474830 2005 SP_{56} 4 18.9 267°.26 0°.4/19.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 15.26	−12 7.6	2.467	3.255	12.3	21.1
3 22	14 10.42	−12 22.0	2.364	3.244	9.6	20.9
4 1	14 3.64	−12 29.5	2.284	3.234	6.5	20.6
4 11	13 55.42	−12 31.2	2.232	3.224	3.1	20.4
4 21	13 46.44	−12 28.7	2.209	3.213	0.7	20.2
5 1	13 37.50	−12 24.6	2.215	3.202	4.3	20.4
5 11	13 29.43	−12 21.9	2.250	3.192	7.8	20.6
5 21	13 22.86	−12 23.3	2.310	3.181	10.9	20.8

8175 Boerhaave 4 18.9 245°.37 4°.8/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.09	+ 1 57.8	2.263	3.085	12.1	17.1
3 22	14 7.94	+ 2 43.9	2.182	3.081	9.5	17.0
4 1	14 1.93	+ 3 30.5	2.125	3.077	6.8	16.8
4 11	13 54.60	+ 4 12.4	2.095	3.072	5.0	16.7
4 21	13 46.66	+ 4 44.7	2.092	3.068	5.4	16.7
5 1	13 38.91	+ 5 3.3	2.117	3.064	7.8	16.8
5 11	13 32.11	+ 5 5.6	2.168	3.060	10.6	17.0
5 21	13 26.84	+ 4 51.4	2.241	3.055	13.2	17.1

503857 1996 VM_{16} 4 18.9 133°.84 0°.8/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.95	−10 18.9	2.457	3.257	12.0	22.7
3 22	14 7.67	− 9 55.7	2.374	3.264	9.2	22.6
4 1	14 1.66	− 9 24.7	2.315	3.270	6.1	22.4
4 11	13 54.45	− 8 48.9	2.283	3.277	2.7	22.2
4 21	13 46.71	− 8 11.6	2.280	3.283	1.3	22.1
5 1	13 39.17	− 7 36.8	2.306	3.289	4.6	22.3
5 11	13 32.54	− 7 8.3	2.360	3.295	7.9	22.5
5 21	13 27.35	− 6 48.8	2.439	3.301	10.7	22.7

266403 2007 EK_{211} 4 18.9 101°.62 5°.9/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.15	+ 1 27.0	1.858	2.688	14.0	20.7
3 22	14 8.97	+ 2 48.7	1.799	2.702	10.9	20.5
4 1	14 2.66	+ 4 11.7	1.764	2.717	7.9	20.4
4 11	13 54.91	+ 5 28.4	1.755	2.731	6.0	20.3
4 21	13 46.61	+ 6 31.6	1.773	2.744	6.7	20.3
5 1	13 38.69	+ 7 15.5	1.817	2.758	9.3	20.5
5 11	13 32.02	+ 7 37.3	1.886	2.771	12.2	20.7
5 21	13 27.17	+ 7 37.2	1.976	2.784	14.9	20.9

380117 1995 SJ_{40} 4 18.9 182°.59 2°.8/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.32	−21 18.8	2.534	3.285	12.9	22.4
3 22	14 11.21	−21 30.7	2.436	3.286	10.5	22.2
4 1	14 4.13	−21 29.8	2.360	3.286	7.7	22.0
4 11	13 55.63	−21 16.0	2.310	3.286	4.7	21.8
4 21	13 46.41	−20 50.5	2.289	3.285	2.8	21.7
5 1	13 37.31	−20 16.5	2.298	3.283	4.4	21.8
5 11	13 29.16	−19 38.2	2.335	3.281	7.3	22.0
5 21	13 22.59	−19 0.4	2.398	3.278	10.2	22.1

18844 1999 RU_{27} 4 18.9 130°.65 3°.7/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.77	−24 12.7	2.709	3.446	12.5	19.0
3 22	14 9.91	−24 41.2	2.616	3.453	10.3	18.8
4 1	14 3.21	−24 57.0	2.546	3.459	7.8	18.7
4 11	13 55.19	−24 59.3	2.502	3.466	5.4	18.5
4 21	13 46.52	−24 48.8	2.486	3.473	3.8	18.4
5 1	13 37.99	−24 27.6	2.499	3.479	4.6	18.5
5 11	13 30.35	−23 59.4	2.541	3.485	6.9	18.6
5 21	13 24.19	−23 28.7	2.608	3.491	9.4	18.8

7191 1993 MA_{1} 4 18.9 311°.43 2°.8/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.20	− 4 46.1	1.760	2.586	14.9	16.6
3 22	14 10.28	− 4 30.8	1.671	2.574	11.6	16.4
4 1	14 3.88	− 4 10.3	1.603	2.563	7.8	16.1
4 11	13 55.62	− 3 48.9	1.560	2.553	4.0	15.9
4 21	13 46.40	− 3 31.1	1.544	2.542	3.4	15.8
5 1	13 37.30	− 3 21.7	1.555	2.532	7.1	16.0
5 11	13 29.41	− 3 24.4	1.591	2.522	11.2	16.2
5 21	13 23.51	− 3 41.1	1.649	2.512	14.9	16.4

205592 2001 TR_{191} 4 18.9 138°.13 1°.9/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.38	−19 7.7	1.524	2.324	18.0	20.5
3 22	14 10.80	−18 46.0	1.444	2.327	14.4	20.2
4 1	14 4.37	−18 3.5	1.383	2.331	10.1	20.0
4 11	13 55.86	−17 2.0	1.345	2.334	5.4	19.7
4 21	13 46.36	−15 46.3	1.334	2.337	2.0	19.5
5 1	13 37.19	−14 24.5	1.348	2.340	5.8	19.8
5 11	13 29.56	−13 6.2	1.388	2.342	10.6	20.0
5 21	13 24.30	−11 59.3	1.451	2.345	14.8	20.3

153141 2000 SP_{203} 4 18.9 267°.36 1°.9/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.45	−21 41.3	4.608	5.348	7.7	20.1
3 22	14 2.78	−21 51.1	4.500	5.343	6.2	20.0
4 1	13 58.14	−21 53.7	4.417	5.337	4.6	19.9
4 11	13 52.81	−21 49.5	4.361	5.332	2.9	19.7
4 21	13 47.14	−21 39.1	4.334	5.327	1.9	19.6
5 1	13 41.52	−21 24.0	4.338	5.322	2.6	19.7
5 11	13 36.32	−21 6.1	4.371	5.316	4.2	19.8
5 21	13 31.86	−20 47.5	4.431	5.311	5.9	19.9

140641 2001 UP_{25} 4 18.9 210°.83 2°.3/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 11.35	−21 35.0	2.670	3.427	12.2	20.9
3 22	14 7.28	−21 23.1	2.567	3.422	9.9	20.8
4 1	14 1.47	−20 57.6	2.486	3.416	7.2	20.6
4 11	13 54.41	−20 19.1	2.432	3.410	4.3	20.4
4 21	13 46.73	−19 29.8	2.406	3.404	2.3	20.2
5 1	13 39.18	−18 33.3	2.410	3.398	4.0	20.3
5 11	13 32.46	−17 34.7	2.442	3.391	6.9	20.5
5 21	13 27.12	−16 38.7	2.500	3.384	9.7	20.7

311591 2006 JY_{35} 4 18.9 214°.47 3°.6/16.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.26	− 4 10.3	1.774	2.596	15.0	21.4
3 22	14 11.78	− 3 27.6	1.689	2.590	11.6	21.2
4 1	14 4.82	− 2 38.3	1.626	2.585	7.9	21.0
4 11	13 56.03	− 1 47.9	1.588	2.579	4.4	20.7
4 21	13 46.32	− 1 2.7	1.578	2.572	4.3	20.7
5 1	13 36.82	− 0 28.7	1.596	2.565	7.8	20.9
5 11	13 28.59	− 0 10.3	1.638	2.557	11.7	21.1
5 21	13 22.38	− 0 9.7	1.703	2.549	15.3	21.3

266385 2007 ET_{124} 4 19.0 37°.08 6°.7/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.47	−24 17.1	1.478	2.252	19.7	19.8
3 22	14 15.06	−25 36.3	1.409	2.266	16.4	19.6
4 1	14 7.41	−26 36.8	1.359	2.280	12.7	19.4
4 11	13 57.31	−27 14.7	1.331	2.295	9.0	19.2
4 21	13 46.00	−27 28.3	1.327	2.311	6.8	19.1
5 1	13 35.04	−27 19.8	1.349	2.327	7.8	19.2
5 11	13 25.88	−26 56.2	1.394	2.344	10.9	19.5
5 21	13 19.46	−26 25.7	1.462	2.361	14.4	19.7

500540 2012 UR_{24} 4 19.0 123°.92 2°.7/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.83	−23 8.0	3.075	3.812	11.2	23.2
3 22	14 8.80	−23 8.9	2.992	3.831	9.1	23.1
4 1	14 2.26	−22 57.8	2.932	3.851	6.7	23.0
4 11	13 54.69	−22 35.0	2.899	3.869	4.3	22.8
4 21	13 46.69	−22 2.2	2.895	3.888	2.7	22.7
5 1	13 38.91	−21 22.3	2.921	3.905	3.7	22.8
5 11	13 31.96	−20 39.0	2.977	3.922	6.0	23.0
5 21	13 26.29	−19 56.2	3.059	3.938	8.3	23.2

369735 2012 EX_{12} 4 19.0 272°.38 2°.9/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.91	−19 19.1	1.804	2.588	16.3	21.0
3 22	14 11.97	−19 32.8	1.693	2.566	13.3	20.8
4 1	14 5.29	−19 31.0	1.603	2.543	9.6	20.5
4 11	13 56.40	−19 12.9	1.537	2.520	5.6	20.2
4 21	13 46.20	−18 40.0	1.497	2.497	2.9	20.0
5 1	13 35.89	−17 56.3	1.484	2.473	5.7	20.1
5 11	13 26.73	−17 8.2	1.497	2.449	10.1	20.3
5 21	13 19.70	−16 23.0	1.534	2.425	14.3	20.5

232129 2002 AN_{141} 4 19.0 225°.76 4°.6/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.72	− 0 5.6	2.230	3.048	12.4	20.9
3 22	14 9.31	+ 0 53.1	2.140	3.038	9.7	20.7
4 1	14 2.92	+ 1 55.0	2.073	3.027	6.9	20.5
4 11	13 55.11	+ 2 54.6	2.034	3.015	4.7	20.3
4 21	13 46.57	+ 3 46.2	2.023	3.003	5.2	20.4
5 1	13 38.17	+ 4 24.6	2.041	2.990	7.8	20.5
5 11	13 30.72	+ 4 46.3	2.084	2.977	10.9	20.6
5 21	13 24.85	+ 4 49.9	2.150	2.963	13.7	20.8

95165 2002 AH_{180} 4 19.0 304°.81 2°.5/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.09	−19 0.9	1.722	2.517	16.5	19.9
3 22	14 8.89	−19 3.0	1.626	2.506	13.3	19.6
4 1	14 3.11	−18 48.0	1.550	2.495	9.5	19.4
4 11	13 55.34	−18 16.4	1.498	2.484	5.4	19.1
4 21	13 46.50	−17 31.0	1.472	2.474	2.5	18.9
5 1	13 37.76	−16 36.9	1.473	2.464	5.5	19.0
5 11	13 30.27	−15 41.5	1.499	2.454	9.8	19.3
5 21	13 24.87	−14 51.8	1.547	2.444	13.9	19.5

124385 2001 QC_{174} 4 19.0 149°.75 0°.4/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.63	−15 7.2	2.035	2.829	14.3	20.0
3 22	14 9.40	−14 38.4	1.951	2.835	11.2	19.8
4 1	14 3.04	−13 56.1	1.889	2.840	7.6	19.6
4 11	13 55.16	−13 3.1	1.854	2.845	3.6	19.4
4 21	13 46.59	−12 3.7	1.846	2.850	0.8	19.1
5 1	13 38.27	−11 3.5	1.867	2.855	4.9	19.4
5 11	13 31.10	−10 8.6	1.915	2.859	8.8	19.7
5 21	13 25.70	− 9 23.7	1.987	2.863	12.2	19.9

272986 2006 DK_{28} 4 19.0 95°.32 2°.2/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.77	− 7 56.6	1.935	2.754	14.0	20.8
3 22	14 8.00	− 7 11.2	1.858	2.759	10.8	20.6
4 1	14 2.11	− 6 16.9	1.803	2.764	7.1	20.4
4 11	13 54.73	− 5 18.5	1.775	2.769	3.4	20.2
4 21	13 46.69	− 4 21.7	1.774	2.773	2.8	20.2
5 1	13 38.92	− 3 32.3	1.801	2.778	6.3	20.4
5 11	13 32.29	− 2 55.2	1.854	2.783	10.0	20.6
5 21	13 27.41	− 2 33.3	1.930	2.788	13.3	20.8

480359 2015 KS_{22} 4 19.0 300°.91 6°.6/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 7.97	+ 4 9.3	2.108	2.943	12.4	20.7
3 22	14 5.06	+ 5 46.5	2.019	2.922	10.0	20.5
4 1	14 0.21	+ 7 26.4	1.954	2.901	7.7	20.3
4 11	13 53.92	+ 9 1.2	1.915	2.880	6.6	20.2
4 21	13 46.88	+10 23.0	1.903	2.859	7.7	20.2
5 1	13 39.93	+11 25.2	1.918	2.838	10.1	20.3
5 11	13 33.88	+12 3.6	1.956	2.817	12.9	20.5
5 21	13 29.37	+12 17.2	2.014	2.797	15.5	20.6

16676 Tinne 4 19.0 227°.82 1°.7/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.92	−18 8.9	2.283	3.057	13.6	19.5
3 22	14 10.40	−18 3.9	2.177	3.045	10.9	19.3
4 1	14 3.77	−17 45.8	2.093	3.034	7.7	19.1
4 11	13 55.54	−17 15.2	2.036	3.021	4.2	18.8
4 21	13 46.48	−16 34.5	2.006	3.008	1.7	18.6
5 1	13 37.47	−15 47.7	2.006	2.995	4.5	18.8
5 11	13 29.43	−15 0.2	2.034	2.981	8.2	19.0
5 21	13 23.05	−14 17.0	2.087	2.966	11.6	19.2

209554 2004 VE_{74} 4 19.0 172°.10 2°.6/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.97	− 6 56.9	1.842	2.655	14.8	21.2
3 22	14 12.16	− 6 15.2	1.761	2.659	11.5	21.0
4 1	14 4.97	− 5 25.1	1.703	2.662	7.6	20.7
4 11	13 56.07	− 4 31.5	1.671	2.664	3.8	20.5
4 21	13 46.38	− 3 40.0	1.667	2.665	3.2	20.5
5 1	13 36.96	− 2 56.8	1.692	2.666	6.9	20.7
5 11	13 28.82	− 2 26.7	1.742	2.667	10.8	20.9
5 21	13 22.67	− 2 12.4	1.815	2.666	14.3	21.1

286305 2001 WS_{20} 4 19.0 163°.32 1°.5/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.30	− 9 56.5	1.907	2.712	14.7	22.1
3 22	14 12.33	− 9 15.7	1.826	2.719	11.4	21.9
4 1	14 5.03	− 8 24.2	1.768	2.725	7.5	21.7
4 11	13 56.08	− 7 26.3	1.736	2.730	3.4	21.4
4 21	13 46.38	− 6 27.3	1.733	2.735	2.2	21.3
5 1	13 36.98	− 5 33.5	1.758	2.738	6.1	21.6
5 11	13 28.85	− 4 50.4	1.810	2.741	10.1	21.8
5 21	13 22.66	− 4 21.5	1.886	2.743	13.6	22.1

474956 2005 TH_{26} 4 19.0 231°.15 0°.3/18.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.70	−11 58.9	2.860	3.650	10.7	22.7
3 22	14 6.60	−11 37.2	2.756	3.640	8.3	22.5
4 1	14 0.95	−11 7.6	2.677	3.630	5.6	22.3
4 11	13 54.18	−10 32.2	2.625	3.619	2.5	22.1
4 21	13 46.85	− 9 53.7	2.603	3.607	0.8	21.9
5 1	13 39.60	− 9 15.7	2.611	3.595	4.0	22.1
5 11	13 33.06	− 8 41.8	2.647	3.583	7.0	22.3
5 21	13 27.73	− 8 14.9	2.709	3.571	9.8	22.5

323116 2003 AP_{23} 4 19.0 143°.60 0°.4/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.64	−14 10.5	1.955	2.750	14.8	21.0
3 22	14 11.05	−13 55.6	1.873	2.758	11.6	20.8
4 1	14 4.18	−13 28.4	1.813	2.765	7.8	20.6
4 11	13 55.70	−12 51.2	1.779	2.771	3.7	20.3
4 21	13 46.48	−12 8.0	1.773	2.778	0.8	20.1
5 1	13 37.52	−11 23.6	1.795	2.783	5.1	20.4
5 11	13 29.79	−10 43.9	1.845	2.789	9.1	20.7
5 21	13 23.94	−10 13.0	1.918	2.794	12.6	20.9

256407 2007 AV_{18} 4 19.0 121°.72 3°.2/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.70	− 3 55.1	1.989	2.803	13.9	20.9
3 22	14 11.62	− 3 20.2	1.920	2.817	10.7	20.7
4 1	14 4.42	− 2 41.0	1.874	2.831	7.1	20.5
4 11	13 55.75	− 2 2.2	1.855	2.844	3.9	20.4
4 21	13 46.48	− 1 28.5	1.864	2.857	3.7	20.4
5 1	13 37.58	− 1 4.7	1.901	2.870	6.8	20.6
5 11	13 29.90	− 0 53.8	1.964	2.882	10.2	20.8
5 21	13 24.04	− 0 57.2	2.051	2.893	13.2	21.0

161486 2004 HE_{52} 4 19.0 297°.89 0°.1/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.16	−12 39.3	2.154	2.957	13.3	20.7
3 22	14 7.53	−12 26.5	2.055	2.945	10.5	20.5
4 1	14 1.87	−12 3.5	1.979	2.933	7.0	20.2
4 11	13 54.69	−11 32.5	1.928	2.922	3.2	20.0
4 21	13 46.73	−10 56.7	1.906	2.910	0.8	19.8
5 1	13 38.85	−10 20.6	1.911	2.898	4.9	20.0
5 11	13 31.92	− 9 49.0	1.943	2.887	8.7	20.2
5 21	13 26.61	− 9 25.7	1.999	2.876	12.1	20.4

12553 Aaronritter 4 19.0 42°.25 3°.1/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.77	− 7 17.6	1.258	2.100	18.7	17.5
3 22	14 11.43	− 6 38.6	1.191	2.104	14.5	17.2
4 1	14 4.96	− 5 48.4	1.144	2.109	9.6	16.9
4 11	13 56.19	− 4 53.4	1.119	2.113	4.7	16.7
4 21	13 46.37	− 4 1.5	1.119	2.118	3.9	16.6
5 1	13 36.97	− 3 20.9	1.143	2.123	8.5	16.9
5 11	13 29.35	− 2 57.9	1.190	2.129	13.4	17.2
5 21	13 24.35	− 2 55.3	1.257	2.135	17.7	17.5

385183 2013 XH 4 19.0 228°.43 1°.0/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 15.39	− 9 38.9	2.385	3.182	12.4	21.5
3 22	14 10.58	− 9 17.3	2.281	3.168	9.7	21.3
4 1	14 3.80	− 8 47.7	2.200	3.155	6.4	21.1
4 11	13 55.54	− 8 12.8	2.147	3.140	2.9	20.8
4 21	13 46.52	− 7 36.0	2.122	3.125	1.5	20.7
5 1	13 37.55	− 7 1.6	2.128	3.109	5.1	20.9
5 11	13 29.48	− 6 33.6	2.161	3.092	8.7	21.1
5 21	13 22.93	− 6 15.3	2.219	3.075	11.9	21.3

502682 2015 CT_{57} 4 19.0 62°.70 1°.1/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.65	−15 22.9	1.940	2.736	14.8	21.5
3 22	14 9.59	−15 22.1	1.857	2.741	11.7	21.2
4 1	14 3.27	−15 9.0	1.795	2.745	8.0	21.0
4 11	13 55.32	−14 45.2	1.759	2.749	4.0	20.8
4 21	13 46.59	−14 13.5	1.750	2.754	1.2	20.6
5 1	13 38.09	−13 38.6	1.768	2.758	4.9	20.9
5 11	13 30.77	−13 5.7	1.813	2.762	8.8	21.1
5 21	13 25.31	−12 39.4	1.882	2.767	12.4	21.3

165337 2000 VX_{16} 4 19.0 206°.33 1°.0/18.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.53	−12 13.5	1.855	2.662	15.0	20.8
3 22	14 10.40	−11 26.6	1.764	2.658	11.7	20.6
4 1	14 3.89	−10 25.7	1.696	2.653	7.8	20.3
4 11	13 55.63	− 9 14.8	1.653	2.647	3.5	20.0
4 21	13 46.51	− 7 59.7	1.638	2.641	1.7	19.9
5 1	13 37.57	− 6 47.7	1.651	2.634	6.1	20.2
5 11	13 29.85	− 5 45.6	1.691	2.627	10.3	20.4
5 21	13 24.06	− 4 58.5	1.754	2.619	14.1	20.6

242746 2005 VS_{41} 4 19.0 233°.98 4°.7/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.03	+ 3 35.0	2.680	3.497	10.6	20.3
3 22	14 6.87	+ 4 22.2	2.595	3.489	8.4	20.2
4 1	14 1.12	+ 5 9.0	2.535	3.481	6.2	20.0
4 11	13 54.26	+ 5 50.8	2.502	3.473	4.8	19.9
4 21	13 46.86	+ 6 23.4	2.497	3.465	5.2	19.9
5 1	13 39.60	+ 6 43.1	2.520	3.457	7.2	20.0
5 11	13 33.13	+ 6 48.0	2.570	3.448	9.6	20.2
5 21	13 27.93	+ 6 37.4	2.642	3.439	11.9	20.3

389259 2009 FG_{55} 4 19.0 336°.54 3°.3/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.55	− 5 11.9	2.067	2.893	12.9	20.8
3 22	14 5.43	− 4 10.9	1.984	2.889	10.0	20.6
4 1	14 0.39	− 3 2.6	1.925	2.886	6.7	20.4
4 11	13 53.98	− 1 52.4	1.892	2.882	3.8	20.2
4 21	13 46.93	− 0 46.5	1.887	2.879	3.9	20.2
5 1	13 40.06	+ 0 9.3	1.909	2.876	6.9	20.4
5 11	13 34.18	+ 0 50.1	1.957	2.873	10.3	20.6
5 21	13 29.86	+ 1 13.7	2.028	2.871	13.3	20.8

471594 2012 RM_{39} 4 19.0 285°.43 6°.0/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.18	+ 3 4.0	1.981	2.810	13.3	20.9
3 22	14 8.44	+ 4 4.1	1.891	2.792	10.6	20.7
4 1	14 2.53	+ 5 5.4	1.824	2.775	7.8	20.5
4 11	13 55.01	+ 6 1.3	1.783	2.757	6.1	20.3
4 21	13 46.66	+ 6 45.3	1.769	2.740	6.8	20.3
5 1	13 38.41	+ 7 11.6	1.781	2.722	9.4	20.4
5 11	13 31.19	+ 7 17.1	1.817	2.704	12.5	20.6
5 21	13 25.69	+ 7 1.3	1.875	2.687	15.5	20.8

491757 2012 VH_{86} 4 19.0 93°.79 1°.5/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.94	−18 43.8	2.327	3.105	13.2	21.2
3 22	14 7.07	−18 23.3	2.244	3.115	10.5	21.0
4 1	14 1.36	−17 48.9	2.184	3.126	7.3	20.8
4 11	13 54.38	−17 2.7	2.150	3.136	3.9	20.6
4 21	13 46.84	−16 7.8	2.144	3.146	1.5	20.4
5 1	13 39.54	−15 9.0	2.166	3.156	4.1	20.6
5 11	13 33.23	−14 11.7	2.217	3.166	7.5	20.9
5 21	13 28.46	−13 20.6	2.293	3.176	10.5	21.1

376402 2012 FZ_{53} 4 19.0 261°.98 3°.3/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.55	−20 34.3	1.833	2.611	16.2	21.2
3 22	14 11.57	−20 50.5	1.730	2.597	13.3	20.9
4 1	14 4.93	−20 50.5	1.647	2.583	9.7	20.7
4 11	13 56.22	−20 33.7	1.588	2.569	5.9	20.4
4 21	13 46.34	−20 1.4	1.556	2.554	3.3	20.2
5 1	13 36.47	−19 17.4	1.551	2.539	5.6	20.3
5 11	13 27.81	−18 28.4	1.572	2.524	9.7	20.5
5 21	13 21.24	−17 41.4	1.616	2.509	13.6	20.7

181111 2005 QJ_{88} 4 19.0 259°.11 0°.1/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.22	−11 49.3	1.979	2.777	14.5	20.2
3 22	14 12.59	−11 46.0	1.869	2.756	11.5	20.0
4 1	14 5.49	−11 32.8	1.782	2.735	7.8	19.7
4 11	13 56.45	−11 11.6	1.720	2.713	3.6	19.4
4 21	13 46.29	−10 45.2	1.687	2.691	1.0	19.1
5 1	13 36.07	−10 18.0	1.681	2.668	5.5	19.4
5 11	13 26.90	− 9 54.9	1.703	2.645	9.9	19.6
5 21	13 19.62	− 9 40.3	1.749	2.621	13.8	19.8

55112 Mariangela 4 19.0 221°.92 0°.1/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 14.08	−11 32.4	2.491	3.283	12.1	19.0
3 22	14 9.45	−11 28.7	2.393	3.277	9.4	18.8
4 1	14 2.97	−11 17.3	2.318	3.270	6.3	18.6
4 11	13 55.15	−11 0.2	2.271	3.263	2.9	18.3
4 21	13 46.64	−10 39.7	2.252	3.256	0.8	18.2
5 1	13 38.24	−10 19.2	2.263	3.249	4.4	18.4
5 11	13 30.70	−10 2.1	2.302	3.241	7.8	18.6
5 21	13 24.62	− 9 51.5	2.367	3.234	10.8	18.8

456024 2005 YN_{93} 4 19.0 179°.50 3°.0/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.24	− 5 11.3	1.983	2.790	14.1	22.0
3 22	14 13.77	− 4 30.8	1.899	2.793	11.0	21.8
4 1	14 5.99	− 3 43.8	1.838	2.794	7.3	21.6
4 11	13 56.54	− 2 55.1	1.804	2.795	3.9	21.4
4 21	13 46.32	− 2 10.1	1.799	2.795	3.6	21.3
5 1	13 36.35	− 1 34.1	1.823	2.793	6.9	21.5
5 11	13 27.60	− 1 11.3	1.874	2.791	10.6	21.8
5 21	13 20.76	− 1 3.9	1.948	2.788	13.9	22.0

51933 2001 QD_{133} 4 19.0 43°.50 0°.4/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.51	−16 13.9	2.088	2.885	13.9	19.0
3 22	14 6.21	−15 32.1	2.002	2.887	10.9	18.8
4 1	14 0.92	−14 35.4	1.938	2.890	7.4	18.6
4 11	13 54.23	−13 27.0	1.900	2.892	3.5	18.3
4 21	13 46.91	−12 11.7	1.891	2.895	0.8	18.1
5 1	13 39.80	−10 55.6	1.909	2.898	4.7	18.4
5 11	13 33.75	− 9 45.4	1.955	2.901	8.5	18.7
5 21	13 29.32	− 8 46.2	2.025	2.904	11.9	18.9

144783 2004 HO_{30} 4 19.0 294°.54 0°.5/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.77	−16 15.4	2.182	2.977	13.4	19.8
3 22	14 5.71	−15 36.6	2.076	2.960	10.6	19.6
4 1	14 0.68	−14 42.8	1.992	2.943	7.3	19.4
4 11	13 54.17	−13 36.4	1.935	2.926	3.5	19.1
4 21	13 46.91	−12 21.6	1.905	2.910	0.8	18.8
5 1	13 39.72	−11 4.4	1.904	2.893	4.7	19.1
5 11	13 33.45	− 9 51.5	1.930	2.876	8.6	19.3
5 21	13 28.74	− 8 48.3	1.981	2.860	12.1	19.5

435433 2008 CY_{123} 4 19.0 103°.83 4°.5/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.46	+ 0 20.6	2.384	3.208	11.5	20.9
3 22	14 5.78	+ 1 28.3	2.313	3.215	8.9	20.8
4 1	14 0.43	+ 2 38.0	2.267	3.221	6.3	20.6
4 11	13 53.95	+ 3 44.3	2.248	3.227	4.6	20.5
4 21	13 46.99	+ 4 41.7	2.257	3.233	5.1	20.5
5 1	13 40.25	+ 5 25.6	2.294	3.239	7.4	20.7
5 11	13 34.40	+ 5 53.1	2.357	3.245	10.0	20.9
5 21	13 29.94	+ 6 3.2	2.442	3.251	12.4	21.0

363487 2003 SF_{394} 4 19.0 328°.08 5°.1/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.31	− 2 39.3	1.170	2.027	18.7	20.2
3 22	14 9.29	− 2 8.1	1.087	2.008	14.8	19.9
4 1	14 3.95	− 1 30.5	1.023	1.989	10.2	19.6
4 11	13 55.96	− 0 53.8	0.980	1.972	6.0	19.3
4 21	13 46.46	− 0 26.2	0.960	1.955	6.0	19.2
5 1	13 37.02	− 0 16.0	0.963	1.940	10.4	19.4
5 11	13 29.22	− 0 28.4	0.987	1.926	15.5	19.6
5 21	13 24.18	− 1 4.6	1.029	1.913	20.2	19.9

122907 2000 SC_{166} 4 19.0 228°.18 2°.1/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.67	−20 9.6	2.266	3.035	13.8	21.0
3 22	14 9.47	−19 56.5	2.161	3.025	11.1	20.8
4 1	14 3.18	−19 28.1	2.077	3.014	8.0	20.5
4 11	13 55.32	−18 45.2	2.020	3.002	4.5	20.3
4 21	13 46.65	−17 50.4	1.990	2.990	2.1	20.1
5 1	13 38.06	−16 48.1	1.989	2.978	4.5	20.3
5 11	13 30.46	−15 44.5	2.016	2.965	8.1	20.4
5 21	13 24.51	−14 45.4	2.068	2.951	11.5	20.6

56419 2000 FM_{59} 4 19.0 150°.79 4°.5/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.35	− 4 16.5	1.506	2.340	16.6	19.6
3 22	14 11.37	− 3 9.9	1.436	2.344	12.8	19.4
4 1	14 4.68	− 1 54.8	1.386	2.348	8.7	19.2
4 11	13 56.03	− 0 38.9	1.362	2.351	5.1	19.0
4 21	13 46.49	+ 0 29.3	1.363	2.354	5.3	19.0
5 1	13 37.33	+ 1 21.9	1.391	2.357	9.0	19.2
5 11	13 29.67	+ 1 53.3	1.442	2.360	13.1	19.4
5 21	13 24.29	+ 2 1.9	1.514	2.362	16.8	19.7

468644 2008 TX_{78} 4 19.0 289°.41 1°.4/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.51	−10 41.4	1.839	2.656	14.7	21.6
3 22	14 8.30	−10 1.5	1.731	2.630	11.5	21.3
4 1	14 2.69	− 9 8.4	1.645	2.605	7.7	21.0
4 11	13 55.21	− 8 5.8	1.585	2.579	3.5	20.7
4 21	13 46.66	− 6 59.0	1.551	2.553	2.1	20.5
5 1	13 38.09	− 5 55.1	1.545	2.527	6.5	20.8
5 11	13 30.56	− 5 1.1	1.564	2.501	10.9	20.9
5 21	13 24.90	− 4 22.1	1.606	2.475	14.9	21.1

285255 1998 HQ_2 4 19.0 261°.77 1°.0/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 13.43	− 8 43.6	2.324	3.127	12.4	20.5
3 22	14 9.05	− 8 36.6	2.232	3.124	9.7	20.3
4 1	14 2.75	− 8 23.4	2.164	3.120	6.4	20.1
4 11	13 55.08	− 8 6.4	2.123	3.116	2.9	19.9
4 21	13 46.73	− 7 48.5	2.110	3.113	1.5	19.8
5 1	13 38.52	− 7 33.3	2.126	3.109	4.9	20.0
5 11	13 31.24	− 7 24.0	2.169	3.105	8.4	20.2
5 21	13 25.48	− 7 23.1	2.238	3.101	11.5	20.4

292105 2006 RD_{53} 4 19.0 308°.70 0°.5/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.24	−12 32.7	1.426	2.255	17.6	21.2
3 22	14 8.75	−12 11.1	1.332	2.236	13.9	20.9
4 1	14 3.34	−11 33.6	1.257	2.218	9.4	20.6
4 11	13 55.61	−10 43.2	1.205	2.200	4.3	20.2
4 21	13 46.57	− 9 45.5	1.178	2.182	1.4	19.9
5 1	13 37.56	− 8 48.2	1.176	2.165	6.9	20.2
5 11	13 29.93	− 7 59.7	1.198	2.149	12.2	20.5
5 21	13 24.69	− 7 26.6	1.240	2.132	16.9	20.7

214708 2006 ST_{387} 4 19.0 78°.28 3°.9/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.63	− 2 3.4	2.244	3.068	12.1	20.2
3 22	14 6.07	− 1 1.4	2.167	3.071	9.4	20.0
4 1	14 0.72	+ 0 4.5	2.115	3.073	6.4	19.9
4 11	13 54.13	+ 1 9.1	2.090	3.075	4.2	19.7
4 21	13 46.98	+ 2 6.7	2.093	3.077	4.6	19.7
5 1	13 40.06	+ 2 52.2	2.124	3.080	7.1	19.9
5 11	13 34.07	+ 3 22.2	2.180	3.082	10.1	20.1
5 21	13 29.55	+ 3 35.2	2.259	3.084	12.7	20.3

69662 1998 FR_{118} 4 19.0 29°.54 3°.1/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.60	−18 55.2	1.185	2.007	20.8	18.4
3 22	14 10.05	−19 8.8	1.123	2.018	16.7	18.2
4 1	14 4.20	−19 0.6	1.078	2.029	11.9	17.9
4 11	13 55.92	−18 31.4	1.054	2.041	6.6	17.7
4 21	13 46.54	−17 45.3	1.053	2.055	3.1	17.5
5 1	13 37.66	−16 50.0	1.076	2.069	6.6	17.7
5 11	13 30.70	−15 55.3	1.122	2.084	11.5	18.1
5 21	13 26.51	−15 9.6	1.188	2.099	16.0	18.4

109789 2001 RX_{89} 4 19.0 80°.18 2°.1/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.15	− 8 2.0	1.710	2.530	15.5	19.4
3 22	14 10.76	− 7 26.1	1.647	2.548	11.9	19.2
4 1	14 4.01	− 6 41.4	1.605	2.565	7.8	19.0
4 11	13 55.64	− 5 53.0	1.589	2.583	3.7	18.8
4 21	13 46.63	− 5 6.5	1.601	2.601	2.7	18.8
5 1	13 38.06	− 4 27.7	1.639	2.618	6.6	19.1
5 11	13 30.88	− 4 1.3	1.703	2.636	10.5	19.3
5 21	13 25.73	− 3 49.8	1.790	2.653	13.9	19.6

295493 2008 RL_{23} 4 19.0 200°.01 2°.3/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.08	−18 26.7	1.901	2.676	15.9	21.3
3 22	14 14.87	−18 34.1	1.804	2.672	12.8	21.1
4 1	14 7.02	−18 26.6	1.728	2.667	9.1	20.8
4 11	13 57.16	−18 4.5	1.677	2.662	5.1	20.6
4 21	13 46.23	−17 29.7	1.654	2.655	2.3	20.4
5 1	13 35.43	−16 46.6	1.659	2.648	5.3	20.6
5 11	13 25.90	−16 1.5	1.692	2.640	9.5	20.8
5 21	13 18.49	−15 20.7	1.749	2.631	13.3	21.0

514097 2014 XW_{20} 4 19.0 269°.84 0°.9/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 4.22	−17 41.5	4.486	5.250	7.5	21.4
3 22	14 1.11	−17 28.8	4.382	5.246	5.9	21.3
4 1	13 57.07	−17 9.3	4.304	5.242	4.1	21.1
4 11	13 52.40	−16 44.1	4.253	5.238	2.2	21.0
4 21	13 47.43	−16 14.6	4.231	5.234	0.9	20.9
5 1	13 42.53	−15 42.7	4.241	5.229	2.4	21.0
5 11	13 38.06	−15 10.8	4.279	5.225	4.3	21.1
5 21	13 34.30	−14 40.8	4.344	5.221	6.1	21.3

145822 1998 TW_{18} 4 19.0 200°.94 0°.2/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.38	−13 38.6	2.150	2.944	13.7	21.0
3 22	14 9.98	−13 3.2	2.055	2.940	10.7	20.8
4 1	14 3.48	−12 15.1	1.983	2.935	7.2	20.6
4 11	13 55.45	−11 17.4	1.937	2.930	3.2	20.3
4 21	13 46.68	−10 14.3	1.920	2.925	0.9	20.1
5 1	13 38.06	− 9 11.6	1.932	2.918	5.1	20.4
5 11	13 30.49	− 8 15.1	1.972	2.911	8.9	20.6
5 21	13 24.61	− 7 29.5	2.037	2.903	12.3	20.8

498004 2007 EP_{84} 4 19.0 244°.54 3°.0/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.22	− 5 42.7	1.859	2.682	14.3	21.7
3 22	14 9.33	− 5 2.1	1.775	2.678	11.1	21.5
4 1	14 3.16	− 4 14.3	1.714	2.674	7.4	21.2
4 11	13 55.33	− 3 24.0	1.678	2.670	3.9	21.0
4 21	13 46.71	− 2 37.1	1.670	2.666	3.6	21.0
5 1	13 38.29	− 1 59.3	1.689	2.662	7.0	21.2
5 11	13 31.03	− 1 35.1	1.733	2.658	10.9	21.4
5 21	13 25.62	− 1 27.1	1.800	2.654	14.3	21.6

423541 2005 UL_{230} 4 19.0 84°.63 3°.1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 17.46	− 3 47.0	1.784	2.603	15.0	20.7
3 22	14 12.52	− 3 29.7	1.715	2.615	11.6	20.5
4 1	14 5.19	− 3 8.6	1.668	2.626	7.8	20.3
4 11	13 56.21	− 2 48.1	1.647	2.638	4.1	20.1
4 21	13 46.51	− 2 32.7	1.653	2.650	3.6	20.1
5 1	13 37.20	− 2 26.4	1.687	2.661	7.0	20.3
5 11	13 29.25	− 2 32.3	1.747	2.673	10.7	20.5
5 21	13 23.32	− 2 51.2	1.829	2.684	14.1	20.8

18669 Lalitpatel 4 19.0 317°.41 1°.6/17.5 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.81	− 8 48.7	2.023	2.842	13.5	18.8
3 22	14 6.59	− 8 18.0	1.929	2.830	10.5	18.6
4 1	14 1.31	− 7 38.3	1.858	2.818	6.9	18.3
4 11	13 54.50	− 6 53.3	1.812	2.807	3.2	18.1
4 21	13 46.91	− 6 7.6	1.794	2.796	2.2	18.0
5 1	13 39.44	− 5 26.6	1.804	2.785	5.9	18.2
5 11	13 32.95	− 4 55.2	1.839	2.774	9.7	18.4
5 21	13 28.11	− 4 36.6	1.897	2.764	13.1	18.6

287199 2002 SR_{23} 4 19.0 181°.47 1°.3/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.91	−10 15.9	2.164	2.965	13.3	22.2
3 22	14 10.29	− 9 35.8	2.076	2.967	10.3	22.0
4 1	14 3.62	− 8 45.8	2.011	2.967	6.8	21.8
4 11	13 55.50	− 7 49.5	1.973	2.967	3.1	21.5
4 21	13 46.68	− 6 51.6	1.964	2.966	1.8	21.5
5 1	13 38.07	− 5 57.7	1.985	2.965	5.5	21.7
5 11	13 30.52	− 5 12.9	2.032	2.963	9.2	21.9
5 21	13 24.64	− 4 40.6	2.104	2.960	12.4	22.1

330065 2005 VQ_5 4 19.0 300°.24 3°.7/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.48	− 1 44.5	1.718	2.540	15.4	20.0
3 22	14 13.64	− 1 37.1	1.634	2.534	12.0	19.8
4 1	14 6.18	− 1 28.0	1.571	2.529	8.2	19.6
4 11	13 56.76	− 1 21.6	1.534	2.523	4.6	19.3
4 21	13 46.37	− 1 22.4	1.523	2.518	4.3	19.3
5 1	13 36.17	− 1 34.1	1.540	2.513	7.7	19.5
5 11	13 27.31	− 1 59.2	1.583	2.507	11.7	19.7
5 21	13 20.59	− 2 38.0	1.647	2.502	15.3	19.9

22110 2000 QR_7 4 19.0 186°.62 2°.1/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.27	−20 53.5	2.657	3.412	12.3	19.3
3 22	14 9.53	−20 40.2	2.557	3.412	10.0	19.1
4 1	14 3.00	−20 13.3	2.480	3.411	7.2	19.0
4 11	13 55.19	−19 33.8	2.429	3.409	4.2	18.8
4 21	13 46.76	−18 43.9	2.407	3.406	2.1	18.6
5 1	13 38.48	−17 47.5	2.415	3.403	4.0	18.7
5 11	13 31.08	−16 49.4	2.453	3.399	7.0	18.9
5 21	13 25.12	−15 54.5	2.516	3.395	9.9	19.1

328329 2008 JC_{28} 4 19.0 70°.12 0°.5/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.75	−17 42.2	1.706	2.509	16.3	20.1
3 22	14 7.63	−16 44.3	1.624	2.512	12.8	19.9
4 1	14 2.11	−15 26.2	1.564	2.516	8.7	19.7
4 11	13 54.87	−13 51.7	1.528	2.520	4.1	19.4
4 21	13 46.86	−12 7.7	1.520	2.525	0.9	19.2
5 1	13 39.16	−10 23.3	1.539	2.529	5.6	19.5
5 11	13 32.77	− 8 47.8	1.585	2.533	10.0	19.8
5 21	13 28.38	− 7 28.2	1.654	2.537	13.9	20.0

68040 2000 YW_{41} 4 19.0 237°.79 3°.4/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.61	− 5 6.4	1.817	2.637	14.7	19.9
3 22	14 11.36	− 4 19.1	1.724	2.625	11.5	19.7
4 1	14 4.65	− 3 23.7	1.654	2.613	7.7	19.4
4 11	13 56.08	− 2 25.5	1.609	2.600	4.2	19.2
4 21	13 46.54	− 1 31.0	1.591	2.586	4.1	19.1
5 1	13 37.12	− 0 46.7	1.601	2.571	7.7	19.3
5 11	13 28.87	− 0 17.7	1.637	2.557	11.7	19.5
5 21	13 22.59	− 0 6.9	1.694	2.541	15.3	19.7

463439 2013 MQ_5 4 19.0 293°.68 1°.5/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.79	−16 51.4	1.577	2.384	17.2	21.4
3 22	14 9.87	−16 45.0	1.471	2.360	13.9	21.1
4 1	14 4.09	−16 21.2	1.385	2.336	9.8	20.8
4 11	13 56.00	−15 40.5	1.322	2.313	5.1	20.5
4 21	13 46.53	−14 46.3	1.285	2.289	1.6	20.2
5 1	13 36.98	−13 44.7	1.273	2.265	6.1	20.4
5 11	13 28.68	−12 44.3	1.287	2.241	11.2	20.6
5 21	13 22.66	−11 52.8	1.322	2.217	15.8	20.8

187655 2007 EZ_{103} 4 19.0 249°.52 2°.2/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.03	− 0 53.9	4.635	5.446	6.5	20.5
3 22	14 0.13	− 0 10.0	4.544	5.440	5.0	20.4
4 1	13 56.39	+ 0 35.3	4.481	5.434	3.5	20.3
4 11	13 52.10	+ 1 19.5	4.446	5.428	2.3	20.2
4 21	13 47.55	+ 2 0.3	4.441	5.421	2.6	20.2
5 1	13 43.07	+ 2 35.5	4.466	5.415	3.9	20.3
5 11	13 38.97	+ 3 3.4	4.518	5.409	5.5	20.4
5 21	13 35.52	+ 3 22.9	4.596	5.402	7.0	20.5

239491 2007 UE_{128} 4 19.0 246°.28 4°.4/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 10.41	− 0 58.3	2.269	3.092	12.1	20.5
3 22	14 6.75	+ 0 9.4	2.182	3.084	9.4	20.3
4 1	14 1.25	+ 1 21.2	2.119	3.074	6.6	20.1
4 11	13 54.44	+ 2 31.5	2.083	3.065	4.5	19.9
4 21	13 46.98	+ 3 34.4	2.075	3.055	5.1	19.9
5 1	13 39.67	+ 4 24.5	2.096	3.046	7.6	20.1
5 11	13 33.25	+ 4 57.8	2.141	3.036	10.6	20.2
5 21	13 28.30	+ 5 12.8	2.209	3.025	13.3	20.4

499004 2009 CU_{29} 4 19.0 355°.80 4°.4/16.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.02	− 4 54.7	1.298	2.146	17.9	21.1
3 22	14 9.28	− 4 1.0	1.227	2.144	13.9	20.8
4 1	14 3.56	− 2 57.7	1.177	2.142	9.3	20.5
4 11	13 55.65	− 1 52.4	1.149	2.141	5.2	20.3
4 21	13 46.69	− 0 54.1	1.145	2.140	5.2	20.3
5 1	13 38.05	− 0 11.2	1.166	2.140	9.4	20.5
5 11	13 31.03	+ 0 10.4	1.210	2.141	14.0	20.8
5 21	13 26.47	+ 0 8.6	1.272	2.142	18.0	21.0

336327 2008 TZ_{78} 4 19.0 290°.28 1°.3/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.64	−10 53.7	1.830	2.646	14.8	21.8
3 22	14 8.44	−10 16.1	1.722	2.620	11.6	21.5
4 1	14 2.83	− 9 25.2	1.636	2.595	7.8	21.2
4 11	13 55.32	− 8 24.7	1.575	2.569	3.5	20.9
4 21	13 46.74	− 7 19.7	1.541	2.543	2.0	20.7
5 1	13 38.13	− 6 17.2	1.534	2.518	6.4	20.9
5 11	13 30.56	− 5 24.2	1.553	2.492	10.9	21.1
5 21	13 24.88	− 4 45.9	1.595	2.466	14.9	21.3

297611 2001 SN_{319} 4 19.0 283°.64 1°.1/19.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.08	−13 28.7	1.411	2.226	18.4	21.4
3 22	14 14.31	−13 49.4	1.316	2.210	14.8	21.1
4 1	14 7.25	−13 58.0	1.240	2.195	10.2	20.8
4 11	13 57.51	−13 55.0	1.187	2.179	5.1	20.5
4 21	13 46.19	−13 42.5	1.158	2.163	1.4	20.2
5 1	13 34.81	−13 25.2	1.156	2.147	6.7	20.5
5 11	13 24.93	−13 9.3	1.178	2.131	12.1	20.7
5 21	13 17.71	−13 0.8	1.221	2.115	16.9	21.0

75621 2000 AG_{43} 4 19.0 137°.20 8°.4/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.13	+ 9 13.1	1.838	2.662	14.4	19.3
3 22	14 11.41	+10 35.2	1.780	2.670	11.8	19.1
4 1	14 4.42	+11 52.0	1.745	2.678	9.5	19.0
4 11	13 55.86	+12 54.9	1.736	2.686	8.4	18.9
4 21	13 46.67	+13 37.0	1.752	2.693	9.3	19.0
5 1	13 37.87	+13 53.6	1.793	2.700	11.4	19.1
5 11	13 30.39	+13 43.9	1.857	2.707	14.0	19.3
5 21	13 24.86	+13 10.0	1.941	2.713	16.4	19.5

352549 2008 CF_{202} 4 19.0 178°.79 3°.4/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.05	−23 7.8	2.517	3.267	13.0	20.9
3 22	14 8.79	−23 25.3	2.420	3.267	10.7	20.8
4 1	14 2.63	−23 29.4	2.346	3.267	8.0	20.6
4 11	13 55.09	−23 19.6	2.297	3.267	5.3	20.4
4 21	13 46.84	−22 57.1	2.276	3.267	3.5	20.3
5 1	13 38.72	−22 24.6	2.283	3.267	4.5	20.4
5 11	13 31.51	−21 46.5	2.318	3.267	7.2	20.5
5 21	13 25.81	−21 7.5	2.379	3.267	10.0	20.7

273946 2007 JH_{28} 4 19.0 301°.58 1°.9/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.84	− 8 11.8	1.736	2.559	15.2	20.6
3 22	14 9.43	− 7 51.3	1.638	2.540	11.9	20.3
4 1	14 3.51	− 7 21.7	1.561	2.521	8.0	20.0
4 11	13 55.64	− 6 46.5	1.508	2.503	3.7	19.7
4 21	13 46.69	− 6 10.8	1.482	2.484	2.5	19.6
5 1	13 37.76	− 5 40.0	1.483	2.466	6.7	19.8
5 11	13 29.98	− 5 19.8	1.509	2.448	11.1	20.0
5 21	13 24.20	− 5 13.5	1.557	2.430	15.1	20.2

463725 2014 QL_{297} 4 19.0 210°.32 3°.7/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.82	− 3 57.9	1.947	2.762	14.1	21.8
3 22	14 12.06	− 3 5.3	1.857	2.755	10.9	21.5
4 1	14 4.99	− 2 6.1	1.791	2.748	7.4	21.3
4 11	13 56.21	− 1 5.7	1.751	2.739	4.3	21.1
4 21	13 46.57	− 0 10.2	1.739	2.730	4.4	21.1
5 1	13 37.10	+ 0 34.2	1.755	2.720	7.6	21.2
5 11	13 28.77	+ 1 2.7	1.797	2.709	11.3	21.4
5 21	13 22.31	+ 1 13.4	1.862	2.697	14.7	21.6

181285 2006 OO_4 4 19.1 98°.77 0°.5/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.64	−14 3.6	2.374	3.165	12.6	20.8
3 22	14 8.36	−13 56.1	2.292	3.173	9.9	20.7
4 1	14 2.26	−13 38.8	2.232	3.182	6.7	20.5
4 11	13 54.88	−13 13.8	2.199	3.190	3.2	20.2
4 21	13 46.92	−12 43.7	2.195	3.199	0.7	20.1
5 1	13 39.17	−12 12.3	2.219	3.207	4.2	20.3
5 11	13 32.38	−11 43.7	2.271	3.216	7.6	20.6
5 21	13 27.10	−11 21.3	2.348	3.224	10.6	20.8

458791 2011 SY_{160} 4 19.1 154°.91 1°.7/20.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 18.36	−18 19.0	1.938	2.715	15.5	23.0
3 22	14 13.28	−18 6.3	1.854	2.725	12.4	22.8
4 1	14 5.78	−17 37.8	1.792	2.733	8.7	22.5
4 11	13 56.55	−16 55.0	1.755	2.741	4.6	22.3
4 21	13 46.53	−16 1.3	1.745	2.748	1.7	22.1
5 1	13 36.80	−15 2.3	1.765	2.754	5.0	22.4
5 11	13 28.39	−14 4.6	1.812	2.760	9.0	22.6
5 21	13 21.98	−13 14.2	1.884	2.764	12.6	22.8

174025 2001 YV_{137} 4 19.1 163°.63 1°.2/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.77	− 7 43.6	2.794	3.590	10.8	21.1
3 22	14 8.92	− 7 31.7	2.707	3.594	8.3	20.9
4 1	14 2.49	− 7 15.0	2.644	3.598	5.5	20.7
4 11	13 54.96	− 6 55.8	2.609	3.602	2.5	20.5
4 21	13 46.92	− 6 36.7	2.603	3.605	1.6	20.5
5 1	13 39.04	− 6 20.7	2.628	3.607	4.4	20.7
5 11	13 31.96	− 6 10.5	2.681	3.610	7.3	20.9
5 21	13 26.17	− 6 7.9	2.760	3.612	9.9	21.0

54049 2000 GO_{125} 4 19.1 140°.42 4°.8/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.49	− 2 19.3	1.781	2.612	14.5	18.4
3 22	14 8.77	− 1 4.6	1.708	2.615	11.2	18.1
4 1	14 2.77	+ 0 15.9	1.659	2.618	7.8	17.9
4 11	13 55.18	+ 1 35.1	1.636	2.621	5.1	17.8
4 21	13 46.87	+ 2 45.2	1.639	2.624	5.6	17.8
5 1	13 38.85	+ 3 39.4	1.670	2.626	8.7	18.0
5 11	13 32.06	+ 4 13.2	1.724	2.629	12.1	18.2
5 21	13 27.15	+ 4 25.2	1.800	2.631	15.3	18.4

188287 2003 BU_{49} 4 19.1 71°.26 3°.8/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.02	− 4 13.6	1.623	2.448	15.9	20.0
3 22	14 12.14	− 3 22.7	1.574	2.478	12.2	19.8
4 1	14 4.86	− 2 26.6	1.548	2.507	8.1	19.6
4 11	13 56.03	− 1 31.8	1.547	2.537	4.5	19.5
4 21	13 46.70	− 0 44.8	1.573	2.566	4.4	19.5
5 1	13 37.97	− 0 11.2	1.626	2.594	7.7	19.8
5 11	13 30.77	+ 0 5.6	1.703	2.623	11.3	20.1
5 21	13 25.68	+ 0 4.8	1.803	2.651	14.5	20.3

182826 2002 AN_{203} 4 19.1 44°.67 0°.1/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.71	−12 59.1	2.111	2.915	13.5	21.0
3 22	14 7.08	−12 38.6	2.033	2.924	10.5	20.8
4 1	14 1.50	−12 7.6	1.979	2.934	7.0	20.6
4 11	13 54.57	−11 28.7	1.950	2.943	3.2	20.4
4 21	13 47.03	−10 45.9	1.949	2.953	0.8	20.2
5 1	13 39.75	−10 3.8	1.976	2.964	4.7	20.5
5 11	13 33.52	− 9 27.4	2.030	2.974	8.4	20.8
5 21	13 28.90	− 9 0.2	2.108	2.985	11.6	21.0

194979 2002 AE_{203} 4 19.1 104°.15 3°.7/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.02	− 2 11.9	2.477	3.296	11.3	20.8
3 22	14 6.13	− 1 4.4	2.410	3.310	8.7	20.6
4 1	14 0.66	+ 0 6.5	2.368	3.324	5.9	20.4
4 11	13 54.12	+ 1 15.7	2.353	3.337	3.9	20.3
4 21	13 47.15	+ 2 17.9	2.368	3.351	4.3	20.4
5 1	13 40.43	+ 3 8.7	2.411	3.364	6.6	20.5
5 11	13 34.60	+ 3 44.8	2.480	3.377	9.2	20.7
5 21	13 30.11	+ 4 4.9	2.573	3.389	11.6	20.9

466515 2014 PJ_{56} 4 19.1 175°.32 2°.5/21.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.04	−19 37.9	1.949	2.722	15.6	22.7
3 22	14 13.14	−19 38.4	1.859	2.725	12.6	22.5
4 1	14 5.79	−19 23.1	1.790	2.727	9.0	22.2
4 11	13 56.61	−18 52.4	1.745	2.728	5.1	22.0
4 21	13 46.53	−18 8.8	1.729	2.729	2.5	21.8
5 1	13 36.67	−17 17.1	1.740	2.729	5.1	22.0
5 11	13 28.07	−16 23.7	1.779	2.729	9.0	22.2
5 21	13 21.48	−15 35.0	1.843	2.728	12.6	22.5

353607 2011 UA_{11} 4 19.1 111°.62 1°.5/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.27	−10 10.3	2.448	3.254	11.8	21.2
3 22	14 5.66	− 9 11.2	2.368	3.262	9.1	21.0
4 1	14 0.41	− 8 2.8	2.312	3.270	5.9	20.9
4 11	13 54.04	− 6 49.4	2.283	3.277	2.7	20.7
4 21	13 47.17	− 5 35.8	2.284	3.285	2.0	20.6
5 1	13 40.53	− 4 27.6	2.315	3.292	5.1	20.8
5 11	13 34.77	− 3 29.3	2.372	3.299	8.2	21.0
5 21	13 30.37	− 2 44.2	2.455	3.306	11.0	21.2

352074 2006 WB_{116} 4 19.1 207°.29 4°.8/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.58	+ 6 18.8	3.116	3.922	9.5	21.4
3 22	14 7.86	+ 7 3.7	3.030	3.915	7.6	21.2
4 1	14 1.73	+ 7 46.8	2.971	3.908	5.8	21.1
4 11	13 54.61	+ 8 23.7	2.939	3.900	4.8	21.0
4 21	13 47.04	+ 8 50.9	2.936	3.892	5.3	21.0
5 1	13 39.59	+ 9 5.6	2.962	3.883	6.9	21.1
5 11	13 32.83	+ 9 6.2	3.015	3.874	8.9	21.2
5 21	13 27.20	+ 8 52.5	3.091	3.864	10.8	21.4

263953 2009 HB_{102} 4 19.1 296°.98 3°.0/15.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 9.74	− 4 34.1	2.232	3.053	12.3	20.9
3 22	14 6.37	− 3 49.0	2.133	3.036	9.5	20.7
4 1	14 1.11	− 2 57.6	2.058	3.018	6.4	20.5
4 11	13 54.45	− 2 4.5	2.010	3.000	3.6	20.2
4 21	13 47.06	− 1 14.7	1.989	2.982	3.6	20.2
5 1	13 39.74	− 0 33.3	1.996	2.964	6.6	20.4
5 11	13 33.28	− 0 4.7	2.029	2.947	9.9	20.5
5 21	13 28.31	+ 0 8.7	2.086	2.929	13.0	20.7

20835 Eliseadcock 4 19.1 270°.77 2°.3/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.13	− 7 7.3	1.900	2.719	14.2	18.4
3 22	14 9.33	− 6 34.0	1.807	2.708	11.1	18.1
4 1	14 3.26	− 5 52.4	1.737	2.697	7.4	17.9
4 11	13 55.48	− 5 6.7	1.692	2.685	3.6	17.6
4 21	13 46.81	− 4 22.2	1.675	2.674	2.9	17.6
5 1	13 38.27	− 3 44.4	1.685	2.662	6.6	17.8
5 11	13 30.82	− 3 18.3	1.721	2.651	10.6	18.0
5 21	13 25.19	− 3 6.9	1.779	2.639	14.1	18.2

301432 2009 DO_{63} 4 19.1 309°.44 4°.9/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.93	+ 0 41.7	2.157	2.985	12.4	20.5
3 22	14 6.44	+ 1 46.7	2.078	2.981	9.7	20.3
4 1	14 1.09	+ 2 54.1	2.024	2.978	6.9	20.1
4 11	13 54.40	+ 3 57.9	1.996	2.975	5.1	20.0
4 21	13 47.10	+ 4 52.2	1.996	2.972	5.6	20.0
5 1	13 39.99	+ 5 31.7	2.022	2.969	8.1	20.2
5 11	13 33.84	+ 5 53.2	2.074	2.966	11.0	20.3
5 21	13 29.22	+ 5 55.9	2.147	2.963	13.7	20.5

299947 2006 TC_{55} 4 19.1 198°.32 1°.8/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.69	− 6 28.1	3.049	3.850	9.8	21.6
3 22	14 6.47	− 5 47.4	2.955	3.846	7.6	21.4
4 1	14 0.84	− 5 1.6	2.886	3.842	5.0	21.2
4 11	13 54.23	− 4 13.6	2.845	3.837	2.5	21.1
4 21	13 47.16	− 3 27.1	2.835	3.832	2.3	21.0
5 1	13 40.20	− 2 45.5	2.855	3.826	4.7	21.2
5 11	13 33.91	− 2 12.1	2.903	3.819	7.3	21.4
5 21	13 28.75	− 1 48.9	2.976	3.812	9.7	21.5

187681 2008 DP_{11} 4 19.1 220°.05 6°.4/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.50	+ 6 40.9	2.365	3.190	11.6	20.1
3 22	14 5.93	+ 8 2.2	2.295	3.189	9.3	19.9
4 1	14 0.65	+ 9 21.9	2.249	3.188	7.3	19.8
4 11	13 54.18	+10 33.1	2.230	3.187	6.4	19.7
4 21	13 47.18	+11 30.3	2.239	3.186	7.2	19.8
5 1	13 40.37	+12 8.7	2.273	3.185	9.2	19.9
5 11	13 34.45	+12 26.3	2.332	3.184	11.4	20.1
5 21	13 29.94	+12 23.1	2.412	3.182	13.6	20.2

263915 2009 FU_{66} 4 19.1 256°.33 2°.8/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.24	− 6 4.8	1.691	2.513	15.6	21.2
3 22	14 12.07	− 5 38.4	1.600	2.502	12.2	20.9
4 1	14 5.27	− 5 4.3	1.531	2.491	8.2	20.7
4 11	13 56.47	− 4 27.1	1.487	2.480	4.1	20.4
4 21	13 46.60	− 3 52.3	1.470	2.469	3.4	20.3
5 1	13 36.86	− 3 25.6	1.479	2.457	7.4	20.5
5 11	13 28.39	− 3 11.9	1.514	2.445	11.7	20.8
5 21	13 22.04	− 3 14.0	1.571	2.433	15.6	21.0

497575 2006 EJ_{73} 4 19.1 9°.79 4°.7/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.03	− 2 50.4	1.755	2.590	14.5	21.3
3 22	14 6.93	− 1 34.8	1.681	2.591	11.2	21.1
4 1	14 1.61	− 0 12.6	1.631	2.592	7.7	20.9
4 11	13 54.69	+ 1 8.8	1.606	2.593	5.0	20.7
4 21	13 47.06	+ 2 21.6	1.608	2.594	5.5	20.7
5 1	13 39.69	+ 3 18.8	1.637	2.595	8.6	20.9
5 11	13 33.52	+ 3 55.6	1.689	2.597	12.1	21.1
5 21	13 29.17	+ 4 10.2	1.763	2.599	15.3	21.3

158558 2002 JV_{67} 4 19.1 88°.43 15°.5/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 33.07	+19 17.0	1.057	1.876	23.0	19.3
3 22	14 26.26	+20 8.1	1.007	1.882	20.0	19.1
4 1	14 15.13	+20 35.6	0.974	1.888	17.2	18.9
4 11	14 0.94	+20 25.0	0.961	1.894	15.6	18.9
4 21	13 45.60	+19 27.7	0.968	1.899	16.0	18.9
5 1	13 31.31	+17 43.4	0.997	1.905	18.2	19.0
5 11	13 19.86	+15 20.4	1.046	1.911	21.2	19.2
5 21	13 12.15	+12 31.4	1.112	1.917	24.3	19.5

507542 2012 XM_{70} 4 19.1 115°.51 0°.2/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.35	−15 22.0	2.561	3.347	11.9	21.8
3 22	14 6.44	−14 39.4	2.479	3.359	9.3	21.6
4 1	14 0.91	−13 45.4	2.422	3.372	6.2	21.4
4 11	13 54.27	−12 42.8	2.391	3.383	2.9	21.2
4 21	13 47.18	−11 35.6	2.390	3.395	0.6	21.1
5 1	13 40.31	−10 28.7	2.419	3.406	4.0	21.3
5 11	13 34.33	− 9 27.0	2.476	3.417	7.2	21.6
5 21	13 29.71	− 8 34.5	2.559	3.428	10.0	21.8

214840 2006 VB_{144} 4 19.1 167°.97 0°.1/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 17.03	−11 13.5	2.848	3.627	11.0	20.8
3 22	14 11.47	−11 24.3	2.754	3.631	8.6	20.6
4 1	14 4.23	−11 29.3	2.685	3.634	5.8	20.4
4 11	13 55.80	−11 29.6	2.645	3.637	2.7	20.2
4 21	13 46.80	−11 27.0	2.635	3.639	0.6	20.0
5 1	13 37.94	−11 23.6	2.655	3.641	3.8	20.3
5 11	13 29.88	−11 21.9	2.705	3.643	6.9	20.5
5 21	13 23.16	−11 24.2	2.782	3.644	9.6	20.7

42808 1999 JZ_{13} 4 19.1 198°.46 1°.2/20.4 17

3 12	14 14.82	−21 14.5	1.985	2.756	15.4	19.2
3 22	14 10.58	−20 3.4	1.885	2.753	12.3	19.0
4 1	14 4.02	−18 29.2	1.808	2.749	8.6	18.8
4 11	13 55.80	−16 35.0	1.757	2.745	4.4	18.5
4 21	13 46.80	−14 26.8	1.736	2.739	1.2	18.3
5 1	13 38.05	−12 13.9	1.744	2.733	5.0	18.5
5 11	13 30.51	−10 6.6	1.782	2.727	9.3	18.8
5 21	13 24.87	− 8 13.5	1.845	2.719	13.1	19.0

134189 2005 CM_{57} 4 19.1 249°.73 2°.9/16.2 18

3 12	14 11.22	− 5 53.1	2.074	2.894	13.2	20.2
3 22	14 7.59	− 5 1.2	1.987	2.889	10.2	19.9
4 1	14 1.94	− 4 1.8	1.923	2.883	6.8	19.7
4 11	13 54.84	− 2 59.8	1.886	2.877	3.6	19.5
4 21	13 47.03	− 2 0.8	1.877	2.871	3.5	19.5
5 1	13 39.40	− 1 10.6	1.895	2.865	6.7	19.7
5 11	13 32.77	− 0 33.9	1.939	2.859	10.2	19.9
5 21	13 27.76	− 0 13.2	2.007	2.853	13.3	20.1

139569 2001 QU_{84} 4 19.1 137°.50 2°.8/16.4 18

3 12	14 15.90	− 4 58.7	2.262	3.069	12.6	20.8
3 22	14 10.83	− 4 14.2	2.190	3.084	9.7	20.6
4 1	14 3.87	− 3 24.5	2.142	3.098	6.5	20.4
4 11	13 55.63	− 2 34.1	2.121	3.111	3.5	20.2
4 21	13 46.87	− 1 47.8	2.130	3.124	3.3	20.2
5 1	13 38.41	− 1 10.1	2.168	3.136	6.1	20.4
5 11	13 31.01	− 0 44.6	2.233	3.147	9.3	20.7
5 21	13 25.22	− 0 32.9	2.322	3.158	12.1	20.9

183623 2003 UE_{260} 4 19.1 232°.26 1°.8/17.5 17

3 12	14 15.73	− 9 8.9	1.983	2.790	14.1	21.7
3 22	14 11.32	− 8 29.1	1.883	2.777	11.0	21.5
4 1	14 4.60	− 7 38.7	1.806	2.763	7.4	21.2
4 11	13 56.12	− 6 41.7	1.755	2.748	3.4	20.9
4 21	13 46.72	− 5 43.3	1.732	2.733	2.4	20.8
5 1	13 37.39	− 4 49.5	1.738	2.717	6.3	21.1
5 11	13 29.14	− 4 6.3	1.770	2.700	10.4	21.3
5 21	13 22.71	− 3 37.4	1.826	2.683	14.0	21.4

480559 2015 MS_{65} 4 19.1 334°.60 1°.0/20.0 17

3 12	14 6.91	−17 0.8	1.806	2.614	15.3	20.2
3 22	14 4.76	−16 35.3	1.708	2.599	12.2	20.0
4 1	14 0.34	−15 52.8	1.631	2.584	8.4	19.7
4 11	13 54.21	−14 55.3	1.578	2.569	4.2	19.4
4 21	13 47.18	−13 47.3	1.551	2.556	1.1	19.2
5 1	13 40.24	−12 35.2	1.551	2.543	5.2	19.4
5 11	13 34.40	−11 26.7	1.577	2.531	9.5	19.6
5 21	13 30.37	−10 28.3	1.625	2.520	13.4	19.8

353319 2010 KO_{94} 4 19.1 274°.46 6°.9/25.9 16

3 12	14 14.50	−33 24.5	2.514	3.205	14.4	20.9
3 22	14 10.33	−34 10.4	2.407	3.195	12.6	20.8
4 1	14 3.94	−34 39.0	2.319	3.185	10.5	20.6
4 11	13 55.84	−34 47.6	2.254	3.175	8.5	20.5
4 21	13 46.79	−34 34.9	2.214	3.164	7.1	20.3
5 1	13 37.73	−34 2.2	2.201	3.154	7.1	20.3
5 11	13 29.64	−33 13.9	2.214	3.144	8.6	20.4
5 21	13 23.26	−32 15.9	2.252	3.133	10.7	20.5

133697 2003 UE_{226} 4 19.1 205°.91 3°.7/15.7 18

3 12	14 15.72	− 0 6.6	2.481	3.290	11.6	20.0
3 22	14 10.67	+ 0 20.3	2.392	3.285	9.1	19.8
4 1	14 3.80	+ 0 48.2	2.328	3.280	6.3	19.6
4 11	13 55.64	+ 1 13.3	2.292	3.275	4.0	19.4
4 21	13 46.86	+ 1 31.8	2.284	3.269	4.1	19.4
5 1	13 38.24	+ 1 40.2	2.305	3.263	6.5	19.6
5 11	13 30.51	+ 1 36.3	2.354	3.257	9.4	19.7
5 21	13 24.24	+ 1 19.5	2.427	3.250	12.0	19.9

97728 2000 GV_{165} 4 19.1 195°.32 0°.3/19.4 17

3 12	14 11.96	−14 26.5	2.231	3.025	13.2	20.2
3 22	14 8.06	−14 6.7	2.140	3.024	10.4	20.0
4 1	14 2.21	−13 35.4	2.073	3.024	7.0	19.8
4 11	13 54.96	−12 54.9	2.031	3.023	3.3	19.6
4 21	13 47.03	−12 8.8	2.017	3.022	0.7	19.3
5 1	13 39.27	−11 21.5	2.032	3.020	4.5	19.6
5 11	13 32.49	−10 38.2	2.074	3.019	8.2	19.9
5 21	13 27.28	−10 3.0	2.141	3.018	11.4	20.1

299750 2006 RU_{94} 4 19.1 224°.50 0°.7/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 11.30	−15 34.6	2.482	3.267	12.3	22.2
3 22	14 7.40	−15 16.0	2.384	3.262	9.7	22.0
4 1	14 1.70	−14 46.3	2.309	3.256	6.6	21.8
4 11	13 54.72	−14 7.2	2.261	3.251	3.2	21.6
4 21	13 47.10	−13 21.7	2.241	3.245	0.8	21.3
5 1	13 39.60	−12 34.1	2.250	3.239	4.1	21.6
5 11	13 32.96	−11 48.9	2.288	3.233	7.5	21.8
5 21	13 27.73	−11 10.1	2.351	3.227	10.6	22.0

388784 2008 AT_{34} 4 19.1 319°.13 7°.1/11.8 17

3 12	14 10.36	+ 7 22.5	2.106	2.935	12.7	20.4
3 22	14 6.87	+ 8 33.0	2.032	2.928	10.3	20.2
4 1	14 1.43	+ 9 41.1	1.981	2.921	8.1	20.1
4 11	13 54.61	+10 39.5	1.956	2.913	7.1	20.0
4 21	13 47.14	+11 22.1	1.956	2.907	7.9	20.0
5 1	13 39.86	+11 44.3	1.983	2.900	10.0	20.1
5 11	13 33.58	+11 44.0	2.033	2.894	12.5	20.3
5 21	13 28.88	+11 21.9	2.103	2.888	14.9	20.4

333930 1999 US_{5} 4 19.1 266°.69 0°.8/19.7 17

3 12	14 16.60	−14 23.7	2.262	3.046	13.4	20.7
3 22	14 11.94	−14 25.9	2.143	3.020	10.7	20.4
4 1	14 5.04	−14 18.0	2.046	2.993	7.4	20.2
4 11	13 56.38	−14 0.8	1.976	2.966	3.7	19.9
4 21	13 46.68	−13 36.5	1.934	2.938	1.0	19.6
5 1	13 36.88	−13 8.4	1.921	2.909	4.8	19.8
5 11	13 27.93	−12 41.2	1.937	2.880	8.7	20.0
5 21	13 20.62	−12 19.1	1.977	2.851	12.4	20.2

60486 2000 DS_{66} 4 19.1 152°.69 1°.2/17.9 18

3 12	14 12.30	− 9 54.5	2.266	3.070	12.7	20.5
3 22	14 8.20	− 9 21.4	2.182	3.074	9.8	20.3
4 1	14 2.24	− 8 39.6	2.121	3.078	6.5	20.1
4 11	13 54.95	− 7 52.6	2.088	3.081	2.9	19.8
4 21	13 47.07	− 7 4.6	2.082	3.085	1.7	19.8
5 1	13 39.39	− 6 20.3	2.106	3.088	5.1	20.0
5 11	13 32.68	− 5 44.2	2.157	3.090	8.6	20.2
5 21	13 27.50	− 5 19.3	2.232	3.093	11.6	20.4

375954 2009 WB_{170} 4 19.1 209°.41 2°.8/16.8 17

3 12	14 17.14	− 3 56.0	2.177	2.985	13.0	21.3
3 22	14 12.08	− 3 36.0	2.086	2.981	10.1	21.1
4 1	14 4.92	− 3 12.2	2.019	2.975	6.8	20.9
4 11	13 56.22	− 2 48.3	1.979	2.970	3.6	20.7
4 21	13 46.76	− 2 28.1	1.968	2.963	3.3	20.7
5 1	13 37.45	− 2 15.7	1.985	2.957	6.3	20.8
5 11	13 29.18	− 2 14.1	2.030	2.950	9.8	21.0
5 21	13 22.60	− 2 24.8	2.098	2.942	12.9	21.2

497000 2002 UL_{9} 4 19.1 182°.76 5°.3/25.8 18

3 12	14 14.74	−33 2.3	3.034	3.713	12.4	21.6
3 22	14 9.93	−33 17.8	2.930	3.714	10.7	21.5
4 1	14 3.34	−33 17.0	2.846	3.714	8.7	21.3
4 11	13 55.46	−32 58.5	2.787	3.713	6.8	21.2
4 21	13 46.95	−32 22.6	2.755	3.712	5.5	21.1
5 1	13 38.56	−31 31.6	2.751	3.710	5.5	21.1
5 11	13 31.03	−30 29.6	2.775	3.708	6.9	21.2
5 21	13 24.93	−29 22.0	2.826	3.705	8.9	21.3

459585 2013 GH_{124} 4 19.1 2°.52 0°.5/19.4 17

3 12	14 12.71	−13 25.1	1.184	2.021	19.9	21.5
3 22	14 10.29	−13 28.1	1.112	2.020	15.8	21.2
4 1	14 4.56	−13 14.9	1.058	2.019	10.7	20.9
4 11	13 56.29	−12 48.1	1.025	2.019	5.1	20.6
4 21	13 46.73	−12 12.4	1.016	2.021	1.1	20.3
5 1	13 37.49	−11 35.1	1.030	2.023	7.0	20.7
5 11	13 30.05	−11 4.3	1.067	2.026	12.4	21.0
5 21	13 25.38	−10 46.0	1.124	2.029	17.2	21.3

177976 2006 QR_{20} 4 19.1 220°.35 5°.1/23.1 17

3 12	14 18.15	−25 34.7	1.986	2.732	16.2	20.7
3 22	14 13.53	−26 5.1	1.884	2.724	13.6	20.5
4 1	14 6.28	−26 18.0	1.803	2.717	10.5	20.3
4 11	13 56.98	−26 11.1	1.745	2.708	7.3	20.1
4 21	13 46.56	−25 44.5	1.714	2.699	5.2	20.0
5 1	13 36.18	−25 1.1	1.709	2.690	6.2	20.0
5 11	13 27.01	−24 7.0	1.732	2.680	9.3	20.2
5 21	13 19.93	−23 9.8	1.779	2.670	12.7	20.3

307562 2003 FX_{1} 4 19.1 198°.89 11°.7/27.9 17

3 12	14 33.69	−44 35.4	2.468	3.048	16.9	21.2
3 22	14 26.49	−46 36.8	2.366	3.045	15.6	21.0
4 1	14 15.63	−48 19.9	2.282	3.041	14.2	20.9
4 11	14 1.58	−49 36.7	2.219	3.037	12.8	20.8
4 21	13 45.39	−50 20.6	2.180	3.031	11.9	20.7
5 1	13 28.69	−50 28.9	2.166	3.026	11.8	20.7
5 11	13 13.31	−50 4.6	2.175	3.019	12.4	20.7
5 21	13 0.67	−49 15.4	2.208	3.012	13.7	20.8

8760 Crex 4 19.1 309°.83 0°.7/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 10.77	−15 23.3	2.189	2.983	13.4	18.6
3 22	14 7.24	−15 8.6	2.094	2.978	10.6	18.3
4 1	14 1.73	−14 41.8	2.023	2.973	7.3	18.1
4 11	13 54.78	−14 4.9	1.977	2.967	3.6	17.9
4 21	13 47.11	−13 21.0	1.958	2.963	0.9	17.7
5 1	13 39.57	−12 34.8	1.968	2.958	4.5	17.9
5 11	13 33.00	−11 51.4	2.005	2.953	8.2	18.1
5 21	13 28.01	−11 15.2	2.067	2.949	11.5	18.3

376534 2012 SC_{59} 4 19.1 248°.20 0°.6/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.64	− 9 32.1	4.801	5.593	6.6	21.8
3 22	14 0.63	− 9 5.5	4.697	5.584	5.1	21.7
4 1	13 56.79	− 8 34.9	4.620	5.574	3.3	21.6
4 11	13 52.38	− 8 1.9	4.571	5.565	1.5	21.4
4 21	13 47.70	− 7 28.4	4.553	5.555	0.9	21.4
5 1	13 43.07	− 6 56.3	4.565	5.545	2.7	21.5
5 11	13 38.82	− 6 27.6	4.606	5.535	4.5	21.6
5 21	13 35.21	− 6 3.7	4.674	5.525	6.2	21.7

120420 4133 T_{-1} 4 19.1 348°.13 2°.7/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.82	− 8 42.6	1.099	1.954	19.9	19.2
3 22	14 8.98	− 8 8.8	1.028	1.948	15.6	18.9
4 1	14 3.77	− 7 20.3	0.975	1.943	10.4	18.5
4 11	13 55.96	− 6 23.4	0.943	1.939	4.9	18.2
4 21	13 46.82	− 5 26.6	0.934	1.935	3.5	18.1
5 1	13 37.97	− 4 39.7	0.947	1.933	8.9	18.4
5 11	13 30.95	− 4 10.8	0.982	1.932	14.4	18.7
5 21	13 26.75	− 4 4.2	1.035	1.931	19.2	19.0

12891 1998 QH_{51} 4 19.1 218°.09 0°.6/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.10	−12 9.2	2.266	3.065	12.9	18.6
3 22	14 8.16	−11 36.1	2.171	3.060	10.0	18.4
4 1	14 2.29	−10 52.3	2.100	3.055	6.7	18.1
4 11	13 55.02	−10 0.8	2.055	3.049	3.0	17.9
4 21	13 47.07	− 9 5.8	2.039	3.043	1.1	17.7
5 1	13 39.26	− 8 12.3	2.052	3.036	4.9	18.0
5 11	13 32.39	− 7 25.4	2.092	3.030	8.5	18.2
5 21	13 27.06	− 6 49.0	2.156	3.023	11.8	18.4

427208 2014 WN 4 19.1 180°.08 1°.2/18.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.06	−10 28.7	2.057	2.858	13.9	22.2
3 22	14 11.35	− 9 54.8	1.970	2.860	10.8	22.0
4 1	14 4.47	− 9 10.6	1.905	2.861	7.2	21.8
4 11	13 56.03	− 8 19.8	1.868	2.861	3.2	21.6
4 21	13 46.84	− 7 27.0	1.858	2.861	1.7	21.4
5 1	13 37.86	− 6 37.7	1.878	2.860	5.6	21.7
5 11	13 30.01	− 5 57.1	1.925	2.858	9.4	21.9
5 21	13 23.93	− 5 28.8	1.995	2.856	12.8	22.1

504133 2006 RA_{90} 4 19.1 223°.14 1°.9/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.49	− 9 23.5	2.548	3.354	11.4	21.8
3 22	14 5.89	− 8 13.7	2.452	3.347	8.8	21.6
4 1	14 0.64	− 6 54.0	2.382	3.340	5.8	21.4
4 11	13 54.23	− 5 28.8	2.340	3.333	2.8	21.2
4 21	13 47.27	− 4 3.4	2.327	3.325	2.4	21.1
5 1	13 40.44	− 2 43.6	2.345	3.318	5.4	21.3
5 11	13 34.42	− 1 34.5	2.390	3.310	8.5	21.5
5 21	13 29.70	− 0 39.7	2.460	3.301	11.3	21.6

344910 2004 RK_{213} 4 19.1 281°.48 7°.1/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.92	−31 30.3	1.960	2.684	17.1	20.9
3 22	14 10.55	−31 57.5	1.845	2.662	14.8	20.7
4 1	14 4.48	−32 2.6	1.749	2.640	12.1	20.5
4 11	13 56.25	−31 42.0	1.675	2.617	9.3	20.2
4 21	13 46.75	−30 54.7	1.624	2.595	7.3	20.1
5 1	13 37.18	−29 43.0	1.600	2.572	7.5	20.0
5 11	13 28.78	−28 14.2	1.602	2.549	10.0	20.1
5 21	13 22.52	−26 37.5	1.627	2.526	13.2	20.2

370109 2001 TQ_{210} 4 19.1 222°.11 7°.0/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.46	−30 47.9	2.141	2.852	16.2	21.5
3 22	14 14.58	−31 41.1	2.037	2.844	14.0	21.3
4 1	14 7.03	−32 16.3	1.953	2.836	11.4	21.1
4 11	13 57.37	−32 29.8	1.892	2.828	8.9	20.9
4 21	13 46.50	−32 20.0	1.856	2.819	7.2	20.8
5 1	13 35.61	−31 48.2	1.847	2.809	7.5	20.8
5 11	13 25.90	−30 59.5	1.864	2.800	9.6	20.9
5 21	13 18.29	−30 1.5	1.906	2.789	12.3	21.1

70728 Gal–Edd 4 19.1 187°.79 1°.5/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.44	− 9 11.6	2.130	2.931	13.5	19.9
3 22	14 11.59	− 8 36.6	2.040	2.931	10.5	19.6
4 1	14 4.61	− 7 52.7	1.974	2.930	6.9	19.4
4 11	13 56.09	− 7 3.3	1.934	2.928	3.2	19.2
4 21	13 46.84	− 6 13.2	1.924	2.925	2.1	19.1
5 1	13 37.78	− 5 27.5	1.942	2.922	5.7	19.3
5 11	13 29.79	− 4 51.1	1.988	2.917	9.4	19.5
5 21	13 23.52	− 4 27.2	2.058	2.913	12.7	19.7

439810 2015 KM_{9} 4 19.1 318°.08 8°.3/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 12.96	+12 20.9	2.151	2.969	12.8	20.5
3 22	14 8.81	+13 24.6	2.083	2.965	10.7	20.3
4 1	14 2.69	+14 21.3	2.038	2.961	9.0	20.2
4 11	13 55.19	+15 4.1	2.018	2.956	8.3	20.2
4 21	13 47.06	+15 27.4	2.024	2.952	9.0	20.2
5 1	13 39.19	+15 27.6	2.054	2.949	10.8	20.3
5 11	13 32.36	+15 4.1	2.108	2.945	13.0	20.4
5 21	13 27.17	+14 18.7	2.182	2.941	15.2	20.6

201776 2003 WQ_{94} 4 19.1 229°.91 0°.7/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.68	−14 46.9	2.241	3.030	13.3	20.7
3 22	14 9.48	−14 38.5	2.143	3.024	10.5	20.5
4 1	14 3.24	−14 19.0	2.068	3.017	7.2	20.3
4 11	13 55.49	−13 50.1	2.019	3.010	3.5	20.1
4 21	13 46.98	−13 14.6	1.998	3.002	0.9	19.8
5 1	13 38.58	−12 36.7	2.006	2.995	4.5	20.1
5 11	13 31.14	−12 1.0	2.041	2.987	8.2	20.3
5 21	13 25.31	−11 31.8	2.102	2.979	11.6	20.5

402936 2007 TP_{243} 4 19.1 188°.82 4°.2/22.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.94	−24 32.6	2.101	2.846	15.5	22.5
3 22	14 13.87	−24 46.8	2.003	2.845	12.8	22.3
4 1	14 6.34	−24 43.6	1.926	2.844	9.7	22.1
4 11	13 56.96	−24 21.9	1.873	2.842	6.4	21.9
4 21	13 46.63	−23 42.7	1.848	2.838	4.2	21.8
5 1	13 36.45	−22 49.7	1.851	2.835	5.5	21.8
5 11	13 27.46	−21 49.4	1.882	2.830	8.6	22.0
5 21	13 20.45	−20 48.7	1.938	2.824	12.0	22.2

181160 2005 SZ_{2} 4 19.1 229°.99 1°.6/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.42	− 8 46.7	2.588	3.395	11.2	20.7
3 22	14 5.81	− 7 58.6	2.495	3.389	8.7	20.5
4 1	14 0.59	− 7 2.5	2.425	3.383	5.7	20.3
4 11	13 54.22	− 6 2.0	2.384	3.377	2.7	20.1
4 21	13 47.30	− 5 1.6	2.371	3.371	2.1	20.1
5 1	13 40.51	− 4 5.7	2.388	3.364	5.0	20.2
5 11	13 34.50	− 3 18.9	2.432	3.357	8.1	20.4
5 21	13 29.78	− 2 43.9	2.501	3.351	10.9	20.6

288375 2004 CM_{29} 4 19.1 293°.66 8°.3/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.37	+ 9 32.4	2.027	2.856	13.1	21.0
3 22	14 7.05	+11 4.4	1.949	2.841	10.8	20.8
4 1	14 1.66	+12 33.5	1.895	2.827	9.0	20.6
4 11	13 54.78	+13 51.3	1.867	2.813	8.3	20.6
4 21	13 47.16	+14 50.3	1.864	2.798	9.3	20.6
5 1	13 39.68	+15 24.9	1.886	2.784	11.4	20.7
5 11	13 33.21	+15 32.9	1.930	2.770	13.9	20.8
5 21	13 28.39	+15 14.9	1.993	2.756	16.3	21.0

413458 2005 EN_{161} 4 19.1 29°.55 0°.2/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.84	−11 45.0	1.429	2.252	17.9	20.9
3 22	14 12.12	−11 44.8	1.355	2.255	14.0	20.6
4 1	14 5.47	−11 32.5	1.300	2.259	9.4	20.4
4 11	13 56.62	−11 10.6	1.269	2.263	4.3	20.1
4 21	13 46.72	−10 43.4	1.263	2.267	1.1	19.8
5 1	13 37.14	−10 16.8	1.283	2.272	6.4	20.2
5 11	13 29.16	− 9 56.8	1.327	2.277	11.3	20.5
5 21	13 23.62	− 9 47.8	1.393	2.283	15.5	20.8

226695 2004 JR_{29} 4 19.1 294°.64 1°.3/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.34	−18 35.3	1.680	2.481	16.5	20.8
3 22	14 7.73	−18 0.3	1.575	2.461	13.3	20.5
4 1	14 2.54	−17 4.1	1.491	2.441	9.3	20.2
4 11	13 55.34	−15 48.3	1.431	2.421	4.8	19.9
4 21	13 47.01	−14 17.8	1.396	2.400	1.4	19.6
5 1	13 38.72	−12 40.4	1.389	2.380	5.7	19.9
5 11	13 31.62	−11 6.3	1.407	2.360	10.5	20.1
5 21	13 26.60	− 9 44.0	1.448	2.340	14.9	20.3

106496 2000 WK_{31} 4 19.1 154°.64 3°.0/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.79	− 2 12.3	2.798	3.610	10.4	20.4
3 22	14 6.63	− 1 28.6	2.719	3.615	8.0	20.2
4 1	14 1.00	− 0 42.2	2.665	3.620	5.4	20.1
4 11	13 54.36	+ 0 3.1	2.639	3.625	3.3	19.9
4 21	13 47.28	+ 0 43.3	2.642	3.629	3.5	19.9
5 1	13 40.38	+ 1 15.0	2.675	3.633	5.7	20.1
5 11	13 34.24	+ 1 35.4	2.734	3.637	8.2	20.3
5 21	13 29.32	+ 1 43.5	2.818	3.641	10.6	20.4

347774 2002 CC_{185} 4 19.1 70°.70 5°.8/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.67	−29 47.4	2.410	3.126	14.4	20.9
3 22	14 10.34	−30 27.5	2.318	3.131	12.3	20.7
4 1	14 3.86	−30 50.9	2.247	3.135	9.9	20.6
4 11	13 55.80	−30 55.6	2.199	3.140	7.5	20.4
4 21	13 46.93	−30 41.4	2.178	3.145	6.0	20.3
5 1	13 38.19	−30 10.5	2.183	3.150	6.2	20.4
5 11	13 30.49	−29 27.5	2.216	3.155	8.0	20.5
5 21	13 24.50	−28 38.2	2.273	3.160	10.4	20.6

54484 2000 OJ_{26} 4 19.1 326°.39 4°.8/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 10.30	− 3 19.1	1.380	2.229	16.9	18.6
3 22	14 8.04	− 2 34.1	1.293	2.210	13.3	18.4
4 1	14 2.92	− 1 41.2	1.228	2.192	9.1	18.1
4 11	13 55.56	− 0 47.5	1.184	2.175	5.4	17.8
4 21	13 46.98	− 0 1.0	1.165	2.159	5.6	17.8
5 1	13 38.48	+ 0 30.2	1.171	2.143	9.6	17.9
5 11	13 31.38	+ 0 40.4	1.198	2.129	14.1	18.1
5 21	13 26.61	+ 0 27.5	1.245	2.115	18.3	18.3

151711 2003 BM_{39} 4 19.1 135°.66 1°.5/17.9 17

3 12	14 13.43	−10 24.8	1.815	2.630	15.0	21.1
3 22	14 9.58	− 9 44.6	1.736	2.634	11.6	20.9
4 1	14 3.41	− 8 53.0	1.678	2.637	7.7	20.7
4 11	13 55.59	− 7 54.3	1.646	2.641	3.5	20.4
4 21	13 47.01	− 6 54.2	1.642	2.644	2.0	20.3
5 1	13 38.69	− 5 59.1	1.665	2.647	6.1	20.6
5 11	13 31.61	− 5 14.8	1.713	2.650	10.2	20.8
5 21	13 26.42	− 4 45.1	1.785	2.653	13.8	21.1

167732 2004 XW_1 4 19.1 202°.18 0°.1/19.0 16

3 12	14 19.89	−11 38.4	1.794	2.594	15.7	20.6
3 22	14 14.81	−11 39.1	1.703	2.591	12.4	20.4
4 1	14 7.08	−11 29.8	1.634	2.587	8.4	20.1
4 11	13 57.35	−11 12.4	1.590	2.583	3.8	19.8
4 21	13 46.58	−10 50.0	1.573	2.578	1.0	19.6
5 1	13 35.95	−10 27.2	1.585	2.572	5.7	19.9
5 11	13 26.63	−10 9.1	1.624	2.566	10.2	20.2
5 21	13 19.45	− 9 59.6	1.686	2.560	14.1	20.4

408798 2000 SG_7 4 19.1 217°.06 1°.2/20.1 14 C

3 12	14 17.36	−16 48.4	2.047	2.828	14.7	23.2
3 22	14 12.63	−16 34.2	1.944	2.819	11.7	23.0
4 1	14 5.52	−16 5.7	1.864	2.808	8.2	22.8
4 11	13 56.62	−15 24.1	1.809	2.797	4.2	22.5
4 21	13 46.76	−14 32.6	1.782	2.785	1.3	22.3
5 1	13 36.97	−13 36.2	1.784	2.773	5.0	22.5
5 11	13 28.30	−12 41.4	1.813	2.759	9.1	22.7
5 21	13 21.49	−11 53.8	1.867	2.744	12.8	22.9

429667 2011 GN_{64} 4 19.1 322°.59 7°.6/12.6 17

3 12	14 8.89	+ 2 53.1	1.506	2.356	15.7	20.6
3 22	14 6.69	+ 4 14.6	1.420	2.333	12.6	20.3
4 1	14 1.88	+ 5 40.1	1.356	2.311	9.5	20.1
4 11	13 55.05	+ 6 59.9	1.315	2.289	7.7	19.9
4 21	13 47.12	+ 8 4.2	1.298	2.268	8.7	19.9
5 1	13 39.26	+ 8 44.5	1.305	2.248	11.9	20.1
5 11	13 32.66	+ 8 55.8	1.333	2.229	15.6	20.2
5 21	13 28.16	+ 8 37.8	1.380	2.210	19.1	20.4

277328 2005 SY_{259} 4 19.1 150°.18 1°.4/20.3 17

3 12	14 15.98	−16 53.6	2.090	2.872	14.4	22.4
3 22	14 11.32	−16 47.9	2.004	2.878	11.4	22.2
4 1	14 4.48	−16 29.0	1.941	2.885	7.9	22.0
4 11	13 56.06	−15 58.5	1.903	2.891	4.1	21.8
4 21	13 46.91	−15 19.2	1.893	2.896	1.4	21.6
5 1	13 37.98	−14 35.6	1.912	2.901	4.6	21.8
5 11	13 30.20	−13 53.2	1.958	2.906	8.4	22.1
5 21	13 24.22	−13 16.8	2.029	2.910	11.8	22.3

81451 2000 GG_{125} 4 19.1 358°.04 3°.6/16.3 18

3 12	14 10.36	− 6 33.8	1.436	2.278	16.8	19.0
3 22	14 7.77	− 5 35.2	1.363	2.276	13.0	18.7
4 1	14 2.49	− 4 25.5	1.310	2.275	8.7	18.5
4 11	13 55.26	− 3 11.7	1.282	2.274	4.6	18.2
4 21	13 47.09	− 2 2.3	1.278	2.274	4.4	18.2
5 1	13 39.22	− 1 5.7	1.299	2.275	8.4	18.4
5 11	13 32.77	− 0 28.3	1.344	2.276	12.8	18.7
5 21	13 28.54	− 0 13.0	1.409	2.277	16.7	18.9

430394 2014 XQ_{30} 4 19.1 116°.13 1°.1/19.9 18

3 12	14 18.86	−15 6.0	2.017	2.802	14.7	21.8
3 22	14 13.52	−15 12.5	1.941	2.817	11.6	21.6
4 1	14 5.91	−15 7.8	1.887	2.833	8.0	21.4
4 11	13 56.70	−14 53.0	1.859	2.848	4.0	21.2
4 21	13 46.78	−14 30.6	1.859	2.862	1.2	21.0
5 1	13 37.18	−14 4.7	1.888	2.877	4.7	21.3
5 11	13 28.84	−13 40.0	1.944	2.890	8.6	21.5
5 21	13 22.42	−13 20.6	2.025	2.903	11.9	21.8

350166 2011 TH_{12} 4 19.1 135°.47 0°.6/18.5 18

3 12	14 13.27	−10 7.1	2.569	3.365	11.6	21.1
3 22	14 8.75	− 9 57.8	2.483	3.370	9.0	20.9
4 1	14 2.52	− 9 41.9	2.422	3.376	6.0	20.7
4 11	13 55.11	− 9 21.5	2.388	3.381	2.7	20.5
4 21	13 47.15	− 8 59.5	2.383	3.386	1.1	20.4
5 1	13 39.36	− 8 39.1	2.407	3.391	4.3	20.6
5 11	13 32.44	− 8 23.4	2.459	3.396	7.5	20.8
5 21	13 26.91	− 8 14.9	2.537	3.400	10.3	21.0

320615 2008 CE_{24} 4 19.1 89°.35 2°.3/17.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 15.19	− 8 27.9	1.645	2.466	16.0	21.7
3 22	14 11.01	− 7 43.7	1.579	2.481	12.3	21.5
4 1	14 4.36	− 6 49.4	1.535	2.496	8.1	21.3
4 11	13 56.00	− 5 50.6	1.517	2.510	3.8	21.1
4 21	13 46.95	− 4 53.5	1.525	2.525	2.9	21.0
5 1	13 38.31	− 4 4.9	1.560	2.539	6.8	21.3
5 11	13 31.10	− 3 30.0	1.621	2.553	10.9	21.6
5 21	13 25.98	− 3 11.8	1.703	2.567	14.5	21.8

96825 1999 RA_{185} 4 19.1 249°.02 6°.3/12.5 17

3 12	14 11.19	+ 2 50.2	1.993	2.824	13.2	19.6
3 22	14 7.66	+ 4 17.8	1.915	2.817	10.5	19.4
4 1	14 2.06	+ 5 47.7	1.860	2.809	7.8	19.2
4 11	13 54.98	+ 7 12.2	1.831	2.802	6.3	19.1
4 21	13 47.18	+ 8 23.7	1.830	2.794	7.2	19.2
5 1	13 39.56	+ 9 15.8	1.855	2.786	9.7	19.3
5 11	13 32.98	+ 9 44.9	1.904	2.778	12.6	19.5
5 21	13 28.07	+ 9 50.5	1.973	2.770	15.3	19.6

8478 1987 DO_6 4 19.1 197°.52 3°.0/22.3 18

3 12	14 13.23	−22 36.4	2.614	3.364	12.6	18.0
3 22	14 8.92	−22 46.0	2.514	3.362	10.3	17.8
4 1	14 2.76	−22 42.4	2.437	3.360	7.7	17.6
4 11	13 55.27	−22 25.6	2.385	3.357	4.9	17.4
4 21	13 47.11	−21 56.8	2.361	3.355	3.1	17.3
5 1	13 39.05	−21 18.9	2.367	3.352	4.3	17.4
5 11	13 31.86	−20 36.5	2.400	3.349	7.0	17.5
5 21	13 26.12	−19 54.1	2.459	3.345	9.8	17.7

32620 2001 QZ_{295} 4 19.1 165°.27 4°.5/14.6 18

3 12	14 13.39	− 1 15.2	2.082	2.903	13.1	18.8
3 22	14 9.18	− 0 6.8	2.007	2.907	10.1	18.6
4 1	14 2.96	+ 1 5.5	1.955	2.911	7.1	18.4
4 11	13 55.34	+ 2 15.6	1.931	2.914	4.8	18.3
4 21	13 47.10	+ 3 17.3	1.935	2.916	5.2	18.3
5 1	13 39.11	+ 4 4.8	1.966	2.918	7.9	18.5
5 11	13 32.18	+ 4 34.5	2.023	2.920	11.0	18.6
5 21	13 26.91	+ 4 45.1	2.102	2.921	13.8	18.8

400249 2007 PF_{26} 4 19.1 213°.91 2°.1/17.3 16

3 12	14 16.44	− 8 29.9	1.856	2.668	14.8	21.8
3 22	14 12.00	− 7 48.0	1.765	2.661	11.5	21.6
4 1	14 5.12	− 6 55.8	1.695	2.653	7.7	21.3
4 11	13 56.44	− 5 57.7	1.652	2.645	3.6	21.0
4 21	13 46.84	− 4 59.3	1.636	2.636	2.7	21.0
5 1	13 37.38	− 4 7.1	1.649	2.627	6.7	21.2
5 11	13 29.12	− 3 26.9	1.687	2.617	10.8	21.4
5 21	13 22.81	− 3 2.4	1.749	2.606	14.5	21.6

37653 1994 JJ_4 4 19.1 233°.35 0°.6/19.7 18

3 12	14 12.27	−16 8.6	2.034	2.827	14.3	20.4
3 22	14 8.59	−15 39.1	1.939	2.822	11.3	20.2
4 1	14 2.75	−14 54.8	1.866	2.816	7.8	20.0
4 11	13 55.33	−13 58.2	1.819	2.810	3.8	19.7
4 21	13 47.11	−12 53.3	1.799	2.803	0.8	19.5
5 1	13 39.04	−11 46.1	1.807	2.797	4.9	19.7
5 11	13 32.04	−10 43.0	1.843	2.790	8.9	20.0
5 21	13 26.77	− 9 49.7	1.903	2.783	12.5	20.2

367798 2011 AA_{25} 4 19.1 129°.93 5°.3/24.5 16

3 12	14 17.40	−29 33.0	2.215	2.934	15.5	21.5
3 22	14 12.47	−29 44.0	2.131	2.949	13.0	21.4
4 1	14 5.25	−29 35.0	2.067	2.963	10.2	21.2
4 11	13 56.42	−29 4.8	2.027	2.977	7.4	21.0
4 21	13 46.87	−28 14.7	2.013	2.990	5.5	20.9
5 1	13 37.63	−27 8.6	2.028	3.003	5.9	21.0
5 11	13 29.64	−25 53.4	2.070	3.015	8.2	21.1
5 21	13 23.56	−24 36.3	2.137	3.027	10.9	21.3

415040 2011 YO_{45} 4 19.1 215°.88 3°.0/21.6 16

3 12	14 16.08	−21 15.4	1.818	2.593	16.5	22.1
3 22	14 11.98	−21 13.1	1.722	2.588	13.4	21.8
4 1	14 5.26	−20 52.3	1.646	2.582	9.8	21.6
4 11	13 56.56	−20 12.9	1.594	2.575	5.8	21.3
4 21	13 46.82	−19 17.6	1.569	2.569	3.0	21.1
5 1	13 37.22	−18 11.7	1.572	2.561	5.4	21.3
5 11	13 28.89	−17 3.0	1.600	2.553	9.5	21.5
5 21	13 22.68	−15 59.0	1.653	2.545	13.4	21.7

113685 2002 TQ_{111} 4 19.1 143°.52 1°.3/17.8 18

3 12	14 12.34	− 9 38.4	2.247	3.052	12.7	20.0
3 22	14 8.27	− 9 4.6	2.164	3.057	9.8	19.8
4 1	14 2.33	− 8 22.3	2.104	3.061	6.5	19.6
4 11	13 55.06	− 7 35.1	2.072	3.066	2.9	19.4
4 21	13 47.20	− 6 47.2	2.068	3.070	1.8	19.3
5 1	13 39.54	− 6 3.3	2.092	3.073	5.2	19.6
5 11	13 32.87	− 5 27.9	2.144	3.077	8.6	19.8
5 21	13 27.74	− 5 3.9	2.220	3.080	11.7	20.0

258524 2002 AY_{204} 4 19.1 35°.55 5°.6/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 9.87	+ 4 1.5	2.330	3.156	11.7	20.8
3 22	14 6.27	+ 5 9.0	2.259	3.157	9.3	20.7
4 1	14 0.94	+ 6 16.0	2.211	3.158	6.9	20.5
4 11	13 54.41	+ 7 16.6	2.191	3.159	5.6	20.5
4 21	13 47.36	+ 8 5.4	2.197	3.160	6.3	20.5
5 1	13 40.51	+ 8 38.1	2.231	3.162	8.3	20.6
5 11	13 34.56	+ 8 52.1	2.290	3.163	10.8	20.8
5 21	13 30.03	+ 8 47.4	2.370	3.164	13.2	20.9

210798 2001 FW_{27} 4 19.1 74°.25 2°.7/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 37.42	− 9 51.4	1.056	1.868	23.6	19.2
3 22	14 30.28	−11 41.4	0.991	1.882	18.8	18.9
4 1	14 18.43	−13 29.0	0.944	1.896	13.1	18.6
4 11	14 2.83	−15 9.4	0.920	1.910	6.7	18.3
4 21	13 45.37	−16 36.9	0.921	1.924	2.8	18.1
5 1	13 28.49	−17 48.9	0.949	1.938	8.2	18.5
5 11	13 14.43	−18 47.7	1.002	1.952	14.0	18.9
5 21	13 4.50	−19 38.7	1.075	1.966	19.0	19.2

123596 2000 XX_{51} 4 19.1 117°.35 3°.0/21.5 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.48	−20 8.0	2.023	2.794	15.1	20.0
3 22	14 11.89	−20 26.9	1.937	2.801	12.3	19.8
4 1	14 4.97	−20 31.5	1.874	2.808	8.9	19.6
4 11	13 56.35	−20 21.7	1.834	2.814	5.3	19.4
4 21	13 46.91	−19 59.0	1.823	2.821	3.0	19.3
5 1	13 37.68	−19 27.1	1.839	2.827	5.0	19.4
5 11	13 29.64	−18 51.4	1.882	2.833	8.4	19.6
5 21	13 23.51	−18 17.3	1.950	2.839	11.8	19.8

106062 2000 ST_{318} 4 19.1 255°.12 6°.3/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.08	−33 2.4	2.694	3.381	13.7	19.7
3 22	14 10.68	−33 40.4	2.578	3.366	11.9	19.5
4 1	14 4.17	−34 2.0	2.483	3.350	9.9	19.3
4 11	13 56.04	−34 4.6	2.411	3.334	7.9	19.2
4 21	13 46.97	−33 47.3	2.364	3.318	6.5	19.1
5 1	13 37.87	−33 11.3	2.345	3.301	6.6	19.0
5 11	13 29.64	−32 20.8	2.353	3.284	8.1	19.1
5 21	13 23.01	−31 21.4	2.387	3.267	10.3	19.2

127821 2003 FE_{91} 4 19.1 357°.30 4°.0/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.31	−20 49.3	1.266	2.075	20.5	19.6
3 22	14 10.81	−21 8.4	1.188	2.073	16.7	19.3
4 1	14 4.99	−21 5.3	1.127	2.072	12.2	19.1
4 11	13 56.59	−20 39.1	1.088	2.071	7.4	18.8
4 21	13 46.84	−19 52.2	1.071	2.071	4.0	18.6
5 1	13 37.34	−18 51.4	1.079	2.071	6.7	18.8
5 11	13 29.61	−17 46.9	1.110	2.072	11.6	19.0
5 21	13 24.67	−16 48.3	1.161	2.074	16.3	19.3

191928 2005 SR_{105} 4 19.1 257°.48 2°.5/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.03	− 8 22.9	1.581	2.402	16.5	21.0
3 22	14 13.11	− 7 42.5	1.481	2.382	13.0	20.7
4 1	14 6.29	− 6 49.7	1.401	2.361	8.7	20.4
4 11	13 57.17	− 5 48.8	1.346	2.340	4.2	20.1
4 21	13 46.70	− 4 46.6	1.318	2.318	3.2	19.9
5 1	13 36.21	− 3 50.9	1.316	2.295	7.8	20.2
5 11	13 27.00	− 3 9.2	1.339	2.272	12.7	20.4
5 21	13 20.09	− 2 46.2	1.383	2.249	17.1	20.6

457257 2008 RR_{8} 4 19.1 208°.25 0°.4/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.57	−15 16.2	1.785	2.579	16.0	22.8
3 22	14 13.08	−14 50.2	1.690	2.574	12.7	22.5
4 1	14 5.98	−14 8.6	1.617	2.567	8.7	22.3
4 11	13 56.90	−13 13.5	1.568	2.560	4.1	22.0
4 21	13 46.79	−12 9.5	1.547	2.552	0.9	21.7
5 1	13 36.83	−11 3.2	1.555	2.543	5.6	22.0
5 11	13 28.16	−10 2.1	1.589	2.533	10.2	22.3
5 21	13 21.59	− 9 12.3	1.646	2.523	14.2	22.5

335537 2006 AE_{105} 4 19.1 224°.44 1°.3/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 5.02	−19 20.6	4.556	5.310	7.5	20.7
3 22	14 1.79	−19 14.3	4.454	5.309	6.0	20.5
4 1	13 57.64	−19 0.9	4.376	5.308	4.3	20.4
4 11	13 52.85	−18 41.4	4.327	5.307	2.5	20.3
4 21	13 47.76	−18 16.9	4.306	5.306	1.3	20.2
5 1	13 42.74	−17 49.2	4.316	5.305	2.4	20.3
5 11	13 38.15	−17 20.6	4.356	5.303	4.2	20.4
5 21	13 34.27	−16 53.0	4.422	5.302	5.9	20.5

266945 2010 TD_{5} 4 19.1 266°.11 1°.3/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.57	−12 9.2	1.645	2.463	16.1	21.0
3 22	14 9.37	−11 20.3	1.552	2.452	12.6	20.7
4 1	14 3.59	−10 15.5	1.480	2.440	8.4	20.5
4 11	13 55.84	− 8 58.9	1.433	2.428	3.8	20.2
4 21	13 47.05	− 7 37.3	1.412	2.415	2.0	20.0
5 1	13 38.38	− 6 18.9	1.419	2.403	6.7	20.3
5 11	13 30.98	− 5 12.2	1.450	2.391	11.4	20.5
5 21	13 25.67	− 4 22.8	1.504	2.378	15.5	20.7

360417 2002 GN_{115} 4 19.1 28°.92 5°.8/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 11.00	− 3 31.1	1.406	2.252	16.8	20.2
3 22	14 8.26	− 1 49.4	1.339	2.254	13.0	20.0
4 1	14 2.82	+ 0 2.5	1.294	2.256	9.0	19.7
4 11	13 55.43	+ 1 54.3	1.273	2.259	6.0	19.6
4 21	13 47.17	+ 3 34.7	1.277	2.261	6.9	19.6
5 1	13 39.26	+ 4 53.6	1.306	2.264	10.5	19.8
5 11	13 32.83	+ 5 44.7	1.358	2.267	14.4	20.1
5 21	13 28.63	+ 6 6.4	1.430	2.270	18.0	20.3

441923 2010 HA_{70} 4 19.1 27°.47 10°.4/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.72	+16 45.2	1.991	2.812	13.6	20.3
3 22	14 6.47	+18 34.2	1.945	2.818	11.8	20.2
4 1	14 1.20	+20 12.1	1.923	2.824	10.6	20.1
4 11	13 54.57	+21 30.1	1.925	2.831	10.5	20.1
4 21	13 47.38	+22 21.7	1.950	2.838	11.5	20.2
5 1	13 40.52	+22 43.2	1.998	2.845	13.1	20.3
5 11	13 34.77	+22 34.7	2.066	2.853	15.0	20.5
5 21	13 30.70	+21 59.1	2.151	2.861	16.7	20.6

319242 2006 AG_{45} 4 19.1 204°.50 2°.4/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.90	− 6 25.6	2.354	3.161	12.2	21.4
3 22	14 9.46	− 5 39.9	2.262	3.156	9.4	21.2
4 1	14 3.15	− 4 47.3	2.193	3.150	6.3	21.0
4 11	13 55.49	− 3 51.8	2.152	3.144	3.2	20.8
4 21	13 47.16	− 2 58.2	2.141	3.137	2.9	20.7
5 1	13 38.98	− 2 11.4	2.158	3.129	5.9	20.9
5 11	13 31.71	− 1 35.7	2.203	3.121	9.2	21.1
5 21	13 25.94	− 1 13.6	2.271	3.113	12.2	21.3

436324 2010 GZ_{6} 4 19.1 305°.36 10°.0/ 9.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.12	−41 44.3	0.552	1.368	38.0	20.3
3 22	14 12.04	−33 30.6	0.440	1.347	31.1	19.6
4 1	14 7.99	−19 12.9	0.353	1.327	19.0	18.7
4 11	13 58.72	+ 1 59.2	0.312	1.306	10.9	18.1
4 21	13 46.31	+24 9.7	0.331	1.287	27.4	18.8
5 1	13 34.02	+40 0.3	0.397	1.269	41.6	19.5
5 11	13 24.93	+49 18.5	0.484	1.252	49.8	20.2
5 21	13 20.65	+54 31.0	0.576	1.237	54.0	20.6

264102 2009 SE_{305} 4 19.1 75°.09 1°.6/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.90	−19 23.7	2.745	3.515	11.6	20.9
3 22	14 5.40	−19 3.9	2.653	3.518	9.3	20.8
4 1	14 0.32	−18 31.9	2.583	3.521	6.5	20.6
4 11	13 54.16	−17 49.2	2.540	3.524	3.6	20.4
4 21	13 47.49	−16 58.3	2.525	3.527	1.6	20.3
5 1	13 40.97	−16 3.2	2.540	3.530	3.6	20.4
5 11	13 35.23	−15 8.3	2.583	3.533	6.5	20.6
5 21	13 30.77	−14 17.8	2.652	3.536	9.2	20.8

26868 1993 RS_{3} 4 19.1 165°.30 0°.1/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.16	−15 45.0	2.381	3.162	12.8	19.3
3 22	14 9.61	−14 56.0	2.292	3.169	10.1	19.2
4 1	14 3.19	−13 53.7	2.226	3.174	6.8	19.0
4 11	13 55.48	−12 41.0	2.188	3.179	3.2	18.7
4 21	13 47.20	−11 22.5	2.179	3.183	0.7	18.5
5 1	13 39.14	−10 3.9	2.200	3.187	4.4	18.8
5 11	13 32.06	− 8 51.2	2.250	3.189	8.0	19.0
5 21	13 26.53	− 7 49.1	2.326	3.191	11.1	19.2

211858 2004 GN_{14} 4 19.1 7°.41 1°.7/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 8.70	−10 15.4	1.974	2.792	13.8	20.0
3 22	14 5.77	− 9 19.1	1.892	2.793	10.6	19.8
4 1	14 0.82	− 8 11.5	1.833	2.794	7.0	19.6
4 11	13 54.46	− 6 57.1	1.801	2.795	3.2	19.3
4 21	13 47.43	− 5 42.2	1.796	2.797	2.3	19.3
5 1	13 40.62	− 4 33.3	1.818	2.798	6.0	19.5
5 11	13 34.85	− 3 36.3	1.867	2.800	9.7	19.7
5 21	13 30.73	− 2 55.0	1.939	2.803	13.0	19.9

392083 2009 DN_{56} 4 19.1 327°.33 10°.4/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.62	+11 55.1	1.831	2.670	13.8	20.1
3 22	14 4.42	+14 29.4	1.765	2.656	11.8	20.0
4 1	14 0.09	+17 0.4	1.723	2.643	10.5	19.9
4 11	13 54.18	+19 16.1	1.707	2.630	10.6	19.8
4 21	13 47.49	+21 6.1	1.716	2.617	12.1	19.9
5 1	13 40.95	+22 23.1	1.748	2.605	14.3	20.0
5 11	13 35.47	+23 4.3	1.800	2.594	16.6	20.1
5 21	13 31.71	+23 11.3	1.868	2.583	18.8	20.3

423695 2006 AB_{33} 4 19.1 123°.92 6°.6/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.33	−31 59.4	2.156	2.863	16.2	21.4
3 22	14 12.67	−32 31.3	2.070	2.874	13.9	21.3
4 1	14 5.56	−32 42.6	2.004	2.885	11.2	21.1
4 11	13 56.67	−32 30.9	1.960	2.896	8.7	21.0
4 21	13 46.92	−31 56.2	1.942	2.906	6.9	20.9
5 1	13 37.43	−31 1.5	1.950	2.916	6.9	20.9
5 11	13 29.22	−29 53.2	1.985	2.925	8.8	21.0
5 21	13 23.03	−28 39.2	2.045	2.934	11.3	21.2

303748 2005 QG_{101} 4 19.1 198°.24 0°.1/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 10.58	−13 20.9	2.781	3.569	11.0	21.6
3 22	14 6.64	−12 51.7	2.685	3.567	8.6	21.4
4 1	14 1.14	−12 13.3	2.613	3.564	5.8	21.2
4 11	13 54.55	−11 28.0	2.569	3.561	2.6	21.0
4 21	13 47.42	−10 39.0	2.553	3.558	0.7	20.8
5 1	13 40.43	− 9 50.1	2.568	3.554	3.9	21.1
5 11	13 34.18	− 9 5.4	2.611	3.550	7.0	21.3
5 21	13 29.18	− 8 28.3	2.680	3.546	9.7	21.4

237285 2008 XT_{17} 4 19.1 308°.13 1°.0/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.85	−10 59.5	2.032	2.841	13.8	20.9
3 22	14 8.18	−10 28.1	1.946	2.841	10.7	20.7
4 1	14 2.44	− 9 46.3	1.883	2.840	7.1	20.5
4 11	13 55.21	− 8 57.6	1.846	2.840	3.2	20.2
4 21	13 47.27	− 8 6.5	1.837	2.840	1.5	20.1
5 1	13 39.52	− 7 18.4	1.855	2.839	5.4	20.3
5 11	13 32.82	− 6 38.6	1.900	2.839	9.2	20.6
5 21	13 27.81	− 6 10.6	1.969	2.839	12.6	20.8

522778 2016 NG_{77} 4 19.1 286°.86 1°.5/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.42	− 8 55.5	2.222	3.032	12.7	21.7
3 22	14 7.66	− 8 25.8	2.135	3.030	9.9	21.5
4 1	14 2.00	− 7 48.2	2.071	3.029	6.5	21.3
4 11	13 54.99	− 7 6.0	2.034	3.027	3.0	21.1
4 21	13 47.33	− 6 23.5	2.024	3.026	1.9	21.0
5 1	13 39.83	− 5 45.2	2.044	3.024	5.3	21.2
5 11	13 33.29	− 5 15.5	2.090	3.023	8.8	21.4
5 21	13 28.27	− 4 57.1	2.160	3.022	11.9	21.6

499554 2010 RM_{143} 4 19.1 244°.56 2°.0/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.74	−18 8.3	1.903	2.685	15.6	22.8
3 22	14 12.48	−18 5.7	1.796	2.670	12.6	22.6
4 1	14 5.65	−17 47.6	1.711	2.654	8.9	22.3
4 11	13 56.83	−17 14.5	1.651	2.637	4.9	22.0
4 21	13 46.88	−16 28.9	1.617	2.620	2.0	21.8
5 1	13 36.92	−15 35.6	1.612	2.602	5.2	21.9
5 11	13 28.10	−14 41.4	1.634	2.584	9.6	22.2
5 21	13 21.28	−13 52.7	1.679	2.565	13.6	22.4

391044 2005 TY_{123} 4 19.1 238°.33 0°.3/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.57	−15 14.4	2.500	3.289	12.1	21.9
3 22	14 6.07	−14 39.8	2.404	3.286	9.5	21.7
4 1	14 0.86	−13 53.4	2.332	3.282	6.4	21.5
4 11	13 54.45	−12 57.8	2.287	3.279	3.0	21.3
4 21	13 47.45	−11 56.6	2.271	3.275	0.6	21.1
5 1	13 40.60	−10 54.6	2.284	3.272	4.1	21.3
5 11	13 34.58	− 9 56.7	2.324	3.268	7.5	21.5
5 21	13 29.93	− 9 7.3	2.390	3.264	10.5	21.7

222704 2002 AY_{74} 4 19.1 210°.51 0°.7/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.41	−11 3.1	2.311	3.106	12.8	21.4
3 22	14 10.75	−10 41.3	2.213	3.099	10.0	21.2
4 1	14 4.09	−10 10.4	2.139	3.092	6.7	21.0
4 11	13 55.97	− 9 33.1	2.091	3.084	3.0	20.8
4 21	13 47.10	− 8 52.8	2.072	3.076	1.2	20.6
5 1	13 38.35	− 8 14.0	2.083	3.067	4.9	20.8
5 11	13 30.53	− 7 41.0	2.121	3.057	8.6	21.0
5 21	13 24.30	− 7 17.5	2.185	3.047	11.8	21.2

359206 2009 DN_{67} 4 19.1 191°.75 0°.4/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.09	−14 38.0	2.471	3.258	12.3	21.8
3 22	14 8.03	−14 18.9	2.377	3.257	9.6	21.6
4 1	14 2.18	−13 49.3	2.307	3.256	6.5	21.4
4 11	13 55.06	−13 11.2	2.263	3.254	3.1	21.1
4 21	13 47.32	−12 27.7	2.248	3.253	0.7	20.9
5 1	13 39.72	−11 42.9	2.262	3.251	4.2	21.2
5 11	13 33.00	−11 1.2	2.305	3.248	7.5	21.4
5 21	13 27.71	−10 26.6	2.372	3.246	10.6	21.6

83524 2001 ST_{148} 4 19.1 244°.20 3°.4/22.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.90	−22 41.1	2.391	3.145	13.6	19.5
3 22	14 9.71	−22 57.1	2.287	3.137	11.1	19.3
4 1	14 3.48	−22 59.1	2.206	3.130	8.3	19.1
4 11	13 55.73	−22 46.8	2.149	3.122	5.4	18.9
4 21	13 47.16	−22 21.1	2.121	3.114	3.4	18.7
5 1	13 38.65	−21 44.9	2.120	3.105	4.7	18.8
5 11	13 31.08	−21 3.1	2.147	3.097	7.6	19.0
5 21	13 25.09	−20 20.7	2.199	3.088	10.7	19.1

87481 2000 QC_{144} 4 19.1 132°.22 0°.2/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.72	−13 22.6	2.110	2.903	13.9	19.8
3 22	14 11.04	−13 8.8	2.029	2.913	10.9	19.6
4 1	14 4.27	−12 44.4	1.971	2.923	7.3	19.4
4 11	13 56.03	−12 11.6	1.940	2.932	3.4	19.2
4 21	13 47.11	−11 33.9	1.936	2.941	0.7	19.0
5 1	13 38.46	−10 55.8	1.962	2.949	4.8	19.3
5 11	13 30.93	−10 22.2	2.014	2.957	8.5	19.6
5 21	13 25.13	− 9 56.8	2.092	2.965	11.8	19.8

80040 1999 JT_{31} 4 19.1 323°.67 0°.2/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 9.33	−13 21.0	1.883	2.695	14.6	19.4
3 22	14 6.56	−12 55.5	1.786	2.681	11.5	19.2
4 1	14 1.57	−12 16.8	1.711	2.668	7.8	18.9
4 11	13 54.90	−11 27.6	1.661	2.655	3.6	18.7
4 21	13 47.36	−10 32.5	1.638	2.642	0.9	18.4
5 1	13 39.91	− 9 37.4	1.642	2.630	5.4	18.7
5 11	13 33.51	− 8 48.5	1.671	2.618	9.6	18.9
5 21	13 28.88	− 8 10.9	1.724	2.607	13.4	19.1

430267 2013 WM_{42} 4 19.1 201°.44 2°.0/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.44	− 6 59.4	2.027	2.839	13.7	21.2
3 22	14 10.18	− 6 37.5	1.942	2.839	10.6	21.0
4 1	14 3.79	− 6 9.0	1.880	2.838	7.0	20.8
4 11	13 55.85	− 5 37.6	1.844	2.837	3.4	20.5
4 21	13 47.16	− 5 7.5	1.836	2.836	2.5	20.5
5 1	13 38.67	− 4 43.1	1.856	2.835	6.0	20.7
5 11	13 31.26	− 4 28.5	1.903	2.834	9.7	20.9
5 21	13 25.59	− 4 26.0	1.973	2.833	13.0	21.1

133884 2004 PK_{91} 4 19.1 131°.91 1°.6/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.73	−10 15.2	2.428	3.228	12.1	20.3
3 22	14 8.35	− 9 8.0	2.352	3.243	9.3	20.1
4 1	14 2.27	− 7 51.4	2.301	3.257	6.1	19.9
4 11	13 55.05	− 6 29.8	2.278	3.271	2.8	19.8
4 21	13 47.36	− 5 8.5	2.285	3.285	2.1	19.7
5 1	13 39.94	− 3 53.4	2.322	3.298	5.2	20.0
5 11	13 33.48	− 2 49.2	2.387	3.310	8.4	20.2
5 21	13 28.46	− 1 59.3	2.477	3.321	11.2	20.4

192905 1999 XU_{210} 4 19.1 136°.04 5°.8/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.64	−33 35.3	2.778	3.455	13.5	21.5
3 22	14 12.33	−33 58.9	2.690	3.470	11.6	21.4
4 1	14 5.04	−34 4.9	2.621	3.485	9.5	21.2
4 11	13 56.36	−33 51.5	2.577	3.500	7.5	21.1
4 21	13 47.05	−33 19.0	2.559	3.513	6.0	21.0
5 1	13 37.96	−32 29.8	2.570	3.526	6.0	21.1
5 11	13 29.91	−31 28.8	2.608	3.539	7.4	21.2
5 21	13 23.49	−30 21.8	2.673	3.550	9.4	21.3

249181 2008 CS_{117} 4 19.1 283°.83 3°.9/22.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.85	−23 57.3	2.356	3.107	13.8	20.8
3 22	14 8.96	−24 16.5	2.253	3.099	11.4	20.6
4 1	14 3.01	−24 20.9	2.173	3.092	8.7	20.4
4 11	13 55.53	−24 10.0	2.117	3.085	5.8	20.2
4 21	13 47.22	−23 44.6	2.088	3.078	3.9	20.1
5 1	13 38.99	−23 7.5	2.087	3.070	4.9	20.1
5 11	13 31.69	−22 23.6	2.113	3.063	7.7	20.3
5 21	13 26.01	−21 38.3	2.164	3.056	10.7	20.5

19414 1998 FP_{32} 4 19.1 222°.27 1°.4/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.39	−16 57.7	2.041	2.822	14.7	18.7
3 22	14 12.72	−16 49.0	1.938	2.811	11.8	18.5
4 1	14 5.67	−16 26.2	1.856	2.800	8.2	18.3
4 11	13 56.79	−15 50.5	1.800	2.788	4.3	18.0
4 21	13 46.93	−15 4.7	1.772	2.775	1.4	17.7
5 1	13 37.13	−14 13.4	1.772	2.762	4.9	18.0
5 11	13 28.42	−13 22.8	1.801	2.747	9.1	18.2
5 21	13 21.59	−12 38.6	1.853	2.732	12.8	18.4

401824 1998 QG_{71} 4 19.1 291°.01 6°.6/22.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.78	−25 5.2	1.415	2.195	20.1	21.0
3 22	14 13.14	−25 47.7	1.304	2.166	17.1	20.7
4 1	14 7.01	−26 9.2	1.210	2.137	13.4	20.3
4 11	13 57.83	−26 5.1	1.137	2.107	9.4	20.0
4 21	13 46.62	−25 33.0	1.087	2.077	6.7	19.8
5 1	13 34.98	−24 35.1	1.061	2.046	8.1	19.8
5 11	13 24.73	−23 20.0	1.058	2.016	12.5	19.9
5 21	13 17.29	−21 59.6	1.076	1.986	17.4	20.1

82933 2001 QU_{112} 4 19.1 206°.14 2°.1/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.62	−21 3.0	2.548	3.310	12.6	19.3
3 22	14 7.71	−20 46.2	2.448	3.307	10.2	19.1
4 1	14 2.00	−20 15.1	2.370	3.303	7.3	18.9
4 11	13 55.00	−19 30.7	2.318	3.299	4.3	18.7
4 21	13 47.37	−18 35.7	2.295	3.295	2.1	18.5
5 1	13 39.88	−17 34.0	2.301	3.290	4.0	18.7
5 11	13 33.25	−16 31.1	2.335	3.285	7.1	18.8
5 21	13 28.05	−15 31.9	2.395	3.280	10.1	19.0

347125 2010 JN_{164} 4 19.1 81°.21 3°.1/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.88	− 2 58.9	2.111	2.927	13.1	20.9
3 22	14 10.32	− 2 36.5	2.036	2.934	10.1	20.7
4 1	14 3.75	− 2 11.2	1.985	2.942	6.8	20.5
4 11	13 55.79	− 1 46.9	1.960	2.950	3.8	20.4
4 21	13 47.21	− 1 27.9	1.963	2.957	3.6	20.4
5 1	13 38.90	− 1 17.7	1.995	2.965	6.4	20.6
5 11	13 31.67	− 1 19.1	2.053	2.972	9.7	20.8
5 21	13 26.11	− 1 33.2	2.134	2.980	12.7	21.0

28332 1999 DU_1 4 19.1 166°.04 2°.0/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 16.84	− 6 57.4	2.231	3.034	12.9	19.8
3 22	14 11.78	− 6 29.1	2.148	3.039	10.0	19.6
4 1	14 4.72	− 5 54.4	2.088	3.044	6.6	19.4
4 11	13 56.24	− 5 17.1	2.056	3.048	3.2	19.2
4 21	13 47.11	− 4 41.1	2.052	3.051	2.5	19.2
5 1	13 38.21	− 4 10.8	2.078	3.054	5.7	19.4
5 11	13 30.36	− 3 50.1	2.131	3.056	9.1	19.6
5 21	13 24.15	− 3 41.1	2.208	3.058	12.2	19.8

346146 2007 VK_{238} 4 19.1 54°.36 1°.2/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.67	− 9 12.3	2.060	2.871	13.6	20.9
3 22	14 8.71	− 8 52.1	1.983	2.879	10.5	20.7
4 1	14 2.74	− 8 24.0	1.929	2.887	6.9	20.5
4 11	13 55.35	− 7 51.3	1.901	2.895	3.1	20.3
4 21	13 47.32	− 7 18.0	1.901	2.903	1.7	20.2
5 1	13 39.54	− 6 48.7	1.929	2.912	5.3	20.5
5 11	13 32.84	− 6 27.3	1.983	2.920	9.0	20.7
5 21	13 27.81	− 6 16.6	2.061	2.929	12.2	20.9

436716 2011 UN_{97} 4 19.1 258°.50 1°.1/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.34	−16 54.3	2.440	3.222	12.6	21.7
3 22	14 7.59	−16 40.2	2.337	3.211	10.0	21.5
4 1	14 1.99	−16 14.0	2.256	3.201	7.0	21.3
4 11	13 55.04	−15 37.3	2.202	3.190	3.6	21.1
4 21	13 47.38	−14 52.7	2.176	3.179	1.2	20.9
5 1	13 39.81	−14 4.2	2.178	3.168	4.1	21.1
5 11	13 33.08	−13 16.8	2.209	3.157	7.6	21.3
5 21	13 27.80	−12 34.9	2.265	3.146	10.7	21.4

159290 2006 AU_{77} 4 19.1 141°.94 1°.0/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.31	−11 14.6	1.993	2.800	14.1	20.9
3 22	14 9.33	−10 39.9	1.911	2.804	11.0	20.7
4 1	14 3.22	− 9 54.4	1.851	2.808	7.3	20.5
4 11	13 55.59	− 9 1.6	1.818	2.812	3.2	20.3
4 21	13 47.27	− 8 6.5	1.812	2.816	1.5	20.1
5 1	13 39.18	− 7 14.6	1.835	2.819	5.5	20.4
5 11	13 32.21	− 6 31.4	1.884	2.822	9.3	20.6
5 21	13 26.99	− 6 0.6	1.957	2.825	12.7	20.9

58484 1996 TO_3 4 19.1 253°.24 4°.5/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.26	−26 6.8	2.300	3.042	14.4	19.0
3 22	14 9.36	−26 23.7	2.199	3.036	12.0	18.8
4 1	14 3.33	−26 24.0	2.119	3.030	9.3	18.7
4 11	13 55.70	−26 6.7	2.062	3.024	6.5	18.5
4 21	13 47.23	−25 32.6	2.033	3.018	4.6	18.3
5 1	13 38.86	−24 44.8	2.031	3.012	5.3	18.4
5 11	13 31.48	−23 48.8	2.056	3.006	7.9	18.5
5 21	13 25.80	−22 50.6	2.107	3.000	10.9	18.7

425965 2011 HT_{31} 4 19.1 45°.57 1°.0/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.49	−12 53.2	1.820	2.633	15.0	21.0
3 22	14 7.34	−11 56.5	1.740	2.637	11.6	20.8
4 1	14 1.98	−10 45.1	1.682	2.640	7.7	20.6
4 11	13 55.05	− 9 23.8	1.650	2.644	3.4	20.3
4 21	13 47.40	− 7 59.0	1.645	2.648	1.7	20.2
5 1	13 40.02	− 6 38.5	1.668	2.652	5.9	20.5
5 11	13 33.81	− 5 29.3	1.717	2.657	9.9	20.7
5 21	13 29.43	− 4 36.2	1.789	2.661	13.5	21.0

432529 2010 GU_{118} 4 19.1 321°.87 0°.1/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.28	−12 25.0	1.945	2.750	14.5	21.5
3 22	14 9.52	−12 23.0	1.853	2.744	11.4	21.2
4 1	14 3.50	−12 10.9	1.783	2.738	7.7	21.0
4 11	13 55.79	−11 50.8	1.739	2.732	3.6	20.7
4 21	13 47.22	−11 25.7	1.721	2.726	0.8	20.5
5 1	13 38.76	−10 59.9	1.732	2.720	5.1	20.8
5 11	13 31.40	−10 38.2	1.768	2.715	9.2	21.0
5 21	13 25.85	−10 24.5	1.828	2.710	12.8	21.2

388662 2007 TO_{328} 4 19.1 192°.74 0°.9/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.30	−14 52.4	2.528	3.306	12.3	21.7
3 22	14 10.52	−14 56.4	2.432	3.305	9.7	21.6
4 1	14 3.88	−14 51.2	2.358	3.303	6.7	21.4
4 11	13 55.88	−14 37.9	2.312	3.301	3.3	21.1
4 21	13 47.21	−14 18.5	2.295	3.299	1.0	20.9
5 1	13 38.65	−13 56.1	2.307	3.296	4.0	21.2
5 11	13 30.97	−13 34.3	2.348	3.293	7.4	21.4
5 21	13 24.76	−13 16.6	2.415	3.289	10.4	21.6

499540 2010 RG_{103} 4 19.1 247°.99 0°.9/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.42	−15 35.2	1.736	2.535	16.2	22.3
3 22	14 11.58	−15 24.0	1.640	2.525	12.9	22.0
4 1	14 5.10	−14 57.8	1.565	2.515	8.9	21.8
4 11	13 56.61	−14 18.1	1.514	2.505	4.4	21.5
4 21	13 47.03	−13 28.7	1.490	2.494	1.1	21.2
5 1	13 37.53	−12 35.4	1.493	2.483	5.6	21.5
5 11	13 29.29	−11 45.3	1.522	2.471	10.2	21.7
5 21	13 23.16	−11 4.4	1.574	2.460	14.3	21.9

435995 2009 FL_{13} 4 19.1 355°.32 2°.9/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 14.69	−20 3.1	2.226	2.995	14.0	21.0
3 22	14 10.40	−20 25.6	2.133	2.995	11.4	20.8
4 1	14 3.98	−20 35.5	2.062	2.994	8.3	20.6
4 11	13 55.99	−20 32.4	2.016	2.994	5.0	20.4
4 21	13 47.19	−20 17.7	1.997	2.994	2.9	20.3
5 1	13 38.51	−19 54.1	2.006	2.994	4.7	20.4
5 11	13 30.85	−19 26.2	2.043	2.994	7.9	20.6
5 21	13 24.88	−18 58.7	2.105	2.994	11.1	20.8

59662 1999 JN_{96} 4 19.1 275°.91 1°.8/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.71	−11 18.8	1.886	2.701	14.5	18.9
3 22	14 7.63	−10 11.5	1.785	2.684	11.3	18.6
4 1	14 2.31	− 8 48.8	1.707	2.667	7.5	18.3
4 11	13 55.28	− 7 15.5	1.655	2.649	3.4	18.0
4 21	13 47.35	− 5 38.5	1.631	2.632	2.5	17.9
5 1	13 39.50	− 4 6.0	1.634	2.614	6.6	18.2
5 11	13 32.70	− 2 46.2	1.664	2.596	10.8	18.4
5 21	13 27.68	− 1 44.4	1.717	2.578	14.5	18.5

108731 2001 OB_{31} 4 19.1 251°.87 2°.3/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.78	− 5 55.0	2.274	3.085	12.4	20.2
3 22	14 8.73	− 5 24.1	2.179	3.076	9.6	20.0
4 1	14 2.77	− 4 47.4	2.109	3.067	6.4	19.7
4 11	13 55.41	− 4 8.4	2.065	3.057	3.3	19.5
4 21	13 47.33	− 3 31.5	2.050	3.047	2.8	19.5
5 1	13 39.37	− 3 1.1	2.063	3.037	5.9	19.6
5 11	13 32.32	− 2 40.9	2.103	3.027	9.3	19.8
5 21	13 26.78	− 2 33.3	2.166	3.017	12.3	20.0

397186 2006 BU_{21} 4 19.1 185°.38 4°.8/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.71	− 3 19.6	1.587	2.418	16.0	21.3
3 22	14 11.71	− 2 11.2	1.512	2.418	12.4	21.1
4 1	14 5.08	− 0 55.2	1.458	2.418	8.5	20.8
4 11	13 56.54	+ 0 20.9	1.430	2.417	5.3	20.6
4 21	13 47.08	+ 1 28.8	1.428	2.416	5.6	20.6
5 1	13 37.92	+ 2 20.7	1.452	2.415	9.1	20.8
5 11	13 30.16	+ 2 51.4	1.500	2.413	13.0	21.1
5 21	13 24.57	+ 2 59.3	1.569	2.411	16.6	21.3

289868 2005 MF_{16} 4 19.2 263°.34 5°.7/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.29	−33 12.3	2.597	3.291	14.0	21.0
3 22	14 8.53	−33 13.1	2.479	3.274	12.1	20.8
4 1	14 2.74	−32 53.9	2.380	3.257	9.9	20.6
4 11	13 55.44	−32 13.0	2.305	3.239	7.6	20.4
4 21	13 47.33	−31 10.8	2.256	3.221	6.0	20.3
5 1	13 39.30	−29 50.2	2.235	3.203	6.0	20.2
5 11	13 32.19	−28 17.0	2.242	3.185	7.8	20.3
5 21	13 26.67	−26 38.6	2.275	3.166	10.2	20.4

101753 1999 FT_{19} 4 19.2 79°.12 4°.3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.81	− 5 22.0	1.695	2.526	15.1	19.8
3 22	14 8.33	− 3 46.5	1.633	2.540	11.6	19.6
4 1	14 2.59	− 2 1.9	1.594	2.555	7.8	19.4
4 11	13 55.31	− 0 16.6	1.581	2.569	4.7	19.2
4 21	13 47.39	+ 1 20.3	1.595	2.583	5.2	19.3
5 1	13 39.88	+ 2 40.6	1.636	2.598	8.4	19.5
5 11	13 33.66	+ 3 38.9	1.703	2.612	12.0	19.8
5 21	13 29.35	+ 4 13.2	1.790	2.626	15.1	20.0

341026 2007 GK_{15} 4 19.2 281°.55 2°.5/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 3.47	− 0 30.7	4.391	5.204	6.9	21.2
3 22	14 0.64	+ 0 23.3	4.299	5.195	5.3	21.1
4 1	13 56.92	+ 1 19.0	4.234	5.186	3.7	21.0
4 11	13 52.60	+ 2 13.4	4.197	5.177	2.6	20.9
4 21	13 48.00	+ 3 4.1	4.191	5.168	2.9	20.9
5 1	13 43.46	+ 3 48.4	4.215	5.160	4.3	21.0
5 11	13 39.33	+ 4 24.3	4.266	5.151	6.0	21.1
5 21	13 35.87	+ 4 50.6	4.342	5.142	7.5	21.2

377131 2003 GW_{56} 4 19.2 300°.78 4°.4/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.05	− 3 10.5	1.679	2.513	15.1	20.4
3 22	14 8.92	− 2 17.7	1.589	2.497	11.8	20.1
4 1	14 3.30	− 1 17.9	1.520	2.481	8.1	19.9
4 11	13 55.78	− 0 17.2	1.477	2.465	4.9	19.6
4 21	13 47.26	+ 0 37.1	1.459	2.449	5.2	19.6
5 1	13 38.82	+ 1 18.0	1.467	2.434	8.6	19.8
5 11	13 31.57	+ 1 40.2	1.499	2.418	12.6	19.9
5 21	13 26.31	+ 1 41.4	1.552	2.403	16.3	20.1

417426 2006 KS_{50} 4 19.2 255°.36 0°.5/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.67	−15 50.4	1.761	2.561	16.0	22.5
3 22	14 11.03	−15 20.8	1.658	2.544	12.7	22.3
4 1	14 4.78	−14 34.1	1.575	2.527	8.8	22.0
4 11	13 56.51	−13 32.2	1.517	2.509	4.2	21.7
4 21	13 47.10	−12 19.9	1.486	2.491	0.9	21.4
5 1	13 37.72	−11 4.0	1.483	2.472	5.7	21.7
5 11	13 29.53	− 9 52.9	1.505	2.453	10.5	21.9
5 21	13 23.39	− 8 53.5	1.551	2.433	14.7	22.1

138782 2000 SV_{344} 4 19.2 194°.08 4°.0/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 12.06	+ 2 39.5	3.046	3.854	9.7	20.9
3 22	14 7.59	+ 3 24.0	2.961	3.851	7.6	20.7
4 1	14 1.70	+ 4 8.4	2.902	3.848	5.5	20.6
4 11	13 54.84	+ 4 48.9	2.871	3.845	4.1	20.5
4 21	13 47.52	+ 5 21.8	2.870	3.841	4.5	20.5
5 1	13 40.34	+ 5 44.1	2.897	3.836	6.3	20.6
5 11	13 33.85	+ 5 53.6	2.952	3.831	8.5	20.8
5 21	13 28.49	+ 5 49.8	3.031	3.826	10.5	20.9

357939 2005 YU_{36} 4 19.2 187°.93 2°.5/21.0 16

3 12	14 18.49	−19 28.8	1.765	2.545	16.7	22.2
3 22	14 13.91	−19 27.5	1.674	2.545	13.5	21.9
4 1	14 6.63	−19 9.0	1.604	2.544	9.7	21.7
4 11	13 57.31	−18 33.6	1.558	2.542	5.4	21.4
4 21	13 46.95	−17 44.0	1.539	2.540	2.5	21.2
5 1	13 36.78	−16 45.8	1.547	2.537	5.4	21.4
5 11	13 27.97	−15 46.4	1.583	2.534	9.7	21.7
5 21	13 21.37	−14 52.9	1.641	2.530	13.7	21.9

295863 2008 WA_{4} 4 19.2 115°.16 0°.5/18.8 18

3 12	14 16.02	−13 18.7	1.464	2.281	17.8	21.6
3 22	14 12.21	−12 46.8	1.390	2.288	14.0	21.4
4 1	14 5.55	−11 58.9	1.337	2.294	9.4	21.2
4 11	13 56.80	−10 58.9	1.307	2.301	4.2	20.9
4 21	13 47.09	− 9 53.1	1.303	2.307	1.3	20.7
5 1	13 37.74	− 8 49.6	1.325	2.313	6.5	21.0
5 11	13 29.97	− 7 56.2	1.372	2.319	11.3	21.3
5 21	13 24.59	− 7 18.4	1.441	2.325	15.5	21.6

179330 2001 WL_{67} 4 19.2 184°.48 0°.1/19.1 18

3 12	14 11.81	−13 12.6	2.650	3.439	11.5	21.7
3 22	14 7.69	−12 48.7	2.557	3.439	9.0	21.5
4 1	14 1.92	−12 15.4	2.488	3.438	6.0	21.3
4 11	13 54.99	−11 35.3	2.445	3.438	2.8	21.1
4 21	13 47.50	−10 51.2	2.432	3.437	0.7	20.9
5 1	13 40.15	−10 7.3	2.449	3.435	4.0	21.2
5 11	13 33.61	− 9 27.5	2.494	3.434	7.2	21.4
5 21	13 28.39	− 8 55.1	2.564	3.432	10.1	21.6

103041 1999 XN_{121} 4 19.2 258°.66 1°.9/17.5 18

3 12	14 15.97	− 6 44.1	2.248	3.052	12.8	20.0
3 22	14 11.37	− 6 25.2	2.140	3.032	10.0	19.8
4 1	14 4.67	− 6 0.2	2.056	3.012	6.7	19.6
4 11	13 56.37	− 5 32.2	1.998	2.991	3.3	19.3
4 21	13 47.17	− 5 4.8	1.969	2.969	2.4	19.2
5 1	13 37.96	− 4 42.3	1.970	2.947	5.8	19.4
5 11	13 29.64	− 4 28.5	1.997	2.925	9.5	19.6
5 21	13 22.92	− 4 26.0	2.049	2.902	12.8	19.7

174049 2002 BQ_{23} 4 19.2 48°.84 1°.9/20.6 17

3 12	14 16.25	−16 14.9	2.105	2.888	14.3	19.5
3 22	14 11.56	−16 41.5	2.027	2.901	11.3	19.3
4 1	14 4.71	−16 57.6	1.970	2.913	7.9	19.2
4 11	13 56.32	−17 3.4	1.940	2.926	4.3	19.0
4 21	13 47.21	−17 0.5	1.937	2.939	1.9	18.8
5 1	13 38.33	−16 51.7	1.963	2.952	4.5	19.0
5 11	13 30.59	−16 41.0	2.016	2.966	8.0	19.2
5 21	13 24.64	−16 32.2	2.093	2.979	11.2	19.5

165349 2000 WL_{16} 4 19.2 55°.07 0°.7/18.8 18

3 12	14 18.01	−11 12.1	1.284	2.111	19.2	19.9
3 22	14 13.84	−11 2.4	1.230	2.134	14.9	19.7
4 1	14 6.59	−10 39.7	1.196	2.156	9.9	19.5
4 11	13 57.21	−10 8.2	1.185	2.179	4.4	19.2
4 21	13 47.03	− 9 33.3	1.198	2.202	1.4	19.1
5 1	13 37.48	− 9 1.8	1.237	2.226	6.7	19.5
5 11	13 29.82	− 8 39.8	1.300	2.249	11.6	19.8
5 21	13 24.78	− 8 31.0	1.384	2.273	15.7	20.1

236157 2005 UB_{344} 4 19.2 67°.82 1°.9/20.3 18

3 12	14 19.65	−15 48.4	1.281	2.095	20.1	20.5
3 22	14 15.43	−16 6.1	1.217	2.109	15.9	20.3
4 1	14 7.88	−16 7.2	1.172	2.124	11.0	20.1
4 11	13 57.91	−15 52.7	1.149	2.139	5.7	19.8
4 21	13 46.85	−15 25.9	1.151	2.154	2.0	19.6
5 1	13 36.32	−14 52.9	1.178	2.170	6.4	19.9
5 11	13 27.71	−14 21.5	1.229	2.185	11.4	20.2
5 21	13 21.93	−13 58.1	1.301	2.200	15.8	20.5

235910 2005 EO_{25} 4 19.2 121°.13 1°.1/18.1 17

3 12	14 12.27	−10 22.9	2.105	2.913	13.4	21.0
3 22	14 8.44	− 9 50.2	2.022	2.916	10.4	20.8
4 1	14 2.60	− 9 7.9	1.962	2.919	6.9	20.6
4 11	13 55.35	− 8 19.6	1.928	2.922	3.1	20.4
4 21	13 47.44	− 7 29.8	1.923	2.925	1.7	20.3
5 1	13 39.74	− 6 43.6	1.945	2.928	5.3	20.5
5 11	13 33.07	− 6 5.9	1.994	2.931	9.0	20.7
5 21	13 28.03	− 5 40.0	2.067	2.934	12.2	20.9

351998 2006 UF_{203} 4 19.2 182°.87 3°.3/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 13.61	− 0 55.8	2.711	3.519	10.7	21.6
3 22	14 8.96	− 0 25.6	2.626	3.519	8.3	21.4
4 1	14 2.70	+ 0 6.2	2.566	3.519	5.7	21.2
4 11	13 55.33	+ 0 35.9	2.534	3.519	3.6	21.1
4 21	13 47.45	+ 0 59.9	2.531	3.518	3.7	21.1
5 1	13 39.72	+ 1 15.2	2.558	3.517	5.9	21.2
5 11	13 32.79	+ 1 19.4	2.612	3.515	8.5	21.4
5 21	13 27.17	+ 1 11.6	2.690	3.514	11.0	21.6

501492 2014 DW 4 19.2 111°.41 2°.8/16.0 17

3 12	14 11.67	− 4 44.3	2.422	3.235	11.7	21.5
3 22	14 7.57	− 3 51.7	2.351	3.248	9.0	21.3
4 1	14 1.80	− 2 54.3	2.304	3.261	6.0	21.2
4 11	13 54.91	− 1 56.5	2.285	3.275	3.4	21.0
4 21	13 47.55	− 1 3.0	2.295	3.287	3.3	21.0
5 1	13 40.44	− 0 18.4	2.334	3.300	5.9	21.2
5 11	13 34.25	+ 0 13.9	2.400	3.312	8.8	21.4
5 21	13 29.45	+ 0 32.1	2.489	3.324	11.4	21.6

374456 2005 XN_{26} 4 19.2 145°.73 1°.5/17.9 17

3 12	14 14.39	− 9 23.4	2.032	2.840	13.8	21.7
3 22	14 10.12	− 8 52.0	1.951	2.845	10.7	21.5
4 1	14 3.75	− 8 11.6	1.893	2.850	7.1	21.3
4 11	13 55.88	− 7 25.9	1.861	2.855	3.2	21.0
4 21	13 47.32	− 6 39.7	1.857	2.859	2.0	21.0
5 1	13 39.00	− 5 58.0	1.882	2.863	5.6	21.2
5 11	13 31.79	− 5 25.5	1.933	2.867	9.4	21.4
5 21	13 26.32	− 5 5.5	2.008	2.870	12.7	21.7

336286 2008 SD_{271} 4 19.2 207°.68 1°.9/21.0 17

3 12	14 12.69	−19 24.1	2.145	2.922	14.2	21.9
3 22	14 8.90	−19 8.6	2.051	2.920	11.4	21.7
4 1	14 3.00	−18 37.9	1.978	2.918	8.1	21.5
4 11	13 55.57	−17 53.0	1.931	2.916	4.5	21.2
4 21	13 47.39	−16 57.1	1.911	2.913	1.9	21.1
5 1	13 39.37	−15 55.2	1.920	2.910	4.5	21.2
5 11	13 32.38	−14 53.4	1.956	2.907	8.2	21.4
5 21	13 27.09	−13 57.5	2.017	2.904	11.6	21.6

36225 1999 TW_{270} 4 19.2 9°.15 3°.9/23.2 18

3 12	14 11.07	−25 16.8	2.358	3.106	13.9	18.2
3 22	14 7.53	−25 21.7	2.263	3.107	11.5	18.0
4 1	14 2.03	−25 10.0	2.190	3.107	8.7	17.9
4 11	13 55.11	−24 41.7	2.141	3.108	5.9	17.7
4 21	13 47.50	−23 58.4	2.119	3.108	3.9	17.6
5 1	13 40.03	−23 3.7	2.125	3.109	4.8	17.6
5 11	13 33.53	−22 3.1	2.158	3.110	7.4	17.8
5 21	13 28.61	−21 2.6	2.216	3.111	10.3	18.0

290851 2005 WE_{33} 4 19.2 178°.21 1°.1/18.2 17

3 12	14 16.13	− 9 35.7	2.243	3.041	13.0	21.2
3 22	14 11.32	− 9 14.9	2.155	3.043	10.1	21.0
4 1	14 4.49	− 8 46.1	2.090	3.044	6.7	20.8
4 11	13 56.22	− 8 12.3	2.052	3.045	3.0	20.6
4 21	13 47.26	− 7 37.1	2.043	3.045	1.6	20.5
5 1	13 38.48	− 7 4.9	2.063	3.045	5.1	20.7
5 11	13 30.71	− 6 39.7	2.110	3.044	8.7	20.9
5 21	13 24.57	− 6 24.5	2.182	3.042	11.9	21.1

63125 2000 WV_{174} 4 19.2 22°.17 0°.9/18.2 18

3 12	14 8.17	−13 37.1	2.157	2.963	13.2	18.7
3 22	14 5.22	−12 31.1	2.073	2.966	10.2	18.5
4 1	14 0.43	−11 11.3	2.013	2.969	6.8	18.3
4 11	13 54.35	− 9 42.3	1.979	2.973	3.0	18.1
4 21	13 47.69	− 8 9.8	1.973	2.976	1.4	17.9
5 1	13 41.24	− 6 40.9	1.997	2.980	5.1	18.2
5 11	13 35.76	− 5 22.0	2.047	2.984	8.7	18.4
5 21	13 31.79	− 4 17.7	2.122	2.989	11.9	18.6

352483 2008 BR_{41} 4 19.2 118°.52 10°.4/ 4.4 18

3 12	14 12.06	+23 40.4	2.512	3.297	12.1	20.2
3 22	14 7.94	+25 21.0	2.473	3.305	11.0	20.1
4 1	14 2.08	+26 47.8	2.458	3.312	10.4	20.1
4 11	13 55.05	+27 54.0	2.466	3.320	10.5	20.1
4 21	13 47.54	+28 34.8	2.498	3.327	11.3	20.2
5 1	13 40.32	+28 47.9	2.551	3.334	12.5	20.3
5 11	13 34.08	+28 33.9	2.624	3.341	13.8	20.4
5 21	13 29.32	+27 55.7	2.714	3.347	15.0	20.5

135177 2001 QT_{278} 4 19.2 204°.33 3°.1/22.5 17

3 12	14 16.10	−23 14.5	2.992	3.724	11.5	21.5
3 22	14 11.01	−23 34.0	2.883	3.719	9.5	21.4
4 1	14 4.19	−23 42.0	2.798	3.712	7.2	21.2
4 11	13 56.08	−23 38.1	2.739	3.706	4.7	21.0
4 21	13 47.30	−23 22.8	2.709	3.698	3.2	20.9
5 1	13 38.55	−22 58.2	2.709	3.691	4.1	21.0
5 11	13 30.56	−22 27.8	2.738	3.682	6.5	21.1
5 21	13 23.88	−21 55.5	2.794	3.673	9.0	21.3

100160 1993 TS_{27} 4 19.2 137°.89 0°.8/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 20.30	− 8 47.6	1.902	2.703	14.9	20.0
3 22	14 14.90	− 8 55.5	1.820	2.709	11.6	19.8
4 1	14 7.06	− 8 56.9	1.760	2.715	7.8	19.5
4 11	13 57.45	− 8 53.9	1.727	2.720	3.5	19.3
4 21	13 47.00	− 8 49.3	1.722	2.725	1.4	19.1
5 1	13 36.79	− 8 46.6	1.745	2.730	5.6	19.4
5 11	13 27.86	− 8 49.2	1.796	2.735	9.6	19.7
5 21	13 20.93	− 8 59.6	1.870	2.739	13.2	19.9

305583 2008 YP_{46} 4 19.2 34°.14 0°.3/19.4 18

3 12	14 14.89	−13 16.0	1.201	2.034	20.0	20.3
3 22	14 11.87	−13 14.4	1.138	2.043	15.7	20.1
4 1	14 5.59	−12 56.9	1.093	2.053	10.6	19.8
4 11	13 56.90	−12 26.4	1.070	2.064	5.0	19.5
4 21	13 47.13	−11 48.3	1.071	2.075	1.0	19.3
5 1	13 37.82	−11 9.9	1.095	2.087	6.8	19.7
5 11	13 30.38	−10 38.9	1.143	2.100	12.0	20.0
5 21	13 25.68	−10 20.8	1.212	2.113	16.6	20.3

385161 2013 UV_5 4 19.2 88°.15 1°.8/20.9 18 R

3 12	14 13.82	−19 37.3	2.043	2.821	14.8	20.8
3 22	14 9.66	−19 14.8	1.970	2.840	11.8	20.7
4 1	14 3.40	−18 36.3	1.918	2.858	8.3	20.5
4 11	13 55.70	−17 43.7	1.892	2.877	4.5	20.3
4 21	13 47.41	−16 41.1	1.893	2.895	1.8	20.1
5 1	13 39.47	−15 34.0	1.923	2.913	4.5	20.3
5 11	13 32.72	−14 28.9	1.980	2.931	8.1	20.6
5 21	13 27.74	−13 31.5	2.062	2.949	11.4	20.8

304507 2006 UU_{190} 4 19.2 139°.17 0°.0/19.2 18

3 12	14 17.48	−10 58.2	2.650	3.433	11.7	20.6
3 22	14 12.02	−11 10.1	2.562	3.440	9.1	20.4
4 1	14 4.80	−11 16.0	2.498	3.447	6.1	20.3
4 11	13 56.33	−11 17.1	2.462	3.454	2.8	20.0
4 21	13 47.26	−11 15.4	2.456	3.461	0.6	19.9
5 1	13 38.36	−11 13.0	2.481	3.467	4.0	20.1
5 11	13 30.35	−11 12.6	2.534	3.473	7.2	20.4
5 21	13 23.77	−11 16.5	2.614	3.479	10.0	20.5

423630 2005 WF_{180} 4 19.2 122°.32 4°.4/15.8 17

3 12	14 18.80	+ 0 37.5	2.009	2.823	13.7	21.5
3 22	14 13.42	+ 1 4.6	1.939	2.834	10.7	21.3
4 1	14 5.88	+ 1 31.9	1.892	2.845	7.5	21.1
4 11	13 56.84	+ 1 54.7	1.872	2.855	4.9	21.0
4 21	13 47.16	+ 2 8.4	1.880	2.865	4.9	21.0
5 1	13 37.82	+ 2 9.4	1.915	2.874	7.6	21.1
5 11	13 29.70	+ 1 55.9	1.977	2.883	10.7	21.4
5 21	13 23.43	+ 1 27.8	2.062	2.892	13.6	21.6

506469 2002 QZ_{117} 4 19.2 242°.24 0°.6/19.7 17

3 12	14 13.15	−14 50.6	2.214	3.005	13.4	22.2
3 22	14 9.19	−14 36.9	2.116	2.997	10.6	22.0
4 1	14 3.18	−14 11.7	2.040	2.989	7.3	21.8
4 11	13 55.68	−13 36.6	1.990	2.981	3.5	21.5
4 21	13 47.40	−12 54.9	1.969	2.973	0.8	21.3
5 1	13 39.22	−12 11.0	1.976	2.965	4.6	21.5
5 11	13 31.99	−11 29.9	2.010	2.956	8.3	21.7
5 21	13 26.38	−10 56.0	2.069	2.947	11.7	21.9

243729 2000 KN_9 4 19.2 298°.26 1°.6/20.2 17

3 12	14 13.08	−16 40.7	1.355	2.173	18.9	20.7
3 22	14 10.66	−16 36.6	1.257	2.153	15.3	20.4
4 1	14 5.06	−16 13.2	1.179	2.133	10.8	20.1
4 11	13 56.85	−15 31.1	1.122	2.113	5.6	19.7
4 21	13 47.09	−14 34.0	1.089	2.094	1.7	19.4
5 1	13 37.26	−13 29.2	1.082	2.074	6.6	19.7
5 11	13 28.89	−12 26.5	1.097	2.055	12.2	19.9
5 21	13 23.13	−11 34.7	1.133	2.036	17.3	20.1

213780 2003 EW_{37} 4 19.2 14°.94 2°.7/17.4 18

3 12	14 17.78	− 2 57.3	1.945	2.760	14.1	19.4
3 22	14 12.85	− 3 5.8	1.866	2.763	11.0	19.1
4 1	14 5.63	− 3 12.7	1.809	2.766	7.4	18.9
4 11	13 56.79	− 3 21.3	1.779	2.770	3.8	18.7
4 21	13 47.17	− 3 34.4	1.776	2.774	3.1	18.7
5 1	13 37.79	− 3 54.6	1.802	2.779	6.3	18.9
5 11	13 29.61	− 4 23.7	1.854	2.784	10.0	19.1
5 21	13 23.31	− 5 2.3	1.930	2.789	13.2	19.3

133536 Alicewhagel 4 19.2 334°.87 5°.4/22.3 18

3 12	14 16.24	−22 6.0	1.646	2.426	17.8	19.2
3 22	14 12.67	−23 7.8	1.552	2.415	14.8	19.0
4 1	14 6.16	−23 55.1	1.477	2.406	11.3	18.8
4 11	13 57.28	−24 25.0	1.425	2.397	7.6	18.5
4 21	13 47.02	−24 36.0	1.398	2.388	5.4	18.4
5 1	13 36.72	−24 29.9	1.397	2.380	6.8	18.4
5 11	13 27.75	−24 11.8	1.420	2.373	10.4	18.6
5 21	13 21.15	−23 48.6	1.466	2.367	14.2	18.8

231220 2005 WS_{155} 4 19.2 125°.37 1°.6/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 16.30	− 8 19.9	2.286	3.085	12.8	21.8
3 22	14 11.24	− 7 48.6	2.213	3.103	9.8	21.6
4 1	14 4.30	− 7 10.4	2.164	3.120	6.5	21.4
4 11	13 56.09	− 6 28.7	2.143	3.136	3.0	21.2
4 21	13 47.35	− 5 47.7	2.151	3.152	2.0	21.2
5 1	13 38.91	− 5 11.7	2.188	3.167	5.2	21.4
5 11	13 31.54	− 4 44.5	2.253	3.181	8.5	21.7
5 21	13 25.76	− 4 28.5	2.343	3.195	11.5	21.9

134859 2000 OF_{60} 4 19.2 126°.31 6°.0/25.8 18

3 12	14 16.22	−32 26.6	2.654	3.343	13.8	19.7
3 22	14 11.44	−33 3.4	2.563	3.353	11.9	19.6
4 1	14 4.62	−33 23.3	2.492	3.363	9.7	19.5
4 11	13 56.32	−33 24.3	2.446	3.372	7.6	19.3
4 21	13 47.29	−33 6.2	2.425	3.381	6.2	19.3
5 1	13 38.41	−32 30.9	2.432	3.390	6.2	19.3
5 11	13 30.53	−31 42.9	2.466	3.398	7.7	19.4
5 21	13 24.29	−30 47.9	2.526	3.406	9.8	19.5

203186 2001 BA_{70} 4 19.2 105°.19 14°.4/26.2 18

3 12	14 36.27	−35 29.2	1.280	1.989	25.2	19.2
3 22	14 30.21	−38 10.6	1.215	2.006	22.4	19.0
4 1	14 19.10	−40 27.2	1.166	2.022	19.3	18.8
4 11	14 3.63	−42 5.8	1.136	2.038	16.5	18.7
4 21	13 45.58	−42 55.6	1.126	2.053	14.7	18.6
5 1	13 27.66	−42 54.3	1.140	2.068	14.6	18.7
5 11	13 12.55	−42 11.3	1.174	2.082	16.2	18.8
5 21	13 1.92	−41 2.7	1.228	2.096	18.7	19.0

160852 2001 CT_{44} 4 19.2 65°.34 2°.5/20.7 18

3 12	14 20.61	−16 15.1	1.903	2.684	15.6	19.3
3 22	14 15.32	−16 59.2	1.818	2.690	12.5	19.1
4 1	14 7.47	−17 32.9	1.756	2.697	8.9	18.9
4 11	13 57.71	−17 55.7	1.719	2.704	5.0	18.7
4 21	13 46.98	−18 7.9	1.710	2.711	2.5	18.5
5 1	13 36.43	−18 11.8	1.729	2.717	5.2	18.7
5 11	13 27.18	−18 11.3	1.775	2.724	9.0	18.9
5 21	13 20.02	−18 10.7	1.846	2.731	12.5	19.2

105088 2000 KO_{81} 4 19.2 258°.06 0°.7/19.9 18

3 12	14 12.53	−17 34.7	1.972	2.762	14.8	20.0
3 22	14 9.07	−16 50.4	1.866	2.746	11.8	19.8
4 1	14 3.31	−15 47.9	1.781	2.729	8.2	19.5
4 11	13 55.82	−14 29.3	1.721	2.711	4.0	19.2
4 21	13 47.39	−12 59.5	1.689	2.694	0.9	18.9
5 1	13 39.03	−11 25.6	1.686	2.676	5.1	19.2
5 11	13 31.72	− 9 56.0	1.710	2.657	9.5	19.4
5 21	13 26.22	− 8 37.7	1.759	2.638	13.3	19.6

277378 2005 UG_{34} 4 19.2 246°.07 0°.3/18.9 17

3 12	14 14.60	−12 34.6	2.011	2.811	14.2	21.7
3 22	14 10.57	−12 11.8	1.910	2.799	11.2	21.4
4 1	14 4.26	−11 37.2	1.832	2.786	7.6	21.2
4 11	13 56.24	−10 53.5	1.779	2.772	3.5	20.9
4 21	13 47.30	−10 4.5	1.754	2.759	1.0	20.7
5 1	13 38.43	− 9 15.7	1.758	2.744	5.3	21.0
5 11	13 30.60	− 8 32.7	1.788	2.730	9.5	21.2
5 21	13 24.55	− 8 0.3	1.842	2.715	13.2	21.4

341726 2007 VB_{222} 4 19.2 170°.65 4°.9/13.9 18

3 12	14 13.40	+ 3 35.9	2.545	3.359	11.2	21.3
3 22	14 8.88	+ 4 24.4	2.469	3.361	8.8	21.1
4 1	14 2.70	+ 5 12.3	2.418	3.363	6.5	20.9
4 11	13 55.37	+ 5 54.5	2.394	3.365	5.0	20.8
4 21	13 47.52	+ 6 26.8	2.398	3.367	5.4	20.9
5 1	13 39.87	+ 6 45.5	2.431	3.368	7.4	21.0
5 11	13 33.10	+ 6 48.6	2.489	3.369	9.8	21.2
5 21	13 27.69	+ 6 36.1	2.571	3.369	12.1	21.3

57663 2001 UA_{15} 4 19.2 193°.90 2°.0/17.2 18

3 12	14 13.68	− 5 42.8	2.586	3.389	11.3	19.8
3 22	14 9.15	− 5 22.0	2.496	3.388	8.8	19.6
4 1	14 2.93	− 4 56.8	2.431	3.386	5.8	19.4
4 11	13 55.50	− 4 30.1	2.393	3.384	2.9	19.2
4 21	13 47.49	− 4 5.4	2.384	3.382	2.4	19.2
5 1	13 39.63	− 3 46.0	2.405	3.380	5.1	19.4
5 11	13 32.59	− 3 34.8	2.453	3.377	8.1	19.6
5 21	13 26.91	− 3 33.6	2.526	3.374	10.9	19.7

92590 2000 PT_{13} 4 19.2 187°.26 3°.0/21.7 18

3 12	14 18.28	−21 29.3	1.944	2.709	15.9	19.9
3 22	14 13.56	−21 29.6	1.850	2.709	12.9	19.7
4 1	14 6.31	−21 12.6	1.776	2.708	9.4	19.4
4 11	13 57.19	−20 38.1	1.728	2.707	5.7	19.2
4 21	13 47.11	−19 48.5	1.706	2.705	3.0	19.0
5 1	13 37.20	−18 48.5	1.713	2.702	5.2	19.2
5 11	13 28.54	−17 45.3	1.747	2.698	9.0	19.4
5 21	13 21.92	−16 45.9	1.805	2.693	12.6	19.6

432496 2010 EA_{103} 4 19.2 349°.45 1°.0/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 9.60	−12 0.1	1.761	2.581	15.1	21.1
3 22	14 6.85	−11 19.6	1.677	2.577	11.8	20.9
4 1	14 1.81	−10 25.8	1.614	2.574	7.9	20.6
4 11	13 55.10	− 9 22.6	1.577	2.571	3.5	20.4
4 21	13 47.58	− 8 15.8	1.565	2.569	1.6	20.2
5 1	13 40.26	− 7 12.4	1.581	2.567	5.9	20.5
5 11	13 34.10	− 6 19.0	1.622	2.566	10.1	20.7
5 21	13 29.79	− 5 40.3	1.686	2.565	13.9	21.0

42541 1996 AQ 4 19.2 126°.79 2°.0/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.07	− 7 36.6	2.109	2.919	13.3	19.4
3 22	14 9.78	− 7 4.2	2.030	2.926	10.3	19.2
4 1	14 3.49	− 6 24.6	1.976	2.933	6.8	19.0
4 11	13 55.79	− 5 41.7	1.947	2.940	3.2	18.8
4 21	13 47.46	− 5 0.0	1.947	2.947	2.4	18.8
5 1	13 39.37	− 4 24.4	1.975	2.953	5.7	19.0
5 11	13 32.35	− 3 58.8	2.030	2.960	9.3	19.2
5 21	13 26.99	− 3 45.8	2.109	2.966	12.4	19.4

56441 2000 GW_{54} 4 19.2 55°.34 0°.1/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.70	−14 55.5	1.296	2.121	19.2	19.1
3 22	14 10.76	−14 18.2	1.227	2.128	15.1	18.8
4 1	14 4.77	−13 21.0	1.177	2.136	10.2	18.6
4 11	13 56.54	−12 8.3	1.149	2.143	4.7	18.3
4 21	13 47.29	−10 47.5	1.147	2.151	1.1	18.0
5 1	13 38.45	− 9 28.5	1.169	2.159	6.7	18.4
5 11	13 31.34	− 8 21.0	1.216	2.168	11.9	18.7
5 21	13 26.78	− 7 31.4	1.283	2.176	16.4	19.0

222848 2002 EC_{95} 4 19.2 80°.21 0°.3/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.04	−12 10.1	1.831	2.635	15.3	20.8
3 22	14 11.54	−11 53.6	1.763	2.654	11.9	20.6
4 1	14 4.74	−11 26.2	1.718	2.673	7.9	20.4
4 11	13 56.37	−10 50.9	1.698	2.691	3.6	20.1
4 21	13 47.34	−10 12.0	1.705	2.709	1.0	20.0
5 1	13 38.69	− 9 34.8	1.740	2.728	5.3	20.3
5 11	13 31.37	− 9 4.3	1.802	2.746	9.3	20.6
5 21	13 25.99	− 8 44.0	1.887	2.764	12.7	20.8

17678 1997 AG_{3} 4 19.2 273°.68 1°.7/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.28	− 8 13.1	2.308	3.118	12.3	18.3
3 22	14 7.60	− 7 41.6	2.214	3.109	9.6	18.1
4 1	14 2.05	− 7 2.6	2.143	3.100	6.3	17.9
4 11	13 55.16	− 6 19.5	2.098	3.091	3.0	17.7
4 21	13 47.60	− 5 36.4	2.082	3.083	2.1	17.6
5 1	13 40.13	− 4 57.9	2.094	3.074	5.4	17.8
5 11	13 33.55	− 4 28.1	2.134	3.065	8.8	18.0
5 21	13 28.43	− 4 9.9	2.197	3.056	11.9	18.2

428888 2008 UW_{334} 4 19.2 279°.87 2°.0/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.78	− 7 58.2	1.955	2.772	14.0	21.3
3 22	14 9.08	− 7 25.5	1.867	2.766	10.8	21.0
4 1	14 3.20	− 6 44.4	1.802	2.761	7.2	20.8
4 11	13 55.73	− 5 58.8	1.763	2.756	3.4	20.6
4 21	13 47.47	− 5 13.7	1.751	2.751	2.5	20.5
5 1	13 39.37	− 4 34.5	1.766	2.746	6.1	20.7
5 11	13 32.34	− 4 6.0	1.808	2.741	10.0	20.9
5 21	13 27.07	− 3 51.2	1.873	2.736	13.4	21.1

470040 2006 SG_{95} 4 19.2 211°.44 0°.7/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.46	−12 4.7	2.560	3.356	11.6	22.1
3 22	14 6.74	−11 20.8	2.464	3.352	9.0	21.9
4 1	14 1.37	−10 27.0	2.393	3.348	6.0	21.7
4 11	13 54.81	− 9 26.2	2.350	3.343	2.7	21.5
4 21	13 47.69	− 8 22.7	2.335	3.338	1.2	21.3
5 1	13 40.69	− 7 21.1	2.350	3.333	4.5	21.6
5 11	13 34.51	− 6 26.4	2.393	3.328	7.8	21.8
5 21	13 29.65	− 5 42.0	2.461	3.322	10.7	21.9

19072 1222 $T\text{-}_{3}$ 4 19.2 169°.23 2°.0/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.58	−20 3.1	2.900	3.657	11.4	19.6
3 22	14 8.23	−20 1.4	2.804	3.660	9.1	19.5
4 1	14 2.29	−19 48.4	2.731	3.662	6.6	19.3
4 11	13 55.21	−19 25.0	2.685	3.665	3.8	19.1
4 21	13 47.60	−18 52.9	2.668	3.667	2.0	19.0
5 1	13 40.11	−18 15.1	2.680	3.668	3.6	19.1
5 11	13 33.39	−17 35.4	2.721	3.670	6.3	19.3
5 21	13 27.94	−16 57.6	2.789	3.670	8.9	19.5

307633 2003 SH_{110} 4 19.2 261°.64 1°.7/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.03	−15 59.0	1.787	2.577	16.2	21.0
3 22	14 14.61	−16 12.7	1.678	2.556	13.0	20.7
4 1	14 7.38	−16 13.7	1.589	2.535	9.2	20.4
4 11	13 57.87	−16 2.0	1.525	2.514	4.9	20.1
4 21	13 47.00	−15 39.4	1.488	2.492	1.8	19.9
5 1	13 35.98	−15 9.8	1.479	2.469	5.6	20.1
5 11	13 26.12	−14 38.9	1.496	2.446	10.3	20.3
5 21	13 18.42	−14 12.9	1.536	2.422	14.6	20.5

422804 2001 XF_{266} 4 19.2 114°.71 4°.5/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 18.38	+ 1 0.4	2.166	2.977	13.0	21.2
3 22	14 12.86	+ 1 39.5	2.104	2.997	10.1	21.1
4 1	14 5.39	+ 2 18.8	2.066	3.016	7.1	20.9
4 11	13 56.61	+ 2 53.2	2.055	3.035	4.8	20.8
4 21	13 47.34	+ 3 18.2	2.072	3.053	5.0	20.8
5 1	13 38.44	+ 3 30.2	2.118	3.071	7.4	21.0
5 11	13 30.71	+ 3 27.3	2.190	3.088	10.2	21.2
5 21	13 24.68	+ 3 9.5	2.286	3.104	12.8	21.4

107191 2001 BS_{28} 4 19.2 52°.00 1°.3/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.79	−15 55.1	1.351	2.167	19.1	19.3
3 22	14 12.23	−15 51.8	1.288	2.182	15.1	19.1
4 1	14 5.65	−15 31.1	1.244	2.198	10.4	18.8
4 11	13 56.93	−14 55.3	1.223	2.214	5.2	18.6
4 21	13 47.27	−14 9.2	1.226	2.230	1.4	18.4
5 1	13 38.10	−13 19.9	1.255	2.247	6.0	18.7
5 11	13 30.68	−12 35.4	1.308	2.263	10.9	19.0
5 21	13 25.78	−12 1.7	1.382	2.280	15.1	19.3

496127 2010 GN_{145} 4 19.2 301°.80 3°.5/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.50	− 4 51.8	1.303	2.141	18.4	20.8
3 22	14 14.41	− 4 40.2	1.200	2.110	14.7	20.4
4 1	14 7.86	− 4 21.6	1.116	2.078	10.1	20.1
4 11	13 58.34	− 4 0.9	1.054	2.047	5.2	19.7
4 21	13 46.88	− 3 44.2	1.016	2.015	4.2	19.5
5 1	13 35.05	− 3 38.4	1.002	1.984	9.2	19.7
5 11	13 24.58	− 3 49.4	1.011	1.953	14.9	19.9
5 21	13 16.83	− 4 20.0	1.039	1.922	20.2	20.1

520006 2013 TZ_{170} 4 19.2 117°.13 0°.2/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.02	−14 40.8	2.070	2.866	14.0	22.1
3 22	14 9.10	−14 13.8	1.988	2.872	11.0	21.9
4 1	14 3.12	−13 34.1	1.928	2.879	7.4	21.7
4 11	13 55.67	−12 44.5	1.894	2.886	3.5	21.4
4 21	13 47.56	−11 49.1	1.887	2.892	0.7	21.2
5 1	13 39.68	−10 53.3	1.910	2.898	4.7	21.5
5 11	13 32.89	−10 2.7	1.959	2.904	8.5	21.8
5 21	13 27.80	− 9 21.9	2.032	2.910	11.9	22.0

122535 2000 QN_{216} 4 19.2 160°.60 1°.1/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.15	−10 1.4	2.110	2.913	13.6	20.3
3 22	14 10.69	− 9 35.6	2.026	2.917	10.5	20.1
4 1	14 4.16	− 9 0.9	1.965	2.921	7.0	19.9
4 11	13 56.15	− 8 20.6	1.931	2.924	3.2	19.7
4 21	13 47.45	− 7 38.7	1.924	2.927	1.6	19.6
5 1	13 38.96	− 7 0.2	1.947	2.930	5.3	19.8
5 11	13 31.54	− 6 29.5	1.996	2.932	9.0	20.0
5 21	13 25.82	− 6 9.8	2.070	2.934	12.3	20.3

12498 Dragesco 4 19.2 310°.03 5°.5/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.89	−21 30.9	1.664	2.442	17.7	17.7
3 22	14 14.25	−22 37.0	1.551	2.414	14.8	17.4
4 1	14 7.52	−23 31.0	1.458	2.387	11.3	17.1
4 11	13 58.11	−24 9.6	1.388	2.360	7.7	16.8
4 21	13 46.95	−24 30.2	1.343	2.333	5.5	16.6
5 1	13 35.39	−24 33.2	1.324	2.307	7.2	16.7
5 11	13 24.96	−24 22.9	1.329	2.281	11.1	16.8
5 21	13 16.91	−24 5.8	1.357	2.256	15.3	17.0

208411 2001 SY_{243} 4 19.2 276°.04 0°.7/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.43	−10 52.7	2.210	3.013	13.0	21.1
3 22	14 8.66	−10 32.9	2.110	3.001	10.2	20.9
4 1	14 2.89	−10 3.8	2.032	2.988	6.8	20.6
4 11	13 55.62	− 9 28.2	1.981	2.975	3.1	20.4
4 21	13 47.57	− 8 49.6	1.958	2.962	1.2	20.2
5 1	13 39.58	− 8 12.7	1.964	2.949	5.0	20.4
5 11	13 32.51	− 7 41.9	1.996	2.936	8.8	20.6
5 21	13 27.00	− 7 20.8	2.053	2.923	12.1	20.8

17442 1989 UO_{5} 4 19.2 217°.06 0°.1/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.40	−11 1.5	4.665	5.448	7.0	19.3
3 22	14 2.86	−10 56.0	4.567	5.446	5.4	19.2
4 1	13 58.44	−10 46.6	4.494	5.444	3.6	19.1
4 11	13 53.40	−10 34.5	4.450	5.442	1.6	18.9
4 21	13 48.08	−10 21.0	4.436	5.440	0.4	18.8
5 1	13 42.81	−10 7.8	4.453	5.438	2.4	19.0
5 11	13 37.95	− 9 56.5	4.499	5.436	4.4	19.1
5 21	13 33.77	− 9 48.5	4.572	5.434	6.1	19.3

382370 2013 TF_{99} 4 19.2 307°.30 4°.7/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.76	−22 54.2	1.593	2.377	18.0	20.5
3 22	14 10.14	−23 18.9	1.488	2.356	15.0	20.3
4 1	14 4.59	−23 24.2	1.402	2.335	11.4	20.0
4 11	13 56.67	−23 8.1	1.338	2.313	7.4	19.7
4 21	13 47.32	−22 31.0	1.298	2.293	4.7	19.5
5 1	13 37.85	−21 36.9	1.283	2.272	6.5	19.5
5 11	13 29.66	−20 33.6	1.293	2.252	10.6	19.7
5 21	13 23.82	−19 30.2	1.325	2.233	15.0	19.9

2598 Merlin 4 19.2 139°.48 0°.6/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 13.24	−12 22.5	2.458	3.250	12.2	18.4
3 22	14 8.86	−11 39.6	2.377	3.262	9.4	18.3
4 1	14 2.75	−10 46.7	2.320	3.273	6.3	18.1
4 11	13 55.45	− 9 47.1	2.291	3.284	2.8	17.9
4 21	13 47.65	− 8 45.1	2.291	3.294	1.1	17.8
5 1	13 40.08	− 7 45.6	2.320	3.304	4.5	18.0
5 11	13 33.44	− 6 53.2	2.378	3.313	7.8	18.2
5 21	13 28.24	− 6 11.4	2.461	3.322	10.7	18.4

292605 2006 TS_{111} 4 19.2 324°.25 5°.0/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.38	+ 1 28.8	2.167	2.992	12.5	20.3
3 22	14 7.70	+ 2 23.8	2.089	2.990	9.8	20.1
4 1	14 2.13	+ 3 20.0	2.035	2.987	7.0	19.9
4 11	13 55.22	+ 4 11.9	2.007	2.985	5.1	19.8
4 21	13 47.69	+ 4 53.9	2.007	2.983	5.6	19.8
5 1	13 40.35	+ 5 21.3	2.033	2.981	8.0	20.0
5 11	13 33.97	+ 5 31.4	2.085	2.979	10.8	20.1
5 21	13 29.12	+ 5 23.5	2.159	2.977	13.5	20.3

46053 Davidpatterson 4 19.2 148°.56 2°.4/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.73	−18 6.7	1.488	2.283	18.6	19.9
3 22	14 15.32	−18 13.4	1.408	2.288	15.0	19.7
4 1	14 7.83	−18 2.3	1.349	2.294	10.6	19.4
4 11	13 58.03	−17 33.8	1.312	2.299	5.8	19.2
4 21	13 47.07	−16 51.1	1.301	2.303	2.4	18.9
5 1	13 36.42	−16 0.2	1.316	2.307	6.0	19.2
5 11	13 27.42	−15 9.3	1.356	2.310	10.7	19.5
5 21	13 20.98	−14 25.7	1.419	2.314	15.0	19.7

11753 Geoffburbidge 4 19.2 67°.32 1°.7/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.97	−18 18.4	2.298	3.076	13.3	18.7
3 22	14 8.15	−18 12.0	2.213	3.084	10.6	18.5
4 1	14 2.42	−17 52.7	2.151	3.092	7.5	18.4
4 11	13 55.37	−17 22.0	2.115	3.101	4.1	18.2
4 21	13 47.69	−16 42.4	2.107	3.109	1.7	18.0
5 1	13 40.21	−15 58.1	2.127	3.117	4.1	18.2
5 11	13 33.71	−15 14.0	2.174	3.125	7.5	18.4
5 21	13 28.76	−14 34.6	2.247	3.134	10.5	18.6

246664 2008 YW_{103} 4 19.2 151°.11 3°.1/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.71	− 3 49.7	2.331	3.145	12.1	21.2
3 22	14 8.56	− 3 5.0	2.252	3.150	9.3	21.0
4 1	14 2.62	− 2 15.9	2.197	3.154	6.3	20.8
4 11	13 55.44	− 1 26.8	2.169	3.158	3.6	20.6
4 21	13 47.68	− 0 42.3	2.170	3.161	3.6	20.6
5 1	13 40.14	− 0 6.9	2.199	3.165	6.2	20.8
5 11	13 33.52	+ 0 16.0	2.255	3.168	9.3	21.0
5 21	13 28.37	+ 0 24.9	2.334	3.171	12.0	21.2

83433 2001 SH_{50} 4 19.2 254°.28 2°.9/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.40	− 6 19.1	1.980	2.795	13.9	20.4
3 22	14 10.45	− 5 32.0	1.880	2.778	10.8	20.2
4 1	14 4.24	− 4 36.1	1.803	2.761	7.3	19.9
4 11	13 56.32	− 3 36.1	1.752	2.743	3.8	19.7
4 21	13 47.47	− 2 37.9	1.729	2.725	3.5	19.6
5 1	13 38.67	− 1 47.5	1.734	2.707	6.9	19.8
5 11	13 30.88	− 1 10.6	1.765	2.687	10.8	20.0
5 21	13 24.86	− 0 50.2	1.818	2.668	14.3	20.1

418384 2008 HJ_{21} 4 19.2 26°.14 4°.0/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.15	− 5 47.2	1.235	2.086	18.4	19.8
3 22	14 8.71	− 4 55.9	1.179	2.097	14.2	19.6
4 1	14 3.34	− 3 55.3	1.143	2.109	9.4	19.3
4 11	13 55.90	− 2 53.1	1.129	2.122	5.0	19.1
4 21	13 47.60	− 1 58.0	1.139	2.136	4.7	19.1
5 1	13 39.78	− 1 17.9	1.174	2.151	8.8	19.4
5 11	13 33.66	− 0 58.2	1.230	2.167	13.3	19.7
5 21	13 29.95	− 1 0.4	1.306	2.184	17.2	20.0

341607 2007 UP_{118} 4 19.2 240°.78 0°.2/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.11	−13 37.0	2.299	3.091	12.9	21.9
3 22	14 9.11	−13 22.6	2.201	3.084	10.2	21.7
4 1	14 3.14	−12 57.7	2.125	3.076	6.9	21.5
4 11	13 55.75	−12 24.5	2.076	3.068	3.2	21.2
4 21	13 47.61	−11 46.1	2.056	3.060	0.7	21.0
5 1	13 39.58	−11 6.6	2.064	3.052	4.5	21.3
5 11	13 32.45	−10 30.6	2.100	3.044	8.1	21.5
5 21	13 26.86	−10 2.2	2.160	3.035	11.4	21.7

87173 2000 OE_5 4 19.2 240°.06 4°.7/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.30	− 2 0.1	2.080	2.903	13.0	19.5
3 22	14 8.62	− 0 36.9	1.989	2.891	10.1	19.3
4 1	14 2.88	+ 0 53.0	1.923	2.878	7.1	19.0
4 11	13 55.64	+ 2 23.0	1.883	2.866	4.9	18.9
4 21	13 47.64	+ 3 45.9	1.872	2.853	5.5	18.9
5 1	13 39.75	+ 4 54.5	1.889	2.839	8.3	19.0
5 11	13 32.83	+ 5 43.9	1.931	2.825	11.5	19.2
5 21	13 27.54	+ 6 11.9	1.995	2.811	14.5	19.4

337993 2002 DU_{10} 4 19.2 113°.52 5°.3/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 20.23	−32 3.9	3.134	3.806	12.2	21.3
3 22	14 14.16	−32 46.8	3.051	3.829	10.4	21.2
4 1	14 6.28	−33 15.1	2.989	3.852	8.5	21.1
4 11	13 57.11	−33 27.1	2.952	3.874	6.7	21.0
4 21	13 47.34	−33 22.5	2.944	3.896	5.5	20.9
5 1	13 37.74	−33 2.9	2.964	3.916	5.5	21.0
5 11	13 29.06	−32 31.7	3.013	3.937	6.8	21.1
5 21	13 21.86	−31 53.5	3.088	3.956	8.5	21.2

29041 1050 $T\text{-}_2$ 4 19.2 90°.34 2°.3/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.61	− 7 15.2	2.421	3.230	11.9	18.9
3 22	14 7.52	− 6 16.0	2.356	3.252	9.1	18.7
4 1	14 1.81	− 5 10.3	2.316	3.274	6.0	18.6
4 11	13 55.02	− 4 2.7	2.304	3.295	3.0	18.4
4 21	13 47.81	− 2 58.1	2.320	3.317	2.7	18.4
5 1	13 40.90	− 2 1.4	2.366	3.337	5.5	18.6
5 11	13 34.92	− 1 16.5	2.439	3.358	8.4	18.8
5 21	13 30.34	− 0 45.5	2.537	3.378	11.0	19.1

422647 1996 RC_{15} 4 19.2 336°.85 7°.8/25.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.68	−31 23.7	1.589	2.336	19.6	20.5
3 22	14 9.34	−31 56.8	1.497	2.329	16.9	20.3
4 1	14 4.03	−32 3.7	1.423	2.322	13.8	20.1
4 11	13 56.38	−31 40.6	1.369	2.316	10.5	19.9
4 21	13 47.47	−30 47.0	1.337	2.311	8.2	19.7
5 1	13 38.69	−29 26.9	1.330	2.306	8.2	19.7
5 11	13 31.40	−27 49.8	1.347	2.301	10.8	19.8
5 21	13 26.59	−26 6.9	1.386	2.297	14.2	20.0

384036 2008 UL_{166} 4 19.2 284°.74 0°.6/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.00	−12 17.2	1.940	2.749	14.4	21.4
3 22	14 8.58	−11 45.9	1.849	2.742	11.2	21.2
4 1	14 2.95	−11 2.4	1.780	2.736	7.5	21.0
4 11	13 55.70	−10 10.0	1.736	2.730	3.4	20.7
4 21	13 47.64	− 9 13.3	1.720	2.724	1.2	20.5
5 1	13 39.72	− 8 18.3	1.731	2.718	5.4	20.8
5 11	13 32.87	− 7 30.9	1.769	2.712	9.5	21.0
5 21	13 27.79	− 6 55.5	1.830	2.706	13.1	21.2

220337 2003 GY_{11} 4 19.2 48°.50 2°.0/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.92	− 9 32.8	1.584	2.410	16.3	21.0
3 22	14 9.57	− 8 50.8	1.514	2.418	12.6	20.8
4 1	14 3.69	− 7 57.2	1.466	2.427	8.3	20.5
4 11	13 56.03	− 6 57.1	1.441	2.436	3.8	20.3
4 21	13 47.58	− 5 57.3	1.443	2.445	2.6	20.2
5 1	13 39.47	− 5 4.6	1.472	2.454	6.7	20.5
5 11	13 32.75	− 4 25.3	1.525	2.464	11.0	20.8
5 21	13 28.11	− 4 2.8	1.600	2.474	14.8	21.0

499801 2011 CC_{86} 4 19.2 178°.53 17°.6/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 36.69	−58 39.9	2.144	2.624	21.1	20.9
3 22	14 31.77	−61 16.5	2.065	2.624	20.4	20.8
4 1	14 21.30	−63 28.9	1.998	2.624	19.6	20.7
4 11	14 5.35	−65 6.4	1.945	2.624	18.8	20.6
4 21	13 45.34	−65 59.4	1.906	2.624	18.1	20.5
5 1	13 24.28	−66 2.7	1.884	2.624	17.7	20.5
5 11	13 5.78	−65 19.3	1.878	2.624	17.6	20.5
5 21	12 52.44	−63 59.3	1.887	2.624	17.9	20.5

386071 2007 HS_{35} 4 19.2 207°.45 2°.1/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.17	− 5 30.1	2.138	2.943	13.3	21.1
3 22	14 13.09	− 5 21.6	2.048	2.940	10.4	20.9
4 1	14 5.84	− 5 8.7	1.981	2.936	7.0	20.6
4 11	13 57.01	− 4 54.5	1.940	2.932	3.4	20.4
4 21	13 47.38	− 4 42.4	1.928	2.928	2.5	20.3
5 1	13 37.89	− 4 36.1	1.946	2.923	5.9	20.5
5 11	13 29.46	− 4 38.4	1.990	2.918	9.5	20.7
5 21	13 22.76	− 4 51.2	2.059	2.913	12.7	20.9

470025 2006 RQ_{80} 4 19.2 179°.82 0°.7/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.82	−11 7.3	2.537	3.333	11.7	22.7
3 22	14 7.82	−10 37.4	2.447	3.334	9.1	22.5
4 1	14 2.12	− 9 58.9	2.380	3.334	6.0	22.3
4 11	13 55.23	− 9 14.8	2.341	3.335	2.7	22.1
4 21	13 47.78	− 8 28.5	2.331	3.335	1.2	21.9
5 1	13 40.47	− 7 44.3	2.350	3.334	4.5	22.2
5 11	13 34.00	− 7 6.3	2.398	3.334	7.7	22.4
5 21	13 28.89	− 6 37.6	2.470	3.333	10.6	22.5

62000 2000 RA_{36} 4 19.2 100°.50 2°.1/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.23	− 7 41.9	2.433	3.243	11.8	19.6
3 22	14 6.56	− 6 44.8	2.357	3.253	9.0	19.4
4 1	14 1.24	− 5 40.5	2.306	3.264	5.9	19.3
4 11	13 54.80	− 4 33.3	2.282	3.274	3.0	19.1
4 21	13 47.88	− 3 28.0	2.287	3.284	2.6	19.1
5 1	13 41.18	− 2 29.9	2.321	3.294	5.4	19.3
5 11	13 35.36	− 1 42.9	2.383	3.304	8.5	19.5
5 21	13 30.90	− 1 9.6	2.468	3.314	11.2	19.7

500704 2012 WC_{10} 4 19.2 112°.42 5°.7/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 20.33	+ 8 2.7	2.478	3.277	11.9	21.1
3 22	14 14.20	+ 8 21.5	2.409	3.288	9.6	20.9
4 1	14 6.24	+ 8 35.2	2.364	3.299	7.3	20.8
4 11	13 57.06	+ 8 39.3	2.347	3.309	5.8	20.7
4 21	13 47.40	+ 8 30.5	2.359	3.320	6.1	20.7
5 1	13 38.06	+ 8 7.0	2.400	3.330	7.9	20.9
5 11	13 29.77	+ 7 28.4	2.468	3.340	10.2	21.0
5 21	13 23.06	+ 6 36.0	2.560	3.350	12.4	21.2

463674 2014 OC_{84} 4 19.2 159°.47 3°.2/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.78	−21 9.0	1.848	2.616	16.5	22.2
3 22	14 14.82	−21 16.4	1.762	2.623	13.4	22.0
4 1	14 7.24	−21 6.6	1.696	2.629	9.8	21.8
4 11	13 57.71	−20 39.4	1.655	2.634	5.8	21.6
4 21	13 47.23	−19 56.9	1.641	2.639	3.2	21.4
5 1	13 37.00	−19 3.9	1.654	2.643	5.3	21.5
5 11	13 28.14	−18 7.6	1.695	2.646	9.2	21.8
5 21	13 21.44	−17 14.9	1.760	2.649	12.9	22.0

224609 2005 YS_{59} 4 19.2 153°.97 6°.7/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.61	+ 5 51.7	2.166	2.988	12.6	20.6
3 22	14 9.36	+ 7 20.4	2.101	2.994	10.1	20.4
4 1	14 3.21	+ 8 47.7	2.061	3.000	7.8	20.3
4 11	13 55.73	+10 6.2	2.047	3.006	6.7	20.3
4 21	13 47.68	+11 9.3	2.061	3.011	7.5	20.3
5 1	13 39.90	+11 52.0	2.101	3.016	9.6	20.4
5 11	13 33.15	+12 12.0	2.166	3.020	12.1	20.6
5 21	13 27.99	+12 9.7	2.251	3.024	14.4	20.8

344831 2004 FD_{33} 4 19.2 60°.74 3°.9/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.83	−23 7.6	2.124	2.883	14.9	20.7
3 22	14 10.68	−23 32.0	2.039	2.890	12.3	20.5
4 1	14 4.31	−23 40.9	1.975	2.898	9.2	20.3
4 11	13 56.32	−23 33.9	1.935	2.905	6.0	20.1
4 21	13 47.55	−23 12.0	1.922	2.913	4.0	20.0
5 1	13 38.96	−22 38.5	1.936	2.921	5.1	20.1
5 11	13 31.49	−21 58.6	1.978	2.929	8.1	20.3
5 21	13 25.83	−21 18.0	2.044	2.937	11.1	20.5

303961 2005 YN_{259} 4 19.2 238°.45 1°.5/20.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.90	−17 10.9	1.715	2.506	16.7	22.6
3 22	14 13.75	−17 0.7	1.613	2.492	13.4	22.3
4 1	14 6.79	−16 33.8	1.532	2.478	9.4	22.0
4 11	13 57.64	−15 50.9	1.474	2.463	4.9	21.7
4 21	13 47.24	−14 55.4	1.444	2.447	1.5	21.4
5 1	13 36.84	−13 53.3	1.440	2.431	5.7	21.7
5 11	13 27.72	−12 52.4	1.463	2.414	10.4	21.9
5 21	13 20.81	−12 0.0	1.509	2.396	14.8	22.1

98947 2001 CZ_{23} 4 19.2 323°.76 9°.5/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.70	+ 2 33.4	1.194	2.061	17.8	18.2
3 22	14 5.79	+ 4 27.5	1.112	2.035	14.4	17.9
4 1	14 1.84	+ 6 30.5	1.051	2.010	11.1	17.6
4 11	13 55.47	+ 8 29.1	1.011	1.986	9.5	17.4
4 21	13 47.71	+10 8.7	0.994	1.962	11.1	17.4
5 1	13 39.98	+11 16.2	0.999	1.940	14.8	17.6
5 11	13 33.72	+11 44.3	1.022	1.919	19.0	17.7
5 21	13 29.96	+11 32.4	1.061	1.900	23.0	17.9

233947 2009 WM_{141} 4 19.2 44°.83 7°.6/13.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.30	+ 7 30.4	1.750	2.575	15.0	20.1
3 22	14 12.69	+ 8 18.7	1.684	2.578	12.1	19.9
4 1	14 5.66	+ 9 2.0	1.640	2.582	9.4	19.8
4 11	13 56.93	+ 9 33.0	1.622	2.585	7.7	19.7
4 21	13 47.45	+ 9 45.6	1.628	2.589	8.3	19.7
5 1	13 38.33	+ 9 36.1	1.661	2.593	10.6	19.8
5 11	13 30.56	+ 9 3.6	1.716	2.597	13.5	20.0
5 21	13 24.82	+ 8 10.2	1.793	2.601	16.2	20.2

358446 2007 DJ_{117} 4 19.2 342°.56 0°.9/20.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.58	−15 27.1	2.101	2.900	13.7	20.6
3 22	14 6.60	−15 18.0	2.007	2.892	10.9	20.4
4 1	14 1.59	−14 56.6	1.935	2.885	7.5	20.2
4 11	13 55.09	−14 24.9	1.888	2.878	3.7	19.9
4 21	13 47.84	−13 45.9	1.868	2.872	1.0	19.7
5 1	13 40.69	−13 4.1	1.876	2.866	4.5	19.9
5 11	13 34.50	−12 24.7	1.910	2.861	8.3	20.2
5 21	13 29.92	−11 52.2	1.968	2.857	11.7	20.4

103852 2000 DH_{36} 4 19.2 85°.67 1°.2/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.33	−10 11.9	2.051	2.861	13.7	20.2
3 22	14 8.62	− 9 39.3	1.967	2.862	10.6	20.0
4 1	14 2.87	− 8 57.1	1.906	2.864	7.0	19.8
4 11	13 55.65	− 8 8.7	1.871	2.865	3.2	19.6
4 21	13 47.74	− 7 19.0	1.863	2.866	1.7	19.5
5 1	13 40.02	− 6 33.1	1.884	2.867	5.4	19.7
5 11	13 33.35	− 5 56.0	1.931	2.868	9.2	19.9
5 21	13 28.33	− 5 31.0	2.002	2.870	12.5	20.1

93800 2000 WR_{46} 4 19.2 75°.32 5°.1/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 16.43	+ 0 48.1	1.806	2.631	14.6	19.7
3 22	14 11.83	+ 1 30.3	1.745	2.646	11.4	19.5
4 1	14 4.97	+ 2 13.1	1.707	2.661	8.0	19.4
4 11	13 56.57	+ 2 50.4	1.695	2.676	5.4	19.2
4 21	13 47.56	+ 3 16.7	1.709	2.691	5.6	19.3
5 1	13 38.95	+ 3 27.6	1.750	2.706	8.3	19.5
5 11	13 31.65	+ 3 21.1	1.816	2.721	11.5	19.7
5 21	13 26.28	+ 2 57.4	1.904	2.736	14.5	19.9

58646 1997 WD_{35} 4 19.2 217°.24 5°.5/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.58	+ 3 19.4	2.096	2.911	13.2	19.6
3 22	14 12.65	+ 4 4.0	2.011	2.904	10.5	19.4
4 1	14 5.56	+ 4 48.2	1.950	2.897	7.7	19.2
4 11	13 56.91	+ 5 26.2	1.915	2.889	5.7	19.1
4 21	13 47.48	+ 5 52.6	1.908	2.881	6.1	19.1
5 1	13 38.23	+ 6 3.1	1.929	2.873	8.6	19.2
5 11	13 30.04	+ 5 55.3	1.975	2.864	11.6	19.4
5 21	13 23.59	+ 5 29.4	2.043	2.854	14.4	19.5

407737 2011 UZ_{382} 4 19.2 56°.57 4°.5/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.27	−23 13.6	1.329	2.122	20.6	20.9
3 22	14 12.84	−23 25.1	1.267	2.140	16.8	20.7
4 1	14 6.21	−23 12.3	1.222	2.158	12.4	20.4
4 11	13 57.31	−22 34.8	1.199	2.177	7.7	20.2
4 21	13 47.41	−21 36.2	1.199	2.196	4.5	20.1
5 1	13 38.06	−20 24.2	1.224	2.215	6.4	20.3
5 11	13 30.57	−19 9.1	1.274	2.234	10.6	20.5
5 21	13 25.76	−18 0.4	1.346	2.254	14.7	20.8

178169 2006 UM_{52} 4 19.2 183°.14 1°.2/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.09	− 8 13.9	2.378	3.181	12.2	20.5
3 22	14 9.70	− 8 2.7	2.290	3.181	9.5	20.3
4 1	14 3.47	− 7 45.4	2.225	3.181	6.3	20.1
4 11	13 55.91	− 7 24.9	2.187	3.180	2.9	19.9
4 21	13 47.71	− 7 4.1	2.178	3.180	1.6	19.8
5 1	13 39.66	− 6 46.6	2.198	3.180	4.9	20.0
5 11	13 32.52	− 6 35.5	2.245	3.180	8.2	20.2
5 21	13 26.85	− 6 33.3	2.317	3.179	11.2	20.4

470033 2006 SB_{16} 4 19.2 217°.96 3°.7/22.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.16	−23 54.8	2.655	3.392	12.8	22.0
3 22	14 11.40	−24 21.7	2.549	3.385	10.6	21.8
4 1	14 4.69	−24 35.9	2.465	3.379	8.0	21.7
4 11	13 56.52	−24 36.6	2.407	3.372	5.5	21.5
4 21	13 47.57	−24 24.0	2.377	3.365	3.8	21.4
5 1	13 38.64	−24 0.4	2.376	3.357	4.7	21.4
5 11	13 30.55	−23 29.4	2.403	3.349	7.2	21.6
5 21	13 23.95	−22 55.7	2.457	3.341	9.9	21.7

311468 2005 UP_{475} 4 19.2 244°.68 10°.2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.91	+26 34.3	2.800	3.563	11.6	20.6
3 22	14 10.17	+27 52.8	2.740	3.550	10.7	20.5
4 1	14 3.68	+28 58.2	2.702	3.537	10.2	20.5
4 11	13 55.97	+29 44.1	2.688	3.523	10.3	20.4
4 21	13 47.70	+30 6.1	2.696	3.508	11.0	20.5
5 1	13 39.62	+30 1.8	2.727	3.494	12.2	20.5
5 11	13 32.44	+29 31.5	2.778	3.479	13.4	20.6
5 21	13 26.68	+28 37.8	2.846	3.464	14.7	20.7

176485 2001 XR_{211} 4 19.2 226°.42 2°.8/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.15	− 3 10.9	2.561	3.370	11.3	20.6
3 22	14 8.85	− 2 40.5	2.469	3.364	8.7	20.4
4 1	14 2.84	− 2 6.8	2.402	3.357	5.9	20.2
4 11	13 55.62	− 1 33.3	2.362	3.350	3.4	20.0
4 21	13 47.79	− 1 3.9	2.350	3.343	3.3	20.0
5 1	13 40.08	− 0 42.2	2.368	3.335	5.8	20.1
5 11	13 33.17	− 0 31.1	2.413	3.327	8.7	20.3
5 21	13 27.61	− 0 32.1	2.482	3.319	11.4	20.5

503154 2015 GN_{30} 4 19.2 103°.99 0°.3/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.48	−13 53.9	2.076	2.873	14.0	21.6
3 22	14 9.56	−13 41.1	1.990	2.875	11.0	21.4
4 1	14 3.53	−13 17.1	1.925	2.877	7.4	21.2
4 11	13 55.99	−12 44.0	1.887	2.878	3.5	20.9
4 21	13 47.71	−12 5.2	1.876	2.880	0.7	20.7
5 1	13 39.62	−11 25.5	1.893	2.882	4.7	21.0
5 11	13 32.58	−10 49.8	1.937	2.884	8.5	21.2
5 21	13 27.24	−10 22.1	2.006	2.886	11.9	21.4

326454 2001 WV_{27} 4 19.2 155°.52 4°.8/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.06	+ 1 44.3	2.128	2.941	13.1	21.0
3 22	14 12.85	+ 2 22.6	2.054	2.947	10.3	20.9
4 1	14 5.59	+ 3 0.9	2.003	2.953	7.3	20.7
4 11	13 56.88	+ 3 34.1	1.979	2.958	5.1	20.6
4 21	13 47.53	+ 3 57.4	1.984	2.963	5.3	20.6
5 1	13 38.46	+ 4 6.8	2.016	2.967	7.8	20.7
5 11	13 30.51	+ 4 0.3	2.075	2.971	10.7	20.9
5 21	13 24.27	+ 3 37.8	2.156	2.975	13.5	21.1

392977 2012 XC_{43} 4 19.2 19°.56 9°.1/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 10.44	−40 41.7	1.941	2.615	18.7	19.2
3 22	14 7.92	−40 54.4	1.856	2.622	16.6	19.0
4 1	14 2.75	−40 37.4	1.787	2.629	14.3	18.9
4 11	13 55.69	−39 47.7	1.737	2.638	11.8	18.7
4 21	13 47.78	−38 25.2	1.710	2.647	9.8	18.6
5 1	13 40.22	−36 34.3	1.707	2.657	9.1	18.6
5 11	13 34.13	−34 24.1	1.729	2.667	10.0	18.7
5 21	13 30.21	−32 5.8	1.777	2.678	12.1	18.8

192703 1999 TD_{77} 4 19.2 255°.13 0°.7/19.9 18

3 12	14 12.78	−16 3.1	2.083	2.874	14.1	20.6
3 22	14 9.14	−15 40.1	1.982	2.863	11.2	20.4
4 1	14 3.35	−15 3.1	1.904	2.853	7.7	20.1
4 11	13 55.96	−14 14.1	1.852	2.842	3.8	19.9
4 21	13 47.72	−13 16.7	1.827	2.831	0.9	19.6
5 1	13 39.56	−12 16.3	1.830	2.820	4.8	19.9
5 11	13 32.42	−11 19.0	1.860	2.808	8.7	20.1
5 21	13 26.97	−10 30.3	1.915	2.797	12.3	20.3

140027 2001 SU_{59} 4 19.2 176°.56 0°.7/18.6 18

3 12	14 16.73	− 8 53.3	2.400	3.194	12.4	19.5
3 22	14 11.75	− 8 57.3	2.309	3.195	9.6	19.3
4 1	14 4.85	− 8 55.7	2.242	3.195	6.4	19.1
4 11	13 56.57	− 8 50.5	2.203	3.196	2.9	18.8
4 21	13 47.60	− 8 44.1	2.192	3.196	1.2	18.7
5 1	13 38.78	− 8 39.3	2.212	3.196	4.6	18.9
5 11	13 30.88	− 8 39.0	2.259	3.196	8.0	19.2
5 21	13 24.52	− 8 45.4	2.331	3.196	11.1	19.4

474870 2005 SU_{142} 4 19.2 311°.54 2°.0/17.4 17

3 12	14 11.41	− 7 12.0	2.092	2.909	13.2	21.0
3 22	14 8.00	− 6 45.3	1.996	2.896	10.2	20.8
4 1	14 2.54	− 6 11.3	1.924	2.883	6.8	20.5
4 11	13 55.57	− 5 33.9	1.877	2.871	3.3	20.3
4 21	13 47.81	− 4 57.3	1.858	2.858	2.5	20.2
5 1	13 40.13	− 4 26.3	1.867	2.846	5.9	20.4
5 11	13 33.39	− 4 5.1	1.902	2.834	9.6	20.6
5 21	13 28.26	− 3 56.6	1.960	2.823	12.9	20.8

164599 6366 $P–L$ 4 19.2 317°.05 3°.3/21.5 17

3 12	14 13.91	−19 13.0	1.731	2.522	16.6	19.9
3 22	14 10.73	−19 43.5	1.628	2.503	13.6	19.6
4 1	14 4.86	−19 59.8	1.545	2.485	9.9	19.4
4 11	13 56.82	−20 1.1	1.485	2.467	6.0	19.1
4 21	13 47.51	−19 47.8	1.451	2.449	3.4	18.9
5 1	13 38.11	−19 23.3	1.442	2.432	5.7	19.0
5 11	13 29.88	−18 53.3	1.459	2.416	9.9	19.2
5 21	13 23.77	−18 24.1	1.499	2.400	14.0	19.4

17825 1998 GQ_{8} 4 19.2 273°.17 6°.9/11.6 18

3 12	14 12.03	+ 8 50.8	2.345	3.165	11.8	18.6
3 22	14 8.16	+ 9 57.4	2.265	3.153	9.7	18.4
4 1	14 2.47	+11 0.8	2.209	3.142	7.8	18.3
4 11	13 55.48	+11 54.5	2.179	3.130	6.9	18.2
4 21	13 47.84	+12 33.0	2.176	3.118	7.7	18.2
5 1	13 40.34	+12 52.1	2.198	3.107	9.6	18.3
5 11	13 33.73	+12 50.0	2.245	3.095	11.9	18.4
5 21	13 28.57	+12 27.2	2.313	3.083	14.1	18.6

56323 1999 VE_{82} 4 19.2 315°.09 0°.2/19.4 18

3 12	14 17.16	−10 45.9	2.168	2.963	13.5	18.0
3 22	14 12.47	−11 9.8	2.068	2.953	10.6	17.8
4 1	14 5.58	−11 27.6	1.990	2.942	7.2	17.6
4 11	13 57.00	−11 40.5	1.939	2.931	3.4	17.3
4 21	13 47.51	−11 50.0	1.916	2.921	0.7	17.1
5 1	13 38.04	−11 58.3	1.923	2.911	4.7	17.3
5 11	13 29.54	−12 8.4	1.957	2.901	8.6	17.6
5 21	13 22.74	−12 22.8	2.015	2.892	12.0	17.8

159978 2006 BY_{164} 4 19.2 184°.34 1°.0/18.3 17

3 12	14 13.63	−10 58.4	2.131	2.934	13.4	21.0
3 22	14 9.59	−10 26.1	2.043	2.934	10.5	20.8
4 1	14 3.52	− 9 43.6	1.978	2.934	7.0	20.5
4 11	13 55.99	− 8 54.4	1.940	2.934	3.1	20.3
4 21	13 47.75	− 8 2.9	1.930	2.933	1.5	20.2
5 1	13 39.69	− 7 14.2	1.948	2.932	5.2	20.4
5 11	13 32.66	− 6 33.4	1.993	2.931	8.9	20.6
5 21	13 27.26	− 6 4.1	2.063	2.929	12.2	20.8

302282 2001 XL_{235} 4 19.2 179°.86 1°.8/17.9 16

3 12	14 19.04	− 8 46.4	1.895	2.699	14.8	22.1
3 22	14 14.04	− 8 15.5	1.809	2.701	11.5	21.9
4 1	14 6.63	− 7 35.4	1.746	2.702	7.7	21.6
4 11	13 57.46	− 6 49.9	1.710	2.703	3.6	21.4
4 21	13 47.45	− 6 3.9	1.701	2.702	2.3	21.3
5 1	13 37.65	− 5 23.1	1.721	2.701	6.2	21.5
5 11	13 29.09	− 4 52.6	1.767	2.699	10.2	21.7
5 21	13 22.49	− 4 35.6	1.837	2.696	13.8	22.0

467863 2011 AK_{28} 4 19.2 95°.83 0°.0/19.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 15.29	−14 20.2	1.852	2.651	15.3	21.6
3 22	14 11.04	−13 48.3	1.781	2.668	12.0	21.4
4 1	14 4.51	−13 2.7	1.733	2.685	8.0	21.2
4 11	13 56.43	−12 7.0	1.709	2.702	3.7	21.0
4 21	13 47.69	−11 6.2	1.714	2.718	0.8	20.8
5 1	13 39.31	−10 6.4	1.746	2.734	5.2	21.1
5 11	13 32.22	− 9 13.8	1.805	2.750	9.2	21.4
5 21	13 27.04	− 8 33.0	1.888	2.765	12.7	21.6

117296 2004 UP_{7} 4 19.3 135°.27 2°.4/21.9 17

3 12	14 14.47	−21 57.8	2.338	3.096	13.7	20.7
3 22	14 10.09	−21 39.9	2.252	3.108	11.1	20.5
4 1	14 3.76	−21 6.3	2.189	3.119	8.0	20.3
4 11	13 56.06	−20 18.0	2.150	3.129	4.8	20.1
4 21	13 47.76	−19 17.9	2.140	3.139	2.5	20.0
5 1	13 39.71	−18 10.9	2.160	3.149	4.2	20.1
5 11	13 32.69	−17 2.8	2.207	3.158	7.4	20.4
5 21	13 27.29	−15 59.3	2.280	3.167	10.4	20.6

265586 2005 QU_{153} 4 19.3 122°.29 1°.9/17.8 18

3 12	14 18.16	− 7 2.2	1.876	2.686	14.7	20.5
3 22	14 13.28	− 6 48.3	1.800	2.695	11.4	20.3
4 1	14 6.06	− 6 28.1	1.746	2.702	7.6	20.1
4 11	13 57.18	− 6 4.9	1.717	2.710	3.6	19.9
4 21	13 47.52	− 5 43.0	1.717	2.718	2.4	19.8
5 1	13 38.16	− 5 26.6	1.744	2.725	6.1	20.1
5 11	13 30.05	− 5 19.6	1.798	2.732	10.0	20.3
5 21	13 23.88	− 5 24.1	1.876	2.738	13.4	20.5

37086 2000 UU_{63} 4 19.3 318°.79 2°.4/20.6 18

3 12	14 17.21	−16 10.6	1.397	2.207	18.9	18.4
3 22	14 13.79	−16 40.4	1.310	2.200	15.2	18.1
4 1	14 7.15	−16 55.8	1.242	2.192	10.8	17.9
4 11	13 57.96	−16 56.6	1.197	2.185	5.9	17.6
4 21	13 47.33	−16 44.2	1.176	2.179	2.4	17.3
5 1	13 36.77	−16 23.0	1.180	2.172	6.3	17.5
5 11	13 27.77	−15 59.7	1.209	2.166	11.4	17.8
5 21	13 21.40	−15 41.0	1.258	2.161	16.0	18.0

219723 2001 XK_{122} 4 19.3 193°.80 0°.5/18.8 17

3 12	14 15.56	−12 5.7	2.325	3.116	12.8	22.2
3 22	14 10.95	−11 38.9	2.230	3.113	10.0	22.0
4 1	14 4.38	−11 2.1	2.159	3.111	6.7	21.7
4 11	13 56.39	−10 18.1	2.115	3.107	3.1	21.5
4 21	13 47.70	− 9 30.4	2.099	3.103	1.0	21.3
5 1	13 39.14	− 8 43.8	2.113	3.098	4.7	21.6
5 11	13 31.54	− 8 2.9	2.156	3.093	8.3	21.8
5 21	13 25.50	− 7 31.5	2.223	3.087	11.5	22.0

459695 2013 NY_{16} 4 19.3 171°.51 3°.0/21.9 17

3 12	14 15.59	−22 3.6	1.971	2.738	15.6	21.4
3 22	14 11.46	−21 59.2	1.881	2.740	12.7	21.2
4 1	14 4.97	−21 37.0	1.811	2.742	9.3	21.0
4 11	13 56.72	−20 57.2	1.765	2.744	5.6	20.8
4 21	13 47.62	−20 2.6	1.747	2.745	3.1	20.6
5 1	13 38.72	−18 58.2	1.756	2.745	5.0	20.7
5 11	13 31.01	−17 51.0	1.792	2.746	8.6	21.0
5 21	13 25.24	−16 47.8	1.853	2.746	12.2	21.2

238444 2004 PF_{58} 4 19.3 261°.89 2°.5/20.9 16

3 12	14 16.89	−18 51.4	1.598	2.390	17.7	21.5
3 22	14 13.30	−18 53.7	1.495	2.373	14.4	21.3
4 1	14 6.72	−18 38.0	1.412	2.356	10.3	21.0
4 11	13 57.75	−18 3.9	1.352	2.338	5.8	20.7
4 21	13 47.37	−17 13.8	1.317	2.319	2.5	20.4
5 1	13 36.93	−16 13.4	1.309	2.301	5.9	20.6
5 11	13 27.80	−15 10.9	1.326	2.281	10.8	20.8
5 21	13 21.04	−14 14.8	1.366	2.262	15.4	21.0

439394 2013 AZ_{130} 4 19.3 137°.94 4°.2/14.9 17

3 12	14 12.58	+ 0 31.7	2.395	3.213	11.7	20.8
3 22	14 8.45	+ 1 16.6	2.319	3.216	9.1	20.7
4 1	14 2.58	+ 2 2.7	2.267	3.220	6.4	20.5
4 11	13 55.51	+ 2 45.3	2.242	3.223	4.4	20.4
4 21	13 47.90	+ 3 19.9	2.246	3.226	4.7	20.4
5 1	13 40.48	+ 3 42.5	2.277	3.229	7.0	20.5
5 11	13 33.97	+ 3 50.7	2.334	3.232	9.7	20.7
5 21	13 28.88	+ 3 43.9	2.415	3.234	12.2	20.9

105961 2000 SY_{257} 4 19.3 202°.80 0°.9/18.1 18

3 12	14 11.61	− 9 54.2	3.034	3.825	10.1	21.1
3 22	14 7.42	− 9 24.1	2.935	3.820	7.8	20.9
4 1	14 1.78	− 8 47.4	2.862	3.815	5.2	20.7
4 11	13 55.13	− 8 6.4	2.816	3.809	2.4	20.5
4 21	13 47.98	− 7 24.3	2.801	3.803	1.3	20.4
5 1	13 40.92	− 6 44.4	2.816	3.797	4.0	20.6
5 11	13 34.54	− 6 10.1	2.859	3.789	6.8	20.8
5 21	13 29.28	− 5 44.0	2.928	3.782	9.4	20.9

357972 2006 BU_{110} 4 19.3 87°.13 4°.0/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 19.16	−20 41.3	1.445	2.235	19.3	21.1
3 22	14 15.06	−21 9.3	1.370	2.243	15.7	20.9
4 1	14 7.80	−21 18.3	1.314	2.252	11.5	20.7
4 11	13 58.15	−21 7.3	1.280	2.260	7.0	20.4
4 21	13 47.33	−20 37.9	1.270	2.268	4.0	20.3
5 1	13 36.83	−19 55.1	1.286	2.276	6.3	20.4
5 11	13 28.04	−19 7.3	1.328	2.284	10.6	20.7
5 21	13 21.90	−18 22.6	1.391	2.293	14.8	20.9

501515 2014 DB_{127} 4 19.3 115°.65 3°.8/22.9 17

3 12	14 14.91	−24 12.0	2.447	3.191	13.6	21.5
3 22	14 10.49	−24 32.3	2.357	3.198	11.2	21.4
4 1	14 4.09	−24 38.1	2.289	3.205	8.5	21.2
4 11	13 56.27	−24 29.1	2.246	3.212	5.7	21.0
4 21	13 47.75	−24 6.1	2.230	3.219	3.8	20.9
5 1	13 39.38	−23 32.1	2.243	3.226	4.7	21.0
5 11	13 31.99	−22 51.7	2.284	3.233	7.3	21.2
5 21	13 26.19	−22 10.0	2.350	3.239	10.0	21.4

171929 2001 SQ_{158} 4 19.3 77°.79 3°.0/22.2 17

3 12	14 17.69	−21 36.4	2.378	3.129	13.7	20.1
3 22	14 12.44	−21 54.3	2.309	3.158	11.1	20.0
4 1	14 5.24	−21 58.8	2.262	3.187	8.1	19.9
4 11	13 56.72	−21 49.9	2.242	3.216	5.0	19.7
4 21	13 47.67	−21 29.2	2.250	3.244	3.0	19.6
5 1	13 38.95	−21 0.0	2.286	3.272	4.4	19.8
5 11	13 31.34	−20 26.8	2.351	3.300	7.1	20.0
5 21	13 25.39	−19 54.2	2.442	3.327	9.9	20.2

88649 2001 RO_{67} 4 19.3 185°.66 0°.8/19.9 17

3 12	14 14.69	−16 19.3	2.067	2.854	14.3	20.2
3 22	14 10.57	−15 54.2	1.976	2.854	11.4	20.0
4 1	14 4.26	−15 15.0	1.907	2.854	7.8	19.7
4 11	13 56.38	−14 23.6	1.863	2.853	3.9	19.5
4 21	13 47.73	−13 24.2	1.848	2.852	0.9	19.3
5 1	13 39.25	−12 22.1	1.861	2.850	4.7	19.5
5 11	13 31.86	−11 23.7	1.901	2.848	8.7	19.8
5 21	13 26.22	−10 34.1	1.966	2.846	12.2	20.0

23353 9518 *P–L* 4 19.3 312°.42 0°.6/19.6 18

3 12	14 13.45	−13 47.0	1.434	2.255	17.9	17.9
3 22	14 10.78	−13 48.1	1.339	2.238	14.3	17.6
4 1	14 5.11	−13 34.6	1.264	2.221	9.9	17.3
4 11	13 57.03	−13 8.3	1.211	2.204	4.8	16.9
4 21	13 47.56	−12 32.6	1.183	2.187	1.0	16.6
5 1	13 38.05	−11 53.8	1.180	2.172	6.4	16.9
5 11	13 29.92	−11 19.2	1.201	2.156	11.7	17.2
5 21	13 24.22	−10 55.1	1.242	2.142	16.4	17.4

317459 2002 RY_{21} 4 19.3 276°.55 1°.3/18.3 17

3 12	14 14.63	−10 56.1	1.698	2.513	15.8	21.5
3 22	14 11.20	−10 25.3	1.595	2.492	12.5	21.2
4 1	14 5.12	− 9 41.3	1.513	2.471	8.4	20.9
4 11	13 56.95	− 8 47.4	1.455	2.449	3.9	20.6
4 21	13 47.58	− 7 48.9	1.424	2.427	1.9	20.4
5 1	13 38.18	− 6 52.7	1.420	2.405	6.6	20.7
5 11	13 29.92	− 6 6.1	1.442	2.383	11.3	20.9
5 21	13 23.74	− 5 34.3	1.485	2.361	15.6	21.1

199565 2006 EH_{43} 4 19.3 224°.93 1°.3/17.9 17

3 12	14 13.72	− 9 56.6	2.274	3.075	12.7	21.8
3 22	14 9.61	− 9 20.7	2.176	3.067	9.9	21.6
4 1	14 3.54	− 8 35.4	2.102	3.058	6.6	21.3
4 11	13 56.04	− 7 44.2	2.055	3.048	3.0	21.1
4 21	13 47.81	− 6 51.2	2.036	3.038	1.8	21.0
5 1	13 39.67	− 6 1.6	2.046	3.028	5.3	21.2
5 11	13 32.45	− 5 20.2	2.084	3.017	8.9	21.4
5 21	13 26.77	− 4 50.5	2.146	3.006	12.1	21.6

503448 2016 EB_{112} 4 19.3 316°.25 3°.7/16.5 17

3 12	14 9.66	− 7 14.6	1.330	2.177	17.6	21.3
3 22	14 7.94	− 6 20.7	1.236	2.152	13.8	21.0
4 1	14 3.26	− 5 12.1	1.162	2.128	9.3	20.7
4 11	13 56.20	− 3 55.2	1.111	2.104	4.9	20.4
4 21	13 47.74	− 2 38.8	1.084	2.082	4.5	20.3
5 1	13 39.24	− 1 33.2	1.080	2.059	9.2	20.5
5 11	13 32.11	− 0 47.3	1.099	2.038	14.3	20.7
5 21	13 27.37	− 0 26.3	1.137	2.018	19.0	20.9

96904 1999 TN_{95} 4 19.3 193°.83 2°.2/17.4 18

3 12	14 15.70	− 6 11.3	2.155	2.963	13.1	19.1
3 22	14 11.16	− 5 48.4	2.068	2.962	10.2	18.9
4 1	14 4.58	− 5 19.7	2.004	2.961	6.8	18.7
4 11	13 56.51	− 4 48.9	1.967	2.959	3.4	18.5
4 21	13 47.72	− 4 20.0	1.958	2.957	2.6	18.4
5 1	13 39.09	− 3 57.3	1.978	2.955	5.9	18.6
5 11	13 31.49	− 3 44.3	2.025	2.952	9.4	18.8
5 21	13 25.53	− 3 43.2	2.095	2.950	12.5	19.0

344413 2002 *BC* 4 19.3 120°.24 6°.2/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 14.13	+10 23.5	2.747	3.552	10.7	21.2
3 22	14 9.31	+11 16.4	2.689	3.567	8.7	21.1
4 1	14 2.98	+12 3.9	2.656	3.581	7.0	21.0
4 11	13 55.65	+12 41.3	2.650	3.594	6.2	21.0
4 21	13 47.92	+13 4.5	2.672	3.608	6.8	21.0
5 1	13 40.46	+13 11.1	2.721	3.621	8.3	21.1
5 11	13 33.86	+13 0.3	2.795	3.633	10.1	21.3
5 21	13 28.58	+12 33.0	2.891	3.646	11.9	21.4

438419 2006 VT_{67} 4 19.3 114°.22 3°.5/23.7 17

3 12	14 12.00	−26 54.3	2.707	3.435	12.7	21.2
3 22	14 7.98	−26 37.3	2.618	3.448	10.5	21.0
4 1	14 2.26	−26 3.8	2.552	3.461	8.0	20.9
4 11	13 55.37	−25 14.4	2.510	3.473	5.4	20.7
4 21	13 47.98	−24 11.3	2.497	3.485	3.6	20.6
5 1	13 40.82	−22 58.5	2.513	3.497	4.2	20.7
5 11	13 34.57	−21 41.7	2.558	3.508	6.5	20.9
5 21	13 29.73	−20 26.2	2.629	3.520	9.1	21.0

210756 2000 WT_{15} 4 19.3 111°.43 1°.9/18.0 18

3 12	14 19.07	− 7 43.7	1.582	2.400	16.7	20.4
3 22	14 14.46	− 7 29.0	1.508	2.407	13.0	20.2
4 1	14 7.10	− 7 6.3	1.456	2.414	8.6	19.9
4 11	13 57.75	− 6 39.3	1.428	2.421	4.0	19.7
4 21	13 47.48	− 6 12.9	1.427	2.428	2.5	19.6
5 1	13 37.55	− 5 52.6	1.452	2.435	6.8	19.9
5 11	13 29.10	− 5 42.9	1.503	2.442	11.2	20.1
5 21	13 22.94	− 5 46.5	1.576	2.448	15.0	20.4

455591 2004 SV_{26} 4 19.3 92°.82 0°.2/19.1 16

3 12	14 25.20	−12 27.1	1.910	2.693	15.5	22.9
3 22	14 18.32	−12 9.5	1.856	2.734	12.0	22.8
4 1	14 9.13	−11 41.3	1.825	2.774	8.0	22.6
4 11	13 58.48	−11 5.4	1.820	2.812	3.6	22.4
4 21	13 47.37	−10 26.0	1.845	2.849	0.9	22.2
5 1	13 36.89	− 9 48.2	1.900	2.885	5.1	22.6
5 11	13 27.96	− 9 16.7	1.982	2.920	8.9	22.9
5 21	13 21.13	− 8 55.0	2.090	2.954	12.2	23.2

295995 2008 YV_{93} 4 19.3 256°.68 4°.5/16.0 16

3 12	14 16.32	− 3 45.5	1.560	2.390	16.3	21.0
3 22	14 12.57	− 2 53.4	1.472	2.377	12.8	20.8
4 1	14 6.04	− 1 53.3	1.405	2.365	8.8	20.5
4 11	13 57.37	− 0 51.6	1.363	2.352	5.2	20.3
4 21	13 47.55	+ 0 4.0	1.346	2.338	5.2	20.2
5 1	13 37.84	+ 0 45.7	1.356	2.325	8.9	20.4
5 11	13 29.46	+ 1 8.0	1.389	2.311	13.3	20.6
5 21	13 23.31	+ 1 8.6	1.444	2.297	17.2	20.8

88568 2001 QG_{244} 4 19.3 249°.43 2°.9/16.7 18

3 12	14 13.98	− 6 33.4	1.909	2.727	14.2	20.1
3 22	14 10.22	− 5 43.3	1.815	2.715	11.1	19.9
4 1	14 4.18	− 4 44.1	1.744	2.703	7.4	19.6
4 11	13 56.43	− 3 40.8	1.699	2.691	3.9	19.4
4 21	13 47.79	− 2 39.4	1.682	2.678	3.5	19.3
5 1	13 39.24	− 1 46.4	1.692	2.665	7.0	19.5
5 11	13 31.77	− 1 7.5	1.728	2.652	10.9	19.7
5 21	13 26.10	− 0 45.7	1.786	2.638	14.4	19.9

20530 Johnayres 4 19.3 240°.88 0°.2/19.0 18

3 12	14 11.62	−12 37.4	2.727	3.516	11.2	19.8
3 22	14 7.70	−12 13.6	2.623	3.505	8.8	19.6
4 1	14 2.14	−11 41.0	2.542	3.493	5.9	19.4
4 11	13 55.39	−11 1.6	2.488	3.481	2.7	19.2
4 21	13 48.02	−10 18.6	2.464	3.468	0.7	19.0
5 1	13 40.71	− 9 35.6	2.469	3.455	4.0	19.2
5 11	13 34.14	− 8 56.7	2.503	3.442	7.2	19.4
5 21	13 28.82	− 8 25.2	2.562	3.429	10.1	19.6

61271 2000 OE_{31} 4 19.3 320°.70 0°.5/18.9 18

3 12	14 8.81	−14 38.4	1.221	2.059	19.4	18.3
3 22	14 7.52	−13 55.6	1.133	2.043	15.4	18.0
4 1	14 3.10	−12 49.5	1.064	2.027	10.5	17.6
4 11	13 56.17	−11 24.0	1.017	2.012	4.8	17.3
4 21	13 47.84	− 9 46.9	0.993	1.998	1.4	17.0
5 1	13 39.58	− 8 9.8	0.993	1.984	7.5	17.3
5 11	13 32.88	− 6 45.1	1.016	1.971	13.3	17.6
5 21	13 28.78	− 5 41.8	1.058	1.959	18.4	17.8

337105 1999 RR_{15} 4 19.3 240°.72 6°.1/24.2 18

3 12	14 19.83	−29 1.7	2.343	3.055	14.9	21.2
3 22	14 14.86	−29 52.1	2.230	3.041	12.8	21.0
4 1	14 7.42	−30 27.1	2.139	3.027	10.3	20.8
4 11	13 58.02	−30 43.7	2.071	3.013	7.8	20.6
4 21	13 47.45	−30 40.3	2.030	2.998	6.2	20.5
5 1	13 36.77	−30 18.0	2.016	2.983	6.6	20.5
5 11	13 27.08	−29 41.0	2.030	2.967	8.8	20.6
5 21	13 19.23	−28 55.6	2.069	2.951	11.5	20.7

485889 2012 FR_{43} 4 19.3 242°.82 16°.3/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 32.19	+22 36.1	1.293	2.090	20.8	20.7
3 22	14 25.72	+23 56.2	1.228	2.079	18.7	20.5
4 1	14 15.25	+24 55.6	1.181	2.067	17.0	20.3
4 11	14 1.71	+25 19.2	1.154	2.055	16.3	20.3
4 21	13 46.72	+24 55.9	1.147	2.042	17.2	20.3
5 1	13 32.22	+23 41.7	1.162	2.029	19.2	20.3
5 11	13 20.02	+21 41.4	1.196	2.015	21.9	20.5
5 21	13 11.18	+19 5.3	1.247	2.001	24.7	20.6

181172 2005 SQ_{66} 4 19.3 153°.55 2°.2/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.46	− 8 28.0	2.596	3.403	11.2	19.9
3 22	14 5.97	− 7 11.6	2.510	3.406	8.6	19.7
4 1	14 0.92	− 5 46.6	2.451	3.408	5.7	19.6
4 11	13 54.79	− 4 17.6	2.419	3.411	2.9	19.4
4 21	13 48.18	− 2 50.0	2.418	3.414	2.7	19.4
5 1	13 41.73	− 1 29.5	2.446	3.416	5.4	19.6
5 11	13 36.08	− 0 20.8	2.502	3.418	8.3	19.7
5 21	13 31.70	+ 0 33.0	2.583	3.420	11.0	19.9

178402 1998 QZ_{2} 4 19.3 228°.22 5°.8/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.21	+ 2 25.2	2.181	2.998	12.7	21.1
3 22	14 10.85	+ 3 47.1	2.090	2.985	10.1	20.9
4 1	14 4.44	+ 5 12.1	2.024	2.971	7.5	20.7
4 11	13 56.51	+ 6 33.0	1.985	2.956	5.9	20.6
4 21	13 47.80	+ 7 43.1	1.974	2.940	6.6	20.6
5 1	13 39.19	+ 8 36.0	1.991	2.924	9.1	20.7
5 11	13 31.52	+ 9 8.0	2.033	2.906	12.0	20.9
5 21	13 25.46	+ 9 18.0	2.097	2.888	14.7	21.0

178083 2006 SR_{168} 4 19.3 87°.35 3°.2/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.75	−22 30.0	2.410	3.160	13.5	21.1
3 22	14 11.05	−22 46.1	2.332	3.179	11.0	20.9
4 1	14 4.41	−22 48.4	2.275	3.198	8.2	20.8
4 11	13 56.43	−22 36.9	2.245	3.217	5.2	20.6
4 21	13 47.84	−22 12.9	2.242	3.235	3.3	20.5
5 1	13 39.49	−21 39.8	2.267	3.253	4.4	20.6
5 11	13 32.18	−21 2.2	2.321	3.271	7.1	20.8
5 21	13 26.48	−20 24.7	2.401	3.289	9.9	21.0

437081 2012 UH_{71} 4 19.3 128°.90 0°.7/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.64	−10 41.3	2.215	3.016	13.0	22.0
3 22	14 9.53	−10 22.9	2.130	3.019	10.2	21.8
4 1	14 3.47	− 9 56.0	2.068	3.022	6.8	21.6
4 11	13 56.02	− 9 23.3	2.032	3.025	3.1	21.4
4 21	13 47.92	− 8 48.5	2.025	3.028	1.2	21.2
5 1	13 39.99	− 8 15.7	2.046	3.031	4.9	21.5
5 11	13 33.05	− 7 49.2	2.095	3.034	8.4	21.7
5 21	13 27.69	− 7 32.0	2.167	3.037	11.6	21.9

12279 Laon 4 19.3 351°.35 6°.0/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.92	+ 2 7.3	1.698	2.532	15.0	16.7
3 22	14 10.28	+ 2 54.6	1.625	2.530	11.8	16.5
4 1	14 4.24	+ 3 42.3	1.573	2.527	8.6	16.3
4 11	13 56.45	+ 4 23.5	1.546	2.526	6.2	16.1
4 21	13 47.83	+ 4 51.8	1.545	2.524	6.6	16.2
5 1	13 39.46	+ 5 2.1	1.570	2.523	9.4	16.3
5 11	13 32.35	+ 4 51.7	1.618	2.522	12.8	16.5
5 21	13 27.21	+ 4 21.1	1.687	2.522	15.9	16.7

379419 2010 AD_{75} 4 19.3 141°.26 4°.5/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.59	+ 0 45.2	2.273	3.087	12.4	21.4
3 22	14 10.83	+ 1 34.7	2.202	3.097	9.6	21.2
4 1	14 4.22	+ 2 25.2	2.155	3.106	6.8	21.0
4 11	13 56.32	+ 3 11.7	2.136	3.115	4.7	20.9
4 21	13 47.87	+ 3 49.2	2.145	3.124	5.0	21.0
5 1	13 39.69	+ 4 13.6	2.182	3.132	7.4	21.1
5 11	13 32.52	+ 4 22.5	2.245	3.139	10.1	21.3
5 21	13 26.91	+ 4 15.3	2.331	3.146	12.7	21.5

111640 2002 AH_{158} 4 19.3 106°.41 5°.5/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.23	+ 3 36.0	2.379	3.203	11.6	19.8
3 22	14 6.69	+ 4 49.3	2.307	3.204	9.1	19.7
4 1	14 1.46	+ 6 2.7	2.260	3.206	6.8	19.5
4 11	13 55.06	+ 7 10.2	2.239	3.208	5.5	19.4
4 21	13 48.13	+ 8 6.3	2.247	3.209	6.2	19.5
5 1	13 41.39	+ 8 46.3	2.281	3.211	8.2	19.6
5 11	13 35.52	+ 9 7.7	2.341	3.213	10.7	19.8
5 21	13 31.02	+ 9 10.2	2.422	3.214	13.0	19.9

66951 1999 XN_{13} 4 19.3 229°.64 4°.6/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.83	+ 0 26.5	2.304	3.121	12.1	19.4
3 22	14 9.64	+ 1 22.9	2.214	3.111	9.5	19.2
4 1	14 3.54	+ 2 21.9	2.149	3.101	6.8	19.0
4 11	13 56.07	+ 3 18.2	2.111	3.090	4.8	18.9
4 21	13 47.91	+ 4 6.4	2.100	3.079	5.2	18.9
5 1	13 39.86	+ 4 41.4	2.118	3.067	7.6	19.0
5 11	13 32.71	+ 5 0.1	2.162	3.055	10.5	19.2
5 21	13 27.05	+ 5 1.4	2.228	3.043	13.3	19.3

328454 2008 TY_{175} 4 19.3 56°.78 1°.0/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 7.48	−10 50.0	2.902	3.702	10.3	20.6
3 22	14 4.27	−10 0.8	2.821	3.711	7.9	20.5
4 1	13 59.70	− 9 3.9	2.765	3.721	5.2	20.3
4 11	13 54.21	− 8 2.4	2.737	3.730	2.4	20.1
4 21	13 48.31	− 7 0.3	2.738	3.740	1.4	20.0
5 1	13 42.58	− 6 1.6	2.769	3.749	4.1	20.3
5 11	13 37.55	− 5 10.1	2.827	3.759	6.9	20.4
5 21	13 33.64	− 4 28.6	2.912	3.769	9.3	20.6

63784 2001 RK_{9} 4 19.3 92°.78 7°.1/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.39	−35 42.7	1.617	2.326	20.7	18.8
3 22	14 14.92	−35 14.3	1.545	2.351	17.7	18.6
4 1	14 7.42	−34 11.8	1.490	2.374	14.2	18.4
4 11	13 57.86	−32 33.8	1.456	2.398	10.5	18.3
4 21	13 47.57	−30 23.8	1.447	2.421	7.6	18.2
5 1	13 37.99	−27 51.4	1.465	2.443	7.4	18.2
5 11	13 30.30	−25 10.8	1.511	2.465	9.9	18.4
5 21	13 25.21	−22 35.9	1.582	2.486	13.2	18.6

91028 1998 DU_{37} 4 19.3 304°.19 1°.8/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.47	−16 52.0	1.670	2.472	16.6	19.4
3 22	14 10.58	−16 57.4	1.558	2.443	13.5	19.1
4 1	14 4.93	−16 47.4	1.466	2.414	9.6	18.8
4 11	13 57.01	−16 22.4	1.397	2.385	5.2	18.4
4 21	13 47.67	−15 44.5	1.353	2.357	1.9	18.1
5 1	13 38.14	−14 58.5	1.336	2.328	5.7	18.3
5 11	13 29.71	−14 11.6	1.344	2.300	10.6	18.5
5 21	13 23.41	−13 30.8	1.374	2.272	15.2	18.7

342551 2008 UA_{239} 4 19.3 190°.64 2°.6/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.84	−20 1.7	2.087	2.860	14.7	21.6
3 22	14 10.79	−20 9.4	1.995	2.860	11.9	21.4
4 1	14 4.51	−20 2.6	1.924	2.859	8.6	21.2
4 11	13 56.58	−19 41.6	1.878	2.859	5.1	21.0
4 21	13 47.82	−19 8.4	1.859	2.858	2.6	20.8
5 1	13 39.19	−18 26.8	1.868	2.858	4.7	20.9
5 11	13 31.64	−17 42.6	1.904	2.857	8.2	21.2
5 21	13 25.88	−17 1.0	1.965	2.856	11.6	21.4

89020 2001 TK_{91} 4 19.3 292°.49 1°.9/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.52	−17 4.4	1.684	2.483	16.6	20.1
3 22	14 11.21	−17 8.7	1.585	2.468	13.4	19.8
4 1	14 5.19	−16 57.8	1.507	2.454	9.5	19.6
4 11	13 57.04	−16 32.2	1.452	2.440	5.1	19.3
4 21	13 47.70	−15 54.3	1.422	2.425	1.9	19.0
5 1	13 38.36	−15 9.4	1.420	2.411	5.5	19.2
5 11	13 30.25	−14 24.4	1.442	2.397	10.1	19.4
5 21	13 24.28	−13 45.7	1.488	2.383	14.4	19.7

111815 2002 CS_{303} 4 19.3 173°.22 0°.1/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.65	−12 55.9	2.788	3.575	11.0	21.7
3 22	14 7.61	−12 32.9	2.696	3.577	8.6	21.5
4 1	14 2.00	−12 1.4	2.628	3.578	5.8	21.3
4 11	13 55.31	−11 23.5	2.587	3.580	2.7	21.1
4 21	13 48.10	−10 42.3	2.576	3.580	0.6	20.9
5 1	13 41.02	−10 1.3	2.595	3.581	3.8	21.2
5 11	13 34.70	− 9 24.3	2.641	3.582	6.9	21.4
5 21	13 29.62	− 8 54.3	2.714	3.582	9.6	21.6

370048 2000 SF_{224} 4 19.3 191°.10 0°.8/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.74	−14 17.3	2.474	3.248	12.6	21.9
3 22	14 13.38	−14 23.1	2.375	3.246	10.0	21.7
4 1	14 6.04	−14 20.0	2.300	3.244	6.9	21.5
4 11	13 57.24	−14 8.9	2.252	3.241	3.4	21.2
4 21	13 47.69	−13 51.9	2.234	3.238	0.9	21.0
5 1	13 38.23	−13 31.9	2.246	3.234	4.2	21.3
5 11	13 29.70	−13 12.6	2.286	3.229	7.6	21.5
5 21	13 22.72	−12 57.5	2.353	3.224	10.7	21.7

410367 2007 VZ_{144} 4 19.3 196°.93 1°.4/18.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.32	− 9 59.5	2.062	2.861	13.9	22.5
3 22	14 12.60	− 9 22.3	1.969	2.858	10.9	22.2
4 1	14 5.66	− 8 34.9	1.900	2.855	7.3	22.0
4 11	13 57.10	− 7 41.0	1.857	2.850	3.3	21.7
4 21	13 47.72	− 6 45.3	1.843	2.845	1.9	21.6
5 1	13 38.49	− 5 53.5	1.857	2.838	5.7	21.9
5 11	13 30.34	− 5 11.0	1.899	2.831	9.6	22.1
5 21	13 23.97	− 4 41.4	1.965	2.824	13.1	22.3

169679 2002 JB_{104} 4 19.3 13°.70 3°.1/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.65	− 7 19.9	1.356	2.195	17.8	19.8
3 22	14 10.69	− 6 37.1	1.285	2.196	13.8	19.5
4 1	14 4.83	− 5 43.1	1.234	2.197	9.2	19.3
4 11	13 56.82	− 4 44.3	1.206	2.199	4.6	19.0
4 21	13 47.78	− 3 48.2	1.203	2.202	3.8	19.0
5 1	13 39.06	− 3 3.1	1.224	2.205	8.1	19.2
5 11	13 31.90	− 2 35.1	1.269	2.208	12.8	19.5
5 21	13 27.14	− 2 27.3	1.335	2.212	16.9	19.7

48041 2001 DE_{71} 4 19.3 313°.34 2°.4/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 11.21	−10 3.6	1.449	2.283	17.1	18.9
3 22	14 8.78	− 9 9.3	1.364	2.272	13.4	18.6
4 1	14 3.59	− 7 59.4	1.299	2.262	8.9	18.3
4 11	13 56.29	− 6 39.5	1.257	2.252	4.2	18.0
4 21	13 47.88	− 5 17.6	1.241	2.242	3.1	17.9
5 1	13 39.62	− 4 3.2	1.251	2.233	7.7	18.2
5 11	13 32.73	− 3 4.7	1.284	2.224	12.5	18.4
5 21	13 28.09	− 2 27.3	1.338	2.216	16.8	18.7

46838 1998 QS_{13} 4 19.3 270°.83 0°.4/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.79	−14 21.7	1.798	2.598	15.7	19.8
3 22	14 12.06	−14 7.0	1.689	2.576	12.5	19.5
4 1	14 5.72	−13 38.1	1.602	2.554	8.6	19.2
4 11	13 57.30	−12 56.8	1.539	2.530	4.2	18.9
4 21	13 47.65	−12 6.6	1.502	2.507	0.8	18.6
5 1	13 37.92	−11 13.2	1.494	2.483	5.7	18.9
5 11	13 29.28	−10 23.7	1.511	2.459	10.4	19.1
5 21	13 22.66	− 9 44.1	1.551	2.434	14.6	19.3

426198 2012 KK_2 4 19.3 305°.57 8°.3/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.14	+ 3 31.7	1.561	2.407	15.4	20.4
3 22	14 7.83	+ 5 19.7	1.471	2.381	12.5	20.2
4 1	14 2.93	+ 7 13.7	1.404	2.355	9.7	19.9
4 11	13 56.01	+ 9 2.9	1.361	2.329	8.3	19.8
4 21	13 47.93	+10 36.1	1.343	2.303	9.6	19.8
5 1	13 39.86	+11 43.3	1.348	2.278	12.7	19.9
5 11	13 32.97	+12 18.6	1.376	2.253	16.3	20.0
5 21	13 28.13	+12 20.9	1.421	2.228	19.7	20.2

35238 1995 QR_1 4 19.3 279°.88 0°.9/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.89	−11 43.8	1.852	2.663	14.9	19.7
3 22	14 9.47	−11 12.8	1.760	2.655	11.6	19.5
4 1	14 3.73	−10 29.6	1.690	2.647	7.8	19.2
4 11	13 56.26	− 9 37.4	1.646	2.639	3.5	18.9
4 21	13 47.90	− 8 41.3	1.628	2.631	1.4	18.8
5 1	13 39.66	− 7 47.4	1.637	2.623	5.7	19.0
5 11	13 32.54	− 7 1.8	1.673	2.616	10.0	19.3
5 21	13 27.28	− 6 29.2	1.732	2.608	13.7	19.5

128215 2003 SL_{77} 4 19.3 309°.29 3°.4/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.69	−21 52.3	1.771	2.554	16.5	19.3
3 22	14 8.92	−21 54.5	1.670	2.539	13.6	19.0
4 1	14 3.60	−21 37.7	1.588	2.523	10.0	18.8
4 11	13 56.30	−21 1.6	1.529	2.509	6.2	18.5
4 21	13 47.89	−20 8.2	1.496	2.494	3.4	18.3
5 1	13 39.50	−19 2.7	1.489	2.480	5.4	18.4
5 11	13 32.28	−17 52.8	1.507	2.466	9.5	18.6
5 21	13 27.10	−16 46.5	1.549	2.452	13.5	18.8

372517 2009 SW_{312} 4 19.3 166°.89 4°.4/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.51	−27 1.0	2.635	3.350	13.3	22.5
3 22	14 14.02	−27 25.9	2.538	3.356	11.2	22.3
4 1	14 6.48	−27 36.0	2.462	3.361	8.7	22.2
4 11	13 57.45	−27 29.9	2.412	3.366	6.2	22.0
4 21	13 47.67	−27 8.0	2.390	3.370	4.5	21.9
5 1	13 38.02	−26 32.6	2.397	3.373	5.1	22.0
5 11	13 29.33	−25 48.3	2.433	3.375	7.3	22.1
5 21	13 22.27	−25 0.3	2.495	3.377	9.8	22.3

437371 2013 VO_9 4 19.3 207°.34 5°.5/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 35.71	+ 2 19.2	1.234	2.048	20.6	20.8
3 22	14 28.66	+ 1 58.3	1.153	2.046	16.6	20.6
4 1	14 17.44	+ 1 31.2	1.091	2.042	11.7	20.3
4 11	14 2.88	+ 0 52.4	1.052	2.038	7.0	20.0
4 21	13 46.52	− 0 2.1	1.040	2.034	5.9	19.9
5 1	13 30.41	− 1 13.5	1.055	2.029	10.2	20.1
5 11	13 16.53	− 2 40.4	1.095	2.023	15.4	20.4
5 21	13 6.13	− 4 19.2	1.157	2.017	20.1	20.6

323081 2002 TE_{175} 4 19.3 266°.00 3°.9/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.87	−21 53.1	1.864	2.631	16.4	21.2
3 22	14 13.82	−22 15.4	1.751	2.610	13.6	21.0
4 1	14 7.01	−22 21.4	1.658	2.588	10.2	20.7
4 11	13 57.95	−22 9.7	1.589	2.565	6.5	20.4
4 21	13 47.54	−21 40.5	1.547	2.542	3.9	20.2
5 1	13 36.97	−20 57.2	1.531	2.519	5.8	20.3
5 11	13 27.51	−20 6.0	1.542	2.495	9.8	20.5
5 21	13 20.16	−19 14.4	1.577	2.471	13.8	20.6

498584 2008 QU_{13} 4 19.3 238°.46 2°.7/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.96	− 6 51.4	2.007	2.823	13.7	22.2
3 22	14 9.27	− 6 1.0	1.918	2.817	10.6	21.9
4 1	14 3.46	− 5 1.9	1.852	2.811	7.1	21.7
4 11	13 56.10	− 3 59.0	1.812	2.804	3.6	21.5
4 21	13 47.97	− 2 58.0	1.800	2.797	3.3	21.4
5 1	13 39.98	− 2 5.1	1.816	2.790	6.6	21.6
5 11	13 33.02	− 1 25.3	1.858	2.782	10.3	21.8
5 21	13 27.75	− 1 1.7	1.923	2.775	13.6	22.0

9190 Masako 4 19.3 140°.02 2°.9/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 18.77	−21 23.8	2.107	2.866	15.0	18.1
3 22	14 13.71	−21 25.7	2.024	2.879	12.2	18.0
4 1	14 6.37	−21 11.7	1.962	2.891	8.8	17.8
4 11	13 57.42	−20 42.2	1.925	2.903	5.3	17.6
4 21	13 47.71	−19 59.5	1.915	2.913	2.9	17.4
5 1	13 38.27	−19 8.0	1.935	2.923	4.7	17.6
5 11	13 30.04	−18 13.8	1.983	2.933	8.1	17.8
5 21	13 23.69	−17 22.7	2.055	2.942	11.4	18.0

24921 1997 EE_{32} 4 19.3 23°.37 0°.8/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.12	−12 24.7	1.301	2.134	18.7	18.5
3 22	14 9.62	−11 54.7	1.233	2.140	14.6	18.2
4 1	14 4.16	−11 8.5	1.184	2.146	9.8	18.0
4 11	13 56.53	−10 10.8	1.158	2.153	4.4	17.7
4 21	13 47.89	− 9 8.5	1.157	2.161	1.5	17.5
5 1	13 39.63	− 8 10.2	1.180	2.169	6.9	17.9
5 11	13 33.00	− 7 23.9	1.227	2.178	11.9	18.2
5 21	13 28.81	− 6 54.7	1.294	2.188	16.2	18.4

187793 1999 BL_{10} 4 19.3 71°.58 3°.4/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.21	− 5 35.8	1.613	2.438	16.0	19.9
3 22	14 11.95	− 4 46.8	1.556	2.460	12.3	19.8
4 1	14 5.23	− 3 50.8	1.522	2.481	8.2	19.6
4 11	13 56.85	− 2 54.0	1.512	2.503	4.4	19.4
4 21	13 47.85	− 2 3.0	1.529	2.524	4.0	19.4
5 1	13 39.33	− 1 24.0	1.572	2.546	7.5	19.7
5 11	13 32.27	− 1 1.2	1.641	2.567	11.3	19.9
5 21	13 27.30	− 0 56.1	1.731	2.588	14.6	20.2

219808 2002 AT_{180} 4 19.3 178°.63 6°.7/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.77	−30 37.9	2.178	2.887	16.0	20.2
3 22	14 14.89	−31 26.6	2.082	2.888	13.7	20.0
4 1	14 7.44	−31 57.0	2.006	2.889	11.1	19.8
4 11	13 58.04	−32 6.2	1.953	2.889	8.6	19.6
4 21	13 47.57	−31 52.9	1.925	2.890	6.9	19.5
5 1	13 37.17	−31 19.0	1.925	2.889	7.1	19.5
5 11	13 27.96	−30 29.8	1.951	2.888	9.1	19.7
5 21	13 20.78	−29 32.6	2.002	2.887	11.7	19.8

452619 2005 RZ_{31} 4 19.3 138°.17 1°.9/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.06	−17 4.1	1.514	2.311	18.3	21.7
3 22	14 15.58	−17 8.0	1.437	2.318	14.6	21.4
4 1	14 8.09	−16 55.3	1.378	2.325	10.2	21.2
4 11	13 58.35	−16 26.8	1.344	2.332	5.4	20.9
4 21	13 47.52	−15 45.9	1.335	2.338	1.9	20.7
5 1	13 37.00	−14 58.6	1.353	2.344	5.8	21.0
5 11	13 28.10	−14 12.5	1.396	2.349	10.6	21.2
5 21	13 21.70	−13 34.4	1.462	2.354	14.8	21.5

195580 2002 JY_{101} 4 19.3 280°.09 4°.7/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.69	+ 0 46.8	1.974	2.793	13.8	20.2
3 22	14 12.28	+ 1 16.1	1.880	2.778	10.9	20.0
4 1	14 5.57	+ 1 46.4	1.810	2.763	7.7	19.7
4 11	13 57.13	+ 2 12.7	1.764	2.747	5.1	19.6
4 21	13 47.77	+ 2 29.8	1.747	2.731	5.3	19.5
5 1	13 38.48	+ 2 33.2	1.756	2.716	8.1	19.7
5 11	13 30.24	+ 2 20.3	1.791	2.700	11.5	19.8
5 21	13 23.80	+ 1 50.6	1.849	2.684	14.7	20.0

42688 1998 JV_4 4 19.3 354°.16 3°.2/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.55	−20 6.3	1.142	1.971	21.0	18.0
3 22	14 6.74	−20 7.4	1.066	1.965	17.1	17.7
4 1	14 2.65	−19 43.0	1.007	1.960	12.4	17.4
4 11	13 56.00	−18 53.7	0.969	1.956	7.1	17.1
4 21	13 48.00	−17 43.8	0.952	1.954	3.2	16.9
5 1	13 40.22	−16 22.5	0.958	1.953	6.6	17.1
5 11	13 34.17	−15 2.0	0.986	1.953	12.0	17.3
5 21	13 30.87	−13 52.9	1.033	1.955	16.9	17.6

69424 1996 AG_6 4 19.3 235°.64 2°.0/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.89	−18 23.1	2.181	2.957	14.0	19.7
3 22	14 10.78	−18 24.6	2.081	2.950	11.3	19.5
4 1	14 4.51	−18 12.9	2.003	2.942	8.0	19.3
4 11	13 56.62	−17 48.6	1.950	2.935	4.5	19.1
4 21	13 47.88	−17 13.9	1.925	2.927	2.0	18.9
5 1	13 39.21	−16 32.6	1.928	2.919	4.5	19.0
5 11	13 31.54	−15 50.0	1.959	2.910	8.2	19.3
5 21	13 25.55	−15 11.3	2.015	2.902	11.6	19.4

11013 Kullander 4 19.3 265°.07 2°.3/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.35	− 8 59.8	1.659	2.478	15.9	18.4
3 22	14 11.81	− 8 16.5	1.560	2.460	12.5	18.2
4 1	14 5.59	− 7 20.6	1.482	2.441	8.4	17.9
4 11	13 57.26	− 6 16.4	1.429	2.422	4.0	17.6
4 21	13 47.74	− 5 10.5	1.402	2.403	2.9	17.4
5 1	13 38.23	− 4 10.4	1.402	2.383	7.3	17.7
5 11	13 29.91	− 3 23.5	1.428	2.363	11.9	17.9
5 21	13 23.71	− 2 54.5	1.475	2.342	16.1	18.1

455206 2001 FE_{193} 4 19.3 60°.56 0°.1/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 51.93	− 9 2.3	43.721	44.512	0.8	23.4
3 22	13 51.36	− 8 58.7	43.630	44.515	0.6	23.4
4 1	13 50.70	− 8 54.8	43.564	44.518	0.4	23.3
4 11	13 50.01	− 8 50.7	43.528	44.521	0.2	23.3
4 21	13 49.29	− 8 46.5	43.521	44.524	0.1	23.3
5 1	13 48.57	− 8 42.5	43.543	44.527	0.3	23.3
5 11	13 47.89	− 8 38.8	43.595	44.530	0.5	23.3
5 21	13 47.26	− 8 35.4	43.673	44.533	0.7	23.4

498727 2008 TF_{119} 4 19.3 183°.35 0°.1/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.93	−14 33.1	2.109	2.904	13.8	22.0
3 22	14 9.17	−13 59.0	2.019	2.904	10.9	21.8
4 1	14 3.34	−13 12.0	1.952	2.904	7.4	21.6
4 11	13 56.05	−12 14.7	1.911	2.904	3.4	21.4
4 21	13 48.03	−11 11.6	1.898	2.903	0.7	21.1
5 1	13 40.20	−10 8.3	1.914	2.902	4.8	21.4
5 11	13 33.39	− 9 10.9	1.957	2.902	8.6	21.7
5 21	13 28.24	− 8 23.9	2.025	2.900	12.0	21.9

216329 2007 VB_{9} 4 19.3 119°.06 4°.3/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.05	− 2 38.4	1.671	2.494	15.7	20.7
3 22	14 13.44	− 1 53.0	1.603	2.504	12.2	20.4
4 1	14 6.32	− 1 3.1	1.557	2.514	8.3	20.2
4 11	13 57.43	− 0 14.9	1.536	2.524	5.0	20.1
4 21	13 47.76	+ 0 25.2	1.542	2.533	4.9	20.1
5 1	13 38.47	+ 0 51.6	1.575	2.542	8.1	20.3
5 11	13 30.58	+ 1 0.7	1.633	2.551	11.9	20.5
5 21	13 24.80	+ 0 51.6	1.713	2.559	15.3	20.8

434877 2006 SY_{335} 4 19.3 247°.78 0°.8/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.65	− 9 38.5	2.543	3.337	11.8	22.2
3 22	14 10.21	− 9 26.6	2.437	3.323	9.2	22.0
4 1	14 3.95	− 9 7.9	2.355	3.308	6.2	21.7
4 11	13 56.32	− 8 44.6	2.301	3.294	2.8	21.5
4 21	13 47.97	− 8 19.5	2.275	3.278	1.2	21.3
5 1	13 39.65	− 7 56.2	2.279	3.263	4.6	21.6
5 11	13 32.11	− 7 38.0	2.311	3.247	8.0	21.7
5 21	13 25.97	− 7 27.9	2.368	3.231	11.0	21.9

268040 2004 PJ_{94} 4 19.3 293°.02 2°.2/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.66	− 8 11.4	1.737	2.558	15.2	20.6
3 22	14 10.39	− 7 40.1	1.635	2.536	12.0	20.3
4 1	14 4.59	− 6 58.4	1.554	2.514	8.1	20.0
4 11	13 56.79	− 6 10.4	1.498	2.492	3.9	19.7
4 21	13 47.86	− 5 21.6	1.469	2.470	2.8	19.6
5 1	13 38.89	− 4 38.4	1.466	2.448	6.9	19.8
5 11	13 31.02	− 4 6.9	1.489	2.426	11.4	20.0
5 21	13 25.13	− 3 51.2	1.533	2.404	15.5	20.2

403827 2011 UC_{183} 4 19.3 253°.37 1°.9/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.75	−17 45.9	1.749	2.535	16.6	22.1
3 22	14 14.58	−17 45.1	1.640	2.515	13.5	21.9
4 1	14 7.56	−17 28.0	1.550	2.494	9.6	21.6
4 11	13 58.24	−16 54.9	1.485	2.472	5.2	21.3
4 21	13 47.55	−16 8.0	1.447	2.449	1.9	21.0
5 1	13 36.73	−15 12.5	1.436	2.426	5.6	21.2
5 11	13 27.10	−14 15.9	1.451	2.402	10.4	21.4
5 21	13 19.66	−13 25.6	1.489	2.377	14.8	21.6

360563 2003 UM_{12} 4 19.3 305°.37 0°.3/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.26	−13 49.3	1.424	2.241	18.2	22.2
3 22	14 13.66	−13 43.1	1.296	2.193	14.8	21.8
4 1	14 7.71	−13 20.3	1.188	2.144	10.4	21.4
4 11	13 58.68	−12 41.3	1.101	2.094	5.1	20.9
4 21	13 47.39	−11 48.7	1.039	2.044	1.0	20.5
5 1	13 35.28	−10 49.0	1.002	1.993	7.4	20.7
5 11	13 24.09	− 9 51.8	0.988	1.941	13.9	20.9
5 21	13 15.37	− 9 6.4	0.995	1.890	19.8	21.1

368259 2001 XD_{239} 4 19.3 174°.94 4°.3/24.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.07	−27 57.1	2.571	3.288	13.6	21.7
3 22	14 12.17	−28 0.4	2.472	3.291	11.4	21.6
4 1	14 5.27	−27 46.7	2.394	3.294	8.9	21.4
4 11	13 56.92	−27 15.2	2.341	3.296	6.3	21.2
4 21	13 47.87	−26 27.1	2.315	3.297	4.4	21.1
5 1	13 38.97	−25 25.8	2.319	3.298	5.0	21.1
5 11	13 31.06	−24 16.8	2.351	3.298	7.3	21.3
5 21	13 24.77	−23 6.1	2.410	3.296	9.9	21.4

90945 1997 UE_{5} 4 19.3 137°.89 0°.6/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.03	−11 44.4	1.963	2.756	14.8	20.7
3 22	14 14.65	−11 19.4	1.887	2.772	11.5	20.5
4 1	14 6.97	−10 43.8	1.834	2.786	7.7	20.3
4 11	13 57.70	−10 0.7	1.807	2.800	3.5	20.1
4 21	13 47.72	− 9 14.5	1.809	2.813	1.2	19.9
5 1	13 38.09	− 8 30.4	1.840	2.825	5.3	20.2
5 11	13 29.73	− 7 53.7	1.898	2.836	9.3	20.5
5 21	13 23.30	− 7 28.0	1.981	2.847	12.7	20.7

109548 2001 QE_{257} 4 19.3 224°.96 1°.7/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 13.08	− 7 17.1	2.716	3.515	11.0	21.1
3 22	14 8.82	− 6 46.1	2.615	3.505	8.5	20.9
4 1	14 2.91	− 6 9.2	2.540	3.495	5.7	20.7
4 11	13 55.81	− 5 29.3	2.492	3.484	2.8	20.5
4 21	13 48.10	− 4 49.9	2.473	3.472	2.1	20.4
5 1	13 40.47	− 4 15.0	2.484	3.460	4.9	20.6
5 11	13 33.58	− 3 47.8	2.523	3.448	7.9	20.8
5 21	13 27.96	− 3 30.8	2.587	3.435	10.6	20.9

313618 2003 QU_{94} 4 19.3 171°.86 0°.8/18.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.77	−11 41.9	2.059	2.854	14.1	22.1
3 22	14 12.92	−11 11.0	1.973	2.858	11.0	21.9
4 1	14 5.86	−10 29.2	1.909	2.862	7.4	21.7
4 11	13 57.22	− 9 39.7	1.872	2.864	3.3	21.5
4 21	13 47.82	− 8 47.0	1.863	2.866	1.3	21.3
5 1	13 38.64	− 7 56.5	1.883	2.868	5.3	21.6
5 11	13 30.58	− 7 13.4	1.931	2.868	9.2	21.8
5 21	13 24.32	− 6 41.8	2.003	2.868	12.6	22.0

38369 1999 RX_{164} 4 19.3 172°.20 1°.0/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.36	−10 42.9	2.715	3.512	11.0	20.1
3 22	14 6.65	− 9 58.5	2.625	3.514	8.5	19.9
4 1	14 1.40	− 9 5.7	2.561	3.515	5.6	19.7
4 11	13 55.08	− 8 7.7	2.523	3.516	2.6	19.5
4 21	13 48.26	− 7 8.5	2.515	3.517	1.4	19.4
5 1	13 41.59	− 6 12.3	2.537	3.518	4.4	19.6
5 11	13 35.68	− 5 23.4	2.587	3.519	7.4	19.8
5 21	13 31.00	− 4 44.7	2.662	3.519	10.1	20.0

180089 2003 ER_{27} 4 19.3 322°.53 6°.4/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.46	+ 1 18.7	1.904	2.744	13.3	19.3
3 22	14 5.17	+ 3 1.0	1.818	2.726	10.6	19.0
4 1	14 0.82	+ 4 48.9	1.755	2.709	7.9	18.8
4 11	13 54.95	+ 6 33.9	1.719	2.692	6.4	18.7
4 21	13 48.28	+ 8 7.2	1.709	2.675	7.4	18.7
5 1	13 41.70	+ 9 20.9	1.725	2.660	10.1	18.9
5 11	13 36.10	+10 9.9	1.765	2.644	13.2	19.0
5 21	13 32.12	+10 32.6	1.824	2.629	16.1	19.2

430013 2013 RC 4 19.3 177°.95 0°.4/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.89	−13 47.3	2.420	3.207	12.5	21.9
3 22	14 9.59	−12 59.7	2.328	3.209	9.8	21.7
4 1	14 3.48	−12 0.4	2.260	3.211	6.5	21.5
4 11	13 56.08	−10 52.3	2.219	3.212	3.0	21.3
4 21	13 48.07	− 9 39.9	2.208	3.212	0.9	21.1
5 1	13 40.25	− 8 28.8	2.226	3.212	4.5	21.4
5 11	13 33.33	− 7 24.3	2.273	3.211	8.0	21.6
5 21	13 27.89	− 6 30.7	2.346	3.209	11.1	21.8

42310 2001 VB_{88} 4 19.3 93°.51 7°.5/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.98	+ 5 12.2	1.823	2.653	14.3	18.4
3 22	14 9.99	+ 6 55.2	1.771	2.669	11.4	18.3
4 1	14 3.84	+ 8 36.4	1.743	2.686	8.8	18.1
4 11	13 56.23	+10 6.7	1.741	2.702	7.5	18.1
4 21	13 48.06	+11 18.2	1.766	2.718	8.4	18.2
5 1	13 40.29	+12 5.3	1.816	2.734	10.7	18.4
5 11	13 33.76	+12 25.9	1.889	2.750	13.3	18.6
5 21	13 29.06	+12 21.3	1.982	2.765	15.7	18.8

480424 2015 KK_{114} 4 19.3 244°.40 4°.5/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.54	+ 1 52.3	2.445	3.260	11.6	21.6
3 22	14 9.29	+ 2 31.4	2.359	3.254	9.1	21.4
4 1	14 3.27	+ 3 10.8	2.297	3.247	6.5	21.3
4 11	13 55.99	+ 3 46.0	2.263	3.240	4.7	21.1
4 21	13 48.10	+ 4 12.6	2.256	3.233	5.0	21.1
5 1	13 40.34	+ 4 26.9	2.277	3.226	7.2	21.3
5 11	13 33.44	+ 4 26.6	2.325	3.219	9.8	21.4
5 21	13 27.94	+ 4 11.2	2.395	3.211	12.4	21.6

236695 2006 WY_{178} 4 19.3 183°.62 8°.2/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.39	+20 44.1	3.113	3.895	10.1	21.3
3 22	14 8.04	+22 10.5	3.058	3.896	9.0	21.2
4 1	14 2.24	+23 27.6	3.028	3.895	8.3	21.1
4 11	13 55.45	+24 29.8	3.023	3.895	8.3	21.1
4 21	13 48.22	+25 13.0	3.044	3.893	9.0	21.2
5 1	13 41.15	+25 34.8	3.090	3.892	10.1	21.3
5 11	13 34.83	+25 34.7	3.157	3.889	11.4	21.3
5 21	13 29.69	+25 14.2	3.242	3.887	12.6	21.5

137788 1999 XP_{238} 4 19.3 24°.56 3°.0/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.93	−20 49.9	1.424	2.225	19.0	19.5
3 22	14 10.25	−20 45.6	1.347	2.229	15.4	19.2
4 1	14 4.62	−20 19.1	1.289	2.233	11.1	19.0
4 11	13 56.81	−19 31.3	1.253	2.238	6.5	18.7
4 21	13 47.93	−18 26.1	1.242	2.243	3.1	18.5
5 1	13 39.34	−17 11.0	1.256	2.248	5.9	18.7
5 11	13 32.33	−15 56.0	1.294	2.254	10.5	19.0
5 21	13 27.74	−14 49.6	1.354	2.261	14.8	19.3

297444 2000 SE_{207} 4 19.3 239°.49 2°.7/15.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 10.93	− 4 49.0	2.806	3.613	10.4	21.4
3 22	14 7.11	− 3 54.1	2.704	3.599	8.1	21.2
4 1	14 1.76	− 2 53.4	2.628	3.584	5.5	21.0
4 11	13 55.28	− 1 51.0	2.580	3.569	3.1	20.8
4 21	13 48.24	− 0 51.2	2.562	3.553	3.1	20.8
5 1	13 41.27	+ 0 1.6	2.573	3.537	5.6	20.9
5 11	13 34.97	+ 0 43.6	2.612	3.521	8.3	21.1
5 21	13 29.86	+ 1 12.5	2.675	3.504	10.9	21.2

95169 2002 AC_{186} 4 19.3 136°.43 0°.5/19.7 18

3 12	14 20.78	−14 19.6	1.873	2.661	15.6	21.0
3 22	14 15.42	−14 8.3	1.796	2.676	12.3	20.8
4 1	14 7.60	−13 44.6	1.741	2.690	8.3	20.6
4 11	13 58.03	−13 10.5	1.712	2.703	4.0	20.4
4 21	13 47.69	−12 29.7	1.711	2.715	0.8	20.2
5 1	13 37.69	−11 47.4	1.738	2.727	5.1	20.5
5 11	13 29.04	−11 9.4	1.793	2.738	9.2	20.8
5 21	13 22.45	−10 40.1	1.872	2.748	12.9	21.0

353829 2012 UW_{88} 4 19.3 161°.72 0°.2/19.1 17

3 12	14 13.19	−12 29.1	2.807	3.591	11.0	21.9
3 22	14 8.78	−12 6.4	2.717	3.597	8.6	21.7
4 1	14 2.80	−11 35.5	2.652	3.602	5.7	21.6
4 11	13 55.74	−10 58.8	2.615	3.607	2.6	21.4
4 21	13 48.16	−10 19.0	2.607	3.611	0.7	21.2
5 1	13 40.74	− 9 39.7	2.629	3.615	3.9	21.4
5 11	13 34.10	− 9 4.7	2.680	3.618	6.9	21.6
5 21	13 28.72	− 8 36.7	2.757	3.621	9.6	21.8

375767 2009 SM_{137} 4 19.3 323°.16 0°.9/19.9 17

3 12	14 15.11	−13 36.6	1.538	2.352	17.2	20.6
3 22	14 11.87	−13 50.4	1.447	2.341	13.7	20.3
4 1	14 5.76	−13 52.1	1.375	2.330	9.5	20.1
4 11	13 57.40	−13 42.8	1.328	2.319	4.7	19.7
4 21	13 47.79	−13 25.3	1.305	2.309	1.1	19.5
5 1	13 38.22	−13 4.1	1.308	2.300	5.9	19.8
5 11	13 29.99	−12 45.2	1.336	2.291	10.8	20.0
5 21	13 24.07	−12 33.8	1.386	2.283	15.2	20.2

498017 2007 EE_{217} 4 19.3 100°.48 7°.0/23.4 17

3 12	14 25.17	−26 20.5	1.885	2.618	17.4	21.3
3 22	14 19.57	−27 48.7	1.793	2.620	14.8	21.1
4 1	14 10.92	−29 2.3	1.722	2.622	11.8	20.9
4 11	13 59.82	−29 56.6	1.675	2.624	8.8	20.7
4 21	13 47.30	−30 28.3	1.654	2.626	7.1	20.6
5 1	13 34.73	−30 37.5	1.660	2.628	7.7	20.7
5 11	13 23.53	−30 28.4	1.693	2.630	10.3	20.8
5 21	13 14.73	−30 8.2	1.750	2.631	13.3	21.0

310526 2000 YW_{133} 4 19.3 88°.15 0°.8/19.9 18

3 12	14 19.44	−15 21.7	1.609	2.407	17.3	21.3
3 22	14 14.63	−15 10.1	1.545	2.430	13.6	21.1
4 1	14 7.15	−14 43.7	1.502	2.452	9.3	20.8
4 11	13 57.83	−14 4.8	1.484	2.475	4.5	20.6
4 21	13 47.76	−13 18.0	1.492	2.496	1.0	20.4
5 1	13 38.18	−12 29.6	1.528	2.518	5.4	20.8
5 11	13 30.19	−11 46.2	1.589	2.539	9.8	21.1
5 21	13 24.46	−11 12.8	1.674	2.559	13.6	21.3

44178 1998 KY_{32} 4 19.3 340°.50 4°.6/22.1 18

3 12	14 9.54	−20 52.2	1.184	2.005	20.9	18.0
3 22	14 8.42	−21 24.2	1.099	1.991	17.3	17.7
4 1	14 3.94	−21 34.2	1.032	1.979	12.9	17.4
4 11	13 56.73	−21 20.5	0.985	1.968	8.0	17.1
4 21	13 47.93	−20 44.0	0.959	1.958	4.6	16.9
5 1	13 39.16	−19 50.5	0.956	1.949	7.1	17.0
5 11	13 32.06	−18 50.2	0.975	1.942	12.1	17.2
5 21	13 27.81	−17 53.6	1.013	1.937	17.0	17.5

80009 1999 GD_{2} 4 19.3 200°.04 2°.0/21.2 18

3 12	14 15.51	−18 23.2	2.524	3.289	12.6	19.0
3 22	14 10.94	−18 33.7	2.425	3.287	10.2	18.9
4 1	14 4.46	−18 33.3	2.348	3.284	7.3	18.7
4 11	13 56.59	−18 22.2	2.299	3.281	4.1	18.5
4 21	13 48.00	−18 2.2	2.277	3.278	2.0	18.3
5 1	13 39.49	−17 35.9	2.285	3.274	4.0	18.4
5 11	13 31.85	−17 7.5	2.322	3.271	7.2	18.6
5 21	13 25.69	−16 41.0	2.384	3.267	10.2	18.8

465074 2006 SP_{356} 4 19.3 270°.03 1°.3/18.4 17

3 12	14 17.33	−10 1.2	1.818	2.626	15.2	21.8
3 22	14 13.27	− 9 40.9	1.708	2.601	12.0	21.6
4 1	14 6.58	− 9 9.7	1.619	2.575	8.2	21.3
4 11	13 57.78	− 8 30.6	1.556	2.549	3.8	20.9
4 21	13 47.72	− 7 47.9	1.519	2.522	1.8	20.7
5 1	13 37.54	− 7 7.5	1.511	2.495	6.3	21.0
5 11	13 28.42	− 6 35.2	1.528	2.468	11.0	21.2
5 21	13 21.28	− 6 15.7	1.569	2.439	15.2	21.4

204404 2004 VJ_{2} 4 19.3 181°.13 3°.2/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 17.46	−21 44.5	1.725	2.500	17.2	21.2
3 22	14 13.36	−21 41.0	1.636	2.501	14.1	21.0
4 1	14 6.54	−21 17.8	1.567	2.501	10.3	20.7
4 11	13 57.68	−20 34.9	1.521	2.501	6.1	20.5
4 21	13 47.77	−19 35.1	1.502	2.501	3.2	20.3
5 1	13 38.07	−18 24.5	1.510	2.500	5.5	20.4
5 11	13 29.75	−17 11.3	1.544	2.499	9.6	20.7
5 21	13 23.65	−16 3.6	1.602	2.497	13.6	20.9

239404 2007 TX_{44} 4 19.3 287°.15 0°.6/18.9 17

3 12	14 15.89	−10 8.0	2.068	2.870	13.8	20.5
3 22	14 11.57	−10 8.6	1.976	2.866	10.8	20.2
4 1	14 5.05	−10 1.7	1.907	2.861	7.3	20.0
4 11	13 56.91	− 9 49.4	1.863	2.856	3.3	19.8
4 21	13 47.93	− 9 34.6	1.847	2.851	1.0	19.6
5 1	13 39.06	− 9 20.9	1.860	2.847	5.1	19.8
5 11	13 31.23	− 9 12.2	1.900	2.842	9.0	20.1
5 21	13 25.13	− 9 11.4	1.963	2.837	12.4	20.3

439689 2014 JD_{60} 4 19.3 10°.57 1°.6/17.6 17

3 12	14 10.05	− 8 12.3	2.594	3.401	11.2	21.3
3 22	14 6.50	− 7 37.9	2.507	3.401	8.7	21.1
4 1	14 1.36	− 6 56.9	2.444	3.401	5.7	21.0
4 11	13 55.11	− 6 12.6	2.409	3.401	2.7	20.8
4 21	13 48.32	− 5 28.7	2.401	3.402	2.0	20.7
5 1	13 41.67	− 4 49.3	2.423	3.402	4.8	20.9
5 11	13 35.81	− 4 17.9	2.473	3.402	7.8	21.1
5 21	13 31.21	− 3 57.1	2.547	3.403	10.5	21.3

199609 2006 FR_{36} 4 19.3 38°.56 2°.8/21.3 17

3 12	14 17.00	−18 12.7	1.721	2.509	16.7	20.0
3 22	14 12.90	−18 42.6	1.642	2.517	13.5	19.8
4 1	14 6.16	−18 58.5	1.584	2.525	9.7	19.5
4 11	13 57.48	−19 0.2	1.550	2.533	5.6	19.3
4 21	13 47.83	−18 49.0	1.542	2.542	2.9	19.2
5 1	13 38.42	−18 28.7	1.561	2.551	5.3	19.3
5 11	13 30.38	−18 4.9	1.605	2.560	9.3	19.6
5 21	13 24.49	−17 43.0	1.673	2.570	13.0	19.8

31093 1997 CE_{28} 4 19.3 119°.63 1°.3/17.9 18

3 12	14 12.52	− 9 2.0	2.605	3.404	11.4	19.0
3 22	14 8.32	− 8 30.1	2.527	3.416	8.8	18.9
4 1	14 2.52	− 7 51.5	2.473	3.428	5.8	18.7
4 11	13 55.62	− 7 9.4	2.446	3.439	2.7	18.5
4 21	13 48.24	− 6 27.2	2.449	3.450	1.7	18.4
5 1	13 41.07	− 5 49.0	2.481	3.461	4.6	18.7
5 11	13 34.74	− 5 18.2	2.541	3.472	7.6	18.9
5 21	13 29.73	− 4 57.1	2.626	3.482	10.2	19.1

35155 1993 FU_{58} 4 19.3 124°.07 0°.5/18.8 18

3 12	14 11.70	−12 19.4	2.304	3.103	12.7	19.8
3 22	14 8.01	−11 48.0	2.217	3.105	9.9	19.6
4 1	14 2.48	−11 6.4	2.154	3.108	6.6	19.4
4 11	13 55.66	−10 17.6	2.118	3.111	3.0	19.2
4 21	13 48.23	− 9 25.7	2.109	3.113	1.0	19.0
5 1	13 40.96	− 8 35.5	2.130	3.116	4.6	19.3
5 11	13 34.62	− 7 51.5	2.177	3.118	8.1	19.5
5 21	13 29.76	− 7 17.6	2.250	3.120	11.2	19.7

429899 2012 TV_{91} 4 19.3 237°.90 2°.7/16.3 18

3 12	14 11.68	− 6 47.1	2.302	3.114	12.3	21.3
3 22	14 8.05	− 5 41.8	2.207	3.104	9.5	21.1
4 1	14 2.56	− 4 27.8	2.136	3.093	6.4	20.9
4 11	13 55.72	− 3 9.8	2.092	3.082	3.4	20.7
4 21	13 48.21	− 1 53.6	2.076	3.071	3.3	20.6
5 1	13 40.79	− 0 45.3	2.090	3.059	6.3	20.8
5 11	13 34.24	+ 0 10.1	2.131	3.047	9.6	21.0
5 21	13 29.15	+ 0 49.4	2.195	3.035	12.6	21.2

290179 2005 RT_{45} 4 19.3 156°.22 2°.5/16.9 17

3 12	14 14.16	− 7 41.9	1.964	2.778	14.0	22.1
3 22	14 10.17	− 6 47.6	1.885	2.782	10.8	21.9
4 1	14 4.06	− 5 44.1	1.828	2.786	7.2	21.7
4 11	13 56.42	− 4 36.5	1.798	2.790	3.6	21.4
4 21	13 48.08	− 3 30.8	1.795	2.793	3.1	21.4
5 1	13 39.97	− 2 33.3	1.821	2.796	6.5	21.6
5 11	13 32.98	− 1 49.1	1.873	2.799	10.1	21.8
5 21	13 27.74	− 1 21.3	1.948	2.801	13.4	22.1

161762 2006 TQ_{29} 4 19.3 234°.41 0°.7/18.7 17

3 12	14 14.62	− 9 57.9	2.515	3.309	11.9	20.5
3 22	14 10.19	− 9 49.5	2.416	3.302	9.3	20.3
4 1	14 3.94	− 9 34.2	2.341	3.294	6.2	20.1
4 11	13 56.36	− 9 14.3	2.292	3.285	2.8	19.9
4 21	13 48.09	− 8 52.6	2.273	3.277	1.1	19.7
5 1	13 39.89	− 8 32.2	2.283	3.268	4.5	20.0
5 11	13 32.52	− 8 16.7	2.321	3.259	7.8	20.1
5 21	13 26.55	− 8 8.6	2.385	3.250	10.8	20.3

38083 Rhadamanthus 4 19.3 105°.71 0°.1/21.1 13 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	13 52.37	−16 35.9	40.622	41.381	0.9	23.4
3 22	13 51.71	−16 33.6	40.524	41.385	0.7	23.3
4 1	13 50.97	−16 30.6	40.452	41.389	0.5	23.3
4 11	13 50.18	−16 27.2	40.409	41.392	0.3	23.3
4 21	13 49.36	−16 23.3	40.394	41.396	0.1	23.3
5 1	13 48.55	−16 19.3	40.409	41.399	0.3	23.3
5 11	13 47.77	−16 15.2	40.454	41.403	0.5	23.3
5 21	13 47.06	−16 11.2	40.526	41.406	0.7	23.3

96700 1999 JP_{93} 4 19.3 141°.99 3°.9/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.64	− 5 29.3	1.645	2.470	15.8	19.0
3 22	14 11.69	− 4 20.7	1.573	2.477	12.2	18.8
4 1	14 5.25	− 3 3.0	1.523	2.483	8.2	18.6
4 11	13 57.01	− 1 43.2	1.498	2.488	4.6	18.4
4 21	13 47.97	− 0 29.2	1.500	2.493	4.6	18.4
5 1	13 39.24	+ 0 31.2	1.530	2.498	8.1	18.6
5 11	13 31.88	+ 1 12.5	1.583	2.502	12.1	18.8
5 21	13 26.58	+ 1 32.5	1.659	2.507	15.6	19.0

251818 1999 TY_{109} 4 19.3 196°.44 3°.2/22.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.14	−22 34.3	2.161	2.914	14.8	21.9
3 22	14 13.39	−22 34.6	2.061	2.911	12.2	21.7
4 1	14 6.33	−22 18.4	1.982	2.908	9.0	21.5
4 11	13 57.54	−21 45.5	1.928	2.903	5.6	21.3
4 21	13 47.85	−20 57.6	1.902	2.898	3.2	21.1
5 1	13 38.27	−19 59.0	1.904	2.892	4.9	21.2
5 11	13 29.79	−18 56.0	1.935	2.886	8.3	21.4
5 21	13 23.14	−17 55.2	1.991	2.878	11.7	21.6

131460 2001 QE_{194} 4 19.3 246°.01 5°.5/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.07	−41 38.8	4.675	5.266	9.2	20.2
3 22	14 7.74	−42 18.8	4.565	5.262	8.3	20.1
4 1	14 2.08	−42 46.8	4.475	5.258	7.3	20.0
4 11	13 55.45	−43 1.2	4.407	5.254	6.4	19.9
4 21	13 48.28	−43 1.6	4.365	5.250	5.7	19.9
5 1	13 41.11	−42 48.4	4.349	5.246	5.5	19.8
5 11	13 34.46	−42 23.4	4.359	5.242	5.9	19.9
5 21	13 28.76	−41 49.4	4.395	5.238	6.7	19.9

208582 2002 CF_{93} 4 19.3 33°.63 1°.1/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.86	−14 31.5	1.235	2.062	19.9	20.2
3 22	14 12.79	−14 38.0	1.170	2.070	15.8	20.0
4 1	14 6.47	−14 28.1	1.122	2.079	10.8	19.7
4 11	13 57.72	−14 3.9	1.096	2.088	5.3	19.4
4 21	13 47.83	−13 29.7	1.094	2.099	1.2	19.2
5 1	13 38.35	−12 52.4	1.117	2.109	6.4	19.6
5 11	13 30.69	−12 19.8	1.162	2.121	11.7	19.9
5 21	13 25.75	−11 57.9	1.229	2.133	16.2	20.2

437263 2012 XC_{117} 4 19.3 124°.25 5°.4/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.60	+ 7 16.9	2.712	3.517	10.8	21.3
3 22	14 10.53	+ 7 57.7	2.648	3.531	8.7	21.1
4 1	14 3.91	+ 8 34.8	2.609	3.544	6.6	21.0
4 11	13 56.24	+ 9 3.7	2.597	3.557	5.5	21.0
4 21	13 48.15	+ 9 20.8	2.614	3.569	5.9	21.0
5 1	13 40.32	+ 9 23.6	2.659	3.581	7.5	21.1
5 11	13 33.37	+ 9 10.9	2.730	3.593	9.6	21.3
5 21	13 27.76	+ 8 43.4	2.824	3.604	11.6	21.4

205849 2002 EL_{54} 4 19.3 326°.79 0°.3/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.32	−12 46.8	1.185	2.025	19.7	20.0
3 22	14 9.76	−12 51.4	1.095	2.006	15.7	19.7
4 1	14 4.87	−12 40.7	1.024	1.987	10.9	19.3
4 11	13 57.21	−12 16.6	0.974	1.969	5.2	18.9
4 21	13 47.89	−11 43.2	0.947	1.952	1.0	18.6
5 1	13 38.50	−11 7.7	0.943	1.936	7.2	18.9
5 11	13 30.69	−10 38.6	0.960	1.921	13.1	19.2
5 21	13 25.65	−10 22.5	0.996	1.908	18.4	19.4

477720 2010 SW_{17} 4 19.3 276°.08 3°.6/14.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.65	− 4 53.6	2.530	3.345	11.2	21.6
3 22	14 6.36	− 3 18.2	2.425	3.324	8.7	21.4
4 1	14 1.40	− 1 33.5	2.346	3.303	5.9	21.2
4 11	13 55.20	+ 0 14.8	2.295	3.281	3.8	21.0
4 21	13 48.35	+ 2 0.1	2.275	3.259	4.3	21.0
5 1	13 41.54	+ 3 35.6	2.284	3.237	6.9	21.2
5 11	13 35.45	+ 4 55.7	2.321	3.215	9.9	21.3
5 21	13 30.65	+ 5 57.0	2.381	3.193	12.6	21.5

245941 2006 RL_{83} 4 19.3 312°.85 0°.1/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.28	−13 51.0	1.986	2.790	14.3	20.7
3 22	14 8.16	−13 30.8	1.888	2.778	11.2	20.5
4 1	14 2.88	−12 58.1	1.813	2.767	7.7	20.3
4 11	13 55.96	−12 15.3	1.763	2.756	3.6	20.0
4 21	13 48.19	−11 26.3	1.740	2.745	0.7	19.7
5 1	13 40.50	−10 36.4	1.745	2.734	5.0	20.0
5 11	13 33.82	− 9 51.3	1.776	2.724	9.1	20.2
5 21	13 28.84	− 9 15.8	1.830	2.714	12.7	20.4

382237 2012 SA_{4} 4 19.3 285°.98 1°.6/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 12.62	− 9 6.5	2.018	2.830	13.7	20.8
3 22	14 9.06	− 8 34.0	1.928	2.824	10.7	20.6
4 1	14 3.39	− 7 52.3	1.860	2.818	7.1	20.3
4 11	13 56.17	− 7 5.1	1.819	2.812	3.3	20.1
4 21	13 48.17	− 6 17.1	1.805	2.806	2.1	20.0
5 1	13 40.30	− 5 33.8	1.819	2.800	5.8	20.2
5 11	13 33.45	− 5 0.1	1.859	2.795	9.6	20.4
5 21	13 28.28	− 4 39.2	1.922	2.789	13.0	20.6

95666 2002 GZ_{141} 4 19.3 97°.14 1°.5/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.00	− 8 14.7	1.974	2.781	14.2	19.5
3 22	14 12.32	− 7 59.5	1.900	2.793	11.0	19.3
4 1	14 5.46	− 7 37.2	1.849	2.806	7.3	19.1
4 11	13 57.07	− 7 11.2	1.825	2.818	3.4	18.9
4 21	13 48.01	− 6 45.3	1.828	2.830	1.9	18.8
5 1	13 39.24	− 6 23.8	1.859	2.842	5.6	19.1
5 11	13 31.65	− 6 10.6	1.917	2.853	9.3	19.3
5 21	13 25.88	− 6 8.0	1.999	2.865	12.6	19.5

369950 2013 HJ_{2} 4 19.3 290°.87 2°.9/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.99	− 5 48.9	1.448	2.277	17.4	20.2
3 22	14 14.28	− 5 35.8	1.357	2.262	13.7	19.9
4 1	14 7.51	− 5 15.6	1.287	2.247	9.3	19.6
4 11	13 58.31	− 4 52.7	1.240	2.233	4.7	19.3
4 21	13 47.73	− 4 32.5	1.218	2.218	3.4	19.2
5 1	13 37.17	− 4 20.9	1.222	2.204	7.9	19.4
5 11	13 28.04	− 4 22.8	1.250	2.190	12.8	19.6
5 21	13 21.35	− 4 40.8	1.299	2.176	17.3	19.9

111613 2002 AJ_{107} 4 19.3 101°.23 5°.0/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.93	−24 5.7	1.534	2.308	19.1	19.9
3 22	14 14.14	−24 30.4	1.454	2.314	15.8	19.7
4 1	14 7.29	−24 33.6	1.392	2.319	11.9	19.5
4 11	13 58.12	−24 13.8	1.353	2.325	7.9	19.2
4 21	13 47.80	−23 32.2	1.338	2.330	5.1	19.1
5 1	13 37.73	−22 33.9	1.348	2.336	6.5	19.2
5 11	13 29.26	−21 27.8	1.384	2.341	10.3	19.4
5 21	13 23.32	−20 23.1	1.442	2.346	14.2	19.7

203289 2001 SN_{47} 4 19.3 169°.17 2°.5/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.73	− 7 33.4	1.813	2.623	15.2	21.4
3 22	14 13.95	− 6 50.2	1.733	2.628	11.8	21.2
4 1	14 6.72	− 5 57.7	1.675	2.632	7.9	21.0
4 11	13 57.72	− 5 0.9	1.643	2.635	3.9	20.7
4 21	13 47.89	− 4 5.8	1.638	2.637	3.0	20.7
5 1	13 38.33	− 3 18.5	1.662	2.639	6.8	20.9
5 11	13 30.04	− 2 44.4	1.712	2.640	10.8	21.2
5 21	13 23.76	− 2 26.3	1.785	2.640	14.3	21.4

219685 2001 WR_{36} 4 19.3 201°.49 3°.2/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.36	− 2 50.2	2.265	3.070	12.7	21.4
3 22	14 13.22	− 2 22.7	2.175	3.066	9.9	21.2
4 1	14 6.04	− 1 51.9	2.108	3.061	6.8	21.0
4 11	13 57.38	− 1 21.7	2.068	3.056	3.9	20.8
4 21	13 47.97	− 0 56.4	2.058	3.050	3.6	20.7
5 1	13 38.70	− 0 39.9	2.076	3.043	6.4	20.9
5 11	13 30.42	− 0 35.1	2.122	3.036	9.7	21.1
5 21	13 23.76	− 0 43.6	2.192	3.028	12.7	21.3

499171 2009 SD_{103} 4 19.3 212°.16 2°.4/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.08	−22 13.5	2.475	3.226	13.2	21.4
3 22	14 10.72	−21 50.8	2.367	3.218	10.8	21.2
4 1	14 4.39	−21 12.0	2.281	3.210	7.8	21.0
4 11	13 56.62	−20 17.9	2.222	3.200	4.7	20.8
4 21	13 48.12	−19 11.1	2.191	3.190	2.4	20.6
5 1	13 39.71	−17 56.0	2.190	3.179	4.2	20.7
5 11	13 32.22	−16 39.0	2.218	3.168	7.4	20.9
5 21	13 26.25	−15 25.8	2.272	3.155	10.6	21.0

499835 2011 DE_{46} 4 19.3 8°.06 4°.6/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.41	− 4 44.8	1.352	2.201	17.2	20.5
3 22	14 7.38	− 3 42.8	1.285	2.203	13.3	20.2
4 1	14 2.63	− 2 31.7	1.240	2.205	9.0	20.0
4 11	13 55.91	− 1 19.5	1.217	2.208	5.2	19.8
4 21	13 48.27	− 0 15.1	1.219	2.212	5.3	19.8
5 1	13 40.95	+ 0 33.3	1.245	2.218	9.1	20.0
5 11	13 35.10	+ 0 59.9	1.294	2.224	13.3	20.3
5 21	13 31.45	+ 1 2.9	1.362	2.232	17.1	20.5

505027 2011 QR_{61} 4 19.3 170°.03 4°.0/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.56	−25 16.9	2.521	3.257	13.4	21.5
3 22	14 10.32	−25 35.2	2.424	3.259	11.1	21.4
4 1	14 4.12	−25 38.8	2.349	3.260	8.5	21.2
4 11	13 56.50	−25 27.1	2.298	3.261	5.8	21.0
4 21	13 48.15	−25 1.0	2.275	3.262	4.1	20.9
5 1	13 39.91	−24 23.0	2.281	3.262	4.8	21.0
5 11	13 32.58	−23 38.0	2.314	3.263	7.2	21.1
5 21	13 26.79	−22 51.0	2.373	3.263	9.9	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
386593 2009 FN_{56}			4 19.3 357°.44	15°.2/30.9 16		
	h m	° ′			°	m
3 12	14 7.69	+25 9.0	1.592	2.409	16.6	19.7
3 22	14 5.84	+27 34.2	1.556	2.404	15.6	19.6
4 1	14 1.48	+29 38.7	1.541	2.401	15.2	19.6
4 11	13 55.33	+31 10.6	1.546	2.398	15.7	19.6
4 21	13 48.40	+32 2.2	1.569	2.397	16.9	19.7
5 1	13 41.81	+32 10.3	1.611	2.397	18.4	19.8
5 11	13 36.59	+31 36.8	1.667	2.398	20.1	19.9
5 21	13 33.40	+30 27.3	1.736	2.401	21.5	20.0
331932 2004 SW_{51}			4 19.3 225°.64	1°.8/17.2 18		
3 12	14 14.14	− 8 16.1	2.641	3.437	11.3	21.9
3 22	14 9.75	− 7 26.2	2.535	3.423	8.8	21.7
4 1	14 3.64	− 6 28.2	2.454	3.409	5.9	21.5
4 11	13 56.25	− 5 25.5	2.401	3.393	2.9	21.3
4 21	13 48.21	− 4 22.6	2.378	3.377	2.3	21.2
5 1	13 40.22	− 3 24.2	2.385	3.360	5.2	21.3
5 11	13 32.99	− 2 34.9	2.421	3.342	8.4	21.5
5 21	13 27.08	− 1 57.7	2.481	3.323	11.2	21.7
214468 2005 SH_{202}			4 19.3 257°.27	1°.3/20.6 18		
3 12	14 13.93	−16 31.2	2.584	3.358	12.1	21.0
3 22	14 9.75	−16 32.6	2.474	3.344	9.7	20.8
4 1	14 3.74	−16 23.8	2.387	3.329	6.8	20.6
4 11	13 56.34	−16 5.7	2.327	3.314	3.6	20.4
4 21	13 48.19	−15 40.1	2.296	3.299	1.3	20.2
5 1	13 40.04	−15 10.2	2.294	3.283	3.9	20.3
5 11	13 32.68	−14 39.8	2.320	3.268	7.2	20.5
5 21	13 26.69	−14 12.9	2.371	3.252	10.3	20.7
308081 2004 TF_{302}			4 19.3 207°.78	3°.2/21.9 16		
3 12	14 18.09	−22 9.4	1.858	2.625	16.5	21.9
3 22	14 13.78	−22 6.3	1.760	2.620	13.5	21.7
4 1	14 6.84	−21 44.2	1.683	2.614	9.9	21.5
4 11	13 57.89	−21 3.0	1.629	2.607	6.0	21.2
4 21	13 47.87	−20 4.9	1.602	2.600	3.3	21.0
5 1	13 37.96	−18 55.2	1.603	2.593	5.3	21.1
5 11	13 29.32	−17 41.7	1.631	2.584	9.3	21.3
5 21	13 22.77	−16 32.4	1.683	2.575	13.2	21.6
153780 2001 VW_{57}			4 19.3 222°.53	1°.2/20.4 17		
3 12	14 16.26	−16 34.5	2.153	2.934	14.1	21.1
3 22	14 11.90	−16 25.1	2.052	2.925	11.2	20.9
4 1	14 5.35	−16 2.7	1.972	2.916	7.8	20.7
4 11	13 57.13	−15 28.6	1.918	2.906	4.0	20.4
4 21	13 48.03	−14 45.5	1.893	2.896	1.2	20.2
5 1	13 39.00	−13 58.0	1.896	2.886	4.6	20.4
5 11	13 30.97	−13 11.5	1.926	2.875	8.5	20.6
5 21	13 24.65	−12 31.2	1.982	2.863	12.0	20.8
216639 2003 GK_{21}			4 19.3 137°.82	2°.9/17.4 18		
3 12	14 25.19	− 6 30.5	1.588	2.396	17.1	20.8
3 22	14 19.13	− 5 53.7	1.520	2.414	13.2	20.6
4 1	14 10.24	− 5 8.7	1.475	2.430	8.8	20.4
4 11	13 59.35	− 4 20.8	1.454	2.446	4.4	20.1
4 21	13 47.62	− 3 36.4	1.462	2.460	3.5	20.1
5 1	13 36.39	− 3 1.6	1.497	2.473	7.4	20.4
5 11	13 26.83	− 2 41.3	1.558	2.485	11.7	20.7
5 21	13 19.69	− 2 37.6	1.642	2.496	15.4	20.9
85944 1999 EM_{7}			4 19.3 252°.44	1°.8/20.8 18		
3 12	14 16.11	−17 40.8	1.997	2.779	15.0	20.1
3 22	14 12.07	−17 39.4	1.891	2.764	12.1	19.8
4 1	14 5.63	−17 23.8	1.807	2.750	8.6	19.6
4 11	13 57.33	−16 54.7	1.748	2.734	4.6	19.3
4 21	13 47.99	−16 14.5	1.716	2.719	1.8	19.1
5 1	13 38.65	−15 27.5	1.712	2.703	4.9	19.2
5 11	13 30.35	−14 39.8	1.735	2.687	9.0	19.4
5 21	13 23.91	−13 57.3	1.783	2.670	12.8	19.6
353633 2011 UP_{74}			4 19.3 232°.84	1°.0/18.3 17		
3 12	14 13.21	− 9 23.1	2.683	3.478	11.2	22.0
3 22	14 9.00	− 9 4.0	2.582	3.468	8.7	21.9
4 1	14 3.11	− 8 38.2	2.505	3.459	5.8	21.7
4 11	13 56.00	− 8 8.2	2.456	3.449	2.7	21.4
4 21	13 48.27	− 7 37.1	2.436	3.438	1.3	21.3
5 1	13 40.61	− 7 8.2	2.445	3.428	4.4	21.5
5 11	13 33.69	− 6 45.0	2.483	3.417	7.6	21.7
5 21	13 28.07	− 6 30.1	2.546	3.406	10.4	21.9
224621 2005 YL_{98}			4 19.3 118°.16	0°.6/18.8 17		
3 12	14 15.77	−12 10.8	2.095	2.891	13.9	21.8
3 22	14 11.25	−11 38.8	2.020	2.907	10.8	21.6
4 1	14 4.69	−10 56.2	1.968	2.921	7.2	21.4
4 11	13 56.72	−10 6.3	1.943	2.936	3.2	21.2
4 21	13 48.14	− 9 13.5	1.946	2.950	1.1	21.1
5 1	13 39.86	− 8 23.2	1.977	2.963	5.0	21.4
5 11	13 32.70	− 7 40.2	2.037	2.976	8.6	21.6
5 21	13 27.24	− 7 8.3	2.120	2.989	11.9	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
504416 2007 YM_{24}			4 19.3 134°.96	0°.1/19.5 17		
	h m	° ′			°	m
3 12	14 14.20	−13 5.6	2.634	3.418	11.7	23.0
3 22	14 9.69	−12 54.4	2.549	3.427	9.1	22.8
4 1	14 3.50	−12 34.9	2.488	3.437	6.2	22.6
4 11	13 56.15	−12 8.8	2.454	3.445	2.9	22.4
4 21	13 48.26	−11 38.9	2.449	3.454	0.5	22.2
5 1	13 40.55	−11 8.6	2.474	3.462	3.9	22.5
5 11	13 33.68	−10 41.5	2.527	3.470	7.0	22.7
5 21	13 28.18	−10 20.5	2.606	3.477	9.8	22.9
336325 2008 TO_{72}			4 19.3 186°.76	0°.9/20.2 17		
3 12	14 15.01	−15 47.6	2.274	3.057	13.3	21.7
3 22	14 10.72	−15 38.1	2.181	3.056	10.6	21.5
4 1	14 4.42	−15 17.1	2.110	3.056	7.3	21.3
4 11	13 56.65	−14 46.0	2.066	3.055	3.7	21.0
4 21	13 48.16	−14 7.7	2.050	3.054	1.0	20.8
5 1	13 39.81	−13 26.3	2.062	3.052	4.3	21.1
5 11	13 32.42	−12 46.7	2.103	3.050	7.9	21.3
5 21	13 26.63	−12 13.2	2.168	3.048	11.2	21.5
349354 2007 VS_{136}			4 19.3 179°.50	1°.5/21.2 18		
3 12	14 13.47	−19 1.8	3.145	3.900	10.6	22.6
3 22	14 8.94	−18 49.8	3.045	3.902	8.5	22.5
4 1	14 2.93	−18 27.4	2.969	3.903	6.0	22.3
4 11	13 55.88	−17 55.7	2.921	3.903	3.4	22.1
4 21	13 48.33	−17 16.6	2.902	3.903	1.5	22.0
5 1	13 40.88	−16 33.1	2.913	3.902	3.3	22.1
5 11	13 34.14	−15 49.0	2.954	3.901	5.9	22.3
5 21	13 28.56	−15 7.6	3.022	3.899	8.4	22.4
381531 2008 SL_{262}			4 19.3 108°.14	1°.8/17.7 17		
3 12	14 12.82	− 9 26.4	1.973	2.785	14.0	21.6
3 22	14 9.19	− 8 42.8	1.892	2.789	10.9	21.4
4 1	14 3.45	− 7 49.3	1.833	2.792	7.2	21.2
4 11	13 56.20	− 6 50.1	1.801	2.795	3.4	20.9
4 21	13 48.26	− 5 50.6	1.796	2.798	2.3	20.9
5 1	13 40.53	− 4 56.9	1.820	2.801	5.9	21.1
5 11	13 33.88	− 4 14.1	1.869	2.803	9.6	21.3
5 21	13 28.94	− 3 45.5	1.942	2.806	13.0	21.5
336464 2008 VC_{2}			4 19.3 188°.22	1°.3/20.8 17		
3 12	14 15.75	−17 35.1	2.819	3.580	11.5	22.4
3 22	14 10.90	−17 28.2	2.718	3.579	9.2	22.3
4 1	14 4.34	−17 10.7	2.640	3.578	6.5	22.1
4 11	13 56.57	−16 43.8	2.590	3.575	3.5	21.9
4 21	13 48.19	−16 9.5	2.570	3.572	1.3	21.7
5 1	13 39.90	−15 30.9	2.580	3.569	3.6	21.9
5 11	13 32.41	−14 52.0	2.619	3.564	6.6	22.1
5 21	13 26.24	−14 16.5	2.684	3.559	9.4	22.2
168722 2000 LH			4 19.3 300°.88	2°.2/17.3 18		
3 12	14 12.58	− 7 0.8	2.094	2.908	13.2	20.1
3 22	14 8.93	− 6 27.7	2.006	2.904	10.3	19.9
4 1	14 3.27	− 5 47.4	1.942	2.900	6.8	19.7
4 11	13 56.13	− 5 3.9	1.903	2.896	3.4	19.4
4 21	13 48.27	− 4 21.9	1.893	2.892	2.7	19.4
5 1	13 40.56	− 3 46.3	1.910	2.888	5.9	19.6
5 11	13 33.83	− 3 21.3	1.954	2.884	9.5	19.8
5 21	13 28.71	− 3 9.5	2.021	2.880	12.7	20.0
94424 2001 TW_{39}			4 19.3 214°.81	0°.7/19.8 16	R	
3 12	14 20.67	−14 4.3	1.827	2.617	15.8	20.7
3 22	14 15.77	−14 5.2	1.730	2.610	12.6	20.4
4 1	14 8.19	−13 54.1	1.654	2.602	8.7	20.2
4 11	13 58.55	−13 32.2	1.603	2.594	4.3	19.9
4 21	13 47.78	−13 2.5	1.580	2.584	0.9	19.6
5 1	13 37.07	−12 29.4	1.585	2.575	5.4	19.9
5 11	13 27.59	−11 58.8	1.617	2.564	9.9	20.1
5 21	13 20.23	−11 35.6	1.673	2.553	13.9	20.3
206969 2004 SC_{61}			4 19.3 140°.00	1°.3/18.4 18		
3 12	14 19.74	−10 10.3	1.831	2.633	15.4	21.5
3 22	14 14.66	− 9 42.9	1.756	2.645	11.9	21.3
4 1	14 7.16	− 9 5.4	1.702	2.657	8.0	21.0
4 11	13 57.93	− 8 21.5	1.675	2.668	3.6	20.8
4 21	13 47.94	− 7 36.1	1.675	2.678	1.7	20.7
5 1	13 38.27	− 6 54.7	1.704	2.688	5.9	21.0
5 11	13 29.93	− 6 22.5	1.760	2.696	9.9	21.2
5 21	13 23.62	− 6 3.0	1.839	2.704	13.5	21.5
484218 2007 DQ_{70}			4 19.4 270°.95	2°.5/23.4 17		
3 12	14 8.27	−24 40.2	4.423	5.144	8.2	21.5
3 22	14 4.62	−24 53.2	4.316	5.141	6.8	21.3
4 1	13 59.91	−24 57.7	4.232	5.138	5.2	21.2
4 11	13 54.46	−24 53.9	4.175	5.135	3.6	21.1
4 21	13 48.64	−24 42.4	4.147	5.132	2.5	21.0
5 1	13 42.85	−24 24.7	4.149	5.129	2.9	21.0
5 11	13 37.51	−24 2.7	4.180	5.126	4.4	21.1
5 21	13 32.96	−23 38.9	4.238	5.122	6.1	21.3

431934 2008 TH_{158} 4 19.4 258°.05 6°.2/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 16.02	−30 51.6	2.232	2.945	15.5	21.7
3 22	14 12.07	−31 14.9	2.117	2.928	13.4	21.5
4 1	14 5.70	−31 18.8	2.021	2.909	10.8	21.3
4 11	13 57.41	−31 0.5	1.949	2.891	8.2	21.1
4 21	13 48.03	−30 19.5	1.901	2.872	6.4	21.0
5 1	13 38.61	−29 18.2	1.881	2.852	6.6	20.9
5 11	13 30.21	−28 2.5	1.888	2.833	8.8	21.0
5 21	13 23.68	−26 40.2	1.919	2.812	11.8	21.2

207005 2004 TG_{273} 4 19.4 179°.53 0°.7/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.15	−14 38.0	1.903	2.690	15.4	20.9
3 22	14 15.13	−14 33.0	1.813	2.692	12.2	20.7
4 1	14 7.60	−14 15.6	1.745	2.693	8.4	20.4
4 11	13 58.22	−13 47.3	1.703	2.693	4.1	20.2
4 21	13 47.90	−13 11.3	1.689	2.693	0.9	19.9
5 1	13 37.75	−12 32.5	1.703	2.692	5.1	20.2
5 11	13 28.84	−11 56.4	1.744	2.690	9.3	20.5
5 21	13 21.95	−11 28.0	1.810	2.688	13.1	20.7

198457 2004 XK_{12} 4 19.4 241°.18 4°.9/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.75	+ 2 6.2	2.271	3.083	12.4	20.1
3 22	14 12.05	+ 2 48.5	2.177	3.069	9.8	19.9
4 1	14 5.33	+ 3 31.4	2.106	3.055	7.1	19.7
4 11	13 57.12	+ 4 10.0	2.063	3.040	5.1	19.5
4 21	13 48.12	+ 4 39.2	2.048	3.025	5.5	19.5
5 1	13 39.21	+ 4 54.7	2.061	3.009	7.9	19.6
5 11	13 31.21	+ 4 53.7	2.100	2.992	10.8	19.8
5 21	13 24.79	+ 4 35.9	2.161	2.976	13.6	19.9

496980 2002 QQ_{138} 4 19.4 259°.04 1°.2/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.84	−10 59.9	1.836	2.644	15.1	22.8
3 22	14 12.01	−10 27.7	1.732	2.625	11.9	22.5
4 1	14 5.69	− 9 43.1	1.650	2.606	8.0	22.2
4 11	13 57.42	− 8 49.3	1.594	2.587	3.7	21.9
4 21	13 48.05	− 7 51.3	1.564	2.567	1.7	21.7
5 1	13 38.67	− 6 55.5	1.562	2.547	6.2	22.0
5 11	13 30.37	− 6 8.6	1.587	2.526	10.6	22.2
5 21	13 24.00	− 5 35.4	1.634	2.505	14.6	22.4

38455 1999 TK_{3} 4 19.4 222°.99 0°.2/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.59	−14 10.9	2.743	3.526	11.3	20.4
3 22	14 7.73	−13 49.6	2.642	3.520	8.9	20.2
4 1	14 2.27	−13 18.8	2.566	3.514	6.0	20.0
4 11	13 55.64	−12 40.5	2.517	3.508	2.9	19.8
4 21	13 48.43	−11 57.6	2.497	3.501	0.5	19.6
5 1	13 41.31	−11 13.6	2.506	3.494	3.8	19.9
5 11	13 34.93	−10 32.8	2.544	3.487	6.9	20.1
5 21	13 29.80	− 9 58.4	2.607	3.480	9.8	20.2

433746 2015 AB_{257} 4 19.4 75°.90 1°.9/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.56	− 9 45.9	1.805	2.617	15.1	21.5
3 22	14 11.24	− 8 52.4	1.748	2.644	11.6	21.3
4 1	14 4.72	− 7 48.9	1.713	2.671	7.6	21.1
4 11	13 56.75	− 6 40.5	1.704	2.697	3.5	21.0
4 21	13 48.24	− 5 33.7	1.723	2.724	2.4	20.9
5 1	13 40.19	− 4 34.7	1.770	2.750	6.1	21.2
5 11	13 33.45	− 3 48.9	1.842	2.775	9.8	21.5
5 21	13 28.60	− 3 19.0	1.938	2.800	13.1	21.7

186892 2004 JT_{42} 4 19.4 34°.86 2°.7/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.88	− 7 2.0	1.429	2.262	17.3	20.0
3 22	14 11.50	− 6 33.2	1.362	2.270	13.4	19.7
4 1	14 5.35	− 5 55.6	1.317	2.279	8.9	19.5
4 11	13 57.19	− 5 14.4	1.294	2.288	4.4	19.2
4 21	13 48.13	− 4 36.0	1.297	2.297	3.3	19.2
5 1	13 39.45	− 4 6.8	1.326	2.308	7.4	19.5
5 11	13 32.30	− 3 51.9	1.378	2.318	11.9	19.7
5 21	13 27.45	− 3 53.7	1.452	2.329	15.8	20.0

53823 2000 ED_{145} 4 19.4 100°.13 2°.5/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.22	−18 35.8	1.430	2.230	19.0	19.3
3 22	14 14.41	−18 41.2	1.354	2.236	15.3	19.1
4 1	14 7.50	−18 27.8	1.298	2.243	10.9	18.8
4 11	13 58.28	−17 56.0	1.263	2.250	6.0	18.5
4 21	13 47.93	−17 9.3	1.254	2.256	2.5	18.3
5 1	13 37.88	−16 14.2	1.270	2.262	5.9	18.6
5 11	13 29.50	−15 19.3	1.312	2.269	10.7	18.8
5 21	13 23.68	−14 32.3	1.375	2.275	15.1	19.1

119940 2002 GQ_{79} 4 19.4 165°.89 7°.8/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.43	+ 9 16.8	2.113	2.932	13.0	19.8
3 22	14 10.24	+10 38.6	2.048	2.935	10.6	19.7
4 1	14 4.06	+11 56.2	2.007	2.937	8.6	19.5
4 11	13 56.49	+13 2.0	1.992	2.939	7.8	19.5
4 21	13 48.29	+13 49.6	2.003	2.941	8.5	19.5
5 1	13 40.35	+14 14.7	2.039	2.942	10.5	19.7
5 11	13 33.47	+14 15.6	2.099	2.943	12.8	19.8
5 21	13 28.23	+13 53.6	2.180	2.944	15.1	20.0

26969 Biver 4 19.4 156°.64 5°.3/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 13.70	− 0 51.9	1.997	2.820	13.5	18.7
3 22	14 9.78	+ 0 42.8	1.925	2.826	10.5	18.5
4 1	14 3.80	+ 2 22.5	1.878	2.831	7.4	18.4
4 11	13 56.38	+ 3 59.4	1.857	2.836	5.4	18.2
4 21	13 48.32	+ 5 25.8	1.865	2.840	6.1	18.3
5 1	13 40.50	+ 6 34.8	1.900	2.843	8.7	18.5
5 11	13 33.78	+ 7 22.3	1.960	2.847	11.8	18.6
5 21	13 28.73	+ 7 46.9	2.042	2.850	14.5	18.8

318107 2004 HN_{74} 4 19.4 120°.48 0°.2/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.75	−14 57.6	1.400	2.214	18.6	21.0
3 22	14 13.22	−14 30.4	1.324	2.219	14.7	20.8
4 1	14 6.67	−13 45.0	1.268	2.224	10.0	20.5
4 11	13 57.88	−12 44.7	1.236	2.228	4.7	20.2
4 21	13 48.01	−11 35.6	1.228	2.233	0.9	19.9
5 1	13 38.46	−10 26.1	1.246	2.237	6.3	20.3
5 11	13 30.54	− 9 25.2	1.289	2.241	11.4	20.6
5 21	13 25.12	− 8 39.3	1.354	2.245	15.8	20.9

245045 2004 FQ_{26} 4 19.4 324°.55 1°.9/20.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.35	−15 6.0	1.644	2.452	16.5	20.5
3 22	14 10.72	−15 34.0	1.527	2.416	13.4	20.2
4 1	14 5.27	−15 51.2	1.430	2.380	9.6	19.9
4 11	13 57.44	−15 57.5	1.356	2.345	5.2	19.5
4 21	13 48.04	−15 53.7	1.307	2.311	1.9	19.2
5 1	13 38.29	−15 43.0	1.285	2.277	5.9	19.4
5 11	13 29.54	−15 30.5	1.286	2.244	10.8	19.6
5 21	13 22.93	−15 21.7	1.310	2.212	15.5	19.8

34044 Obafial 4 19.4 343°.94 3°.3/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.36	−20 57.7	1.338	2.143	19.8	18.5
3 22	14 10.95	−20 58.1	1.256	2.140	16.2	18.2
4 1	14 5.39	−20 35.2	1.193	2.137	11.8	17.9
4 11	13 57.38	−19 49.2	1.150	2.134	6.9	17.7
4 21	13 48.09	−18 43.4	1.131	2.132	3.3	17.4
5 1	13 39.00	−17 25.6	1.137	2.130	6.2	17.6
5 11	13 31.54	−16 6.6	1.167	2.129	11.2	17.9
5 21	13 26.68	−14 56.0	1.218	2.128	15.8	18.1

386228 2007 YK_{41} 4 19.4 8°.86 13°.1/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.77	+25 42.4	1.967	2.759	14.8	20.0
3 22	14 9.24	+27 27.6	1.928	2.760	13.7	19.9
4 1	14 3.49	+28 54.6	1.911	2.762	13.1	19.9
4 11	13 56.23	+29 54.6	1.915	2.764	13.3	19.9
4 21	13 48.35	+30 21.8	1.939	2.767	14.1	20.0
5 1	13 40.83	+30 14.0	1.984	2.770	15.4	20.0
5 11	13 34.56	+29 32.8	2.046	2.774	16.9	20.2
5 21	13 30.12	+28 22.6	2.123	2.778	18.3	20.3

416266 2003 FV_{70} 4 19.4 330°.51 4°.9/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.91	− 3 59.7	1.683	2.518	15.0	20.6
3 22	14 8.09	− 2 29.6	1.606	2.516	11.6	20.3
4 1	14 2.92	− 0 50.1	1.552	2.513	8.0	20.1
4 11	13 56.06	+ 0 50.7	1.524	2.510	5.2	19.9
4 21	13 48.38	+ 2 23.7	1.522	2.508	5.7	20.0
5 1	13 40.92	+ 3 40.2	1.546	2.506	9.0	20.1
5 11	13 34.65	+ 4 34.2	1.595	2.504	12.7	20.4
5 21	13 30.28	+ 5 3.3	1.664	2.502	16.0	20.6

57300 2001 QP_{196} 4 19.4 103°.65 0°.3/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.86	−13 37.5	2.014	2.807	14.5	20.5
3 22	14 12.12	−12 59.4	1.946	2.830	11.3	20.3
4 1	14 5.28	−12 9.2	1.901	2.853	7.5	20.1
4 11	13 57.02	−11 10.4	1.883	2.875	3.4	19.9
4 21	13 48.21	−10 7.9	1.892	2.897	0.9	19.7
5 1	13 39.77	− 9 7.6	1.931	2.918	4.9	20.1
5 11	13 32.56	− 8 15.2	1.997	2.938	8.7	20.3
5 21	13 27.14	− 7 34.4	2.088	2.958	11.9	20.6

198914 2005 UE_{112} 4 19.4 348°.06 1°.2/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.71	− 8 43.5	1.211	2.046	19.7	20.0
3 22	14 15.31	− 8 54.6	1.135	2.043	15.5	19.7
4 1	14 8.44	− 8 56.6	1.078	2.040	10.5	19.4
4 11	13 58.85	− 8 52.5	1.043	2.038	4.9	19.1
4 21	13 47.81	− 8 46.4	1.032	2.036	1.8	18.8
5 1	13 36.99	− 8 43.6	1.045	2.034	7.5	19.2
5 11	13 27.96	− 8 49.4	1.081	2.034	13.0	19.5
5 21	13 21.81	− 9 7.3	1.137	2.033	17.8	19.7

300199 2006 WK_{100} 4 19.4 211°.98 2°.7/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.39	− 3 44.6	2.746	3.553	10.7	21.5
3 22	14 8.28	− 3 3.4	2.653	3.547	8.3	21.3
4 1	14 2.59	− 2 18.1	2.586	3.540	5.6	21.2
4 11	13 55.79	− 1 32.5	2.546	3.534	3.2	21.0
4 21	13 48.44	− 0 50.5	2.535	3.527	3.2	21.0
5 1	13 41.19	− 0 15.9	2.554	3.519	5.5	21.1
5 11	13 34.68	+ 0 8.2	2.600	3.512	8.3	21.3
5 21	13 29.40	+ 0 20.1	2.671	3.504	10.8	21.4

249211 2008 DJ_{73} 4 19.4 192°.18 5°.6/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 9.45	+ 3 9.3	2.435	3.260	11.3	20.7
3 22	14 6.17	+ 4 46.3	2.362	3.259	8.9	20.5
4 1	14 1.25	+ 6 24.8	2.314	3.259	6.8	20.4
4 11	13 55.18	+ 7 58.1	2.294	3.259	5.6	20.3
4 21	13 48.57	+ 9 19.7	2.301	3.259	6.4	20.4
5 1	13 42.13	+10 24.3	2.337	3.258	8.5	20.5
5 11	13 36.50	+11 8.6	2.397	3.258	10.9	20.6
5 21	13 32.20	+11 31.8	2.479	3.257	13.1	20.8

361676 2007 UH_{31} 4 19.4 258°.00 4°.7/15.5 16

3 12	14 14.93	− 3 55.6	1.618	2.448	15.8	20.8
3 22	14 11.49	− 2 47.6	1.529	2.435	12.3	20.6
4 1	14 5.41	− 1 30.1	1.463	2.422	8.5	20.3
4 11	13 57.31	− 0 10.3	1.420	2.408	5.2	20.1
4 21	13 48.14	+ 1 3.4	1.405	2.394	5.4	20.1
5 1	13 39.06	+ 2 2.6	1.415	2.380	9.0	20.2
5 11	13 31.23	+ 2 41.0	1.450	2.366	13.2	20.4
5 21	13 25.50	+ 2 56.0	1.505	2.351	17.0	20.6

120773 1998 DA_{19} 4 19.4 136°.36 0°.4/19.8 17

3 12	14 16.80	−14 30.5	2.190	2.975	13.7	21.3
3 22	14 12.07	−14 15.6	2.108	2.986	10.8	21.1
4 1	14 5.30	−13 49.5	2.050	2.997	7.3	20.9
4 11	13 57.08	−13 14.3	2.017	3.008	3.5	20.7
4 21	13 48.21	−12 33.4	2.013	3.017	0.7	20.4
5 1	13 39.57	−11 51.2	2.038	3.027	4.5	20.7
5 11	13 32.01	−11 12.6	2.091	3.036	8.1	21.0
5 21	13 26.14	−10 41.7	2.168	3.044	11.3	21.2

138530 2000 OJ_{34} 4 19.4 218°.79 3°.1/22.9 18

3 12	14 13.50	−24 17.7	2.850	3.586	12.0	20.1
3 22	14 9.31	−24 17.8	2.741	3.578	9.9	19.9
4 1	14 3.39	−24 4.2	2.654	3.569	7.5	19.7
4 11	13 56.21	−23 36.9	2.593	3.560	4.9	19.5
4 21	13 48.37	−22 57.3	2.560	3.551	3.2	19.4
5 1	13 40.59	−22 8.1	2.556	3.541	4.1	19.5
5 11	13 33.58	−21 14.0	2.581	3.531	6.5	19.6
5 21	13 27.89	−20 19.5	2.633	3.520	9.2	19.7

346247 2008 CC_{180} 4 19.4 4°.83 10°.4/ 7.6 18

3 12	14 13.64	+19 44.9	2.191	2.992	13.2	19.8
3 22	14 9.62	+21 8.2	2.138	2.992	11.6	19.6
4 1	14 3.64	+22 19.3	2.107	2.992	10.6	19.6
4 11	13 56.30	+23 10.6	2.101	2.993	10.4	19.6
4 21	13 48.37	+23 36.6	2.118	2.993	11.2	19.6
5 1	13 40.73	+23 34.5	2.157	2.994	12.7	19.7
5 11	13 34.17	+23 4.7	2.218	2.995	14.4	19.8
5 21	13 29.24	+22 10.0	2.296	2.996	16.0	20.0

256520 2007 EM_{200} 4 19.4 320°.91 2°.2/17.3 17

3 12	14 12.82	− 5 3.3	2.415	3.225	11.8	19.9
3 22	14 8.86	− 4 46.4	2.324	3.219	9.2	19.7
4 1	14 3.12	− 4 25.5	2.257	3.213	6.2	19.5
4 11	13 56.09	− 4 3.8	2.217	3.208	3.2	19.3
4 21	13 48.41	− 3 44.5	2.205	3.203	2.6	19.2
5 1	13 40.84	− 3 31.3	2.222	3.198	5.4	19.4
5 11	13 34.12	− 3 26.8	2.266	3.193	8.5	19.6
5 21	13 28.80	− 3 32.9	2.334	3.188	11.4	19.8

499314 2009 WO_{84} 4 19.4 197°.29 1°.4/20.8 17

3 12	14 16.46	−17 56.7	2.514	3.279	12.7	23.1
3 22	14 11.72	−17 45.5	2.412	3.275	10.1	22.9
4 1	14 5.07	−17 22.1	2.333	3.271	7.1	22.7
4 11	13 57.01	−16 47.6	2.281	3.266	3.8	22.5
4 21	13 48.24	−16 4.3	2.258	3.260	1.4	22.3
5 1	13 39.57	−15 16.3	2.264	3.254	4.0	22.5
5 11	13 31.78	−14 28.1	2.300	3.247	7.4	22.7
5 21	13 25.49	−13 44.5	2.361	3.239	10.5	22.9

221677 2007 DG_{9} 4 19.4 194°.58 2°.5/21.4 17

3 12	14 16.84	−19 22.2	2.002	2.776	15.2	21.0
3 22	14 12.56	−19 30.0	1.908	2.775	12.3	20.8
4 1	14 5.91	−19 23.3	1.837	2.773	8.8	20.5
4 11	13 57.49	−19 2.3	1.789	2.772	5.1	20.3
4 21	13 48.15	−18 29.0	1.769	2.770	2.5	20.1
5 1	13 38.93	−17 47.5	1.778	2.768	4.8	20.3
5 11	13 30.86	−17 3.6	1.813	2.765	8.6	20.5
5 21	13 24.66	−16 23.0	1.872	2.763	12.2	20.7

429220 2009 XZ_{22} 4 19.4 190°.71 3°.0/16.5 17

3 12	14 14.99	− 4 27.1	2.250	3.060	12.6	21.7
3 22	14 10.64	− 3 44.7	2.164	3.059	9.8	21.5
4 1	14 4.35	− 2 57.1	2.102	3.058	6.6	21.3
4 11	13 56.67	− 2 8.5	2.067	3.056	3.7	21.1
4 21	13 48.33	− 1 23.9	2.060	3.053	3.5	21.1
5 1	13 40.14	− 0 47.9	2.082	3.051	6.3	21.3
5 11	13 32.92	− 0 24.2	2.131	3.047	9.5	21.5
5 21	13 27.24	− 0 14.9	2.203	3.044	12.5	21.7

206805 2004 DJ_{51} 4 19.4 101°.47 1°.7/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 15.60	−17 24.4	2.271	3.046	13.6	20.3
3 22	14 11.17	−17 31.8	2.186	3.055	10.8	20.1
4 1	14 4.73	−17 27.6	2.124	3.064	7.6	19.9
4 11	13 56.86	−17 12.7	2.087	3.072	4.2	19.7
4 21	13 48.29	−16 49.1	2.079	3.081	1.7	19.5
5 1	13 39.92	−16 20.3	2.099	3.089	4.2	19.7
5 11	13 32.56	−15 50.7	2.147	3.098	7.6	20.0
5 21	13 26.82	−15 24.6	2.221	3.106	10.7	20.2

303373 2004 VS_{53} 4 19.4 148°.07 1°.0/18.6 18

3 12	14 18.44	−10 54.6	1.653	2.462	16.4	21.3
3 22	14 14.05	−10 31.8	1.574	2.468	12.8	21.1
4 1	14 6.99	− 9 57.3	1.517	2.473	8.6	20.9
4 11	13 58.00	− 9 14.8	1.484	2.478	3.9	20.6
4 21	13 48.07	− 8 29.3	1.479	2.482	1.6	20.4
5 1	13 38.42	− 7 46.9	1.500	2.486	6.2	20.7
5 11	13 30.18	− 7 13.8	1.548	2.490	10.6	21.0
5 21	13 24.11	− 6 53.8	1.618	2.493	14.5	21.2

119223 2001 QB_{220} 4 19.4 243°.69 6°.7/25.1 18 R

3 12	14 18.13	−31 0.4	2.148	2.859	16.1	20.2
3 22	14 13.87	−31 35.3	2.037	2.845	13.9	20.0
4 1	14 7.02	−31 50.8	1.945	2.831	11.3	19.8
4 11	13 58.11	−31 43.9	1.876	2.816	8.7	19.6
4 21	13 48.02	−31 13.3	1.832	2.800	6.9	19.5
5 1	13 37.87	−30 21.1	1.815	2.784	7.1	19.4
5 11	13 28.82	−29 13.1	1.825	2.767	9.3	19.5
5 21	13 21.77	−27 57.3	1.859	2.750	12.2	19.7

161664 2006 DM_{16} 4 19.4 248°.97 2°.8/13.8 18

3 12	14 4.78	+ 2 55.6	4.588	5.398	6.6	20.1
3 22	14 1.80	+ 3 35.1	4.504	5.395	5.2	20.0
4 1	13 57.99	+ 4 14.3	4.447	5.393	3.8	19.9
4 11	13 53.60	+ 4 50.8	4.418	5.390	2.9	19.8
4 21	13 48.94	+ 5 22.2	4.419	5.387	3.2	19.8
5 1	13 44.35	+ 5 46.7	4.448	5.384	4.4	19.9
5 11	13 40.15	+ 6 2.8	4.505	5.381	5.9	20.0
5 21	13 36.61	+ 6 9.8	4.587	5.378	7.3	20.1

480863 2001 SU_{5} 4 19.4 137°.35 14°.7/24.7 17

3 12	14 43.46	−33 57.4	1.301	2.003	25.2	21.0
3 22	14 36.56	−36 58.7	1.227	2.015	22.4	20.8
4 1	14 24.20	−39 41.0	1.171	2.026	19.3	20.7
4 11	14 6.86	−41 48.7	1.134	2.037	16.5	20.5
4 21	13 46.24	−43 7.4	1.121	2.047	14.8	20.4
5 1	13 25.24	−43 31.3	1.130	2.056	15.0	20.5
5 11	13 7.00	−43 8.2	1.162	2.063	17.0	20.6
5 21	12 53.57	−42 14.6	1.214	2.070	19.6	20.8

67061 1999 XK_{233} 4 19.4 128°.18 2°.7/16.3 17

3 12	14 13.18	− 6 35.8	2.335	3.144	12.2	20.5
3 22	14 9.04	− 5 28.8	2.262	3.157	9.4	20.3
4 1	14 3.15	− 4 14.7	2.213	3.170	6.2	20.1
4 11	13 56.06	− 2 58.5	2.192	3.182	3.4	19.9
4 21	13 48.47	− 1 45.8	2.200	3.194	3.2	20.0
5 1	13 41.13	− 0 42.1	2.238	3.206	6.0	20.1
5 11	13 34.74	+ 0 8.4	2.302	3.217	9.0	20.4
5 21	13 29.80	+ 0 43.2	2.391	3.227	11.8	20.6

245477 2005 NN_{66} 4 19.4 299°.17 0°.5/18.9 16

3 12	14 12.52	−11 44.7	2.073	2.877	13.7	21.2
3 22	14 9.17	−11 26.9	1.964	2.855	10.8	20.9
4 1	14 3.67	−10 58.7	1.877	2.832	7.3	20.7
4 11	13 56.49	−10 22.2	1.816	2.809	3.4	20.4
4 21	13 48.36	− 9 41.3	1.783	2.787	1.0	20.1
5 1	13 40.19	− 9 0.8	1.777	2.764	5.2	20.4
5 11	13 32.92	− 8 25.9	1.798	2.742	9.3	20.6
5 21	13 27.30	− 8 0.8	1.842	2.720	12.9	20.8

59516 1999 JX_{15} 4 19.4 306°.61 3°.7/17.2 18

3 12	14 19.40	− 2 5.3	1.677	2.498	15.7	18.5
3 22	14 14.94	− 2 2.0	1.586	2.486	12.4	18.2
4 1	14 7.74	− 1 56.9	1.516	2.473	8.5	18.0
4 11	13 58.44	− 1 54.4	1.472	2.461	4.8	17.7
4 21	13 47.98	− 1 58.8	1.453	2.449	4.1	17.6
5 1	13 37.59	− 2 13.9	1.462	2.438	7.7	17.8
5 11	13 28.48	− 2 42.2	1.496	2.426	11.9	18.0
5 21	13 21.52	− 3 24.4	1.553	2.415	15.7	18.2

222453 2001 QW_{253} 4 19.4 199°.44 2°.1/21.1 17

3 12	14 18.96	−18 21.9	2.288	3.053	13.8	21.2
3 22	14 13.92	−18 30.8	2.188	3.049	11.1	21.0
4 1	14 6.70	−18 27.5	2.109	3.045	7.9	20.8
4 11	13 57.84	−18 12.3	2.057	3.040	4.5	20.6
4 21	13 48.11	−17 46.8	2.033	3.034	2.1	20.4
5 1	13 38.45	−17 14.3	2.039	3.028	4.4	20.5
5 11	13 29.78	−16 39.6	2.073	3.021	8.0	20.7
5 21	13 22.82	−16 7.4	2.132	3.013	11.3	20.9

431312 2006 VM_{150} 4 19.4 181°.75 0°.9/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 15.23	− 9 4.2	2.555	3.350	11.7	21.3
3 22	14 10.62	− 8 57.5	2.464	3.350	9.1	21.1
4 1	14 4.25	− 8 44.9	2.397	3.350	6.1	20.9
4 11	13 56.61	− 8 28.5	2.357	3.350	2.8	20.7
4 21	13 48.36	− 8 11.1	2.346	3.350	1.2	20.6
5 1	13 40.23	− 7 55.8	2.365	3.349	4.4	20.8
5 11	13 32.94	− 7 45.6	2.412	3.348	7.6	21.0
5 21	13 27.05	− 7 42.7	2.484	3.347	10.5	21.2

54401 2000 LM 4 19.4 290°.19 12°.9/28.7 18

3 12	14 10.49	−38 39.5	1.015	1.772	27.7	19.6
3 22	14 11.03	−39 13.5	0.907	1.739	25.2	19.2
4 1	14 7.11	−39 1.2	0.811	1.705	21.9	18.9
4 11	13 58.96	−37 46.3	0.728	1.670	17.9	18.5
4 21	13 47.77	−35 13.7	0.663	1.634	14.2	18.1
5 1	13 35.84	−31 19.0	0.616	1.599	13.0	17.8
5 11	13 25.96	−26 18.7	0.591	1.563	16.4	17.8
5 21	13 20.16	−20 47.8	0.585	1.527	22.6	17.9

281403 2008 RW_{45} 4 19.4 107°.74 2°.0/17.5 17

3 12	14 13.52	− 8 41.3	2.026	2.838	13.7	20.7
3 22	14 9.65	− 7 55.5	1.950	2.846	10.6	20.5
4 1	14 3.74	− 7 0.7	1.897	2.855	7.0	20.3
4 11	13 56.40	− 6 1.4	1.870	2.863	3.4	20.1
4 21	13 48.41	− 5 3.0	1.871	2.872	2.5	20.0
5 1	13 40.68	− 4 11.2	1.901	2.880	5.9	20.3
5 11	13 34.03	− 3 30.7	1.957	2.887	9.5	20.5
5 21	13 29.06	− 3 4.6	2.036	2.895	12.6	20.7

315423 2007 VQ_{252} 4 19.4 166°.57 1°.1/20.3 18

3 12	14 19.26	−16 12.1	1.981	2.762	15.1	21.8
3 22	14 14.34	−16 5.5	1.893	2.767	12.0	21.6
4 1	14 7.04	−15 45.6	1.827	2.772	8.3	21.4
4 11	13 58.00	−15 13.9	1.787	2.775	4.3	21.2
4 21	13 48.10	−14 33.4	1.775	2.778	1.2	20.9
5 1	13 38.40	−13 48.8	1.791	2.781	4.8	21.2
5 11	13 29.90	−13 6.1	1.835	2.783	8.9	21.4
5 21	13 23.34	−12 30.2	1.903	2.784	12.4	21.7

9950 ESA 4 19.4 263°.99 4°.5/23.8 18 A

3 12	14 20.08	−28 15.9	2.525	3.235	14.0	21.5
3 22	14 15.05	−28 14.2	2.384	3.199	11.9	21.2
4 1	14 7.67	−27 54.0	2.263	3.162	9.4	21.0
4 11	13 58.41	−27 13.4	2.168	3.124	6.6	20.8
4 21	13 47.99	−26 12.2	2.101	3.084	4.7	20.6
5 1	13 37.37	−24 53.2	2.064	3.044	5.4	20.5
5 11	13 27.56	−23 22.5	2.056	3.001	8.2	20.6
5 21	13 19.41	−21 47.7	2.075	2.958	11.5	20.7

368755 2005 UF_{514} 4 19.4 187°.32 1°.1/18.3 17

3 12	14 14.57	−11 42.2	2.200	2.997	13.3	22.9
3 22	14 10.41	−10 54.1	2.109	2.997	10.3	22.7
4 1	14 4.25	− 9 54.5	2.042	2.996	6.9	22.4
4 11	13 56.66	− 8 47.3	2.001	2.994	3.1	22.2
4 21	13 48.37	− 7 37.3	1.990	2.992	1.5	22.1
5 1	13 40.25	− 6 30.4	2.007	2.990	5.2	22.3
5 11	13 33.12	− 5 32.4	2.052	2.987	8.9	22.5
5 21	13 27.58	− 4 47.2	2.122	2.983	12.1	22.7

311178 2004 VU_{7} 4 19.4 221°.07 2°.8/17.3 16

3 12	14 19.32	− 6 0.4	1.767	2.580	15.4	21.1
3 22	14 14.70	− 5 30.2	1.676	2.572	12.0	20.9
4 1	14 7.48	− 4 52.5	1.607	2.564	8.1	20.6
4 11	13 58.28	− 4 11.8	1.564	2.555	4.2	20.4
4 21	13 48.04	− 3 33.5	1.548	2.546	3.3	20.3
5 1	13 37.91	− 3 3.3	1.559	2.536	7.1	20.5
5 11	13 29.03	− 2 46.1	1.596	2.525	11.3	20.7
5 21	13 22.20	− 2 44.6	1.656	2.514	15.1	20.9

83574 2001 SJ_{226} 4 19.4 23°.41 1°.5/18.1 18

3 12	14 11.98	− 9 29.8	1.884	2.701	14.4	19.0
3 22	14 8.67	− 9 1.4	1.807	2.706	11.2	18.8
4 1	14 3.20	− 8 23.8	1.752	2.711	7.4	18.6
4 11	13 56.19	− 7 40.8	1.723	2.717	3.4	18.4
4 21	13 48.47	− 6 57.1	1.720	2.723	1.9	18.3
5 1	13 40.97	− 6 18.1	1.745	2.729	5.7	18.5
5 11	13 34.60	− 5 48.8	1.795	2.736	9.5	18.8
5 21	13 29.97	− 5 32.1	1.869	2.743	13.0	19.0

42482 Fischer–Dieskau 4 19.4 194°.17 0°.5/19.8 18

3 12	14 18.37	−14 47.2	2.150	2.932	14.0	20.5
3 22	14 13.51	−14 31.6	2.054	2.930	11.1	20.3
4 1	14 6.44	−14 4.0	1.980	2.927	7.6	20.1
4 11	13 57.72	−13 26.1	1.933	2.923	3.7	19.8
4 21	13 48.17	−12 41.3	1.914	2.919	0.7	19.6
5 1	13 38.74	−11 54.3	1.925	2.913	4.7	19.8
5 11	13 30.36	−11 10.5	1.963	2.907	8.6	20.1
5 21	13 23.73	−10 34.4	2.026	2.900	12.1	20.3

437160 2012 VZ_{39} 4 19.4 192°.71 1°.3/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 15.29	− 7 54.6	2.475	3.273	11.9	20.8
3 22	14 10.73	− 7 41.1	2.383	3.272	9.3	20.6
4 1	14 4.36	− 7 22.0	2.316	3.270	6.2	20.4
4 11	13 56.69	− 6 59.8	2.276	3.269	2.9	20.2
4 21	13 48.37	− 6 37.6	2.265	3.267	1.7	20.1
5 1	13 40.18	− 6 18.8	2.283	3.265	4.8	20.3
5 11	13 32.86	− 6 6.7	2.330	3.262	8.1	20.5
5 21	13 26.97	− 6 3.3	2.401	3.260	11.0	20.7

178116 2006 TK_{7} 4 19.4 131°.99 0°.3/19.7 17

3 12	14 13.30	−14 14.3	2.628	3.410	11.7	21.7
3 22	14 9.05	−13 57.3	2.543	3.420	9.2	21.5
4 1	14 3.15	−13 31.0	2.481	3.428	6.2	21.3
4 11	13 56.09	−12 57.3	2.446	3.437	3.0	21.1
4 21	13 48.50	−12 19.2	2.441	3.445	0.5	20.9
5 1	13 41.08	−11 40.1	2.465	3.454	3.8	21.2
5 11	13 34.51	−11 4.2	2.517	3.461	7.0	21.4
5 21	13 29.28	−10 34.7	2.595	3.469	9.8	21.6

83570 2001 SD_{224} 4 19.4 351°.12 2°.6/16.9 18

3 12	14 9.68	− 8 0.8	1.831	2.657	14.4	19.0
3 22	14 7.00	− 7 6.1	1.749	2.653	11.1	18.8
4 1	14 2.15	− 6 1.2	1.689	2.650	7.4	18.6
4 11	13 55.74	− 4 51.3	1.655	2.648	3.7	18.4
4 21	13 48.56	− 3 42.9	1.647	2.646	3.2	18.3
5 1	13 41.56	− 2 42.8	1.667	2.644	6.7	18.5
5 11	13 35.64	− 1 56.7	1.711	2.643	10.5	18.7
5 21	13 31.46	− 1 28.1	1.778	2.642	14.0	19.0

313617 2003 QC_{87} 4 19.4 287°.90 1°.4/20.3 17

3 12	14 15.59	−16 10.8	1.529	2.336	17.7	21.0
3 22	14 12.60	−16 7.8	1.422	2.311	14.3	20.7
4 1	14 6.60	−15 47.9	1.334	2.285	10.1	20.4
4 11	13 58.10	−15 11.7	1.270	2.260	5.2	20.0
4 21	13 48.06	−14 22.2	1.230	2.234	1.4	19.7
5 1	13 37.82	−13 25.5	1.216	2.208	6.2	19.9
5 11	13 28.82	−12 30.1	1.227	2.182	11.5	20.1
5 21	13 22.18	−11 43.7	1.259	2.157	16.4	20.3

470982 2009 SS_{57} 4 19.4 312°.21 2°.4/21.4 16

3 12	14 11.06	−20 26.8	1.580	2.378	17.6	21.4
3 22	14 8.77	−20 8.4	1.483	2.364	14.3	21.1
4 1	14 3.76	−19 28.0	1.406	2.351	10.3	20.9
4 11	13 56.64	−18 26.6	1.352	2.337	5.8	20.6
4 21	13 48.36	−17 7.9	1.322	2.324	2.4	20.3
5 1	13 40.15	−15 39.5	1.319	2.312	5.6	20.5
5 11	13 33.23	−14 11.2	1.340	2.300	10.3	20.7
5 21	13 28.49	−12 52.1	1.385	2.288	14.7	20.9

83197 2001 RS_{3} 4 19.4 3°.16 7°.3/12.3 18

3 12	14 11.81	+ 1 52.7	1.642	2.482	15.1	19.5
3 22	14 8.81	+ 3 42.9	1.574	2.482	12.0	19.3
4 1	14 3.44	+ 5 37.1	1.530	2.482	8.9	19.1
4 11	13 56.34	+ 7 25.0	1.510	2.482	7.3	19.0
4 21	13 48.45	+ 8 56.7	1.517	2.482	8.3	19.1
5 1	13 40.82	+10 4.0	1.549	2.482	11.1	19.2
5 11	13 34.44	+10 42.7	1.603	2.483	14.3	19.4
5 21	13 30.00	+10 52.5	1.677	2.483	17.3	19.6

457556 2008 YC_{89} 4 19.4 174°.71 3°.5/22.0 16

3 12	14 17.69	−21 47.7	1.615	2.395	18.0	21.9
3 22	14 13.83	−21 52.9	1.529	2.396	14.8	21.6
4 1	14 7.08	−21 38.0	1.462	2.397	10.8	21.4
4 11	13 58.15	−21 2.7	1.418	2.398	6.6	21.2
4 21	13 48.09	−20 9.4	1.399	2.398	3.6	21.0
5 1	13 38.23	−19 3.9	1.407	2.398	5.8	21.1
5 11	13 29.84	−17 54.9	1.441	2.398	10.0	21.3
5 21	13 23.80	−16 50.7	1.498	2.397	14.1	21.6

6363 Doggett 4 19.4 85°.90 0°.5/19.1 18

3 12	14 20.66	−11 14.8	1.474	2.287	17.9	17.0
3 22	14 15.94	−11 9.5	1.409	2.303	14.0	16.8
4 1	14 8.31	−10 52.6	1.364	2.320	9.4	16.5
4 11	13 58.62	−10 27.2	1.343	2.336	4.3	16.3
4 21	13 48.03	− 9 57.9	1.348	2.353	1.1	16.1
5 1	13 37.89	− 9 30.4	1.380	2.369	6.2	16.5
5 11	13 29.43	− 9 10.3	1.437	2.384	10.9	16.8
5 21	13 23.42	− 9 1.4	1.516	2.400	14.9	17.0

490196 2008 UH_{327} 4 19.4 236°.51 15°.2/24.1 18

3 12	14 34.24	−33 33.9	1.261	1.984	24.9	21.4
3 22	14 29.60	−36 25.7	1.173	1.977	22.3	21.2
4 1	14 19.79	−39 2.0	1.102	1.968	19.5	21.0
4 11	14 5.03	−41 8.7	1.049	1.960	16.8	20.8
4 21	13 46.62	−42 31.2	1.018	1.950	15.3	20.6
5 1	13 27.17	−43 1.0	1.008	1.941	15.7	20.6
5 11	13 9.83	−42 42.5	1.019	1.930	17.9	20.7
5 21	12 56.98	−41 50.5	1.049	1.920	20.9	20.8

71898 2000 WU_{14} 4 19.4 65°.01 4°.0/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 16.28	−22 50.1	1.454	2.240	19.4	19.5
3 22	14 12.85	−22 55.7	1.383	2.253	15.8	19.3
4 1	14 6.43	−22 38.5	1.330	2.265	11.7	19.1
4 11	13 57.81	−21 58.5	1.300	2.278	7.2	18.9
4 21	13 48.19	−20 58.9	1.293	2.291	4.1	18.7
5 1	13 38.95	−19 46.8	1.313	2.304	6.0	18.9
5 11	13 31.38	−18 31.8	1.357	2.317	10.2	19.1
5 21	13 26.30	−17 23.0	1.424	2.330	14.2	19.4

214571 2006 QK_{35} 4 19.4 284°.50 0°.1/19.4 17

3 12	14 15.84	−13 14.1	1.594	2.406	16.8	21.3
3 22	14 12.56	−13 3.7	1.491	2.384	13.4	21.0
4 1	14 6.41	−12 39.2	1.408	2.363	9.3	20.7
4 11	13 57.95	−12 2.6	1.348	2.341	4.4	20.4
4 21	13 48.12	−11 17.8	1.314	2.319	0.8	20.1
5 1	13 38.18	−10 31.0	1.307	2.297	6.2	20.4
5 11	13 29.46	− 9 49.4	1.325	2.275	11.3	20.6
5 21	13 22.97	− 9 19.3	1.364	2.253	15.9	20.8

289841 2005 LL_{34} 4 19.4 286°.38 0°.2/19.6 17

3 12	14 10.74	−15 35.3	2.156	2.951	13.6	20.8
3 22	14 7.60	−14 55.1	2.058	2.942	10.7	20.6
4 1	14 2.47	−14 0.6	1.982	2.933	7.3	20.4
4 11	13 55.88	−12 54.4	1.933	2.924	3.5	20.1
4 21	13 48.55	−11 41.1	1.911	2.915	0.6	19.8
5 1	13 41.33	−10 26.6	1.917	2.907	4.7	20.1
5 11	13 35.05	− 9 17.4	1.951	2.898	8.5	20.3
5 21	13 30.33	− 8 18.7	2.010	2.889	11.9	20.5

209106 2003 SG_{110} 4 19.4 273°.64 1°.6/20.5 17

3 12	14 16.83	−17 15.5	1.723	2.515	16.6	20.9
3 22	14 13.25	−17 8.4	1.610	2.489	13.4	20.6
4 1	14 6.87	−16 44.6	1.517	2.463	9.5	20.3
4 11	13 58.18	−16 4.6	1.448	2.436	5.1	20.0
4 21	13 48.08	−15 10.9	1.405	2.409	1.6	19.7
5 1	13 37.80	−14 9.3	1.389	2.381	5.7	19.9
5 11	13 28.64	−13 7.6	1.399	2.352	10.6	20.1
5 21	13 21.62	−12 13.3	1.433	2.323	15.1	20.2

407678 2011 UE_{38} 4 19.4 134°.29 0°.7/18.8 18

3 12	14 18.61	−12 33.4	1.839	2.637	15.4	22.6
3 22	14 13.82	−11 58.1	1.764	2.651	12.1	22.4
4 1	14 6.65	−11 10.3	1.711	2.664	8.1	22.2
4 11	13 57.80	−10 13.6	1.683	2.676	3.7	21.9
4 21	13 48.21	− 9 13.2	1.684	2.688	1.2	21.8
5 1	13 38.96	− 8 15.5	1.713	2.699	5.5	22.1
5 11	13 31.02	− 7 26.5	1.769	2.710	9.7	22.3
5 21	13 25.08	− 6 50.5	1.849	2.719	13.2	22.6

523687 2014 DF_{143} 4 19.4 96°.41 0°.1/18.2 18

3 12	13 52.50	− 8 1.0	42.234	43.026	0.8	21.9
3 22	13 51.87	− 7 58.0	42.141	43.028	0.6	21.9
4 1	13 51.17	− 7 54.6	42.075	43.029	0.4	21.9
4 11	13 50.42	− 7 51.1	42.037	43.030	0.2	21.8
4 21	13 49.64	− 7 47.6	42.029	43.031	0.1	21.8
5 1	13 48.87	− 7 44.3	42.051	43.032	0.3	21.9
5 11	13 48.13	− 7 41.3	42.101	43.033	0.5	21.9
5 21	13 47.45	− 7 38.7	42.178	43.035	0.7	21.9

19385 1998 CE_{4} 4 19.4 220°.32 1°.4/18.4 18

3 12	14 18.63	− 9 40.6	1.893	2.696	14.9	19.4
3 22	14 14.05	− 9 17.1	1.797	2.688	11.7	19.1
4 1	14 6.99	− 8 43.8	1.724	2.679	7.9	18.9
4 11	13 58.07	− 8 3.8	1.676	2.669	3.6	18.6
4 21	13 48.14	− 7 21.7	1.656	2.658	1.8	18.4
5 1	13 38.30	− 6 43.0	1.664	2.647	6.0	18.7
5 11	13 29.60	− 6 12.9	1.699	2.636	10.2	18.9
5 21	13 22.84	− 5 55.2	1.757	2.624	14.0	19.1

508454 2016 NH_{2} 4 19.4 264°.43 7°.4/11.9 17

3 12	14 14.28	+ 7 15.6	2.043	2.865	13.2	21.1
3 22	14 10.41	+ 8 31.3	1.958	2.850	10.8	20.9
4 1	14 4.40	+ 9 45.5	1.898	2.835	8.6	20.7
4 11	13 56.80	+10 50.6	1.863	2.820	7.4	20.6
4 21	13 48.39	+11 39.6	1.854	2.804	8.2	20.7
5 1	13 40.09	+12 7.1	1.871	2.788	10.5	20.8
5 11	13 32.79	+12 10.3	1.912	2.772	13.2	20.9
5 21	13 27.17	+11 49.8	1.973	2.756	15.8	21.0

170383 2003 SP_{288} 4 19.4 125°.92 1°.6/18.1 18

3 12	14 18.12	− 9 48.3	1.847	2.652	15.1	20.8
3 22	14 13.39	− 9 10.8	1.775	2.667	11.7	20.6
4 1	14 6.33	− 8 23.2	1.725	2.681	7.8	20.4
4 11	13 57.65	− 7 29.7	1.701	2.694	3.6	20.1
4 21	13 48.25	− 6 35.8	1.705	2.707	2.1	20.1
5 1	13 39.20	− 5 47.3	1.737	2.719	6.0	20.3
5 11	13 31.45	− 5 9.6	1.796	2.731	9.9	20.6
5 21	13 25.63	− 4 45.8	1.878	2.742	13.4	20.8

407697 2011 UC_{114} 4 19.4 123°.22 0°.7/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 18.56	−12 38.1	1.768	2.569	15.9	22.2
3 22	14 13.85	−12 2.8	1.696	2.585	12.4	22.0
4 1	14 6.70	−11 14.6	1.646	2.600	8.3	21.8
4 11	13 57.83	−10 17.3	1.621	2.614	3.8	21.6
4 21	13 48.22	− 9 16.3	1.624	2.628	1.2	21.4
5 1	13 38.98	− 8 18.1	1.655	2.641	5.7	21.8
5 11	13 31.12	− 7 29.1	1.713	2.654	9.8	22.0
5 21	13 25.31	− 6 53.5	1.794	2.666	13.5	22.3

417683 2007 AH_{31} 4 19.4 47°.48 1°.6/18.5 18

3 12	14 21.60	− 6 35.9	1.469	2.289	17.6	20.2
3 22	14 16.61	− 6 51.7	1.408	2.307	13.7	19.9
4 1	14 8.73	− 7 2.2	1.367	2.326	9.1	19.7
4 11	13 58.82	− 7 10.1	1.351	2.344	4.3	19.5
4 21	13 48.05	− 7 18.6	1.361	2.364	2.1	19.4
5 1	13 37.77	− 7 31.1	1.398	2.383	6.5	19.7
5 11	13 29.18	− 7 50.7	1.459	2.403	11.0	20.0
5 21	13 23.04	− 8 19.0	1.544	2.424	14.8	20.3

84664 2002 VG_{81} 4 19.4 66°.16 7°.3/14.7 18

3 12	14 19.90	+ 5 39.1	1.580	2.407	16.2	19.1
3 22	14 15.04	+ 6 21.9	1.522	2.419	13.0	18.9
4 1	14 7.54	+ 7 0.6	1.486	2.432	9.7	18.7
4 11	13 58.23	+ 7 27.5	1.473	2.444	7.5	18.6
4 21	13 48.17	+ 7 36.7	1.486	2.457	7.9	18.7
5 1	13 38.59	+ 7 24.3	1.525	2.469	10.4	18.8
5 11	13 30.55	+ 6 49.7	1.588	2.482	13.6	19.1
5 21	13 24.74	+ 5 55.3	1.671	2.495	16.5	19.3

506745 2006 VG_{62} 4 19.4 151°.34 0°.2/19.2 17

3 12	14 12.85	−12 39.0	2.885	3.669	10.8	23.0
3 22	14 8.56	−12 18.0	2.797	3.676	8.4	22.8
4 1	14 2.77	−11 49.1	2.734	3.683	5.6	22.7
4 11	13 55.93	−11 14.5	2.698	3.689	2.6	22.5
4 21	13 48.60	−10 36.9	2.691	3.696	0.6	22.3
5 1	13 41.43	− 9 59.6	2.715	3.701	3.7	22.6
5 11	13 35.00	− 9 26.2	2.767	3.707	6.6	22.8
5 21	13 29.79	− 8 59.4	2.845	3.712	9.2	22.9

110379 2001 SC_{343} 4 19.4 135°.90 6°.5/13.0 18

3 12	14 15.04	+ 3 48.6	1.970	2.794	13.6	19.7
3 22	14 10.83	+ 5 13.0	1.907	2.803	10.8	19.5
4 1	14 4.54	+ 6 37.4	1.866	2.812	8.1	19.4
4 11	13 56.81	+ 7 54.0	1.853	2.820	6.6	19.3
4 21	13 48.45	+ 8 55.8	1.866	2.828	7.3	19.3
5 1	13 40.39	+ 9 37.3	1.906	2.835	9.6	19.5
5 11	13 33.46	+ 9 56.0	1.970	2.842	12.3	19.7
5 21	13 28.27	+ 9 52.1	2.055	2.849	14.9	19.9

449085 2012 QV_{29} 4 19.4 178°.26 13°.1/25.8 18

3 12	14 27.84	−34 5.7	1.338	2.063	23.6	21.6
3 22	14 23.61	−36 20.0	1.258	2.063	21.0	21.4
4 1	14 14.93	−38 12.6	1.194	2.063	18.0	21.2
4 11	14 2.36	−39 32.6	1.148	2.064	15.2	21.0
4 21	13 47.29	−40 11.0	1.123	2.064	13.4	20.9
5 1	13 31.98	−40 4.9	1.121	2.063	13.4	20.9
5 11	13 18.80	−39 21.5	1.139	2.063	15.3	21.0
5 21	13 9.42	−38 14.1	1.178	2.063	18.1	21.2

522527 2016 EM_{236} 4 19.4 205°.69 7°.5/10.8 17

3 12	14 15.38	+10 41.5	2.375	3.185	12.0	21.7
3 22	14 10.87	+12 0.9	2.301	3.180	10.0	21.6
4 1	14 4.49	+13 16.0	2.252	3.174	8.2	21.4
4 11	13 56.79	+14 19.9	2.228	3.168	7.5	21.4
4 21	13 48.45	+15 6.7	2.232	3.161	8.3	21.4
5 1	13 40.28	+15 32.1	2.262	3.153	10.1	21.5
5 11	13 33.05	+15 34.7	2.316	3.145	12.3	21.6
5 21	13 27.30	+15 15.2	2.390	3.137	14.3	21.8

210966 2001 UJ_{191} 4 19.4 184°.58 2°.2/21.5 17

3 12	14 15.50	−19 3.2	2.454	3.219	13.0	20.9
3 22	14 11.08	−19 14.8	2.358	3.219	10.5	20.8
4 1	14 4.71	−19 14.8	2.285	3.219	7.5	20.6
4 11	13 56.93	−19 3.5	2.237	3.218	4.4	20.4
4 21	13 48.42	−18 42.5	2.218	3.218	2.2	20.2
5 1	13 40.01	−18 14.6	2.228	3.217	4.1	20.3
5 11	13 32.50	−17 44.2	2.265	3.216	7.3	20.5
5 21	13 26.50	−17 15.4	2.329	3.215	10.3	20.7

5525 1991 TS_{4} 4 19.4 260°.26 4°.5/22.1 18 R

3 12	14 19.91	−21 34.8	1.593	2.370	18.3	17.0
3 22	14 15.99	−22 10.6	1.491	2.355	15.2	16.8
4 1	14 8.91	−22 29.5	1.408	2.340	11.4	16.5
4 11	13 59.22	−22 29.2	1.348	2.324	7.3	16.2
4 21	13 47.95	−22 9.3	1.313	2.308	4.5	16.0
5 1	13 36.54	−21 33.1	1.304	2.292	6.5	16.1
5 11	13 26.48	−20 47.4	1.320	2.275	10.8	16.3
5 21	13 18.92	−20 0.8	1.358	2.258	15.2	16.5

324600 2006 XJ_{65} 4 19.4 238°.47 0°.2/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 14.65	−14 14.1	1.910	2.709	14.9	20.7
3 22	14 10.96	−13 38.0	1.812	2.699	11.8	20.5
4 1	14 4.92	−12 47.1	1.736	2.689	8.0	20.2
4 11	13 57.12	−11 44.3	1.686	2.678	3.7	19.9
4 21	13 48.38	−10 34.5	1.663	2.667	0.8	19.7
5 1	13 39.74	− 9 24.3	1.668	2.656	5.4	20.0
5 11	13 32.19	− 8 20.7	1.699	2.644	9.7	20.2
5 21	13 26.48	− 7 29.4	1.755	2.632	13.5	20.4

86337 1999 XP_{32} 4 19.4 167°.22 2°.7/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.69	−20 33.0	1.705	2.481	17.4	19.7
3 22	14 15.18	−20 28.8	1.619	2.486	14.1	19.5
4 1	14 7.89	−20 5.8	1.553	2.490	10.1	19.3
4 11	13 58.53	−19 24.2	1.511	2.493	5.9	19.0
4 21	13 48.12	−18 27.1	1.495	2.496	2.8	18.8
5 1	13 37.95	−17 20.6	1.507	2.498	5.4	19.0
5 11	13 29.22	−16 12.7	1.545	2.499	9.7	19.3
5 21	13 22.75	−15 11.3	1.607	2.499	13.7	19.5

3708 1974 FV_{1} 4 19.4 238°.90 2°.7/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.57	−28 46.1	5.058	5.752	7.6	17.2
3 22	14 3.27	−28 49.0	4.942	5.744	6.4	17.1
4 1	13 59.04	−28 43.0	4.850	5.735	5.0	16.9
4 11	13 54.17	−28 28.1	4.784	5.727	3.7	16.8
4 21	13 48.97	−28 5.0	4.747	5.718	2.8	16.8
5 1	13 43.81	−27 35.1	4.738	5.710	3.0	16.8
5 11	13 39.04	−27 0.3	4.759	5.701	4.0	16.8
5 21	13 34.96	−26 22.9	4.808	5.692	5.4	16.9

205968 2002 LT_{61} 4 19.4 338°.40 1°.4/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.61	−11 17.1	1.281	2.119	18.6	20.5
3 22	14 9.58	−10 46.4	1.201	2.111	14.7	20.2
4 1	14 4.51	− 9 59.7	1.140	2.103	9.9	19.9
4 11	13 57.08	− 9 1.4	1.101	2.096	4.5	19.6
4 21	13 48.39	− 7 58.7	1.087	2.090	2.1	19.4
5 1	13 39.87	− 7 0.4	1.096	2.085	7.4	19.7
5 11	13 32.90	− 6 15.3	1.129	2.080	12.7	20.0
5 21	13 28.42	− 5 48.7	1.181	2.076	17.3	20.3

304778 2007 HL_{17} 4 19.4 290°.39 5°.3/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.18	− 2 30.5	1.367	2.205	17.7	20.7
3 22	14 14.06	− 1 46.0	1.270	2.179	14.1	20.4
4 1	14 7.73	− 0 53.7	1.193	2.153	9.9	20.1
4 11	13 58.74	− 0 0.6	1.139	2.127	6.1	19.8
4 21	13 48.12	+ 0 45.0	1.109	2.101	6.1	19.7
5 1	13 37.32	+ 1 14.2	1.103	2.074	10.2	19.9
5 11	13 27.89	+ 1 20.7	1.121	2.048	15.2	20.0
5 21	13 20.99	+ 1 2.2	1.157	2.022	19.8	20.2

152657 Yukifumi 4 19.4 131°.76 2°.5/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.76	− 6 16.8	2.240	3.044	12.8	21.5
3 22	14 11.91	− 5 33.3	2.168	3.059	9.9	21.4
4 1	14 5.16	− 4 43.6	2.119	3.074	6.6	21.2
4 11	13 57.10	− 3 52.2	2.098	3.088	3.4	21.0
4 21	13 48.49	− 3 3.7	2.105	3.102	2.9	21.0
5 1	13 40.16	− 2 22.8	2.142	3.115	5.8	21.2
5 11	13 32.88	− 1 53.4	2.206	3.127	9.1	21.4
5 21	13 27.19	− 1 37.4	2.294	3.138	11.9	21.6

437466 2013 YM_{32} 4 19.4 56°.94 5°.0/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.55	+ 0 24.4	2.115	2.941	12.7	20.7
3 22	14 8.06	+ 1 32.0	2.044	2.945	9.9	20.5
4 1	14 2.69	+ 2 42.0	1.997	2.950	7.1	20.4
4 11	13 55.99	+ 3 48.2	1.976	2.954	5.1	20.3
4 21	13 48.69	+ 4 44.4	1.982	2.959	5.6	20.3
5 1	13 41.62	+ 5 25.6	2.016	2.964	8.0	20.4
5 11	13 35.53	+ 5 48.6	2.074	2.969	10.9	20.6
5 21	13 30.98	+ 5 52.5	2.155	2.973	13.5	20.8

424101 2007 ER_{23} 4 19.4 100°.82 3°.5/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.57	− 5 21.5	1.823	2.647	14.5	21.2
3 22	14 9.97	− 4 22.3	1.748	2.651	11.2	21.0
4 1	14 4.15	− 3 15.3	1.696	2.655	7.6	20.8
4 11	13 56.72	− 2 6.6	1.669	2.659	4.2	20.6
4 21	13 48.56	− 1 2.7	1.669	2.663	4.1	20.6
5 1	13 40.65	− 0 10.3	1.697	2.667	7.4	20.8
5 11	13 33.91	+ 0 25.7	1.750	2.671	11.0	21.0
5 21	13 28.99	+ 0 43.1	1.825	2.674	14.3	21.3

245164 2004 TC_{90} 4 19.4 291°.89 1°.9/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.86	−17 27.4	1.410	2.220	18.7	20.9
3 22	14 12.25	−17 27.1	1.311	2.200	15.2	20.6
4 1	14 6.48	−17 7.8	1.231	2.181	10.8	20.3
4 11	13 58.14	−16 29.8	1.173	2.162	5.8	20.0
4 21	13 48.25	−15 36.1	1.139	2.143	2.0	19.7
5 1	13 38.25	−14 33.4	1.131	2.124	6.3	19.9
5 11	13 29.66	−13 31.1	1.146	2.105	11.7	20.1
5 21	13 23.59	−12 37.9	1.183	2.087	16.7	20.4

212623 2006 TB_{22} 4 19.4 240°.43 1°.6/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 13.08	− 8 5.8	2.447	3.250	11.9	20.9
3 22	14 9.12	− 7 39.1	2.352	3.243	9.3	20.7
4 1	14 3.38	− 7 5.7	2.281	3.236	6.2	20.5
4 11	13 56.33	− 6 28.7	2.236	3.229	2.9	20.3
4 21	13 48.63	− 5 51.6	2.220	3.221	1.9	20.2
5 1	13 41.02	− 5 18.7	2.233	3.213	5.0	20.4
5 11	13 34.24	− 4 53.6	2.274	3.205	8.3	20.6
5 21	13 28.84	− 4 38.9	2.339	3.197	11.3	20.8

498752 2008 UP_{6} 4 19.4 167°.66 2°.2/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.26	− 7 2.3	2.238	3.046	12.7	22.1
3 22	14 10.11	− 6 22.5	2.154	3.048	9.9	21.9
4 1	14 4.06	− 5 35.7	2.094	3.051	6.6	21.7
4 11	13 56.64	− 4 45.9	2.061	3.053	3.3	21.5
4 21	13 48.58	− 3 57.9	2.056	3.054	2.7	21.5
5 1	13 40.70	− 3 16.3	2.080	3.056	5.7	21.7
5 11	13 33.78	− 2 45.4	2.131	3.057	9.1	21.9
5 21	13 28.40	− 2 27.6	2.205	3.057	12.1	22.1

204958 2008 WQ_{88} 4 19.4 250°.61 0°.4/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.07	−15 14.2	2.075	2.869	14.1	21.0
3 22	14 9.51	−14 49.2	1.981	2.864	11.1	20.8
4 1	14 3.84	−14 10.9	1.909	2.858	7.6	20.5
4 11	13 56.60	−13 21.5	1.862	2.853	3.7	20.3
4 21	13 48.58	−12 25.0	1.843	2.847	0.7	20.0
5 1	13 40.67	−11 26.8	1.852	2.842	4.7	20.3
5 11	13 33.77	−10 32.9	1.888	2.836	8.6	20.5
5 21	13 28.55	− 9 48.1	1.949	2.830	12.1	20.7

335588 2006 DU_{67} 4 19.4 1°.58 8°.0/25.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.64	−29 21.2	1.666	2.411	18.9	19.5
3 22	14 13.34	−30 31.6	1.580	2.410	16.2	19.3
4 1	14 7.02	−31 21.7	1.512	2.409	13.2	19.1
4 11	13 58.30	−31 47.4	1.465	2.410	10.2	18.9
4 21	13 48.24	−31 46.2	1.441	2.410	8.2	18.8
5 1	13 38.23	−31 20.0	1.442	2.412	8.5	18.8
5 11	13 29.66	−30 35.0	1.468	2.414	10.8	18.9
5 21	13 23.55	−29 40.1	1.515	2.416	13.8	19.1

72500 2001 DT_{66} 4 19.4 91°.81 1°.1/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.41	−11 34.7	1.613	2.425	16.7	19.7
3 22	14 13.16	−10 57.8	1.547	2.442	12.9	19.4
4 1	14 6.35	−10 8.1	1.503	2.459	8.6	19.2
4 11	13 57.74	− 9 10.2	1.483	2.477	3.9	19.0
4 21	13 48.39	− 8 10.1	1.490	2.493	1.7	18.9
5 1	13 39.46	− 7 14.7	1.524	2.510	6.1	19.2
5 11	13 31.99	− 6 30.5	1.584	2.526	10.4	19.5
5 21	13 26.68	− 6 1.2	1.666	2.542	14.2	19.7

215928 2005 JX_{151} 4 19.4 322°.35 2°.3/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.11	− 8 49.7	1.377	2.213	17.7	20.6
3 22	14 10.61	− 8 19.8	1.292	2.201	13.9	20.4
4 1	14 5.16	− 7 37.4	1.227	2.190	9.4	20.1
4 11	13 57.42	− 6 47.3	1.184	2.179	4.5	19.7
4 21	13 48.42	− 5 56.3	1.167	2.169	2.9	19.6
5 1	13 39.52	− 5 12.1	1.174	2.159	7.6	19.9
5 11	13 32.05	− 4 42.0	1.204	2.150	12.7	20.1
5 21	13 26.98	− 4 30.2	1.255	2.141	17.1	20.4

38527 1999 TJ_{315} 4 19.4 30°.48 0°.8/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.90	−10 45.1	2.197	3.002	13.0	19.4
3 22	14 8.35	−10 22.9	2.114	3.006	10.1	19.2
4 1	14 2.91	− 9 51.9	2.055	3.011	6.7	19.0
4 11	13 56.11	− 9 15.2	2.022	3.015	3.1	18.7
4 21	13 48.69	− 8 36.5	2.017	3.020	1.2	18.6
5 1	13 41.44	− 8 0.2	2.040	3.026	4.8	18.9
5 11	13 35.16	− 7 30.7	2.090	3.031	8.3	19.1
5 21	13 30.39	− 7 11.0	2.164	3.037	11.5	19.3

122646 2000 RO_{86} 4 19.4 146°.20 5°.0/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.64	−26 51.8	2.274	3.001	14.9	20.6
3 22	14 14.60	−27 24.6	2.184	3.009	12.5	20.4
4 1	14 7.26	−27 41.1	2.115	3.017	9.8	20.3
4 11	13 58.21	−27 39.6	2.070	3.024	7.0	20.1
4 21	13 48.30	−27 20.2	2.051	3.031	5.1	20.0
5 1	13 38.54	−26 45.5	2.061	3.038	5.7	20.0
5 11	13 29.90	−26 0.7	2.099	3.044	8.1	20.2
5 21	13 23.10	−25 12.0	2.161	3.049	10.9	20.4

238202 2003 TB_{56} 4 19.4 177°.36 2°.6/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.26	− 5 37.8	2.225	3.035	12.7	21.7
3 22	14 10.13	− 4 57.9	2.141	3.036	9.8	21.5
4 1	14 4.09	− 4 12.1	2.081	3.037	6.6	21.3
4 11	13 56.67	− 3 24.4	2.047	3.038	3.5	21.1
4 21	13 48.60	− 2 39.7	2.042	3.038	3.1	21.1
5 1	13 40.69	− 2 2.7	2.065	3.038	6.0	21.3
5 11	13 33.75	− 1 37.2	2.115	3.037	9.3	21.5
5 21	13 28.35	− 1 25.3	2.189	3.037	12.3	21.6

502353 2015 BU_{205} 4 19.4 101°.48 3°.1/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 14.87	− 5 32.8	1.968	2.785	13.9	21.8
3 22	14 10.73	− 4 42.4	1.899	2.798	10.7	21.6
4 1	14 4.51	− 3 45.4	1.853	2.811	7.2	21.4
4 11	13 56.85	− 2 47.3	1.834	2.824	3.9	21.2
4 21	13 48.57	− 1 53.6	1.842	2.837	3.6	21.2
5 1	13 40.60	− 1 9.8	1.878	2.849	6.6	21.4
5 11	13 33.77	− 0 40.1	1.940	2.861	10.1	21.7
5 21	13 28.66	− 0 26.4	2.025	2.873	13.1	21.9

340551 2006 KU_{44} 4 19.4 237°.07 4°.4/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.16	− 1 27.1	2.281	3.100	12.1	21.3
3 22	14 8.53	− 0 12.3	2.191	3.090	9.5	21.1
4 1	14 3.04	+ 1 7.7	2.126	3.080	6.7	20.9
4 11	13 56.20	+ 2 26.9	2.089	3.070	4.6	20.7
4 21	13 48.68	+ 3 39.1	2.079	3.059	5.1	20.7
5 1	13 41.27	+ 4 38.3	2.098	3.048	7.6	20.9
5 11	13 34.73	+ 5 20.5	2.143	3.037	10.6	21.0
5 21	13 29.64	+ 5 43.6	2.210	3.026	13.3	21.2

467425 2005 VN_{61} 4 19.4 142°.11 5°.9/13.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.03	+ 5 55.1	2.338	3.147	12.2	21.9
3 22	14 12.79	+ 6 49.8	2.273	3.159	9.8	21.7
4 1	14 5.70	+ 7 42.0	2.233	3.171	7.4	21.6
4 11	13 57.35	+ 8 25.8	2.219	3.182	6.0	21.5
4 21	13 48.48	+ 8 56.4	2.233	3.192	6.4	21.6
5 1	13 39.91	+ 9 10.4	2.275	3.202	8.4	21.7
5 11	13 32.36	+ 9 6.2	2.343	3.211	10.8	21.9
5 21	13 26.38	+ 8 44.5	2.434	3.220	13.1	22.0

119273 2001 RX_{78} 4 19.4 131°.29 4°.2/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 21.51	+ 0 58.7	2.202	3.005	13.1	20.1
3 22	14 15.58	+ 1 22.6	2.132	3.020	10.2	19.9
4 1	14 7.62	+ 1 46.4	2.085	3.033	7.2	19.7
4 11	13 58.26	+ 2 5.6	2.066	3.047	4.7	19.6
4 21	13 48.32	+ 2 16.3	2.075	3.059	4.6	19.6
5 1	13 38.69	+ 2 15.3	2.114	3.072	7.1	19.8
5 11	13 30.22	+ 2 0.9	2.180	3.083	10.0	20.0
5 21	13 23.47	+ 1 33.3	2.270	3.094	12.7	20.2

199524 2006 DV_{152} 4 19.4 163°.22 0°.3/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.62	−14 32.1	2.175	2.964	13.6	21.1
3 22	14 10.54	−14 11.6	2.086	2.967	10.7	20.9
4 1	14 4.43	−13 39.4	2.021	2.970	7.3	20.7
4 11	13 56.86	−12 57.7	1.981	2.972	3.5	20.5
4 21	13 48.57	−12 10.2	1.969	2.974	0.6	20.3
5 1	13 40.45	−11 21.5	1.986	2.976	4.5	20.6
5 11	13 33.35	−10 37.0	2.031	2.977	8.2	20.8
5 21	13 27.87	−10 0.9	2.100	2.978	11.6	21.0

85395 1996 SQ_{4} 4 19.4 74°.40 2°.4/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.79	−13 25.2	1.753	2.563	15.6	19.2
3 22	14 9.35	−11 20.0	1.683	2.580	12.0	19.0
4 1	14 3.67	− 8 56.2	1.637	2.596	7.8	18.8
4 11	13 56.47	− 6 22.4	1.619	2.612	3.7	18.6
4 21	13 48.68	− 3 49.5	1.630	2.629	3.1	18.6
5 1	13 41.28	− 1 29.1	1.671	2.645	7.0	18.8
5 11	13 35.16	+ 0 29.8	1.739	2.661	11.0	19.1
5 21	13 30.90	+ 2 2.2	1.831	2.678	14.4	19.4

210926 2001 TM_{10} 4 19.4 133°.08 0°.6/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.46	−10 12.7	2.586	3.376	11.7	21.1
3 22	14 10.76	−10 2.4	2.502	3.385	9.1	20.9
4 1	14 4.36	− 9 45.4	2.443	3.394	6.1	20.8
4 11	13 56.76	− 9 24.0	2.411	3.403	2.8	20.6
4 21	13 48.62	− 9 0.9	2.408	3.412	1.0	20.4
5 1	13 40.65	− 8 39.4	2.435	3.420	4.2	20.7
5 11	13 33.54	− 8 22.6	2.490	3.428	7.4	20.9
5 21	13 27.82	− 8 12.9	2.571	3.435	10.2	21.1

406493 2007 VZ_{34} 4 19.4 110°.83 0°.1/19.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.12	−15 33.4	1.631	2.436	16.8	21.4
3 22	14 11.54	−14 51.0	1.554	2.443	13.2	21.2
4 1	14 5.38	−13 51.0	1.498	2.451	9.0	20.9
4 11	13 57.37	−12 37.3	1.466	2.459	4.2	20.7
4 21	13 48.50	−11 16.1	1.461	2.466	0.8	20.4
5 1	13 39.94	− 9 55.4	1.483	2.473	5.7	20.8
5 11	13 32.77	− 8 43.6	1.532	2.480	10.2	21.1
5 21	13 27.72	− 7 46.6	1.602	2.487	14.2	21.3

421781 2014 QG_{22} 4 19.4 331°.88 5°.0/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.02	−22 48.0	1.177	1.989	21.6	21.0
3 22	14 9.79	−23 10.4	1.092	1.977	17.9	20.7
4 1	14 5.09	−23 7.3	1.024	1.966	13.5	20.4
4 11	13 57.57	−22 36.4	0.975	1.955	8.7	20.1
4 21	13 48.42	−21 39.1	0.948	1.946	5.1	19.9
5 1	13 39.31	−20 22.3	0.944	1.937	7.2	19.9
5 11	13 31.92	−18 57.8	0.962	1.930	12.2	20.2
5 21	13 27.45	−17 38.1	1.000	1.923	17.2	20.4

286029 2001 SV_{166} 4 19.4 146°.98 0°.9/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 18.83	−12 8.5	1.743	2.545	16.0	21.8
3 22	14 14.22	−11 31.8	1.666	2.555	12.5	21.6
4 1	14 7.09	−10 42.1	1.610	2.564	8.4	21.4
4 11	13 58.14	− 9 43.2	1.579	2.572	3.8	21.1
4 21	13 48.36	− 8 40.7	1.576	2.580	1.4	20.9
5 1	13 38.89	− 7 41.4	1.601	2.587	5.9	21.3
5 11	13 30.77	− 6 51.7	1.652	2.593	10.2	21.5
5 21	13 24.74	− 6 16.2	1.727	2.598	14.0	21.8

37060 2000 UK_{45} 4 19.4 131°.90 0°.8/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.48	−10 31.9	2.821	3.612	10.8	20.2
3 22	14 8.31	−10 2.7	2.739	3.623	8.4	20.1
4 1	14 2.63	− 9 26.4	2.681	3.634	5.5	19.9
4 11	13 55.93	− 8 45.7	2.651	3.644	2.5	19.7
4 21	13 48.78	− 8 3.8	2.651	3.654	1.1	19.6
5 1	13 41.79	− 7 24.3	2.681	3.664	4.0	19.8
5 11	13 35.58	− 6 50.7	2.739	3.673	6.9	20.0
5 21	13 30.58	− 6 25.4	2.822	3.682	9.5	20.2

402202 2004 VC_{14} 4 19.4 134°.79 1°.3/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 21.33	− 9 26.7	1.846	2.646	15.3	21.8
3 22	14 15.95	− 9 8.1	1.771	2.660	11.9	21.6
4 1	14 8.14	− 8 40.7	1.719	2.673	8.0	21.4
4 11	13 58.59	− 8 7.8	1.693	2.686	3.7	21.1
4 21	13 48.28	− 7 33.7	1.695	2.698	1.7	21.0
5 1	13 38.30	− 7 3.6	1.725	2.709	5.8	21.3
5 11	13 29.66	− 6 41.9	1.782	2.719	9.8	21.6
5 21	13 23.06	− 6 31.6	1.863	2.729	13.4	21.8

308410 2005 SP_{95} 4 19.4 245°.57 0°.8/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.70	−14 43.4	2.538	3.318	12.2	20.9
3 22	14 10.41	−14 47.3	2.436	3.310	9.7	20.7
4 1	14 4.29	−14 42.1	2.358	3.303	6.7	20.5
4 11	13 56.80	−14 29.1	2.307	3.296	3.4	20.2
4 21	13 48.60	−14 10.2	2.284	3.288	0.9	20.0
5 1	13 40.45	−13 48.3	2.291	3.281	3.9	20.2
5 11	13 33.12	−13 27.2	2.326	3.273	7.3	20.4
5 21	13 27.19	−13 10.1	2.386	3.265	10.3	20.6

303291 2004 RQ_{345} 4 19.4 221°.82 1°.5/18.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.33	− 8 50.8	1.731	2.538	15.9	21.5
3 22	14 15.66	− 8 35.5	1.638	2.531	12.5	21.2
4 1	14 8.27	− 8 11.1	1.567	2.523	8.4	21.0
4 11	13 58.81	− 7 40.8	1.521	2.514	3.9	20.7
4 21	13 48.22	− 7 9.1	1.502	2.505	2.0	20.5
5 1	13 37.72	− 6 41.4	1.511	2.495	6.4	20.8
5 11	13 28.48	− 6 22.7	1.546	2.484	10.9	21.0
5 21	13 21.39	− 6 16.8	1.604	2.473	14.9	21.2

71626 2000 ER_{66} 4 19.4 172°.96 0°.8/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.32	−10 45.8	2.331	3.128	12.6	19.1
3 22	14 10.15	−10 23.3	2.242	3.129	9.8	18.9
4 1	14 4.09	− 9 52.2	2.177	3.130	6.6	18.7
4 11	13 56.69	− 9 15.5	2.139	3.131	3.0	18.4
4 21	13 48.64	− 8 36.5	2.129	3.132	1.2	18.3
5 1	13 40.74	− 7 59.7	2.148	3.133	4.7	18.5
5 11	13 33.75	− 7 29.1	2.194	3.133	8.2	18.8
5 21	13 28.27	− 7 7.8	2.266	3.133	11.2	19.0

437157 2012 VN_{36} 4 19.4 174°.02 3°.2/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.53	− 2 27.7	2.468	3.277	11.6	21.1
3 22	14 10.13	− 1 54.7	2.384	3.278	9.0	20.9
4 1	14 3.99	− 1 18.9	2.325	3.279	6.2	20.7
4 11	13 56.62	− 0 44.1	2.294	3.280	3.7	20.5
4 21	13 48.66	− 0 14.4	2.291	3.281	3.6	20.5
5 1	13 40.86	+ 0 6.7	2.316	3.281	6.0	20.7
5 11	13 33.94	+ 0 16.2	2.369	3.282	8.9	20.9
5 21	13 28.41	+ 0 13.0	2.446	3.282	11.6	21.0

386606 2009 HM_{11} 4 19.4 312°.81 3°.8/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.43	− 4 27.7	2.018	2.845	13.2	20.3
3 22	14 6.74	− 3 20.7	1.923	2.828	10.3	20.0
4 1	14 2.03	− 2 5.5	1.852	2.811	7.0	19.8
4 11	13 55.82	− 0 47.8	1.806	2.794	4.2	19.6
4 21	13 48.80	+ 0 25.7	1.788	2.778	4.5	19.6
5 1	13 41.85	+ 1 28.3	1.797	2.762	7.5	19.7
5 11	13 35.82	+ 2 14.5	1.831	2.746	11.0	19.9
5 21	13 31.36	+ 2 41.5	1.887	2.730	14.2	20.1

72152 2000 YY_{96} 4 19.4 100°.83 0°.5/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.46	−14 55.3	1.657	2.456	16.8	20.2
3 22	14 14.03	−14 37.5	1.587	2.472	13.3	20.0
4 1	14 6.99	−14 5.0	1.537	2.488	9.0	19.8
4 11	13 58.10	−13 20.6	1.512	2.504	4.3	19.6
4 21	13 48.41	−12 29.0	1.514	2.519	0.8	19.3
5 1	13 39.10	−11 36.4	1.543	2.533	5.4	19.7
5 11	13 31.25	−10 49.6	1.598	2.548	9.8	20.0
5 21	13 25.58	−10 13.6	1.677	2.562	13.6	20.2

371309 2006 GO_9 4 19.4 88°.27 0°.1/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 20.11	−11 1.2	1.979	2.773	14.6	20.3
3 22	14 14.88	−11 11.4	1.905	2.789	11.5	20.1
4 1	14 7.36	−11 13.6	1.853	2.804	7.7	19.9
4 11	13 58.23	−11 9.6	1.828	2.820	3.6	19.7
4 21	13 48.39	−11 1.9	1.831	2.835	0.7	19.5
5 1	13 38.83	−10 53.9	1.862	2.851	4.9	19.8
5 11	13 30.52	−10 49.3	1.921	2.866	8.8	20.1
5 21	13 24.10	−10 50.9	2.005	2.880	12.1	20.3

83259 2001 RN_{71} 4 19.4 222°.23 0°.5/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.73	−13 8.2	2.496	3.288	12.0	19.6
3 22	14 8.08	−12 26.2	2.399	3.283	9.4	19.4
4 1	14 2.69	−11 33.3	2.324	3.276	6.3	19.2
4 11	13 56.05	−10 32.3	2.277	3.270	2.9	19.0
4 21	13 48.78	− 9 27.4	2.259	3.263	0.9	18.8
5 1	13 41.63	− 8 23.4	2.271	3.256	4.4	19.0
5 11	13 35.29	− 7 25.6	2.310	3.249	7.8	19.2
5 21	13 30.31	− 6 37.8	2.375	3.242	10.8	19.4

94737 2001 XH_{74} 4 19.4 243°.39 3°.1/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.90	− 7 31.8	1.753	2.569	15.4	20.2
3 22	14 12.98	− 6 33.4	1.655	2.553	12.0	20.0
4 1	14 6.49	− 5 22.9	1.578	2.536	8.1	19.7
4 11	13 58.00	− 4 5.8	1.527	2.519	4.2	19.4
4 21	13 48.40	− 2 49.1	1.504	2.501	3.7	19.3
5 1	13 38.82	− 1 40.8	1.508	2.482	7.6	19.5
5 11	13 30.40	− 0 48.1	1.537	2.463	11.9	19.7
5 21	13 23.99	− 0 15.1	1.589	2.443	15.9	19.9

242485 2004 TB_{342} 4 19.4 227°.56 1°.4/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.23	− 9 7.2	1.764	2.570	15.7	20.8
3 22	14 15.57	− 8 52.4	1.669	2.560	12.4	20.6
4 1	14 8.22	− 8 28.2	1.595	2.550	8.3	20.3
4 11	13 58.81	− 7 57.9	1.546	2.539	3.9	20.0
4 21	13 48.26	− 7 25.8	1.525	2.528	1.9	19.9
5 1	13 37.76	− 6 57.1	1.532	2.516	6.3	20.1
5 11	13 28.49	− 6 37.2	1.565	2.504	10.8	20.3
5 21	13 21.33	− 6 29.5	1.621	2.491	14.8	20.6

363002 2013 CM_{182} 4 19.4 65°.29 7°.2/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.82	−35 28.0	2.530	3.205	14.7	20.7
3 22	14 11.71	−36 13.1	2.433	3.206	12.9	20.5
4 1	14 5.39	−36 39.6	2.356	3.208	10.9	20.4
4 11	13 57.40	−36 45.0	2.300	3.209	8.9	20.2
4 21	13 48.53	−36 28.1	2.270	3.210	7.5	20.2
5 1	13 39.73	−35 50.5	2.265	3.212	7.3	20.1
5 11	13 31.95	−34 56.8	2.286	3.213	8.5	20.2
5 21	13 25.89	−33 53.1	2.333	3.214	10.4	20.3

59259 1999 CP_{29} 4 19.4 61°.95 2°.4/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.42	−18 15.3	1.379	2.183	19.3	18.9
3 22	14 13.94	−18 22.0	1.306	2.191	15.6	18.6
4 1	14 7.35	−18 9.8	1.252	2.199	11.0	18.4
4 11	13 58.42	−17 39.4	1.220	2.207	6.1	18.1
4 21	13 48.35	−16 54.3	1.212	2.215	2.4	17.9
5 1	13 38.61	−16 1.2	1.230	2.223	6.0	18.2
5 11	13 30.56	−15 8.7	1.272	2.231	10.8	18.4
5 21	13 25.08	−14 24.5	1.337	2.240	15.2	18.7

381465 2008 RS_{115} 4 19.4 240°.28 1°.7/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.89	−17 9.6	2.153	2.930	14.2	21.6
3 22	14 12.56	−17 15.7	2.049	2.919	11.4	21.4
4 1	14 5.99	−17 9.7	1.968	2.909	8.1	21.2
4 11	13 57.70	−16 52.0	1.912	2.898	4.4	20.9
4 21	13 48.47	−16 24.7	1.884	2.887	1.7	20.7
5 1	13 39.26	−15 51.4	1.885	2.875	4.6	20.9
5 11	13 31.04	−15 17.0	1.913	2.863	8.4	21.1
5 21	13 24.54	−14 46.4	1.965	2.851	11.9	21.3

224480 2005 VH_{86} 4 19.4 188°.03 2°.5/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.22	− 6 57.2	2.064	2.874	13.6	20.9
3 22	14 11.09	− 6 14.6	1.979	2.874	10.5	20.7
4 1	14 4.86	− 5 24.2	1.916	2.873	7.0	20.5
4 11	13 57.11	− 4 30.5	1.881	2.872	3.6	20.3
4 21	13 48.63	− 3 38.6	1.873	2.871	2.9	20.3
5 1	13 40.32	− 2 53.9	1.893	2.869	6.2	20.5
5 11	13 33.04	− 2 21.2	1.940	2.867	9.8	20.7
5 21	13 27.45	− 2 3.0	2.011	2.864	13.0	20.9

480300 2015 HJ_{166} 4 19.4 332°.62 1°.6/18.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.87	− 9 58.4	1.863	2.682	14.5	21.0
3 22	14 8.03	− 9 21.1	1.774	2.674	11.3	20.8
4 1	14 2.98	− 8 32.8	1.707	2.666	7.5	20.5
4 11	13 56.30	− 7 37.5	1.665	2.659	3.5	20.3
4 21	13 48.78	− 6 40.6	1.650	2.652	2.1	20.1
5 1	13 41.38	− 5 48.3	1.662	2.646	6.0	20.4
5 11	13 35.05	− 5 6.3	1.700	2.640	10.0	20.6
5 21	13 30.46	− 4 38.7	1.760	2.634	13.6	20.8

229807 2008 ST_{145} 4 19.4 260°.09 2°.0/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 13.55	− 8 48.3	2.011	2.822	13.8	20.9
3 22	14 9.98	− 8 5.4	1.914	2.810	10.8	20.6
4 1	14 4.24	− 7 12.5	1.841	2.798	7.2	20.4
4 11	13 56.89	− 6 13.6	1.793	2.786	3.5	20.1
4 21	13 48.67	− 5 14.0	1.773	2.773	2.5	20.0
5 1	13 40.53	− 4 19.8	1.781	2.761	6.1	20.2
5 11	13 33.38	− 3 36.4	1.815	2.748	10.0	20.4
5 21	13 27.93	− 3 7.7	1.873	2.735	13.5	20.6

53186 1999 CB_{45} 4 19.4 67°.84 5°.9/13.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.87	+ 3 22.2	2.075	2.900	13.0	18.5
3 22	14 9.15	+ 4 28.1	2.007	2.905	10.2	18.3
4 1	14 3.47	+ 5 33.9	1.963	2.910	7.6	18.1
4 11	13 56.42	+ 6 33.0	1.944	2.915	6.0	18.0
4 21	13 48.77	+ 7 19.3	1.953	2.920	6.5	18.1
5 1	13 41.37	+ 7 48.3	1.988	2.926	8.8	18.2
5 11	13 34.99	+ 7 57.4	2.048	2.931	11.5	18.4
5 21	13 30.20	+ 7 46.8	2.129	2.936	14.0	18.6

306929 2001 UG_{79} 4 19.5 216°.12 0°.2/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.52	−14 49.6	2.181	2.970	13.6	21.9
3 22	14 10.56	−14 4.7	2.081	2.963	10.8	21.7
4 1	14 4.54	−13 5.6	2.005	2.955	7.3	21.5
4 11	13 56.99	−11 55.4	1.955	2.946	3.4	21.2
4 21	13 48.66	−10 38.6	1.933	2.937	0.7	21.0
5 1	13 40.45	− 9 21.5	1.941	2.928	4.8	21.3
5 11	13 33.20	− 8 10.5	1.976	2.918	8.7	21.5
5 21	13 27.58	− 7 11.0	2.036	2.907	12.2	21.7

110765 2001 UK_{23} 4 19.5 247°.48 5°.2/23.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.93	−26 30.5	1.877	2.627	16.9	19.6
3 22	14 12.31	−26 49.3	1.780	2.622	14.2	19.3
4 1	14 6.07	−26 48.0	1.703	2.617	11.0	19.1
4 11	13 57.82	−26 24.9	1.648	2.611	7.7	18.9
4 21	13 48.50	−25 40.6	1.619	2.606	5.3	18.8
5 1	13 39.25	−24 39.2	1.617	2.601	6.1	18.8
5 11	13 31.25	−23 27.9	1.641	2.595	9.2	19.0
5 21	13 25.33	−22 15.0	1.688	2.589	12.7	19.2

323061 2002 SU_{38} 4 19.5 221°.23 1°.7/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.51	− 9 24.8	2.061	2.864	13.8	22.1
3 22	14 12.22	− 8 45.9	1.964	2.855	10.8	21.9
4 1	14 5.72	− 7 56.9	1.890	2.845	7.2	21.7
4 11	13 57.57	− 7 1.5	1.842	2.835	3.4	21.4
4 21	13 48.55	− 6 4.8	1.822	2.824	2.1	21.3
5 1	13 39.62	− 5 12.4	1.832	2.812	5.8	21.5
5 11	13 31.70	− 4 29.7	1.868	2.800	9.7	21.7
5 21	13 25.51	− 4 0.6	1.928	2.787	13.2	21.9

306265 2011 RX_{11} 4 19.5 263°.05 1°.6/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.17	− 9 53.5	2.379	3.184	12.2	21.3
3 22	14 7.78	− 9 0.5	2.277	3.170	9.5	21.1
4 1	14 2.58	− 7 57.4	2.199	3.156	6.3	20.9
4 11	13 56.06	− 6 47.9	2.148	3.141	3.0	20.7
4 21	13 48.84	− 5 36.9	2.126	3.127	2.1	20.6
5 1	13 41.68	− 4 30.0	2.133	3.112	5.3	20.7
5 11	13 35.34	− 3 32.4	2.167	3.097	8.7	20.9
5 21	13 30.39	− 2 47.9	2.226	3.082	11.8	21.1

516163 2016 NP_{48} 4 19.5 198°.54 5°.0/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.69	−32 13.0	3.243	3.921	11.7	22.4
3 22	14 11.01	−32 36.5	3.134	3.917	10.1	22.3
4 1	14 4.62	−32 45.6	3.045	3.913	8.2	22.2
4 11	13 56.97	−32 38.9	2.982	3.908	6.4	22.0
4 21	13 48.67	−32 16.5	2.945	3.903	5.2	21.9
5 1	13 40.41	−31 39.9	2.937	3.897	5.2	21.9
5 11	13 32.89	−30 52.6	2.958	3.891	6.5	22.0
5 21	13 26.65	−29 59.2	3.004	3.884	8.4	22.1

155792 2000 TL_{26} 4 19.5 245°.28 0°.1/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.96	−12 39.0	2.020	2.815	14.4	20.9
3 22	14 12.70	−12 33.9	1.920	2.805	11.4	20.7
4 1	14 6.13	−12 18.6	1.844	2.795	7.8	20.4
4 11	13 57.80	−11 54.9	1.792	2.784	3.7	20.1
4 21	13 48.52	−11 25.9	1.769	2.773	0.7	19.9
5 1	13 39.27	−10 55.8	1.773	2.762	5.0	20.2
5 11	13 31.07	−10 29.5	1.805	2.751	9.1	20.4
5 21	13 24.65	−10 11.2	1.861	2.739	12.8	20.6

298981 2004 WW_{10} 4 19.5 92°.84 1°.6/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.31	−15 18.4	1.502	2.303	18.2	20.8
3 22	14 15.96	−15 34.3	1.425	2.311	14.5	20.6
4 1	14 8.61	−15 36.1	1.369	2.318	10.1	20.4
4 11	13 59.01	−15 24.8	1.336	2.326	5.2	20.1
4 21	13 48.30	−15 3.0	1.329	2.333	1.6	19.9
5 1	13 37.88	−14 35.7	1.348	2.340	5.8	20.2
5 11	13 29.04	−14 9.3	1.393	2.347	10.5	20.4
5 21	13 22.67	−13 49.5	1.460	2.354	14.7	20.7

54888 2001 OS_{63} 4 19.5 172°.64 4°.7/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 13.50	+ 2 12.3	2.477	3.291	11.4	19.6
3 22	14 9.33	+ 3 8.2	2.400	3.293	9.0	19.4
4 1	14 3.46	+ 4 4.7	2.347	3.295	6.5	19.2
4 11	13 56.40	+ 4 56.6	2.322	3.296	4.9	19.1
4 21	13 48.80	+ 5 39.1	2.325	3.297	5.3	19.2
5 1	13 41.37	+ 6 8.2	2.356	3.298	7.4	19.3
5 11	13 34.80	+ 6 21.4	2.413	3.298	9.9	19.4
5 21	13 29.60	+ 6 18.2	2.493	3.299	12.3	19.6

319828 2006 VU_{117} 4 19.5 312°.59 1°.2/18.7 17

3 12	14 15.31	− 9 28.8	1.432	2.260	17.6	20.4
3 22	14 12.44	− 9 25.5	1.337	2.241	13.9	20.1
4 1	14 6.55	− 9 11.9	1.262	2.222	9.5	19.8
4 11	13 58.21	− 8 51.1	1.210	2.204	4.4	19.4
4 21	13 48.43	− 8 27.3	1.182	2.186	1.8	19.2
5 1	13 38.57	− 8 6.5	1.180	2.168	7.0	19.5
5 11	13 30.06	− 7 54.7	1.201	2.151	12.2	19.7
5 21	13 23.95	− 7 56.3	1.243	2.135	16.9	19.9

212519 2006 RE_{40} 4 19.5 169°.45 3°.3/15.4 18

3 12	14 11.49	− 3 14.3	2.624	3.435	11.0	20.7
3 22	14 7.69	− 2 11.2	2.542	3.438	8.5	20.5
4 1	14 2.33	− 1 3.5	2.485	3.440	5.8	20.3
4 11	13 55.87	+ 0 4.0	2.457	3.442	3.6	20.2
4 21	13 48.90	+ 1 6.5	2.457	3.444	3.8	20.2
5 1	13 42.09	+ 1 59.3	2.487	3.445	6.1	20.3
5 11	13 36.06	+ 2 39.0	2.543	3.446	8.8	20.5
5 21	13 31.29	+ 3 3.8	2.623	3.447	11.2	20.7

81715 2000 JA_{28} 4 19.5 292°.05 3°.8/22.8 18

3 12	14 12.43	−24 27.3	1.713	2.486	17.4	18.8
3 22	14 9.79	−24 12.7	1.611	2.472	14.4	18.5
4 1	14 4.49	−23 34.4	1.528	2.458	10.8	18.3
4 11	13 57.14	−22 32.0	1.468	2.444	6.9	18.0
4 21	13 48.64	−21 8.2	1.434	2.431	3.9	17.8
5 1	13 40.21	−19 29.6	1.426	2.417	5.6	17.8
5 11	13 33.02	−17 46.1	1.443	2.403	9.7	18.0
5 21	13 27.95	−16 7.8	1.485	2.390	13.8	18.2

64872 2001 YX_{60} 4 19.5 274°.66 0°.6/19.0 18

3 12	14 16.61	−12 0.1	1.467	2.285	17.7	19.7
3 22	14 13.21	−11 42.1	1.382	2.280	14.0	19.4
4 1	14 6.87	−11 10.2	1.317	2.275	9.5	19.1
4 11	13 58.26	−10 27.4	1.276	2.269	4.4	18.8
4 21	13 48.45	− 9 39.1	1.260	2.264	1.3	18.6
5 1	13 38.78	− 8 52.3	1.270	2.259	6.5	18.9
5 11	13 30.57	− 8 14.2	1.304	2.253	11.5	19.1
5 21	13 24.74	− 7 50.1	1.360	2.248	16.0	19.4

290292 2005 SZ_{168} 4 19.5 190°.32 0°.4/19.8 17

3 12	14 15.19	−15 45.3	2.192	2.976	13.7	22.3
3 22	14 11.04	−15 10.7	2.098	2.975	10.8	22.1
4 1	14 4.83	−14 22.4	2.026	2.974	7.4	21.8
4 11	13 57.12	−13 22.9	1.981	2.972	3.6	21.6
4 21	13 48.68	−12 16.3	1.964	2.969	0.6	21.3
5 1	13 40.39	−11 8.2	1.977	2.966	4.6	21.6
5 11	13 33.11	−10 4.7	2.017	2.962	8.4	21.9
5 21	13 27.46	− 9 10.8	2.082	2.958	11.7	22.1

139527 2001 QM_{5} 4 19.5 308°.29 4°.2/22.8 17

3 12	14 15.19	−23 2.1	2.011	2.773	15.5	20.0
3 22	14 11.57	−23 32.5	1.910	2.763	12.9	19.8
4 1	14 5.51	−23 47.6	1.829	2.752	9.8	19.5
4 11	13 57.58	−23 46.2	1.772	2.742	6.5	19.3
4 21	13 48.59	−23 28.4	1.741	2.733	4.3	19.2
5 1	13 39.59	−22 57.3	1.737	2.723	5.5	19.2
5 11	13 31.66	−22 18.0	1.760	2.714	8.7	19.4
5 21	13 25.60	−21 36.8	1.807	2.705	12.1	19.6

346401 2008 SC_{137} 4 19.5 163°.15 2°.2/17.3 17

3 12	14 13.96	− 7 37.0	2.153	2.962	13.1	21.8
3 22	14 10.01	− 6 52.7	2.070	2.965	10.1	21.6
4 1	14 4.09	− 6 0.4	2.010	2.967	6.8	21.4
4 11	13 56.76	− 5 4.5	1.977	2.969	3.4	21.2
4 21	13 48.77	− 4 9.9	1.972	2.971	2.7	21.1
5 1	13 40.97	− 3 22.1	1.996	2.973	5.8	21.3
5 11	13 34.15	− 2 45.4	2.047	2.974	9.3	21.5
5 21	13 28.93	− 2 22.6	2.121	2.975	12.4	21.7

305464 2008 DB_{26} 4 19.5 294°.99 4°.5/23.9 17

3 12	14 13.74	−26 36.8	2.423	3.158	13.9	21.0
3 22	14 9.95	−26 55.6	2.325	3.156	11.7	20.8
4 1	14 4.14	−26 58.5	2.247	3.153	9.1	20.7
4 11	13 56.84	−26 44.6	2.193	3.151	6.4	20.5
4 21	13 48.75	−26 14.6	2.166	3.149	4.6	20.4
5 1	13 40.75	−25 31.3	2.167	3.147	5.1	20.4
5 11	13 33.67	−24 39.7	2.195	3.145	7.5	20.5
5 21	13 28.18	−23 45.5	2.249	3.143	10.2	20.7

414835 2010 UW_{78} 4 19.5 40°.87 5°.1/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 14.13	−25 19.6	1.381	2.165	20.3	20.5
3 22	14 11.39	−25 29.1	1.316	2.181	16.8	20.3
4 1	14 5.60	−25 12.8	1.269	2.198	12.6	20.1
4 11	13 57.60	−24 30.2	1.243	2.216	8.3	19.9
4 21	13 48.63	−23 24.7	1.241	2.234	5.2	19.7
5 1	13 40.11	−22 3.8	1.263	2.253	6.4	19.9
5 11	13 33.32	−20 38.2	1.310	2.272	10.2	20.1
5 21	13 29.05	−19 18.0	1.379	2.292	14.1	20.4

410253 2007 TA_{109} 4 19.5 206°.30 3°.6/21.9 16

3 12	14 21.04	−20 39.0	1.796	2.565	16.9	21.9
3 22	14 16.37	−21 7.1	1.701	2.561	13.8	21.7
4 1	14 8.88	−21 19.9	1.626	2.557	10.2	21.4
4 11	13 59.20	−21 16.0	1.575	2.553	6.3	21.2
4 21	13 48.31	−20 56.2	1.551	2.548	3.6	21.0
5 1	13 37.47	−20 23.9	1.554	2.543	5.6	21.1
5 11	13 27.93	−19 45.2	1.584	2.537	9.6	21.4
5 21	13 20.62	−19 6.9	1.638	2.530	13.4	21.6

333426 2003 OQ_{30} 4 19.5 196°.90 1°.8/21.2 17

3 12	14 15.71	−18 45.2	2.458	3.223	12.9	21.6
3 22	14 11.30	−18 39.8	2.358	3.221	10.4	21.4
4 1	14 4.95	−18 21.9	2.281	3.218	7.4	21.2
4 11	13 57.19	−17 52.3	2.231	3.214	4.1	21.0
4 21	13 48.70	−17 13.2	2.208	3.210	1.8	20.8
5 1	13 40.31	−16 28.4	2.215	3.205	4.0	20.9
5 11	13 32.81	−15 42.6	2.251	3.200	7.3	21.1
5 21	13 26.82	−15 0.5	2.312	3.195	10.4	21.3

499255 2009 VZ_{4} 4 19.5 176°.18 0°.6/20.1 17

3 12	14 16.37	−15 28.7	2.416	3.192	12.8	23.6
3 22	14 11.73	−15 9.2	2.322	3.195	10.1	23.4
4 1	14 5.19	−14 38.3	2.252	3.197	7.0	23.2
4 11	13 57.28	−13 57.9	2.209	3.198	3.4	23.0
4 21	13 48.69	−13 11.2	2.195	3.199	0.7	22.8
5 1	13 40.25	−12 22.3	2.210	3.199	4.1	23.0
5 11	13 32.74	−11 36.2	2.254	3.199	7.6	23.2
5 21	13 26.76	−10 56.9	2.323	3.198	10.7	23.4

380925 2006 GO_{43} 4 19.5 340°.42 0°.6/19.0 17

3 12	14 15.08	−10 53.0	1.813	2.623	15.2	21.0
3 22	14 11.40	−10 46.4	1.726	2.620	11.9	20.8
4 1	14 5.31	−10 30.2	1.661	2.617	8.0	20.6
4 11	13 57.44	−10 6.9	1.621	2.614	3.7	20.3
4 21	13 48.65	− 9 40.3	1.607	2.612	1.1	20.1
5 1	13 40.00	− 9 15.1	1.621	2.610	5.5	20.4
5 11	13 32.52	− 8 56.0	1.661	2.608	9.7	20.6
5 21	13 26.94	− 8 46.8	1.724	2.606	13.4	20.8

170204 2003 OR_{26} 4 19.5 266°.21 0°.9/18.8 17

3 12	14 15.92	−12 10.3	1.640	2.452	16.4	21.3
3 22	14 12.51	−11 39.1	1.540	2.435	13.0	21.0
4 1	14 6.37	−10 53.2	1.461	2.418	8.8	20.7
4 11	13 58.07	− 9 55.6	1.406	2.400	4.1	20.4
4 21	13 48.53	− 8 51.9	1.378	2.382	1.5	20.2
5 1	13 38.97	− 7 49.3	1.376	2.363	6.4	20.5
5 11	13 30.62	− 6 55.7	1.399	2.344	11.3	20.7
5 21	13 24.42	− 6 16.8	1.445	2.325	15.7	20.9

284566 2007 TJ_{50} 4 19.5 281°.39 0°.7/20.1 17

3 12	14 13.85	−15 0.1	2.084	2.877	14.1	21.3
3 22	14 10.20	−14 50.9	1.987	2.869	11.2	21.1
4 1	14 4.41	−14 29.8	1.912	2.861	7.7	20.8
4 11	13 57.00	−13 58.3	1.863	2.853	3.8	20.6
4 21	13 48.74	−13 19.7	1.840	2.845	0.8	20.3
5 1	13 40.55	−12 38.3	1.846	2.837	4.6	20.6
5 11	13 33.36	−11 59.4	1.879	2.829	8.5	20.8
5 21	13 27.84	−11 27.7	1.936	2.821	12.1	21.0

130000 1999 VX_{33} 4 19.5 41°.29 2°.4/17.9 18

3 12	14 17.54	− 5 35.4	1.704	2.523	15.6	19.2
3 22	14 13.24	− 5 28.2	1.633	2.533	12.1	19.0
4 1	14 6.47	− 5 15.9	1.585	2.543	8.1	18.8
4 11	13 57.93	− 5 2.4	1.561	2.553	4.0	18.6
4 21	13 48.59	− 4 51.8	1.564	2.564	2.8	18.5
5 1	13 39.57	− 4 48.0	1.594	2.575	6.5	18.8
5 11	13 31.88	− 4 54.5	1.649	2.586	10.5	19.0
5 21	13 26.23	− 5 12.7	1.728	2.598	14.0	19.3

379763 2011 HW_{9} 4 19.5 220°.54 3°.9/16.1 17

3 12	14 14.99	− 2 29.1	2.028	2.847	13.5	20.8
3 22	14 10.96	− 1 46.2	1.945	2.844	10.5	20.6
4 1	14 4.82	− 0 59.2	1.885	2.841	7.2	20.4
4 11	13 57.15	− 0 13.1	1.852	2.838	4.4	20.2
4 21	13 48.73	+ 0 26.7	1.846	2.835	4.4	20.2
5 1	13 40.48	+ 0 55.2	1.867	2.832	7.2	20.3
5 11	13 33.27	+ 1 8.8	1.914	2.829	10.6	20.5
5 21	13 27.75	+ 1 6.2	1.984	2.826	13.6	20.7

90820 McCann 4 19.5 210°.80 4°.8/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 17.27	−26 29.9	2.237	2.971	14.9	20.7
3 22	14 12.93	−26 52.4	2.135	2.966	12.5	20.6
4 1	14 6.29	−26 58.0	2.055	2.962	9.7	20.4
4 11	13 57.91	−26 45.3	1.998	2.957	6.9	20.2
4 21	13 48.58	−26 14.7	1.967	2.951	4.9	20.0
5 1	13 39.31	−25 28.9	1.965	2.945	5.5	20.1
5 11	13 31.07	−24 33.7	1.990	2.939	8.2	20.2
5 21	13 24.64	−23 35.5	2.040	2.932	11.2	20.4

371661 2007 CZ_{34} 4 19.5 86°.41 4°.8/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.99	−24 18.4	1.812	2.568	17.2	21.5
3 22	14 15.30	−24 50.6	1.738	2.585	14.2	21.4
4 1	14 7.94	−25 4.3	1.683	2.602	10.8	21.2
4 11	13 58.65	−24 58.4	1.652	2.619	7.2	21.0
4 21	13 48.46	−24 33.8	1.647	2.636	4.9	20.9
5 1	13 38.58	−23 54.2	1.669	2.653	5.9	21.0
5 11	13 30.13	−23 6.6	1.717	2.669	9.0	21.2
5 21	13 23.89	−22 18.0	1.789	2.685	12.3	21.4

281035 2006 HM_{21} 4 19.5 279°.04 2°.0/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.46	− 9 16.1	2.087	2.898	13.4	21.2
3 22	14 9.15	− 8 25.8	1.981	2.876	10.5	20.9
4 1	14 3.74	− 7 24.2	1.897	2.855	7.0	20.7
4 11	13 56.71	− 6 15.4	1.840	2.832	3.4	20.4
4 21	13 48.80	− 5 4.8	1.810	2.810	2.5	20.3
5 1	13 40.87	− 3 58.9	1.809	2.788	6.1	20.5
5 11	13 33.85	− 3 3.8	1.834	2.765	10.0	20.7
5 21	13 28.42	− 2 23.7	1.883	2.742	13.5	20.8

234076 1999 SB_{3} 4 19.5 157°.67 8°.5/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 28.31	−42 54.3	3.056	3.638	13.9	20.3
3 22	14 21.43	−44 9.4	2.959	3.648	12.6	20.2
4 1	14 12.02	−45 7.0	2.882	3.656	11.2	20.1
4 11	14 0.62	−45 42.6	2.827	3.664	9.8	20.0
4 21	13 48.09	−45 53.5	2.796	3.672	8.8	20.0
5 1	13 35.52	−45 39.5	2.792	3.678	8.6	19.9
5 11	13 24.01	−45 4.0	2.813	3.684	9.1	20.0
5 21	13 14.42	−44 12.7	2.860	3.689	10.3	20.1

331162 2010 XB_{58} 4 19.5 25°.27 3°.3/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.78	− 5 16.4	1.378	2.214	17.6	19.6
3 22	14 12.43	− 4 55.3	1.312	2.221	13.7	19.4
4 1	14 6.21	− 4 27.7	1.266	2.229	9.2	19.2
4 11	13 57.89	− 3 58.8	1.244	2.237	4.8	18.9
4 21	13 48.61	− 3 34.7	1.247	2.246	3.8	18.9
5 1	13 39.69	− 3 21.1	1.274	2.255	7.8	19.1
5 11	13 32.36	− 3 22.2	1.326	2.265	12.3	19.4
5 21	13 27.39	− 3 39.5	1.398	2.276	16.2	19.7

120452 1988 NA 4 19.5 338°.68 14°.8/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 56.55	+ 8 34.4	1.101	1.987	17.5	17.9
3 22	13 58.23	+13 29.4	1.029	1.950	15.4	17.7
4 1	13 57.19	+18 40.6	0.982	1.916	15.0	17.5
4 11	13 53.91	+23 38.9	0.962	1.883	16.9	17.5
4 21	13 49.29	+27 55.7	0.965	1.852	20.3	17.6
5 1	13 44.65	+31 10.7	0.986	1.824	24.1	17.7
5 11	13 41.36	+33 16.3	1.022	1.798	27.6	17.9
5 21	13 40.46	+34 15.8	1.067	1.775	30.5	18.0

497334 2005 UK_{11} 4 19.5 225°.85 1°.8/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.21	−18 30.1	2.275	3.043	13.8	22.9
3 22	14 12.72	−18 25.3	2.168	3.032	11.1	22.7
4 1	14 6.08	−18 7.2	2.083	3.020	7.9	22.5
4 11	13 57.80	−17 36.3	2.023	3.007	4.4	22.2
4 21	13 48.61	−16 54.8	1.992	2.994	1.8	22.0
5 1	13 39.45	−16 6.7	1.990	2.980	4.4	22.2
5 11	13 31.23	−15 17.5	2.016	2.966	8.1	22.3
5 21	13 24.65	−14 32.3	2.068	2.951	11.5	22.5

330877 2009 RF_{22} 4 19.5 210°.85 2°.0/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.52	−19 28.4	2.125	2.895	14.5	21.9
3 22	14 12.30	−19 19.0	2.025	2.889	11.8	21.7
4 1	14 5.83	−18 54.4	1.946	2.883	8.4	21.4
4 11	13 57.68	−18 15.4	1.893	2.877	4.7	21.2
4 21	13 48.65	−17 24.5	1.868	2.870	2.0	21.0
5 1	13 39.70	−16 26.5	1.872	2.862	4.6	21.1
5 11	13 31.80	−15 27.6	1.902	2.854	8.3	21.4
5 21	13 25.65	−14 33.5	1.958	2.846	11.8	21.5

350626 2001 ST_{243} 4 19.5 207°.19 1°.2/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.05	−15 50.1	2.581	3.353	12.2	21.5
3 22	14 11.46	−15 55.5	2.480	3.349	9.7	21.3
4 1	14 5.03	−15 51.4	2.404	3.345	6.8	21.1
4 11	13 57.24	−15 38.7	2.353	3.340	3.6	20.9
4 21	13 48.75	−15 19.3	2.332	3.335	1.2	20.7
5 1	13 40.32	−14 56.0	2.340	3.330	3.9	20.9
5 11	13 32.71	−14 32.5	2.377	3.325	7.1	21.1
5 21	13 26.52	−14 12.4	2.440	3.319	10.1	21.3

501044 2013 RG_{83} 4 19.5 177°.73 4°.7/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 19.72	−26 20.7	2.376	3.101	14.4	21.9
3 22	14 14.66	−26 50.1	2.278	3.103	12.1	21.8
4 1	14 7.37	−27 4.0	2.201	3.104	9.4	21.6
4 11	13 58.40	−27 0.8	2.149	3.105	6.6	21.4
4 21	13 48.54	−26 40.7	2.124	3.106	4.8	21.3
5 1	13 38.76	−26 6.1	2.127	3.105	5.4	21.3
5 11	13 30.01	−25 21.9	2.159	3.104	7.9	21.5
5 21	13 23.01	−24 33.9	2.216	3.103	10.7	21.7

504778 2009 XO_{24} 4 19.5 105°.30 6°.4/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.79	−33 43.1	2.222	2.915	16.1	21.4
3 22	14 13.24	−33 53.6	2.141	2.934	13.8	21.3
4 1	14 6.37	−33 41.8	2.079	2.953	11.2	21.1
4 11	13 57.87	−33 6.1	2.040	2.971	8.6	21.0
4 21	13 48.66	−32 7.3	2.026	2.989	6.7	20.9
5 1	13 39.77	−30 49.5	2.039	3.006	6.6	20.9
5 11	13 32.17	−29 20.0	2.080	3.023	8.3	21.1
5 21	13 26.51	−27 46.8	2.146	3.039	10.7	21.2

310459 2000 QS_{216} 4 19.5 202°.73 1°.8/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.41	− 9 9.3	2.037	2.838	14.1	22.0
3 22	14 13.71	− 8 29.7	1.944	2.833	11.0	21.8
4 1	14 6.75	− 7 40.2	1.873	2.827	7.4	21.6
4 11	13 58.11	− 6 44.7	1.828	2.821	3.5	21.3
4 21	13 48.60	− 5 48.2	1.812	2.813	2.2	21.2
5 1	13 39.21	− 4 56.5	1.825	2.805	5.9	21.4
5 11	13 30.89	− 4 15.0	1.865	2.796	9.9	21.6
5 21	13 24.36	− 3 47.3	1.929	2.786	13.3	21.8

500161 2012 EW_{16} 4 19.5 248°.62 4°.1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.86	− 2 9.8	2.073	2.885	13.5	21.3
3 22	14 13.35	− 1 24.4	1.971	2.866	10.6	21.0
4 1	14 6.58	− 0 34.1	1.892	2.846	7.4	20.8
4 11	13 58.08	+ 0 16.1	1.840	2.825	4.6	20.6
4 21	13 48.60	+ 1 0.5	1.815	2.804	4.6	20.5
5 1	13 39.12	+ 1 33.6	1.819	2.782	7.6	20.7
5 11	13 30.60	+ 1 51.2	1.849	2.759	11.1	20.8
5 21	13 23.80	+ 1 51.4	1.902	2.736	14.5	21.0

247777 2003 QR_{110} 4 19.5 212°.06 0°.1/19.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.74	−13 8.7	2.067	2.854	14.4	21.7
3 22	14 14.84	−12 57.1	1.967	2.846	11.4	21.4
4 1	14 7.58	−12 34.4	1.889	2.838	7.8	21.2
4 11	13 58.54	−12 2.6	1.838	2.829	3.7	20.9
4 21	13 48.54	−11 24.9	1.814	2.819	0.6	20.7
5 1	13 38.59	−10 45.9	1.820	2.808	5.0	21.0
5 11	13 29.70	−10 10.9	1.853	2.797	9.1	21.2
5 21	13 22.64	− 9 44.3	1.911	2.784	12.8	21.4

97266 1999 XS_{126} 4 19.5 98°.90 3°.1/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.79	− 3 2.1	2.044	2.854	13.7	19.5
3 22	14 13.76	− 2 46.0	1.972	2.865	10.6	19.3
4 1	14 6.61	− 2 27.0	1.922	2.877	7.2	19.1
4 11	13 57.96	− 2 9.3	1.899	2.888	4.0	19.0
4 21	13 48.66	− 1 56.5	1.904	2.899	3.5	18.9
5 1	13 39.65	− 1 52.4	1.938	2.910	6.4	19.1
5 11	13 31.78	− 1 59.4	1.998	2.921	9.7	19.4
5 21	13 25.68	− 2 18.4	2.082	2.931	12.8	19.6

46853 1998 QC_{42} 4 19.5 307°.17 1°.9/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.79	−15 6.3	1.455	2.266	18.2	18.4
3 22	14 13.80	−15 33.0	1.353	2.244	14.7	18.1
4 1	14 7.66	−15 47.0	1.271	2.222	10.5	17.8
4 11	13 58.88	−15 48.3	1.210	2.200	5.6	17.5
4 21	13 48.45	−15 38.2	1.175	2.178	1.9	17.2
5 1	13 37.79	−15 20.6	1.165	2.157	6.2	17.4
5 11	13 28.43	−15 1.6	1.178	2.137	11.5	17.6
5 21	13 21.56	−14 47.7	1.213	2.117	16.4	17.8

467390 2004 XP_{131} 4 19.5 220°.56 2°.4/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.75	− 4 22.4	2.678	3.473	11.2	22.2
3 22	14 12.65	− 3 56.0	2.575	3.461	8.7	22.0
4 1	14 5.78	− 3 25.5	2.497	3.449	5.9	21.8
4 11	13 57.60	− 2 54.2	2.446	3.435	3.2	21.6
4 21	13 48.73	− 2 25.6	2.426	3.421	2.8	21.6
5 1	13 39.90	− 2 3.2	2.435	3.406	5.4	21.7
5 11	13 31.84	− 1 50.0	2.473	3.390	8.4	21.9
5 21	13 25.13	− 1 47.8	2.537	3.373	11.2	22.1

285362 1999 TR_{53} 4 19.5 223°.09 1°.5/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.97	−16 24.3	1.548	2.345	17.9	21.7
3 22	14 15.88	−16 25.7	1.456	2.338	14.4	21.5
4 1	14 8.76	−16 11.1	1.384	2.331	10.1	21.2
4 11	13 59.25	−15 41.2	1.335	2.324	5.3	20.9
4 21	13 48.41	−14 59.0	1.312	2.316	1.6	20.6
5 1	13 37.64	−14 10.3	1.316	2.308	5.9	20.9
5 11	13 28.32	−13 23.0	1.345	2.299	10.9	21.1
5 21	13 21.42	−12 43.9	1.397	2.290	15.3	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
435878 2008 YD_{130}			4 19.5	86°.47	3°.3/16.5	17
	h m	° ′			°	m
3 12	14 14.44	− 3 48.2	2.100	2.916	13.2	21.0
3 22	14 10.35	− 3 8.1	2.028	2.926	10.2	20.8
4 1	14 4.30	− 2 23.6	1.980	2.937	6.9	20.6
4 11	13 56.89	− 1 39.5	1.958	2.947	3.9	20.5
4 21	13 48.87	− 1 0.6	1.964	2.957	3.7	20.5
5 1	13 41.11	− 0 31.5	1.998	2.967	6.5	20.7
5 11	13 34.40	− 0 15.5	2.058	2.977	9.7	20.9
5 21	13 29.30	− 0 13.9	2.142	2.988	12.6	21.1
353439 2011 QT_{68}			4 19.5	185°.97	4°.6/25.1	18
3 12	14 15.50	−30 8.9	3.081	3.775	12.0	22.5
3 22	14 10.91	−30 25.8	2.976	3.775	10.2	22.3
4 1	14 4.60	−30 28.2	2.892	3.774	8.2	22.2
4 11	13 57.04	−30 15.0	2.834	3.773	6.1	22.0
4 21	13 48.84	−29 46.7	2.802	3.771	4.7	21.9
5 1	13 40.72	−29 5.2	2.800	3.769	4.9	21.9
5 11	13 33.36	−28 14.5	2.826	3.766	6.5	22.0
5 21	13 27.33	−27 19.3	2.879	3.763	8.6	22.2
156276 2001 VH_{90}			4 19.5	218°.06	5°.4/14.9	17
3 12	14 19.37	+ 0 10.6	1.916	2.731	14.3	20.7
3 22	14 14.61	+ 1 13.9	1.826	2.721	11.3	20.5
4 1	14 7.45	+ 2 21.1	1.760	2.711	8.1	20.3
4 11	13 58.49	+ 3 25.7	1.720	2.699	5.6	20.1
4 21	13 48.58	+ 4 20.6	1.707	2.687	6.0	20.1
5 1	13 38.78	+ 4 59.5	1.722	2.673	8.9	20.2
5 11	13 30.10	+ 5 18.4	1.763	2.659	12.3	20.4
5 21	13 23.32	+ 5 16.1	1.825	2.644	15.6	20.6
250419 2003 VW_{11}			4 19.5	183°.48	3°.0/22.2	16
3 12	14 19.49	−22 0.9	2.178	2.930	14.8	21.8
3 22	14 14.57	−22 3.7	2.081	2.931	12.1	21.7
4 1	14 7.35	−21 50.7	2.005	2.931	8.9	21.4
4 11	13 58.41	−21 21.7	1.955	2.930	5.5	21.2
4 21	13 48.60	−20 38.6	1.932	2.929	3.1	21.1
5 1	13 38.91	−19 45.5	1.938	2.927	4.7	21.2
5 11	13 30.32	−18 48.2	1.973	2.924	8.1	21.4
5 21	13 23.55	−17 53.0	2.033	2.920	11.5	21.6
104158 2000 EF_{70}			4 19.5	95°.76	2°.5/21.5	18
3 12	14 19.55	−18 26.4	2.175	2.941	14.4	19.4
3 22	14 14.47	−18 54.5	2.093	2.954	11.6	19.3
4 1	14 7.18	−19 10.9	2.033	2.967	8.3	19.1
4 11	13 58.29	−19 15.5	1.999	2.979	4.9	18.9
4 21	13 48.63	−19 9.3	1.992	2.992	2.5	18.8
5 1	13 39.16	−18 55.2	2.015	3.004	4.5	18.9
5 11	13 30.82	−18 37.4	2.065	3.016	7.8	19.1
5 21	13 24.26	−18 20.2	2.141	3.028	11.0	19.3
437663 2014 CE_{7}			4 19.5	19°.72	4°.1/22.9	17
3 12	14 15.63	−23 26.3	2.123	2.879	15.0	21.3
3 22	14 11.68	−23 53.4	2.032	2.880	12.4	21.1
4 1	14 5.47	−24 5.2	1.960	2.881	9.4	20.9
4 11	13 57.55	−24 0.9	1.914	2.882	6.3	20.7
4 21	13 48.76	−23 41.1	1.893	2.884	4.1	20.6
5 1	13 40.06	−23 8.9	1.900	2.886	5.2	20.6
5 11	13 32.44	−22 29.5	1.934	2.887	8.1	20.8
5 21	13 26.60	−21 48.6	1.993	2.889	11.3	21.0
506182 2016 GT_{57}			4 19.5	294°.24	2°.2/21.0	17
3 12	14 15.03	−17 56.0	1.585	2.384	17.5	22.0
3 22	14 12.08	−18 0.7	1.483	2.366	14.2	21.7
4 1	14 6.27	−17 48.5	1.401	2.347	10.2	21.4
4 11	13 58.13	−17 19.5	1.342	2.329	5.6	21.1
4 21	13 48.63	−16 36.0	1.308	2.311	2.2	20.9
5 1	13 39.04	−15 43.5	1.300	2.293	5.7	21.0
5 11	13 30.71	−14 49.9	1.317	2.275	10.6	21.3
5 21	13 24.65	−14 2.7	1.357	2.258	15.1	21.5
188062 2001 WT_{8}			4 19.5	204°.70	1°.9/17.7	18
3 12	14 16.40	− 7 58.5	2.248	3.049	12.9	21.4
3 22	14 11.93	− 7 23.2	2.154	3.044	10.0	21.2
4 1	14 5.44	− 6 40.2	2.084	3.039	6.7	21.0
4 11	13 57.48	− 5 53.1	2.041	3.033	3.3	20.8
4 21	13 48.78	− 5 6.2	2.026	3.026	2.3	20.7
5 1	13 40.19	− 4 24.4	2.041	3.019	5.6	20.9
5 11	13 32.54	− 3 52.1	2.083	3.012	9.1	21.1
5 21	13 26.46	− 3 32.2	2.149	3.003	12.3	21.3
49041 1998 RW			4 19.5	235°.86	3°.5/22.3	18
3 12	14 17.57	−22 13.6	1.937	2.701	16.0	20.2
3 22	14 13.52	−22 24.1	1.834	2.691	13.2	19.9
4 1	14 6.91	−22 17.5	1.752	2.681	9.8	19.7
4 11	13 58.31	−21 53.1	1.694	2.670	6.2	19.5
4 21	13 48.62	−21 12.3	1.663	2.659	3.6	19.3
5 1	13 38.93	−20 19.1	1.659	2.648	5.3	19.3
5 11	13 30.39	−19 20.3	1.681	2.636	9.0	19.5
5 21	13 23.84	−18 22.8	1.729	2.623	12.8	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
16667 1993 XM_{1}			4 19.5	244°.95	3°.3/12.6	18
	h m	° ′			°	m
3 12	14 5.93	+ 7 22.8	5.020	5.824	6.2	18.6
3 22	14 2.74	+ 7 57.8	4.932	5.813	5.0	18.5
4 1	13 58.74	+ 8 31.0	4.870	5.802	3.9	18.4
4 11	13 54.20	+ 9 0.1	4.836	5.791	3.3	18.4
4 21	13 49.40	+ 9 23.1	4.832	5.780	3.6	18.4
5 1	13 44.64	+ 9 38.3	4.856	5.768	4.6	18.4
5 11	13 40.23	+ 9 44.6	4.907	5.757	5.9	18.5
5 21	13 36.43	+ 9 41.6	4.982	5.745	7.1	18.6
328899 2010 TN_{19}			4 19.5	330°.60	18°.1/24.3	18
3 12	14 30.57	−34 20.2	1.071	1.816	27.3	20.2
3 22	14 27.56	−37 51.4	0.996	1.810	24.7	19.9
4 1	14 19.09	−41 7.0	0.936	1.804	22.0	19.7
4 11	14 5.21	−43 49.7	0.894	1.799	19.6	19.5
4 21	13 47.24	−45 41.9	0.870	1.794	18.2	19.4
5 1	13 28.09	−46 32.7	0.865	1.790	18.5	19.4
5 11	13 11.35	−46 26.5	0.878	1.786	20.3	19.5
5 21	12 59.72	−45 39.3	0.907	1.783	23.0	19.6
394770 2008 GO_{33}			4 19.5	66°.83	1°.5/17.7	17
3 12	14 10.38	−10 2.0	2.384	3.190	12.1	21.5
3 22	14 7.07	− 9 9.3	2.301	3.195	9.3	21.4
4 1	14 2.05	− 8 7.5	2.242	3.199	6.2	21.2
4 11	13 55.85	− 7 0.4	2.210	3.204	2.9	20.9
4 21	13 49.10	− 5 53.0	2.207	3.208	1.9	20.9
5 1	13 42.52	− 4 50.5	2.233	3.213	5.0	21.1
5 11	13 36.80	− 3 57.6	2.286	3.217	8.2	21.3
5 21	13 32.44	− 3 17.5	2.363	3.222	11.1	21.5
496134 2010 RS_{27}			4 19.5	179°.28	0°.7/20.2	16
3 12	14 18.01	−15 59.0	2.077	2.858	14.5	23.0
3 22	14 13.39	−15 39.2	1.985	2.860	11.5	22.8
4 1	14 6.53	−15 5.9	1.916	2.861	7.9	22.6
4 11	13 58.03	−14 21.0	1.872	2.862	4.0	22.3
4 21	13 48.71	−13 28.1	1.857	2.861	0.8	22.1
5 1	13 39.55	−12 32.4	1.871	2.861	4.7	22.3
5 11	13 31.50	−11 39.9	1.912	2.859	8.6	22.6
5 21	13 25.24	−10 55.6	1.978	2.857	12.1	22.8
206189 2002 TB_{376}			4 19.5	225°.78	4°.3/23.7	18
3 12	14 16.38	−25 58.2	2.496	3.227	13.6	20.9
3 22	14 12.03	−26 21.4	2.390	3.220	11.4	20.7
4 1	14 5.61	−26 29.7	2.306	3.212	8.9	20.5
4 11	13 57.62	−26 22.1	2.245	3.204	6.2	20.4
4 21	13 48.77	−25 58.8	2.212	3.196	4.4	20.2
5 1	13 39.95	−25 22.3	2.208	3.188	5.1	20.3
5 11	13 32.02	−24 37.1	2.231	3.179	7.5	20.4
5 21	13 25.66	−23 48.6	2.280	3.170	10.3	20.6
350219 2012 SJ_{19}			4 19.5	240°.02	0°.1/19.4	17
3 12	14 16.54	−12 7.3	2.310	3.099	13.0	21.3
3 22	14 12.11	−12 1.9	2.207	3.089	10.2	21.1
4 1	14 5.63	−11 47.8	2.127	3.077	7.0	20.9
4 11	13 57.63	−11 26.8	2.074	3.066	3.3	20.6
4 21	13 48.79	−11 1.5	2.049	3.054	0.6	20.4
5 1	13 39.98	−10 35.6	2.053	3.041	4.5	20.7
5 11	13 32.05	−10 13.3	2.086	3.029	8.2	20.9
5 21	13 25.68	− 9 58.0	2.143	3.016	11.6	21.1
231550 2008 SV_{258}			4 19.5	45°.72	2°.2/21.5	18
3 12	14 13.14	−20 6.1	1.684	2.474	17.0	19.9
3 22	14 10.01	−19 48.7	1.612	2.488	13.6	19.7
4 1	14 4.40	−19 12.3	1.561	2.503	9.7	19.5
4 11	13 57.05	−18 18.7	1.533	2.518	5.4	19.3
4 21	13 48.91	−17 12.4	1.531	2.533	2.2	19.1
5 1	13 41.12	−16 0.2	1.556	2.548	5.0	19.3
5 11	13 34.67	−14 50.1	1.607	2.564	9.1	19.6
5 21	13 30.25	−13 48.8	1.681	2.580	12.8	19.8
499973 2011 KS_{25}			4 19.5	23°.20	4°.8/15.1	17
3 12	14 11.47	− 2 59.0	1.722	2.556	14.8	20.7
3 22	14 8.54	− 1 44.2	1.651	2.559	11.5	20.5
4 1	14 3.35	− 0 22.9	1.604	2.563	7.9	20.3
4 11	13 56.55	+ 0 57.5	1.581	2.567	5.1	20.2
4 21	13 49.00	+ 2 9.3	1.585	2.571	5.5	20.2
5 1	13 41.71	+ 3 5.4	1.615	2.576	8.5	20.4
5 11	13 35.61	+ 3 40.8	1.669	2.581	12.0	20.6
5 21	13 31.33	+ 3 54.3	1.745	2.587	15.2	20.8
374465 2005 XZ_{63}			4 19.5	158°.59	4°.3/24.3	17
3 12	14 17.48	−28 13.5	2.515	3.231	13.9	22.1
3 22	14 12.71	−28 12.9	2.420	3.239	11.7	22.0
4 1	14 5.93	−27 54.6	2.347	3.246	9.0	21.8
4 11	13 57.71	−27 18.2	2.298	3.253	6.4	21.7
4 21	13 48.80	−26 24.8	2.277	3.259	4.5	21.5
5 1	13 40.09	−25 18.4	2.285	3.264	4.9	21.6
5 11	13 32.39	−24 4.6	2.321	3.269	7.2	21.7
5 21	13 26.32	−22 49.8	2.384	3.273	9.9	21.9

16650 Sakushingakuin 4 19.5 230°.80 1°.8/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 20.73	−16 12.6	1.734	2.522	16.7	17.8
3 22	14 16.21	−16 29.5	1.638	2.514	13.4	17.6
4 1	14 8.87	−16 33.4	1.562	2.506	9.5	17.3
4 11	13 59.30	−16 24.5	1.510	2.497	5.1	17.0
4 21	13 48.49	−16 4.5	1.485	2.488	1.8	16.8
5 1	13 37.69	−15 37.5	1.487	2.478	5.4	17.0
5 11	13 28.16	−15 9.3	1.516	2.468	10.0	17.2
5 21	13 20.85	−14 45.5	1.568	2.458	14.1	17.4

387445 2013 WV_{60} 4 19.5 282°.29 1°.7/18.2 18

3 12	14 15.08	− 8 46.7	1.859	2.672	14.7	20.6
3 22	14 11.42	− 8 23.6	1.765	2.661	11.5	20.4
4 1	14 5.40	− 7 51.4	1.694	2.651	7.7	20.1
4 11	13 57.58	− 7 13.7	1.647	2.641	3.7	19.8
4 21	13 48.81	− 6 35.1	1.628	2.630	2.1	19.7
5 1	13 40.11	− 6 0.9	1.636	2.620	6.1	19.9
5 11	13 32.50	− 5 36.3	1.670	2.609	10.2	20.2
5 21	13 26.75	− 5 24.6	1.727	2.599	13.9	20.4

126010 2001 YC_{52} 4 19.5 237°.01 3°.3/22.4 18

3 12	14 16.26	−22 18.3	2.035	2.797	15.4	20.2
3 22	14 12.34	−22 24.5	1.933	2.789	12.6	20.0
4 1	14 6.03	−22 14.0	1.852	2.780	9.4	19.8
4 11	13 57.89	−21 46.4	1.795	2.771	5.9	19.5
4 21	13 48.76	−21 3.4	1.765	2.762	3.4	19.4
5 1	13 39.67	−20 9.0	1.763	2.752	5.0	19.5
5 11	13 31.66	−19 9.6	1.788	2.742	8.6	19.6
5 21	13 25.52	−18 11.9	1.837	2.732	12.1	19.8

375013 2007 GE_{22} 4 19.5 208°.90 2°.1/17.9 18

3 12	14 18.48	− 5 58.5	2.115	2.919	13.5	20.4
3 22	14 13.67	− 5 46.2	2.024	2.915	10.5	20.2
4 1	14 6.70	− 5 28.9	1.957	2.912	7.1	20.0
4 11	13 58.13	− 5 9.8	1.916	2.908	3.5	19.8
4 21	13 48.74	− 4 52.5	1.904	2.904	2.5	19.7
5 1	13 39.47	− 4 40.8	1.920	2.899	5.8	19.9
5 11	13 31.24	− 4 38.0	1.964	2.895	9.4	20.1
5 21	13 24.72	− 4 46.1	2.031	2.890	12.7	20.3

471858 2013 AS_{7} 4 19.5 170°.19 6°.6/27.4 18

3 12	14 16.33	−35 55.5	2.830	3.492	13.5	21.4
3 22	14 11.91	−36 32.2	2.730	3.494	11.9	21.2
4 1	14 5.47	−36 51.5	2.650	3.496	10.0	21.1
4 11	13 57.55	−36 51.1	2.592	3.497	8.2	21.0
4 21	13 48.84	−36 30.6	2.560	3.498	6.9	20.9
5 1	13 40.20	−35 51.2	2.554	3.499	6.7	20.9
5 11	13 32.48	−34 57.2	2.576	3.500	7.8	20.9
5 21	13 26.32	−33 54.1	2.622	3.500	9.5	21.0

16956 1998 MQ_{11} 4 19.5 230°.59 5°.5/ 5.8 18

3 12	14 5.74	+21 6.5	4.877	5.655	6.8	18.3
3 22	14 2.67	+22 7.3	4.817	5.649	6.0	18.2
4 1	13 58.74	+23 1.8	4.782	5.644	5.6	18.2
4 11	13 54.23	+23 47.1	4.773	5.638	5.6	18.2
4 21	13 49.45	+24 20.7	4.790	5.633	6.1	18.2
5 1	13 44.73	+24 41.1	4.832	5.627	6.8	18.3
5 11	13 40.40	+24 47.8	4.897	5.621	7.7	18.3
5 21	13 36.74	+24 41.1	4.981	5.615	8.6	18.4

501954 2014 YB_{7} 4 19.5 93°.25 3°.7/16.4 18

3 12	14 15.75	− 3 56.2	1.824	2.645	14.6	20.7
3 22	14 11.70	− 3 8.9	1.754	2.655	11.3	20.5
4 1	14 5.39	− 2 16.2	1.707	2.665	7.7	20.3
4 11	13 57.49	− 1 23.7	1.685	2.674	4.4	20.2
4 21	13 48.89	− 0 37.3	1.691	2.684	4.2	20.2
5 1	13 40.58	− 0 2.6	1.724	2.693	7.3	20.4
5 11	13 33.49	+ 0 16.5	1.782	2.702	10.9	20.6
5 21	13 28.26	+ 0 18.5	1.862	2.711	14.1	20.8

139724 2001 QW_{246} 4 19.5 280°.00 3°.7/15.3 18

3 12	14 10.30	− 5 17.0	2.174	2.994	12.6	19.5
3 22	14 7.26	− 3 51.8	2.085	2.987	9.8	19.3
4 1	14 2.35	− 2 17.7	2.021	2.979	6.6	19.1
4 11	13 56.08	− 0 40.9	1.984	2.972	4.0	18.9
4 21	13 49.14	+ 0 51.7	1.976	2.964	4.3	18.9
5 1	13 42.32	+ 2 13.1	1.996	2.957	7.2	19.1
5 11	13 36.40	+ 3 17.7	2.042	2.950	10.4	19.3
5 21	13 31.95	+ 4 2.7	2.111	2.942	13.3	19.4

317702 2003 QN_{3} 4 19.5 215°.18 2°.1/21.4 15

3 12	14 18.88	−19 37.3	2.125	2.890	14.7	22.6
3 22	14 14.24	−19 29.8	2.020	2.881	11.9	22.3
4 1	14 7.25	−19 7.1	1.937	2.872	8.6	22.1
4 11	13 58.47	−18 29.4	1.879	2.861	4.9	21.9
4 21	13 48.71	−17 39.2	1.848	2.850	2.1	21.7
5 1	13 38.99	−16 41.1	1.847	2.837	4.7	21.8
5 11	13 30.32	−15 41.2	1.874	2.824	8.5	22.0
5 21	13 23.46	−14 45.8	1.926	2.810	12.1	22.2

438363 2006 SU_{314} 4 19.5 117°.65 1°.8/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 12.09	− 8 8.7	2.776	3.575	10.8	21.7
3 22	14 8.05	− 7 11.7	2.702	3.591	8.3	21.5
4 1	14 2.55	− 6 8.1	2.653	3.608	5.5	21.3
4 11	13 56.06	− 5 1.8	2.633	3.624	2.7	21.2
4 21	13 49.16	− 3 57.2	2.642	3.640	2.2	21.2
5 1	13 42.47	− 2 58.5	2.681	3.655	4.7	21.4
5 11	13 36.56	− 2 9.5	2.749	3.670	7.5	21.6
5 21	13 31.87	− 1 32.6	2.841	3.684	9.9	21.7

168496 1999 RN_{191} 4 19.5 245°.42 1°.9/17.9 18

3 12	14 17.68	− 9 1.1	1.942	2.747	14.5	21.0
3 22	14 13.46	− 8 24.7	1.837	2.729	11.4	20.7
4 1	14 6.82	− 7 37.8	1.756	2.711	7.7	20.4
4 11	13 58.31	− 6 44.1	1.700	2.692	3.7	20.2
4 21	13 48.74	− 5 48.7	1.672	2.673	2.4	20.0
5 1	13 39.15	− 4 57.7	1.672	2.653	6.3	20.2
5 11	13 30.59	− 4 17.0	1.699	2.632	10.5	20.4
5 21	13 23.88	− 3 50.8	1.749	2.610	14.3	20.6

53197 1999 CR_{56} 4 19.5 42°.11 5°.2/14.2 18

3 12	14 11.96	+ 0 35.4	2.049	2.876	13.0	18.3
3 22	14 8.56	+ 1 45.7	1.977	2.879	10.2	18.1
4 1	14 3.20	+ 2 58.5	1.929	2.882	7.3	18.0
4 11	13 56.46	+ 4 7.2	1.907	2.885	5.4	17.8
4 21	13 49.09	+ 5 5.6	1.912	2.888	5.8	17.9
5 1	13 41.93	+ 5 48.1	1.944	2.891	8.3	18.0
5 11	13 35.78	+ 6 11.5	2.000	2.894	11.2	18.2
5 21	13 31.20	+ 6 15.0	2.079	2.898	13.9	18.4

393805 2005 QO_{77} 4 19.5 246°.17 0°.2/19.3 16

3 12	14 13.30	−12 33.4	2.644	3.431	11.6	21.9
3 22	14 9.33	−12 14.3	2.538	3.418	9.1	21.7
4 1	14 3.64	−11 46.4	2.455	3.405	6.2	21.5
4 11	13 56.68	−11 11.7	2.400	3.392	2.9	21.3
4 21	13 49.05	−10 33.1	2.374	3.378	0.6	21.0
5 1	13 41.45	− 9 54.4	2.377	3.364	4.1	21.3
5 11	13 34.59	− 9 19.5	2.408	3.350	7.4	21.5
5 21	13 29.03	− 8 51.8	2.465	3.335	10.3	21.6

357965 2006 BC_{44} 4 19.5 115°.08 4°.9/15.9 18

3 12	14 17.65	− 3 21.8	1.500	2.331	16.8	20.8
3 22	14 13.66	− 2 17.1	1.434	2.340	13.1	20.6
4 1	14 6.96	− 1 5.5	1.389	2.348	9.0	20.4
4 11	13 58.31	+ 0 5.3	1.369	2.356	5.5	20.2
4 21	13 48.78	+ 1 7.1	1.375	2.364	5.5	20.2
5 1	13 39.63	+ 1 52.3	1.406	2.372	9.0	20.4
5 11	13 31.98	+ 2 16.2	1.461	2.380	12.9	20.7
5 21	13 26.57	+ 2 17.8	1.538	2.387	16.5	20.9

102350 1999 TJ_{123} 4 19.5 116°.17 2°.1/17.8 18

3 12	14 17.90	− 8 43.4	1.794	2.604	15.3	19.7
3 22	14 13.40	− 7 59.6	1.724	2.619	11.8	19.5
4 1	14 6.55	− 7 6.1	1.676	2.633	7.9	19.3
4 11	13 58.05	− 6 7.9	1.655	2.647	3.8	19.1
4 21	13 48.84	− 5 10.7	1.661	2.661	2.6	19.0
5 1	13 39.98	− 4 20.9	1.694	2.674	6.3	19.3
5 11	13 32.42	− 3 43.7	1.754	2.687	10.2	19.5
5 21	13 26.83	− 3 21.9	1.837	2.699	13.7	19.8

507335 2011 UJ_{13} 4 19.5 179°.76 3°.8/15.2 18

3 12	14 15.13	+ 2 11.8	3.038	3.840	9.9	22.1
3 22	14 10.32	+ 2 43.3	2.955	3.841	7.8	21.9
4 1	14 4.06	+ 3 14.4	2.896	3.842	5.6	21.8
4 11	13 56.80	+ 3 41.6	2.866	3.842	3.9	21.7
4 21	13 49.07	+ 4 1.8	2.866	3.842	4.1	21.7
5 1	13 41.48	+ 4 12.2	2.894	3.841	5.9	21.8
5 11	13 34.59	+ 4 11.1	2.951	3.840	8.2	21.9
5 21	13 28.86	+ 3 58.1	3.032	3.839	10.3	22.1

488317 2016 UN_{84} 4 19.5 292°.94 1°.4/18.3 17 R

3 12	14 14.63	− 8 2.2	2.287	3.090	12.6	21.0
3 22	14 10.72	− 7 50.5	2.177	3.068	9.9	20.8
4 1	14 4.80	− 7 32.3	2.091	3.046	6.7	20.5
4 11	13 57.32	− 7 10.4	2.031	3.024	3.2	20.3
4 21	13 48.96	− 6 48.0	1.999	3.001	1.8	20.1
5 1	13 40.56	− 6 28.9	1.996	2.979	5.2	20.3
5 11	13 32.97	− 6 16.8	2.020	2.957	8.9	20.5
5 21	13 26.88	− 6 14.5	2.069	2.935	12.2	20.6

313434 2002 QL_{146} 4 19.5 346°.84 2°.4/17.8 17

3 12	14 14.28	− 8 32.8	1.418	2.250	17.5	20.4
3 22	14 11.43	− 7 58.6	1.340	2.247	13.7	20.2
4 1	14 5.72	− 7 12.6	1.282	2.244	9.2	19.9
4 11	13 57.85	− 6 20.1	1.248	2.242	4.4	19.6
4 21	13 48.89	− 5 27.9	1.239	2.240	3.0	19.5
5 1	13 40.14	− 4 43.4	1.254	2.238	7.4	19.8
5 11	13 32.83	− 4 13.4	1.294	2.237	12.2	20.0
5 21	13 27.84	− 4 1.5	1.354	2.237	16.4	20.3

59523 1999 JM_{22} 4 19.5 268°.57 2°.7/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 13.03	−22 43.6	1.886	2.658	16.1	18.6
3 22	14 9.96	−22 15.4	1.786	2.650	13.1	18.3
4 1	14 4.49	−21 26.0	1.707	2.641	9.6	18.1
4 11	13 57.22	−20 16.0	1.652	2.632	5.7	17.8
4 21	13 49.00	−18 49.2	1.623	2.623	2.7	17.6
5 1	13 40.90	−17 12.3	1.622	2.614	4.9	17.8
5 11	13 33.94	−15 34.2	1.648	2.605	8.9	18.0
5 21	13 28.88	−14 3.4	1.698	2.596	12.8	18.2

109416 2001 QB_{189} 4 19.5 129°.36 1°.5/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.40	− 9 27.4	2.048	2.849	14.0	20.3
3 22	14 12.77	− 8 53.2	1.972	2.862	10.8	20.1
4 1	14 6.03	− 8 10.2	1.920	2.874	7.2	19.9
4 11	13 57.81	− 7 22.1	1.894	2.886	3.4	19.7
4 21	13 48.93	− 6 33.6	1.896	2.898	1.9	19.6
5 1	13 40.33	− 5 50.1	1.927	2.909	5.5	19.9
5 11	13 32.86	− 5 16.0	1.985	2.919	9.1	20.1
5 21	13 27.14	− 4 54.3	2.067	2.929	12.4	20.3

56798 2000 PW_3 4 19.5 222°.69 5°.1/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.54	−25 20.5	1.961	2.708	16.3	19.4
3 22	14 14.33	−25 56.2	1.865	2.705	13.7	19.2
4 1	14 7.51	−26 14.9	1.788	2.701	10.6	19.0
4 11	13 58.69	−26 14.5	1.735	2.698	7.4	18.8
4 21	13 48.75	−25 54.9	1.708	2.694	5.2	18.6
5 1	13 38.86	−25 18.7	1.709	2.690	6.1	18.7
5 11	13 30.15	−24 32.0	1.735	2.686	9.0	18.8
5 21	13 23.48	−23 41.6	1.786	2.682	12.3	19.0

196760 2003 SO_{160} 4 19.5 153°.42 1°.5/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.75	− 7 59.6	2.199	3.001	13.1	20.4
3 22	14 12.21	− 7 42.3	2.115	3.005	10.2	20.2
4 1	14 5.65	− 7 18.5	2.054	3.009	6.8	20.0
4 11	13 57.65	− 6 51.2	2.020	3.012	3.2	19.7
4 21	13 48.96	− 6 24.0	2.014	3.015	1.9	19.6
5 1	13 40.44	− 6 1.1	2.037	3.018	5.2	19.9
5 11	13 32.92	− 5 46.0	2.087	3.021	8.8	20.1
5 21	13 27.02	− 5 41.0	2.161	3.024	11.9	20.3

399891 2005 WX_{55} 4 19.5 191°.06 9°.9/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 25.10	+17 56.2	2.237	3.018	13.6	22.2
3 22	14 18.66	+19 15.9	2.170	3.017	11.8	22.1
4 1	14 9.96	+20 25.3	2.126	3.014	10.4	22.0
4 11	13 59.65	+21 16.2	2.108	3.010	9.9	22.0
4 21	13 48.62	+21 42.5	2.116	3.005	10.7	22.0
5 1	13 37.87	+21 40.7	2.150	2.999	12.3	22.1
5 11	13 28.32	+21 11.1	2.206	2.991	14.2	22.2
5 21	13 20.65	+20 16.8	2.282	2.982	16.1	22.3

269397 2009 RB 4 19.5 241°.12 3°.2/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.64	− 2 57.3	2.171	2.976	13.2	20.2
3 22	14 14.65	− 2 35.7	2.070	2.961	10.4	20.0
4 1	14 7.45	− 2 10.5	1.993	2.946	7.1	19.8
4 11	13 58.58	− 1 45.9	1.942	2.930	4.0	19.5
4 21	13 48.79	− 1 25.8	1.920	2.914	3.6	19.5
5 1	13 39.02	− 1 14.4	1.927	2.897	6.6	19.6
5 11	13 30.20	− 1 14.9	1.960	2.879	10.1	19.8
5 21	13 23.06	− 1 28.8	2.018	2.861	13.4	20.0

497671 2006 RJ_{104} 4 19.5 173°.52 2°.1/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.15	− 5 29.7	2.486	3.289	11.7	22.2
3 22	14 10.73	− 5 9.0	2.399	3.290	9.1	22.0
4 1	14 4.54	− 4 43.9	2.337	3.291	6.1	21.8
4 11	13 57.10	− 4 17.7	2.301	3.292	3.1	21.6
4 21	13 49.06	− 3 53.6	2.295	3.293	2.5	21.6
5 1	13 41.16	− 3 35.3	2.317	3.293	5.2	21.7
5 11	13 34.11	− 3 25.5	2.368	3.293	8.3	21.9
5 21	13 28.46	− 3 26.1	2.442	3.293	11.1	22.1

420227 2011 HS_{42} 4 19.5 209°.00 4°.5/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.32	+ 0 29.2	2.341	3.154	12.1	21.4
3 22	14 10.99	+ 1 21.1	2.255	3.149	9.5	21.2
4 1	14 4.80	+ 2 15.1	2.194	3.144	6.8	21.0
4 11	13 57.25	+ 3 6.1	2.159	3.138	4.7	20.9
4 21	13 49.05	+ 3 48.9	2.152	3.131	5.0	20.9
5 1	13 40.97	+ 4 19.1	2.174	3.125	7.3	21.0
5 11	13 33.78	+ 4 33.7	2.222	3.118	10.2	21.2
5 21	13 28.07	+ 4 31.6	2.293	3.110	12.8	21.3

210667 2000 QG_{100} 4 19.5 200°.74 1°.2/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 21.16	−15 59.8	2.138	2.911	14.4	21.6
3 22	14 15.94	−15 58.4	2.037	2.906	11.5	21.4
4 1	14 8.38	−15 44.9	1.959	2.901	8.0	21.1
4 11	13 59.03	−15 20.3	1.907	2.894	4.2	20.9
4 21	13 48.73	−14 47.0	1.883	2.887	1.2	20.6
5 1	13 38.49	−14 9.0	1.889	2.879	4.6	20.9
5 11	13 29.32	−13 31.5	1.923	2.870	8.6	21.1
5 21	13 21.96	−12 59.5	1.982	2.860	12.2	21.3

162539 2000 QA_{166} 4 19.5 261°.48 5°.1/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 17.62	−24 17.2	1.584	2.355	18.7	20.2
3 22	14 14.25	−24 42.4	1.489	2.346	15.6	20.0
4 1	14 7.82	−24 46.9	1.412	2.338	11.9	19.7
4 11	13 58.97	−24 28.4	1.358	2.329	8.0	19.5
4 21	13 48.73	−23 47.4	1.328	2.320	5.2	19.3
5 1	13 38.50	−22 48.3	1.323	2.311	6.5	19.3
5 11	13 29.69	−21 39.4	1.344	2.302	10.4	19.5
5 21	13 23.33	−20 30.3	1.387	2.293	14.6	19.7

457624 2009 BX_{100} 4 19.5 296°.21 4°.6/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.61	−22 5.8	1.434	2.225	19.4	20.8
3 22	14 13.08	−22 31.8	1.333	2.206	16.1	20.5
4 1	14 7.31	−22 37.6	1.250	2.186	12.1	20.2
4 11	13 58.85	−22 20.9	1.189	2.167	7.8	19.9
4 21	13 48.73	−21 42.0	1.151	2.148	4.7	19.7
5 1	13 38.43	−20 45.3	1.137	2.128	6.7	19.7
5 11	13 29.52	−19 39.6	1.148	2.110	11.4	19.9
5 21	13 23.21	−18 35.0	1.180	2.091	16.1	20.1

4189 Sayany 4 19.5 260°.48 1°.0/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.22	−12 47.5	1.621	2.434	16.6	17.4
3 22	14 12.01	−12 4.8	1.525	2.421	13.1	17.1
4 1	14 6.09	−11 5.6	1.450	2.407	8.9	16.8
4 11	13 58.07	− 9 53.7	1.399	2.393	4.1	16.5
4 21	13 48.89	− 8 35.3	1.375	2.378	1.6	16.3
5 1	13 39.75	− 7 18.5	1.377	2.364	6.5	16.6
5 11	13 31.86	− 6 12.0	1.405	2.349	11.3	16.8
5 21	13 26.10	− 5 21.9	1.454	2.334	15.6	17.0

384165 2009 BB_{10} 4 19.5 157°.08 1°.7/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.34	− 7 53.1	2.552	3.351	11.6	22.0
3 22	14 10.03	− 7 16.7	2.468	3.357	9.0	21.8
4 1	14 4.03	− 6 33.8	2.408	3.363	6.0	21.6
4 11	13 56.86	− 5 47.8	2.376	3.368	2.9	21.4
4 21	13 49.14	− 5 2.5	2.373	3.373	2.1	21.4
5 1	13 41.58	− 4 22.2	2.400	3.377	4.9	21.6
5 11	13 34.87	− 3 50.5	2.454	3.381	8.0	21.8
5 21	13 29.52	− 3 29.7	2.533	3.385	10.7	21.9

196558 2003 QB_{13} 4 19.5 199°.99 2°.3/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.26	− 5 59.4	2.423	3.226	12.0	20.6
3 22	14 10.90	− 5 23.2	2.332	3.223	9.3	20.4
4 1	14 4.72	− 4 41.1	2.265	3.219	6.3	20.2
4 11	13 57.23	− 3 56.9	2.225	3.215	3.3	20.0
4 21	13 49.08	− 3 14.7	2.214	3.211	2.7	19.9
5 1	13 41.04	− 2 39.0	2.232	3.205	5.6	20.1
5 11	13 33.87	− 2 13.3	2.277	3.200	8.7	20.3
5 21	13 28.12	− 2 0.0	2.347	3.194	11.6	20.5

375787 2009 SB_{309} 4 19.5 174°.22 2°.3/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.11	− 8 9.9	2.139	2.945	13.3	22.4
3 22	14 10.99	− 7 13.8	2.055	2.948	10.3	22.2
4 1	14 4.87	− 6 8.5	1.994	2.950	6.9	22.0
4 11	13 57.31	− 4 58.7	1.960	2.951	3.4	21.7
4 21	13 49.07	− 3 50.1	1.954	2.952	2.8	21.7
5 1	13 41.01	− 2 48.6	1.978	2.953	6.0	21.9
5 11	13 33.96	− 1 59.3	2.028	2.953	9.5	22.1
5 21	13 28.52	− 1 25.4	2.102	2.952	12.7	22.3

170030 2002 VA_{11} 4 19.5 125°.89 1°.4/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.29	− 7 53.5	2.311	3.110	12.6	20.2
3 22	14 11.74	− 7 40.0	2.228	3.117	9.8	20.0
4 1	14 5.28	− 7 20.7	2.169	3.124	6.5	19.9
4 11	13 57.48	− 6 58.3	2.137	3.130	3.1	19.6
4 21	13 49.04	− 6 36.1	2.134	3.136	1.8	19.5
5 1	13 40.78	− 6 17.7	2.160	3.142	5.0	19.8
5 11	13 33.48	− 6 6.4	2.213	3.148	8.3	20.0
5 21	13 27.71	− 6 4.3	2.291	3.153	11.3	20.2

150734 2001 QG_{50} 4 19.5 167°.88 1°.9/17.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.65	− 7 57.1	2.474	3.269	12.0	21.7
3 22	14 11.87	− 7 13.2	2.388	3.275	9.3	21.5
4 1	14 5.30	− 6 22.1	2.327	3.280	6.2	21.3
4 11	13 57.47	− 5 27.4	2.293	3.284	3.0	21.1
4 21	13 49.05	− 4 33.6	2.289	3.288	2.3	21.0
5 1	13 40.81	− 3 45.3	2.315	3.291	5.2	21.2
5 11	13 33.47	− 3 6.5	2.369	3.293	8.4	21.4
5 21	13 27.58	− 2 39.8	2.448	3.294	11.2	21.6

352435 2008 AO_{20} 4 19.5 196°.21 4°.1/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.52	+ 1 11.2	2.780	3.590	10.4	21.7
3 22	14 8.51	+ 2 6.5	2.696	3.588	8.2	21.5
4 1	14 2.97	+ 3 3.2	2.637	3.585	5.9	21.3
4 11	13 56.37	+ 3 56.8	2.606	3.582	4.3	21.2
4 21	13 49.25	+ 4 42.8	2.604	3.579	4.6	21.2
5 1	13 42.25	+ 5 17.5	2.631	3.575	6.6	21.4
5 11	13 35.97	+ 5 38.3	2.684	3.571	9.0	21.5
5 21	13 30.90	+ 5 44.2	2.761	3.566	11.2	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
470146 2006 UG_{74}			4 19.5 259°.85		2°.0/21.3 16	
	h m	° ′			°	m
3 12	14 15.70	−18 9.6	2.401	3.170	13.1	22.0
3 22	14 11.53	−18 20.6	2.294	3.158	10.6	21.8
4 1	14 5.33	−18 20.4	2.209	3.146	7.6	21.6
4 11	13 57.60	−18 9.3	2.151	3.133	4.3	21.3
4 21	13 49.02	−17 48.7	2.120	3.121	2.0	21.1
5 1	13 40.44	−17 21.5	2.118	3.108	4.2	21.3
5 11	13 32.70	−16 52.1	2.144	3.095	7.6	21.5
5 21	13 26.48	−16 24.6	2.195	3.082	10.8	21.6
429090 2009 RQ_{47}			4 19.5 125°.13		1°.2/20.6 15	
3 12	14 18.71	−16 19.7	2.215	2.989	13.9	22.4
3 22	14 13.73	−16 16.0	2.135	3.004	11.0	22.2
4 1	14 6.67	−16 0.4	2.078	3.019	7.7	22.0
4 11	13 58.15	−15 34.6	2.046	3.034	4.0	21.8
4 21	13 48.97	−15 1.1	2.044	3.047	1.2	21.6
5 1	13 40.03	−14 24.1	2.070	3.061	4.2	21.9
5 11	13 32.19	−13 48.2	2.125	3.073	7.8	22.1
5 21	13 26.05	−13 17.8	2.205	3.085	11.0	22.3
111553 2001 YQ_{140}			4 19.5 237°.07		0°.7/18.9 17	
3 12	14 15.41	−10 4.3	2.439	3.233	12.2	19.9
3 22	14 11.09	− 9 57.3	2.342	3.227	9.6	19.7
4 1	14 4.91	− 9 43.4	2.269	3.221	6.4	19.5
4 11	13 57.35	− 9 24.7	2.223	3.215	3.0	19.3
4 21	13 49.09	− 9 4.0	2.206	3.209	1.0	19.1
5 1	13 40.91	− 8 44.7	2.217	3.203	4.5	19.3
5 11	13 33.57	− 8 30.2	2.257	3.197	7.9	19.5
5 21	13 27.66	− 8 23.2	2.321	3.190	10.9	19.7
264292 1998 SA_{38}			4 19.5 192°.76		0°.2/19.7 17	
3 12	14 17.60	−14 18.6	2.140	2.926	14.0	22.2
3 22	14 13.07	−13 56.5	2.046	2.924	11.0	22.0
4 1	14 6.38	−13 22.3	1.974	2.922	7.5	21.7
4 11	13 58.08	−12 38.1	1.928	2.919	3.6	21.5
4 21	13 48.97	−11 47.8	1.910	2.915	0.6	21.2
5 1	13 39.98	−10 56.2	1.922	2.911	4.7	21.5
5 11	13 32.03	−10 9.0	1.961	2.906	8.6	21.8
5 21	13 25.79	− 9 30.5	2.026	2.900	12.1	22.0
443726 2015 LS_{15}			4 19.5 325°.81		6°.6/13.2 17	
3 12	14 13.29	+ 6 10.6	2.106	2.930	12.9	20.5
3 22	14 9.64	+ 7 7.8	2.030	2.924	10.4	20.3
4 1	14 4.00	+ 8 2.8	1.976	2.918	8.0	20.2
4 11	13 56.93	+ 8 49.1	1.949	2.912	6.6	20.1
4 21	13 49.18	+ 9 21.2	1.947	2.907	7.2	20.1
5 1	13 41.59	+ 9 34.5	1.972	2.902	9.3	20.2
5 11	13 34.98	+ 9 27.3	2.021	2.897	11.9	20.4
5 21	13 29.95	+ 8 59.9	2.091	2.892	14.5	20.5
347451 2012 TW_{241}			4 19.5 266°.27		1°.3/18.3 17	
3 12	14 14.24	− 9 25.7	2.086	2.893	13.6	21.2
3 22	14 10.48	− 9 0.8	1.996	2.888	10.6	21.0
4 1	14 4.64	− 8 27.2	1.928	2.884	7.1	20.7
4 11	13 57.26	− 7 48.2	1.887	2.880	3.3	20.5
4 21	13 49.12	− 7 8.0	1.873	2.875	1.7	20.4
5 1	13 41.08	− 6 31.5	1.887	2.871	5.4	20.6
5 11	13 34.04	− 6 3.2	1.928	2.866	9.1	20.8
5 21	13 28.63	− 5 46.3	1.993	2.862	12.5	21.0
390008 2012 TW_{312}			4 19.5 257°.01		2°.1/17.7 17	
3 12	14 16.54	− 6 14.2	2.221	3.026	12.9	21.2
3 22	14 12.21	− 5 55.1	2.120	3.012	10.1	21.0
4 1	14 5.81	− 5 30.4	2.043	2.998	6.8	20.7
4 11	13 57.84	− 5 3.2	1.991	2.983	3.4	20.5
4 21	13 49.02	− 4 37.4	1.969	2.968	2.5	20.4
5 1	13 40.22	− 4 17.2	1.975	2.953	5.7	20.6
5 11	13 32.32	− 4 6.1	2.008	2.938	9.3	20.8
5 21	13 26.00	− 4 6.4	2.065	2.922	12.6	20.9
391370 2006 VO_{131}			4 19.5 256°.30		2°.2/17.4 17	
3 12	14 13.43	− 6 4.5	2.365	3.173	12.1	21.3
3 22	14 9.56	− 5 35.7	2.275	3.169	9.4	21.1
4 1	14 3.87	− 5 1.4	2.209	3.165	6.3	20.9
4 11	13 56.86	− 4 25.0	2.169	3.160	3.2	20.7
4 21	13 49.20	− 3 50.6	2.158	3.156	2.6	20.6
5 1	13 41.65	− 3 22.3	2.175	3.151	5.5	20.8
5 11	13 34.96	− 3 3.5	2.220	3.147	8.7	21.0
5 21	13 29.69	− 2 56.4	2.288	3.143	11.6	21.2
424154 2007 GW_{42}			4 19.5 37°.48		0°.5/19.2 17	
3 12	14 16.78	−11 5.6	1.635	2.448	16.4	21.1
3 22	14 12.96	−11 3.3	1.560	2.454	12.9	20.9
4 1	14 6.54	−10 50.8	1.505	2.461	8.7	20.6
4 11	13 58.21	−10 30.7	1.475	2.468	4.0	20.4
4 21	13 48.97	−10 6.8	1.472	2.476	1.0	20.2
5 1	13 39.99	− 9 44.2	1.494	2.484	5.7	20.5
5 11	13 32.36	− 9 27.9	1.543	2.492	10.1	20.8
5 21	13 26.85	− 9 21.5	1.614	2.501	14.0	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
96370 1997 XS_{5}			4 19.5 262°.54		2°.9/21.4 18	
	h m	° ′			°	m
3 12	14 19.74	−18 50.0	1.690	2.473	17.2	20.2
3 22	14 15.79	−19 8.1	1.583	2.454	14.1	19.9
4 1	14 8.88	−19 10.8	1.495	2.435	10.3	19.7
4 11	13 59.54	−18 57.2	1.431	2.414	6.0	19.4
4 21	13 48.71	−18 28.4	1.393	2.394	2.9	19.1
5 1	13 37.71	−17 48.4	1.382	2.373	5.8	19.2
5 11	13 27.91	−17 3.9	1.397	2.352	10.4	19.4
5 21	13 20.38	−16 22.3	1.434	2.330	14.8	19.6
302471 2002 FC_{7}			4 19.5 46°.56		4°.0/22.3 18	
3 12	14 23.31	−21 1.5	2.275	3.021	14.4	20.0
3 22	14 17.58	−22 6.8	2.185	3.028	11.9	19.8
4 1	14 9.49	−23 1.4	2.116	3.035	8.9	19.6
4 11	13 59.59	−23 43.4	2.075	3.042	5.9	19.5
4 21	13 48.73	−24 11.6	2.061	3.050	4.1	19.4
5 1	13 37.92	−24 26.9	2.077	3.058	5.2	19.4
5 11	13 28.17	−24 32.4	2.121	3.066	8.0	19.6
5 21	13 20.25	−24 32.3	2.191	3.074	10.9	19.8
206756 2004 CF_{5}			4 19.5 39°.74		1°.8/18.1 17	
3 12	14 14.34	− 8 4.1	1.921	2.735	14.3	20.1
3 22	14 10.61	− 7 41.7	1.845	2.742	11.1	19.9
4 1	14 4.72	− 7 11.7	1.791	2.749	7.4	19.7
4 11	13 57.29	− 6 37.9	1.764	2.756	3.5	19.5
4 21	13 49.14	− 6 4.7	1.763	2.764	2.2	19.4
5 1	13 41.22	− 5 37.0	1.790	2.772	5.7	19.6
5 11	13 34.42	− 5 18.7	1.842	2.780	9.5	19.9
5 21	13 29.38	− 5 12.6	1.919	2.789	12.8	20.1
522336 2016 CK_{291}			4 19.5 353°.43		5°.5/22.9 17	
3 12	14 15.60	−22 45.5	1.350	2.144	20.2	20.9
3 22	14 13.05	−23 30.4	1.268	2.140	16.8	20.7
4 1	14 7.22	−23 55.1	1.204	2.137	12.8	20.4
4 11	13 58.77	−23 56.8	1.161	2.135	8.5	20.2
4 21	13 48.86	−23 35.7	1.140	2.134	5.6	20.0
5 1	13 39.05	−22 55.7	1.144	2.133	7.1	20.1
5 11	13 30.86	−22 5.5	1.171	2.133	11.2	20.3
5 21	13 25.38	−21 14.3	1.219	2.134	15.5	20.5
102529 1999 UD_{4}			4 19.5 211°.00		0°.8/18.9 18	
3 12	14 19.59	−10 31.1	1.951	2.748	14.7	19.5
3 22	14 14.88	−10 18.1	1.856	2.743	11.6	19.2
4 1	14 7.75	− 9 55.7	1.784	2.737	7.8	19.0
4 11	13 58.80	− 9 26.5	1.738	2.730	3.6	18.7
4 21	13 48.88	− 8 54.2	1.719	2.723	1.3	18.5
5 1	13 39.04	− 8 23.6	1.729	2.715	5.5	18.8
5 11	13 30.32	− 7 59.6	1.766	2.707	9.6	19.0
5 21	13 23.50	− 7 45.7	1.827	2.698	13.3	19.2
234976 2002 YW_{24}			4 19.6 110°.87		2°.2/21.1 18	
3 12	14 20.00	−18 47.3	1.499	2.290	18.7	20.4
3 22	14 15.78	−18 42.8	1.426	2.303	15.0	20.2
4 1	14 8.59	−18 19.2	1.372	2.315	10.6	20.0
4 11	13 59.21	−17 37.8	1.342	2.328	5.8	19.7
4 21	13 48.82	−16 42.4	1.337	2.339	2.2	19.5
5 1	13 38.80	−15 40.1	1.358	2.351	5.6	19.8
5 11	13 30.42	−14 39.3	1.406	2.362	10.3	20.1
5 21	13 24.49	−13 47.3	1.476	2.372	14.4	20.3
377640 2005 TP_{124}			4 19.6 256°.64		0°.7/20.1 17	
3 12	14 16.04	−15 14.2	1.872	2.666	15.4	22.1
3 22	14 12.31	−15 3.7	1.773	2.656	12.2	21.9
4 1	14 6.14	−14 39.5	1.697	2.645	8.5	21.6
4 11	13 58.08	−14 3.3	1.645	2.635	4.3	21.4
4 21	13 49.00	−13 18.5	1.619	2.624	0.8	21.1
5 1	13 39.96	−12 30.3	1.622	2.613	5.1	21.4
5 11	13 32.03	−11 45.1	1.651	2.602	9.4	21.6
5 21	13 26.01	−11 8.1	1.703	2.590	13.3	21.8
518996 2010 JB_{58}			4 19.6 264°.61		0°.8/18.8 16	
3 12	14 12.93	−10 50.7	2.495	3.291	11.9	22.0
3 22	14 9.19	−10 27.4	2.391	3.277	9.3	21.8
4 1	14 3.65	− 9 55.7	2.310	3.263	6.3	21.6
4 11	13 56.80	− 9 18.1	2.257	3.250	2.9	21.3
4 21	13 49.23	− 8 37.9	2.232	3.236	1.1	21.2
5 1	13 41.70	− 7 59.2	2.236	3.222	4.5	21.4
5 11	13 34.95	− 7 26.2	2.268	3.207	7.9	21.6
5 21	13 29.54	− 7 2.0	2.325	3.193	11.0	21.7
122254 2000 OW_{39}			4 19.6 264°.33		4°.3/15.3 18	
3 12	14 13.42	− 4 18.8	1.953	2.774	13.8	19.8
3 22	14 10.08	− 2 59.9	1.855	2.756	10.8	19.5
4 1	14 4.53	− 1 31.4	1.780	2.737	7.4	19.3
4 11	13 57.29	+ 0 0.3	1.732	2.718	4.7	19.1
4 21	13 49.14	+ 1 27.7	1.711	2.699	5.0	19.0
5 1	13 41.02	+ 2 42.9	1.718	2.679	8.1	19.2
5 11	13 33.87	+ 3 39.7	1.751	2.659	11.8	19.4
5 21	13 28.42	+ 4 14.9	1.805	2.639	15.1	19.5

341408 2007 TZ_{168} 4 19.6 194°.76 1°.2/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 13.03	−18 14.1	2.278	3.055	13.5	20.9
3 22	14 9.41	−17 47.4	2.184	3.055	10.8	20.7
4 1	14 3.85	−17 6.3	2.112	3.054	7.5	20.5
4 11	13 56.89	−16 12.6	2.066	3.052	4.0	20.3
4 21	13 49.22	−15 10.0	2.047	3.051	1.2	20.1
5 1	13 41.70	−14 3.4	2.058	3.050	4.1	20.3
5 11	13 35.11	−12 58.8	2.097	3.048	7.7	20.5
5 21	13 30.06	−12 1.3	2.161	3.046	11.0	20.7

380135 1999 RL_{7} 4 19.6 177°.58 1°.8/21.3 17

3 12	14 18.02	−18 24.1	2.556	3.315	12.6	22.1
3 22	14 13.08	−18 29.5	2.459	3.317	10.2	21.9
4 1	14 6.23	−18 23.7	2.385	3.319	7.3	21.7
4 11	13 57.99	−18 7.3	2.337	3.320	4.1	21.5
4 21	13 49.04	−17 41.8	2.319	3.320	1.8	21.4
5 1	13 40.19	−17 10.5	2.330	3.320	3.9	21.5
5 11	13 32.22	−16 37.4	2.370	3.319	7.1	21.7
5 21	13 25.75	−16 6.7	2.436	3.318	10.0	21.9

176222 2001 QK_{107} 4 19.6 350°.85 13°.4/ 1.0 18

3 12	14 12.63	−40 46.8	1.134	1.864	26.8	19.8
3 22	14 12.04	−41 40.1	1.057	1.861	24.2	19.6
4 1	14 7.24	−41 51.8	0.991	1.859	21.0	19.4
4 11	13 58.98	−41 12.2	0.940	1.857	17.6	19.1
4 21	13 48.84	−39 36.1	0.907	1.856	14.6	19.0
5 1	13 38.98	−37 7.3	0.893	1.855	13.3	18.9
5 11	13 31.49	−34 1.8	0.901	1.855	14.6	18.9
5 21	13 27.60	−30 41.7	0.929	1.856	17.8	19.1

34535 2000 SR_{220} 4 19.6 347°.35 6°.3/14.6 17

3 12	14 16.04	+ 3 2.0	1.736	2.565	14.9	18.7
3 22	14 12.19	+ 3 54.6	1.663	2.563	11.9	18.5
4 1	14 5.92	+ 4 47.1	1.612	2.562	8.7	18.3
4 11	13 57.91	+ 5 32.4	1.586	2.561	6.5	18.1
4 21	13 49.06	+ 6 3.8	1.585	2.560	7.0	18.2
5 1	13 40.44	+ 6 16.2	1.611	2.559	9.6	18.3
5 11	13 33.07	+ 6 7.0	1.660	2.559	12.8	18.5
5 21	13 27.64	+ 5 36.9	1.730	2.558	15.9	18.7

165716 2001 QN_{42} 4 19.6 145°.87 3°.3/23.1 18

3 12	14 16.35	−23 59.5	2.661	3.397	12.7	20.2
3 22	14 11.74	−24 10.9	2.569	3.406	10.5	20.1
4 1	14 5.30	−24 8.8	2.499	3.413	7.9	19.9
4 11	13 57.53	−23 52.8	2.454	3.421	5.2	19.8
4 21	13 49.12	−23 24.2	2.438	3.428	3.4	19.6
5 1	13 40.85	−22 45.8	2.450	3.435	4.3	19.7
5 11	13 33.46	−22 2.0	2.491	3.441	6.7	19.9
5 21	13 27.53	−21 17.6	2.559	3.447	9.4	20.0

210411 2007 WN_{58} 4 19.6 141°.62 0°.4/19.9 17

3 12	14 13.93	−14 36.3	2.365	3.151	12.8	21.8
3 22	14 9.97	−14 18.8	2.277	3.155	10.1	21.6
4 1	14 4.15	−13 50.6	2.212	3.159	6.9	21.4
4 11	13 57.01	−13 13.8	2.173	3.163	3.3	21.2
4 21	13 49.22	−12 31.6	2.162	3.167	0.6	21.0
5 1	13 41.59	−11 48.1	2.180	3.170	4.1	21.3
5 11	13 34.87	−11 8.0	2.226	3.173	7.6	21.5
5 21	13 29.62	−10 35.1	2.297	3.176	10.7	21.7

248344 2005 QE_{107} 4 19.6 232°.25 5°.6/24.7 18

3 12	14 20.47	−30 0.6	2.861	3.551	12.9	21.1
3 22	14 15.20	−30 52.7	2.747	3.541	11.1	20.9
4 1	14 7.84	−31 31.7	2.654	3.530	9.0	20.8
4 11	13 58.85	−31 55.0	2.587	3.519	7.0	20.6
4 21	13 48.90	−32 1.4	2.547	3.507	5.7	20.5
5 1	13 38.83	−31 51.6	2.535	3.495	5.9	20.5
5 11	13 29.54	−31 28.6	2.552	3.483	7.5	20.6
5 21	13 21.74	−30 57.0	2.595	3.470	9.7	20.7

11898 Dedeyn 4 19.6 21°.05 1°.1/18.5 18

3 12	14 11.95	−10 21.1	2.089	2.898	13.5	17.9
3 22	14 8.63	− 9 54.2	2.008	2.902	10.5	17.7
4 1	14 3.35	− 9 18.2	1.949	2.906	7.0	17.5
4 11	13 56.66	− 8 36.5	1.917	2.910	3.2	17.3
4 21	13 49.29	− 7 53.3	1.911	2.915	1.5	17.1
5 1	13 42.11	− 7 13.4	1.934	2.920	5.1	17.4
5 11	13 35.91	− 6 41.4	1.983	2.925	8.7	17.6
5 21	13 31.29	− 6 20.4	2.056	2.931	11.9	17.8

143410 2003 BJ_{47} 4 19.6 45°.39 16°.7/11.0 18

3 12	14 23.63	−55 34.0	1.780	2.331	23.4	18.9
3 22	14 20.67	−57 20.8	1.712	2.342	22.2	18.8
4 1	14 13.14	−58 35.2	1.654	2.354	20.8	18.7
4 11	14 1.80	−59 8.2	1.608	2.366	19.4	18.6
4 21	13 48.38	−58 53.3	1.577	2.378	18.0	18.5
5 1	13 35.30	−57 49.1	1.562	2.391	17.1	18.5
5 11	13 24.86	−56 1.9	1.566	2.404	16.7	18.5
5 21	13 18.40	−53 43.3	1.589	2.417	17.1	18.5

423436 2005 QZ_{180} 4 19.6 173°.25 7°.2/27.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 20.17	−35 28.3	2.404	3.075	15.5	22.1
3 22	14 15.30	−36 0.2	2.306	3.078	13.6	21.9
4 1	14 8.02	−36 11.7	2.226	3.081	11.3	21.8
4 11	13 58.93	−35 59.8	2.169	3.083	9.1	21.6
4 21	13 48.90	−35 23.9	2.137	3.085	7.5	21.5
5 1	13 39.00	−34 25.9	2.133	3.086	7.3	21.5
5 11	13 30.25	−33 11.6	2.154	3.086	8.7	21.6
5 21	13 23.42	−31 48.6	2.202	3.085	10.9	21.7

81768 2000 JY_{67} 4 19.6 177°.93 4°.6/14.8 18

3 12	14 14.42	+ 1 30.9	2.395	3.209	11.8	19.9
3 22	14 10.23	+ 2 20.0	2.316	3.210	9.3	19.8
4 1	14 4.26	+ 3 10.1	2.262	3.211	6.7	19.6
4 11	13 57.04	+ 3 55.9	2.234	3.211	4.8	19.5
4 21	13 49.24	+ 4 33.0	2.235	3.211	5.1	19.5
5 1	13 41.59	+ 4 57.0	2.263	3.211	7.3	19.6
5 11	13 34.84	+ 5 5.7	2.318	3.211	9.9	19.8
5 21	13 29.50	+ 4 58.3	2.395	3.210	12.4	20.0

323370 2003 WH_{93} 4 19.6 145°.12 1°.0/20.5 18

3 12	14 19.62	−16 55.6	2.218	2.988	14.0	22.5
3 22	14 14.45	−16 37.0	2.135	3.002	11.1	22.3
4 1	14 7.18	−16 5.2	2.074	3.015	7.7	22.1
4 11	13 58.43	−15 22.2	2.040	3.027	4.0	21.9
4 21	13 49.01	−14 31.2	2.035	3.039	1.0	21.7
5 1	13 39.83	−13 37.1	2.059	3.049	4.3	22.0
5 11	13 31.77	−12 45.4	2.112	3.058	7.9	22.2
5 21	13 25.43	−12 0.8	2.190	3.067	11.2	22.4

264963 2002 XH_{119} 4 19.6 67°.03 5°.2/15.9 18

3 12	14 19.30	− 0 30.0	1.543	2.371	16.5	21.0
3 22	14 14.69	+ 0 16.8	1.492	2.394	12.8	20.8
4 1	14 7.50	+ 1 5.3	1.462	2.417	8.9	20.6
4 11	13 58.58	+ 1 48.5	1.456	2.440	5.8	20.5
4 21	13 49.00	+ 2 20.1	1.477	2.463	5.8	20.6
5 1	13 39.96	+ 2 34.9	1.524	2.486	8.8	20.8
5 11	13 32.47	+ 2 30.8	1.594	2.509	12.3	21.0
5 21	13 27.17	+ 2 8.0	1.687	2.532	15.5	21.3

412449 2014 GH_{5} 4 19.6 53°.71 0°.3/19.2 17

3 12	14 12.24	−12 39.6	2.313	3.109	12.7	21.2
3 22	14 8.69	−12 14.4	2.227	3.113	9.9	21.0
4 1	14 3.30	−11 39.4	2.165	3.117	6.7	20.8
4 11	13 56.62	−10 57.1	2.128	3.121	3.1	20.6
4 21	13 49.32	−10 11.3	2.120	3.125	0.7	20.4
5 1	13 42.17	− 9 26.4	2.141	3.129	4.4	20.7
5 11	13 35.92	− 8 47.0	2.188	3.133	7.9	20.9
5 21	13 31.13	− 8 16.7	2.261	3.137	10.9	21.1

173912 2001 VT_{36} 4 19.6 124°.03 0°.5/19.0 18

3 12	14 14.11	−11 33.9	2.699	3.486	11.3	21.5
3 22	14 9.77	−11 10.8	2.618	3.499	8.8	21.3
4 1	14 3.84	−10 40.0	2.562	3.512	5.9	21.1
4 11	13 56.82	−10 3.9	2.533	3.525	2.7	20.9
4 21	13 49.30	− 9 25.7	2.533	3.537	0.8	20.8
5 1	13 41.97	− 8 49.0	2.563	3.549	4.0	21.1
5 11	13 35.46	− 8 17.3	2.621	3.560	7.0	21.3
5 21	13 30.24	− 7 53.3	2.705	3.571	9.7	21.5

353874 2012 WX_{15} 4 19.6 204°.30 3°.9/15.6 18

3 12	14 15.17	+ 0 5.6	2.540	3.348	11.4	20.9
3 22	14 10.75	+ 0 43.9	2.453	3.345	8.9	20.8
4 1	14 4.60	+ 1 23.7	2.391	3.341	6.3	20.6
4 11	13 57.22	+ 2 0.7	2.356	3.337	4.2	20.5
4 21	13 49.23	+ 2 30.8	2.349	3.332	4.3	20.5
5 1	13 41.37	+ 2 50.4	2.372	3.327	6.5	20.6
5 11	13 34.33	+ 2 56.8	2.421	3.322	9.2	20.7
5 21	13 28.65	+ 2 49.2	2.494	3.317	11.8	20.9

144806 2004 HC_{61} 4 19.6 309°.79 0°.7/18.9 17

3 12	14 10.87	−12 31.5	1.987	2.796	14.1	20.0
3 22	14 8.14	−11 56.0	1.883	2.776	11.1	19.8
4 1	14 3.26	−11 7.6	1.801	2.756	7.5	19.5
4 11	13 56.74	−10 9.2	1.744	2.737	3.5	19.2
4 21	13 49.30	− 9 5.5	1.714	2.718	1.2	19.0
5 1	13 41.86	− 8 2.7	1.712	2.699	5.4	19.3
5 11	13 35.36	− 7 7.3	1.736	2.681	9.5	19.5
5 21	13 30.51	− 6 24.1	1.783	2.663	13.2	19.7

410264 2007 TR_{133} 4 19.6 196°.65 1°.1/18.8 16

3 12	14 21.06	− 9 27.3	1.840	2.641	15.3	21.6
3 22	14 16.15	− 9 18.6	1.751	2.639	12.1	21.4
4 1	14 8.68	− 9 1.4	1.683	2.636	8.1	21.1
4 11	13 59.28	− 8 38.4	1.641	2.633	3.8	20.8
4 21	13 48.88	− 8 13.4	1.626	2.630	1.5	20.7
5 1	13 38.61	− 7 51.0	1.640	2.626	5.8	20.9
5 11	13 29.56	− 7 35.9	1.681	2.621	10.1	21.2
5 21	13 22.54	− 7 31.3	1.745	2.616	13.9	21.4

363265 2002 EL_{150} 4 19.6 347°.85 0°.9/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 13.07	−11 33.4	1.229	2.067	19.3	20.5
3 22	14 11.03	−11 16.9	1.152	2.061	15.2	20.2
4 1	14 5.80	−10 45.1	1.093	2.056	10.3	19.9
4 11	13 58.10	−10 1.8	1.057	2.051	4.8	19.6
4 21	13 49.07	− 9 13.3	1.044	2.048	1.5	19.3
5 1	13 40.23	− 8 27.6	1.055	2.045	7.1	19.7
5 11	13 33.00	− 7 52.8	1.088	2.044	12.6	20.0
5 21	13 28.37	− 7 34.5	1.141	2.043	17.3	20.3

342461 2008 UH_{119} 4 19.6 213°.59 1°.4/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.07	−16 53.1	2.192	2.971	13.9	21.6
3 22	14 11.93	−16 51.6	2.096	2.967	11.1	21.4
4 1	14 5.66	−16 37.8	2.022	2.964	7.8	21.1
4 11	13 57.81	−16 12.8	1.973	2.960	4.2	20.9
4 21	13 49.14	−15 39.0	1.952	2.956	1.4	20.7
5 1	13 40.56	−15 0.5	1.960	2.951	4.3	20.9
5 11	13 32.95	−14 22.2	1.996	2.947	8.0	21.1
5 21	13 27.00	−13 48.7	2.056	2.942	11.4	21.3

212062 2005 EQ_{32} 4 19.6 17°.46 1°.2/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.17	−11 13.5	1.207	2.047	19.5	20.0
3 22	14 10.97	−10 51.3	1.141	2.051	15.2	19.8
4 1	14 5.63	−10 14.0	1.093	2.056	10.2	19.5
4 11	13 57.94	− 9 26.4	1.068	2.062	4.7	19.2
4 21	13 49.13	− 8 35.3	1.066	2.070	1.8	19.0
5 1	13 40.65	− 7 49.0	1.088	2.078	7.1	19.4
5 11	13 33.89	− 7 15.2	1.132	2.087	12.3	19.7
5 21	13 29.69	− 6 58.4	1.197	2.096	16.8	20.0

51098 2000 HS_{8} 4 19.6 231°.72 0°.9/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.38	−10 19.9	2.327	3.125	12.6	19.7
3 22	14 10.41	− 9 57.9	2.232	3.120	9.8	19.5
4 1	14 4.52	− 9 27.5	2.160	3.114	6.6	19.2
4 11	13 57.25	− 8 51.5	2.115	3.108	3.1	19.0
4 21	13 49.25	− 8 13.5	2.098	3.101	1.3	18.8
5 1	13 41.35	− 7 37.6	2.110	3.095	4.8	19.1
5 11	13 34.32	− 7 8.2	2.149	3.088	8.3	19.3
5 21	13 28.76	− 6 48.3	2.213	3.081	11.4	19.5

249628 1999 TQ_{62} 4 19.6 257°.50 0°.2/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.74	−11 51.2	2.622	3.411	11.6	21.4
3 22	14 9.75	−11 39.5	2.517	3.399	9.1	21.2
4 1	14 4.02	−11 19.9	2.436	3.386	6.2	21.0
4 11	13 57.00	−10 54.3	2.382	3.374	2.9	20.7
4 21	13 49.29	−10 25.3	2.357	3.361	0.6	20.5
5 1	13 41.62	− 9 56.4	2.361	3.348	4.1	20.8
5 11	13 34.68	− 9 31.2	2.393	3.335	7.4	20.9
5 21	13 29.05	− 9 12.7	2.451	3.322	10.3	21.1

351879 2006 ST_{111} 4 19.6 182°.28 6°.9/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.09	+10 14.8	2.526	3.336	11.4	20.6
3 22	14 9.89	+11 20.9	2.457	3.336	9.4	20.5
4 1	14 4.00	+12 22.5	2.412	3.337	7.7	20.4
4 11	13 56.93	+13 13.5	2.393	3.336	6.9	20.3
4 21	13 49.32	+13 49.2	2.402	3.336	7.5	20.4
5 1	13 41.89	+14 6.0	2.437	3.335	9.2	20.5
5 11	13 35.31	+14 2.7	2.496	3.334	11.2	20.6
5 21	13 30.11	+13 39.9	2.576	3.333	13.2	20.7

166650 2002 TN_{14} 4 19.6 92°.96 2°.1/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.44	− 8 19.8	2.204	3.012	12.9	20.1
3 22	14 9.56	− 7 28.3	2.133	3.027	9.9	19.9
4 1	14 3.84	− 6 28.9	2.086	3.042	6.6	19.7
4 11	13 56.86	− 5 26.0	2.065	3.057	3.2	19.5
4 21	13 49.34	− 4 24.7	2.073	3.072	2.5	19.5
5 1	13 42.07	− 3 30.4	2.110	3.087	5.5	19.7
5 11	13 35.80	− 2 47.4	2.173	3.101	8.8	19.9
5 21	13 31.04	− 2 18.3	2.260	3.115	11.7	20.2

196150 2002 TT_{337} 4 19.6 247°.05 2°.6/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.00	− 8 11.8	1.519	2.339	17.1	21.5
3 22	14 15.20	− 7 35.8	1.426	2.326	13.5	21.2
4 1	14 8.43	− 6 48.0	1.354	2.313	9.1	20.9
4 11	13 59.32	− 5 53.2	1.306	2.299	4.5	20.6
4 21	13 48.89	− 4 57.7	1.284	2.285	3.1	20.4
5 1	13 38.48	− 4 9.4	1.288	2.270	7.6	20.7
5 11	13 29.43	− 3 35.3	1.317	2.254	12.5	20.9
5 21	13 22.71	− 3 19.4	1.367	2.239	16.9	21.1

342787 2008 WA_{120} 4 19.6 244°.39 3°.7/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.72	−25 18.1	2.292	3.035	14.4	21.2
3 22	14 10.98	−25 13.3	2.183	3.023	12.0	21.0
4 1	14 5.09	−24 50.7	2.095	3.011	9.1	20.8
4 11	13 57.58	−24 9.8	2.031	2.999	6.0	20.6
4 21	13 49.20	−23 12.2	1.995	2.986	3.8	20.4
5 1	13 40.86	−22 2.1	1.986	2.973	4.8	20.5
5 11	13 33.46	−20 45.6	2.006	2.960	7.8	20.6
5 21	13 27.72	−19 29.6	2.051	2.946	11.0	20.8

211144 2002 GG_{104} 4 19.6 255°.32 5°.4/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 18.29	− 0 18.6	1.759	2.581	15.1	20.1
3 22	14 14.17	+ 0 34.1	1.665	2.565	11.9	19.9
4 1	14 7.48	+ 1 31.1	1.595	2.548	8.5	19.6
4 11	13 58.79	+ 2 25.9	1.549	2.531	5.8	19.4
4 21	13 49.00	+ 3 11.3	1.530	2.513	6.0	19.4
5 1	13 39.23	+ 3 40.9	1.537	2.495	9.1	19.5
5 11	13 30.62	+ 3 50.2	1.569	2.477	12.9	19.7
5 21	13 24.01	+ 3 38.2	1.622	2.458	16.4	19.9

211649 2003 UK_{220} 4 19.6 278°.83 1°.0/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.17	−14 29.8	1.593	2.397	17.2	20.8
3 22	14 14.59	−14 36.8	1.493	2.381	13.8	20.5
4 1	14 8.08	−14 30.6	1.414	2.364	9.7	20.3
4 11	13 59.20	−14 12.0	1.357	2.348	4.9	19.9
4 21	13 48.92	−13 43.8	1.326	2.331	1.1	19.6
5 1	13 38.54	−13 10.9	1.322	2.314	5.8	19.9
5 11	13 29.43	−12 39.7	1.343	2.297	10.8	20.1
5 21	13 22.60	−12 16.3	1.386	2.280	15.3	20.3

128779 2004 RQ_{200} 4 19.6 279°.00 1°.7/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.92	−15 10.3	1.945	2.730	15.2	19.4
3 22	14 15.48	−15 36.7	1.835	2.710	12.3	19.1
4 1	14 8.45	−15 53.3	1.747	2.690	8.7	18.9
4 11	13 59.31	−16 0.1	1.683	2.670	4.7	18.6
4 21	13 48.91	−15 58.1	1.647	2.650	1.7	18.3
5 1	13 38.35	−15 49.9	1.639	2.630	5.1	18.5
5 11	13 28.80	−15 39.8	1.658	2.610	9.4	18.7
5 21	13 21.18	−15 32.2	1.702	2.589	13.3	18.9

129459 1992 ED_{10} 4 19.6 49°.44 3°.6/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.87	− 6 14.4	1.651	2.481	15.5	19.2
3 22	14 9.71	− 5 7.0	1.589	2.495	12.0	19.0
4 1	14 4.22	− 3 50.9	1.550	2.510	8.0	18.8
4 11	13 57.11	− 2 33.1	1.535	2.525	4.4	18.6
4 21	13 49.32	− 1 21.0	1.546	2.541	4.2	18.6
5 1	13 41.89	− 0 22.0	1.585	2.557	7.5	18.9
5 11	13 35.75	+ 0 18.9	1.648	2.573	11.3	19.1
5 21	13 31.52	+ 0 39.6	1.732	2.589	14.6	19.4

427907 2005 UK_{229} 4 19.6 132°.18 0°.8/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.36	−11 48.0	2.027	2.825	14.2	22.3
3 22	14 12.11	−11 17.6	1.947	2.835	11.1	22.1
4 1	14 5.72	−10 36.5	1.890	2.843	7.4	21.9
4 11	13 57.82	− 9 48.0	1.859	2.852	3.4	21.7
4 21	13 49.20	− 8 56.6	1.856	2.860	1.2	21.5
5 1	13 40.82	− 8 7.6	1.881	2.867	5.1	21.8
5 11	13 33.55	− 7 26.3	1.934	2.875	8.9	22.0
5 21	13 28.02	− 6 56.3	2.010	2.882	12.3	22.2

57603 2001 TM_{102} 4 19.6 278°.00 7°.2/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.85	−31 21.1	1.851	2.577	17.9	18.8
3 22	14 12.70	−31 50.5	1.745	2.563	15.5	18.6
4 1	14 6.74	−31 57.1	1.657	2.549	12.6	18.4
4 11	13 58.54	−31 37.3	1.591	2.535	9.7	18.2
4 21	13 49.05	−30 50.0	1.549	2.520	7.5	18.0
5 1	13 39.52	−29 38.1	1.532	2.506	7.6	18.0
5 11	13 31.24	−28 9.2	1.541	2.491	10.0	18.1
5 21	13 25.17	−26 33.2	1.573	2.477	13.3	18.2

282841 2006 UW_{146} 4 19.6 250°.30 2°.7/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.36	−22 33.2	2.430	3.185	13.3	21.5
3 22	14 9.73	−22 22.7	2.322	3.174	10.9	21.3
4 1	14 4.15	−21 56.7	2.236	3.163	8.1	21.1
4 11	13 57.12	−21 15.5	2.176	3.151	5.0	20.9
4 21	13 49.31	−20 21.3	2.143	3.140	2.8	20.7
5 1	13 41.56	−19 18.1	2.139	3.128	4.2	20.8
5 11	13 34.67	−18 11.5	2.162	3.116	7.3	21.0
5 21	13 29.27	−17 7.2	2.212	3.104	10.5	21.1

36022 1999 NQ_{49} 4 19.6 305°.27 8°.8/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.03	+ 6 35.8	1.680	2.518	14.9	18.8
3 22	14 9.32	+ 8 18.3	1.601	2.502	12.2	18.5
4 1	14 4.19	+10 1.3	1.545	2.487	9.8	18.4
4 11	13 57.22	+11 34.7	1.514	2.471	8.8	18.3
4 21	13 49.30	+12 48.7	1.507	2.456	9.8	18.3
5 1	13 41.47	+13 35.7	1.524	2.441	12.4	18.4
5 11	13 34.80	+13 52.0	1.563	2.427	15.4	18.5
5 21	13 30.04	+13 38.1	1.621	2.413	18.3	18.7

290141 2005 QM_{161} 4 19.6 258°.18 0°.6/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.88	−14 11.8	2.669	3.445	11.7	21.4
3 22	14 11.48	−14 11.9	2.554	3.426	9.3	21.2
4 1	14 5.25	−14 3.4	2.463	3.407	6.5	21.0
4 11	13 57.63	−13 47.5	2.398	3.387	3.2	20.8
4 21	13 49.23	−13 26.1	2.363	3.367	0.7	20.5
5 1	13 40.78	−13 2.1	2.357	3.347	3.9	20.7
5 11	13 33.05	−12 39.0	2.380	3.326	7.2	20.9
5 21	13 26.64	−12 20.3	2.429	3.304	10.3	21.1

133471 2003 SN_{249} 4 19.6 252°.35 1°.4/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 16.76	−11 0.5	1.803	2.610	15.4	20.8
3 22	14 13.02	−10 21.1	1.701	2.593	12.1	20.6
4 1	14 6.73	− 9 28.3	1.620	2.576	8.2	20.3
4 11	13 58.47	− 8 25.9	1.565	2.558	3.8	20.0
4 21	13 49.08	− 7 19.2	1.537	2.540	1.9	19.8
5 1	13 39.68	− 6 15.4	1.536	2.521	6.3	20.0
5 11	13 31.38	− 5 21.5	1.562	2.501	10.8	20.2
5 21	13 25.04	− 4 42.6	1.610	2.481	14.8	20.4

500002 2011 PQ_{14} 4 19.6 146°.84 3°.0/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.75	− 4 23.4	2.629	3.438	11.0	22.2
3 22	14 8.01	− 3 20.9	2.550	3.445	8.5	22.0
4 1	14 2.71	− 2 13.3	2.495	3.450	5.8	21.8
4 11	13 56.33	− 1 5.2	2.469	3.456	3.4	21.7
4 21	13 49.47	− 0 1.4	2.471	3.461	3.4	21.7
5 1	13 42.76	+ 0 53.6	2.503	3.466	5.8	21.9
5 11	13 36.84	+ 1 36.1	2.562	3.471	8.5	22.0
5 21	13 32.17	+ 2 4.1	2.646	3.475	11.0	22.2

506376 2017 QY_{30} 4 19.6 130°.77 0°.5/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.69	−15 59.5	2.143	2.929	13.9	22.2
3 22	14 10.75	−15 29.4	2.059	2.937	11.0	22.0
4 1	14 4.79	−14 45.9	1.998	2.945	7.5	21.8
4 11	13 57.38	−13 51.5	1.962	2.952	3.7	21.6
4 21	13 49.30	−12 50.3	1.954	2.959	0.6	21.3
5 1	13 41.43	−11 47.8	1.976	2.966	4.4	21.6
5 11	13 34.59	−10 49.7	2.024	2.972	8.1	21.9
5 21	13 29.40	−10 0.9	2.098	2.979	11.5	22.1

499198 2009 SD_{361} 4 19.6 227°.60 2°.8/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 21.15	−19 12.2	2.208	2.967	14.4	21.9
3 22	14 16.08	−19 38.5	2.101	2.957	11.7	21.7
4 1	14 8.63	−19 53.0	2.015	2.946	8.6	21.5
4 11	13 59.33	−19 55.1	1.955	2.934	5.1	21.2
4 21	13 48.96	−19 45.2	1.924	2.922	2.8	21.0
5 1	13 38.53	−19 26.0	1.921	2.909	4.8	21.1
5 11	13 29.08	−19 1.8	1.946	2.896	8.3	21.3
5 21	13 21.41	−18 37.5	1.997	2.882	11.7	21.5

215245 2001 FW_{187} 4 19.6 144°.77 0°.1/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.35	−13 24.5	1.847	2.641	15.5	21.4
3 22	14 14.73	−13 13.6	1.766	2.649	12.3	21.2
4 1	14 7.66	−12 50.7	1.706	2.656	8.3	21.0
4 11	13 58.79	−12 18.2	1.671	2.662	4.0	20.7
4 21	13 49.07	−11 39.9	1.664	2.668	0.6	20.5
5 1	13 39.57	−11 0.8	1.685	2.674	5.1	20.8
5 11	13 31.33	−10 26.5	1.732	2.679	9.3	21.1
5 21	13 25.08	−10 1.4	1.804	2.684	13.0	21.3

374174 2004 WA_{8} 4 19.6 135°.31 2°.5/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.05	− 5 41.1	2.068	2.877	13.6	20.8
3 22	14 12.60	− 5 15.6	1.989	2.883	10.6	20.6
4 1	14 6.04	− 4 44.5	1.932	2.888	7.1	20.4
4 11	13 57.98	− 4 12.0	1.902	2.893	3.6	20.1
4 21	13 49.21	− 3 42.1	1.900	2.898	2.9	20.1
5 1	13 40.65	− 3 19.4	1.926	2.903	6.0	20.3
5 11	13 33.15	− 3 7.4	1.979	2.907	9.5	20.5
5 21	13 27.36	− 3 7.9	2.055	2.911	12.7	20.7

222364 2000 XJ_{31} 4 19.6 117°.31 1°.6/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.23	− 7 26.8	2.198	2.995	13.3	20.3
3 22	14 14.06	− 7 11.0	2.124	3.011	10.3	20.1
4 1	14 6.89	− 6 49.3	2.074	3.027	6.9	19.9
4 11	13 58.33	− 6 25.0	2.051	3.042	3.3	19.7
4 21	13 49.16	− 6 1.4	2.056	3.057	2.0	19.6
5 1	13 40.26	− 5 42.4	2.091	3.071	5.2	19.9
5 11	13 32.44	− 5 31.3	2.153	3.085	8.6	20.1
5 21	13 26.29	− 5 30.1	2.240	3.099	11.7	20.3

64927 2001 YG_{108} 4 19.6 198°.13 0°.8/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.92	−16 40.8	1.990	2.769	15.1	20.2
3 22	14 14.38	−16 16.1	1.893	2.766	12.0	20.0
4 1	14 7.45	−15 36.2	1.818	2.762	8.4	19.8
4 11	13 58.73	−14 43.0	1.768	2.757	4.2	19.5
4 21	13 49.08	−13 40.3	1.747	2.752	0.9	19.3
5 1	13 39.55	−12 33.9	1.755	2.745	4.9	19.5
5 11	13 31.14	−11 30.7	1.790	2.738	9.0	19.8
5 21	13 24.62	−10 36.6	1.850	2.729	12.8	20.0

178084 2006 SP_{170} 4 19.6 344°.50 1°.4/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.93	−15 19.2	1.310	2.133	19.2	20.3
3 22	14 11.66	−15 28.0	1.228	2.126	15.4	20.0
4 1	14 6.25	−15 20.4	1.165	2.120	10.8	19.7
4 11	13 58.37	−14 57.6	1.124	2.115	5.5	19.4
4 21	13 49.13	−14 23.1	1.106	2.110	1.4	19.1
5 1	13 40.00	−13 43.4	1.112	2.106	6.2	19.4
5 11	13 32.41	−13 6.2	1.142	2.103	11.5	19.7
5 21	13 27.38	−12 38.6	1.192	2.101	16.2	20.0

14795 Syoyou 4 19.6 306°.19 1°.1/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 13.37	−15 45.7	2.032	2.824	14.4	17.8
3 22	14 10.20	−15 44.1	1.920	2.801	11.5	17.6
4 1	14 4.76	−15 30.0	1.830	2.777	8.1	17.3
4 11	13 57.54	−15 4.5	1.764	2.753	4.2	17.0
4 21	13 49.27	−14 30.1	1.726	2.730	1.1	16.7
5 1	13 40.91	−13 50.9	1.715	2.706	4.7	16.9
5 11	13 33.46	−13 12.5	1.730	2.683	8.9	17.1
5 21	13 27.70	−12 39.9	1.770	2.661	12.7	17.3

1892 Lucienne 4 19.6 162°.24 8°.0/26.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 21.34	−33 11.7	1.965	2.666	17.7	16.6
3 22	14 16.82	−34 6.1	1.873	2.669	15.4	16.4
4 1	14 9.41	−34 39.2	1.800	2.672	12.8	16.3
4 11	13 59.77	−34 47.0	1.749	2.675	10.2	16.1
4 21	13 48.92	−34 27.6	1.722	2.677	8.3	16.0
5 1	13 38.14	−33 42.9	1.720	2.679	8.3	16.0
5 11	13 28.74	−32 39.3	1.745	2.681	10.0	16.1
5 21	13 21.63	−31 25.5	1.793	2.682	12.6	16.3

107401 2001 DS_{2} 4 19.6 352°.84 1°.3/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.68	−15 12.3	1.222	2.053	19.8	19.4
3 22	14 10.85	−15 20.1	1.145	2.047	15.9	19.1
4 1	14 5.78	−15 10.6	1.086	2.043	11.1	18.8
4 11	13 58.17	−14 45.2	1.048	2.039	5.7	18.5
4 21	13 49.19	−14 8.0	1.032	2.037	1.4	18.2
5 1	13 40.36	−13 25.8	1.041	2.035	6.4	18.5
5 11	13 33.16	−12 47.2	1.072	2.035	11.8	18.8
5 21	13 28.62	−12 19.3	1.124	2.036	16.6	19.1

312986 1999 TU_{47} 4 19.6 309°.57 1°.0/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.74	−11 23.2	1.357	2.188	18.2	21.0
3 22	14 11.58	−11 6.9	1.259	2.164	14.5	20.7
4 1	14 6.32	−10 35.8	1.181	2.141	9.9	20.4
4 11	13 58.50	− 9 53.0	1.124	2.118	4.7	20.0
4 21	13 49.12	− 9 3.7	1.092	2.096	1.5	19.7
5 1	13 39.58	− 8 15.6	1.084	2.074	7.2	20.0
5 11	13 31.38	− 7 37.0	1.099	2.053	12.7	20.2
5 21	13 25.64	− 7 14.3	1.134	2.032	17.7	20.4

503312 2016 AK_{125} 4 19.6 4°.07 5°.1/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.29	− 4 26.5	1.157	2.014	19.0	20.4
3 22	14 9.61	− 3 29.9	1.092	2.013	14.8	20.1
4 1	14 4.79	− 2 23.5	1.047	2.013	10.1	19.9
4 11	13 57.62	− 1 16.1	1.023	2.014	5.9	19.6
4 21	13 49.30	− 0 17.5	1.022	2.016	5.8	19.6
5 1	13 41.30	+ 0 23.0	1.044	2.020	9.9	19.9
5 11	13 34.97	+ 0 39.6	1.087	2.024	14.6	20.1
5 21	13 31.18	+ 0 30.7	1.148	2.030	18.8	20.4

425825 2011 EP_{12} 4 19.6 0°.93 3°.6/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.90	−17 25.5	1.406	2.213	18.9	19.9
3 22	14 13.86	−18 18.7	1.326	2.210	15.4	19.7
4 1	14 7.69	−18 58.3	1.264	2.209	11.2	19.4
4 11	13 59.05	−19 23.1	1.225	2.209	6.6	19.2
4 21	13 49.05	−19 33.0	1.210	2.210	3.6	19.0
5 1	13 39.15	−19 30.8	1.220	2.212	6.2	19.1
5 11	13 30.79	−19 22.1	1.254	2.215	10.7	19.4
5 21	13 24.97	−19 13.3	1.310	2.219	15.0	19.6

57759 2001 VW_{22} 4 19.6 92°.78 0°.6/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.89	−10 33.3	3.328	4.115	9.4	20.0
3 22	14 7.00	−10 13.5	3.249	4.131	7.3	19.9
4 1	14 1.88	− 9 48.0	3.196	4.147	4.8	19.7
4 11	13 55.93	− 9 19.0	3.171	4.163	2.2	19.6
4 21	13 49.61	− 8 49.0	3.176	4.179	0.8	19.5
5 1	13 43.44	− 8 20.5	3.210	4.195	3.3	19.7
5 11	13 37.90	− 7 56.3	3.274	4.211	5.8	19.9
5 21	13 33.36	− 7 38.2	3.363	4.226	8.0	20.0

391654 2007 WA_{21} 4 19.6 56°.45 5°.1/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.32	−27 59.5	2.168	2.900	15.4	20.8
3 22	14 11.45	−28 22.6	2.088	2.915	12.9	20.7
4 1	14 5.38	−28 27.4	2.029	2.931	10.1	20.5
4 11	13 57.72	−28 12.7	1.993	2.946	7.3	20.4
4 21	13 49.32	−27 39.6	1.983	2.962	5.3	20.3
5 1	13 41.14	−26 51.6	2.000	2.978	5.7	20.3
5 11	13 34.10	−25 54.5	2.044	2.994	7.9	20.5
5 21	13 28.85	−24 54.8	2.112	3.010	10.6	20.7

264549 2001 SP_{204} 4 19.6 165°.49 1°.1/18.6 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.11	−10 31.4	2.170	2.966	13.5	21.5
3 22	14 12.60	−10 0.0	2.085	2.971	10.5	21.3
4 1	14 6.04	− 9 19.2	2.022	2.975	7.0	21.1
4 11	13 58.01	− 8 32.3	1.986	2.979	3.3	20.9
4 21	13 49.28	− 7 43.5	1.979	2.982	1.5	20.8
5 1	13 40.73	− 6 57.9	2.001	2.984	5.1	21.0
5 11	13 33.20	− 6 20.2	2.050	2.986	8.8	21.2
5 21	13 27.31	− 5 53.8	2.123	2.988	12.0	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
111998 2002 GN_{133}			4 19.6 312°.11		1°.1/20.3 17	
	h m	° ′			°	m
3 12	14 13.65	−15 35.5	1.366	2.185	18.7	20.3
3 22	14 11.48	−15 30.9	1.272	2.168	15.1	20.0
4 1	14 6.21	−15 8.4	1.197	2.152	10.6	19.7
4 11	13 58.43	−14 29.4	1.144	2.136	5.4	19.4
4 21	13 49.18	−13 37.9	1.115	2.120	1.1	19.0
5 1	13 39.86	−12 40.9	1.111	2.105	6.3	19.3
5 11	13 31.96	−11 47.5	1.130	2.090	11.8	19.6
5 21	13 26.54	−11 5.4	1.170	2.076	16.7	19.8
462188 2007 UF_{11}			4 19.6 190°.45		5°.0/14.9 17	
3 12	14 18.24	− 0 26.1	2.037	2.851	13.6	21.8
3 22	14 13.60	+ 0 41.9	1.955	2.850	10.7	21.6
4 1	14 6.79	+ 1 53.8	1.897	2.848	7.6	21.4
4 11	13 58.39	+ 3 3.3	1.866	2.845	5.3	21.3
4 21	13 49.22	+ 4 3.7	1.862	2.842	5.6	21.3
5 1	13 40.23	+ 4 49.0	1.887	2.838	8.3	21.4
5 11	13 32.31	+ 5 15.6	1.937	2.833	11.4	21.6
5 21	13 26.13	+ 5 22.1	2.009	2.827	14.4	21.8
216591 Coetzee			4 19.6 209°.05		0°.8/20.3 17	
3 12	14 17.37	−16 21.4	2.060	2.842	14.6	21.3
3 22	14 13.11	−15 57.6	1.961	2.836	11.6	21.0
4 1	14 6.59	−15 19.4	1.885	2.830	8.1	20.8
4 11	13 58.35	−14 28.6	1.834	2.823	4.1	20.5
4 21	13 49.22	−13 29.0	1.811	2.815	0.8	20.3
5 1	13 40.18	−12 26.0	1.816	2.807	4.7	20.5
5 11	13 32.18	−11 26.1	1.850	2.798	8.8	20.8
5 21	13 25.97	−10 34.9	1.908	2.788	12.4	21.0
376957 2002 GN_{28}			4 19.6 206°.90		0°.6/20.1 17	
3 12	14 16.90	−14 43.7	2.199	2.982	13.7	22.5
3 22	14 12.58	−14 34.5	2.102	2.978	10.9	22.3
4 1	14 6.13	−14 14.1	2.028	2.974	7.5	22.0
4 11	13 58.11	−13 44.2	1.980	2.969	3.7	21.8
4 21	13 49.27	−13 7.6	1.960	2.964	0.7	21.5
5 1	13 40.51	−12 28.5	1.969	2.959	4.4	21.8
5 11	13 32.73	−11 51.8	2.005	2.953	8.2	22.0
5 21	13 26.59	−11 21.9	2.067	2.947	11.6	22.2
519166 2010 NN_{118}			4 19.6 246°.30		3°.6/23.5 17	
3 12	14 13.12	−25 2.2	2.431	3.174	13.6	20.9
3 22	14 9.54	−25 2.8	2.333	3.173	11.3	20.7
4 1	14 4.03	−24 47.3	2.256	3.172	8.6	20.6
4 11	13 57.09	−24 15.6	2.204	3.170	5.7	20.4
4 21	13 49.44	−23 29.4	2.178	3.169	3.7	20.2
5 1	13 41.89	−22 32.3	2.181	3.167	4.5	20.3
5 11	13 35.24	−21 29.7	2.212	3.166	7.2	20.5
5 21	13 30.12	−20 27.3	2.268	3.165	10.1	20.6
86095 1999 RZ_{100}			4 19.6 255°.30		2°.7/22.7 18	
3 12	14 12.05	−23 36.8	2.540	3.290	13.0	19.5
3 22	14 8.62	−23 14.8	2.433	3.280	10.6	19.3
4 1	14 3.37	−22 36.6	2.347	3.271	7.9	19.1
4 11	13 56.78	−21 42.7	2.287	3.261	4.9	18.9
4 21	13 49.50	−20 35.6	2.255	3.251	2.7	18.7
5 1	13 42.29	−19 19.8	2.252	3.242	4.0	18.8
5 11	13 35.92	−18 0.9	2.277	3.232	7.0	19.0
5 21	13 30.96	−16 45.0	2.329	3.221	10.0	19.1
106356 2000 VX_{4}			4 19.6 167°.57		1°.4/17.7 18	
3 12	14 12.81	− 7 42.5	3.287	4.077	9.4	21.5
3 22	14 8.54	− 7 9.5	3.198	4.082	7.3	21.3
4 1	14 2.96	− 6 31.6	3.134	4.087	4.8	21.1
4 11	13 56.47	− 5 51.3	3.099	4.090	2.4	21.0
4 21	13 49.57	− 5 11.6	3.094	4.094	1.7	20.9
5 1	13 42.77	− 4 35.6	3.120	4.097	4.0	21.1
5 11	13 36.61	− 4 6.0	3.174	4.099	6.5	21.3
5 21	13 31.48	− 3 44.8	3.255	4.101	8.7	21.4
392405 2010 LE_{40}			4 19.6 269°.08		1°.7/21.4 17	
3 12	14 12.92	−18 37.9	2.482	3.253	12.7	21.3
3 22	14 9.27	−18 32.4	2.383	3.248	10.2	21.1
4 1	14 3.80	−18 14.7	2.306	3.244	7.3	20.9
4 11	13 56.98	−17 45.7	2.256	3.239	4.1	20.7
4 21	13 49.47	−17 7.8	2.233	3.235	1.7	20.5
5 1	13 42.04	−16 24.5	2.239	3.230	3.9	20.7
5 11	13 35.44	−15 40.4	2.273	3.226	7.1	20.8
5 21	13 30.25	−15 0.0	2.332	3.221	10.1	21.0
365089 2009 BS_{110}			4 19.6 70°.51		2°.5/21.2 18	
3 12	14 21.47	−17 42.6	1.414	2.211	19.3	21.5
3 22	14 17.07	−18 2.5	1.350	2.230	15.5	21.2
4 1	14 9.56	−18 5.4	1.305	2.249	11.0	21.0
4 11	13 59.80	−17 51.7	1.282	2.268	6.1	20.8
4 21	13 49.03	−17 24.1	1.285	2.287	2.5	20.6
5 1	13 38.72	−16 48.3	1.314	2.306	5.8	20.9
5 11	13 30.17	−16 11.7	1.368	2.325	10.3	21.2
5 21	13 24.22	−15 41.0	1.444	2.344	14.5	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
306415 1997 YL_{11}			4 19.6 34°.21		0°.5/19.3 14 C	
	h m	° ′			°	m
3 12	14 24.10	−10 39.5	1.017	1.853	22.6	20.1
3 22	14 19.15	−10 48.9	0.993	1.899	17.4	19.9
4 1	14 10.70	−10 44.9	0.986	1.946	11.5	19.7
4 11	14 0.11	−10 31.7	1.000	1.994	5.2	19.5
4 21	13 49.04	−10 14.7	1.038	2.043	1.1	19.4
5 1	13 39.14	−10 0.2	1.100	2.092	6.8	19.9
5 11	13 31.65	− 9 53.9	1.186	2.141	11.8	20.3
5 21	13 27.14	− 9 58.6	1.292	2.191	15.9	20.7
305406 2008 CH_{91}			4 19.6 226°.48		2°.9/22.6 17	
3 12	14 14.94	−22 7.2	2.659	3.406	12.5	21.2
3 22	14 10.79	−22 17.4	2.554	3.400	10.2	21.0
4 1	14 4.82	−22 15.0	2.471	3.393	7.6	20.9
4 11	13 57.48	−22 0.0	2.414	3.387	4.8	20.7
4 21	13 49.41	−21 33.5	2.385	3.380	2.9	20.5
5 1	13 41.38	−20 58.3	2.385	3.373	4.1	20.6
5 11	13 34.14	−20 18.5	2.414	3.365	6.8	20.8
5 21	13 28.30	−19 38.5	2.468	3.358	9.6	20.9
72103 2000 YK_{52}			4 19.6 155°.60		1°.6/20.9 18	
3 12	14 19.50	−17 52.9	1.943	2.719	15.5	20.2
3 22	14 14.82	−17 43.0	1.857	2.727	12.4	20.0
4 1	14 7.74	−17 18.1	1.793	2.734	8.7	19.7
4 11	13 58.89	−16 39.5	1.754	2.740	4.7	19.5
4 21	13 49.19	−15 50.4	1.742	2.746	1.6	19.3
5 1	13 39.70	−14 56.1	1.759	2.750	4.7	19.5
5 11	13 31.43	−14 2.9	1.804	2.755	8.7	19.8
5 21	13 25.11	−13 16.5	1.873	2.758	12.4	20.0
104508 2000 GM_{41}			4 19.6 318°.57		0°.0/19.6 17	
3 12	14 13.90	−14 48.1	1.654	2.462	16.5	19.8
3 22	14 10.88	−14 14.5	1.568	2.460	13.0	19.6
4 1	14 5.31	−13 24.4	1.503	2.457	8.9	19.3
4 11	13 57.82	−12 21.0	1.462	2.455	4.2	19.1
4 21	13 49.36	−11 10.0	1.447	2.452	0.7	18.8
5 1	13 41.07	− 9 58.6	1.460	2.450	5.6	19.1
5 11	13 34.03	− 8 54.8	1.497	2.448	10.2	19.4
5 21	13 29.05	− 8 4.6	1.557	2.446	14.3	19.6
498566 2008 KM_{22}			4 19.6 262°.93		2°.3/17.6 17	
3 12	14 14.44	− 8 51.3	1.853	2.667	14.7	22.1
3 22	14 11.05	− 8 3.4	1.758	2.655	11.5	21.9
4 1	14 5.32	− 7 4.2	1.685	2.643	7.7	21.6
4 11	13 57.82	− 5 58.2	1.638	2.631	3.8	21.3
4 21	13 49.36	− 4 51.5	1.618	2.618	2.7	21.2
5 1	13 40.97	− 3 50.9	1.626	2.606	6.5	21.4
5 11	13 33.65	− 3 2.8	1.659	2.593	10.7	21.6
5 21	13 28.15	− 2 31.2	1.715	2.580	14.4	21.8
170989 2005 CV_{62}			4 19.6 174°.85		0°.8/18.9 16	
3 12	14 20.06	−11 13.8	2.025	2.818	14.4	20.9
3 22	14 15.11	−10 52.4	1.937	2.821	11.3	20.7
4 1	14 7.87	−10 20.9	1.872	2.823	7.6	20.5
4 11	13 58.94	− 9 42.2	1.833	2.825	3.5	20.2
4 21	13 49.19	− 9 0.3	1.822	2.826	1.2	20.0
5 1	13 39.61	− 8 20.1	1.841	2.827	5.2	20.3
5 11	13 31.16	− 7 46.8	1.886	2.826	9.2	20.5
5 21	13 24.54	− 7 24.0	1.957	2.825	12.7	20.8
408177 2013 CX_{221}			4 19.6 339°.83		5°.9/15.5 14 C	
3 12	14 12.59	− 3 48.1	1.174	2.029	18.9	21.3
3 22	14 10.70	− 2 32.6	1.104	2.022	14.8	21.1
4 1	14 5.62	− 1 5.8	1.052	2.017	10.3	20.8
4 11	13 58.10	+ 0 22.4	1.023	2.012	6.5	20.6
4 21	13 49.32	+ 1 40.6	1.017	2.008	6.8	20.6
5 1	13 40.77	+ 2 37.9	1.034	2.004	10.9	20.8
5 11	13 33.86	+ 3 7.4	1.072	2.001	15.5	21.0
5 21	13 29.54	+ 3 7.3	1.128	1.999	19.8	21.3
520201 2014 DG_{150}			4 19.6 158°.37		2°.2/17.6 18	
3 12	14 15.14	− 5 45.7	2.405	3.209	12.1	21.3
3 22	14 10.87	− 5 22.8	2.320	3.212	9.4	21.1
4 1	14 4.79	− 4 55.2	2.259	3.214	6.3	20.9
4 11	13 57.43	− 4 26.1	2.225	3.215	3.2	20.7
4 21	13 49.44	− 3 59.3	2.219	3.217	2.5	20.6
5 1	13 41.60	− 3 38.2	2.242	3.219	5.3	20.8
5 11	13 34.64	− 3 26.1	2.293	3.220	8.4	21.0
5 21	13 29.11	− 3 24.8	2.368	3.221	11.3	21.2
75240 1999 WH_{11}			4 19.6 7°.85		6°.4/16.2 18	
3 12	14 17.27	+ 1 9.9	1.236	2.083	18.6	17.7
3 22	14 14.11	+ 1 38.5	1.171	2.083	14.8	17.5
4 1	14 7.77	+ 2 7.1	1.126	2.085	10.5	17.2
4 11	13 59.04	+ 2 28.0	1.103	2.087	7.0	17.0
4 21	13 49.18	+ 2 34.0	1.103	2.091	6.9	17.0
5 1	13 39.67	+ 2 19.9	1.126	2.095	10.3	17.2
5 11	13 31.88	+ 1 43.7	1.172	2.101	14.6	17.5
5 21	13 26.70	+ 0 47.1	1.237	2.107	18.5	17.7

419898 2011 AO_{65} 4 19.6 123°.13 2°.6/17.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 17.98	− 6 7.7	2.093	2.899	13.6	22.6
3 22	14 13.20	− 5 25.8	2.023	2.915	10.5	22.4
4 1	14 6.38	− 4 37.7	1.975	2.930	7.0	22.2
4 11	13 58.16	− 3 47.8	1.955	2.945	3.7	22.0
4 21	13 49.34	− 3 1.2	1.963	2.960	3.0	22.0
5 1	13 40.81	− 2 22.8	2.000	2.974	6.1	22.2
5 11	13 33.39	− 1 56.4	2.063	2.987	9.4	22.5
5 21	13 27.67	− 1 44.1	2.151	3.000	12.5	22.7

305280 2007 YH_{63} 4 19.6 234°.28 3°.7/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.55	−24 59.3	2.539	3.277	13.2	21.4
3 22	14 10.63	−25 8.1	2.434	3.271	11.0	21.2
4 1	14 4.78	−25 2.0	2.351	3.264	8.4	21.0
4 11	13 57.49	−24 40.5	2.292	3.256	5.7	20.8
4 21	13 49.43	−24 4.7	2.260	3.249	3.8	20.7
5 1	13 41.41	−23 17.5	2.257	3.242	4.6	20.7
5 11	13 34.25	−22 23.8	2.282	3.234	7.1	20.9
5 21	13 28.56	−21 29.0	2.333	3.226	10.0	21.0

133165 2003 QZ_{36} 4 19.6 253°.89 1°.1/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.27	−11 45.9	1.826	2.629	15.3	20.9
3 22	14 13.46	−11 8.9	1.720	2.610	12.1	20.6
4 1	14 7.10	−10 18.2	1.636	2.591	8.2	20.3
4 11	13 58.73	− 9 16.8	1.578	2.571	3.9	20.0
4 21	13 49.21	− 8 10.1	1.546	2.550	1.6	19.8
5 1	13 39.64	− 7 4.9	1.542	2.528	6.1	20.0
5 11	13 31.14	− 6 8.5	1.565	2.506	10.7	20.2
5 21	13 24.58	− 5 26.2	1.611	2.483	14.8	20.4

498604 2008 RZ_{46} 4 19.6 202°.71 0°.3/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.95	−13 10.7	2.186	2.979	13.5	22.2
3 22	14 11.02	−12 43.3	2.093	2.976	10.6	22.0
4 1	14 5.06	−12 4.5	2.023	2.974	7.2	21.8
4 11	13 57.62	−11 17.2	1.979	2.970	3.4	21.6
4 21	13 49.42	−10 25.1	1.963	2.967	0.7	21.4
5 1	13 41.35	− 9 33.4	1.975	2.963	4.7	21.6
5 11	13 34.23	− 8 47.3	2.016	2.960	8.4	21.9
5 21	13 28.71	− 8 10.9	2.080	2.955	11.8	22.1

11862 1988 XB_{2} 4 19.6 207°.95 1°.0/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.17	−16 7.4	2.060	2.839	14.7	19.4
3 22	14 14.56	−15 58.8	1.961	2.833	11.7	19.1
4 1	14 7.62	−15 37.2	1.884	2.827	8.2	18.9
4 11	13 58.89	−15 3.8	1.832	2.820	4.2	18.6
4 21	13 49.22	−14 21.5	1.808	2.812	1.1	18.4
5 1	13 39.60	−13 34.9	1.813	2.804	4.7	18.6
5 11	13 31.05	−12 49.8	1.846	2.795	8.7	18.9
5 21	13 24.32	−12 11.3	1.903	2.785	12.4	19.1

376816 2000 YP_{64} 4 19.6 92°.19 15°.6/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 23.73	−43 32.6	1.215	1.906	27.2	20.5
3 22	14 21.03	−45 11.2	1.150	1.917	24.7	20.4
4 1	14 13.57	−46 12.8	1.096	1.928	22.0	20.2
4 11	14 2.18	−46 26.3	1.056	1.938	19.1	20.0
4 21	13 48.68	−45 44.6	1.033	1.949	16.7	19.9
5 1	13 35.60	−44 8.7	1.029	1.960	15.6	19.9
5 11	13 25.30	−41 51.1	1.045	1.970	16.3	19.9
5 21	13 19.12	−39 10.8	1.080	1.980	18.3	20.1

32475 2000 SD_{234} 4 19.6 280°.41 2°.0/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.06	−21 27.8	4.461	5.190	8.0	18.2
3 22	14 7.78	−21 50.1	4.348	5.183	6.6	18.1
4 1	14 2.42	−22 5.6	4.260	5.176	4.9	17.9
4 11	13 56.25	−22 14.1	4.200	5.169	3.2	17.8
4 21	13 49.67	−22 16.2	4.170	5.161	2.0	17.7
5 1	13 43.08	−22 13.0	4.170	5.154	2.7	17.7
5 11	13 36.91	−22 6.2	4.201	5.147	4.4	17.9
5 21	13 31.51	−21 57.7	4.259	5.140	6.1	18.0

181367 2006 RF_{101} 4 19.6 148°.88 0°.9/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.01	−17 46.7	2.919	3.683	11.1	21.0
3 22	14 8.93	−17 15.7	2.828	3.692	8.8	20.9
4 1	14 3.34	−16 33.7	2.761	3.701	6.1	20.7
4 11	13 56.71	−15 42.4	2.722	3.708	3.2	20.5
4 21	13 49.60	−14 44.7	2.712	3.716	0.9	20.4
5 1	13 42.65	−13 44.7	2.733	3.723	3.3	20.6
5 11	13 36.44	−12 46.5	2.782	3.730	6.2	20.8
5 21	13 31.45	−11 54.1	2.858	3.736	8.9	20.9

519027 2010 JX_{138} 4 19.6 277°.55 5°.3/24.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.48	−27 29.0	2.429	3.151	14.2	20.9
3 22	14 13.18	−28 13.5	2.324	3.144	12.0	20.7
4 1	14 6.68	−28 43.5	2.240	3.137	9.6	20.6
4 11	13 58.48	−28 56.8	2.181	3.129	7.1	20.4
4 21	13 49.31	−28 53.0	2.147	3.122	5.4	20.3
5 1	13 40.10	−28 33.3	2.142	3.115	5.8	20.3
5 11	13 31.79	−28 1.9	2.163	3.107	8.0	20.4
5 21	13 25.13	−27 24.1	2.210	3.100	10.6	20.5

302071 2000 WX_{74} 4 19.6 156°.83 1°.3/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 15.79	− 7 26.5	2.821	3.612	10.8	21.0
3 22	14 11.09	− 7 14.7	2.733	3.617	8.4	20.9
4 1	14 4.81	− 6 58.2	2.670	3.622	5.6	20.7
4 11	13 57.42	− 6 39.4	2.635	3.627	2.7	20.5
4 21	13 49.51	− 6 21.0	2.630	3.631	1.6	20.4
5 1	13 41.72	− 6 5.9	2.654	3.635	4.3	20.6
5 11	13 34.69	− 5 56.5	2.707	3.638	7.1	20.8
5 21	13 28.91	− 5 54.9	2.786	3.641	9.7	21.0

365101 2009 BN_{159} 4 19.6 59°.10 1°.7/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.98	−10 44.0	1.321	2.149	18.8	21.2
3 22	14 13.56	−10 4.9	1.262	2.166	14.6	21.0
4 1	14 7.17	− 9 11.9	1.223	2.183	9.7	20.8
4 11	13 58.68	− 8 10.6	1.207	2.201	4.5	20.5
4 21	13 49.31	− 7 8.4	1.215	2.218	2.2	20.4
5 1	13 40.43	− 6 13.7	1.249	2.236	7.0	20.8
5 11	13 33.24	− 5 33.3	1.307	2.254	11.8	21.1
5 21	13 28.50	− 5 11.1	1.387	2.272	15.9	21.4

344419 2002 CU_{37} 4 19.6 1°.20 6°.0/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.58	−28 19.7	2.124	2.855	15.7	20.2
3 22	14 11.97	−29 6.0	2.030	2.855	13.4	20.0
4 1	14 5.98	−29 35.2	1.957	2.854	10.7	19.8
4 11	13 58.17	−29 45.0	1.907	2.854	8.0	19.6
4 21	13 49.37	−29 34.8	1.882	2.855	6.2	19.5
5 1	13 40.62	−29 6.7	1.883	2.856	6.5	19.5
5 11	13 32.94	−28 25.7	1.910	2.857	8.6	19.7
5 21	13 27.13	−27 38.3	1.962	2.859	11.4	19.8

429993 2013 PN_{56} 4 19.6 121°.60 0°.4/20.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.08	−15 8.9	2.168	2.951	13.9	22.8
3 22	14 12.56	−14 47.1	2.090	2.966	10.9	22.6
4 1	14 6.01	−14 13.3	2.034	2.980	7.5	22.5
4 11	13 58.03	−13 29.9	2.004	2.994	3.6	22.2
4 21	13 49.42	−12 40.5	2.003	3.007	0.6	22.0
5 1	13 41.05	−11 50.0	2.030	3.020	4.4	22.3
5 11	13 33.77	−11 3.6	2.086	3.033	8.0	22.6
5 21	13 28.15	−10 25.6	2.166	3.045	11.2	22.8

410373 2007 VL_{168} 4 19.6 161°.50 0°.5/19.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.70	−12 9.2	1.980	2.772	14.7	22.4
3 22	14 14.87	−11 47.7	1.896	2.779	11.5	22.2
4 1	14 7.73	−11 15.4	1.833	2.784	7.8	22.0
4 11	13 58.91	−10 34.9	1.797	2.789	3.6	21.7
4 21	13 49.28	− 9 50.4	1.789	2.794	0.9	21.5
5 1	13 39.86	− 9 7.1	1.810	2.797	5.1	21.9
5 11	13 31.61	− 8 30.1	1.858	2.800	9.2	22.1
5 21	13 25.21	− 8 3.6	1.931	2.803	12.7	22.3

19053 1054 $T\text{-}_{2}$ 4 19.6 234°.76 0°.6/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.10	−11 54.2	2.751	3.539	11.1	19.6
3 22	14 9.20	−11 23.8	2.646	3.527	8.7	19.4
4 1	14 3.67	−10 44.7	2.564	3.515	5.9	19.2
4 11	13 56.95	− 9 59.2	2.510	3.502	2.7	19.0
4 21	13 49.61	− 9 10.6	2.485	3.489	0.9	18.8
5 1	13 42.30	− 8 22.8	2.490	3.476	4.1	19.1
5 11	13 35.70	− 7 40.1	2.524	3.462	7.2	19.2
5 21	13 30.33	− 7 5.5	2.583	3.448	10.1	19.4

74803 1999 SE_{22} 4 19.6 151°.94 2°.6/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.71	− 6 17.2	1.719	2.533	15.7	19.5
3 22	14 15.20	− 5 53.7	1.640	2.537	12.3	19.2
4 1	14 8.11	− 5 23.3	1.584	2.540	8.3	19.0
4 11	13 59.14	− 4 50.4	1.552	2.543	4.2	18.8
4 21	13 49.26	− 4 19.9	1.547	2.546	3.0	18.7
5 1	13 39.60	− 3 57.0	1.569	2.549	6.8	18.9
5 11	13 31.26	− 3 46.2	1.618	2.551	10.9	19.2
5 21	13 24.99	− 3 49.7	1.688	2.554	14.5	19.4

330968 2009 SX_{353} 4 19.6 251°.62 0°.1/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.69	−13 44.1	2.114	2.903	14.0	21.2
3 22	14 12.65	−13 25.7	2.005	2.886	11.1	21.0
4 1	14 6.37	−12 55.4	1.920	2.869	7.6	20.8
4 11	13 58.36	−12 15.1	1.860	2.851	3.7	20.5
4 21	13 49.37	−11 28.4	1.827	2.832	0.6	20.2
5 1	13 40.35	−10 39.9	1.824	2.813	4.9	20.5
5 11	13 32.26	− 9 55.5	1.848	2.794	9.0	20.7
5 21	13 25.86	− 9 19.7	1.896	2.774	12.6	20.9

278764 2008 SY_{138} 4 19.6 329°.63 2°.7/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.31	− 6 2.5	1.931	2.746	14.2	20.8
3 22	14 11.51	− 5 31.1	1.848	2.745	11.0	20.6
4 1	14 5.50	− 4 53.0	1.787	2.745	7.4	20.4
4 11	13 57.88	− 4 12.7	1.753	2.744	3.8	20.2
4 21	13 49.46	− 3 35.0	1.745	2.743	3.1	20.1
5 1	13 41.21	− 3 5.0	1.765	2.742	6.4	20.3
5 11	13 34.03	− 2 47.0	1.811	2.742	10.1	20.5
5 21	13 28.62	− 2 43.1	1.880	2.741	13.4	20.7

239251 2006 UT_{143} 4 19.6 229°.72 1°.7/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 17.46	− 6 3.3	2.544	3.340	11.7	20.8
3 22	14 12.66	− 5 57.9	2.447	3.334	9.1	20.6
4 1	14 6.04	− 5 48.5	2.375	3.327	6.2	20.4
4 11	13 58.08	− 5 37.6	2.329	3.320	3.0	20.2
4 21	13 49.43	− 5 28.1	2.313	3.314	2.0	20.1
5 1	13 40.84	− 5 22.7	2.327	3.306	4.9	20.2
5 11	13 33.07	− 5 24.1	2.368	3.299	8.1	20.4
5 21	13 26.70	− 5 33.9	2.435	3.291	10.9	20.6

436693 2011 SE_{215} 4 19.6 168°.94 1°.5/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.52	− 9 5.0	2.810	3.608	10.7	21.7
3 22	14 7.82	− 8 14.8	2.722	3.610	8.3	21.5
4 1	14 2.64	− 7 17.2	2.658	3.612	5.5	21.4
4 11	13 56.42	− 6 15.6	2.622	3.614	2.6	21.2
4 21	13 49.70	− 5 14.2	2.616	3.616	1.9	21.1
5 1	13 43.12	− 4 17.1	2.640	3.617	4.5	21.3
5 11	13 37.25	− 3 28.4	2.692	3.619	7.4	21.5
5 21	13 32.56	− 2 50.7	2.769	3.619	9.9	21.6

300865 2007 YR_{71} 4 19.6 186°.20 4°.4/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.59	+ 1 17.0	2.834	3.646	10.2	21.1
3 22	14 7.85	+ 2 33.3	2.753	3.645	8.0	21.0
4 1	14 2.65	+ 3 51.6	2.698	3.645	5.8	20.8
4 11	13 56.42	+ 5 6.8	2.671	3.643	4.5	20.7
4 21	13 49.71	+ 6 13.9	2.673	3.642	4.9	20.8
5 1	13 43.11	+ 7 8.6	2.705	3.640	6.8	20.9
5 11	13 37.21	+ 7 47.9	2.762	3.638	9.1	21.0
5 21	13 32.47	+ 8 10.6	2.843	3.635	11.2	21.2

285058 2011 HK_{30} 4 19.6 128°.34 1°.6/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.08	−23 42.0	2.158	2.912	14.8	20.5
3 22	14 11.10	−22 20.0	2.065	2.920	12.0	20.3
4 1	14 5.06	−20 35.3	1.995	2.928	8.5	20.1
4 11	13 57.60	−18 30.7	1.952	2.935	4.7	19.9
4 21	13 49.52	−16 12.7	1.939	2.942	1.6	19.7
5 1	13 41.74	−13 50.2	1.957	2.949	4.3	19.9
5 11	13 35.08	−11 32.9	2.005	2.955	8.1	20.1
5 21	13 30.12	− 9 29.2	2.081	2.961	11.5	20.4

149392 2003 AS_{14} 4 19.6 14°.14 4°.7/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 10.94	−24 56.0	1.375	2.167	20.0	19.1
3 22	14 9.23	−24 56.9	1.300	2.170	16.6	18.8
4 1	14 4.53	−24 31.2	1.242	2.175	12.5	18.6
4 11	13 57.58	−23 38.6	1.205	2.180	8.1	18.4
4 21	13 49.52	−22 22.7	1.191	2.187	4.9	18.2
5 1	13 41.73	−20 51.1	1.202	2.194	6.2	18.3
5 11	13 35.52	−19 15.3	1.237	2.202	10.3	18.5
5 21	13 31.74	−17 45.9	1.294	2.211	14.5	18.8

61925 2000 RA_{3} 4 19.6 165°.88 2°.8/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.04	− 6 59.5	2.490	3.299	11.6	19.3
3 22	14 7.65	− 5 37.5	2.405	3.301	8.9	19.1
4 1	14 2.62	− 4 7.1	2.346	3.302	6.0	18.9
4 11	13 56.44	− 2 33.6	2.314	3.303	3.3	18.7
4 21	13 49.72	− 1 2.8	2.312	3.304	3.3	18.7
5 1	13 43.15	+ 0 19.3	2.340	3.305	5.9	18.9
5 11	13 37.38	+ 1 27.6	2.395	3.306	8.9	19.1
5 21	13 32.91	+ 2 19.5	2.474	3.307	11.5	19.3

90925 1997 RK_{5} 4 19.6 17°.09 3°.1/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.94	− 8 40.3	1.381	2.214	17.8	19.5
3 22	14 12.07	− 7 40.8	1.307	2.215	13.9	19.2
4 1	14 6.31	− 6 27.2	1.253	2.215	9.3	18.9
4 11	13 58.39	− 5 6.3	1.223	2.216	4.7	18.7
4 21	13 49.40	− 3 46.8	1.217	2.217	3.7	18.6
5 1	13 40.67	− 2 38.3	1.238	2.218	8.1	18.9
5 11	13 33.44	− 1 48.4	1.281	2.219	12.8	19.1
5 21	13 28.56	− 1 21.0	1.345	2.220	16.9	19.4

471760 2012 UZ_{111} 4 19.6 159°.49 0°.5/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.06	−12 0.0	2.471	3.262	12.2	22.2
3 22	14 10.04	−11 35.4	2.383	3.266	9.5	22.0
4 1	14 4.27	−11 2.0	2.317	3.269	6.4	21.8
4 11	13 57.23	−10 22.1	2.279	3.271	3.0	21.6
4 21	13 49.60	− 9 39.3	2.270	3.274	0.8	21.4
5 1	13 42.09	− 8 57.7	2.289	3.276	4.3	21.7
5 11	13 35.44	− 8 21.4	2.337	3.278	7.6	21.9
5 21	13 30.19	− 7 53.6	2.410	3.280	10.5	22.1

517199 2013 VA_{26} 4 19.6 179°.92 0°.8/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.35	−10 47.8	2.181	2.977	13.4	22.1
3 22	14 12.09	−10 27.3	2.092	2.978	10.5	21.9
4 1	14 5.80	− 9 57.8	2.026	2.979	7.0	21.7
4 11	13 58.01	− 9 22.1	1.986	2.979	3.3	21.5
4 21	13 49.48	− 8 44.0	1.975	2.979	1.2	21.3
5 1	13 41.09	− 8 7.8	1.992	2.978	4.9	21.6
5 11	13 33.69	− 7 38.2	2.037	2.977	8.6	21.8
5 21	13 27.90	− 7 18.3	2.106	2.976	11.8	22.0

299241 2005 ME_{20} 4 19.6 276°.93 5°.2/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 13.71	−29 30.9	2.342	3.064	14.7	20.7
3 22	14 10.29	−29 40.7	2.236	3.055	12.5	20.5
4 1	14 4.74	−29 31.6	2.150	3.045	9.9	20.3
4 11	13 57.58	−29 2.4	2.087	3.036	7.3	20.1
4 21	13 49.55	−28 13.6	2.050	3.027	5.4	20.0
5 1	13 41.58	−27 8.5	2.040	3.018	5.6	20.0
5 11	13 34.56	−25 53.0	2.058	3.009	7.8	20.1
5 21	13 29.20	−24 33.9	2.101	2.999	10.6	20.3

511252 2014 BL_{48} 4 19.6 66°.13 3°.8/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.53	− 3 20.7	2.136	2.956	12.8	21.7
3 22	14 8.94	− 2 13.8	2.074	2.974	9.9	21.5
4 1	14 3.52	− 1 2.4	2.036	2.992	6.8	21.3
4 11	13 56.87	+ 0 7.7	2.024	3.010	4.2	21.2
4 21	13 49.70	+ 1 10.7	2.041	3.028	4.3	21.2
5 1	13 42.81	+ 2 1.3	2.085	3.046	6.9	21.4
5 11	13 36.93	+ 2 36.0	2.155	3.065	9.8	21.6
5 21	13 32.55	+ 2 53.4	2.248	3.083	12.5	21.8

262715 2006 XT_{17} 4 19.6 74°.07 0°.2/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.11	−13 29.8	1.701	2.505	16.3	20.4
3 22	14 13.27	−13 20.4	1.622	2.510	12.8	20.2
4 1	14 6.88	−12 58.2	1.564	2.516	8.8	20.0
4 11	13 58.61	−12 25.8	1.530	2.522	4.2	19.7
4 21	13 49.42	−11 47.2	1.523	2.527	0.6	19.4
5 1	13 40.45	−11 7.8	1.543	2.533	5.3	19.8
5 11	13 32.80	−10 33.6	1.588	2.539	9.7	20.1
5 21	13 27.20	−10 9.3	1.657	2.545	13.6	20.3

172842 2005 EN_{9} 4 19.6 56°.41 0°.4/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.29	−14 1.8	1.471	2.287	17.8	20.1
3 22	14 12.20	−13 27.5	1.397	2.293	14.0	19.8
4 1	14 6.31	−12 36.2	1.343	2.299	9.5	19.6
4 11	13 58.38	−11 32.2	1.312	2.305	4.5	19.3
4 21	13 49.46	−10 21.6	1.307	2.312	0.9	19.0
5 1	13 40.84	− 9 12.7	1.328	2.318	6.1	19.4
5 11	13 33.68	− 8 13.7	1.374	2.325	10.9	19.7
5 21	13 28.80	− 7 30.3	1.441	2.332	15.1	20.0

89196 2001 UH_{79} 4 19.6 97°.59 1°.4/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.45	− 7 44.5	2.281	3.082	12.7	20.3
3 22	14 12.02	− 7 34.9	2.198	3.087	9.9	20.1
4 1	14 5.67	− 7 19.6	2.138	3.092	6.6	19.9
4 11	13 57.93	− 7 1.4	2.105	3.097	3.2	19.7
4 21	13 49.54	− 6 43.4	2.101	3.103	1.7	19.6
5 1	13 41.31	− 6 29.1	2.125	3.108	4.9	19.8
5 11	13 34.03	− 6 21.7	2.176	3.113	8.3	20.0
5 21	13 28.29	− 6 23.2	2.253	3.118	11.4	20.2

390558 2000 VV 4 19.6 123°.19 0°.9/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.16	− 9 52.8	2.730	3.521	11.1	21.8
3 22	14 9.88	− 9 30.2	2.649	3.533	8.6	21.6
4 1	14 4.03	− 9 1.0	2.592	3.544	5.8	21.5
4 11	13 57.10	− 8 27.8	2.563	3.555	2.7	21.3
4 21	13 49.68	− 7 53.7	2.563	3.566	1.2	21.2
5 1	13 42.42	− 7 22.1	2.593	3.577	4.1	21.4
5 11	13 35.96	− 6 56.3	2.651	3.587	7.1	21.6
5 21	13 30.77	− 6 38.6	2.735	3.597	9.7	21.8

374420 2005 WS_{69} 4 19.6 160°.01 0°.1/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.87	−14 18.9	1.976	2.770	14.7	21.9
3 22	14 11.98	−13 55.6	1.889	2.772	11.6	21.7
4 1	14 5.85	−13 19.6	1.824	2.774	7.9	21.5
4 11	13 58.09	−12 33.3	1.785	2.776	3.8	21.2
4 21	13 49.52	−11 40.9	1.774	2.778	0.6	21.0
5 1	13 41.13	−10 47.8	1.790	2.780	4.8	21.3
5 11	13 33.83	− 9 59.9	1.834	2.781	8.9	21.5
5 21	13 28.32	− 9 21.8	1.901	2.783	12.4	21.8

383650 2007 SN_{18} 4 19.6 158°.57 17°.2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 24.47	+26 26.3	1.424	2.216	19.4	20.6
3 22	14 19.51	+28 54.4	1.391	2.223	18.0	20.5
4 1	14 11.25	+30 58.3	1.378	2.228	17.2	20.4
4 11	14 0.67	+32 23.8	1.385	2.233	17.4	20.5
4 21	13 49.14	+33 2.0	1.410	2.237	18.5	20.5
5 1	13 38.24	+32 50.3	1.453	2.241	20.1	20.7
5 11	13 29.31	+31 52.9	1.511	2.243	21.8	20.8
5 21	13 23.13	+30 17.8	1.583	2.245	23.4	21.0

270202 2001 TK_{42} 4 19.6 131°.44 5°.4/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.72	−29 56.8	2.328	3.036	15.1	20.5
3 22	14 14.82	−30 14.4	2.242	3.051	12.8	20.3
4 1	14 7.67	−30 13.2	2.176	3.065	10.1	20.2
4 11	13 58.92	−29 51.8	2.134	3.079	7.5	20.0
4 21	13 49.41	−29 10.8	2.118	3.092	5.6	19.9
5 1	13 40.12	−28 13.7	2.131	3.104	5.8	20.0
5 11	13 31.98	−27 6.4	2.171	3.116	7.8	20.1
5 21	13 25.66	−25 55.7	2.236	3.127	10.4	20.3

470920 2009 DG_{105} 4 19.6 340°.06 3°.1/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 16.19	−20 39.7	2.163	2.928	14.5	21.3
3 22	14 12.23	−21 3.8	2.068	2.926	11.8	21.1
4 1	14 6.06	−21 14.7	1.994	2.924	8.7	20.9
4 11	13 58.23	−21 11.9	1.946	2.922	5.4	20.7
4 21	13 49.51	−20 56.6	1.924	2.920	3.2	20.6
5 1	13 40.85	−20 31.5	1.930	2.919	4.7	20.7
5 11	13 33.18	−20 1.3	1.963	2.918	7.9	20.9
5 21	13 27.23	−19 31.2	2.022	2.917	11.2	21.0

219598 2001 TF_{49} 4 19.6 112°.00 1°.9/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.60	−19 54.2	2.174	2.937	14.5	20.9
3 22	14 13.76	−19 38.6	2.099	2.958	11.6	20.8
4 1	14 6.84	−19 7.9	2.045	2.979	8.2	20.6
4 11	13 58.47	−18 23.8	2.018	3.000	4.6	20.4
4 21	13 49.49	−17 29.3	2.018	3.020	1.9	20.3
5 1	13 40.82	−16 29.5	2.048	3.039	4.2	20.4
5 11	13 33.31	−15 30.3	2.106	3.058	7.7	20.7
5 21	13 27.53	−14 37.0	2.190	3.076	10.8	20.9

272974 2006 DU_{8} 4 19.7 55°.53 4°.6/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.91	− 1 8.2	1.664	2.490	15.6	20.0
3 22	14 13.63	− 0 32.9	1.605	2.507	12.2	19.9
4 1	14 6.93	+ 0 4.5	1.568	2.524	8.4	19.7
4 11	13 58.56	+ 0 38.1	1.556	2.542	5.2	19.5
4 21	13 49.49	+ 1 2.3	1.570	2.559	5.1	19.5
5 1	13 40.83	+ 1 12.5	1.611	2.577	8.0	19.8
5 11	13 33.56	+ 1 6.2	1.676	2.595	11.5	20.0
5 21	13 28.31	+ 0 43.3	1.763	2.614	14.7	20.2

308214 2005 EU_{129} 4 19.7 42°.79 3°.5/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.45	− 7 59.7	1.218	2.061	19.1	20.7
3 22	14 11.79	− 6 58.4	1.164	2.077	14.8	20.4
4 1	14 6.09	− 5 44.6	1.129	2.093	9.8	20.2
4 11	13 58.26	− 4 26.3	1.117	2.110	5.0	20.0
4 21	13 49.54	− 3 13.1	1.129	2.127	4.1	20.0
5 1	13 41.33	− 2 14.1	1.165	2.145	8.4	20.3
5 11	13 34.85	− 1 36.1	1.224	2.164	13.0	20.6
5 21	13 30.83	− 1 21.3	1.303	2.183	17.1	20.9

70528 1999 TF_{116} 4 19.7 126°.14 0°.3/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.74	−15 31.0	1.711	2.509	16.4	18.8
3 22	14 12.96	−14 58.6	1.632	2.517	13.0	18.6
4 1	14 6.65	−14 10.1	1.573	2.524	8.9	18.4
4 11	13 58.51	−13 8.7	1.539	2.530	4.3	18.1
4 21	13 49.49	−11 59.4	1.532	2.537	0.6	17.9
5 1	13 40.73	−10 49.5	1.553	2.543	5.3	18.2
5 11	13 33.29	− 9 46.4	1.599	2.549	9.8	18.5
5 21	13 27.90	− 8 55.9	1.669	2.555	13.6	18.7

33694 1999 KN 4 19.7 75°.30 9°.1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 21.31	+ 7 41.2	1.403	2.235	17.7	18.4
3 22	14 16.71	+ 8 47.6	1.352	2.248	14.3	18.2
4 1	14 9.20	+ 9 47.8	1.321	2.262	11.2	18.1
4 11	13 59.67	+10 32.3	1.313	2.276	9.3	18.0
4 21	13 49.33	+10 53.2	1.330	2.290	9.8	18.1
5 1	13 39.53	+10 46.1	1.370	2.303	12.3	18.2
5 11	13 31.44	+10 10.9	1.433	2.317	15.4	18.5
5 21	13 25.80	+ 9 11.4	1.514	2.331	18.3	18.7

469704 2005 EZ_{296} 4 19.7 339°.82 0°.0/19.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	13 53.99	−11 51.8	33.226	34.003	1.1	22.1
3 22	13 53.26	−11 47.9	33.126	34.001	0.8	22.1
4 1	13 52.43	−11 43.5	33.052	33.999	0.5	22.1
4 11	13 51.53	−11 38.6	33.007	33.998	0.3	22.0
4 21	13 50.60	−11 33.6	32.991	33.996	0.0	22.0
5 1	13 49.68	−11 28.6	33.005	33.994	0.3	22.0
5 11	13 48.80	−11 23.8	33.048	33.992	0.6	22.1
5 21	13 47.99	−11 19.4	33.118	33.990	0.9	22.1

156755 2002 YH_{7} 4 19.7 119°.53 2°.1/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.55	− 8 29.6	1.993	2.798	14.2	20.5
3 22	14 13.04	− 7 44.2	1.922	2.813	11.0	20.4
4 1	14 6.41	− 6 50.2	1.873	2.829	7.3	20.2
4 11	13 58.31	− 5 52.1	1.851	2.843	3.6	19.9
4 21	13 49.56	− 4 55.2	1.858	2.858	2.5	19.9
5 1	13 41.11	− 4 5.3	1.892	2.871	5.9	20.1
5 11	13 33.82	− 3 27.0	1.954	2.885	9.5	20.4
5 21	13 28.29	− 3 3.1	2.039	2.897	12.7	20.6

139843 2001 RH_{44} 4 19.7 128°.21 1°.7/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.26	− 8 17.2	2.048	2.850	13.9	20.1
3 22	14 13.59	− 7 49.8	1.972	2.862	10.8	19.9
4 1	14 6.80	− 7 14.8	1.919	2.873	7.2	19.7
4 11	13 58.50	− 6 35.9	1.892	2.884	3.5	19.5
4 21	13 49.52	− 5 57.5	1.893	2.895	2.1	19.4
5 1	13 40.80	− 5 24.3	1.923	2.904	5.5	19.7
5 11	13 33.18	− 5 0.5	1.980	2.914	9.2	19.9
5 21	13 27.31	− 4 48.6	2.061	2.923	12.4	20.1

64018 2001 SQ_{149} 4 19.7 218°.01 4°.4/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 21.31	−22 55.2	1.741	2.503	17.6	20.3
3 22	14 16.99	−23 20.0	1.643	2.497	14.6	20.1
4 1	14 9.73	−23 26.9	1.565	2.490	11.0	19.8
4 11	14 0.15	−23 14.1	1.509	2.482	7.1	19.6
4 21	13 49.24	−22 41.9	1.480	2.474	4.4	19.4
5 1	13 38.33	−21 54.2	1.477	2.465	6.0	19.5
5 11	13 28.73	−20 58.2	1.501	2.456	9.8	19.7
5 21	13 21.43	−20 1.9	1.548	2.446	13.8	19.9

196858 2003 SB_{269} 4 19.7 184°.04 0°.4/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.36	−13 3.5	2.242	3.035	13.2	21.0
3 22	14 10.53	−12 29.8	2.152	3.035	10.3	20.8
4 1	14 4.75	−11 44.8	2.084	3.035	7.0	20.6
4 11	13 57.56	−10 51.5	2.043	3.035	3.3	20.4
4 21	13 49.68	− 9 54.1	2.030	3.034	0.8	20.2
5 1	13 41.93	− 8 57.6	2.046	3.033	4.6	20.5
5 11	13 35.12	− 8 7.4	2.089	3.032	8.3	20.7
5 21	13 29.84	− 7 27.4	2.157	3.030	11.5	20.9

69772 1998 QU_{32} 4 19.7 314°.97 7°.4/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.51	−28 56.6	1.818	2.556	17.8	18.8
3 22	14 14.17	−29 59.6	1.716	2.543	15.3	18.5
4 1	14 7.95	−30 44.4	1.634	2.530	12.5	18.3
4 11	13 59.37	−31 7.1	1.573	2.518	9.6	18.1
4 21	13 49.36	−31 5.3	1.535	2.506	7.6	18.0
5 1	13 39.21	−30 40.0	1.524	2.495	7.9	18.0
5 11	13 30.25	−29 56.6	1.537	2.483	10.3	18.1
5 21	13 23.54	−29 3.3	1.572	2.473	13.5	18.2

204947 2008 UE_{315} 4 19.7 279°.40 2°.6/18.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.22	− 7 5.2	1.408	2.234	17.9	20.7
3 22	14 15.67	− 6 47.3	1.320	2.223	14.1	20.4
4 1	14 9.00	− 6 20.3	1.253	2.213	9.6	20.1
4 11	13 59.85	− 5 48.5	1.209	2.202	4.8	19.8
4 21	13 49.31	− 5 17.9	1.189	2.191	3.1	19.7
5 1	13 38.81	− 4 54.8	1.196	2.180	7.7	19.9
5 11	13 29.76	− 4 45.1	1.226	2.169	12.7	20.2
5 21	13 23.20	− 4 52.1	1.277	2.158	17.3	20.4

410341 2007 UB_{79} 4 19.7 104°.62 0°.8/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.06	−11 20.2	1.600	2.410	16.9	21.6
3 22	14 14.90	−11 2.7	1.526	2.418	13.2	21.4
4 1	14 8.04	−10 33.6	1.472	2.427	8.9	21.2
4 11	13 59.21	− 9 56.0	1.443	2.435	4.2	20.9
4 21	13 49.44	− 9 14.8	1.440	2.444	1.2	20.7
5 1	13 39.95	− 8 36.2	1.464	2.452	6.0	21.0
5 11	13 31.90	− 8 5.9	1.513	2.460	10.5	21.3
5 21	13 26.05	− 7 48.2	1.585	2.468	14.4	21.6

138738 2000 SZ_{203} 4 19.7 155°.22 1°.3/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.45	−10 3.7	2.507	3.305	11.8	20.2
3 22	14 8.79	− 9 23.4	2.420	3.308	9.1	20.0
4 1	14 3.44	− 8 34.7	2.356	3.311	6.1	19.8
4 11	13 56.91	− 7 41.1	2.320	3.313	2.9	19.6
4 21	13 49.81	− 6 46.5	2.313	3.315	1.6	19.5
5 1	13 42.84	− 5 55.6	2.335	3.317	4.6	19.7
5 11	13 36.69	− 5 12.5	2.385	3.319	7.8	19.9
5 21	13 31.87	− 4 40.3	2.459	3.321	10.7	20.1

299422 2005 YL_{161} 4 19.7 123°.31 4°.5/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.69	− 4 37.8	1.463	2.294	17.1	21.1
3 22	14 14.00	− 3 34.8	1.394	2.299	13.3	20.9
4 1	14 7.51	− 2 23.0	1.345	2.304	9.1	20.7
4 11	13 58.98	− 1 10.1	1.320	2.309	5.3	20.5
4 21	13 49.48	− 0 4.4	1.321	2.314	5.1	20.5
5 1	13 40.30	+ 0 45.9	1.348	2.319	8.8	20.7
5 11	13 32.61	+ 1 15.5	1.399	2.323	13.0	20.9
5 21	13 27.21	+ 1 22.4	1.470	2.328	16.7	21.2

167831 2005 CY_{42} 4 19.7 15°.95 1°.9/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.54	−17 30.5	1.306	2.122	19.6	20.1
3 22	14 12.12	−17 29.5	1.232	2.124	15.8	19.8
4 1	14 6.58	−17 8.8	1.176	2.127	11.1	19.6
4 11	13 58.66	−16 29.9	1.142	2.131	6.0	19.3
4 21	13 49.52	−15 37.0	1.132	2.135	1.9	19.0
5 1	13 40.64	−14 37.6	1.146	2.140	6.0	19.3
5 11	13 33.39	−13 41.1	1.184	2.146	11.1	19.6
5 21	13 28.69	−12 55.1	1.243	2.152	15.6	19.9

391744 2008 DC_{9} 4 19.7 146°.88 3°.5/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.53	− 2 16.1	2.586	3.398	11.1	21.6
3 22	14 8.73	− 1 19.6	2.508	3.403	8.6	21.4
4 1	14 3.34	− 0 19.7	2.455	3.408	6.0	21.3
4 11	13 56.84	+ 0 39.2	2.429	3.412	3.8	21.1
4 21	13 49.82	+ 1 32.3	2.431	3.417	3.9	21.2
5 1	13 42.97	+ 2 15.4	2.463	3.421	6.2	21.3
5 11	13 36.90	+ 2 45.3	2.521	3.425	8.8	21.5
5 21	13 32.11	+ 3 0.7	2.603	3.429	11.3	21.6

369084 2008 FJ_{136} 4 19.7 211°.91 2°.0/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 19.37	−18 2.4	2.035	2.808	15.0	21.0
3 22	14 14.87	−18 10.0	1.936	2.803	12.1	20.8
4 1	14 7.95	−18 4.3	1.859	2.797	8.7	20.6
4 11	13 59.20	−17 45.7	1.807	2.791	4.9	20.3
4 21	13 49.44	−17 15.9	1.782	2.784	2.0	20.1
5 1	13 39.73	−16 38.8	1.786	2.777	4.7	20.3
5 11	13 31.09	−16 0.1	1.817	2.769	8.6	20.5
5 21	13 24.32	−15 24.9	1.873	2.761	12.2	20.7

303710 Velpeau 4 19.7 154°.36 2°.4/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.73	−20 41.6	2.550	3.307	12.7	21.3
3 22	14 10.67	−20 43.8	2.456	3.310	10.3	21.1
4 1	14 4.79	−20 33.3	2.384	3.313	7.5	20.9
4 11	13 57.58	−20 10.6	2.337	3.315	4.5	20.7
4 21	13 49.71	−19 37.6	2.319	3.318	2.4	20.6
5 1	13 41.94	−18 57.6	2.330	3.320	3.9	20.7
5 11	13 35.03	−18 14.8	2.369	3.322	6.8	20.9
5 21	13 29.55	−17 33.9	2.434	3.324	9.7	21.1

32455 2000 SW_{60} 4 19.7 62°.89 1°.0/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.90	−16 5.8	2.944	3.715	10.9	18.8
3 22	14 8.88	−16 8.1	2.862	3.729	8.6	18.6
4 1	14 3.37	−16 1.8	2.803	3.743	6.0	18.5
4 11	13 56.84	−15 48.2	2.771	3.757	3.2	18.3
4 21	13 49.83	−15 29.1	2.769	3.772	1.0	18.2
5 1	13 42.97	−15 7.1	2.795	3.786	3.2	18.3
5 11	13 36.83	−14 45.2	2.851	3.801	6.0	18.5
5 21	13 31.87	−14 26.3	2.932	3.815	8.5	18.7

374461 2005 XW_{49} 4 19.7 92°.95 1°.5/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.77	−17 17.2	1.913	2.696	15.5	21.7
3 22	14 13.48	−17 13.6	1.837	2.711	12.3	21.5
4 1	14 6.87	−16 55.9	1.782	2.725	8.6	21.3
4 11	13 58.60	−16 25.6	1.752	2.739	4.6	21.1
4 21	13 49.56	−15 45.9	1.749	2.753	1.5	20.9
5 1	13 40.79	−15 1.6	1.775	2.766	4.6	21.2
5 11	13 33.25	−14 18.5	1.827	2.780	8.5	21.4
5 21	13 27.61	−13 41.8	1.903	2.793	12.0	21.7

231200 2005 UZ_{505} 4 19.7 220°.10 2°.0/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.22	− 7 59.9	2.124	2.931	13.4	20.7
3 22	14 11.32	− 7 23.2	2.033	2.926	10.4	20.5
4 1	14 5.36	− 6 38.4	1.966	2.922	7.0	20.3
4 11	13 57.90	− 5 49.3	1.925	2.917	3.4	20.1
4 21	13 49.66	− 5 0.6	1.911	2.911	2.4	20.0
5 1	13 41.54	− 4 17.5	1.926	2.906	5.7	20.2
5 11	13 34.38	− 3 44.6	1.968	2.900	9.3	20.4
5 21	13 28.83	− 3 24.9	2.034	2.894	12.6	20.6

24461 2000 SZ_{3} 4 19.7 191°.72 6°.5/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.61	+10 0.0	2.710	3.518	10.8	19.0
3 22	14 9.52	+11 8.5	2.638	3.517	8.9	18.8
4 1	14 3.86	+12 13.1	2.591	3.515	7.2	18.7
4 11	13 57.09	+13 8.2	2.571	3.513	6.5	18.7
4 21	13 49.80	+13 49.0	2.578	3.511	7.1	18.7
5 1	13 42.66	+14 12.1	2.612	3.508	8.7	18.8
5 11	13 36.29	+14 16.1	2.670	3.506	10.7	18.9
5 21	13 31.18	+14 1.3	2.750	3.502	12.5	19.1

276581 2003 ST_{300} 4 19.7 232°.68 2°.8/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.06	−21 26.3	2.080	2.846	14.9	20.8
3 22	14 11.44	−21 23.2	1.984	2.843	12.2	20.6
4 1	14 5.58	−21 3.8	1.909	2.840	8.9	20.4
4 11	13 58.05	−20 28.4	1.859	2.837	5.4	20.2
4 21	13 49.65	−19 39.4	1.835	2.834	2.8	20.0
5 1	13 41.36	−18 41.2	1.840	2.830	4.6	20.1
5 11	13 34.10	−17 40.3	1.871	2.827	8.1	20.3
5 21	13 28.60	−16 42.8	1.927	2.823	11.6	20.5

505851 2015 CD_{51} 4 19.7 303°.49 5°.2/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.43	−24 43.5	1.917	2.671	16.4	20.9
3 22	14 13.77	−25 26.6	1.816	2.660	13.8	20.7
4 1	14 7.47	−25 53.6	1.734	2.650	10.7	20.5
4 11	13 59.08	−26 2.3	1.676	2.639	7.5	20.3
4 21	13 49.48	−25 52.0	1.643	2.629	5.3	20.1
5 1	13 39.80	−25 24.9	1.637	2.619	6.2	20.1
5 11	13 31.24	−24 46.4	1.656	2.609	9.2	20.3
5 21	13 24.70	−24 3.4	1.700	2.600	12.6	20.5

437810 2015 DE_{41} 4 19.7 343°.29 1°.0/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.49	−13 33.3	1.736	2.537	16.1	20.6
3 22	14 13.73	−13 52.7	1.647	2.533	12.8	20.4
4 1	14 7.35	−14 1.7	1.579	2.529	8.9	20.1
4 11	13 58.97	−14 1.4	1.535	2.525	4.5	19.8
4 21	13 49.51	−13 53.8	1.518	2.522	1.0	19.6
5 1	13 40.12	−13 42.6	1.527	2.519	5.2	19.9
5 11	13 31.94	−13 32.4	1.563	2.517	9.6	20.1
5 21	13 25.82	−13 27.5	1.621	2.515	13.5	20.3

430790 2004 TS_{292} 4 19.7 221°.59 2°.5/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 18.33	−20 39.1	2.473	3.224	13.2	22.3
3 22	14 13.68	−20 46.1	2.363	3.214	10.8	22.1
4 1	14 6.97	−20 40.3	2.276	3.203	7.9	21.9
4 11	13 58.70	−20 21.5	2.214	3.192	4.8	21.7
4 21	13 49.56	−19 51.1	2.181	3.179	2.6	21.5
5 1	13 40.41	−19 12.2	2.178	3.167	4.2	21.6
5 11	13 32.12	−18 29.4	2.202	3.153	7.4	21.7
5 21	13 25.37	−17 47.6	2.253	3.139	10.6	21.9

50660 2000 EJ_{95} 4 19.7 4°.66 5°.4/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.58	−26 23.6	1.993	2.737	16.2	18.5
3 22	14 12.89	−27 0.8	1.901	2.737	13.6	18.3
4 1	14 6.72	−27 20.5	1.829	2.737	10.7	18.1
4 11	13 58.65	−27 20.8	1.780	2.738	7.6	17.9
4 21	13 49.57	−27 1.7	1.756	2.739	5.5	17.8
5 1	13 40.55	−26 25.8	1.759	2.739	6.1	17.8
5 11	13 32.68	−25 39.0	1.788	2.740	8.7	17.9
5 21	13 26.76	−24 48.0	1.842	2.742	11.8	18.1

245780 2006 GU_{41} 4 19.7 323°.96 5°.5/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.49	− 2 37.8	1.250	2.098	18.4	19.9
3 22	14 12.23	− 1 50.7	1.170	2.085	14.5	19.7
4 1	14 6.79	− 0 56.2	1.109	2.072	10.2	19.4
4 11	13 58.85	− 0 2.1	1.071	2.060	6.3	19.1
4 21	13 49.53	+ 0 42.7	1.056	2.048	6.2	19.1
5 1	13 40.28	+ 1 9.7	1.064	2.037	10.2	19.2
5 11	13 32.56	+ 1 13.0	1.094	2.027	14.9	19.5
5 21	13 27.39	+ 0 51.5	1.143	2.018	19.3	19.7

80656 2000 BT_{7} 4 19.7 302°.56 3°.6/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.50	− 5 16.7	1.262	2.100	18.9	18.7
3 22	14 15.51	− 4 58.6	1.176	2.085	15.0	18.4
4 1	14 9.15	− 4 32.7	1.109	2.071	10.3	18.1
4 11	14 0.04	− 4 4.2	1.064	2.056	5.4	17.7
4 21	13 49.35	− 3 39.8	1.043	2.042	4.1	17.6
5 1	13 38.62	− 3 26.5	1.046	2.029	8.8	17.8
5 11	13 29.45	− 3 30.0	1.071	2.015	14.1	18.1
5 21	13 22.99	− 3 52.6	1.117	2.002	18.8	18.3

9910 Vogelweide 4 19.7 167°.80 1°.6/18.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.89	− 8 49.4	2.158	2.962	13.2	18.5
3 22	14 11.00	− 8 20.1	2.072	2.963	10.3	18.3
4 1	14 5.11	− 7 42.8	2.009	2.964	6.9	18.1
4 11	13 57.77	− 7 1.0	1.972	2.965	3.3	17.9
4 21	13 49.73	− 6 18.9	1.964	2.965	1.9	17.8
5 1	13 41.83	− 5 41.2	1.984	2.966	5.3	18.0
5 11	13 34.90	− 5 12.4	2.030	2.966	8.9	18.2
5 21	13 29.55	− 4 55.2	2.101	2.967	12.1	18.4

433775 2015 BQ_{63} 4 19.7 67°.57 7°.3/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.35	+ 5 42.2	1.771	2.598	14.8	21.0
3 22	14 12.37	+ 6 50.9	1.712	2.608	11.8	20.9
4 1	14 6.09	+ 7 56.9	1.676	2.619	9.1	20.7
4 11	13 58.22	+ 8 52.2	1.665	2.630	7.4	20.6
4 21	13 49.67	+ 9 30.2	1.679	2.640	8.0	20.7
5 1	13 41.47	+ 9 46.2	1.719	2.651	10.3	20.9
5 11	13 34.52	+ 9 38.5	1.782	2.662	13.1	21.0
5 21	13 29.47	+ 9 8.5	1.866	2.673	15.7	21.2

2824 Franke 4 19.7 186°.98 1°.8/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.10	−18 37.1	2.038	2.807	15.1	17.7
3 22	14 15.37	−18 30.5	1.943	2.807	12.2	17.5
4 1	14 8.24	−18 9.0	1.869	2.806	8.7	17.3
4 11	13 59.33	−17 33.4	1.821	2.805	4.8	17.1
4 21	13 49.49	−16 46.4	1.800	2.802	1.8	16.8
5 1	13 39.75	−15 52.7	1.808	2.799	4.6	17.0
5 11	13 31.15	−14 58.6	1.844	2.795	8.6	17.2
5 21	13 24.43	−14 9.9	1.905	2.791	12.2	17.5

211955 2004 XG_{162} 4 19.7 62°.30 5°.5/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.30	− 1 4.2	1.346	2.180	18.1	19.9
3 22	14 16.02	− 0 20.3	1.293	2.199	14.1	19.7
4 1	14 8.80	+ 0 26.2	1.261	2.218	9.8	19.5
4 11	13 59.55	+ 1 7.7	1.251	2.237	6.2	19.3
4 21	13 49.48	+ 1 37.1	1.267	2.257	6.0	19.4
5 1	13 39.96	+ 1 48.8	1.308	2.276	9.3	19.6
5 11	13 32.19	+ 1 40.1	1.373	2.296	13.3	19.9
5 21	13 26.87	+ 1 11.5	1.457	2.315	16.8	20.1

379311 2009 VN_{103} 4 19.7 185°.82 2°.8/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.59	− 5 19.5	2.048	2.859	13.6	21.0
3 22	14 12.42	− 4 48.6	1.964	2.859	10.6	20.8
4 1	14 6.12	− 4 12.0	1.903	2.858	7.2	20.6
4 11	13 58.27	− 3 33.8	1.868	2.858	3.8	20.4
4 21	13 49.66	− 2 58.9	1.860	2.857	3.2	20.3
5 1	13 41.21	− 2 31.8	1.881	2.857	6.3	20.5
5 11	13 33.79	− 2 16.3	1.929	2.856	9.8	20.7
5 21	13 28.06	− 2 14.5	1.999	2.855	13.0	20.9

47344 1999 XM_{45} 4 19.7 8°.40 1°.8/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 15.18	− 9 1.9	1.294	2.130	18.6	18.0
3 22	14 12.53	− 8 45.9	1.222	2.131	14.6	17.7
4 1	14 6.81	− 8 18.6	1.170	2.132	9.8	17.4
4 11	13 58.78	− 7 44.4	1.140	2.134	4.6	17.1
4 21	13 49.58	− 7 9.4	1.134	2.137	2.3	17.0
5 1	13 40.63	− 6 40.5	1.153	2.141	7.2	17.3
5 11	13 33.28	− 6 23.8	1.195	2.145	12.2	17.6
5 21	13 28.42	− 6 22.9	1.257	2.151	16.6	17.8

402852 2007 RE_{12} 4 19.7 197°.99 3°.8/22.5 16

3 12	14 20.76	−22 1.9	1.812	2.575	16.9	21.7
3 22	14 16.35	−22 21.1	1.717	2.573	13.9	21.5
4 1	14 9.18	−22 23.2	1.643	2.570	10.4	21.3
4 11	13 59.88	−22 7.1	1.592	2.567	6.6	21.1
4 21	13 49.40	−21 33.8	1.568	2.564	3.8	20.9
5 1	13 39.00	−20 47.3	1.571	2.560	5.5	21.0
5 11	13 29.87	−19 54.6	1.600	2.555	9.4	21.2
5 21	13 22.92	−19 2.9	1.654	2.550	13.2	21.4

111709 2002 CV_{26} 4 19.7 286°.13 6°.9/26.4 18

3 12	14 17.26	−33 11.3	2.430	3.120	14.9	19.5
3 22	14 13.19	−34 0.1	2.329	3.116	13.0	19.4
4 1	14 6.83	−34 31.4	2.247	3.112	10.8	19.2
4 11	13 58.71	−34 42.3	2.188	3.109	8.7	19.1
4 21	13 49.59	−34 31.6	2.154	3.105	7.2	19.0
5 1	13 40.46	−34 0.6	2.146	3.101	7.1	18.9
5 11	13 32.31	−33 13.8	2.164	3.098	8.6	19.0
5 21	13 25.92	−32 17.2	2.207	3.094	10.7	19.1

363277 2002 GJ_{107} 4 19.7 337°.64 6°.2/15.1 17

3 12	14 7.60	− 4 17.3	1.102	1.968	19.1	20.1
3 22	14 7.12	− 2 56.3	1.026	1.952	15.0	19.7
4 1	14 3.48	− 1 21.0	0.969	1.937	10.4	19.4
4 11	13 57.33	+ 0 18.3	0.934	1.924	6.7	19.2
4 21	13 49.80	+ 1 48.8	0.920	1.911	7.2	19.2
5 1	13 42.37	+ 2 57.9	0.929	1.901	11.5	19.3
5 11	13 36.50	+ 3 36.7	0.957	1.891	16.4	19.6
5 21	13 33.21	+ 3 42.4	1.003	1.884	20.9	19.8

471887 2013 AO_{119} 4 19.7 134°.66 3°.4/23.4 17

3 12	14 14.62	−24 30.8	2.606	3.344	12.9	21.6
3 22	14 10.61	−24 37.1	2.512	3.349	10.7	21.4
4 1	14 4.76	−24 28.9	2.440	3.355	8.1	21.2
4 11	13 57.60	−24 6.4	2.393	3.360	5.4	21.1
4 21	13 49.79	−23 30.8	2.374	3.364	3.5	20.9
5 1	13 42.10	−22 45.2	2.384	3.369	4.3	21.0
5 11	13 35.27	−21 54.4	2.421	3.373	6.8	21.2
5 21	13 29.88	−21 3.2	2.485	3.378	9.4	21.3

225614 2000 YA_{120} 4 19.7 208°.67 6°.0/13.9 18

3 12	14 19.32	+ 6 23.7	2.405	3.209	12.1	20.6
3 22	14 14.21	+ 7 11.6	2.321	3.203	9.8	20.4
4 1	14 7.17	+ 7 57.2	2.260	3.196	7.5	20.2
4 11	13 58.74	+ 8 34.9	2.227	3.188	6.1	20.1
4 21	13 49.62	+ 9 0.0	2.221	3.180	6.5	20.1
5 1	13 40.63	+ 9 8.6	2.244	3.171	8.4	20.2
5 11	13 32.56	+ 8 59.0	2.292	3.162	10.9	20.4
5 21	13 26.00	+ 8 31.5	2.363	3.152	13.3	20.5

97512 2000 CV_{118} 4 19.7 201°.70 0°.5/20.2 18 R

3 12	14 15.17	−15 2.8	2.294	3.078	13.2	20.4
3 22	14 11.20	−14 47.6	2.200	3.076	10.5	20.2
4 1	14 5.26	−14 21.1	2.128	3.074	7.2	20.0
4 11	13 57.87	−13 45.1	2.082	3.071	3.6	19.8
4 21	13 49.75	−13 2.7	2.064	3.069	0.6	19.5
5 1	13 41.73	−12 18.3	2.075	3.066	4.2	19.8
5 11	13 34.62	−11 36.6	2.114	3.062	7.8	20.0
5 21	13 29.05	−11 1.9	2.178	3.059	11.1	20.2

202113 2004 TJ_{104} 4 19.7 259°.71 4°.9/16.3 16

3 12	14 19.29	− 2 21.0	1.597	2.421	16.2	20.4
3 22	14 15.38	− 1 34.9	1.504	2.406	12.8	20.1
4 1	14 8.64	− 0 42.6	1.433	2.389	9.0	19.9
4 11	13 59.68	+ 0 9.5	1.386	2.373	5.6	19.6
4 21	13 49.46	+ 0 54.3	1.365	2.356	5.4	19.6
5 1	13 39.24	+ 1 24.5	1.371	2.338	9.0	19.7
5 11	13 30.27	+ 1 35.2	1.400	2.321	13.2	19.9
5 21	13 23.50	+ 1 24.5	1.451	2.303	17.2	20.1

250410 2003 UD_{252} 4 19.7 234°.31 0°.7/19.2 18

3 12	14 19.85	−10 48.2	1.751	2.554	15.9	20.8
3 22	14 15.56	−10 40.0	1.657	2.546	12.6	20.6
4 1	14 8.62	−10 21.7	1.585	2.538	8.6	20.3
4 11	13 59.61	− 9 55.7	1.537	2.530	4.0	20.0
4 21	13 49.48	− 9 25.8	1.517	2.521	1.1	19.8
5 1	13 39.39	− 8 57.2	1.524	2.512	5.8	20.1
5 11	13 30.52	− 8 35.1	1.557	2.502	10.3	20.3
5 21	13 23.72	− 8 23.7	1.613	2.492	14.4	20.5

330962 2009 SV_{345} 4 19.7 342°.49 2°.0/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 7.74	−11 25.5	1.257	2.103	18.5	19.5
3 22	14 6.90	−10 37.5	1.175	2.089	14.5	19.2
4 1	14 3.16	− 9 30.9	1.112	2.077	9.8	18.9
4 11	13 57.13	− 8 11.1	1.071	2.066	4.6	18.5
4 21	13 49.86	− 6 46.7	1.053	2.056	2.6	18.4
5 1	13 42.68	− 5 28.4	1.059	2.047	7.7	18.6
5 11	13 36.92	− 4 26.1	1.088	2.040	12.9	18.9
5 21	13 33.53	− 3 46.1	1.136	2.034	17.6	19.1

73809 1995 SS_{48} 4 19.7 220°.23 0°.4/19.3 17

3 12	14 19.10	−12 16.7	2.134	2.922	13.9	21.2
3 22	14 14.49	−11 55.0	2.031	2.912	11.0	20.9
4 1	14 7.64	−11 22.6	1.951	2.901	7.5	20.7
4 11	13 59.07	−10 41.7	1.897	2.889	3.5	20.4
4 21	13 49.57	− 9 56.0	1.872	2.877	0.9	20.2
5 1	13 40.10	− 9 10.5	1.876	2.863	5.0	20.5
5 11	13 31.60	− 8 30.4	1.908	2.849	9.0	20.7
5 21	13 24.82	− 8 0.0	1.964	2.834	12.6	20.9

758 Mancunia 4 19.7 134°.98 2°.2/17.2 18

3 12	14 13.63	− 5 46.0	2.731	3.532	10.9	13.8
3 22	14 9.50	− 5 10.2	2.651	3.541	8.4	13.6
4 1	14 3.84	− 4 29.7	2.595	3.549	5.6	13.4
4 11	13 57.11	− 3 48.1	2.568	3.558	3.0	13.3
4 21	13 49.89	− 3 8.8	2.569	3.566	2.5	13.2
5 1	13 42.83	− 2 35.5	2.600	3.574	4.9	13.4
5 11	13 36.55	− 2 11.2	2.659	3.581	7.7	13.6
5 21	13 31.49	− 1 57.8	2.743	3.588	10.2	13.8

131137 2001 BC_{50} 4 19.7 63°.94 6°.2/13.9 17

3 12	14 13.99	+ 1 8.6	1.775	2.606	14.6	19.2
3 22	14 10.47	+ 2 36.9	1.721	2.624	11.4	19.1
4 1	14 4.77	+ 4 6.8	1.690	2.641	8.3	18.9
4 11	13 57.60	+ 5 30.1	1.684	2.659	6.3	18.8
4 21	13 49.82	+ 6 39.0	1.706	2.677	6.9	18.9
5 1	13 42.41	+ 7 27.6	1.753	2.696	9.4	19.1
5 11	13 36.21	+ 7 52.9	1.824	2.714	12.3	19.3
5 21	13 31.81	+ 7 55.0	1.916	2.732	15.0	19.5

386099 2007 QC_{1} 4 19.7 225°.70 1°.5/21.3 17

3 12	14 15.22	−18 55.0	2.623	3.385	12.3	21.7
3 22	14 11.08	−18 36.6	2.513	3.374	9.9	21.5
4 1	14 5.12	−18 5.3	2.426	3.362	7.1	21.3
4 11	13 57.81	−17 22.3	2.366	3.349	3.9	21.1
4 21	13 49.77	−16 30.0	2.334	3.336	1.5	20.9
5 1	13 41.77	−15 32.3	2.332	3.323	3.8	21.0
5 11	13 34.54	−14 34.2	2.359	3.309	7.0	21.2
5 21	13 28.69	−13 40.5	2.412	3.294	10.1	21.4

284142 2005 WM_{34} 4 19.7 197°.44 1°.6/20.9 17

3 12	14 20.41	−17 54.2	1.785	2.566	16.5	22.1
3 22	14 15.99	−17 41.7	1.691	2.563	13.3	21.9
4 1	14 8.88	−17 12.6	1.618	2.560	9.4	21.6
4 11	13 59.73	−16 27.8	1.569	2.556	5.0	21.3
4 21	13 49.48	−15 30.9	1.547	2.551	1.6	21.1
5 1	13 39.33	−14 27.7	1.554	2.545	5.2	21.3
5 11	13 30.46	−13 25.7	1.587	2.539	9.6	21.6
5 21	13 23.71	−12 31.8	1.644	2.532	13.7	21.8

172805 2004 FQ_{156} 4 19.7 103°.75 1°.3/18.4 18

3 12	14 14.33	− 9 53.5	2.302	3.102	12.7	20.7
3 22	14 10.36	− 9 20.5	2.224	3.113	9.8	20.5
4 1	14 4.56	− 8 39.2	2.170	3.124	6.5	20.4
4 11	13 57.49	− 7 53.2	2.142	3.135	3.1	20.1
4 21	13 49.84	− 7 6.5	2.143	3.145	1.6	20.0
5 1	13 42.39	− 6 23.7	2.172	3.155	4.8	20.3
5 11	13 35.88	− 5 48.9	2.229	3.166	8.2	20.5
5 21	13 30.84	− 5 24.9	2.310	3.176	11.1	20.7

15348 1994 UJ 4 19.7 218°.50 1°.6/18.5 18

3 12	14 20.10	− 9 29.5	1.827	2.630	15.3	19.2
3 22	14 15.62	− 9 1.6	1.732	2.622	12.1	18.9
4 1	14 8.58	− 8 23.3	1.659	2.613	8.2	18.7
4 11	13 59.58	− 7 38.2	1.611	2.604	3.9	18.4
4 21	13 49.51	− 6 51.2	1.591	2.594	2.0	18.2
5 1	13 39.49	− 6 8.1	1.599	2.583	6.2	18.5
5 11	13 30.65	− 5 34.7	1.633	2.571	10.5	18.7
5 21	13 23.79	− 5 14.9	1.691	2.559	14.4	18.9

148671 2001 SQ_{166} 4 19.7 104°.75 1°.9/17.9 18

3 12	14 15.70	−10 12.8	1.843	2.653	15.0	20.4
3 22	14 11.86	− 9 18.5	1.771	2.665	11.6	20.2
4 1	14 5.77	− 8 12.8	1.721	2.678	7.7	20.0
4 11	13 58.11	− 7 0.7	1.697	2.690	3.7	19.7
4 21	13 49.75	− 5 48.6	1.700	2.701	2.3	19.7
5 1	13 41.68	− 4 43.3	1.731	2.713	6.0	19.9
5 11	13 34.81	− 3 50.6	1.789	2.724	9.9	20.2
5 21	13 29.77	− 3 14.0	1.870	2.735	13.3	20.4

49284 1998 US_{29} 4 19.7 73°.09 5°.0/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 21.59	− 0 12.0	1.594	2.416	16.4	18.5
3 22	14 16.56	+ 0 22.4	1.540	2.439	12.8	18.3
4 1	14 8.94	+ 0 57.7	1.508	2.461	8.9	18.1
4 11	13 59.58	+ 1 27.9	1.500	2.484	5.6	18.0
4 21	13 49.54	+ 1 47.3	1.518	2.506	5.5	18.0
5 1	13 40.01	+ 1 51.5	1.563	2.528	8.4	18.3
5 11	13 32.02	+ 1 38.6	1.633	2.550	11.9	18.5
5 21	13 26.22	+ 1 8.9	1.725	2.572	15.1	18.8

100690 1997 YY_{6} 4 19.7 141°.20 2°.5/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.10	− 4 58.8	2.465	3.260	12.1	22.1
3 22	14 13.84	− 4 22.8	2.389	3.276	9.3	21.9
4 1	14 6.80	− 3 42.4	2.338	3.290	6.3	21.7
4 11	13 58.52	− 3 1.3	2.315	3.304	3.4	21.5
4 21	13 49.70	− 2 23.5	2.321	3.317	2.9	21.5
5 1	13 41.12	− 1 52.9	2.358	3.329	5.5	21.7
5 11	13 33.49	− 1 32.8	2.422	3.340	8.5	21.9
5 21	13 27.34	− 1 24.6	2.511	3.350	11.2	22.1

8131 Scanlon 4 19.7 197°.49 2°.7/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.27	−20 41.5	2.328	3.082	13.9	17.9
3 22	14 14.50	−20 50.0	2.227	3.079	11.3	17.7
4 1	14 7.57	−20 45.0	2.147	3.075	8.3	17.5
4 11	13 59.03	−20 26.4	2.094	3.071	5.0	17.3
4 21	13 49.61	−19 55.7	2.068	3.066	2.7	17.1
5 1	13 40.24	−19 16.1	2.071	3.060	4.4	17.2
5 11	13 31.84	−18 32.7	2.103	3.054	7.7	17.4
5 21	13 25.09	−17 50.7	2.160	3.047	10.9	17.6

240614 2004 XW_{41} 4 19.7 246°.80 4°.9/15.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.12	− 1 39.8	1.776	2.593	15.2	21.0
3 22	14 15.76	− 0 49.7	1.679	2.576	12.0	20.7
4 1	14 8.76	+ 0 6.1	1.604	2.558	8.5	20.4
4 11	13 59.71	+ 1 1.2	1.555	2.539	5.4	20.2
4 21	13 49.50	+ 1 48.9	1.532	2.520	5.4	20.2
5 1	13 39.26	+ 2 22.5	1.537	2.500	8.7	20.3
5 11	13 30.15	+ 2 37.2	1.567	2.479	12.6	20.5
5 21	13 23.06	+ 2 31.2	1.618	2.458	16.3	20.7

168919 2000 YR_{49} 4 19.7 77°.06 1°.1/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.11	−16 19.4	1.509	2.312	18.1	20.6
3 22	14 14.36	−16 6.6	1.439	2.325	14.3	20.3
4 1	14 7.78	−15 36.9	1.389	2.339	9.9	20.1
4 11	13 59.16	−14 52.7	1.362	2.352	5.0	19.9
4 21	13 49.60	−13 58.6	1.361	2.365	1.1	19.6
5 1	13 40.40	−13 1.5	1.386	2.379	5.5	19.9
5 11	13 32.73	−12 9.2	1.437	2.392	10.1	20.2
5 21	13 27.38	−11 27.8	1.510	2.405	14.2	20.5

42941 1999 TX_{74} 4 19.7 50°.41 2°.1/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.06	− 9 39.8	1.397	2.225	17.9	18.4
3 22	14 12.86	− 9 1.6	1.331	2.235	14.0	18.2
4 1	14 6.81	− 8 10.8	1.285	2.246	9.3	17.9
4 11	13 58.71	− 7 13.0	1.263	2.257	4.4	17.7
4 21	13 49.68	− 6 15.1	1.266	2.268	2.6	17.6
5 1	13 41.01	− 5 25.0	1.295	2.280	7.0	17.9
5 11	13 33.89	− 4 49.1	1.347	2.292	11.7	18.2
5 21	13 29.09	− 4 31.1	1.421	2.304	15.7	18.4

37332 2001 QJ_{140} 4 19.7 62°.55 7°.6/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.80	−29 49.3	1.728	2.460	18.8	18.1
3 22	14 16.68	−30 52.2	1.648	2.470	16.1	17.9
4 1	14 9.56	−31 34.1	1.587	2.480	13.0	17.7
4 11	14 0.12	−31 51.1	1.548	2.490	10.0	17.6
4 21	13 49.46	−31 41.6	1.532	2.500	7.9	17.5
5 1	13 38.95	−31 8.0	1.542	2.511	8.0	17.5
5 11	13 29.96	−30 17.2	1.576	2.521	10.2	17.7
5 21	13 23.40	−29 17.9	1.634	2.532	13.2	17.9

461641 2005 EB_{240} 4 19.7 49°.71 0°.1/19.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.94	−12 42.3	1.368	2.187	18.7	21.6
3 22	14 14.46	−12 34.7	1.301	2.199	14.7	21.4
4 1	14 7.98	−12 13.1	1.254	2.211	10.0	21.2
4 11	13 59.30	−11 40.6	1.230	2.223	4.7	20.9
4 21	13 49.60	−11 2.1	1.231	2.236	0.8	20.6
5 1	13 40.27	−10 24.4	1.257	2.249	6.1	21.0
5 11	13 32.58	− 9 54.1	1.308	2.262	11.1	21.3
5 21	13 27.36	− 9 36.1	1.380	2.276	15.3	21.6

46367 2001 UP_{125} 4 19.7 158°.92 5°.3/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.53	+ 0 32.7	2.143	2.960	12.9	19.0
3 22	14 11.42	+ 1 55.3	2.071	2.966	10.1	18.8
4 1	14 5.34	+ 3 21.0	2.022	2.971	7.3	18.6
4 11	13 57.89	+ 4 42.8	2.001	2.976	5.4	18.5
4 21	13 49.81	+ 5 54.1	2.008	2.981	5.9	18.6
5 1	13 41.94	+ 6 49.1	2.043	2.985	8.3	18.7
5 11	13 35.08	+ 7 24.3	2.103	2.988	11.1	18.9
5 21	13 29.79	+ 7 38.7	2.185	2.991	13.8	19.1

506256 2016 PZ_{58} 4 19.7 246°.89 1°.4/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 15.76	− 7 30.4	2.417	3.216	12.2	21.1
3 22	14 11.48	− 7 21.0	2.327	3.215	9.5	20.9
4 1	14 5.36	− 7 6.3	2.261	3.214	6.4	20.7
4 11	13 57.92	− 6 49.0	2.222	3.214	3.1	20.5
4 21	13 49.81	− 6 31.9	2.211	3.213	1.7	20.4
5 1	13 41.81	− 6 18.5	2.229	3.212	4.8	20.6
5 11	13 34.66	− 6 11.8	2.275	3.211	8.1	20.8
5 21	13 28.95	− 6 13.7	2.346	3.210	11.0	21.0

503066 2015 FU_{211} 4 19.7 117°.98 3°.1/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.69	− 3 53.4	2.257	3.067	12.6	20.8
3 22	14 11.41	− 3 12.8	2.183	3.077	9.7	20.7
4 1	14 5.28	− 2 28.0	2.133	3.088	6.6	20.5
4 11	13 57.85	− 1 43.3	2.110	3.098	3.8	20.3
4 21	13 49.84	− 1 3.4	2.115	3.108	3.5	20.3
5 1	13 42.04	− 0 32.6	2.148	3.117	6.1	20.5
5 11	13 35.21	− 0 14.1	2.209	3.126	9.2	20.7
5 21	13 29.90	− 0 9.4	2.292	3.135	12.0	20.9

501713 2014 UH_{28} 4 19.7 260°.57 2°.4/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 22.72	− 5 57.9	1.739	2.546	15.8	21.8
3 22	14 18.00	− 5 50.0	1.635	2.527	12.5	21.5
4 1	14 10.45	− 5 36.1	1.552	2.506	8.6	21.2
4 11	14 0.61	− 5 19.8	1.494	2.485	4.3	20.9
4 21	13 49.39	− 5 5.2	1.463	2.464	2.8	20.8
5 1	13 38.04	− 4 57.0	1.461	2.442	6.9	21.0
5 11	13 27.83	− 4 59.5	1.484	2.420	11.5	21.2
5 21	13 19.76	− 5 15.3	1.530	2.397	15.7	21.4

100367 1995 UY_{40} 4 19.7 194°.65 0°.5/20.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.91	−16 0.3	2.120	2.900	14.3	21.3
3 22	14 13.53	−15 31.5	2.024	2.898	11.3	21.0
4 1	14 6.96	−14 48.6	1.950	2.895	7.8	20.8
4 11	13 58.75	−13 53.9	1.902	2.891	3.9	20.6
4 21	13 49.71	−12 51.2	1.882	2.887	0.6	20.3
5 1	13 40.79	−11 46.1	1.892	2.882	4.6	20.6
5 11	13 32.90	−10 44.8	1.929	2.876	8.6	20.8
5 21	13 26.73	− 9 52.7	1.991	2.869	12.1	21.0

99131 2001 FN_{97} 4 19.7 294°.37 0°.8/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.65	−11 30.5	1.972	2.776	14.3	20.0
3 22	14 11.10	−11 5.7	1.883	2.773	11.2	19.8
4 1	14 5.37	−10 30.0	1.817	2.771	7.6	19.6
4 11	13 58.01	− 9 46.8	1.776	2.769	3.5	19.3
4 21	13 49.83	− 9 0.2	1.762	2.766	1.2	19.1
5 1	13 41.78	− 8 15.6	1.776	2.764	5.2	19.4
5 11	13 34.76	− 7 38.3	1.817	2.761	9.2	19.6
5 21	13 29.47	− 7 12.2	1.881	2.759	12.7	19.8

166423 2002 PZ_{1} 4 19.7 287°.77 4°.0/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.47	−22 58.1	2.041	2.800	15.4	19.9
3 22	14 12.92	−23 21.2	1.927	2.778	12.9	19.7
4 1	14 6.90	−23 28.9	1.833	2.756	9.8	19.5
4 11	13 58.89	−23 19.7	1.762	2.734	6.5	19.2
4 21	13 49.68	−22 54.0	1.718	2.711	4.1	19.0
5 1	13 40.31	−22 14.5	1.701	2.689	5.4	19.0
5 11	13 31.90	−21 26.6	1.711	2.666	8.8	19.2
5 21	13 25.32	−20 37.1	1.745	2.644	12.4	19.4

410311 2007 TK_{404} 4 19.7 72°.97 1°.2/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.93	−16 28.0	1.485	2.287	18.3	21.4
3 22	14 15.00	−16 19.1	1.419	2.304	14.6	21.2
4 1	14 8.22	−15 53.3	1.372	2.321	10.1	21.0
4 11	13 59.38	−15 12.9	1.349	2.339	5.2	20.7
4 21	13 49.64	−14 22.4	1.352	2.356	1.3	20.5
5 1	13 40.31	−13 28.5	1.381	2.373	5.5	20.8
5 11	13 32.57	−12 39.1	1.435	2.391	10.1	21.1
5 21	13 27.19	−11 59.9	1.512	2.408	14.2	21.4

425443 2010 EX_{31} 4 19.7 329°.53 3°.9/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.55	−21 34.0	1.995	2.758	15.6	21.6
3 22	14 14.40	−22 11.2	1.901	2.755	12.9	21.4
4 1	14 7.77	−22 34.5	1.828	2.753	9.6	21.1
4 11	13 59.24	−22 42.6	1.778	2.751	6.2	20.9
4 21	13 49.66	−22 35.9	1.756	2.749	3.9	20.8
5 1	13 40.11	−22 16.7	1.760	2.747	5.3	20.9
5 11	13 31.67	−21 50.0	1.792	2.746	8.6	21.0
5 21	13 25.14	−21 21.5	1.848	2.744	12.0	21.2

419881 2011 AW_{38} 4 19.7 130°.38 3°.2/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.55	− 4 26.6	2.081	2.888	13.6	22.0
3 22	14 13.78	− 3 43.4	2.009	2.902	10.5	21.8
4 1	14 6.94	− 2 55.1	1.961	2.915	7.1	21.6
4 11	13 58.67	− 2 6.5	1.939	2.928	4.0	21.4
4 21	13 49.77	− 1 22.7	1.946	2.940	3.6	21.4
5 1	13 41.14	− 0 48.5	1.981	2.951	6.5	21.6
5 11	13 33.61	− 0 27.5	2.043	2.962	9.8	21.8
5 21	13 27.79	− 0 21.4	2.128	2.972	12.8	22.1

159635 2002 CZ_{46} 4 19.7 119°.01 7°.9/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 28.63	− 3 23.0	1.164	1.992	20.8	20.9
3 22	14 22.75	− 0 44.0	1.120	2.022	16.1	20.6
4 1	14 13.41	+ 2 5.0	1.096	2.051	11.3	20.5
4 11	14 1.76	+ 4 47.6	1.098	2.078	8.1	20.4
4 21	13 49.34	+ 7 7.2	1.127	2.102	9.0	20.5
5 1	13 37.82	+ 8 51.3	1.181	2.125	12.7	20.7
5 11	13 28.56	+ 9 55.0	1.257	2.147	16.8	21.0
5 21	13 22.28	+10 20.5	1.352	2.166	20.3	21.3

391311 2006 TL_{26} 4 19.7 203°.89 0°.2/19.5 17

3 12	14 15.84	−11 37.8	2.563	3.349	11.9	21.2
3 22	14 11.50	−11 30.4	2.467	3.347	9.3	21.0
4 1	14 5.38	−11 15.5	2.395	3.344	6.3	20.8
4 11	13 57.96	−10 54.9	2.349	3.341	3.0	20.6
4 21	13 49.87	−10 31.1	2.333	3.337	0.6	20.4
5 1	13 41.87	−10 7.6	2.346	3.334	4.1	20.6
5 11	13 34.66	− 9 47.6	2.387	3.330	7.4	20.8
5 21	13 28.82	− 9 34.1	2.454	3.326	10.3	21.0

35018 1981 EX_9 4 19.7 206°.94 3°.5/23.4 18

3 12	14 15.42	−24 21.9	2.603	3.341	13.0	20.0
3 22	14 11.33	−24 35.4	2.502	3.338	10.8	19.8
4 1	14 5.36	−24 34.9	2.422	3.335	8.2	19.6
4 11	13 57.98	−24 20.0	2.367	3.333	5.5	19.4
4 21	13 49.87	−23 51.8	2.340	3.329	3.6	19.3
5 1	13 41.81	−23 13.0	2.342	3.326	4.4	19.3
5 11	13 34.58	−22 28.0	2.371	3.323	6.9	19.5
5 21	13 28.80	−21 41.6	2.426	3.319	9.7	19.7

424161 2007 HG_6 4 19.7 1°.91 1°.2/18.9 17

3 12	14 15.22	− 9 24.9	1.415	2.244	17.7	20.6
3 22	14 12.40	− 9 23.7	1.339	2.243	13.9	20.4
4 1	14 6.68	− 9 12.8	1.282	2.242	9.4	20.1
4 11	13 58.78	− 8 55.4	1.249	2.243	4.4	19.8
4 21	13 49.75	− 8 36.0	1.240	2.244	1.6	19.6
5 1	13 40.91	− 8 20.1	1.256	2.246	6.5	19.9
5 11	13 33.51	− 8 12.8	1.296	2.249	11.3	20.2
5 21	13 28.44	− 8 17.6	1.358	2.253	15.5	20.5

436722 2011 UW_{127} 4 19.7 198°.88 2°.5/17.0 17

3 12	14 13.99	− 4 31.7	2.667	3.470	11.0	21.8
3 22	14 9.92	− 3 59.6	2.578	3.468	8.6	21.6
4 1	14 4.23	− 3 23.3	2.513	3.466	5.8	21.5
4 11	13 57.39	− 2 46.4	2.475	3.464	3.2	21.3
4 21	13 49.97	− 2 12.5	2.466	3.461	2.8	21.3
5 1	13 42.66	− 1 45.2	2.487	3.458	5.2	21.4
5 11	13 36.10	− 1 27.4	2.535	3.455	8.1	21.6
5 21	13 30.80	− 1 21.0	2.608	3.452	10.7	21.7

415410 2013 PL_{47} 4 19.7 156°.46 1°.6/21.2 17

3 12	14 17.33	−18 32.3	2.062	2.837	14.8	21.2
3 22	14 13.13	−18 18.1	1.974	2.842	11.9	21.0
4 1	14 6.69	−17 49.0	1.908	2.847	8.4	20.8
4 11	13 58.64	−17 6.3	1.866	2.851	4.6	20.5
4 21	13 49.78	−16 13.2	1.852	2.855	1.6	20.3
5 1	13 41.10	−15 14.8	1.867	2.859	4.4	20.5
5 11	13 33.53	−14 17.4	1.910	2.862	8.2	20.8
5 21	13 27.72	−13 26.4	1.977	2.865	11.7	21.0

94507 2001 UC_{75} 4 19.7 239°.15 1°.4/18.5 17

3 12	14 18.11	−11 39.6	1.764	2.568	15.8	21.0
3 22	14 14.26	−10 53.6	1.663	2.554	12.5	20.8
4 1	14 7.80	− 9 52.9	1.584	2.538	8.4	20.5
4 11	13 59.31	− 8 41.2	1.530	2.523	4.0	20.2
4 21	13 49.67	− 7 24.5	1.503	2.506	1.9	20.0
5 1	13 40.02	− 6 10.6	1.504	2.489	6.4	20.3
5 11	13 31.52	− 5 7.1	1.531	2.471	11.0	20.5
5 21	13 25.03	− 4 19.7	1.582	2.452	15.1	20.7

304051 2006 ES_{33} 4 19.7 26°.09 4°.3/17.2 18

3 12	14 14.85	− 5 29.0	1.084	1.938	20.2	20.2
3 22	14 12.61	− 4 47.9	1.028	1.947	15.7	20.0
4 1	14 7.00	− 3 57.3	0.991	1.956	10.6	19.7
4 11	13 58.93	− 3 5.1	0.974	1.967	5.7	19.5
4 21	13 49.75	− 2 20.3	0.981	1.978	4.9	19.5
5 1	13 41.04	− 1 51.0	1.010	1.991	9.2	19.7
5 11	13 34.21	− 1 42.8	1.060	2.005	14.1	20.0
5 21	13 30.10	− 1 56.8	1.130	2.019	18.4	20.3

303781 2005 RP 4 19.7 202°.30 1°.7/17.6 17

3 12	14 12.84	− 7 39.0	2.882	3.679	10.5	21.9
3 22	14 8.93	− 6 59.0	2.787	3.675	8.1	21.7
4 1	14 3.52	− 6 12.9	2.717	3.671	5.4	21.5
4 11	13 57.04	− 5 23.8	2.675	3.666	2.7	21.3
4 21	13 50.03	− 4 35.3	2.662	3.661	2.0	21.3
5 1	13 43.10	− 3 51.3	2.679	3.655	4.6	21.5
5 11	13 36.86	− 3 15.1	2.724	3.650	7.4	21.6
5 21	13 31.77	− 2 49.3	2.795	3.644	9.9	21.8

338346 2002 XV_2 4 19.7 159°.24 1°.9/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 14.39	− 6 36.9	2.884	3.679	10.5	21.8
3 22	14 10.04	− 5 56.5	2.799	3.686	8.1	21.6
4 1	14 4.21	− 5 10.9	2.740	3.693	5.4	21.5
4 11	13 57.34	− 4 23.4	2.709	3.699	2.8	21.3
4 21	13 50.00	− 3 37.5	2.707	3.704	2.3	21.3
5 1	13 42.79	− 2 57.0	2.736	3.709	4.7	21.4
5 11	13 36.32	− 2 25.1	2.793	3.714	7.4	21.6
5 21	13 31.03	− 2 3.7	2.875	3.718	9.8	21.8

204668 2006 DP_{15} 4 19.7 278°.98 1°.9/18.1 17

3 12	14 15.40	− 8 26.6	1.952	2.762	14.2	20.8
3 22	14 11.86	− 7 56.2	1.850	2.745	11.2	20.5
4 1	14 6.03	− 7 16.5	1.770	2.727	7.6	20.3
4 11	13 58.42	− 6 31.1	1.716	2.708	3.7	20.0
4 21	13 49.82	− 5 44.9	1.689	2.690	2.3	19.8
5 1	13 41.19	− 5 3.4	1.689	2.672	6.1	20.0
5 11	13 33.53	− 4 32.0	1.716	2.653	10.1	20.2
5 21	13 27.62	− 4 14.2	1.766	2.634	13.8	20.4

370696 2004 JA_3 4 19.7 330°.36 4°.4/17.3 18

3 12	14 20.55	− 1 4.6	1.538	2.363	16.7	20.3
3 22	14 16.37	− 0 56.0	1.455	2.357	13.2	20.0
4 1	14 9.30	− 0 46.3	1.394	2.350	9.2	19.8
4 11	14 0.03	− 0 40.5	1.357	2.344	5.4	19.6
4 21	13 49.59	− 0 43.5	1.345	2.339	4.8	19.5
5 1	13 39.28	− 0 59.6	1.359	2.334	8.3	19.7
5 11	13 30.37	− 1 31.0	1.398	2.329	12.5	19.9
5 21	13 23.76	− 2 17.8	1.459	2.325	16.4	20.1

97275 1999 XT_{142} 4 19.7 69°.55 13°.7/ 7.8 18

3 12	14 23.10	−53 58.1	2.213	2.748	19.5	18.4
3 22	14 19.26	−55 14.6	2.128	2.753	18.5	18.3
4 1	14 11.77	−56 3.6	2.054	2.757	17.2	18.2
4 11	14 1.36	−56 18.4	1.996	2.761	15.8	18.1
4 21	13 49.38	−55 54.2	1.954	2.766	14.6	18.0
5 1	13 37.60	−54 50.2	1.932	2.770	13.9	17.9
5 11	13 27.74	−53 11.5	1.930	2.775	13.7	17.9
5 21	13 20.93	−51 7.1	1.950	2.779	14.3	18.0

506348 2017 OK_{52} 4 19.7 266°.26 2°.7/21.6 17

3 12	14 20.64	−19 17.7	1.824	2.598	16.5	21.5
3 22	14 16.56	−19 28.4	1.706	2.571	13.5	21.2
4 1	14 9.64	−19 23.5	1.608	2.544	9.9	20.9
4 11	14 0.34	−19 2.2	1.534	2.516	5.8	20.6
4 21	13 49.52	−18 25.5	1.486	2.487	2.7	20.3
5 1	13 38.41	−17 37.3	1.466	2.457	5.5	20.4
5 11	13 28.33	−16 44.4	1.472	2.427	10.1	20.6
5 21	13 20.34	−15 54.1	1.503	2.395	14.4	20.8

246563 2008 SQ_{172} 4 19.7 158°.73 1°.6/18.2 17

3 12	14 14.76	− 9 37.8	2.165	2.968	13.3	21.3
3 22	14 10.92	− 8 56.1	2.081	2.971	10.3	21.1
4 1	14 5.09	− 8 5.1	2.019	2.974	6.9	20.9
4 11	13 57.85	− 7 8.7	1.984	2.977	3.3	20.7
4 21	13 49.93	− 6 11.8	1.978	2.979	2.0	20.6
5 1	13 42.17	− 5 19.5	2.000	2.981	5.3	20.8
5 11	13 35.39	− 4 36.9	2.049	2.983	8.9	21.0
5 21	13 30.17	− 4 7.1	2.122	2.985	12.1	21.2

146487 2001 RQ_{151} 4 19.7 235°.16 5°.5/14.5 17 R

3 12	14 16.34	+ 0 48.4	2.035	2.853	13.4	20.7
3 22	14 12.36	+ 1 57.6	1.946	2.842	10.6	20.5
4 1	14 6.22	+ 3 10.3	1.881	2.830	7.7	20.3
4 11	13 58.46	+ 4 20.1	1.842	2.818	5.6	20.1
4 21	13 49.85	+ 5 20.1	1.830	2.806	6.1	20.1
5 1	13 41.32	+ 6 4.1	1.846	2.793	8.7	20.3
5 11	13 33.78	+ 6 28.3	1.886	2.779	11.8	20.4
5 21	13 27.91	+ 6 31.3	1.949	2.765	14.8	20.6

410379 2007 VL_{220} 4 19.7 178°.41 2°.3/22.1 17

3 12	14 19.07	−22 1.2	2.221	2.973	14.5	22.5
3 22	14 14.39	−21 37.4	2.124	2.975	11.8	22.3
4 1	14 7.51	−20 56.2	2.049	2.977	8.6	22.1
4 11	13 59.03	−19 58.6	2.000	2.978	5.1	21.9
4 21	13 49.77	−18 47.5	1.978	2.978	2.4	21.7
5 1	13 40.66	−17 28.4	1.987	2.978	4.3	21.8
5 11	13 32.63	−16 8.1	2.024	2.976	7.9	22.1
5 21	13 26.33	−14 53.2	2.087	2.973	11.3	22.3

198438 2004 WA_6 4 19.7 288°.09 1°.8/21.0 17

3 12	14 17.56	−17 0.6	1.908	2.692	15.5	20.2
3 22	14 13.94	−17 7.9	1.788	2.662	12.6	19.9
4 1	14 7.73	−17 1.9	1.690	2.633	9.0	19.6
4 11	13 59.38	−16 42.6	1.616	2.602	5.0	19.3
4 21	13 49.68	−16 11.6	1.569	2.572	1.8	19.1
5 1	13 39.73	−15 32.9	1.549	2.541	5.1	19.2
5 11	13 30.70	−14 52.3	1.556	2.510	9.6	19.4
5 21	13 23.56	−14 16.0	1.587	2.479	13.8	19.6

290338 2005 SR_{236} 4 19.7 271°.49 1°.1/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 16.73	−16 49.0	1.428	2.236	18.6	21.7
3 22	14 13.94	−16 30.6	1.331	2.220	15.1	21.4
4 1	14 8.03	−15 51.9	1.253	2.204	10.6	21.1
4 11	13 59.59	−14 54.5	1.198	2.188	5.5	20.7
4 21	13 49.66	−13 42.6	1.167	2.172	1.1	20.4
5 1	13 39.66	−12 24.4	1.162	2.155	6.2	20.7
5 11	13 31.06	−11 10.0	1.181	2.138	11.7	20.9
5 21	13 24.94	−10 8.3	1.222	2.121	16.6	21.2

360000 2012 XX_{21} 4 19.7 78°.10 0°.7/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.84	−11 8.9	2.298	3.093	12.8	21.5
3 22	14 10.76	−10 46.3	2.224	3.110	10.0	21.3
4 1	14 4.86	−10 15.2	2.175	3.127	6.7	21.2
4 11	13 57.69	− 9 38.7	2.151	3.144	3.1	21.0
4 21	13 49.98	− 9 0.2	2.156	3.160	1.0	20.8
5 1	13 42.50	− 8 24.0	2.190	3.177	4.4	21.1
5 11	13 35.98	− 7 54.1	2.252	3.193	7.8	21.3
5 21	13 30.95	− 7 33.3	2.338	3.210	10.8	21.6

500708 2012 WB_{19} 4 19.7 177°.13 1°.6/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.46	− 7 13.4	2.474	3.271	12.0	21.6
3 22	14 11.99	− 6 57.5	2.385	3.272	9.3	21.4
4 1	14 5.71	− 6 36.2	2.320	3.273	6.3	21.2
4 11	13 58.13	− 6 12.5	2.282	3.273	3.0	21.0
4 21	13 49.91	− 5 49.4	2.273	3.274	1.9	20.9
5 1	13 41.81	− 5 30.4	2.293	3.274	4.8	21.1
5 11	13 34.56	− 5 18.7	2.341	3.273	8.0	21.3
5 21	13 28.72	− 5 16.2	2.414	3.273	10.9	21.5

209130 2003 SQ_{230} 4 19.7 149°.39 0°.8/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 21.21	−14 20.6	1.737	2.529	16.5	20.6
3 22	14 16.58	−14 25.2	1.654	2.534	13.1	20.4
4 1	14 9.27	−14 17.4	1.591	2.539	9.1	20.1
4 11	13 59.96	−13 58.8	1.554	2.543	4.5	19.9
4 21	13 49.63	−13 32.3	1.543	2.548	0.9	19.6
5 1	13 39.49	−13 2.4	1.560	2.551	5.2	19.9
5 11	13 30.69	−12 34.9	1.604	2.555	9.6	20.2
5 21	13 24.03	−12 14.6	1.671	2.558	13.5	20.4

289750 2005 JH_{60} 4 19.7 264°.61 2°.4/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.38	− 6 50.6	2.253	3.063	12.6	21.6
3 22	14 9.87	− 6 6.6	2.157	3.052	9.8	21.4
4 1	14 4.44	− 5 15.0	2.084	3.040	6.6	21.2
4 11	13 57.59	− 4 19.9	2.038	3.029	3.4	21.0
4 21	13 49.99	− 3 26.1	2.020	3.017	2.8	20.9
5 1	13 42.45	− 2 38.8	2.030	3.005	5.8	21.1
5 11	13 35.77	− 2 2.6	2.067	2.994	9.3	21.3
5 21	13 30.55	− 1 40.3	2.127	2.982	12.4	21.5

154939 2004 TJ_{53} 4 19.7 266°.49 0°.1/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.16	−13 52.9	2.009	2.804	14.4	20.3
3 22	14 11.66	−13 27.0	1.904	2.788	11.4	20.0
4 1	14 5.88	−12 48.0	1.821	2.772	7.9	19.8
4 11	13 58.36	−11 58.2	1.764	2.755	3.8	19.5
4 21	13 49.87	−11 1.6	1.734	2.738	0.6	19.2
5 1	13 41.36	−10 3.8	1.732	2.721	5.0	19.5
5 11	13 33.82	− 9 11.1	1.757	2.704	9.2	19.7
5 21	13 28.00	− 8 28.6	1.806	2.687	13.0	19.9

378504 2007 TK_{418} 4 19.7 94°.78 0°.2/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.00	−12 26.7	2.297	3.087	13.0	21.4
3 22	14 11.69	−12 9.1	2.221	3.103	10.2	21.2
4 1	14 5.50	−11 42.2	2.169	3.119	6.8	21.1
4 11	13 58.02	−11 8.8	2.143	3.134	3.2	20.9
4 21	13 49.95	−10 32.0	2.145	3.150	0.6	20.7
5 1	13 42.11	− 9 56.1	2.177	3.165	4.3	21.0
5 11	13 35.26	− 9 25.1	2.236	3.180	7.7	21.2
5 21	13 29.93	− 9 2.3	2.321	3.195	10.7	21.4

496575 2015 AH_{198} 4 19.7 204°.32 0°.8/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.36	−15 6.3	2.015	2.798	14.8	22.5
3 22	14 14.86	−15 1.3	1.919	2.795	11.8	22.3
4 1	14 8.00	−14 44.1	1.845	2.790	8.2	22.0
4 11	13 59.35	−14 16.2	1.797	2.785	4.2	21.8
4 21	13 49.74	−13 40.4	1.776	2.780	0.8	21.5
5 1	13 40.20	−13 1.2	1.783	2.774	4.7	21.8
5 11	13 31.75	−12 24.0	1.818	2.768	8.8	22.0
5 21	13 25.13	−11 53.7	1.878	2.761	12.5	22.2

379012 2008 UJ_{354} 4 19.7 147°.06 5°.9/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.45	+ 4 53.2	2.334	3.148	12.1	20.8
3 22	14 11.20	+ 6 0.5	2.266	3.155	9.6	20.6
4 1	14 5.15	+ 7 6.6	2.222	3.162	7.3	20.5
4 11	13 57.84	+ 8 5.5	2.204	3.168	5.9	20.4
4 21	13 49.98	+ 8 51.7	2.214	3.174	6.4	20.4
5 1	13 42.32	+ 9 21.0	2.252	3.180	8.4	20.6
5 11	13 35.59	+ 9 31.4	2.314	3.185	10.8	20.7
5 21	13 30.33	+ 9 23.0	2.399	3.189	13.1	20.9

184704 2005 SG_{123} 4 19.7 263°.56 2°.6/22.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 16.44	−19 49.0	2.465	3.225	13.1	20.3
3 22	14 12.25	−20 8.6	2.361	3.217	10.6	20.1
4 1	14 6.07	−20 16.8	2.280	3.209	7.8	19.9
4 11	13 58.39	−20 13.4	2.224	3.201	4.7	19.7
4 21	13 49.88	−19 59.5	2.196	3.194	2.6	19.5
5 1	13 41.38	−19 37.6	2.197	3.186	4.2	19.6
5 11	13 33.70	−19 11.6	2.225	3.178	7.2	19.8
5 21	13 27.52	−18 45.8	2.280	3.170	10.3	20.0

498756 2008 UX_{10} 4 19.7 209°.82 0°.9/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.21	−16 56.5	2.191	2.971	13.9	22.0
3 22	14 11.40	−16 34.1	2.094	2.967	11.1	21.8
4 1	14 5.52	−15 58.0	2.020	2.963	7.7	21.5
4 11	13 58.12	−15 10.0	1.971	2.959	4.0	21.3
4 21	13 49.93	−14 13.4	1.951	2.955	0.9	21.1
5 1	13 41.83	−13 13.4	1.959	2.950	4.3	21.3
5 11	13 34.70	−12 15.7	1.995	2.945	8.1	21.5
5 21	13 29.17	−11 25.6	2.055	2.940	11.5	21.7

430406 1994 VZ_{4} 4 19.7 181°.25 0°.6/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.83	−14 27.4	2.426	3.202	12.8	22.2
3 22	14 13.18	−14 24.0	2.331	3.203	10.1	22.0
4 1	14 6.59	−14 10.9	2.259	3.203	7.0	21.8
4 11	13 58.59	−13 49.6	2.215	3.203	3.5	21.6
4 21	13 49.86	−13 22.5	2.198	3.203	0.7	21.4
5 1	13 41.23	−12 53.1	2.212	3.202	4.0	21.6
5 11	13 33.49	−12 25.3	2.254	3.201	7.5	21.8
5 21	13 27.26	−12 2.9	2.321	3.199	10.6	22.0

56250 1999 JE_{76} 4 19.7 16°.42 3°.9/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.20	−23 25.8	1.733	2.505	17.3	18.8
3 22	14 12.08	−23 30.3	1.646	2.506	14.3	18.6
4 1	14 6.33	−23 14.6	1.578	2.507	10.7	18.4
4 11	13 58.60	−22 38.5	1.533	2.508	6.8	18.1
4 21	13 49.85	−21 44.0	1.514	2.510	4.0	18.0
5 1	13 41.26	−20 36.7	1.521	2.511	5.4	18.1
5 11	13 33.96	−19 24.6	1.553	2.513	9.1	18.3
5 21	13 28.75	−18 15.7	1.610	2.515	12.9	18.5

364852 2008 CP_{209} 4 19.7 55°.37 4°.1/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.97	−26 7.8	2.321	3.061	14.3	20.1
3 22	14 10.41	−26 15.2	2.230	3.066	11.9	19.9
4 1	14 4.83	−26 5.7	2.160	3.071	9.2	19.7
4 11	13 57.77	−25 38.9	2.114	3.076	6.3	19.6
4 21	13 49.98	−24 56.2	2.095	3.082	4.3	19.4
5 1	13 42.33	−24 1.3	2.103	3.087	4.8	19.5
5 11	13 35.66	−22 59.8	2.139	3.093	7.4	19.6
5 21	13 30.59	−21 57.6	2.200	3.099	10.2	19.8

384528 2010 DV_{38} 4 19.7 327°.85 6°.3/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.74	−24 51.8	1.628	2.399	18.2	19.7
3 22	14 12.32	−25 49.4	1.524	2.378	15.5	19.4
4 1	14 6.95	−26 30.3	1.438	2.358	12.2	19.2
4 11	13 59.13	−26 51.0	1.374	2.338	8.8	18.9
4 21	13 49.75	−26 49.5	1.334	2.320	6.5	18.7
5 1	13 40.14	−26 27.4	1.319	2.302	7.3	18.7
5 11	13 31.71	−25 50.3	1.327	2.285	10.6	18.9
5 21	13 25.60	−25 6.2	1.358	2.269	14.4	19.1

316664 1995 BU_{11} 4 19.7 56°.84 1°.2/20.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.03	−15 40.2	1.312	2.126	19.7	21.5
3 22	14 15.49	−15 41.2	1.249	2.141	15.6	21.3
4 1	14 8.78	−15 25.0	1.204	2.156	10.8	21.1
4 11	13 59.77	−14 53.7	1.181	2.171	5.5	20.8
4 21	13 49.70	−14 11.8	1.183	2.187	1.3	20.5
5 1	13 40.07	−13 26.3	1.210	2.204	5.9	20.9
5 11	13 32.20	−12 45.1	1.262	2.220	10.9	21.2
5 21	13 26.93	−12 14.4	1.334	2.236	15.3	21.5

352073 2006 WW_{113} 4 19.7 160°.47 5°.0/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.42	−33 4.1	3.170	3.843	12.0	22.3
3 22	14 11.83	−33 18.3	3.071	3.849	10.4	22.1
4 1	14 5.55	−33 17.0	2.992	3.855	8.5	22.0
4 11	13 58.06	−32 59.1	2.937	3.861	6.6	21.9
4 21	13 49.96	−32 24.8	2.909	3.866	5.3	21.8
5 1	13 41.98	−31 36.4	2.910	3.870	5.2	21.8
5 11	13 34.79	−30 37.7	2.939	3.875	6.4	21.9
5 21	13 28.93	−29 33.6	2.994	3.878	8.3	22.0

248152 2004 TT_{203} 4 19.7 68°.20 0°.1/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.41	−12 3.5	1.909	2.708	14.9	20.7
3 22	14 13.36	−11 59.6	1.824	2.710	11.8	20.5
4 1	14 6.96	−11 45.8	1.760	2.712	8.0	20.3
4 11	13 58.84	−11 24.3	1.722	2.713	3.8	20.0
4 21	13 49.84	−10 58.3	1.710	2.715	0.6	19.7
5 1	13 40.99	−10 32.2	1.727	2.717	5.0	20.1
5 11	13 33.27	−10 10.8	1.770	2.718	9.1	20.3
5 21	13 27.39	− 9 57.7	1.837	2.720	12.7	20.5

336386 2008 UL_{76} 4 19.7 209°.76 0°.8/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 16.19	−15 41.7	2.320	3.098	13.2	22.0
3 22	14 12.05	−15 30.8	2.222	3.094	10.5	21.8
4 1	14 5.92	−15 8.5	2.146	3.090	7.3	21.5
4 11	13 58.31	−14 36.3	2.097	3.085	3.7	21.3
4 21	13 49.92	−13 57.0	2.075	3.080	0.8	21.1
5 1	13 41.61	−13 14.6	2.083	3.074	4.1	21.3
5 11	13 34.20	−12 33.9	2.119	3.068	7.8	21.5
5 21	13 28.33	−11 59.3	2.180	3.062	11.0	21.7

437200 2012 WY_{5} 4 19.7 188°.59 1°.3/18.5 17

3 12	14 14.78	− 9 11.2	2.239	3.041	12.9	21.3
3 22	14 10.91	− 8 49.4	2.151	3.041	10.1	21.1
4 1	14 5.11	− 8 20.0	2.087	3.041	6.8	20.9
4 11	13 57.90	− 7 46.0	2.048	3.041	3.2	20.7
4 21	13 49.99	− 7 11.2	2.038	3.041	1.6	20.6
5 1	13 42.20	− 6 39.9	2.056	3.040	5.0	20.8
5 11	13 35.34	− 6 16.0	2.102	3.040	8.5	21.0
5 21	13 29.99	− 6 2.3	2.172	3.040	11.6	21.2

207035 2004 WR_{5} 4 19.7 32°.68 0°.6/19.3 18

3 12	14 15.26	−12 55.4	1.254	2.084	19.5	20.8
3 22	14 12.70	−12 30.2	1.187	2.091	15.3	20.5
4 1	14 6.99	−11 48.1	1.139	2.098	10.4	20.3
4 11	13 58.97	−10 53.4	1.113	2.106	4.9	20.0
4 21	13 49.83	− 9 53.0	1.111	2.115	1.2	19.7
5 1	13 41.04	− 8 55.5	1.133	2.125	6.7	20.1
5 11	13 33.94	− 8 9.2	1.179	2.134	11.9	20.4
5 21	13 29.38	− 7 39.5	1.246	2.145	16.4	20.7

502217 2015 BF_{86} 4 19.7 125°.72 1°.2/18.7 17

3 12	14 16.13	−10 48.2	1.938	2.743	14.5	21.5
3 22	14 12.23	−10 15.8	1.858	2.748	11.4	21.3
4 1	14 6.11	− 9 32.9	1.799	2.754	7.6	21.1
4 11	13 58.40	− 8 43.1	1.766	2.759	3.6	20.9
4 21	13 49.93	− 7 51.3	1.761	2.764	1.5	20.7
5 1	13 41.65	− 7 3.0	1.784	2.769	5.4	21.0
5 11	13 34.50	− 6 23.7	1.833	2.774	9.3	21.3
5 21	13 29.11	− 5 56.9	1.906	2.779	12.8	21.5

138842 2000 VN_{22} 4 19.7 82°.68 2°.5/17.2 18

3 12	14 14.13	− 5 6.1	2.384	3.192	12.0	19.9
3 22	14 10.16	− 4 32.8	2.309	3.203	9.3	19.8
4 1	14 4.45	− 3 55.0	2.258	3.213	6.3	19.6
4 11	13 57.53	− 3 16.5	2.235	3.224	3.4	19.4
4 21	13 50.06	− 2 41.2	2.239	3.235	2.9	19.4
5 1	13 42.79	− 2 13.2	2.272	3.246	5.5	19.6
5 11	13 36.42	− 1 55.6	2.332	3.256	8.5	19.8
5 21	13 31.44	− 1 49.9	2.416	3.267	11.2	20.0

424118 2007 EL_{117} 4 19.7 96°.73 1°.2/18.9 18

3 12	14 21.62	− 8 14.3	1.906	2.705	14.9	21.2
3 22	14 16.46	− 8 15.5	1.832	2.719	11.7	21.0
4 1	14 8.93	− 8 10.3	1.780	2.733	7.8	20.8
4 11	13 59.72	− 8 1.3	1.755	2.747	3.7	20.6
4 21	13 49.74	− 7 51.8	1.757	2.760	1.5	20.4
5 1	13 40.04	− 7 45.2	1.788	2.773	5.4	20.7
5 11	13 31.59	− 7 45.1	1.846	2.786	9.3	21.0
5 21	13 25.08	− 7 53.6	1.928	2.799	12.7	21.2

336324 2008 TB_{72} 4 19.7 194°.83 2°.0/17.8 17

3 12	14 16.11	− 7 12.6	2.300	3.102	12.6	22.0
3 22	14 11.89	− 6 39.6	2.210	3.100	9.8	21.8
4 1	14 5.74	− 5 59.9	2.144	3.098	6.6	21.6
4 11	13 58.20	− 5 17.0	2.105	3.096	3.3	21.4
4 21	13 49.96	− 4 35.2	2.094	3.093	2.4	21.3
5 1	13 41.84	− 3 59.0	2.112	3.090	5.4	21.5
5 11	13 34.62	− 3 32.3	2.157	3.086	8.8	21.7
5 21	13 28.90	− 3 17.7	2.227	3.082	11.8	21.9

111191 2001 WY_{15} 4 19.7 70°.50 8°.7/24.9 18

3 12	14 28.30	−30 6.2	1.791	2.505	18.8	18.6
3 22	14 22.75	−31 50.3	1.711	2.516	16.2	18.4
4 1	14 13.90	−33 16.8	1.649	2.528	13.4	18.3
4 11	14 2.38	−34 19.6	1.610	2.540	10.6	18.1
4 21	13 49.33	−34 54.3	1.597	2.552	8.9	18.1
5 1	13 36.29	−35 0.7	1.609	2.564	9.1	18.1
5 11	13 24.79	−34 44.0	1.647	2.576	11.0	18.2
5 21	13 15.94	−34 12.4	1.707	2.588	13.7	18.4

69115 2003 DD_{21} 4 19.7 39°.35 0°.7/19.1 17

3 12	14 13.48	−11 35.3	1.941	2.748	14.4	20.1
3 22	14 10.12	−11 10.6	1.868	2.760	11.2	20.0
4 1	14 4.64	−10 35.6	1.817	2.772	7.5	19.8
4 11	13 57.68	− 9 53.6	1.791	2.784	3.5	19.5
4 21	13 50.04	− 9 9.1	1.793	2.797	1.1	19.4
5 1	13 42.65	− 8 27.2	1.822	2.810	5.0	19.7
5 11	13 36.34	− 7 52.8	1.877	2.823	8.8	19.9
5 21	13 31.74	− 7 29.4	1.956	2.837	12.2	20.2

497200 2004 TH_{219} 4 19.7 186°.40 0°.3/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 15.69	−13 36.8	2.348	3.134	12.9	22.3
3 22	14 11.56	−13 2.9	2.254	3.134	10.1	22.1
4 1	14 5.52	−12 17.8	2.184	3.133	6.9	21.9
4 11	13 58.09	−11 24.1	2.140	3.132	3.2	21.7
4 21	13 49.98	−10 25.8	2.125	3.130	0.6	21.4
5 1	13 41.99	− 9 27.8	2.140	3.128	4.4	21.7
5 11	13 34.90	− 8 35.3	2.183	3.125	8.0	21.9
5 21	13 29.31	− 7 52.4	2.250	3.122	11.1	22.1

338092 2002 PJ_{182} 4 19.7 299°.99 4°.7/23.2 17

3 12	14 16.73	−23 48.0	1.935	2.694	16.2	21.0
3 22	14 13.26	−24 22.5	1.830	2.679	13.5	20.7
4 1	14 7.22	−24 41.2	1.745	2.665	10.4	20.5
4 11	13 59.12	−24 42.2	1.683	2.650	7.1	20.3
4 21	13 49.81	−24 25.2	1.646	2.636	4.8	20.1
5 1	13 40.41	−23 52.9	1.637	2.622	5.8	20.1
5 11	13 32.06	−23 10.8	1.653	2.608	9.1	20.3
5 21	13 25.68	−22 25.6	1.693	2.595	12.6	20.5

210132 2006 RP_{82} 4 19.7 168°.20 0°.6/20.3 18

3 12	14 14.83	−15 3.4	2.552	3.330	12.2	21.4
3 22	14 10.75	−14 50.6	2.460	3.333	9.6	21.2
4 1	14 4.90	−14 27.8	2.390	3.335	6.6	21.0
4 11	13 57.79	−13 56.7	2.347	3.336	3.3	20.8
4 21	13 50.05	−13 19.9	2.333	3.338	0.6	20.6
5 1	13 42.42	−12 41.2	2.349	3.339	3.8	20.8
5 11	13 35.62	−12 4.7	2.392	3.340	7.1	21.0
5 21	13 30.18	−11 33.9	2.461	3.341	10.0	21.2

371001 2005 TZ_{90} 4 19.7 165°.33 0°.6/19.2 17

3 12	14 17.50	−11 56.9	2.009	2.805	14.4	22.3
3 22	14 13.28	−11 33.1	1.923	2.809	11.3	22.1
4 1	14 6.84	−10 58.6	1.860	2.811	7.6	21.8
4 11	13 58.78	−10 16.2	1.822	2.814	3.6	21.6
4 21	13 49.91	− 9 30.2	1.812	2.816	1.0	21.4
5 1	13 41.21	− 8 45.7	1.830	2.818	5.1	21.7
5 11	13 33.60	− 8 7.9	1.876	2.819	9.0	21.9
5 21	13 27.75	− 7 40.7	1.945	2.820	12.5	22.1

192748 1999 TX_{249} 4 19.7 241°.22 2°.7/22.1 18

3 12	14 16.87	−20 44.9	2.154	2.918	14.6	20.5
3 22	14 12.92	−20 51.1	2.051	2.909	11.9	20.3
4 1	14 6.71	−20 42.7	1.969	2.900	8.7	20.1
4 11	13 58.78	−20 19.6	1.912	2.890	5.3	19.8
4 21	13 49.91	−19 43.5	1.882	2.880	2.8	19.7
5 1	13 41.04	−18 58.0	1.880	2.870	4.6	19.8
5 11	13 33.15	−18 8.7	1.906	2.860	8.1	20.0
5 21	13 26.98	−17 21.5	1.956	2.850	11.6	20.1

518539 2006 UJ_{363} 4 19.7 172°.46 0°.1/19.9 17

3 12	14 14.16	−13 47.7	2.935	3.711	10.8	22.8
3 22	14 9.96	−13 27.1	2.841	3.714	8.5	22.6
4 1	14 4.24	−12 58.0	2.771	3.717	5.8	22.4
4 11	13 57.44	−12 22.4	2.728	3.719	2.8	22.2
4 21	13 50.12	−11 42.8	2.715	3.720	0.4	22.0
5 1	13 42.90	−11 2.6	2.733	3.721	3.5	22.3
5 11	13 36.40	−10 25.5	2.779	3.722	6.4	22.5
5 21	13 31.07	− 9 54.4	2.851	3.722	9.1	22.6

200694 2001 UB_{58} 4 19.7 1°.82 0°.5/20.1 18

3 12	14 15.06	−16 20.1	1.345	2.161	19.1	20.1
3 22	14 12.53	−15 50.0	1.266	2.160	15.3	19.8
4 1	14 6.93	−14 59.1	1.206	2.160	10.6	19.5
4 11	13 59.01	−13 50.3	1.169	2.160	5.2	19.2
4 21	13 49.89	−12 30.1	1.156	2.160	0.7	18.9
5 1	13 40.98	−11 7.8	1.168	2.161	6.2	19.3
5 11	13 33.63	− 9 53.6	1.205	2.162	11.5	19.6
5 21	13 28.76	− 8 55.4	1.262	2.163	16.1	19.9

239985 2001 RS_{130} 4 19.7 184°.32 2°.4/17.8 17

3 12	14 18.97	− 8 55.8	1.716	2.526	15.9	21.6
3 22	14 14.80	− 8 6.6	1.632	2.527	12.4	21.4
4 1	14 8.07	− 7 6.0	1.570	2.527	8.3	21.2
4 11	13 59.43	− 5 58.8	1.534	2.526	4.1	20.9
4 21	13 49.83	− 4 51.5	1.525	2.525	2.8	20.8
5 1	13 40.42	− 3 51.6	1.543	2.523	6.8	21.1
5 11	13 32.28	− 3 5.3	1.587	2.521	11.1	21.3
5 21	13 26.20	− 2 36.5	1.654	2.518	14.9	21.5

251003 2006 PB 4 19.7 222°.04 0°.4/20.1 17 R

3 12	14 18.31	−15 20.0	2.131	2.912	14.2	21.5
3 22	14 13.98	−14 54.6	2.027	2.901	11.3	21.2
4 1	14 7.40	−14 15.7	1.944	2.890	7.8	21.0
4 11	13 59.11	−13 25.3	1.888	2.878	3.9	20.7
4 21	13 49.89	−12 27.0	1.860	2.865	0.5	20.4
5 1	13 40.69	−11 26.1	1.861	2.851	4.7	20.7
5 11	13 32.46	−10 28.7	1.890	2.837	8.7	20.9
5 21	13 25.95	− 9 40.1	1.944	2.822	12.4	21.1

277625 2006 BX_{33} 4 19.7 41°.35 3°.3/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 14.04	− 6 0.2	1.825	2.647	14.6	20.5
3 22	14 10.73	− 5 6.1	1.748	2.649	11.3	20.3
4 1	14 5.18	− 4 3.9	1.694	2.652	7.7	20.1
4 11	13 58.01	− 2 59.2	1.665	2.655	4.2	19.9
4 21	13 50.07	− 1 58.4	1.663	2.658	3.8	19.9
5 1	13 42.34	− 1 7.9	1.688	2.662	7.0	20.1
5 11	13 35.73	− 0 32.8	1.738	2.665	10.7	20.3
5 21	13 30.90	− 0 15.4	1.811	2.668	14.1	20.5

363519 2003 UB_{152} 4 19.7 220°.98 2°.4/17.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.54	− 8 35.3	1.963	2.769	14.3	22.0
3 22	14 13.46	− 7 43.1	1.867	2.760	11.2	21.8
4 1	14 7.08	− 6 40.0	1.795	2.750	7.6	21.5
4 11	13 58.97	− 5 30.7	1.748	2.740	3.8	21.3
4 21	13 49.93	− 4 21.0	1.729	2.728	2.8	21.2
5 1	13 40.96	− 3 17.6	1.739	2.717	6.4	21.4
5 11	13 33.03	− 2 26.8	1.775	2.704	10.4	21.6
5 21	13 26.89	− 1 52.2	1.835	2.691	13.9	21.8

468220 2015 BA_{105} 4 19.7 106°.65 1°.6/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.07	− 9 44.4	1.882	2.690	14.8	21.6
3 22	14 12.24	− 9 7.2	1.804	2.698	11.5	21.4
4 1	14 6.16	− 8 20.0	1.749	2.705	7.7	21.2
4 11	13 58.47	− 7 26.8	1.719	2.712	3.6	21.0
4 21	13 50.02	− 6 33.0	1.717	2.719	2.0	20.9
5 1	13 41.79	− 5 44.4	1.743	2.726	5.8	21.1
5 11	13 34.72	− 5 6.4	1.794	2.733	9.7	21.4
5 21	13 29.46	− 4 42.1	1.869	2.740	13.1	21.6

390007 2012 TK_{312} 4 19.7 97°.93 1°.3/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.29	−19 1.1	2.316	3.089	13.4	20.7
3 22	14 9.71	−18 29.4	2.231	3.098	10.7	20.6
4 1	14 4.27	−17 43.1	2.168	3.107	7.5	20.4
4 11	13 57.52	−16 44.4	2.131	3.116	4.0	20.2
4 21	13 50.16	−15 36.9	2.122	3.125	1.3	20.0
5 1	13 42.99	−14 25.8	2.142	3.134	3.9	20.2
5 11	13 36.76	−13 17.1	2.190	3.142	7.3	20.4
5 21	13 32.02	−12 15.7	2.264	3.151	10.5	20.6

215012 2008 EG_{103} 4 19.8 193°.33 2°.5/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.80	− 4 43.8	2.647	3.451	11.1	20.7
3 22	14 9.82	− 4 9.2	2.559	3.450	8.6	20.5
4 1	14 4.23	− 3 30.3	2.495	3.449	5.8	20.3
4 11	13 57.48	− 2 50.6	2.458	3.447	3.2	20.2
4 21	13 50.16	− 2 13.8	2.451	3.445	2.8	20.1
5 1	13 42.96	− 1 43.7	2.472	3.444	5.3	20.3
5 11	13 36.50	− 1 23.4	2.521	3.441	8.1	20.5
5 21	13 31.31	− 1 14.5	2.595	3.439	10.7	20.6

119581 2001 VK_{103} 4 19.8 26°.35 3°.3/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.06	−22 0.5	1.665	2.445	17.5	19.6
3 22	14 12.04	−22 0.5	1.581	2.448	14.3	19.3
4 1	14 6.36	−21 40.6	1.516	2.451	10.5	19.1
4 11	13 58.68	−21 0.9	1.475	2.454	6.4	18.9
4 21	13 49.99	−20 4.2	1.459	2.457	3.4	18.7
5 1	13 41.47	−18 56.6	1.469	2.461	5.3	18.8
5 11	13 34.29	−17 46.2	1.504	2.465	9.3	19.1
5 21	13 29.24	−16 41.0	1.564	2.469	13.2	19.3

302464 2002 ET_{130} 4 19.8 16°.01 0°.2/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.27	−13 21.5	2.269	3.060	13.1	20.6
3 22	14 10.56	−13 15.6	2.180	3.062	10.3	20.4
4 1	14 4.91	−13 0.2	2.114	3.063	7.1	20.2
4 11	13 57.87	−12 37.1	2.074	3.065	3.4	19.9
4 21	13 50.12	−12 9.3	2.062	3.067	0.5	19.7
5 1	13 42.48	−11 40.4	2.078	3.069	4.2	20.0
5 11	13 35.75	−11 14.6	2.122	3.071	7.8	20.2
5 21	13 30.53	−10 55.5	2.190	3.073	10.9	20.4

138600 2000 QJ_{174} 4 19.8 212°.12 2°.1/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.58	− 7 56.1	2.499	3.302	11.7	20.2
3 22	14 9.02	− 7 4.9	2.407	3.299	9.1	20.0
4 1	14 3.76	− 6 5.9	2.340	3.295	6.1	19.8
4 11	13 57.29	− 5 3.1	2.300	3.292	3.1	19.6
4 21	13 50.21	− 4 1.1	2.289	3.288	2.4	19.6
5 1	13 43.24	− 3 4.9	2.308	3.283	5.2	19.7
5 11	13 37.05	− 2 18.6	2.353	3.279	8.3	19.9
5 21	13 32.18	− 1 45.3	2.423	3.275	11.2	20.1

273922 2007 HO_{88} 4 19.8 149°.02 2°.8/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.14	− 5 28.6	1.989	2.800	14.0	20.9
3 22	14 12.97	− 4 56.2	1.908	2.803	10.9	20.7
4 1	14 6.62	− 4 17.8	1.850	2.806	7.4	20.5
4 11	13 58.70	− 3 37.9	1.818	2.809	3.9	20.3
4 21	13 50.02	− 3 1.2	1.814	2.811	3.2	20.3
5 1	13 41.51	− 2 32.6	1.838	2.813	6.3	20.5
5 11	13 34.09	− 2 16.0	1.887	2.816	9.9	20.7
5 21	13 28.40	− 2 13.5	1.961	2.817	13.2	20.9

107144 2001 BZ_{7} 4 19.8 112°.90 1°.1/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 20.56	−10 23.2	1.685	2.490	16.3	20.6
3 22	14 16.00	−10 5.5	1.612	2.502	12.8	20.4
4 1	14 8.83	− 9 37.5	1.560	2.514	8.6	20.2
4 11	13 59.78	− 9 2.5	1.533	2.526	4.0	19.9
4 21	13 49.87	− 8 25.4	1.533	2.537	1.5	19.7
5 1	13 40.25	− 7 51.6	1.561	2.548	5.8	20.1
5 11	13 32.03	− 7 26.3	1.614	2.558	10.2	20.3
5 21	13 25.93	− 7 13.2	1.691	2.568	13.9	20.6

431396 2007 FG_{47} 4 19.8 320°.98 16°.4/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.04	+ 8 0.4	0.876	1.761	20.9	19.7
3 22	14 6.61	+12 25.0	0.825	1.749	17.9	19.4
4 1	14 3.55	+16 56.2	0.795	1.736	16.4	19.3
4 11	13 57.62	+21 3.8	0.786	1.725	17.4	19.3
4 21	13 50.15	+24 20.6	0.797	1.714	20.3	19.4
5 1	13 42.88	+26 29.3	0.824	1.704	23.9	19.6
5 11	13 37.49	+27 27.0	0.865	1.695	27.5	19.8
5 21	13 35.03	+27 20.9	0.915	1.687	30.6	20.0

440828 2006 RU_{41} 4 19.8 149°.33 3°.1/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.25	− 5 11.0	2.632	3.439	11.1	21.7
3 22	14 8.58	− 3 48.2	2.552	3.445	8.5	21.5
4 1	14 3.36	− 2 18.9	2.497	3.451	5.8	21.3
4 11	13 57.06	− 0 48.3	2.470	3.456	3.5	21.2
4 21	13 50.26	+ 0 38.0	2.474	3.462	3.6	21.2
5 1	13 43.62	+ 1 54.5	2.507	3.467	6.0	21.4
5 11	13 37.74	+ 2 57.1	2.568	3.471	8.7	21.5
5 21	13 33.11	+ 3 43.3	2.653	3.476	11.1	21.7

286468 2002 AM_{144} 4 19.8 153°.00 6°.9/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.07	+11 38.2	2.732	3.537	10.8	21.3
3 22	14 9.92	+12 49.1	2.669	3.542	9.0	21.2
4 1	14 4.22	+13 54.8	2.631	3.548	7.5	21.1
4 11	13 57.45	+14 49.6	2.619	3.553	6.9	21.1
4 21	13 50.21	+15 29.1	2.635	3.557	7.5	21.1
5 1	13 43.14	+15 50.0	2.676	3.562	8.9	21.2
5 11	13 36.87	+15 51.3	2.742	3.566	10.7	21.3
5 21	13 31.85	+15 33.6	2.829	3.569	12.5	21.5

437306 2013 CG_{85} 4 19.8 242°.98 5°.0/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.97	+ 4 31.0	2.843	3.651	10.3	21.7
3 22	14 9.93	+ 5 33.7	2.747	3.634	8.3	21.6
4 1	14 4.31	+ 6 36.7	2.677	3.616	6.3	21.4
4 11	13 57.55	+ 7 35.0	2.634	3.598	5.1	21.3
4 21	13 50.19	+ 8 24.0	2.619	3.579	5.6	21.3
5 1	13 42.85	+ 8 59.5	2.633	3.560	7.4	21.4
5 11	13 36.17	+ 9 19.1	2.673	3.540	9.7	21.5
5 21	13 30.66	+ 9 21.8	2.736	3.520	11.9	21.6

379270 2009 UW_{88} 4 19.8 246°.54 1°.3/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.68	−16 53.9	2.224	2.996	13.9	22.1
3 22	14 14.31	−16 47.8	2.110	2.977	11.2	21.9
4 1	14 7.70	−16 28.9	2.018	2.958	7.9	21.6
4 11	13 59.32	−15 58.1	1.951	2.938	4.2	21.4
4 21	13 49.92	−15 17.7	1.913	2.917	1.3	21.1
5 1	13 40.44	−14 31.7	1.904	2.895	4.4	21.3
5 11	13 31.84	−13 45.4	1.923	2.873	8.4	21.5
5 21	13 24.89	−13 4.2	1.967	2.850	12.0	21.7

425799 2011 CH_{107} 4 19.8 128°.11 0°.4/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.40	−14 52.3	1.877	2.672	15.3	21.9
3 22	14 12.65	−14 35.2	1.792	2.675	12.1	21.7
4 1	14 6.54	−14 4.8	1.729	2.678	8.3	21.5
4 11	13 58.71	−13 23.3	1.690	2.681	4.1	21.3
4 21	13 50.02	−12 34.7	1.679	2.683	0.6	21.0
5 1	13 41.50	−11 44.4	1.695	2.686	4.9	21.3
5 11	13 34.13	−10 58.5	1.737	2.688	9.0	21.6
5 21	13 28.63	−10 21.9	1.804	2.691	12.7	21.8

57440 2001 SR_{53} 4 19.8 136°.83 2°.5/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.22	− 7 48.5	1.926	2.737	14.4	19.5
3 22	14 12.30	− 6 58.4	1.848	2.743	11.2	19.3
4 1	14 6.18	− 5 59.3	1.793	2.749	7.5	19.1
4 11	13 58.49	− 4 56.1	1.764	2.755	3.8	18.9
4 21	13 50.06	− 3 54.7	1.762	2.761	2.9	18.8
5 1	13 41.85	− 3 1.2	1.789	2.766	6.3	19.1
5 11	13 34.77	− 2 20.7	1.842	2.772	10.0	19.3
5 21	13 29.44	− 1 56.2	1.918	2.776	13.3	19.5

163781 2003 QA_{23} 4 19.8 188°.51 0°.2/19.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.88	−14 58.1	2.042	2.826	14.6	20.9
3 22	14 14.42	−14 29.9	1.949	2.825	11.6	20.7
4 1	14 7.68	−13 48.2	1.877	2.824	8.0	20.5
4 11	13 59.25	−12 55.3	1.832	2.822	3.9	20.2
4 21	13 49.96	−11 55.3	1.815	2.820	0.5	19.9
5 1	13 40.79	−10 53.8	1.827	2.816	4.8	20.3
5 11	13 32.70	− 9 57.2	1.866	2.812	8.9	20.5
5 21	13 26.41	− 9 10.5	1.930	2.807	12.5	20.7

51981 2001 RS_{148} 4 19.8 92°.83 1°.9/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 18.03	− 6 29.7	2.221	3.022	13.0	18.5
3 22	14 13.36	− 6 18.1	2.144	3.033	10.1	18.3
4 1	14 6.72	− 6 1.7	2.091	3.045	6.8	18.1
4 11	13 58.70	− 5 43.4	2.065	3.056	3.3	17.9
4 21	13 50.05	− 5 26.6	2.067	3.067	2.1	17.9
5 1	13 41.61	− 5 14.8	2.098	3.078	5.2	18.1
5 11	13 34.18	− 5 10.8	2.156	3.089	8.6	18.3
5 21	13 28.34	− 5 16.5	2.239	3.100	11.6	18.5

388362 2006 UQ_{34} 4 19.8 128°.98 0°.3/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.96	−12 43.0	2.460	3.249	12.3	22.1
3 22	14 10.11	−12 18.7	2.373	3.254	9.6	22.0
4 1	14 4.51	−11 45.1	2.310	3.260	6.5	21.8
4 11	13 57.65	−11 4.7	2.273	3.265	3.1	21.6
4 21	13 50.20	−10 20.8	2.265	3.270	0.6	21.4
5 1	13 42.90	− 9 37.6	2.286	3.274	4.1	21.6
5 11	13 36.44	− 8 59.3	2.335	3.279	7.4	21.9
5 21	13 31.36	− 8 29.4	2.409	3.283	10.4	22.1

300991 2008 FF_{41} 4 19.8 302°.83 1°.2/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.85	− 6 37.4	4.073	4.868	7.7	21.2
3 22	14 4.73	− 6 16.4	3.965	4.852	5.9	21.1
4 1	14 0.59	− 5 52.0	3.883	4.836	4.0	20.9
4 11	13 55.73	− 5 26.3	3.830	4.820	2.0	20.8
4 21	13 50.48	− 5 1.1	3.806	4.805	1.5	20.7
5 1	13 45.26	− 4 38.8	3.812	4.789	3.3	20.8
5 11	13 40.45	− 4 21.4	3.846	4.773	5.4	21.0
5 21	13 36.38	− 4 10.2	3.907	4.758	7.3	21.1

105932 2000 SC_{224} 4 19.8 185°.92 0°.3/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.32	−14 28.4	2.815	3.591	11.2	21.1
3 22	14 10.21	−14 12.2	2.719	3.591	8.8	20.9
4 1	14 4.50	−13 47.0	2.646	3.590	6.1	20.8
4 11	13 57.65	−13 14.5	2.600	3.589	3.0	20.6
4 21	13 50.22	−12 37.3	2.583	3.588	0.4	20.3
5 1	13 42.87	−11 58.7	2.597	3.586	3.5	20.6
5 11	13 36.25	−11 22.5	2.639	3.584	6.6	20.8
5 21	13 30.87	−10 52.0	2.707	3.582	9.4	21.0

496945 2001 XO_{9} 4 19.8 211°.34 6°.0/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.29	−32 57.3	2.488	3.174	14.7	22.6
3 22	14 14.74	−33 10.9	2.378	3.167	12.7	22.4
4 1	14 7.93	−33 5.0	2.286	3.158	10.4	22.3
4 11	13 59.41	−32 37.3	2.218	3.149	8.0	22.1
4 21	13 49.96	−31 47.6	2.176	3.139	6.3	22.0
5 1	13 40.55	−30 38.6	2.162	3.129	6.2	21.9
5 11	13 32.15	−29 16.0	2.176	3.117	8.0	22.0
5 21	13 25.47	−27 47.1	2.216	3.106	10.5	22.2

169985 2002 TJ_{213} 4 19.8 223°.77 0°.4/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.22	−14 36.2	2.301	3.086	13.1	21.0
3 22	14 11.34	−14 20.9	2.204	3.081	10.4	20.8
4 1	14 5.50	−13 54.5	2.130	3.077	7.2	20.6
4 11	13 58.20	−13 19.0	2.082	3.072	3.5	20.4
4 21	13 50.14	−12 37.5	2.062	3.066	0.5	20.1
5 1	13 42.16	−11 54.2	2.070	3.061	4.2	20.4
5 11	13 35.06	−11 13.8	2.107	3.055	7.8	20.6
5 21	13 29.48	−10 40.6	2.168	3.049	11.1	20.8

324572 2006 WN_{171} 4 19.8 277°.93 0°.5/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.58	−13 0.4	1.750	2.554	15.9	21.5
3 22	14 13.29	−12 34.3	1.641	2.531	12.7	21.2
4 1	14 7.36	−11 53.7	1.553	2.506	8.7	20.9
4 11	13 59.30	−11 1.0	1.489	2.482	4.2	20.6
4 21	13 49.96	−10 0.8	1.452	2.457	0.9	20.3
5 1	13 40.48	− 8 59.7	1.442	2.431	5.9	20.6
5 11	13 32.05	− 8 5.0	1.458	2.406	10.7	20.8
5 21	13 25.62	− 7 23.0	1.497	2.380	15.0	21.0

385860 2006 QG_{151} 4 19.8 267°.66 0°.6/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.94	−11 58.5	2.203	3.000	13.2	21.7
3 22	14 10.42	−11 31.8	2.107	2.993	10.4	21.5
4 1	14 4.91	−10 54.8	2.034	2.986	7.0	21.2
4 11	13 57.93	−10 10.3	1.987	2.979	3.3	21.0
4 21	13 50.18	− 9 22.2	1.968	2.972	1.0	20.8
5 1	13 42.51	− 8 35.2	1.978	2.965	4.7	21.0
5 11	13 35.73	− 7 54.5	2.014	2.958	8.5	21.3
5 21	13 30.49	− 7 23.8	2.075	2.951	11.8	21.5

348936 2006 TQ_{68} 4 19.8 138°.16 3°.0/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.74	− 3 42.8	2.851	3.655	10.4	22.0
3 22	14 8.81	− 2 35.0	2.775	3.666	8.0	21.8
4 1	14 3.44	− 1 23.1	2.725	3.677	5.5	21.6
4 11	13 57.10	− 0 11.3	2.703	3.688	3.4	21.5
4 21	13 50.32	+ 0 55.8	2.711	3.698	3.5	21.5
5 1	13 43.70	+ 1 53.8	2.749	3.708	5.6	21.7
5 11	13 37.81	+ 2 39.4	2.815	3.717	8.0	21.9
5 21	13 33.07	+ 3 10.8	2.905	3.726	10.3	22.0

13728 1998 QC_{98} 4 19.8 149°.55 4°.7/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 16.54	− 2 32.6	1.898	2.717	14.2	18.3
3 22	14 12.55	− 1 18.2	1.825	2.724	11.1	18.1
4 1	14 6.36	+ 0 1.8	1.775	2.730	7.7	17.9
4 11	13 58.59	+ 1 20.7	1.752	2.735	5.0	17.7
4 21	13 50.10	+ 2 31.3	1.756	2.740	5.2	17.7
5 1	13 41.85	+ 3 27.1	1.787	2.745	8.1	17.9
5 11	13 34.73	+ 4 3.6	1.844	2.749	11.4	18.1
5 21	13 29.39	+ 4 19.4	1.922	2.753	14.4	18.3

521290 2015 JP_{15} 4 19.8 347°.21 5°.3/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.23	+ 1 27.1	2.131	2.956	12.7	20.8
3 22	14 9.01	+ 2 34.8	2.055	2.954	10.0	20.7
4 1	14 3.89	+ 3 44.4	2.002	2.952	7.3	20.5
4 11	13 57.41	+ 4 49.7	1.976	2.951	5.5	20.4
4 21	13 50.27	+ 5 44.5	1.976	2.950	5.9	20.4
5 1	13 43.28	+ 6 23.7	2.004	2.949	8.2	20.5
5 11	13 37.22	+ 6 44.1	2.056	2.948	11.0	20.7
5 21	13 32.65	+ 6 44.9	2.130	2.947	13.7	20.9

395700 2012 OM_{5} 4 19.8 226°.59 4°.4/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.04	−27 35.9	2.858	3.563	12.6	21.8
3 22	14 15.00	−28 2.4	2.739	3.549	10.7	21.6
4 1	14 7.97	−28 15.3	2.642	3.535	8.4	21.4
4 11	13 59.42	−28 13.1	2.571	3.519	6.2	21.3
4 21	13 49.98	−27 55.5	2.527	3.503	4.6	21.1
5 1	13 40.45	−27 24.1	2.512	3.486	5.0	21.1
5 11	13 31.68	−26 42.8	2.526	3.469	7.0	21.2
5 21	13 24.33	−25 56.3	2.567	3.451	9.5	21.4

499710 2011 AV_{43} 4 19.8 56°.83 3°.2/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.07	− 1 14.5	2.860	3.671	10.2	21.6
3 22	14 7.52	− 0 33.7	2.789	3.683	7.9	21.4
4 1	14 2.58	+ 0 8.7	2.743	3.695	5.5	21.3
4 11	13 56.69	+ 0 49.1	2.725	3.708	3.5	21.2
4 21	13 50.38	+ 1 23.9	2.735	3.720	3.6	21.2
5 1	13 44.24	+ 1 49.9	2.774	3.733	5.5	21.3
5 11	13 38.79	+ 2 4.8	2.840	3.746	7.9	21.5
5 21	13 34.47	+ 2 7.7	2.930	3.758	10.0	21.7

50924 2000 GC_{61} 4 19.8 284°.55 1°.2/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.06	−10 21.2	2.098	2.903	13.6	19.0
3 22	14 10.57	− 9 49.9	2.008	2.899	10.6	18.8
4 1	14 5.04	− 9 8.9	1.941	2.896	7.1	18.6
4 11	13 58.01	− 8 21.6	1.900	2.893	3.4	18.3
4 21	13 50.21	− 7 32.5	1.886	2.889	1.6	18.2
5 1	13 42.52	− 6 46.6	1.901	2.886	5.2	18.4
5 11	13 35.79	− 6 9.0	1.942	2.882	8.9	18.6
5 21	13 30.65	− 5 43.1	2.007	2.879	12.3	18.8

228559 2001 XD_{105} 4 19.8 164°.09 1°.1/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 9.81	− 7 42.9	4.087	4.875	7.8	21.9
3 22	14 6.17	− 7 15.0	3.996	4.879	6.0	21.8
4 1	14 1.51	− 6 43.4	3.932	4.883	4.0	21.7
4 11	13 56.16	− 6 9.9	3.896	4.887	1.9	21.5
4 21	13 50.48	− 5 36.8	3.891	4.891	1.3	21.5
5 1	13 44.88	− 5 6.5	3.916	4.894	3.2	21.6
5 11	13 39.75	− 4 41.0	3.970	4.897	5.2	21.8
5 21	13 35.39	− 4 21.9	4.051	4.900	7.1	21.9

286150 2001 TO_{220} 4 19.8 162°.86 2°.3/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.03	−19 31.5	2.282	3.040	14.0	22.3
3 22	14 15.12	−19 37.8	2.190	3.046	11.3	22.1
4 1	14 8.07	−19 31.1	2.120	3.051	8.2	21.9
4 11	13 59.44	−19 11.6	2.076	3.056	4.8	21.7
4 21	13 50.01	−18 41.1	2.060	3.060	2.3	21.6
5 1	13 40.72	−18 3.2	2.073	3.063	4.2	21.7
5 11	13 32.44	−17 22.9	2.114	3.066	7.6	21.9
5 21	13 25.85	−16 45.1	2.182	3.068	10.8	22.1

4850 Palestrina 4 19.8 184°.58 0°.3/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.90	−12 51.6	2.308	3.099	12.9	17.9
3 22	14 11.03	−12 25.0	2.217	3.099	10.2	17.7
4 1	14 5.24	−11 48.2	2.148	3.098	6.9	17.5
4 11	13 58.08	−11 3.5	2.106	3.098	3.2	17.3
4 21	13 50.22	−10 14.9	2.093	3.097	0.7	17.1
5 1	13 42.47	− 9 26.9	2.108	3.096	4.4	17.4
5 11	13 35.63	− 8 44.2	2.151	3.095	8.0	17.6
5 21	13 30.27	− 8 10.7	2.219	3.094	11.2	17.8

361100 2006 DV_{36} 4 19.8 255°.12 3°.4/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 21.14	−19 43.8	1.686	2.463	17.5	20.9
3 22	14 17.14	−20 9.2	1.582	2.449	14.4	20.7
4 1	14 10.15	−20 19.2	1.498	2.433	10.6	20.4
4 11	14 0.72	−20 12.5	1.438	2.418	6.4	20.1
4 21	13 49.82	−19 49.7	1.403	2.402	3.4	19.9
5 1	13 38.76	−19 14.2	1.395	2.386	5.8	20.0
5 11	13 28.92	−18 32.7	1.413	2.369	10.2	20.2
5 21	13 21.38	−17 52.5	1.454	2.352	14.5	20.4

103716 2000 CK_{91} 4 19.8 252°.91 6°.1/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 14.55	− 0 29.1	1.695	2.527	15.1	19.1
3 22	14 11.37	+ 0 58.7	1.619	2.523	11.9	18.9
4 1	14 5.78	+ 2 32.3	1.566	2.520	8.6	18.7
4 11	13 58.42	+ 4 3.2	1.537	2.516	6.2	18.5
4 21	13 50.17	+ 5 22.6	1.535	2.513	6.8	18.5
5 1	13 42.09	+ 6 22.6	1.559	2.509	9.8	18.7
5 11	13 35.21	+ 6 58.4	1.607	2.505	13.2	18.9
5 21	13 30.23	+ 7 8.7	1.675	2.501	16.4	19.1

179844 2002 TD_{229} 4 19.8 204°.78 2°.1/17.9 17

3 12	14 19.22	− 7 27.2	2.139	2.938	13.5	21.5
3 22	14 14.56	− 6 56.4	2.045	2.933	10.6	21.3
4 1	14 7.75	− 6 18.1	1.974	2.927	7.1	21.0
4 11	13 59.32	− 5 36.0	1.930	2.921	3.6	20.8
4 21	13 50.05	− 4 54.5	1.914	2.914	2.4	20.7
5 1	13 40.87	− 4 18.5	1.927	2.906	5.8	20.9
5 11	13 32.67	− 3 52.4	1.968	2.898	9.4	21.1
5 21	13 26.15	− 3 38.9	2.033	2.889	12.8	21.3

262122 2006 SW_{20} 4 19.8 276°.71 0°.6/19.3 17

3 12	14 15.61	−13 26.4	1.665	2.473	16.4	21.4
3 22	14 12.61	−12 50.3	1.562	2.454	13.0	21.1
4 1	14 6.94	−11 57.8	1.479	2.434	8.9	20.8
4 11	13 59.12	−10 51.8	1.421	2.414	4.3	20.5
4 21	13 50.06	− 9 37.7	1.389	2.393	1.1	20.2
5 1	13 40.93	− 8 23.3	1.384	2.372	6.1	20.5
5 11	13 32.94	− 7 17.0	1.404	2.352	11.0	20.7
5 21	13 27.01	− 6 25.4	1.446	2.331	15.4	20.9

221183 2005 UY_{28} 4 19.8 163°.43 0°.5/20.3 17

3 12	14 18.45	−14 57.6	2.352	3.128	13.2	21.6
3 22	14 13.73	−14 42.1	2.262	3.134	10.4	21.4
4 1	14 7.04	−14 15.6	2.195	3.139	7.2	21.2
4 11	13 58.93	−13 40.0	2.155	3.144	3.6	21.0
4 21	13 50.12	−12 58.4	2.143	3.148	0.6	20.8
5 1	13 41.46	−12 14.8	2.162	3.152	4.1	21.0
5 11	13 33.76	−11 34.1	2.208	3.154	7.7	21.3
5 21	13 27.61	−11 0.3	2.280	3.157	10.8	21.5

506354 2017 PT_{5} 4 19.8 236°.50 0°.4/20.1 17

3 12	14 18.20	−14 36.8	2.045	2.831	14.5	22.0
3 22	14 14.06	−14 20.0	1.940	2.818	11.6	21.8
4 1	14 7.59	−13 50.5	1.858	2.805	8.0	21.5
4 11	13 59.33	−13 10.0	1.801	2.791	4.0	21.3
4 21	13 50.06	−12 22.0	1.772	2.777	0.5	21.0
5 1	13 40.78	−11 31.5	1.771	2.762	4.8	21.3
5 11	13 32.49	−10 44.4	1.798	2.746	9.0	21.5
5 21	13 25.96	−10 5.7	1.849	2.730	12.7	21.7

163670 2002 WL_{12} 4 19.8 176°.41 3°.2/15.7 18

3 12	14 13.18	− 3 56.1	2.665	3.472	11.0	20.4
3 22	14 9.34	− 2 47.2	2.581	3.473	8.5	20.2
4 1	14 3.92	− 1 33.1	2.522	3.475	5.8	20.1
4 11	13 57.40	− 0 18.3	2.491	3.476	3.6	19.9
4 21	13 50.35	+ 0 51.9	2.489	3.476	3.7	19.9
5 1	13 43.43	+ 1 52.9	2.517	3.477	6.0	20.1
5 11	13 37.26	+ 2 40.6	2.572	3.476	8.6	20.2
5 21	13 32.33	+ 3 13.2	2.652	3.476	11.1	20.4

131165 2001 CU_{28} 4 19.8 309°.02 6°.6/14.3 18

3 12	14 14.92	+ 3 5.9	1.762	2.592	14.7	19.1
3 22	14 11.70	+ 4 5.1	1.676	2.577	11.8	18.9
4 1	14 6.07	+ 5 5.4	1.613	2.562	8.8	18.7
4 11	13 58.61	+ 5 59.6	1.574	2.548	6.8	18.5
4 21	13 50.17	+ 6 40.3	1.561	2.534	7.3	18.5
5 1	13 41.80	+ 7 1.4	1.573	2.520	9.9	18.6
5 11	13 34.53	+ 6 59.7	1.608	2.506	13.2	18.8
5 21	13 29.13	+ 6 35.0	1.664	2.493	16.4	19.0

420046 2011 DR_{16} 4 19.8 34°.48 1°.1/20.6 17

3 12	14 16.11	−15 54.4	1.707	2.506	16.4	21.0
3 22	14 12.71	−15 48.3	1.626	2.509	13.1	20.8
4 1	14 6.76	−15 27.6	1.564	2.513	9.1	20.6
4 11	13 58.93	−14 54.1	1.527	2.516	4.7	20.3
4 21	13 50.14	−14 11.4	1.516	2.520	1.1	20.1
5 1	13 41.53	−13 25.1	1.532	2.525	5.0	20.4
5 11	13 34.18	−12 41.7	1.574	2.529	9.4	20.6
5 21	13 28.87	−12 6.7	1.638	2.534	13.3	20.9

336130 2008 PL_{8} 4 19.8 317°.31 7°.6/25.9 17

3 12	14 15.99	−30 58.1	1.739	2.474	18.6	20.5
3 22	14 13.18	−31 42.0	1.643	2.465	16.1	20.3
4 1	14 7.46	−32 3.4	1.563	2.456	13.2	20.1
4 11	13 59.43	−31 58.6	1.505	2.448	10.2	19.9
4 21	13 50.05	−31 26.0	1.469	2.439	8.0	19.7
5 1	13 40.64	−30 28.1	1.459	2.432	8.0	19.7
5 11	13 32.55	−29 12.4	1.473	2.424	10.3	19.8
5 21	13 26.76	−27 48.5	1.510	2.417	13.5	20.0

380187 2000 WH_{2} 4 19.8 213°.22 10°.4/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 29.34	−49 53.4	3.037	3.561	14.7	22.5
3 22	14 23.19	−51 6.5	2.924	3.551	13.8	22.4
4 1	14 14.10	−52 0.4	2.827	3.540	12.7	22.3
4 11	14 2.59	−52 29.9	2.749	3.528	11.6	22.1
4 21	13 49.60	−52 31.0	2.692	3.516	10.7	22.1
5 1	13 36.41	−52 2.5	2.658	3.502	10.4	22.0
5 11	13 24.36	−51 7.2	2.649	3.488	10.6	22.0
5 21	13 14.50	−49 51.0	2.662	3.472	11.5	22.0

172433 2003 QN_{22} 4 19.8 238°.47 0°.6/20.3 17

3 12	14 17.72	−16 2.7	1.794	2.585	16.0	21.1
3 22	14 14.03	−15 38.4	1.694	2.574	12.8	20.9
4 1	14 7.75	−14 58.0	1.615	2.563	8.9	20.6
4 11	13 59.46	−14 3.3	1.561	2.551	4.5	20.3
4 21	13 50.06	−12 58.4	1.534	2.538	0.7	20.0
5 1	13 40.67	−11 49.8	1.534	2.525	5.2	20.3
5 11	13 32.44	−10 45.3	1.561	2.512	9.8	20.5
5 21	13 26.20	− 9 51.2	1.611	2.498	14.0	20.7

468638 2008 SW_{220} 4 19.8 139°.83 1°.5/18.1 17

3 12	14 13.95	−11 21.2	2.170	2.971	13.3	21.5
3 22	14 10.33	−10 17.8	2.088	2.977	10.3	21.3
4 1	14 4.77	− 9 2.6	2.028	2.983	6.9	21.1
4 11	13 57.86	− 7 40.4	1.996	2.988	3.2	20.9
4 21	13 50.30	− 6 16.7	1.992	2.994	1.9	20.8
5 1	13 42.94	− 4 58.2	2.017	2.999	5.3	21.0
5 11	13 36.54	− 3 50.7	2.070	3.004	8.9	21.3
5 21	13 31.69	− 2 58.1	2.147	3.008	12.0	21.5

388406 2006 WJ_{48} 4 19.8 64°.46 1°.4/21.2 17

3 12	14 14.37	−17 43.0	2.287	3.064	13.5	21.1
3 22	14 10.63	−17 36.2	2.205	3.075	10.7	20.9
4 1	14 4.97	−17 17.0	2.146	3.086	7.6	20.7
4 11	13 57.95	−16 46.9	2.111	3.097	4.1	20.5
4 21	13 50.29	−16 8.5	2.105	3.108	1.5	20.4
5 1	13 42.81	−15 26.0	2.127	3.119	3.9	20.6
5 11	13 36.28	−14 44.1	2.177	3.130	7.3	20.8
5 21	13 31.27	−14 7.2	2.251	3.141	10.4	21.0

315398 2007 VR_{138} 4 19.8 105°.17 0°.5/19.5 17

3 12	14 21.22	−11 15.5	1.626	2.431	16.9	21.2
3 22	14 16.71	−11 12.5	1.551	2.440	13.3	21.0
4 1	14 9.47	−10 59.0	1.497	2.450	9.0	20.7
4 11	14 0.21	−10 37.5	1.466	2.459	4.3	20.5
4 21	13 49.98	−10 12.0	1.463	2.467	0.9	20.2
5 1	13 40.02	− 9 47.4	1.487	2.476	5.7	20.6
5 11	13 31.47	− 9 29.0	1.536	2.485	10.2	20.9
5 21	13 25.16	− 9 20.6	1.609	2.493	14.1	21.1

276990 2004 XD_{30} 4 19.8 167°.84 2°.0/17.9 18

3 12	14 17.32	− 7 8.7	2.232	3.033	13.0	21.3
3 22	14 12.92	− 6 40.2	2.147	3.036	10.1	21.1
4 1	14 6.53	− 6 5.2	2.085	3.039	6.8	20.9
4 11	13 58.72	− 5 27.2	2.050	3.041	3.4	20.7
4 21	13 50.21	− 4 50.5	2.043	3.043	2.4	20.6
5 1	13 41.85	− 4 19.4	2.066	3.045	5.4	20.8
5 11	13 34.45	− 3 57.6	2.115	3.046	8.9	21.0
5 21	13 28.61	− 3 47.6	2.189	3.047	11.9	21.2

83353 2001 RT_{149} 4 19.8 326°.15 4°.6/15.1 18

3 12	14 12.39	− 1 43.6	2.031	2.855	13.2	19.3
3 22	14 9.28	− 0 33.6	1.951	2.852	10.3	19.1
4 1	14 4.18	+ 0 41.4	1.894	2.849	7.3	18.9
4 11	13 57.63	+ 1 55.2	1.863	2.846	4.9	18.7
4 21	13 50.36	+ 3 1.0	1.860	2.843	5.2	18.7
5 1	13 43.23	+ 3 52.9	1.883	2.840	7.9	18.9
5 11	13 37.06	+ 4 26.7	1.932	2.837	11.0	19.1
5 21	13 32.47	+ 4 40.6	2.003	2.835	13.9	19.3

250415 2003 UH_{330} 4 19.8 295°.12 2°.0/21.2 18

3 12	14 14.73	−18 43.4	1.492	2.294	18.3	20.3
3 22	14 12.33	−18 32.1	1.394	2.278	14.9	20.0
4 1	14 6.97	−18 0.3	1.315	2.261	10.7	19.7
4 11	13 59.24	−17 8.5	1.258	2.245	5.9	19.4
4 21	13 50.12	−16 0.4	1.225	2.229	2.0	19.1
5 1	13 40.93	−14 43.1	1.219	2.213	5.8	19.3
5 11	13 33.05	−13 26.4	1.237	2.197	10.9	19.6
5 21	13 27.51	−12 19.3	1.277	2.182	15.6	19.8

130082 1999 WP_{13} 4 19.8 249°.62 2°.8/22.7 18

3 12	14 15.47	−23 22.0	2.345	3.094	13.9	19.5
3 22	14 11.74	−23 3.8	2.230	3.078	11.5	19.3
4 1	14 5.93	−22 28.3	2.137	3.061	8.5	19.1
4 11	13 58.52	−21 35.5	2.069	3.043	5.3	18.8
4 21	13 50.23	−20 27.8	2.028	3.026	2.9	18.6
5 1	13 41.94	−19 9.5	2.017	3.007	4.3	18.7
5 11	13 34.52	−17 47.3	2.034	2.988	7.7	18.9
5 21	13 28.68	−16 27.8	2.076	2.969	11.0	19.0

485239 2010 VK_{74} 4 19.8 132.°78 7.°9/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 36.42	+ 6 34.8	1.272	2.083	20.3	21.1
3 22	14 29.29	+ 6 39.3	1.205	2.092	16.5	20.9
4 1	14 18.33	+ 6 35.4	1.158	2.100	12.2	20.7
4 11	14 4.53	+ 6 15.3	1.134	2.108	8.7	20.5
4 21	13 49.43	+ 5 33.6	1.135	2.115	8.2	20.5
5 1	13 34.88	+ 4 28.6	1.163	2.122	11.3	20.7
5 11	13 22.56	+ 3 2.5	1.216	2.129	15.5	20.9
5 21	13 13.49	+ 1 20.5	1.290	2.134	19.4	21.2

165475 2001 AZ_{39} 4 19.8 63.°38 2.°5/21.5 18

3 12	14 20.22	−18 14.1	1.427	2.224	19.2	19.6
3 22	14 16.32	−18 27.4	1.361	2.241	15.4	19.4
4 1	14 9.37	−18 23.0	1.314	2.258	11.0	19.1
4 11	14 0.20	−18 1.4	1.290	2.275	6.1	18.9
4 21	13 50.02	−17 25.9	1.291	2.293	2.5	18.7
5 1	13 40.23	−16 42.4	1.317	2.310	5.6	19.0
5 11	13 32.12	−15 58.7	1.369	2.328	10.2	19.3
5 21	13 26.52	−15 21.5	1.443	2.346	14.3	19.6

341250 2007 RX_{206} 4 19.8 262.°63 1.°0/18.9 17

3 12	14 15.41	−10 16.8	2.103	2.905	13.6	21.3
3 22	14 11.67	− 9 55.3	2.011	2.900	10.7	21.1
4 1	14 5.83	− 9 24.8	1.942	2.896	7.2	20.9
4 11	13 58.45	− 8 48.3	1.898	2.891	3.4	20.6
4 21	13 50.26	− 8 9.6	1.882	2.886	1.4	20.5
5 1	13 42.15	− 7 33.5	1.895	2.881	5.1	20.7
5 11	13 35.00	− 7 4.6	1.934	2.876	8.9	20.9
5 21	13 29.48	− 6 46.2	1.997	2.871	12.2	21.1

1460 Haltia 4 19.8 116.°86 2.°7/17.6 18

3 12	14 19.91	− 5 53.8	1.968	2.773	14.3	17.1
3 22	14 15.05	− 5 20.6	1.898	2.790	11.1	16.9
4 1	14 7.99	− 4 41.4	1.851	2.805	7.5	16.7
4 11	13 59.40	− 4 0.7	1.830	2.820	3.9	16.5
4 21	13 50.14	− 3 23.3	1.837	2.835	3.0	16.5
5 1	13 41.18	− 2 53.9	1.873	2.849	6.2	16.7
5 11	13 33.41	− 2 36.3	1.935	2.863	9.7	17.0
5 21	13 27.45	− 2 32.4	2.021	2.876	12.9	17.2

423627 2005 WC_{172} 4 19.8 295.°81 7.°1/14.9 17

3 12	14 19.68	+ 4 38.4	1.678	2.502	15.6	20.9
3 22	14 15.69	+ 5 19.9	1.586	2.481	12.6	20.6
4 1	14 8.97	+ 6 0.0	1.514	2.460	9.5	20.4
4 11	14 0.11	+ 6 31.6	1.467	2.439	7.3	20.2
4 21	13 50.02	+ 6 47.6	1.445	2.418	7.7	20.2
5 1	13 39.90	+ 6 42.4	1.449	2.398	10.4	20.3
5 11	13 30.96	+ 6 13.5	1.476	2.377	14.0	20.4
5 21	13 24.12	+ 5 21.7	1.524	2.357	17.5	20.6

229970 1999 TR_{250} 4 19.8 141.°46 1.°6/21.6 18

3 12	14 15.48	−20 18.1	2.277	3.041	13.9	20.6
3 22	14 11.53	−19 46.6	2.188	3.049	11.1	20.4
4 1	14 5.61	−18 59.2	2.122	3.057	7.9	20.2
4 11	13 58.28	−17 57.8	2.081	3.064	4.4	20.0
4 21	13 50.30	−16 46.0	2.069	3.071	1.7	19.8
5 1	13 42.51	−15 29.1	2.086	3.078	4.0	20.0
5 11	13 35.71	−14 13.7	2.131	3.084	7.5	20.2
5 21	13 30.49	−13 5.3	2.202	3.090	10.7	20.4

465405 2008 HZ_{46} 4 19.8 333.°12 5.°9/17.0 17

3 12	14 20.48	+ 1 48.3	1.353	2.189	18.0	20.3
3 22	14 16.91	+ 1 53.2	1.269	2.174	14.4	20.0
4 1	14 10.12	+ 1 55.9	1.204	2.160	10.4	19.7
4 11	14 0.75	+ 1 49.8	1.162	2.147	6.7	19.5
4 21	13 49.93	+ 1 29.4	1.144	2.134	6.3	19.4
5 1	13 39.14	+ 0 50.6	1.151	2.123	9.7	19.6
5 11	13 29.85	− 0 7.9	1.181	2.113	14.2	19.8
5 21	13 23.11	− 1 24.4	1.231	2.104	18.4	20.0

290215 2005 SV_{45} 4 19.8 233.°46 0.°5/19.2 18

3 12	14 11.97	−13 15.9	2.564	3.354	11.8	21.2
3 22	14 8.59	−12 30.2	2.467	3.349	9.2	21.0
4 1	14 3.54	−11 33.6	2.393	3.344	6.2	20.8
4 11	13 57.29	−10 29.1	2.346	3.338	2.9	20.6
4 21	13 50.43	− 9 20.7	2.329	3.333	0.9	20.4
5 1	13 43.66	− 8 13.6	2.341	3.327	4.2	20.6
5 11	13 37.66	− 7 12.6	2.381	3.322	7.5	20.8
5 21	13 32.94	− 6 21.6	2.446	3.316	10.4	21.0

296889 2010 BC_{4} 4 19.8 0.°71 4.°7/23.2 17

3 12	14 16.86	−23 12.2	1.763	2.531	17.2	20.1
3 22	14 13.51	−23 48.7	1.674	2.530	14.3	19.8
4 1	14 7.48	−24 8.2	1.605	2.529	10.8	19.6
4 11	13 59.38	−24 9.1	1.559	2.529	7.3	19.4
4 21	13 50.16	−23 51.8	1.538	2.530	4.8	19.3
5 1	13 40.99	−23 19.4	1.544	2.531	5.9	19.3
5 11	13 33.08	−22 38.2	1.574	2.532	9.2	19.5
5 21	13 27.28	−21 55.1	1.628	2.533	12.8	19.7

504469 2008 DA_{62} 4 19.8 127.°26 7.°3/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 23.64	−38 40.4	3.025	3.648	13.4	22.9
3 22	14 17.89	−39 41.0	2.935	3.663	11.9	22.8
4 1	14 9.98	−40 24.9	2.864	3.677	10.3	22.7
4 11	14 0.44	−40 49.1	2.816	3.691	8.7	22.6
4 21	13 50.03	−40 52.0	2.794	3.705	7.6	22.5
5 1	13 39.66	−40 34.2	2.798	3.718	7.3	22.5
5 11	13 30.25	−39 59.3	2.829	3.730	8.1	22.6
5 21	13 22.48	−39 12.4	2.886	3.742	9.4	22.7

255633 2006 QP_{2} 4 19.8 152.°57 2.°5/21.8 17

3 12	14 19.98	−19 27.6	1.866	2.638	16.2	21.0
3 22	14 15.61	−19 33.0	1.779	2.644	13.1	20.8
4 1	14 8.70	−19 22.8	1.713	2.649	9.5	20.6
4 11	13 59.89	−18 57.2	1.671	2.653	5.5	20.4
4 21	13 50.11	−18 18.6	1.657	2.658	2.5	20.2
5 1	13 40.49	−17 31.6	1.670	2.661	4.9	20.4
5 11	13 32.12	−16 42.8	1.710	2.665	8.8	20.6
5 21	13 25.77	−15 58.2	1.774	2.668	12.5	20.8

401028 2011 SK_{118} 4 19.8 176.°66 5.°3/15.6 18

3 12	14 19.77	− 1 13.9	1.731	2.550	15.4	21.6
3 22	14 15.39	− 0 8.9	1.655	2.552	12.1	21.4
4 1	14 8.50	+ 1 0.9	1.601	2.554	8.5	21.1
4 11	13 59.76	+ 2 8.4	1.573	2.555	5.7	21.0
4 21	13 50.13	+ 3 6.1	1.571	2.555	5.8	21.0
5 1	13 40.72	+ 3 47.4	1.597	2.555	8.8	21.2
5 11	13 32.59	+ 4 8.1	1.647	2.554	12.4	21.4
5 21	13 26.47	+ 4 7.1	1.719	2.553	15.7	21.6

424703 2008 SC_{50} 4 19.8 301.°56 0.°4/19.5 17

3 12	14 13.93	−13 13.8	1.712	2.522	15.9	21.6
3 22	14 11.24	−12 48.8	1.609	2.501	12.7	21.4
4 1	14 6.00	−12 9.3	1.526	2.481	8.7	21.1
4 11	13 58.72	−11 17.8	1.467	2.460	4.2	20.8
4 21	13 50.25	−10 18.9	1.435	2.439	0.8	20.5
5 1	13 41.71	− 9 19.3	1.429	2.419	5.7	20.8
5 11	13 34.25	− 8 26.3	1.448	2.399	10.5	21.0
5 21	13 28.74	− 7 45.9	1.490	2.379	14.7	21.2

198943 2005 UZ_{290} 4 19.8 13.°03 3.°4/22.2 18

3 12	14 17.09	−21 17.1	1.343	2.140	20.2	20.2
3 22	14 14.37	−21 20.2	1.262	2.140	16.5	19.9
4 1	14 8.41	−21 0.3	1.200	2.140	12.1	19.7
4 11	13 59.92	−20 17.1	1.159	2.141	7.2	19.4
4 21	13 50.10	−19 13.9	1.141	2.142	3.5	19.2
5 1	13 40.45	−17 57.9	1.149	2.143	6.1	19.3
5 11	13 32.45	−16 39.9	1.181	2.144	11.0	19.6
5 21	13 27.08	−15 29.8	1.234	2.145	15.6	19.9

229972 1999 UO_{16} 4 19.8 120.°90 0.°4/20.2 18

3 12	14 17.68	−14 51.8	2.382	3.159	13.0	20.8
3 22	14 13.03	−14 33.3	2.303	3.176	10.2	20.7
4 1	14 6.51	−14 4.2	2.248	3.192	7.0	20.5
4 11	13 58.69	−13 26.6	2.219	3.208	3.4	20.3
4 21	13 50.29	−12 43.7	2.219	3.224	0.5	20.1
5 1	13 42.11	−11 59.7	2.248	3.238	4.0	20.4
5 11	13 34.91	−11 19.1	2.306	3.253	7.4	20.6
5 21	13 29.23	−10 45.6	2.390	3.267	10.4	20.8

253865 2004 AV_{21} 4 19.8 207.°92 2.°0/18.2 17

3 12	14 18.12	− 8 43.1	1.887	2.693	14.8	22.0
3 22	14 14.03	− 8 6.8	1.797	2.690	11.6	21.7
4 1	14 7.57	− 7 20.8	1.730	2.685	7.8	21.5
4 11	13 59.34	− 6 29.1	1.689	2.681	3.8	21.2
4 21	13 50.19	− 5 37.0	1.674	2.676	2.4	21.1
5 1	13 41.15	− 4 50.5	1.688	2.670	6.1	21.3
5 11	13 33.23	− 4 14.9	1.728	2.664	10.2	21.6
5 21	13 27.15	− 3 53.8	1.792	2.657	13.8	21.8

9668 Tianyahaijiao 4 19.8 194.°87 2.°1/17.7 18

3 12	14 14.62	− 8 10.1	2.174	2.980	13.1	18.6
3 22	14 10.92	− 7 23.0	2.086	2.979	10.2	18.4
4 1	14 5.25	− 6 27.2	2.022	2.978	6.8	18.2
4 11	13 58.16	− 5 27.1	1.985	2.976	3.4	18.0
4 21	13 50.36	− 4 27.6	1.975	2.975	2.5	17.9
5 1	13 42.69	− 3 34.4	1.995	2.973	5.7	18.1
5 11	13 35.96	− 2 52.1	2.041	2.971	9.2	18.3
5 21	13 30.76	− 2 23.9	2.110	2.968	12.3	18.5

359052 2008 YH_{16} 4 19.8 355.°82 2.°8/18.1 17

3 12	14 13.17	− 8 22.2	1.140	1.989	19.7	20.6
3 22	14 11.51	− 7 51.0	1.069	1.985	15.5	20.3
4 1	14 6.57	− 7 6.5	1.017	1.982	10.5	20.0
4 11	13 59.07	− 6 14.8	0.985	1.979	5.2	19.7
4 21	13 50.24	− 5 23.7	0.977	1.978	3.3	19.6
5 1	13 41.62	− 4 42.3	0.991	1.978	8.3	19.8
5 11	13 34.68	− 4 18.2	1.028	1.979	13.6	20.1
5 21	13 30.40	− 4 15.0	1.083	1.982	18.3	20.4

148562 2001 QJ_{216} 4 19.8 175°.06 1°.1/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 18.33	−10 25.7	2.179	2.972	13.5	21.1
3 22	14 13.82	− 9 58.2	2.091	2.975	10.6	20.9
4 1	14 7.22	− 9 21.7	2.025	2.977	7.1	20.7
4 11	13 59.11	− 8 39.0	1.986	2.978	3.3	20.5
4 21	13 50.25	− 7 54.4	1.976	2.979	1.4	20.3
5 1	13 41.53	− 7 12.6	1.995	2.980	5.0	20.6
5 11	13 33.81	− 6 38.2	2.041	2.979	8.7	20.8
5 21	13 27.73	− 6 14.6	2.112	2.979	12.0	21.0

34839 2001 SL_{263} 4 19.8 199°.58 4°.5/14.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.06	+ 1 41.1	2.545	3.355	11.3	18.5
3 22	14 10.92	+ 2 29.8	2.462	3.352	8.9	18.3
4 1	14 5.08	+ 3 19.3	2.403	3.350	6.5	18.1
4 11	13 58.04	+ 4 5.0	2.371	3.347	4.7	18.0
4 21	13 50.40	+ 4 42.3	2.368	3.344	4.9	18.0
5 1	13 42.88	+ 5 7.3	2.393	3.340	7.0	18.1
5 11	13 36.17	+ 5 17.5	2.444	3.336	9.5	18.3
5 21	13 30.77	+ 5 12.3	2.519	3.332	11.9	18.4

472901 2015 FA_{338} 4 19.8 38°.37 0°.2/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.70	−15 18.0	2.098	2.893	13.9	20.8
3 22	14 8.73	−14 24.3	2.014	2.898	10.9	20.6
4 1	14 3.80	−13 16.0	1.952	2.903	7.4	20.4
4 11	13 57.47	−11 56.8	1.916	2.908	3.5	20.2
4 21	13 50.49	−10 32.1	1.909	2.913	0.6	19.9
5 1	13 43.68	− 9 8.5	1.930	2.919	4.6	20.3
5 11	13 37.86	− 7 52.7	1.978	2.924	8.4	20.5
5 21	13 33.59	− 6 49.6	2.051	2.930	11.7	20.7

51584 2001 HP_{10} 4 19.8 297°.93 4°.6/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.21	− 2 46.6	1.550	2.379	16.4	18.8
3 22	14 13.92	− 2 7.9	1.461	2.365	12.9	18.6
4 1	14 7.86	− 1 23.4	1.394	2.351	9.0	18.3
4 11	13 59.62	− 0 39.1	1.350	2.338	5.4	18.0
4 21	13 50.18	− 0 1.8	1.331	2.324	5.1	18.0
5 1	13 40.76	+ 0 21.6	1.339	2.311	8.7	18.1
5 11	13 32.60	+ 0 26.4	1.370	2.298	12.9	18.3
5 21	13 26.62	+ 0 11.0	1.422	2.285	16.9	18.6

216163 2006 SF_{361} 4 19.8 114°.26 1°.6/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.49	− 7 5.5	2.423	3.221	12.2	21.0
3 22	14 12.11	− 6 51.3	2.340	3.227	9.5	20.8
4 1	14 5.92	− 6 31.9	2.280	3.233	6.3	20.6
4 11	13 58.45	− 6 10.2	2.248	3.239	3.1	20.4
4 21	13 50.36	− 5 49.4	2.244	3.245	1.9	20.3
5 1	13 42.42	− 5 32.9	2.269	3.251	4.8	20.6
5 11	13 35.36	− 5 23.6	2.322	3.256	8.0	20.8
5 21	13 29.73	− 5 23.5	2.400	3.262	10.9	21.0

295782 2008 UD_{225} 4 19.8 168°.55 1°.0/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.46	−16 16.0	2.483	3.253	12.7	22.4
3 22	14 12.94	−16 9.7	2.390	3.257	10.1	22.2
4 1	14 6.54	−15 52.6	2.320	3.260	7.1	22.0
4 11	13 58.77	−15 26.1	2.276	3.263	3.7	21.8
4 21	13 50.32	−14 52.5	2.261	3.265	1.0	21.6
5 1	13 41.97	−14 15.5	2.276	3.267	3.8	21.8
5 11	13 34.51	−13 39.4	2.319	3.268	7.2	22.0
5 21	13 28.51	−13 8.0	2.388	3.269	10.2	22.2

338053 2002 NK_{74} 4 19.8 273°.54 0°.1/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.51	−13 7.6	2.127	2.918	13.9	21.6
3 22	14 12.71	−12 58.0	2.018	2.900	11.0	21.3
4 1	14 6.71	−12 37.8	1.932	2.881	7.6	21.1
4 11	13 58.98	−12 8.8	1.871	2.862	3.7	20.8
4 21	13 50.27	−11 34.1	1.838	2.843	0.5	20.5
5 1	13 41.50	−10 57.9	1.833	2.823	4.7	20.8
5 11	13 33.61	−10 25.1	1.856	2.804	8.8	21.0
5 21	13 27.36	−10 0.2	1.903	2.784	12.4	21.2

474747 2005 OW_{28} 4 19.8 301°.10 4°.6/22.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.82	−23 8.5	2.116	2.867	15.2	21.5
3 22	14 14.97	−23 53.3	1.992	2.836	12.8	21.2
4 1	14 8.56	−24 25.4	1.888	2.806	9.9	21.0
4 11	14 0.03	−24 42.8	1.809	2.775	6.8	20.7
4 21	13 50.11	−24 44.1	1.756	2.744	4.7	20.5
5 1	13 39.85	−24 30.5	1.730	2.713	5.8	20.5
5 11	13 30.40	−24 5.9	1.731	2.683	9.0	20.6
5 21	13 22.74	−23 36.1	1.756	2.652	12.5	20.8

401665 2013 GV_{115} 4 19.8 273°.90 0°.5/20.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.82	−14 3.6	1.485	2.294	18.0	21.6
3 22	14 15.47	−14 1.9	1.394	2.284	14.4	21.3
4 1	14 9.09	−13 45.7	1.322	2.274	10.0	21.0
4 11	14 0.30	−13 16.7	1.273	2.264	5.0	20.7
4 21	13 50.12	−12 38.4	1.249	2.254	0.7	20.4
5 1	13 39.94	−11 57.0	1.251	2.244	6.0	20.7
5 11	13 31.13	−11 19.6	1.279	2.234	11.1	21.0
5 21	13 24.72	−10 52.6	1.327	2.224	15.7	21.2

357119 2001 WC_{73} 4 19.8 70°.25 2°.4/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 20.41	− 8 34.6	1.333	2.159	18.8	21.4
3 22	14 16.40	− 8 1.6	1.275	2.177	14.6	21.1
4 1	14 9.38	− 7 17.8	1.237	2.197	9.8	20.9
4 11	14 0.22	− 6 28.6	1.223	2.216	4.7	20.7
4 21	13 50.16	− 5 41.0	1.233	2.235	2.8	20.6
5 1	13 40.61	− 5 2.3	1.269	2.254	7.3	20.9
5 11	13 32.79	− 4 38.1	1.330	2.273	11.9	21.2
5 21	13 27.47	− 4 31.3	1.411	2.292	15.9	21.5

132284 2002 FX_{13} 4 19.8 144°.05 3°.5/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.37	− 4 56.6	1.700	2.515	15.8	20.1
3 22	14 15.89	− 4 16.6	1.626	2.522	12.3	19.9
4 1	14 8.86	− 3 29.9	1.573	2.529	8.4	19.7
4 11	13 59.97	− 2 41.9	1.545	2.535	4.6	19.5
4 21	13 50.19	− 1 58.8	1.545	2.541	3.9	19.4
5 1	13 40.68	− 1 26.5	1.571	2.546	7.4	19.6
5 11	13 32.49	− 1 9.3	1.623	2.551	11.3	19.9
5 21	13 26.37	− 1 9.1	1.698	2.555	14.8	20.1

386230 2007 YQ_{45} 4 19.8 266°.55 1°.4/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.14	−17 39.5	2.353	3.128	13.2	21.4
3 22	14 10.57	−17 30.2	2.254	3.122	10.6	21.2
4 1	14 5.07	−17 8.5	2.177	3.117	7.5	21.0
4 11	13 58.13	−16 35.6	2.125	3.111	4.1	20.8
4 21	13 50.45	−15 54.0	2.102	3.105	1.4	20.6
5 1	13 42.81	−15 7.7	2.107	3.099	4.0	20.7
5 11	13 36.04	−14 21.6	2.139	3.093	7.4	20.9
5 21	13 30.74	−13 40.5	2.197	3.087	10.6	21.1

89378 2001 VG_{94} 4 19.8 79°.59 5°.1/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.72	+ 1 6.5	2.253	3.073	12.2	19.4
3 22	14 9.25	+ 2 23.0	2.186	3.083	9.6	19.3
4 1	14 4.01	+ 3 41.2	2.144	3.093	7.0	19.1
4 11	13 57.55	+ 4 54.9	2.129	3.104	5.2	19.0
4 21	13 50.54	+ 5 58.1	2.142	3.114	5.7	19.1
5 1	13 43.74	+ 6 45.9	2.182	3.124	7.9	19.2
5 11	13 37.85	+ 7 15.2	2.247	3.134	10.5	19.4
5 21	13 33.39	+ 7 25.3	2.335	3.144	12.9	19.6

499155 2009 SK_{31} 4 19.8 224°.85 2°.0/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 22.34	−17 25.9	2.289	3.050	13.9	22.6
3 22	14 17.18	−17 45.5	2.180	3.039	11.3	22.4
4 1	14 9.70	−17 54.5	2.093	3.027	8.1	22.2
4 11	14 0.44	−17 52.8	2.032	3.014	4.6	21.9
4 21	13 50.14	−17 41.2	2.000	3.001	2.0	21.7
5 1	13 39.76	−17 22.3	1.997	2.987	4.4	21.9
5 11	13 30.30	−17 0.5	2.023	2.973	8.0	22.1
5 21	13 22.53	−16 39.9	2.075	2.958	11.5	22.2

105015 2000 KL_{13} 4 19.8 250°.93 0°.7/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.24	−11 9.9	2.336	3.130	12.7	20.6
3 22	14 11.40	−10 49.6	2.236	3.120	10.0	20.4
4 1	14 5.63	−10 20.4	2.159	3.110	6.8	20.1
4 11	13 58.41	− 9 44.8	2.108	3.100	3.2	19.9
4 21	13 50.42	− 9 6.3	2.086	3.090	1.0	19.7
5 1	13 42.47	− 8 29.0	2.092	3.079	4.6	19.9
5 11	13 35.35	− 7 57.3	2.126	3.068	8.2	20.1
5 21	13 29.69	− 7 34.5	2.185	3.057	11.4	20.3

388370 2006 UT_{62} 4 19.8 296°.30 1°.5/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.27	− 8 21.9	2.175	2.979	13.2	21.3
3 22	14 11.58	− 8 6.6	2.076	2.966	10.3	21.1
4 1	14 5.84	− 7 44.2	1.999	2.954	7.0	20.9
4 11	13 58.55	− 7 17.7	1.949	2.941	3.4	20.6
4 21	13 50.41	− 6 50.6	1.927	2.929	1.8	20.5
5 1	13 42.28	− 6 27.1	1.933	2.917	5.2	20.7
5 11	13 35.04	− 6 11.2	1.965	2.905	8.9	20.9
5 21	13 29.34	− 6 5.6	2.022	2.893	12.2	21.1

438388 2006 UA_{33} 4 19.8 186°.12 1°.0/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.79	− 8 55.1	2.427	3.221	12.3	21.3
3 22	14 12.43	− 8 47.1	2.336	3.221	9.6	21.1
4 1	14 6.22	− 8 32.9	2.269	3.220	6.5	20.9
4 11	13 58.65	− 8 15.0	2.228	3.220	3.1	20.7
4 21	13 50.40	− 7 56.1	2.216	3.220	1.3	20.5
5 1	13 42.25	− 7 39.7	2.234	3.219	4.5	20.8
5 11	13 34.95	− 7 28.9	2.279	3.218	7.9	21.0
5 21	13 29.09	− 7 26.0	2.350	3.218	10.9	21.2

208040 1999 RS_{137} 4 19.8 274°.98 1°.7/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.52	−10 45.0	1.636	2.450	16.4	20.5
3 22	14 13.40	−10 6.4	1.535	2.431	12.9	20.2
4 1	14 7.56	− 9 13.7	1.454	2.411	8.8	19.9
4 11	13 59.55	− 8 10.5	1.398	2.391	4.2	19.6
4 21	13 50.27	− 7 3.0	1.368	2.371	2.1	19.4
5 1	13 40.90	− 5 58.7	1.365	2.351	6.7	19.6
5 11	13 32.68	− 5 5.6	1.387	2.330	11.5	19.9
5 21	13 26.56	− 4 29.1	1.430	2.309	15.9	20.1

140754 2001 UX_{117} 4 19.8 159°.41 1°.0/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 15.90	− 9 14.7	2.764	3.552	11.1	20.9
3 22	14 11.45	− 8 55.7	2.675	3.557	8.6	20.8
4 1	14 5.40	− 8 30.5	2.611	3.562	5.8	20.6
4 11	13 58.21	− 8 1.7	2.575	3.567	2.7	20.4
4 21	13 50.47	− 7 32.1	2.568	3.571	1.3	20.3
5 1	13 42.86	− 7 5.1	2.591	3.575	4.1	20.5
5 11	13 36.00	− 6 43.6	2.643	3.578	7.1	20.7
5 21	13 30.40	− 6 30.1	2.720	3.581	9.8	20.9

439336 2012 WP_{35} 4 19.8 190°.67 3°.8/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.33	−25 58.4	2.518	3.249	13.5	21.3
3 22	14 11.46	−26 2.8	2.418	3.249	11.3	21.2
4 1	14 5.65	−25 51.4	2.339	3.248	8.6	21.0
4 11	13 58.41	−25 23.7	2.285	3.247	5.9	20.8
4 21	13 50.44	−24 41.1	2.258	3.245	4.0	20.7
5 1	13 42.55	−23 46.7	2.260	3.244	4.6	20.7
5 11	13 35.54	−22 45.8	2.289	3.242	7.0	20.9
5 21	13 30.03	−21 44.1	2.345	3.240	9.8	21.0

192241 2008 DA_{70} 4 19.8 71°.04 5°.8/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.96	+ 3 52.0	2.331	3.152	11.8	20.1
3 22	14 8.66	+ 5 15.1	2.260	3.155	9.4	20.0
4 1	14 3.63	+ 6 38.4	2.215	3.158	7.2	19.8
4 11	13 57.39	+ 7 55.5	2.196	3.161	5.9	19.8
4 21	13 50.58	+ 9 0.3	2.205	3.164	6.5	19.8
5 1	13 43.94	+ 9 48.0	2.241	3.167	8.5	19.9
5 11	13 38.14	+10 15.6	2.301	3.171	10.9	20.1
5 21	13 33.72	+10 22.9	2.383	3.174	13.2	20.3

280381 2003 UK_{91} 4 19.8 221°.42 2°.4/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.78	− 6 11.8	2.159	2.965	13.2	20.8
3 22	14 12.67	− 5 44.3	2.069	2.961	10.3	20.6
4 1	14 6.51	− 5 10.7	2.002	2.957	7.0	20.4
4 11	13 58.84	− 4 34.7	1.962	2.952	3.6	20.2
4 21	13 50.39	− 4 0.7	1.949	2.948	2.7	20.1
5 1	13 42.04	− 3 33.1	1.965	2.943	5.8	20.3
5 11	13 34.64	− 3 15.8	2.008	2.938	9.3	20.5
5 21	13 28.83	− 3 10.9	2.075	2.933	12.5	20.7

44832 1999 TJ_{248} 4 19.8 269°.55 1°.9/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.56	− 9 41.5	1.746	2.557	15.6	20.3
3 22	14 14.07	− 9 5.2	1.641	2.535	12.4	20.0
4 1	14 7.95	− 8 16.7	1.557	2.513	8.4	19.7
4 11	13 59.73	− 7 19.6	1.498	2.491	4.1	19.4
4 21	13 50.26	− 6 19.4	1.466	2.468	2.3	19.3
5 1	13 40.68	− 5 23.1	1.460	2.444	6.6	19.5
5 11	13 32.16	− 4 37.7	1.481	2.420	11.2	19.7
5 21	13 25.63	− 4 8.2	1.524	2.396	15.4	19.9

507797 2014 BH_{29} 4 19.8 340°.19 8°.5/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.83	+ 8 41.2	1.902	2.733	13.7	21.0
3 22	14 9.05	+10 18.9	1.834	2.727	11.3	20.8
4 1	14 4.15	+11 53.7	1.789	2.722	9.3	20.7
4 11	13 57.72	+13 16.7	1.769	2.717	8.5	20.6
4 21	13 50.55	+14 20.0	1.775	2.713	9.4	20.6
5 1	13 43.53	+14 58.0	1.804	2.709	11.5	20.8
5 11	13 37.55	+15 8.4	1.856	2.705	14.0	20.9
5 21	13 33.23	+14 52.1	1.927	2.702	16.4	21.1

199380 2006 BK_{227} 4 19.8 320°.47 0°.1/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.13	−13 18.7	1.837	2.640	15.3	20.8
3 22	14 11.84	−13 0.7	1.747	2.636	12.1	20.5
4 1	14 6.19	−12 30.1	1.679	2.632	8.3	20.3
4 11	13 58.76	−11 49.5	1.636	2.628	4.0	20.0
4 21	13 50.41	−11 3.2	1.619	2.624	0.6	19.8
5 1	13 42.15	−10 16.6	1.630	2.621	5.1	20.1
5 11	13 34.99	− 9 35.7	1.667	2.617	9.4	20.3
5 21	13 29.68	− 9 5.2	1.727	2.614	13.2	20.5

336777 2011 BQ_{88} 4 19.8 353°.01 4°.9/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.42	−24 6.5	1.678	2.447	17.9	20.6
3 22	14 13.35	−24 34.6	1.589	2.445	14.9	20.4
4 1	14 7.50	−24 43.5	1.520	2.443	11.4	20.1
4 11	13 59.49	−24 31.6	1.472	2.442	7.6	19.9
4 21	13 50.30	−23 59.5	1.450	2.441	5.0	19.8
5 1	13 41.19	−23 11.3	1.453	2.440	6.0	19.8
5 11	13 33.39	−22 14.3	1.481	2.440	9.5	20.0
5 21	13 27.80	−21 16.6	1.532	2.440	13.3	20.2

519686 2013 AO_{172} 4 19.8 265°.40 2°.3/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.84	− 7 25.9	2.444	3.251	11.8	21.4
3 22	14 8.59	− 6 30.4	2.351	3.244	9.2	21.2
4 1	14 3.63	− 5 27.0	2.281	3.237	6.2	21.0
4 11	13 57.43	− 4 19.8	2.239	3.230	3.2	20.8
4 21	13 50.59	− 3 13.9	2.226	3.223	2.7	20.8
5 1	13 43.84	− 2 14.3	2.241	3.215	5.5	20.9
5 11	13 37.86	− 1 25.6	2.284	3.208	8.6	21.1
5 21	13 33.20	− 0 50.8	2.350	3.201	11.5	21.3

53520 2000 AQ_{144} 4 19.8 76°.98 3°.7/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 18.31	− 7 12.0	1.316	2.149	18.6	18.6
3 22	14 14.90	− 6 14.5	1.254	2.160	14.4	18.4
4 1	14 8.48	− 5 5.5	1.211	2.172	9.7	18.1
4 11	13 59.87	− 3 52.4	1.192	2.184	5.1	17.9
4 21	13 50.29	− 2 44.0	1.198	2.196	4.2	17.9
5 1	13 41.11	− 1 49.1	1.229	2.208	8.3	18.1
5 11	13 33.60	− 1 14.0	1.283	2.219	12.9	18.4
5 21	13 28.55	− 1 1.2	1.358	2.231	16.9	18.7

241383 2008 SX_{146} 4 19.8 173°.37 3°.0/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.19	− 4 29.3	2.086	2.896	13.5	20.2
3 22	14 13.01	− 3 58.0	2.003	2.897	10.5	20.0
4 1	14 6.74	− 3 21.6	1.943	2.897	7.1	19.8
4 11	13 58.95	− 2 44.6	1.909	2.898	3.9	19.6
4 21	13 50.41	− 2 11.6	1.903	2.898	3.4	19.5
5 1	13 42.03	− 1 47.0	1.925	2.899	6.3	19.7
5 11	13 34.65	− 1 34.4	1.974	2.899	9.7	19.9
5 21	13 28.92	− 1 35.6	2.046	2.899	12.8	20.1

498808 2008 UC_{307} 4 19.8 93°.06 4°.4/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.33	−26 14.5	2.093	2.835	15.6	21.4
3 22	14 12.60	−26 22.0	2.006	2.843	13.0	21.2
4 1	14 6.59	−26 10.8	1.939	2.851	10.0	21.1
4 11	13 58.91	−25 40.3	1.895	2.858	6.8	20.9
4 21	13 50.42	−24 52.1	1.878	2.866	4.6	20.8
5 1	13 42.09	−23 50.4	1.889	2.874	5.2	20.8
5 11	13 34.89	−22 41.8	1.926	2.881	8.0	21.0
5 21	13 29.50	−21 33.2	1.988	2.889	11.1	21.2

205818 2002 CN_{219} 4 19.8 66°.49 1°.0/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 21.28	−14 44.8	1.378	2.186	19.2	20.6
3 22	14 17.23	−14 51.4	1.314	2.203	15.2	20.3
4 1	14 10.07	−14 43.0	1.269	2.220	10.5	20.1
4 11	14 0.65	−14 21.3	1.246	2.236	5.3	19.9
4 21	13 50.20	−13 50.2	1.249	2.254	1.1	19.6
5 1	13 40.16	−13 15.7	1.278	2.271	5.8	20.0
5 11	13 31.84	−12 44.8	1.331	2.288	10.6	20.3
5 21	13 26.07	−12 23.0	1.406	2.305	14.9	20.6

349050 2006 VH_{171} 4 19.8 174°.17 3°.0/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.44	− 2 24.5	2.622	3.426	11.2	21.2
3 22	14 11.18	− 1 54.1	2.537	3.427	8.7	21.0
4 1	14 5.26	− 1 21.2	2.476	3.428	6.0	20.8
4 11	13 58.18	− 0 49.3	2.443	3.429	3.6	20.7
4 21	13 50.52	− 0 22.1	2.439	3.429	3.4	20.6
5 1	13 42.99	− 0 3.0	2.464	3.430	5.6	20.8
5 11	13 36.24	+ 0 5.4	2.516	3.430	8.4	21.0
5 21	13 30.78	+ 0 2.0	2.592	3.430	10.9	21.1

6688 Donmccarthy 4 19.8 168°.24 0°.1/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.90	−13 45.8	2.843	3.621	11.0	18.9
3 22	14 9.91	−13 16.7	2.750	3.625	8.7	18.7
4 1	14 4.37	−12 38.5	2.681	3.628	5.9	18.5
4 11	13 57.74	−11 53.3	2.640	3.631	2.8	18.3
4 21	13 50.58	−11 4.4	2.628	3.633	0.4	18.1
5 1	13 43.54	−10 15.5	2.646	3.635	3.6	18.4
5 11	13 37.21	− 9 30.4	2.693	3.636	6.6	18.6
5 21	13 32.09	− 8 52.5	2.766	3.637	9.3	18.7

412539 2014 MQ_{52} 4 19.8 307°.52 3°.6/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.74	− 9 27.0	1.184	2.031	19.3	21.2
3 22	14 10.65	− 8 24.4	1.089	2.005	15.3	20.8
4 1	14 6.29	− 7 1.0	1.014	1.979	10.5	20.5
4 11	13 59.18	− 5 22.8	0.960	1.954	5.3	20.1
4 21	13 50.36	− 3 40.1	0.929	1.928	4.3	19.9
5 1	13 41.32	− 2 6.0	0.921	1.904	9.6	20.1
5 11	13 33.71	− 0 52.9	0.934	1.880	15.4	20.4
5 21	13 28.74	− 0 8.6	0.966	1.857	20.7	20.6

431791 2008 PK_{14} 4 19.8 152°.59 5°.1/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.31	+ 1 10.9	2.305	3.119	12.2	21.6
3 22	14 11.26	+ 2 29.2	2.233	3.126	9.6	21.5
4 1	14 5.39	+ 3 49.5	2.186	3.133	7.0	21.3
4 11	13 58.25	+ 5 5.7	2.166	3.139	5.2	21.2
4 21	13 50.53	+ 6 11.8	2.174	3.145	5.7	21.2
5 1	13 43.00	+ 7 2.4	2.210	3.150	7.9	21.4
5 11	13 36.39	+ 7 34.6	2.272	3.155	10.5	21.5
5 21	13 31.23	+ 7 47.4	2.356	3.159	13.0	21.7

494198 2016 HE_{7} 4 19.8 135°.48 0°.7/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.60	−12 2.2	1.896	2.695	15.0	21.9
3 22	14 13.58	−11 36.0	1.814	2.701	11.8	21.7
4 1	14 7.24	−10 58.4	1.754	2.707	8.0	21.4
4 11	13 59.23	−10 12.5	1.720	2.712	3.7	21.2
4 21	13 50.40	− 9 23.0	1.713	2.717	1.0	21.0
5 1	13 41.76	− 8 35.5	1.734	2.722	5.2	21.3
5 11	13 34.28	− 7 55.4	1.782	2.727	9.3	21.6
5 21	13 28.64	− 7 26.8	1.854	2.731	12.9	21.8

25246 1998 UX_{18} 4 19.8 142°.06 0°.1/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 16.34	−12 43.9	2.153	2.945	13.7	18.4
3 22	14 12.35	−12 29.7	2.066	2.948	10.8	18.2
4 1	14 6.31	−12 5.5	2.001	2.950	7.3	18.0
4 11	13 58.76	−11 33.6	1.962	2.953	3.5	17.8
4 21	13 50.47	−10 57.3	1.950	2.955	0.5	17.5
5 1	13 42.30	−10 21.0	1.968	2.957	4.5	17.8
5 11	13 35.12	− 9 49.4	2.013	2.960	8.3	18.0
5 21	13 29.55	− 9 26.0	2.082	2.961	11.6	18.3

340815 2006 UW_{55} 4 19.8 355°.77 3°.2/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.92	−23 24.2	2.153	2.911	14.7	21.0
3 22	14 10.66	−23 18.9	2.059	2.911	12.1	20.8
4 1	14 5.26	−22 56.4	1.986	2.910	9.0	20.6
4 11	13 58.30	−22 17.0	1.936	2.910	5.8	20.4
4 21	13 50.53	−21 22.9	1.914	2.910	3.3	20.3
5 1	13 42.86	−20 18.5	1.919	2.910	4.5	20.3
5 11	13 36.20	−19 10.4	1.952	2.910	7.7	20.5
5 21	13 31.21	−18 4.8	2.010	2.910	11.0	20.7

364604 2007 RC_{236} 4 19.8 193°.66 0°.9/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.34	−11 36.5	2.056	2.846	14.3	22.4
3 22	14 15.62	−11 5.7	1.962	2.844	11.3	22.2
4 1	14 8.62	−10 23.8	1.891	2.841	7.6	22.0
4 11	13 59.91	− 9 33.9	1.846	2.837	3.6	21.7
4 21	13 50.32	− 8 40.4	1.829	2.833	1.2	21.5
5 1	13 40.82	− 7 48.6	1.841	2.827	5.2	21.8
5 11	13 32.39	− 7 4.3	1.881	2.821	9.2	22.0
5 21	13 25.74	− 6 31.5	1.946	2.814	12.8	22.2

302863 2003 GN_{46} 4 19.8 0°.37 4°.3/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.09	− 1 46.0	2.188	3.009	12.5	20.4
3 22	14 8.93	− 0 40.6	2.110	3.009	9.8	20.3
4 1	14 3.92	+ 0 29.1	2.055	3.009	6.8	20.1
4 11	13 57.60	+ 1 37.3	2.026	3.009	4.6	19.9
4 21	13 50.63	+ 2 38.2	2.026	3.009	4.8	19.9
5 1	13 43.80	+ 3 26.4	2.052	3.009	7.3	20.1
5 11	13 37.87	+ 3 58.2	2.105	3.010	10.2	20.3
5 21	13 33.38	+ 4 11.9	2.179	3.010	13.0	20.4

495959 2007 ML_{6} 4 19.8 284°.91 7°.8/13.2 17 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 22.45	+ 3 36.7	1.758	2.574	15.3	22.7
3 22	14 18.23	+ 5 1.2	1.638	2.529	12.6	22.4
4 1	14 11.09	+ 6 32.2	1.540	2.483	9.7	22.1
4 11	14 1.44	+ 8 1.3	1.468	2.435	7.9	21.9
4 21	13 50.08	+ 9 18.5	1.422	2.387	8.8	21.8
5 1	13 38.23	+10 13.9	1.402	2.336	12.0	21.9
5 11	13 27.23	+10 40.7	1.406	2.285	16.0	22.0
5 21	13 18.24	+10 36.7	1.431	2.232	19.9	22.1

478302 2011 WP_{49} 4 19.8 234°.53 6°.2/12.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.27	+10 13.4	2.828	3.628	10.6	21.9
3 22	14 11.75	+11 1.8	2.744	3.617	8.7	21.8
4 1	14 5.64	+11 46.0	2.684	3.607	7.1	21.7
4 11	13 58.37	+12 21.1	2.651	3.596	6.2	21.6
4 21	13 50.54	+12 42.9	2.646	3.584	6.7	21.6
5 1	13 42.79	+12 48.4	2.668	3.573	8.2	21.7
5 11	13 35.78	+12 36.3	2.716	3.561	10.2	21.8
5 21	13 29.99	+12 7.2	2.786	3.548	12.1	21.9

431960 2008 UU_{102} 4 19.8 172°.29 0°.4/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.83	−14 27.2	2.169	2.955	13.8	22.2
3 22	14 12.76	−14 14.6	2.079	2.956	10.9	22.0
4 1	14 6.61	−13 50.8	2.011	2.957	7.5	21.8
4 11	13 58.93	−13 17.6	1.968	2.958	3.7	21.6
4 21	13 50.47	−12 38.4	1.954	2.959	0.5	21.3
5 1	13 42.13	−11 57.5	1.969	2.959	4.4	21.6
5 11	13 34.76	−11 19.9	2.010	2.960	8.1	21.8
5 21	13 29.03	−10 49.6	2.077	2.960	11.5	22.0

268091 2004 RK_{231} 4 19.8 283°.60 1°.4/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.71	−15 57.8	1.882	2.670	15.5	21.5
3 22	14 14.12	−16 3.2	1.772	2.649	12.5	21.2
4 1	14 7.97	−15 55.9	1.683	2.628	8.9	20.9
4 11	13 59.78	−15 36.5	1.619	2.606	4.7	20.6
4 21	13 50.34	−15 6.9	1.581	2.585	1.4	20.3
5 1	13 40.76	−14 31.5	1.571	2.563	5.0	20.5
5 11	13 32.17	−13 55.9	1.587	2.541	9.4	20.8
5 21	13 25.48	−13 25.8	1.626	2.519	13.5	20.9

477803 2011 CQ_{91} 4 19.9 101°.24 0°.1/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.09	−13 42.6	3.351	4.127	9.6	21.7
3 22	14 7.46	−13 20.5	3.266	4.140	7.5	21.6
4 1	14 2.59	−12 51.1	3.206	4.152	5.1	21.4
4 11	13 56.87	−12 16.4	3.174	4.164	2.4	21.3
4 21	13 50.75	−11 38.7	3.171	4.176	0.3	21.1
5 1	13 44.76	−11 0.9	3.199	4.188	3.0	21.3
5 11	13 39.36	−10 26.0	3.255	4.200	5.5	21.5
5 21	13 34.95	− 9 56.4	3.338	4.212	7.8	21.7

146159 2000 SC_{177} 4 19.9 189°.98 1°.7/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 14.90	−19 33.0	2.955	3.708	11.2	20.5
3 22	14 10.74	−19 26.3	2.853	3.706	9.1	20.3
4 1	14 4.99	−19 8.6	2.775	3.705	6.5	20.2
4 11	13 58.08	−18 40.9	2.723	3.703	3.8	20.0
4 21	13 50.59	−18 4.9	2.700	3.700	1.7	19.8
5 1	13 43.17	−17 23.6	2.707	3.697	3.3	19.9
5 11	13 36.44	−16 40.8	2.743	3.694	6.1	20.1
5 21	13 30.93	−16 0.4	2.805	3.691	8.7	20.3

388329 2006 SO_{379} 4 19.9 229°.18 2°.7/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.09	− 5 59.3	2.455	3.262	11.8	21.6
3 22	14 9.56	− 5 1.5	2.362	3.255	9.1	21.4
4 1	14 4.31	− 3 56.6	2.293	3.248	6.2	21.2
4 11	13 57.79	− 2 49.1	2.252	3.241	3.4	21.0
4 21	13 50.64	− 1 44.0	2.240	3.234	3.2	21.0
5 1	13 43.57	− 0 46.5	2.257	3.227	5.8	21.2
5 11	13 37.28	− 0 0.9	2.300	3.219	8.9	21.3
5 21	13 32.32	+ 0 30.1	2.368	3.211	11.7	21.5

468944 2015 AS_{15} 4 19.9 125°.86 5°.4/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 21.84	+ 3 6.8	1.967	2.776	14.2	20.7
3 22	14 16.65	+ 3 36.9	1.895	2.784	11.2	20.5
4 1	14 9.20	+ 4 5.4	1.846	2.791	8.2	20.3
4 11	14 0.14	+ 4 26.9	1.823	2.798	5.8	20.2
4 21	13 50.34	+ 4 36.7	1.827	2.805	5.8	20.2
5 1	13 40.82	+ 4 31.2	1.859	2.812	8.2	20.4
5 11	13 32.48	+ 4 9.0	1.917	2.818	11.3	20.6
5 21	13 26.00	+ 3 30.6	1.998	2.824	14.1	20.8

176163 2001 JV 4 19.9 309°.77 0°.2/20.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.11	−14 31.2	1.471	2.288	17.8	20.4
3 22	14 11.86	−14 14.2	1.375	2.270	14.2	20.1
4 1	14 6.72	−13 40.2	1.298	2.253	9.9	19.8
4 11	13 59.26	−12 51.4	1.244	2.236	4.9	19.4
4 21	13 50.43	−11 52.5	1.215	2.220	0.6	19.1
5 1	13 41.53	−10 50.9	1.211	2.204	6.1	19.4
5 11	13 33.91	− 9 55.0	1.231	2.188	11.3	19.6
5 21	13 28.56	− 9 12.2	1.273	2.173	16.0	19.9

181664 2008 AW_{16} 4 19.9 238°.27 3°.1/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.48	− 6 36.8	1.833	2.646	14.9	21.2
3 22	14 13.71	− 5 46.9	1.740	2.636	11.7	20.9
4 1	14 7.51	− 4 47.6	1.669	2.625	7.9	20.7
4 11	13 59.46	− 3 43.8	1.623	2.614	4.2	20.4
4 21	13 50.42	− 2 41.9	1.605	2.602	3.6	20.3
5 1	13 41.43	− 1 48.8	1.615	2.590	7.1	20.5
5 11	13 33.52	− 1 10.1	1.650	2.578	11.1	20.7
5 21	13 27.49	− 0 49.2	1.708	2.565	14.8	20.9

128591 2004 QD_{4} 4 19.9 87°.01 5°.1/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.19	− 3 52.6	1.425	2.259	17.3	20.0
3 22	14 13.88	− 2 41.2	1.358	2.265	13.5	19.7
4 1	14 7.76	− 1 21.4	1.311	2.271	9.3	19.5
4 11	13 59.57	− 0 1.4	1.289	2.276	5.7	19.3
4 21	13 50.42	+ 1 9.5	1.292	2.282	5.7	19.3
5 1	13 41.57	+ 2 3.1	1.320	2.288	9.3	19.5
5 11	13 34.22	+ 2 33.7	1.371	2.293	13.4	19.8
5 21	13 29.13	+ 2 39.9	1.443	2.299	17.1	20.0

501465 2014 BY_{14} 4 19.9 316°.47 3°.0/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.76	− 4 9.3	2.051	2.863	13.6	21.0
3 22	14 12.75	− 3 43.4	1.967	2.861	10.6	20.8
4 1	14 6.62	− 3 13.1	1.905	2.860	7.2	20.6
4 11	13 58.95	− 2 42.4	1.870	2.859	4.0	20.4
4 21	13 50.50	− 2 15.9	1.862	2.858	3.4	20.4
5 1	13 42.18	− 1 57.9	1.882	2.857	6.3	20.5
5 11	13 34.87	− 1 51.7	1.928	2.856	9.8	20.7
5 21	13 29.21	− 1 59.0	1.998	2.854	13.0	20.9

185371 2006 VA_{121} 4 19.9 173°.83 0°.5/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.69	−11 23.9	2.883	3.666	10.8	22.2
3 22	14 10.51	−11 1.2	2.790	3.669	8.4	22.0
4 1	14 4.79	−10 31.2	2.722	3.671	5.7	21.9
4 11	13 57.98	− 9 56.1	2.681	3.672	2.7	21.7
4 21	13 50.63	− 9 18.8	2.669	3.673	0.8	21.5
5 1	13 43.38	− 8 42.6	2.688	3.674	3.8	21.7
5 11	13 36.84	− 8 11.0	2.735	3.675	6.7	21.9
5 21	13 31.49	− 7 46.6	2.808	3.675	9.3	22.1

346053 2007 UP_{34} 4 19.9 190°.34 2°.2/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.79	−20 52.7	2.879	3.623	11.7	22.7
3 22	14 12.28	−20 51.4	2.775	3.621	9.5	22.5
4 1	14 6.08	−20 38.5	2.695	3.619	7.0	22.4
4 11	13 58.64	−20 14.3	2.641	3.617	4.2	22.2
4 21	13 50.55	−19 40.4	2.616	3.614	2.2	22.0
5 1	13 42.53	−18 59.8	2.621	3.610	3.5	22.1
5 11	13 35.24	−18 16.4	2.655	3.606	6.3	22.3
5 21	13 29.24	−17 34.4	2.715	3.601	9.0	22.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
275035 2009 UT_{46}			4 19.9 162°.79		0°.2/20.0 17	
	h m	° ′			°	m
3 12	14 16.75	−14 12.1	1.933	2.727	15.0	21.3
3 22	14 12.97	−13 53.3	1.845	2.728	11.8	21.1
4 1	14 6.89	−13 21.9	1.780	2.729	8.1	20.9
4 11	13 59.12	−12 40.3	1.740	2.730	4.0	20.6
4 21	13 50.49	−11 52.3	1.727	2.731	0.5	20.4
5 1	13 42.00	−11 3.4	1.741	2.732	4.8	20.7
5 11	13 34.61	−10 19.3	1.783	2.733	8.9	20.9
5 21	13 29.03	− 9 44.7	1.849	2.734	12.6	21.2
7280 Bergengruen			4 19.9 250°.18		0°.6/19.3 18	
3 12	14 17.29	−12 28.5	2.169	2.959	13.6	19.3
3 22	14 13.30	−12 0.0	2.059	2.941	10.8	19.1
4 1	14 7.13	−11 20.0	1.972	2.922	7.4	18.8
4 11	13 59.28	−10 30.9	1.911	2.903	3.5	18.6
4 21	13 50.47	− 9 36.6	1.878	2.883	0.9	18.3
5 1	13 41.60	− 8 42.4	1.875	2.862	5.0	18.6
5 11	13 33.62	− 7 54.0	1.898	2.841	9.0	18.8
5 21	13 27.24	− 7 15.8	1.946	2.819	12.6	18.9
277778 2006 DC_{204}			4 19.9 359°.99		0°.4/20.3 18	
3 12	14 11.95	−18 11.2	1.772	2.568	16.0	20.0
3 22	14 9.44	−17 12.3	1.684	2.567	12.8	19.7
4 1	14 4.60	−15 52.9	1.618	2.567	8.8	19.5
4 11	13 58.04	−14 16.7	1.577	2.567	4.4	19.2
4 21	13 50.64	−12 30.1	1.562	2.567	0.6	18.9
5 1	13 43.42	−10 41.9	1.575	2.567	5.1	19.3
5 11	13 37.36	− 9 1.6	1.615	2.568	9.4	19.5
5 21	13 33.13	− 7 36.4	1.679	2.569	13.3	19.7
188074 2001 XC_{18}			4 19.9 207°.58		0°.7/19.2 18	
3 12	14 19.14	−10 55.1	2.559	3.340	12.1	21.3
3 22	14 14.27	−10 34.1	2.455	3.332	9.5	21.1
4 1	14 7.51	−10 5.0	2.376	3.324	6.4	20.9
4 11	13 59.36	− 9 30.1	2.324	3.315	3.0	20.6
4 21	13 50.47	− 8 52.4	2.302	3.305	1.0	20.5
5 1	13 41.62	− 8 15.9	2.309	3.295	4.4	20.7
5 11	13 33.57	− 7 44.4	2.346	3.283	7.8	20.9
5 21	13 26.93	− 7 21.3	2.408	3.271	10.8	21.1
468073 2013 SA_{77}			4 19.9 187°.73		2°.5/17.8 18	
3 12	14 20.66	− 4 42.9	2.313	3.109	12.7	21.5
3 22	14 15.55	− 4 25.2	2.222	3.108	10.0	21.3
4 1	14 8.41	− 4 3.6	2.156	3.107	6.8	21.1
4 11	13 59.79	− 3 41.2	2.117	3.106	3.6	20.9
4 21	13 50.42	− 3 21.7	2.106	3.104	2.8	20.9
5 1	13 41.17	− 3 8.6	2.125	3.101	5.6	21.0
5 11	13 32.85	− 3 5.0	2.172	3.098	8.9	21.2
5 21	13 26.11	− 3 12.4	2.244	3.094	12.0	21.4
64997 2002 AP_{60}			4 19.9 251°.80		8°.3/11.6 17	
3 12	14 15.11	+ 7 44.1	1.886	2.711	14.1	19.5
3 22	14 11.64	+ 9 17.8	1.816	2.707	11.5	19.4
4 1	14 5.96	+10 49.4	1.768	2.703	9.3	19.2
4 11	13 58.66	+12 10.0	1.746	2.698	8.3	19.1
4 21	13 50.57	+13 11.8	1.750	2.694	9.1	19.2
5 1	13 42.65	+13 48.8	1.778	2.689	11.3	19.3
5 11	13 35.82	+13 58.7	1.829	2.685	13.9	19.5
5 21	13 30.73	+13 42.4	1.900	2.680	16.4	19.6
249277 2008 SS_{224}			4 19.9 355°.45		0°.7/20.4 17	
3 12	14 14.29	−15 58.9	1.827	2.624	15.6	20.6
3 22	14 11.22	−15 36.6	1.740	2.624	12.4	20.3
4 1	14 5.80	−14 59.2	1.674	2.623	8.6	20.1
4 11	13 58.64	−14 9.0	1.632	2.622	4.3	19.8
4 21	13 50.57	−13 10.3	1.617	2.622	0.7	19.6
5 1	13 42.65	−12 9.2	1.629	2.622	4.8	19.9
5 11	13 35.85	−11 12.5	1.668	2.622	9.1	20.1
5 21	13 30.89	−10 25.7	1.730	2.622	12.9	20.3
280605 2004 WX_{1}			4 19.9 75°.32		3°.2/17.5 17	
3 12	14 19.30	− 3 48.9	1.874	2.687	14.6	20.4
3 22	14 14.79	− 3 27.9	1.804	2.699	11.4	20.2
4 1	14 8.00	− 3 3.0	1.756	2.711	7.8	20.0
4 11	13 59.60	− 2 38.6	1.734	2.723	4.3	19.9
4 21	13 50.46	− 2 19.1	1.739	2.735	3.5	19.8
5 1	13 41.60	− 2 8.8	1.771	2.747	6.6	20.0
5 11	13 33.94	− 2 10.5	1.830	2.759	10.1	20.3
5 21	13 28.15	− 2 25.5	1.912	2.771	13.4	20.5
422642 1995 SG_{29}			4 19.9 307°.73		1°.1/20.5 17	
3 12	14 16.15	−14 58.1	1.423	2.237	18.4	21.4
3 22	14 13.66	−15 2.6	1.326	2.219	14.8	21.1
4 1	14 8.10	−14 51.7	1.249	2.201	10.4	20.8
4 11	14 0.00	−14 26.5	1.194	2.184	5.4	20.4
4 21	13 50.38	−13 49.9	1.163	2.167	1.1	20.1
5 1	13 40.62	−13 8.0	1.157	2.151	6.0	20.4
5 11	13 32.18	−12 28.4	1.175	2.135	11.4	20.6
5 21	13 26.18	−11 58.2	1.214	2.119	16.2	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
300089 2006 UV_{232}			4 19.9 283°.24		3°.7/23.5 17	
	h m	° ′			°	m
3 12	14 14.41	−24 34.1	2.288	3.035	14.3	20.5
3 22	14 11.01	−24 37.8	2.186	3.029	11.9	20.3
4 1	14 5.53	−24 25.0	2.105	3.022	9.0	20.1
4 11	13 58.48	−23 55.4	2.048	3.016	6.0	19.9
4 21	13 50.60	−23 10.4	2.018	3.009	3.8	19.8
5 1	13 42.76	−22 13.8	2.015	3.003	4.7	19.8
5 11	13 35.84	−21 11.2	2.040	2.996	7.5	20.0
5 21	13 30.51	−20 8.6	2.091	2.990	10.7	20.2
406413 2007 TZ_{150}			4 19.9 196°.90		1°.2/20.9 16	
3 12	14 18.94	−17 38.9	1.872	2.653	15.9	22.1
3 22	14 14.87	−17 15.8	1.778	2.651	12.7	21.9
4 1	14 8.30	−16 36.2	1.705	2.648	8.9	21.7
4 11	13 59.86	−15 41.6	1.657	2.644	4.7	21.4
4 21	13 50.42	−14 36.1	1.636	2.640	1.2	21.1
5 1	13 41.09	−13 25.9	1.644	2.636	4.9	21.4
5 11	13 32.93	−12 18.3	1.678	2.631	9.2	21.6
5 21	13 26.73	−11 19.8	1.737	2.625	13.1	21.9
499594 2010 TQ_{87}			4 19.9 273°.73		0°.1/19.9 17	
3 12	14 18.12	−13 24.3	1.619	2.424	16.9	22.1
3 22	14 14.73	−13 14.9	1.522	2.411	13.5	21.8
4 1	14 8.54	−12 51.8	1.445	2.397	9.3	21.5
4 11	14 0.10	−12 17.1	1.392	2.383	4.6	21.2
4 21	13 50.38	−11 34.6	1.364	2.369	0.6	20.9
5 1	13 40.60	−10 50.3	1.364	2.355	5.8	21.2
5 11	13 32.04	−10 11.0	1.388	2.341	10.7	21.4
5 21	13 25.67	− 9 42.5	1.435	2.326	15.1	21.7
227480 2005 WP_{192}			4 19.9 35°.57		7°.0/25.9 17	
3 12	14 15.86	−30 13.0	1.613	2.358	19.4	19.4
3 22	14 13.05	−30 45.3	1.537	2.369	16.6	19.2
4 1	14 7.34	−30 52.7	1.480	2.380	13.3	19.0
4 11	13 59.45	−30 32.5	1.443	2.392	9.9	18.8
4 21	13 50.48	−29 45.3	1.429	2.405	7.4	18.7
5 1	13 41.77	−28 35.8	1.440	2.418	7.4	18.7
5 11	13 34.57	−27 12.9	1.476	2.432	9.9	18.9
5 21	13 29.72	−25 46.7	1.535	2.446	13.1	19.1
173259 1999 RF_{137}			4 19.9 247°.29		0°.4/20.2 17	
3 12	14 19.04	−15 1.6	1.950	2.736	15.1	21.5
3 22	14 15.01	−14 40.5	1.841	2.718	12.1	21.2
4 1	14 8.49	−14 5.1	1.753	2.699	8.4	21.0
4 11	14 0.02	−13 17.3	1.690	2.680	4.2	20.7
4 21	13 50.40	−12 20.5	1.655	2.660	0.5	20.3
5 1	13 40.69	−11 20.5	1.648	2.639	5.1	20.6
5 11	13 31.99	−10 23.9	1.669	2.617	9.5	20.8
5 21	13 25.14	− 9 36.8	1.713	2.595	13.5	21.0
482249 2011 KT_{21}			4 19.9 267°.89		5°.6/ 1.5 17	
3 12	14 11.55	−44 23.3	4.787	5.354	9.2	21.4
3 22	14 7.89	−44 47.2	4.675	5.349	8.4	21.3
4 1	14 2.96	−44 58.3	4.582	5.344	7.5	21.2
4 11	13 57.11	−44 55.2	4.510	5.339	6.6	21.1
4 21	13 50.79	−44 37.7	4.462	5.334	5.9	21.0
5 1	13 44.50	−44 6.3	4.439	5.329	5.6	21.0
5 11	13 38.74	−43 23.1	4.443	5.324	5.8	21.0
5 21	13 33.92	−42 31.0	4.472	5.319	6.5	21.1
368227 2001 TG_{168}			4 19.9 180°.07		3°.7/23.8 17	
3 12	14 18.46	−25 58.5	2.432	3.160	14.0	21.4
3 22	14 13.97	−25 51.9	2.332	3.162	11.7	21.3
4 1	14 7.42	−25 28.2	2.253	3.163	8.9	21.1
4 11	13 59.34	−24 46.9	2.199	3.163	6.0	20.9
4 21	13 50.50	−23 49.9	2.173	3.163	3.8	20.7
5 1	13 41.78	−22 41.0	2.176	3.162	4.5	20.8
5 11	13 34.03	−21 26.3	2.207	3.160	7.3	20.9
5 21	13 27.89	−20 12.1	2.265	3.158	10.2	21.1
115985 2003 WE_{61}			4 19.9 327°.21		3°.5/17.8 17	
3 12	14 18.85	− 4 36.9	1.414	2.244	17.6	19.6
3 22	14 15.48	− 4 19.9	1.332	2.237	13.9	19.4
4 1	14 9.10	− 3 56.9	1.271	2.230	9.5	19.1
4 11	14 0.37	− 3 33.1	1.233	2.224	5.1	18.8
4 21	13 50.37	− 3 14.1	1.219	2.218	3.9	18.7
5 1	13 40.47	− 3 5.7	1.231	2.213	8.0	18.9
5 11	13 32.01	− 3 12.4	1.267	2.207	12.6	19.2
5 21	13 25.96	− 3 35.9	1.324	2.203	16.9	19.4
344852 2004 GP_{74}			4 19.9 353°.53		3°.9/16.5 17	
3 12	14 13.81	− 3 1.5	1.908	2.732	14.0	19.9
3 22	14 10.61	− 2 20.4	1.828	2.730	10.9	19.7
4 1	14 5.27	− 1 34.6	1.771	2.727	7.5	19.5
4 11	13 58.35	− 0 49.4	1.738	2.726	4.5	19.3
4 21	13 50.64	− 0 10.3	1.733	2.724	4.3	19.3
5 1	13 43.08	+ 0 17.5	1.754	2.724	7.2	19.4
5 11	13 36.55	+ 0 30.1	1.800	2.723	10.6	19.6
5 21	13 31.72	+ 0 26.2	1.869	2.723	13.8	19.8

213476 2002 EZ_{131} 4 19.9 117°.28 1°.8/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 20.05	−10 12.1	1.718	2.524	16.1	21.3
3 22	14 15.59	− 9 26.1	1.649	2.540	12.5	21.1
4 1	14 8.63	− 8 28.6	1.601	2.556	8.4	20.8
4 11	13 59.93	− 7 24.5	1.579	2.571	4.0	20.6
4 21	13 50.45	− 6 20.1	1.584	2.586	2.2	20.5
5 1	13 41.31	− 5 22.1	1.617	2.600	6.2	20.8
5 11	13 33.54	− 4 36.6	1.676	2.614	10.3	21.1
5 21	13 27.80	− 4 7.0	1.758	2.626	13.9	21.3

166770 2002 VE_{9} 4 19.9 104°.88 1°.6/21.3 18

3 12	14 19.10	−17 11.7	2.411	3.176	13.2	20.8
3 22	14 14.24	−17 20.9	2.330	3.192	10.5	20.6
4 1	14 7.46	−17 19.3	2.273	3.209	7.4	20.5
4 11	13 59.31	−17 7.8	2.241	3.225	4.1	20.3
4 21	13 50.53	−16 48.3	2.238	3.241	1.6	20.1
5 1	13 41.93	−16 23.9	2.265	3.256	3.8	20.3
5 11	13 34.30	−15 58.6	2.320	3.271	7.1	20.5
5 21	13 28.22	−15 36.1	2.400	3.286	10.0	20.7

360028 2013 AE_{28} 4 19.9 91°.90 1°.2/20.7 18

3 12	14 19.72	−16 39.4	1.400	2.204	19.1	21.4
3 22	14 16.12	−16 27.9	1.328	2.214	15.3	21.2
4 1	14 9.43	−15 58.0	1.275	2.224	10.7	20.9
4 11	14 0.46	−15 11.9	1.245	2.234	5.5	20.7
4 21	13 50.38	−14 14.2	1.239	2.244	1.2	20.4
5 1	13 40.61	−13 12.7	1.260	2.253	5.8	20.7
5 11	13 32.49	−12 15.9	1.306	2.263	10.7	21.0
5 21	13 26.87	−11 30.8	1.373	2.272	15.1	21.3

120886 1998 RV_{67} 4 19.9 144°.93 0°.1/19.9 18

3 12	14 21.28	−15 5.2	1.826	2.612	16.0	20.8
3 22	14 16.53	−14 32.4	1.746	2.624	12.6	20.6
4 1	14 9.30	−13 44.6	1.689	2.636	8.7	20.3
4 11	14 0.27	−12 45.0	1.656	2.646	4.2	20.1
4 21	13 50.41	−11 38.5	1.651	2.656	0.5	19.8
5 1	13 40.82	−10 31.6	1.675	2.665	5.1	20.2
5 11	13 32.53	− 9 31.4	1.726	2.673	9.4	20.4
5 21	13 26.27	− 8 43.2	1.802	2.680	13.1	20.7

131942 2002 CC_{28} 4 19.9 176°.96 1°.9/18.5 18

3 12	14 21.70	− 8 27.3	1.824	2.626	15.4	20.1
3 22	14 16.93	− 8 2.6	1.739	2.628	12.1	19.9
4 1	14 9.65	− 7 29.1	1.676	2.630	8.2	19.7
4 11	14 0.49	− 6 50.5	1.639	2.631	4.0	19.4
4 21	13 50.38	− 6 11.7	1.630	2.631	2.2	19.3
5 1	13 40.43	− 5 38.0	1.648	2.631	6.1	19.6
5 11	13 31.71	− 5 14.4	1.693	2.630	10.3	19.8
5 21	13 24.98	− 5 4.0	1.762	2.628	13.9	20.0

388330 2006 SR_{381} 4 19.9 176°.92 1°.6/18.1 18

3 12	14 14.72	− 8 0.9	2.706	3.500	11.1	22.1
3 22	14 10.63	− 7 28.8	2.616	3.502	8.6	21.9
4 1	14 4.93	− 6 50.5	2.551	3.503	5.8	21.7
4 11	13 58.09	− 6 9.1	2.513	3.504	2.8	21.5
4 21	13 50.69	− 5 28.1	2.504	3.504	1.9	21.4
5 1	13 43.39	− 4 51.2	2.525	3.504	4.5	21.6
5 11	13 36.84	− 4 22.0	2.574	3.504	7.5	21.8
5 21	13 31.54	− 4 2.6	2.648	3.503	10.2	22.0

214091 2004 JG_{31} 4 19.9 307°.84 1°.7/21.6 17

3 12	14 11.97	−19 42.7	2.120	2.898	14.3	20.1
3 22	14 9.23	−19 17.4	2.015	2.884	11.6	19.8
4 1	14 4.39	−18 35.3	1.931	2.870	8.3	19.6
4 11	13 57.97	−17 37.8	1.872	2.857	4.6	19.3
4 21	13 50.69	−16 28.3	1.841	2.843	1.7	19.1
5 1	13 43.44	−15 12.2	1.837	2.830	4.3	19.3
5 11	13 37.10	−13 56.5	1.861	2.817	8.1	19.5
5 21	13 32.36	−12 47.4	1.909	2.805	11.7	19.7

55089 2001 QD_{121} 4 19.9 114°.21 1°.2/18.9 18

3 12	14 20.32	−10 4.3	2.038	2.833	14.3	19.3
3 22	14 15.39	− 9 38.9	1.967	2.852	11.1	19.1
4 1	14 8.30	− 9 4.7	1.919	2.870	7.5	18.9
4 11	13 59.73	− 8 25.2	1.896	2.888	3.5	18.7
4 21	13 50.49	− 7 44.6	1.902	2.906	1.5	18.6
5 1	13 41.56	− 7 7.7	1.938	2.922	5.1	18.9
5 11	13 33.79	− 6 38.8	2.000	2.939	8.8	19.1
5 21	13 27.79	− 6 21.0	2.087	2.954	12.1	19.4

423575 2005 VF_{25} 4 19.9 119°.11 1°.1/20.9 17

3 12	14 16.66	−17 46.9	1.937	2.719	15.3	22.1
3 22	14 12.87	−17 21.4	1.854	2.728	12.2	21.9
4 1	14 6.79	−16 40.2	1.793	2.736	8.6	21.6
4 11	13 59.08	−15 45.3	1.757	2.745	4.5	21.4
4 21	13 50.57	−14 41.0	1.748	2.752	1.1	21.2
5 1	13 42.28	−13 33.2	1.768	2.760	4.5	21.4
5 11	13 35.14	−12 28.7	1.814	2.768	8.5	21.7
5 21	13 29.83	−11 33.3	1.885	2.775	12.1	21.9

210922 2001 SO_{336} 4 19.9 197°.87 1°.7/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 13.59	− 9 13.7	2.480	3.279	11.9	21.3
3 22	14 9.94	− 8 25.0	2.388	3.277	9.2	21.1
4 1	14 4.57	− 7 27.8	2.321	3.275	6.2	20.9
4 11	13 57.96	− 6 25.8	2.281	3.272	3.0	20.7
4 21	13 50.73	− 5 23.5	2.269	3.270	2.0	20.6
5 1	13 43.60	− 4 25.8	2.287	3.267	5.0	20.8
5 11	13 37.27	− 3 37.3	2.333	3.264	8.1	21.0
5 21	13 32.28	− 3 1.0	2.403	3.260	11.0	21.2

39101 2000 WR_{14} 4 19.9 216°.36 0°.2/19.7 18

3 12	14 17.79	−12 39.5	2.128	2.918	13.9	19.9
3 22	14 13.63	−12 26.5	2.032	2.913	11.0	19.6
4 1	14 7.30	−12 3.3	1.959	2.908	7.5	19.4
4 11	13 59.35	−11 32.0	1.912	2.903	3.6	19.2
4 21	13 50.54	−10 56.0	1.892	2.897	0.5	18.9
5 1	13 41.80	−10 19.5	1.902	2.891	4.7	19.2
5 11	13 34.02	− 9 47.6	1.938	2.885	8.6	19.4
5 21	13 27.91	− 9 24.0	2.000	2.878	12.0	19.6

389774 2011 SU_{259} 4 19.9 57°.56 0°.6/20.4 17

3 12	14 15.26	−14 27.5	2.276	3.061	13.2	21.3
3 22	14 11.41	−14 22.6	2.192	3.069	10.5	21.1
4 1	14 5.64	−14 7.6	2.131	3.077	7.2	20.9
4 11	13 58.49	−13 44.2	2.096	3.085	3.6	20.7
4 21	13 50.66	−13 15.3	2.089	3.093	0.6	20.5
5 1	13 42.99	−12 44.5	2.110	3.101	4.0	20.7
5 11	13 36.24	−12 16.0	2.159	3.110	7.5	21.0
5 21	13 31.02	−11 53.6	2.233	3.118	10.7	21.2

234831 2002 RG_{120} 4 19.9 254°.89 6°.0/13.8 17

3 12	14 14.53	+ 3 11.9	2.116	2.937	12.9	20.5
3 22	14 10.98	+ 4 23.1	2.035	2.930	10.3	20.3
4 1	14 5.42	+ 5 35.3	1.978	2.923	7.7	20.2
4 11	13 58.42	+ 6 42.1	1.947	2.917	6.1	20.0
4 21	13 50.67	+ 7 36.8	1.943	2.910	6.6	20.1
5 1	13 43.04	+ 8 14.2	1.966	2.903	8.9	20.2
5 11	13 36.35	+ 8 31.1	2.013	2.896	11.7	20.3
5 21	13 31.20	+ 8 27.0	2.082	2.888	14.3	20.5

210355 2007 UF_{36} 4 19.9 109°.34 2°.9/17.5 18

3 12	14 18.23	− 7 58.2	1.609	2.427	16.4	20.3
3 22	14 14.37	− 7 1.8	1.539	2.438	12.8	20.1
4 1	14 7.93	− 5 54.8	1.491	2.449	8.6	19.9
4 11	13 59.65	− 4 43.1	1.468	2.460	4.4	19.7
4 21	13 50.52	− 3 34.1	1.472	2.470	3.4	19.6
5 1	13 41.71	− 2 35.3	1.502	2.481	7.2	19.9
5 11	13 34.28	− 1 52.6	1.558	2.490	11.3	20.1
5 21	13 28.94	− 1 29.0	1.635	2.500	14.9	20.4

111172 2001 VK_{121} 4 19.9 223°.77 4°.2/16.0 18

3 12	14 18.68	− 1 14.3	2.174	2.982	13.0	20.6
3 22	14 14.22	− 0 26.9	2.081	2.972	10.3	20.4
4 1	14 7.65	+ 0 24.2	2.011	2.962	7.2	20.2
4 11	13 59.51	+ 1 13.8	1.968	2.951	4.7	20.0
4 21	13 50.54	+ 1 56.7	1.954	2.939	4.7	20.0
5 1	13 41.62	+ 2 27.7	1.967	2.927	7.3	20.1
5 11	13 33.64	+ 2 43.3	2.007	2.914	10.5	20.3
5 21	13 27.26	+ 2 42.1	2.070	2.901	13.6	20.5

421173 2013 RD_{52} 4 19.9 245°.35 7°.4/24.9 17

3 12	14 23.06	−29 21.6	1.908	2.630	17.5	21.3
3 22	14 18.66	−30 30.0	1.809	2.624	15.1	21.1
4 1	14 11.29	−31 21.2	1.728	2.617	12.3	20.9
4 11	14 1.51	−31 50.7	1.670	2.610	9.5	20.7
4 21	13 50.26	−31 55.9	1.637	2.604	7.6	20.6
5 1	13 38.87	−31 37.3	1.630	2.597	7.9	20.6
5 11	13 28.69	−31 0.0	1.648	2.590	10.2	20.7
5 21	13 20.78	−30 11.9	1.690	2.582	13.1	20.9

111673 2002 BV_{14} 4 19.9 78°.43 2°.2/17.5 18

3 12	14 13.34	− 7 12.5	2.349	3.155	12.2	19.7
3 22	14 9.75	− 6 28.1	2.272	3.165	9.5	19.5
4 1	14 4.42	− 5 37.2	2.220	3.175	6.3	19.3
4 11	13 57.87	− 4 43.7	2.195	3.186	3.2	19.1
4 21	13 50.76	− 3 52.2	2.198	3.196	2.5	19.1
5 1	13 43.84	− 3 7.3	2.229	3.206	5.3	19.3
5 11	13 37.79	− 2 32.9	2.288	3.216	8.4	19.5
5 21	13 33.13	− 2 11.3	2.371	3.226	11.2	19.7

267347 2001 WM_{31} 4 19.9 146°.76 1°.6/18.6 17

3 12	14 18.17	− 9 14.3	1.969	2.771	14.4	21.5
3 22	14 13.95	− 8 46.9	1.887	2.776	11.3	21.3
4 1	14 7.50	− 8 10.7	1.827	2.781	7.6	21.1
4 11	13 59.43	− 7 29.3	1.794	2.786	3.6	20.8
4 21	13 50.57	− 6 47.2	1.788	2.790	1.9	20.7
5 1	13 41.88	− 6 9.5	1.810	2.794	5.5	21.0
5 11	13 34.30	− 5 40.9	1.859	2.798	9.4	21.2
5 21	13 28.49	− 5 24.6	1.932	2.801	12.8	21.4

518951 2010 HN_8 4 19.9 214°.05 9°.2/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 15.12	+22 26.3	2.880	3.656	11.0	21.7
3 22	14 10.94	+23 51.7	2.822	3.650	9.9	21.6
4 1	14 5.14	+25 6.6	2.786	3.644	9.2	21.5
4 11	13 58.20	+26 4.8	2.776	3.637	9.3	21.5
4 21	13 50.72	+26 42.0	2.790	3.630	9.9	21.6
5 1	13 43.38	+26 55.3	2.827	3.622	11.1	21.6
5 11	13 36.82	+26 44.6	2.885	3.615	12.4	21.7
5 21	13 31.52	+26 11.7	2.961	3.607	13.7	21.8

5847 Wakiya 4 19.9 203°.28 2°.6/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.02	−22 18.6	2.558	3.299	13.1	18.5
3 22	14 14.33	−22 12.3	2.450	3.293	10.7	18.3
4 1	14 7.65	−21 51.6	2.364	3.286	7.9	18.1
4 11	13 59.50	−21 16.6	2.305	3.279	4.9	17.9
4 21	13 50.55	−20 29.2	2.274	3.271	2.7	17.7
5 1	13 41.64	−19 32.9	2.272	3.261	4.0	17.8
5 11	13 33.59	−18 32.9	2.300	3.252	7.1	18.0
5 21	13 27.04	−17 34.5	2.354	3.241	10.1	18.2

37772 1997 GF_{23} 4 19.9 100°.67 3°.1/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.36	− 0 59.7	2.479	3.277	11.9	18.9
3 22	14 15.08	− 0 54.6	2.399	3.284	9.3	18.7
4 1	14 7.97	− 0 49.0	2.343	3.292	6.5	18.5
4 11	13 59.57	− 0 46.0	2.314	3.299	3.8	18.4
4 21	13 50.56	− 0 48.5	2.315	3.307	3.4	18.3
5 1	13 41.74	− 0 58.8	2.345	3.314	5.7	18.5
5 11	13 33.82	− 1 18.5	2.403	3.321	8.6	18.7
5 21	13 27.38	− 1 48.1	2.487	3.328	11.2	18.9

500960 2013 QY_{42} 4 19.9 193°.87 1°.0/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 21.37	−15 20.1	2.517	3.281	12.7	21.7
3 22	14 16.10	−15 26.9	2.415	3.279	10.1	21.5
4 1	14 8.83	−15 24.4	2.337	3.275	7.1	21.3
4 11	14 0.06	−15 13.3	2.285	3.272	3.7	21.1
4 21	13 50.50	−14 55.4	2.263	3.267	1.0	20.9
5 1	13 40.96	−14 33.5	2.271	3.262	3.9	21.1
5 11	13 32.29	−14 11.5	2.309	3.256	7.3	21.3
5 21	13 25.13	−13 52.9	2.372	3.249	10.4	21.5

647 Adelgunde 4 19.9 123°.36 2°.8/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.80	−22 18.2	1.954	2.712	16.0	15.9
3 22	14 15.32	−22 5.3	1.874	2.728	13.0	15.7
4 1	14 8.46	−21 34.1	1.814	2.743	9.5	15.5
4 11	13 59.89	−20 45.3	1.780	2.757	5.7	15.3
4 21	13 50.54	−19 42.2	1.772	2.771	2.9	15.2
5 1	13 41.46	−18 30.5	1.793	2.784	4.6	15.3
5 11	13 33.65	−17 17.5	1.842	2.797	8.3	15.5
5 21	13 27.77	−16 10.0	1.915	2.809	11.7	15.8

245180 2004 TQ_{173} 4 19.9 94°.02 3°.5/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.59	−25 7.6	2.708	3.441	12.6	20.0
3 22	14 10.74	−25 17.1	2.615	3.448	10.5	19.8
4 1	14 5.13	−25 12.6	2.544	3.454	8.0	19.7
4 11	13 58.25	−24 54.0	2.499	3.461	5.4	19.5
4 21	13 50.75	−24 22.5	2.480	3.468	3.6	19.4
5 1	13 43.35	−23 40.9	2.490	3.475	4.2	19.5
5 11	13 36.77	−22 53.6	2.529	3.481	6.5	19.6
5 21	13 31.55	−22 5.3	2.593	3.488	9.0	19.8

384976 2012 TA_{169} 4 19.9 149°.99 2°.3/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.68	− 7 38.9	2.327	3.133	12.4	21.1
3 22	14 10.10	− 6 44.0	2.244	3.136	9.6	20.9
4 1	14 4.71	− 5 41.3	2.184	3.139	6.4	20.7
4 11	13 58.05	− 4 35.0	2.152	3.142	3.3	20.5
4 21	13 50.78	− 3 30.4	2.148	3.145	2.7	20.4
5 1	13 43.66	− 2 32.6	2.173	3.148	5.5	20.6
5 11	13 37.40	− 1 46.2	2.225	3.151	8.7	20.8
5 21	13 32.55	− 1 14.0	2.301	3.153	11.6	21.0

501278 2013 WZ_{41} 4 19.9 156°.58 4°.1/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.30	− 0 31.5	2.466	3.273	11.7	22.1
3 22	14 11.95	+ 0 28.1	2.390	3.281	9.2	22.0
4 1	14 5.87	+ 1 30.2	2.339	3.288	6.5	21.8
4 11	13 58.58	+ 2 29.8	2.315	3.294	4.4	21.7
4 21	13 50.72	+ 3 21.8	2.319	3.300	4.6	21.7
5 1	13 43.04	+ 4 1.9	2.353	3.305	6.8	21.9
5 11	13 36.23	+ 4 27.1	2.413	3.309	9.4	22.0
5 21	13 30.79	+ 4 36.2	2.497	3.313	11.9	22.2

153650 2001 TO_{102} 4 19.9 225°.53 5°.6/25.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.70	−30 15.0	2.101	2.819	16.2	20.0
3 22	14 13.97	−30 21.0	1.996	2.812	13.9	19.8
4 1	14 7.77	−30 5.3	1.910	2.804	11.1	19.6
4 11	13 59.69	−29 26.0	1.847	2.796	8.1	19.4
4 21	13 50.57	−28 23.7	1.810	2.788	5.9	19.3
5 1	13 41.51	−27 2.1	1.800	2.779	6.1	19.3
5 11	13 33.57	−25 28.8	1.817	2.770	8.6	19.4
5 21	13 27.54	−23 52.4	1.860	2.761	11.7	19.6

109847 2001 RQ_{129} 4 19.9 282°.29 0°.2/20.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 18.39	−12 59.1	1.718	2.520	16.2	20.5
3 22	14 14.74	−12 58.5	1.625	2.512	12.9	20.2
4 1	14 8.43	−12 46.4	1.552	2.503	8.9	19.9
4 11	14 0.06	−12 24.4	1.503	2.494	4.4	19.7
4 21	13 50.53	−11 55.9	1.480	2.485	0.5	19.3
5 1	13 41.01	−11 25.7	1.485	2.476	5.4	19.7
5 11	13 32.67	−10 59.5	1.515	2.468	10.0	19.9
5 21	13 26.38	−10 42.0	1.569	2.459	14.1	20.1

205205 2000 FA_1 4 19.9 249°.90 0°.7/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.77	−11 47.6	2.199	2.996	13.3	20.4
3 22	14 11.20	−11 19.4	2.104	2.990	10.4	20.2
4 1	14 5.62	−10 40.8	2.032	2.984	7.1	19.9
4 11	13 58.56	− 9 54.9	1.986	2.978	3.3	19.7
4 21	13 50.73	− 9 5.5	1.967	2.971	1.0	19.5
5 1	13 42.97	− 8 17.6	1.978	2.965	4.8	19.7
5 11	13 36.11	− 7 36.2	2.015	2.959	8.5	20.0
5 21	13 30.78	− 7 5.1	2.077	2.952	11.8	20.2

212493 2006 QL_{139} 4 19.9 236°.55 1°.4/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.84	− 9 17.7	2.355	3.154	12.4	21.5
3 22	14 11.08	− 8 45.5	2.259	3.147	9.7	21.3
4 1	14 5.46	− 8 5.2	2.187	3.140	6.6	21.1
4 11	13 58.46	− 7 19.9	2.141	3.133	3.2	20.8
4 21	13 50.74	− 6 33.5	2.123	3.125	1.7	20.7
5 1	13 43.08	− 5 50.8	2.134	3.117	4.9	20.9
5 11	13 36.25	− 5 16.0	2.173	3.109	8.4	21.1
5 21	13 30.85	− 4 52.2	2.236	3.101	11.5	21.3

292583 2006 TT_{92} 4 19.9 235°.37 1°.2/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.28	−10 46.7	2.374	3.172	12.4	20.9
3 22	14 9.84	−10 5.6	2.281	3.168	9.7	20.7
4 1	14 4.59	− 9 15.0	2.211	3.164	6.5	20.5
4 11	13 58.03	− 8 18.2	2.168	3.160	3.1	20.3
4 21	13 50.80	− 7 19.4	2.153	3.156	1.5	20.2
5 1	13 43.66	− 6 23.8	2.167	3.151	4.7	20.4
5 11	13 37.35	− 5 35.9	2.209	3.147	8.1	20.6
5 21	13 32.43	− 4 59.5	2.275	3.142	11.2	20.8

30502 2000 RY_{29} 4 19.9 55°.33 0°.1/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.46	−16 1.1	2.156	2.946	13.7	18.2
3 22	14 9.32	−15 14.8	2.075	2.955	10.8	18.0
4 1	14 4.27	−14 14.4	2.016	2.964	7.4	17.8
4 11	13 57.86	−13 3.2	1.983	2.974	3.6	17.6
4 21	13 50.83	−11 46.1	1.979	2.984	0.4	17.3
5 1	13 43.99	−10 29.1	2.003	2.993	4.3	17.7
5 11	13 38.13	− 9 18.5	2.054	3.003	8.0	17.9
5 21	13 33.79	− 8 19.1	2.131	3.014	11.2	18.1

343807 2011 GE_{83} 4 19.9 245°.46 3°.4/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.18	− 3 54.3	1.960	2.774	14.0	20.9
3 22	14 13.24	− 3 19.9	1.874	2.770	11.0	20.7
4 1	14 7.08	− 2 40.5	1.812	2.767	7.5	20.4
4 11	13 59.28	− 2 0.8	1.775	2.764	4.3	20.2
4 21	13 50.64	− 1 25.8	1.766	2.760	3.8	20.2
5 1	13 42.13	− 1 0.5	1.784	2.757	6.8	20.4
5 11	13 34.66	− 0 48.8	1.828	2.753	10.4	20.6
5 21	13 28.92	− 0 52.3	1.895	2.749	13.7	20.8

248330 2005 QL_{35} 4 19.9 260°.64 2°.9/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.54	−20 56.7	2.510	3.261	13.1	20.7
3 22	14 13.32	−21 18.5	2.401	3.249	10.7	20.5
4 1	14 7.08	−21 28.6	2.313	3.237	8.0	20.3
4 11	13 59.30	−21 26.6	2.251	3.225	5.0	20.1
4 21	13 50.64	−21 13.2	2.217	3.212	2.9	20.0
5 1	13 41.92	−20 50.6	2.212	3.200	4.2	20.0
5 11	13 33.99	−20 22.8	2.234	3.187	7.2	20.2
5 21	13 27.53	−19 54.1	2.283	3.174	10.2	20.4

423491 2005 TA_{81} 4 19.9 107°.55 3°.8/22.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 23.03	−21 33.5	1.966	2.720	16.1	21.8
3 22	14 17.96	−22 8.6	1.885	2.734	13.2	21.6
4 1	14 10.36	−22 29.1	1.825	2.748	9.8	21.4
4 11	14 0.87	−22 33.8	1.789	2.761	6.3	21.3
4 21	13 50.45	−22 23.3	1.780	2.774	3.8	21.1
5 1	13 40.20	−22 0.7	1.800	2.787	5.2	21.2
5 11	13 31.23	−21 31.1	1.846	2.799	8.4	21.4
5 21	13 24.28	−21 0.5	1.918	2.811	11.8	21.7

53132 1999 AS_{31} 4 19.9 300°.11 3°.5/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.06	−20 4.6	1.659	2.444	17.4	18.2
3 22	14 14.17	−20 28.2	1.550	2.420	14.4	17.9
4 1	14 8.39	−20 35.8	1.460	2.396	10.7	17.6
4 11	14 0.20	−20 26.1	1.392	2.372	6.6	17.3
4 21	13 50.50	−19 59.7	1.350	2.349	3.5	17.0
5 1	13 40.54	−19 20.2	1.333	2.325	5.7	17.1
5 11	13 31.69	−18 34.1	1.342	2.302	10.2	17.3
5 21	13 25.04	−17 49.3	1.373	2.279	14.6	17.5

459115 2012 BX_{125} 4 19.9 335°.93 9°.3/25.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 11.57	−28 25.0	1.233	2.018	22.3	20.0
3 22	14 10.95	−29 39.9	1.142	1.999	19.3	19.8
4 1	14 6.82	−30 31.4	1.066	1.982	15.8	19.5
4 11	13 59.66	−30 53.2	1.009	1.966	12.2	19.2
4 21	13 50.56	−30 41.4	0.973	1.951	9.6	19.0
5 1	13 41.18	−29 56.8	0.957	1.937	9.8	19.0
5 11	13 33.40	−28 48.1	0.962	1.925	12.9	19.1
5 21	13 28.58	−27 27.6	0.987	1.915	16.9	19.3

427757 2004 TV_{13} 4 19.9 168°.30 2°.1/21.9 17

3 12	14 16.41	−20 46.2	2.234	2.996	14.2	21.3
3 22	14 12.48	−20 27.1	2.141	2.999	11.5	21.1
4 1	14 6.47	−19 52.2	2.069	3.002	8.3	20.9
4 11	13 58.96	−19 2.6	2.023	3.004	4.8	20.7
4 21	13 50.69	−18 1.4	2.005	3.006	2.1	20.5
5 1	13 42.56	−16 53.4	2.015	3.007	4.1	20.7
5 11	13 35.42	−15 44.8	2.054	3.008	7.6	20.9
5 21	13 29.90	−14 41.6	2.118	3.009	10.9	21.1

45979 2001 BZ_{46} 4 19.9 357°.40 4°.0/22.9 18

3 12	14 9.30	−23 38.5	1.202	2.013	21.3	18.4
3 22	14 8.66	−23 28.1	1.125	2.008	17.6	18.1
4 1	14 4.81	−22 48.0	1.063	2.005	13.1	17.8
4 11	13 58.44	−21 38.1	1.022	2.004	8.1	17.5
4 21	13 50.74	−20 3.1	1.003	2.003	4.1	17.3
5 1	13 43.22	−18 12.9	1.008	2.004	6.2	17.4
5 11	13 37.34	−16 21.5	1.036	2.006	11.2	17.7
5 21	13 34.06	−14 41.3	1.084	2.009	16.0	18.0

427373 2014 WF_{498} 4 19.9 212°.21 12°.2/ 1.0 17

3 12	14 20.53	+30 12.5	2.510	3.254	13.2	21.1
3 22	14 15.56	+32 3.8	2.462	3.245	12.5	21.1
4 1	14 8.49	+33 38.7	2.436	3.236	12.2	21.0
4 11	13 59.90	+34 49.3	2.432	3.227	12.5	21.0
4 21	13 50.58	+35 30.2	2.449	3.216	13.3	21.1
5 1	13 41.43	+35 38.7	2.487	3.205	14.4	21.1
5 11	13 33.34	+35 15.6	2.542	3.193	15.6	21.2
5 21	13 26.92	+34 24.5	2.611	3.181	16.7	21.3

338433 2003 CK_{25} 4 19.9 55°.68 5°.9/15.1 18

3 12	14 17.95	+ 4 46.6	2.049	2.865	13.5	19.7
3 22	14 13.49	+ 5 25.0	1.989	2.879	10.7	19.6
4 1	14 7.01	+ 6 0.6	1.951	2.894	8.0	19.4
4 11	13 59.14	+ 6 27.9	1.939	2.909	6.1	19.3
4 21	13 50.68	+ 6 42.1	1.954	2.924	6.3	19.4
5 1	13 42.53	+ 6 40.1	1.996	2.939	8.4	19.5
5 11	13 35.50	+ 6 20.6	2.063	2.955	11.0	19.7
5 21	13 30.13	+ 5 44.5	2.152	2.970	13.5	19.9

323724 2005 JC_{107} 4 19.9 288°.84 9°.1/11.3 17

3 12	14 14.97	+ 5 51.2	1.615	2.450	15.6	20.5
3 22	14 12.21	+ 7 39.0	1.526	2.426	12.8	20.3
4 1	14 6.81	+ 9 30.0	1.460	2.402	10.3	20.1
4 11	13 59.32	+11 13.5	1.418	2.377	9.1	19.9
4 21	13 50.63	+12 38.5	1.401	2.353	10.2	19.9
5 1	13 41.89	+13 35.8	1.408	2.328	13.0	20.0
5 11	13 34.28	+14 0.3	1.437	2.304	16.4	20.2
5 21	13 28.69	+13 51.9	1.483	2.279	19.6	20.3

133540 2003 TB_{12} 4 19.9 210°.86 1°.4/18.6 18

3 12	14 16.35	− 9 27.0	2.223	3.022	13.1	20.3
3 22	14 12.36	− 8 59.5	2.131	3.019	10.2	20.1
4 1	14 6.38	− 8 23.6	2.062	3.015	6.9	19.9
4 11	13 58.92	− 7 42.6	2.019	3.011	3.3	19.6
4 21	13 50.70	− 7 0.5	2.004	3.007	1.7	19.5
5 1	13 42.57	− 6 21.8	2.018	3.002	5.1	19.7
5 11	13 35.35	− 5 51.0	2.060	2.998	8.7	19.9
5 21	13 29.68	− 5 31.2	2.125	2.993	11.9	20.1

495347 2014 OJ_{14} 4 19.9 175°.96 2°.3/18.1 16

3 12	14 20.21	− 8 39.7	1.786	2.591	15.5	22.1
3 22	14 15.83	− 7 56.4	1.702	2.594	12.2	21.9
4 1	14 8.94	− 7 2.7	1.641	2.596	8.2	21.6
4 11	14 0.20	− 6 3.2	1.605	2.597	4.0	21.4
4 21	13 50.54	− 5 3.9	1.597	2.598	2.7	21.3
5 1	13 41.06	− 4 11.3	1.617	2.598	6.5	21.5
5 11	13 32.81	− 3 31.3	1.663	2.597	10.6	21.7
5 21	13 26.55	− 3 7.4	1.732	2.596	14.3	22.0

75123 1999 VH_{64} 4 19.9 65°.88 1°.4/18.9 18

3 12	14 19.26	−10 10.5	1.484	2.301	17.6	19.1
3 22	14 15.42	− 9 49.4	1.418	2.315	13.8	18.9
4 1	14 8.78	− 9 17.0	1.373	2.330	9.3	18.6
4 11	14 0.13	− 8 37.6	1.351	2.344	4.4	18.4
4 21	13 50.56	− 7 56.5	1.356	2.359	1.7	18.2
5 1	13 41.36	− 7 20.2	1.386	2.374	6.3	18.6
5 11	13 33.68	− 6 54.4	1.441	2.389	10.8	18.9
5 21	13 28.28	− 6 42.6	1.519	2.403	14.8	19.1

392419 2010 MT_{80} 4 19.9 313°.25 6°.8/25.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 18.51	−31 31.3	2.364	3.064	15.1	20.5
3 22	14 14.51	−32 29.3	2.260	3.056	13.1	20.4
4 1	14 8.15	−33 11.1	2.176	3.049	10.8	20.2
4 11	13 59.91	−33 33.8	2.114	3.041	8.6	20.0
4 21	13 50.57	−33 35.6	2.078	3.034	7.1	19.9
5 1	13 41.13	−33 17.2	2.068	3.027	7.1	19.9
5 11	13 32.63	−32 42.8	2.084	3.020	8.7	20.0
5 21	13 25.88	−31 58.2	2.125	3.013	11.0	20.1

93629 2000 UH_{77} 4 19.9 224°.23 2°.3/17.9 18

3 12	14 16.91	− 7 23.8	2.088	2.893	13.6	20.6
3 22	14 12.95	− 6 47.4	1.996	2.887	10.6	20.4
4 1	14 6.86	− 6 3.1	1.926	2.881	7.2	20.1
4 11	13 59.18	− 5 14.9	1.883	2.874	3.6	19.9
4 21	13 50.68	− 4 27.5	1.867	2.867	2.6	19.8
5 1	13 42.25	− 3 46.3	1.880	2.859	5.9	20.0
5 11	13 34.78	− 3 15.8	1.920	2.851	9.6	20.2
5 21	13 28.96	− 2 58.9	1.983	2.843	12.9	20.4

93684 2000 VC_{15} 4 19.9 112°.09 1°.8/18.4 18

3 12	14 16.91	− 8 57.6	1.933	2.740	14.5	19.6
3 22	14 13.01	− 8 25.9	1.854	2.746	11.3	19.4
4 1	14 6.90	− 7 45.3	1.797	2.752	7.6	19.2
4 11	13 59.18	− 6 59.7	1.765	2.757	3.7	19.0
4 21	13 50.69	− 6 14.0	1.761	2.763	2.1	18.9
5 1	13 42.39	− 5 33.6	1.785	2.768	5.7	19.1
5 11	13 35.20	− 5 3.1	1.835	2.774	9.5	19.4
5 21	13 29.77	− 4 45.7	1.909	2.779	12.9	19.6

120493 1993 FJ_{45} 4 19.9 350°.66 1°.8/18.5 17

3 12	14 13.13	−10 18.5	1.595	2.419	16.3	19.7
3 22	14 10.63	− 9 40.4	1.513	2.415	12.8	19.5
4 1	14 5.60	− 8 49.6	1.452	2.411	8.6	19.2
4 11	13 58.67	− 7 50.6	1.415	2.409	4.1	18.9
4 21	13 50.75	− 6 49.8	1.404	2.406	2.2	18.8
5 1	13 42.98	− 5 54.2	1.419	2.405	6.4	19.1
5 11	13 36.42	− 5 10.8	1.458	2.404	10.9	19.3
5 21	13 31.86	− 4 43.7	1.519	2.403	14.8	19.5

496549 2014 WT_{341} 4 19.9 233°.69 5°.7/15.3 17

3 12	14 19.58	+ 0 31.5	1.786	2.605	15.0	21.8
3 22	14 15.43	+ 1 30.3	1.699	2.595	11.9	21.5
4 1	14 8.75	+ 2 32.6	1.634	2.585	8.6	21.3
4 11	14 0.17	+ 3 31.5	1.595	2.574	6.1	21.1
4 21	13 50.57	+ 4 19.8	1.582	2.562	6.3	21.1
5 1	13 41.04	+ 4 51.2	1.596	2.551	9.2	21.3
5 11	13 32.66	+ 5 1.6	1.635	2.538	12.7	21.4
5 21	13 26.24	+ 4 50.2	1.695	2.526	16.1	21.6

79020 1085 $T\text{-}_2$ 4 19.9 159°.53 0°.9/20.7 16

3 12	14 20.38	−16 14.5	2.038	2.814	14.9	21.7
3 22	14 15.70	−15 59.8	1.950	2.821	11.8	21.5
4 1	14 8.73	−15 31.7	1.885	2.828	8.2	21.3
4 11	14 0.08	−14 51.9	1.846	2.833	4.2	21.1
4 21	13 50.59	−14 3.9	1.834	2.838	0.9	20.8
5 1	13 41.28	−13 12.6	1.851	2.843	4.5	21.1
5 11	13 33.09	−12 23.8	1.896	2.846	8.5	21.3
5 21	13 26.73	−11 42.7	1.966	2.849	12.0	21.6

178079 2006 SJ_{131} 4 19.9 168°.82 3°.6/23.7 18

3 12	14 17.81	−24 53.5	2.770	3.496	12.5	21.1
3 22	14 13.27	−25 14.9	2.671	3.499	10.4	20.9
4 1	14 6.89	−25 23.4	2.594	3.501	8.0	20.8
4 11	13 59.15	−25 18.2	2.543	3.503	5.5	20.6
4 21	13 50.71	−25 0.0	2.519	3.505	3.8	20.5
5 1	13 42.31	−24 30.9	2.525	3.506	4.3	20.5
5 11	13 34.72	−23 55.0	2.558	3.508	6.6	20.7
5 21	13 28.52	−23 16.5	2.619	3.509	9.1	20.8

278801 2008 SJ_{235} 4 19.9 309°.89 3°.3/16.8 18

3 12	14 13.22	− 6 59.5	1.794	2.617	14.8	20.4
3 22	14 10.39	− 5 53.7	1.709	2.611	11.5	20.2
4 1	14 5.28	− 4 37.3	1.646	2.605	7.8	19.9
4 11	13 58.47	− 3 16.2	1.608	2.599	4.3	19.7
4 21	13 50.79	− 1 57.6	1.597	2.593	3.8	19.6
5 1	13 43.22	− 0 49.3	1.613	2.587	7.2	19.8
5 11	13 36.73	+ 0 2.7	1.655	2.582	11.1	20.0
5 21	13 32.01	+ 0 34.8	1.718	2.577	14.6	20.3

333083 2011 UT_{129} 4 19.9 25°.41 1°.5/19.1 17

3 12	14 21.23	− 8 27.6	1.398	2.219	18.3	20.5
3 22	14 17.37	− 8 28.4	1.322	2.221	14.4	20.3
4 1	14 10.40	− 8 20.6	1.265	2.223	9.8	20.0
4 11	14 1.05	− 8 7.5	1.232	2.225	4.7	19.7
4 21	13 50.47	− 7 53.3	1.224	2.227	1.9	19.5
5 1	13 40.08	− 7 43.3	1.241	2.230	6.7	19.8
5 11	13 31.25	− 7 42.4	1.283	2.233	11.7	20.1
5 21	13 24.92	− 7 53.6	1.346	2.236	16.0	20.4

172470 2003 SY_{45} 4 19.9 155°.98 2°.0/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 19.99	− 8 34.2	1.828	2.633	15.3	20.7
3 22	14 15.56	− 8 0.4	1.747	2.638	11.9	20.4
4 1	14 8.71	− 7 17.2	1.689	2.644	8.0	20.2
4 11	14 0.09	− 6 29.0	1.657	2.649	3.9	20.0
4 21	13 50.60	− 5 40.9	1.652	2.653	2.4	19.9
5 1	13 41.31	− 4 58.9	1.675	2.657	6.1	20.1
5 11	13 33.25	− 4 28.0	1.724	2.660	10.2	20.4
5 21	13 27.12	− 4 11.4	1.796	2.663	13.7	20.6

134369 Sahara 4 19.9 195°.03 3°.0/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.50	− 2 16.9	3.162	3.962	9.6	21.5
3 22	14 9.47	− 1 19.4	3.071	3.959	7.4	21.4
4 1	14 4.08	− 0 18.6	3.005	3.955	5.2	21.2
4 11	13 57.73	+ 0 41.8	2.968	3.951	3.3	21.1
4 21	13 50.90	+ 1 37.9	2.962	3.946	3.4	21.1
5 1	13 44.15	+ 2 25.9	2.985	3.940	5.3	21.2
5 11	13 38.01	+ 3 2.8	3.036	3.934	7.7	21.3
5 21	13 32.91	+ 3 27.1	3.112	3.928	9.8	21.5

434167 2002 TQ_{65} 4 19.9 54°.24 5°.2/16.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 31.00	+ 4 14.7	1.976	2.766	14.8	20.4
3 22	14 23.12	+ 4 26.9	1.942	2.819	11.6	20.3
4 1	14 13.13	+ 4 35.2	1.932	2.871	8.3	20.2
4 11	14 1.90	+ 4 35.2	1.949	2.923	5.7	20.1
4 21	13 50.42	+ 4 23.9	1.996	2.974	5.4	20.2
5 1	13 39.70	+ 3 59.6	2.072	3.024	7.6	20.4
5 11	13 30.55	+ 3 22.4	2.176	3.073	10.3	20.7
5 21	13 23.46	+ 2 34.0	2.304	3.122	12.7	20.9

159858 2004 LK_{16} 4 19.9 290°.29 1°.7/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.69	−18 7.2	1.386	2.194	19.1	20.8
3 22	14 13.45	−17 54.1	1.290	2.177	15.5	20.5
4 1	14 8.06	−17 19.4	1.211	2.160	11.1	20.2
4 11	14 0.09	−16 24.0	1.155	2.143	6.0	19.8
4 21	13 50.58	−15 11.8	1.123	2.127	1.7	19.5
5 1	13 40.97	−13 50.7	1.116	2.110	6.1	19.7
5 11	13 32.74	−12 31.3	1.132	2.093	11.6	20.0
5 21	13 27.02	−11 23.4	1.170	2.077	16.6	20.2

129595 Vand 4 19.9 76°.10 1°.8/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.69	− 9 44.5	1.413	2.232	18.2	20.2
3 22	14 16.61	− 9 17.1	1.351	2.249	14.2	20.0
4 1	14 9.62	− 8 38.2	1.310	2.267	9.5	19.8
4 11	14 0.55	− 7 52.5	1.292	2.285	4.5	19.5
4 21	13 50.56	− 7 6.3	1.299	2.302	2.1	19.4
5 1	13 41.02	− 6 26.5	1.333	2.320	6.7	19.8
5 11	13 33.11	− 5 59.0	1.392	2.337	11.3	20.1
5 21	13 27.60	− 5 47.0	1.472	2.354	15.3	20.3

32293 2000 QT_8 4 19.9 215°.96 2°.7/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.19	− 5 37.4	2.561	3.366	11.4	19.8
3 22	14 9.61	− 4 41.3	2.469	3.362	8.8	19.6
4 1	14 4.36	− 3 38.9	2.402	3.357	6.0	19.4
4 11	13 57.92	− 2 34.4	2.363	3.351	3.4	19.2
4 21	13 50.88	− 1 32.5	2.352	3.346	3.1	19.2
5 1	13 43.93	− 0 38.1	2.371	3.340	5.6	19.3
5 11	13 37.72	+ 0 4.8	2.417	3.334	8.5	19.5
5 21	13 32.79	+ 0 33.7	2.487	3.328	11.2	19.7

413262 2003 TS_{21} 4 19.9 205°.60 0°.5/19.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.53	−12 41.9	2.007	2.797	14.6	22.7
3 22	14 15.16	−12 13.5	1.911	2.792	11.6	22.4
4 1	14 8.47	−11 33.1	1.837	2.787	7.9	22.2
4 11	14 0.01	−10 43.3	1.789	2.780	3.8	21.9
4 21	13 50.62	− 9 48.5	1.769	2.773	0.9	21.7
5 1	13 41.30	− 8 54.2	1.777	2.765	5.1	22.0
5 11	13 33.03	− 8 6.5	1.813	2.757	9.2	22.2
5 21	13 26.56	− 7 29.8	1.873	2.747	12.9	22.4

416328 2003 SV_{183} 4 19.9 225°.58 1°.0/20.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.90	−16 23.0	1.935	2.716	15.4	22.5
3 22	14 15.68	−16 12.0	1.833	2.706	12.4	22.2
4 1	14 8.97	−15 46.8	1.752	2.695	8.7	22.0
4 11	14 0.32	−15 8.5	1.696	2.684	4.5	21.7
4 21	13 50.58	−14 20.3	1.668	2.672	1.0	21.4
5 1	13 40.84	−13 27.2	1.668	2.660	4.8	21.6
5 11	13 32.16	−12 35.7	1.695	2.647	9.2	21.9
5 21	13 25.40	−11 51.6	1.747	2.633	13.1	22.1

126426 2002 CO_2 4 19.9 189°.83 1°.4/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.63	− 8 57.7	2.249	3.043	13.1	20.6
3 22	14 14.11	− 8 34.4	2.157	3.042	10.3	20.4
4 1	14 7.55	− 8 3.5	2.089	3.041	6.9	20.2
4 11	13 59.51	− 7 27.9	2.047	3.039	3.3	20.0
4 21	13 50.70	− 6 51.6	2.034	3.036	1.7	19.9
5 1	13 41.99	− 6 18.9	2.050	3.034	5.1	20.1
5 11	13 34.21	− 5 53.7	2.094	3.030	8.6	20.3
5 21	13 28.02	− 5 39.1	2.162	3.026	11.8	20.5

250385 2003 UW_{111} 4 19.9 214°.53 1°.0/19.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 21.02	−10 27.7	2.146	2.934	13.8	21.7
3 22	14 16.20	−10 4.7	2.044	2.925	10.9	21.5
4 1	14 9.13	− 9 32.3	1.965	2.915	7.4	21.2
4 11	14 0.33	− 8 53.2	1.913	2.905	3.5	21.0
4 21	13 50.59	− 8 11.3	1.890	2.893	1.3	20.8
5 1	13 40.87	− 7 31.2	1.895	2.881	5.2	21.0
5 11	13 32.11	− 6 58.1	1.929	2.867	9.1	21.2
5 21	13 25.06	− 6 35.4	1.987	2.853	12.6	21.4

209608 2005 AB_1 4 19.9 40°.09 2°.6/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.78	− 8 35.1	1.317	2.150	18.5	20.0
3 22	14 13.86	− 7 57.2	1.252	2.158	14.5	19.8
4 1	14 7.94	− 7 7.4	1.206	2.167	9.7	19.5
4 11	13 59.82	− 6 11.5	1.183	2.176	4.8	19.3
4 21	13 50.66	− 5 16.9	1.184	2.185	3.1	19.2
5 1	13 41.84	− 4 31.7	1.211	2.195	7.5	19.5
5 11	13 34.62	− 4 2.2	1.260	2.206	12.2	19.8
5 21	13 29.81	− 3 51.6	1.331	2.216	16.4	20.0

43150 1999 XF_{109} 4 19.9 260°.88 0°.1/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.77	−14 37.4	1.868	2.661	15.4	19.9
3 22	14 14.19	−14 4.7	1.757	2.639	12.4	19.7
4 1	14 8.08	−13 16.3	1.667	2.617	8.6	19.4
4 11	13 59.95	−12 14.4	1.603	2.594	4.2	19.1
4 21	13 50.63	−11 3.4	1.565	2.570	0.6	18.7
5 1	13 41.19	− 9 49.9	1.556	2.546	5.4	19.0
5 11	13 32.75	− 8 41.7	1.573	2.521	10.1	19.2
5 21	13 26.21	− 7 45.3	1.615	2.496	14.2	19.4

142444 2002 SL_{57} 4 19.9 262°.34 2°.5/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.77	− 7 22.3	1.834	2.643	15.0	20.7
3 22	14 14.92	− 6 48.8	1.730	2.624	11.9	20.4
4 1	14 8.54	− 6 6.0	1.649	2.604	8.1	20.1
4 11	14 0.16	− 5 18.0	1.592	2.584	4.1	19.8
4 21	13 50.61	− 4 30.1	1.563	2.563	2.9	19.7
5 1	13 40.97	− 3 48.4	1.562	2.542	6.7	19.9
5 11	13 32.37	− 3 18.7	1.586	2.520	11.0	20.1
5 21	13 25.67	− 3 4.7	1.633	2.498	14.9	20.3

29534 1998 BP_7 4 19.9 126°.98 0°.6/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.11	−11 57.3	2.416	3.206	12.4	19.5
3 22	14 11.17	−11 30.1	2.332	3.214	9.7	19.3
4 1	14 5.44	−10 53.9	2.271	3.221	6.6	19.1
4 11	13 58.44	−10 11.3	2.237	3.229	3.1	18.9
4 21	13 50.84	− 9 26.0	2.231	3.236	0.8	18.7
5 1	13 43.39	− 8 42.3	2.255	3.242	4.3	19.0
5 11	13 36.81	− 8 4.3	2.306	3.249	7.6	19.2
5 21	13 31.64	− 7 35.4	2.383	3.255	10.6	19.4

145844 1999 AG_{26} 4 19.9 97°.95 2°.9/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.38	− 5 51.9	1.881	2.689	14.8	20.2
3 22	14 15.54	− 5 9.2	1.819	2.712	11.5	20.1
4 1	14 8.48	− 4 20.1	1.780	2.735	7.7	19.9
4 11	13 59.89	− 3 29.9	1.767	2.757	4.1	19.7
4 21	13 50.68	− 2 43.9	1.782	2.779	3.3	19.7
5 1	13 41.84	− 2 7.4	1.825	2.800	6.4	19.9
5 11	13 34.27	− 1 44.3	1.894	2.821	10.0	20.2
5 21	13 28.56	− 1 36.3	1.987	2.841	13.1	20.4

503364 2016 CE_8 4 19.9 13°.47 1°.3/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.13	−16 1.7	1.189	2.017	20.4	20.9
3 22	14 12.31	−16 0.4	1.119	2.019	16.4	20.7
4 1	14 7.21	−15 39.7	1.068	2.023	11.4	20.4
4 11	13 59.59	−15 1.7	1.037	2.028	5.9	20.1
4 21	13 50.69	−14 11.3	1.029	2.034	1.3	19.8
5 1	13 42.05	−13 16.6	1.045	2.040	6.2	20.1
5 11	13 35.11	−12 26.9	1.084	2.048	11.6	20.4
5 21	13 30.82	−11 49.5	1.143	2.057	16.3	20.7

195438 2002 GR_{69} 4 19.9 257°.29 2°.1/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.99	− 9 57.9	2.100	2.906	13.5	20.1
3 22	14 10.74	− 8 54.9	2.000	2.893	10.6	19.9
4 1	14 5.41	− 7 39.7	1.924	2.879	7.1	19.6
4 11	13 58.53	− 6 16.7	1.874	2.866	3.5	19.4
4 21	13 50.83	− 4 52.0	1.852	2.852	2.5	19.3
5 1	13 43.15	− 3 32.5	1.859	2.838	5.9	19.5
5 11	13 36.39	− 2 24.8	1.892	2.824	9.7	19.7
5 21	13 31.19	− 1 33.2	1.950	2.809	13.1	19.9

6175 Cori 4 19.9 159°.55 0°.0/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.51	−13 24.6	3.031	3.805	10.5	18.7
3 22	14 10.34	−13 3.6	2.939	3.811	8.2	18.5
4 1	14 4.71	−12 34.7	2.871	3.817	5.6	18.4
4 11	13 58.05	−11 59.7	2.832	3.822	2.7	18.2
4 21	13 50.91	−11 21.3	2.822	3.826	0.3	17.9
5 1	13 43.86	−10 42.6	2.842	3.831	3.4	18.2
5 11	13 37.49	−10 7.1	2.891	3.835	6.2	18.4
5 21	13 32.26	− 9 37.6	2.967	3.838	8.8	18.6

206575 2003 VT_5 4 19.9 275°.24 1°.5/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 16.90	− 8 49.1	2.050	2.854	13.9	20.3
3 22	14 13.12	− 8 30.5	1.949	2.839	10.9	20.1
4 1	14 7.11	− 8 3.8	1.870	2.824	7.4	19.9
4 11	13 59.40	− 7 32.0	1.817	2.809	3.6	19.6
4 21	13 50.73	− 6 58.9	1.792	2.794	1.8	19.4
5 1	13 42.04	− 6 29.4	1.794	2.779	5.5	19.6
5 11	13 34.28	− 6 7.9	1.824	2.764	9.4	19.8
5 21	13 28.19	− 5 57.7	1.877	2.749	13.0	20.0

134361 1994 RF 4 19.9 111°.40 0°.2/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.78	−15 5.3	2.235	3.017	13.6	20.5
3 22	14 12.58	−14 35.6	2.157	3.033	10.7	20.4
4 1	14 6.43	−13 54.0	2.102	3.048	7.3	20.2
4 11	13 58.93	−13 3.1	2.074	3.064	3.6	20.0
4 21	13 50.81	−12 6.8	2.074	3.078	0.4	19.7
5 1	13 42.93	−11 10.3	2.103	3.093	4.2	20.0
5 11	13 36.06	−10 18.6	2.159	3.107	7.7	20.3
5 21	13 30.76	− 9 35.9	2.242	3.121	10.9	20.5

171888 2001 RJ_{20} 4 19.9 180°.11 1°.5/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.11	−18 11.0	2.537	3.302	12.6	21.1
3 22	14 12.01	−18 4.9	2.441	3.303	10.1	20.9
4 1	14 6.07	−17 47.2	2.367	3.303	7.2	20.7
4 11	13 58.79	−17 18.8	2.320	3.303	4.0	20.5
4 21	13 50.83	−16 41.9	2.301	3.303	1.5	20.3
5 1	13 42.95	−16 0.2	2.311	3.303	3.7	20.5
5 11	13 35.90	−15 18.1	2.349	3.302	6.9	20.7
5 21	13 30.26	−14 39.7	2.414	3.301	9.9	20.9

324403 2006 SM_{151} 4 19.9 165°.78 1°.3/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.29	−16 41.2	1.865	2.648	15.8	22.2
3 22	14 15.16	−16 34.4	1.777	2.651	12.7	22.0
4 1	14 8.55	−16 13.4	1.710	2.654	8.9	21.8
4 11	14 0.08	−15 39.4	1.668	2.656	4.7	21.5
4 21	13 50.67	−14 55.8	1.653	2.657	1.3	21.3
5 1	13 41.39	−14 7.5	1.667	2.659	4.8	21.5
5 11	13 33.29	−13 20.9	1.706	2.660	9.0	21.8
5 21	13 27.16	−12 41.5	1.770	2.661	12.7	22.0

385584 2004 XZ_{48} 4 19.9 128°.28 1°.3/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.43	−17 45.0	2.307	3.077	13.6	21.9
3 22	14 13.11	−17 29.7	2.224	3.089	10.8	21.8
4 1	14 6.82	−17 1.6	2.162	3.101	7.6	21.6
4 11	13 59.13	−16 22.3	2.127	3.112	4.1	21.4
4 21	13 50.79	−15 34.7	2.120	3.123	1.3	21.2
5 1	13 42.64	−14 43.3	2.142	3.133	3.9	21.4
5 11	13 35.47	−13 53.3	2.192	3.144	7.4	21.6
5 21	13 29.87	−13 9.2	2.268	3.153	10.5	21.8

213538 2002 JJ_{63} 4 19.9 355°.94 1°.8/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 11.48	−19 46.1	1.266	2.082	20.1	20.0
3 22	14 10.15	−19 17.3	1.187	2.079	16.3	19.7
4 1	14 5.72	−18 22.7	1.126	2.077	11.6	19.5
4 11	13 58.89	−17 4.2	1.087	2.075	6.3	19.2
4 21	13 50.81	−15 28.1	1.070	2.074	1.8	18.9
5 1	13 42.91	−13 45.0	1.079	2.074	6.0	19.1
5 11	13 36.56	−12 7.2	1.110	2.075	11.3	19.4
5 21	13 32.71	−10 44.9	1.163	2.077	16.1	19.7

431079 2006 DO_{23} 4 19.9 206°.54 3°.2/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.43	− 5 17.7	2.067	2.880	13.5	21.4
3 22	14 11.77	− 4 24.9	1.982	2.878	10.5	21.1
4 1	14 6.04	− 3 25.1	1.920	2.876	7.1	20.9
4 11	13 58.81	− 2 23.2	1.885	2.873	4.0	20.7
4 21	13 50.83	− 1 25.1	1.877	2.871	3.7	20.7
5 1	13 42.97	− 0 36.4	1.897	2.868	6.6	20.9
5 11	13 36.08	− 0 1.7	1.943	2.865	10.0	21.1
5 21	13 30.81	+ 0 16.6	2.012	2.862	13.2	21.3

192995 2000 DT_{92} 4 19.9 136°.41 0°.9/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.92	−12 26.1	1.601	2.405	17.1	21.8
3 22	14 16.64	−11 51.7	1.526	2.415	13.5	21.6
4 1	14 9.62	−11 3.2	1.471	2.425	9.1	21.4
4 11	14 0.59	−10 4.5	1.441	2.434	4.3	21.1
4 21	13 50.62	− 9 1.6	1.438	2.442	1.3	20.9
5 1	13 40.92	− 8 1.7	1.462	2.450	6.0	21.2
5 11	13 32.67	− 7 11.9	1.512	2.458	10.6	21.5
5 21	13 26.64	− 6 36.9	1.585	2.464	14.5	21.8

147338 2003 BT_{54} 4 19.9 136°.74 5°.3/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 21.73	−29 39.2	2.298	3.004	15.3	21.1
3 22	14 16.73	−29 58.7	2.211	3.019	13.0	21.0
4 1	14 9.43	−29 59.6	2.143	3.032	10.3	20.8
4 11	14 0.44	−29 40.2	2.100	3.045	7.5	20.7
4 21	13 50.64	−29 1.2	2.083	3.058	5.6	20.6
5 1	13 41.03	−28 5.6	2.094	3.069	5.8	20.6
5 11	13 32.58	−26 59.6	2.133	3.080	7.9	20.7
5 21	13 25.97	−25 50.0	2.198	3.090	10.5	20.9

54570 2000 QB_{154} 4 19.9 295°.64 0°.8/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 12.48	−13 7.5	2.234	3.030	13.1	19.0
3 22	14 9.36	−12 15.1	2.142	3.029	10.3	18.8
4 1	14 4.35	−11 10.3	2.074	3.027	6.9	18.6
4 11	13 57.99	− 9 56.6	2.033	3.025	3.2	18.4
4 21	13 50.95	− 8 39.2	2.020	3.023	1.1	18.2
5 1	13 44.02	− 7 23.9	2.035	3.022	4.7	18.5
5 11	13 37.98	− 6 16.8	2.078	3.020	8.4	18.7
5 21	13 33.40	− 5 22.3	2.146	3.018	11.6	18.9

196747 2003 SY_{143} 4 19.9 225°.16 1°.5/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.76	−18 13.6	2.354	3.121	13.4	20.9
3 22	14 12.75	−18 4.6	2.250	3.113	10.8	20.7
4 1	14 6.72	−17 42.6	2.168	3.105	7.7	20.5
4 11	13 59.17	−17 8.7	2.112	3.096	4.3	20.3
4 21	13 50.80	−16 25.3	2.084	3.087	1.5	20.0
5 1	13 42.45	−15 36.3	2.085	3.077	4.0	20.2
5 11	13 34.97	−14 46.9	2.115	3.067	7.5	20.4
5 21	13 29.02	−14 1.9	2.169	3.057	10.8	20.6

501529 2014 FA_8 4 19.9 95°.49 3°.4/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.86	− 3 40.9	2.507	3.315	11.5	21.6
3 22	14 9.98	− 2 32.7	2.442	3.335	8.9	21.5
4 1	14 4.51	− 1 20.3	2.402	3.355	6.1	21.3
4 11	13 57.96	− 0 8.7	2.389	3.374	3.8	21.2
4 21	13 50.96	+ 0 57.0	2.406	3.393	3.8	21.2
5 1	13 44.19	+ 1 52.2	2.451	3.412	6.0	21.4
5 11	13 38.26	+ 2 33.5	2.524	3.430	8.7	21.6
5 21	13 33.65	+ 2 59.3	2.620	3.448	11.1	21.8

208604 2002 CG_{211} 4 19.9 79°.40 0°.5/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 23.53	−14 40.0	1.474	2.273	18.6	20.9
3 22	14 18.66	−14 27.7	1.417	2.301	14.6	20.7
4 1	14 10.91	−14 0.4	1.380	2.329	10.0	20.5
4 11	14 1.14	−13 20.9	1.366	2.357	4.9	20.3
4 21	13 50.58	−12 34.2	1.379	2.384	0.6	20.0
5 1	13 40.57	−11 46.8	1.419	2.411	5.5	20.4
5 11	13 32.27	−11 5.8	1.484	2.437	10.1	20.7
5 21	13 26.40	−10 36.0	1.573	2.463	14.1	21.0

158043 2000 SQ_{121} 4 19.9 201°.67 0°.2/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.94	−11 27.5	2.538	3.314	12.3	20.9
3 22	14 15.75	−11 24.2	2.436	3.310	9.7	20.7
4 1	14 8.63	−11 13.4	2.358	3.304	6.6	20.5
4 11	14 0.05	−10 56.9	2.308	3.298	3.2	20.2
4 21	13 50.71	−10 37.1	2.286	3.291	0.5	20.0
5 1	13 41.39	−10 16.9	2.295	3.283	4.1	20.3
5 11	13 32.90	−10 0.0	2.334	3.275	7.6	20.5
5 21	13 25.87	− 9 49.2	2.398	3.266	10.7	20.6

495973 2007 TC_{13} 4 19.9 268°.24 0°.6/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.44	−13 12.4	1.758	2.556	16.1	22.5
3 22	14 15.79	−12 42.9	1.643	2.528	12.9	22.2
4 1	14 9.39	−11 58.0	1.549	2.500	8.9	21.9
4 11	14 0.71	−11 0.0	1.479	2.471	4.3	21.6
4 21	13 50.60	− 9 53.5	1.436	2.441	1.0	21.3
5 1	13 40.25	− 8 45.3	1.421	2.410	6.0	21.5
5 11	13 30.91	− 7 43.4	1.432	2.378	11.0	21.7
5 21	13 23.60	− 6 54.5	1.466	2.346	15.5	21.9

106078 2000 SK_{347} 4 19.9 239°.48 6°.3/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.75	−34 8.7	2.876	3.544	13.2	20.1
3 22	14 14.31	−34 46.8	2.760	3.531	11.6	20.0
4 1	14 7.83	−35 9.2	2.664	3.518	9.7	19.8
4 11	13 59.75	−35 13.3	2.591	3.504	7.8	19.6
4 21	13 50.74	−34 58.1	2.544	3.490	6.5	19.5
5 1	13 41.65	−34 24.6	2.524	3.476	6.4	19.5
5 11	13 33.34	−33 36.5	2.531	3.461	7.7	19.6
5 21	13 26.51	−32 39.0	2.565	3.446	9.6	19.7

94423 2001 TR_{37} 4 19.9 103°.77 1°.5/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 21.28	−16 21.3	1.511	2.307	18.3	19.7
3 22	14 17.24	−16 26.1	1.435	2.316	14.7	19.4
4 1	14 10.23	−16 15.0	1.378	2.325	10.3	19.2
4 11	14 0.98	−15 49.4	1.345	2.333	5.5	18.9
4 21	13 50.61	−15 12.5	1.337	2.341	1.5	18.7
5 1	13 40.49	−14 30.2	1.356	2.349	5.5	19.0
5 11	13 31.89	−13 49.5	1.400	2.357	10.2	19.2
5 21	13 25.70	−13 16.7	1.467	2.365	14.4	19.5

324396 2006 SR_{53} 4 19.9 161°.36 2°.2/22.0 16 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.08	−21 36.9	2.020	2.782	15.5	21.5
3 22	14 14.03	−21 7.4	1.930	2.788	12.5	21.3
4 1	14 7.67	−20 19.2	1.860	2.793	9.1	21.1
4 11	13 59.64	−19 13.6	1.816	2.797	5.2	20.9
4 21	13 50.78	−17 54.4	1.799	2.801	2.2	20.7
5 1	13 42.12	−16 27.9	1.812	2.804	4.4	20.8
5 11	13 34.60	−15 1.9	1.852	2.807	8.3	21.1
5 21	13 28.91	−13 43.4	1.917	2.809	11.8	21.3

403908 2011 YO_{44} 4 19.9 144°.24 0°.4/19.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 20.20	−13 12.8	1.913	2.703	15.2	22.7
3 22	14 15.64	−12 41.1	1.833	2.714	12.0	22.5
4 1	14 8.73	−11 56.8	1.774	2.724	8.1	22.3
4 11	14 0.13	−11 3.0	1.742	2.733	3.9	22.0
4 21	13 50.73	−10 4.6	1.738	2.742	0.8	21.8
5 1	13 41.56	− 9 7.5	1.762	2.750	5.1	22.2
5 11	13 33.60	− 8 17.8	1.813	2.758	9.2	22.4
5 21	13 27.53	− 7 39.8	1.889	2.764	12.8	22.6

19585 Zachopkins 4 19.9 305°.61 0°.4/20.3 18

3 12	14 13.22	−14 55.9	2.098	2.892	13.9	18.8
3 22	14 10.28	−14 37.1	1.991	2.873	11.1	18.6
4 1	14 5.22	−14 5.4	1.907	2.855	7.7	18.3
4 11	13 58.53	−13 22.9	1.847	2.837	3.9	18.1
4 21	13 50.91	−12 32.9	1.815	2.820	0.5	17.7
5 1	13 43.27	−11 40.3	1.811	2.802	4.5	18.0
5 11	13 36.49	−10 51.0	1.833	2.785	8.5	18.2
5 21	13 31.31	−10 10.0	1.879	2.768	12.2	18.4

504355 2007 TW_{428} 4 19.9 158°.68 0°.4/20.3 17

3 12	14 16.13	−14 42.7	2.381	3.161	12.9	22.6
3 22	14 12.09	−14 27.6	2.290	3.165	10.2	22.5
4 1	14 6.16	−14 2.0	2.223	3.168	7.0	22.3
4 11	13 58.87	−13 27.7	2.181	3.171	3.5	22.0
4 21	13 50.89	−12 47.8	2.169	3.173	0.5	21.8
5 1	13 43.03	−12 6.3	2.185	3.176	4.0	22.1
5 11	13 36.05	−11 27.7	2.229	3.178	7.5	22.3
5 21	13 30.54	−10 55.8	2.298	3.180	10.6	22.5

504214 2006 UD_{57} 4 19.9 138°.01 5°.3/25.2 18

3 12	14 20.16	−29 14.7	2.594	3.296	13.8	21.6
3 22	14 15.38	−29 55.7	2.500	3.303	11.8	21.4
4 1	14 8.50	−30 21.6	2.426	3.310	9.4	21.2
4 11	14 0.05	−30 30.4	2.377	3.316	7.1	21.1
4 21	13 50.76	−30 21.9	2.354	3.323	5.5	21.0
5 1	13 41.53	−29 57.5	2.360	3.329	5.7	21.0
5 11	13 33.21	−29 21.6	2.393	3.334	7.4	21.1
5 21	13 26.50	−28 39.2	2.452	3.340	9.8	21.3

497493 2006 AO_{32} 4 19.9 153°.12 2°.2/22.2 17

3 12	14 18.41	−21 1.1	2.396	3.148	13.6	23.0
3 22	14 13.90	−20 51.2	2.306	3.157	11.0	22.8
4 1	14 7.39	−20 26.9	2.237	3.165	8.0	22.6
4 11	13 59.47	−19 49.0	2.194	3.172	4.7	22.4
4 21	13 50.84	−18 59.9	2.180	3.179	2.3	22.3
5 1	13 42.37	−18 3.8	2.194	3.185	4.0	22.4
5 11	13 34.86	−17 6.0	2.238	3.191	7.2	22.6
5 21	13 28.91	−16 11.8	2.307	3.196	10.2	22.8

11852 Shoumen 4 19.9 189°.07 6°.5/24.4 18

3 12	14 29.72	−28 27.9	2.239	2.938	15.8	18.0
3 22	14 23.47	−29 37.1	2.136	2.938	13.6	17.8
4 1	14 14.41	−30 31.8	2.053	2.936	10.9	17.6
4 11	14 3.08	−31 7.9	1.995	2.934	8.3	17.4
4 21	13 50.39	−31 22.6	1.965	2.931	6.6	17.3
5 1	13 37.55	−31 16.2	1.962	2.927	7.0	17.3
5 11	13 25.81	−30 53.0	1.988	2.922	9.2	17.4
5 21	13 16.17	−30 19.2	2.040	2.917	11.9	17.6

441072 2007 RX_{64} 4 19.9 184°.84 0°.4/20.6 18

3 12	14 10.74	−15 8.4	4.324	5.086	7.8	22.9
3 22	14 7.04	−14 53.9	4.222	5.085	6.2	22.7
4 1	14 2.33	−14 33.3	4.145	5.084	4.2	22.6
4 11	13 56.92	−14 7.7	4.096	5.083	2.2	22.4
4 21	13 51.16	−13 38.8	4.077	5.082	0.4	22.3
5 1	13 45.45	−13 8.5	4.090	5.080	2.3	22.4
5 11	13 40.17	−12 39.2	4.132	5.078	4.4	22.6
5 21	13 35.65	−12 12.8	4.202	5.076	6.3	22.7

520020 2013 UL_{21} 4 19.9 173°.85 0°.1/20.0 17

3 12	14 19.28	−12 34.8	2.120	2.907	14.0	22.1
3 22	14 14.82	−12 33.9	2.030	2.909	11.1	21.9
4 1	14 8.18	−12 23.7	1.962	2.910	7.6	21.7
4 11	13 59.91	−12 6.0	1.920	2.910	3.7	21.5
4 21	13 50.80	−11 43.6	1.906	2.911	0.4	21.2
5 1	13 41.79	−11 20.2	1.921	2.911	4.5	21.5
5 11	13 33.79	−11 0.0	1.963	2.911	8.4	21.8
5 21	13 27.49	−10 46.6	2.030	2.911	11.8	22.0

437687 2014 DK_{9} 4 19.9 28°.06 4°.1/15.8 17

3 12	14 12.86	− 2 54.0	2.042	2.864	13.3	21.0
3 22	14 9.75	− 1 49.5	1.967	2.867	10.3	20.8
4 1	14 4.67	− 0 39.7	1.915	2.870	7.2	20.6
4 11	13 58.18	+ 0 29.3	1.889	2.874	4.6	20.5
4 21	13 51.03	+ 1 31.5	1.891	2.878	4.6	20.5
5 1	13 44.05	+ 2 20.9	1.920	2.882	7.3	20.6
5 11	13 38.03	+ 2 53.7	1.974	2.886	10.4	20.8
5 21	13 33.57	+ 3 8.1	2.051	2.891	13.3	21.0

119590 2001 VS_{117} 4 19.9 275°.00 5°.9/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 21.75	+ 2 52.1	1.889	2.701	14.6	19.0
3 22	14 17.19	+ 3 26.3	1.789	2.679	11.7	18.7
4 1	14 10.08	+ 4 0.5	1.711	2.657	8.7	18.5
4 11	14 0.96	+ 4 28.7	1.658	2.634	6.2	18.3
4 21	13 50.68	+ 4 44.9	1.632	2.611	6.3	18.2
5 1	13 40.32	+ 4 44.2	1.633	2.587	9.0	18.3
5 11	13 30.99	+ 4 23.9	1.660	2.564	12.5	18.5
5 21	13 23.55	+ 3 43.9	1.708	2.540	15.9	18.7

281547 2008 UK_{31} 4 19.9 118°.16 0°.9/19.1 17

3 12	14 15.23	−11 47.1	2.049	2.849	14.0	21.1
3 22	14 11.66	−11 10.7	1.965	2.852	11.0	20.9
4 1	14 6.01	−10 23.3	1.903	2.856	7.4	20.7
4 11	13 58.85	− 9 28.3	1.867	2.860	3.5	20.5
4 21	13 50.95	− 8 30.4	1.859	2.863	1.2	20.3
5 1	13 43.20	− 7 35.2	1.880	2.866	5.0	20.6
5 11	13 36.47	− 6 48.2	1.927	2.870	8.8	20.8
5 21	13 31.38	− 6 13.3	1.998	2.873	12.2	21.0

333132 2011 WR_{98} 4 19.9 68°.95 1°.4/18.9 18

3 12	14 19.71	−10 30.9	1.421	2.239	18.2	21.7
3 22	14 15.93	−10 6.0	1.357	2.254	14.2	21.4
4 1	14 9.25	− 9 28.9	1.313	2.269	9.6	21.2
4 11	14 0.47	− 8 44.0	1.292	2.285	4.5	20.9
4 21	13 50.76	− 7 57.4	1.297	2.300	1.8	20.8
5 1	13 41.44	− 7 15.8	1.328	2.316	6.5	21.1
5 11	13 33.70	− 6 45.6	1.383	2.331	11.1	21.4
5 21	13 28.33	− 6 30.3	1.460	2.346	15.2	21.7

249468 2009 JG_{3} 4 19.9 18°.39 7°.5/12.8 18

3 12	14 16.90	+10 37.4	2.219	3.029	12.7	20.0
3 22	14 12.70	+11 30.5	2.151	3.031	10.5	19.8
4 1	14 6.57	+12 17.7	2.107	3.032	8.6	19.7
4 11	13 59.07	+12 52.7	2.088	3.033	7.5	19.7
4 21	13 50.94	+13 10.5	2.095	3.035	8.1	19.7
5 1	13 43.01	+13 7.7	2.127	3.037	9.8	19.8
5 11	13 36.07	+12 43.6	2.184	3.039	12.0	19.9
5 21	13 30.69	+11 59.7	2.262	3.041	14.2	20.1

276547 2003 ST_{101} 4 19.9 302°.16 6°.0/25.3 18

3 12	14 14.84	−29 21.6	1.871	2.610	17.3	19.8
3 22	14 12.15	−29 37.3	1.767	2.596	14.8	19.5
4 1	14 6.83	−29 30.7	1.681	2.583	11.8	19.3
4 11	13 59.45	−28 59.2	1.617	2.570	8.7	19.1
4 21	13 50.88	−28 3.1	1.577	2.558	6.3	18.9
5 1	13 42.28	−26 46.0	1.563	2.545	6.5	18.9
5 11	13 34.84	−25 15.8	1.575	2.533	9.2	19.0
5 21	13 29.44	−23 41.9	1.611	2.521	12.7	19.2

26428 1999 XR_{169} 4 19.9 80°.67 7°.0/25.9 18

3 12	14 19.18	−30 41.1	1.672	2.405	19.2	17.8
3 22	14 15.70	−31 9.8	1.592	2.415	16.4	17.6
4 1	14 9.25	−31 13.8	1.529	2.425	13.2	17.4
4 11	14 0.57	−30 50.2	1.488	2.435	9.8	17.2
4 21	13 50.76	−29 59.2	1.470	2.445	7.4	17.1
5 1	13 41.18	−28 45.4	1.478	2.455	7.4	17.1
5 11	13 33.13	−27 17.7	1.511	2.465	9.8	17.3
5 21	13 27.46	−25 46.4	1.568	2.475	13.1	17.5

469810 2005 SO_{94} 4 19.9 224°.24 4°.5/25.6 18

3 12	14 15.95	−30 33.0	3.058	3.750	12.1	22.1
3 22	14 11.83	−30 39.1	2.942	3.739	10.3	22.0
4 1	14 5.97	−30 30.0	2.848	3.729	8.3	21.8
4 11	13 58.82	−30 4.6	2.778	3.717	6.2	21.7
4 21	13 50.97	−29 23.3	2.735	3.706	4.7	21.5
5 1	13 43.14	−28 28.5	2.721	3.693	4.8	21.5
5 11	13 36.03	−27 24.3	2.736	3.681	6.4	21.6
5 21	13 30.20	−26 15.8	2.777	3.668	8.6	21.7

304343 2006 SF_{262} 4 19.9 285°.88 0°.8/19.0 17

3 12	14 12.51	−12 54.9	2.213	3.011	13.2	20.5
3 22	14 9.50	−12 6.1	2.114	3.001	10.4	20.3
4 1	14 4.56	−11 4.6	2.038	2.990	7.0	20.0
4 11	13 58.18	− 9 53.8	1.988	2.980	3.3	19.8
4 21	13 51.05	− 8 38.7	1.966	2.970	1.2	19.6
5 1	13 43.97	− 7 25.3	1.974	2.960	4.8	19.8
5 11	13 37.75	− 6 19.6	2.008	2.950	8.6	20.1
5 21	13 33.00	− 5 26.2	2.067	2.940	11.9	20.2

256688 2007 YF_{63} 4 19.9 225°.21 8°.6/12.4 17

3 12	14 18.83	+ 8 11.6	1.782	2.603	14.9	20.8
3 22	14 14.81	+ 9 35.1	1.709	2.598	12.3	20.6
4 1	14 8.33	+10 55.8	1.659	2.592	9.9	20.4
4 11	14 0.04	+12 4.6	1.633	2.586	8.6	20.3
4 21	13 50.83	+12 53.5	1.632	2.579	9.4	20.3
5 1	13 41.79	+13 16.5	1.656	2.572	11.7	20.5
5 11	13 33.95	+13 11.7	1.703	2.565	14.5	20.6
5 21	13 28.04	+12 40.5	1.770	2.558	17.2	20.8

26453 2000 AH_{89} 4 19.9 174°.35 2°.4/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 19.87	− 9 10.4	1.575	2.389	16.9	18.8
3 22	14 15.96	− 8 22.1	1.495	2.391	13.2	18.5
4 1	14 9.29	− 7 21.4	1.436	2.392	8.9	18.3
4 11	14 0.55	− 6 13.5	1.401	2.394	4.4	18.0
4 21	13 50.77	− 5 5.5	1.394	2.394	2.9	17.9
5 1	13 41.19	− 4 5.1	1.413	2.394	7.0	18.2
5 11	13 32.99	− 3 19.4	1.457	2.394	11.5	18.4
5 21	13 26.98	− 2 52.1	1.523	2.393	15.5	18.7

198282 2004 TR_{295} 4 19.9 234°.70 0°.2/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.89	−12 56.8	2.294	3.079	13.2	21.5
3 22	14 13.69	−12 39.4	2.189	3.066	10.4	21.3
4 1	14 7.43	−12 11.8	2.106	3.054	7.2	21.1
4 11	13 59.59	−11 35.9	2.050	3.040	3.5	20.8
4 21	13 50.89	−10 55.0	2.022	3.026	0.5	20.5
5 1	13 42.18	−10 13.4	2.023	3.012	4.5	20.8
5 11	13 34.32	− 9 35.9	2.052	2.997	8.2	21.0
5 21	13 27.99	− 9 6.4	2.106	2.982	11.6	21.2

417756 2007 DO_{47} 4 19.9 209°.87 4°.1/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.90	+ 8 41.2	4.506	5.310	6.8	20.9
3 22	14 4.05	+ 9 44.3	4.431	5.309	5.6	20.8
4 1	14 0.31	+10 45.5	4.383	5.307	4.5	20.7
4 11	13 55.97	+11 41.4	4.364	5.306	4.1	20.7
4 21	13 51.34	+12 29.5	4.373	5.305	4.5	20.7
5 1	13 46.76	+13 7.5	4.410	5.303	5.5	20.8
5 11	13 42.56	+13 33.9	4.473	5.302	6.8	20.9
5 21	13 39.03	+13 48.4	4.559	5.300	8.0	21.0

391249 2006 QD_{84} 4 19.9 117°.70 3°.4/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.39	− 3 10.8	2.438	3.247	11.8	21.5
3 22	14 10.54	− 2 13.1	2.365	3.258	9.1	21.3
4 1	14 5.01	− 1 11.3	2.316	3.269	6.3	21.2
4 11	13 58.30	− 0 10.2	2.294	3.279	3.9	21.0
4 21	13 51.07	+ 0 45.3	2.301	3.289	3.8	21.1
5 1	13 44.01	+ 1 30.7	2.337	3.299	6.2	21.2
5 11	13 37.81	+ 2 2.6	2.399	3.309	8.9	21.4
5 21	13 32.96	+ 2 19.4	2.485	3.318	11.5	21.6

381513 2008 SB_{173} 4 19.9 142°.56 0°.6/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.33	−12 53.4	2.078	2.874	14.0	21.6
3 22	14 11.74	−12 17.4	1.992	2.877	11.0	21.4
4 1	14 6.07	−11 29.4	1.928	2.880	7.4	21.2
4 11	13 58.90	−10 32.9	1.891	2.883	3.5	20.9
4 21	13 50.99	− 9 32.3	1.881	2.885	0.9	20.7
5 1	13 43.22	− 8 33.4	1.900	2.888	4.8	21.0
5 11	13 36.46	− 7 41.7	1.945	2.890	8.6	21.2
5 21	13 31.32	− 7 1.5	2.015	2.892	12.0	21.5

109601 2001 QM_{282} 4 19.9 166°.88 2°.0/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.31	− 7 30.3	2.579	3.369	11.7	20.6
3 22	14 13.54	− 6 47.4	2.492	3.375	9.1	20.4
4 1	14 7.03	− 5 57.9	2.430	3.381	6.1	20.3
4 11	13 59.29	− 5 5.3	2.396	3.386	3.1	20.1
4 21	13 50.95	− 4 13.9	2.392	3.390	2.3	20.0
5 1	13 42.77	− 3 27.9	2.417	3.393	5.0	20.2
5 11	13 35.42	− 2 51.3	2.471	3.396	8.0	20.4
5 21	13 29.44	− 2 26.3	2.551	3.398	10.8	20.6

272845 2006 BR_{29} 4 19.9 72°.01 0°.7/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.15	−15 8.6	1.812	2.605	15.9	20.9
3 22	14 14.20	−15 1.1	1.738	2.619	12.6	20.7
4 1	14 7.85	−14 40.5	1.685	2.633	8.7	20.5
4 11	13 59.78	−14 8.9	1.657	2.647	4.4	20.3
4 21	13 50.90	−13 30.0	1.656	2.661	0.8	20.1
5 1	13 42.27	−12 48.8	1.682	2.674	4.7	20.4
5 11	13 34.89	−12 11.1	1.735	2.688	8.8	20.6
5 21	13 29.45	−11 41.6	1.811	2.702	12.5	20.9

313717 2003 UA_{120} 4 19.9 256°.36 1°.4/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.68	−15 54.8	1.754	2.542	16.5	21.4
3 22	14 16.73	−16 1.0	1.650	2.526	13.3	21.2
4 1	14 10.01	−15 53.7	1.566	2.510	9.5	20.9
4 11	14 1.03	−15 33.4	1.507	2.494	5.0	20.6
4 21	13 50.73	−15 2.5	1.474	2.478	1.4	20.3
5 1	13 40.29	−14 25.3	1.468	2.460	5.2	20.5
5 11	13 30.98	−13 48.2	1.488	2.443	9.9	20.7
5 21	13 23.78	−13 17.1	1.532	2.425	14.2	21.0

236437 2006 DJ_{166} 4 19.9 279°.03 3°.7/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.89	− 4 26.5	1.970	2.787	13.8	20.7
3 22	14 11.63	− 3 31.7	1.873	2.772	10.9	20.5
4 1	14 6.17	− 2 29.4	1.800	2.756	7.5	20.2
4 11	13 59.03	− 1 24.9	1.753	2.740	4.4	20.0
4 21	13 50.98	− 0 24.4	1.732	2.725	4.2	19.9
5 1	13 42.94	+ 0 25.8	1.739	2.709	7.3	20.1
5 11	13 35.84	+ 1 0.4	1.772	2.693	10.9	20.3
5 21	13 30.40	+ 1 16.9	1.827	2.677	14.3	20.5

178092 2006 SD_{213} 4 19.9 165°.96 4°.1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 13.22	+ 1 3.4	3.060	3.864	9.7	21.0
3 22	14 9.31	+ 2 22.1	2.982	3.870	7.6	20.9
4 1	14 4.03	+ 3 42.7	2.930	3.874	5.6	20.7
4 11	13 57.81	+ 5 0.4	2.907	3.878	4.2	20.6
4 21	13 51.14	+ 6 10.5	2.914	3.882	4.6	20.7
5 1	13 44.59	+ 7 8.9	2.950	3.885	6.4	20.8
5 11	13 38.68	+ 7 52.8	3.014	3.888	8.5	20.9
5 21	13 33.84	+ 8 21.0	3.101	3.890	10.5	21.1

94719 2001 XA_{62} 4 19.9 182°.85 4°.0/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.82	− 3 56.2	1.735	2.549	15.6	20.4
3 22	14 16.43	− 3 7.9	1.654	2.550	12.2	20.2
4 1	14 9.47	− 2 13.1	1.596	2.550	8.4	19.9
4 11	14 0.62	− 1 17.6	1.563	2.550	4.9	19.7
4 21	13 50.81	− 0 27.9	1.556	2.549	4.5	19.7
5 1	13 41.17	+ 0 9.5	1.578	2.548	7.8	19.9
5 11	13 32.79	+ 0 30.1	1.624	2.546	11.6	20.1
5 21	13 26.44	+ 0 32.1	1.693	2.543	15.2	20.3

303730 2005 QO_{50} 4 19.9 188°.09 1°.0/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.59	− 9 38.2	3.054	3.839	10.2	21.8
3 22	14 10.45	− 9 12.9	2.959	3.839	8.0	21.6
4 1	14 4.86	− 8 41.4	2.887	3.837	5.3	21.5
4 11	13 58.24	− 8 6.2	2.844	3.836	2.5	21.3
4 21	13 51.10	− 7 30.0	2.831	3.833	1.2	21.1
5 1	13 44.03	− 6 56.0	2.847	3.831	3.8	21.3
5 11	13 37.60	− 6 27.3	2.893	3.828	6.6	21.5
5 21	13 32.27	− 6 6.3	2.964	3.824	9.1	21.7

118759 2000 QR_{213} 4 19.9 270°.09 1°.2/18.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.89	− 9 58.9	2.418	3.213	12.3	21.1
3 22	14 11.25	− 9 30.5	2.309	3.195	9.6	20.9
4 1	14 5.73	− 8 53.5	2.224	3.176	6.5	20.6
4 11	13 58.78	− 8 10.7	2.165	3.157	3.1	20.4
4 21	13 51.03	− 7 25.7	2.135	3.137	1.5	20.2
5 1	13 43.25	− 6 43.1	2.133	3.118	4.8	20.4
5 11	13 36.22	− 6 7.2	2.160	3.098	8.3	20.6
5 21	13 30.57	− 5 41.5	2.211	3.078	11.5	20.8

426828 2013 UQ_{14} 4 19.9 160°.05 2°.1/18.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.38	− 8 35.1	2.077	2.881	13.7	21.5
3 22	14 12.52	− 7 50.9	1.993	2.884	10.7	21.3
4 1	14 6.59	− 6 57.8	1.933	2.887	7.2	21.1
4 11	13 59.16	− 6 0.0	1.898	2.890	3.6	20.8
4 21	13 51.00	− 5 2.6	1.892	2.892	2.4	20.8
5 1	13 42.99	− 4 11.3	1.914	2.894	5.7	21.0
5 11	13 35.98	− 3 30.8	1.963	2.896	9.3	21.2
5 21	13 30.61	− 3 4.5	2.036	2.898	12.5	21.4

106522 2000 WM_{53} 4 19.9 42°.71 1°.4/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.33	−17 26.5	1.266	2.081	20.1	20.1
3 22	14 13.75	−17 10.9	1.203	2.095	16.1	19.9
4 1	14 8.02	−16 34.6	1.158	2.110	11.2	19.6
4 11	13 59.99	−15 40.1	1.135	2.125	5.9	19.4
4 21	13 50.90	−14 33.4	1.136	2.140	1.4	19.1
5 1	13 42.21	−13 23.2	1.162	2.156	5.8	19.5
5 11	13 35.24	−12 19.2	1.211	2.173	10.9	19.8
5 21	13 30.81	−11 28.7	1.282	2.190	15.3	20.1

224531 2005 WF_{105} 4 19.9 48°.96 6°.3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.58	− 0 37.5	1.646	2.481	15.3	19.6
3 22	14 10.74	+ 1 4.3	1.583	2.489	12.0	19.4
4 1	14 5.55	+ 2 51.4	1.542	2.497	8.7	19.2
4 11	13 58.69	+ 4 34.4	1.527	2.505	6.4	19.1
4 21	13 51.06	+ 6 3.8	1.538	2.513	7.1	19.2
5 1	13 43.71	+ 7 11.8	1.575	2.522	9.9	19.3
5 11	13 37.58	+ 7 53.8	1.635	2.531	13.2	19.6
5 21	13 33.32	+ 8 9.2	1.715	2.540	16.2	19.8

437693 2014 DN_{29} 4 19.9 326°.60 5°.0/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.12	− 1 2.2	1.937	2.765	13.6	20.7
3 22	14 9.42	+ 0 5.5	1.852	2.755	10.7	20.5
4 1	14 4.62	+ 1 18.1	1.790	2.745	7.6	20.3
4 11	13 58.27	+ 2 29.1	1.754	2.736	5.3	20.1
4 21	13 51.11	+ 3 31.7	1.744	2.726	5.6	20.1
5 1	13 44.03	+ 4 19.5	1.761	2.718	8.3	20.3
5 11	13 37.91	+ 4 48.0	1.803	2.709	11.5	20.5
5 21	13 33.40	+ 4 55.8	1.865	2.702	14.6	20.6

176447 2001 XE_{15} 4 19.9 209°.36 5°.7/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.83	+ 7 51.9	2.953	3.756	10.1	21.0
3 22	14 10.68	+ 8 57.6	2.871	3.749	8.2	20.8
4 1	14 5.04	+10 1.2	2.814	3.742	6.5	20.7
4 11	13 58.34	+10 57.7	2.784	3.734	5.7	20.6
4 21	13 51.11	+11 42.6	2.783	3.726	6.2	20.7
5 1	13 43.96	+12 12.4	2.810	3.717	7.8	20.7
5 11	13 37.47	+12 25.3	2.862	3.708	9.7	20.9
5 21	13 32.12	+12 21.0	2.936	3.698	11.6	21.0

215445 2002 ND_{40} 4 19.9 239°.40 2°.1/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 19.02	− 8 27.4	1.987	2.789	14.3	22.1
3 22	14 14.91	− 7 49.8	1.885	2.774	11.3	21.9
4 1	14 8.45	− 7 2.4	1.806	2.759	7.7	21.6
4 11	14 0.18	− 6 9.1	1.752	2.743	3.8	21.4
4 21	13 50.89	− 5 15.0	1.726	2.727	2.5	21.2
5 1	13 41.57	− 4 26.0	1.729	2.710	6.1	21.4
5 11	13 33.24	− 3 47.5	1.759	2.692	10.1	21.6
5 21	13 26.67	− 3 23.5	1.812	2.674	13.8	21.8

506675 2006 SA_{361} 4 19.9 171°.25 1°.3/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.79	− 8 7.5	2.685	3.475	11.3	22.1
3 22	14 12.36	− 7 52.1	2.595	3.478	8.8	22.0
4 1	14 6.25	− 7 31.3	2.529	3.480	5.9	21.8
4 11	13 58.95	− 7 7.5	2.490	3.481	2.9	21.6
4 21	13 51.05	− 6 43.7	2.480	3.482	1.5	21.5
5 1	13 43.24	− 6 22.9	2.501	3.483	4.3	21.7
5 11	13 36.21	− 6 8.3	2.549	3.484	7.4	21.9
5 21	13 30.46	− 6 1.8	2.623	3.485	10.1	22.1

499097 2009 FE_{64} 4 19.9 19°.12 2°.0/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.21	− 9 20.5	1.234	2.071	19.3	21.3
3 22	14 13.75	− 8 58.7	1.167	2.075	15.1	21.1
4 1	14 8.12	− 8 24.5	1.118	2.080	10.2	20.8
4 11	14 0.11	− 7 42.7	1.092	2.086	4.9	20.5
4 21	13 50.91	− 7 0.2	1.089	2.092	2.4	20.4
5 1	13 41.99	− 6 24.5	1.110	2.099	7.3	20.7
5 11	13 34.72	− 6 2.2	1.155	2.107	12.4	21.0
5 21	13 30.01	− 5 57.1	1.219	2.116	16.8	21.3

76279 2000 ET_{116} 4 19.9 151°.66 0°.3/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.85	−12 51.3	2.327	3.115	12.9	19.8
3 22	14 11.92	−12 24.8	2.239	3.119	10.1	19.6
4 1	14 6.09	−11 48.1	2.174	3.123	6.9	19.4
4 11	13 58.90	−11 4.0	2.136	3.127	3.3	19.1
4 21	13 51.05	−10 16.1	2.126	3.131	0.6	18.9
5 1	13 43.33	− 9 28.8	2.146	3.134	4.3	19.2
5 11	13 36.51	− 8 47.0	2.193	3.138	7.8	19.4
5 21	13 31.16	− 8 14.2	2.265	3.140	10.9	19.6

295297 2008 GL_{108} 4 19.9 130°.81 3°.7/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.40	− 5 40.6	1.700	2.522	15.5	20.8
3 22	14 12.99	− 4 41.2	1.623	2.523	12.1	20.6
4 1	14 7.15	− 3 33.0	1.568	2.525	8.2	20.4
4 11	13 59.51	− 2 22.2	1.537	2.527	4.6	20.1
4 21	13 50.98	− 1 16.0	1.534	2.528	4.2	20.1
5 1	13 42.65	− 0 21.7	1.557	2.530	7.6	20.3
5 11	13 35.53	+ 0 15.4	1.605	2.531	11.5	20.5
5 21	13 30.34	+ 0 32.7	1.675	2.533	15.0	20.8

501081 2013 SN_{55} 4 19.9 183°.60 0°.5/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.07	−13 50.4	2.416	3.199	12.6	22.5
3 22	14 12.03	−13 2.7	2.322	3.199	9.9	22.3
4 1	14 6.15	−12 2.9	2.251	3.199	6.7	22.1
4 11	13 58.93	−10 54.4	2.208	3.199	3.2	21.9
4 21	13 51.06	− 9 41.3	2.193	3.197	0.8	21.7
5 1	13 43.30	− 8 29.3	2.209	3.196	4.4	21.9
5 11	13 36.41	− 7 23.8	2.252	3.193	7.8	22.1
5 21	13 30.95	− 6 29.1	2.322	3.191	11.0	22.3

153805 2001 VO_{114} 4 19.9 132°.31 0°.1/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.26	−13 43.1	2.088	2.873	14.3	21.6
3 22	14 14.77	−13 27.1	2.006	2.884	11.3	21.4
4 1	14 8.11	−13 0.1	1.947	2.894	7.7	21.2
4 11	13 59.90	−12 24.3	1.914	2.904	3.8	21.0
4 21	13 50.95	−11 43.2	1.909	2.914	0.4	20.7
5 1	13 42.20	−11 1.6	1.932	2.923	4.5	21.1
5 11	13 34.52	−10 24.5	1.984	2.931	8.3	21.3
5 21	13 28.57	− 9 55.8	2.060	2.939	11.7	21.5

20414 1998 RH_{16} 4 19.9 291°.20 0°.7/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.20	−16 11.1	2.358	3.140	12.9	18.9
3 22	14 10.00	−15 50.4	2.254	3.129	10.3	18.7
4 1	14 4.90	−15 17.5	2.173	3.117	7.2	18.5
4 11	13 58.39	−14 34.0	2.118	3.106	3.7	18.2
4 21	13 51.12	−13 43.1	2.090	3.095	0.7	18.0
5 1	13 43.87	−12 49.1	2.091	3.083	4.0	18.2
5 11	13 37.42	−11 57.4	2.120	3.072	7.6	18.4
5 21	13 32.40	−11 12.4	2.174	3.061	10.8	18.6

255047 2005 TT_{128} 4 19.9 260°.67 0°.1/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.58	−14 44.7	2.459	3.245	12.4	20.9
3 22	14 9.33	−14 5.6	2.363	3.241	9.7	20.8
4 1	14 4.34	−13 14.6	2.289	3.237	6.7	20.6
4 11	13 58.07	−12 14.4	2.242	3.233	3.2	20.3
4 21	13 51.16	−11 9.0	2.224	3.229	0.4	20.1
5 1	13 44.33	−10 3.2	2.235	3.225	4.0	20.4
5 11	13 38.30	− 9 2.4	2.274	3.221	7.5	20.6
5 21	13 33.61	− 8 10.7	2.338	3.216	10.5	20.7

98669 2000 WR_{164} 4 19.9 51°.77 9°.2/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 20.92	+ 6 35.8	1.293	2.131	18.5	19.0
3 22	14 16.97	+ 7 42.3	1.245	2.146	15.0	18.8
4 1	14 9.96	+ 8 43.3	1.217	2.162	11.5	18.6
4 11	14 0.84	+ 9 28.8	1.211	2.178	9.3	18.5
4 21	13 50.85	+ 9 50.6	1.229	2.194	9.8	18.6
5 1	13 41.42	+ 9 43.9	1.269	2.211	12.3	18.8
5 11	13 33.74	+ 9 8.7	1.332	2.227	15.6	19.0
5 21	13 28.57	+ 8 8.6	1.413	2.244	18.7	19.3

9023 Mnesthus 4 19.9 253°.91 3°.8/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.80	+ 7 26.5	4.545	5.349	6.8	17.5
3 22	14 3.98	+ 8 23.2	4.465	5.345	5.5	17.4
4 1	14 0.29	+ 9 18.5	4.411	5.341	4.3	17.3
4 11	13 56.00	+10 9.2	4.387	5.336	3.8	17.3
4 21	13 51.41	+10 52.8	4.391	5.331	4.2	17.3
5 1	13 46.87	+11 27.0	4.423	5.327	5.2	17.4
5 11	13 42.70	+11 50.5	4.481	5.322	6.6	17.5
5 21	13 39.19	+12 2.7	4.563	5.318	7.8	17.6

128358 2004 HS_{4} 4 19.9 249°.61 2°.0/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 22.70	− 8 15.1	1.641	2.449	16.6	20.4
3 22	14 18.45	− 7 56.4	1.540	2.432	13.2	20.1
4 1	14 11.26	− 7 28.1	1.460	2.414	9.1	19.8
4 11	14 1.70	− 6 53.8	1.404	2.396	4.5	19.5
4 21	13 50.72	− 6 18.2	1.375	2.377	2.4	19.3
5 1	13 39.61	− 5 47.5	1.373	2.358	6.8	19.6
5 11	13 29.70	− 5 27.4	1.397	2.337	11.7	19.8
5 21	13 22.00	− 5 21.9	1.443	2.317	16.1	20.0

286131 2001 TD_{163} 4 19.9 146°.43 1°.0/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 21.46	−16 38.3	1.728	2.513	16.8	22.0
3 22	14 17.03	−16 22.6	1.647	2.522	13.4	21.8
4 1	14 9.93	−15 51.1	1.586	2.531	9.4	21.5
4 11	14 0.87	−15 5.7	1.550	2.538	4.8	21.3
4 21	13 50.84	−14 10.4	1.541	2.545	1.0	21.0
5 1	13 41.04	−13 11.4	1.560	2.552	5.0	21.3
5 11	13 32.58	−12 15.9	1.605	2.558	9.5	21.6
5 21	13 26.26	−11 29.9	1.674	2.563	13.4	21.8

265748 2005 VH_{10} 4 19.9 220°.42 3°.1/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.48	− 5 0.5	1.957	2.767	14.2	21.2
3 22	14 14.37	− 4 27.2	1.869	2.763	11.1	21.0
4 1	14 7.99	− 3 47.9	1.804	2.758	7.6	20.7
4 11	13 59.91	− 3 7.1	1.764	2.753	4.2	20.5
4 21	13 50.95	− 2 29.8	1.752	2.748	3.4	20.4
5 1	13 42.09	− 2 1.1	1.768	2.743	6.6	20.6
5 11	13 34.27	− 1 45.1	1.810	2.737	10.3	20.8
5 21	13 28.22	− 1 43.9	1.875	2.732	13.7	21.0

62709 2000 TR_{39} 4 19.9 227°.32 5°.5/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.21	+ 0 35.1	2.018	2.837	13.5	19.9
3 22	14 12.50	+ 1 47.0	1.935	2.831	10.7	19.7
4 1	14 6.66	+ 3 2.5	1.874	2.824	7.8	19.5
4 11	13 59.25	+ 4 14.8	1.840	2.817	5.7	19.3
4 21	13 51.03	+ 5 17.2	1.834	2.809	6.1	19.3
5 1	13 42.92	+ 6 3.4	1.854	2.802	8.6	19.5
5 11	13 35.79	+ 6 29.7	1.899	2.794	11.7	19.6
5 21	13 30.31	+ 6 34.8	1.966	2.785	14.6	19.8

227843 2007 DC_{20} 4 19.9 252°.18 5°.1/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.38	− 0 44.5	2.126	2.940	13.1	21.0
3 22	14 12.65	+ 0 32.2	2.027	2.921	10.3	20.8
4 1	14 6.81	+ 1 54.8	1.952	2.902	7.4	20.6
4 11	13 59.36	+ 3 17.0	1.904	2.882	5.3	20.4
4 21	13 51.02	+ 4 31.7	1.883	2.862	5.7	20.4
5 1	13 42.65	+ 5 32.2	1.891	2.840	8.3	20.5
5 11	13 35.16	+ 6 13.7	1.924	2.819	11.6	20.7
5 21	13 29.24	+ 6 33.9	1.979	2.797	14.6	20.8

430447 2000 SF_{79} 4 19.9 177°.18 2°.7/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.09	− 6 57.7	2.371	3.172	12.3	22.2
3 22	14 12.02	− 5 52.9	2.284	3.174	9.6	22.0
4 1	14 6.12	− 4 40.1	2.222	3.175	6.5	21.8
4 11	13 58.92	− 3 24.0	2.187	3.176	3.5	21.6
4 21	13 51.08	− 2 10.2	2.182	3.177	3.1	21.6
5 1	13 43.38	− 1 4.2	2.206	3.177	5.8	21.8
5 11	13 36.54	− 0 10.8	2.257	3.176	9.0	22.0
5 21	13 31.14	+ 0 27.2	2.333	3.175	11.9	22.2

498737 2008 TZ_{148} 4 19.9 145°.53 0°.7/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.01	−10 54.1	2.084	2.880	14.0	22.1
3 22	14 13.84	−10 39.2	1.998	2.883	11.0	21.9
4 1	14 7.53	−10 15.4	1.935	2.886	7.4	21.7
4 11	13 59.66	− 9 45.3	1.898	2.890	3.5	21.4
4 21	13 51.00	− 9 12.5	1.889	2.893	1.0	21.2
5 1	13 42.47	− 8 41.4	1.908	2.895	4.8	21.5
5 11	13 34.96	− 8 16.4	1.954	2.898	8.6	21.8
5 21	13 29.14	− 8 0.8	2.024	2.901	12.0	22.0

221173 2005 TX_{171} 4 19.9 144°.29 3°.3/23.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 21.85	−23 28.2	2.506	3.237	13.6	22.2
3 22	14 16.56	−23 42.3	2.416	3.250	11.2	22.1
4 1	14 9.24	−23 42.4	2.349	3.262	8.4	21.9
4 11	14 0.44	−23 28.1	2.307	3.274	5.5	21.7
4 21	13 50.92	−23 0.5	2.294	3.285	3.4	21.6
5 1	13 41.54	−22 22.7	2.310	3.296	4.3	21.7
5 11	13 33.15	−21 39.2	2.355	3.305	7.0	21.9
5 21	13 26.36	−20 55.1	2.426	3.314	9.8	22.1

316085 2009 KT_{9} 4 19.9 259°.95 2°.0/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 7.91	− 1 34.7	4.725	5.524	6.6	20.9
3 22	14 4.80	− 1 8.4	4.626	5.513	5.1	20.8
4 1	14 0.84	− 0 40.8	4.554	5.503	3.6	20.6
4 11	13 56.27	− 0 14.1	4.509	5.493	2.2	20.5
4 21	13 51.40	+ 0 9.8	4.495	5.482	2.2	20.5
5 1	13 46.56	+ 0 29.1	4.511	5.471	3.5	20.6
5 11	13 42.07	+ 0 42.3	4.555	5.461	5.1	20.7
5 21	13 38.21	+ 0 48.4	4.625	5.450	6.7	20.8

72547 2001 ET 4 19.9 332°.00 6°.7/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.93	−25 11.8	1.685	2.443	18.2	18.4
3 22	14 16.58	−26 26.6	1.588	2.432	15.5	18.2
4 1	14 10.19	−27 26.2	1.509	2.421	12.3	17.9
4 11	14 1.27	−28 6.6	1.453	2.411	9.0	17.7
4 21	13 50.79	−28 25.1	1.421	2.401	6.9	17.6
5 1	13 40.09	−28 22.0	1.414	2.392	7.5	17.6
5 11	13 30.62	−28 2.3	1.432	2.384	10.5	17.7
5 21	13 23.50	−27 33.1	1.472	2.376	14.0	17.9

368224 2001 TA_{118} 4 19.9 238°.30 7°.1/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.94	−32 50.9	2.203	2.897	16.2	21.2
3 22	14 16.74	−33 28.1	2.091	2.884	14.1	21.0
4 1	14 9.92	−33 45.7	1.998	2.870	11.7	20.8
4 11	14 1.00	−33 40.3	1.927	2.855	9.2	20.6
4 21	13 50.83	−33 10.2	1.880	2.840	7.4	20.5
5 1	13 40.55	−32 17.0	1.861	2.824	7.4	20.4
5 11	13 31.32	−31 6.2	1.867	2.808	9.2	20.5
5 21	13 24.06	−29 45.8	1.899	2.792	11.9	20.6

377407 2004 TA_{63} 4 19.9 202°.02 1°.7/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 22.18	−15 48.3	2.080	2.853	14.7	20.8
3 22	14 17.31	−16 13.9	1.984	2.851	11.9	20.6
4 1	14 10.05	−16 29.6	1.911	2.849	8.4	20.4
4 11	14 0.96	−16 35.3	1.862	2.847	4.6	20.1
4 21	13 50.85	−16 32.3	1.842	2.845	1.7	19.9
5 1	13 40.77	−16 23.1	1.851	2.842	4.5	20.1
5 11	13 31.72	−16 11.8	1.887	2.839	8.3	20.3
5 21	13 24.50	−16 2.6	1.948	2.836	11.9	20.5

153962 2002 AT_{40} 4 19.9 84°.02 0°.9/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.94	−11 54.3	1.836	2.638	15.3	20.2
3 22	14 13.91	−11 21.5	1.768	2.656	12.0	20.0
4 1	14 7.58	−10 37.3	1.721	2.673	8.1	19.8
4 11	13 59.65	− 9 45.5	1.699	2.691	3.8	19.6
4 21	13 51.02	− 8 51.1	1.705	2.709	1.2	19.4
5 1	13 42.69	− 8 0.1	1.738	2.726	5.2	19.7
5 11	13 35.59	− 7 17.9	1.799	2.743	9.2	20.0
5 21	13 30.36	− 6 48.3	1.882	2.760	12.7	20.2

369952 2013 HF_{41} 4 19.9 168°.33 1°.9/21.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 21.36	−17 25.7	1.673	2.458	17.3	21.8
3 22	14 17.19	−17 31.3	1.587	2.461	13.9	21.6
4 1	14 10.22	−17 21.5	1.521	2.463	9.9	21.3
4 11	14 1.10	−16 56.9	1.479	2.464	5.4	21.1
4 21	13 50.85	−16 20.2	1.463	2.466	1.9	20.8
5 1	13 40.71	−15 36.5	1.474	2.466	5.2	21.0
5 11	13 31.93	−14 52.6	1.511	2.467	9.7	21.3
5 21	13 25.36	−14 14.9	1.572	2.467	13.7	21.5

174021 2001 YE_{123} 4 19.9 39°.27 1°.3/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.19	− 8 4.7	1.943	2.749	14.5	19.5
3 22	14 14.02	− 8 4.7	1.871	2.762	11.3	19.3
4 1	14 7.64	− 7 58.7	1.821	2.775	7.6	19.1
4 11	13 59.70	− 7 49.2	1.796	2.788	3.6	18.8
4 21	13 51.02	− 7 39.6	1.799	2.802	1.6	18.7
5 1	13 42.58	− 7 33.3	1.830	2.817	5.2	19.0
5 11	13 35.26	− 7 33.6	1.887	2.831	8.9	19.2
5 21	13 29.72	− 7 42.6	1.968	2.846	12.2	19.5

436689 2011 SM_{194} 4 19.9 267°.33 0°.1/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.72	−14 5.0	2.278	3.066	13.1	21.8
3 22	14 11.21	−13 45.4	2.179	3.059	10.4	21.6
4 1	14 5.75	−13 14.8	2.103	3.051	7.2	21.4
4 11	13 58.82	−12 35.3	2.053	3.043	3.5	21.1
4 21	13 51.11	−11 50.2	2.031	3.036	0.4	20.8
5 1	13 43.45	−11 3.9	2.037	3.028	4.2	21.1
5 11	13 36.65	−10 21.3	2.071	3.020	7.9	21.3
5 21	13 31.33	− 9 46.7	2.130	3.013	11.2	21.5

520002 2013 TM_{170} 4 19.9 114°.07 1°.7/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 18.47	− 8 23.2	2.211	3.008	13.2	22.1
3 22	14 13.92	− 7 55.4	2.137	3.023	10.3	21.9
4 1	14 7.41	− 7 20.5	2.086	3.038	6.9	21.7
4 11	13 59.54	− 6 42.1	2.061	3.053	3.3	21.5
4 21	13 51.04	− 6 4.2	2.065	3.067	1.9	21.4
5 1	13 42.78	− 5 31.1	2.099	3.081	5.1	21.7
5 11	13 35.53	− 5 6.6	2.159	3.094	8.5	21.9
5 21	13 29.86	− 4 53.2	2.244	3.107	11.5	22.1

475677 2006 VA_{55} 4 19.9 222°.36 2°.4/17.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.32	− 4 42.3	2.650	3.448	11.2	22.7
3 22	14 12.07	− 4 16.8	2.554	3.441	8.8	22.5
4 1	14 6.12	− 3 47.2	2.482	3.434	6.0	22.3
4 11	13 58.94	− 3 16.8	2.438	3.427	3.3	22.1
4 21	13 51.11	− 2 49.0	2.423	3.419	2.7	22.1
5 1	13 43.33	− 2 27.3	2.437	3.411	5.1	22.2
5 11	13 36.29	− 2 14.6	2.479	3.403	8.1	22.4
5 21	13 30.53	− 2 12.7	2.546	3.394	10.8	22.6

304636 2006 VM_{152} 4 19.9 60°.00 2°.4/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.53	−22 28.2	2.240	3.000	14.2	20.2
3 22	14 10.26	−22 3.8	2.156	3.012	11.5	20.1
4 1	14 5.03	−21 22.6	2.094	3.023	8.4	19.9
4 11	13 58.42	−20 25.9	2.057	3.035	5.1	19.7
4 21	13 51.17	−19 17.2	2.047	3.046	2.5	19.5
5 1	13 44.12	−18 1.6	2.066	3.058	4.0	19.7
5 11	13 38.05	−16 45.5	2.112	3.070	7.2	19.9
5 21	13 33.53	−15 34.9	2.185	3.082	10.3	20.1

174001 2001 XJ_{235} 4 19.9 82°.35 3°.7/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.53	− 1 24.7	2.284	3.094	12.4	20.3
3 22	14 12.39	− 0 53.2	2.207	3.100	9.7	20.1
4 1	14 6.38	− 0 19.7	2.154	3.106	6.8	19.9
4 11	13 59.05	+ 0 11.6	2.127	3.112	4.2	19.8
4 21	13 51.10	+ 0 36.6	2.129	3.117	4.0	19.8
5 1	13 43.32	+ 0 51.5	2.158	3.123	6.4	19.9
5 11	13 36.46	+ 0 53.7	2.214	3.129	9.3	20.1
5 21	13 31.07	+ 0 42.4	2.294	3.135	12.1	20.3

157308 2004 SH_{29} 4 19.9 222°.89 0°.1/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.05	−14 10.4	2.080	2.868	14.2	20.9
3 22	14 13.23	−13 50.1	1.984	2.863	11.3	20.7
4 1	14 7.22	−13 17.7	1.910	2.858	7.8	20.4
4 11	13 59.56	−12 35.3	1.862	2.852	3.8	20.2
4 21	13 51.04	−11 46.7	1.841	2.846	0.4	19.9
5 1	13 42.57	−10 56.8	1.849	2.839	4.6	20.2
5 11	13 35.08	−10 11.2	1.884	2.833	8.6	20.4
5 21	13 29.26	− 9 34.5	1.943	2.826	12.1	20.6

144110 2004 BN_{72} 4 19.9 341°.41 3°.1/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.70	−21 4.6	1.474	2.269	18.8	18.9
3 22	14 12.43	−21 4.8	1.388	2.264	15.4	18.6
4 1	14 7.23	−20 43.7	1.319	2.259	11.3	18.4
4 11	13 59.74	−20 1.1	1.273	2.255	6.8	18.1
4 21	13 51.01	−19 0.3	1.251	2.252	3.2	17.9
5 1	13 42.36	−17 47.9	1.255	2.249	5.6	18.0
5 11	13 35.10	−16 33.2	1.282	2.246	10.2	18.3
5 21	13 30.18	−15 25.4	1.332	2.244	14.6	18.5

89199 2001 UW_{83} 4 19.9 226°.84 0°.5/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.55	−12 6.3	2.203	2.991	13.5	20.6
3 22	14 14.30	−11 43.3	2.100	2.980	10.7	20.4
4 1	14 7.92	−11 9.9	2.020	2.969	7.3	20.1
4 11	13 59.90	−10 28.5	1.966	2.957	3.5	19.9
4 21	13 51.00	− 9 42.7	1.940	2.945	0.8	19.6
5 1	13 42.09	− 8 57.4	1.944	2.932	4.8	19.9
5 11	13 34.09	− 8 17.6	1.975	2.918	8.6	20.1
5 21	13 27.70	− 7 47.4	2.031	2.904	12.1	20.3

65600 3121 $T\text{-}_{3}$ 4 19.9 233°.36 0°.1/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.83	−12 45.5	2.663	3.441	11.7	20.0
3 22	14 12.54	−12 43.3	2.560	3.434	9.3	19.8
4 1	14 6.50	−12 33.4	2.480	3.426	6.4	19.6
4 11	13 59.15	−12 17.3	2.428	3.417	3.1	19.4
4 21	13 51.09	−11 57.1	2.404	3.409	0.3	19.1
5 1	13 43.04	−11 35.8	2.410	3.400	3.8	19.4
5 11	13 35.73	−11 16.7	2.445	3.391	7.0	19.6
5 21	13 29.72	−11 2.9	2.505	3.382	10.0	19.8

260702 2005 JZ_{120} 4 19.9 89°.14 2°.1/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.56	− 9 56.4	1.637	2.449	16.4	20.9
3 22	14 14.62	− 9 4.2	1.572	2.467	12.8	20.7
4 1	14 8.18	− 8 0.2	1.529	2.485	8.5	20.5
4 11	13 59.97	− 6 50.0	1.511	2.503	4.1	20.3
4 21	13 51.01	− 5 40.4	1.519	2.520	2.5	20.2
5 1	13 42.40	− 4 38.7	1.555	2.537	6.4	20.5
5 11	13 35.18	− 3 51.1	1.616	2.554	10.5	20.7
5 21	13 30.01	− 3 21.0	1.700	2.571	14.2	21.0

174773 2003 WF_{53} 4 19.9 55°.00 0°.3/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 19.20	−12 33.1	1.397	2.214	18.5	20.8
3 22	14 15.67	−12 21.3	1.333	2.228	14.6	20.6
4 1	14 9.19	−11 55.8	1.287	2.242	9.9	20.3
4 11	14 0.56	−11 19.9	1.265	2.257	4.7	20.1
4 21	13 50.94	−10 38.8	1.268	2.273	0.7	19.8
5 1	13 41.68	− 9 59.0	1.297	2.288	6.0	20.2
5 11	13 34.03	− 9 27.2	1.350	2.304	10.8	20.5
5 21	13 28.77	− 9 8.1	1.425	2.320	14.9	20.8

172589 2003 UM_{282} 4 19.9 185°.30 3°.4/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.59	− 5 43.2	1.773	2.588	15.3	20.4
3 22	14 14.66	− 4 53.1	1.691	2.588	11.9	20.1
4 1	14 8.29	− 3 54.8	1.632	2.588	8.1	19.9
4 11	14 0.10	− 2 53.9	1.598	2.587	4.5	19.7
4 21	13 50.99	− 1 56.7	1.590	2.586	3.9	19.6
5 1	13 42.05	− 1 10.0	1.611	2.585	7.2	19.8
5 11	13 34.29	− 0 38.7	1.656	2.583	11.1	20.0
5 21	13 28.46	− 0 25.5	1.724	2.581	14.7	20.3

40715 1999 RX_{253} 4 19.9 305°.75 3°.3/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.75	−19 40.0	1.506	2.297	18.6	19.3
3 22	14 15.63	−20 1.1	1.417	2.291	15.3	19.0
4 1	14 9.47	−20 4.6	1.346	2.285	11.2	18.7
4 11	14 0.87	−19 49.9	1.298	2.279	6.7	18.5
4 21	13 50.89	−19 18.3	1.274	2.274	3.3	18.2
5 1	13 40.92	−18 34.8	1.275	2.268	5.8	18.4
5 11	13 32.34	−17 46.8	1.302	2.263	10.4	18.6
5 21	13 26.17	−17 2.4	1.351	2.258	14.7	18.8

264622 2001 VG_{53} 4 19.9 95°.46 2°.6/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.16	−20 36.1	1.922	2.688	16.0	21.0
3 22	14 15.71	−20 37.8	1.848	2.707	13.0	20.9
4 1	14 8.87	−20 23.2	1.794	2.726	9.4	20.7
4 11	14 0.32	−19 53.1	1.765	2.744	5.5	20.5
4 21	13 50.98	−19 10.1	1.762	2.762	2.7	20.3
5 1	13 41.93	−18 19.1	1.788	2.780	4.6	20.5
5 11	13 34.14	−17 26.4	1.841	2.797	8.2	20.7
5 21	13 28.29	−16 38.1	1.919	2.814	11.7	21.0

422869 2002 PW_{161} 4 19.9 243°.05 0°.5/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.99	−14 40.7	2.007	2.790	14.8	22.1
3 22	14 15.79	−14 28.7	1.899	2.775	11.9	21.8
4 1	14 9.15	−14 4.1	1.812	2.758	8.3	21.6
4 11	14 0.60	−13 28.4	1.751	2.741	4.2	21.3
4 21	13 50.93	−12 44.6	1.718	2.723	0.5	21.0
5 1	13 41.18	−11 57.5	1.713	2.704	4.8	21.2
5 11	13 32.41	−11 13.1	1.736	2.685	9.2	21.5
5 21	13 25.44	−10 36.6	1.782	2.665	13.0	21.6

6369 1983 UC 4 19.9 180°.85 0°.4/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 22.47	−11 58.1	1.828	2.620	15.8	18.5
3 22	14 17.74	−11 48.3	1.740	2.622	12.5	18.2
4 1	14 10.43	−11 27.8	1.673	2.622	8.5	18.0
4 11	14 1.17	−10 58.7	1.631	2.622	4.1	17.7
4 21	13 50.88	−10 24.9	1.617	2.622	0.7	17.5
5 1	13 40.71	− 9 51.3	1.632	2.621	5.3	17.8
5 11	13 31.76	− 9 23.3	1.673	2.619	9.7	18.0
5 21	13 24.84	− 9 4.9	1.738	2.617	13.5	18.3

205364 2000 YE_{28} 4 19.9 68°.10 10°.8/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.22	−41 37.1	1.078	1.803	28.2	19.8
3 22	14 16.65	−41 24.8	1.013	1.818	25.0	19.6
4 1	14 10.67	−40 21.3	0.959	1.834	20.9	19.4
4 11	14 1.45	−38 19.8	0.921	1.851	16.5	19.1
4 21	13 50.87	−35 21.2	0.902	1.867	12.4	19.0
5 1	13 41.10	−31 38.9	0.906	1.883	10.8	18.9
5 11	13 33.93	−27 37.7	0.934	1.900	12.8	19.1
5 21	13 30.26	−23 44.0	0.986	1.916	16.7	19.4

213177 2000 SW_{125} 4 19.9 88°.16 1°.8/19.1 16 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 34.63	− 5 31.6	1.700	2.485	17.0	20.5
3 22	14 26.87	− 5 53.1	1.641	2.519	13.3	20.4
4 1	14 16.31	− 6 10.9	1.604	2.552	9.0	20.2
4 11	14 3.82	− 6 27.1	1.594	2.584	4.4	20.0
4 21	13 50.62	− 6 44.0	1.613	2.615	2.0	19.9
5 1	13 38.02	− 7 4.1	1.662	2.646	5.9	20.2
5 11	13 27.17	− 7 29.4	1.739	2.675	10.1	20.5
5 21	13 18.80	− 8 1.4	1.841	2.704	13.6	20.8

209508 2004 PN_{31} 4 19.9 211°.31 3°.6/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.11	− 5 37.0	1.858	2.667	14.9	21.5
3 22	14 15.83	− 4 40.1	1.767	2.660	11.7	21.3
4 1	14 9.11	− 3 34.3	1.699	2.653	8.0	21.0
4 11	14 0.54	− 2 25.2	1.656	2.645	4.5	20.8
4 21	13 50.97	− 1 19.3	1.641	2.636	4.0	20.7
5 1	13 41.48	− 0 23.8	1.655	2.626	7.4	20.9
5 11	13 33.10	+ 0 15.9	1.694	2.615	11.3	21.1
5 21	13 26.61	+ 0 36.8	1.756	2.604	14.8	21.3

294101 2007 TG_{227} 4 19.9 245°.46 1°.0/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 18.29	−16 5.7	1.580	2.379	17.5	21.5
3 22	14 14.96	−15 53.9	1.492	2.376	14.0	21.2
4 1	14 8.81	−15 25.6	1.425	2.373	9.8	21.0
4 11	14 0.48	−14 42.6	1.380	2.369	5.1	20.7
4 21	13 50.98	−13 48.9	1.361	2.366	1.0	20.4
5 1	13 41.56	−12 51.0	1.369	2.362	5.4	20.7
5 11	13 33.47	−11 56.7	1.402	2.359	10.2	21.0
5 21	13 27.61	−11 12.6	1.458	2.355	14.5	21.2

9585 1990 QY_{2} 4 19.9 155°.29 0°.7/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 19.73	−15 14.9	1.909	2.695	15.4	18.4
3 22	14 15.47	−15 4.7	1.823	2.699	12.3	18.2
4 1	14 8.81	−14 41.6	1.759	2.704	8.5	18.0
4 11	14 0.36	−14 7.2	1.719	2.708	4.3	17.7
4 21	13 51.01	−13 25.1	1.707	2.712	0.7	17.5
5 1	13 41.81	−12 40.2	1.723	2.715	4.7	17.8
5 11	13 33.77	−11 58.4	1.766	2.718	8.9	18.0
5 21	13 27.63	−11 24.6	1.833	2.720	12.5	18.2

100942 1998 OQ_{3} 4 19.9 243°.12 3°.2/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 18.01	−21 43.4	1.743	2.516	17.2	20.5
3 22	14 14.62	−21 45.6	1.648	2.510	14.1	20.3
4 1	14 8.53	−21 28.9	1.573	2.505	10.4	20.0
4 11	14 0.35	−20 53.0	1.521	2.499	6.4	19.8
4 21	13 51.01	−20 0.2	1.495	2.494	3.3	19.6
5 1	13 41.72	−18 55.5	1.496	2.488	5.2	19.7
5 11	13 33.65	−17 47.1	1.522	2.482	9.3	19.9
5 21	13 27.69	−16 42.6	1.573	2.476	13.3	20.1

297641 2001 TF_{155} 4 19.9 207°.96 0°.6/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.90	−16 44.5	2.388	3.166	12.9	21.1
3 22	14 10.45	−16 13.6	2.293	3.165	10.3	20.9
4 1	14 5.17	−15 29.7	2.220	3.163	7.1	20.7
4 11	13 58.54	−14 35.0	2.173	3.161	3.7	20.4
4 21	13 51.23	−13 33.1	2.155	3.159	0.6	20.2
5 1	13 44.02	−12 28.7	2.166	3.157	3.9	20.4
5 11	13 37.65	−11 27.5	2.204	3.155	7.4	20.6
5 21	13 32.70	−10 33.9	2.268	3.153	10.6	20.8

215141 1999 TS_{280} 4 19.9 196°.84 3°.7/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 12.49	− 1 24.7	2.866	3.673	10.2	21.0
3 22	14 8.93	− 0 10.4	2.779	3.671	8.0	20.8
4 1	14 3.92	+ 1 7.7	2.719	3.668	5.7	20.6
4 11	13 57.87	+ 2 24.8	2.686	3.665	3.9	20.5
4 21	13 51.31	+ 3 36.0	2.684	3.662	4.2	20.5
5 1	13 44.84	+ 4 36.7	2.710	3.658	6.2	20.7
5 11	13 39.03	+ 5 23.6	2.764	3.654	8.6	20.8
5 21	13 34.33	+ 5 54.9	2.841	3.650	10.8	21.0

416823 2005 HJ_{9} 4 19.9 334°.64 6°.8/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.43	+ 0 53.0	1.330	2.174	17.8	20.2
3 22	14 13.84	+ 1 43.3	1.254	2.164	14.2	20.0
4 1	14 8.22	+ 2 36.4	1.198	2.155	10.3	19.7
4 11	14 0.25	+ 3 23.8	1.164	2.146	7.2	19.5
4 21	13 51.03	+ 3 57.0	1.154	2.139	7.4	19.5
5 1	13 41.92	+ 4 8.6	1.168	2.132	10.7	19.7
5 11	13 34.27	+ 3 55.1	1.203	2.126	14.8	19.9
5 21	13 29.01	+ 3 16.7	1.258	2.120	18.7	20.1

175340 2005 NX_{70} 4 19.9 358°.47 5°.6/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.82	− 2 48.4	1.255	2.104	18.3	19.4
3 22	14 11.84	− 1 50.1	1.186	2.101	14.4	19.1
4 1	14 6.84	− 0 44.2	1.137	2.099	10.0	18.8
4 11	13 59.56	+ 0 20.6	1.110	2.098	6.3	18.6
4 21	13 51.12	+ 1 15.0	1.107	2.098	6.3	18.6
5 1	13 42.90	+ 1 50.5	1.127	2.099	9.9	18.8
5 11	13 36.20	+ 2 1.9	1.169	2.101	14.3	19.1
5 21	13 31.90	+ 1 48.1	1.230	2.103	18.3	19.3

277732 2006 DW_{81} 4 19.9 217°.02 2°.2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.22	− 8 31.7	2.038	2.846	13.8	21.0
3 22	14 11.75	− 7 42.8	1.951	2.844	10.8	20.8
4 1	14 6.18	− 6 44.2	1.886	2.842	7.2	20.6
4 11	13 59.07	− 5 40.5	1.847	2.839	3.6	20.3
4 21	13 51.19	− 4 37.2	1.837	2.836	2.6	20.3
5 1	13 43.41	− 3 40.2	1.854	2.834	5.9	20.5
5 11	13 36.62	− 2 55.0	1.898	2.831	9.6	20.7
5 21	13 31.44	− 2 24.8	1.965	2.827	12.9	20.9

81892 2000 LQ_{29} 4 19.9 219°.38 3°.2/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 13.99	− 4 22.4	2.439	3.247	11.8	19.5
3 22	14 10.40	− 3 23.6	2.349	3.242	9.2	19.3
4 1	14 5.08	− 2 18.9	2.283	3.237	6.3	19.1
4 11	13 58.49	− 1 13.0	2.245	3.232	3.8	19.0
4 21	13 51.25	− 0 11.0	2.235	3.226	3.6	18.9
5 1	13 44.10	+ 0 42.1	2.254	3.220	6.1	19.1
5 11	13 37.74	+ 1 22.1	2.300	3.213	9.1	19.3
5 21	13 32.71	+ 1 46.9	2.370	3.207	11.8	19.4

483809 2005 WA_{85} 4 19.9 345°.12 11°.8/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 39.76	+13 19.7	1.041	1.859	23.5	20.5
3 22	14 33.24	+13 21.3	0.974	1.857	19.8	20.3
4 1	14 22.02	+13 3.6	0.923	1.855	15.8	20.0
4 11	14 7.10	+12 14.5	0.892	1.854	12.6	19.8
4 21	13 50.28	+10 46.7	0.885	1.853	12.1	19.8
5 1	13 33.95	+ 8 40.3	0.901	1.852	14.8	19.9
5 11	13 20.29	+ 6 3.7	0.940	1.852	18.9	20.2
5 21	13 10.55	+ 3 8.8	0.999	1.852	23.1	20.4

29583 1998 FA_{60} 4 19.9 112°.11 0°.7/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.96	−11 6.9	2.503	3.292	12.1	18.8
3 22	14 11.81	−10 42.5	2.424	3.305	9.4	18.6
4 1	14 5.93	−10 10.1	2.368	3.317	6.3	18.5
4 11	13 58.86	− 9 32.5	2.338	3.330	3.0	18.3
4 21	13 51.23	− 8 52.9	2.338	3.342	1.0	18.1
5 1	13 43.76	− 8 15.4	2.367	3.354	4.2	18.4
5 11	13 37.16	− 7 43.7	2.425	3.366	7.4	18.6
5 21	13 31.92	− 7 20.7	2.507	3.377	10.2	18.8

248979 2007 DY_{113} 4 19.9 249°.57 2°.7/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 6.70	+ 1 3.4	4.712	5.515	6.6	20.6
3 22	14 3.90	+ 2 1.7	4.621	5.509	5.1	20.5
4 1	14 0.26	+ 3 1.0	4.558	5.503	3.7	20.3
4 11	13 56.04	+ 3 58.6	4.524	5.496	2.8	20.3
4 21	13 51.54	+ 4 51.9	4.520	5.490	3.0	20.3
5 1	13 47.08	+ 5 38.5	4.546	5.483	4.2	20.4
5 11	13 42.96	+ 6 16.6	4.600	5.477	5.7	20.5
5 21	13 39.46	+ 6 45.1	4.678	5.470	7.1	20.6

211532 2003 QQ_{104} 4 19.9 230°.05 2°.5/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.55	−19 29.3	1.819	2.593	16.5	20.9
3 22	14 16.54	−19 35.5	1.719	2.584	13.5	20.6
4 1	14 9.84	−19 25.7	1.639	2.575	9.8	20.4
4 11	14 1.01	−18 59.7	1.583	2.565	5.7	20.1
4 21	13 50.97	−18 19.4	1.554	2.555	2.6	19.9
5 1	13 40.90	−17 29.4	1.552	2.544	5.1	20.0
5 11	13 31.99	−16 36.4	1.577	2.533	9.3	20.2
5 21	13 25.14	−15 47.4	1.625	2.521	13.3	20.4

4094 Aoshima 4 19.9 232°.51 0°.5/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.54	−15 40.7	2.895	3.661	11.2	18.6
3 22	14 12.26	−15 21.0	2.780	3.645	8.9	18.4
4 1	14 6.30	−14 51.2	2.688	3.628	6.2	18.2
4 11	13 59.09	−14 12.8	2.624	3.611	3.2	18.0
4 21	13 51.20	−13 28.3	2.589	3.593	0.6	17.7
5 1	13 43.28	−12 41.0	2.584	3.575	3.5	18.0
5 11	13 36.02	−11 55.1	2.609	3.556	6.6	18.1
5 21	13 29.96	−11 14.3	2.661	3.536	9.5	18.3

7239 Mobberley 4 19.9 251°.86 1°.9/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 20.19	−18 50.0	1.921	2.693	15.8	19.3
3 22	14 16.23	−18 41.4	1.807	2.673	12.9	19.1
4 1	14 9.64	−18 16.3	1.714	2.652	9.3	18.8
4 11	14 0.95	−17 35.0	1.645	2.629	5.2	18.5
4 21	13 50.98	−16 39.9	1.604	2.607	1.9	18.2
5 1	13 40.85	−15 36.0	1.591	2.583	4.9	18.4
5 11	13 31.73	−14 30.5	1.604	2.559	9.4	18.6
5 21	13 24.54	−13 30.5	1.642	2.534	13.5	18.8

392547 2011 SX_{18} 4 19.9 112°.73 3°.3/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.92	−24 18.4	2.461	3.202	13.6	21.6
3 22	14 12.05	−24 21.4	2.370	3.209	11.2	21.4
4 1	14 6.26	−24 9.1	2.301	3.216	8.4	21.2
4 11	13 59.08	−23 41.7	2.256	3.223	5.6	21.1
4 21	13 51.21	−23 0.9	2.239	3.231	3.5	20.9
5 1	13 43.46	−22 10.0	2.250	3.237	4.3	21.0
5 11	13 36.63	−21 14.3	2.289	3.244	6.9	21.2
5 21	13 31.29	−20 18.9	2.354	3.251	9.7	21.4

385142 2013 TO_{3} 4 19.9 182°.97 2°.9/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 21.52	− 3 23.6	2.269	3.066	12.9	21.5
3 22	14 16.38	− 3 5.3	2.181	3.067	10.1	21.3
4 1	14 9.20	− 2 44.0	2.117	3.067	6.9	21.1
4 11	14 0.51	− 2 23.1	2.079	3.067	3.9	20.9
4 21	13 51.06	− 2 6.4	2.071	3.066	3.2	20.8
5 1	13 41.72	− 1 57.4	2.091	3.064	5.9	21.0
5 11	13 33.35	− 1 58.8	2.140	3.063	9.2	21.2
5 21	13 26.58	− 2 12.0	2.213	3.060	12.2	21.4

192792 1999 UT_{45} 4 19.9 115°.85 2°.4/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 21.36	−18 44.9	2.173	2.934	14.5	20.4
3 22	14 16.48	−19 6.5	2.088	2.945	11.7	20.3
4 1	14 9.37	−19 15.9	2.025	2.957	8.5	20.1
4 11	14 0.62	−19 13.1	1.988	2.967	5.0	19.9
4 21	13 51.04	−18 59.6	1.978	2.978	2.4	19.7
5 1	13 41.62	−18 38.2	1.998	2.988	4.3	19.9
5 11	13 33.26	−18 13.5	2.045	2.998	7.7	20.1
5 21	13 26.67	−17 50.0	2.117	3.008	10.9	20.3

437745 2014 EY_{43} 4 19.9 314°.09 4°.7/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
3 12	14 15.56	+ 1 31.0	2.221	3.037	12.5	20.9
3 22	14 11.84	+ 2 7.8	2.134	3.028	9.9	20.7
4 1	14 6.17	+ 2 45.4	2.070	3.019	7.2	20.5
4 11	13 59.06	+ 3 18.6	2.032	3.010	5.1	20.4
4 21	13 51.22	+ 3 42.8	2.022	3.002	5.2	20.3
5 1	13 43.45	+ 3 54.0	2.038	2.993	7.5	20.5
5 11	13 36.56	+ 3 49.6	2.081	2.985	10.3	20.6
5 21	13 31.15	+ 3 29.2	2.146	2.978	13.1	20.8

178679 Piquette 4 19.9 161°.30 0°.1/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 15.32	−13 45.6	2.844	3.619	11.1	22.4
3 22	14 11.17	−13 24.3	2.752	3.624	8.7	22.2
4 1	14 5.46	−12 54.4	2.684	3.629	6.0	22.0
4 11	13 58.64	−12 17.7	2.644	3.633	2.9	21.8
4 21	13 51.28	−11 37.1	2.632	3.637	0.3	21.6
5 1	13 44.01	−10 56.1	2.651	3.641	3.5	21.9
5 11	13 37.47	−10 18.3	2.699	3.644	6.5	22.1
5 21	13 32.15	− 9 46.9	2.773	3.647	9.2	22.2

90799 1994 UD_{8} 4 20.0 181°.40 0°.9/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 22.93	−15 6.2	1.822	2.605	16.1	20.7
3 22	14 18.20	−15 4.8	1.732	2.607	12.9	20.4
4 1	14 10.82	−14 50.5	1.663	2.607	9.0	20.2
4 11	14 1.43	−14 24.5	1.619	2.607	4.6	19.9
4 21	13 50.96	−13 49.9	1.602	2.607	0.9	19.6
5 1	13 40.60	−13 11.4	1.614	2.605	5.0	19.9
5 11	13 31.47	−12 35.1	1.652	2.603	9.4	20.2
5 21	13 24.41	−12 6.0	1.714	2.601	13.3	20.4

6284 Borisivanov 4 20.0 186°.02 0°.6/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.31	−15 1.3	2.106	2.892	14.1	17.9
3 22	14 12.61	−14 48.8	2.015	2.892	11.2	17.7
4 1	14 6.79	−14 24.3	1.946	2.892	7.8	17.5
4 11	13 59.40	−13 49.8	1.903	2.892	3.9	17.3
4 21	13 51.20	−13 8.5	1.887	2.892	0.6	17.0
5 1	13 43.09	−12 25.0	1.900	2.892	4.3	17.3
5 11	13 35.97	−11 44.4	1.940	2.892	8.2	17.5
5 21	13 30.49	−11 11.3	2.004	2.891	11.6	17.7

434852 2006 SN_{164} 4 20.0 191°.61 4°.6/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.16	−27 42.2	2.361	3.087	14.4	21.6
3 22	14 12.48	−27 52.1	2.263	3.086	12.2	21.5
4 1	14 6.70	−27 44.5	2.184	3.086	9.5	21.3
4 11	13 59.36	−27 18.5	2.130	3.085	6.8	21.1
4 21	13 51.20	−26 35.1	2.102	3.085	4.8	21.0
5 1	13 43.12	−25 37.6	2.102	3.084	5.1	21.0
5 11	13 35.98	−24 31.6	2.130	3.083	7.5	21.1
5 21	13 30.46	−23 23.3	2.183	3.082	10.3	21.3

194393 2001 VD_{18} 4 20.0 69°.98 0°.4/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 21.29	−14 50.8	1.339	2.149	19.5	20.0
3 22	14 17.37	−14 33.8	1.280	2.171	15.4	19.8
4 1	14 10.36	−13 59.8	1.241	2.193	10.6	19.5
4 11	14 1.16	−13 12.3	1.224	2.215	5.2	19.3
4 21	13 51.02	−12 17.1	1.232	2.237	0.6	19.0
5 1	13 41.38	−11 21.7	1.266	2.259	5.9	19.4
5 11	13 33.51	−10 34.2	1.325	2.281	10.8	19.8
5 21	13 28.16	−10 0.0	1.405	2.302	15.0	20.1

348905 2006 SJ_{392} 4 20.0 7°.83 1°.8/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 14.05	−18 29.5	1.964	2.748	15.1	20.7
3 22	14 11.05	−18 24.7	1.876	2.749	12.2	20.5
4 1	14 5.83	−18 5.2	1.810	2.750	8.7	20.3
4 11	13 58.97	−17 32.0	1.767	2.752	4.9	20.0
4 21	13 51.25	−16 48.1	1.751	2.754	1.8	19.8
5 1	13 43.65	−15 58.3	1.763	2.756	4.4	20.0
5 11	13 37.09	−15 8.6	1.801	2.759	8.2	20.3
5 21	13 32.26	−14 24.5	1.863	2.762	11.7	20.5

93246 2000 SR_{156} 4 20.0 275°.95 2°.1/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 17.00	− 8 11.7	1.855	2.666	14.8	19.1
3 22	14 13.46	− 7 43.1	1.763	2.657	11.7	18.9
4 1	14 7.56	− 7 5.7	1.693	2.649	7.9	18.6
4 11	13 59.85	− 6 23.1	1.648	2.640	3.9	18.4
4 21	13 51.16	− 5 40.5	1.630	2.632	2.4	18.2
5 1	13 42.52	− 5 3.3	1.640	2.623	6.1	18.4
5 11	13 34.94	− 4 36.8	1.675	2.614	10.2	18.7
5 21	13 29.18	− 4 24.1	1.733	2.606	13.9	18.9

502399 2015 BO_{251} 4 20.0 231°.01 1°.1/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
3 12	14 16.89	−11 3.7	2.014	2.813	14.2	21.7
3 22	14 13.18	−10 31.9	1.920	2.807	11.2	21.5
4 1	14 7.25	− 9 49.3	1.848	2.801	7.6	21.2
4 11	13 59.66	− 8 59.2	1.802	2.794	3.6	21.0
4 21	13 51.18	− 8 6.0	1.784	2.787	1.4	20.8
5 1	13 42.77	− 7 15.3	1.793	2.780	5.3	21.0
5 11	13 35.35	− 6 32.7	1.830	2.772	9.3	21.2
5 21	13 29.63	− 6 2.3	1.890	2.765	12.8	21.4