2020	α_{2000}	δ_{2000}	Δ	r	β	V
199755	2006 JD_{39}		3 29.9	58.°46	1.°6/28.4	17
	h m	° ′			°	m
2 21	12 57.37	− 1 55.2	2.039	2.847	13.6	20.5
3 2	12 53.75	− 1 17.0	1.955	2.848	10.5	20.3
3 12	12 48.11	− 0 28.3	1.895	2.849	6.9	20.1
3 22	12 41.00	+ 0 26.3	1.861	2.850	3.1	19.8
4 1	12 33.19	+ 1 21.1	1.856	2.851	2.2	19.8
4 11	12 25.59	+ 2 10.0	1.879	2.852	5.9	20.0
4 21	12 19.02	+ 2 47.9	1.928	2.854	9.6	20.2
5 1	12 14.13	+ 3 11.4	2.001	2.855	12.8	20.4
306882	2001 TB_{34}		3 29.9	88.°92	5.°4/ 5.0	18
2 21	13 0.04	−22 32.1	1.959	2.677	17.1	20.6
3 2	12 55.95	−22 33.3	1.884	2.699	14.4	20.4
3 12	12 49.61	−22 10.2	1.828	2.720	11.2	20.3
3 22	12 41.66	−21 22.6	1.795	2.742	8.0	20.1
4 1	12 33.04	−20 13.3	1.788	2.763	5.7	20.0
4 11	12 24.78	−18 48.6	1.809	2.784	6.0	20.1
4 21	12 17.80	−17 16.9	1.858	2.804	8.5	20.3
5 1	12 12.75	−15 46.9	1.931	2.824	11.5	20.5
347908	2002 XW_1		3 29.9	166.°05	4.°0/26.6	18
2 21	13 2.21	+ 2 0.8	1.537	2.361	16.5	20.8
3 2	12 58.15	+ 3 5.2	1.463	2.364	12.7	20.5
3 12	12 51.37	+ 4 20.5	1.411	2.367	8.5	20.3
3 22	12 42.56	+ 5 39.0	1.384	2.369	4.7	20.1
4 1	12 32.80	+ 6 51.2	1.384	2.371	4.9	20.1
4 11	12 23.37	+ 7 48.0	1.410	2.372	8.8	20.3
4 21	12 15.42	+ 8 23.8	1.461	2.373	13.0	20.6
5 1	12 9.79	+ 8 36.1	1.533	2.374	16.8	20.8
102574	1999 UH_{41}		3 29.9	144.°60	0.°2/30.2	18
2 21	13 0.37	− 8 43.8	2.169	2.945	13.9	20.8
3 2	12 55.87	− 7 53.5	2.086	2.958	10.9	20.6
3 12	12 49.42	− 6 47.5	2.028	2.970	7.3	20.4
3 22	12 41.55	− 5 29.8	1.996	2.982	3.4	20.2
4 1	12 33.08	− 4 6.2	1.994	2.992	0.8	20.0
4 11	12 24.87	− 2 43.7	2.022	3.002	4.8	20.3
4 21	12 17.73	− 1 29.0	2.078	3.011	8.5	20.6
5 1	12 12.26	− 0 27.1	2.160	3.020	11.8	20.8
351498	2005 QC_{166}		3 29.9	160.°69	3.°1/27.2	18
2 21	13 3.10	+ 0 29.7	1.694	2.508	15.7	21.3
3 2	12 58.56	+ 1 29.4	1.618	2.514	12.1	21.1
3 12	12 51.51	+ 2 40.2	1.565	2.520	8.0	20.8
3 22	12 42.59	+ 3 55.5	1.538	2.525	4.0	20.6
4 1	12 32.81	+ 5 6.9	1.539	2.529	3.9	20.6
4 11	12 23.37	+ 6 6.1	1.567	2.532	7.8	20.8
4 21	12 15.29	+ 6 47.5	1.621	2.535	11.8	21.1
5 1	12 9.37	+ 7 8.2	1.698	2.537	15.4	21.3
422635	2604 T_{-3}		3 29.9	126.°28	1.°5/31.7	18
2 21	13 2.03	−11 14.0	2.293	3.052	13.8	22.4
3 2	12 57.02	−10 57.0	2.214	3.071	10.9	22.2
3 12	12 50.10	−10 25.4	2.158	3.090	7.6	22.1
3 22	12 41.84	− 9 41.2	2.128	3.108	4.1	21.9
4 1	12 33.01	− 8 48.3	2.128	3.125	1.5	21.7
4 11	12 24.48	− 7 52.1	2.158	3.141	4.2	21.9
4 21	12 16.99	− 6 58.0	2.216	3.157	7.7	22.2
5 1	12 11.16	− 6 11.0	2.301	3.172	10.8	22.4
389817	2011 WW_{37}		3 29.9	259.°73	4.°0/25.3	17
2 21	12 59.39	+ 8 43.9	2.615	3.426	10.9	21.0
3 2	12 54.91	+ 9 19.9	2.521	3.412	8.5	20.9
3 12	12 48.71	+ 9 57.4	2.451	3.399	6.0	20.7
3 22	12 41.25	+10 31.7	2.410	3.385	4.1	20.5
4 1	12 33.15	+10 58.1	2.398	3.371	4.6	20.5
4 11	12 25.16	+11 12.7	2.414	3.357	6.9	20.7
4 21	12 17.98	+11 13.1	2.458	3.342	9.5	20.8
5 1	12 12.19	+10 58.5	2.525	3.328	12.1	20.9
309452	2007 UM_{104}		3 29.9	103.°83	1.°0/29.1	18
2 21	13 1.87	− 4 16.5	1.717	2.521	15.9	21.2
3 2	12 57.45	− 3 37.4	1.649	2.538	12.3	21.0
3 12	12 50.65	− 2 44.5	1.603	2.554	8.1	20.8
3 22	12 42.15	− 1 43.0	1.582	2.571	3.5	20.6
4 1	12 32.94	− 0 39.6	1.589	2.587	1.7	20.5
4 11	12 24.14	+ 0 18.2	1.625	2.602	6.1	20.8
4 21	12 16.72	+ 1 4.2	1.686	2.617	10.3	21.1
5 1	12 11.37	+ 1 34.6	1.771	2.632	13.9	21.3
382378	2013 TW_{113}		3 29.9	118.°90	2.°4/27.8	17
2 21	13 2.45	+ 2 25.0	2.106	2.912	13.3	20.9
3 2	12 57.52	+ 2 45.1	2.028	2.919	10.2	20.7
3 12	12 50.54	+ 3 10.6	1.974	2.926	6.8	20.5
3 22	12 42.08	+ 3 37.4	1.947	2.933	3.4	20.3
4 1	12 32.96	+ 4 0.5	1.949	2.940	3.0	20.3
4 11	12 24.12	+ 4 15.4	1.979	2.947	6.2	20.5
4 21	12 16.39	+ 4 19.2	2.037	2.953	9.7	20.7
5 1	12 10.43	+ 4 10.2	2.118	2.959	12.7	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
207467	2006 GL_{43}		3 29.9	273.°18	3.°5/27.4	17
	h m	° ′			°	m
2 21	13 2.49	+ 2 28.7	1.537	2.362	16.5	20.3
3 2	12 58.58	+ 3 2.9	1.449	2.351	12.8	20.0
3 12	12 51.84	+ 3 46.2	1.383	2.339	8.6	19.7
3 22	12 42.87	+ 4 32.5	1.341	2.328	4.5	19.5
4 1	12 32.72	+ 5 14.1	1.326	2.317	4.3	19.4
4 11	12 22.73	+ 5 43.3	1.337	2.305	8.5	19.6
4 21	12 14.13	+ 5 54.8	1.373	2.294	13.0	19.9
5 1	12 7.90	+ 5 46.2	1.429	2.282	17.1	20.1
275681	2000 SQ_{33}		3 29.9	287.°21	1.°9/ 2.2	18 R
2 21	12 54.27	−13 45.8	4.390	5.118	8.1	19.8
3 2	12 50.33	−14 0.7	4.274	5.107	6.6	19.7
3 12	12 45.37	−14 7.9	4.183	5.097	4.9	19.6
3 22	12 39.66	−14 7.8	4.120	5.086	3.1	19.4
4 1	12 33.57	−14 1.5	4.087	5.075	1.9	19.3
4 11	12 27.50	−13 50.4	4.085	5.064	2.7	19.4
4 21	12 21.83	−13 36.7	4.112	5.053	4.5	19.5
5 1	12 16.94	−13 22.5	4.168	5.042	6.3	19.6
464971	2005 XF_{89}		3 29.9	48.°49	6.°1/25.0	18
2 21	13 1.14	+ 8 44.4	1.507	2.344	16.1	20.5
3 2	12 57.04	+ 9 46.5	1.460	2.366	12.5	20.3
3 12	12 50.39	+10 49.9	1.436	2.388	8.8	20.2
3 22	12 42.01	+11 46.0	1.436	2.411	6.3	20.1
4 1	12 33.02	+12 26.2	1.461	2.434	6.9	20.2
4 11	12 24.64	+12 45.1	1.513	2.458	9.9	20.4
4 21	12 17.85	+12 40.9	1.587	2.482	13.3	20.6
5 1	12 13.29	+12 14.6	1.683	2.506	16.3	20.9
498138	2007 TS_{51}		3 29.9	151.°84	1.°2/28.6	17
2 21	13 0.44	− 0 53.3	2.714	3.503	11.1	22.5
3 2	12 55.52	− 0 34.4	2.629	3.511	8.5	22.3
3 12	12 49.00	− 0 9.1	2.569	3.518	5.6	22.1
3 22	12 41.34	+ 0 19.5	2.537	3.525	2.5	21.9
4 1	12 33.17	+ 0 47.8	2.536	3.531	1.6	21.9
4 11	12 25.19	+ 1 12.1	2.565	3.538	4.6	22.1
4 21	12 18.05	+ 1 29.4	2.622	3.543	7.6	22.3
5 1	12 12.25	+ 1 37.5	2.706	3.548	10.2	22.5
65656	1981 RR_1		3 29.9	204.°72	1.°9/27.4	18
2 21	12 57.94	− 0 19.9	2.748	3.543	10.8	21.1
3 2	12 53.69	+ 0 37.1	2.651	3.537	8.3	20.9
3 12	12 47.86	+ 1 42.4	2.579	3.530	5.5	20.7
3 22	12 40.86	+ 2 51.8	2.535	3.522	2.7	20.5
4 1	12 33.28	+ 4 0.1	2.523	3.514	2.5	20.5
4 11	12 25.81	+ 5 2.3	2.541	3.504	5.3	20.7
4 21	12 19.07	+ 5 53.9	2.587	3.494	8.2	20.9
5 1	12 13.61	+ 6 32.1	2.659	3.484	10.9	21.0
62929	2000 VO_{15}		3 29.9	148.°71	0.°1/29.9	17
2 21	12 58.76	− 6 29.1	2.123	2.912	13.8	20.1
3 2	12 54.74	− 5 58.4	2.038	2.917	10.8	19.9
3 12	12 48.74	− 5 14.6	1.975	2.922	7.2	19.7
3 22	12 41.30	− 4 20.9	1.939	2.927	3.3	19.5
4 1	12 33.18	− 3 22.4	1.932	2.931	0.9	19.3
4 11	12 25.27	− 2 25.2	1.954	2.935	4.9	19.6
4 21	12 18.38	− 1 34.9	2.003	2.939	8.7	19.8
5 1	12 13.16	− 0 55.8	2.078	2.942	12.0	20.1
475914	2007 DR_{110}		3 29.9	219.°64	1.°3/31.6	16
2 21	12 57.26	− 9 38.1	2.832	3.596	11.3	21.4
3 2	12 53.15	− 9 38.1	2.732	3.592	9.0	21.3
3 12	12 47.49	− 9 27.7	2.655	3.589	6.3	21.1
3 22	12 40.69	− 9 8.2	2.605	3.586	3.4	20.9
4 1	12 33.32	− 8 41.9	2.585	3.582	1.3	20.7
4 11	12 26.05	− 8 12.2	2.595	3.578	3.6	20.9
4 21	12 19.48	− 7 42.8	2.633	3.574	6.6	21.1
5 1	12 14.16	− 7 17.3	2.698	3.570	9.3	21.2
39524	1989 SM_3		3 29.9	270.°05	2.°6/27.5	18
2 21	13 0.44	+ 2 5.9	2.140	2.949	13.0	19.5
3 2	12 56.22	+ 2 36.9	2.037	2.930	10.1	19.2
3 12	12 49.89	+ 3 15.1	1.957	2.910	6.8	19.0
3 22	12 41.90	+ 3 56.0	1.903	2.890	3.5	18.7
4 1	12 33.01	+ 4 34.3	1.879	2.869	3.3	18.7
4 11	12 24.16	+ 5 4.3	1.883	2.849	6.6	18.8
4 21	12 16.24	+ 5 21.9	1.913	2.828	10.3	19.0
5 1	12 9.99	+ 5 24.4	1.967	2.806	13.6	19.2
110812	2001 UR_{47}		3 30.0	204.°61	0.°8/29.3	17
2 21	13 0.17	− 3 55.6	2.004	2.802	14.2	20.4
3 2	12 56.03	− 3 28.7	1.913	2.799	11.0	20.1
3 12	12 49.73	− 2 50.0	1.846	2.796	7.3	19.9
3 22	12 41.80	− 2 3.1	1.805	2.793	3.2	19.6
4 1	12 33.06	− 1 13.3	1.792	2.789	1.4	19.5
4 11	12 24.50	− 0 26.5	1.807	2.786	5.6	19.8
4 21	12 17.00	+ 0 11.7	1.850	2.781	9.5	20.0
5 1	12 11.29	+ 0 37.3	1.917	2.777	13.1	20.2

502421 2015 BS_{256} 3 30.0 85.°60 3.°8/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.80	−16 40.4	1.982	2.729	16.0	21.2
3 2	12 56.46	−16 47.6	1.908	2.750	13.1	21.1
3 12	12 49.93	−16 35.3	1.854	2.769	9.8	20.9
3 22	12 41.84	−16 4.2	1.824	2.789	6.3	20.7
4 1	12 33.07	−15 17.1	1.821	2.809	3.9	20.6
4 11	12 24.63	−14 19.6	1.847	2.828	5.1	20.7
4 21	12 17.41	−13 18.5	1.899	2.847	8.3	20.9
5 1	12 12.07	−12 20.6	1.977	2.866	11.5	21.2

93678 2000 VJ_{6} 3 30.0 183.°05 1.°3/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.33	− 2 0.5	2.160	2.959	13.2	20.3
3 2	12 55.94	− 1 32.1	2.072	2.959	10.3	20.1
3 12	12 49.55	− 0 54.2	2.008	2.959	6.8	19.9
3 22	12 41.68	− 0 10.6	1.971	2.959	3.0	19.6
4 1	12 33.10	+ 0 33.6	1.962	2.958	1.9	19.5
4 11	12 24.70	+ 1 13.2	1.983	2.957	5.5	19.8
4 21	12 17.32	+ 1 43.4	2.030	2.956	9.2	20.0
5 1	12 11.60	+ 2 1.3	2.103	2.954	12.4	20.2

306646 2000 SC_{65} 3 30.0 280.°71 0.°4/29.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.54	− 4 51.2	2.533	3.318	11.9	22.0
3 2	12 54.54	− 4 26.0	2.407	3.285	9.4	21.8
3 12	12 48.68	− 3 49.9	2.305	3.251	6.3	21.6
3 22	12 41.35	− 3 5.3	2.230	3.217	2.9	21.3
4 1	12 33.16	− 2 16.0	2.184	3.183	1.0	21.1
4 11	12 24.86	− 1 27.1	2.169	3.147	4.7	21.3
4 21	12 17.24	− 0 43.3	2.181	3.111	8.4	21.4
5 1	12 10.99	− 0 8.9	2.220	3.075	11.7	21.6

275880 2001 SW_{345} 3 30.0 166.°66 1.°9/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.48	− 0 10.0	2.612	3.405	11.4	22.2
3 2	12 55.64	+ 0 38.4	2.527	3.412	8.7	22.1
3 12	12 49.13	+ 1 34.2	2.467	3.418	5.7	21.9
3 22	12 41.42	+ 2 33.4	2.436	3.423	2.7	21.7
4 1	12 33.18	+ 3 31.0	2.436	3.427	2.4	21.7
4 11	12 25.13	+ 4 21.9	2.465	3.431	5.3	21.9
4 21	12 17.93	+ 5 2.4	2.524	3.433	8.3	22.1
5 1	12 12.14	+ 5 29.8	2.607	3.435	11.0	22.2

126126 2001 YK_{119} 3 30.0 216.°06 7.°9/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.39	+17 46.4	2.162	2.980	12.6	19.7
3 2	12 56.85	+19 10.5	2.090	2.973	10.3	19.5
3 12	12 50.19	+20 31.0	2.042	2.967	8.5	19.4
3 22	12 41.98	+21 39.7	2.021	2.959	7.9	19.3
4 1	12 33.03	+22 29.1	2.027	2.951	8.9	19.4
4 11	12 24.31	+22 54.2	2.058	2.943	11.0	19.5
4 21	12 16.69	+22 53.5	2.113	2.935	13.3	19.6
5 1	12 10.84	+22 28.2	2.188	2.925	15.6	19.8

503686 2016 HS_{10} 3 30.0 292.°38 4.°2/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.10	+ 3 9.7	1.771	2.599	14.5	20.8
3 2	12 54.14	+ 4 18.3	1.670	2.574	11.3	20.6
3 12	12 48.78	+ 5 38.1	1.592	2.549	7.7	20.3
3 22	12 41.50	+ 7 2.4	1.540	2.524	4.6	20.0
4 1	12 33.13	+ 8 22.1	1.515	2.499	5.2	20.0
4 11	12 24.76	+ 9 28.3	1.517	2.473	8.8	20.2
4 21	12 17.44	+10 14.4	1.543	2.448	12.9	20.3
5 1	12 12.06	+10 36.7	1.591	2.423	16.6	20.5

437582 2014 AW_{41} 3 30.0 80.°24 6.°3/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 55.95	+12 24.7	2.213	3.041	12.0	20.8
3 2	12 52.42	+14 5.8	2.158	3.055	9.4	20.6
3 12	12 47.09	+15 46.4	2.129	3.069	7.2	20.5
3 22	12 40.52	+17 18.6	2.128	3.084	6.3	20.5
4 1	12 33.42	+18 34.8	2.154	3.098	7.3	20.6
4 11	12 26.62	+19 29.9	2.207	3.112	9.4	20.7
4 21	12 20.82	+20 1.6	2.284	3.126	11.8	20.9
5 1	12 16.56	+20 10.0	2.382	3.140	14.0	21.1

14902 Miyairi 3 30.0 171.°69 4.°9/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.02	+10 54.0	2.547	3.363	10.9	17.6
3 2	12 53.82	+11 57.3	2.473	3.365	8.6	17.5
3 12	12 47.96	+13 1.3	2.424	3.367	6.3	17.3
3 22	12 40.91	+14 0.0	2.403	3.369	5.0	17.3
4 1	12 33.32	+14 48.0	2.411	3.370	5.7	17.3
4 11	12 25.94	+15 20.7	2.447	3.371	7.8	17.4
4 21	12 19.43	+15 36.0	2.509	3.371	10.2	17.6
5 1	12 14.32	+15 33.3	2.593	3.372	12.4	17.7

461547 2003 UU_{401} 3 30.0 120.°72 1.°4/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.95	−11 54.8	1.912	2.683	15.7	22.7
3 2	12 56.59	−11 17.0	1.836	2.701	12.5	22.5
3 12	12 50.02	−10 20.1	1.782	2.718	8.7	22.3
3 22	12 41.89	− 9 7.3	1.753	2.734	4.5	22.1
4 1	12 33.08	− 7 44.4	1.752	2.750	1.4	21.9
4 11	12 24.63	− 6 19.2	1.781	2.765	4.9	22.2
4 21	12 17.41	− 4 59.4	1.837	2.780	8.9	22.4
5 1	12 12.10	− 3 51.5	1.919	2.793	12.4	22.7

469586 2004 BL_{10} 3 30.0 11.°41 5.°3/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.17	−20 36.8	2.047	2.778	16.1	20.6
3 2	12 53.85	−20 58.4	1.954	2.779	13.6	20.5
3 12	12 48.36	−20 59.3	1.881	2.780	10.6	20.3
3 22	12 41.22	−20 38.4	1.831	2.781	7.7	20.1
4 1	12 33.23	−19 57.1	1.807	2.782	5.5	20.0
4 11	12 25.39	−18 59.7	1.810	2.784	6.0	20.0
4 21	12 18.61	−17 53.1	1.839	2.786	8.5	20.1
5 1	12 13.62	−16 44.6	1.893	2.788	11.5	20.3

496729 2016 GZ_{170} 3 30.0 129.°51 0.°5/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 55.60	−12 7.1	1.882	2.663	15.6	21.1
3 2	12 52.61	−10 47.5	1.793	2.666	12.3	20.8
3 12	12 47.48	− 9 4.6	1.727	2.670	8.4	20.6
3 22	12 40.79	− 7 3.0	1.687	2.673	4.0	20.3
4 1	12 33.36	− 4 50.8	1.677	2.676	0.8	20.1
4 11	12 26.16	− 2 38.8	1.696	2.678	5.3	20.4
4 21	12 20.08	− 0 37.0	1.743	2.681	9.5	20.7
5 1	12 15.79	+ 1 6.5	1.815	2.684	13.3	20.9

508511 2016 QE_{43} 3 30.0 247.°10 4.°1/ 4.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.21	−19 30.1	2.574	3.296	13.3	21.6
3 2	12 52.64	−19 36.7	2.470	3.292	11.2	21.4
3 12	12 47.32	−19 26.3	2.388	3.287	8.6	21.3
3 22	12 40.69	−18 58.8	2.330	3.283	6.0	21.1
4 1	12 33.38	−18 15.7	2.299	3.278	4.2	21.0
4 11	12 26.16	−17 20.8	2.297	3.273	4.7	21.0
4 21	12 19.74	−16 19.3	2.323	3.268	7.1	21.1
5 1	12 14.72	−15 17.0	2.375	3.264	9.8	21.3

210681 2000 RD_{74} 3 30.0 249.°79 1.°9/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.01	− 0 18.9	2.835	3.633	10.4	20.6
3 2	12 52.25	+ 0 34.4	2.725	3.613	8.0	20.4
3 12	12 46.95	+ 1 36.0	2.642	3.594	5.3	20.2
3 22	12 40.50	+ 2 42.1	2.586	3.573	2.6	20.0
4 1	12 33.43	+ 3 48.0	2.561	3.552	2.4	20.0
4 11	12 26.39	+ 4 48.5	2.566	3.531	5.2	20.1
4 21	12 20.00	+ 5 39.4	2.600	3.509	8.1	20.3
5 1	12 14.81	+ 6 17.4	2.659	3.487	10.8	20.4

135087 2001 QY_{46} 3 30.0 162.°06 3.°1/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.56	−14 40.8	2.398	3.143	13.6	20.2
3 2	12 55.27	−14 54.8	2.302	3.146	11.1	20.0
3 12	12 49.09	−14 54.1	2.229	3.147	8.2	19.8
3 22	12 41.49	−14 39.1	2.181	3.149	5.2	19.6
4 1	12 33.18	−14 11.5	2.162	3.151	3.1	19.5
4 11	12 25.01	−13 35.2	2.171	3.152	4.5	19.6
4 21	12 17.73	−12 54.9	2.208	3.153	7.4	19.8
5 1	12 12.01	−12 15.8	2.272	3.154	10.4	19.9

465707 2009 TR_{45} 3 30.0 188.°32 2.°8/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.24	+ 0 59.7	2.338	3.144	12.1	22.3
3 2	12 54.19	+ 2 11.1	2.251	3.143	9.3	22.1
3 12	12 48.32	+ 3 31.4	2.189	3.142	6.1	21.9
3 22	12 41.12	+ 4 55.2	2.155	3.140	3.3	21.7
4 1	12 33.28	+ 6 15.8	2.151	3.137	3.5	21.7
4 11	12 25.61	+ 7 26.6	2.176	3.134	6.4	21.9
4 21	12 18.84	+ 8 22.8	2.229	3.131	9.6	22.1
5 1	12 13.57	+ 9 1.5	2.306	3.126	12.5	22.2

52619 1997 VR_{2} 3 30.0 272.°57 5.°3/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.59	−18 50.8	1.800	2.547	17.4	19.2
3 2	12 56.12	−19 16.3	1.703	2.540	14.7	19.0
3 12	12 50.12	−19 20.2	1.625	2.534	11.4	18.8
3 22	12 42.11	−19 0.9	1.570	2.528	7.9	18.6
4 1	12 33.01	−18 19.6	1.540	2.522	5.5	18.4
4 11	12 23.99	−17 21.1	1.537	2.515	6.3	18.4
4 21	12 16.16	−16 12.9	1.560	2.509	9.6	18.6
5 1	12 10.41	−15 3.9	1.607	2.503	13.2	18.8

499184 2009 SU_{233} 3 30.0 189.°52 1.°0/29.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.42	− 1 48.5	2.362	3.149	12.6	22.3
3 2	12 58.17	− 1 33.5	2.268	3.148	9.8	22.1
3 12	12 50.98	− 1 10.6	2.199	3.147	6.5	21.9
3 22	12 42.34	− 0 42.8	2.157	3.145	2.9	21.7
4 1	12 32.98	− 0 14.1	2.145	3.142	1.5	21.5
4 11	12 23.79	+ 0 11.0	2.163	3.138	5.1	21.8
4 21	12 15.54	+ 0 28.9	2.210	3.134	8.6	22.0
5 1	12 8.91	+ 0 36.8	2.282	3.129	11.7	22.2

187337 2005 UW_{108} 3 30.0 180.°92 1.°8/27.9 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.48	− 1 17.1	2.354	3.152	12.3	21.9
3 2	12 55.12	− 0 26.5	2.266	3.153	9.5	21.7
3 12	12 48.92	+ 0 33.6	2.202	3.154	6.2	21.5
3 22	12 41.39	+ 1 38.6	2.166	3.154	2.9	21.3
4 1	12 33.22	+ 2 43.1	2.160	3.153	2.4	21.2
4 11	12 25.23	+ 3 41.1	2.184	3.152	5.6	21.4
4 21	12 18.16	+ 4 28.0	2.235	3.150	9.0	21.6
5 1	12 12.60	+ 5 0.5	2.311	3.148	11.9	21.8

219524 2001 QZ_{93} 3 30.0 194.°91 2.°3/ 1.7 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 0.68	−13 53.9	2.564	3.307	12.9	22.0
3 2	12 56.02	−13 44.1	2.460	3.304	10.5	21.8
3 12	12 49.54	−13 19.4	2.378	3.300	7.6	21.6
3 22	12 41.69	−12 40.7	2.323	3.296	4.5	21.4
4 1	12 33.15	−11 50.8	2.297	3.290	2.3	21.3
4 11	12 24.71	−10 54.0	2.302	3.284	4.1	21.4
4 21	12 17.10	− 9 55.6	2.335	3.277	7.2	21.5
5 1	12 10.96	− 9 1.0	2.395	3.270	10.3	21.7

35120 1992 EN_{7} 3 30.0 168.°13 3.°5/26.6 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 3.01	+ 2 46.1	1.928	2.739	14.2	19.0
3 2	12 58.21	+ 3 46.1	1.850	2.744	10.9	18.8
3 12	12 51.15	+ 4 54.0	1.796	2.749	7.3	18.6
3 22	12 42.45	+ 6 3.6	1.768	2.752	4.1	18.4
4 1	12 32.97	+ 7 7.3	1.770	2.755	4.3	18.4
4 11	12 23.78	+ 7 58.3	1.799	2.757	7.6	18.6
4 21	12 15.80	+ 8 32.1	1.856	2.759	11.2	18.8
5 1	12 9.73	+ 8 46.4	1.934	2.759	14.4	19.0

305552 2008 UC_{126} 3 30.0 5.°61 0.°6/29.7 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 1.88	− 2 45.6	1.169	2.002	20.0	20.5
3 2	12 58.78	− 2 56.4	1.098	2.002	15.7	20.3
3 12	12 52.31	− 2 53.8	1.045	2.002	10.6	20.0
3 22	12 43.20	− 2 41.4	1.014	2.004	4.8	19.6
4 1	12 32.77	− 2 24.9	1.007	2.006	1.6	19.4
4 11	12 22.70	− 2 11.7	1.025	2.009	7.5	19.8
4 21	12 14.49	− 2 7.8	1.065	2.013	13.1	20.1
5 1	12 9.19	− 2 17.6	1.124	2.017	17.8	20.4

299780 2006 SK_{72} 3 30.0 200.°41 0.°8/28.9 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 56.98	− 3 12.2	2.665	3.456	11.2	21.8
3 2	12 53.01	− 2 41.3	2.571	3.453	8.7	21.6
3 12	12 47.44	− 2 1.7	2.501	3.450	5.7	21.4
3 22	12 40.71	− 1 16.4	2.459	3.447	2.5	21.2
4 1	12 33.41	− 0 29.6	2.447	3.444	1.3	21.1
4 11	12 26.24	+ 0 14.2	2.464	3.440	4.5	21.3
4 21	12 19.83	+ 0 51.2	2.510	3.436	7.6	21.5
5 1	12 14.72	+ 1 18.2	2.581	3.431	10.4	21.7

334238 2001 TR_{94} 3 30.0 86.°92 2.°2/ 1.3 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 1.91	−13 13.8	1.962	2.723	15.7	21.5
3 2	12 57.17	−12 55.7	1.896	2.753	12.5	21.3
3 12	12 50.31	−12 19.6	1.852	2.782	8.9	21.2
3 22	12 41.99	−11 27.6	1.833	2.810	5.0	21.0
4 1	12 33.11	−10 24.6	1.843	2.838	2.2	20.8
4 11	12 24.67	− 9 17.1	1.881	2.866	4.6	21.1
4 21	12 17.49	− 8 11.9	1.948	2.892	8.3	21.3
5 1	12 12.20	− 7 15.0	2.039	2.919	11.6	21.6

178416 1998 RX_{48} 3 30.0 235.°58 0.°2/29.8 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 59.31	− 6 41.1	1.938	2.731	14.8	20.7
3 2	12 55.56	− 6 5.0	1.839	2.720	11.6	20.5
3 12	12 49.55	− 5 13.3	1.762	2.710	7.8	20.3
3 22	12 41.80	− 4 9.3	1.711	2.698	3.6	20.0
4 1	12 33.12	− 2 58.5	1.688	2.687	1.0	19.7
4 11	12 24.54	− 1 48.4	1.694	2.675	5.6	20.0
4 21	12 17.00	− 0 46.0	1.727	2.662	9.8	20.3
5 1	12 11.30	+ 0 3.0	1.783	2.649	13.6	20.5

317955 2003 WC_{161} 3 30.0 251.°84 1.°6/28.3 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 57.96	− 1 21.2	2.111	2.918	13.2	21.1
3 2	12 54.20	− 0 46.8	2.023	2.914	10.2	20.9
3 12	12 48.46	− 0 2.8	1.957	2.911	6.7	20.7
3 22	12 41.23	+ 0 46.7	1.919	2.907	3.1	20.4
4 1	12 33.29	+ 1 36.1	1.908	2.903	2.2	20.4
4 11	12 25.50	+ 2 19.8	1.927	2.900	5.8	20.6
4 21	12 18.70	+ 2 53.0	1.972	2.896	9.5	20.8
5 1	12 13.54	+ 3 12.4	2.040	2.892	12.7	21.0

412593 2014 OU_{65} 3 30.0 261.°49 3.°8/ 1.7 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 4.00	−13 42.8	1.672	2.439	17.8	22.3
3 2	12 59.97	−14 5.2	1.560	2.418	14.7	22.0
3 12	12 53.02	−14 8.7	1.469	2.396	10.9	21.7
3 22	12 43.60	−13 52.3	1.400	2.374	6.7	21.4
4 1	12 32.66	−13 16.9	1.358	2.350	3.8	21.2
4 11	12 21.52	−12 27.8	1.343	2.326	6.3	21.3
4 21	12 11.55	−11 32.3	1.354	2.302	10.8	21.4
5 1	12 3.91	−10 39.3	1.388	2.277	15.3	21.6

389224 2009 DF_{129} 3 30.0 131.°51 0.°5/29.3 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 55.53	− 5 39.4	2.564	3.352	11.7	21.3
3 2	12 51.90	− 4 50.6	2.480	3.360	9.1	21.1
3 12	12 46.69	− 3 50.6	2.420	3.368	6.0	20.9
3 22	12 40.36	− 2 43.0	2.387	3.375	2.6	20.7
4 1	12 33.53	− 1 32.8	2.385	3.383	1.1	20.6
4 11	12 26.89	− 0 25.4	2.412	3.390	4.4	20.9
4 21	12 21.05	+ 0 34.3	2.468	3.397	7.6	21.1
5 1	12 16.54	+ 1 22.5	2.549	3.403	10.4	21.3

162756 2000 WT_{82} 3 30.0 93.°38 1.°2/31.0 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 3.90	− 9 10.8	1.655	2.442	17.2	20.6
3 2	12 59.13	− 8 56.3	1.590	2.464	13.5	20.4
3 12	12 51.84	− 8 24.5	1.545	2.487	9.3	20.2
3 22	12 42.76	− 7 38.4	1.524	2.508	4.6	20.0
4 1	12 32.95	− 6 43.5	1.531	2.530	1.3	19.8
4 11	12 23.62	− 5 47.2	1.566	2.551	5.4	20.1
4 21	12 15.78	− 4 56.5	1.628	2.571	9.7	20.4
5 1	12 10.15	− 4 16.8	1.713	2.591	13.5	20.7

96477 1998 HA_{128} 3 30.0 24.°80 0.°1/30.1 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 59.14	− 5 59.4	1.286	2.109	19.1	19.4
3 2	12 56.27	− 5 49.4	1.216	2.114	15.0	19.2
3 12	12 50.40	− 5 21.4	1.166	2.120	10.1	18.9
3 22	12 42.26	− 4 39.5	1.139	2.127	4.7	18.6
4 1	12 33.05	− 3 50.3	1.136	2.134	1.1	18.4
4 11	12 24.23	− 3 2.7	1.158	2.143	6.7	18.8
4 21	12 17.08	− 2 24.4	1.203	2.151	11.9	19.1
5 1	12 12.50	− 2 1.4	1.270	2.160	16.4	19.4

431175 2006 RV_{122} 3 30.0 176.°50 2.°7/26.5 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 57.77	+ 3 57.6	2.801	3.605	10.4	21.9
3 2	12 53.48	+ 4 41.2	2.716	3.607	8.0	21.7
3 12	12 47.68	+ 5 29.0	2.657	3.609	5.3	21.5
3 22	12 40.80	+ 6 16.9	2.627	3.610	3.1	21.4
4 1	12 33.42	+ 7 0.6	2.626	3.610	3.2	21.4
4 11	12 26.21	+ 7 35.9	2.655	3.610	5.6	21.6
4 21	12 19.75	+ 7 59.8	2.712	3.610	8.3	21.7
5 1	12 14.54	+ 8 10.7	2.793	3.609	10.7	21.9

384242 2009 DN_{77} 3 30.0 345.°70 3.°9/ 2.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 58.75	−16 23.3	2.215	2.959	14.6	20.5
3 2	12 54.88	−16 44.7	2.119	2.958	12.1	20.3
3 12	12 48.96	−16 49.6	2.044	2.958	9.1	20.1
3 22	12 41.50	−16 37.8	1.994	2.957	6.1	19.9
4 1	12 33.24	−16 10.7	1.971	2.956	4.0	19.8
4 11	12 25.10	−15 32.3	1.976	2.956	5.0	19.9
4 21	12 17.91	−14 47.9	2.009	2.955	7.9	20.0
5 1	12 12.39	−14 3.4	2.067	2.955	11.0	20.2

99658 2002 HV_{9} 3 30.0 184.°21 0.°1/30.0 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 57.09	− 7 13.1	2.036	2.829	14.2	20.3
3 2	12 53.61	− 6 35.1	1.947	2.829	11.1	20.1
3 12	12 48.11	− 5 42.1	1.881	2.829	7.5	19.9
3 22	12 41.10	− 4 37.7	1.841	2.828	3.4	19.6
4 1	12 33.35	− 3 27.4	1.829	2.828	0.9	19.4
4 11	12 25.79	− 2 18.2	1.846	2.828	5.1	19.7
4 21	12 19.25	− 1 16.4	1.890	2.827	9.0	19.9
5 1	12 14.40	− 0 27.2	1.959	2.826	12.5	20.2

466699 2014 WF_{382} 3 30.0 75.°00 10.°8/20.5 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 8.29	+25 36.2	1.845	2.650	14.9	21.0
3 2	13 2.44	+26 40.7	1.792	2.654	12.8	20.8
3 12	12 53.98	+27 32.2	1.760	2.658	11.3	20.7
3 22	12 43.70	+28 1.5	1.753	2.663	10.8	20.7
4 1	12 32.75	+28 1.8	1.770	2.667	11.7	20.8
4 11	12 22.37	+27 30.3	1.811	2.671	13.5	20.9
4 21	12 13.61	+26 29.1	1.874	2.675	15.6	21.1
5 1	12 7.19	+25 2.8	1.956	2.679	17.6	21.2

496028 2008 SC_{9} 3 30.0 175.°77 0.°9/28.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 57.62	− 4 31.4	2.406	3.197	12.3	21.7
3 2	12 53.66	− 3 41.8	2.317	3.199	9.5	21.5
3 12	12 47.96	− 2 40.7	2.251	3.201	6.3	21.3
3 22	12 40.98	− 1 32.0	2.214	3.202	2.7	21.0
4 1	12 33.40	− 0 21.1	2.206	3.203	1.5	20.9
4 11	12 25.99	+ 0 46.2	2.227	3.203	4.9	21.2
4 21	12 19.45	+ 1 44.6	2.277	3.203	8.3	21.4
5 1	12 14.35	+ 2 30.1	2.353	3.202	11.3	21.6

87812 2000 SL_{146} 3 30.0 183.°10 1.°4/ 1.2 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 55.25	−13 9.3	3.085	3.831	10.8	20.4
3 2	12 51.49	−12 33.7	2.983	3.832	8.7	20.3
3 12	12 46.34	−11 44.9	2.905	3.832	6.2	20.1
3 22	12 40.21	−10 44.7	2.854	3.831	3.4	19.9
4 1	12 33.60	− 9 36.2	2.834	3.830	1.4	19.8
4 11	12 27.11	− 8 24.0	2.845	3.829	3.3	19.9
4 21	12 21.28	− 7 12.8	2.885	3.827	6.1	20.1
5 1	12 16.57	− 6 7.0	2.954	3.825	8.6	20.3

424134 2007 FK_{22} 3 30.0 289.°11 0.°6/29.5 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 1.78	− 2 55.6	1.825	2.629	15.1	21.3
3 2	12 57.64	− 2 53.2	1.729	2.617	11.9	21.1
3 12	12 51.06	− 2 40.6	1.654	2.605	8.0	20.8
3 22	12 42.55	− 2 20.6	1.605	2.593	3.6	20.5
4 1	12 33.01	− 1 57.7	1.583	2.581	1.3	20.3
4 11	12 23.55	− 1 37.1	1.589	2.570	5.9	20.6
4 21	12 15.23	− 1 23.7	1.622	2.558	10.3	20.8
5 1	12 8.91	− 1 21.2	1.678	2.547	14.2	21.1

9230 Yasuda 3 30.0 166.°52 0.°8/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.29	− 3 4.5	2.866	3.653	10.6	19.5
3 2	12 53.09	− 2 33.5	2.777	3.657	8.2	19.3
3 12	12 47.42	− 1 54.6	2.712	3.661	5.4	19.1
3 22	12 40.70	− 1 10.8	2.676	3.664	2.4	18.9
4 1	12 33.49	− 0 25.8	2.670	3.667	1.3	18.8
4 11	12 26.44	+ 0 16.3	2.694	3.669	4.2	19.1
4 21	12 20.10	+ 0 51.8	2.747	3.672	7.1	19.2
5 1	12 14.99	+ 1 18.0	2.826	3.673	9.7	19.4

22480 1997 GU_3 3 30.0 207.°97 1.°5/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.26	− 1 6.8	2.142	2.943	13.2	18.4
3 2	12 55.96	− 0 43.0	2.052	2.941	10.3	18.2
3 12	12 49.64	− 0 10.6	1.987	2.938	6.8	17.9
3 22	12 41.80	+ 0 26.7	1.947	2.936	3.1	17.7
4 1	12 33.23	+ 1 4.0	1.937	2.933	2.0	17.6
4 11	12 24.83	+ 1 36.2	1.955	2.930	5.6	17.8
4 21	12 17.43	+ 1 58.9	2.001	2.926	9.3	18.1
5 1	12 11.71	+ 2 9.4	2.071	2.923	12.6	18.3

58814 1998 GQ_6 3 30.0 155.°80 7.°0/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.38	+18 12.9	2.418	3.234	11.5	18.9
3 2	12 55.01	+19 20.2	2.354	3.236	9.4	18.7
3 12	12 48.83	+20 22.8	2.314	3.238	7.7	18.6
3 22	12 41.37	+21 14.0	2.301	3.239	7.1	18.6
4 1	12 33.35	+21 48.1	2.315	3.241	7.9	18.6
4 11	12 25.61	+22 1.4	2.355	3.242	9.7	18.7
4 21	12 18.84	+21 53.0	2.419	3.243	11.8	18.9
5 1	12 13.63	+21 23.9	2.504	3.244	13.8	19.0

391726 2008 CE_{130} 3 30.0 226.°41 1.°9/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 54.87	− 0 39.1	2.503	3.308	11.4	21.4
3 2	12 51.50	+ 0 15.1	2.414	3.306	8.8	21.2
3 12	12 46.51	+ 1 18.0	2.349	3.303	5.7	21.0
3 22	12 40.34	+ 2 25.2	2.313	3.300	2.8	20.8
4 1	12 33.60	+ 3 31.3	2.306	3.298	2.5	20.8
4 11	12 27.01	+ 4 30.8	2.328	3.295	5.4	21.0
4 21	12 21.20	+ 5 19.3	2.377	3.292	8.5	21.2
5 1	12 16.72	+ 5 53.8	2.451	3.289	11.3	21.3

250337 2003 SP_{142} 3 30.0 141.°18 1.°5/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.96	− 3 55.9	1.813	2.618	15.2	20.9
3 2	12 56.00	− 2 59.4	1.736	2.626	11.7	20.7
3 12	12 49.77	− 1 48.5	1.681	2.634	7.7	20.5
3 22	12 41.88	− 0 28.7	1.652	2.641	3.4	20.2
4 1	12 33.23	+ 0 52.4	1.652	2.648	2.2	20.2
4 11	12 24.88	+ 2 6.7	1.680	2.654	6.3	20.4
4 21	12 17.74	+ 3 7.5	1.734	2.660	10.4	20.7
5 1	12 12.54	+ 3 50.4	1.811	2.665	14.0	20.9

11421 Cardano 3 30.0 48.°92 1.°5/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.60	− 2 5.6	2.044	2.853	13.5	17.4
3 2	12 53.09	− 1 27.6	1.974	2.866	10.4	17.2
3 12	12 47.65	− 0 39.7	1.926	2.880	6.8	17.0
3 22	12 40.86	+ 0 13.6	1.905	2.893	3.0	16.8
4 1	12 33.49	+ 1 6.5	1.912	2.907	2.1	16.8
4 11	12 26.41	+ 1 53.3	1.947	2.921	5.6	17.0
4 21	12 20.38	+ 2 29.2	2.008	2.935	9.2	17.3
5 1	12 15.99	+ 2 51.4	2.094	2.950	12.3	17.5

290610 2005 UE_{211} 3 30.0 159.°72 0.°5/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.14	− 4 52.6	2.250	3.038	13.1	21.8
3 2	12 55.72	− 4 19.8	2.164	3.044	10.2	21.6
3 12	12 49.38	− 3 35.5	2.102	3.049	6.8	21.4
3 22	12 41.66	− 2 43.4	2.067	3.054	3.0	21.2
4 1	12 33.29	− 1 48.2	2.061	3.059	1.1	21.1
4 11	12 25.13	− 0 55.7	2.084	3.063	4.9	21.3
4 21	12 17.95	− 0 10.8	2.136	3.066	8.5	21.6
5 1	12 12.38	+ 0 22.6	2.213	3.069	11.7	21.8

464342 2016 AZ_{116} 3 30.0 352.°41 3.°8/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.08	−13 31.0	1.461	2.248	19.0	20.8
3 2	12 56.93	−13 53.4	1.377	2.246	15.6	20.5
3 12	12 50.90	−13 54.6	1.311	2.244	11.4	20.2
3 22	12 42.57	−13 34.3	1.268	2.243	7.0	20.0
4 1	12 33.05	−12 55.1	1.249	2.242	3.9	19.8
4 11	12 23.70	−12 3.7	1.256	2.242	6.2	19.9
4 21	12 15.83	−11 8.5	1.288	2.242	10.7	20.2
5 1	12 10.41	−10 18.3	1.342	2.242	15.0	20.4

201934 2004 DP_{50} 3 30.0 49.°65 0.°6/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.69	− 4 31.9	1.911	2.715	14.5	20.7
3 2	12 54.08	− 4 5.1	1.839	2.727	11.2	20.5
3 12	12 48.40	− 3 26.3	1.789	2.740	7.4	20.3
3 22	12 41.23	− 2 39.3	1.765	2.754	3.3	20.1
4 1	12 33.41	− 1 49.6	1.769	2.767	1.3	19.9
4 11	12 25.90	− 1 3.4	1.801	2.781	5.4	20.2
4 21	12 19.53	− 0 25.8	1.859	2.795	9.2	20.5
5 1	12 14.94	− 0 0.8	1.941	2.809	12.6	20.7

229982 1999 WG_{17} 3 30.0 76.°57 2.°3/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.31	+ 1 2.3	1.915	2.723	14.3	20.3
3 2	12 57.52	+ 1 29.4	1.851	2.744	11.0	20.1
3 12	12 50.60	+ 2 3.5	1.811	2.764	7.2	19.9
3 22	12 42.19	+ 2 39.8	1.797	2.784	3.5	19.7
4 1	12 33.20	+ 3 12.9	1.811	2.804	2.9	19.7
4 11	12 24.62	+ 3 37.6	1.854	2.824	6.3	20.0
4 21	12 17.31	+ 3 50.4	1.923	2.844	9.9	20.2
5 1	12 11.88	+ 3 49.4	2.016	2.864	13.0	20.5

517649 2015 BB_{543} 3 30.0 302.°41 2.°9/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.63	+ 1 38.6	1.831	2.651	14.4	21.5
3 2	12 55.11	+ 2 16.6	1.742	2.641	11.2	21.3
3 12	12 49.31	+ 3 3.4	1.676	2.632	7.4	21.1
3 22	12 41.74	+ 3 53.6	1.635	2.622	3.8	20.8
4 1	12 33.28	+ 4 40.6	1.622	2.613	3.6	20.8
4 11	12 24.97	+ 5 17.7	1.636	2.604	7.2	21.0
4 21	12 17.78	+ 5 40.2	1.675	2.595	11.2	21.2
5 1	12 12.48	+ 5 45.1	1.737	2.586	14.7	21.4

97978 2000 QS_{169} 3 30.0 174.°35 3.°4/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.66	−14 15.3	1.843	2.602	16.7	19.8
3 2	12 59.09	−14 27.3	1.752	2.604	13.6	19.6
3 12	12 52.01	−14 20.6	1.682	2.606	10.0	19.4
3 22	12 42.99	−13 55.4	1.636	2.608	6.1	19.1
4 1	12 32.98	−13 14.1	1.617	2.608	3.4	19.0
4 11	12 23.15	−12 22.2	1.626	2.609	5.4	19.1
4 21	12 14.56	−11 26.9	1.662	2.608	9.3	19.3
5 1	12 8.07	−10 35.3	1.722	2.608	13.0	19.5

423538 2005 UN_{205} 3 30.0 130.°81 2.°6/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.51	+ 1 41.8	2.054	2.862	13.5	22.3
3 2	12 56.89	+ 2 20.6	1.979	2.871	10.4	22.1
3 12	12 50.22	+ 3 6.5	1.928	2.881	6.9	21.9
3 22	12 42.07	+ 3 54.3	1.904	2.890	3.5	21.7
4 1	12 33.26	+ 4 38.4	1.908	2.898	3.2	21.7
4 11	12 24.76	+ 5 13.2	1.941	2.907	6.5	22.0
4 21	12 17.37	+ 5 34.9	2.001	2.915	9.9	22.2
5 1	12 11.75	+ 5 41.4	2.084	2.922	13.0	22.4

471905 2013 CX_{31} 3 30.0 102.°77 4.°9/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.47	+ 3 52.6	1.477	2.304	16.9	21.4
3 2	12 59.06	+ 5 8.3	1.419	2.322	12.9	21.1
3 12	12 51.94	+ 6 32.2	1.384	2.339	8.7	20.9
3 22	12 42.89	+ 7 55.1	1.373	2.356	5.3	20.8
4 1	12 33.08	+ 9 6.9	1.390	2.372	5.8	20.9
4 11	12 23.80	+ 9 59.2	1.433	2.388	9.4	21.1
4 21	12 16.16	+10 27.8	1.499	2.404	13.3	21.4
5 1	12 10.88	+10 31.8	1.587	2.418	16.7	21.6

95359 2002 CN_{144} 3 30.0 227.°24 5.°8/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.29	−20 45.6	2.166	2.882	15.7	20.1
3 2	12 57.88	−21 27.2	2.063	2.876	13.4	19.9
3 12	12 51.17	−21 50.6	1.980	2.870	10.6	19.7
3 22	12 42.64	−21 53.9	1.921	2.864	7.8	19.6
4 1	12 33.11	−21 36.8	1.888	2.857	5.9	19.4
4 11	12 23.59	−21 2.1	1.882	2.851	6.4	19.4
4 21	12 15.08	−20 15.3	1.904	2.843	8.8	19.6
5 1	12 8.40	−19 23.2	1.950	2.836	11.7	19.7

39700 1996 TO_9 3 30.1 81.°87 0.°4/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 10.13	− 1 18.8	1.817	2.608	15.7	18.8
3 2	13 3.91	− 1 46.8	1.737	2.617	12.3	18.6
3 12	12 55.10	− 2 8.1	1.679	2.626	8.2	18.4
3 22	12 44.36	− 2 25.0	1.648	2.635	3.7	18.1
4 1	12 32.73	− 2 39.9	1.645	2.644	1.1	18.0
4 11	12 21.44	− 2 56.2	1.673	2.653	5.7	18.3
4 21	12 11.57	− 3 16.5	1.728	2.661	9.9	18.6
5 1	12 3.94	− 3 43.2	1.807	2.670	13.6	18.8

429172 2009 VO_{69} 3 30.1 86.°55 4.°1/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.99	+ 5 48.8	1.891	2.709	14.1	20.9
3 2	12 57.41	+ 6 28.8	1.823	2.720	10.9	20.8
3 12	12 50.63	+ 7 12.5	1.778	2.730	7.4	20.6
3 22	12 42.27	+ 7 54.1	1.759	2.741	4.5	20.4
4 1	12 33.25	+ 8 27.2	1.769	2.751	4.7	20.4
4 11	12 24.59	+ 8 46.7	1.805	2.761	7.7	20.6
4 21	12 17.18	+ 8 49.6	1.868	2.771	11.1	20.9
5 1	12 11.68	+ 8 35.3	1.953	2.782	14.1	21.1

498725 2008 TG_{115} 3 30.1 171.°62 3.°1/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.03	−17 57.0	2.606	3.332	13.1	22.4
3 2	12 53.97	−17 39.4	2.507	3.336	10.8	22.2
3 12	12 48.19	−17 4.3	2.430	3.339	8.1	22.0
3 22	12 41.16	−16 12.7	2.379	3.341	5.3	21.8
4 1	12 33.52	−15 7.2	2.356	3.343	3.2	21.7
4 11	12 26.04	−13 52.7	2.363	3.344	4.2	21.8
4 21	12 19.39	−12 35.0	2.399	3.345	6.9	21.9
5 1	12 14.15	−11 20.2	2.463	3.345	9.7	22.1

150883 2001 SE_{242} 3 30.1 114.°84 1.°2/29.1 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 5.76	− 1 8.6	2.017	2.811	14.2	20.5
3 2	13 0.18	− 1 1.0	1.943	2.826	11.0	20.3
3 12	12 52.41	− 0 45.5	1.892	2.841	7.3	20.1
3 22	12 43.08	− 0 25.6	1.867	2.855	3.2	19.9
4 1	12 33.08	− 0 5.6	1.872	2.869	1.7	19.8
4 11	12 23.43	+ 0 10.0	1.907	2.883	5.6	20.0
4 21	12 15.02	+ 0 17.6	1.969	2.896	9.3	20.3
5 1	12 8.52	+ 0 14.9	2.055	2.909	12.6	20.5

274986 2009 TY_6 3 30.1 150.°82 3.°1/ 1.9 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 1.36	−13 53.1	2.039	2.796	15.3	20.9
3 2	12 57.04	−14 5.9	1.949	2.800	12.5	20.7
3 12	12 50.51	−14 2.0	1.880	2.803	9.1	20.5
3 22	12 42.30	−13 41.9	1.835	2.807	5.6	20.3
4 1	12 33.25	−13 7.9	1.818	2.810	3.1	20.2
4 11	12 24.38	−12 24.8	1.830	2.813	4.9	20.3
4 21	12 16.60	−11 38.5	1.868	2.815	8.4	20.5
5 1	12 10.65	−10 55.1	1.932	2.817	11.8	20.7

351930 2006 TM_{24} 3 30.1 238.°65 2.°3/ 1.9 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 55.75	−14 41.6	2.554	3.303	12.8	21.1
3 2	12 52.30	−14 20.3	2.447	3.295	10.4	20.9
3 12	12 47.15	−13 42.8	2.363	3.286	7.6	20.7
3 22	12 40.72	−12 50.3	2.305	3.277	4.5	20.5
4 1	12 33.64	−11 45.9	2.275	3.268	2.3	20.3
4 11	12 26.64	−10 34.7	2.275	3.259	4.0	20.4
4 21	12 20.42	− 9 22.3	2.304	3.250	7.1	20.6
5 1	12 15.55	− 8 14.4	2.359	3.240	10.1	20.8

237619 2001 RF_{52} 3 30.1 270.°28 0.°2/30.2 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 0.42	− 7 27.4	1.548	2.351	17.4	21.4
3 2	12 57.24	− 7 0.4	1.444	2.331	13.9	21.1
3 12	12 51.22	− 6 13.5	1.361	2.310	9.5	20.8
3 22	12 42.85	− 5 9.5	1.301	2.288	4.5	20.5
4 1	12 33.09	− 3 54.5	1.267	2.266	1.0	20.1
4 11	12 23.26	− 2 37.5	1.261	2.244	6.6	20.5
4 21	12 14.66	− 1 28.1	1.279	2.221	11.9	20.7
5 1	12 8.38	− 0 34.3	1.319	2.198	16.6	20.9

242584 2005 GW_{138} 3 30.1 293.°59 2.°9/ 2.0 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 56.42	−14 37.8	2.129	2.889	14.6	20.9
3 2	12 53.35	−14 32.2	2.011	2.864	12.1	20.6
3 12	12 48.18	−14 8.4	1.914	2.840	8.9	20.4
3 22	12 41.32	−13 26.6	1.842	2.815	5.5	20.1
4 1	12 33.48	−12 29.2	1.797	2.790	2.9	19.9
4 11	12 25.59	−11 21.5	1.781	2.765	4.8	20.0
4 21	12 18.55	−10 10.2	1.791	2.740	8.5	20.1
5 1	12 13.16	− 9 2.6	1.827	2.716	12.2	20.3

192544 1998 SM_{157} 3 30.1 166.°84 1.°2/28.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 3.44	− 3 47.4	1.819	2.617	15.4	21.5
3 2	12 58.78	− 3 6.0	1.736	2.622	12.0	21.3
3 12	12 51.71	− 2 10.9	1.676	2.627	7.9	21.1
3 22	12 42.85	− 1 7.1	1.642	2.631	3.5	20.8
4 1	12 33.14	− 0 1.0	1.637	2.634	1.9	20.7
4 11	12 23.70	+ 0 59.8	1.660	2.636	6.2	21.0
4 21	12 15.53	+ 1 48.9	1.710	2.637	10.4	21.2
5 1	12 9.38	+ 2 22.2	1.783	2.638	14.1	21.5

332359 2007 ES_{29} 3 30.1 241.°12 1.°3/28.9 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 0.64	− 2 7.0	2.013	2.815	14.0	21.5
3 2	12 56.50	− 1 42.9	1.918	2.807	10.9	21.2
3 12	12 50.17	− 1 8.6	1.847	2.798	7.2	21.0
3 22	12 42.18	− 0 27.7	1.802	2.790	3.2	20.7
4 1	12 33.32	+ 0 14.5	1.785	2.781	1.9	20.6
4 11	12 24.58	+ 0 52.3	1.796	2.772	5.8	20.8
4 21	12 16.87	+ 1 20.7	1.835	2.763	9.8	21.1
5 1	12 10.96	+ 1 36.1	1.897	2.754	13.3	21.3

5834 1992 SZ_{14} 3 30.1 267.°24 3.°2/ 2.7 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 56.16	−16 34.7	2.215	2.964	14.5	16.9
3 2	12 52.95	−16 22.1	2.110	2.954	11.9	16.7
3 12	12 47.76	−15 50.2	2.026	2.945	8.9	16.5
3 22	12 41.07	−14 59.6	1.967	2.935	5.6	16.3
4 1	12 33.58	−13 53.4	1.935	2.925	3.3	16.1
4 11	12 26.17	−12 36.9	1.932	2.915	4.6	16.2
4 21	12 19.67	−11 17.1	1.956	2.905	7.9	16.3
5 1	12 14.75	−10 1.0	2.006	2.896	11.3	16.5

335118 2004 TG_{250} 3 30.1 287.°43 2.°9/ 2.1 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 55.53	−15 50.5	1.899	2.664	16.0	21.1
3 2	12 52.85	−15 25.5	1.792	2.647	13.2	20.8
3 12	12 47.92	−14 37.3	1.704	2.631	9.7	20.6
3 22	12 41.22	−13 26.9	1.641	2.615	5.9	20.3
4 1	12 33.54	−11 57.9	1.605	2.599	3.0	20.1
4 11	12 25.89	−10 18.0	1.597	2.583	5.1	20.2
4 21	12 19.26	− 8 36.4	1.615	2.566	9.1	20.4
5 1	12 14.47	− 7 2.1	1.659	2.550	13.1	20.6

182699 2001 VM_{100} 3 30.1 128.°17 8.°3/19.2 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 0.85	+23 49.6	2.484	3.290	11.5	20.3
3 2	12 56.13	+25 3.4	2.432	3.296	9.8	20.2
3 12	12 49.59	+26 8.4	2.404	3.303	8.6	20.1
3 22	12 41.78	+26 57.9	2.401	3.309	8.4	20.1
4 1	12 33.45	+27 26.6	2.425	3.315	9.2	20.1
4 11	12 25.46	+27 31.4	2.474	3.320	10.7	20.2
4 21	12 18.51	+27 12.5	2.545	3.326	12.5	20.4
5 1	12 13.15	+26 31.9	2.635	3.331	14.1	20.5

52579 1997 NH 3 30.1 119.°47 1.°2/28.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 0.44	− 3 49.5	1.961	2.760	14.4	20.4
3 2	12 56.18	− 3 4.5	1.887	2.774	11.1	20.2
3 12	12 49.81	− 2 7.3	1.836	2.787	7.3	20.0
3 22	12 41.94	− 1 2.5	1.812	2.800	3.2	19.7
4 1	12 33.42	+ 0 3.6	1.816	2.813	1.8	19.7
4 11	12 25.21	+ 1 4.0	1.849	2.825	5.7	19.9
4 21	12 18.16	+ 1 53.3	1.909	2.837	9.5	20.2
5 1	12 12.92	+ 2 27.6	1.993	2.848	12.9	20.4

278637 2008 RF_2 3 30.1 168.°57 0.°2/29.9 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 59.52	− 5 24.3	2.053	2.847	14.0	21.0
3 2	12 55.52	− 5 4.8	1.966	2.848	11.0	20.8
3 12	12 49.44	− 4 33.1	1.901	2.849	7.4	20.6
3 22	12 41.82	− 3 52.4	1.862	2.849	3.3	20.4
4 1	12 33.44	− 3 7.4	1.851	2.850	0.9	20.2
4 11	12 25.25	− 2 23.6	1.869	2.850	5.1	20.5
4 21	12 18.10	− 1 46.3	1.915	2.851	9.0	20.7
5 1	12 12.67	− 1 19.7	1.984	2.851	12.4	20.9

111999 2002 GB_{134} 3 30.1 192.°78 0.°8/30.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 1.23	− 9 31.6	2.067	2.841	14.6	20.8
3 2	12 56.90	− 9 0.2	1.971	2.840	11.6	20.5
3 12	12 50.41	− 8 12.4	1.898	2.837	8.0	20.3
3 22	12 42.28	− 7 10.8	1.850	2.834	3.9	20.1
4 1	12 33.32	− 6 0.2	1.832	2.830	0.9	19.8
4 11	12 24.52	− 4 47.6	1.843	2.826	4.9	20.1
4 21	12 16.76	− 3 39.7	1.881	2.820	8.9	20.3
5 1	12 10.77	− 2 42.5	1.945	2.814	12.5	20.5

354878 2006 BW_{72} 3 30.1 347.°63 0.°2/29.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 0.95	− 4 34.2	1.273	2.098	19.2	20.9
3 2	12 57.93	− 4 33.2	1.195	2.094	15.2	20.6
3 12	12 51.76	− 4 16.5	1.136	2.091	10.3	20.3
3 22	12 43.09	− 3 47.3	1.100	2.088	4.7	20.0
4 1	12 33.12	− 3 11.9	1.088	2.086	1.2	19.8
4 11	12 23.39	− 2 38.1	1.100	2.085	7.1	20.1
4 21	12 15.33	− 2 13.3	1.136	2.084	12.5	20.4
5 1	12 9.96	− 2 3.1	1.193	2.083	17.2	20.7

184097 2004 HQ_4 3 30.1 78.°16 5.°4/26.1 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	13 6.63	+ 9 1.1	1.654	2.475	15.6	19.9
3 2	13 1.25	+ 9 34.7	1.593	2.490	12.2	19.7
3 12	12 53.30	+10 8.9	1.555	2.505	8.5	19.5
3 22	12 43.53	+10 36.7	1.543	2.519	5.7	19.4
4 1	12 33.06	+10 51.4	1.557	2.534	6.1	19.5
4 11	12 23.12	+10 48.5	1.599	2.549	9.1	19.7
4 21	12 14.75	+10 26.5	1.665	2.564	12.5	19.9
5 1	12 8.66	+ 9 46.3	1.754	2.578	15.6	20.1

177907 2005 SF_{67} 3 30.1 285.°10 0.°4/29.7 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 58.49	− 4 0.7	2.347	3.138	12.5	20.0
3 2	12 54.61	− 3 48.8	2.239	3.121	9.8	19.8
3 12	12 48.81	− 3 27.3	2.155	3.103	6.6	19.5
3 22	12 41.56	− 2 58.8	2.097	3.085	3.0	19.3
4 1	12 33.50	− 2 26.8	2.068	3.066	1.0	19.1
4 11	12 25.47	− 1 56.0	2.068	3.048	4.8	19.3
4 21	12 18.25	− 1 30.7	2.096	3.030	8.4	19.5
5 1	12 12.51	− 1 14.4	2.149	3.012	11.7	19.7

90153 2002 YW_{23} 3 30.1 12.°35 5.°4/24.1 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 57.50	+ 9 55.2	2.109	2.935	12.5	19.3
3 2	12 53.85	+10 59.2	2.037	2.936	9.8	19.1
3 12	12 48.25	+12 4.7	1.989	2.937	7.1	19.0
3 22	12 41.25	+13 5.0	1.968	2.937	5.5	18.9
4 1	12 33.60	+13 53.4	1.974	2.939	6.2	18.9
4 11	12 26.19	+14 24.6	2.007	2.940	8.7	19.0
4 21	12 19.81	+14 35.9	2.065	2.941	11.5	19.2
5 1	12 15.06	+14 26.8	2.144	2.942	14.1	19.4

5422 Hodgkin 3 30.1 126.°65 1.°1/28.8 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 21	12 59.95	− 1 46.6	2.652	3.440	11.3	18.2
3 2	12 55.22	− 1 19.5	2.574	3.456	8.7	18.0
3 12	12 48.89	− 0 45.1	2.522	3.471	5.7	17.9
3 22	12 41.46	− 0 6.8	2.497	3.485	2.6	17.7
4 1	12 33.56	+ 0 31.4	2.503	3.499	1.6	17.6
4 11	12 25.89	+ 1 5.6	2.539	3.513	4.6	17.8
4 21	12 19.07	+ 1 32.2	2.603	3.526	7.6	18.1
5 1	12 13.62	+ 1 48.8	2.694	3.538	10.2	18.3

104603 2000 GQ_{97} 3 30.1 28.°01 1.°8/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.52	− 1 16.9	2.041	2.850	13.5	19.4
3 2	12 53.95	− 0 39.2	1.958	2.851	10.4	19.2
3 12	12 48.37	+ 0 8.2	1.899	2.853	6.9	19.0
3 22	12 41.33	+ 1 1.0	1.866	2.854	3.2	18.7
4 1	12 33.58	+ 1 53.4	1.861	2.856	2.4	18.7
4 11	12 26.04	+ 2 39.3	1.884	2.857	5.9	18.9
4 21	12 19.53	+ 3 13.9	1.934	2.859	9.6	19.1
5 1	12 14.68	+ 3 34.0	2.007	2.860	12.8	19.4

47778 2000 EX_{10} 3 30.1 224.°47 0.°6/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.60	− 4 5.5	2.372	3.163	12.4	19.7
3 2	12 54.57	− 3 39.7	2.275	3.157	9.7	19.5
3 12	12 48.71	− 3 3.6	2.202	3.150	6.5	19.3
3 22	12 41.47	− 2 20.4	2.155	3.143	2.9	19.1
4 1	12 33.54	− 1 34.3	2.138	3.135	1.2	18.9
4 11	12 25.72	− 0 50.4	2.150	3.128	4.8	19.1
4 21	12 18.75	− 0 13.3	2.189	3.120	8.3	19.3
5 1	12 13.27	+ 0 13.4	2.254	3.112	11.5	19.5

519865 2013 NS_{29} 3 30.1 173.°50 0.°6/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.95	− 7 28.5	1.918	2.705	15.1	22.2
3 2	12 56.82	− 7 15.9	1.830	2.707	11.9	22.0
3 12	12 50.41	− 6 49.1	1.764	2.708	8.1	21.8
3 22	12 42.30	− 6 10.6	1.723	2.708	3.9	21.5
4 1	12 33.34	− 5 24.9	1.710	2.709	0.9	21.3
4 11	12 24.58	− 4 38.1	1.726	2.709	5.1	21.6
4 21	12 16.95	− 3 55.9	1.768	2.709	9.3	21.8
5 1	12 11.21	− 3 23.5	1.835	2.709	12.9	22.0

384235 2009 DO_{57} 3 30.1 192.°87 2.°6/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 55.53	+ 1 2.9	2.361	3.172	11.9	20.9
3 2	12 52.14	+ 2 5.7	2.276	3.172	9.1	20.7
3 12	12 47.04	+ 3 16.8	2.217	3.171	6.0	20.5
3 22	12 40.69	+ 4 30.9	2.185	3.170	3.2	20.3
4 1	12 33.74	+ 5 42.1	2.182	3.170	3.3	20.3
4 11	12 26.96	+ 6 44.2	2.208	3.169	6.2	20.5
4 21	12 21.03	+ 7 32.8	2.261	3.168	9.3	20.7
5 1	12 16.51	+ 8 5.1	2.337	3.167	12.1	20.9

341181 2007 RW_{18} 3 30.1 140.°29 2.°9/ 2.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.64	−13 50.8	2.216	2.971	14.3	20.4
3 2	12 55.55	−14 1.3	2.123	2.973	11.6	20.2
3 12	12 49.44	−13 56.2	2.052	2.976	8.5	20.0
3 22	12 41.83	−13 36.2	2.007	2.978	5.2	19.8
4 1	12 33.46	−13 3.5	1.989	2.980	2.9	19.7
4 11	12 25.24	−12 22.6	1.999	2.982	4.6	19.8
4 21	12 17.99	−11 38.6	2.037	2.984	7.8	20.0
5 1	12 12.40	−10 57.2	2.101	2.986	11.0	20.2

86505 2000 DS_{42} 3 30.1 169.°23 2.°3/27.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.63	− 1 40.5	1.764	2.571	15.4	20.3
3 2	12 58.23	− 0 41.8	1.684	2.575	11.9	20.1
3 12	12 51.40	+ 0 29.9	1.626	2.579	7.8	19.9
3 22	12 42.75	+ 1 48.7	1.595	2.582	3.7	19.6
4 1	12 33.25	+ 3 6.5	1.591	2.585	3.1	19.6
4 11	12 24.02	+ 4 15.0	1.616	2.586	7.1	19.8
4 21	12 16.07	+ 5 7.8	1.668	2.587	11.2	20.1
5 1	12 10.18	+ 5 41.2	1.742	2.587	14.8	20.3

519323 2011 EF_{90} 3 30.1 151.°10 1.°1/31.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.57	− 9 47.4	2.183	2.958	13.9	21.8
3 2	12 54.67	− 9 26.2	2.094	2.962	11.0	21.6
3 12	12 48.81	− 8 50.2	2.028	2.966	7.6	21.4
3 22	12 41.52	− 8 1.8	1.987	2.970	3.9	21.2
4 1	12 33.55	− 7 5.2	1.976	2.974	1.1	21.0
4 11	12 25.76	− 6 6.1	1.993	2.977	4.4	21.3
4 21	12 18.95	− 5 10.5	2.038	2.980	8.1	21.5
5 1	12 13.76	− 4 23.3	2.108	2.983	11.5	21.7

65985 1998 HX_{146} 3 30.1 339.°20 8.°3/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.55	+12 44.1	1.525	2.371	15.5	18.3
3 2	12 53.98	+14 14.4	1.455	2.362	12.4	18.1
3 12	12 48.80	+15 45.8	1.408	2.354	9.6	17.9
3 22	12 41.64	+17 7.6	1.385	2.346	8.3	17.8
4 1	12 33.52	+18 9.1	1.386	2.340	9.5	17.9
4 11	12 25.68	+18 42.5	1.411	2.334	12.4	18.0
4 21	12 19.20	+18 45.0	1.458	2.328	15.7	18.2
5 1	12 14.91	+18 17.4	1.523	2.324	18.7	18.4

72465 2001 DN_{23} 3 30.1 251.°33 3.°0/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.69	+ 1 31.3	2.019	2.835	13.4	19.6
3 2	12 54.15	+ 2 25.3	1.934	2.831	10.3	19.4
3 12	12 48.56	+ 3 28.1	1.872	2.827	6.8	19.1
3 22	12 41.44	+ 4 34.1	1.837	2.823	3.6	18.9
4 1	12 33.58	+ 5 36.6	1.830	2.819	3.7	18.9
4 11	12 25.89	+ 6 29.0	1.851	2.815	6.9	19.1
4 21	12 19.21	+ 7 6.3	1.898	2.810	10.5	19.3
5 1	12 14.24	+ 7 25.9	1.968	2.806	13.7	19.5

488523 2001 QE_{217} 3 30.1 201.°94 2.°0/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.76	− 1 59.7	1.967	2.766	14.3	22.9
3 2	12 58.19	− 1 6.8	1.874	2.761	11.1	22.7
3 12	12 51.34	− 0 1.4	1.804	2.756	7.4	22.4
3 22	12 42.75	+ 1 11.5	1.761	2.749	3.4	22.2
4 1	12 33.26	+ 2 24.8	1.748	2.742	2.7	22.1
4 11	12 23.92	+ 3 31.2	1.763	2.733	6.5	22.3
4 21	12 15.68	+ 4 24.4	1.805	2.724	10.5	22.5
5 1	12 9.32	+ 5 0.4	1.872	2.714	14.1	22.7

365878 2011 UO_{315} 3 30.1 46.°21 0.°3/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.85	− 7 24.5	1.352	2.170	18.7	21.0
3 2	12 55.15	− 6 42.2	1.283	2.179	14.6	20.8
3 12	12 49.64	− 5 38.7	1.234	2.187	9.8	20.5
3 22	12 42.03	− 4 19.4	1.208	2.197	4.4	20.2
4 1	12 33.47	− 2 53.1	1.208	2.206	1.2	20.0
4 11	12 25.30	− 1 30.5	1.233	2.217	6.7	20.4
4 21	12 18.69	− 0 21.1	1.283	2.227	11.7	20.7
5 1	12 14.49	+ 0 28.6	1.354	2.237	16.0	21.0

122356 2000 QW_{48} 3 30.1 108.°34 2.°9/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.39	+ 0 11.3	2.021	2.832	13.6	19.8
3 2	12 54.51	+ 1 28.2	1.953	2.848	10.3	19.6
3 12	12 48.67	+ 2 55.0	1.909	2.863	6.8	19.4
3 22	12 41.44	+ 4 24.9	1.892	2.878	3.5	19.2
4 1	12 33.62	+ 5 50.4	1.905	2.893	3.6	19.3
4 11	12 26.12	+ 7 4.0	1.946	2.907	6.8	19.5
4 21	12 19.71	+ 8 0.7	2.014	2.921	10.2	19.7
5 1	12 15.00	+ 8 37.8	2.105	2.935	13.2	19.9

500521 2012 TB_{306} 3 30.1 140.°54 1.°2/31.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.70	−10 34.2	2.580	3.343	12.3	22.5
3 2	12 53.66	−10 13.2	2.491	3.352	9.7	22.3
3 12	12 47.98	− 9 39.2	2.426	3.360	6.8	22.2
3 22	12 41.12	− 8 54.3	2.387	3.368	3.6	22.0
4 1	12 33.71	− 8 1.9	2.378	3.375	1.2	21.8
4 11	12 26.48	− 7 6.9	2.399	3.382	3.8	22.0
4 21	12 20.08	− 6 13.9	2.448	3.389	7.0	22.2
5 1	12 15.04	− 5 27.5	2.523	3.396	9.9	22.4

274495 2008 SD_{125} 3 30.1 307.°91 1.°8/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.48	+ 0 38.9	1.685	2.499	15.7	19.9
3 2	12 59.43	+ 0 35.8	1.579	2.473	12.4	19.6
3 12	12 52.62	+ 0 39.9	1.494	2.448	8.4	19.3
3 22	12 43.54	+ 0 47.4	1.434	2.422	3.9	19.0
4 1	12 33.09	+ 0 53.8	1.401	2.397	2.4	18.8
4 11	12 22.54	+ 0 53.8	1.395	2.372	7.0	19.0
4 21	12 13.15	+ 0 43.2	1.415	2.348	11.7	19.2
5 1	12 5.95	+ 0 19.3	1.457	2.324	16.0	19.4

92898 2000 RS_{3} 3 30.1 201.°81 1.°2/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.87	− 3 15.7	2.448	3.239	12.1	21.1
3 2	12 54.71	− 2 27.3	2.352	3.235	9.4	20.9
3 12	12 48.77	− 1 28.2	2.280	3.230	6.2	20.7
3 22	12 41.52	− 0 22.3	2.236	3.224	2.8	20.5
4 1	12 33.61	+ 0 45.2	2.222	3.217	1.8	20.4
4 11	12 25.82	+ 1 48.5	2.237	3.210	5.1	20.6
4 21	12 18.86	+ 2 42.5	2.281	3.203	8.5	20.8
5 1	12 13.35	+ 3 23.7	2.350	3.194	11.5	21.0

424821 2008 UG_{161} 3 30.1 71.°46 1.°6/31.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.62	−10 37.5	1.956	2.735	15.1	21.5
3 2	12 54.94	−10 28.1	1.872	2.741	12.1	21.3
3 12	12 49.13	−10 2.6	1.810	2.747	8.5	21.1
3 22	12 41.73	− 9 22.9	1.772	2.754	4.5	20.8
4 1	12 33.57	− 8 33.2	1.763	2.760	1.6	20.6
4 11	12 25.64	− 7 39.3	1.781	2.766	4.7	20.9
4 21	12 18.81	− 6 47.6	1.827	2.773	8.6	21.1
5 1	12 13.77	− 6 3.7	1.897	2.779	12.1	21.3

61690 2000 QV_{127} 3 30.1 215.°13 0.°3/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.22	− 6 14.9	2.393	3.168	12.8	19.9
3 2	12 57.41	− 6 6.2	2.289	3.160	10.1	19.6
3 12	12 50.66	− 5 46.9	2.210	3.152	6.9	19.4
3 22	12 42.42	− 5 19.0	2.157	3.143	3.3	19.2
4 1	12 33.40	− 4 45.8	2.134	3.133	0.7	18.9
4 11	12 24.46	− 4 11.9	2.141	3.123	4.5	19.2
4 21	12 16.39	− 3 41.5	2.177	3.112	8.1	19.4
5 1	12 9.87	− 3 18.6	2.238	3.100	11.4	19.6

498632 2008 RZ_{134} 3 30.1 171.°72 0.°2/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.52	− 6 57.5	2.648	3.421	11.8	22.9
3 2	12 55.03	− 6 32.3	2.555	3.425	9.2	22.7
3 12	12 48.89	− 5 56.2	2.487	3.428	6.2	22.5
3 22	12 41.54	− 5 11.9	2.445	3.431	2.9	22.3
4 1	12 33.63	− 4 23.1	2.434	3.433	0.6	22.1
4 11	12 25.86	− 3 34.2	2.453	3.434	4.0	22.4
4 21	12 18.90	− 2 49.7	2.502	3.435	7.3	22.6
5 1	12 13.31	− 2 13.3	2.576	3.436	10.1	22.8

64094 2001 SE_{293} 3 30.1 105.°94 1.°7/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.87	−12 5.4	2.481	3.240	12.8	20.8
3 2	12 53.85	−11 51.5	2.398	3.254	10.3	20.6
3 12	12 48.12	−11 23.6	2.337	3.267	7.3	20.4
3 22	12 41.19	−10 43.6	2.303	3.281	4.0	20.3
4 1	12 33.72	− 9 54.7	2.298	3.294	1.7	20.1
4 11	12 26.46	− 9 1.6	2.322	3.307	3.9	20.3
4 21	12 20.08	− 8 9.5	2.375	3.319	7.0	20.5
5 1	12 15.14	− 7 22.8	2.454	3.332	9.9	20.7

372014 2008 LA_7 3 30.1 28.°49 1.°7/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 54.39	−14 8.0	1.583	2.371	17.7	20.7
3 2	12 52.17	−13 13.5	1.502	2.375	14.2	20.5
3 12	12 47.52	−11 52.4	1.441	2.380	10.1	20.2
3 22	12 41.06	−10 8.1	1.404	2.385	5.4	20.0
4 1	12 33.74	− 8 8.5	1.393	2.391	1.7	19.7
4 11	12 26.70	− 6 4.8	1.410	2.397	5.4	20.0
4 21	12 20.95	− 4 8.6	1.453	2.403	10.1	20.3
5 1	12 17.24	− 2 29.3	1.520	2.410	14.2	20.5

282006 2011 HZ_{55} 3 30.1 305.°52 2.°9/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.00	+ 1 54.0	1.946	2.762	13.8	20.8
3 2	12 55.23	+ 2 34.9	1.863	2.760	10.7	20.6
3 12	12 49.32	+ 3 23.6	1.804	2.759	7.1	20.4
3 22	12 41.82	+ 4 14.9	1.771	2.757	3.7	20.2
4 1	12 33.56	+ 5 2.3	1.765	2.755	3.5	20.2
4 11	12 25.50	+ 5 39.9	1.788	2.754	6.9	20.4
4 21	12 18.52	+ 6 3.3	1.836	2.752	10.5	20.6
5 1	12 13.33	+ 6 10.0	1.907	2.750	13.8	20.8

435397 2007 YN_{53} 3 30.1 101.°20 1.°3/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.58	− 2 21.7	2.379	3.179	12.1	21.7
3 2	12 52.91	− 1 43.3	2.297	3.185	9.3	21.5
3 12	12 47.54	− 0 55.7	2.238	3.190	6.1	21.3
3 22	12 40.94	− 0 2.8	2.207	3.196	2.7	21.1
4 1	12 33.78	+ 0 50.5	2.205	3.201	1.8	21.1
4 11	12 26.80	+ 1 39.0	2.232	3.206	5.0	21.3
4 21	12 20.70	+ 2 18.3	2.287	3.211	8.3	21.5
5 1	12 16.02	+ 2 45.4	2.366	3.217	11.2	21.7

289428 2005 EA_{19} 3 30.1 282.°16 1.°6/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.41	− 4 19.9	1.597	2.413	16.3	21.4
3 2	12 54.62	− 3 26.1	1.506	2.402	12.8	21.1
3 12	12 49.28	− 2 14.4	1.435	2.390	8.5	20.9
3 22	12 41.94	− 0 50.1	1.390	2.379	3.8	20.6
4 1	12 33.52	+ 0 38.5	1.371	2.367	2.4	20.4
4 11	12 25.22	+ 2 1.5	1.379	2.356	7.1	20.7
4 21	12 18.14	+ 3 10.3	1.412	2.345	11.8	20.9
5 1	12 13.18	+ 3 58.8	1.467	2.333	16.0	21.1

507428 2012 QL_{37} 3 30.1 227.°22 3.°7/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.20	−17 26.5	2.459	3.189	13.7	22.4
3 2	12 55.16	−17 33.3	2.350	3.181	11.4	22.2
3 12	12 49.20	−17 23.6	2.263	3.171	8.6	22.0
3 22	12 41.78	−16 57.2	2.201	3.162	5.8	21.8
4 1	12 33.58	−16 15.8	2.167	3.152	3.8	21.6
4 11	12 25.42	−15 23.2	2.162	3.141	4.7	21.7
4 21	12 18.09	−14 24.8	2.185	3.131	7.5	21.8
5 1	12 12.26	−13 26.6	2.235	3.119	10.5	22.0

364627 2007 TK_{35} 3 30.1 163.°82 0.°8/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.78	− 5 51.6	1.998	2.789	14.4	21.9
3 2	12 56.53	− 4 57.3	1.914	2.795	11.2	21.7
3 12	12 50.15	− 3 48.1	1.852	2.801	7.5	21.5
3 22	12 42.19	− 2 28.5	1.817	2.805	3.3	21.3
4 1	12 33.50	− 1 5.2	1.812	2.809	1.4	21.1
4 11	12 25.04	+ 0 14.2	1.835	2.812	5.6	21.4
4 21	12 17.69	+ 1 22.9	1.886	2.815	9.6	21.7
5 1	12 12.13	+ 2 16.1	1.962	2.817	13.0	21.9

30744 1981 EN_{18} 3 30.1 34.°27 0.°5/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 55.36	− 8 20.4	2.063	2.854	14.0	19.6
3 2	12 52.28	− 7 49.3	1.981	2.860	11.0	19.5
3 12	12 47.27	− 7 3.3	1.921	2.867	7.5	19.2
3 22	12 40.87	− 6 5.8	1.888	2.873	3.6	19.0
4 1	12 33.81	− 5 1.7	1.882	2.881	0.7	18.8
4 11	12 26.98	− 3 57.6	1.904	2.888	4.7	19.1
4 21	12 21.13	− 2 59.5	1.954	2.896	8.4	19.3
5 1	12 16.90	− 2 12.3	2.028	2.904	11.8	19.6

313612 2003 QR_{58} 3 30.1 200.°50 1.°3/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.84	− 2 41.5	2.090	2.884	13.8	22.0
3 2	12 58.13	− 2 5.6	1.996	2.880	10.7	21.8
3 12	12 51.25	− 1 18.6	1.925	2.875	7.1	21.5
3 22	12 42.73	− 0 24.5	1.881	2.869	3.2	21.3
4 1	12 33.37	+ 0 31.2	1.866	2.863	1.9	21.2
4 11	12 24.15	+ 1 22.3	1.881	2.855	5.8	21.4
4 21	12 15.96	+ 2 3.3	1.923	2.847	9.7	21.6
5 1	12 9.56	+ 2 30.6	1.990	2.838	13.1	21.8

503532 2016 FJ_{21} 3 30.1 226.°79 4.°0/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.92	+ 4 9.7	1.895	2.715	14.0	21.8
3 2	12 56.04	+ 5 6.1	1.812	2.711	10.8	21.5
3 12	12 49.93	+ 6 9.7	1.752	2.706	7.3	21.3
3 22	12 42.13	+ 7 13.9	1.719	2.702	4.4	21.1
4 1	12 33.51	+ 8 11.4	1.714	2.697	4.7	21.1
4 11	12 25.09	+ 8 55.4	1.736	2.692	7.9	21.3
4 21	12 17.80	+ 9 21.5	1.783	2.687	11.5	21.5
5 1	12 12.36	+ 9 27.6	1.853	2.682	14.8	21.7

456666 2007 RO_{60} 3 30.1 174.°78 0.°6/30.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.48	− 9 14.5	1.967	2.745	15.1	22.6
3 2	12 57.19	− 8 40.2	1.877	2.748	11.9	22.4
3 12	12 50.66	− 7 49.0	1.809	2.751	8.2	22.2
3 22	12 42.46	− 6 43.8	1.768	2.752	4.0	21.9
4 1	12 33.44	− 5 30.2	1.755	2.753	0.9	21.7
4 11	12 24.63	− 4 15.4	1.771	2.754	5.1	22.0
4 21	12 16.94	− 3 6.5	1.814	2.753	9.2	22.2
5 1	12 11.11	− 2 9.4	1.883	2.752	12.9	22.4

14728 Schuchardt 3 30.1 231.°18 2.°3/28.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.52	− 1 55.5	1.682	2.494	15.9	18.1
3 2	12 57.70	− 1 2.0	1.590	2.484	12.3	17.8
3 12	12 51.30	+ 0 6.1	1.519	2.474	8.2	17.5
3 22	12 42.86	+ 1 23.2	1.474	2.463	3.8	17.3
4 1	12 33.33	+ 2 41.3	1.457	2.451	3.1	17.2
4 11	12 23.92	+ 3 51.3	1.467	2.439	7.4	17.4
4 21	12 15.73	+ 4 45.9	1.502	2.426	11.9	17.6
5 1	12 9.68	+ 5 20.3	1.560	2.413	15.9	17.8

313737 2003 UK_{202} 3 30.1 114.°26 3.°7/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.56	+ 3 2.0	1.891	2.704	14.3	21.3
3 2	12 57.83	+ 4 10.8	1.829	2.724	10.9	21.1
3 12	12 50.91	+ 5 26.7	1.791	2.744	7.3	20.9
3 22	12 42.49	+ 6 42.7	1.780	2.763	4.2	20.7
4 1	12 33.46	+ 7 51.0	1.797	2.781	4.5	20.8
4 11	12 24.84	+ 8 45.0	1.843	2.799	7.6	21.0
4 21	12 17.50	+ 9 20.5	1.915	2.815	11.0	21.2
5 1	12 12.06	+ 9 36.2	2.009	2.832	14.0	21.5

17273 Karnik 3 30.1 80.°73 1.°5/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.02	− 4 39.5	1.434	2.253	17.7	17.7
3 2	12 56.00	− 3 45.8	1.358	2.256	13.8	17.4
3 12	12 50.22	− 2 33.6	1.303	2.258	9.1	17.2
3 22	12 42.35	− 1 8.9	1.272	2.261	4.0	16.9
4 1	12 33.47	+ 0 19.1	1.267	2.264	2.3	16.7
4 11	12 24.90	+ 1 39.7	1.288	2.266	7.3	17.1
4 21	12 17.80	+ 2 44.3	1.334	2.269	12.2	17.3
5 1	12 13.03	+ 3 27.3	1.401	2.272	16.4	17.6

17937 1999 HO_4 3 30.1 224.°90 0.°4/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.25	− 8 4.7	2.368	3.143	12.9	19.6
3 2	12 55.17	− 7 34.6	2.262	3.133	10.2	19.4
3 12	12 49.20	− 6 50.9	2.180	3.121	7.0	19.2
3 22	12 41.78	− 5 56.0	2.124	3.109	3.3	18.9
4 1	12 33.60	− 4 54.3	2.098	3.097	0.7	18.7
4 11	12 25.48	− 3 51.2	2.101	3.083	4.5	19.0
4 21	12 18.21	− 2 52.5	2.133	3.070	8.2	19.2
5 1	12 12.43	− 2 3.2	2.191	3.055	11.5	19.3

34868 2001 TB_{136} 3 30.1 299.°57 4.°2/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.55	−18 33.0	2.212	2.949	14.8	17.8
3 2	12 53.31	−18 38.7	2.110	2.943	12.4	17.6
3 12	12 48.06	−18 25.3	2.030	2.937	9.5	17.4
3 22	12 41.29	−17 52.7	1.973	2.932	6.5	17.2
4 1	12 33.72	−17 2.7	1.943	2.926	4.3	17.1
4 11	12 26.23	−16 0.1	1.940	2.920	5.1	17.1
4 21	12 19.67	−14 51.0	1.966	2.915	7.9	17.2
5 1	12 14.73	−13 42.4	2.016	2.909	11.1	17.4

55896 1998 AM_5 3 30.1 74.°37 4.°0/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.00	−16 45.0	2.266	3.004	14.5	19.4
3 2	12 55.82	−17 9.9	2.177	3.011	12.0	19.2
3 12	12 49.64	−17 18.6	2.109	3.018	9.1	19.0
3 22	12 41.97	−17 10.8	2.065	3.025	6.1	18.9
4 1	12 33.56	−16 48.0	2.049	3.033	4.1	18.7
4 11	12 25.32	−16 13.9	2.061	3.040	5.0	18.8
4 21	12 18.05	−15 33.5	2.101	3.047	7.7	19.0
5 1	12 12.43	−14 52.4	2.166	3.054	10.6	19.2

427059 2014 TD_{84} 3 30.1 245.°10 10.°5/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.96	−35 29.2	2.070	2.692	18.7	21.2
3 2	12 58.29	−36 9.9	1.954	2.675	17.1	21.0
3 12	12 51.88	−36 22.7	1.853	2.658	15.1	20.8
3 22	12 43.22	−36 2.0	1.772	2.640	13.0	20.6
4 1	12 33.23	−35 4.3	1.712	2.622	11.2	20.5
4 11	12 23.18	−33 31.1	1.676	2.602	10.5	20.4
4 21	12 14.32	−31 29.2	1.666	2.582	11.4	20.4
5 1	12 7.69	−29 9.5	1.680	2.562	13.5	20.4

8767 Commontern 3 30.1 72.°45 0.°1/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.66	− 6 4.8	2.213	3.003	13.2	18.9
3 2	12 53.83	− 5 38.8	2.138	3.018	10.3	18.7
3 12	12 48.18	− 5 1.0	2.086	3.033	6.9	18.5
3 22	12 41.25	− 4 14.9	2.060	3.048	3.1	18.3
4 1	12 33.75	− 3 25.0	2.064	3.062	0.8	18.1
4 11	12 26.51	− 2 36.6	2.096	3.077	4.6	18.4
4 21	12 20.26	− 1 54.7	2.155	3.092	8.1	18.7
5 1	12 15.56	− 1 23.1	2.240	3.106	11.2	18.9

122162 2000 KX_1 3 30.1 247.°82 2.°2/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.32	−13 14.2	2.146	2.906	14.5	20.6
3 2	12 55.55	−12 59.1	2.034	2.890	11.8	20.4
3 12	12 49.64	−12 26.0	1.944	2.873	8.6	20.1
3 22	12 42.06	−11 36.1	1.880	2.856	4.9	19.9
4 1	12 33.53	−10 32.5	1.843	2.838	2.2	19.6
4 11	12 25.00	− 9 21.1	1.836	2.820	4.7	19.8
4 21	12 17.39	− 8 8.7	1.856	2.802	8.6	20.0
5 1	12 11.46	− 7 2.2	1.902	2.782	12.2	20.2

129421 3147 $T\text{-}_3$ 3 30.1 238.°31 0.°4/29.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.24	− 4 25.5	2.975	3.756	10.4	21.9
3 2	12 53.20	− 3 58.3	2.865	3.741	8.1	21.7
3 12	12 47.67	− 3 22.4	2.780	3.725	5.4	21.5
3 22	12 41.02	− 2 40.3	2.722	3.709	2.4	21.3
4 1	12 33.79	− 1 55.3	2.695	3.693	0.9	21.1
4 11	12 26.60	− 1 11.5	2.698	3.676	4.0	21.3
4 21	12 20.04	− 0 32.7	2.731	3.659	7.0	21.5
5 1	12 14.62	− 0 2.1	2.789	3.641	9.7	21.7

337100 1999 FJ_{20} 3 30.1 103.°48 0.°9/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.58	− 7 50.2	2.310	3.085	13.2	20.8
3 2	12 56.07	− 7 49.6	2.227	3.096	10.4	20.7
3 12	12 49.69	− 7 37.6	2.166	3.106	7.1	20.5
3 22	12 41.95	− 7 16.1	2.133	3.116	3.6	20.3
4 1	12 33.59	− 6 48.4	2.128	3.126	1.0	20.1
4 11	12 25.44	− 6 18.6	2.152	3.136	4.2	20.3
4 21	12 18.26	− 5 51.1	2.205	3.145	7.7	20.6
5 1	12 12.66	− 5 29.7	2.283	3.155	10.8	20.8

350773 2002 BE_{27} 3 30.1 21.°99 12.°8/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.98	−38 32.2	2.137	2.724	19.0	19.6
3 2	13 1.56	−40 34.6	2.053	2.730	17.6	19.5
3 12	12 54.18	−42 13.4	1.985	2.737	16.0	19.3
3 22	12 44.33	−43 21.9	1.936	2.745	14.5	19.2
4 1	12 32.97	−43 55.2	1.907	2.753	13.3	19.2
4 11	12 21.51	−43 52.6	1.900	2.762	12.8	19.2
4 21	12 11.31	−43 18.0	1.914	2.771	13.1	19.2
5 1	12 3.54	−42 19.3	1.950	2.780	14.1	19.3

192056 2006 BR_{40} 3 30.1 64.°22 1.°6/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.82	− 2 30.1	1.925	2.734	14.2	20.5
3 2	12 54.35	− 1 47.2	1.842	2.735	11.0	20.3
3 12	12 48.75	− 0 52.5	1.783	2.736	7.2	20.1
3 22	12 41.59	+ 0 9.2	1.749	2.738	3.3	19.8
4 1	12 33.67	+ 1 11.6	1.744	2.739	2.2	19.7
4 11	12 25.98	+ 2 7.8	1.766	2.741	6.1	20.0
4 21	12 19.36	+ 2 52.2	1.815	2.742	9.9	20.2
5 1	12 14.52	+ 3 21.0	1.887	2.744	13.4	20.4

238360 2004 CO_{24} 3 30.1 302.°93 3.°5/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 55.04	+ 2 22.9	2.079	2.900	12.9	20.6
3 2	12 52.10	+ 3 35.7	1.992	2.893	9.9	20.3
3 12	12 47.21	+ 4 57.6	1.930	2.885	6.6	20.1
3 22	12 40.89	+ 6 22.5	1.894	2.878	3.9	19.9
4 1	12 33.85	+ 7 42.7	1.887	2.871	4.3	20.0
4 11	12 26.95	+ 8 51.0	1.908	2.864	7.4	20.1
4 21	12 20.98	+ 9 42.2	1.954	2.857	10.7	20.3
5 1	12 16.60	+10 13.4	2.024	2.851	13.8	20.5

17801 Zelkowitz 3 30.1 352.°63 0.°3/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.47	− 5 9.0	2.015	2.817	14.0	18.4
3 2	12 53.25	− 4 48.6	1.928	2.814	10.9	18.2
3 12	12 48.01	− 4 16.0	1.862	2.812	7.3	17.9
3 22	12 41.26	− 3 34.4	1.822	2.810	3.3	17.7
4 1	12 33.76	− 2 48.6	1.810	2.809	1.0	17.5
4 11	12 26.43	− 2 4.4	1.826	2.808	5.1	17.8
4 21	12 20.09	− 1 27.1	1.869	2.807	9.0	18.0
5 1	12 15.42	− 1 0.9	1.935	2.807	12.4	18.2

508689 2017 UP_{17} 3 30.1 196.°27 0.°2/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.98	− 6 17.1	2.350	3.136	12.7	22.5
3 2	12 54.12	− 5 43.8	2.256	3.134	9.9	22.3
3 12	12 48.44	− 4 58.3	2.186	3.132	6.7	22.1
3 22	12 41.42	− 4 3.6	2.142	3.129	3.0	21.8
4 1	12 33.73	− 3 4.4	2.128	3.126	0.8	21.7
4 11	12 26.18	− 2 6.3	2.143	3.123	4.6	21.9
4 21	12 19.50	− 1 14.4	2.186	3.120	8.2	22.1
5 1	12 14.31	− 0 33.0	2.254	3.116	11.3	22.3

472381 2015 BW_{90} 3 30.1 78.°61 1.°7/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.76	− 2 12.7	1.952	2.761	14.1	21.1
3 2	12 54.22	− 1 26.6	1.874	2.767	10.8	20.9
3 12	12 48.62	− 0 29.2	1.819	2.773	7.1	20.6
3 22	12 41.52	+ 0 34.5	1.791	2.779	3.2	20.4
4 1	12 33.73	+ 1 38.1	1.791	2.786	2.3	20.4
4 11	12 26.19	+ 2 34.8	1.818	2.792	6.0	20.6
4 21	12 19.73	+ 3 19.4	1.873	2.798	9.8	20.8
5 1	12 15.01	+ 3 48.1	1.950	2.805	13.1	21.1

420594 2012 HQ_{37} 3 30.1 7.°96 5.°7/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.75	+ 7 57.4	1.474	2.310	16.4	19.7
3 2	12 58.01	+ 8 39.0	1.405	2.310	12.8	19.5
3 12	12 51.50	+ 9 23.7	1.357	2.311	9.0	19.3
3 22	12 42.93	+10 3.3	1.334	2.313	6.0	19.1
4 1	12 33.40	+10 29.9	1.336	2.315	6.5	19.1
4 11	12 24.25	+10 37.0	1.363	2.318	9.8	19.3
4 21	12 16.64	+10 22.1	1.414	2.321	13.7	19.6
5 1	12 11.39	+ 9 45.4	1.485	2.325	17.2	19.8

26836 1991 PA_6 3 30.1 235.°10 0.°2/30.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.14	− 6 33.8	2.439	3.221	12.4	19.6
3 2	12 54.24	− 6 13.0	2.338	3.212	9.8	19.4
3 12	12 48.53	− 5 40.8	2.260	3.204	6.6	19.2
3 22	12 41.48	− 4 59.6	2.208	3.194	3.1	19.0
4 1	12 33.73	− 4 13.2	2.186	3.185	0.7	18.7
4 11	12 26.07	− 3 26.6	2.194	3.176	4.4	19.0
4 21	12 19.21	− 2 44.4	2.229	3.166	7.9	19.2
5 1	12 13.79	− 2 10.7	2.290	3.155	11.0	19.4

389724 2011 SG_{56} 3 30.1 347.°62 1.°0/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 52.11	− 6 24.9	1.975	2.781	14.0	20.3
3 2	12 49.94	− 5 12.0	1.885	2.776	10.9	20.1
3 12	12 45.83	− 3 41.7	1.818	2.771	7.2	19.8
3 22	12 40.29	− 1 59.4	1.778	2.767	3.1	19.6
4 1	12 34.03	− 0 12.7	1.766	2.764	1.7	19.5
4 11	12 27.93	+ 1 29.6	1.783	2.760	5.7	19.7
4 21	12 22.77	+ 2 59.6	1.827	2.758	9.7	19.9
5 1	12 19.21	+ 4 11.6	1.895	2.756	13.1	20.2

466665 2014 WY_{140} 3 30.1 105.°65 1.°5/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.70	− 2 37.8	1.768	2.576	15.3	21.8
3 2	12 56.73	− 2 4.1	1.691	2.583	11.9	21.6
3 12	12 50.42	− 1 18.5	1.637	2.589	7.8	21.4
3 22	12 42.38	− 0 25.6	1.607	2.596	3.5	21.1
4 1	12 33.55	+ 0 28.2	1.606	2.603	2.1	21.0
4 11	12 25.00	+ 1 15.9	1.632	2.609	6.2	21.3
4 21	12 17.71	+ 1 52.0	1.685	2.615	10.4	21.6
5 1	12 12.40	+ 2 12.8	1.760	2.621	14.0	21.8

431744 2008 GH_2 3 30.1 56.°96 11.°1/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 10.97	+29 40.7	1.984	2.771	14.6	20.3
3 2	13 4.11	+30 38.0	1.956	2.799	12.8	20.2
3 12	12 54.88	+31 18.3	1.950	2.826	11.5	20.2
3 22	12 44.19	+31 33.9	1.968	2.853	11.1	20.2
4 1	12 33.18	+31 20.1	2.011	2.880	11.7	20.3
4 11	12 23.00	+30 36.3	2.077	2.908	13.1	20.5
4 21	12 14.54	+29 25.9	2.166	2.935	14.7	20.6
5 1	12 8.35	+27 54.0	2.273	2.963	16.3	20.8

272599 2005 VF_{114} 3 30.1 160.°15 0.°5/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.91	− 7 59.0	2.086	2.869	14.2	22.1
3 2	12 55.83	− 7 36.3	1.999	2.873	11.2	21.9
3 12	12 49.69	− 6 59.5	1.933	2.876	7.6	21.7
3 22	12 42.03	− 6 11.4	1.894	2.879	3.7	21.4
4 1	12 33.63	− 5 16.4	1.883	2.882	0.8	21.2
4 11	12 25.43	− 4 20.7	1.901	2.885	4.8	21.5
4 21	12 18.26	− 3 30.0	1.947	2.887	8.6	21.7
5 1	12 12.80	− 2 49.2	2.018	2.888	12.1	22.0

159215 Apan 3 30.1 149.°41 1.°4/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.72	− 1 50.3	1.629	2.433	16.6	21.1
3 2	13 1.64	− 1 34.3	1.552	2.440	12.9	20.9
3 12	12 53.83	− 1 7.2	1.495	2.447	8.6	20.6
3 22	12 43.98	− 0 33.5	1.464	2.453	3.9	20.3
4 1	12 33.17	+ 0 1.2	1.461	2.458	2.1	20.2
4 11	12 22.69	+ 0 30.1	1.485	2.463	6.6	20.5
4 21	12 13.69	+ 0 48.4	1.536	2.467	11.1	20.8
5 1	12 7.02	+ 0 52.5	1.609	2.471	15.1	21.0

422386 2014 SN_{265} 3 30.1 140.°63 2.°4/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.14	+ 0 29.1	2.013	2.816	13.9	21.6
3 2	12 58.27	+ 1 11.6	1.938	2.828	10.7	21.4
3 12	12 51.25	+ 2 2.6	1.887	2.839	7.1	21.2
3 22	12 42.71	+ 2 56.8	1.863	2.849	3.5	21.0
4 1	12 33.49	+ 3 48.1	1.867	2.859	3.0	20.9
4 11	12 24.58	+ 4 30.5	1.901	2.868	6.4	21.2
4 21	12 16.83	+ 4 59.9	1.961	2.877	10.0	21.4
5 1	12 10.92	+ 5 13.6	2.045	2.885	13.2	21.6

206746 2004 BB_{142} 3 30.1 215.°71 0.°1/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.71	− 6 27.3	2.466	3.248	12.3	21.5
3 2	12 53.85	− 6 0.0	2.368	3.243	9.6	21.3
3 12	12 48.25	− 5 21.1	2.293	3.238	6.5	21.0
3 22	12 41.35	− 4 33.4	2.246	3.232	3.0	20.8
4 1	12 33.79	− 3 40.9	2.227	3.226	0.7	20.6
4 11	12 26.35	− 2 48.8	2.239	3.220	4.4	20.9
4 21	12 19.71	− 2 1.8	2.278	3.213	7.8	21.1
5 1	12 14.48	− 1 24.0	2.343	3.207	10.9	21.3

133128 2003 PZ_3 3 30.1 223.°67 2.°7/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.21	− 0 2.9	1.898	2.707	14.4	20.4
3 2	12 57.15	+ 0 53.9	1.805	2.698	11.2	20.1
3 12	12 50.77	+ 2 2.2	1.735	2.688	7.4	19.9
3 22	12 42.60	+ 3 16.6	1.691	2.678	3.7	19.6
4 1	12 33.49	+ 4 29.4	1.676	2.667	3.5	19.6
4 11	12 24.50	+ 5 32.9	1.689	2.655	7.2	19.8
4 21	12 16.61	+ 6 21.0	1.728	2.643	11.2	20.0
5 1	12 10.61	+ 6 49.9	1.790	2.630	14.8	20.2

176450 2001 XM_{38} 3 30.1 124.°13 2.°1/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.55	−13 10.3	2.831	3.573	11.8	20.9
3 2	12 54.95	−13 11.6	2.744	3.588	9.5	20.8
3 12	12 48.80	−13 0.7	2.680	3.602	6.9	20.6
3 22	12 41.53	−12 38.6	2.644	3.616	4.1	20.5
4 1	12 33.77	−12 7.4	2.637	3.629	2.2	20.4
4 11	12 26.18	−11 30.7	2.660	3.642	3.6	20.5
4 21	12 19.38	−10 52.5	2.712	3.655	6.3	20.7
5 1	12 13.89	−10 16.8	2.791	3.667	8.9	20.9

224431 2005 US_{445} 3 30.1 167.°53 0.°1/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.56	− 7 18.6	2.198	2.980	13.6	21.2
3 2	12 55.44	− 6 46.1	2.109	2.984	10.6	21.0
3 12	12 49.38	− 6 0.0	2.043	2.987	7.2	20.8
3 22	12 41.88	− 5 3.5	2.004	2.990	3.3	20.5
4 1	12 33.69	− 4 1.3	1.994	2.992	0.7	20.3
4 11	12 25.68	− 2 59.7	2.013	2.994	4.7	20.6
4 21	12 18.65	− 2 4.2	2.060	2.996	8.4	20.8
5 1	12 13.24	− 1 19.5	2.132	2.996	11.7	21.0

275402 2011 BR_{40} 3 30.1 100.°06 9.°3/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.19	+20 57.5	2.105	2.920	13.0	21.2
3 2	12 57.42	+23 21.2	2.075	2.949	10.9	21.1
3 12	12 50.59	+25 35.7	2.072	2.977	9.5	21.1
3 22	12 42.36	+27 30.9	2.096	3.004	9.4	21.1
4 1	12 33.60	+28 58.8	2.148	3.031	10.5	21.2
4 11	12 25.28	+29 55.3	2.223	3.057	12.2	21.4
4 21	12 18.21	+30 20.6	2.320	3.082	14.1	21.6
5 1	12 12.98	+30 17.7	2.436	3.106	15.7	21.8

105393 2000 QT_{141} 3 30.1 182.°79 0.°3/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.82	− 2 59.7	2.728	3.506	11.3	19.9
3 2	12 57.55	− 3 3.3	2.633	3.506	8.8	19.7
3 12	12 50.59	− 3 0.4	2.562	3.506	5.9	19.5
3 22	12 42.38	− 2 52.8	2.519	3.506	2.7	19.3
4 1	12 33.57	− 2 43.3	2.507	3.505	0.8	19.2
4 11	12 24.89	− 2 34.8	2.525	3.504	4.1	19.4
4 21	12 17.02	− 2 30.2	2.573	3.503	7.3	19.6
5 1	12 10.52	− 2 31.8	2.648	3.502	10.1	19.8

32342 2000 QE_{90} 3 30.1 10.°75 4.°3/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.15	−13 27.0	1.226	2.029	21.1	17.5
3 2	12 56.74	−13 59.4	1.152	2.030	17.3	17.3
3 12	12 51.11	−14 8.2	1.095	2.032	12.7	17.0
3 22	12 42.93	−13 52.7	1.059	2.035	7.8	16.7
4 1	12 33.42	−13 15.5	1.046	2.038	4.4	16.5
4 11	12 24.19	−12 24.3	1.056	2.043	6.8	16.7
4 21	12 16.67	−11 28.7	1.090	2.048	11.6	17.0
5 1	12 11.94	−10 38.8	1.145	2.055	16.2	17.2

287467 2003 AL_{35} 3 30.1 54.°15 1.°9/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.47	− 3 31.2	1.413	2.234	17.8	20.1
3 2	12 56.76	− 2 33.7	1.365	2.264	13.6	19.9
3 12	12 50.44	− 1 21.4	1.338	2.294	8.9	19.7
3 22	12 42.34	− 0 1.6	1.335	2.324	3.9	19.5
4 1	12 33.62	+ 1 16.3	1.358	2.354	2.6	19.5
4 11	12 25.52	+ 2 23.2	1.408	2.384	7.1	19.9
4 21	12 19.04	+ 3 12.8	1.483	2.414	11.4	20.2
5 1	12 14.83	+ 3 41.9	1.579	2.445	15.1	20.5

368707 2005 SQ_{265} 3 30.1 207.°80 0.°6/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.76	− 9 16.4	2.574	3.339	12.3	24.0
3 2	12 55.40	− 8 39.5	2.467	3.331	9.7	23.8
3 12	12 49.28	− 7 48.7	2.385	3.323	6.7	23.6
3 22	12 41.83	− 6 46.5	2.330	3.314	3.3	23.4
4 1	12 33.70	− 5 37.1	2.305	3.304	0.7	23.1
4 11	12 25.65	− 4 26.0	2.311	3.293	4.1	23.4
4 21	12 18.39	− 3 18.6	2.346	3.281	7.6	23.6
5 1	12 12.53	− 2 20.1	2.407	3.268	10.7	23.8

387402 2013 RU_{32} 3 30.1 116.°52 4.°4/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.85	+ 4 24.8	1.999	2.821	13.3	20.9
3 2	12 54.21	+ 5 54.8	1.931	2.831	10.2	20.7
3 12	12 48.57	+ 7 31.8	1.888	2.841	6.9	20.6
3 22	12 41.49	+ 9 8.1	1.872	2.851	4.6	20.4
4 1	12 33.79	+10 35.4	1.885	2.861	5.3	20.5
4 11	12 26.38	+11 46.4	1.925	2.870	8.1	20.7
4 21	12 20.04	+12 36.6	1.991	2.879	11.3	20.9
5 1	12 15.40	+13 4.3	2.079	2.888	14.1	21.1

275253 2009 XC_{22} 3 30.1 64.°19 4.°0/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.23	+ 4 19.3	1.924	2.747	13.7	19.9
3 2	12 54.65	+ 5 20.1	1.848	2.748	10.5	19.7
3 12	12 48.96	+ 6 27.5	1.796	2.750	7.1	19.5
3 22	12 41.71	+ 7 35.0	1.769	2.752	4.4	19.3
4 1	12 33.74	+ 8 35.3	1.771	2.753	4.8	19.3
4 11	12 26.02	+ 9 21.6	1.800	2.755	7.8	19.5
4 21	12 19.39	+ 9 49.9	1.854	2.757	11.2	19.7
5 1	12 14.54	+ 9 58.4	1.931	2.758	14.3	19.9

246065 2006 VB_{99} 3 30.1 215.°43 3.°7/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.18	+ 6 39.9	2.509	3.322	11.2	20.9
3 2	12 54.12	+ 7 26.1	2.425	3.319	8.7	20.7
3 12	12 48.37	+ 8 15.5	2.366	3.316	6.0	20.5
3 22	12 41.39	+ 9 3.2	2.334	3.312	3.9	20.4
4 1	12 33.82	+ 9 44.0	2.331	3.309	4.3	20.4
4 11	12 26.41	+10 13.3	2.357	3.305	6.7	20.6
4 21	12 19.84	+10 28.5	2.410	3.301	9.5	20.7
5 1	12 14.66	+10 28.1	2.486	3.297	12.0	20.9

272250 2005 QX_{136} 3 30.1 134.°12 0.°7/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.02	− 3 45.3	2.040	2.833	14.1	21.7
3 2	12 57.43	− 3 21.6	1.960	2.843	10.9	21.5
3 12	12 50.73	− 2 47.2	1.903	2.852	7.3	21.3
3 22	12 42.50	− 2 5.4	1.873	2.861	3.2	21.1
4 1	12 33.57	− 1 21.4	1.871	2.869	1.3	20.9
4 11	12 24.90	− 0 40.8	1.899	2.877	5.3	21.2
4 21	12 17.36	− 0 8.4	1.953	2.885	9.1	21.5
5 1	12 11.59	+ 0 12.2	2.032	2.892	12.5	21.7

72015 2000 XC_{13} 3 30.1 8.°25 5.°0/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 53.42	−19 55.5	1.573	2.336	18.9	18.3
3 2	12 51.62	−19 51.3	1.490	2.338	15.8	18.1
3 12	12 47.30	−19 18.9	1.424	2.340	12.1	17.8
3 22	12 41.07	−18 18.3	1.380	2.342	8.2	17.6
4 1	12 33.89	−16 52.9	1.360	2.346	5.3	17.5
4 11	12 26.93	−15 11.3	1.367	2.351	6.1	17.5
4 21	12 21.28	−13 24.1	1.398	2.356	9.6	17.7
5 1	12 17.74	−11 42.5	1.453	2.362	13.5	18.0

173826 2001 SX_{348} 3 30.1 142.°84 5.°8/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.63	+17 21.3	3.015	3.823	9.6	21.0
3 2	12 54.11	+18 34.5	2.957	3.835	7.8	20.9
3 12	12 48.16	+19 43.9	2.925	3.847	6.3	20.8
3 22	12 41.23	+20 44.4	2.921	3.858	5.8	20.8
4 1	12 33.87	+21 31.0	2.946	3.868	6.5	20.9
4 11	12 26.74	+22 0.5	2.999	3.879	8.1	21.0
4 21	12 20.39	+22 12.0	3.076	3.888	9.8	21.1
5 1	12 15.28	+22 5.5	3.176	3.897	11.5	21.3

300209 2006 WT_{151} 3 30.1 255.°89 5.°1/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.18	+12 46.0	2.682	3.491	10.7	20.9
3 2	12 56.44	+13 32.6	2.586	3.472	8.5	20.8
3 12	12 49.95	+14 18.7	2.514	3.452	6.4	20.6
3 22	12 42.14	+14 59.0	2.471	3.432	5.2	20.5
4 1	12 33.65	+15 28.4	2.456	3.412	5.8	20.5
4 11	12 25.23	+15 42.9	2.470	3.391	7.8	20.6
4 21	12 17.61	+15 40.3	2.510	3.370	10.3	20.7
5 1	12 11.37	+15 20.4	2.573	3.348	12.6	20.8

386150 2007 TF_{256} 3 30.1 116.°62 0.°6/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.06	− 4 39.8	2.460	3.248	12.1	22.2
3 2	12 53.98	− 4 6.1	2.380	3.260	9.4	22.1
3 12	12 48.24	− 3 22.4	2.325	3.273	6.2	21.9
3 22	12 41.31	− 2 32.0	2.297	3.285	2.8	21.7
4 1	12 33.85	− 1 39.4	2.299	3.297	1.1	21.6
4 11	12 26.62	− 0 49.6	2.330	3.308	4.5	21.8
4 21	12 20.28	− 0 7.0	2.389	3.319	7.7	22.0
5 1	12 15.34	+ 0 25.1	2.474	3.330	10.6	22.3

117690 2005 EK_{270} 3 30.1 53.°38 1.°3/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.27	− 3 17.4	1.394	2.215	18.0	20.3
3 2	12 57.68	− 2 50.7	1.330	2.228	14.0	20.1
3 12	12 51.29	− 2 9.4	1.286	2.241	9.2	19.8
3 22	12 42.84	− 1 19.0	1.266	2.255	4.1	19.5
4 1	12 33.50	− 0 26.9	1.272	2.269	2.0	19.4
4 11	12 24.63	+ 0 18.5	1.303	2.283	6.9	19.8
4 21	12 17.36	+ 0 50.9	1.359	2.298	11.7	20.1
5 1	12 12.51	+ 1 6.3	1.437	2.313	15.7	20.4

30757 1981 EB_{40} 3 30.1 65.°72 0.°1/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.90	− 5 40.9	2.172	2.965	13.4	19.6
3 2	12 54.08	− 5 17.6	2.097	2.979	10.4	19.4
3 12	12 48.41	− 4 42.8	2.045	2.993	6.9	19.3
3 22	12 41.41	− 3 59.8	2.020	3.007	3.1	19.0
4 1	12 33.84	− 3 13.2	2.023	3.021	0.8	18.9
4 11	12 26.53	− 2 28.3	2.054	3.036	4.7	19.2
4 21	12 20.22	− 1 49.9	2.113	3.050	8.2	19.4
5 1	12 15.48	− 1 21.7	2.197	3.065	11.3	19.6

255729 2006 QU_{132} 3 30.1 230.°09 1.°2/29.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.03	− 3 6.5	1.978	2.775	14.3	21.4
3 2	12 57.74	− 2 35.3	1.879	2.764	11.2	21.2
3 12	12 51.16	− 1 52.1	1.802	2.753	7.5	20.9
3 22	12 42.80	− 1 0.6	1.753	2.741	3.4	20.6
4 1	12 33.50	− 0 6.5	1.731	2.728	1.8	20.5
4 11	12 24.26	+ 0 43.6	1.738	2.715	5.9	20.7
4 21	12 16.08	+ 1 24.2	1.773	2.701	10.1	21.0
5 1	12 9.73	+ 1 50.8	1.831	2.687	13.8	21.1

129999 1999 VM_{33} 3 30.1 127.°74 0.°5/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.41	− 8 9.9	1.979	2.760	14.9	21.2
3 2	12 57.78	− 7 42.1	1.902	2.775	11.7	21.0
3 12	12 50.97	− 6 59.4	1.847	2.790	8.0	20.8
3 22	12 42.62	− 6 5.0	1.818	2.804	3.8	20.6
4 1	12 33.57	− 5 4.1	1.818	2.817	0.8	20.4
4 11	12 24.84	− 4 3.3	1.847	2.830	4.9	20.7
4 21	12 17.29	− 3 8.7	1.904	2.842	8.9	21.0
5 1	12 11.59	− 2 25.3	1.985	2.854	12.3	21.2

17998 1999 JN_{80} 3 30.1 319.°70 2.°7/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 54.45	− 0 10.9	2.025	2.843	13.3	18.0
3 2	12 51.73	+ 0 53.2	1.935	2.834	10.2	17.8
3 12	12 47.05	+ 2 8.5	1.869	2.825	6.7	17.5
3 22	12 40.88	+ 3 29.4	1.829	2.816	3.4	17.3
4 1	12 33.97	+ 4 48.5	1.817	2.808	3.4	17.3
4 11	12 27.19	+ 5 58.6	1.834	2.799	6.8	17.5
4 21	12 21.34	+ 6 53.7	1.876	2.792	10.4	17.7
5 1	12 17.10	+ 7 30.2	1.941	2.784	13.6	17.8

204335 2004 RM_{234} 3 30.1 128.°05 2.°6/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.50	−12 36.9	1.719	2.488	17.3	21.4
3 2	12 59.85	−12 38.1	1.640	2.501	13.9	21.2
3 12	12 52.61	−12 20.2	1.582	2.513	10.0	20.9
3 22	12 43.45	−11 44.3	1.548	2.525	5.7	20.7
4 1	12 33.39	−10 54.3	1.541	2.536	2.6	20.5
4 11	12 23.65	− 9 56.8	1.561	2.546	5.3	20.7
4 21	12 15.30	− 8 59.5	1.609	2.556	9.5	21.0
5 1	12 9.16	− 8 9.3	1.681	2.565	13.3	21.2

341267 2007 RR_{254} 3 30.1 193.°89 0.°4/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.28	− 8 45.8	2.164	2.948	13.7	21.3
3 2	12 52.99	− 8 5.1	2.072	2.948	10.8	21.1
3 12	12 47.80	− 7 8.9	2.004	2.947	7.3	20.9
3 22	12 41.20	− 6 0.4	1.961	2.947	3.5	20.6
4 1	12 33.92	− 4 44.8	1.947	2.946	0.7	20.4
4 11	12 26.79	− 3 28.9	1.963	2.946	4.6	20.7
4 21	12 20.59	− 2 19.2	2.005	2.945	8.4	20.9
5 1	12 15.96	− 1 20.9	2.073	2.944	11.8	21.1

313636 2003 SJ_{33} 3 30.1 191.°81 0.°6/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.60	− 9 24.8	1.942	2.722	15.2	22.0
3 2	12 56.61	− 8 48.5	1.849	2.721	12.0	21.7
3 12	12 50.37	− 7 54.6	1.778	2.720	8.3	21.5
3 22	12 42.43	− 6 46.0	1.732	2.717	4.0	21.2
4 1	12 33.63	− 5 28.4	1.715	2.714	0.9	21.0
4 11	12 24.99	− 4 9.3	1.727	2.711	5.1	21.3
4 21	12 17.45	− 2 56.1	1.767	2.706	9.3	21.5
5 1	12 11.77	− 1 55.1	1.831	2.702	13.1	21.7

40910 1999 TS_{152} 3 30.1 241.°33 2.°0/28.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.85	− 1 18.8	1.969	2.772	14.2	19.9
3 2	12 57.66	− 0 36.0	1.867	2.756	11.1	19.6
3 12	12 51.16	+ 0 18.4	1.788	2.740	7.4	19.4
3 22	12 42.84	+ 1 19.9	1.735	2.723	3.5	19.1
4 1	12 33.52	+ 2 22.3	1.711	2.706	2.7	19.0
4 11	12 24.24	+ 3 18.3	1.716	2.687	6.6	19.2
4 21	12 15.97	+ 4 1.9	1.747	2.668	10.7	19.4
5 1	12 9.55	+ 4 29.2	1.802	2.649	14.4	19.6

467265 2016 EC_{182} 3 30.1 231.°89 4.°5/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 11.66	+10 27.9	2.344	3.136	12.5	21.6
3 2	13 4.78	+10 43.7	2.244	3.123	9.9	21.4
3 12	12 55.65	+10 58.4	2.169	3.109	7.1	21.2
3 22	12 44.81	+11 7.2	2.123	3.095	4.9	21.0
4 1	12 33.09	+11 5.2	2.107	3.080	5.1	21.0
4 11	12 21.51	+10 49.0	2.121	3.065	7.6	21.1
4 21	12 11.01	+10 17.4	2.165	3.049	10.7	21.3
5 1	12 2.34	+ 9 30.8	2.233	3.033	13.5	21.4

460862 2014 WX_{126} 3 30.1 282.°63 0.°3/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.55	− 5 6.9	1.637	2.442	16.5	21.7
3 2	12 58.05	− 4 55.0	1.532	2.420	13.1	21.4
3 12	12 51.80	− 4 28.4	1.447	2.397	9.0	21.1
3 22	12 43.28	− 3 49.6	1.387	2.374	4.1	20.8
4 1	12 33.40	− 3 3.8	1.353	2.351	1.1	20.5
4 11	12 23.43	− 2 18.2	1.346	2.328	6.4	20.8
4 21	12 14.62	− 1 39.8	1.364	2.305	11.4	21.0
5 1	12 8.01	− 1 14.7	1.405	2.281	16.0	21.2

122510 2000 QT_{199} 3 30.1 272.°16 1.°5/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.32	− 3 13.8	1.612	2.424	16.4	20.3
3 2	12 57.87	− 2 39.8	1.509	2.402	13.0	20.1
3 12	12 51.68	− 1 50.4	1.427	2.380	8.7	19.7
3 22	12 43.22	− 0 49.6	1.369	2.358	3.9	19.4
4 1	12 33.42	+ 0 15.6	1.338	2.335	2.2	19.2
4 11	12 23.56	+ 1 16.5	1.335	2.312	7.2	19.5
4 21	12 14.89	+ 2 5.2	1.356	2.289	12.2	19.7
5 1	12 8.44	+ 2 36.0	1.399	2.265	16.6	19.9

242179 2003 HB_{46} 3 30.1 257.°12 4.°7/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.88	+ 4 47.1	1.593	2.418	15.9	20.4
3 2	12 58.96	+ 5 40.1	1.505	2.406	12.4	20.1
3 12	12 52.27	+ 6 41.2	1.439	2.394	8.5	19.9
3 22	12 43.42	+ 7 43.0	1.398	2.381	5.2	19.6
4 1	12 33.40	+ 8 36.8	1.384	2.367	5.6	19.6
4 11	12 23.51	+ 9 14.3	1.396	2.354	9.3	19.8
4 21	12 14.95	+ 9 30.5	1.432	2.340	13.5	20.0
5 1	12 8.68	+ 9 23.4	1.489	2.326	17.3	20.2

338933 2004 EY_{46} 3 30.1 63.°89 0.°8/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.42	− 6 50.6	2.110	2.893	14.0	20.6
3 2	12 56.94	− 6 57.8	2.028	2.902	11.1	20.4
3 12	12 50.41	− 6 53.9	1.970	2.912	7.6	20.2
3 22	12 42.38	− 6 40.7	1.937	2.921	3.7	20.0
4 1	12 33.66	− 6 21.4	1.933	2.931	0.9	19.8
4 11	12 25.18	− 6 0.2	1.957	2.941	4.6	20.1
4 21	12 17.76	− 5 41.5	2.010	2.951	8.3	20.3
5 1	12 12.06	− 5 28.9	2.087	2.961	11.5	20.6

472030 2013 YQ_{13} 3 30.1 159.°11 4.°7/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.43	+ 7 46.4	2.240	3.059	12.1	21.5
3 2	12 54.50	+ 8 53.7	2.165	3.062	9.4	21.3
3 12	12 48.71	+10 4.3	2.116	3.065	6.6	21.2
3 22	12 41.59	+11 11.8	2.093	3.067	4.8	21.0
4 1	12 33.85	+12 9.6	2.099	3.069	5.4	21.1
4 11	12 26.33	+12 52.3	2.133	3.072	7.9	21.2
4 21	12 19.77	+13 16.8	2.193	3.073	10.7	21.4
5 1	12 14.77	+13 21.9	2.275	3.075	13.3	21.6

291359 2006 BB_{260} 3 30.1 139.°04 2.°8/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.05	−11 59.0	1.711	2.480	17.4	21.5
3 2	13 1.13	−12 14.8	1.629	2.490	14.0	21.2
3 12	12 53.54	−12 12.9	1.567	2.498	10.1	21.0
3 22	12 43.92	−11 53.9	1.530	2.507	5.8	20.8
4 1	12 33.30	−11 20.6	1.520	2.514	2.8	20.6
4 11	12 22.96	−10 38.9	1.537	2.521	5.5	20.8
4 21	12 14.02	− 9 55.6	1.582	2.528	9.7	21.0
5 1	12 7.35	− 9 17.3	1.650	2.534	13.6	21.3

297845 2002 CC_5 3 30.1 88.°46 3.°5/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.19	−13 48.2	1.587	2.352	18.6	21.5
3 2	13 1.97	−14 3.8	1.523	2.379	15.1	21.3
3 12	12 53.99	−13 58.8	1.478	2.405	10.9	21.1
3 22	12 44.05	−13 33.9	1.457	2.430	6.5	20.9
4 1	12 33.30	−12 52.7	1.463	2.455	3.5	20.8
4 11	12 23.07	−12 1.9	1.496	2.480	5.7	21.0
4 21	12 14.48	−11 9.3	1.556	2.504	9.7	21.3
5 1	12 8.32	−10 22.4	1.639	2.527	13.4	21.6

139857 2001 RP_{61} 3 30.1 14.°49 1.°0/31.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.38	− 7 17.7	2.077	2.862	14.2	19.7
3 2	12 56.26	− 7 24.3	1.988	2.863	11.2	19.5
3 12	12 50.04	− 7 19.2	1.922	2.864	7.7	19.3
3 22	12 42.26	− 7 4.2	1.881	2.865	3.9	19.0
4 1	12 33.69	− 6 42.3	1.868	2.866	1.1	18.8
4 11	12 25.29	− 6 18.0	1.884	2.868	4.6	19.1
4 21	12 17.92	− 5 55.9	1.927	2.870	8.5	19.3
5 1	12 12.27	− 5 40.1	1.994	2.872	11.9	19.5

513029 2017 VW_3 3 30.1 181.°68 4.°3/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.65	−21 15.1	2.797	3.500	12.8	21.6
3 2	12 53.73	−21 24.1	2.695	3.501	10.8	21.5
3 12	12 48.15	−21 16.7	2.614	3.501	8.5	21.3
3 22	12 41.34	−20 52.5	2.557	3.501	6.1	21.1
4 1	12 33.92	−20 12.8	2.528	3.500	4.5	21.0
4 11	12 26.59	−19 20.9	2.528	3.500	4.7	21.0
4 21	12 20.02	−18 21.6	2.557	3.499	6.7	21.2
5 1	12 14.77	−17 20.1	2.612	3.498	9.1	21.3

22144 Linmichaels 3 30.1 179.°42 3.°6/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.03	+ 3 7.8	1.879	2.692	14.4	18.5
3 2	12 58.47	+ 3 59.9	1.799	2.694	11.1	18.3
3 12	12 51.59	+ 4 59.7	1.742	2.694	7.5	18.1
3 22	12 42.98	+ 6 0.9	1.711	2.695	4.2	17.9
4 1	12 33.55	+ 6 56.3	1.709	2.695	4.3	17.9
4 11	12 24.37	+ 7 39.1	1.734	2.694	7.6	18.1
4 21	12 16.38	+ 8 5.0	1.786	2.693	11.3	18.3
5 1	12 10.35	+ 8 11.9	1.860	2.691	14.6	18.5

55151 2001 QE_{214} 3 30.1 39.°54 0.°1/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.50	− 7 3.9	1.636	2.441	16.5	19.1
3 2	12 55.31	− 6 35.4	1.557	2.444	13.0	18.9
3 12	12 49.66	− 5 49.9	1.498	2.448	8.8	18.6
3 22	12 42.16	− 4 51.1	1.464	2.452	4.1	18.3
4 1	12 33.77	− 3 45.5	1.457	2.456	0.9	18.1
4 11	12 25.63	− 2 41.1	1.477	2.460	5.8	18.5
4 21	12 18.78	− 1 45.3	1.522	2.464	10.3	18.7
5 1	12 14.01	− 1 3.9	1.590	2.469	14.3	19.0

389982 2012 TL_{255} 3 30.1 83.°78 0.°1/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.86	− 3 6.2	2.325	3.105	13.0	20.7
3 2	13 0.09	− 3 21.9	2.247	3.120	10.1	20.5
3 12	12 52.37	− 3 30.5	2.192	3.136	6.8	20.3
3 22	12 43.26	− 3 33.8	2.165	3.151	3.1	20.1
4 1	12 33.54	− 3 34.5	2.167	3.166	0.7	19.9
4 11	12 24.11	− 3 35.5	2.201	3.181	4.5	20.2
4 21	12 15.73	− 3 39.8	2.263	3.196	7.9	20.5
5 1	12 9.04	− 3 49.7	2.351	3.211	11.0	20.7

245926 2006 RU_{18} 3 30.1 125.°62 2.°3/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.87	−16 17.7	3.020	3.748	11.4	21.2
3 2	12 52.82	−15 51.7	2.932	3.765	9.3	21.0
3 12	12 47.37	−15 11.3	2.868	3.781	6.8	20.9
3 22	12 40.94	−14 18.0	2.830	3.797	4.2	20.7
4 1	12 34.08	−13 14.9	2.822	3.812	2.3	20.6
4 11	12 27.41	−12 6.1	2.844	3.827	3.4	20.7
4 21	12 21.47	−10 56.5	2.896	3.841	5.9	20.9
5 1	12 16.71	− 9 50.6	2.976	3.855	8.4	21.1

8770 Totanus 3 30.1 38.°66 1.°0/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.48	− 3 4.8	2.009	2.814	13.9	17.4
3 2	12 53.98	− 2 37.3	1.932	2.822	10.7	17.2
3 12	12 48.48	− 1 59.2	1.879	2.831	7.1	17.0
3 22	12 41.54	− 1 14.5	1.851	2.839	3.1	16.7
4 1	12 33.95	− 0 28.4	1.851	2.849	1.6	16.6
4 11	12 26.60	+ 0 13.2	1.880	2.858	5.4	16.9
4 21	12 20.31	+ 0 45.7	1.935	2.868	9.1	17.1
5 1	12 15.69	+ 1 5.6	2.014	2.877	12.4	17.4

372931 2011 BE_{32} 3 30.1 72.°14 0.°4/30.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.65	− 7 16.2	1.790	2.585	15.7	21.9
3 2	12 56.00	− 6 58.1	1.708	2.590	12.4	21.7
3 12	12 50.03	− 6 24.7	1.647	2.594	8.4	21.4
3 22	12 42.32	− 5 39.2	1.612	2.598	4.0	21.2
4 1	12 33.77	− 4 46.8	1.604	2.602	0.8	20.9
4 11	12 25.46	− 3 54.2	1.623	2.607	5.3	21.3
4 21	12 18.34	− 3 7.8	1.669	2.611	9.6	21.5
5 1	12 13.18	− 2 32.8	1.738	2.616	13.3	21.8

210755 2000 WE_{15} 3 30.1 150.°67 2.°5/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.80	− 0 14.7	2.050	2.851	13.8	21.6
3 2	12 58.02	+ 0 43.0	1.973	2.862	10.6	21.4
3 12	12 51.14	+ 1 50.5	1.921	2.872	7.0	21.2
3 22	12 42.75	+ 3 2.1	1.895	2.882	3.4	21.0
4 1	12 33.68	+ 4 11.0	1.899	2.890	3.1	21.0
4 11	12 24.90	+ 5 10.5	1.932	2.898	6.5	21.2
4 21	12 17.25	+ 5 55.7	1.993	2.905	10.0	21.5
5 1	12 11.39	+ 6 23.7	2.077	2.911	13.2	21.7

185612 2008 CT_{49} 3 30.2 23.°63 2.°0/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.84	−11 10.3	2.356	3.121	13.3	20.0
3 2	12 54.86	−11 18.0	2.263	3.122	10.7	19.8
3 12	12 49.03	−11 12.8	2.192	3.123	7.6	19.6
3 22	12 41.81	−10 55.6	2.146	3.123	4.3	19.4
4 1	12 33.90	−10 29.0	2.129	3.124	2.0	19.3
4 11	12 26.11	− 9 56.9	2.141	3.126	4.2	19.4
4 21	12 19.21	− 9 23.8	2.181	3.127	7.5	19.6
5 1	12 13.82	− 8 54.3	2.246	3.128	10.6	19.8

162549 2000 QT_{213} 3 30.2 109.°46 0.°6/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.73	− 7 21.4	1.753	2.538	16.4	20.7
3 2	13 0.59	− 7 9.0	1.683	2.558	12.9	20.5
3 12	12 52.98	− 6 41.7	1.635	2.578	8.7	20.3
3 22	12 43.62	− 6 2.7	1.612	2.597	4.2	20.1
4 1	12 33.51	− 5 16.9	1.617	2.616	0.9	19.9
4 11	12 23.81	− 4 30.9	1.650	2.633	5.3	20.2
4 21	12 15.53	− 3 50.9	1.711	2.651	9.6	20.5
5 1	12 9.40	− 3 21.5	1.795	2.667	13.3	20.8

427322 2014 WC_{295} 3 30.2 2.°18 10.°2/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.24	+17 38.3	1.550	2.392	15.5	19.9
3 2	12 55.30	+19 35.8	1.494	2.391	12.8	19.7
3 12	12 49.73	+21 29.0	1.461	2.391	10.8	19.6
3 22	12 42.22	+23 5.5	1.452	2.391	10.3	19.6
4 1	12 33.82	+24 14.5	1.467	2.392	11.6	19.6
4 11	12 25.79	+24 49.2	1.505	2.392	14.1	19.8
4 21	12 19.20	+24 48.6	1.563	2.394	16.8	20.0
5 1	12 14.83	+24 15.3	1.638	2.395	19.3	20.1

385916 2006 TC_{38} 3 30.2 97.°51 0.°7/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.66	− 3 40.9	2.357	3.152	12.4	21.5
3 2	12 53.88	− 3 17.3	2.269	3.153	9.6	21.3
3 12	12 48.32	− 2 44.0	2.204	3.154	6.4	21.1
3 22	12 41.47	− 2 4.3	2.167	3.155	2.9	20.9
4 1	12 33.99	− 1 22.4	2.158	3.156	1.2	20.7
4 11	12 26.67	− 0 43.3	2.178	3.157	4.7	21.0
4 21	12 20.22	− 0 11.0	2.226	3.158	8.1	21.2
5 1	12 15.22	+ 0 11.0	2.298	3.158	11.2	21.4

411655 2011 WW_4 3 30.2 265.°62 4.°1/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.14	−15 26.4	1.926	2.669	16.6	23.0
3 2	13 2.42	−15 44.0	1.794	2.635	13.9	22.8
3 12	12 54.86	−15 43.4	1.682	2.599	10.5	22.5
3 22	12 44.84	−15 22.5	1.595	2.563	6.8	22.2
4 1	12 33.17	−14 41.8	1.535	2.525	4.1	21.9
4 11	12 21.06	−13 45.1	1.504	2.485	6.0	21.9
4 21	12 9.82	−12 39.5	1.500	2.444	10.3	22.1
5 1	12 0.64	−11 33.7	1.522	2.402	14.7	22.2

22419 1995 WP_5 3 30.2 62.°96 3.°2/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.70	+ 2 24.8	1.782	2.601	14.8	18.1
3 2	12 56.62	+ 3 6.2	1.718	2.616	11.3	17.9
3 12	12 50.30	+ 3 54.7	1.676	2.631	7.5	17.7
3 22	12 42.39	+ 4 44.2	1.661	2.647	4.0	17.5
4 1	12 33.82	+ 5 28.2	1.673	2.662	3.8	17.5
4 11	12 25.63	+ 6 0.6	1.712	2.678	7.2	17.7
4 21	12 18.72	+ 6 17.6	1.777	2.694	10.8	18.0
5 1	12 13.76	+ 6 17.6	1.864	2.709	14.0	18.2

384060 2008 UB_{289} 3 30.2 133.°64 2.°9/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.42	+ 2 44.4	2.127	2.937	13.0	21.9
3 2	12 56.16	+ 3 21.8	2.048	2.941	10.0	21.7
3 12	12 49.91	+ 4 5.4	1.993	2.946	6.7	21.5
3 22	12 42.22	+ 4 50.1	1.965	2.950	3.6	21.4
4 1	12 33.86	+ 5 30.5	1.965	2.954	3.5	21.4
4 11	12 25.74	+ 6 1.2	1.994	2.957	6.5	21.5
4 21	12 18.66	+ 6 18.8	2.049	2.961	9.8	21.8
5 1	12 13.24	+ 6 21.3	2.128	2.964	12.8	22.0

473713 2015 YF_{18} 3 30.2 178.°87 0.°7/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.72	− 5 6.1	1.880	2.671	15.2	22.7
3 2	12 59.08	− 4 28.5	1.793	2.674	11.9	22.5
3 12	12 52.08	− 3 36.7	1.728	2.675	7.9	22.3
3 22	12 43.29	− 2 34.7	1.689	2.676	3.6	22.0
4 1	12 33.62	− 1 28.6	1.678	2.676	1.4	21.9
4 11	12 24.16	− 0 25.8	1.697	2.675	5.8	22.1
4 21	12 15.89	+ 0 27.3	1.742	2.673	10.1	22.4
5 1	12 9.59	+ 1 5.9	1.812	2.671	13.8	22.6

258465 2001 YX_{126} 3 30.2 81.°30 3.°0/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.44	−13 23.7	1.839	2.603	16.5	20.8
3 2	12 58.08	−13 35.3	1.764	2.620	13.3	20.6
3 12	12 51.36	−13 29.0	1.709	2.637	9.7	20.4
3 22	12 42.93	−13 5.7	1.679	2.653	5.8	20.2
4 1	12 33.71	−12 28.4	1.677	2.669	3.1	20.1
4 11	12 24.82	−11 42.7	1.701	2.686	5.1	20.2
4 21	12 17.22	−10 55.2	1.753	2.702	8.8	20.5
5 1	12 11.62	−10 12.1	1.830	2.718	12.3	20.7

145033 2005 ET_{275} 3 30.2 289.°31 0.°4/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 55.66	−10 35.4	1.596	2.395	17.1	20.2
3 2	12 53.48	− 9 39.1	1.492	2.375	13.7	19.9
3 12	12 48.73	− 8 17.1	1.408	2.355	9.5	19.6
3 22	12 41.91	− 6 32.5	1.349	2.335	4.6	19.3
4 1	12 33.91	− 4 32.8	1.317	2.316	0.9	19.0
4 11	12 25.91	− 2 29.5	1.311	2.296	6.2	19.3
4 21	12 19.05	− 0 34.4	1.332	2.276	11.4	19.5
5 1	12 14.31	+ 1 2.2	1.376	2.256	16.0	19.7

40538 1999 RV_{103} 3 30.2 276.°14 4.°2/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.20	−15 33.9	1.641	2.409	18.0	18.1
3 2	12 57.03	−15 48.5	1.541	2.397	14.9	17.9
3 12	12 51.14	−15 41.5	1.460	2.384	11.2	17.6
3 22	12 43.03	−15 11.9	1.401	2.371	7.2	17.3
4 1	12 33.65	−14 21.7	1.368	2.358	4.2	17.1
4 11	12 24.27	−13 17.0	1.361	2.345	6.0	17.2
4 21	12 16.11	−12 6.2	1.380	2.332	10.2	17.4
5 1	12 10.18	−10 58.7	1.422	2.319	14.5	17.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
160463	2006 BJ_{118}		3 30.2	304.°76	4.°3/ 2.5	17
	h m	° ′			°	m
2 21	12 59.65	−14 57.3	1.808	2.572	16.7	20.3
3 2	12 56.51	−15 28.3	1.692	2.545	14.0	20.1
3 12	12 50.79	−15 42.0	1.597	2.519	10.6	19.8
3 22	12 42.90	−15 36.7	1.524	2.492	6.9	19.5
4 1	12 33.67	−15 13.2	1.477	2.466	4.4	19.3
4 11	12 24.23	−14 35.1	1.457	2.440	6.0	19.3
4 21	12 15.78	−13 48.7	1.463	2.414	9.9	19.5
5 1	12 9.35	−13 1.7	1.492	2.388	14.0	19.7
46315	2001 QR_{30}		3 30.2	165.°91	1.°2/28.8	18
2 21	13 0.39	− 3 11.6	2.286	3.078	12.8	19.4
3 2	12 56.02	− 2 28.1	2.200	3.083	9.9	19.2
3 12	12 49.78	− 1 34.0	2.138	3.088	6.5	19.0
3 22	12 42.17	− 0 33.3	2.104	3.091	2.9	18.8
4 1	12 33.92	+ 0 28.5	2.099	3.095	1.7	18.7
4 11	12 25.86	+ 1 25.7	2.123	3.097	5.2	18.9
4 21	12 18.74	+ 2 13.2	2.176	3.100	8.7	19.1
5 1	12 13.19	+ 2 47.6	2.253	3.101	11.8	19.3
17316	1198 T_{-1}		3 30.2	33.°05	1.°9/ 1.0	18
2 21	12 58.02	−10 47.0	2.030	2.807	14.7	18.4
3 2	12 54.49	−10 47.1	1.946	2.813	11.8	18.2
3 12	12 48.91	−10 32.2	1.884	2.820	8.3	18.0
3 22	12 41.82	−10 3.8	1.847	2.827	4.6	17.8
4 1	12 34.00	− 9 25.3	1.837	2.834	1.9	17.6
4 11	12 26.37	− 8 42.0	1.855	2.841	4.5	17.8
4 21	12 19.79	− 7 59.5	1.901	2.849	8.2	18.0
5 1	12 14.92	− 7 23.0	1.971	2.856	11.6	18.3
341485	2007 TX_{365}		3 30.2	211.°30	1.°2/28.9	17
2 21	12 57.80	− 3 2.2	2.201	3.000	13.0	21.6
3 2	12 54.16	− 2 25.9	2.112	2.999	10.1	21.4
3 12	12 48.61	− 1 39.0	2.047	2.998	6.7	21.1
3 22	12 41.67	− 0 45.4	2.008	2.996	3.0	20.9
4 1	12 34.04	+ 0 9.8	1.998	2.994	1.7	20.8
4 11	12 26.56	+ 1 0.7	2.017	2.993	5.3	21.0
4 21	12 20.01	+ 1 42.4	2.063	2.991	8.9	21.3
5 1	12 15.02	+ 2 11.2	2.133	2.989	12.1	21.5
495896	2005 LJ_{36}		3 30.2	225.°80	0.°3/29.9	17
2 21	13 1.08	− 5 57.3	2.101	2.887	14.0	22.3
3 2	12 56.92	− 5 26.1	1.999	2.877	11.0	22.1
3 12	12 50.62	− 4 41.2	1.920	2.866	7.4	21.8
3 22	12 42.66	− 3 45.7	1.867	2.854	3.4	21.6
4 1	12 33.81	− 2 44.8	1.843	2.842	1.0	21.3
4 11	12 25.02	− 1 44.6	1.849	2.829	5.2	21.6
4 21	12 17.20	− 0 51.4	1.882	2.815	9.3	21.8
5 1	12 11.09	− 0 10.2	1.939	2.801	12.9	22.0
217875	2001 QV_{219}		3 30.2	195.°72	5.°6/ 5.2	17
2 21	13 2.10	−22 52.2	2.349	3.046	15.1	20.6
3 2	12 57.65	−23 15.3	2.245	3.043	12.9	20.4
3 12	12 51.07	−23 19.0	2.160	3.040	10.3	20.2
3 22	12 42.86	−23 1.6	2.100	3.037	7.7	20.1
4 1	12 33.76	−22 23.6	2.066	3.032	5.8	19.9
4 11	12 24.73	−21 28.4	2.061	3.028	6.0	19.9
4 21	12 16.64	−20 21.8	2.083	3.022	8.2	20.1
5 1	12 10.26	−19 10.9	2.131	3.016	10.9	20.2
300079	2006 UF_{215}		3 30.2	210.°27	1.°3/28.8	17
2 21	12 59.62	− 0 56.7	2.565	3.358	11.5	22.1
3 2	12 55.27	− 0 37.7	2.471	3.355	8.9	21.9
3 12	12 49.22	− 0 11.7	2.402	3.351	5.9	21.7
3 22	12 41.92	+ 0 18.0	2.360	3.348	2.7	21.5
4 1	12 33.99	+ 0 47.8	2.348	3.344	1.7	21.4
4 11	12 26.19	+ 1 13.5	2.366	3.340	4.8	21.6
4 21	12 19.20	+ 1 31.8	2.411	3.335	8.0	21.8
5 1	12 13.58	+ 1 40.2	2.482	3.331	10.8	22.0
40519	1999 RQ_{94}		3 30.2	186.°29	0.°5/29.7	17
2 21	13 1.22	− 3 49.6	2.082	2.876	13.8	19.8
3 2	12 56.93	− 3 35.2	1.993	2.876	10.8	19.6
3 12	12 50.54	− 3 10.3	1.927	2.876	7.2	19.3
3 22	12 42.58	− 2 38.1	1.888	2.875	3.3	19.1
4 1	12 33.85	− 2 2.9	1.876	2.875	1.1	18.9
4 11	12 25.29	− 1 30.0	1.894	2.874	5.2	19.2
4 21	12 17.76	− 1 3.9	1.939	2.873	9.0	19.4
5 1	12 11.95	− 0 48.3	2.008	2.872	12.4	19.6
110858	2001 UR_{79}		3 30.2	241.°00	0.°5/29.7	17
2 21	12 59.76	− 5 20.4	1.984	2.778	14.4	20.9
3 2	12 56.01	− 4 48.9	1.886	2.769	11.3	20.7
3 12	12 50.07	− 4 3.6	1.810	2.759	7.6	20.4
3 22	12 42.42	− 3 8.0	1.761	2.749	3.4	20.2
4 1	12 33.88	− 2 7.3	1.740	2.738	1.2	20.0
4 11	12 25.42	− 1 8.4	1.747	2.727	5.5	20.2
4 21	12 17.98	− 0 17.5	1.781	2.716	9.6	20.5
5 1	12 12.31	+ 0 20.4	1.839	2.704	13.3	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
473467	2015 XU_{62}		3 30.2	319.°71	4.°3/26.8	18
	h m	° ′			°	m
2 21	12 59.42	+ 1 7.7	1.299	2.137	18.1	20.8
3 2	12 56.73	+ 2 14.2	1.224	2.133	14.0	20.5
3 12	12 51.03	+ 3 35.3	1.170	2.130	9.4	20.2
3 22	12 42.98	+ 5 2.1	1.139	2.126	5.1	19.9
4 1	12 33.75	+ 6 23.6	1.134	2.123	5.2	19.9
4 11	12 24.80	+ 7 28.4	1.153	2.120	9.6	20.2
4 21	12 17.42	+ 8 9.2	1.194	2.117	14.4	20.4
5 1	12 12.60	+ 8 22.8	1.256	2.114	18.6	20.7
505303	2012 XD_{23}		3 30.2	179.°98	4.°1/24.9	17
2 21	13 0.18	+ 9 28.1	2.791	3.597	10.4	22.7
3 2	12 55.51	+10 13.7	2.710	3.599	8.1	22.5
3 12	12 49.26	+11 0.3	2.655	3.599	5.8	22.4
3 22	12 41.90	+11 43.1	2.629	3.600	4.2	22.3
4 1	12 34.02	+12 17.5	2.632	3.599	4.6	22.3
4 11	12 26.32	+12 39.8	2.664	3.599	6.7	22.4
4 21	12 19.41	+12 47.9	2.723	3.598	9.1	22.6
5 1	12 13.80	+12 41.0	2.806	3.596	11.3	22.7
499156	2009 SW_{34}		3 30.2	174.°53	0.°9/31.1	17
2 21	13 0.63	− 8 59.9	2.254	3.026	13.6	22.9
3 2	12 56.32	− 8 40.2	2.161	3.029	10.8	22.7
3 12	12 50.06	− 8 6.7	2.092	3.031	7.4	22.4
3 22	12 42.34	− 7 21.8	2.049	3.032	3.7	22.2
4 1	12 33.91	− 6 29.4	2.035	3.033	0.9	22.0
4 11	12 25.64	− 5 34.9	2.050	3.033	4.4	22.3
4 21	12 18.33	− 4 43.8	2.093	3.033	8.1	22.5
5 1	12 12.62	− 4 1.1	2.162	3.033	11.4	22.7
61034	2000 KX_{56}		3 30.2	285.°93	0.°5/29.6	18
2 21	12 56.90	− 5 7.5	2.167	2.963	13.3	19.2
3 2	12 53.56	− 4 36.4	2.071	2.955	10.4	19.0
3 12	12 48.29	− 3 52.9	1.998	2.947	7.0	18.8
3 22	12 41.56	− 3 0.5	1.951	2.939	3.1	18.5
4 1	12 34.08	− 2 4.0	1.933	2.931	1.1	18.3
4 11	12 26.71	− 1 9.3	1.943	2.923	5.0	18.6
4 21	12 20.23	− 0 21.9	1.980	2.915	8.8	18.8
5 1	12 15.31	+ 0 13.7	2.042	2.907	12.2	19.0
283504	2001 SF_{309}		3 30.2	293.°02	2.°2/ 1.2	18
2 21	13 0.94	−10 44.4	2.223	2.988	13.9	20.6
3 2	12 56.68	−11 0.9	2.127	2.986	11.2	20.4
3 12	12 50.38	−11 4.6	2.053	2.984	8.0	20.2
3 22	12 42.53	−10 56.2	2.005	2.982	4.6	20.0
4 1	12 33.88	−10 37.8	1.985	2.980	2.2	19.8
4 11	12 25.32	−10 13.3	1.994	2.978	4.4	20.0
4 21	12 17.72	− 9 47.2	2.030	2.976	7.9	20.2
5 1	12 11.75	− 9 24.1	2.092	2.974	11.2	20.4
274477	2008 ST_{95}		3 30.2	195.°66	1.°3/31.7	18
2 21	12 58.20	−11 26.1	2.471	3.233	12.8	21.2
3 2	12 54.32	−10 56.5	2.371	3.230	10.2	21.0
3 12	12 48.66	−10 11.9	2.294	3.227	7.2	20.8
3 22	12 41.69	− 9 14.4	2.244	3.224	3.8	20.6
4 1	12 34.07	− 8 7.8	2.223	3.220	1.3	20.4
4 11	12 26.56	− 6 57.6	2.232	3.216	4.0	20.5
4 21	12 19.87	− 5 49.5	2.269	3.211	7.4	20.8
5 1	12 14.62	− 4 48.9	2.333	3.206	10.6	20.9
92882	2000 QQ_{224}		3 30.2	130.°01	1.°0/29.1	18
2 21	13 1.39	− 3 2.2	2.324	3.114	12.7	20.8
3 2	12 56.69	− 2 29.7	2.247	3.128	9.8	20.7
3 12	12 50.16	− 1 47.8	2.194	3.143	6.5	20.5
3 22	12 42.34	− 1 0.2	2.168	3.156	2.9	20.3
4 1	12 33.95	− 0 11.8	2.172	3.169	1.5	20.2
4 11	12 25.82	+ 0 32.4	2.206	3.182	4.9	20.4
4 21	12 18.67	+ 1 8.2	2.268	3.193	8.3	20.7
5 1	12 13.09	+ 1 32.4	2.354	3.205	11.3	20.9
135250	2001 SY_{33}		3 30.2	108.°04	0.°4/29.7	17
2 21	12 58.30	− 5 2.4	2.562	3.346	11.8	20.1
3 2	12 54.14	− 4 30.6	2.486	3.363	9.1	19.9
3 12	12 48.38	− 3 49.1	2.433	3.380	6.1	19.7
3 22	12 41.50	− 3 1.1	2.408	3.396	2.7	19.6
4 1	12 34.14	− 2 10.7	2.413	3.411	0.9	19.4
4 11	12 27.01	− 1 22.7	2.448	3.427	4.2	19.7
4 21	12 20.73	− 0 41.2	2.511	3.442	7.4	19.9
5 1	12 15.82	− 0 9.5	2.600	3.457	10.1	20.1
470452	2007 YP_{38}		3 30.2	29.°90	4.°6/ 3.9	17
2 21	12 58.74	−18 37.0	2.220	2.953	14.9	21.2
3 2	12 55.04	−19 1.8	2.128	2.956	12.5	21.0
3 12	12 49.31	−19 8.9	2.056	2.959	9.6	20.9
3 22	12 42.05	−18 57.7	2.007	2.962	6.7	20.7
4 1	12 34.00	−18 29.4	1.986	2.965	4.7	20.6
4 11	12 26.09	−17 47.9	1.992	2.969	5.3	20.6
4 21	12 19.13	−16 58.7	2.026	2.973	7.9	20.8
5 1	12 13.83	−16 7.9	2.085	2.976	10.8	20.9

231791 2000 DB_5 3 30.2 313.°29 6.°3/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 55.67	+ 9 12.6	1.855	2.691	13.6	19.5
3 2	12 52.97	+10 43.5	1.774	2.678	10.7	19.3
3 12	12 48.08	+12 19.5	1.716	2.666	7.9	19.1
3 22	12 41.53	+13 51.8	1.685	2.654	6.3	18.9
4 1	12 34.12	+15 11.2	1.680	2.642	7.4	19.0
4 11	12 26.86	+16 9.8	1.701	2.630	10.2	19.1
4 21	12 20.65	+16 43.2	1.746	2.619	13.4	19.3
5 1	12 16.23	+16 50.3	1.810	2.608	16.3	19.4

328759 2009 UN_{88} 3 30.2 210.°72 1.°3/28.7 18

2 21	13 0.33	− 2 38.0	2.376	3.167	12.4	21.8
3 2	12 56.03	− 1 57.5	2.277	3.160	9.6	21.6
3 12	12 49.85	− 1 6.9	2.203	3.152	6.4	21.4
3 22	12 42.27	− 0 9.8	2.156	3.144	2.9	21.2
4 1	12 33.96	+ 0 48.7	2.139	3.135	1.8	21.1
4 11	12 25.76	+ 1 43.0	2.152	3.125	5.2	21.3
4 21	12 18.41	+ 2 28.1	2.193	3.115	8.7	21.5
5 1	12 12.56	+ 3 0.5	2.258	3.104	11.9	21.6

466605 2014 UP_{204} 3 30.2 48.°89 4.°8/26.2 18

2 21	13 0.17	+ 4 45.3	1.517	2.350	16.2	20.9
3 2	12 56.63	+ 5 45.2	1.458	2.364	12.5	20.7
3 12	12 50.53	+ 6 51.6	1.422	2.378	8.4	20.5
3 22	12 42.60	+ 7 56.3	1.409	2.392	5.2	20.4
4 1	12 33.92	+ 8 50.5	1.424	2.407	5.6	20.4
4 11	12 25.69	+ 9 27.1	1.464	2.421	9.0	20.7
4 21	12 18.94	+ 9 42.2	1.527	2.437	12.7	20.9
5 1	12 14.38	+ 9 35.1	1.612	2.452	16.1	21.2

214921 2007 UY_{25} 3 30.2 2.°09 3.°1/27.9 17

2 21	13 0.94	+ 0 48.8	1.377	2.209	17.6	20.8
3 2	12 57.72	+ 1 21.3	1.303	2.208	13.7	20.6
3 12	12 51.58	+ 2 4.9	1.250	2.208	9.1	20.3
3 22	12 43.22	+ 2 53.2	1.220	2.208	4.5	20.0
4 1	12 33.76	+ 3 38.1	1.215	2.208	3.8	20.0
4 11	12 24.61	+ 4 11.3	1.236	2.209	8.2	20.3
4 21	12 17.01	+ 4 27.4	1.280	2.211	12.9	20.5
5 1	12 11.88	+ 4 23.3	1.345	2.213	17.1	20.8

1637 Swings 3 30.2 292.°88 1.°6/28.7 18

2 21	13 1.96	+ 0 36.4	2.235	3.035	12.8	15.3
3 2	12 57.37	+ 0 43.5	2.143	3.030	10.0	15.1
3 12	12 50.78	+ 0 56.5	2.076	3.026	6.6	14.9
3 22	12 42.71	+ 1 12.3	2.035	3.022	3.1	14.7
4 1	12 33.89	+ 1 26.9	2.023	3.018	2.1	14.6
4 11	12 25.21	+ 1 36.2	2.040	3.014	5.5	14.8
4 21	12 17.50	+ 1 37.3	2.084	3.010	9.0	15.0
5 1	12 11.41	+ 1 27.8	2.154	3.006	12.1	15.2

380728 2005 RM_{13} 3 30.2 213.°47 2.°5/ 1.5 18

2 21	13 5.90	−11 55.7	2.389	3.135	13.6	22.5
3 2	13 0.49	−12 14.2	2.280	3.126	11.1	22.3
3 12	12 52.95	−12 20.1	2.194	3.117	8.0	22.0
3 22	12 43.75	−12 13.6	2.134	3.107	4.7	21.8
4 1	12 33.64	−11 56.0	2.103	3.097	2.5	21.6
4 11	12 23.54	−11 30.9	2.103	3.085	4.5	21.8
4 21	12 14.32	−11 2.7	2.132	3.073	7.9	21.9
5 1	12 6.75	−10 36.0	2.187	3.060	11.2	22.1

493761 2015 TO_{314} 3 30.2 113.°79 1.°7/31.5 18

2 21	13 6.87	− 9 28.9	1.477	2.266	18.8	22.3
3 2	13 2.10	− 9 32.6	1.405	2.280	15.0	22.1
3 12	12 54.38	− 9 17.7	1.353	2.294	10.4	21.8
3 22	12 44.45	− 8 46.4	1.324	2.307	5.4	21.6
4 1	12 33.51	− 8 3.2	1.322	2.320	1.8	21.4
4 11	12 22.99	− 7 15.5	1.347	2.332	5.9	21.7
4 21	12 14.11	− 6 31.1	1.397	2.344	10.7	22.0
5 1	12 7.78	− 5 56.5	1.471	2.355	14.9	22.2

209393 2004 EE_{63} 3 30.2 291.°55 1.°1/31.4 17

2 21	12 57.19	− 9 34.7	2.209	2.987	13.6	20.6
3 2	12 53.79	− 9 20.4	2.111	2.981	10.9	20.4
3 12	12 48.46	− 8 51.9	2.036	2.975	7.6	20.2
3 22	12 41.67	− 8 11.1	1.986	2.969	3.9	19.9
4 1	12 34.12	− 7 21.8	1.964	2.962	1.2	19.7
4 11	12 26.68	− 6 29.3	1.971	2.956	4.4	19.9
4 21	12 20.13	− 5 39.1	2.006	2.950	8.1	20.1
5 1	12 15.13	− 4 56.4	2.065	2.944	11.5	20.3

204833 2007 PY_{34} 3 30.2 242.°69 0.°1/30.1 17

2 21	13 2.91	− 6 25.6	1.851	2.640	15.5	21.4
3 2	12 58.78	− 6 1.1	1.745	2.624	12.3	21.1
3 12	12 52.14	− 5 21.1	1.662	2.608	8.4	20.9
3 22	12 43.49	− 4 28.5	1.603	2.590	3.9	20.6
4 1	12 33.70	− 3 28.3	1.573	2.572	0.9	20.3
4 11	12 23.89	− 2 27.7	1.571	2.553	5.8	20.6
4 21	12 15.16	− 1 33.8	1.596	2.533	10.4	20.8
5 1	12 8.41	− 0 52.6	1.645	2.513	14.5	21.0

299898 2006 SB_{373} 3 30.2 222.°39 0.°2/30.4 17

2 21	12 57.12	− 7 14.5	3.052	3.822	10.4	22.3
3 2	12 53.16	− 6 44.8	2.943	3.811	8.2	22.1
3 12	12 47.75	− 6 4.9	2.858	3.799	5.6	21.9
3 22	12 41.27	− 5 17.1	2.802	3.787	2.6	21.7
4 1	12 34.23	− 4 24.6	2.775	3.774	0.5	21.5
4 11	12 27.25	− 3 31.6	2.780	3.761	3.6	21.7
4 21	12 20.88	− 2 42.1	2.814	3.747	6.6	21.9
5 1	12 15.63	− 1 59.7	2.874	3.733	9.2	22.1

413178 2002 QS_{116} 3 30.2 166.°93 0.°9/29.3 15

2 21	13 2.47	− 3 58.3	2.141	2.930	13.7	22.8
3 2	12 57.80	− 3 25.8	2.055	2.936	10.6	22.6
3 12	12 51.08	− 2 42.1	1.992	2.940	7.1	22.4
3 22	12 42.84	− 1 50.7	1.956	2.944	3.2	22.1
4 1	12 33.88	− 0 57.0	1.949	2.947	1.4	22.0
4 11	12 25.13	− 0 6.8	1.972	2.949	5.3	22.3
4 21	12 17.42	+ 0 34.9	2.022	2.951	9.0	22.5
5 1	12 11.42	+ 1 4.1	2.098	2.952	12.3	22.7

422791 2001 WR_{42} 3 30.2 146.°66 1.°0/31.5 15

2 21	13 0.89	−10 31.6	2.502	3.261	12.7	23.7
3 2	12 56.25	−10 2.5	2.416	3.274	10.1	23.5
3 12	12 49.86	− 9 19.6	2.353	3.286	7.0	23.4
3 22	12 42.23	− 8 25.3	2.317	3.298	3.6	23.2
4 1	12 34.03	− 7 23.6	2.310	3.308	1.1	23.0
4 11	12 26.04	− 6 19.8	2.335	3.318	4.0	23.2
4 21	12 18.96	− 5 19.1	2.388	3.327	7.3	23.4
5 1	12 13.34	− 4 26.3	2.468	3.335	10.2	23.6

164329 2005 AE_{69} 3 30.2 153.°66 2.°0/28.2 18

2 21	13 1.18	− 2 40.4	1.840	2.645	15.0	20.6
3 2	12 57.10	− 1 40.7	1.761	2.652	11.6	20.4
3 12	12 50.75	− 0 27.7	1.706	2.658	7.6	20.1
3 22	12 42.73	+ 0 53.0	1.676	2.664	3.5	19.9
4 1	12 33.92	+ 2 13.6	1.675	2.669	2.6	19.8
4 11	12 25.38	+ 3 26.0	1.702	2.674	6.6	20.1
4 21	12 18.03	+ 4 23.9	1.756	2.678	10.6	20.3
5 1	12 12.60	+ 5 3.3	1.833	2.682	14.1	20.6

152603 1995 VF_2 3 30.2 259.°83 1.°9/28.6 17

2 21	13 4.82	− 1 53.9	1.743	2.546	15.7	22.0
3 2	13 0.56	− 1 18.7	1.631	2.520	12.4	21.7
3 12	12 53.55	− 0 29.9	1.542	2.494	8.4	21.4
3 22	12 44.25	+ 0 28.3	1.478	2.466	3.9	21.1
4 1	12 33.55	+ 1 29.3	1.442	2.438	2.6	20.9
4 11	12 22.69	+ 2 24.9	1.434	2.409	7.2	21.1
4 21	12 12.91	+ 3 8.1	1.453	2.379	12.1	21.3
5 1	12 5.28	+ 3 33.5	1.493	2.348	16.4	21.5

99637 2002 GY_{107} 3 30.2 192.°69 4.°1/26.2 18

2 21	13 1.78	+ 3 33.6	1.870	2.686	14.3	19.7
3 2	12 57.61	+ 4 41.2	1.788	2.685	11.1	19.5
3 12	12 51.14	+ 5 57.1	1.730	2.683	7.5	19.3
3 22	12 42.93	+ 7 14.5	1.698	2.681	4.5	19.1
4 1	12 33.88	+ 8 25.3	1.695	2.678	4.9	19.1
4 11	12 25.04	+ 9 21.7	1.719	2.674	8.1	19.3
4 21	12 17.37	+ 9 59.0	1.769	2.670	11.8	19.5
5 1	12 11.60	+10 14.9	1.841	2.665	15.0	19.7

501181 2013 TQ_{102} 3 30.2 122.°92 0.°1/30.1 17

2 21	13 0.80	− 5 37.7	2.090	2.879	14.0	22.1
3 2	12 56.55	− 5 19.9	2.007	2.886	10.9	21.9
3 12	12 50.26	− 4 50.4	1.948	2.894	7.3	21.7
3 22	12 42.47	− 4 12.0	1.914	2.901	3.4	21.5
4 1	12 33.99	− 3 29.4	1.909	2.908	0.8	21.3
4 11	12 25.74	− 2 47.8	1.933	2.915	4.9	21.6
4 21	12 18.54	− 2 12.4	1.985	2.922	8.7	21.8
5 1	12 13.04	− 1 47.0	2.061	2.928	12.0	22.0

43728 1979 MA_3 3 30.2 100.°33 2.°3/ 1.1 18

2 21	13 2.06	−11 56.0	1.533	2.319	18.3	19.0
3 2	12 58.34	−11 50.5	1.456	2.327	14.8	18.8
3 12	12 51.88	−11 24.0	1.398	2.336	10.5	18.5
3 22	12 43.34	−10 38.1	1.364	2.344	5.8	18.3
4 1	12 33.80	− 9 37.8	1.355	2.352	2.3	18.1
4 11	12 24.57	− 8 31.0	1.374	2.360	5.6	18.3
4 21	12 16.81	− 7 26.5	1.418	2.368	10.2	18.6
5 1	12 11.38	− 6 31.8	1.485	2.376	14.4	18.8

63054 2000 WG_{100} 3 30.2 41.°43 3.°4/27.1 18

2 21	13 0.14	+ 3 4.0	1.829	2.649	14.4	18.8
3 2	12 56.32	+ 3 46.1	1.753	2.652	11.1	18.6
3 12	12 50.25	+ 4 35.2	1.700	2.654	7.5	18.4
3 22	12 42.51	+ 5 25.4	1.672	2.657	4.1	18.2
4 1	12 33.99	+ 6 10.1	1.672	2.660	4.1	18.2
4 11	12 25.74	+ 6 43.0	1.699	2.663	7.4	18.4
4 21	12 18.67	+ 7 0.1	1.752	2.666	11.1	18.6
5 1	12 13.50	+ 6 59.4	1.827	2.670	14.4	18.9

23127 2000 AV_{97} 3 30.2 108.°59 3.°4/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.09	+ 0 36.9	1.494	2.315	17.1	17.6
3 2	12 59.74	+ 1 35.2	1.431	2.330	13.1	17.4
3 12	12 52.67	+ 2 44.8	1.389	2.344	8.7	17.2
3 22	12 43.63	+ 3 58.1	1.372	2.359	4.4	16.9
4 1	12 33.76	+ 5 6.1	1.382	2.373	4.1	17.0
4 11	12 24.35	+ 6 0.1	1.418	2.386	8.1	17.2
4 21	12 16.52	+ 6 34.7	1.480	2.399	12.4	17.5
5 1	12 11.04	+ 6 47.6	1.563	2.411	16.1	17.8

229537 2005 YU_{42} 3 30.2 127.°51 1.°7/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.38	− 1 53.8	1.980	2.786	14.0	20.9
3 2	12 55.57	− 1 11.1	1.900	2.791	10.8	20.7
3 12	12 49.66	− 0 17.6	1.843	2.795	7.1	20.5
3 22	12 42.22	+ 0 42.0	1.812	2.800	3.3	20.2
4 1	12 34.07	+ 1 41.4	1.810	2.805	2.3	20.2
4 11	12 26.15	+ 2 34.1	1.835	2.809	6.0	20.4
4 21	12 19.30	+ 3 14.9	1.888	2.813	9.8	20.7
5 1	12 14.20	+ 3 40.5	1.964	2.817	13.1	20.9

289336 2005 AM_{80} 3 30.2 77.°72 0.°9/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.41	− 4 6.2	1.492	2.302	17.6	21.2
3 2	12 59.22	− 3 40.3	1.428	2.319	13.7	21.0
3 12	12 52.33	− 3 0.0	1.384	2.337	9.1	20.8
3 22	12 43.48	− 2 10.1	1.365	2.354	4.0	20.5
4 1	12 33.81	− 1 17.7	1.373	2.371	1.6	20.4
4 11	12 24.60	− 0 30.6	1.407	2.387	6.5	20.7
4 21	12 16.96	+ 0 4.9	1.466	2.404	11.0	21.0
5 1	12 11.65	+ 0 24.8	1.548	2.421	15.0	21.3

32583 2001 QZ_{101} 3 30.2 38.°69 2.°9/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 11.97	+ 4 49.7	1.692	2.496	16.1	17.4
3 2	13 5.75	+ 4 33.4	1.611	2.499	12.6	17.2
3 12	12 56.70	+ 4 19.0	1.552	2.502	8.5	16.9
3 22	12 45.53	+ 4 2.4	1.520	2.505	4.3	16.7
4 1	12 33.36	+ 3 39.8	1.515	2.508	3.4	16.6
4 11	12 21.53	+ 3 8.0	1.540	2.511	7.2	16.9
4 21	12 11.24	+ 2 25.8	1.592	2.515	11.4	17.1
5 1	12 3.38	+ 1 32.8	1.667	2.519	15.1	17.4

251628 2010 JK_{105} 3 30.2 337.°70 14.°2/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.88	−40 15.2	2.051	2.635	19.8	19.7
3 2	12 59.62	−42 19.0	1.954	2.624	18.6	19.5
3 12	12 53.31	−43 59.5	1.871	2.613	17.2	19.4
3 22	12 44.31	−45 9.3	1.805	2.603	15.8	19.2
4 1	12 33.55	−45 42.2	1.758	2.594	14.7	19.1
4 11	12 22.46	−45 36.1	1.731	2.586	14.2	19.1
4 21	12 12.54	−44 54.0	1.724	2.578	14.4	19.1
5 1	12 5.11	−43 43.4	1.737	2.571	15.4	19.1

107670 2001 FE_5 3 30.2 287.°56 0.°1/30.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.11	− 6 13.4	1.625	2.429	16.6	19.8
3 2	12 56.97	− 5 57.4	1.522	2.410	13.2	19.5
3 12	12 51.15	− 5 25.0	1.441	2.390	9.1	19.2
3 22	12 43.14	− 4 38.9	1.384	2.371	4.3	18.9
4 1	12 33.86	− 3 44.5	1.353	2.351	0.9	18.6
4 11	12 24.53	− 2 49.4	1.348	2.332	6.2	18.9
4 21	12 16.37	− 2 1.2	1.369	2.313	11.2	19.1
5 1	12 10.39	− 1 26.4	1.413	2.293	15.6	19.3

461506 2003 QE_{29} 3 30.2 235.°25 2.°7/ 1.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.13	−12 2.1	2.125	2.875	15.0	21.9
3 2	13 1.87	−12 21.4	2.010	2.859	12.2	21.6
3 12	12 54.15	−12 26.8	1.917	2.841	8.9	21.4
3 22	12 44.45	−12 17.8	1.849	2.823	5.3	21.1
4 1	12 33.58	−11 56.0	1.810	2.804	2.7	20.9
4 11	12 22.59	−11 25.1	1.801	2.783	5.1	21.0
4 21	12 12.56	−10 50.4	1.820	2.762	8.9	21.2
5 1	12 4.40	−10 17.7	1.865	2.740	12.7	21.4

415051 2012 AX_5 3 30.2 25.°34 2.°6/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.84	−11 31.8	1.353	2.155	19.5	20.6
3 2	12 56.19	−11 35.8	1.280	2.160	15.7	20.4
3 12	12 50.63	−11 17.6	1.225	2.167	11.2	20.1
3 22	12 42.84	−10 38.7	1.192	2.174	6.2	19.8
4 1	12 33.96	− 9 44.2	1.184	2.181	2.6	19.6
4 11	12 25.40	− 8 42.5	1.202	2.189	6.0	19.9
4 21	12 18.40	− 7 42.8	1.243	2.198	10.9	20.2
5 1	12 13.87	− 6 53.4	1.306	2.207	15.3	20.4

36723 2000 RE_{43} 3 30.2 291.°54 4.°5/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.41	−16 15.7	1.510	2.283	19.1	18.7
3 2	12 56.66	−16 30.0	1.415	2.274	15.9	18.4
3 12	12 51.06	−16 20.2	1.339	2.264	12.0	18.1
3 22	12 43.13	−15 45.2	1.284	2.254	7.7	17.9
4 1	12 33.88	−14 47.3	1.255	2.245	4.6	17.6
4 11	12 24.66	−13 33.3	1.250	2.235	6.3	17.7
4 21	12 16.79	−12 13.0	1.271	2.226	10.7	17.9
5 1	12 11.31	−10 56.7	1.314	2.217	15.1	18.2

150925 2001 TT_{62} 3 30.2 78.°08 4.°7/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.30	+ 6 52.3	1.735	2.556	15.1	19.3
3 2	12 59.48	+ 7 35.8	1.676	2.573	11.6	19.1
3 12	12 52.27	+ 8 22.2	1.639	2.590	8.0	18.9
3 22	12 43.40	+ 9 4.7	1.628	2.608	5.1	18.8
4 1	12 33.87	+ 9 36.4	1.645	2.625	5.4	18.8
4 11	12 24.82	+ 9 52.2	1.689	2.642	8.4	19.0
4 21	12 17.17	+ 9 49.6	1.758	2.659	11.8	19.3
5 1	12 11.61	+ 9 28.5	1.849	2.676	14.8	19.5

63283 2001 DA_{46} 3 30.2 175.°07 1.°5/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.06	− 0 57.7	2.746	3.544	10.7	20.0
3 2	12 52.43	− 0 18.6	2.658	3.545	8.3	19.8
3 12	12 47.30	+ 0 27.7	2.594	3.545	5.4	19.7
3 22	12 41.09	+ 1 17.8	2.558	3.546	2.5	19.5
4 1	12 34.37	+ 2 7.4	2.552	3.546	1.9	19.4
4 11	12 27.78	+ 2 52.1	2.576	3.546	4.7	19.6
4 21	12 21.91	+ 3 28.2	2.627	3.546	7.6	19.8
5 1	12 17.26	+ 3 53.0	2.704	3.546	10.2	20.0

462173 2007 TD_{273} 3 30.2 62.°70 6.°5/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.18	+ 9 52.0	1.431	2.263	17.1	21.0
3 2	13 1.48	+10 38.6	1.374	2.275	13.4	20.8
3 12	12 53.88	+11 25.5	1.338	2.288	9.6	20.6
3 22	12 44.21	+12 4.3	1.326	2.300	6.8	20.4
4 1	12 33.70	+12 26.5	1.339	2.313	7.3	20.5
4 11	12 23.76	+12 26.5	1.378	2.326	10.4	20.7
4 21	12 15.56	+12 3.1	1.441	2.339	14.1	20.9
5 1	12 9.88	+11 17.9	1.523	2.352	17.4	21.2

18546 1997 AP_4 3 30.2 29.°19 0.°2/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.09	− 7 11.7	1.274	2.096	19.3	17.1
3 2	12 55.64	− 6 50.2	1.208	2.105	15.2	16.9
3 12	12 50.24	− 6 8.6	1.161	2.114	10.3	16.6
3 22	12 42.64	− 5 11.3	1.137	2.125	4.8	16.3
4 1	12 34.02	− 4 5.9	1.137	2.136	1.0	16.1
4 11	12 25.82	− 3 2.3	1.162	2.147	6.6	16.5
4 21	12 19.24	− 2 9.3	1.210	2.160	11.7	16.8
5 1	12 15.16	− 1 33.2	1.280	2.173	16.1	17.1

362751 2011 UU_{383} 3 30.2 177.°24 3.°8/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.43	−15 47.7	1.805	2.559	17.1	21.7
3 2	12 59.18	−15 56.7	1.714	2.560	14.1	21.5
3 12	12 52.38	−15 45.2	1.642	2.562	10.5	21.3
3 22	12 43.61	−15 12.9	1.594	2.563	6.7	21.1
4 1	12 33.80	−14 22.5	1.573	2.563	3.9	20.9
4 11	12 24.15	−13 19.9	1.580	2.563	5.5	21.0
4 21	12 15.75	−12 12.8	1.613	2.562	9.3	21.2
5 1	12 9.46	−11 9.4	1.671	2.560	13.1	21.4

494836 2007 UR_9 3 30.2 221.°78 1.°3/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.03	− 4 0.8	2.141	2.931	13.6	23.0
3 2	12 57.67	− 3 7.6	2.037	2.919	10.7	22.7
3 12	12 51.16	− 2 0.6	1.957	2.906	7.1	22.5
3 22	12 43.00	− 0 44.1	1.904	2.892	3.2	22.2
4 1	12 33.93	+ 0 35.8	1.880	2.876	1.9	22.1
4 11	12 24.91	+ 1 51.7	1.886	2.860	5.8	22.3
4 21	12 16.84	+ 2 57.0	1.920	2.843	9.8	22.5
5 1	12 10.45	+ 3 47.0	1.979	2.825	13.3	22.7

374302 2005 SB_{150} 3 30.2 217.°40 2.°7/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.85	+ 2 43.2	1.934	2.741	14.3	21.2
3 2	12 59.95	+ 3 1.6	1.847	2.737	11.1	21.0
3 12	12 52.71	+ 3 25.9	1.782	2.733	7.4	20.8
3 22	12 43.70	+ 3 51.5	1.744	2.730	3.8	20.5
4 1	12 33.80	+ 4 13.2	1.734	2.725	3.3	20.5
4 11	12 24.09	+ 4 25.8	1.752	2.721	6.8	20.7
4 21	12 15.54	+ 4 25.9	1.798	2.716	10.6	20.9
5 1	12 8.94	+ 4 11.9	1.866	2.711	14.0	21.1

434988 2006 UV_{155} 3 30.2 199.°89 0.°8/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 55.90	− 4 59.0	2.740	3.526	11.1	22.0
3 2	12 52.35	− 4 3.0	2.644	3.523	8.6	21.8
3 12	12 47.28	− 2 56.0	2.572	3.520	5.7	21.6
3 22	12 41.10	− 1 41.6	2.528	3.516	2.5	21.4
4 1	12 34.37	− 0 24.7	2.515	3.512	1.3	21.3
4 11	12 27.76	+ 0 49.2	2.532	3.507	4.4	21.5
4 21	12 21.85	+ 1 55.3	2.578	3.503	7.5	21.7
5 1	12 17.17	+ 2 49.7	2.650	3.498	10.3	21.9

246880 1995 SR_{54} 3 30.2 181.°67 0.°5/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.27	− 5 20.1	2.167	2.951	13.7	22.0
3 2	12 57.69	− 4 45.1	2.075	2.953	10.7	21.8
3 12	12 51.06	− 3 57.6	2.007	2.953	7.2	21.6
3 22	12 42.90	− 3 1.0	1.966	2.953	3.2	21.3
4 1	12 33.98	− 2 0.5	1.954	2.952	1.1	21.2
4 11	12 25.23	− 1 2.2	1.972	2.951	5.1	21.4
4 21	12 17.48	− 0 11.8	2.018	2.948	8.9	21.7
5 1	12 11.42	+ 0 26.5	2.088	2.945	12.3	21.9

494230 2016 NZ_{44} 3 30.2 270.°51 0.°7/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.05	− 4 7.5	2.340	3.135	12.5	21.7
3 2	12 53.54	− 3 37.4	2.245	3.129	9.7	21.5
3 12	12 48.23	− 2 56.6	2.174	3.123	6.5	21.3
3 22	12 41.59	− 2 8.6	2.130	3.117	2.9	21.0
4 1	12 34.27	− 1 17.8	2.114	3.112	1.2	20.9
4 11	12 27.06	− 0 29.5	2.127	3.106	4.8	21.1
4 21	12 20.69	+ 0 11.5	2.168	3.100	8.3	21.3
5 1	12 15.77	+ 0 41.5	2.233	3.094	11.4	21.5

287060 2002 RB_4 3 30.2 270.°49 2.°1/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.79	−13 44.2	1.767	2.542	16.7	21.3
3 2	12 54.97	−13 10.2	1.659	2.524	13.6	21.0
3 12	12 49.70	−12 12.3	1.571	2.505	9.8	20.7
3 22	12 42.45	−10 51.7	1.507	2.486	5.5	20.4
4 1	12 34.06	− 9 13.2	1.470	2.467	2.1	20.1
4 11	12 25.66	− 7 25.7	1.461	2.447	5.4	20.3
4 21	12 18.33	− 5 39.4	1.478	2.427	10.0	20.5
5 1	12 12.99	− 4 4.2	1.520	2.407	14.3	20.7

251845 1999 TX_{271} 3 30.2 128.°38 3.°4/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.40	−14 49.8	2.074	2.815	15.6	21.2
3 2	13 0.97	−15 6.4	1.992	2.833	12.7	21.0
3 12	12 53.27	−15 6.0	1.932	2.849	9.4	20.8
3 22	12 43.91	−14 48.9	1.897	2.865	5.9	20.6
4 1	12 33.78	−14 17.3	1.890	2.879	3.4	20.5
4 11	12 23.92	−13 35.8	1.912	2.894	5.0	20.6
4 21	12 15.26	−12 50.4	1.963	2.907	8.3	20.9
5 1	12 8.53	−12 7.0	2.039	2.920	11.5	21.1

284705 2008 SX_{298} 3 30.2 238.°85 2.°4/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.41	− 1 48.6	1.649	2.461	16.1	21.9
3 2	12 58.63	− 0 56.3	1.554	2.448	12.6	21.6
3 12	12 52.17	+ 0 11.0	1.481	2.435	8.4	21.4
3 22	12 43.58	+ 1 27.7	1.433	2.421	4.0	21.1
4 1	12 33.82	+ 2 45.6	1.412	2.406	3.1	21.0
4 11	12 24.11	+ 3 55.5	1.419	2.391	7.6	21.2
4 21	12 15.64	+ 4 49.6	1.451	2.375	12.2	21.4
5 1	12 9.34	+ 5 23.2	1.505	2.359	16.3	21.6

264742 2002 CU_{192} 3 30.2 85.°79 0.°8/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.04	− 3 49.2	1.859	2.660	15.0	21.0
3 2	12 56.97	− 3 26.1	1.783	2.670	11.6	20.8
3 12	12 50.66	− 2 51.2	1.730	2.680	7.7	20.6
3 22	12 42.72	− 2 8.5	1.702	2.690	3.5	20.3
4 1	12 34.04	− 1 23.3	1.702	2.699	1.4	20.2
4 11	12 25.65	− 0 41.9	1.730	2.709	5.6	20.5
4 21	12 18.45	− 0 9.4	1.784	2.719	9.6	20.8
5 1	12 13.14	+ 0 10.4	1.862	2.728	13.1	21.0

437338 2013 SK_{66} 3 30.2 253.°69 1.°8/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.16	−12 15.0	1.117	1.936	21.7	21.8
3 2	12 54.85	− 9 56.9	1.030	1.927	17.2	21.5
3 12	12 50.21	− 6 51.3	0.962	1.918	11.5	21.1
3 22	12 42.85	− 3 6.4	0.918	1.908	5.0	20.7
4 1	12 33.99	+ 0 58.2	0.901	1.898	3.1	20.6
4 11	12 25.28	+ 4 55.5	0.911	1.888	9.8	20.9
4 21	12 18.26	+ 8 20.9	0.945	1.877	16.3	21.2
5 1	12 14.11	+10 59.3	1.000	1.866	21.7	21.5

141380 2002 AF_{68} 3 30.2 61.°28 4.°7/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.58	−20 13.7	2.410	3.128	14.2	19.8
3 2	12 54.81	−20 36.0	2.314	3.130	12.0	19.6
3 12	12 49.14	−20 40.9	2.238	3.132	9.4	19.5
3 22	12 42.04	−20 27.7	2.187	3.134	6.8	19.3
4 1	12 34.20	−19 57.3	2.162	3.136	4.9	19.2
4 11	12 26.47	−19 13.4	2.166	3.139	5.3	19.2
4 21	12 19.63	−18 21.0	2.197	3.141	7.5	19.3
5 1	12 14.31	−17 26.1	2.253	3.143	10.2	19.5

317892 2003 UC_{165} 3 30.2 138.°69 0.°4/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.27	− 5 21.3	1.932	2.721	14.9	22.0
3 2	12 58.62	− 4 51.6	1.853	2.733	11.6	21.8
3 12	12 51.74	− 4 8.8	1.797	2.744	7.8	21.6
3 22	12 43.23	− 3 16.6	1.767	2.754	3.5	21.4
4 1	12 33.97	− 2 20.7	1.765	2.764	1.1	21.2
4 11	12 25.00	− 1 27.4	1.793	2.773	5.4	21.5
4 21	12 17.22	− 0 42.6	1.847	2.781	9.4	21.8
5 1	12 11.34	− 0 10.5	1.926	2.789	12.9	22.0

151018 2001 UV_{116} 3 30.2 67.°83 0.°8/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.98	− 5 20.3	1.675	2.480	16.2	20.1
3 2	12 56.28	− 4 39.2	1.610	2.499	12.5	19.9
3 12	12 50.24	− 3 43.2	1.567	2.518	8.3	19.7
3 22	12 42.53	− 2 37.4	1.549	2.538	3.7	19.4
4 1	12 34.13	− 1 28.9	1.559	2.557	1.4	19.3
4 11	12 26.14	− 0 25.5	1.596	2.576	5.9	19.6
4 21	12 19.47	+ 0 26.3	1.659	2.595	10.1	19.9
5 1	12 14.82	+ 1 2.1	1.745	2.614	13.7	20.2

317088 2001 SA_{342} 3 30.2 211.°61 3.°1/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.00	−15 38.1	1.960	2.716	15.9	21.0
3 2	12 55.54	−15 24.6	1.863	2.713	13.0	20.8
3 12	12 49.85	−14 50.3	1.787	2.710	9.6	20.6
3 22	12 42.44	−13 56.0	1.735	2.706	5.9	20.3
4 1	12 34.14	−12 45.4	1.710	2.703	3.1	20.1
4 11	12 25.96	−11 25.0	1.714	2.699	4.9	20.2
4 21	12 18.85	−10 2.7	1.745	2.694	8.7	20.5
5 1	12 13.57	− 8 46.3	1.800	2.690	12.3	20.7

302346 2002 AJ_{172} 3 30.2 35.°39 0.°7/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.93	− 7 3.4	1.206	2.028	20.2	20.5
3 2	12 58.02	− 7 1.2	1.143	2.038	16.0	20.3
3 12	12 51.94	− 6 39.7	1.098	2.050	10.9	20.0
3 22	12 43.48	− 6 2.4	1.074	2.062	5.2	19.8
4 1	12 33.93	− 5 15.7	1.075	2.074	1.0	19.5
4 11	12 24.85	− 4 28.8	1.101	2.088	6.6	19.9
4 21	12 17.55	− 3 49.8	1.150	2.102	11.9	20.2
5 1	12 12.97	− 3 25.1	1.220	2.116	16.5	20.5

154271 2002 SZ_{17} 3 30.2 84.°81 0.°2/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.77	− 6 12.4	1.335	2.147	19.2	20.7
3 2	12 59.93	− 5 50.1	1.269	2.160	15.0	20.4
3 12	12 53.07	− 5 9.4	1.222	2.173	10.1	20.2
3 22	12 43.96	− 4 15.0	1.198	2.186	4.6	19.9
4 1	12 33.84	− 3 14.2	1.200	2.198	1.1	19.7
4 11	12 24.18	− 2 16.3	1.228	2.211	6.7	20.1
4 21	12 16.24	− 1 29.4	1.280	2.224	11.7	20.4
5 1	12 10.89	− 0 59.0	1.354	2.236	16.1	20.7

380320 2002 GF_{178} 3 30.2 324.°96 1.°7/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.89	− 1 30.8	1.676	2.494	15.6	21.1
3 2	12 55.78	− 1 9.4	1.586	2.483	12.2	20.8
3 12	12 50.19	− 0 36.6	1.518	2.472	8.1	20.5
3 22	12 42.66	+ 0 3.1	1.473	2.462	3.7	20.2
4 1	12 34.10	+ 0 43.8	1.456	2.452	2.3	20.1
4 11	12 25.66	+ 1 18.6	1.465	2.443	6.6	20.4
4 21	12 18.39	+ 1 42.0	1.499	2.434	11.1	20.6
5 1	12 13.17	+ 1 50.1	1.556	2.426	15.0	20.8

506453 2001 VW_{77} 3 30.2 79.°41 0.°5/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 55.38	− 3 46.6	3.159	3.943	9.8	22.3
3 2	12 51.65	− 3 24.0	3.080	3.958	7.6	22.2
3 12	12 46.66	− 2 54.5	3.027	3.973	5.0	22.0
3 22	12 40.79	− 2 20.6	3.001	3.988	2.2	21.8
4 1	12 34.54	− 1 45.3	3.005	4.003	0.8	21.7
4 11	12 28.45	− 1 12.0	3.040	4.018	3.6	22.0
4 21	12 23.01	− 0 43.6	3.103	4.033	6.2	22.2
5 1	12 18.63	− 0 22.6	3.192	4.048	8.5	22.3

308157 2005 AJ_{57} 3 30.2 93.°43 1.°0/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.61	− 5 16.8	1.595	2.401	16.8	20.9
3 2	12 57.71	− 4 28.2	1.528	2.418	13.1	20.7
3 12	12 51.28	− 3 23.3	1.483	2.435	8.6	20.5
3 22	12 43.05	− 2 8.0	1.463	2.451	3.8	20.2
4 1	12 34.05	− 0 50.0	1.470	2.467	1.7	20.1
4 11	12 25.46	+ 0 21.8	1.504	2.483	6.3	20.4
4 21	12 18.30	+ 1 20.2	1.564	2.499	10.7	20.7
5 1	12 13.29	+ 2 0.5	1.647	2.514	14.5	21.0

18852 1999 RP_{91} 3 30.2 273.°07 0.°5/29.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.38	− 4 28.2	2.483	3.273	12.0	18.3
3 2	12 53.77	− 4 3.8	2.377	3.258	9.4	18.1
3 12	12 48.41	− 3 29.3	2.295	3.243	6.3	17.8
3 22	12 41.72	− 2 47.3	2.240	3.228	2.8	17.6
4 1	12 34.32	− 2 2.0	2.214	3.212	1.0	17.4
4 11	12 26.96	− 1 18.0	2.218	3.197	4.6	17.6
4 21	12 20.35	− 0 39.9	2.249	3.182	8.0	17.8
5 1	12 15.11	− 0 11.5	2.305	3.166	11.1	18.0

273001 2006 DJ_{68} 3 30.2 20.°89 3.°3/27.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.35	+ 4 20.5	1.720	2.538	15.3	19.6
3 2	12 59.76	+ 4 31.4	1.644	2.541	11.9	19.4
3 12	12 52.67	+ 4 46.5	1.591	2.544	8.0	19.2
3 22	12 43.71	+ 5 0.9	1.563	2.548	4.3	19.0
4 1	12 33.90	+ 5 9.1	1.562	2.552	3.9	19.0
4 11	12 24.40	+ 5 6.4	1.588	2.556	7.4	19.2
4 21	12 16.25	+ 4 50.3	1.640	2.561	11.3	19.4
5 1	12 10.23	+ 4 19.6	1.715	2.567	14.8	19.6

107373 2001 CR_{31} 3 30.2 133.°51 1.°9/29.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 22.64	+ 2 50.7	1.216	2.021	21.1	18.7
3 2	13 15.26	+ 2 8.4	1.141	2.028	16.7	18.4
3 12	13 3.77	+ 1 28.8	1.086	2.035	11.3	18.1
3 22	12 49.04	+ 0 48.7	1.055	2.042	5.3	17.8
4 1	12 32.74	+ 0 4.9	1.051	2.048	2.5	17.6
4 11	12 16.99	− 0 44.8	1.075	2.054	8.3	18.0
4 21	12 3.65	− 1 41.5	1.125	2.060	13.9	18.3
5 1	11 53.93	− 2 45.5	1.197	2.065	18.8	18.6

253090 2002 TY_{251} 3 30.2 163.°11 1.°4/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.81	− 2 47.7	2.198	2.991	13.3	22.1
3 2	12 57.25	− 2 3.6	2.114	2.997	10.3	21.9
3 12	12 50.72	− 1 8.7	2.053	3.003	6.8	21.7
3 22	12 42.76	− 0 7.4	2.020	3.008	3.1	21.4
4 1	12 34.11	+ 0 54.7	2.016	3.012	1.9	21.3
4 11	12 25.68	+ 1 51.4	2.042	3.016	5.5	21.6
4 21	12 18.25	+ 2 37.7	2.096	3.019	9.1	21.8
5 1	12 12.47	+ 3 10.2	2.174	3.021	12.2	22.0

7153 Vladzakharov 3 30.2 109.°08 0.°2/30.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.20	− 6 24.9	1.651	2.446	16.8	18.4
3 2	12 59.71	− 6 8.6	1.578	2.460	13.2	18.2
3 12	12 52.66	− 5 37.2	1.526	2.473	8.9	18.0
3 22	12 43.71	− 4 54.1	1.499	2.485	4.2	17.7
4 1	12 33.91	− 4 5.0	1.499	2.498	0.8	17.5
4 11	12 24.47	− 3 17.0	1.527	2.510	5.7	17.9
4 21	12 16.45	− 2 36.4	1.581	2.522	10.2	18.2
5 1	12 10.63	− 2 8.2	1.658	2.533	14.0	18.4

391339 2006 UV_{87} 3 30.2 108.°83 2.°9/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.89	−13 47.5	1.391	2.176	19.9	21.0
3 2	12 59.29	−13 34.8	1.318	2.187	16.1	20.8
3 12	12 52.69	−12 56.7	1.263	2.198	11.6	20.5
3 22	12 43.82	−11 55.0	1.231	2.209	6.6	20.3
4 1	12 33.89	−10 35.2	1.224	2.220	2.9	20.1
4 11	12 24.34	− 9 7.5	1.243	2.230	6.0	20.3
4 21	12 16.44	− 7 42.5	1.288	2.240	10.8	20.6
5 1	12 11.09	− 6 29.9	1.355	2.249	15.3	20.9

228395 2001 BC_{27} 3 30.2 50.°92 5.°1/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.56	+ 5 22.7	1.634	2.467	15.2	20.1
3 2	12 55.21	+ 6 40.4	1.580	2.485	11.7	19.9
3 12	12 49.53	+ 8 3.7	1.549	2.504	8.0	19.7
3 22	12 42.22	+ 9 24.1	1.543	2.523	5.3	19.6
4 1	12 34.26	+10 32.7	1.564	2.542	5.9	19.7
4 11	12 26.74	+11 22.1	1.611	2.561	9.0	19.9
4 21	12 20.57	+11 48.9	1.682	2.581	12.4	20.1
5 1	12 16.38	+11 52.3	1.775	2.601	15.4	20.4

186565 2002 YQ_{16} 3 30.2 46.°66 3.°2/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.61	+ 0 51.7	1.457	2.285	17.0	19.6
3 2	12 57.15	+ 1 35.6	1.395	2.298	13.1	19.4
3 12	12 51.02	+ 2 29.7	1.355	2.312	8.6	19.2
3 22	12 42.97	+ 3 27.3	1.339	2.326	4.3	19.0
4 1	12 34.11	+ 4 20.0	1.348	2.341	3.9	19.0
4 11	12 25.69	+ 5 0.1	1.384	2.355	7.9	19.2
4 21	12 18.78	+ 5 22.6	1.444	2.371	12.1	19.5
5 1	12 14.15	+ 5 25.3	1.526	2.386	15.8	19.8

437476 2013 YA_{47} 3 30.2 86.°89 2.°8/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.93	+ 1 30.0	2.224	3.036	12.5	21.2
3 2	12 53.43	+ 2 30.0	2.149	3.044	9.5	21.0
3 12	12 48.14	+ 3 37.7	2.099	3.053	6.3	20.8
3 22	12 41.56	+ 4 47.6	2.076	3.061	3.4	20.6
4 1	12 34.41	+ 5 53.5	2.081	3.069	3.4	20.7
4 11	12 27.48	+ 6 49.3	2.116	3.077	6.3	20.9
4 21	12 21.48	+ 7 30.8	2.177	3.086	9.5	21.1
5 1	12 16.98	+ 7 55.7	2.261	3.094	12.3	21.3

302881 2003 JH_{17} 3 30.2 329.°59 5.°9/25.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.57	+ 5 18.8	1.250	2.097	18.1	19.8
3 2	12 57.09	+ 6 18.6	1.176	2.088	14.2	19.6
3 12	12 51.47	+ 7 27.7	1.121	2.080	9.8	19.3
3 22	12 43.38	+ 8 36.5	1.089	2.071	6.3	19.1
4 1	12 33.99	+ 9 34.0	1.081	2.064	6.8	19.1
4 11	12 24.85	+10 9.9	1.096	2.057	10.9	19.2
4 21	12 17.32	+10 19.0	1.134	2.051	15.5	19.5
5 1	12 12.45	+10 0.0	1.190	2.045	19.6	19.7

170894 2004 TH_{298} 3 30.2 242.°74 0.°2/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.82	− 6 43.4	1.754	2.549	16.0	21.1
3 2	12 58.08	− 6 10.3	1.653	2.535	12.7	20.9
3 12	12 51.78	− 5 19.9	1.573	2.520	8.6	20.6
3 22	12 43.45	− 4 15.5	1.518	2.505	4.0	20.3
4 1	12 33.97	− 3 3.0	1.491	2.490	1.0	20.0
4 11	12 24.51	− 1 50.7	1.492	2.473	6.0	20.3
4 21	12 16.18	− 0 46.6	1.519	2.456	10.7	20.5
5 1	12 9.90	+ 0 3.0	1.569	2.439	14.9	20.7

148308 2000 LF_{36} 3 30.2 331.°78 3.°4/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 55.86	−12 57.8	1.404	2.203	19.1	19.2
3 2	12 54.07	−13 10.6	1.311	2.188	15.6	18.9
3 12	12 49.44	−13 0.8	1.236	2.174	11.5	18.7
3 22	12 42.47	−12 28.6	1.183	2.161	6.8	18.3
4 1	12 34.17	−11 36.8	1.154	2.149	3.4	18.1
4 11	12 25.89	−10 33.0	1.149	2.137	6.2	18.2
4 21	12 18.94	− 9 26.6	1.169	2.127	11.0	18.5
5 1	12 14.39	− 8 27.2	1.210	2.118	15.7	18.7

135442 2001 UF_{206} 3 30.2 153.°84 4.°0/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.14	+ 7 33.2	2.443	3.254	11.5	19.9
3 2	12 55.76	+ 8 16.8	2.365	3.257	8.9	19.7
3 12	12 49.62	+ 9 2.6	2.313	3.261	6.2	19.6
3 22	12 42.23	+ 9 45.6	2.287	3.264	4.2	19.4
4 1	12 34.28	+10 20.7	2.291	3.267	4.5	19.5
4 11	12 26.52	+10 43.6	2.324	3.269	6.9	19.6
4 21	12 19.67	+10 51.8	2.383	3.272	9.6	19.8
5 1	12 14.29	+10 44.4	2.465	3.274	12.1	20.0

328258 2008 FN_{133} 3 30.2 209.°11 0.°1/30.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.91	− 5 16.8	1.960	2.749	14.7	21.5
3 2	12 58.51	− 5 6.3	1.867	2.746	11.6	21.3
3 12	12 51.82	− 4 43.8	1.796	2.742	7.9	21.0
3 22	12 43.37	− 4 11.9	1.752	2.738	3.6	20.8
4 1	12 34.02	− 3 34.9	1.735	2.734	0.8	20.5
4 11	12 24.79	− 2 58.5	1.747	2.729	5.2	20.8
4 21	12 16.66	− 2 27.9	1.786	2.724	9.4	21.1
5 1	12 10.40	− 2 7.5	1.850	2.719	13.1	21.3

464523 2016 CY_{11} 3 30.2 5.°38 1.°3/31.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.48	− 8 52.7	1.275	2.093	19.6	20.6
3 2	12 55.35	− 8 47.2	1.200	2.093	15.6	20.4
3 12	12 50.24	− 8 20.6	1.144	2.094	10.8	20.1
3 22	12 42.79	− 7 35.3	1.109	2.095	5.5	19.8
4 1	12 34.15	− 6 37.6	1.098	2.097	1.4	19.5
4 11	12 25.78	− 5 36.6	1.112	2.100	6.3	19.8
4 21	12 18.98	− 4 41.8	1.150	2.104	11.6	20.1
5 1	12 14.73	− 4 0.9	1.208	2.109	16.3	20.4

130007 Frankteti 3 30.2 106.°77 0.°3/30.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.68	− 6 8.8	2.151	2.932	13.9	20.5
3 2	12 57.94	− 6 1.8	2.073	2.946	10.9	20.3
3 12	12 51.18	− 5 43.5	2.017	2.960	7.3	20.1
3 22	12 42.98	− 5 16.6	1.989	2.974	3.5	19.9
4 1	12 34.14	− 4 44.8	1.989	2.988	0.7	19.7
4 11	12 25.56	− 4 13.0	2.018	3.001	4.6	20.0
4 21	12 18.05	− 3 45.6	2.076	3.014	8.3	20.3
5 1	12 12.25	− 3 26.4	2.158	3.027	11.5	20.5

87465 2000 QU_{130} 3 30.2 254.°06 2.°0/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.88	−11 53.5	2.291	3.047	13.8	20.8
3 2	12 57.62	−11 49.0	2.171	3.025	11.3	20.6
3 12	12 51.24	−11 29.3	2.073	3.002	8.1	20.3
3 22	12 43.15	−10 55.4	2.001	2.978	4.6	20.1
4 1	12 34.07	−10 9.5	1.958	2.953	2.0	19.8
4 11	12 24.90	− 9 16.5	1.944	2.928	4.5	20.0
4 21	12 16.53	− 8 22.0	1.958	2.902	8.3	20.1
5 1	12 9.76	− 7 32.1	1.999	2.876	11.9	20.3

175516 2006 SS_{41} 3 30.2 265.°98 0.°6/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.33	− 3 38.6	1.697	2.500	16.1	20.8
3 2	12 59.29	− 3 30.8	1.602	2.490	12.7	20.6
3 12	12 52.61	− 3 10.9	1.529	2.479	8.6	20.3
3 22	12 43.84	− 2 42.0	1.481	2.469	3.9	20.0
4 1	12 33.93	− 2 9.0	1.459	2.458	1.3	19.8
4 11	12 24.09	− 1 38.2	1.466	2.447	6.1	20.1
4 21	12 15.47	− 1 15.3	1.498	2.436	10.8	20.3
5 1	12 9.00	− 1 4.8	1.553	2.425	14.9	20.5

347458 2012 TV_{262} 3 30.2 39.°28 0.°7/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 54.41	−11 24.0	1.978	2.762	14.8	20.3
3 2	12 51.78	−10 24.0	1.896	2.770	11.7	20.1
3 12	12 47.20	− 9 4.2	1.837	2.778	8.1	19.9
3 22	12 41.19	− 7 28.9	1.803	2.787	4.0	19.7
4 1	12 34.53	− 5 44.6	1.798	2.796	0.8	19.4
4 11	12 28.10	− 4 0.1	1.821	2.806	4.7	19.7
4 21	12 22.69	− 2 23.5	1.872	2.816	8.6	20.0
5 1	12 18.91	− 1 1.3	1.948	2.826	12.1	20.2

20684 1999 VW_{44} 3 30.2 45.°27 2.°6/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.28	−10 58.4	1.792	2.569	16.4	18.0
3 2	12 58.18	−11 20.7	1.711	2.577	13.2	17.8
3 12	12 51.65	−11 27.4	1.652	2.585	9.5	17.6
3 22	12 43.31	−11 19.3	1.616	2.594	5.4	17.4
4 1	12 34.07	−10 59.0	1.608	2.603	2.6	17.2
4 11	12 25.07	−10 31.2	1.627	2.612	5.1	17.4
4 21	12 17.32	−10 1.7	1.672	2.621	9.1	17.6
5 1	12 11.60	− 9 36.2	1.742	2.631	12.7	17.9

425202 2009 VE_{8} 3 30.2 163.°38 1.°0/29.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.79	− 2 49.4	2.339	3.127	12.7	22.3
3 2	12 57.14	− 2 21.2	2.252	3.133	9.8	22.1
3 12	12 50.62	− 1 43.8	2.190	3.138	6.5	21.9
3 22	12 42.74	− 1 0.5	2.155	3.142	2.9	21.7
4 1	12 34.21	− 0 16.0	2.149	3.146	1.5	21.5
4 11	12 25.86	+ 0 24.7	2.173	3.149	5.0	21.8
4 21	12 18.46	+ 0 57.5	2.225	3.152	8.4	22.0
5 1	12 12.60	+ 1 19.0	2.302	3.154	11.5	22.2

463099 2011 UW_{30} 3 30.2 150.°22 4.°0/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.34	+ 4 30.7	1.774	2.586	15.1	22.0
3 2	13 1.22	+ 5 11.6	1.700	2.593	11.7	21.8
3 12	12 53.61	+ 5 58.2	1.649	2.600	7.9	21.6
3 22	12 44.17	+ 6 44.2	1.624	2.607	4.6	21.4
4 1	12 33.90	+ 7 22.6	1.627	2.613	4.6	21.4
4 11	12 23.97	+ 7 47.3	1.658	2.618	7.9	21.6
4 21	12 15.40	+ 7 55.0	1.715	2.623	11.7	21.9
5 1	12 8.96	+ 7 44.3	1.794	2.627	15.0	22.1

346829 2009 DT_4 3 30.2 22.°10 3.°8/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.31	−12 58.7	1.809	2.577	16.6	19.6
3 2	12 58.25	−13 44.3	1.727	2.584	13.6	19.4
3 12	12 51.74	−14 14.5	1.667	2.592	10.0	19.2
3 22	12 43.37	−14 28.6	1.630	2.600	6.3	19.0
4 1	12 34.07	−14 27.7	1.620	2.610	3.9	18.9
4 11	12 24.97	−14 15.5	1.637	2.620	5.5	19.0
4 21	12 17.11	−13 57.0	1.681	2.630	9.0	19.2
5 1	12 11.28	−13 38.2	1.748	2.641	12.5	19.5

503581 2016 GF_{51} 3 30.2 186.°20 0.°2/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.53	− 7 17.1	2.047	2.832	14.3	21.8
3 2	12 56.53	− 6 47.7	1.956	2.832	11.3	21.6
3 12	12 50.42	− 6 3.8	1.887	2.832	7.7	21.4
3 22	12 42.71	− 5 8.6	1.845	2.831	3.6	21.1
4 1	12 34.21	− 4 7.1	1.831	2.830	0.7	20.9
4 11	12 25.87	− 3 5.7	1.845	2.828	5.0	21.2
4 21	12 18.55	− 2 10.6	1.888	2.826	9.0	21.4
5 1	12 12.97	− 1 26.9	1.955	2.823	12.5	21.7

267448 2002 DF_7 3 30.2 87.°51 8.°0/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.83	+16 53.1	1.906	2.725	14.0	20.4
3 2	12 59.68	+18 11.2	1.863	2.749	11.3	20.2
3 12	12 52.32	+19 23.5	1.844	2.772	9.0	20.1
3 22	12 43.46	+20 21.5	1.850	2.795	8.0	20.1
4 1	12 34.09	+20 58.2	1.883	2.818	8.8	20.2
4 11	12 25.25	+21 9.8	1.942	2.840	10.9	20.4
4 21	12 17.80	+20 56.3	2.024	2.862	13.2	20.6
5 1	12 12.33	+20 19.9	2.126	2.884	15.4	20.8

166361 2002 LO_{16} 3 30.2 311.°30 2.°1/ 1.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.37	−10 30.4	1.749	2.537	16.3	20.6
3 2	12 55.50	−10 37.6	1.643	2.517	13.2	20.4
3 12	12 50.14	−10 28.0	1.558	2.497	9.5	20.1
3 22	12 42.75	−10 2.3	1.497	2.477	5.3	19.8
4 1	12 34.18	− 9 23.6	1.462	2.458	2.1	19.5
4 11	12 25.56	− 8 37.5	1.453	2.440	5.4	19.7
4 21	12 17.99	− 7 50.8	1.470	2.422	9.9	19.9
5 1	12 12.42	− 7 10.6	1.511	2.404	14.1	20.1

414757 2010 GH_{130} 3 30.2 281.°36 1.°0/29.6 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.16	− 2 33.7	1.500	2.311	17.5	22.0
3 2	13 1.33	− 2 29.7	1.396	2.288	13.9	21.7
3 12	12 54.41	− 2 13.4	1.312	2.264	9.5	21.4
3 22	12 44.87	− 1 47.9	1.252	2.240	4.4	21.0
4 1	12 33.71	− 1 18.6	1.218	2.216	1.7	20.8
4 11	12 22.38	− 0 52.5	1.210	2.191	7.2	21.0
4 21	12 12.32	− 0 36.0	1.228	2.167	12.6	21.3
5 1	12 4.74	− 0 34.2	1.267	2.142	17.4	21.5

278662 2008 RU_{68} 3 30.2 123.°51 2.°1/28.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.92	+ 0 23.0	2.058	2.864	13.5	20.8
3 2	12 56.72	+ 0 54.4	1.978	2.869	10.5	20.6
3 12	12 50.46	+ 1 33.6	1.921	2.874	6.9	20.4
3 22	12 42.70	+ 2 16.3	1.891	2.878	3.3	20.2
4 1	12 34.24	+ 2 57.0	1.889	2.883	2.7	20.2
4 11	12 26.01	+ 3 30.3	1.916	2.887	6.0	20.4
4 21	12 18.83	+ 3 52.1	1.969	2.891	9.6	20.6
5 1	12 13.37	+ 3 59.8	2.047	2.895	12.8	20.8

183585 2003 SZ_{201} 3 30.2 205.°40 2.°4/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.28	+ 0 2.6	2.016	2.818	13.9	21.3
3 2	12 58.72	+ 0 45.5	1.924	2.813	10.8	21.0
3 12	12 51.93	+ 1 38.2	1.856	2.807	7.2	20.8
3 22	12 43.44	+ 2 35.6	1.814	2.801	3.5	20.6
4 1	12 34.08	+ 3 31.7	1.801	2.794	3.0	20.5
4 11	12 24.85	+ 4 19.7	1.817	2.786	6.5	20.7
4 21	12 16.68	+ 4 54.7	1.860	2.777	10.4	20.9
5 1	12 10.34	+ 5 13.5	1.927	2.768	13.8	21.1

308767 2006 OO_8 3 30.3 169.°32 8.°6/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.93	+20 27.8	2.275	3.085	12.3	21.6
3 2	12 58.18	+22 22.6	2.218	3.090	10.3	21.4
3 12	12 51.38	+24 11.6	2.187	3.095	8.9	21.4
3 22	12 43.11	+25 46.1	2.183	3.099	8.7	21.3
4 1	12 34.16	+26 58.1	2.206	3.102	9.7	21.4
4 11	12 25.47	+27 43.1	2.255	3.104	11.5	21.5
4 21	12 17.86	+27 59.9	2.326	3.106	13.5	21.7
5 1	12 11.99	+27 50.2	2.416	3.106	15.4	21.8

457703 2009 FP_1 3 30.3 323.°75 1.°8/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.00	− 1 9.4	1.258	2.093	18.8	20.4
3 2	12 57.65	− 1 5.5	1.167	2.073	14.8	20.0
3 12	12 52.09	− 0 49.2	1.096	2.054	10.0	19.7
3 22	12 43.82	− 0 24.7	1.047	2.036	4.6	19.3
4 1	12 33.96	+ 0 1.4	1.021	2.019	2.5	19.1
4 11	12 24.07	+ 0 21.1	1.020	2.002	8.0	19.4
4 21	12 15.67	+ 0 27.8	1.042	1.987	13.6	19.7
5 1	12 9.99	+ 0 16.9	1.083	1.973	18.6	19.9

90155 2002 YW_{25} 3 30.3 345.°77 8.°2/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.75	+14 19.0	1.704	2.546	14.3	18.8
3 2	12 53.27	+15 45.8	1.634	2.537	11.6	18.6
3 12	12 48.44	+17 11.8	1.588	2.528	9.2	18.4
3 22	12 41.86	+18 27.4	1.565	2.521	8.2	18.4
4 1	12 34.42	+19 23.1	1.568	2.514	9.3	18.4
4 11	12 27.21	+19 52.5	1.595	2.509	11.8	18.5
4 21	12 21.21	+19 53.0	1.644	2.504	14.7	18.7
5 1	12 17.15	+19 25.6	1.712	2.500	17.5	18.9

368742 2005 UU_{342} 3 30.3 111.°45 6.°1/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.94	−22 37.8	2.081	2.786	16.6	21.6
3 2	12 59.29	−23 14.7	1.998	2.801	14.1	21.4
3 12	12 52.32	−23 30.6	1.933	2.815	11.3	21.3
3 22	12 43.61	−23 23.8	1.892	2.829	8.4	21.1
4 1	12 34.05	−22 54.8	1.877	2.842	6.4	21.0
4 11	12 24.70	−22 7.6	1.889	2.855	6.5	21.1
4 21	12 16.54	−21 8.4	1.928	2.868	8.7	21.2
5 1	12 10.31	−20 4.8	1.993	2.880	11.4	21.4

396269 2014 CP_{17} 3 30.3 27.°69 2.°1/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.33	−11 7.1	2.314	3.077	13.5	20.6
3 2	12 56.18	−11 20.9	2.220	3.078	10.9	20.5
3 12	12 50.09	−11 21.9	2.149	3.079	7.8	20.3
3 22	12 42.55	−11 11.1	2.103	3.080	4.5	20.0
4 1	12 34.28	−10 50.5	2.086	3.081	2.1	19.9
4 11	12 26.12	−10 23.9	2.097	3.082	4.2	20.0
4 21	12 18.87	− 9 55.8	2.137	3.083	7.6	20.2
5 1	12 13.18	− 9 30.7	2.202	3.084	10.7	20.4

22396 1994 VR 3 30.3 184.°27 3.°1/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.91	+ 4 41.8	2.523	3.324	11.5	19.1
3 2	12 57.11	+ 5 18.2	2.436	3.324	8.9	18.9
3 12	12 50.55	+ 5 58.6	2.375	3.324	6.0	18.8
3 22	12 42.71	+ 6 38.6	2.342	3.323	3.5	18.6
4 1	12 34.25	+ 7 13.5	2.338	3.322	3.6	18.6
4 11	12 25.97	+ 7 38.9	2.364	3.320	6.1	18.8
4 21	12 18.55	+ 7 51.9	2.417	3.318	9.0	18.9
5 1	12 12.58	+ 7 51.1	2.495	3.315	11.7	19.1

431786 2008 OY_{19} 3 30.3 174.°84 4.°2/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.25	−18 53.2	2.590	3.301	13.5	21.6
3 2	12 58.31	−19 16.8	2.490	3.304	11.3	21.5
3 12	12 51.46	−19 24.9	2.411	3.306	8.8	21.3
3 22	12 43.18	−19 16.8	2.357	3.308	6.1	21.1
4 1	12 34.15	−18 53.4	2.332	3.309	4.3	21.0
4 11	12 25.19	−18 17.6	2.336	3.309	4.9	21.1
4 21	12 17.10	−17 34.2	2.368	3.309	7.2	21.2
5 1	12 10.53	−16 48.4	2.427	3.308	9.9	21.4

20765 2000 JC_{40} 3 30.3 8.°30 7.°1/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.72	−25 8.1	1.740	2.458	18.9	17.0
3 2	12 55.03	−25 24.4	1.649	2.458	16.3	16.8
3 12	12 49.79	−25 12.6	1.575	2.458	13.3	16.6
3 22	12 42.55	−24 30.3	1.522	2.459	10.0	16.4
4 1	12 34.27	−23 18.5	1.493	2.460	7.6	16.3
4 11	12 26.16	−21 43.2	1.489	2.460	7.4	16.3
4 21	12 19.31	−19 53.8	1.512	2.461	9.8	16.4
5 1	12 14.61	−18 1.9	1.558	2.463	13.0	16.6

223504 2004 BK_{115} 3 30.3 337.°81 2.°0/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.06	− 8 41.0	1.402	2.209	18.7	19.4
3 2	12 57.29	− 9 0.3	1.315	2.201	15.0	19.1
3 12	12 51.57	− 9 2.6	1.247	2.192	10.6	18.9
3 22	12 43.48	− 8 48.8	1.202	2.185	5.7	18.5
4 1	12 34.06	− 8 22.2	1.181	2.178	2.0	18.3
4 11	12 24.74	− 7 49.4	1.185	2.172	6.1	18.5
4 21	12 16.84	− 7 17.7	1.214	2.167	11.2	18.8
5 1	12 11.42	− 6 54.1	1.264	2.163	15.8	19.0

119660 2001 XL_{62} 3 30.3 160.°48 1.°4/31.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.51	−11 4.4	2.223	2.988	14.0	20.3
3 2	12 56.33	−10 44.7	2.132	2.993	11.2	20.1
3 12	12 50.19	−10 9.7	2.064	2.998	7.8	19.9
3 22	12 42.59	− 9 21.3	2.022	3.002	4.2	19.7
4 1	12 34.28	− 8 23.5	2.009	3.006	1.4	19.5
4 11	12 26.15	− 7 21.9	2.025	3.009	4.3	19.7
4 21	12 18.99	− 6 22.5	2.069	3.012	7.9	19.9
5 1	12 13.45	− 5 30.8	2.139	3.015	11.2	20.1

362671 2011 UT_{47} 3 30.3 337.°29 3.°2/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.27	−13 42.5	1.380	2.173	19.6	20.4
3 2	12 55.91	−13 39.8	1.295	2.169	16.0	20.1
3 12	12 50.63	−13 12.1	1.229	2.166	11.7	19.8
3 22	12 43.02	−12 20.1	1.184	2.162	6.8	19.6
4 1	12 34.17	−11 8.1	1.164	2.159	3.2	19.3
4 11	12 25.48	− 9 45.4	1.169	2.157	6.1	19.5
4 21	12 18.25	− 8 22.7	1.198	2.155	11.0	19.7
5 1	12 13.50	− 7 10.3	1.250	2.153	15.7	20.0

71190 1999 XO_{229} 3 30.3 67.°60 1.°1/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.94	− 7 27.8	1.893	2.678	15.4	18.8
3 2	12 58.46	− 7 35.5	1.817	2.691	12.1	18.6
3 12	12 51.71	− 7 30.5	1.762	2.704	8.4	18.4
3 22	12 43.31	− 7 14.5	1.733	2.717	4.2	18.1
4 1	12 34.14	− 6 51.2	1.732	2.730	1.1	17.9
4 11	12 25.25	− 6 25.5	1.758	2.743	4.8	18.2
4 21	12 17.58	− 6 2.3	1.812	2.756	8.8	18.5
5 1	12 11.84	− 5 45.9	1.890	2.770	12.3	18.7

500029 2011 SW_{39} 3 30.3 114.°60 2.°3/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.80	−11 59.7	2.544	3.294	12.8	21.6
3 2	12 57.09	−12 18.7	2.453	3.301	10.3	21.4
3 12	12 50.57	−12 25.8	2.384	3.308	7.5	21.2
3 22	12 42.74	−12 21.5	2.342	3.315	4.4	21.0
4 1	12 34.25	−12 7.5	2.329	3.322	2.4	20.9
4 11	12 25.91	−11 47.1	2.346	3.329	4.0	21.0
4 21	12 18.42	−11 24.2	2.391	3.335	7.0	21.2
5 1	12 12.40	−11 2.7	2.463	3.342	9.9	21.4

33965 2000 NY_{10} 3 30.3 252.°58 0.°7/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.68	− 4 23.8	2.003	2.798	14.3	19.2
3 2	12 56.83	− 3 57.8	1.902	2.785	11.2	19.0
3 12	12 50.76	− 3 19.4	1.823	2.772	7.5	18.8
3 22	12 42.96	− 2 31.6	1.771	2.758	3.4	18.5
4 1	12 34.21	− 1 39.7	1.746	2.744	1.3	18.3
4 11	12 25.51	− 0 49.9	1.750	2.730	5.5	18.5
4 21	12 17.79	− 0 7.9	1.781	2.716	9.7	18.8
5 1	12 11.85	+ 0 21.5	1.837	2.701	13.4	19.0

360768 2005 BQ_{40} 3 30.3 133.°51 4.°5/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.86	+ 3 50.5	1.686	2.509	15.3	21.1
3 2	12 57.88	+ 5 3.0	1.617	2.517	11.8	20.9
3 12	12 51.44	+ 6 23.6	1.570	2.524	8.0	20.7
3 22	12 43.22	+ 7 44.6	1.549	2.531	4.9	20.5
4 1	12 34.18	+ 8 56.8	1.556	2.538	5.3	20.5
4 11	12 25.47	+ 9 52.3	1.589	2.544	8.7	20.7
4 21	12 18.09	+10 26.5	1.648	2.550	12.4	21.0
5 1	12 12.78	+10 37.6	1.728	2.556	15.7	21.2

211901 2004 JE_{55} 3 30.3 306.°10 0.°3/30.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.75	− 6 27.5	2.086	2.878	13.9	20.9
3 2	12 54.48	− 6 15.1	1.982	2.862	11.0	20.7
3 12	12 49.15	− 5 50.1	1.901	2.846	7.5	20.4
3 22	12 42.20	− 5 14.8	1.845	2.831	3.6	20.1
4 1	12 34.37	− 4 33.1	1.817	2.816	0.7	19.9
4 11	12 26.57	− 3 50.6	1.817	2.801	4.9	20.1
4 21	12 19.67	− 3 12.5	1.844	2.786	8.9	20.4
5 1	12 14.40	− 2 43.7	1.896	2.772	12.5	20.5

418967 2009 HE_{29} 3 30.3 246.°10 2.°4/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.51	+ 0 42.4	1.826	2.633	15.0	21.5
3 2	13 0.04	+ 1 8.8	1.729	2.620	11.7	21.3
3 12	12 53.05	+ 1 44.3	1.654	2.606	7.9	21.0
3 22	12 44.06	+ 2 24.2	1.605	2.592	3.8	20.8
4 1	12 33.98	+ 3 2.4	1.584	2.578	3.0	20.7
4 11	12 23.96	+ 3 32.7	1.591	2.563	7.0	20.9
4 21	12 15.07	+ 3 50.0	1.624	2.547	11.2	21.1
5 1	12 8.23	+ 3 51.4	1.681	2.532	15.0	21.3

314211 2005 MX_{52} 3 30.3 286.°65 19.°7/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.74	+30 19.2	1.033	1.883	20.9	20.0
3 2	12 57.71	+34 30.7	0.998	1.871	19.8	19.9
3 12	12 52.61	+38 20.4	0.984	1.859	20.0	19.8
3 22	12 44.16	+41 24.2	0.989	1.847	21.5	19.9
4 1	12 33.95	+43 23.9	1.010	1.836	23.8	20.0
4 11	12 24.13	+44 13.4	1.045	1.824	26.4	20.1
4 21	12 16.59	+43 57.3	1.090	1.813	28.8	20.2
5 1	12 12.58	+42 45.3	1.142	1.802	30.8	20.4

51962 2001 QH_{267} 3 30.3 330.°57 4.°6/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 53.17	−28 55.8	4.311	4.941	9.5	18.8
3 2	12 49.90	−29 15.7	4.200	4.938	8.3	18.7
3 12	12 45.54	−29 22.9	4.110	4.936	7.0	18.6
3 22	12 40.37	−29 16.8	4.044	4.933	5.8	18.5
4 1	12 34.79	−28 57.7	4.004	4.931	4.8	18.4
4 11	12 29.25	−28 27.1	3.992	4.928	4.6	18.4
4 21	12 24.17	−27 47.3	4.008	4.926	5.3	18.4
5 1	12 19.93	−27 1.7	4.050	4.924	6.4	18.5

422419 2014 SN_{283} 3 30.3 234.°05 1.°4/31.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.82	− 9 0.5	1.811	2.591	16.1	22.2
3 2	12 59.59	− 8 59.6	1.711	2.582	12.9	22.0
3 12	12 52.80	− 8 43.0	1.632	2.571	9.1	21.7
3 22	12 43.97	− 8 12.2	1.578	2.560	4.7	21.4
4 1	12 34.01	− 7 30.8	1.551	2.549	1.4	21.2
4 11	12 24.07	− 6 44.8	1.552	2.537	5.3	21.4
4 21	12 15.28	− 6 0.7	1.580	2.525	9.9	21.6
5 1	12 8.55	− 5 24.8	1.633	2.512	13.9	21.9

176552 2002 AG_{125} 3 30.3 291.°94 10.°8/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.78	−35 32.6	2.553	3.138	16.2	19.3
3 2	13 4.37	−37 24.8	2.440	3.124	14.9	19.1
3 12	12 56.22	−38 59.6	2.345	3.110	13.5	19.0
3 22	12 45.71	−40 11.1	2.272	3.097	12.1	18.9
4 1	12 33.60	−40 54.2	2.221	3.083	11.1	18.8
4 11	12 21.06	−41 7.4	2.196	3.070	10.9	18.7
4 21	12 9.33	−40 52.8	2.195	3.056	11.5	18.7
5 1	11 59.53	−40 16.2	2.217	3.043	12.8	18.8

64683 2001 XA_{72} 3 30.3 122.°67 5.°6/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.47	+13 42.8	2.621	3.436	10.7	19.5
3 2	12 54.35	+14 55.9	2.560	3.448	8.5	19.4
3 12	12 48.63	+16 7.4	2.524	3.459	6.5	19.3
3 22	12 41.81	+17 11.3	2.517	3.470	5.6	19.3
4 1	12 34.51	+18 2.1	2.537	3.481	6.3	19.3
4 11	12 27.44	+18 35.7	2.586	3.492	8.2	19.4
4 21	12 21.24	+18 50.6	2.659	3.502	10.3	19.6
5 1	12 16.39	+18 46.6	2.755	3.512	12.3	19.8

293542 2007 HR_{8} 3 30.3 281.°13 0.°7/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.83	− 7 48.8	1.879	2.669	15.3	21.5
3 2	12 56.29	− 7 38.0	1.784	2.662	12.1	21.3
3 12	12 50.45	− 7 12.4	1.711	2.654	8.4	21.1
3 22	12 42.83	− 6 34.2	1.662	2.647	4.1	20.8
4 1	12 34.27	− 5 47.9	1.642	2.640	0.9	20.5
4 11	12 25.81	− 4 59.5	1.649	2.633	5.1	20.8
4 21	12 18.42	− 4 15.2	1.682	2.626	9.4	21.0
5 1	12 12.89	− 3 40.6	1.740	2.619	13.2	21.3

341216 2007 RB_{128} 3 30.3 170.°48 0.°6/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.33	− 4 9.6	2.386	3.175	12.4	21.9
3 2	12 55.26	− 3 44.5	2.297	3.177	9.7	21.7
3 12	12 49.40	− 3 9.6	2.231	3.178	6.5	21.5
3 22	12 42.23	− 2 27.8	2.192	3.180	2.9	21.3
4 1	12 34.42	− 1 43.4	2.183	3.181	1.1	21.2
4 11	12 26.76	− 1 1.4	2.202	3.181	4.6	21.4
4 21	12 19.97	− 0 26.1	2.250	3.182	8.1	21.6
5 1	12 14.64	− 0 0.9	2.323	3.182	11.1	21.8

341714 2007 VS_{191} 3 30.3 111.°64 5.°1/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.61	−23 27.9	2.666	3.354	13.6	20.8
3 2	12 55.42	−23 44.9	2.577	3.368	11.6	20.7
3 12	12 49.47	−23 44.0	2.508	3.382	9.3	20.6
3 22	12 42.25	−23 24.4	2.464	3.396	7.0	20.4
4 1	12 34.42	−22 47.3	2.446	3.409	5.3	20.3
4 11	12 26.76	−21 56.2	2.457	3.422	5.3	20.4
4 21	12 19.98	−20 56.0	2.496	3.435	7.0	20.5
5 1	12 14.63	−19 52.5	2.562	3.448	9.3	20.6

407675 2011 UG_{27} 3 30.3 99.°90 0.°9/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.36	−10 21.2	1.558	2.351	17.7	21.5
3 2	12 56.98	− 9 44.0	1.483	2.361	14.1	21.3
3 12	12 51.00	− 8 45.4	1.427	2.371	9.7	21.1
3 22	12 43.08	− 7 29.0	1.396	2.381	4.8	20.8
4 1	12 34.26	− 6 1.9	1.392	2.390	1.0	20.6
4 11	12 25.76	− 4 33.8	1.414	2.400	5.7	20.9
4 21	12 18.67	− 3 14.0	1.463	2.409	10.4	21.2
5 1	12 13.77	− 2 9.6	1.535	2.418	14.5	21.5

434439 2005 NX_{37} 3 30.3 285.°34 6.°3/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.08	+12 3.8	2.234	3.061	11.9	21.1
3 2	12 52.99	+13 38.0	2.153	3.050	9.5	20.9
3 12	12 48.02	+15 14.2	2.097	3.038	7.3	20.8
3 22	12 41.65	+16 44.7	2.068	3.026	6.3	20.7
4 1	12 34.55	+18 1.7	2.067	3.014	7.3	20.7
4 11	12 27.57	+18 58.8	2.093	3.002	9.6	20.8
4 21	12 21.47	+19 32.6	2.142	2.991	12.2	21.0
5 1	12 16.88	+19 42.5	2.213	2.979	14.6	21.1

5509 Rennsteig 3 30.3 284.°22 0.°1/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.83	− 7 5.8	1.415	2.227	18.3	17.9
3 2	12 57.18	− 6 39.9	1.320	2.211	14.6	17.6
3 12	12 51.59	− 5 53.6	1.244	2.195	10.0	17.3
3 22	12 43.56	− 4 50.0	1.191	2.179	4.7	17.0
4 1	12 34.12	− 3 35.7	1.164	2.163	1.0	16.7
4 11	12 24.68	− 2 20.5	1.162	2.147	6.8	17.0
4 21	12 16.58	− 1 14.4	1.185	2.131	12.3	17.2
5 1	12 10.93	− 0 25.5	1.229	2.115	17.1	17.5

305281 2007 YR_{65} 3 30.3 222.°55 4.°3/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.36	−18 55.6	2.587	3.303	13.4	21.5
3 2	12 56.15	−19 22.3	2.483	3.300	11.2	21.4
3 12	12 50.08	−19 33.8	2.400	3.296	8.8	21.2
3 22	12 42.60	−19 29.3	2.341	3.291	6.2	21.0
4 1	12 34.36	−19 9.5	2.311	3.287	4.4	20.9
4 11	12 26.15	−18 37.4	2.309	3.283	4.9	20.9
4 21	12 18.75	−17 57.1	2.335	3.278	7.2	21.0
5 1	12 12.79	−17 14.1	2.388	3.273	9.9	21.2

298857 2004 RN_{250} 3 30.3 112.°69 1.°2/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.55	− 9 6.3	1.757	2.534	16.7	21.9
3 2	13 1.39	− 8 59.2	1.686	2.554	13.2	21.7
3 12	12 53.73	− 8 35.9	1.635	2.574	9.1	21.5
3 22	12 44.27	− 7 59.0	1.610	2.593	4.6	21.3
4 1	12 34.03	− 7 13.1	1.613	2.611	1.3	21.1
4 11	12 24.19	− 6 24.7	1.644	2.629	5.2	21.4
4 21	12 15.76	− 5 40.2	1.703	2.645	9.4	21.7
5 1	12 9.49	− 5 5.0	1.785	2.662	13.1	21.9

30723 1978 RU_{8} 3 30.3 149.°25 1.°7/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.81	− 1 3.4	2.841	3.635	10.5	19.7
3 2	12 52.97	− 0 9.6	2.758	3.643	8.1	19.6
3 12	12 47.70	+ 0 51.7	2.701	3.651	5.3	19.4
3 22	12 41.40	+ 1 56.7	2.671	3.658	2.5	19.2
4 1	12 34.64	+ 3 0.7	2.672	3.665	2.1	19.2
4 11	12 28.03	+ 3 58.8	2.704	3.671	4.7	19.4
4 21	12 22.14	+ 4 47.4	2.764	3.677	7.5	19.6
5 1	12 17.43	+ 5 23.6	2.849	3.683	10.0	19.8

58750 1998 FY_{10} 3 30.3 231.°16 0.°4/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.49	− 4 52.8	1.993	2.788	14.3	19.4
3 2	12 56.62	− 4 31.0	1.901	2.784	11.2	19.2
3 12	12 50.57	− 3 56.8	1.831	2.779	7.6	19.0
3 22	12 42.87	− 3 13.5	1.787	2.774	3.5	18.7
4 1	12 34.31	− 2 26.0	1.771	2.770	1.0	18.5
4 11	12 25.89	− 1 40.2	1.784	2.765	5.3	18.8
4 21	12 18.49	− 1 1.7	1.823	2.759	9.3	19.0
5 1	12 12.87	− 0 34.9	1.886	2.754	12.9	19.2

369359 2009 UE_{6} 3 30.3 223.°46 3.°4/ 2.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.64	−13 16.2	1.875	2.636	16.3	20.8
3 2	12 59.36	−13 41.2	1.780	2.633	13.4	20.6
3 12	12 52.59	−13 49.8	1.705	2.630	9.8	20.4
3 22	12 43.87	−13 41.8	1.655	2.627	6.1	20.2
4 1	12 34.09	−13 18.7	1.631	2.623	3.4	20.0
4 11	12 24.40	−12 45.2	1.636	2.619	5.3	20.1
4 21	12 15.84	−12 7.0	1.667	2.615	9.1	20.3
5 1	12 9.31	−11 30.8	1.723	2.611	12.9	20.5

122268 2000 OF_{57} 3 30.3 217.°32 1.°4/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.60	− 9 48.2	2.174	2.943	14.1	20.3
3 2	12 57.36	− 9 41.5	2.073	2.937	11.3	20.1
3 12	12 51.02	− 9 20.5	1.995	2.930	7.9	19.9
3 22	12 43.08	− 8 47.0	1.942	2.923	4.2	19.6
4 1	12 34.27	− 8 4.2	1.918	2.915	1.4	19.4
4 11	12 25.53	− 7 17.2	1.923	2.907	4.5	19.6
4 21	12 17.74	− 6 31.5	1.955	2.899	8.3	19.8
5 1	12 11.63	− 5 52.5	2.014	2.890	11.8	20.0

384199 2009 BK_{150} 3 30.3 8.°73 1.°4/31.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.98	− 9 29.3	1.991	2.775	14.7	20.9
3 2	12 54.66	− 9 25.7	1.903	2.776	11.7	20.7
3 12	12 49.23	− 9 7.5	1.837	2.777	8.2	20.5
3 22	12 42.24	− 8 36.5	1.796	2.778	4.3	20.3
4 1	12 34.45	− 7 56.4	1.783	2.780	1.4	20.1
4 11	12 26.83	− 7 12.7	1.797	2.783	4.6	20.3
4 21	12 20.23	− 6 31.1	1.838	2.785	8.5	20.5
5 1	12 15.35	− 5 56.6	1.903	2.788	12.0	20.7

225523 2000 RN_{16} 3 30.3 210.°01 3.°8/ 3.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.49	−16 31.7	2.163	2.903	15.0	20.8
3 2	12 57.37	−16 44.6	2.062	2.899	12.5	20.6
3 12	12 51.08	−16 39.9	1.982	2.894	9.4	20.4
3 22	12 43.12	−16 17.4	1.926	2.890	6.2	20.2
4 1	12 34.26	−15 38.8	1.898	2.885	3.9	20.1
4 11	12 25.47	−14 48.5	1.898	2.879	5.0	20.1
4 21	12 17.65	−13 52.4	1.926	2.873	8.2	20.3
5 1	12 11.57	−12 57.2	1.979	2.867	11.5	20.5

498771 2008 UE_{84} 3 30.3 221.°07 1.°3/31.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.48	−10 0.0	2.240	3.011	13.7	22.3
3 2	12 55.63	− 9 46.0	2.141	3.006	10.9	22.1
3 12	12 49.81	− 9 17.6	2.064	3.000	7.7	21.9
3 22	12 42.49	− 8 36.8	2.013	2.994	4.0	21.7
4 1	12 34.40	− 7 46.9	1.991	2.988	1.3	21.5
4 11	12 26.40	− 6 53.4	1.997	2.982	4.3	21.7
4 21	12 19.29	− 6 1.9	2.032	2.975	8.1	21.9
5 1	12 13.77	− 5 17.4	2.092	2.969	11.4	22.1

77949 2002 GM_{132} 3 30.3 172.°94 0.°8/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.97	− 8 10.7	1.931	2.710	15.3	20.3
3 2	12 59.37	− 7 57.9	1.842	2.713	12.1	20.1
3 12	12 52.43	− 7 30.3	1.775	2.716	8.4	19.9
3 22	12 43.73	− 6 50.4	1.733	2.717	4.1	19.6
4 1	12 34.15	− 6 2.5	1.720	2.719	0.9	19.4
4 11	12 24.74	− 5 12.6	1.736	2.719	5.0	19.7
4 21	12 16.49	− 4 26.8	1.778	2.719	9.2	19.9
5 1	12 10.17	− 3 50.6	1.846	2.719	12.9	20.2

48072 2001 FB_{11} 3 30.3 290.°27 1.°0/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.42	− 6 44.1	1.607	2.404	17.1	18.9
3 2	12 59.68	− 6 57.3	1.507	2.388	13.7	18.7
3 12	12 53.12	− 6 56.8	1.427	2.372	9.6	18.4
3 22	12 44.24	− 6 43.8	1.372	2.357	4.8	18.1
4 1	12 34.01	− 6 21.9	1.342	2.341	1.2	17.8
4 11	12 23.74	− 5 56.5	1.340	2.325	5.9	18.0
4 21	12 14.69	− 5 33.9	1.363	2.310	10.9	18.3
5 1	12 7.93	− 5 19.6	1.408	2.294	15.4	18.5

512977 2017 UY_{8} 3 30.3 228.°56 1.°2/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.09	− 1 21.4	2.577	3.362	11.7	22.5
3 2	12 58.17	− 0 59.4	2.469	3.348	9.2	22.3
3 12	12 51.39	− 0 29.7	2.386	3.333	6.1	22.1
3 22	12 43.21	+ 0 4.7	2.330	3.317	2.8	21.8
4 1	12 34.26	+ 0 39.8	2.305	3.301	1.7	21.7
4 11	12 25.34	+ 1 11.2	2.310	3.284	4.9	21.9
4 21	12 17.20	+ 1 35.2	2.344	3.266	8.3	22.1
5 1	12 10.47	+ 1 48.8	2.403	3.247	11.3	22.3

224529 2005 WP_{99} 3 30.3 210.°53 0.°4/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.36	− 5 34.8	2.130	2.918	13.7	21.2
3 2	12 56.38	− 5 5.3	2.035	2.914	10.8	20.9
3 12	12 50.34	− 4 22.9	1.963	2.909	7.3	20.7
3 22	12 42.75	− 3 31.1	1.917	2.904	3.3	20.5
4 1	12 34.37	− 2 34.6	1.900	2.898	0.9	20.3
4 11	12 26.09	− 1 39.6	1.912	2.892	5.0	20.5
4 21	12 18.78	− 0 51.7	1.951	2.886	8.9	20.8
5 1	12 13.13	− 0 15.3	2.015	2.879	12.4	21.0

64471 2001 VL_{42} 3 30.3 188.°06 0.°4/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.23	− 5 18.1	2.159	2.946	13.6	20.4
3 2	12 56.98	− 4 52.2	2.068	2.946	10.7	20.2
3 12	12 50.70	− 4 14.3	1.999	2.945	7.2	20.0
3 22	12 42.90	− 3 27.6	1.957	2.944	3.3	19.7
4 1	12 34.34	− 2 36.8	1.943	2.942	0.9	19.5
4 11	12 25.92	− 1 47.5	1.959	2.940	4.9	19.8
4 21	12 18.48	− 1 5.1	2.003	2.937	8.8	20.0
5 1	12 12.70	− 0 33.6	2.071	2.934	12.1	20.2

217929 2001 TT_{22} 3 30.3 179.°96 0.°8/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.27	− 8 54.8	2.280	3.050	13.5	21.3
3 2	12 56.92	− 8 33.1	2.185	3.052	10.7	21.1
3 12	12 50.61	− 7 57.6	2.114	3.052	7.4	20.9
3 22	12 42.84	− 7 10.6	2.070	3.053	3.7	20.7
4 1	12 34.35	− 6 16.3	2.054	3.052	0.9	20.4
4 11	12 26.00	− 5 20.1	2.068	3.052	4.4	20.7
4 21	12 18.59	− 4 27.4	2.110	3.050	8.0	20.9
5 1	12 12.77	− 3 43.2	2.178	3.048	11.3	21.1

11105 Puchnarová 3 30.3 178.°88 1.°9/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.58	−12 56.4	2.681	3.426	12.3	19.9
3 2	12 56.10	−12 43.6	2.582	3.428	9.9	19.7
3 12	12 49.92	−12 17.0	2.505	3.429	7.1	19.5
3 22	12 42.49	−11 38.0	2.455	3.430	4.1	19.3
4 1	12 34.43	−10 49.3	2.435	3.430	1.9	19.1
4 11	12 26.49	− 9 55.2	2.445	3.429	3.8	19.3
4 21	12 19.34	− 9 0.6	2.485	3.428	6.8	19.5
5 1	12 13.55	− 8 10.2	2.551	3.426	9.7	19.6

409862 2006 SL_{179} 3 30.3 118.°23 0.°8/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.45	− 3 57.9	1.748	2.550	15.8	21.7
3 2	12 58.33	− 3 33.9	1.669	2.556	12.3	21.5
3 12	12 51.78	− 2 57.0	1.613	2.563	8.2	21.3
3 22	12 43.44	− 2 11.3	1.581	2.569	3.7	21.0
4 1	12 34.24	− 1 22.8	1.578	2.576	1.4	20.8
4 11	12 25.31	− 0 38.0	1.601	2.581	5.9	21.1
4 21	12 17.65	− 0 2.9	1.652	2.587	10.2	21.4
5 1	12 12.02	+ 0 18.5	1.725	2.593	13.9	21.6

165992 2001 YY_{156} 3 30.3 217.°18 2.°7/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.71	−13 15.6	1.925	2.684	16.0	20.8
3 2	12 59.40	−13 14.6	1.822	2.676	13.1	20.6
3 12	12 52.63	−12 55.2	1.740	2.667	9.5	20.4
3 22	12 43.91	−12 18.1	1.683	2.658	5.6	20.1
4 1	12 34.12	−11 26.0	1.653	2.648	2.7	19.9
4 11	12 24.36	−10 24.8	1.652	2.637	5.1	20.0
4 21	12 15.69	− 9 21.7	1.678	2.625	9.2	20.2
5 1	12 8.99	− 8 24.0	1.729	2.613	13.1	20.4

353326 2010 LR_{92} 3 30.3 295.°93 3.°1/ 1.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.66	−12 25.6	2.304	3.057	13.9	20.6
3 2	12 58.32	−12 58.9	2.183	3.032	11.4	20.4
3 12	12 51.81	−13 20.4	2.084	3.006	8.5	20.2
3 22	12 43.54	−13 29.5	2.011	2.981	5.3	19.9
4 1	12 34.19	−13 26.9	1.965	2.956	3.1	19.7
4 11	12 24.68	−13 15.2	1.949	2.931	4.8	19.8
4 21	12 15.95	−12 58.3	1.961	2.906	8.2	20.0
5 1	12 8.81	−12 40.8	1.998	2.881	11.6	20.1

431863 2008 SF_{114} 3 30.3 177.°72 2.°1/28.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.75	+ 0 28.1	2.334	3.134	12.3	22.1
3 2	12 56.40	+ 1 4.1	2.248	3.135	9.5	21.9
3 12	12 50.20	+ 1 47.6	2.185	3.136	6.3	21.7
3 22	12 42.63	+ 2 34.2	2.150	3.137	3.1	21.5
4 1	12 34.42	+ 3 19.1	2.144	3.137	2.6	21.4
4 11	12 26.37	+ 3 57.0	2.168	3.137	5.6	21.6
4 21	12 19.24	+ 4 24.3	2.219	3.136	8.9	21.8
5 1	12 13.62	+ 4 38.2	2.295	3.135	11.9	22.0

329394 2001 YO_{25} 3 30.3 131.°97 5.°7/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.13	+11 30.6	2.158	2.971	12.8	21.5
3 2	12 59.03	+12 30.6	2.095	2.984	10.0	21.3
3 12	12 51.92	+13 30.1	2.056	2.996	7.4	21.2
3 22	12 43.39	+14 22.3	2.044	3.008	5.8	21.1
4 1	12 34.28	+15 1.1	2.060	3.020	6.4	21.2
4 11	12 25.50	+15 21.8	2.104	3.031	8.7	21.3
4 21	12 17.87	+15 22.7	2.174	3.041	11.3	21.5
5 1	12 11.98	+15 4.3	2.265	3.051	13.8	21.7

100458 1996 TP_3 3 30.3 138.°15 3.°5/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 13.08	−12 51.3	2.057	2.793	15.8	20.3
3 2	13 6.33	−13 35.3	1.970	2.808	12.9	20.1
3 12	12 57.05	−14 5.4	1.905	2.821	9.5	19.9
3 22	12 45.87	−14 20.7	1.866	2.834	5.9	19.7
4 1	12 33.75	−14 21.8	1.857	2.847	3.5	19.6
4 11	12 21.86	−14 11.9	1.879	2.858	5.2	19.7
4 21	12 11.25	−13 55.6	1.929	2.868	8.7	19.9
5 1	12 2.76	−13 38.4	2.005	2.878	12.0	20.1

357512 2004 RQ_{32} 3 30.3 171.°82 2.°8/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.42	+ 0 17.3	2.015	2.817	13.9	22.5
3 2	12 58.76	+ 1 19.9	1.933	2.822	10.8	22.3
3 12	12 51.92	+ 2 32.6	1.875	2.826	7.1	22.0
3 22	12 43.47	+ 3 49.6	1.843	2.829	3.7	21.8
4 1	12 34.25	+ 5 3.7	1.841	2.831	3.4	21.8
4 11	12 25.26	+ 6 7.5	1.869	2.833	6.8	22.0
4 21	12 17.38	+ 6 55.8	1.923	2.833	10.5	22.2
5 1	12 11.31	+ 7 25.7	2.000	2.832	13.7	22.5

505209 2012 TK_{244} 3 30.3 270.°10 0.°6/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.03	−10 19.7	2.208	2.986	13.7	21.6
3 2	12 53.05	− 9 31.1	2.101	2.971	10.9	21.4
3 12	12 48.14	− 8 24.7	2.016	2.957	7.5	21.1
3 22	12 41.77	− 7 3.2	1.958	2.942	3.7	20.9
4 1	12 34.60	− 5 31.9	1.928	2.927	0.7	20.6
4 11	12 27.48	− 3 58.1	1.928	2.912	4.6	20.8
4 21	12 21.20	− 2 29.2	1.956	2.897	8.5	21.1
5 1	12 16.44	− 1 11.8	2.009	2.882	12.0	21.2

85967 1999 GK_1 3 30.3 353.°33 7.°1/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.56	+13 7.4	1.680	2.505	15.3	18.4
3 2	13 0.88	+13 51.3	1.609	2.504	12.2	18.2
3 12	12 53.56	+14 33.0	1.561	2.503	9.2	18.0
3 22	12 44.28	+15 4.5	1.537	2.502	7.2	17.9
4 1	12 34.11	+15 18.3	1.539	2.502	7.8	17.9
4 11	12 24.29	+15 9.5	1.567	2.501	10.5	18.0
4 21	12 15.92	+14 37.1	1.619	2.501	13.7	18.2
5 1	12 9.78	+13 42.7	1.692	2.501	16.8	18.4

467636 2008 RZ_{71} 3 30.3 220.°83 3.°0/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.66	−14 18.6	2.380	3.121	13.8	21.8
3 2	12 58.10	−14 32.4	2.272	3.113	11.3	21.6
3 12	12 51.50	−14 31.5	2.186	3.104	8.4	21.4
3 22	12 43.33	−14 16.1	2.126	3.095	5.3	21.2
4 1	12 34.30	−13 47.9	2.095	3.085	3.1	21.1
4 11	12 25.27	−13 10.4	2.092	3.074	4.5	21.1
4 21	12 17.11	−12 28.7	2.118	3.063	7.7	21.3
5 1	12 10.53	−11 48.0	2.171	3.052	10.9	21.5

208320 2001 NY_6 3 30.3 176.°07 2.°8/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.03	−16 25.9	3.069	3.789	11.4	21.7
3 2	12 55.50	−16 30.8	2.966	3.791	9.4	21.6
3 12	12 49.44	−16 22.7	2.887	3.793	7.1	21.4
3 22	12 42.27	−16 2.1	2.834	3.794	4.6	21.3
4 1	12 34.53	−15 30.4	2.810	3.795	2.9	21.1
4 11	12 26.88	−14 50.9	2.816	3.796	3.7	21.2
4 21	12 19.92	−14 7.4	2.852	3.795	6.0	21.3
5 1	12 14.15	−13 24.1	2.916	3.795	8.5	21.5

264545 2001 SQ_{123} 3 30.3 173.°96 0.°1/30.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.86	− 7 28.6	2.386	3.160	12.9	22.5
3 2	12 56.48	− 6 52.9	2.293	3.163	10.1	22.4
3 12	12 50.26	− 6 4.2	2.224	3.166	6.8	22.1
3 22	12 42.68	− 5 5.6	2.183	3.168	3.2	21.9
4 1	12 34.45	− 4 1.5	2.171	3.170	0.6	21.7
4 11	12 26.37	− 2 57.8	2.189	3.170	4.4	22.0
4 21	12 19.18	− 1 59.9	2.236	3.170	8.0	22.2
5 1	12 13.50	− 1 12.2	2.308	3.170	11.1	22.4

326957 2004 GF_{34} 3 30.3 328.°53 6.°7/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.48	−18 38.6	1.497	2.260	19.7	20.3
3 2	12 56.97	−19 33.7	1.402	2.247	16.7	20.1
3 12	12 51.50	−20 7.0	1.324	2.236	13.2	19.8
3 22	12 43.59	−20 15.0	1.268	2.224	9.5	19.6
4 1	12 34.22	−19 56.8	1.235	2.214	6.9	19.4
4 11	12 24.79	−19 16.3	1.226	2.204	7.7	19.4
4 21	12 16.67	−18 21.0	1.241	2.195	11.1	19.6
5 1	12 11.02	−17 20.9	1.278	2.186	15.0	19.8

63682 2001 QZ_{147} 3 30.3 176.°37 4.°4/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.20	+ 8 15.0	2.263	3.068	12.5	19.3
3 2	12 59.88	+ 8 55.9	2.183	3.071	9.8	19.1
3 12	12 52.54	+ 9 38.7	2.127	3.072	6.9	18.9
3 22	12 43.73	+10 17.8	2.099	3.074	4.6	18.7
4 1	12 34.24	+10 47.7	2.100	3.074	5.0	18.8
4 11	12 24.98	+11 3.9	2.129	3.074	7.5	18.9
4 21	12 16.76	+11 4.0	2.186	3.074	10.4	19.1
5 1	12 10.24	+10 47.5	2.266	3.073	13.1	19.3

91595 1999 TZ_9 3 30.3 91.°51 1.°3/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.71	− 2 25.8	2.066	2.863	13.8	19.9
3 2	12 57.23	− 1 54.4	1.998	2.883	10.7	19.7
3 12	12 50.75	− 1 13.3	1.952	2.902	7.0	19.5
3 22	12 42.88	− 0 26.8	1.934	2.922	3.2	19.3
4 1	12 34.43	+ 0 19.9	1.944	2.941	1.8	19.2
4 11	12 26.31	+ 1 1.1	1.983	2.960	5.4	19.5
4 21	12 19.30	+ 1 32.5	2.050	2.978	8.9	19.7
5 1	12 14.01	+ 1 51.2	2.141	2.996	12.1	20.0

128861 2004 SK_{30} 3 30.3 189.°94 0.°3/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.66	− 6 14.1	1.739	2.534	16.1	20.4
3 2	12 58.64	− 5 41.5	1.651	2.534	12.7	20.2
3 12	12 52.11	− 4 52.8	1.585	2.533	8.6	19.9
3 22	12 43.67	− 3 51.8	1.544	2.531	3.9	19.6
4 1	12 34.25	− 2 44.7	1.531	2.529	1.0	19.4
4 11	12 25.01	− 1 39.4	1.545	2.527	5.9	19.7
4 21	12 17.00	− 0 43.2	1.586	2.523	10.4	20.0
5 1	12 11.06	− 0 1.5	1.650	2.520	14.3	20.2

280272 2003 BF_{28} 3 30.3 105.°79 10.°0/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.66	+19 53.5	1.815	2.644	14.1	19.8
3 2	12 56.15	+22 9.8	1.769	2.653	11.9	19.7
3 12	12 50.29	+24 19.3	1.746	2.661	10.3	19.6
3 22	12 42.75	+26 10.7	1.749	2.669	10.2	19.6
4 1	12 34.46	+27 34.2	1.777	2.677	11.5	19.7
4 11	12 26.52	+28 24.4	1.829	2.684	13.5	19.8
4 21	12 19.87	+28 40.4	1.901	2.692	15.8	20.0
5 1	12 15.20	+28 25.0	1.991	2.699	17.8	20.2

467435 2005 YM_{166} 3 30.3 355.°32 7.°6/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.46	+11 51.3	1.710	2.548	14.4	20.8
3 2	12 54.57	+13 33.9	1.645	2.547	11.5	20.6
3 12	12 49.33	+15 18.3	1.602	2.546	8.8	20.5
3 22	12 42.35	+16 54.4	1.585	2.546	7.6	20.4
4 1	12 34.54	+18 12.1	1.594	2.545	8.8	20.4
4 11	12 27.00	+19 3.8	1.628	2.545	11.4	20.6
4 21	12 20.67	+19 26.5	1.685	2.545	14.4	20.8
5 1	12 16.31	+19 20.5	1.761	2.545	17.2	21.0

373856 2003 QV_{10} 3 30.3 291.°62 25.°5/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 33.58	−34 26.3	1.174	1.822	29.6	21.1
3 2	13 28.94	−39 44.4	1.084	1.804	28.2	20.9
3 12	13 17.66	−45 0.7	1.013	1.787	26.8	20.7
3 22	12 58.27	−49 50.5	0.960	1.770	25.7	20.5
4 1	12 30.65	−53 40.9	0.928	1.753	25.6	20.4
4 11	11 57.71	−56 4.8	0.916	1.736	26.4	20.4
4 21	11 25.31	−56 55.7	0.920	1.719	28.0	20.4
5 1	10 59.53	−56 33.3	0.937	1.703	30.0	20.5

115173 2003 SW_{83} 3 30.3 90.°69 0.°2/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.24	− 4 56.4	1.583	2.385	17.1	20.4
3 2	12 59.96	− 4 46.4	1.509	2.395	13.4	20.2
3 12	12 53.01	− 4 22.7	1.456	2.405	9.0	19.9
3 22	12 44.06	− 3 48.5	1.427	2.415	4.2	19.7
4 1	12 34.19	− 3 9.6	1.425	2.424	1.0	19.4
4 11	12 24.65	− 2 32.6	1.451	2.434	6.0	19.8
4 21	12 16.56	− 2 3.5	1.502	2.443	10.6	20.1
5 1	12 10.74	− 1 46.9	1.576	2.452	14.5	20.4

170179 2003 MR_3 3 30.3 268.°43 3.°7/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.52	−14 10.9	1.690	2.457	17.6	20.3
3 2	12 59.01	−14 26.4	1.581	2.438	14.6	20.0
3 12	12 52.73	−14 22.1	1.492	2.418	10.8	19.8
3 22	12 44.13	−13 57.1	1.426	2.398	6.7	19.5
4 1	12 34.13	−13 13.2	1.386	2.378	3.7	19.2
4 11	12 23.99	−12 15.8	1.372	2.357	5.9	19.3
4 21	12 14.97	−11 12.8	1.385	2.336	10.4	19.5
5 1	12 8.16	−10 13.0	1.421	2.315	14.7	19.7

499899 2011 FY_{157} 3 30.3 34.°75 4.°5/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.01	+ 5 40.6	1.822	2.647	14.3	20.9
3 2	12 56.34	+ 6 36.3	1.749	2.649	11.1	20.7
3 12	12 50.41	+ 7 37.3	1.698	2.651	7.6	20.5
3 22	12 42.82	+ 8 36.8	1.673	2.653	4.9	20.3
4 1	12 34.45	+ 9 27.5	1.675	2.655	5.3	20.4
4 11	12 26.34	+10 2.8	1.704	2.658	8.3	20.6
4 21	12 19.40	+10 19.0	1.758	2.660	11.8	20.8
5 1	12 14.36	+10 14.8	1.834	2.663	14.9	21.0

466436 2013 TG_{59} 3 30.3 252.°15 4.°0/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.30	−18 47.8	2.037	2.776	15.9	21.8
3 2	12 55.11	−18 34.9	1.929	2.764	13.3	21.6
3 12	12 49.71	−17 59.3	1.842	2.752	10.1	21.4
3 22	12 42.57	−17 1.0	1.778	2.740	6.7	21.1
4 1	12 34.49	−15 42.5	1.741	2.728	4.1	21.0
4 11	12 26.44	−14 10.1	1.732	2.715	5.2	21.0
4 21	12 19.37	−12 32.0	1.751	2.702	8.5	21.2
5 1	12 14.08	−10 57.1	1.795	2.689	12.2	21.3

403813 2011 UO_{117} 3 30.3 236.°54 2.°2/ 1.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.52	−11 35.0	1.838	2.606	16.4	22.2
3 2	13 0.24	−11 35.2	1.731	2.592	13.3	21.9
3 12	12 53.35	−11 17.7	1.645	2.577	9.6	21.7
3 22	12 44.35	−10 43.2	1.583	2.561	5.4	21.4
4 1	12 34.11	− 9 54.5	1.549	2.545	2.2	21.1
4 11	12 23.82	− 8 57.7	1.543	2.528	5.3	21.3
4 21	12 14.63	− 8 0.0	1.564	2.510	9.8	21.5
5 1	12 7.50	− 7 8.7	1.609	2.491	14.0	21.7

459211 2012 DD_{81} 3 30.3 60.°53 3.°7/27.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.99	+ 1 27.8	1.566	2.393	16.1	21.5
3 2	12 56.65	+ 2 28.0	1.497	2.399	12.4	21.3
3 12	12 50.77	+ 3 38.8	1.450	2.406	8.3	21.1
3 22	12 43.02	+ 4 52.7	1.427	2.413	4.4	20.9
4 1	12 34.42	+ 6 1.1	1.431	2.420	4.4	20.9
4 11	12 26.15	+ 6 55.4	1.462	2.428	8.1	21.1
4 21	12 19.25	+ 7 30.2	1.517	2.435	12.2	21.4
5 1	12 14.48	+ 7 43.1	1.593	2.442	15.8	21.6

501102 2013 SB_{83} 3 30.3 219.°69 2.°5/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.31	+ 1 31.0	2.485	3.282	11.7	23.0
3 2	12 56.84	+ 2 20.8	2.384	3.271	9.1	22.8
3 12	12 50.54	+ 3 18.3	2.309	3.259	6.1	22.6
3 22	12 42.86	+ 4 18.9	2.261	3.246	3.2	22.3
4 1	12 34.45	+ 5 17.2	2.244	3.233	3.1	22.3
4 11	12 26.10	+ 6 7.7	2.256	3.218	6.0	22.5
4 21	12 18.56	+ 6 46.2	2.297	3.203	9.2	22.6
5 1	12 12.45	+ 7 9.8	2.362	3.188	12.1	22.8

459005 2011 WO_{152} 3 30.3 123.°49 4.°2/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.82	−17 13.8	1.841	2.583	17.2	21.8
3 2	13 0.16	−17 22.3	1.761	2.599	14.2	21.6
3 12	12 53.02	−17 9.5	1.701	2.614	10.7	21.4
3 22	12 44.05	−16 35.4	1.665	2.629	6.9	21.2
4 1	12 34.22	−15 42.9	1.655	2.642	4.3	21.1
4 11	12 24.68	−14 38.1	1.674	2.656	5.5	21.2
4 21	12 16.47	−13 28.7	1.720	2.668	8.9	21.4
5 1	12 10.35	−12 22.6	1.791	2.680	12.4	21.6

158959 2004 RW_{197} 3 30.3 190.°42 0.°6/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.69	− 8 29.9	2.203	2.981	13.7	21.0
3 2	12 55.79	− 8 3.9	2.109	2.980	10.8	20.8
3 12	12 49.93	− 7 23.8	2.038	2.979	7.4	20.6
3 22	12 42.60	− 6 32.0	1.993	2.977	3.6	20.3
4 1	12 34.52	− 5 33.1	1.977	2.975	0.7	20.1
4 11	12 26.57	− 4 32.9	1.990	2.973	4.5	20.4
4 21	12 19.56	− 3 37.2	2.030	2.971	8.3	20.6
5 1	12 14.15	− 2 51.0	2.096	2.968	11.6	20.8

242392 2004 FA_9 3 30.3 267.°56 2.°3/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 55.87	− 0 40.8	2.318	3.125	12.2	20.4
3 2	12 52.75	+ 0 21.9	2.224	3.116	9.4	20.2
3 12	12 47.85	+ 1 34.9	2.154	3.107	6.2	20.0
3 22	12 41.62	+ 2 53.3	2.112	3.098	3.1	19.8
4 1	12 34.72	+ 4 10.8	2.098	3.089	2.9	19.8
4 11	12 27.91	+ 5 20.9	2.114	3.080	6.0	19.9
4 21	12 21.91	+ 6 18.3	2.157	3.071	9.3	20.1
5 1	12 17.34	+ 6 59.5	2.224	3.062	12.3	20.3

148736 2001 TG_{105} 3 30.3 124.°20 0.°8/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.23	− 3 57.9	2.007	2.800	14.3	19.6
3 2	12 57.81	− 3 31.4	1.929	2.811	11.1	19.4
3 12	12 51.27	− 2 53.6	1.873	2.821	7.4	19.2
3 22	12 43.19	− 2 8.2	1.844	2.832	3.3	18.9
4 1	12 34.41	− 1 20.5	1.843	2.841	1.3	18.8
4 11	12 25.89	− 0 36.4	1.872	2.851	5.3	19.1
4 21	12 18.49	− 0 0.8	1.927	2.860	9.1	19.3
5 1	12 12.87	+ 0 22.6	2.007	2.868	12.5	19.5

296935 2010 DV_6 3 30.3 245.°01 1.°3/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.37	− 3 34.8	2.152	2.953	13.2	21.2
3 2	12 54.03	− 2 48.4	2.061	2.949	10.3	21.0
3 12	12 48.76	− 1 49.9	1.994	2.945	6.8	20.8
3 22	12 42.06	− 0 43.6	1.953	2.941	3.1	20.5
4 1	12 34.64	+ 0 24.6	1.940	2.937	1.8	20.4
4 11	12 27.34	+ 1 28.4	1.957	2.933	5.4	20.6
4 21	12 20.96	+ 2 22.0	2.000	2.929	9.1	20.8
5 1	12 16.15	+ 3 1.4	2.068	2.924	12.4	21.0

253263 2003 AZ_{60} 3 30.3 65.°01 1.°4/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.15	−11 17.5	1.585	2.370	17.8	20.9
3 2	12 58.09	−10 47.9	1.528	2.401	14.1	20.7
3 12	12 51.56	− 9 57.9	1.492	2.431	9.7	20.5
3 22	12 43.31	− 8 51.5	1.479	2.462	5.0	20.3
4 1	12 34.41	− 7 35.3	1.494	2.492	1.4	20.1
4 11	12 26.04	− 6 18.2	1.536	2.522	5.2	20.5
4 21	12 19.17	− 5 8.1	1.605	2.552	9.5	20.8
5 1	12 14.46	− 4 11.3	1.697	2.581	13.2	21.1

310139 2011 HP_{80} 3 30.3 220.°54 2.°6/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.08	− 0 12.9	2.168	2.978	12.8	20.8
3 2	12 53.77	+ 0 54.9	2.081	2.975	9.9	20.6
3 12	12 48.57	+ 2 13.2	2.017	2.971	6.5	20.4
3 22	12 41.96	+ 3 36.5	1.981	2.968	3.3	20.2
4 1	12 34.66	+ 4 57.8	1.974	2.964	3.2	20.2
4 11	12 27.50	+ 6 10.0	1.996	2.960	6.4	20.3
4 21	12 21.24	+ 7 7.8	2.044	2.956	9.8	20.5
5 1	12 16.53	+ 7 47.7	2.116	2.952	12.9	20.7

99302 2001 RU_{92} 3 30.3 128.°65 1.°0/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.54	− 9 39.0	2.544	3.311	12.4	20.5
3 2	12 54.56	− 9 21.1	2.457	3.320	9.8	20.3
3 12	12 48.92	− 8 50.8	2.393	3.328	6.8	20.1
3 22	12 42.06	− 8 10.2	2.355	3.337	3.5	19.9
4 1	12 34.65	− 7 22.9	2.347	3.345	1.0	19.7
4 11	12 27.40	− 6 33.3	2.368	3.353	3.8	20.0
4 21	12 20.98	− 5 46.2	2.418	3.360	7.0	20.2
5 1	12 15.94	− 5 5.7	2.494	3.368	9.9	20.4

291051 2005 YD_{55} 3 30.3 301.°18 5.°0/25.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.56	+ 5 13.3	1.738	2.570	14.6	20.5
3 2	12 54.77	+ 6 26.1	1.648	2.552	11.4	20.2
3 12	12 49.60	+ 7 47.9	1.580	2.535	7.9	20.0
3 22	12 42.57	+ 9 10.8	1.538	2.518	5.3	19.8
4 1	12 34.52	+10 25.7	1.523	2.501	6.0	19.8
4 11	12 26.55	+11 24.0	1.533	2.484	9.3	19.9
4 21	12 19.67	+12 0.1	1.568	2.468	13.1	20.1
5 1	12 14.72	+12 11.3	1.624	2.452	16.5	20.3

386236 2008 AX_8 3 30.3 15.°17 0.°1/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.04	− 6 14.1	1.944	2.742	14.5	21.1
3 2	12 53.94	− 5 58.5	1.862	2.746	11.4	20.9
3 12	12 48.77	− 5 29.9	1.803	2.750	7.7	20.7
3 22	12 42.08	− 4 51.4	1.768	2.755	3.6	20.5
4 1	12 34.65	− 4 7.6	1.761	2.760	0.7	20.3
4 11	12 27.43	− 3 24.3	1.782	2.766	4.9	20.6
4 21	12 21.24	− 2 47.1	1.829	2.772	8.8	20.8
5 1	12 16.76	− 2 20.1	1.901	2.779	12.3	21.1

265613 2005 SL_{69} 3 30.3 143.°92 0.°9/31.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.42	− 8 38.8	2.132	2.905	14.2	22.1
3 2	12 57.91	− 8 26.4	2.046	2.914	11.3	21.9
3 12	12 51.33	− 8 0.4	1.983	2.922	7.8	21.7
3 22	12 43.24	− 7 23.0	1.946	2.929	3.9	21.4
4 1	12 34.42	− 6 38.2	1.938	2.936	1.0	21.2
4 11	12 25.81	− 5 51.3	1.959	2.943	4.5	21.5
4 21	12 18.24	− 5 7.9	2.008	2.949	8.3	21.7
5 1	12 12.39	− 4 32.4	2.082	2.955	11.6	22.0

472515 2015 CQ_{38} 3 30.3 297.°07 8.°7/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.12	+16 27.8	1.769	2.598	14.4	20.7
3 2	12 57.53	+17 50.5	1.691	2.584	11.8	20.5
3 12	12 51.43	+19 10.8	1.637	2.569	9.6	20.4
3 22	12 43.40	+20 19.3	1.607	2.555	8.7	20.3
4 1	12 34.39	+21 6.4	1.603	2.540	9.8	20.3
4 11	12 25.56	+21 25.9	1.623	2.526	12.3	20.4
4 21	12 17.96	+21 15.6	1.665	2.512	15.2	20.5
5 1	12 12.43	+20 36.9	1.726	2.498	17.9	20.7

67172 2000 BH_{16} 3 30.3 144.°67 2.°0/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.68	−12 29.0	2.581	3.328	12.7	19.8
3 2	12 56.98	−12 25.1	2.491	3.339	10.2	19.7
3 12	12 50.54	−12 8.0	2.425	3.349	7.3	19.5
3 22	12 42.83	−11 38.8	2.385	3.359	4.2	19.3
4 1	12 34.53	−11 0.1	2.374	3.368	2.0	19.2
4 11	12 26.39	−10 16.2	2.393	3.377	3.8	19.3
4 21	12 19.12	− 9 31.5	2.442	3.385	6.9	19.5
5 1	12 13.29	− 8 50.8	2.517	3.393	9.8	19.7

172481 2003 SN_{103} 3 30.3 194.°72 0.°5/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.79	− 5 19.9	1.983	2.772	14.6	21.1
3 2	12 58.45	− 4 48.3	1.891	2.770	11.5	20.9
3 12	12 51.86	− 4 3.1	1.821	2.768	7.7	20.7
3 22	12 43.56	− 3 7.9	1.777	2.764	3.5	20.4
4 1	12 34.38	− 2 8.1	1.762	2.761	1.1	20.2
4 11	12 25.34	− 1 10.4	1.776	2.756	5.4	20.5
4 21	12 17.38	− 0 20.9	1.817	2.751	9.5	20.7
5 1	12 11.25	+ 0 15.6	1.883	2.745	13.2	20.9

98646 2000 WH_{134} 3 30.3 321.°90 2.°5/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.29	− 9 36.8	1.442	2.238	18.8	19.4
3 2	12 59.84	−10 2.8	1.354	2.232	15.2	19.1
3 12	12 53.36	−10 11.7	1.286	2.226	10.9	18.9
3 22	12 44.45	−10 4.1	1.240	2.221	6.0	18.6
4 1	12 34.18	− 9 42.5	1.219	2.216	2.5	18.3
4 11	12 24.00	− 9 12.8	1.224	2.211	6.1	18.5
4 21	12 15.27	− 8 42.2	1.254	2.206	11.1	18.8
5 1	12 9.06	− 8 17.6	1.306	2.202	15.6	19.0

143468 2003 CP_3 3 30.3 115.°27 0.°8/29.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.12	− 1 14.3	2.556	3.337	11.9	19.7
3 2	12 59.55	− 1 18.0	2.473	3.349	9.3	19.5
3 12	12 52.20	− 1 15.9	2.415	3.360	6.2	19.3
3 22	12 43.59	− 1 10.3	2.385	3.371	2.8	19.1
4 1	12 34.40	− 1 4.1	2.385	3.382	1.2	19.0
4 11	12 25.43	− 1 0.3	2.416	3.393	4.4	19.3
4 21	12 17.39	− 1 1.7	2.476	3.403	7.6	19.5
5 1	12 10.85	− 1 10.2	2.562	3.414	10.4	19.7

94923 2001 YA_{64} 3 30.3 123.°37 0.°3/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.88	− 6 8.7	1.756	2.546	16.2	20.7
3 2	13 0.15	− 5 37.8	1.683	2.562	12.6	20.5
3 12	12 52.97	− 4 52.0	1.632	2.578	8.5	20.3
3 22	12 44.03	− 3 55.4	1.606	2.593	3.9	20.1
4 1	12 34.31	− 2 54.2	1.609	2.607	1.0	19.9
4 11	12 24.95	− 1 55.6	1.640	2.621	5.6	20.2
4 21	12 16.94	− 1 6.2	1.698	2.634	9.9	20.5
5 1	12 11.02	− 0 30.6	1.779	2.647	13.6	20.7

295399 2008 JZ_8 3 30.3 273.°37 2.°0/28.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.51	− 3 23.3	1.786	2.598	15.1	20.8
3 2	12 54.66	− 2 18.5	1.691	2.585	11.7	20.5
3 12	12 49.50	− 0 57.4	1.619	2.573	7.8	20.3
3 22	12 42.53	+ 0 34.4	1.572	2.561	3.6	20.0
4 1	12 34.60	+ 2 8.8	1.553	2.548	2.7	19.9
4 11	12 26.75	+ 3 36.5	1.562	2.536	6.9	20.1
4 21	12 19.96	+ 4 49.5	1.597	2.523	11.2	20.3
5 1	12 15.05	+ 5 42.4	1.654	2.510	15.0	20.5

154679 2004 GD_{37} 3 30.3 342.°41 2.°7/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.79	−10 12.9	1.157	1.975	21.2	20.1
3 2	12 57.73	−10 33.5	1.078	1.968	17.2	19.8
3 12	12 52.28	−10 32.2	1.016	1.962	12.3	19.5
3 22	12 44.05	−10 9.3	0.974	1.957	6.8	19.2
4 1	12 34.28	− 9 28.7	0.956	1.953	2.7	18.9
4 11	12 24.63	− 8 38.8	0.961	1.949	6.8	19.2
4 21	12 16.70	− 7 49.5	0.988	1.947	12.5	19.5
5 1	12 11.68	− 7 10.2	1.035	1.945	17.6	19.7

422352 2014 SG_{229} 3 30.3 109.°10 0.°5/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.86	− 7 52.0	1.817	2.603	15.8	22.2
3 2	12 58.53	− 7 30.3	1.742	2.618	12.5	22.0
3 12	12 51.88	− 6 53.1	1.689	2.633	8.5	21.8
3 22	12 43.53	− 6 3.7	1.661	2.647	4.1	21.6
4 1	12 34.43	− 5 7.5	1.662	2.660	0.8	21.4
4 11	12 25.64	− 4 11.2	1.690	2.674	5.1	21.7
4 21	12 18.11	− 3 21.3	1.745	2.687	9.3	22.0
5 1	12 12.57	− 2 42.9	1.825	2.699	12.9	22.2

401007 2011 QX_{92} 3 30.3 183.°82 3.°3/ 2.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.09	−13 44.0	1.726	2.489	17.5	22.4
3 2	13 0.72	−13 57.1	1.635	2.489	14.3	22.2
3 12	12 53.66	−13 50.9	1.563	2.489	10.5	21.9
3 22	12 44.50	−13 25.6	1.516	2.489	6.3	21.7
4 1	12 34.21	−12 43.6	1.495	2.488	3.4	21.5
4 11	12 24.06	−11 50.7	1.502	2.487	5.6	21.6
4 21	12 15.20	−10 54.7	1.536	2.485	9.7	21.8
5 1	12 8.56	−10 3.0	1.593	2.482	13.7	22.1

39581 1993 FQ_{21} 3 30.3 225.°63 0.°3/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.37	− 6 50.7	2.138	2.922	13.8	19.7
3 2	12 56.44	− 6 33.6	2.042	2.917	10.9	19.5
3 12	12 50.46	− 6 3.8	1.968	2.911	7.5	19.2
3 22	12 42.91	− 5 23.6	1.920	2.906	3.6	19.0
4 1	12 34.55	− 4 37.4	1.901	2.900	0.7	18.7
4 11	12 26.29	− 3 50.6	1.910	2.894	4.7	19.0
4 21	12 18.97	− 3 8.5	1.948	2.887	8.6	19.2
5 1	12 13.31	− 2 35.8	2.010	2.881	12.1	19.4

53606 2000 CN_{81} 3 30.3 297.°16 2.°9/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.50	− 1 57.5	1.323	2.155	18.2	18.6
3 2	12 56.41	− 1 4.5	1.228	2.133	14.3	18.3
3 12	12 51.28	+ 0 7.8	1.153	2.111	9.6	18.0
3 22	12 43.59	+ 1 33.1	1.100	2.089	4.6	17.6
4 1	12 34.37	+ 3 1.6	1.073	2.067	3.8	17.5
4 11	12 25.08	+ 4 21.0	1.070	2.046	8.9	17.7
4 21	12 17.15	+ 5 21.2	1.091	2.024	14.3	17.9
5 1	12 11.76	+ 5 55.4	1.130	2.004	19.2	18.2

90299 2003 ED_{34} 3 30.3 303.°83 8.°2/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.58	−21 14.1	1.738	2.465	18.6	19.0
3 2	13 0.91	−22 37.6	1.626	2.443	16.2	18.8
3 12	12 54.27	−23 44.1	1.532	2.420	13.3	18.5
3 22	12 45.02	−24 28.5	1.461	2.398	10.4	18.3
4 1	12 34.06	−24 47.2	1.413	2.376	8.4	18.1
4 11	12 22.72	−24 40.3	1.391	2.354	8.8	18.1
4 21	12 12.44	−24 12.3	1.394	2.332	11.4	18.2
5 1	12 4.46	−23 31.5	1.419	2.311	14.9	18.3

424103 2007 EO_{27} 3 30.3 95.°11 1.°6/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.15	− 3 16.4	1.909	2.709	14.7	22.1
3 2	12 56.97	− 2 21.4	1.843	2.731	11.3	21.9
3 12	12 50.69	− 1 14.4	1.801	2.752	7.4	21.7
3 22	12 42.94	− 0 0.7	1.784	2.772	3.3	21.5
4 1	12 34.57	+ 1 12.6	1.797	2.793	2.2	21.5
4 11	12 26.57	+ 2 18.3	1.838	2.812	5.9	21.7
4 21	12 19.76	+ 3 10.8	1.906	2.832	9.7	22.0
5 1	12 14.77	+ 3 46.9	1.998	2.851	12.9	22.2

415315 2013 HP_{12} 3 30.3 307.°22 5.°2/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.96	+ 4 49.7	1.374	2.212	17.3	20.8
3 2	12 58.11	+ 5 41.2	1.289	2.197	13.6	20.5
3 12	12 52.24	+ 6 41.9	1.225	2.182	9.4	20.3
3 22	12 43.95	+ 7 43.6	1.184	2.168	5.8	20.0
4 1	12 34.33	+ 8 36.3	1.169	2.153	6.1	20.0
4 11	12 24.80	+ 9 10.7	1.177	2.140	10.1	20.2
4 21	12 16.73	+ 9 21.1	1.209	2.126	14.7	20.4
5 1	12 11.16	+ 9 5.5	1.260	2.113	18.9	20.6

344222 2001 RK_{106} 3 30.3 231.°99 1.°1/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.54	− 3 29.8	2.612	3.402	11.5	21.8
3 2	12 53.86	− 2 44.4	2.509	3.391	8.9	21.7
3 12	12 48.53	− 1 48.7	2.431	3.380	5.9	21.4
3 22	12 41.96	− 0 46.2	2.381	3.368	2.7	21.2
4 1	12 34.75	+ 0 18.4	2.360	3.356	1.5	21.1
4 11	12 27.61	+ 1 19.7	2.369	3.344	4.7	21.3
4 21	12 21.18	+ 2 13.0	2.407	3.331	8.0	21.5
5 1	12 16.05	+ 2 54.5	2.470	3.318	10.9	21.7

381436 2008 QA_5 3 30.3 169.°58 1.°1/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.29	− 8 58.9	2.429	3.193	12.9	21.6
3 2	12 57.62	− 8 55.9	2.335	3.197	10.3	21.4
3 12	12 51.07	− 8 41.1	2.265	3.200	7.2	21.2
3 22	12 43.14	− 8 16.1	2.221	3.202	3.7	21.0
4 1	12 34.52	− 7 43.8	2.206	3.204	1.2	20.8
4 11	12 26.04	− 7 8.5	2.222	3.206	4.1	21.0
4 21	12 18.44	− 6 34.6	2.265	3.207	7.5	21.2
5 1	12 12.36	− 6 6.2	2.335	3.207	10.6	21.4

354904 2006 CX_{28} 3 30.3 28.°68 5.°2/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.66	−15 49.1	1.366	2.144	20.5	20.4
3 2	12 59.49	−16 27.8	1.287	2.147	17.0	20.1
3 12	12 53.18	−16 43.3	1.226	2.150	12.9	19.9
3 22	12 44.38	−16 33.7	1.186	2.154	8.5	19.6
4 1	12 34.26	−16 0.6	1.169	2.158	5.4	19.4
4 11	12 24.34	−15 10.3	1.178	2.162	6.9	19.5
4 21	12 16.03	−14 11.8	1.211	2.166	11.0	19.8
5 1	12 10.38	−13 15.2	1.265	2.171	15.3	20.0

229686 2007 DP_{36} 3 30.3 288.°85 1.°2/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.67	− 3 53.7	1.823	2.630	15.0	20.9
3 2	12 55.60	− 3 18.2	1.721	2.611	11.8	20.7
3 12	12 50.18	− 2 28.4	1.641	2.593	7.9	20.4
3 22	12 42.90	− 1 28.1	1.586	2.574	3.6	20.1
4 1	12 34.56	− 0 23.6	1.558	2.555	1.8	19.9
4 11	12 26.21	+ 0 37.7	1.557	2.536	6.2	20.2
4 21	12 18.89	+ 1 28.7	1.583	2.518	10.6	20.4
5 1	12 13.44	+ 2 4.1	1.632	2.499	14.6	20.6

224501 2005 WP_{27} 3 30.3 212.°19 0.°7/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.55	− 4 17.9	2.263	3.050	13.1	21.3
3 2	12 57.23	− 3 50.2	2.165	3.043	10.2	21.1
3 12	12 50.93	− 3 11.5	2.090	3.036	6.9	20.8
3 22	12 43.12	− 2 24.9	2.042	3.029	3.1	20.6
4 1	12 34.53	− 1 35.0	2.023	3.021	1.2	20.4
4 11	12 26.03	− 0 47.3	2.033	3.012	5.0	20.7
4 21	12 18.43	− 0 6.8	2.072	3.003	8.7	20.9
5 1	12 12.41	+ 0 22.6	2.135	2.993	12.0	21.1

337621 2001 TR_{72} 3 30.3 130.°95 1.°1/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.06	− 2 6.2	2.872	3.658	10.6	21.6
3 2	12 54.70	− 1 33.0	2.793	3.672	8.2	21.4
3 12	12 48.88	− 0 52.6	2.738	3.686	5.4	21.3
3 22	12 42.05	− 0 8.3	2.712	3.699	2.4	21.1
4 1	12 34.77	+ 0 36.0	2.716	3.712	1.5	21.0
4 11	12 27.67	+ 1 16.5	2.751	3.725	4.2	21.2
4 21	12 21.33	+ 1 49.6	2.814	3.737	7.0	21.4
5 1	12 16.20	+ 2 13.1	2.904	3.748	9.6	21.6

412074 2013 ET_{120} 3 30.3 341.°25 1.°8/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.10	− 8 32.5	1.122	1.953	20.9	20.2
3 2	12 54.93	− 8 45.8	1.040	1.940	16.8	19.9
3 12	12 50.46	− 8 37.8	0.976	1.928	11.9	19.6
3 22	12 43.25	− 8 9.7	0.932	1.918	6.2	19.2
4 1	12 34.48	− 7 26.3	0.911	1.909	1.8	18.9
4 11	12 25.78	− 6 36.7	0.912	1.902	6.9	19.2
4 21	12 18.71	− 5 50.8	0.935	1.896	12.8	19.5
5 1	12 14.49	− 5 17.6	0.978	1.891	18.0	19.8

176067 2000 WJ_4 3 30.3 111.°50 1.°0/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.67	− 7 50.7	2.493	3.264	12.5	20.4
3 2	12 56.29	− 7 54.3	2.403	3.269	9.9	20.2
3 12	12 50.15	− 7 47.5	2.336	3.274	6.8	20.0
3 22	12 42.70	− 7 32.0	2.296	3.278	3.5	19.8
4 1	12 34.63	− 7 10.4	2.285	3.283	1.0	19.6
4 11	12 26.70	− 6 46.4	2.303	3.287	3.9	19.9
4 21	12 19.61	− 6 23.9	2.350	3.292	7.2	20.1
5 1	12 13.96	− 6 6.4	2.423	3.296	10.2	20.3

210910 2001 SB_{240} 3 30.3 189.°34 1.°2/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.10	− 1 53.0	2.550	3.342	11.6	21.3
3 2	12 55.04	− 1 23.8	2.459	3.342	9.0	21.1
3 12	12 49.29	− 0 46.5	2.392	3.341	6.0	20.9
3 22	12 42.30	− 0 4.5	2.352	3.339	2.7	20.7
4 1	12 34.72	+ 0 38.0	2.342	3.338	1.6	20.6
4 11	12 27.26	+ 1 16.6	2.361	3.336	4.8	20.8
4 21	12 20.59	+ 1 47.2	2.409	3.334	7.9	21.0
5 1	12 15.29	+ 2 7.1	2.482	3.332	10.8	21.2

498916 2009 AW_{46} 3 30.3 35.°92 1.°2/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.19	− 8 33.6	2.009	2.792	14.7	21.5
3 2	12 56.37	− 8 35.9	1.924	2.796	11.7	21.3
3 12	12 50.42	− 8 24.9	1.861	2.801	8.1	21.1
3 22	12 42.90	− 8 2.3	1.823	2.806	4.2	20.8
4 1	12 34.60	− 7 31.6	1.813	2.811	1.3	20.6
4 11	12 26.48	− 6 57.8	1.831	2.816	4.6	20.9
4 21	12 19.41	− 6 25.9	1.876	2.822	8.5	21.1
5 1	12 14.10	− 6 0.8	1.945	2.827	11.9	21.3

425467 2010 EB_{101} 3 30.3 69.°66 1.°5/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.37	− 3 8.1	2.068	2.872	13.6	21.5
3 2	12 54.09	− 2 19.2	1.984	2.874	10.5	21.2
3 12	12 48.84	− 1 18.4	1.924	2.876	6.9	21.0
3 22	12 42.15	− 0 10.4	1.889	2.878	3.1	20.8
4 1	12 34.76	+ 0 58.8	1.884	2.880	2.0	20.7
4 11	12 27.55	+ 2 2.3	1.907	2.882	5.6	21.0
4 21	12 21.31	+ 2 54.5	1.956	2.884	9.3	21.2
5 1	12 16.69	+ 3 31.7	2.030	2.886	12.6	21.4

253209 2002 XX_{85} 3 30.3 112.°30 1.°0/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.66	− 9 25.3	2.163	2.928	14.3	22.2
3 2	12 59.47	− 9 8.8	2.090	2.952	11.3	22.1
3 12	12 52.28	− 8 38.4	2.040	2.976	7.8	21.9
3 22	12 43.67	− 7 56.6	2.017	2.999	3.9	21.7
4 1	12 34.47	− 7 7.6	2.023	3.021	1.1	21.5
4 11	12 25.60	− 6 16.7	2.058	3.042	4.4	21.8
4 21	12 17.87	− 5 29.5	2.122	3.063	8.0	22.0
5 1	12 11.88	− 4 50.5	2.212	3.082	11.2	22.3

59614 1999 JR_{69} 3 30.3 340.°71 2.°5/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.14	− 1 19.9	1.506	2.334	16.6	19.0
3 2	12 54.73	− 0 35.6	1.424	2.327	12.9	18.8
3 12	12 49.72	+ 0 22.7	1.363	2.320	8.6	18.5
3 22	12 42.70	+ 1 29.1	1.326	2.314	4.1	18.2
4 1	12 34.64	+ 2 35.2	1.315	2.309	3.2	18.1
4 11	12 26.75	+ 3 32.2	1.329	2.305	7.5	18.4
4 21	12 20.15	+ 4 13.1	1.368	2.301	12.1	18.6
5 1	12 15.71	+ 4 33.5	1.428	2.297	16.2	18.9

200753 2001 WW_6 3 30.3 38.°20 6.°5/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.20	+ 7 3.4	1.053	1.905	20.4	19.1
3 2	13 0.75	+ 7 51.4	1.010	1.924	15.8	18.9
3 12	12 53.85	+ 8 43.1	0.987	1.945	10.9	18.7
3 22	12 44.53	+ 9 28.0	0.984	1.966	7.0	18.6
4 1	12 34.32	+ 9 55.8	1.005	1.988	7.3	18.6
4 11	12 24.94	+ 9 59.7	1.049	2.011	11.1	18.9
4 21	12 17.70	+ 9 38.0	1.114	2.034	15.4	19.2
5 1	12 13.41	+ 8 52.7	1.197	2.058	19.2	19.5

274491 2008 SF_{116} 3 30.3 253.°47 0.°7/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.10	− 6 0.1	2.226	3.015	13.2	21.4
3 2	12 54.68	− 5 8.3	2.118	2.998	10.4	21.2
3 12	12 49.31	− 4 1.6	2.034	2.981	7.0	20.9
3 22	12 42.42	− 2 43.8	1.976	2.964	3.2	20.7
4 1	12 34.70	− 1 20.5	1.948	2.946	1.3	20.5
4 11	12 26.99	+ 0 1.2	1.949	2.927	5.2	20.7
4 21	12 20.12	+ 1 14.6	1.978	2.909	9.1	20.9
5 1	12 14.78	+ 2 14.4	2.032	2.889	12.5	21.1

358042 2006 GZ_{24} 3 30.3 344.°60 1.°5/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.84	− 3 13.6	1.140	1.982	19.8	20.9
3 2	12 55.35	− 2 54.7	1.063	1.972	15.6	20.6
3 12	12 50.62	− 2 18.1	1.004	1.964	10.5	20.2
3 22	12 43.28	− 1 29.0	0.967	1.956	4.8	19.9
4 1	12 34.52	− 0 35.6	0.952	1.950	2.2	19.7
4 11	12 25.93	+ 0 11.8	0.961	1.945	8.0	20.0
4 21	12 19.00	+ 0 44.3	0.992	1.941	13.7	20.3
5 1	12 14.82	+ 0 56.4	1.042	1.939	18.6	20.6

92943 2000 RD_{38} 3 30.3 109.°42 0.°9/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.24	− 4 38.6	1.871	2.673	14.9	19.4
3 2	12 55.78	− 4 1.4	1.788	2.675	11.6	19.2
3 12	12 50.11	− 3 10.5	1.726	2.677	7.7	19.0
3 22	12 42.79	− 2 10.1	1.690	2.678	3.5	18.7
4 1	12 34.66	− 1 6.4	1.682	2.680	1.5	18.6
4 11	12 26.72	− 0 6.6	1.702	2.682	5.7	18.9
4 21	12 19.89	+ 0 43.3	1.748	2.683	9.8	19.1
5 1	12 14.89	+ 1 18.6	1.818	2.685	13.4	19.3

39590 1993 FG_{76} 3 30.3 249.°63 0.°2/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.37	− 8 15.1	2.278	3.057	13.2	19.8
3 2	12 54.85	− 7 35.2	2.169	3.042	10.5	19.6
3 12	12 49.41	− 6 40.1	2.083	3.026	7.2	19.3
3 22	12 42.47	− 5 32.6	2.024	3.009	3.4	19.1
4 1	12 34.71	− 4 17.5	1.994	2.992	0.6	18.8
4 11	12 26.97	− 3 1.1	1.993	2.975	4.6	19.1
4 21	12 20.06	− 1 50.0	2.020	2.958	8.5	19.3
5 1	12 14.65	− 0 49.8	2.073	2.940	11.9	19.4

49638 1999 HK_9 3 30.3 65.°69 1.°5/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.71	−12 6.7	2.145	2.916	14.2	18.4
3 2	12 53.51	−11 36.5	2.061	2.925	11.4	18.2
3 12	12 48.42	−10 49.3	1.999	2.933	8.0	18.0
3 22	12 41.95	− 9 47.5	1.962	2.942	4.3	17.8
4 1	12 34.83	− 8 35.8	1.954	2.951	1.5	17.6
4 11	12 27.92	− 7 20.7	1.974	2.960	4.2	17.8
4 21	12 21.96	− 6 8.6	2.022	2.970	7.9	18.0
5 1	12 17.58	− 5 5.5	2.096	2.979	11.1	18.3

102304 1999 TB_{92} 3 30.3 195.°01 3.°4/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.52	+ 1 39.3	1.881	2.694	14.4	20.3
3 2	12 57.56	+ 2 43.3	1.797	2.692	11.1	20.1
3 12	12 51.32	+ 3 57.2	1.737	2.690	7.4	19.9
3 22	12 43.36	+ 5 14.6	1.703	2.687	4.1	19.7
4 1	12 34.55	+ 6 27.7	1.697	2.684	4.1	19.7
4 11	12 25.92	+ 7 28.8	1.719	2.681	7.5	19.9
4 21	12 18.41	+ 8 12.5	1.767	2.677	11.3	20.1
5 1	12 12.78	+ 8 35.8	1.838	2.672	14.7	20.3

361672 2007 TW_{451} 3 30.3 253.°22 8.°0/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.29	−29 47.7	1.993	2.661	18.2	20.9
3 2	12 57.91	−29 55.1	1.872	2.641	16.2	20.6
3 12	12 51.93	−29 33.3	1.768	2.620	13.6	20.4
3 22	12 43.81	−28 38.2	1.684	2.599	10.9	20.2
4 1	12 34.43	−27 8.5	1.625	2.576	8.6	20.0
4 11	12 24.97	−25 8.2	1.593	2.553	8.1	19.9
4 21	12 16.61	−22 46.3	1.587	2.529	10.0	20.0
5 1	12 10.33	−20 15.3	1.608	2.505	13.2	20.1

230941 2004 XN_{22} 3 30.3 105.°18 1.°3/29.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.40	− 3 6.8	1.995	2.797	14.1	20.2
3 2	12 55.72	− 2 29.7	1.913	2.801	10.9	20.0
3 12	12 49.97	− 1 41.1	1.855	2.806	7.2	19.8
3 22	12 42.69	− 0 45.3	1.822	2.810	3.3	19.6
4 1	12 34.69	+ 0 11.8	1.818	2.815	1.8	19.5
4 11	12 26.90	+ 1 3.9	1.842	2.819	5.6	19.7
4 21	12 20.15	+ 1 45.6	1.893	2.823	9.4	20.0
5 1	12 15.13	+ 2 13.3	1.967	2.828	12.8	20.2

86799 2000 GH_{112} 3 30.3 269.°23 2.°1/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.89	− 3 2.2	1.569	2.384	16.7	19.8
3 2	12 57.81	− 2 10.8	1.469	2.364	13.1	19.5
3 12	12 51.96	− 1 1.9	1.389	2.343	8.8	19.2
3 22	12 43.86	+ 0 19.4	1.334	2.322	4.1	18.8
4 1	12 34.42	+ 1 44.8	1.306	2.301	2.8	18.7
4 11	12 24.93	+ 3 4.1	1.304	2.279	7.6	18.9
4 21	12 16.63	+ 4 8.2	1.327	2.257	12.6	19.1
5 1	12 10.56	+ 4 51.0	1.372	2.235	17.1	19.3

295723 2008 UR_{51} 3 30.3 83.°28 0.°1/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.72	− 6 21.4	2.061	2.850	14.1	21.6
3 2	12 55.90	− 6 2.3	1.979	2.857	11.1	21.5
3 12	12 50.06	− 5 30.6	1.919	2.864	7.5	21.2
3 22	12 42.72	− 4 49.3	1.885	2.872	3.5	21.0
4 1	12 34.69	− 4 3.1	1.880	2.879	0.7	20.8
4 11	12 26.86	− 3 17.4	1.903	2.886	4.8	21.1
4 21	12 20.06	− 2 37.6	1.953	2.893	8.6	21.3
5 1	12 14.94	− 2 7.9	2.028	2.900	11.9	21.6

341188 2007 RJ_{50} 3 30.3 149.°38 2.°9/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.64	−14 55.3	2.494	3.234	13.3	22.2
3 2	12 56.35	−15 1.7	2.400	3.240	10.9	22.0
3 12	12 50.24	−14 53.4	2.329	3.245	8.0	21.9
3 22	12 42.79	−14 30.9	2.283	3.250	5.0	21.7
4 1	12 34.67	−13 56.4	2.266	3.255	2.9	21.5
4 11	12 26.68	−13 13.8	2.278	3.260	4.2	21.6
4 21	12 19.56	−12 27.9	2.318	3.264	7.1	21.8
5 1	12 13.90	−11 43.8	2.384	3.268	10.0	22.0

380498 2004 DT 3 30.3 85.°08 2.°1/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.37	+ 0 4.5	2.240	3.042	12.7	21.0
3 2	12 56.04	+ 0 49.4	2.177	3.066	9.7	20.9
3 12	12 49.93	+ 1 41.7	2.138	3.089	6.4	20.7
3 22	12 42.58	+ 2 36.5	2.126	3.112	3.1	20.5
4 1	12 34.74	+ 3 28.6	2.143	3.135	2.6	20.5
4 11	12 27.21	+ 4 12.5	2.189	3.158	5.6	20.7
4 21	12 20.71	+ 4 44.7	2.262	3.180	8.8	21.0
5 1	12 15.76	+ 5 2.9	2.360	3.202	11.6	21.2

434843 2006 SW_{123} 3 30.3 171.°75 3.°2/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.38	+ 3 6.3	2.760	3.567	10.5	21.5
3 2	12 52.80	+ 4 32.0	2.677	3.569	8.0	21.4
3 12	12 47.73	+ 6 4.3	2.620	3.571	5.4	21.2
3 22	12 41.59	+ 7 37.8	2.593	3.573	3.4	21.1
4 1	12 34.94	+ 9 6.3	2.596	3.575	3.8	21.1
4 11	12 28.42	+10 24.3	2.629	3.576	6.2	21.2
4 21	12 22.61	+11 27.5	2.690	3.577	8.8	21.4
5 1	12 18.01	+12 13.6	2.776	3.577	11.1	21.6

410050 2007 AX_{17} 3 30.3 121.°61 2.°2/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.31	+ 0 18.6	2.065	2.864	13.8	21.6
3 2	12 59.32	+ 0 53.5	1.994	2.880	10.6	21.5
3 12	12 52.25	+ 1 36.1	1.946	2.896	7.0	21.3
3 22	12 43.71	+ 2 21.7	1.925	2.912	3.4	21.1
4 1	12 34.53	+ 3 4.9	1.933	2.927	2.7	21.0
4 11	12 25.68	+ 3 40.2	1.971	2.941	6.0	21.3
4 21	12 17.97	+ 4 3.7	2.035	2.955	9.5	21.5
5 1	12 12.05	+ 4 13.1	2.124	2.968	12.6	21.7

157264 2004 RH_{190} 3 30.3 210.°16 2.°2/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.03	−14 49.0	2.436	3.181	13.4	20.8
3 2	12 55.22	−14 19.6	2.330	3.175	10.9	20.6
3 12	12 49.57	−13 32.6	2.246	3.168	7.9	20.4
3 22	12 42.52	−12 29.4	2.188	3.161	4.7	20.2
4 1	12 34.75	−11 13.5	2.159	3.153	2.2	20.0
4 11	12 27.06	− 9 50.6	2.159	3.144	4.1	20.1
4 21	12 20.20	− 8 27.2	2.189	3.135	7.4	20.3
5 1	12 14.80	− 7 9.7	2.246	3.126	10.6	20.5

377371 2004 RX_{152} 3 30.3 252.°08 2.°0/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.45	−13 0.0	2.039	2.806	15.0	21.4
3 2	12 55.18	−12 36.6	1.935	2.795	12.2	21.2
3 12	12 49.77	−11 54.2	1.853	2.785	8.7	21.0
3 22	12 42.69	−10 54.2	1.796	2.774	4.9	20.7
4 1	12 34.71	− 9 40.8	1.766	2.762	2.0	20.5
4 11	12 26.78	− 8 20.6	1.765	2.751	4.6	20.6
4 21	12 19.81	− 7 1.1	1.791	2.739	8.6	20.8
5 1	12 14.55	− 5 49.5	1.843	2.727	12.3	21.0

3698 Manning 3 30.3 252.°09 2.°0/28.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.35	− 2 32.3	1.687	2.496	16.0	16.9
3 2	12 58.71	− 1 46.0	1.587	2.479	12.5	16.6
3 12	12 52.44	− 0 44.5	1.509	2.462	8.4	16.3
3 22	12 44.05	+ 0 27.2	1.456	2.444	3.9	16.0
4 1	12 34.43	+ 1 41.7	1.431	2.426	2.7	15.9
4 11	12 24.81	+ 2 49.9	1.433	2.408	7.2	16.1
4 21	12 16.35	+ 3 44.3	1.460	2.388	11.9	16.3
5 1	12 10.00	+ 4 19.5	1.510	2.369	16.0	16.5

50555 2000 EF_{24} 3 30.3 220.°15 0.°1/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.37	− 6 30.2	2.261	3.047	13.1	19.0
3 2	12 54.76	− 6 2.3	2.167	3.044	10.3	18.8
3 12	12 49.28	− 5 21.9	2.096	3.041	7.0	18.5
3 22	12 42.39	− 4 31.9	2.052	3.038	3.3	18.3
4 1	12 34.79	− 3 36.9	2.036	3.035	0.7	18.1
4 11	12 27.31	− 2 42.4	2.049	3.032	4.6	18.4
4 21	12 20.71	− 1 53.7	2.090	3.028	8.2	18.6
5 1	12 15.62	− 1 15.2	2.156	3.025	11.5	18.8

318725 2005 RC_{11} 3 30.3 172.°53 1.°4/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.11	−11 18.7	1.314	2.115	20.0	20.4
3 2	12 58.22	− 9 8.5	1.231	2.118	15.7	20.1
3 12	12 52.27	− 6 21.5	1.170	2.121	10.5	19.8
3 22	12 43.96	− 3 6.8	1.134	2.123	4.6	19.5
4 1	12 34.47	+ 0 19.2	1.127	2.124	2.5	19.4
4 11	12 25.28	+ 3 35.9	1.148	2.124	8.3	19.7
4 21	12 17.71	+ 6 25.7	1.196	2.124	13.9	20.0
5 1	12 12.73	+ 8 37.7	1.265	2.123	18.6	20.3

222587 2001 WH_{44} 3 30.3 54.°38 1.°8/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.10	+ 1 20.1	2.873	3.674	10.2	20.4
3 2	12 52.45	+ 1 50.3	2.798	3.687	7.8	20.2
3 12	12 47.42	+ 2 25.3	2.748	3.700	5.2	20.1
3 22	12 41.42	+ 3 1.9	2.726	3.712	2.6	19.9
4 1	12 35.00	+ 3 36.3	2.734	3.725	2.2	19.9
4 11	12 28.76	+ 4 4.8	2.771	3.738	4.6	20.1
4 21	12 23.22	+ 4 24.7	2.835	3.751	7.3	20.3
5 1	12 18.84	+ 4 34.3	2.925	3.764	9.6	20.4

242764 2005 WO_{154} 3 30.3 257.°91 6.°9/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.83	+11 14.0	1.836	2.666	14.0	20.2
3 2	12 56.32	+12 40.3	1.763	2.662	11.1	20.0
3 12	12 50.53	+14 8.6	1.714	2.658	8.3	19.9
3 22	12 43.02	+15 30.2	1.690	2.654	6.9	19.8
4 1	12 34.67	+16 36.0	1.693	2.650	7.8	19.8
4 11	12 26.55	+17 19.2	1.722	2.646	10.5	20.0
4 21	12 19.58	+17 36.6	1.775	2.641	13.5	20.1
5 1	12 14.52	+17 28.2	1.848	2.637	16.3	20.3

340758 2006 SH_{298} 3 30.3 75.°13 0.°1/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.36	− 6 21.2	2.314	3.099	12.9	21.4
3 2	12 54.54	− 5 53.9	2.239	3.116	10.0	21.3
3 12	12 48.98	− 5 15.2	2.188	3.133	6.7	21.1
3 22	12 42.19	− 4 28.3	2.164	3.150	3.1	20.9
4 1	12 34.86	− 3 37.6	2.168	3.167	0.6	20.7
4 11	12 27.77	− 2 48.3	2.201	3.183	4.3	21.0
4 21	12 21.60	− 2 5.2	2.263	3.200	7.7	21.2
5 1	12 16.92	− 1 31.8	2.349	3.217	10.7	21.5

429274 2010 CG_{75} 3 30.3 69.°98 1.°0/31.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.58	− 8 35.6	1.921	2.704	15.2	21.5
3 2	12 57.39	− 8 26.3	1.851	2.724	12.0	21.3
3 12	12 51.06	− 8 2.5	1.803	2.744	8.3	21.1
3 22	12 43.19	− 7 27.0	1.780	2.763	4.1	20.9
4 1	12 34.66	− 6 44.1	1.785	2.783	1.0	20.7
4 11	12 26.46	− 5 59.5	1.818	2.803	4.7	21.0
4 21	12 19.45	− 5 19.0	1.878	2.823	8.5	21.3
5 1	12 14.27	− 4 47.2	1.963	2.843	11.9	21.6

177054 2003 EY_{35} 3 30.3 24.°22 1.°2/29.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.61	− 2 38.3	2.102	2.906	13.4	20.3
3 2	12 54.24	− 2 7.9	2.020	2.909	10.4	20.1
3 12	12 48.94	− 1 27.3	1.961	2.913	6.9	19.9
3 22	12 42.23	− 0 40.5	1.929	2.917	3.1	19.7
4 1	12 34.84	+ 0 7.3	1.924	2.921	1.7	19.6
4 11	12 27.64	+ 0 50.5	1.948	2.925	5.3	19.8
4 21	12 21.41	+ 1 24.4	1.998	2.930	8.9	20.0
5 1	12 16.76	+ 1 45.7	2.073	2.935	12.1	20.3

499241 2009 US_{141} 3 30.3 207.°58 2.°7/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.35	−16 22.7	2.541	3.273	13.2	23.6
3 2	12 56.19	−16 1.6	2.432	3.266	10.9	23.4
3 12	12 50.21	−15 23.0	2.344	3.258	8.1	23.2
3 22	12 42.83	−14 27.9	2.283	3.250	5.0	23.0
4 1	12 34.72	−13 19.0	2.250	3.241	2.8	22.8
4 11	12 26.67	−12 1.5	2.248	3.231	4.1	22.9
4 21	12 19.43	−10 41.4	2.274	3.220	7.2	23.1
5 1	12 13.63	− 9 25.0	2.328	3.209	10.3	23.2

216 Kleopatra 3 30.3 140.°43 2.°1/ 2.2 18 A

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.37	−15 10.9	2.614	3.351	12.8	12.6
3 2	12 55.21	−14 41.8	2.524	3.364	10.3	12.5
3 12	12 49.39	−13 56.6	2.457	3.376	7.5	12.3
3 22	12 42.38	−12 57.1	2.417	3.388	4.5	12.2
4 1	12 34.83	−11 46.8	2.406	3.399	2.2	12.1
4 11	12 27.47	−10 30.9	2.425	3.409	3.7	12.2
4 21	12 20.94	− 9 15.1	2.474	3.419	6.7	12.4
5 1	12 15.80	− 8 4.9	2.549	3.428	9.6	12.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
468485	2004 TX_{327}		3 30.3	240.°30	5.°3/ 5.1	17
	h m	° ′			°	m
2 21	13 0.70	−22 17.6	2.344	3.047	14.9	21.7
3 2	12 56.83	−22 30.6	2.228	3.033	12.8	21.5
3 12	12 50.86	−22 23.7	2.133	3.018	10.2	21.3
3 22	12 43.22	−21 55.5	2.062	3.003	7.5	21.1
4 1	12 34.64	−21 6.5	2.017	2.988	5.5	20.9
4 11	12 26.03	−20 0.5	2.000	2.972	5.8	20.9
4 21	12 18.28	−18 43.5	2.011	2.955	8.1	21.0
5 1	12 12.16	−17 22.9	2.048	2.938	11.0	21.2
155441	1998 FP_{10}		3 30.3	299.°73	2.°2/31.8	18
2 21	13 4.47	− 8 37.3	1.791	2.572	16.2	19.7
3 2	13 0.42	− 9 10.0	1.679	2.549	13.2	19.4
3 12	12 53.68	− 9 30.8	1.589	2.526	9.4	19.1
3 22	12 44.70	− 9 39.6	1.523	2.504	5.2	18.8
4 1	12 34.32	− 9 38.0	1.485	2.481	2.2	18.6
4 11	12 23.77	− 9 29.4	1.473	2.459	5.5	18.7
4 21	12 14.24	− 9 18.8	1.489	2.437	10.1	18.9
5 1	12 6.79	− 9 11.3	1.528	2.415	14.3	19.1
88660	2001 RN_{75}		3 30.3	181.°54	2.°2/28.5	18
2 21	13 6.16	− 0 13.7	1.816	2.618	15.3	20.3
3 2	13 1.26	+ 0 18.8	1.731	2.619	11.9	20.1
3 12	12 53.87	+ 1 1.1	1.669	2.620	7.9	19.9
3 22	12 44.60	+ 1 48.5	1.633	2.620	3.8	19.6
4 1	12 34.38	+ 2 34.5	1.625	2.619	2.8	19.5
4 11	12 24.38	+ 3 12.5	1.646	2.618	6.7	19.8
4 21	12 15.63	+ 3 37.7	1.693	2.616	10.8	20.0
5 1	12 8.95	+ 3 46.8	1.763	2.613	14.5	20.2
185574	2008 BV_4		3 30.3	324.°96	4.°6/26.7	17
2 21	12 59.68	+ 3 36.8	1.447	2.283	16.7	20.7
3 2	12 56.87	+ 4 29.0	1.367	2.274	13.0	20.4
3 12	12 51.28	+ 5 31.0	1.308	2.265	8.9	20.2
3 22	12 43.51	+ 6 34.9	1.272	2.257	5.2	19.9
4 1	12 34.60	+ 7 31.4	1.262	2.249	5.4	19.9
4 11	12 25.87	+ 8 11.9	1.278	2.242	9.3	20.1
4 21	12 18.52	+ 8 30.6	1.316	2.235	13.6	20.3
5 1	12 13.50	+ 8 25.3	1.375	2.229	17.6	20.6
115241	2003 SZ_{149}		3 30.3	133.°24	2.°4/28.4	18
2 21	13 5.78	+ 0 32.3	1.764	2.570	15.5	20.3
3 2	13 0.92	+ 1 0.1	1.689	2.579	12.0	20.1
3 12	12 53.58	+ 1 36.6	1.637	2.588	8.0	19.9
3 22	12 44.43	+ 2 16.7	1.610	2.596	3.9	19.7
4 1	12 34.44	+ 2 54.3	1.611	2.604	2.9	19.6
4 11	12 24.76	+ 3 23.2	1.640	2.612	6.7	19.9
4 21	12 16.42	+ 3 39.2	1.695	2.619	10.8	20.1
5 1	12 10.18	+ 3 39.7	1.774	2.626	14.3	20.4
65686	1990 TN_8		3 30.3	201.°43	0.°1/30.2	18
2 21	12 57.82	− 6 20.8	2.908	3.682	10.8	19.8
3 2	12 53.90	− 5 48.9	2.807	3.678	8.5	19.7
3 12	12 48.48	− 5 6.9	2.731	3.673	5.7	19.5
3 22	12 41.98	− 4 17.5	2.682	3.668	2.6	19.2
4 1	12 34.92	− 3 24.1	2.664	3.662	0.6	19.1
4 11	12 27.94	− 2 31.2	2.676	3.656	3.8	19.3
4 21	12 21.63	− 1 42.9	2.717	3.650	6.8	19.5
5 1	12 16.50	− 1 2.8	2.784	3.643	9.5	19.7
27747	1990 YW		3 30.3	92.°98	1.°0/31.8	18
2 21	12 57.72	−11 29.8	2.528	3.289	12.6	18.6
3 2	12 53.90	−10 49.4	2.452	3.311	10.0	18.5
3 12	12 48.48	− 9 54.6	2.399	3.332	6.9	18.3
3 22	12 41.95	− 8 48.5	2.373	3.354	3.6	18.1
4 1	12 34.94	− 7 35.3	2.377	3.375	1.0	18.0
4 11	12 28.18	− 6 20.7	2.411	3.395	3.7	18.2
4 21	12 22.28	− 5 10.1	2.473	3.416	6.9	18.4
5 1	12 17.74	− 4 8.3	2.562	3.436	9.7	18.7
212914	2007 XL_{44}		3 30.3	357.°73	5.°4/24.9	17
2 21	12 57.58	+ 8 20.9	1.868	2.699	13.7	20.0
3 2	12 54.49	+ 9 21.0	1.795	2.697	10.7	19.8
3 12	12 49.25	+10 24.2	1.744	2.695	7.6	19.6
3 22	12 42.42	+11 23.4	1.720	2.694	5.5	19.5
4 1	12 34.84	+12 11.2	1.722	2.694	6.2	19.5
4 11	12 27.48	+12 41.4	1.750	2.694	8.9	19.7
4 21	12 21.22	+12 51.1	1.803	2.695	12.1	19.9
5 1	12 16.75	+12 39.3	1.877	2.696	15.0	20.1
222819	2002 CA_{298}		3 30.4	108.°77	0.°4/30.8	18
2 21	13 0.07	− 7 43.3	1.911	2.700	15.1	20.7
3 2	12 56.41	− 7 22.0	1.827	2.704	11.9	20.5
3 12	12 50.54	− 6 45.8	1.764	2.708	8.1	20.3
3 22	12 43.03	− 5 57.7	1.727	2.712	3.9	20.0
4 1	12 34.72	− 5 2.5	1.717	2.716	0.7	19.8
4 11	12 26.60	− 4 6.8	1.735	2.719	5.0	20.1
4 21	12 19.59	− 3 16.8	1.780	2.723	9.1	20.3
5 1	12 14.39	− 2 37.7	1.850	2.727	12.7	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
193243	2000 SS_{42}		3 30.4	59.°57	6.°3/28.9	17
	h m	° ′			°	m
2 21	13 27.72	+11 45.8	0.967	1.791	24.0	18.8
3 2	13 19.96	+11 5.8	0.908	1.803	19.2	18.5
3 12	13 7.33	+10 16.6	0.866	1.815	13.5	18.3
3 22	12 51.01	+ 9 10.8	0.846	1.827	8.1	18.0
4 1	12 33.18	+ 7 44.1	0.851	1.840	6.7	18.0
4 11	12 16.48	+ 5 57.8	0.882	1.853	11.2	18.3
4 21	12 3.01	+ 3 57.8	0.937	1.866	16.7	18.6
5 1	11 53.91	+ 1 50.5	1.012	1.879	21.4	18.9
156069	2001 SM_{86}		3 30.4	315.°63	1.°9/31.7	18
2 21	12 59.38	− 9 38.5	1.257	2.071	20.1	20.0
3 2	12 57.28	− 9 42.9	1.169	2.058	16.2	19.7
3 12	12 51.98	− 9 25.6	1.098	2.046	11.5	19.4
3 22	12 44.02	− 8 47.6	1.049	2.034	6.1	19.0
4 1	12 34.51	− 7 53.6	1.024	2.022	1.9	18.7
4 11	12 25.01	− 6 52.3	1.023	2.011	6.6	19.0
4 21	12 17.03	− 5 54.0	1.045	2.001	12.3	19.2
5 1	12 11.75	− 5 7.9	1.087	1.991	17.4	19.5
204711	Luojialun		3 30.4	285.°17	1.°5/28.9	17
2 21	12 58.74	− 2 43.0	2.029	2.833	13.8	20.9
3 2	12 55.46	− 2 5.2	1.922	2.811	10.8	20.6
3 12	12 50.02	− 1 15.0	1.837	2.788	7.2	20.4
3 22	12 42.88	− 0 16.4	1.778	2.766	3.3	20.1
4 1	12 34.76	+ 0 45.0	1.747	2.743	2.0	19.9
4 11	12 26.61	+ 1 42.3	1.744	2.720	6.0	20.2
4 21	12 19.35	+ 2 29.5	1.768	2.698	10.0	20.3
5 1	12 13.77	+ 3 1.9	1.816	2.675	13.7	20.5
94591	2001 VS_{59}		3 30.4	59.°35	3.°8/ 2.1	18
2 21	13 3.46	−13 21.7	1.402	2.186	19.8	19.4
3 2	12 59.96	−13 44.6	1.325	2.193	16.2	19.2
3 12	12 53.43	−13 45.8	1.267	2.199	11.8	18.9
3 22	12 44.53	−13 25.1	1.231	2.206	7.2	18.7
4 1	12 34.44	−12 45.5	1.220	2.213	3.8	18.5
4 11	12 24.61	−11 53.9	1.234	2.220	6.2	18.7
4 21	12 16.38	−10 59.3	1.273	2.227	10.7	18.9
5 1	12 10.71	−10 10.4	1.334	2.234	15.0	19.2
212428	2006 OX_1		3 30.4	229.°99	0.°9/29.5	16
2 21	13 3.04	− 4 6.6	1.980	2.772	14.5	21.4
3 2	12 58.80	− 3 36.9	1.879	2.761	11.4	21.2
3 12	12 52.25	− 2 54.3	1.801	2.749	7.7	20.9
3 22	12 43.90	− 2 2.5	1.749	2.736	3.5	20.6
4 1	12 34.56	− 1 6.8	1.725	2.723	1.4	20.5
4 11	12 25.26	− 0 13.8	1.730	2.709	5.7	20.7
4 21	12 16.98	+ 0 30.5	1.763	2.695	9.9	20.9
5 1	12 10.53	+ 1 1.4	1.819	2.679	13.6	21.1
387996	2005 QD_{99}		3 30.4	147.°97	2.°1/ 1.8	18
2 21	13 1.49	−12 6.9	2.846	3.589	11.7	21.9
3 2	12 56.76	−12 19.4	2.751	3.596	9.5	21.7
3 12	12 50.42	−12 20.8	2.680	3.602	6.8	21.5
3 22	12 42.89	−12 11.8	2.635	3.608	4.0	21.4
4 1	12 34.78	−11 54.2	2.620	3.613	2.1	21.2
4 11	12 26.78	−11 30.9	2.636	3.619	3.6	21.3
4 21	12 19.54	−11 5.4	2.680	3.623	6.4	21.5
5 1	12 13.58	−10 41.6	2.752	3.628	9.0	21.7
51958	2001 QJ_{256}		3 30.4	268.°04	0.°5/29.5	18
2 21	12 54.05	− 2 2.0	4.442	5.220	7.3	18.9
3 2	12 50.46	− 1 53.3	4.337	5.212	5.6	18.7
3 12	12 45.93	− 1 40.5	4.259	5.204	3.7	18.6
3 22	12 40.74	− 1 25.2	4.209	5.196	1.7	18.4
4 1	12 35.21	− 1 9.2	4.190	5.188	0.7	18.3
4 11	12 29.73	− 0 54.6	4.202	5.180	2.7	18.5
4 21	12 24.65	− 0 43.2	4.244	5.171	4.7	18.6
5 1	12 20.28	− 0 36.5	4.313	5.163	6.6	18.7
499327	2009 WQ_{154}		3 30.4	173.°38	1.°8/ 1.2	17
2 21	13 2.39	−11 0.1	2.266	3.026	13.9	22.5
3 2	12 57.91	−10 57.9	2.172	3.029	11.1	22.3
3 12	12 51.42	−10 41.6	2.100	3.031	7.9	22.1
3 22	12 43.43	−10 12.6	2.054	3.032	4.4	21.9
4 1	12 34.68	− 9 33.9	2.037	3.033	1.8	21.7
4 11	12 26.05	− 8 50.2	2.049	3.034	4.3	21.8
4 21	12 18.37	− 8 6.7	2.090	3.034	7.8	22.1
5 1	12 12.32	− 7 28.3	2.156	3.034	11.1	22.3
332536	2008 PX_7		3 30.4	267.°70	4.°9/24.6	18
2 21	12 58.71	+ 5 17.6	2.065	2.885	13.0	21.0
3 2	12 55.40	+ 6 48.4	1.964	2.862	10.2	20.8
3 12	12 49.96	+ 8 28.8	1.887	2.838	7.1	20.6
3 22	12 42.85	+10 11.4	1.838	2.814	5.0	20.4
4 1	12 34.79	+11 47.3	1.817	2.790	5.8	20.4
4 11	12 26.71	+13 8.2	1.824	2.765	8.8	20.5
4 21	12 19.51	+14 7.8	1.857	2.740	12.2	20.7
5 1	12 13.96	+14 43.3	1.912	2.714	15.4	20.8

503384 2016 CO_{102} 3 30.4 117.°07 1.°7/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.86	−12 16.1	1.670	2.449	17.3	21.4
3 2	12 57.34	−11 44.4	1.590	2.459	13.9	21.2
3 12	12 51.33	−10 51.0	1.531	2.468	9.8	20.9
3 22	12 43.45	− 9 38.7	1.496	2.477	5.2	20.7
4 1	12 34.69	− 8 13.4	1.488	2.486	1.7	20.5
4 11	12 26.21	− 6 44.2	1.508	2.494	5.2	20.7
4 21	12 19.04	− 5 20.1	1.554	2.502	9.7	21.0
5 1	12 13.97	− 4 8.8	1.624	2.510	13.7	21.2

385135 2013 SC_{30} 3 30.4 158.°61 1.°7/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.25	− 1 7.5	2.272	3.068	12.8	21.5
3 2	12 56.90	− 0 31.4	2.188	3.073	9.9	21.3
3 12	12 50.66	+ 0 13.4	2.128	3.078	6.5	21.1
3 22	12 43.05	+ 1 2.8	2.095	3.082	3.1	20.9
4 1	12 34.78	+ 1 51.7	2.092	3.086	2.1	20.8
4 11	12 26.69	+ 2 34.7	2.117	3.090	5.4	21.0
4 21	12 19.56	+ 3 7.5	2.171	3.093	8.8	21.2
5 1	12 13.98	+ 3 27.4	2.249	3.096	11.9	21.4

153734 2001 UF_{134} 3 30.4 63.°60 6.°1/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.04	−25 9.4	1.709	2.426	19.2	19.5
3 2	12 55.92	−24 55.3	1.637	2.449	16.3	19.3
3 12	12 50.32	−24 10.7	1.583	2.471	12.9	19.1
3 22	12 42.94	−22 55.7	1.551	2.494	9.4	19.0
4 1	12 34.81	−21 14.0	1.544	2.517	6.6	18.8
4 11	12 27.09	−19 14.2	1.563	2.540	6.5	18.9
4 21	12 20.76	−17 7.7	1.610	2.562	9.0	19.1
5 1	12 16.54	−15 5.6	1.681	2.585	12.3	19.3

250480 2004 DX_{24} 3 30.4 241.°16 12.°6/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 16.06	−22 57.0	1.259	1.989	24.3	20.3
3 2	13 11.40	−25 23.9	1.170	1.983	21.4	20.1
3 12	13 2.36	−27 33.1	1.098	1.977	18.1	19.8
3 22	12 49.27	−29 13.4	1.045	1.970	14.8	19.6
4 1	12 33.44	−30 14.6	1.014	1.963	12.8	19.4
4 11	12 17.07	−30 32.6	1.007	1.955	13.2	19.4
4 21	12 2.52	−30 12.8	1.021	1.947	15.9	19.6
5 1	11 51.73	−29 28.2	1.055	1.940	19.4	19.7

383933 2008 SU_{201} 3 30.4 235.°61 1.°1/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.47	− 9 35.7	2.161	2.936	14.0	21.7
3 2	12 55.80	− 9 19.3	2.062	2.930	11.2	21.5
3 12	12 50.11	− 8 48.0	1.985	2.923	7.8	21.3
3 22	12 42.86	− 8 4.1	1.934	2.916	4.0	21.0
4 1	12 34.81	− 7 11.2	1.911	2.910	1.1	20.8
4 11	12 26.83	− 6 15.1	1.917	2.902	4.5	21.0
4 21	12 19.77	− 5 21.6	1.951	2.895	8.3	21.2
5 1	12 14.33	− 4 36.1	2.010	2.888	11.8	21.4

63381 2001 HJ_{53} 3 30.4 240.°88 2.°2/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.02	− 2 22.2	1.671	2.479	16.1	19.6
3 2	12 59.27	− 1 30.8	1.573	2.465	12.6	19.3
3 12	12 52.85	− 0 23.9	1.497	2.450	8.5	19.0
3 22	12 44.29	+ 0 53.1	1.447	2.434	4.0	18.7
4 1	12 34.52	+ 2 12.3	1.423	2.418	2.9	18.6
4 11	12 24.76	+ 3 24.5	1.428	2.402	7.3	18.8
4 21	12 16.20	+ 4 21.8	1.458	2.384	12.0	19.0
5 1	12 9.78	+ 4 59.0	1.510	2.366	16.2	19.2

49008 1998 QY_{68} 3 30.4 291.°48 4.°8/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.80	−17 3.3	1.638	2.400	18.3	19.1
3 2	12 56.99	−17 22.5	1.536	2.386	15.3	18.9
3 12	12 51.45	−17 19.1	1.454	2.372	11.7	18.6
3 22	12 43.69	−16 51.8	1.393	2.358	7.8	18.3
4 1	12 34.63	−16 1.9	1.357	2.344	4.9	18.1
4 11	12 25.51	−14 55.1	1.347	2.330	6.2	18.2
4 21	12 17.59	−13 39.9	1.362	2.317	10.2	18.3
5 1	12 11.87	−12 26.1	1.401	2.303	14.3	18.6

316057 2009 HS_{60} 3 30.4 280.°57 0.°5/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.67	− 4 57.2	1.632	2.437	16.6	21.4
3 2	12 58.34	− 4 39.1	1.530	2.419	13.1	21.1
3 12	12 52.31	− 4 5.9	1.450	2.400	8.9	20.8
3 22	12 44.08	− 3 20.6	1.394	2.382	4.2	20.5
4 1	12 34.55	− 2 28.8	1.364	2.363	1.2	20.2
4 11	12 24.99	− 1 38.1	1.362	2.344	6.3	20.5
4 21	12 16.58	− 0 55.7	1.384	2.325	11.3	20.7
5 1	12 10.35	− 0 27.7	1.429	2.307	15.7	20.9

253137 2002 VF_{46} 3 30.4 90.°55 3.°0/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.14	+ 1 9.0	1.751	2.564	15.3	21.0
3 2	12 58.75	+ 1 59.7	1.688	2.583	11.7	20.8
3 12	12 52.04	+ 2 59.0	1.649	2.602	7.8	20.6
3 22	12 43.70	+ 4 0.7	1.635	2.621	4.0	20.4
4 1	12 34.68	+ 4 57.4	1.649	2.639	3.6	20.4
4 11	12 26.07	+ 5 42.4	1.691	2.658	7.1	20.7
4 21	12 18.79	+ 6 11.3	1.758	2.676	10.9	20.9
5 1	12 13.51	+ 6 21.9	1.849	2.693	14.1	21.2

105000 2000 KZ_3 3 30.4 190.°92 3.°0/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.05	−17 10.7	2.688	3.416	12.7	20.0
3 2	12 54.30	−16 59.0	2.585	3.415	10.5	19.8
3 12	12 48.88	−16 31.2	2.504	3.414	7.8	19.6
3 22	12 42.23	−15 48.0	2.449	3.412	5.1	19.4
4 1	12 34.95	−14 51.7	2.422	3.410	3.1	19.3
4 11	12 27.77	−13 46.8	2.425	3.407	4.0	19.4
4 21	12 21.34	−12 38.5	2.457	3.404	6.6	19.5
5 1	12 16.24	−11 32.3	2.515	3.401	9.4	19.7

488564 2001 VN_{111} 3 30.4 188.°58 0.°1/30.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.58	− 6 25.5	3.245	4.011	9.9	22.7
3 2	12 54.31	− 6 0.8	3.144	4.010	7.8	22.6
3 12	12 48.68	− 5 27.4	3.068	4.008	5.3	22.4
3 22	12 42.08	− 4 47.5	3.020	4.005	2.5	22.2
4 1	12 34.99	− 4 4.1	3.004	4.002	0.5	22.0
4 11	12 27.98	− 3 20.7	3.018	3.999	3.4	22.2
4 21	12 21.58	− 2 40.7	3.062	3.995	6.1	22.4
5 1	12 16.24	− 2 7.3	3.133	3.990	8.6	22.6

159422 1999 TL_{34} 3 30.4 211.°79 1.°6/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.45	− 2 47.1	2.467	3.260	12.0	20.7
3 2	12 54.69	− 1 44.5	2.369	3.253	9.3	20.5
3 12	12 49.20	− 0 30.5	2.296	3.246	6.1	20.2
3 22	12 42.40	+ 0 50.3	2.251	3.238	2.8	20.0
4 1	12 34.93	+ 2 12.2	2.236	3.230	2.2	19.9
4 11	12 27.55	+ 3 28.8	2.250	3.221	5.3	20.1
4 21	12 20.96	+ 4 34.6	2.294	3.211	8.7	20.3
5 1	12 15.75	+ 5 25.7	2.362	3.201	11.6	20.5

102705 1999 VM_{88} 3 30.4 222.°21 1.°7/28.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.90	− 1 35.8	1.882	2.683	14.8	20.3
3 2	12 59.54	− 1 8.5	1.789	2.676	11.6	20.1
3 12	12 52.79	− 0 30.5	1.718	2.668	7.8	19.9
3 22	12 44.17	+ 0 14.1	1.673	2.660	3.6	19.6
4 1	12 34.58	+ 0 59.5	1.656	2.652	2.2	19.5
4 11	12 25.09	+ 1 39.3	1.667	2.643	6.2	19.7
4 21	12 16.71	+ 2 8.3	1.705	2.633	10.4	19.9
5 1	12 10.27	+ 2 22.7	1.767	2.624	14.1	20.1

32526 2001 OD_{98} 3 30.4 307.°02 4.°4/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.43	−19 17.7	2.170	2.904	15.2	17.9
3 2	12 54.34	−19 24.4	2.069	2.898	12.7	17.7
3 12	12 49.19	−19 11.2	1.988	2.892	9.9	17.5
3 22	12 42.48	−18 37.9	1.930	2.886	6.8	17.3
4 1	12 34.92	−17 46.2	1.899	2.880	4.6	17.2
4 11	12 27.43	−16 40.7	1.895	2.875	5.2	17.2
4 21	12 20.86	−15 28.0	1.919	2.869	8.0	17.4
5 1	12 15.93	−14 15.3	1.968	2.864	11.1	17.5

159946 2005 YT_{48} 3 30.4 292.°19 5.°5/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.37	+ 4 10.1	1.385	2.223	17.2	20.3
3 2	12 57.72	+ 5 19.0	1.297	2.205	13.5	20.0
3 12	12 52.09	+ 6 39.8	1.231	2.188	9.3	19.7
3 22	12 44.03	+ 8 3.9	1.187	2.170	5.9	19.4
4 1	12 34.60	+ 9 19.9	1.169	2.153	6.4	19.4
4 11	12 25.20	+10 17.0	1.176	2.135	10.5	19.6
4 21	12 17.20	+10 48.1	1.206	2.118	15.1	19.8
5 1	12 11.66	+10 50.3	1.254	2.102	19.3	20.0

9206 Yanaikeizo 3 30.4 161.°03 0.°4/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.15	− 5 13.4	2.208	2.989	13.5	19.1
3 2	12 58.46	− 4 44.5	2.121	2.996	10.6	18.9
3 12	12 51.76	− 4 3.8	2.058	3.003	7.1	18.7
3 22	12 43.59	− 3 14.9	2.022	3.008	3.2	18.4
4 1	12 34.72	− 2 22.3	2.015	3.013	0.9	18.3
4 11	12 26.03	− 1 31.8	2.038	3.018	4.9	18.6
4 21	12 18.36	− 0 48.5	2.089	3.021	8.6	18.8
5 1	12 12.33	− 0 16.3	2.165	3.024	11.8	19.0

210408 2007 WF_6 3 30.4 145.°78 4.°7/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.24	−21 24.3	2.474	3.182	14.1	20.9
3 2	12 55.43	−21 37.9	2.378	3.186	12.0	20.7
3 12	12 49.75	−21 33.2	2.301	3.189	9.4	20.6
3 22	12 42.68	−21 9.7	2.249	3.193	6.8	20.4
4 1	12 34.89	−20 28.7	2.224	3.196	5.0	20.3
4 11	12 27.21	−19 33.8	2.227	3.199	5.2	20.3
4 21	12 20.41	−18 30.6	2.258	3.202	7.3	20.4
5 1	12 15.10	−17 25.2	2.315	3.205	9.9	20.6

219821 2002 BW_{26} 3 30.4 169.°59 0.°4/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.41	− 4 50.0	2.412	3.191	12.6	21.3
3 2	12 57.73	− 4 25.7	2.321	3.195	9.8	21.1
3 12	12 51.20	− 3 51.1	2.255	3.199	6.6	20.9
3 22	12 43.31	− 3 9.1	2.216	3.202	3.0	20.7
4 1	12 34.77	− 2 24.0	2.206	3.205	0.9	20.5
4 11	12 26.39	− 1 40.7	2.227	3.207	4.5	20.8
4 21	12 18.90	− 1 3.5	2.276	3.208	8.0	21.0
5 1	12 12.92	− 0 36.0	2.351	3.209	11.0	21.2

319013 2005 UR_{497} 3 30.4 179.°10 0.°6/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.88	−12 31.3	1.904	2.680	15.6	20.1
3 2	12 54.01	−11 14.2	1.811	2.681	12.4	19.9
3 12	12 48.99	− 9 33.5	1.741	2.681	8.6	19.6
3 22	12 42.37	− 7 33.4	1.697	2.681	4.2	19.4
4 1	12 34.96	− 5 21.7	1.682	2.681	0.7	19.1
4 11	12 27.73	− 3 8.9	1.697	2.681	5.1	19.4
4 21	12 21.56	− 1 5.3	1.740	2.681	9.4	19.7
5 1	12 17.14	+ 0 40.9	1.808	2.680	13.1	19.9

386590 2009 FZ_{49} 3 30.4 322.°20 5.°5/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.39	+10 23.8	1.863	2.683	14.2	19.7
3 2	13 0.05	+10 43.8	1.767	2.661	11.3	19.5
3 12	12 53.22	+11 3.5	1.694	2.640	8.2	19.2
3 22	12 44.42	+11 16.7	1.645	2.620	5.8	19.0
4 1	12 34.55	+11 17.3	1.624	2.600	6.1	19.0
4 11	12 24.75	+11 0.6	1.630	2.580	8.9	19.1
4 21	12 16.07	+10 24.6	1.661	2.561	12.4	19.3
5 1	12 9.39	+ 9 29.8	1.714	2.543	15.8	19.5

210723 2000 SQ_{308} 3 30.4 195.°56 2.°6/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.12	−13 27.4	2.002	2.757	15.6	21.5
3 2	12 59.66	−13 25.4	1.903	2.754	12.7	21.3
3 12	12 52.84	−13 5.6	1.826	2.751	9.3	21.0
3 22	12 44.21	−12 28.7	1.774	2.748	5.5	20.8
4 1	12 34.61	−11 37.7	1.749	2.743	2.7	20.6
4 11	12 25.09	−10 38.1	1.753	2.738	4.9	20.7
4 21	12 16.65	− 9 36.8	1.785	2.732	8.8	20.9
5 1	12 10.10	− 8 40.7	1.843	2.725	12.4	21.1

303767 2005 QJ_{169} 3 30.4 227.°93 4.°1/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.74	+ 7 32.8	2.560	3.374	11.0	20.6
3 2	12 54.05	+ 8 31.8	2.476	3.369	8.5	20.4
3 12	12 48.71	+ 9 34.0	2.417	3.364	6.0	20.2
3 22	12 42.16	+10 34.0	2.385	3.359	4.2	20.1
4 1	12 35.02	+11 26.4	2.382	3.354	4.7	20.1
4 11	12 28.00	+12 6.3	2.408	3.348	7.0	20.3
4 21	12 21.77	+12 30.7	2.460	3.343	9.6	20.4
5 1	12 16.86	+12 38.1	2.535	3.337	12.0	20.6

384757 2011 SR_{14} 3 30.4 270.°89 1.°5/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.59	−12 8.3	2.312	3.078	13.5	20.9
3 2	12 53.46	−11 41.8	2.209	3.070	10.8	20.7
3 12	12 48.49	−10 59.0	2.128	3.061	7.7	20.5
3 22	12 42.12	−10 1.6	2.073	3.052	4.2	20.3
4 1	12 35.02	− 8 53.5	2.046	3.043	1.5	20.1
4 11	12 27.99	− 7 40.6	2.048	3.034	4.1	20.2
4 21	12 21.77	− 6 29.0	2.078	3.025	7.7	20.4
5 1	12 17.02	− 5 24.7	2.134	3.016	11.0	20.6

360272 2000 SE_{254} 3 30.4 261.°94 2.°2/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.27	− 1 26.7	1.750	2.557	15.5	21.4
3 2	12 59.46	− 0 45.6	1.644	2.535	12.2	21.1
3 12	12 53.02	+ 0 9.0	1.560	2.512	8.2	20.8
3 22	12 44.43	+ 1 12.4	1.501	2.488	3.9	20.5
4 1	12 34.57	+ 2 17.6	1.470	2.464	2.9	20.4
4 11	12 24.62	+ 3 16.3	1.466	2.440	7.2	20.6
4 21	12 15.74	+ 4 1.4	1.489	2.415	11.8	20.8
5 1	12 8.92	+ 4 28.0	1.533	2.389	16.0	21.0

129294 2005 SX_{105} 3 30.4 160.°41 1.°5/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.87	− 3 47.1	2.523	3.309	11.9	20.3
3 2	12 55.65	− 2 36.2	2.437	3.317	9.2	20.2
3 12	12 49.75	− 1 13.8	2.376	3.324	6.1	20.0
3 22	12 42.63	+ 0 15.3	2.344	3.331	2.8	19.8
4 1	12 34.96	+ 1 45.0	2.342	3.337	2.0	19.7
4 11	12 27.45	+ 3 8.9	2.371	3.342	5.1	19.9
4 21	12 20.79	+ 4 21.7	2.430	3.346	8.3	20.1
5 1	12 15.51	+ 5 19.6	2.513	3.350	11.1	20.3

114789 2003 MT_{10} 3 30.4 342.°14 0.°6/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 51.58	− 9 40.7	1.344	2.165	18.6	18.2
3 2	12 50.84	− 9 4.7	1.256	2.151	14.8	17.9
3 12	12 47.42	− 8 3.5	1.186	2.138	10.3	17.6
3 22	12 41.85	− 6 40.6	1.139	2.126	5.1	17.2
4 1	12 35.08	− 5 3.4	1.116	2.115	0.9	16.9
4 11	12 28.41	− 3 23.6	1.118	2.106	6.3	17.2
4 21	12 23.04	− 1 52.8	1.144	2.098	11.7	17.5
5 1	12 19.94	− 0 40.7	1.191	2.092	16.4	17.8

8934 Nishimurajun 3 30.4 119.°42 4.°9/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.36	+10 4.4	2.505	3.321	11.1	18.0
3 2	12 54.48	+11 13.3	2.438	3.331	8.7	17.8
3 12	12 48.95	+12 23.2	2.396	3.340	6.3	17.7
3 22	12 42.26	+13 28.2	2.382	3.349	4.9	17.6
4 1	12 35.05	+14 22.5	2.397	3.357	5.6	17.7
4 11	12 28.05	+15 1.5	2.439	3.366	7.6	17.8
4 21	12 21.92	+15 22.9	2.507	3.374	10.0	18.0
5 1	12 17.16	+15 26.1	2.598	3.382	12.3	18.2

87908 2000 SJ_{311} 3 30.4 83.°72 9.°6/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.24	−34 19.6	2.012	2.649	18.9	19.0
3 2	12 56.96	−34 54.0	1.925	2.659	16.9	18.8
3 12	12 51.16	−34 59.6	1.853	2.668	14.7	18.7
3 22	12 43.46	−34 32.5	1.801	2.678	12.3	18.6
4 1	12 34.80	−33 31.9	1.770	2.688	10.4	18.4
4 11	12 26.37	−32 1.3	1.764	2.697	9.6	18.4
4 21	12 19.22	−30 8.7	1.783	2.707	10.3	18.5
5 1	12 14.16	−28 4.7	1.827	2.716	12.2	18.6

215477 2002 RK_{163} 3 30.4 297.°83 1.°0/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.69	− 4 56.4	1.530	2.345	17.0	20.9
3 2	12 56.19	− 4 21.8	1.431	2.325	13.4	20.6
3 12	12 50.97	− 3 29.2	1.352	2.305	9.1	20.3
3 22	12 43.53	− 2 22.6	1.297	2.285	4.2	19.9
4 1	12 34.78	− 1 9.1	1.268	2.266	1.7	19.7
4 11	12 25.98	+ 0 2.0	1.265	2.246	6.9	20.0
4 21	12 18.38	+ 1 1.7	1.286	2.227	12.0	20.2
5 1	12 12.99	+ 1 43.3	1.329	2.208	16.5	20.4

217108 2001 XL_{185} 3 30.4 178.°67 0.°9/31.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.51	− 9 56.7	2.665	3.421	12.1	21.7
3 2	12 56.91	− 9 31.7	2.567	3.424	9.6	21.6
3 12	12 50.61	− 8 53.9	2.492	3.426	6.7	21.4
3 22	12 43.07	− 8 5.6	2.445	3.426	3.4	21.1
4 1	12 34.90	− 7 10.0	2.428	3.426	0.9	20.9
4 11	12 26.85	− 6 12.0	2.442	3.426	3.8	21.2
4 21	12 19.59	− 5 16.5	2.485	3.424	7.0	21.4
5 1	12 13.70	− 4 27.8	2.555	3.422	10.0	21.6

175586 Tsou 3 30.4 150.°44 1.°7/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.20	− 0 35.7	2.410	3.211	12.0	20.6
3 2	12 54.49	+ 0 0.1	2.324	3.212	9.2	20.4
3 12	12 49.06	+ 0 43.7	2.262	3.213	6.1	20.2
3 22	12 42.36	+ 1 31.2	2.227	3.214	2.9	20.0
4 1	12 35.05	+ 2 18.0	2.221	3.215	2.2	19.9
4 11	12 27.89	+ 2 59.0	2.244	3.216	5.2	20.1
4 21	12 21.56	+ 3 30.2	2.294	3.217	8.4	20.3
5 1	12 16.64	+ 3 49.0	2.370	3.217	11.3	20.5

105548 2000 RF_{45} 3 30.4 176.°93 1.°0/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.53	− 8 37.4	2.894	3.653	11.2	19.7
3 2	12 56.02	− 8 35.6	2.796	3.655	8.9	19.5
3 12	12 49.96	− 8 24.1	2.722	3.656	6.2	19.4
3 22	12 42.76	− 8 4.3	2.676	3.657	3.2	19.2
4 1	12 34.98	− 7 38.6	2.659	3.657	1.0	19.0
4 11	12 27.31	− 7 10.5	2.673	3.657	3.5	19.2
4 21	12 20.34	− 6 43.3	2.716	3.657	6.4	19.4
5 1	12 14.60	− 6 20.4	2.786	3.656	9.1	19.6

344768 2003 WT_{94} 3 30.4 173.°41 0.°9/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.40	− 3 8.6	2.790	3.571	11.0	22.7
3 2	12 55.93	− 2 37.1	2.698	3.574	8.5	22.5
3 12	12 49.89	− 1 57.3	2.631	3.577	5.7	22.3
3 22	12 42.72	− 1 12.4	2.592	3.579	2.6	22.1
4 1	12 35.00	− 0 26.0	2.584	3.581	1.2	22.0
4 11	12 27.40	+ 0 17.3	2.606	3.582	4.3	22.2
4 21	12 20.56	+ 0 53.9	2.657	3.582	7.3	22.4
5 1	12 14.98	+ 1 20.9	2.734	3.582	10.0	22.6

52368 1993 FQ_{44} 3 30.4 61.°38 0.°7/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.27	− 9 38.9	2.072	2.854	14.3	18.9
3 2	12 53.99	− 9 1.4	1.997	2.870	11.3	18.7
3 12	12 48.80	− 8 8.1	1.945	2.886	7.7	18.5
3 22	12 42.25	− 7 2.6	1.918	2.902	3.8	18.3
4 1	12 35.09	− 5 50.1	1.920	2.919	0.7	18.1
4 11	12 28.19	− 4 37.3	1.950	2.935	4.4	18.4
4 21	12 22.31	− 3 30.7	2.008	2.951	8.1	18.6
5 1	12 18.02	− 2 35.4	2.090	2.968	11.4	18.9

468924 2014 WT_{389} 3 30.4 42.°46 2.°1/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.75	− 3 9.0	1.703	2.520	15.5	20.7
3 2	12 54.03	− 2 0.6	1.631	2.528	11.9	20.5
3 12	12 49.06	− 0 37.5	1.581	2.537	7.8	20.3
3 22	12 42.44	+ 0 53.8	1.557	2.546	3.6	20.0
4 1	12 35.05	+ 2 24.8	1.560	2.555	2.8	20.0
4 11	12 27.95	+ 3 46.3	1.591	2.564	6.7	20.3
4 21	12 22.03	+ 4 51.5	1.647	2.574	10.8	20.5
5 1	12 17.98	+ 5 36.1	1.725	2.584	14.3	20.8

109293 2001 QJ_{124} 3 30.4 204.°84 1.°1/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.99	− 3 23.7	2.309	3.096	12.8	21.3
3 2	12 57.59	− 2 47.6	2.212	3.091	10.0	21.1
3 12	12 51.25	− 2 0.7	2.138	3.085	6.7	20.9
3 22	12 43.43	− 1 6.6	2.091	3.078	3.0	20.7
4 1	12 34.85	− 0 10.4	2.074	3.071	1.5	20.5
4 11	12 26.37	+ 0 42.3	2.087	3.063	5.1	20.8
4 21	12 18.77	+ 1 26.6	2.127	3.054	8.7	21.0
5 1	12 12.72	+ 1 58.5	2.193	3.045	12.0	21.1

503115 2015 FJ_{327} 3 30.4 3.°86 4.°1/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.10	+ 3 14.4	1.699	2.531	14.8	20.6
3 2	12 53.59	+ 4 18.1	1.625	2.530	11.4	20.4
3 12	12 48.81	+ 5 30.5	1.574	2.531	7.7	20.2
3 22	12 42.35	+ 6 44.3	1.548	2.532	4.6	20.0
4 1	12 35.07	+ 7 51.1	1.549	2.534	4.9	20.0
4 11	12 28.03	+ 8 43.3	1.576	2.536	8.2	20.2
4 21	12 22.14	+ 9 15.8	1.627	2.539	11.9	20.4
5 1	12 18.13	+ 9 26.4	1.699	2.543	15.2	20.6

167240 2003 UU_{81} 3 30.4 86.°38 0.°3/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.19	− 6 39.4	1.620	2.418	17.0	21.2
3 2	12 59.05	− 6 4.3	1.556	2.439	13.3	21.0
3 12	12 52.40	− 5 12.8	1.512	2.460	8.9	20.8
3 22	12 43.96	− 4 9.6	1.493	2.480	4.1	20.5
4 1	12 34.78	− 3 1.7	1.501	2.500	0.9	20.3
4 11	12 26.02	− 1 57.2	1.537	2.520	5.7	20.7
4 21	12 18.69	− 1 3.0	1.600	2.540	10.1	21.0
5 1	12 13.51	− 0 24.1	1.685	2.559	13.9	21.3

409393 2005 ER_{97} 3 30.4 43.°64 3.°5/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.54	−13 21.7	1.300	2.094	20.6	20.6
3 2	12 58.53	−13 36.5	1.236	2.109	16.7	20.4
3 12	12 52.47	−13 27.5	1.189	2.124	12.1	20.1
3 22	12 44.13	−12 55.5	1.164	2.140	7.2	19.9
4 1	12 34.74	−12 4.9	1.163	2.157	3.6	19.7
4 11	12 25.77	−11 4.2	1.187	2.174	6.1	19.9
4 21	12 18.51	−10 2.9	1.235	2.192	10.7	20.2
5 1	12 13.83	− 9 10.0	1.305	2.209	15.0	20.5

212809 2007 TW_{379} 3 30.4 0.°35 3.°7/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.74	−13 37.7	1.306	2.103	20.3	20.2
3 2	12 56.58	−13 53.1	1.226	2.101	16.7	19.9
3 12	12 51.37	−13 44.5	1.164	2.100	12.2	19.7
3 22	12 43.73	−13 11.6	1.123	2.100	7.4	19.4
4 1	12 34.79	−12 18.1	1.106	2.101	3.8	19.2
4 11	12 26.04	−11 12.2	1.114	2.102	6.3	19.3
4 21	12 18.84	−10 4.1	1.145	2.104	11.1	19.6
5 1	12 14.20	− 9 3.8	1.197	2.106	15.7	19.9

310522 2000 YS_{66} 3 30.4 127.°48 3.°8/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.30	+ 4 14.9	2.157	2.960	13.1	21.2
3 2	12 59.99	+ 5 22.0	2.093	2.982	10.1	21.0
3 12	12 52.69	+ 6 34.3	2.054	3.003	6.8	20.9
3 22	12 44.01	+ 7 45.6	2.043	3.023	4.2	20.7
4 1	12 34.78	+ 8 49.1	2.061	3.042	4.4	20.8
4 11	12 25.89	+ 9 39.1	2.109	3.060	7.1	21.0
4 21	12 18.15	+10 12.0	2.184	3.077	10.2	21.2
5 1	12 12.14	+10 26.5	2.282	3.093	12.9	21.4

300070 2006 UA_{206} 3 30.4 357.°36 1.°4/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.24	−11 50.0	2.262	3.031	13.6	20.3
3 2	12 53.19	−11 21.6	2.168	3.031	10.9	20.1
3 12	12 48.30	−10 36.8	2.096	3.030	7.7	19.9
3 22	12 42.06	− 9 38.0	2.050	3.030	4.2	19.6
4 1	12 35.13	− 8 29.3	2.033	3.030	1.4	19.4
4 11	12 28.34	− 7 16.7	2.044	3.030	4.1	19.6
4 21	12 22.41	− 6 6.4	2.083	3.030	7.7	19.8
5 1	12 17.96	− 5 4.3	2.148	3.030	10.9	20.1

385132 2013 RO_{31} 3 30.4 261.°86 0.°5/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.06	− 5 30.0	1.973	2.755	14.9	20.5
3 2	13 1.32	− 5 41.7	1.865	2.738	11.9	20.3
3 12	12 54.12	− 5 43.0	1.779	2.722	8.2	20.0
3 22	12 44.92	− 5 35.4	1.719	2.704	4.0	19.7
4 1	12 34.56	− 5 21.8	1.688	2.687	0.8	19.4
4 11	12 24.15	− 5 6.6	1.685	2.669	5.2	19.7
4 21	12 14.74	− 4 54.1	1.710	2.651	9.5	19.9
5 1	12 7.24	− 4 48.7	1.760	2.632	13.4	20.1

317412 2002 PC_{176} 3 30.4 186.°52 2.°2/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.86	−13 44.7	2.384	3.136	13.5	21.3
3 2	12 55.15	−13 29.7	2.286	3.136	10.9	21.2
3 12	12 49.59	−12 58.6	2.210	3.135	7.9	21.0
3 22	12 42.65	−12 12.9	2.161	3.134	4.7	20.8
4 1	12 35.02	−11 15.7	2.139	3.133	2.2	20.6
4 11	12 27.50	−10 12.1	2.147	3.132	4.1	20.7
4 21	12 20.84	− 9 7.9	2.183	3.130	7.4	20.9
5 1	12 15.65	− 8 8.8	2.245	3.128	10.5	21.1

100969 1998 QV_{21} 3 30.4 187.°35 0.°2/30.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.15	− 7 32.5	2.161	2.939	13.9	21.0
3 2	12 57.84	− 7 2.6	2.067	2.938	11.0	20.8
3 12	12 51.48	− 6 18.7	1.996	2.938	7.5	20.6
3 22	12 43.56	− 5 23.7	1.951	2.936	3.6	20.3
4 1	12 34.85	− 4 22.3	1.935	2.934	0.6	20.1
4 11	12 26.27	− 3 20.7	1.948	2.931	4.7	20.4
4 21	12 18.67	− 2 24.7	1.990	2.927	8.6	20.6
5 1	12 12.73	− 1 39.5	2.057	2.923	12.0	20.8

232967 2005 EY_{70} 3 30.4 256.°77 0.°6/31.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.71	− 7 13.6	2.168	2.950	13.8	21.3
3 2	12 56.77	− 7 8.5	2.072	2.945	10.9	21.1
3 12	12 50.79	− 6 51.3	1.998	2.939	7.5	20.9
3 22	12 43.25	− 6 24.1	1.950	2.934	3.7	20.6
4 1	12 34.91	− 5 50.4	1.930	2.929	0.8	20.4
4 11	12 26.65	− 5 14.9	1.939	2.924	4.5	20.7
4 21	12 19.32	− 4 42.6	1.976	2.918	8.3	20.9
5 1	12 13.62	− 4 17.8	2.038	2.913	11.7	21.1

169938 2002 TQ_{30} 3 30.4 177.°31 0.°4/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.70	− 4 14.3	2.841	3.617	11.0	21.6
3 2	12 56.15	− 3 53.8	2.747	3.619	8.6	21.5
3 12	12 50.05	− 3 25.0	2.677	3.621	5.7	21.3
3 22	12 42.81	− 2 50.4	2.635	3.622	2.6	21.1
4 1	12 35.01	− 2 13.5	2.624	3.622	0.8	20.9
4 11	12 27.33	− 1 38.0	2.643	3.622	4.0	21.2
4 21	12 20.38	− 1 7.7	2.691	3.621	7.0	21.4
5 1	12 14.68	− 0 45.2	2.766	3.620	9.7	21.5

187980 2001 QP_{288} 3 30.4 60.°11 6.°2/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.21	−23 7.4	1.666	2.397	19.2	19.4
3 2	12 56.24	−23 13.9	1.590	2.411	16.3	19.2
3 12	12 50.71	−22 52.2	1.531	2.426	12.9	19.0
3 22	12 43.26	−22 1.5	1.494	2.441	9.3	18.8
4 1	12 34.92	−20 44.3	1.481	2.456	6.6	18.7
4 11	12 26.90	−19 8.1	1.495	2.472	6.6	18.7
4 21	12 20.25	−17 23.0	1.534	2.487	9.4	18.9
5 1	12 15.75	−15 39.9	1.598	2.503	12.7	19.2

248382 2005 SY_6 3 30.4 230.°98 1.°0/31.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.08	−10 35.1	2.904	3.662	11.2	21.9
3 2	12 53.44	−10 10.9	2.795	3.652	8.9	21.7
3 12	12 48.30	− 9 34.4	2.709	3.641	6.3	21.6
3 22	12 42.02	− 8 47.5	2.650	3.630	3.3	21.3
4 1	12 35.16	− 7 53.2	2.621	3.619	1.0	21.1
4 11	12 28.34	− 6 55.7	2.623	3.607	3.5	21.3
4 21	12 22.16	− 5 59.6	2.653	3.595	6.5	21.5
5 1	12 17.14	− 5 9.0	2.710	3.583	9.3	21.7

110718 2001 TA_{231} 3 30.4 217.°36 3.°8/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.88	+ 5 14.4	2.354	3.168	11.8	19.7
3 2	12 54.33	+ 6 17.1	2.270	3.165	9.1	19.5
3 12	12 48.99	+ 7 25.0	2.212	3.163	6.3	19.3
3 22	12 42.36	+ 8 32.5	2.181	3.160	4.0	19.2
4 1	12 35.10	+ 9 33.5	2.178	3.157	4.5	19.2
4 11	12 27.97	+10 22.3	2.204	3.153	7.0	19.3
4 21	12 21.70	+10 55.3	2.257	3.150	9.9	19.5
5 1	12 16.85	+11 10.6	2.332	3.146	12.6	19.7

416123 2002 QM_{69} 3 30.4 180.°51 1.°6/28.7 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.65	− 2 14.4	2.269	3.059	13.0	22.8
3 2	12 58.07	− 1 29.9	2.179	3.061	10.1	22.6
3 12	12 51.55	− 0 35.1	2.113	3.062	6.7	22.4
3 22	12 43.57	+ 0 25.8	2.075	3.062	3.1	22.1
4 1	12 34.88	+ 1 27.1	2.066	3.061	2.0	22.0
4 11	12 26.34	+ 2 23.0	2.087	3.060	5.5	22.3
4 21	12 18.74	+ 3 8.6	2.136	3.058	9.0	22.5
5 1	12 12.74	+ 3 40.3	2.210	3.055	12.1	22.7

457642 2009 BZ_{181} 3 30.4 0.°02 0.°7/29.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.86	− 5 21.0	1.271	2.099	19.0	21.4
3 2	12 55.82	− 4 55.2	1.196	2.097	15.0	21.1
3 12	12 50.79	− 4 10.4	1.141	2.096	10.1	20.8
3 22	12 43.44	− 3 11.3	1.107	2.096	4.6	20.5
4 1	12 34.89	− 2 5.9	1.098	2.096	1.4	20.3
4 11	12 26.59	− 1 4.3	1.113	2.097	7.0	20.7
4 21	12 19.83	− 0 15.3	1.151	2.099	12.3	21.0
5 1	12 15.58	+ 0 14.9	1.211	2.102	16.9	21.2

138935 2001 BH_{12} 3 30.4 17.°26 2.°6/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.52	−12 40.7	1.721	2.501	16.8	20.0
3 2	12 55.58	−12 40.3	1.637	2.504	13.6	19.7
3 12	12 50.24	−12 20.6	1.573	2.507	9.8	19.5
3 22	12 43.07	−11 42.9	1.533	2.510	5.7	19.3
4 1	12 34.97	−10 50.9	1.519	2.514	2.6	19.1
4 11	12 27.06	− 9 51.4	1.532	2.518	5.1	19.3
4 21	12 20.35	− 8 51.9	1.570	2.523	9.2	19.5
5 1	12 15.62	− 7 59.3	1.632	2.528	13.0	19.7

489400 2006 VE_7 3 30.4 231.°06 0.°8/29.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.87	− 3 23.9	2.877	3.659	10.7	22.9
3 2	12 54.82	− 2 55.3	2.770	3.647	8.3	22.7
3 12	12 49.22	− 2 18.3	2.688	3.634	5.6	22.5
3 22	12 42.46	− 1 35.6	2.634	3.621	2.5	22.3
4 1	12 35.09	− 0 50.8	2.610	3.607	1.1	22.1
4 11	12 27.76	− 0 8.1	2.616	3.593	4.2	22.3
4 21	12 21.08	+ 0 28.6	2.651	3.578	7.2	22.5
5 1	12 15.59	+ 0 56.3	2.712	3.563	10.0	22.7

105864 2000 SC_{171} 3 30.4 217.°78 1.°2/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.14	− 0 45.1	2.979	3.764	10.3	20.6
3 2	12 55.70	− 0 23.2	2.876	3.756	8.0	20.4
3 12	12 49.76	+ 0 4.8	2.799	3.747	5.3	20.2
3 22	12 42.69	+ 0 36.1	2.751	3.737	2.5	20.0
4 1	12 35.06	+ 1 7.5	2.732	3.727	1.6	19.9
4 11	12 27.48	+ 1 35.2	2.744	3.717	4.3	20.1
4 21	12 20.56	+ 1 56.3	2.785	3.707	7.2	20.3
5 1	12 14.81	+ 2 8.4	2.852	3.695	9.7	20.5

27645 2074 T_{-2} 3 30.4 200.°90 0.°0/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.37	− 6 17.7	2.808	3.582	11.1	21.2
3 2	12 54.43	− 5 52.3	2.708	3.579	8.7	21.0
3 12	12 48.94	− 5 16.9	2.633	3.575	5.9	20.8
3 22	12 42.32	− 4 34.0	2.585	3.571	2.8	20.6
4 1	12 35.13	− 3 47.1	2.568	3.567	0.5	20.4
4 11	12 28.02	− 3 0.5	2.580	3.562	3.8	20.7
4 21	12 21.60	− 2 18.1	2.621	3.556	6.9	20.9
5 1	12 16.40	− 1 43.5	2.689	3.551	9.7	21.0

161845 2007 AK_{18} 3 30.4 29.°82 7.°5/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.96	−24 58.3	1.696	2.415	19.3	19.7
3 2	12 56.23	−25 28.9	1.610	2.418	16.7	19.5
3 12	12 50.85	−25 32.1	1.541	2.423	13.6	19.3
3 22	12 43.42	−25 5.4	1.492	2.427	10.4	19.2
4 1	12 34.92	−24 9.1	1.467	2.432	8.0	19.0
4 11	12 26.59	−22 48.6	1.468	2.436	7.8	19.0
4 21	12 19.57	−21 12.9	1.493	2.442	10.0	19.2
5 1	12 14.75	−19 33.0	1.542	2.447	13.1	19.3

499812 2011 CD_{108} 3 30.4 339.°61 0.°6/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.87	− 7 25.1	1.706	2.503	16.3	21.7
3 2	12 56.67	− 7 16.7	1.617	2.500	12.9	21.5
3 12	12 51.02	− 6 52.9	1.550	2.496	8.9	21.2
3 22	12 43.47	− 6 16.1	1.508	2.493	4.4	21.0
4 1	12 34.92	− 5 31.1	1.491	2.490	0.8	20.7
4 11	12 26.51	− 4 44.5	1.502	2.488	5.4	21.0
4 21	12 19.28	− 4 2.9	1.538	2.485	9.9	21.3
5 1	12 14.07	− 3 31.9	1.598	2.483	13.9	21.5

138710 2000 SE_{103} 3 30.4 230.°64 0.°1/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.57	− 7 1.5	2.767	3.542	11.3	20.7
3 2	12 53.89	− 6 30.1	2.661	3.531	8.9	20.5
3 12	12 48.64	− 5 47.6	2.579	3.521	6.0	20.3
3 22	12 42.22	− 4 56.5	2.525	3.510	2.9	20.0
4 1	12 35.18	− 4 0.5	2.500	3.499	0.5	19.8
4 11	12 28.19	− 3 4.3	2.506	3.488	3.9	20.1
4 21	12 21.87	− 2 12.4	2.540	3.476	7.1	20.3
5 1	12 16.78	− 1 28.7	2.601	3.464	9.9	20.4

36227 1999 UR_5 3 30.4 267.°00 2.°9/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.66	−16 44.6	2.624	3.359	12.8	18.5
3 2	12 53.39	−16 33.0	2.510	3.345	10.6	18.3
3 12	12 48.43	−16 4.9	2.419	3.331	7.9	18.1
3 22	12 42.16	−15 21.0	2.353	3.317	5.1	17.9
4 1	12 35.19	−14 23.5	2.314	3.303	3.0	17.7
4 11	12 28.24	−13 16.7	2.306	3.289	4.0	17.8
4 21	12 22.01	−12 6.2	2.325	3.274	6.9	17.9
5 1	12 17.08	−10 57.7	2.372	3.260	9.8	18.1

310671 2002 FJ_6 3 30.4 43.°79 17.°3/24.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 24.35	+28 12.2	0.922	1.749	24.7	20.0
3 2	13 17.66	+29 10.5	0.881	1.756	21.6	19.8
3 12	13 5.86	+29 42.9	0.854	1.763	18.8	19.7
3 22	12 50.39	+29 31.4	0.846	1.771	17.3	19.6
4 1	12 33.70	+28 24.3	0.857	1.780	17.8	19.6
4 11	12 18.54	+26 22.3	0.888	1.789	20.0	19.8
4 21	12 6.88	+23 37.2	0.937	1.799	23.0	20.0
5 1	11 59.65	+20 24.5	1.003	1.808	26.0	20.3

123348 2000 VY_{60} 3 30.4 243.°60 0.°9/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.39	− 3 8.1	2.653	3.441	11.3	20.6
3 2	12 54.59	− 2 39.6	2.550	3.431	8.8	20.4
3 12	12 49.14	− 2 2.4	2.472	3.419	5.9	20.2
3 22	12 42.47	− 1 19.2	2.421	3.408	2.7	20.0
4 1	12 35.14	− 0 34.2	2.399	3.397	1.3	19.8
4 11	12 27.87	+ 0 8.3	2.408	3.385	4.5	20.0
4 21	12 21.31	+ 0 44.1	2.444	3.373	7.7	20.2
5 1	12 16.03	+ 1 10.0	2.506	3.360	10.6	20.4

386202 2007 VR_{287} 3 30.4 60.°22 4.°7/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.53	−20 14.5	2.238	2.961	15.0	21.1
3 2	12 55.11	−20 26.0	2.145	2.965	12.7	21.0
3 12	12 49.69	−20 18.1	2.071	2.969	9.9	20.8
3 22	12 42.78	−19 50.3	2.021	2.972	7.0	20.6
4 1	12 35.09	−19 4.4	1.998	2.976	4.9	20.5
4 11	12 27.53	−18 4.6	2.003	2.980	5.3	20.5
4 21	12 20.92	−16 57.2	2.035	2.983	7.7	20.7
5 1	12 15.92	−15 48.9	2.092	2.987	10.6	20.9

458239 2010 TY_{29} 3 30.4 1.°74 2.°1/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.14	−11 18.9	1.277	2.089	19.9	20.3
3 2	12 54.53	−11 11.0	1.200	2.088	16.0	20.1
3 12	12 49.97	−10 38.7	1.141	2.087	11.4	19.8
3 22	12 43.10	− 9 44.1	1.104	2.087	6.2	19.5
4 1	12 35.02	− 8 33.1	1.090	2.088	2.1	19.2
4 11	12 27.17	− 7 15.7	1.101	2.090	6.1	19.5
4 21	12 20.82	− 6 2.6	1.135	2.093	11.3	19.8
5 1	12 16.95	− 5 3.0	1.191	2.097	16.0	20.1

109414 2001 QE_{187} 3 30.4 188.°23 6.°0/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.83	−25 22.2	2.443	3.119	15.0	20.6
3 2	12 58.42	−25 42.2	2.338	3.119	13.0	20.5
3 12	12 51.93	−25 41.9	2.253	3.117	10.6	20.3
3 22	12 43.84	−25 19.4	2.191	3.115	8.2	20.1
4 1	12 34.90	−24 35.0	2.155	3.113	6.3	20.0
4 11	12 26.02	−23 32.1	2.148	3.109	6.3	20.0
4 21	12 18.07	−22 16.5	2.168	3.105	8.0	20.1
5 1	12 11.77	−20 55.5	2.215	3.101	10.5	20.3

42300 2001 UU_{140} 3 30.4 41.°60 0.°5/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.69	− 4 32.5	2.113	2.909	13.6	19.5
3 2	12 55.15	− 4 9.9	2.030	2.914	10.6	19.3
3 12	12 49.65	− 3 36.1	1.971	2.919	7.1	19.1
3 22	12 42.73	− 2 54.6	1.937	2.925	3.2	18.9
4 1	12 35.12	− 2 10.0	1.932	2.930	1.0	18.7
4 11	12 27.71	− 1 27.8	1.955	2.936	4.9	19.0
4 21	12 21.26	− 0 52.9	2.005	2.942	8.6	19.2
5 1	12 16.41	− 0 28.8	2.080	2.948	11.8	19.5

332641 2008 UK_{91} 3 30.4 282.°47 5.°0/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.37	−21 38.6	2.114	2.833	16.0	21.0
3 2	12 56.25	−21 32.1	1.983	2.800	13.7	20.7
3 12	12 50.82	−21 1.7	1.871	2.767	10.8	20.5
3 22	12 43.48	−20 5.5	1.782	2.734	7.7	20.2
4 1	12 34.95	−18 44.2	1.720	2.700	5.3	20.0
4 11	12 26.22	−17 2.9	1.686	2.665	5.8	19.9
4 21	12 18.32	−15 9.5	1.679	2.630	8.9	20.0
5 1	12 12.17	−13 14.2	1.699	2.594	12.6	20.2

127059 2002 GJ_{50} 3 30.4 36.°86 5.°2/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.59	−17 51.6	1.738	2.488	17.8	19.7
3 2	12 58.07	−18 27.8	1.655	2.494	14.9	19.5
3 12	12 51.99	−18 43.3	1.591	2.501	11.5	19.3
3 22	12 43.94	−18 36.8	1.550	2.509	7.9	19.1
4 1	12 34.89	−18 9.5	1.534	2.516	5.4	19.0
4 11	12 26.01	−17 26.1	1.545	2.524	6.2	19.0
4 21	12 18.40	−16 33.7	1.581	2.532	9.3	19.2
5 1	12 12.91	−15 40.2	1.641	2.541	12.8	19.5

432007 2008 UZ_{342} 3 30.4 234.°07 0.°4/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.21	− 6 23.6	2.437	3.209	12.7	21.8
3 2	12 58.57	− 6 17.9	2.328	3.196	10.1	21.6
3 12	12 51.97	− 6 1.8	2.243	3.182	6.9	21.4
3 22	12 43.87	− 5 37.2	2.184	3.168	3.4	21.1
4 1	12 34.93	− 5 7.1	2.155	3.154	0.6	20.9
4 11	12 25.99	− 4 35.7	2.155	3.138	4.3	21.1
4 21	12 17.86	− 4 7.4	2.185	3.122	7.9	21.3
5 1	12 11.22	− 3 45.9	2.240	3.106	11.2	21.5

383754 2007 VF_{148} 3 30.4 52.°04 2.°5/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.37	−14 40.0	2.020	2.782	15.3	20.6
3 2	12 54.19	−14 18.5	1.946	2.801	12.3	20.4
3 12	12 49.03	−13 38.0	1.893	2.819	8.9	20.2
3 22	12 42.44	−12 40.6	1.864	2.838	5.3	20.1
4 1	12 35.22	−11 30.7	1.863	2.857	2.5	19.9
4 11	12 28.28	−10 14.9	1.890	2.876	4.4	20.1
4 21	12 22.40	− 9 0.3	1.945	2.896	7.8	20.3
5 1	12 18.19	− 7 53.3	2.024	2.915	11.1	20.5

154291 2002 TT_{249} 3 30.4 179.°22 1.°2/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.80	− 3 16.4	1.528	2.334	17.4	20.4
3 2	13 1.56	− 2 54.2	1.446	2.335	13.7	20.1
3 12	12 54.46	− 2 18.1	1.385	2.336	9.2	19.9
3 22	12 45.15	− 1 32.6	1.348	2.336	4.2	19.6
4 1	12 34.70	− 0 44.0	1.339	2.336	1.8	19.4
4 11	12 24.48	− 0 0.3	1.356	2.336	6.7	19.7
4 21	12 15.71	+ 0 32.0	1.398	2.335	11.6	20.0
5 1	12 9.32	+ 0 48.4	1.463	2.334	15.8	20.2

28126 Nydegger 3 30.4 87.°85 3.°2/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.18	−13 28.2	1.436	2.217	19.6	18.8
3 2	13 0.41	−13 33.7	1.364	2.230	15.9	18.6
3 12	12 53.71	−13 16.3	1.310	2.243	11.5	18.3
3 22	12 44.78	−12 37.1	1.279	2.255	6.7	18.1
4 1	12 34.79	−11 40.3	1.273	2.268	3.2	17.9
4 11	12 25.15	−10 34.2	1.294	2.281	5.8	18.1
4 21	12 17.12	− 9 27.9	1.340	2.293	10.4	18.4
5 1	12 11.58	− 8 30.2	1.408	2.305	14.6	18.7

375783 2009 SC_{290} 3 30.4 88.°78 4.°4/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.71	+ 7 15.4	1.880	2.692	14.4	20.6
3 2	13 1.46	+ 7 44.4	1.814	2.706	11.2	20.4
3 12	12 53.89	+ 8 15.3	1.771	2.720	7.7	20.3
3 22	12 44.70	+ 8 42.4	1.755	2.734	4.9	20.1
4 1	12 34.82	+ 8 59.9	1.767	2.748	4.9	20.1
4 11	12 25.34	+ 9 3.4	1.806	2.761	7.8	20.3
4 21	12 17.18	+ 8 50.9	1.872	2.775	11.1	20.6
5 1	12 11.02	+ 8 22.3	1.960	2.788	14.1	20.8

106166 2000 TN_{66} 3 30.4 325.°78 0.°2/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.03	− 6 48.6	2.303	3.087	13.0	20.3
3 2	12 54.55	− 6 30.0	2.210	3.085	10.2	20.1
3 12	12 49.24	− 5 59.5	2.140	3.084	7.0	19.9
3 22	12 42.57	− 5 19.7	2.096	3.082	3.3	19.7
4 1	12 35.20	− 4 34.6	2.081	3.080	0.6	19.4
4 11	12 27.95	− 3 49.3	2.095	3.078	4.3	19.7
4 21	12 21.56	− 3 8.5	2.136	3.077	7.9	19.9
5 1	12 16.63	− 2 36.4	2.202	3.075	11.1	20.1

286370 2001 XS_{195} 3 30.4 50.°90 5.°9/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.63	+ 4 39.7	1.270	2.114	18.1	19.5
3 2	12 57.74	+ 6 5.0	1.216	2.126	14.0	19.3
3 12	12 51.89	+ 7 39.1	1.182	2.140	9.6	19.0
3 22	12 43.89	+ 9 11.2	1.172	2.153	6.3	18.9
4 1	12 34.98	+10 29.2	1.187	2.167	6.9	19.0
4 11	12 26.57	+11 23.4	1.226	2.181	10.6	19.2
4 21	12 19.85	+11 49.4	1.287	2.196	14.7	19.5
5 1	12 15.61	+11 46.6	1.367	2.210	18.3	19.7

288821 2004 RF_{182} 3 30.4 220.°15 2.°5/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.36	−11 31.0	1.732	2.503	17.1	21.0
3 2	13 1.12	−11 41.5	1.635	2.497	13.9	20.7
3 12	12 54.16	−11 34.5	1.558	2.490	10.0	20.5
3 22	12 45.05	−11 10.6	1.506	2.483	5.7	20.2
4 1	12 34.73	−10 32.4	1.480	2.475	2.5	20.0
4 11	12 24.44	− 9 45.7	1.482	2.467	5.4	20.2
4 21	12 15.37	− 8 57.6	1.510	2.458	9.9	20.4
5 1	12 8.48	− 8 15.1	1.562	2.449	14.0	20.6

248620 2006 ET_{17} 3 30.4 295.°16 0.°8/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.55	− 5 32.2	1.450	2.265	17.8	21.4
3 2	12 57.18	− 5 1.2	1.345	2.239	14.1	21.1
3 12	12 51.91	− 4 10.5	1.260	2.213	9.7	20.8
3 22	12 44.16	− 3 3.7	1.199	2.187	4.5	20.4
4 1	12 34.88	− 1 47.5	1.163	2.161	1.5	20.1
4 11	12 25.41	− 0 31.9	1.152	2.135	7.2	20.4
4 21	12 17.14	+ 0 33.1	1.165	2.109	12.7	20.6
5 1	12 11.24	+ 1 19.5	1.200	2.083	17.7	20.8

296123 2009 BC_{68} 3 30.4 98.°42 0.°1/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.64	− 6 15.8	2.267	3.053	13.1	21.4
3 2	12 54.99	− 5 49.2	2.182	3.059	10.2	21.2
3 12	12 49.50	− 5 10.7	2.120	3.065	6.9	21.0
3 22	12 42.67	− 4 23.4	2.085	3.071	3.2	20.8
4 1	12 35.21	− 3 31.7	2.078	3.077	0.6	20.5
4 11	12 27.91	− 2 41.1	2.100	3.082	4.5	20.8
4 21	12 21.52	− 1 56.5	2.150	3.088	8.0	21.1
5 1	12 16.63	− 1 21.9	2.225	3.094	11.2	21.3

375297 2008 PQ_{7} 3 30.4 305.°04 7.°6/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.34	−22 40.9	1.750	2.477	18.5	20.8
3 2	12 57.51	−23 34.1	1.643	2.459	16.1	20.6
3 12	12 51.97	−24 5.4	1.554	2.441	13.2	20.4
3 22	12 44.13	−24 10.9	1.485	2.424	10.1	20.1
4 1	12 34.89	−23 48.8	1.441	2.407	7.9	20.0
4 11	12 25.48	−23 1.8	1.421	2.390	8.0	19.9
4 21	12 17.17	−21 56.4	1.427	2.373	10.5	20.0
5 1	12 11.04	−20 42.1	1.455	2.357	13.9	20.2

103728 2000 CZ_{99} 3 30.4 204.°71 0.°4/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.99	− 7 14.9	2.294	3.073	13.2	20.7
3 2	12 56.10	− 6 56.3	2.199	3.071	10.4	20.5
3 12	12 50.30	− 6 25.5	2.127	3.069	7.1	20.3
3 22	12 43.08	− 5 44.8	2.081	3.066	3.4	20.1
4 1	12 35.13	− 4 58.2	2.064	3.063	0.6	19.8
4 11	12 27.29	− 4 10.8	2.076	3.059	4.4	20.1
4 21	12 20.32	− 3 27.7	2.116	3.056	8.0	20.3
5 1	12 14.87	− 2 53.2	2.181	3.052	11.3	20.5

374160 2004 VB_{4} 3 30.4 181.°31 1.°7/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.74	−11 39.6	2.245	3.006	13.9	21.2
3 2	12 56.75	−11 27.9	2.150	3.007	11.2	21.0
3 12	12 50.77	−11 1.0	2.077	3.007	8.0	20.8
3 22	12 43.31	−10 20.5	2.029	3.007	4.4	20.6
4 1	12 35.09	− 9 29.7	2.010	3.007	1.7	20.4
4 11	12 26.99	− 8 33.8	2.021	3.006	4.2	20.6
4 21	12 19.82	− 7 38.6	2.059	3.005	7.8	20.8
5 1	12 14.23	− 6 49.6	2.123	3.004	11.1	21.0

173501 2000 SU_{311} 3 30.4 218.°67 7.°4/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.57	−31 48.5	3.063	3.671	13.4	20.9
3 2	12 59.61	−32 45.9	2.948	3.663	12.0	20.8
3 12	12 52.71	−33 26.6	2.853	3.654	10.4	20.7
3 22	12 44.26	−33 47.6	2.779	3.645	8.9	20.5
4 1	12 34.90	−33 47.2	2.731	3.636	7.7	20.4
4 11	12 25.45	−33 26.2	2.710	3.626	7.5	20.4
4 21	12 16.69	−32 47.7	2.716	3.615	8.2	20.4
5 1	12 9.36	−31 56.6	2.747	3.604	9.7	20.5

467740 2009 RH_{24} 3 30.4 204.°17 1.°4/31.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.17	− 8 6.7	2.062	2.832	14.8	22.2
3 2	13 1.20	− 8 21.1	1.965	2.829	11.8	21.9
3 12	12 53.92	− 8 23.6	1.889	2.825	8.3	21.7
3 22	12 44.84	− 8 15.3	1.840	2.822	4.3	21.5
4 1	12 34.80	− 7 58.7	1.820	2.817	1.4	21.2
4 11	12 24.84	− 7 37.9	1.828	2.813	4.7	21.5
4 21	12 15.92	− 7 17.7	1.865	2.808	8.7	21.7
5 1	12 8.86	− 7 2.5	1.927	2.802	12.3	21.9

215410 2002 GN_{2} 3 30.4 46.°83 9.°8/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 29.89	+17 24.7	0.957	1.780	24.3	20.0
3 2	13 22.03	+17 6.8	0.896	1.785	19.9	19.7
3 12	13 9.04	+16 33.0	0.852	1.792	15.0	19.5
3 22	12 52.10	+15 31.7	0.829	1.798	10.8	19.2
4 1	12 33.49	+13 55.5	0.830	1.805	10.2	19.2
4 11	12 16.04	+11 46.1	0.856	1.813	13.7	19.4
4 21	12 1.96	+ 9 13.4	0.905	1.821	18.6	19.7
5 1	11 52.46	+ 6 28.5	0.974	1.829	23.1	20.0

388343 2006 TP_{59} 3 30.4 170.°04 1.°0/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.64	− 1 52.2	2.647	3.434	11.4	21.6
3 2	12 56.26	− 1 35.1	2.557	3.436	8.8	21.4
3 12	12 50.23	− 1 11.0	2.491	3.438	5.9	21.2
3 22	12 43.01	− 0 42.6	2.452	3.439	2.7	21.0
4 1	12 35.19	− 0 13.5	2.444	3.440	1.3	20.9
4 11	12 27.51	+ 0 12.4	2.465	3.441	4.4	21.1
4 21	12 20.61	+ 0 31.8	2.515	3.442	7.5	21.3
5 1	12 15.03	+ 0 42.2	2.590	3.443	10.3	21.5

233305 2006 BD_{69} 3 30.4 26.°61 4.°7/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.07	+ 6 1.0	1.852	2.676	14.1	20.6
3 2	12 56.53	+ 7 2.7	1.777	2.677	11.0	20.4
3 12	12 50.76	+ 8 9.8	1.726	2.677	7.6	20.2
3 22	12 43.34	+ 9 15.3	1.700	2.679	5.0	20.0
4 1	12 35.13	+10 11.5	1.701	2.680	5.5	20.0
4 11	12 27.15	+10 51.7	1.730	2.681	8.4	20.2
4 21	12 20.31	+11 12.1	1.783	2.682	11.8	20.4
5 1	12 15.31	+11 11.4	1.858	2.683	14.9	20.6

477184 2009 FB_{68} 3 30.4 315.°84 0.°3/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.61	− 6 0.9	2.224	3.010	13.3	21.5
3 2	12 55.89	− 5 55.3	2.128	3.005	10.5	21.3
3 12	12 50.23	− 5 38.9	2.055	2.999	7.2	21.1
3 22	12 43.09	− 5 13.8	2.008	2.994	3.4	20.8
4 1	12 35.17	− 4 43.5	1.989	2.988	0.6	20.6
4 11	12 27.34	− 4 12.7	1.999	2.983	4.5	20.9
4 21	12 20.40	− 3 45.7	2.037	2.978	8.2	21.1
5 1	12 15.01	− 3 26.6	2.099	2.973	11.5	21.3

503919 2002 RJ_{266} 3 30.4 264.°55 3.°6/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.74	−15 2.6	2.153	2.900	14.9	21.5
3 2	12 57.78	−15 25.3	2.050	2.892	12.3	21.3
3 12	12 51.65	−15 32.2	1.968	2.885	9.2	21.1
3 22	12 43.81	−15 23.1	1.911	2.877	6.0	20.9
4 1	12 35.03	−14 59.1	1.882	2.870	3.7	20.7
4 11	12 26.27	−14 24.2	1.880	2.862	4.9	20.8
4 21	12 18.43	−13 43.5	1.906	2.855	8.2	20.9
5 1	12 12.31	−13 3.1	1.957	2.847	11.5	21.1

253257 2003 AZ_{56} 3 30.4 79.°97 0.°3/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.62	− 5 11.5	1.721	2.518	16.2	20.5
3 2	12 59.33	− 4 53.0	1.653	2.536	12.6	20.3
3 12	12 52.62	− 4 21.0	1.606	2.554	8.5	20.0
3 22	12 44.18	− 3 39.6	1.584	2.571	3.9	19.8
4 1	12 34.99	− 2 54.1	1.590	2.589	0.9	19.6
4 11	12 26.16	− 2 11.3	1.623	2.606	5.5	20.0
4 21	12 18.67	− 1 36.7	1.683	2.623	9.7	20.3
5 1	12 13.24	− 1 14.5	1.767	2.640	13.4	20.5

425084 2009 SB_{2} 3 30.4 171.°36 3.°6/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.63	−16 51.0	2.498	3.219	13.7	22.0
3 2	12 59.62	−17 8.3	2.399	3.223	11.4	21.8
3 12	12 52.65	−17 10.3	2.322	3.227	8.6	21.7
3 22	12 44.20	−16 56.8	2.271	3.230	5.7	21.5
4 1	12 34.98	−16 29.1	2.248	3.232	3.7	21.4
4 11	12 25.85	−15 50.7	2.255	3.233	4.6	21.4
4 21	12 17.61	−15 6.4	2.290	3.234	7.3	21.6
5 1	12 10.93	−14 21.6	2.353	3.234	10.2	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
437682	2014 DX_3		3 30.4	266.°22	2.°4/ 1.9	17
	h m	° ′			°	m
2 21	13 0.90	−12 13.2	2.389	3.144	13.4	21.4
3 2	12 56.88	−12 26.1	2.282	3.133	10.9	21.2
3 12	12 50.91	−12 25.8	2.197	3.123	7.9	20.9
3 22	12 43.43	−12 12.9	2.138	3.112	4.7	20.7
4 1	12 35.12	−11 49.1	2.107	3.101	2.4	20.5
4 11	12 26.82	−11 18.3	2.105	3.090	4.2	20.6
4 21	12 19.32	−10 44.8	2.131	3.078	7.5	20.8
5 1	12 13.32	−10 13.5	2.183	3.067	10.7	21.0
157782	3296 T_{-2}		3 30.4	226.°99	0.°6/29.9	17
2 21	13 4.64	− 3 12.2	2.291	3.073	13.1	20.9
3 2	12 59.78	− 3 5.7	2.188	3.064	10.3	20.7
3 12	12 52.86	− 2 50.4	2.109	3.054	6.9	20.5
3 22	12 44.34	− 2 29.0	2.057	3.044	3.2	20.2
4 1	12 34.97	− 2 4.9	2.034	3.033	1.0	20.0
4 11	12 25.65	− 1 42.5	2.042	3.021	4.8	20.3
4 21	12 17.21	− 1 25.8	2.077	3.010	8.6	20.5
5 1	12 10.40	− 1 18.1	2.138	2.997	11.9	20.7
108915	2001 PY_{12}		3 30.4	223.°38	4.°3/26.1	18
2 21	13 1.08	+ 4 23.2	1.894	2.712	14.1	20.1
3 2	12 57.36	+ 5 29.3	1.810	2.707	10.9	19.8
3 12	12 51.37	+ 6 43.2	1.750	2.702	7.5	19.6
3 22	12 43.68	+ 7 57.9	1.715	2.696	4.7	19.4
4 1	12 35.11	+ 9 5.4	1.709	2.690	5.1	19.4
4 11	12 26.69	+ 9 58.4	1.729	2.683	8.2	19.6
4 21	12 19.36	+10 32.2	1.776	2.677	11.7	19.8
5 1	12 13.87	+10 44.5	1.844	2.670	15.0	20.0
94544	2001 UB_{179}		3 30.4	347.°97	2.°6/28.2	18
2 21	12 59.16	− 2 44.4	1.350	2.178	18.1	19.6
3 2	12 56.70	− 1 42.7	1.274	2.177	14.1	19.3
3 12	12 51.36	− 0 22.7	1.218	2.176	9.4	19.0
3 22	12 43.79	+ 1 8.4	1.186	2.174	4.4	18.7
4 1	12 35.08	+ 2 40.0	1.179	2.174	3.4	18.7
4 11	12 26.62	+ 4 0.9	1.197	2.173	8.1	18.9
4 21	12 19.62	+ 5 2.1	1.240	2.173	13.1	19.2
5 1	12 15.03	+ 5 38.5	1.302	2.172	17.4	19.5
412049	2013 ES_7		3 30.4	326.°49	1.°7/31.6	16
2 21	12 59.41	− 8 51.1	1.255	2.071	19.9	21.7
3 2	12 57.37	− 8 58.4	1.168	2.059	16.1	21.4
3 12	12 52.16	− 8 45.2	1.100	2.048	11.4	21.1
3 22	12 44.32	− 8 13.0	1.052	2.037	6.0	20.7
4 1	12 34.96	− 7 26.2	1.029	2.027	1.7	20.4
4 11	12 25.63	− 6 33.4	1.029	2.018	6.5	20.7
4 21	12 17.81	− 5 43.9	1.053	2.009	12.2	21.0
5 1	12 12.66	− 5 6.5	1.097	2.002	17.2	21.2
322329	2011 GO_{84}		3 30.4	232.°43	0.°4/30.9	17
2 21	13 0.87	− 7 19.1	2.080	2.863	14.2	21.5
3 2	12 57.04	− 7 4.1	1.984	2.858	11.3	21.3
3 12	12 51.10	− 6 35.8	1.911	2.853	7.7	21.0
3 22	12 43.54	− 5 56.5	1.863	2.847	3.8	20.8
4 1	12 35.14	− 5 10.4	1.843	2.842	0.7	20.5
4 11	12 26.82	− 4 23.1	1.852	2.836	4.7	20.8
4 21	12 19.47	− 3 40.2	1.888	2.830	8.7	21.0
5 1	12 13.80	− 3 6.5	1.949	2.824	12.2	21.2
387117	2012 TF_{168}		3 30.4	111.°32	1.°5/28.4	17
2 21	12 58.46	− 1 46.1	2.648	3.440	11.3	21.6
3 2	12 54.48	− 0 56.8	2.574	3.457	8.6	21.4
3 12	12 48.98	+ 0 0.6	2.525	3.474	5.7	21.3
3 22	12 42.41	+ 1 1.8	2.504	3.491	2.7	21.1
4 1	12 35.37	+ 2 2.2	2.513	3.507	1.9	21.1
4 11	12 28.54	+ 2 56.9	2.552	3.523	4.7	21.3
4 21	12 22.52	+ 3 42.0	2.619	3.539	7.6	21.5
5 1	12 17.78	+ 4 14.7	2.712	3.554	10.2	21.7
402076	2003 UF_{193}		3 30.4	136.°93	0.°8/31.2	18
2 21	13 4.53	− 8 36.2	1.950	2.726	15.3	22.6
3 2	12 59.87	− 8 17.5	1.870	2.738	12.1	22.4
3 12	12 52.95	− 7 43.7	1.811	2.750	8.3	22.2
3 22	12 44.36	− 6 57.5	1.778	2.761	4.1	21.9
4 1	12 35.00	− 6 3.7	1.773	2.772	0.8	21.7
4 11	12 25.90	− 5 8.5	1.798	2.782	4.8	22.0
4 21	12 17.97	− 4 18.1	1.850	2.791	8.9	22.3
5 1	12 11.94	− 3 37.7	1.926	2.800	12.4	22.5
328280	2008 GS_{69}		3 30.5	43.°75	1.°2/29.2	18
2 21	12 56.61	− 6 51.7	1.541	2.354	17.0	20.3
3 2	12 54.24	− 5 37.1	1.469	2.362	13.2	20.1
3 12	12 49.42	− 4 1.8	1.418	2.371	8.8	19.8
3 22	12 42.78	− 2 12.6	1.392	2.380	3.9	19.6
4 1	12 35.30	− 0 19.4	1.393	2.390	1.9	19.4
4 11	12 28.12	+ 1 26.6	1.420	2.400	6.6	19.8
4 21	12 22.23	+ 2 56.0	1.474	2.410	11.1	20.0
5 1	12 18.38	+ 4 2.8	1.550	2.421	15.0	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
142668	2002 TG_{214}		3 30.5	271.°68	1.°2/29.5	17
	h m	° ′			°	m
2 21	13 5.69	− 2 9.7	1.820	2.618	15.4	20.7
3 2	13 1.39	− 1 58.0	1.709	2.593	12.2	20.5
3 12	12 54.44	− 1 35.6	1.619	2.568	8.3	20.2
3 22	12 45.29	− 1 5.6	1.555	2.542	3.9	19.8
4 1	12 34.80	− 0 32.8	1.518	2.516	1.7	19.6
4 11	12 24.15	− 0 3.5	1.510	2.489	6.3	19.9
4 21	12 14.52	+ 0 16.8	1.528	2.461	11.0	20.1
5 1	12 6.91	+ 0 23.8	1.570	2.434	15.2	20.3
450985	2008 SN_{223}		3 30.5	80.°72	1.°8/31.9	18
2 21	13 2.49	−11 2.9	1.390	2.185	19.4	21.8
3 2	12 59.20	−10 49.5	1.317	2.195	15.5	21.6
3 12	12 52.97	−10 13.6	1.263	2.204	10.9	21.3
3 22	12 44.52	− 9 17.7	1.232	2.214	5.8	21.0
4 1	12 34.98	− 8 7.9	1.225	2.223	1.8	20.8
4 11	12 25.78	− 6 53.5	1.246	2.233	5.9	21.1
4 21	12 18.15	− 5 44.3	1.290	2.242	10.9	21.4
5 1	12 13.00	− 4 48.2	1.358	2.252	15.3	21.7
163956	2003 UV_{45}		3 30.5	266.°81	0.°4/30.9	17 R
2 21	12 58.51	− 8 4.3	2.081	2.866	14.1	20.5
3 2	12 55.23	− 7 36.5	1.983	2.858	11.2	20.3
3 12	12 49.90	− 6 53.8	1.907	2.850	7.7	20.0
3 22	12 43.00	− 5 58.8	1.856	2.841	3.7	19.8
4 1	12 35.26	− 4 56.3	1.834	2.833	0.6	19.5
4 11	12 27.59	− 3 52.6	1.840	2.824	4.7	19.8
4 21	12 20.85	− 2 54.1	1.874	2.816	8.7	20.0
5 1	12 15.74	− 2 6.1	1.932	2.807	12.3	20.2
117499	2005 CQ_{21}		3 30.5	48.°62	2.°1/28.7	18
2 21	13 0.11	− 2 54.1	1.423	2.246	17.6	19.7
3 2	12 57.19	− 2 3.7	1.353	2.253	13.7	19.5
3 12	12 51.53	− 0 57.4	1.304	2.260	9.1	19.3
3 22	12 43.81	+ 0 18.3	1.279	2.268	4.2	19.0
4 1	12 35.13	+ 1 34.3	1.280	2.276	2.8	18.9
4 11	12 26.78	+ 2 41.0	1.306	2.284	7.4	19.2
4 21	12 19.89	+ 3 30.8	1.357	2.292	12.0	19.5
5 1	12 15.30	+ 3 59.5	1.429	2.300	16.1	19.8
8528	1992 SC_{24}		3 30.5	135.°60	2.°7/ 2.0	18
2 21	13 2.45	−14 16.1	1.820	2.582	16.7	18.0
3 2	12 58.53	−14 1.8	1.736	2.591	13.6	17.7
3 12	12 52.20	−13 26.9	1.672	2.599	9.8	17.5
3 22	12 44.08	−12 32.7	1.633	2.608	5.8	17.3
4 1	12 35.08	−11 23.6	1.621	2.615	2.7	17.1
4 11	12 26.31	−10 6.6	1.637	2.623	5.0	17.3
4 21	12 18.76	− 8 50.1	1.680	2.630	9.0	17.5
5 1	12 13.21	− 7 41.5	1.748	2.636	12.7	17.8
280335	2003 SX_{109}		3 30.5	155.°83	2.°1/ 2.0	17
2 21	12 59.31	−14 2.9	2.439	3.187	13.3	21.0
3 2	12 55.47	−13 42.3	2.345	3.192	10.8	20.8
3 12	12 49.84	−13 5.6	2.274	3.197	7.8	20.7
3 22	12 42.89	−12 14.4	2.229	3.202	4.6	20.5
4 1	12 35.30	−11 12.0	2.212	3.207	2.1	20.3
4 11	12 27.86	−10 3.8	2.225	3.211	3.9	20.4
4 21	12 21.27	− 8 55.5	2.267	3.214	7.1	20.6
5 1	12 16.13	− 7 52.7	2.335	3.217	10.2	20.8
443750	2015 MG		3 30.5	255.°24	1.°3/28.8	16
2 21	12 57.66	− 2 26.6	2.760	3.549	10.9	21.8
3 2	12 54.05	− 1 44.9	2.650	3.531	8.5	21.6
3 12	12 48.85	− 0 54.2	2.564	3.513	5.6	21.4
3 22	12 42.44	+ 0 2.5	2.507	3.494	2.6	21.2
4 1	12 35.38	+ 1 0.6	2.480	3.475	1.7	21.1
4 11	12 28.33	+ 1 55.4	2.482	3.456	4.6	21.3
4 21	12 21.93	+ 2 42.4	2.513	3.436	7.8	21.4
5 1	12 16.73	+ 3 18.3	2.569	3.416	10.6	21.6
464223	2015 BB_{242}		3 30.5	254.°46	1.°2/31.7	17
2 21	12 59.73	−10 6.3	1.984	2.762	15.0	21.1
3 2	12 56.32	− 9 48.9	1.886	2.755	12.0	20.9
3 12	12 50.71	− 9 14.9	1.809	2.747	8.4	20.7
3 22	12 43.41	− 8 26.5	1.757	2.739	4.4	20.4
4 1	12 35.20	− 7 27.7	1.733	2.731	1.2	20.2
4 11	12 27.05	− 6 24.9	1.737	2.723	4.7	20.4
4 21	12 19.90	− 5 24.8	1.768	2.715	8.8	20.6
5 1	12 14.49	− 4 33.6	1.824	2.706	12.6	20.8
198405	2004 VY_{56}		3 30.5	203.°14	1.°3/31.8	17
2 21	13 1.56	− 9 54.8	2.278	3.044	13.6	21.3
3 2	12 57.40	− 9 46.9	2.180	3.041	10.9	21.1
3 12	12 51.25	− 9 25.4	2.103	3.038	7.7	20.9
3 22	12 43.61	− 8 51.9	2.053	3.034	4.1	20.6
4 1	12 35.17	− 8 9.7	2.032	3.029	1.3	20.4
4 11	12 26.82	− 7 23.5	2.040	3.025	4.2	20.6
4 21	12 19.36	− 6 38.7	2.076	3.020	7.9	20.8
5 1	12 13.47	− 6 0.1	2.137	3.014	11.2	21.0

381617 2008 WM_{103} 3 30.5 69.°24 4.°9/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.54	−20 29.2	2.063	2.789	16.1	20.9
3 2	12 56.08	−20 41.9	1.976	2.798	13.5	20.7
3 12	12 50.47	−20 33.5	1.909	2.807	10.5	20.5
3 22	12 43.25	−20 3.5	1.866	2.817	7.5	20.3
4 1	12 35.24	−19 13.9	1.848	2.826	5.2	20.2
4 11	12 27.41	−18 9.6	1.858	2.835	5.6	20.3
4 21	12 20.65	−16 57.5	1.895	2.845	8.1	20.4
5 1	12 15.65	−15 45.3	1.957	2.854	11.1	20.6

423522 2005 UX_{101} 3 30.5 188.°96 3.°8/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.91	+ 5 57.0	2.287	3.092	12.4	22.0
3 2	12 59.10	+ 6 42.4	2.202	3.091	9.6	21.8
3 12	12 52.30	+ 7 31.9	2.142	3.090	6.7	21.6
3 22	12 44.06	+ 8 20.0	2.109	3.088	4.2	21.4
4 1	12 35.10	+ 9 1.1	2.105	3.085	4.4	21.5
4 11	12 26.31	+ 9 30.2	2.130	3.082	7.0	21.6
4 21	12 18.48	+ 9 44.0	2.182	3.078	10.1	21.8
5 1	12 12.27	+ 9 41.4	2.258	3.074	12.9	22.0

402927 2007 TS_{165} 3 30.5 91.°95 0.°8/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.81	− 8 40.4	1.613	2.403	17.4	21.4
3 2	12 59.71	− 8 22.2	1.543	2.420	13.7	21.1
3 12	12 53.03	− 7 46.4	1.493	2.436	9.4	20.9
3 22	12 44.46	− 6 56.2	1.467	2.452	4.7	20.7
4 1	12 35.04	− 5 57.4	1.468	2.467	0.9	20.4
4 11	12 25.99	− 4 57.7	1.497	2.483	5.4	20.8
4 21	12 18.35	− 4 4.5	1.552	2.498	9.9	21.1
5 1	12 12.91	− 3 23.5	1.630	2.513	13.8	21.4

185477 2007 CK_6 3 30.5 193.°04 0.°6/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.58	− 4 37.0	2.242	3.026	13.3	21.7
3 2	12 58.17	− 4 7.2	2.147	3.024	10.4	21.5
3 12	12 51.75	− 3 26.0	2.076	3.021	7.0	21.3
3 22	12 43.84	− 2 36.7	2.032	3.018	3.2	21.1
4 1	12 35.15	− 1 44.1	2.016	3.015	1.1	20.9
4 11	12 26.57	− 0 53.6	2.031	3.010	4.9	21.1
4 21	12 18.93	− 0 10.6	2.074	3.005	8.6	21.4
5 1	12 12.89	+ 0 21.2	2.141	3.000	11.9	21.6

239798 1981 EZ_{31} 3 30.5 7.°89 5.°3/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.24	−19 19.4	1.855	2.601	17.0	19.9
3 2	12 54.60	−19 46.7	1.767	2.602	14.3	19.7
3 12	12 49.65	−19 52.8	1.699	2.604	11.2	19.5
3 22	12 42.94	−19 36.7	1.653	2.607	7.9	19.3
4 1	12 35.31	−18 59.7	1.632	2.611	5.5	19.2
4 11	12 27.81	−18 6.7	1.637	2.616	6.0	19.2
4 21	12 21.41	−17 4.6	1.668	2.621	8.8	19.4
5 1	12 16.89	−16 1.3	1.723	2.627	12.0	19.6

499145 2009 RF_{19} 3 30.5 221.°75 1.°8/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.16	−12 8.0	2.369	3.122	13.5	22.8
3 2	12 57.88	−11 55.7	2.259	3.111	11.0	22.6
3 12	12 51.62	−11 28.2	2.172	3.100	7.9	22.4
3 22	12 43.81	−10 46.7	2.111	3.087	4.4	22.2
4 1	12 35.16	− 9 54.2	2.078	3.074	1.8	22.0
4 11	12 26.51	− 8 55.6	2.076	3.061	4.2	22.1
4 21	12 18.70	− 7 56.7	2.102	3.047	7.8	22.3
5 1	12 12.42	− 7 3.0	2.154	3.032	11.1	22.5

407826 2012 BG_{13} 3 30.5 122.°86 8.°3/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.11	+17 55.6	2.125	2.937	13.0	21.0
3 2	13 0.05	+19 55.5	2.082	2.960	10.7	20.9
3 12	12 52.89	+21 49.9	2.065	2.982	8.8	20.8
3 22	12 44.29	+23 29.4	2.075	3.003	8.3	20.9
4 1	12 35.12	+24 46.0	2.112	3.023	9.3	20.9
4 11	12 26.33	+25 35.0	2.176	3.043	11.2	21.1
4 21	12 18.76	+25 55.7	2.263	3.061	13.3	21.3
5 1	12 13.01	+25 50.0	2.369	3.079	15.2	21.5

107574 2001 DS_{92} 3 30.5 26.°24 1.°1/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.68	− 3 48.5	1.305	2.130	18.8	19.9
3 2	12 57.90	− 3 27.7	1.236	2.136	14.7	19.6
3 12	12 52.16	− 2 51.1	1.188	2.143	9.8	19.4
3 22	12 44.18	− 2 3.6	1.162	2.151	4.5	19.1
4 1	12 35.12	− 1 12.7	1.161	2.159	1.7	18.9
4 11	12 26.42	− 0 27.3	1.185	2.168	7.0	19.3
4 21	12 19.31	+ 0 5.4	1.232	2.177	12.0	19.6
5 1	12 14.70	+ 0 20.9	1.301	2.187	16.3	19.8

113607 2002 TQ_{53} 3 30.5 80.°95 6.°8/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.49	+16 3.0	2.173	2.985	12.7	19.0
3 2	12 59.51	+16 53.8	2.115	2.998	10.2	18.9
3 12	12 52.51	+17 40.1	2.080	3.010	8.0	18.7
3 22	12 44.12	+18 15.4	2.072	3.023	6.8	18.7
4 1	12 35.17	+18 34.1	2.091	3.035	7.4	18.8
4 11	12 26.58	+18 32.6	2.137	3.048	9.4	18.9
4 21	12 19.15	+18 10.5	2.208	3.060	11.8	19.1
5 1	12 13.47	+17 29.1	2.300	3.072	14.0	19.2

52884 1998 SX_{54} 3 30.5 163.°28 1.°1/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.00	− 5 3.1	1.815	2.608	15.6	20.1
3 2	12 59.68	− 4 12.4	1.732	2.615	12.2	19.9
3 12	12 52.96	− 3 6.2	1.672	2.620	8.1	19.7
3 22	12 44.46	− 1 49.6	1.638	2.625	3.7	19.4
4 1	12 35.09	− 0 29.6	1.632	2.629	1.7	19.3
4 11	12 25.95	+ 0 45.4	1.654	2.632	6.0	19.6
4 21	12 18.02	+ 1 48.5	1.704	2.635	10.3	19.8
5 1	12 12.08	+ 2 34.6	1.778	2.637	14.0	20.1

417656 2006 YL_{16} 3 30.5 137.°63 1.°6/ 1.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.01	−11 1.9	2.226	2.984	14.2	21.8
3 2	12 59.22	−10 53.2	2.142	2.998	11.3	21.6
3 12	12 52.41	−10 29.9	2.080	3.010	8.0	21.4
3 22	12 44.13	− 9 53.8	2.044	3.022	4.4	21.2
4 1	12 35.16	− 9 8.4	2.037	3.034	1.6	21.1
4 11	12 26.40	− 8 18.7	2.060	3.045	4.2	21.3
4 21	12 18.67	− 7 30.3	2.111	3.055	7.8	21.5
5 1	12 12.62	− 6 48.1	2.188	3.064	11.0	21.7

15673 Chetaev 3 30.5 250.°93 2.°9/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.91	−12 45.9	1.825	2.586	16.7	18.7
3 2	13 1.68	−12 54.1	1.711	2.565	13.7	18.4
3 12	12 54.73	−12 44.3	1.616	2.544	10.1	18.1
3 22	12 45.51	−12 16.2	1.546	2.521	6.0	17.8
4 1	12 34.87	−11 31.8	1.503	2.498	2.9	17.6
4 11	12 24.03	−10 36.4	1.488	2.473	5.5	17.7
4 21	12 14.22	− 9 37.4	1.500	2.448	10.0	17.9
5 1	12 6.50	− 8 42.7	1.537	2.422	14.3	18.1

151046 2001 UX_{219} 3 30.5 310.°68 0.°6/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.77	− 7 50.5	1.594	2.397	17.0	19.8
3 2	12 56.21	− 7 37.4	1.496	2.381	13.6	19.5
3 12	12 51.03	− 7 6.5	1.418	2.365	9.4	19.3
3 22	12 43.73	− 6 20.3	1.364	2.350	4.7	18.9
4 1	12 35.21	− 5 23.7	1.336	2.335	0.8	18.6
4 11	12 26.68	− 4 24.4	1.334	2.321	5.8	18.9
4 21	12 19.31	− 3 30.5	1.357	2.306	10.7	19.2
5 1	12 14.07	− 2 48.9	1.403	2.293	15.1	19.4

151097 2001 VN_{108} 3 30.5 219.°08 1.°6/ 1.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.45	−11 1.4	2.282	3.042	13.8	20.9
3 2	12 58.17	−10 52.5	2.176	3.033	11.1	20.7
3 12	12 51.85	−10 29.0	2.093	3.024	7.9	20.5
3 22	12 43.95	− 9 52.2	2.035	3.014	4.4	20.2
4 1	12 35.18	− 9 5.2	2.007	3.003	1.6	20.0
4 11	12 26.44	− 8 13.0	2.007	2.992	4.3	20.2
4 21	12 18.58	− 7 21.0	2.036	2.981	8.0	20.4
5 1	12 12.30	− 6 34.9	2.091	2.968	11.4	20.6

329594 2003 BG_{76} 3 30.5 343.°28 10.°4/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.99	+17 29.1	1.446	2.289	16.3	19.8
3 2	12 57.27	+19 6.7	1.384	2.282	13.5	19.6
3 12	12 51.70	+20 39.9	1.343	2.275	11.3	19.4
3 22	12 43.97	+21 56.9	1.325	2.270	10.5	19.4
4 1	12 35.19	+22 46.3	1.330	2.265	11.7	19.4
4 11	12 26.73	+23 1.5	1.358	2.261	14.3	19.5
4 21	12 19.77	+22 41.1	1.406	2.257	17.3	19.7
5 1	12 15.18	+21 48.1	1.471	2.254	20.1	19.9

199028 2005 WT_{117} 3 30.5 214.°37 0.°4/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.27	− 7 6.1	1.764	2.548	16.3	20.9
3 2	13 1.76	− 6 54.6	1.667	2.542	13.0	20.7
3 12	12 54.61	− 6 27.9	1.591	2.534	9.0	20.4
3 22	12 45.35	− 5 48.3	1.541	2.526	4.4	20.1
4 1	12 34.93	− 5 0.4	1.518	2.516	0.7	19.8
4 11	12 24.56	− 4 10.9	1.523	2.507	5.6	20.2
4 21	12 15.38	− 3 26.6	1.555	2.496	10.2	20.4
5 1	12 8.33	− 2 53.3	1.611	2.485	14.4	20.6

386497 2009 BR_{40} 3 30.5 74.°51 6.°6/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.39	−23 25.4	2.231	2.925	15.9	20.9
3 2	12 59.84	−24 22.0	2.143	2.935	13.7	20.8
3 12	12 53.04	−25 0.0	2.074	2.945	11.1	20.6
3 22	12 44.52	−25 17.0	2.029	2.955	8.6	20.5
4 1	12 35.10	−25 12.2	2.009	2.965	6.9	20.4
4 11	12 25.77	−24 48.1	2.017	2.975	6.9	20.4
4 21	12 17.49	−24 9.6	2.051	2.985	8.6	20.5
5 1	12 11.01	−23 23.3	2.110	2.995	11.0	20.7

168920 2000 YK_{50} 3 30.5 138.°75 2.°9/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.04	+ 0 45.6	2.015	2.817	13.9	21.3
3 2	12 59.34	+ 1 47.4	1.943	2.832	10.7	21.1
3 12	12 52.53	+ 2 58.2	1.894	2.845	7.1	20.9
3 22	12 44.19	+ 4 12.0	1.873	2.858	3.7	20.7
4 1	12 35.18	+ 5 21.7	1.881	2.870	3.5	20.7
4 11	12 26.46	+ 6 20.4	1.918	2.881	6.7	20.9
4 21	12 18.88	+ 7 3.7	1.981	2.892	10.2	21.1
5 1	12 13.09	+ 7 28.8	2.069	2.902	13.3	21.4

336445 2008 UG_{316} 3 30.5 215.°17 5.°7/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.30	+14 16.9	2.668	3.472	10.8	21.5
3 2	12 58.42	+15 15.9	2.582	3.463	8.7	21.4
3 12	12 51.78	+16 13.6	2.522	3.454	6.7	21.2
3 22	12 43.84	+17 4.3	2.490	3.443	5.7	21.1
4 1	12 35.24	+17 42.4	2.487	3.433	6.3	21.1
4 11	12 26.77	+18 3.9	2.512	3.421	8.2	21.2
4 21	12 19.12	+18 6.8	2.563	3.409	10.5	21.4
5 1	12 12.88	+17 51.0	2.636	3.396	12.7	21.5

293070 2006 WJ_{167} 3 30.5 4.°57 1.°6/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.83	−11 4.1	2.126	2.901	14.2	20.8
3 2	12 53.86	−10 50.7	2.035	2.901	11.4	20.6
3 12	12 48.94	−10 21.7	1.966	2.902	8.0	20.3
3 22	12 42.57	− 9 39.1	1.922	2.902	4.4	20.1
4 1	12 35.47	− 8 46.6	1.906	2.903	1.6	19.9
4 11	12 28.50	− 7 49.8	1.918	2.905	4.3	20.1
4 21	12 22.44	− 6 54.6	1.957	2.907	7.9	20.3
5 1	12 17.96	− 6 6.6	2.022	2.909	11.3	20.5

497785 2006 SY_{384} 3 30.5 179.°03 3.°4/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.43	+ 4 21.0	2.505	3.316	11.3	21.9
3 2	12 53.93	+ 5 25.8	2.423	3.317	8.7	21.7
3 12	12 48.78	+ 6 36.2	2.366	3.317	5.9	21.5
3 22	12 42.43	+ 7 46.8	2.337	3.317	3.7	21.4
4 1	12 35.50	+ 8 51.8	2.337	3.317	4.0	21.4
4 11	12 28.72	+ 9 45.8	2.366	3.317	6.5	21.6
4 21	12 22.72	+10 25.1	2.422	3.317	9.3	21.7
5 1	12 18.05	+10 47.6	2.502	3.316	11.8	21.9

225569 2000 TZ_{59} 3 30.5 165.°75 5.°4/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.59	+12 38.2	2.584	3.389	11.1	21.4
3 2	12 58.58	+13 40.7	2.512	3.395	8.8	21.3
3 12	12 51.82	+14 42.3	2.465	3.401	6.6	21.1
3 22	12 43.82	+15 37.4	2.447	3.405	5.4	21.0
4 1	12 35.26	+16 20.2	2.457	3.409	6.0	21.1
4 11	12 26.91	+16 46.8	2.496	3.413	8.0	21.2
4 21	12 19.46	+16 55.3	2.562	3.416	10.3	21.4
5 1	12 13.48	+16 45.5	2.650	3.418	12.4	21.5

26395 Megkurohara 3 30.5 25.°63 0.°9/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.40	− 3 46.9	1.316	2.139	18.8	19.1
3 2	12 58.46	− 3 34.5	1.247	2.146	14.7	18.9
3 12	12 52.55	− 3 7.0	1.198	2.153	9.9	18.6
3 22	12 44.39	− 2 29.1	1.172	2.161	4.5	18.3
4 1	12 35.15	− 1 47.3	1.171	2.169	1.5	18.1
4 11	12 26.26	− 1 10.0	1.195	2.178	6.8	18.5
4 21	12 18.97	− 0 43.8	1.242	2.188	11.8	18.8
5 1	12 14.18	− 0 33.3	1.311	2.199	16.1	19.1

390969 2005 QM_{125} 3 30.5 207.°18 1.°5/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.02	− 1 53.6	2.607	3.403	11.3	21.7
3 2	12 53.57	− 1 4.8	2.515	3.400	8.7	21.6
3 12	12 48.53	− 0 6.9	2.447	3.397	5.8	21.4
3 22	12 42.32	+ 0 56.1	2.407	3.394	2.7	21.1
4 1	12 35.53	+ 1 59.3	2.397	3.391	2.0	21.1
4 11	12 28.85	+ 2 57.4	2.416	3.388	4.9	21.3
4 21	12 22.89	+ 3 46.2	2.463	3.385	8.0	21.5
5 1	12 18.21	+ 4 22.3	2.536	3.381	10.7	21.6

285714 2000 SN_{260} 3 30.5 107.°75 1.°2/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.97	− 3 25.2	1.722	2.520	16.1	21.4
3 2	13 1.16	− 2 52.7	1.655	2.539	12.5	21.2
3 12	12 53.89	− 2 7.7	1.609	2.558	8.3	21.0
3 22	12 44.87	− 1 15.1	1.589	2.577	3.8	20.7
4 1	12 35.09	− 0 21.2	1.598	2.595	1.7	20.6
4 11	12 25.71	+ 0 26.9	1.634	2.612	6.0	20.9
4 21	12 17.72	+ 1 3.6	1.697	2.629	10.2	21.2
5 1	12 11.83	+ 1 25.5	1.783	2.645	13.8	21.5

269550 Chur 3 30.5 321.°07 8.°3/23.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.56	+15 32.9	1.709	2.536	14.9	20.3
3 2	12 59.61	+16 36.1	1.636	2.528	12.2	20.1
3 12	12 53.07	+17 36.4	1.585	2.521	9.6	19.9
3 22	12 44.57	+18 24.5	1.559	2.513	8.3	19.8
4 1	12 35.13	+18 52.2	1.558	2.506	9.1	19.9
4 11	12 25.93	+18 53.8	1.581	2.499	11.6	20.0
4 21	12 18.07	+18 27.9	1.628	2.493	14.6	20.2
5 1	12 12.35	+17 36.4	1.695	2.487	17.5	20.3

303378 2004 WD_2 3 30.5 133.°77 0.°9/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.10	− 9 47.0	1.825	2.602	16.1	21.5
3 2	12 59.73	− 9 19.9	1.746	2.615	12.8	21.3
3 12	12 52.98	− 8 35.3	1.688	2.627	8.9	21.0
3 22	12 44.48	− 7 36.1	1.656	2.639	4.5	20.8
4 1	12 35.15	− 6 27.8	1.651	2.650	1.0	20.6
4 11	12 26.11	− 5 17.9	1.675	2.660	5.0	20.9
4 21	12 18.32	− 4 13.5	1.726	2.670	9.2	21.1
5 1	12 12.52	− 3 20.8	1.802	2.679	13.0	21.4

35732 1999 GL_8 3 30.5 68.°98 1.°6/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.15	−11 41.2	1.376	2.171	19.6	18.5
3 2	12 58.82	−11 13.9	1.313	2.190	15.6	18.2
3 12	12 52.63	−10 22.7	1.269	2.210	10.9	18.0
3 22	12 44.36	− 9 11.4	1.248	2.230	5.7	17.8
4 1	12 35.18	− 7 47.4	1.252	2.250	1.6	17.6
4 11	12 26.48	− 6 20.9	1.283	2.270	5.7	17.9
4 21	12 19.40	− 5 2.1	1.339	2.290	10.6	18.2
5 1	12 14.75	− 3 58.7	1.417	2.310	14.8	18.5

34752 2001 QU_{105} 3 30.5 319.°48 1.°0/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.66	− 9 15.5	1.320	2.132	19.3	17.7
3 2	12 56.62	− 8 59.0	1.233	2.123	15.5	17.4
3 12	12 51.57	− 8 19.8	1.165	2.113	10.9	17.1
3 22	12 44.07	− 7 20.3	1.119	2.104	5.5	16.8
4 1	12 35.21	− 6 6.9	1.097	2.096	1.1	16.5
4 11	12 26.42	− 4 49.5	1.100	2.088	6.4	16.8
4 21	12 19.08	− 3 38.7	1.127	2.080	11.9	17.1
5 1	12 14.24	− 2 43.5	1.175	2.073	16.8	17.3

416993 2005 TO_{152} 3 30.5 92.°96 6.°1/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.10	+11 37.1	2.038	2.854	13.3	21.4
3 2	12 59.24	+12 51.2	1.989	2.879	10.4	21.3
3 12	12 52.34	+14 4.3	1.964	2.904	7.7	21.1
3 22	12 44.06	+15 8.9	1.966	2.928	6.2	21.1
4 1	12 35.26	+15 58.0	1.996	2.952	6.8	21.2
4 11	12 26.89	+16 27.2	2.053	2.976	9.1	21.3
4 21	12 19.74	+16 34.7	2.134	2.998	11.6	21.5
5 1	12 14.37	+16 21.3	2.238	3.021	14.0	21.7

64380 2001 UN_{127} 3 30.5 28.°77 2.°8/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.13	− 2 46.9	1.182	2.021	19.5	18.8
3 2	12 56.16	− 1 45.4	1.119	2.028	15.1	18.5
3 12	12 51.12	− 0 25.0	1.076	2.035	10.0	18.2
3 22	12 43.75	+ 1 6.0	1.054	2.043	4.7	18.0
4 1	12 35.30	+ 2 36.1	1.057	2.052	3.6	17.9
4 11	12 27.25	+ 3 53.0	1.084	2.062	8.5	18.2
4 21	12 20.87	+ 4 48.1	1.134	2.072	13.5	18.5
5 1	12 17.06	+ 5 16.9	1.204	2.083	17.9	18.8

208973 2002 XL_{100} 3 30.5 178.°12 3.°2/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.31	−17 16.3	2.597	3.324	13.1	20.8
3 2	12 55.46	−17 13.8	2.496	3.325	10.8	20.7
3 12	12 49.87	−16 55.3	2.418	3.326	8.2	20.5
3 22	12 42.99	−16 21.1	2.365	3.326	5.4	20.3
4 1	12 35.44	−15 33.4	2.340	3.326	3.3	20.2
4 11	12 27.98	−14 36.4	2.345	3.326	4.2	20.2
4 21	12 21.31	−13 35.1	2.378	3.326	6.8	20.4
5 1	12 16.02	−12 35.2	2.438	3.325	9.6	20.6

124851 2001 TH_{18} 3 30.5 113.°29 2.°3/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.18	− 0 27.5	1.595	2.402	16.8	20.4
3 2	13 2.36	+ 0 1.7	1.526	2.416	13.0	20.2
3 12	12 54.85	+ 0 41.3	1.478	2.430	8.6	20.0
3 22	12 45.38	+ 1 25.8	1.456	2.443	4.1	19.7
4 1	12 35.03	+ 2 8.4	1.461	2.456	2.8	19.7
4 11	12 25.07	+ 2 42.3	1.493	2.468	6.9	19.9
4 21	12 16.61	+ 3 2.5	1.552	2.480	11.3	20.2
5 1	12 10.44	+ 3 6.3	1.632	2.491	15.0	20.5

225524 2000 RA_{26} 3 30.5 122.°59 2.°8/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.85	−15 56.6	2.323	3.059	14.2	21.2
3 2	12 57.49	−15 43.2	2.239	3.076	11.6	21.0
3 12	12 51.23	−15 12.4	2.177	3.093	8.5	20.8
3 22	12 43.60	−14 25.5	2.141	3.109	5.3	20.7
4 1	12 35.35	−13 25.5	2.134	3.124	2.9	20.5
4 11	12 27.32	−12 18.1	2.155	3.139	4.2	20.6
4 21	12 20.28	−11 9.1	2.206	3.153	7.3	20.8
5 1	12 14.83	−10 4.7	2.283	3.167	10.3	21.1

300018 2006 UZ_{79} 3 30.5 114.°68 0.°5/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.87	− 9 10.3	2.430	3.205	12.6	21.6
3 2	12 53.57	− 8 31.4	2.340	3.209	10.0	21.4
3 12	12 48.59	− 7 38.6	2.274	3.214	6.8	21.2
3 22	12 42.38	− 6 34.8	2.235	3.219	3.4	21.0
4 1	12 35.57	− 5 24.7	2.224	3.223	0.6	20.8
4 11	12 28.90	− 4 14.0	2.243	3.227	4.0	21.1
4 21	12 23.05	− 3 8.1	2.290	3.232	7.4	21.3
5 1	12 18.57	− 2 12.0	2.364	3.236	10.5	21.5

145209 2005 JY_{38} 3 30.5 262.°99 0.°5/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.76	− 4 36.8	2.569	3.351	11.8	21.6
3 2	12 55.89	− 4 9.6	2.453	3.329	9.3	21.4
3 12	12 50.25	− 3 32.0	2.361	3.306	6.3	21.1
3 22	12 43.22	− 2 46.6	2.297	3.283	2.9	20.9
4 1	12 35.41	− 1 57.3	2.261	3.260	0.9	20.7
4 11	12 27.56	− 1 9.0	2.256	3.236	4.5	20.9
4 21	12 20.39	− 0 26.4	2.279	3.211	8.0	21.1
5 1	12 14.55	+ 0 6.7	2.328	3.186	11.1	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
379209	2009 SD_{124}		3 30.5	255.°79	1.°9/31.9	17
	h m	° ′			°	m
2 21	13 6.67	− 8 40.4	1.948	2.719	15.5	21.0
3 2	13 1.94	− 9 5.2	1.844	2.707	12.5	20.7
3 12	12 54.70	− 9 17.9	1.760	2.695	8.9	20.5
3 22	12 45.43	− 9 19.1	1.702	2.682	4.9	20.2
4 1	12 35.00	− 9 10.6	1.672	2.669	1.9	20.0
4 11	12 24.52	− 8 56.2	1.671	2.656	5.0	20.2
4 21	12 15.07	− 8 40.6	1.697	2.643	9.2	20.4
5 1	12 7.58	− 8 28.7	1.748	2.629	13.1	20.6
376531	2012 RA_{33}		3 30.5	244.°97	3.°1/ 5.7	18
2 21	12 54.44	−22 15.9	4.857	5.528	8.0	21.1
3 2	12 50.92	−22 32.2	4.741	5.521	6.8	21.0
3 12	12 46.45	−22 39.0	4.647	5.514	5.5	20.9
3 22	12 41.29	−22 36.2	4.580	5.507	4.2	20.8
4 1	12 35.77	−22 24.3	4.541	5.501	3.2	20.7
4 11	12 30.26	−22 4.8	4.532	5.494	3.2	20.7
4 21	12 25.11	−21 39.7	4.552	5.487	4.2	20.8
5 1	12 20.66	−21 11.2	4.600	5.480	5.6	20.9
83672	2001 TD_{35}		3 30.5	269.°07	0.°9/29.7	18
2 21	13 4.18	− 2 47.9	1.929	2.724	14.7	18.4
3 2	13 0.00	− 2 37.2	1.822	2.705	11.6	18.2
3 12	12 53.38	− 2 16.1	1.738	2.686	7.9	17.9
3 22	12 44.82	− 1 47.5	1.679	2.666	3.7	17.6
4 1	12 35.11	− 1 15.9	1.648	2.646	1.4	17.4
4 11	12 25.35	− 0 47.0	1.646	2.626	5.8	17.6
4 21	12 16.58	− 0 25.8	1.670	2.605	10.1	17.8
5 1	12 9.69	− 0 16.4	1.719	2.585	14.0	18.0
58132	1981 EW_{39}		3 30.5	286.°50	1.°1/31.6	17
2 21	13 1.27	− 8 3.9	2.328	3.100	13.2	19.9
3 2	12 57.22	− 8 11.8	2.224	3.090	10.5	19.7
3 12	12 51.21	− 8 8.8	2.143	3.080	7.4	19.4
3 22	12 43.68	− 7 56.2	2.088	3.070	3.9	19.2
4 1	12 35.33	− 7 36.3	2.062	3.060	1.1	19.0
4 11	12 27.01	− 7 13.2	2.064	3.050	4.2	19.2
4 21	12 19.51	− 6 50.9	2.095	3.040	7.8	19.4
5 1	12 13.53	− 6 33.6	2.151	3.030	11.1	19.6
92437	2000 JZ_{80}		3 30.5	292.°26	5.°8/ 3.3	18
2 21	13 2.73	−16 34.8	1.440	2.210	20.0	19.4
3 2	12 59.98	−17 19.9	1.337	2.191	16.9	19.1
3 12	12 54.06	−17 43.8	1.252	2.172	13.1	18.8
3 22	12 45.39	−17 43.0	1.188	2.153	9.0	18.5
4 1	12 34.99	−17 17.1	1.148	2.134	6.0	18.3
4 11	12 24.34	−16 30.1	1.133	2.115	7.3	18.3
4 21	12 14.97	−15 30.3	1.141	2.097	11.6	18.5
5 1	12 8.20	−14 28.4	1.172	2.078	16.2	18.7
45368	2000 AU_{109}		3 30.5	236.°04	4.°0/ 3.6	18
2 21	13 2.42	−18 30.8	2.165	2.893	15.4	19.7
3 2	12 58.46	−18 29.2	2.050	2.878	12.9	19.5
3 12	12 52.26	−18 7.2	1.956	2.862	9.9	19.3
3 22	12 44.26	−17 24.4	1.885	2.845	6.6	19.0
4 1	12 35.22	−16 22.3	1.843	2.828	4.2	18.9
4 11	12 26.13	−15 5.9	1.828	2.810	5.1	18.9
4 21	12 17.95	−13 42.4	1.842	2.791	8.4	19.0
5 1	12 11.51	−12 19.9	1.882	2.771	11.9	19.2
261214	2005 UO_7		3 30.5	229.°13	10.°4/ 6.4	17
2 21	13 13.99	−27 52.4	1.977	2.634	18.6	20.3
3 2	13 8.30	−29 49.8	1.877	2.631	16.6	20.2
3 12	12 59.45	−31 29.3	1.795	2.628	14.3	20.0
3 22	12 47.87	−32 44.0	1.736	2.625	12.1	19.8
4 1	12 34.55	−33 28.2	1.702	2.621	10.6	19.7
4 11	12 20.91	−33 40.7	1.694	2.618	10.6	19.7
4 21	12 8.43	−33 25.0	1.711	2.614	12.0	19.8
5 1	11 58.39	−32 49.2	1.752	2.610	14.2	19.9
493574	2015 KB_{139}		3 30.5	273.°09	4.°5/25.5	17
2 21	13 0.79	+ 9 0.2	2.369	3.182	11.8	21.1
3 2	12 56.70	+ 9 43.4	2.282	3.173	9.2	20.9
3 12	12 50.75	+10 28.2	2.218	3.164	6.6	20.7
3 22	12 43.42	+11 9.5	2.182	3.155	4.7	20.6
4 1	12 35.40	+11 41.8	2.174	3.146	5.1	20.6
4 11	12 27.49	+12 0.4	2.195	3.137	7.5	20.7
4 21	12 20.46	+12 2.9	2.241	3.128	10.2	20.9
5 1	12 14.91	+11 48.5	2.311	3.119	12.9	21.0
414174	2008 AK_{135}		3 30.5	36.°96	2.°5/28.8	18
2 21	13 4.94	+ 0 44.5	1.494	2.313	17.1	20.7
3 2	13 0.91	+ 0 59.4	1.420	2.317	13.4	20.5
3 12	12 54.07	+ 1 23.2	1.368	2.322	8.9	20.2
3 22	12 45.10	+ 1 50.8	1.340	2.327	4.3	20.0
4 1	12 35.12	+ 2 16.0	1.338	2.333	3.0	19.9
4 11	12 25.44	+ 2 32.3	1.362	2.338	7.3	20.1
4 21	12 17.26	+ 2 35.3	1.411	2.344	11.8	20.4
5 1	12 11.44	+ 2 22.6	1.482	2.350	15.7	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
107732	2001 FK_{28}		3 30.5	304.°40	2.°5/28.6	18
	h m	° ′			°	m
2 21	13 0.61	− 0 48.0	1.484	2.308	17.0	19.4
3 2	12 57.85	− 0 15.3	1.391	2.291	13.3	19.1
3 12	12 52.27	+ 0 30.8	1.319	2.274	9.0	18.8
3 22	12 44.40	+ 1 25.0	1.270	2.258	4.3	18.5
4 1	12 35.21	+ 2 19.6	1.246	2.241	3.1	18.3
4 11	12 26.03	+ 3 6.0	1.249	2.225	7.7	18.6
4 21	12 18.11	+ 3 37.0	1.275	2.210	12.6	18.8
5 1	12 12.49	+ 3 48.1	1.323	2.194	17.1	19.0
128696	2004 RV_{97}		3 30.5	279.°47	1.°2/31.6	17
2 21	12 59.53	− 9 55.0	1.869	2.653	15.6	20.4
3 2	12 56.39	− 9 38.6	1.769	2.641	12.5	20.2
3 12	12 50.93	− 9 4.9	1.690	2.630	8.8	19.9
3 22	12 43.65	− 8 15.8	1.636	2.619	4.6	19.7
4 1	12 35.36	− 7 15.8	1.609	2.607	1.2	19.4
4 11	12 27.10	− 6 11.4	1.610	2.596	5.0	19.6
4 21	12 19.87	− 5 9.9	1.637	2.584	9.3	19.9
5 1	12 14.48	− 4 17.9	1.688	2.573	13.3	20.1
286220	2001 UW_{114}		3 30.5	210.°03	1.°0/31.4	17
2 21	13 2.97	−10 14.9	1.810	2.587	16.2	21.6
3 2	12 59.12	− 9 45.7	1.713	2.582	13.0	21.4
3 12	12 52.80	− 8 57.3	1.637	2.576	9.1	21.1
3 22	12 44.53	− 7 52.1	1.586	2.569	4.7	20.9
4 1	12 35.21	− 6 35.4	1.563	2.562	1.0	20.6
4 11	12 25.98	− 5 15.0	1.568	2.554	5.2	20.8
4 21	12 17.88	− 3 59.3	1.600	2.545	9.8	21.1
5 1	12 11.77	− 2 55.6	1.657	2.535	13.8	21.3
519678	2013 AR_5		3 30.5	327.°93	4.°0/ 4.1	17
2 21	12 58.56	−18 34.6	2.364	3.092	14.2	21.5
3 2	12 55.13	−18 44.2	2.265	3.092	11.9	21.3
3 12	12 49.79	−18 36.2	2.187	3.091	9.1	21.2
3 22	12 43.02	−18 10.6	2.134	3.090	6.3	21.0
4 1	12 35.49	−17 28.9	2.108	3.089	4.2	20.8
4 11	12 28.05	−16 35.4	2.109	3.089	4.8	20.9
4 21	12 21.46	−15 35.4	2.139	3.088	7.4	21.0
5 1	12 16.38	−14 35.2	2.194	3.087	10.3	21.2
497311	2005 TN_{62}		3 30.5	221.°45	1.°2/29.3	17
2 21	13 3.56	− 2 28.1	2.445	3.229	12.3	24.3
3 2	12 58.87	− 1 58.9	2.340	3.217	9.6	24.1
3 12	12 52.26	− 1 20.4	2.258	3.204	6.5	23.9
3 22	12 44.17	− 0 35.8	2.204	3.191	3.0	23.6
4 1	12 35.29	+ 0 10.5	2.180	3.177	1.6	23.5
4 11	12 26.43	+ 0 53.4	2.186	3.162	5.0	23.7
4 21	12 18.38	+ 1 28.5	2.221	3.146	8.5	23.9
5 1	12 11.80	+ 1 52.3	2.281	3.130	11.7	24.1
182522	2001 SZ_{337}		3 30.5	212.°66	0.°4/31.4	18
2 21	12 52.04	− 7 43.3	4.880	5.639	6.9	21.1
3 2	12 48.99	− 7 29.9	4.776	5.636	5.4	21.0
3 12	12 45.12	− 7 10.6	4.697	5.633	3.7	20.9
3 22	12 40.67	− 6 46.9	4.648	5.630	1.9	20.7
4 1	12 35.93	− 6 20.2	4.628	5.627	0.4	20.6
4 11	12 31.23	− 5 52.7	4.639	5.623	2.1	20.7
4 21	12 26.88	− 5 26.3	4.681	5.620	4.0	20.9
5 1	12 23.17	− 5 2.9	4.750	5.617	5.7	21.0
90190	2003 AB_{41}		3 30.5	336.°14	3.°9/25.9	18
2 21	12 56.28	+ 3 42.3	2.052	2.874	13.0	19.3
3 2	12 53.48	+ 4 52.7	1.970	2.870	10.0	19.1
3 12	12 48.73	+ 6 10.9	1.911	2.865	6.8	18.9
3 22	12 42.53	+ 7 30.4	1.879	2.861	4.2	18.7
4 1	12 35.59	+ 8 43.8	1.875	2.857	4.6	18.7
4 11	12 28.80	+ 9 44.2	1.899	2.853	7.5	18.9
4 21	12 22.94	+10 26.8	1.948	2.850	10.8	19.1
5 1	12 18.65	+10 49.2	2.019	2.847	13.8	19.3
493395	2014 WB_{162}		3 30.5	116.°22	1.°7/ 1.2	18
2 21	13 3.22	−10 44.8	2.035	2.802	15.0	21.3
3 2	12 58.85	−10 41.3	1.953	2.814	12.0	21.1
3 12	12 52.31	−10 22.6	1.893	2.826	8.5	20.9
3 22	12 44.19	− 9 50.4	1.858	2.837	4.6	20.7
4 1	12 35.31	− 9 8.2	1.851	2.848	1.7	20.5
4 11	12 26.65	− 8 21.5	1.874	2.859	4.5	20.7
4 21	12 19.10	− 7 36.1	1.923	2.870	8.2	21.0
5 1	12 13.33	− 6 57.1	1.998	2.880	11.7	21.2
465705	2009 TN_{35}		3 30.5	186.°19	1.°9/28.4	17
2 21	13 2.91	− 0 1.0	2.575	3.364	11.6	22.9
3 2	12 58.14	+ 0 36.2	2.482	3.363	9.0	22.7
3 12	12 51.63	+ 1 20.7	2.415	3.363	6.0	22.5
3 22	12 43.82	+ 2 8.7	2.375	3.361	2.9	22.3
4 1	12 35.37	+ 2 55.5	2.366	3.359	2.3	22.3
4 11	12 27.04	+ 3 36.4	2.386	3.355	5.2	22.4
4 21	12 19.53	+ 4 7.7	2.436	3.352	8.3	22.6
5 1	12 13.42	+ 4 26.8	2.510	3.347	11.1	22.8

170074 2002 VC_{132} 3 30.5 106.°24 0.°8/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.82	− 3 28.0	2.468	3.253	12.2	21.8
3 2	12 56.48	− 2 58.9	2.393	3.271	9.4	21.6
3 12	12 50.45	− 2 20.9	2.342	3.288	6.2	21.4
3 22	12 43.23	− 1 37.4	2.318	3.305	2.8	21.2
4 1	12 35.49	− 0 52.7	2.324	3.322	1.2	21.1
4 11	12 27.98	− 0 11.4	2.360	3.338	4.5	21.4
4 21	12 21.37	+ 0 22.5	2.424	3.354	7.7	21.6
5 1	12 16.17	+ 0 46.1	2.514	3.370	10.5	21.8

184521 2005 QJ_{16} 3 30.5 143.°35 1.°3/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.51	− 2 26.2	2.700	3.491	11.1	21.1
3 2	12 53.86	− 1 42.8	2.614	3.496	8.6	20.9
3 12	12 48.69	− 0 51.0	2.553	3.502	5.7	20.7
3 22	12 42.42	+ 0 5.7	2.520	3.507	2.6	20.5
4 1	12 35.64	+ 1 2.8	2.517	3.512	1.6	20.4
4 11	12 28.99	+ 1 55.5	2.543	3.517	4.5	20.7
4 21	12 23.08	+ 2 39.7	2.598	3.522	7.5	20.8
5 1	12 18.41	+ 3 12.6	2.678	3.526	10.2	21.0

499160 2009 SL_{50} 3 30.5 208.°94 5.°0/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.93	−19 50.7	2.428	3.130	14.5	23.0
3 2	13 1.75	−20 28.8	2.317	3.123	12.3	22.8
3 12	12 54.37	−20 51.1	2.228	3.116	9.7	22.6
3 22	12 45.24	−20 55.7	2.163	3.108	7.0	22.5
4 1	12 35.12	−20 42.5	2.127	3.099	5.2	22.3
4 11	12 24.94	−20 13.9	2.119	3.089	5.6	22.3
4 21	12 15.64	−19 34.5	2.140	3.079	8.0	22.5
5 1	12 7.99	−18 50.2	2.188	3.068	10.8	22.6

466471 2013 TU_{133} 3 30.5 245.°85 2.°1/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.99	+ 1 25.4	2.061	2.856	13.9	21.7
3 2	13 1.95	+ 1 36.1	1.959	2.843	10.9	21.5
3 12	12 54.56	+ 1 53.2	1.881	2.830	7.4	21.3
3 22	12 45.34	+ 2 12.8	1.830	2.816	3.6	21.0
4 1	12 35.11	+ 2 30.3	1.807	2.801	2.6	20.9
4 11	12 24.91	+ 2 41.1	1.814	2.787	6.2	21.1
4 21	12 15.72	+ 2 41.6	1.848	2.771	10.1	21.3
5 1	12 8.37	+ 2 29.5	1.907	2.756	13.6	21.5

479701 2014 DB_{116} 3 30.5 296.°42 1.°6/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.01	− 9 22.3	2.383	3.149	13.1	21.2
3 2	12 56.98	− 9 34.4	2.280	3.141	10.5	21.0
3 12	12 51.04	− 9 35.1	2.200	3.133	7.5	20.8
3 22	12 43.63	− 9 25.6	2.146	3.125	4.1	20.6
4 1	12 35.42	− 9 7.9	2.120	3.117	1.6	20.4
4 11	12 27.25	− 8 45.7	2.124	3.109	4.1	20.6
4 21	12 19.89	− 8 23.0	2.155	3.101	7.5	20.8
5 1	12 14.01	− 8 4.0	2.213	3.094	10.7	21.0

2143 Jimarnold 3 30.5 176.°97 0.°6/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.56	− 3 56.2	2.026	2.808	14.6	18.2
3 2	13 2.28	− 3 38.6	1.936	2.811	11.4	18.0
3 12	12 54.69	− 3 10.0	1.869	2.813	7.7	17.8
3 22	12 45.35	− 2 33.6	1.828	2.815	3.6	17.5
4 1	12 35.13	− 1 54.0	1.817	2.815	1.1	17.3
4 11	12 25.07	− 1 16.9	1.835	2.815	5.3	17.6
4 21	12 16.14	− 0 47.1	1.881	2.813	9.4	17.8
5 1	12 9.09	− 0 28.5	1.952	2.811	12.9	18.1

495281 2013 RU_{50} 3 30.5 153.°33 2.°3/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.36	−12 50.3	2.347	3.095	13.8	21.8
3 2	12 58.73	−12 52.5	2.256	3.103	11.2	21.6
3 12	12 52.15	−12 40.1	2.186	3.110	8.1	21.4
3 22	12 44.11	−12 14.3	2.143	3.116	4.8	21.2
4 1	12 35.35	−11 37.5	2.128	3.122	2.3	21.1
4 11	12 26.74	−10 54.1	2.143	3.127	4.2	21.2
4 21	12 19.06	−10 9.2	2.186	3.132	7.4	21.4
5 1	12 12.97	− 9 28.0	2.256	3.137	10.6	21.6

104472 2000 GF_{17} 3 30.5 64.°91 0.°7/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.13	− 4 50.4	2.024	2.820	14.1	19.9
3 2	12 55.66	− 4 17.9	1.944	2.828	11.0	19.7
3 12	12 50.17	− 3 33.1	1.886	2.835	7.3	19.5
3 22	12 43.20	− 2 39.8	1.855	2.842	3.3	19.2
4 1	12 35.52	− 1 43.5	1.852	2.850	1.1	19.1
4 11	12 28.06	− 0 50.3	1.877	2.858	5.1	19.4
4 21	12 21.61	− 0 5.7	1.929	2.865	8.9	19.6
5 1	12 16.82	+ 0 26.4	2.005	2.873	12.2	19.8

197623 2004 JY_{41} 3 30.5 313.°41 0.°4/30.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 55.75	− 7 41.1	1.195	2.025	19.9	20.5
3 2	12 54.74	− 7 2.4	1.103	2.005	15.9	20.2
3 12	12 50.59	− 5 57.4	1.030	1.985	11.0	19.8
3 22	12 43.79	− 4 29.5	0.978	1.966	5.2	19.4
4 1	12 35.39	− 2 47.4	0.949	1.948	1.2	19.1
4 11	12 26.91	− 1 4.5	0.944	1.930	7.6	19.4
4 21	12 19.88	+ 0 25.8	0.962	1.913	13.7	19.7
5 1	12 15.51	+ 1 33.0	0.999	1.897	19.1	20.0

272824 2006 AG_{85} 3 30.5 57.°33 3.°1/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.23	−11 4.4	1.764	2.532	16.9	20.2
3 2	13 2.36	−11 46.4	1.686	2.545	13.7	20.0
3 12	12 54.90	−12 13.8	1.629	2.558	9.9	19.7
3 22	12 45.50	−12 26.5	1.597	2.571	5.9	19.5
4 1	12 35.13	−12 25.8	1.591	2.584	3.1	19.4
4 11	12 25.02	−12 15.6	1.614	2.598	5.3	19.5
4 21	12 16.24	−12 1.0	1.663	2.612	9.1	19.8
5 1	12 9.63	−11 47.5	1.736	2.625	12.8	20.0

345645 2006 SC_{385} 3 30.5 131.°77 5.°1/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.28	+10 40.7	2.431	3.247	11.4	20.7
3 2	12 55.42	+11 43.6	2.360	3.251	9.0	20.5
3 12	12 49.83	+12 47.2	2.313	3.255	6.6	20.4
3 22	12 42.99	+13 45.7	2.293	3.258	5.2	20.3
4 1	12 35.58	+14 33.0	2.301	3.262	5.8	20.3
4 11	12 28.37	+15 4.8	2.338	3.265	7.9	20.5
4 21	12 22.02	+15 18.6	2.400	3.269	10.3	20.6
5 1	12 17.10	+15 13.9	2.484	3.272	12.6	20.8

93206 2000 SS_{122} 3 30.5 179.°75 1.°5/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.23	− 2 21.1	2.177	2.973	13.3	20.8
3 2	12 57.19	− 1 42.5	2.089	2.974	10.3	20.6
3 12	12 51.17	− 0 53.5	2.025	2.974	6.9	20.4
3 22	12 43.68	+ 0 1.6	1.987	2.975	3.2	20.2
4 1	12 35.46	+ 0 57.5	1.978	2.974	1.9	20.1
4 11	12 27.39	+ 1 48.3	1.999	2.974	5.4	20.3
4 21	12 20.27	+ 2 29.0	2.046	2.973	9.0	20.5
5 1	12 14.75	+ 2 56.2	2.118	2.972	12.3	20.7

505294 2012 WJ_{12} 3 30.5 101.°04 2.°4/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.03	−15 2.9	2.455	3.201	13.3	21.8
3 2	12 54.51	−14 47.4	2.366	3.210	10.8	21.6
3 12	12 49.26	−14 15.8	2.299	3.219	7.9	21.4
3 22	12 42.75	−13 29.4	2.258	3.228	4.8	21.2
4 1	12 35.64	−12 31.4	2.244	3.237	2.5	21.1
4 11	12 28.68	−11 26.7	2.260	3.245	3.9	21.2
4 21	12 22.57	−10 21.1	2.305	3.254	6.9	21.4
5 1	12 17.87	− 9 19.9	2.375	3.262	9.8	21.6

430875 2005 QS_{60} 3 30.5 251.°73 1.°9/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.83	− 1 41.8	2.717	3.511	10.9	21.3
3 2	12 53.48	− 0 36.5	2.610	3.495	8.5	21.1
3 12	12 48.56	+ 0 39.1	2.528	3.478	5.6	20.9
3 22	12 42.44	+ 2 0.7	2.474	3.461	2.7	20.7
4 1	12 35.69	+ 3 23.0	2.451	3.444	2.3	20.6
4 11	12 28.95	+ 4 40.0	2.458	3.426	5.2	20.8
4 21	12 22.87	+ 5 46.7	2.494	3.407	8.2	20.9
5 1	12 17.98	+ 6 39.4	2.555	3.389	11.0	21.1

273038 2006 DK_{128} 3 30.5 316.°99 1.°5/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.98	− 1 52.1	1.895	2.700	14.6	20.9
3 2	12 57.34	− 1 26.5	1.808	2.697	11.4	20.6
3 12	12 51.46	− 0 50.6	1.743	2.695	7.6	20.4
3 22	12 43.88	− 0 8.2	1.704	2.692	3.5	20.1
4 1	12 35.44	+ 0 35.0	1.693	2.690	2.0	20.0
4 11	12 27.14	+ 1 12.9	1.710	2.687	5.9	20.3
4 21	12 19.91	+ 1 40.5	1.753	2.685	9.9	20.5
5 1	12 14.51	+ 1 54.2	1.819	2.683	13.5	20.7

51394 2001 DX_{49} 3 30.5 298.°25 8.°1/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.26	+11 28.2	1.499	2.335	16.2	18.7
3 2	12 59.27	+12 46.8	1.408	2.310	13.1	18.4
3 12	12 53.33	+14 9.7	1.339	2.285	10.0	18.2
3 22	12 44.98	+15 26.8	1.293	2.260	8.2	18.0
4 1	12 35.22	+16 26.4	1.273	2.235	9.2	18.0
4 11	12 25.42	+16 59.1	1.277	2.210	12.5	18.1
4 21	12 16.92	+17 0.2	1.302	2.185	16.4	18.3
5 1	12 10.79	+16 29.4	1.346	2.160	20.0	18.4

456631 2007 PN_{11} 3 30.5 251.°43 4.°7/ 3.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.67	−16 12.7	1.827	2.571	17.3	21.9
3 2	13 2.39	−16 46.4	1.714	2.553	14.5	21.6
3 12	12 55.32	−17 2.0	1.622	2.534	11.1	21.4
3 22	12 45.92	−16 57.5	1.552	2.515	7.5	21.1
4 1	12 35.05	−16 33.2	1.509	2.495	4.8	20.9
4 11	12 23.97	−15 52.5	1.494	2.474	6.2	20.9
4 21	12 13.95	−15 1.9	1.505	2.453	10.0	21.1
5 1	12 6.06	−14 9.6	1.540	2.431	14.0	21.3

244006 2001 SB_{66} 3 30.5 77.°48 1.°5/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.79	−15 21.3	2.343	3.091	13.8	20.1
3 2	12 54.27	−14 14.9	2.266	3.114	11.1	19.9
3 12	12 49.03	−12 49.2	2.211	3.137	7.9	19.8
3 22	12 42.61	−11 7.7	2.183	3.160	4.4	19.6
4 1	12 35.69	− 9 16.3	2.186	3.182	1.6	19.4
4 11	12 29.04	− 7 22.6	2.219	3.205	3.8	19.6
4 21	12 23.33	− 5 34.2	2.281	3.227	7.2	19.9
5 1	12 19.07	− 3 57.3	2.371	3.249	10.2	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
234141	2000 EJ_9		3 30.5	65.°31	2.°8/28.3	18
	h m	° ′			°	m
2 21	13 1.57	− 2 7.8	1.306	2.134	18.6	20.4
3 2	12 58.62	− 1 9.6	1.240	2.142	14.5	20.1
3 12	12 52.70	+ 0 5.2	1.193	2.150	9.6	19.9
3 22	12 44.55	+ 1 29.0	1.170	2.159	4.6	19.6
4 1	12 35.34	+ 2 51.3	1.173	2.167	3.5	19.6
4 11	12 26.51	+ 4 1.4	1.200	2.176	8.1	19.9
4 21	12 19.29	+ 4 51.4	1.252	2.185	13.0	20.1
5 1	12 14.57	+ 5 17.4	1.324	2.193	17.2	20.4
329069	2011 BV_7		3 30.5	194.°81	2.°3/28.2	17
2 21	13 1.55	− 0 33.2	2.018	2.822	13.9	21.5
3 2	12 57.62	+ 0 12.8	1.931	2.820	10.8	21.3
3 12	12 51.57	+ 1 8.9	1.867	2.819	7.2	21.0
3 22	12 43.91	+ 2 10.3	1.830	2.817	3.5	20.8
4 1	12 35.45	+ 3 10.4	1.821	2.814	2.8	20.7
4 11	12 27.13	+ 4 2.9	1.841	2.812	6.3	21.0
4 21	12 19.83	+ 4 42.4	1.887	2.808	10.0	21.2
5 1	12 14.27	+ 5 5.8	1.957	2.805	13.3	21.4
212678	2006 VX_{59}		3 30.5	197.°32	1.°5/28.8	17
2 21	12 58.47	− 1 28.5	2.428	3.225	12.0	21.0
3 2	12 54.85	− 0 54.5	2.339	3.225	9.3	20.8
3 12	12 49.49	− 0 12.1	2.274	3.224	6.2	20.6
3 22	12 42.87	+ 0 35.1	2.237	3.224	2.9	20.4
4 1	12 35.63	+ 1 22.3	2.228	3.223	1.9	20.3
4 11	12 28.51	+ 2 4.6	2.249	3.223	5.0	20.5
4 21	12 22.21	+ 2 37.9	2.297	3.222	8.2	20.7
5 1	12 17.28	+ 2 59.3	2.369	3.222	11.2	20.9
266621	2008 PY_{16}		3 30.5	313.°28	5.°7/ 3.0	17
2 21	13 4.62	−15 20.6	1.631	2.393	18.4	20.6
3 2	13 1.12	−16 26.9	1.525	2.374	15.5	20.3
3 12	12 54.67	−17 17.7	1.439	2.355	12.0	20.1
3 22	12 45.68	−17 50.0	1.375	2.337	8.3	19.8
4 1	12 35.10	−18 2.2	1.336	2.319	5.8	19.6
4 11	12 24.25	−17 56.3	1.322	2.301	7.1	19.6
4 21	12 14.53	−17 37.2	1.334	2.284	10.8	19.8
5 1	12 7.15	−17 12.5	1.369	2.268	14.8	20.0
322487	2011 UN_{253}		3 30.5	161.°33	0.°8/29.8	18
2 21	13 3.93	− 5 15.2	1.897	2.687	15.1	21.7
3 2	12 59.58	− 4 34.5	1.814	2.693	11.8	21.5
3 12	12 52.92	− 3 39.4	1.752	2.699	8.0	21.2
3 22	12 44.55	− 2 34.4	1.717	2.704	3.6	21.0
4 1	12 35.34	− 1 25.6	1.710	2.708	1.3	20.8
4 11	12 26.34	− 0 20.3	1.732	2.712	5.6	21.1
4 21	12 18.50	+ 0 34.9	1.782	2.715	9.7	21.4
5 1	12 12.56	+ 1 15.5	1.855	2.717	13.3	21.6
310011	2009 KV_8		3 30.5	207.°89	4.°3/24.6	18
2 21	12 57.60	+ 8 21.8	2.631	3.445	10.7	21.6
3 2	12 54.04	+ 9 27.3	2.550	3.443	8.3	21.4
3 12	12 48.88	+10 35.4	2.495	3.441	6.0	21.2
3 22	12 42.57	+11 40.8	2.467	3.438	4.4	21.1
4 1	12 35.69	+12 37.9	2.468	3.435	4.9	21.2
4 11	12 28.94	+13 21.8	2.497	3.432	7.1	21.3
4 21	12 22.94	+13 49.7	2.553	3.429	9.5	21.4
5 1	12 18.21	+14 0.3	2.632	3.426	11.9	21.6
371140	2005 WR_{134}		3 30.5	181.°95	4.°0/26.0	17
2 21	13 1.85	+ 5 40.8	2.272	3.081	12.3	21.8
3 2	12 57.57	+ 6 39.6	2.191	3.082	9.6	21.6
3 12	12 51.38	+ 7 43.3	2.134	3.082	6.6	21.4
3 22	12 43.77	+ 8 45.9	2.104	3.082	4.3	21.2
4 1	12 35.48	+ 9 41.3	2.103	3.081	4.6	21.3
4 11	12 27.36	+10 24.0	2.131	3.080	7.2	21.4
4 21	12 20.18	+10 50.3	2.185	3.078	10.2	21.6
5 1	12 14.55	+10 58.7	2.263	3.076	12.9	21.8
166964	2003 NK_3		3 30.5	240.°03	4.°6/26.3	16
2 21	13 2.23	+ 3 38.6	1.716	2.537	15.2	20.4
3 2	12 58.65	+ 4 48.9	1.628	2.527	11.8	20.2
3 12	12 52.55	+ 6 9.3	1.563	2.516	8.1	19.9
3 22	12 44.47	+ 7 32.3	1.524	2.506	5.0	19.7
4 1	12 35.35	+ 8 48.5	1.512	2.495	5.3	19.7
4 11	12 26.32	+ 9 49.4	1.527	2.483	8.8	19.9
4 21	12 18.47	+10 29.0	1.566	2.471	12.8	20.1
5 1	12 12.66	+10 44.6	1.627	2.459	16.4	20.3
210167	2006 SF_{383}		3 30.5	182.°06	1.°2/28.9	17
2 21	12 57.01	− 4 2.3	2.652	3.440	11.3	21.5
3 2	12 53.57	− 3 2.4	2.560	3.441	8.8	21.3
3 12	12 48.56	− 1 51.6	2.492	3.441	5.8	21.1
3 22	12 42.42	− 0 34.1	2.453	3.441	2.6	20.9
4 1	12 35.72	+ 0 44.9	2.444	3.440	1.6	20.8
4 11	12 29.13	+ 1 59.8	2.465	3.439	4.6	21.0
4 21	12 23.27	+ 3 5.6	2.515	3.438	7.7	21.2
5 1	12 18.65	+ 3 58.5	2.590	3.437	10.5	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
367766	2010 WS_{13}		3 30.5	259.°24	1.°1/31.5	17
	h m	° ′			°	m
2 21	13 1.68	− 9 5.2	1.788	2.574	16.1	21.5
3 2	12 58.22	− 8 52.6	1.689	2.563	12.9	21.2
3 12	12 52.28	− 8 23.1	1.611	2.551	9.0	21.0
3 22	12 44.38	− 7 38.5	1.557	2.540	4.7	20.7
4 1	12 35.37	− 6 43.3	1.530	2.528	1.1	20.4
4 11	12 26.37	− 5 44.3	1.530	2.516	5.2	20.7
4 21	12 18.47	− 4 48.6	1.557	2.504	9.8	20.9
5 1	12 12.54	− 4 3.0	1.608	2.492	13.9	21.1
305792	2009 DV_{75}		3 30.5	89.°15	1.°8/29.0	18
2 21	13 2.17	− 3 6.6	1.503	2.317	17.3	21.5
3 2	12 58.78	− 2 24.6	1.428	2.322	13.5	21.3
3 12	12 52.67	− 1 27.6	1.374	2.327	9.0	21.0
3 22	12 44.52	− 0 21.1	1.344	2.332	4.1	20.8
4 1	12 35.36	+ 0 46.8	1.341	2.337	2.4	20.6
4 11	12 26.49	+ 1 47.2	1.364	2.342	7.0	20.9
4 21	12 19.02	+ 2 33.0	1.412	2.347	11.6	21.2
5 1	12 13.82	+ 2 59.7	1.482	2.352	15.6	21.5
45257	1999 YC_{14}		3 30.5	126.°80	1.°1/29.4	17
2 21	12 59.76	− 3 32.1	2.155	2.951	13.4	19.7
3 2	12 56.05	− 2 55.6	2.072	2.956	10.4	19.5
3 12	12 50.40	− 2 8.1	2.011	2.960	6.9	19.3
3 22	12 43.33	− 1 13.6	1.977	2.965	3.2	19.1
4 1	12 35.58	− 0 17.3	1.972	2.969	1.5	18.9
4 11	12 27.99	+ 0 34.8	1.996	2.974	5.1	19.2
4 21	12 21.36	+ 1 17.6	2.046	2.978	8.8	19.4
5 1	12 16.32	+ 1 47.6	2.122	2.982	12.0	19.6
421219	2013 SH_{31}		3 30.5	147.°12	4.°8/24.9	18
2 21	13 0.84	+ 7 42.0	2.225	3.040	12.4	21.0
3 2	12 56.78	+ 8 56.1	2.154	3.047	9.6	20.8
3 12	12 50.82	+10 13.6	2.107	3.054	6.8	20.7
3 22	12 43.50	+11 28.0	2.088	3.061	4.9	20.5
4 1	12 35.55	+12 32.2	2.098	3.067	5.5	20.6
4 11	12 27.82	+13 20.7	2.135	3.073	7.9	20.7
4 21	12 21.06	+13 50.1	2.199	3.078	10.7	20.9
5 1	12 15.87	+13 59.5	2.285	3.083	13.3	21.1
209557	2004 WJ_{12}		3 30.5	43.°49	3.°2/ 1.8	18
2 21	13 3.33	−11 53.2	1.251	2.050	20.9	20.0
3 2	13 0.17	−12 14.2	1.188	2.066	16.9	19.7
3 12	12 53.83	−12 12.6	1.143	2.081	12.2	19.5
3 22	12 45.11	−11 49.4	1.119	2.098	7.0	19.3
4 1	12 35.27	−11 8.9	1.120	2.115	3.2	19.1
4 11	12 25.89	−10 19.2	1.145	2.133	6.1	19.3
4 21	12 18.28	− 9 29.3	1.194	2.151	11.0	19.6
5 1	12 13.36	− 8 47.7	1.265	2.170	15.4	19.9
54303	2000 JD_{66}		3 30.5	151.°57	6.°8/23.2	18
2 21	13 2.23	+12 2.0	1.958	2.780	13.5	18.8
3 2	12 58.16	+13 28.4	1.892	2.785	10.7	18.6
3 12	12 51.91	+14 55.3	1.850	2.790	8.1	18.4
3 22	12 44.06	+16 14.4	1.835	2.794	6.8	18.4
4 1	12 35.47	+17 17.3	1.846	2.798	7.6	18.4
4 11	12 27.16	+17 58.0	1.884	2.802	10.0	18.6
4 21	12 19.98	+18 14.1	1.946	2.806	12.8	18.7
5 1	12 14.63	+18 5.8	2.029	2.809	15.4	18.9
436672	2011 SQ_{80}		3 30.5	190.°95	0.°1/30.4	17
2 21	12 57.05	− 7 12.9	2.599	3.377	11.8	21.5
3 2	12 53.66	− 6 30.7	2.504	3.377	9.3	21.4
3 12	12 48.67	− 5 36.3	2.433	3.376	6.3	21.2
3 22	12 42.50	− 4 32.9	2.389	3.375	2.9	20.9
4 1	12 35.74	− 3 24.7	2.374	3.373	0.6	20.7
4 11	12 29.09	− 2 17.3	2.390	3.372	4.0	21.0
4 21	12 23.17	− 1 15.7	2.434	3.370	7.3	21.2
5 1	12 18.53	− 0 24.1	2.504	3.368	10.2	21.4
500792	2013 ER_{126}		3 30.5	260.°58	7.°8/21.1	16
2 21	12 59.06	+ 8 38.5	1.664	2.499	14.9	20.9
3 2	12 56.37	+11 10.5	1.579	2.482	11.8	20.7
3 12	12 51.15	+13 54.0	1.519	2.465	9.0	20.5
3 22	12 43.89	+16 36.3	1.487	2.448	7.9	20.4
4 1	12 35.49	+19 2.8	1.482	2.430	9.5	20.4
4 11	12 27.10	+21 1.0	1.503	2.412	12.7	20.5
4 21	12 19.84	+22 23.9	1.547	2.394	16.2	20.7
5 1	12 14.62	+23 9.6	1.610	2.375	19.3	20.9
23113	Aaronhakim		3 30.5	201.°50	1.°5/28.9	18
2 21	13 1.54	− 1 30.7	2.308	3.102	12.7	19.3
3 2	12 57.36	− 1 1.4	2.216	3.099	9.8	19.1
3 12	12 51.27	− 0 23.5	2.148	3.096	6.6	18.9
3 22	12 43.76	+ 0 19.6	2.106	3.093	3.1	18.7
4 1	12 35.53	+ 1 3.0	2.094	3.089	1.9	18.6
4 11	12 27.42	+ 1 41.6	2.110	3.085	5.2	18.8
4 21	12 20.18	+ 2 11.2	2.155	3.081	8.7	19.0
5 1	12 14.47	+ 2 28.8	2.224	3.076	11.8	19.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
277002	2004 XX_{72}		3 30.5	159.°07	3.°9/26.4	17
	h m	° ′			°	m
2 21	13 1.06	+ 4 56.5	2.105	2.919	13.0	20.3
3 2	12 57.10	+ 5 52.0	2.027	2.921	10.1	20.1
3 12	12 51.14	+ 6 52.9	1.973	2.924	6.9	19.9
3 22	12 43.70	+ 7 53.4	1.946	2.926	4.3	19.8
4 1	12 35.55	+ 8 46.7	1.947	2.928	4.5	19.8
4 11	12 27.60	+ 9 27.2	1.976	2.930	7.3	19.9
4 21	12 20.66	+ 9 51.1	2.031	2.931	10.5	20.1
5 1	12 15.36	+ 9 56.9	2.109	2.933	13.4	20.3
506046	2015 KW_{80}		3 30.5	221.°81	5.°6/22.9	17
2 21	12 58.82	+13 28.7	2.638	3.452	10.7	21.9
3 2	12 55.02	+14 37.2	2.560	3.447	8.5	21.7
3 12	12 49.57	+15 45.1	2.507	3.442	6.6	21.6
3 22	12 42.92	+16 46.5	2.482	3.437	5.6	21.5
4 1	12 35.69	+17 35.7	2.486	3.432	6.3	21.5
4 11	12 28.59	+18 8.5	2.517	3.426	8.2	21.7
4 21	12 22.27	+18 22.5	2.573	3.421	10.4	21.8
5 1	12 17.27	+18 17.6	2.651	3.415	12.5	21.9
466843	2015 BN_{249}		3 30.5	214.°82	1.°3/29.2	17
2 21	13 0.36	− 3 18.9	2.111	2.907	13.6	21.6
3 2	12 56.65	− 2 39.6	2.018	2.903	10.6	21.4
3 12	12 50.92	− 1 48.7	1.949	2.899	7.1	21.2
3 22	12 43.64	− 0 50.1	1.907	2.894	3.3	20.9
4 1	12 35.58	+ 0 10.5	1.893	2.890	1.7	20.8
4 11	12 27.63	+ 1 6.9	1.908	2.885	5.4	21.0
4 21	12 20.61	+ 1 53.5	1.949	2.879	9.2	21.3
5 1	12 15.23	+ 2 26.3	2.016	2.874	12.6	21.5
422981	2003 QN_{81}		3 30.5	225.°40	2.°2/ 1.4	17
2 21	13 4.82	−10 17.5	2.085	2.849	14.8	21.2
3 2	13 0.26	−10 40.5	1.989	2.847	12.0	21.0
3 12	12 53.43	−10 50.7	1.914	2.844	8.6	20.8
3 22	12 44.87	−10 48.6	1.865	2.842	4.9	20.5
4 1	12 35.36	−10 36.1	1.844	2.839	2.2	20.3
4 11	12 25.92	−10 17.0	1.852	2.837	4.6	20.5
4 21	12 17.49	− 9 55.8	1.887	2.834	8.4	20.7
5 1	12 10.85	− 9 37.4	1.948	2.831	11.8	20.9
225385	1999 TO_{178}		3 30.5	94.°49	1.°8/ 1.4	18
2 21	13 0.77	−11 27.4	2.018	2.788	15.0	20.4
3 2	12 57.04	−11 18.4	1.934	2.796	12.1	20.2
3 12	12 51.18	−10 53.2	1.871	2.804	8.6	20.0
3 22	12 43.76	−10 13.6	1.834	2.812	4.7	19.8
4 1	12 35.57	− 9 23.4	1.823	2.820	1.8	19.6
4 11	12 27.56	− 8 28.3	1.842	2.828	4.4	19.8
4 21	12 20.61	− 7 34.5	1.887	2.836	8.2	20.0
5 1	12 15.40	− 6 47.8	1.958	2.843	11.7	20.2
470916	2009 DE_{92}		3 30.5	215.°48	6.°3/ 5.3	17
2 21	13 6.35	−22 15.2	2.394	3.085	15.0	21.3
3 2	13 1.39	−23 19.5	2.293	3.084	12.9	21.1
3 12	12 54.20	−24 7.9	2.212	3.084	10.5	20.9
3 22	12 45.25	−24 37.9	2.155	3.083	8.1	20.8
4 1	12 35.29	−24 48.0	2.126	3.082	6.5	20.7
4 11	12 25.29	−24 39.9	2.124	3.081	6.6	20.7
4 21	12 16.20	−24 17.4	2.149	3.081	8.4	20.8
5 1	12 8.80	−23 46.0	2.200	3.080	10.8	20.9
209868	2005 JV_{66}		3 30.5	313.°47	2.°4/ 1.8	17
2 21	12 58.67	−12 25.2	2.025	2.794	15.0	20.4
3 2	12 55.58	−12 25.8	1.924	2.784	12.2	20.2
3 12	12 50.35	−12 9.9	1.845	2.775	8.8	19.9
3 22	12 43.44	−11 38.5	1.790	2.766	5.2	19.7
4 1	12 35.62	−10 54.3	1.762	2.757	2.4	19.5
4 11	12 27.83	−10 2.6	1.762	2.748	4.6	19.6
4 21	12 20.98	− 9 9.7	1.788	2.740	8.4	19.8
5 1	12 15.82	− 8 21.7	1.840	2.732	12.0	20.0
171875	2001 QX_{219}		3 30.5	184.°89	6.°0/ 7.1	18
2 21	13 0.97	−26 20.8	2.725	3.390	13.8	20.0
3 2	12 56.90	−26 49.8	2.621	3.390	12.0	19.9
3 12	12 50.99	−27 0.7	2.536	3.389	10.0	19.7
3 22	12 43.66	−26 51.7	2.475	3.389	7.9	19.6
4 1	12 35.59	−26 22.9	2.440	3.388	6.3	19.5
4 11	12 27.55	−25 36.8	2.433	3.387	6.1	19.5
4 21	12 20.31	−24 38.0	2.453	3.385	7.5	19.5
5 1	12 14.50	−23 32.3	2.499	3.383	9.5	19.7
42910	1999 RB_{221}		3 30.5	191.°76	3.°6/26.5	18
2 21	13 2.60	+ 2 42.6	2.144	2.949	13.1	19.9
3 2	12 58.33	+ 3 54.8	2.057	2.947	10.1	19.7
3 12	12 52.01	+ 5 15.5	1.995	2.945	6.9	19.5
3 22	12 44.15	+ 6 38.6	1.960	2.942	4.0	19.3
4 1	12 35.51	+ 7 56.6	1.955	2.938	4.2	19.3
4 11	12 27.01	+ 9 2.5	1.978	2.934	7.2	19.4
4 21	12 19.48	+ 9 51.3	2.029	2.928	10.6	19.6
5 1	12 13.61	+10 20.5	2.103	2.922	13.6	19.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
110552	2001 TE_{103}		3 30.5	153.°36	3.°4/27.2	18
	h m	° ′			°	m
2 21	13 5.62	+ 5 4.7	2.293	3.092	12.5	19.4
3 2	13 0.41	+ 5 38.5	2.214	3.100	9.7	19.2
3 12	12 53.24	+ 6 16.0	2.160	3.107	6.6	19.0
3 22	12 44.67	+ 6 52.5	2.133	3.114	3.9	18.9
4 1	12 35.44	+ 7 22.9	2.136	3.120	3.8	18.9
4 11	12 26.44	+ 7 42.7	2.168	3.126	6.5	19.1
4 21	12 18.46	+ 7 49.1	2.228	3.131	9.6	19.2
5 1	12 12.11	+ 7 41.1	2.312	3.136	12.4	19.4
203750	2002 RF_{69}		3 30.5	218.°41	0.°3/30.2	18
2 21	12 59.51	− 5 46.1	2.311	3.095	12.9	20.6
3 2	12 55.82	− 5 16.8	2.215	3.091	10.1	20.4
3 12	12 50.28	− 4 35.6	2.142	3.087	6.9	20.2
3 22	12 43.33	− 3 45.6	2.096	3.082	3.2	20.0
4 1	12 35.66	− 2 51.2	2.079	3.078	0.8	19.8
4 11	12 28.08	− 1 57.9	2.091	3.073	4.6	20.0
4 21	12 21.34	− 1 10.8	2.131	3.067	8.2	20.2
5 1	12 16.09	− 0 34.2	2.196	3.062	11.4	20.4
422782	2001 VL_{84}		3 30.5	95.°87	4.°5/ 4.7	18
2 21	13 5.32	−20 38.9	2.207	2.916	15.6	22.2
3 2	13 0.28	−20 41.8	2.136	2.947	13.0	22.1
3 12	12 53.17	−20 24.3	2.085	2.978	10.0	21.9
3 22	12 44.61	−19 46.6	2.058	3.008	6.9	21.8
4 1	12 35.46	−18 51.3	2.059	3.037	4.7	21.7
4 11	12 26.65	−17 43.6	2.089	3.066	5.1	21.8
4 21	12 19.01	−16 30.4	2.147	3.093	7.6	22.0
5 1	12 13.16	−15 18.5	2.232	3.120	10.4	22.2
370952	2005 SA_{54}		3 30.5	149.°12	0.°5/30.1	17
2 21	13 3.57	− 4 33.2	2.117	2.903	13.9	21.9
3 2	12 59.06	− 4 12.3	2.033	2.910	10.9	21.7
3 12	12 52.47	− 3 40.4	1.971	2.917	7.3	21.5
3 22	12 44.35	− 3 0.7	1.936	2.923	3.4	21.3
4 1	12 35.49	− 2 17.7	1.930	2.929	0.9	21.1
4 11	12 26.83	− 1 36.9	1.953	2.934	4.9	21.4
4 21	12 19.19	− 1 3.1	2.004	2.939	8.7	21.6
5 1	12 13.26	− 0 40.1	2.080	2.943	12.0	21.9
252215	2001 HH_{61}		3 30.5	342.°84	1.°1/31.3	17
2 21	12 56.30	− 8 30.1	1.258	2.081	19.5	20.1
3 2	12 54.93	− 8 23.9	1.175	2.070	15.7	19.8
3 12	12 50.55	− 7 56.1	1.109	2.060	11.0	19.5
3 22	12 43.75	− 7 9.3	1.066	2.052	5.6	19.1
4 1	12 35.57	− 6 9.3	1.045	2.044	1.1	18.8
4 11	12 27.49	− 5 5.6	1.049	2.038	6.4	19.1
4 21	12 20.85	− 4 8.1	1.076	2.033	11.9	19.4
5 1	12 16.73	− 3 25.2	1.123	2.029	16.8	19.7
285742	2000 TL_{23}		3 30.5	180.°60	0.°3/31.0	18
2 21	12 56.93	− 9 13.1	2.828	3.594	11.3	21.4
3 2	12 53.44	− 8 26.8	2.730	3.595	8.9	21.3
3 12	12 48.47	− 7 27.8	2.657	3.595	6.1	21.1
3 22	12 42.41	− 6 18.9	2.611	3.595	3.0	20.9
4 1	12 35.83	− 5 4.3	2.596	3.595	0.5	20.6
4 11	12 29.35	− 3 49.2	2.611	3.594	3.6	20.9
4 21	12 23.55	− 2 38.5	2.655	3.593	6.7	21.1
5 1	12 18.92	− 1 36.6	2.726	3.592	9.5	21.3
67575	2000 SY_{111}		3 30.5	216.°88	0.°9/29.5	18
2 21	13 1.30	− 2 5.8	2.664	3.448	11.4	19.9
3 2	12 56.93	− 1 51.8	2.566	3.443	8.9	19.7
3 12	12 50.88	− 1 30.5	2.492	3.438	5.9	19.5
3 22	12 43.57	− 1 4.8	2.446	3.433	2.7	19.3
4 1	12 35.63	− 0 37.9	2.430	3.427	1.2	19.2
4 11	12 27.76	− 0 13.8	2.443	3.421	4.4	19.4
4 21	12 20.64	+ 0 4.3	2.485	3.415	7.5	19.6
5 1	12 14.84	+ 0 13.7	2.553	3.408	10.4	19.8
37941	1998 HS_{6}		3 30.5	182.°88	3.°7/26.8	18
2 21	13 1.47	+ 4 13.2	2.024	2.837	13.5	19.3
3 2	12 57.55	+ 5 3.3	1.943	2.837	10.4	19.1
3 12	12 51.52	+ 5 59.4	1.886	2.837	7.1	18.9
3 22	12 43.92	+ 6 55.8	1.855	2.837	4.2	18.7
4 1	12 35.57	+ 7 45.9	1.853	2.837	4.3	18.7
4 11	12 27.40	+ 8 23.7	1.878	2.837	7.3	18.9
4 21	12 20.27	+ 8 45.4	1.930	2.836	10.6	19.1
5 1	12 14.86	+ 8 49.0	2.004	2.835	13.7	19.3
480744	2016 NY_{16}		3 30.5	293.°55	4.°9/ 4.2	17
2 21	12 59.14	−19 23.4	2.006	2.741	16.2	21.1
3 2	12 56.27	−19 36.5	1.885	2.714	13.8	20.8
3 12	12 51.06	−19 28.6	1.783	2.687	10.8	20.6
3 22	12 43.91	−18 58.0	1.704	2.660	7.6	20.3
4 1	12 35.56	−18 5.5	1.651	2.633	5.1	20.1
4 11	12 27.03	−16 55.2	1.625	2.605	5.8	20.1
4 21	12 19.37	−15 34.3	1.626	2.578	9.0	20.2
5 1	12 13.50	−14 11.4	1.651	2.550	12.7	20.4

310082 2010 LP_{72} 3 30.5 329.°17 4.°1/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.89	−18 45.5	2.245	2.980	14.7	20.2
3 2	12 54.02	−18 51.7	2.143	2.973	12.3	20.0
3 12	12 49.20	−18 38.9	2.061	2.966	9.5	19.8
3 22	12 42.88	−18 7.2	2.002	2.960	6.5	19.6
4 1	12 35.75	−17 18.2	1.971	2.953	4.3	19.4
4 11	12 28.67	−16 16.5	1.967	2.947	4.9	19.4
4 21	12 22.45	−15 8.1	1.990	2.942	7.6	19.6
5 1	12 17.77	−13 59.9	2.039	2.936	10.7	19.8

249637 1999 TY_{137} 3 30.5 289.°23 0.°8/29.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.36	− 2 28.1	2.447	3.233	12.2	20.5
3 2	12 58.16	− 2 17.6	2.323	3.201	9.7	20.3
3 12	12 51.99	− 1 58.9	2.223	3.169	6.6	20.0
3 22	12 44.23	− 1 34.3	2.150	3.137	3.1	19.8
4 1	12 35.52	− 1 7.4	2.106	3.104	1.2	19.6
4 11	12 26.66	− 0 42.5	2.092	3.071	4.9	19.8
4 21	12 18.48	− 0 23.6	2.106	3.037	8.6	19.9
5 1	12 11.72	− 0 14.2	2.145	3.003	11.9	20.1

485851 2012 EN_9 3 30.5 89.°87 0.°1/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.18	−16 12.9	1.098	1.898	23.2	20.7
3 2	12 58.04	−13 59.8	1.033	1.915	18.5	20.4
3 12	12 52.55	−11 1.8	0.986	1.932	12.7	20.1
3 22	12 44.57	− 7 28.4	0.962	1.948	6.0	19.8
4 1	12 35.50	− 3 38.9	0.965	1.964	1.0	19.5
4 11	12 27.00	+ 0 1.7	0.996	1.980	7.7	20.0
4 21	12 20.43	+ 3 12.1	1.052	1.995	13.7	20.4
5 1	12 16.66	+ 5 39.9	1.130	2.010	18.7	20.7

142369 Johnhodges 3 30.5 14.°08 2.°5/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.79	− 2 59.9	1.422	2.248	17.5	20.1
3 2	12 55.54	− 1 55.9	1.348	2.250	13.5	19.9
3 12	12 50.61	− 0 34.5	1.295	2.252	9.0	19.6
3 22	12 43.63	+ 0 57.4	1.266	2.254	4.2	19.4
4 1	12 35.64	+ 2 29.6	1.262	2.257	3.2	19.3
4 11	12 27.91	+ 3 51.3	1.285	2.261	7.7	19.6
4 21	12 21.55	+ 4 54.2	1.331	2.264	12.3	19.8
5 1	12 17.42	+ 5 33.4	1.399	2.269	16.4	20.1

80262 1999 XY_{13} 3 30.5 49.°80 4.°0/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.28	+ 0 50.5	1.471	2.302	16.8	18.3
3 2	12 56.53	+ 2 9.0	1.405	2.309	12.9	18.1
3 12	12 51.15	+ 3 40.3	1.360	2.317	8.6	17.9
3 22	12 43.84	+ 5 15.8	1.340	2.325	4.8	17.7
4 1	12 35.62	+ 6 44.9	1.346	2.334	4.9	17.7
4 11	12 27.73	+ 7 57.7	1.378	2.342	8.7	17.9
4 21	12 21.23	+ 8 47.7	1.433	2.351	12.8	18.2
5 1	12 16.91	+ 9 12.1	1.510	2.360	16.5	18.4

127544 2002 XD_{81} 3 30.6 169.°45 3.°1/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.57	+ 1 33.6	1.873	2.673	14.9	20.6
3 2	13 2.45	+ 2 19.1	1.792	2.679	11.6	20.4
3 12	12 54.92	+ 3 13.2	1.734	2.683	7.8	20.2
3 22	12 45.57	+ 4 10.2	1.702	2.687	4.1	20.0
4 1	12 35.33	+ 5 3.3	1.700	2.690	3.6	19.9
4 11	12 25.34	+ 5 45.7	1.726	2.692	7.1	20.2
4 21	12 16.58	+ 6 12.8	1.778	2.693	10.9	20.4
5 1	12 9.84	+ 6 22.2	1.854	2.692	14.4	20.6

506225 2016 JC_{36} 3 30.6 320.°83 2.°5/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 55.94	− 2 10.9	1.445	2.275	17.0	21.0
3 2	12 54.35	− 1 23.1	1.347	2.251	13.4	20.7
3 12	12 50.06	− 0 18.0	1.269	2.227	9.0	20.4
3 22	12 43.53	+ 0 59.1	1.215	2.204	4.3	20.0
4 1	12 35.66	+ 2 19.4	1.186	2.181	3.2	19.9
4 11	12 27.72	+ 3 32.5	1.182	2.160	8.0	20.1
4 21	12 20.95	+ 4 29.0	1.202	2.139	13.0	20.3
5 1	12 16.41	+ 5 2.7	1.242	2.119	17.6	20.5

313637 2003 SG_{35} 3 30.6 138.°09 0.°2/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.33	− 5 56.6	1.946	2.729	15.1	22.4
3 2	13 0.59	− 5 33.1	1.867	2.741	11.8	22.2
3 12	12 53.58	− 4 56.4	1.809	2.753	8.0	21.9
3 22	12 44.91	− 4 9.9	1.778	2.764	3.7	21.7
4 1	12 35.46	− 3 18.7	1.776	2.774	0.7	21.5
4 11	12 26.26	− 2 29.1	1.802	2.784	5.1	21.8
4 21	12 18.25	− 1 46.7	1.856	2.793	9.1	22.1
5 1	12 12.12	− 1 15.9	1.934	2.802	12.7	22.3

455597 2004 TB_{33} 3 30.6 135.°83 1.°2/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.95	−10 12.4	1.822	2.595	16.3	22.0
3 2	13 0.49	− 9 51.5	1.742	2.608	13.0	21.7
3 12	12 53.61	− 9 13.0	1.683	2.620	9.1	21.5
3 22	12 44.96	− 8 19.6	1.649	2.631	4.7	21.3
4 1	12 35.45	− 7 16.2	1.643	2.642	1.2	21.1
4 11	12 26.21	− 6 10.1	1.666	2.652	4.9	21.3
4 21	12 18.22	− 5 8.5	1.716	2.661	9.2	21.6
5 1	12 12.25	− 4 17.5	1.791	2.669	12.9	21.9

455585 2004 RE_{314} 3 30.6 166.°60 0.°3/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.01	− 7 20.3	1.935	2.713	15.3	22.4
3 2	13 1.23	− 7 1.2	1.848	2.718	12.1	22.2
3 12	12 54.10	− 6 27.6	1.782	2.723	8.3	22.0
3 22	12 45.20	− 5 42.5	1.743	2.727	4.0	21.8
4 1	12 35.40	− 4 50.4	1.732	2.731	0.6	21.5
4 11	12 25.80	− 3 57.8	1.750	2.733	5.0	21.8
4 21	12 17.34	− 3 10.9	1.795	2.735	9.2	22.1
5 1	12 10.82	− 2 34.5	1.866	2.736	12.9	22.3

469776 2005 QR_{90} 3 30.6 202.°17 0.°0/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.54	− 6 17.7	3.017	3.787	10.5	22.4
3 2	12 54.61	− 5 53.0	2.915	3.783	8.3	22.2
3 12	12 49.24	− 5 19.0	2.838	3.778	5.6	22.0
3 22	12 42.80	− 4 38.1	2.788	3.773	2.7	21.8
4 1	12 35.82	− 3 53.3	2.769	3.768	0.4	21.6
4 11	12 28.90	− 3 8.7	2.780	3.762	3.5	21.8
4 21	12 22.62	− 2 27.9	2.821	3.756	6.5	22.0
5 1	12 17.46	− 1 54.1	2.888	3.750	9.1	22.2

366401 2001 RH_{140} 3 30.6 131.°72 1.°5/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.65	− 1 58.6	2.201	2.992	13.3	22.0
3 2	12 58.96	− 1 21.2	2.125	3.007	10.3	21.8
3 12	12 52.31	− 0 34.5	2.073	3.021	6.8	21.6
3 22	12 44.26	+ 0 17.3	2.047	3.034	3.2	21.4
4 1	12 35.58	+ 1 8.9	2.051	3.047	1.9	21.3
4 11	12 27.15	+ 1 54.8	2.085	3.059	5.3	21.6
4 21	12 19.76	+ 2 30.5	2.146	3.071	8.8	21.8
5 1	12 13.99	+ 2 53.1	2.232	3.082	11.9	22.0

170574 2003 XA_7 3 30.6 115.°58 3.°4/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 9.80	−13 5.7	1.915	2.663	16.5	20.0
3 2	13 4.20	−13 38.2	1.835	2.680	13.4	19.8
3 12	12 56.10	−13 55.0	1.776	2.696	9.8	19.6
3 22	12 46.13	−13 55.7	1.742	2.712	6.0	19.4
4 1	12 35.26	−13 42.1	1.736	2.727	3.4	19.3
4 11	12 24.65	−13 18.1	1.759	2.742	5.1	19.4
4 21	12 15.33	−12 49.4	1.810	2.756	8.7	19.7
5 1	12 8.11	−12 21.8	1.886	2.769	12.2	19.9

346150 2007 VE_{253} 3 30.6 147.°63 4.°8/24.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.19	+ 9 48.1	2.487	3.299	11.3	21.2
3 2	12 56.11	+10 50.1	2.414	3.305	8.8	21.0
3 12	12 50.32	+11 53.4	2.367	3.310	6.4	20.9
3 22	12 43.31	+12 52.2	2.347	3.315	4.9	20.8
4 1	12 35.74	+13 40.8	2.356	3.320	5.4	20.8
4 11	12 28.37	+14 14.7	2.393	3.324	7.5	20.9
4 21	12 21.85	+14 31.4	2.456	3.329	10.0	21.1
5 1	12 16.74	+14 30.2	2.542	3.333	12.3	21.3

203416 2001 XJ_{193} 3 30.6 124.°43 3.°0/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.03	− 0 44.9	1.613	2.428	16.3	20.3
3 2	12 59.23	+ 0 17.7	1.542	2.437	12.6	20.1
3 12	12 52.88	+ 1 33.1	1.492	2.446	8.4	19.9
3 22	12 44.64	+ 2 54.4	1.468	2.455	4.2	19.7
4 1	12 35.52	+ 4 12.7	1.471	2.463	3.6	19.6
4 11	12 26.71	+ 5 19.2	1.501	2.471	7.5	19.9
4 21	12 19.25	+ 6 7.6	1.557	2.479	11.7	20.1
5 1	12 13.93	+ 6 34.6	1.635	2.486	15.4	20.4

370053 2000 SR_{357} 3 30.6 166.°01 4.°2/24.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.58	+ 8 7.4	2.703	3.507	10.7	22.2
3 2	12 57.04	+ 9 19.4	2.627	3.514	8.3	22.0
3 12	12 50.89	+10 34.0	2.576	3.520	5.9	21.9
3 22	12 43.57	+11 45.8	2.555	3.525	4.3	21.8
4 1	12 35.71	+12 48.9	2.563	3.529	4.9	21.8
4 11	12 28.02	+13 38.7	2.601	3.533	7.0	21.9
4 21	12 21.12	+14 12.1	2.665	3.536	9.4	22.1
5 1	12 15.54	+14 28.2	2.754	3.538	11.6	22.3

334552 2002 SS_{43} 3 30.6 160.°01 0.°8/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.31	− 3 37.9	2.639	3.422	11.5	21.6
3 2	12 56.12	− 3 5.7	2.551	3.428	9.0	21.4
3 12	12 50.31	− 2 24.6	2.487	3.433	6.0	21.2
3 22	12 43.32	− 1 37.7	2.451	3.438	2.7	21.0
4 1	12 35.77	− 0 49.1	2.445	3.442	1.2	20.9
4 11	12 28.35	− 0 3.5	2.468	3.446	4.3	21.1
4 21	12 21.71	+ 0 35.2	2.521	3.449	7.5	21.3
5 1	12 16.39	+ 1 3.8	2.599	3.452	10.2	21.5

210983 Wadeparker 3 30.6 215.°72 2.°2/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 56.76	− 1 7.9	2.435	3.236	11.8	20.1
3 2	12 53.58	+ 0 1.3	2.345	3.234	9.1	19.9
3 12	12 48.72	+ 1 20.7	2.279	3.231	6.0	19.7
3 22	12 42.61	+ 2 45.3	2.242	3.228	3.0	19.5
4 1	12 35.89	+ 4 9.0	2.234	3.225	2.7	19.5
4 11	12 29.27	+ 5 25.3	2.255	3.221	5.6	19.7
4 21	12 23.42	+ 6 29.1	2.304	3.218	8.8	19.8
5 1	12 18.92	+ 7 16.8	2.378	3.214	11.7	20.0

148530 2001 QP_{19} 3 30.6 111.°42 5.°7/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.99	−19 28.3	2.017	2.732	16.7	20.0
3 2	13 3.64	−20 22.0	1.933	2.747	14.1	19.8
3 12	12 55.79	−20 57.5	1.869	2.761	11.1	19.7
3 22	12 46.04	−21 12.6	1.829	2.775	8.0	19.5
4 1	12 35.30	−21 7.1	1.816	2.788	5.9	19.4
4 11	12 24.74	−20 44.1	1.831	2.801	6.3	19.4
4 21	12 15.40	−20 9.1	1.873	2.814	8.8	19.6
5 1	12 8.10	−19 29.0	1.941	2.826	11.8	19.8

316591 2011 UA_{172} 3 30.6 242.°02 2.°5/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.88	−14 0.0	2.729	3.467	12.3	21.4
3 2	12 56.75	−14 7.7	2.616	3.454	10.1	21.2
3 12	12 50.87	−14 2.5	2.525	3.441	7.5	21.0
3 22	12 43.66	−13 44.7	2.460	3.428	4.6	20.8
4 1	12 35.70	−13 16.1	2.423	3.414	2.6	20.7
4 11	12 27.73	−12 39.8	2.417	3.400	3.9	20.7
4 21	12 20.43	−12 0.1	2.439	3.386	6.7	20.9
5 1	12 14.44	−11 21.4	2.488	3.371	9.6	21.1

199986 Chervone 3 30.6 251.°87 6.°9/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.56	+14 11.8	2.150	2.967	12.7	20.0
3 2	12 58.43	+15 24.5	2.066	2.954	10.2	19.8
3 12	12 52.18	+16 36.6	2.006	2.940	8.0	19.6
3 22	12 44.31	+17 40.8	1.972	2.926	6.9	19.5
4 1	12 35.60	+18 29.5	1.966	2.911	7.7	19.5
4 11	12 26.99	+18 57.1	1.986	2.897	10.0	19.6
4 21	12 19.36	+19 1.2	2.030	2.882	12.7	19.8
5 1	12 13.44	+18 41.8	2.096	2.867	15.2	19.9

184139 2004 JC_{20} 3 30.6 299.°75 4.°2/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.83	+ 2 10.7	1.620	2.447	15.6	20.2
3 2	12 56.30	+ 3 15.7	1.522	2.425	12.2	20.0
3 12	12 51.21	+ 4 33.4	1.447	2.403	8.3	19.7
3 22	12 44.02	+ 5 56.8	1.397	2.381	4.8	19.4
4 1	12 35.63	+ 7 16.6	1.373	2.359	5.0	19.4
4 11	12 27.20	+ 8 23.0	1.375	2.338	8.9	19.5
4 21	12 19.87	+ 9 8.8	1.401	2.316	13.2	19.7
5 1	12 14.61	+ 9 29.9	1.447	2.295	17.2	19.9

417214 2005 XF_{102} 3 30.6 43.°93 6.°6/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.88	+ 9 20.8	1.634	2.469	15.2	20.5
3 2	12 56.69	+10 44.3	1.577	2.480	11.9	20.3
3 12	12 51.10	+12 10.3	1.542	2.491	8.6	20.1
3 22	12 43.78	+13 29.5	1.532	2.502	6.7	20.0
4 1	12 35.71	+14 32.5	1.549	2.514	7.5	20.1
4 11	12 28.00	+15 12.7	1.591	2.527	10.3	20.3
4 21	12 21.61	+15 27.1	1.656	2.539	13.4	20.5
5 1	12 17.23	+15 16.0	1.741	2.552	16.3	20.7

102179 1999 RX_{237} 3 30.6 128.°50 4.°3/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.27	+ 4 56.6	2.024	2.833	13.6	20.3
3 2	12 59.57	+ 6 10.9	1.959	2.850	10.5	20.1
3 12	12 52.78	+ 7 30.6	1.918	2.867	7.2	19.9
3 22	12 44.50	+ 8 48.9	1.904	2.883	4.6	19.8
4 1	12 35.59	+ 9 58.2	1.920	2.898	5.0	19.8
4 11	12 27.00	+10 52.0	1.964	2.912	7.8	20.0
4 21	12 19.56	+11 26.7	2.034	2.926	10.9	20.3
5 1	12 13.91	+11 41.0	2.127	2.939	13.7	20.5

467693 2008 VW_{67} 3 30.6 231.°05 4.°1/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.70	+ 8 1.6	2.672	3.474	10.9	22.0
3 2	12 58.09	+ 8 55.3	2.572	3.458	8.5	21.8
3 12	12 51.74	+ 9 52.0	2.498	3.442	6.1	21.6
3 22	12 44.05	+10 46.8	2.453	3.425	4.3	21.5
4 1	12 35.65	+11 34.3	2.437	3.408	4.7	21.5
4 11	12 27.29	+12 9.6	2.450	3.389	6.9	21.6
4 21	12 19.67	+12 29.8	2.490	3.370	9.6	21.8
5 1	12 13.40	+12 33.3	2.555	3.351	12.1	21.9

429207 2009 WK_{194} 3 30.6 200.°63 4.°3/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.67	−21 6.3	2.203	2.920	15.4	21.9
3 2	12 56.24	−20 51.2	2.100	2.918	13.0	21.7
3 12	12 50.72	−20 13.6	2.018	2.915	10.1	21.5
3 22	12 43.64	−19 13.4	1.959	2.912	7.0	21.3
4 1	12 35.72	−17 53.0	1.927	2.908	4.6	21.1
4 11	12 27.91	−16 18.5	1.924	2.905	5.0	21.2
4 21	12 21.04	−14 37.4	1.950	2.900	7.8	21.3
5 1	12 15.84	−12 58.3	2.001	2.896	11.1	21.5

386545 2009 DY_5 3 30.6 337.°91 3.°5/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.64	−13 25.6	2.062	2.817	15.2	20.2
3 2	12 58.68	−14 0.7	1.964	2.813	12.5	20.0
3 12	12 52.48	−14 21.6	1.887	2.808	9.3	19.7
3 22	12 44.51	−14 27.8	1.835	2.804	5.9	19.5
4 1	12 35.57	−14 20.2	1.811	2.800	3.5	19.4
4 11	12 26.66	−14 2.3	1.814	2.797	5.0	19.4
4 21	12 18.72	−13 38.7	1.844	2.793	8.3	19.6
5 1	12 12.56	−13 14.8	1.899	2.791	11.7	19.8

167771 2005 AF_1 3 30.6 115.°34 4.°0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.16	−15 39.3	1.692	2.448	18.0	20.6
3 2	13 1.00	−15 56.9	1.611	2.458	14.8	20.4
3 12	12 54.18	−15 53.7	1.549	2.468	11.1	20.2
3 22	12 45.32	−15 29.5	1.510	2.478	7.1	20.0
4 1	12 35.45	−14 46.7	1.498	2.487	4.2	19.8
4 11	12 25.79	−13 51.4	1.512	2.496	5.6	19.9
4 21	12 17.50	−12 51.3	1.553	2.505	9.4	20.2
5 1	12 11.41	−11 54.4	1.618	2.513	13.2	20.4

39624 1994 PT_8 3 30.6 208.°49 1.°7/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.67	− 2 17.3	2.122	2.922	13.4	20.1
3 2	12 56.12	− 1 30.1	2.032	2.919	10.4	19.9
3 12	12 50.58	− 0 31.8	1.966	2.917	6.9	19.7
3 22	12 43.54	+ 0 33.3	1.927	2.914	3.2	19.5
4 1	12 35.75	+ 1 38.9	1.916	2.911	2.2	19.4
4 11	12 28.09	+ 2 38.8	1.934	2.908	5.7	19.6
4 21	12 21.36	+ 3 27.4	1.978	2.904	9.4	19.8
5 1	12 16.22	+ 4 1.0	2.047	2.901	12.6	20.0

240662 2005 EZ_{30} 3 30.6 39.°15 3.°6/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.00	−14 51.5	1.384	2.169	20.0	20.1
3 2	12 57.46	−14 52.6	1.310	2.177	16.3	19.9
3 12	12 52.02	−14 28.4	1.255	2.186	12.0	19.6
3 22	12 44.37	−13 39.5	1.221	2.195	7.3	19.4
4 1	12 35.62	−12 30.8	1.211	2.205	3.7	19.2
4 11	12 27.15	−11 11.1	1.227	2.215	5.9	19.3
4 21	12 20.20	− 9 50.8	1.267	2.225	10.4	19.6
5 1	12 15.68	− 8 39.7	1.330	2.236	14.7	19.9

491717 2012 UM_{147} 3 30.6 73.°73 1.°5/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.76	−11 16.4	2.262	3.029	13.7	21.6
3 2	12 55.26	−11 1.4	2.177	3.038	11.0	21.4
3 12	12 49.90	−10 31.5	2.114	3.047	7.7	21.2
3 22	12 43.19	− 9 49.0	2.077	3.056	4.2	21.0
4 1	12 35.82	− 8 57.3	2.068	3.065	1.5	20.8
4 11	12 28.63	− 8 1.8	2.088	3.074	4.0	21.0
4 21	12 22.35	− 7 8.0	2.135	3.083	7.5	21.2
5 1	12 17.57	− 6 20.9	2.209	3.092	10.6	21.4

216085 2006 QT_{107} 3 30.6 265.°52 3.°1/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.82	−13 6.2	1.698	2.469	17.4	20.6
3 2	12 59.36	−13 18.9	1.601	2.461	14.3	20.4
3 12	12 53.24	−13 12.8	1.523	2.452	10.5	20.1
3 22	12 44.98	−12 47.7	1.468	2.443	6.3	19.9
4 1	12 35.50	−12 6.2	1.440	2.434	3.2	19.6
4 11	12 26.02	−11 14.0	1.438	2.425	5.5	19.8
4 21	12 17.72	−10 18.7	1.463	2.415	9.8	20.0
5 1	12 11.55	− 9 28.0	1.511	2.406	13.9	20.2

218703 2005 TH_{182} 3 30.6 108.°79 5.°7/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.37	−22 37.4	2.034	2.742	16.8	20.6
3 2	12 59.21	−22 56.1	1.951	2.758	14.3	20.5
3 12	12 52.75	−22 52.5	1.887	2.773	11.3	20.3
3 22	12 44.59	−22 25.3	1.847	2.788	8.3	20.1
4 1	12 35.59	−21 35.9	1.832	2.802	6.0	20.0
4 11	12 26.83	−20 29.3	1.844	2.816	6.1	20.1
4 21	12 19.22	−19 12.8	1.884	2.830	8.4	20.2
5 1	12 13.52	−17 54.5	1.949	2.843	11.3	20.4

284691 2008 SY_{71} 3 30.6 190.°73 1.°0/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.97	− 3 6.0	1.872	2.661	15.4	21.4
3 2	13 2.92	− 2 46.3	1.781	2.660	12.1	21.2
3 12	12 55.37	− 2 15.2	1.712	2.658	8.1	21.0
3 22	12 45.88	− 1 36.3	1.669	2.655	3.8	20.7
4 1	12 35.38	− 0 54.8	1.654	2.652	1.5	20.5
4 11	12 25.01	− 0 16.9	1.669	2.648	5.8	20.8
4 21	12 15.82	+ 0 12.0	1.711	2.643	10.1	21.0
5 1	12 8.67	+ 0 28.0	1.777	2.637	13.9	21.2

502270 2015 BR_{125} 3 30.6 184.°91 2.°9/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.94	+ 1 29.6	2.095	2.903	13.3	21.8
3 2	12 57.10	+ 2 23.4	2.011	2.903	10.3	21.6
3 12	12 51.23	+ 3 25.7	1.951	2.903	6.9	21.4
3 22	12 43.85	+ 4 30.9	1.917	2.902	3.7	21.2
4 1	12 35.73	+ 5 32.7	1.912	2.901	3.5	21.2
4 11	12 27.76	+ 6 24.6	1.936	2.900	6.6	21.3
4 21	12 20.77	+ 7 2.0	1.986	2.899	10.1	21.6
5 1	12 15.42	+ 7 22.2	2.060	2.897	13.2	21.7

407758 2011 WE_{57} 3 30.6 40.°73 1.°6/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.67	−11 14.1	1.512	2.303	18.3	21.3
3 2	12 57.79	−10 53.7	1.429	2.304	14.7	21.0
3 12	12 52.18	−10 11.3	1.365	2.305	10.4	20.8
3 22	12 44.45	− 9 9.1	1.324	2.306	5.5	20.5
4 1	12 35.62	− 7 52.9	1.309	2.308	1.6	20.2
4 11	12 26.98	− 6 31.9	1.321	2.309	5.6	20.5
4 21	12 19.69	− 5 15.5	1.358	2.310	10.4	20.7
5 1	12 14.65	− 4 12.1	1.418	2.311	14.8	21.0

466328 2013 RE_{16} 3 30.6 73.°84 0.°3/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.92	− 6 36.5	1.799	2.596	15.6	21.7
3 2	12 56.65	− 6 1.2	1.718	2.601	12.2	21.5
3 12	12 51.09	− 5 10.2	1.659	2.606	8.3	21.3
3 22	12 43.83	− 4 7.5	1.624	2.611	3.9	21.0
4 1	12 35.74	− 2 59.3	1.617	2.616	0.8	20.8
4 11	12 27.85	− 1 53.0	1.638	2.621	5.4	21.1
4 21	12 21.10	− 0 55.7	1.685	2.626	9.6	21.4
5 1	12 16.22	− 0 12.4	1.756	2.631	13.3	21.6

367682 2010 NB_{99} 3 30.6 248.°40 0.°7/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.64	− 7 39.4	1.797	2.583	16.0	21.5
3 2	12 59.81	− 7 30.5	1.697	2.572	12.8	21.3
3 12	12 53.44	− 7 6.4	1.618	2.560	8.9	21.0
3 22	12 45.06	− 6 29.1	1.564	2.548	4.4	20.7
4 1	12 35.53	− 5 42.8	1.537	2.536	0.8	20.4
4 11	12 25.99	− 4 54.0	1.538	2.523	5.3	20.7
4 21	12 17.56	− 4 9.3	1.566	2.510	9.9	20.9
5 1	12 11.13	− 3 34.6	1.617	2.497	14.0	21.1

403927 2012 AP_{17} 3 30.6 47.°35 0.°5/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.27	− 8 1.0	1.424	2.230	18.5	21.0
3 2	12 58.24	− 7 42.6	1.354	2.240	14.6	20.7
3 12	12 52.43	− 7 5.1	1.304	2.251	10.0	20.5
3 22	12 44.53	− 6 12.2	1.277	2.263	4.9	20.2
4 1	12 35.65	− 5 10.6	1.276	2.275	0.8	19.9
4 11	12 27.10	− 4 9.0	1.300	2.287	5.9	20.3
4 21	12 20.04	− 3 15.4	1.350	2.299	10.7	20.6
5 1	12 15.31	− 2 36.3	1.421	2.312	14.9	20.9

482394 2012 BH_{10} 3 30.6 355.°90 19.°9/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 10.60	−33 38.3	1.089	1.789	29.0	20.5
3 2	13 8.33	−36 56.7	1.019	1.787	26.8	20.3
3 12	13 1.26	−39 47.4	0.962	1.786	24.4	20.1
3 22	12 49.59	−41 55.3	0.919	1.785	22.1	19.9
4 1	12 34.68	−43 5.7	0.892	1.785	20.4	19.8
4 11	12 19.12	−43 12.1	0.881	1.785	19.9	19.8
4 21	12 5.81	−42 20.3	0.888	1.786	20.6	19.8
5 1	11 57.01	−40 46.4	0.910	1.787	22.4	19.9

159459 2000 KB 3 30.6 176.°50 1.°3/28.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.72	− 3 38.2	3.435	4.190	9.7	22.6
3 2	13 0.65	− 2 18.8	3.333	4.195	7.5	22.5
3 12	12 53.16	− 0 49.9	3.258	4.199	5.0	22.3
3 22	12 44.65	+ 0 44.5	3.216	4.201	2.3	22.1
4 1	12 35.64	+ 2 19.6	3.209	4.202	1.7	22.1
4 11	12 26.73	+ 3 50.1	3.236	4.202	4.2	22.2
4 21	12 18.48	+ 5 11.6	3.297	4.200	6.8	22.4
5 1	12 11.36	+ 6 20.8	3.387	4.197	9.1	22.6

169111 2001 OV_{35} 3 30.6 198.°94 1.°6/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.03	−10 30.4	2.597	3.352	12.4	20.6
3 2	12 57.63	−10 33.3	2.496	3.349	10.0	20.5
3 12	12 51.47	−10 24.4	2.418	3.346	7.1	20.3
3 22	12 43.96	−10 5.0	2.366	3.343	4.0	20.1
4 1	12 35.75	− 9 37.3	2.343	3.339	1.6	19.9
4 11	12 27.60	− 9 5.0	2.351	3.336	3.8	20.0
4 21	12 20.22	− 8 32.2	2.387	3.331	7.0	20.2
5 1	12 14.23	− 8 3.1	2.449	3.327	10.0	20.4

100912 1998 KU_{26} 3 30.6 94.°00 6.°1/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.30	+15 58.8	2.406	3.207	12.0	18.9
3 2	13 1.58	+16 32.3	2.342	3.219	9.6	18.7
3 12	12 53.97	+17 1.2	2.303	3.231	7.4	18.6
3 22	12 45.04	+17 20.1	2.290	3.243	6.1	18.5
4 1	12 35.60	+17 24.4	2.306	3.254	6.6	18.6
4 11	12 26.49	+17 11.2	2.350	3.266	8.4	18.7
4 21	12 18.47	+16 40.3	2.421	3.277	10.7	18.9
5 1	12 12.12	+15 52.9	2.514	3.289	12.9	19.0

196640 Mulhacén 3 30.6 62.°24 4.°1/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.01	−17 6.7	1.982	2.727	16.1	20.0
3 2	12 57.45	−17 22.5	1.893	2.731	13.4	19.8
3 12	12 51.65	−17 19.2	1.824	2.736	10.1	19.6
3 22	12 44.14	−16 56.5	1.779	2.741	6.8	19.4
4 1	12 35.75	−16 16.4	1.760	2.746	4.3	19.3
4 11	12 27.49	−15 23.8	1.769	2.751	5.2	19.4
4 21	12 20.30	−14 25.2	1.804	2.756	8.3	19.6
5 1	12 14.93	−13 27.7	1.865	2.761	11.7	19.8

332352 2007 DY_{112} 3 30.6 278.°33 4.°1/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.23	+ 2 8.7	1.804	2.627	14.5	20.6
3 2	12 55.40	+ 3 33.4	1.722	2.622	11.2	20.4
3 12	12 50.31	+ 5 9.5	1.662	2.617	7.6	20.1
3 22	12 43.52	+ 6 49.3	1.629	2.612	4.6	19.9
4 1	12 35.85	+ 8 23.5	1.623	2.607	5.0	20.0
4 11	12 28.32	+ 9 43.2	1.645	2.602	8.3	20.1
4 21	12 21.86	+10 42.0	1.692	2.596	12.0	20.3
5 1	12 17.22	+11 16.7	1.760	2.591	15.3	20.5

17406 1987 DO 3 30.6 32.°15 1.°8/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.48	− 3 42.7	1.180	2.014	19.8	17.7
3 2	12 57.27	− 3 2.5	1.121	2.026	15.4	17.4
3 12	12 51.97	− 2 4.2	1.080	2.038	10.2	17.2
3 22	12 44.37	− 0 54.8	1.062	2.051	4.7	16.9
4 1	12 35.72	+ 0 16.1	1.068	2.065	2.4	16.8
4 11	12 27.53	+ 1 17.6	1.098	2.080	7.6	17.1
4 21	12 21.06	+ 2 1.7	1.151	2.096	12.7	17.5
5 1	12 17.16	+ 2 23.9	1.225	2.112	17.1	17.8

68555 2001 XX_{84} 3 30.6 19.°68 6.°0/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.62	−24 59.7	2.138	2.840	16.2	18.8
3 2	12 53.98	−25 7.3	2.045	2.844	14.0	18.6
3 12	12 49.26	−24 51.4	1.971	2.848	11.3	18.4
3 22	12 43.00	−24 10.8	1.919	2.852	8.6	18.3
4 1	12 35.94	−23 6.8	1.892	2.857	6.4	18.2
4 11	12 29.02	−21 44.5	1.892	2.862	6.2	18.1
4 21	12 23.09	−20 11.2	1.919	2.868	8.1	18.3
5 1	12 18.84	−18 35.2	1.972	2.874	10.8	18.4

346035 2007 TE_{405} 3 30.6 352.°60 2.°5/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.01	+ 2 4.2	2.059	2.867	13.5	20.7
3 2	12 57.99	+ 2 25.8	1.975	2.866	10.5	20.5
3 12	12 51.87	+ 2 53.5	1.913	2.865	7.0	20.3
3 22	12 44.20	+ 3 23.0	1.878	2.864	3.6	20.1
4 1	12 35.75	+ 3 49.4	1.871	2.863	3.0	20.0
4 11	12 27.47	+ 4 7.8	1.892	2.863	6.2	20.2
4 21	12 20.20	+ 4 14.7	1.940	2.862	9.7	20.5
5 1	12 14.62	+ 4 7.9	2.011	2.862	12.9	20.7

378234 2007 BJ_{81} 3 30.6 280.°43 7.°6/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.32	−22 28.4	1.923	2.633	17.6	20.7
3 2	13 1.43	−23 34.1	1.810	2.614	15.3	20.5
3 12	12 54.80	−24 21.5	1.716	2.596	12.6	20.3
3 22	12 45.86	−24 46.4	1.644	2.577	9.8	20.1
4 1	12 35.44	−24 46.3	1.597	2.558	7.8	19.9
4 11	12 24.74	−24 22.5	1.577	2.539	8.0	19.9
4 21	12 15.03	−23 39.9	1.581	2.520	10.3	20.0
5 1	12 7.40	−22 46.5	1.610	2.501	13.5	20.1

62128 2000 SO_1 3 30.6 185.°81 6.°8/ 8.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.73	−30 51.4	3.242	3.850	12.7	18.5
3 2	13 0.48	−31 46.1	3.132	3.850	11.3	18.4
3 12	12 53.41	−32 24.8	3.043	3.849	9.7	18.3
3 22	12 44.92	−32 45.1	2.977	3.848	8.2	18.2
4 1	12 35.63	−32 45.8	2.937	3.846	7.1	18.1
4 11	12 26.28	−32 27.8	2.924	3.844	6.8	18.1
4 21	12 17.62	−31 54.0	2.939	3.841	7.6	18.1
5 1	12 10.29	−31 9.1	2.981	3.838	9.0	18.2

224211 2005 SX_{21} 3 30.6 266.°20 2.°4/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.18	−11 49.8	1.830	2.602	16.3	20.7
3 2	12 58.61	−11 56.1	1.734	2.596	13.2	20.4
3 12	12 52.60	−11 45.3	1.659	2.590	9.6	20.2
3 22	12 44.66	−11 18.0	1.607	2.584	5.5	19.9
4 1	12 35.67	−10 37.3	1.582	2.578	2.4	19.7
4 11	12 26.72	− 9 48.8	1.585	2.572	5.0	19.9
4 21	12 18.87	− 8 59.1	1.615	2.566	9.2	20.1
5 1	12 12.97	− 8 14.9	1.668	2.559	13.1	20.3

160446 2005 UG_{227} 3 30.6 104.°59 0.°1/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.04	− 6 54.1	1.865	2.656	15.3	21.0
3 2	12 57.46	− 6 26.8	1.782	2.661	12.1	20.8
3 12	12 51.62	− 5 44.6	1.721	2.667	8.2	20.6
3 22	12 44.11	− 4 51.0	1.686	2.672	3.9	20.3
4 1	12 35.77	− 3 51.3	1.678	2.677	0.6	20.1
4 11	12 27.63	− 2 52.6	1.699	2.682	5.1	20.4
4 21	12 20.61	− 2 1.1	1.746	2.687	9.3	20.7
5 1	12 15.43	− 1 21.9	1.817	2.692	12.9	20.9

155297 2005 YS_9 3 30.6 220.°94 0.°7/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.21	− 4 25.8	2.061	2.851	14.1	21.1
3 2	12 58.24	− 4 1.0	1.966	2.846	11.1	20.9
3 12	12 52.13	− 3 24.2	1.893	2.840	7.5	20.7
3 22	12 44.36	− 2 38.9	1.847	2.834	3.5	20.4
4 1	12 35.73	− 1 49.8	1.829	2.828	1.1	20.2
4 11	12 27.18	− 1 3.0	1.840	2.821	5.2	20.5
4 21	12 19.61	− 0 23.7	1.878	2.814	9.2	20.7
5 1	12 13.74	+ 0 3.7	1.941	2.806	12.7	20.9

82936 2001 QQ_{113} 3 30.6 302.°60 0.°4/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.30	− 3 39.1	2.162	2.952	13.5	19.1
3 2	12 58.20	− 3 36.3	2.068	2.947	10.6	18.9
3 12	12 52.03	− 3 24.4	1.996	2.942	7.2	18.7
3 22	12 44.30	− 3 5.8	1.951	2.937	3.4	18.4
4 1	12 35.75	− 2 44.1	1.934	2.932	0.8	18.2
4 11	12 27.28	− 2 23.8	1.946	2.928	4.8	18.5
4 21	12 19.75	− 2 8.9	1.985	2.923	8.6	18.7
5 1	12 13.85	− 2 2.6	2.049	2.919	11.9	18.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
406354	2007 RA_{171}		3 30.6	87.°66	0.°9/29.9	18
	h m	° ′			°	m
2 21	13 6.61	− 4 1.5	1.567	2.368	17.3	21.7
3 2	13 2.01	− 3 40.3	1.502	2.388	13.5	21.5
3 12	12 54.75	− 3 5.7	1.459	2.408	9.0	21.2
3 22	12 45.57	− 2 22.1	1.440	2.427	4.1	21.0
4 1	12 35.56	− 1 35.9	1.448	2.447	1.4	20.8
4 11	12 25.99	− 0 54.3	1.484	2.466	6.1	21.2
4 21	12 17.93	− 0 23.0	1.546	2.484	10.5	21.5
5 1	12 12.16	− 0 6.0	1.630	2.502	14.4	21.8
138667	2000 RZ_{99}		3 30.6	180.°62	4.°0/ 5.4	18
2 21	12 57.95	−22 21.9	2.787	3.483	13.0	20.5
3 2	12 54.43	−22 7.3	2.682	3.483	11.0	20.3
3 12	12 49.29	−21 34.3	2.599	3.484	8.6	20.2
3 22	12 42.94	−20 42.9	2.540	3.484	6.2	20.0
4 1	12 35.98	−19 35.1	2.509	3.483	4.3	19.9
4 11	12 29.12	−18 15.2	2.507	3.483	4.4	19.9
4 21	12 23.01	−16 48.9	2.535	3.482	6.5	20.0
5 1	12 18.20	−15 22.3	2.590	3.481	9.0	20.2
23272	2000 YR_{67}		3 30.6	169.°83	1.°1/31.7	18
2 21	13 4.31	−10 6.8	2.155	2.918	14.4	19.4
3 2	12 59.73	− 9 45.6	2.063	2.923	11.5	19.2
3 12	12 53.03	− 9 9.0	1.993	2.927	8.0	19.0
3 22	12 44.76	− 8 19.3	1.950	2.931	4.2	18.8
4 1	12 35.68	− 7 20.7	1.935	2.933	1.1	18.5
4 11	12 26.75	− 6 19.0	1.950	2.935	4.4	18.8
4 21	12 18.84	− 5 20.3	1.994	2.936	8.3	19.0
5 1	12 12.63	− 4 30.3	2.063	2.936	11.7	19.2
85422	Maedanaoe		3 30.6	151.°89	5.°3/23.7	18
2 21	13 2.81	+11 49.9	2.557	3.364	11.2	20.8
3 2	12 58.10	+13 2.8	2.489	3.374	8.8	20.6
3 12	12 51.66	+14 15.5	2.448	3.384	6.6	20.5
3 22	12 44.01	+15 22.1	2.434	3.393	5.4	20.4
4 1	12 35.81	+16 16.5	2.450	3.402	6.0	20.5
4 11	12 27.84	+16 54.3	2.493	3.410	8.0	20.6
4 21	12 20.75	+17 13.3	2.563	3.417	10.3	20.8
5 1	12 15.10	+17 13.5	2.656	3.423	12.4	20.9
20638	Lingchen		3 30.6	216.°38	1.°8/ 1.5	18
2 21	13 0.34	−11 50.9	2.120	2.885	14.5	18.7
3 2	12 56.77	−11 37.8	2.023	2.882	11.7	18.5
3 12	12 51.12	−11 8.3	1.947	2.879	8.4	18.3
3 22	12 43.89	−10 24.0	1.897	2.875	4.7	18.1
4 1	12 35.82	− 9 28.5	1.875	2.871	1.8	17.9
4 11	12 27.84	− 8 27.4	1.881	2.868	4.4	18.0
4 21	12 20.80	− 7 27.1	1.915	2.863	8.1	18.3
5 1	12 15.41	− 6 33.5	1.974	2.859	11.6	18.5
340583	2006 PG_9		3 30.6	162.°65	3.°0/ 3.0	17
2 21	13 1.64	−15 23.5	2.596	3.329	13.0	21.2
3 2	12 57.36	−15 34.8	2.499	3.332	10.7	21.1
3 12	12 51.30	−15 31.9	2.424	3.335	8.0	20.9
3 22	12 43.91	−15 15.2	2.374	3.338	5.1	20.7
4 1	12 35.83	−14 46.4	2.353	3.341	3.1	20.6
4 11	12 27.84	−14 9.0	2.361	3.343	4.1	20.7
4 21	12 20.65	−13 27.4	2.398	3.345	6.8	20.8
5 1	12 14.86	−12 46.6	2.461	3.347	9.6	21.0
297779	2001 XC_{228}		3 30.6	139.°08	0.°3/30.9	18
2 21	13 6.36	− 7 18.4	1.774	2.557	16.3	21.8
3 2	13 1.69	− 7 0.2	1.694	2.568	12.9	21.6
3 12	12 54.52	− 6 26.7	1.637	2.579	8.8	21.3
3 22	12 45.50	− 5 41.0	1.604	2.589	4.3	21.1
4 1	12 35.58	− 4 48.4	1.599	2.598	0.6	20.8
4 11	12 25.92	− 3 55.6	1.623	2.607	5.3	21.2
4 21	12 17.57	− 3 9.2	1.673	2.615	9.6	21.4
5 1	12 11.29	− 2 34.4	1.748	2.622	13.4	21.7
267218	2000 WS_{103}		3 30.6	168.°90	0.°1/30.6	17 R
2 21	13 0.89	− 7 12.2	2.403	3.178	12.8	21.2
3 2	12 56.82	− 6 35.9	2.312	3.182	10.0	21.0
3 12	12 50.94	− 5 46.9	2.244	3.185	6.8	20.8
3 22	12 43.73	− 4 48.3	2.203	3.188	3.2	20.6
4 1	12 35.87	− 3 44.7	2.192	3.191	0.5	20.3
4 11	12 28.14	− 2 41.8	2.211	3.193	4.3	20.6
4 21	12 21.27	− 1 44.7	2.258	3.194	7.8	20.8
5 1	12 15.85	− 0 58.0	2.331	3.195	10.9	21.0
249469	2009 JL_5		3 30.6	228.°46	3.°7/24.9	18
2 21	12 57.05	+ 5 56.6	2.800	3.609	10.3	21.1
3 2	12 53.64	+ 7 12.8	2.709	3.600	7.9	20.9
3 12	12 48.71	+ 8 34.0	2.644	3.591	5.5	20.7
3 22	12 42.66	+ 9 54.9	2.607	3.582	3.9	20.6
4 1	12 36.04	+11 9.7	2.600	3.572	4.4	20.6
4 11	12 29.49	+12 13.3	2.623	3.562	6.5	20.7
4 21	12 23.59	+13 1.9	2.673	3.552	9.1	20.9
5 1	12 18.87	+13 33.5	2.746	3.541	11.4	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
33196	Kaienyang		3 30.6	81.°65	0.°7/31.4	18
	h m	° ′			°	m
2 21	12 58.96	− 9 12.2	2.291	3.065	13.3	19.0
3 2	12 55.34	− 8 45.2	2.212	3.079	10.5	18.8
3 12	12 49.93	− 8 4.5	2.155	3.094	7.3	18.7
3 22	12 43.24	− 7 12.9	2.125	3.108	3.6	18.4
4 1	12 35.96	− 6 14.9	2.124	3.123	0.7	18.2
4 11	12 28.88	− 5 15.9	2.152	3.137	4.0	18.5
4 21	12 22.72	− 4 21.3	2.208	3.151	7.5	18.8
5 1	12 18.04	− 3 35.6	2.289	3.166	10.6	19.0
105094	2000 LK_1		3 30.6	208.°20	4.°9/24.5	18
2 21	13 0.08	+ 9 54.2	2.504	3.317	11.2	19.7
3 2	12 56.13	+10 56.8	2.423	3.313	8.8	19.5
3 12	12 50.44	+12 0.9	2.366	3.309	6.4	19.4
3 22	12 43.49	+13 1.1	2.337	3.305	4.9	19.3
4 1	12 35.91	+13 51.3	2.337	3.300	5.5	19.3
4 11	12 28.46	+14 26.8	2.365	3.296	7.6	19.4
4 21	12 21.83	+14 45.0	2.419	3.291	10.2	19.6
5 1	12 16.59	+14 45.0	2.496	3.285	12.5	19.7
57130	2001 PE_5		3 30.6	134.°76	5.°3/24.0	18
2 21	13 0.11	+10 48.2	2.380	3.195	11.6	18.8
3 2	12 56.17	+11 57.0	2.311	3.202	9.2	18.7
3 12	12 50.46	+13 6.5	2.266	3.208	6.8	18.5
3 22	12 43.48	+14 10.5	2.249	3.213	5.4	18.4
4 1	12 35.92	+15 2.7	2.260	3.219	6.0	18.5
4 11	12 28.56	+15 38.5	2.299	3.224	8.1	18.6
4 21	12 22.10	+15 55.5	2.363	3.229	10.6	18.8
5 1	12 17.11	+15 53.2	2.450	3.234	12.9	19.0
200972	2002 CT_{94}		3 30.6	80.°34	1.°5/31.7	18 R
2 21	13 8.47	− 8 52.1	1.490	2.276	18.7	19.7
3 2	13 3.63	− 8 58.4	1.427	2.300	14.9	19.5
3 12	12 55.93	− 8 47.4	1.383	2.323	10.3	19.3
3 22	12 46.15	− 8 21.3	1.364	2.346	5.4	19.1
4 1	12 35.49	− 7 44.8	1.371	2.369	1.5	18.9
4 11	12 25.32	− 7 4.7	1.405	2.391	5.5	19.2
4 21	12 16.79	− 6 28.1	1.465	2.413	10.1	19.5
5 1	12 10.73	− 6 0.6	1.548	2.435	14.1	19.8
116308	2003 YR_{63}		3 30.6	80.°44	2.°4/ 1.7	18
2 21	13 1.83	−12 24.1	1.642	2.420	17.6	19.8
3 2	12 58.48	−12 18.8	1.559	2.425	14.2	19.6
3 12	12 52.55	−11 53.2	1.497	2.430	10.2	19.4
3 22	12 44.64	−11 8.9	1.457	2.436	5.8	19.1
4 1	12 35.73	−10 10.1	1.444	2.441	2.4	18.9
4 11	12 27.01	− 9 4.2	1.458	2.446	5.2	19.1
4 21	12 19.59	− 7 59.3	1.498	2.451	9.6	19.4
5 1	12 14.29	− 7 3.1	1.562	2.456	13.6	19.6
24137	1999 VP_{72}		3 30.6	183.°72	0.°1/30.6	18
2 21	13 1.82	− 6 10.8	2.550	3.322	12.2	20.6
3 2	12 57.46	− 5 49.1	2.454	3.323	9.6	20.4
3 12	12 51.34	− 5 16.7	2.382	3.323	6.5	20.2
3 22	12 43.92	− 4 36.4	2.337	3.322	3.1	20.0
4 1	12 35.85	− 3 51.7	2.322	3.321	0.5	19.7
4 11	12 27.88	− 3 7.2	2.337	3.319	4.1	20.0
4 21	12 20.70	− 2 27.4	2.381	3.317	7.5	20.2
5 1	12 14.92	− 1 56.0	2.450	3.314	10.4	20.4
36325	2000 LF_{29}		3 30.6	262.°26	1.°0/31.5	18
2 21	13 2.77	− 8 46.9	2.091	2.865	14.5	19.6
3 2	12 58.86	− 8 38.3	1.978	2.844	11.6	19.4
3 12	12 52.71	− 8 15.3	1.886	2.823	8.2	19.1
3 22	12 44.74	− 7 39.5	1.819	2.802	4.2	18.8
4 1	12 35.70	− 6 54.2	1.781	2.780	1.0	18.5
4 11	12 26.55	− 6 4.9	1.772	2.757	4.7	18.8
4 21	12 18.28	− 5 17.6	1.790	2.734	8.9	19.0
5 1	12 11.71	− 4 37.8	1.833	2.711	12.7	19.1
249133	2007 YJ_{63}		3 30.6	140.°01	1.°1/29.5	18
2 21	13 3.61	− 4 8.2	1.969	2.760	14.6	21.6
3 2	12 59.26	− 3 25.8	1.890	2.771	11.4	21.4
3 12	12 52.73	− 2 30.7	1.834	2.782	7.6	21.2
3 22	12 44.62	− 1 27.5	1.804	2.791	3.5	20.9
4 1	12 35.75	− 0 22.2	1.803	2.801	1.6	20.8
4 11	12 27.13	+ 0 38.2	1.831	2.809	5.5	21.1
4 21	12 19.63	+ 1 28.1	1.887	2.818	9.4	21.4
5 1	12 13.93	+ 2 3.3	1.966	2.825	12.8	21.6
431249	2006 TH_{81}		3 30.6	230.°01	2.°0/28.4	17
2 21	13 3.77	+ 2 20.2	2.720	3.510	11.1	21.7
3 2	12 58.88	+ 2 35.8	2.619	3.500	8.6	21.5
3 12	12 52.27	+ 2 55.7	2.542	3.489	5.8	21.3
3 22	12 44.37	+ 3 17.0	2.494	3.479	3.0	21.1
4 1	12 35.79	+ 3 35.8	2.476	3.468	2.4	21.0
4 11	12 27.27	+ 3 48.7	2.488	3.456	5.0	21.2
4 21	12 19.49	+ 3 53.0	2.529	3.444	8.0	21.4
5 1	12 13.03	+ 3 46.9	2.595	3.432	10.8	21.5

327218 2005 OM_{28} 3 30.6 264.°91 1.°3/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.92	− 3 14.1	1.819	2.622	15.2	21.3
3 2	12 58.39	− 2 44.9	1.723	2.610	12.0	21.1
3 12	12 52.46	− 2 2.7	1.648	2.598	8.1	20.8
3 22	12 44.62	− 1 11.6	1.598	2.586	3.7	20.5
4 1	12 35.74	− 0 17.4	1.576	2.573	1.8	20.4
4 11	12 26.89	+ 0 32.8	1.582	2.561	6.1	20.6
4 21	12 19.10	+ 1 12.8	1.613	2.548	10.4	20.8
5 1	12 13.22	+ 1 38.1	1.668	2.536	14.3	21.0

117482 2005 CD_2 3 30.6 281.°81 1.°7/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.96	− 1 34.1	2.058	2.862	13.6	20.3
3 2	12 56.43	− 0 57.7	1.972	2.860	10.6	20.1
3 12	12 50.86	− 0 11.1	1.908	2.859	7.1	19.9
3 22	12 43.76	+ 0 41.2	1.870	2.858	3.3	19.7
4 1	12 35.89	+ 1 33.6	1.861	2.856	2.2	19.6
4 11	12 28.16	+ 2 20.1	1.880	2.855	5.7	19.8
4 21	12 21.40	+ 2 55.8	1.925	2.854	9.4	20.0
5 1	12 16.29	+ 3 17.2	1.995	2.852	12.7	20.2

61107 2000 LR_{31} 3 30.6 277.°72 1.°6/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.14	− 4 40.8	1.517	2.331	17.2	19.5
3 2	12 57.55	− 3 48.8	1.421	2.314	13.6	19.2
3 12	12 52.21	− 2 37.3	1.344	2.298	9.2	18.9
3 22	12 44.62	− 1 11.1	1.292	2.280	4.2	18.5
4 1	12 35.73	+ 0 21.3	1.266	2.263	2.3	18.3
4 11	12 26.81	+ 1 49.1	1.267	2.246	7.2	18.6
4 21	12 19.09	+ 3 2.7	1.292	2.229	12.3	18.8
5 1	12 13.61	+ 3 54.9	1.339	2.211	16.9	19.1

141043 2001 WT_{79} 3 30.6 42.°07 2.°5/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.90	+ 1 11.8	2.067	2.876	13.4	19.9
3 2	12 56.27	+ 1 45.7	1.992	2.885	10.3	19.8
3 12	12 50.66	+ 2 26.8	1.941	2.893	6.9	19.6
3 22	12 43.63	+ 3 10.4	1.916	2.902	3.5	19.4
4 1	12 35.93	+ 3 51.0	1.919	2.911	2.9	19.3
4 11	12 28.46	+ 4 23.2	1.950	2.920	6.0	19.5
4 21	12 22.00	+ 4 43.4	2.007	2.929	9.5	19.8
5 1	12 17.17	+ 4 49.2	2.088	2.939	12.5	20.0

357049 2000 SO_{248} 3 30.6 212.°59 1.°7/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.63	− 1 22.3	1.821	2.619	15.4	21.3
3 2	13 2.02	− 1 0.0	1.728	2.613	12.1	21.1
3 12	12 54.87	− 0 27.2	1.658	2.607	8.1	20.8
3 22	12 45.75	+ 0 11.9	1.613	2.600	3.8	20.6
4 1	12 35.57	+ 0 51.6	1.597	2.593	2.2	20.4
4 11	12 25.49	+ 1 25.7	1.609	2.585	6.3	20.7
4 21	12 16.57	+ 1 49.0	1.647	2.577	10.6	20.9
5 1	12 9.69	+ 1 57.9	1.709	2.568	14.4	21.1

518161 2016 GK_{259} 3 30.6 195.°55 2.°8/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.28	+ 2 13.3	2.358	3.160	12.2	21.9
3 2	12 57.17	+ 2 59.4	2.270	3.158	9.4	21.7
3 12	12 51.22	+ 3 52.2	2.206	3.156	6.3	21.5
3 22	12 43.90	+ 4 47.0	2.169	3.153	3.4	21.3
4 1	12 35.90	+ 5 38.4	2.162	3.150	3.2	21.3
4 11	12 28.01	+ 6 21.1	2.183	3.146	6.1	21.5
4 21	12 20.99	+ 6 51.1	2.232	3.142	9.2	21.6
5 1	12 15.45	+ 7 6.1	2.305	3.138	12.1	21.8

52940 1998 SV_{137} 3 30.6 86.°87 2.°1/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.13	− 0 42.6	1.401	2.215	18.3	18.8
3 2	13 3.62	− 0 26.6	1.334	2.227	14.3	18.6
3 12	12 56.10	+ 0 0.5	1.287	2.239	9.6	18.3
3 22	12 46.33	+ 0 33.3	1.263	2.251	4.5	18.1
4 1	12 35.52	+ 1 5.2	1.267	2.263	2.6	18.0
4 11	12 25.13	+ 1 29.1	1.296	2.275	7.2	18.3
4 21	12 16.41	+ 1 39.8	1.350	2.286	12.0	18.6
5 1	12 10.26	+ 1 34.6	1.426	2.297	16.1	18.8

505519 2013 YK_{11} 3 30.6 36.°28 7.°0/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.97	−25 12.4	2.024	2.724	17.1	21.0
3 2	12 56.75	−25 51.9	1.939	2.733	14.8	20.8
3 12	12 51.25	−26 8.7	1.873	2.743	12.2	20.7
3 22	12 44.01	−26 0.6	1.828	2.753	9.5	20.5
4 1	12 35.88	−25 27.8	1.807	2.764	7.4	20.4
4 11	12 27.90	−24 34.0	1.813	2.775	7.2	20.4
4 21	12 21.02	−23 25.9	1.844	2.786	8.9	20.6
5 1	12 16.00	−22 11.5	1.900	2.798	11.4	20.7

170324 2003 ST_{75} 3 30.6 124.°82 0.°6/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.44	− 5 40.3	1.868	2.657	15.4	21.5
3 2	13 0.01	− 5 4.2	1.793	2.671	12.0	21.3
3 12	12 53.29	− 4 14.1	1.740	2.686	8.1	21.1
3 22	12 44.92	− 3 14.1	1.713	2.699	3.7	20.9
4 1	12 35.77	− 2 10.4	1.714	2.713	1.0	20.7
4 11	12 26.92	− 1 9.9	1.744	2.725	5.4	21.0
4 21	12 19.28	− 0 18.9	1.801	2.737	9.5	21.3
5 1	12 13.56	+ 0 18.3	1.882	2.748	13.0	21.5

206719 2004 BW_{52} 3 30.6 53.°17 2.°3/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.09	−12 5.0	1.948	2.716	15.5	20.6
3 2	12 57.39	−12 9.0	1.871	2.731	12.5	20.4
3 12	12 51.53	−11 56.7	1.816	2.746	9.0	20.2
3 22	12 44.09	−11 29.4	1.785	2.761	5.2	20.0
4 1	12 35.91	−10 50.7	1.782	2.777	2.3	19.8
4 11	12 27.96	−10 5.7	1.806	2.792	4.5	20.0
4 21	12 21.13	− 9 20.6	1.857	2.808	8.2	20.3
5 1	12 16.09	− 8 40.8	1.933	2.824	11.6	20.5

297766 2001 XF_{151} 3 30.6 154.°21 0.°7/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.99	− 9 1.9	1.837	2.614	16.0	22.0
3 2	13 0.61	− 8 36.8	1.753	2.622	12.7	21.8
3 12	12 53.82	− 7 54.9	1.690	2.630	8.8	21.5
3 22	12 45.22	− 6 58.9	1.653	2.636	4.4	21.3
4 1	12 35.72	− 5 54.2	1.643	2.642	0.8	21.0
4 11	12 26.44	− 4 48.0	1.663	2.648	5.0	21.3
4 21	12 18.36	− 3 47.3	1.709	2.652	9.4	21.6
5 1	12 12.28	− 2 58.3	1.780	2.656	13.1	21.8

214050 2004 FU 3 30.6 114.°31 0.°1/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.64	− 6 25.2	2.369	3.150	12.7	21.0
3 2	12 55.84	− 5 55.1	2.286	3.160	10.0	20.8
3 12	12 50.28	− 5 13.5	2.226	3.169	6.7	20.6
3 22	12 43.45	− 4 23.3	2.193	3.179	3.2	20.4
4 1	12 36.02	− 3 29.1	2.189	3.188	0.6	20.2
4 11	12 28.75	− 2 36.0	2.214	3.197	4.2	20.5
4 21	12 22.36	− 1 48.9	2.268	3.206	7.7	20.8
5 1	12 17.41	− 1 11.8	2.347	3.214	10.7	21.0

379243 2009 SJ_{349} 3 30.6 69.°37 8.°7/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 12.20	+19 15.4	1.795	2.602	15.2	20.2
3 2	13 6.15	+19 55.8	1.732	2.608	12.6	20.0
3 12	12 57.45	+20 28.0	1.692	2.614	10.1	19.9
3 22	12 46.86	+20 43.7	1.676	2.620	8.8	19.8
4 1	12 35.49	+20 36.3	1.687	2.626	9.3	19.9
4 11	12 24.60	+20 2.7	1.724	2.632	11.4	20.0
4 21	12 15.28	+19 4.2	1.785	2.638	14.1	20.2
5 1	12 8.27	+17 44.1	1.867	2.644	16.6	20.4

64130 2001 TC_{26} 3 30.6 124.°01 2.°3/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.52	−14 33.5	2.587	3.328	12.8	20.1
3 2	12 55.67	−14 22.9	2.497	3.338	10.4	20.0
3 12	12 50.14	−13 57.5	2.430	3.348	7.6	19.8
3 22	12 43.38	−13 18.5	2.388	3.358	4.6	19.6
4 1	12 36.04	−12 28.8	2.375	3.367	2.4	19.5
4 11	12 28.84	−11 32.7	2.392	3.377	3.7	19.6
4 21	12 22.45	−10 35.4	2.437	3.385	6.6	19.8
5 1	12 17.42	− 9 41.7	2.509	3.394	9.5	20.0

462888 2010 WJ_2 3 30.6 260.°98 8.°7/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.57	+16 45.3	1.765	2.585	14.9	20.9
3 2	13 2.11	+17 56.5	1.688	2.574	12.2	20.7
3 12	12 54.99	+19 4.5	1.633	2.562	9.9	20.5
3 22	12 45.84	+19 59.7	1.603	2.551	8.7	20.5
4 1	12 35.64	+20 33.3	1.598	2.539	9.6	20.5
4 11	12 25.63	+20 39.3	1.619	2.527	12.0	20.6
4 21	12 16.93	+20 16.3	1.662	2.515	15.0	20.7
5 1	12 10.41	+19 26.1	1.726	2.502	17.8	20.9

403043 2008 AZ_{18} 3 30.6 114.°60 0.°1/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.31	− 6 43.5	1.877	2.660	15.5	21.7
3 2	13 0.67	− 6 22.6	1.803	2.677	12.2	21.6
3 12	12 53.74	− 5 47.8	1.750	2.693	8.3	21.3
3 22	12 45.13	− 5 2.3	1.724	2.709	3.9	21.1
4 1	12 35.77	− 4 11.4	1.725	2.724	0.6	20.9
4 11	12 26.71	− 3 21.4	1.755	2.739	5.0	21.2
4 21	12 18.89	− 2 38.1	1.813	2.753	9.1	21.5
5 1	12 12.99	− 2 6.2	1.895	2.767	12.7	21.7

316796 1999 TW_{253} 3 30.6 223.°03 2.°0/ 1.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.51	−10 10.4	2.013	2.774	15.4	21.9
3 2	13 2.64	−10 24.8	1.908	2.765	12.5	21.7
3 12	12 55.31	−10 25.5	1.824	2.754	8.9	21.4
3 22	12 46.02	−10 12.9	1.766	2.744	5.0	21.1
4 1	12 35.60	− 9 49.2	1.736	2.732	2.0	20.9
4 11	12 25.15	− 9 18.9	1.735	2.720	4.8	21.1
4 21	12 15.72	− 8 47.2	1.763	2.708	9.0	21.3
5 1	12 8.19	− 8 19.7	1.815	2.695	12.7	21.5

434870 2006 SJ_{312} 3 30.6 216.°12 1.°9/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.24	−14 4.1	2.777	3.519	12.0	22.0
3 2	12 54.65	−13 43.1	2.670	3.513	9.8	21.8
3 12	12 49.47	−13 7.5	2.585	3.506	7.1	21.6
3 22	12 43.10	−12 18.8	2.527	3.499	4.2	21.4
4 1	12 36.10	−11 19.6	2.498	3.492	2.0	21.2
4 11	12 29.15	−10 14.6	2.499	3.484	3.5	21.3
4 21	12 22.88	− 9 8.6	2.529	3.476	6.5	21.5
5 1	12 17.84	− 8 6.8	2.586	3.468	9.3	21.7

367108 2006 RX_{55} 3 30.6 236.°71 0.°6/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.33	− 5 26.7	2.090	2.874	14.1	23.3
3 2	12 59.24	− 4 54.1	1.982	2.859	11.2	23.1
3 12	12 52.93	− 4 7.7	1.898	2.843	7.6	22.8
3 22	12 44.87	− 3 10.9	1.840	2.826	3.6	22.5
4 1	12 35.81	− 2 8.6	1.811	2.809	1.0	22.3
4 11	12 26.73	− 1 7.4	1.811	2.791	5.3	22.6
4 21	12 18.56	− 0 13.5	1.838	2.773	9.4	22.8
5 1	12 12.09	+ 0 27.9	1.891	2.753	13.1	22.9

35131 1992 PE_2 3 30.6 192.°01 5.°6/ 5.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.22	−23 46.3	2.503	3.185	14.6	19.9
3 2	12 59.67	−24 11.1	2.397	3.183	12.5	19.8
3 12	12 53.07	−24 17.2	2.311	3.181	10.1	19.6
3 22	12 44.88	−24 3.0	2.248	3.178	7.7	19.4
4 1	12 35.81	−23 28.6	2.213	3.174	5.9	19.3
4 11	12 26.77	−22 37.3	2.205	3.170	5.9	19.3
4 21	12 18.60	−21 34.0	2.226	3.165	7.8	19.4
5 1	12 12.01	−20 25.5	2.273	3.159	10.3	19.5

230654 2003 SD_{99} 3 30.6 317.°32 1.°5/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.31	− 2 18.0	1.879	2.685	14.7	20.7
3 2	12 56.99	− 1 51.0	1.789	2.679	11.5	20.5
3 12	12 51.42	− 1 12.9	1.721	2.673	7.7	20.3
3 22	12 44.13	− 0 27.6	1.679	2.667	3.6	20.0
4 1	12 35.94	+ 0 19.1	1.664	2.661	1.9	19.9
4 11	12 27.85	+ 1 0.9	1.677	2.656	5.9	20.1
4 21	12 20.80	+ 1 32.5	1.716	2.651	10.0	20.3
5 1	12 15.55	+ 1 49.9	1.779	2.646	13.6	20.5

163662 2002 VR_{120} 3 30.6 182.°35 2.°3/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.71	+ 2 51.1	2.679	3.470	11.2	20.5
3 2	12 58.80	+ 3 13.3	2.589	3.470	8.7	20.4
3 12	12 52.20	+ 3 39.7	2.523	3.471	5.8	20.2
3 22	12 44.36	+ 4 7.0	2.486	3.470	3.1	20.0
4 1	12 35.91	+ 4 31.2	2.479	3.470	2.6	20.0
4 11	12 27.59	+ 4 48.6	2.503	3.468	5.2	20.1
4 21	12 20.07	+ 4 56.6	2.554	3.467	8.1	20.3
5 1	12 13.91	+ 4 53.3	2.631	3.465	10.8	20.5

83946 2001 WR_{26} 3 30.6 273.°33 0.°7/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.71	− 4 23.7	2.305	3.096	12.7	20.0
3 2	12 55.33	− 3 53.1	2.205	3.086	10.0	19.8
3 12	12 50.09	− 3 11.4	2.130	3.077	6.7	19.6
3 22	12 43.45	− 2 21.8	2.081	3.068	3.1	19.3
4 1	12 36.05	− 1 28.9	2.060	3.058	1.1	19.2
4 11	12 28.72	− 0 38.2	2.068	3.049	4.8	19.4
4 21	12 22.19	+ 0 5.4	2.104	3.039	8.4	19.6
5 1	12 17.11	+ 0 37.7	2.165	3.029	11.6	19.8

111816 2002 CL_{304} 3 30.6 254.°47 7.°1/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.36	−24 0.9	2.129	2.823	16.5	20.2
3 2	13 0.32	−24 54.2	2.021	2.813	14.4	20.0
3 12	12 53.85	−25 28.3	1.933	2.802	11.8	19.8
3 22	12 45.38	−25 40.0	1.866	2.792	9.3	19.6
4 1	12 35.73	−25 27.8	1.825	2.781	7.4	19.5
4 11	12 25.96	−24 53.8	1.810	2.770	7.4	19.4
4 21	12 17.15	−24 3.0	1.822	2.759	9.3	19.5
5 1	12 10.21	−23 2.9	1.859	2.748	12.1	19.7

111040 2001 VK_{24} 3 30.6 278.°05 1.°6/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.30	− 1 51.2	1.799	2.605	15.2	19.7
3 2	12 58.70	− 1 26.1	1.706	2.596	11.9	19.5
3 12	12 52.68	− 0 49.7	1.636	2.587	8.0	19.2
3 22	12 44.77	− 0 6.2	1.591	2.578	3.8	18.9
4 1	12 35.84	+ 0 38.5	1.573	2.569	2.1	18.8
4 11	12 26.99	+ 1 17.9	1.582	2.560	6.2	19.0
4 21	12 19.23	+ 1 46.3	1.618	2.551	10.5	19.2
5 1	12 13.42	+ 2 0.0	1.677	2.543	14.3	19.5

32713 4159 $T\text{-}_2$ 3 30.6 41.°16 0.°9/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.59	− 3 44.8	1.935	2.736	14.5	18.5
3 2	12 56.17	− 3 19.6	1.863	2.749	11.2	18.3
3 12	12 50.68	− 2 43.2	1.813	2.762	7.5	18.1
3 22	12 43.70	− 1 59.6	1.789	2.776	3.4	17.9
4 1	12 36.03	− 1 14.0	1.792	2.790	1.3	17.8
4 11	12 28.62	− 0 32.3	1.823	2.804	5.2	18.1
4 21	12 22.29	+ 0 0.6	1.881	2.819	9.0	18.3
5 1	12 17.67	+ 0 21.1	1.963	2.834	12.3	18.6

279382 2010 CO_{43} 3 30.6 85.°55 4.°9/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.72	+ 6 27.8	1.993	2.815	13.4	20.8
3 2	12 56.20	+ 7 48.6	1.929	2.827	10.3	20.6
3 12	12 50.66	+ 9 14.0	1.889	2.839	7.2	20.5
3 22	12 43.67	+10 36.7	1.875	2.851	5.1	20.4
4 1	12 36.04	+11 48.8	1.890	2.863	5.7	20.4
4 11	12 28.68	+12 43.8	1.932	2.874	8.3	20.6
4 21	12 22.38	+13 18.1	1.999	2.886	11.3	20.8
5 1	12 17.76	+13 30.7	2.088	2.898	14.0	21.0

332123 2005 VH_{66} 3 30.6 253.°49 1.°6/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.56	− 2 25.3	1.873	2.676	14.8	21.6
3 2	12 57.99	− 1 51.1	1.781	2.670	11.6	21.4
3 12	12 52.12	− 1 5.0	1.712	2.663	7.8	21.1
3 22	12 44.48	− 0 11.3	1.668	2.656	3.6	20.9
4 1	12 35.90	+ 0 44.1	1.652	2.649	2.1	20.7
4 11	12 27.41	+ 1 34.1	1.664	2.641	6.1	21.0
4 21	12 19.97	+ 2 13.0	1.702	2.634	10.2	21.2
5 1	12 14.38	+ 2 36.7	1.764	2.627	13.9	21.4

52017 2002 NB_{27} 3 30.6 259.°81 0.°5/30.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.49	− 5 47.4	1.888	2.679	15.2	20.6
3 2	12 58.89	− 5 15.9	1.780	2.660	12.0	20.3
3 12	12 52.88	− 4 29.0	1.693	2.639	8.2	20.0
3 22	12 44.92	− 3 29.8	1.632	2.619	3.9	19.7
4 1	12 35.81	− 2 23.7	1.599	2.597	1.0	19.4
4 11	12 26.62	− 1 18.1	1.594	2.576	5.7	19.7
4 21	12 18.40	− 0 20.3	1.616	2.553	10.2	19.9
5 1	12 12.04	+ 0 23.9	1.661	2.531	14.3	20.1

210553 1999 TM_{29} 3 30.6 217.°38 0.°4/31.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.80	− 8 28.1	1.980	2.758	15.0	21.1
3 2	12 58.90	− 7 58.9	1.880	2.751	11.9	20.9
3 12	12 52.72	− 7 13.4	1.803	2.743	8.3	20.6
3 22	12 44.77	− 6 14.3	1.750	2.735	4.1	20.4
4 1	12 35.85	− 5 6.5	1.726	2.725	0.6	20.1
4 11	12 26.98	− 3 57.1	1.731	2.716	5.0	20.4
4 21	12 19.11	− 2 53.0	1.764	2.705	9.2	20.6
5 1	12 13.04	− 2 0.3	1.821	2.694	13.0	20.8

14584 Lawson 3 30.6 203.°54 1.°9/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.36	− 2 16.2	1.814	2.612	15.4	19.1
3 2	13 1.05	− 1 31.6	1.723	2.608	12.1	18.9
3 12	12 54.24	− 0 34.0	1.653	2.603	8.1	18.6
3 22	12 45.50	+ 0 31.8	1.610	2.597	3.8	18.4
4 1	12 35.74	+ 1 38.8	1.595	2.591	2.5	18.3
4 11	12 26.07	+ 2 39.2	1.608	2.583	6.5	18.5
4 21	12 17.56	+ 3 26.5	1.648	2.575	10.8	18.7
5 1	12 11.06	+ 3 56.6	1.712	2.566	14.6	18.9

57244 2001 QK_{84} 3 30.6 154.°13 0.°5/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.66	− 6 41.6	1.609	2.406	17.1	20.1
3 2	12 59.93	− 6 1.2	1.528	2.411	13.5	19.9
3 12	12 53.56	− 5 2.8	1.469	2.416	9.1	19.7
3 22	12 45.19	− 3 50.9	1.433	2.420	4.3	19.4
4 1	12 35.82	− 2 32.7	1.425	2.424	1.0	19.2
4 11	12 26.67	− 1 17.2	1.445	2.427	6.0	19.5
4 21	12 18.86	− 0 12.6	1.490	2.430	10.7	19.8
5 1	12 13.22	+ 0 35.2	1.559	2.433	14.8	20.0

436952 2012 TT_{149} 3 30.6 127.°66 0.°6/31.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.91	− 8 22.1	2.522	3.291	12.4	22.1
3 2	12 55.98	− 8 1.7	2.435	3.300	9.8	22.0
3 12	12 50.36	− 7 29.4	2.371	3.309	6.7	21.8
3 22	12 43.52	− 6 47.8	2.334	3.317	3.4	21.6
4 1	12 36.09	− 6 0.3	2.326	3.325	0.6	21.4
4 11	12 28.82	− 5 11.8	2.348	3.333	3.8	21.6
4 21	12 22.35	− 4 26.7	2.399	3.341	7.1	21.8
5 1	12 17.26	− 3 49.1	2.475	3.348	10.0	22.0

506682 2006 SF_{411} 3 30.6 200.°58 0.°5/30.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.22	− 4 47.0	2.852	3.629	10.9	22.7
3 2	12 55.30	− 4 17.3	2.753	3.626	8.5	22.5
3 12	12 49.86	− 3 38.4	2.678	3.622	5.7	22.3
3 22	12 43.29	− 2 53.1	2.631	3.617	2.6	22.1
4 1	12 36.14	− 2 4.9	2.614	3.612	0.8	21.9
4 11	12 29.07	− 1 18.3	2.627	3.607	3.9	22.1
4 21	12 22.66	− 0 37.0	2.670	3.602	6.9	22.3
5 1	12 17.44	− 0 4.4	2.738	3.596	9.7	22.5

130733 2000 SU_{231} 3 30.6 355.°03 2.°8/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 19.13	− 2 9.4	1.130	1.937	22.2	18.4
3 2	13 13.74	− 4 6.3	1.046	1.932	18.0	18.1
3 12	13 4.03	− 6 3.8	0.982	1.927	12.8	17.7
3 22	12 50.60	− 7 59.0	0.941	1.924	6.9	17.4
4 1	12 34.93	− 9 47.3	0.925	1.922	2.9	17.1
4 11	12 19.25	−11 24.9	0.936	1.922	7.7	17.4
4 21	12 5.70	−12 50.9	0.972	1.923	13.7	17.7
5 1	11 55.84	−14 7.7	1.029	1.925	18.8	18.0

162722 2000 VD 3 30.6 114.°31 1.°7/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.01	−12 4.1	1.828	2.593	16.5	20.9
3 2	13 0.55	−11 41.6	1.753	2.613	13.2	20.7
3 12	12 53.72	−11 0.2	1.700	2.632	9.3	20.5
3 22	12 45.17	−10 2.4	1.671	2.650	5.1	20.3
4 1	12 35.85	− 8 53.3	1.670	2.668	1.7	20.1
4 11	12 26.85	− 7 40.2	1.698	2.685	4.8	20.3
4 21	12 19.14	− 6 30.7	1.754	2.701	8.9	20.6
5 1	12 13.41	− 5 31.3	1.834	2.716	12.5	20.8

293272 2007 CR_{40} 3 30.6 111.°94 4.°2/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.87	+ 3 49.4	2.007	2.819	13.6	21.3
3 2	12 57.81	+ 5 11.4	1.943	2.837	10.5	21.2
3 12	12 51.72	+ 6 40.1	1.903	2.854	7.1	21.0
3 22	12 44.18	+ 8 8.4	1.891	2.870	4.5	20.9
4 1	12 36.02	+ 9 28.2	1.907	2.886	4.8	20.9
4 11	12 28.15	+10 32.7	1.951	2.902	7.6	21.1
4 21	12 21.39	+11 17.7	2.022	2.917	10.8	21.3
5 1	12 16.34	+11 41.6	2.115	2.932	13.6	21.5

278907 2008 TQ_{144} 3 30.6 201.°29 0.°4/30.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.72	− 5 32.1	2.263	3.047	13.2	21.7
3 2	12 56.90	− 5 0.1	2.168	3.044	10.3	21.5
3 12	12 51.16	− 4 15.9	2.097	3.042	7.0	21.2
3 22	12 43.97	− 3 22.9	2.052	3.038	3.2	21.0
4 1	12 36.04	− 2 25.8	2.036	3.035	0.9	20.8
4 11	12 28.20	− 1 30.2	2.049	3.031	4.7	21.1
4 21	12 21.24	− 0 41.5	2.091	3.026	8.4	21.3
5 1	12 15.80	− 0 3.9	2.157	3.022	11.6	21.5

170369 2003 SC_{234} 3 30.6 148.°89 1.°7/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.31	− 2 4.6	1.995	2.788	14.4	21.0
3 2	13 0.60	− 1 26.6	1.916	2.798	11.2	20.8
3 12	12 53.70	− 0 38.0	1.859	2.807	7.5	20.6
3 22	12 45.17	+ 0 16.7	1.829	2.816	3.5	20.4
4 1	12 35.88	+ 1 11.5	1.828	2.824	2.1	20.3
4 11	12 26.83	+ 2 0.0	1.856	2.831	5.8	20.6
4 21	12 18.90	+ 2 37.4	1.911	2.837	9.6	20.8
5 1	12 12.79	+ 3 0.3	1.990	2.843	13.0	21.0

148868 2001 VV_{90} 3 30.6 218.°34 1.°4/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.98	− 2 51.6	2.702	3.491	11.1	20.9
3 2	12 54.46	− 1 58.7	2.603	3.484	8.6	20.7
3 12	12 49.36	− 0 56.0	2.529	3.477	5.7	20.5
3 22	12 43.09	+ 0 12.9	2.482	3.469	2.7	20.3
4 1	12 36.21	+ 1 22.9	2.466	3.461	1.8	20.2
4 11	12 29.40	+ 2 28.7	2.480	3.453	4.7	20.4
4 21	12 23.27	+ 3 25.8	2.522	3.444	7.8	20.5
5 1	12 18.36	+ 4 10.5	2.589	3.435	10.5	20.7

383875 2008 RA_{64} 3 30.6 239.°77 0.°7/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.43	− 4 16.9	2.377	3.159	12.7	22.0
3 2	12 58.25	− 3 50.8	2.268	3.143	10.0	21.8
3 12	12 52.12	− 3 14.0	2.183	3.127	6.8	21.6
3 22	12 44.47	− 2 29.3	2.124	3.111	3.1	21.3
4 1	12 35.98	− 1 41.0	2.096	3.094	1.0	21.1
4 11	12 27.48	− 0 54.3	2.096	3.076	4.8	21.4
4 21	12 19.76	− 0 14.1	2.125	3.058	8.4	21.5
5 1	12 13.52	+ 0 15.7	2.180	3.039	11.7	21.7

10838 Lebon 3 30.6 279.°67 0.°1/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.18	− 4 7.1	1.902	2.691	15.2	17.6
3 2	13 1.78	− 4 17.4	1.796	2.674	12.1	17.3
3 12	12 54.86	− 4 18.0	1.712	2.656	8.3	17.1
3 22	12 45.90	− 4 10.8	1.653	2.639	4.0	16.8
4 1	12 35.75	− 3 59.1	1.623	2.622	0.6	16.5
4 11	12 25.51	− 3 47.3	1.620	2.604	5.3	16.8
4 21	12 16.29	− 3 39.8	1.645	2.586	9.8	17.0
5 1	12 9.01	− 3 40.7	1.694	2.569	13.8	17.2

161830 2006 XZ_{25} 3 30.6 206.°87 0.°7/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.50	− 9 4.1	2.831	3.595	11.3	21.1
3 2	12 54.80	− 8 39.4	2.729	3.590	9.0	21.0
3 12	12 49.55	− 8 3.3	2.650	3.586	6.2	20.8
3 22	12 43.17	− 7 17.6	2.598	3.580	3.2	20.6
4 1	12 36.20	− 6 25.9	2.576	3.575	0.7	20.3
4 11	12 29.29	− 5 32.2	2.585	3.569	3.5	20.6
4 21	12 23.05	− 4 41.1	2.622	3.563	6.6	20.8
5 1	12 18.00	− 3 56.5	2.686	3.557	9.4	20.9

409765 2006 DE_{141} 3 30.6 323.°45 5.°7/25.4 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 56.12	+ 1 58.8	1.267	2.114	17.9	20.9
3 2	12 54.79	+ 3 40.3	1.189	2.103	13.9	20.6
3 12	12 50.54	+ 5 39.7	1.131	2.091	9.5	20.3
3 22	12 43.94	+ 7 46.0	1.097	2.081	6.0	20.1
4 1	12 36.06	+ 9 44.9	1.088	2.071	6.9	20.1
4 11	12 28.31	+11 22.2	1.103	2.062	11.1	20.3
4 21	12 21.97	+12 28.6	1.139	2.053	15.7	20.5
5 1	12 18.06	+13 0.2	1.194	2.045	19.9	20.7

152590 1995 OC_1 3 30.6 267.°35 0.°5/31.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.92	− 9 47.3	2.027	2.806	14.7	21.1
3 2	12 55.91	− 9 5.2	1.918	2.789	11.7	20.9
3 12	12 50.75	− 8 4.5	1.831	2.772	8.2	20.6
3 22	12 43.90	− 6 48.0	1.770	2.754	4.1	20.3
4 1	12 36.08	− 5 20.8	1.737	2.736	0.6	20.0
4 11	12 28.24	− 3 50.7	1.732	2.717	4.9	20.3
4 21	12 21.29	− 2 25.5	1.756	2.699	9.1	20.5
5 1	12 16.01	− 1 12.5	1.804	2.680	13.0	20.7

208058 1999 TC_{284} 3 30.6 240.°20 1.°3/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.48	− 4 27.0	2.039	2.829	14.2	21.3
3 2	12 58.66	− 3 36.3	1.932	2.813	11.2	21.1
3 12	12 52.60	− 2 30.8	1.848	2.796	7.5	20.8
3 22	12 44.78	− 1 14.5	1.791	2.778	3.5	20.5
4 1	12 35.95	+ 0 6.3	1.762	2.759	1.8	20.4
4 11	12 27.08	+ 1 23.8	1.763	2.739	5.8	20.6
4 21	12 19.13	+ 2 31.1	1.790	2.719	10.0	20.8
5 1	12 12.90	+ 3 22.6	1.843	2.698	13.7	21.0

311589 2006 HZ_{151} 3 30.6 324.°79 3.°1/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.61	−14 5.5	1.484	2.266	19.0	20.8
3 2	12 57.98	−14 2.0	1.397	2.263	15.6	20.6
3 12	12 52.53	−13 34.7	1.328	2.260	11.4	20.3
3 22	12 44.84	−12 44.0	1.282	2.258	6.8	20.0
4 1	12 35.94	−11 34.1	1.261	2.256	3.2	19.8
4 11	12 27.14	−10 13.5	1.265	2.254	5.7	19.9
4 21	12 19.70	− 8 52.2	1.295	2.252	10.4	20.2
5 1	12 14.58	− 7 39.7	1.348	2.250	14.8	20.4

368545 2003 YL_1 3 30.6 323.°72 18.°3/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.78	−35 32.2	1.151	1.840	28.2	20.2
3 2	13 4.16	−38 4.2	1.076	1.836	26.1	20.0
3 12	12 58.16	−40 3.8	1.012	1.833	23.7	19.8
3 22	12 48.11	−41 18.1	0.962	1.830	21.3	19.6
4 1	12 35.35	−41 35.3	0.928	1.827	19.3	19.4
4 11	12 22.23	−40 51.7	0.910	1.824	18.3	19.3
4 21	12 11.21	−39 14.5	0.910	1.822	18.9	19.4
5 1	12 4.21	−37 0.4	0.927	1.820	20.7	19.5

146463 2001 RM_{59} 3 30.6 77.°31 0.°8/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.70	− 2 14.2	1.723	2.519	16.2	19.5
3 2	13 3.49	− 2 17.8	1.655	2.537	12.7	19.3
3 12	12 55.74	− 2 12.1	1.608	2.555	8.5	19.1
3 22	12 46.15	− 2 0.2	1.586	2.573	3.9	18.8
4 1	12 35.76	− 1 46.5	1.592	2.591	1.2	18.7
4 11	12 25.75	− 1 35.9	1.627	2.609	5.6	19.0
4 21	12 17.16	− 1 32.2	1.688	2.626	9.8	19.3
5 1	12 10.73	− 1 38.4	1.774	2.644	13.5	19.5

368958 2007 BV_3 3 30.6 110.°72 4.°7/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.01	−18 3.8	1.865	2.605	17.1	21.3
3 2	12 59.24	−18 23.6	1.777	2.611	14.3	21.1
3 12	12 53.05	−18 22.7	1.709	2.617	10.9	20.9
3 22	12 44.97	−18 0.3	1.664	2.623	7.4	20.7
4 1	12 35.93	−17 18.2	1.645	2.628	4.9	20.6
4 11	12 27.02	−16 21.6	1.653	2.634	5.6	20.6
4 21	12 19.29	−15 17.7	1.688	2.639	8.8	20.8
5 1	12 13.54	−14 14.4	1.747	2.644	12.3	21.1

231847 2000 RJ_{87} 3 30.6 204.°13 0.°5/30.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.62	− 5 20.2	2.472	3.250	12.4	22.0
3 2	12 57.45	− 4 43.2	2.372	3.245	9.7	21.8
3 12	12 51.47	− 3 54.8	2.295	3.239	6.5	21.6
3 22	12 44.13	− 2 58.0	2.246	3.232	3.0	21.3
4 1	12 36.07	− 1 57.4	2.227	3.225	0.9	21.1
4 11	12 28.07	− 0 58.5	2.237	3.217	4.5	21.4
4 21	12 20.87	− 0 6.3	2.277	3.208	8.0	21.6
5 1	12 15.08	+ 0 35.1	2.342	3.199	11.1	21.8

408270 2013 FL_{18} 3 30.6 251.°62 1.°3/29.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.59	− 4 13.5	1.650	2.455	16.4	22.0
3 2	12 59.24	− 3 35.1	1.555	2.444	12.9	21.8
3 12	12 53.25	− 2 40.7	1.482	2.432	8.8	21.5
3 22	12 45.16	− 1 34.7	1.433	2.420	4.1	21.2
4 1	12 35.89	− 0 24.1	1.410	2.408	1.8	21.0
4 11	12 26.65	+ 0 42.6	1.416	2.395	6.5	21.2
4 21	12 18.58	+ 1 37.4	1.446	2.383	11.3	21.5
5 1	12 12.63	+ 2 14.9	1.500	2.370	15.5	21.7

341228 2007 RK_{150} 3 30.6 154.°59 1.°6/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.62	+ 0 28.1	2.560	3.346	11.8	21.4
3 2	12 59.58	+ 0 42.5	2.473	3.352	9.1	21.2
3 12	12 52.77	+ 1 2.6	2.411	3.358	6.1	21.0
3 22	12 44.69	+ 1 25.1	2.377	3.363	2.9	20.8
4 1	12 35.99	+ 1 46.4	2.374	3.368	1.9	20.7
4 11	12 27.45	+ 2 2.8	2.400	3.373	4.8	21.0
4 21	12 19.78	+ 2 11.4	2.455	3.377	7.9	21.2
5 1	12 13.54	+ 2 10.1	2.535	3.381	10.7	21.3

30118 2000 FC_{37} 3 30.6 236.°87 2.°5/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.30	− 0 12.2	1.788	2.591	15.4	19.5
3 2	13 1.97	+ 0 24.5	1.689	2.577	12.1	19.2
3 12	12 55.02	+ 1 12.4	1.612	2.563	8.2	19.0
3 22	12 45.99	+ 2 6.5	1.561	2.547	4.1	18.7
4 1	12 35.76	+ 3 0.1	1.538	2.531	3.0	18.6
4 11	12 25.53	+ 3 45.9	1.542	2.515	7.0	18.8
4 21	12 16.41	+ 4 17.8	1.573	2.497	11.4	19.0
5 1	12 9.35	+ 4 32.0	1.627	2.479	15.4	19.2

173299 1999 TZ_{300} 3 30.6 137.°32 2.°2/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.02	−12 28.6	2.063	2.816	15.3	21.4
3 2	13 1.17	−12 26.3	1.979	2.830	12.3	21.2
3 12	12 54.10	−12 7.7	1.917	2.843	8.9	21.0
3 22	12 45.39	−11 34.0	1.880	2.855	5.1	20.8
4 1	12 35.89	−10 48.6	1.871	2.866	2.3	20.6
4 11	12 26.60	− 9 56.9	1.892	2.877	4.5	20.8
4 21	12 18.43	− 9 4.9	1.941	2.887	8.2	21.0
5 1	12 12.10	− 8 18.5	2.015	2.897	11.6	21.2

337423 2001 RP_7 3 30.6 140.°94 0.°2/30.4 17

2 21	13 0.02	− 5 43.7	2.996	3.766	10.6	22.1
3 2	12 55.75	− 5 13.2	2.911	3.779	8.3	22.0
3 12	12 50.06	− 4 33.7	2.850	3.791	5.6	21.8
3 22	12 43.37	− 3 48.1	2.817	3.803	2.6	21.6
4 1	12 36.21	− 2 59.6	2.815	3.814	0.6	21.5
4 11	12 29.20	− 2 12.5	2.844	3.825	3.6	21.7
4 21	12 22.88	− 1 30.3	2.902	3.835	6.4	21.9
5 1	12 17.71	− 0 56.0	2.987	3.845	8.9	22.1

477182 2009 FR_{61} 3 30.6 345.°13 1.°1/29.5 16

2 21	12 57.05	− 4 9.8	2.004	2.807	14.0	21.7
3 2	12 54.31	− 3 31.3	1.915	2.803	10.9	21.5
3 12	12 49.55	− 2 40.2	1.849	2.799	7.3	21.3
3 22	12 43.27	− 1 40.4	1.808	2.796	3.4	21.0
4 1	12 36.22	− 0 37.6	1.795	2.792	1.5	20.9
4 11	12 29.27	+ 0 21.4	1.810	2.790	5.4	21.2
4 21	12 23.26	+ 1 10.8	1.851	2.787	9.2	21.4
5 1	12 18.86	+ 1 46.2	1.916	2.785	12.7	21.6

149915 2005 SA_{88} 3 30.6 355.°80 0.°8/30.1 18

2 21	13 2.79	− 3 34.0	1.609	2.417	16.6	20.4
3 2	12 59.32	− 3 24.6	1.526	2.415	13.1	20.2
3 12	12 53.23	− 3 2.6	1.464	2.414	8.9	19.9
3 22	12 45.11	− 2 31.8	1.426	2.414	4.1	19.7
4 1	12 35.94	− 1 57.4	1.415	2.413	1.2	19.4
4 11	12 26.93	− 1 25.9	1.430	2.413	6.0	19.8
4 21	12 19.19	− 1 3.1	1.471	2.413	10.6	20.0
5 1	12 13.61	− 0 53.3	1.534	2.414	14.7	20.3

224574 2005 XM_{18} 3 30.7 179.°80 3.°6/26.9 17

2 21	13 1.72	+ 3 28.4	2.053	2.864	13.4	20.6
3 2	12 57.83	+ 4 24.0	1.972	2.864	10.4	20.4
3 12	12 51.86	+ 5 26.5	1.914	2.865	7.1	20.2
3 22	12 44.34	+ 6 30.2	1.883	2.865	4.1	20.0
4 1	12 36.06	+ 7 28.1	1.880	2.865	4.2	20.0
4 11	12 27.96	+ 8 14.2	1.906	2.865	7.1	20.2
4 21	12 20.86	+ 8 44.1	1.957	2.864	10.5	20.4
5 1	12 15.45	+ 8 55.7	2.032	2.863	13.6	20.6

258130 2001 RB_{25} 3 30.7 188.°27 0.°5/31.2 17

2 21	13 2.77	− 8 13.9	2.252	3.023	13.6	22.5
3 2	12 58.53	− 7 49.6	2.156	3.022	10.8	22.2
3 12	12 52.30	− 7 11.7	2.083	3.021	7.5	22.0
3 22	12 44.55	− 6 22.6	2.036	3.019	3.7	21.8
4 1	12 36.03	− 5 26.5	2.018	3.017	0.6	21.5
4 11	12 27.60	− 4 29.2	2.030	3.014	4.4	21.8
4 21	12 20.08	− 3 36.2	2.070	3.011	8.1	22.0
5 1	12 14.15	− 2 52.3	2.136	3.006	11.5	22.2

255791 2006 SF_3 3 30.7 223.°60 1.°3/31.7 17

2 21	13 5.07	− 8 47.1	1.890	2.666	15.7	21.4
3 2	13 0.84	− 8 47.7	1.792	2.659	12.6	21.1
3 12	12 54.16	− 8 33.8	1.715	2.652	8.9	20.9
3 22	12 45.55	− 8 6.7	1.663	2.645	4.7	20.6
4 1	12 35.87	− 7 29.9	1.639	2.637	1.3	20.4
4 11	12 26.22	− 6 48.9	1.643	2.629	5.0	20.6
4 21	12 17.64	− 6 9.8	1.675	2.621	9.3	20.8
5 1	12 11.01	− 5 38.1	1.730	2.612	13.2	21.0

131181 2001 CT_{41} 3 30.7 161.°67 0.°5/31.2 17

2 21	12 59.74	− 8 48.9	2.117	2.896	14.1	20.4
3 2	12 56.28	− 8 16.6	2.027	2.898	11.2	20.2
3 12	12 50.82	− 7 29.0	1.959	2.899	7.7	20.0
3 22	12 43.86	− 6 29.1	1.917	2.901	3.8	19.8
4 1	12 36.16	− 5 21.8	1.904	2.902	0.6	19.5
4 11	12 28.58	− 4 13.5	1.919	2.904	4.5	19.8
4 21	12 21.96	− 3 10.6	1.962	2.905	8.3	20.1
5 1	12 16.93	− 2 18.3	2.030	2.906	11.8	20.3

20849 2000 VJ_1 3 30.7 84.°10 1.°9/28.9 18

2 21	13 4.37	− 3 40.4	1.588	2.393	16.9	18.6
3 2	13 0.21	− 2 40.5	1.530	2.419	13.1	18.4
3 12	12 53.54	− 1 26.2	1.493	2.445	8.6	18.2
3 22	12 45.12	− 0 4.1	1.482	2.470	4.0	18.0
4 1	12 35.99	+ 1 17.1	1.499	2.495	2.4	17.9
4 11	12 27.33	+ 2 28.7	1.543	2.519	6.6	18.2
4 21	12 20.12	+ 3 24.3	1.613	2.543	10.8	18.5
5 1	12 15.06	+ 4 0.1	1.705	2.566	14.4	18.8

522876 2016 OF_7 3 30.7 269.°18 6.°0/ 6.9 17

	h m	° ′			°	m
2 21	12 59.21	−25 29.2	2.519	3.199	14.5	21.3
3 2	12 55.84	−25 52.4	2.411	3.192	12.6	21.2
3 12	12 50.55	−25 56.1	2.322	3.186	10.4	21.0
3 22	12 43.77	−25 38.8	2.257	3.179	8.1	20.8
4 1	12 36.17	−25 0.6	2.217	3.172	6.3	20.7
4 11	12 28.59	−24 4.4	2.204	3.165	6.2	20.7
4 21	12 21.81	−22 55.5	2.218	3.158	7.7	20.8
5 1	12 16.51	−21 40.4	2.259	3.151	10.1	20.9

354814 2005 WL_{25} 3 30.7 30.°25 0.°5/30.4 18

2 21	13 3.75	− 4 52.9	1.259	2.079	19.7	21.2
3 2	13 0.72	− 4 43.5	1.187	2.083	15.5	20.9
3 12	12 54.50	− 4 17.2	1.135	2.087	10.6	20.6
3 22	12 45.81	− 3 38.0	1.104	2.092	5.0	20.3
4 1	12 35.86	− 2 52.8	1.098	2.097	1.1	20.1
4 11	12 26.21	− 2 10.3	1.117	2.102	6.8	20.5
4 21	12 18.22	− 1 38.1	1.160	2.108	12.2	20.8
5 1	12 12.90	− 1 21.8	1.223	2.114	16.8	21.1

62591 2000 ST_{303} 3 30.7 156.°66 2.°3/ 1.7 18

2 21	13 6.97	−11 5.4	2.233	2.985	14.3	20.0
3 2	13 1.84	−11 26.8	2.140	2.990	11.6	19.8
3 12	12 54.56	−11 35.5	2.069	2.995	8.4	19.6
3 22	12 45.65	−11 31.9	2.025	2.999	4.9	19.4
4 1	12 35.89	−11 17.8	2.009	3.003	2.3	19.3
4 11	12 26.25	−10 56.9	2.022	3.007	4.4	19.4
4 21	12 17.59	−10 33.6	2.065	3.010	7.8	19.6
5 1	12 10.66	−10 12.5	2.133	3.013	11.1	19.8

266307 2007 CS_{14} 3 30.7 123.°82 1.°7/ 1.3 17

2 21	13 3.29	−11 0.9	1.982	2.749	15.4	21.3
3 2	12 59.16	−10 54.0	1.898	2.758	12.3	21.1
3 12	12 52.82	−10 31.1	1.835	2.768	8.7	20.9
3 22	12 44.83	− 9 53.9	1.798	2.776	4.8	20.7
4 1	12 36.03	− 9 6.1	1.788	2.785	1.7	20.5
4 11	12 27.42	− 8 13.7	1.807	2.793	4.5	20.7
4 21	12 19.91	− 7 22.7	1.853	2.801	8.4	21.0
5 1	12 14.21	− 6 38.8	1.925	2.809	11.9	21.2

397159 2005 XR_{71} 3 30.7 155.°94 3.°5/27.7 18

2 21	13 7.61	+ 2 18.4	1.753	2.560	15.5	21.6
3 2	13 2.73	+ 3 5.7	1.678	2.568	12.1	21.4
3 12	12 55.33	+ 4 1.3	1.624	2.575	8.1	21.2
3 22	12 46.03	+ 4 59.0	1.597	2.581	4.4	21.0
4 1	12 35.84	+ 5 51.4	1.598	2.587	4.0	20.9
4 11	12 25.93	+ 6 31.5	1.626	2.592	7.5	21.2
4 21	12 17.34	+ 6 54.7	1.681	2.596	11.4	21.4
5 1	12 10.86	+ 6 59.0	1.759	2.599	14.9	21.6

272151 2005 NS_{50} 3 30.7 182.°33 1.°2/ 1.1 15

2 21	13 3.21	−10 47.8	2.576	3.327	12.6	23.1
3 2	12 58.61	−10 27.3	2.476	3.329	10.1	22.9
3 12	12 52.22	− 9 53.4	2.400	3.329	7.1	22.7
3 22	12 44.50	− 9 7.8	2.350	3.329	3.8	22.5
4 1	12 36.09	− 8 13.8	2.330	3.327	1.2	22.3
4 11	12 27.76	− 7 16.4	2.340	3.325	3.8	22.5
4 21	12 20.25	− 6 20.5	2.380	3.323	7.1	22.7
5 1	12 14.14	− 5 30.8	2.447	3.319	10.2	22.9

308163 2005 BA_{11} 3 30.7 76.°26 3.°1/28.1 18

2 21	13 4.94	+ 0 4.3	1.474	2.292	17.4	21.2
3 2	13 0.88	+ 0 57.0	1.416	2.313	13.4	21.0
3 12	12 54.12	+ 2 0.8	1.380	2.334	8.9	20.7
3 22	12 45.44	+ 3 8.4	1.368	2.355	4.5	20.5
4 1	12 35.96	+ 4 11.3	1.383	2.376	3.7	20.5
4 11	12 26.97	+ 5 1.1	1.425	2.396	7.6	20.8
4 21	12 19.53	+ 5 32.8	1.491	2.417	11.8	21.1
5 1	12 14.40	+ 5 43.9	1.579	2.437	15.5	21.4

165144 2000 QO_7 3 30.7 281.°64 4.°3/25.9 17

2 21	12 58.82	− 2 33.8	1.594	2.412	16.3	20.1
3 2	12 56.58	− 0 23.9	1.484	2.383	12.7	19.8
3 12	12 51.69	+ 2 13.3	1.397	2.353	8.6	19.5
3 22	12 44.57	+ 5 9.3	1.337	2.322	4.8	19.2
4 1	12 36.04	+ 8 10.0	1.306	2.291	5.5	19.1
4 11	12 27.31	+10 58.9	1.303	2.259	10.0	19.3
4 21	12 19.61	+13 21.9	1.326	2.227	14.9	19.5
5 1	12 13.98	+15 10.0	1.371	2.195	19.2	19.7

187458 2005 XT_{23} 3 30.7 224.°39 1.°4/29.3 18

2 21	13 3.62	− 2 2.8	2.313	3.101	12.8	20.5
3 2	12 59.20	− 1 33.4	2.210	3.090	10.0	20.3
3 12	12 52.79	− 0 54.6	2.132	3.078	6.7	20.1
3 22	12 44.83	− 0 9.8	2.080	3.066	3.2	19.8
4 1	12 36.04	+ 0 36.4	2.058	3.054	1.8	19.7
4 11	12 27.27	+ 1 18.4	2.065	3.041	5.2	19.9
4 21	12 19.35	+ 1 51.9	2.100	3.027	8.8	20.1
5 1	12 12.98	+ 2 13.3	2.160	3.012	12.1	20.3

453289 2008 TX_{165} 3 30.7 172.°42 3.°6/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.78	−14 10.7	1.672	2.432	18.0	21.7
3 2	13 2.52	−14 27.4	1.583	2.435	14.8	21.5
3 12	12 55.47	−14 24.4	1.513	2.437	11.0	21.2
3 22	12 46.24	−14 1.3	1.467	2.438	6.8	21.0
4 1	12 35.82	−13 20.5	1.447	2.439	3.7	20.8
4 11	12 25.52	−12 27.9	1.455	2.440	5.6	20.9
4 21	12 16.54	−11 31.2	1.489	2.440	9.8	21.1
5 1	12 9.83	−10 38.5	1.547	2.440	13.8	21.4

171250 2005 MU_{14} 3 30.7 82.°64 3.°2/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.10	+ 1 54.0	2.180	2.992	12.7	20.1
3 2	12 54.87	+ 3 0.7	2.102	2.997	9.8	19.9
3 12	12 49.80	+ 4 15.6	2.048	3.001	6.5	19.7
3 22	12 43.37	+ 5 32.7	2.021	3.005	3.7	19.6
4 1	12 36.29	+ 6 45.4	2.023	3.009	3.8	19.6
4 11	12 29.38	+ 7 47.2	2.053	3.013	6.6	19.8
4 21	12 23.37	+ 8 33.6	2.109	3.017	9.8	20.0
5 1	12 18.87	+ 9 1.8	2.189	3.021	12.7	20.2

411465 2010 XU_{38} 3 30.7 116.°95 9.°8/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.38	+22 26.5	1.948	2.756	14.1	21.2
3 2	13 2.27	+23 56.7	1.902	2.770	12.0	21.0
3 12	12 54.81	+25 17.3	1.879	2.784	10.3	21.0
3 22	12 45.71	+26 19.1	1.882	2.798	9.8	20.9
4 1	12 35.95	+26 54.8	1.910	2.811	10.7	21.0
4 11	12 26.64	+27 0.9	1.962	2.823	12.5	21.2
4 21	12 18.71	+26 37.9	2.036	2.836	14.5	21.3
5 1	12 12.82	+25 49.1	2.129	2.847	16.5	21.5

52478 1995 TO 3 30.7 148.°77 0.°3/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.59	− 5 42.3	1.708	2.497	16.6	19.6
3 2	13 2.85	− 5 23.0	1.628	2.506	13.1	19.4
3 12	12 55.49	− 4 49.4	1.569	2.514	8.9	19.2
3 22	12 46.16	− 4 4.7	1.536	2.522	4.2	18.9
4 1	12 35.86	− 3 14.6	1.530	2.529	0.8	18.7
4 11	12 25.81	− 2 26.2	1.552	2.535	5.6	19.0
4 21	12 17.10	− 1 45.7	1.601	2.541	10.1	19.3
5 1	12 10.57	− 1 18.1	1.674	2.545	14.1	19.5

331541 2000 TQ_{20} 3 30.7 220.°34 4.°8/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.04	+ 8 59.7	2.308	3.113	12.3	21.1
3 2	13 0.26	+ 9 48.3	2.217	3.104	9.7	20.9
3 12	12 53.46	+10 39.0	2.152	3.095	7.0	20.7
3 22	12 45.13	+11 26.2	2.113	3.085	5.0	20.6
4 1	12 36.02	+12 3.9	2.103	3.074	5.3	20.6
4 11	12 27.00	+12 27.0	2.122	3.063	7.8	20.7
4 21	12 18.91	+12 32.9	2.167	3.051	10.7	20.9
5 1	12 12.42	+12 20.6	2.236	3.039	13.4	21.0

86650 2000 EW_{153} 3 30.7 302.°32 4.°8/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.70	+ 2 52.2	1.299	2.137	18.1	19.6
3 2	12 59.33	+ 3 44.3	1.211	2.118	14.3	19.3
3 12	12 53.79	+ 4 49.0	1.142	2.100	9.8	18.9
3 22	12 45.63	+ 5 58.5	1.096	2.082	5.7	18.6
4 1	12 35.92	+ 7 2.3	1.075	2.064	5.6	18.6
4 11	12 26.18	+ 7 49.6	1.078	2.046	10.0	18.8
4 21	12 17.86	+ 8 13.0	1.103	2.029	15.0	19.0
5 1	12 12.14	+ 8 9.0	1.147	2.012	19.6	19.2

17662 1996 VG_{30} 3 30.7 53.°37 4.°1/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.82	−17 36.7	1.634	2.392	18.5	17.2
3 2	12 57.66	−17 35.8	1.566	2.413	15.2	17.0
3 12	12 51.98	−17 10.6	1.516	2.434	11.4	16.8
3 22	12 44.47	−16 22.0	1.489	2.455	7.4	16.7
4 1	12 36.14	−15 14.1	1.488	2.476	4.3	16.5
4 11	12 28.15	−13 54.6	1.513	2.498	5.4	16.6
4 21	12 21.53	−12 32.6	1.564	2.520	9.0	16.9
5 1	12 17.00	−11 16.8	1.640	2.542	12.6	17.1

186054 2001 SC_{54} 3 30.7 191.°06 2.°1/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.33	+ 1 14.3	2.416	3.203	12.3	21.5
3 2	13 1.12	+ 1 39.2	2.322	3.202	9.6	21.3
3 12	12 53.96	+ 2 10.3	2.253	3.200	6.5	21.1
3 22	12 45.35	+ 2 43.8	2.212	3.197	3.2	20.9
4 1	12 36.00	+ 3 15.3	2.200	3.193	2.5	20.8
4 11	12 26.76	+ 3 40.4	2.219	3.189	5.5	21.0
4 21	12 18.42	+ 3 55.5	2.266	3.184	8.8	21.2
5 1	12 11.62	+ 3 58.5	2.339	3.178	11.8	21.4

30557 2001 OD_{67} 3 30.7 147.°00 0.°8/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.40	− 5 4.4	2.268	3.050	13.2	20.3
3 2	12 58.11	− 4 20.6	2.185	3.061	10.3	20.1
3 12	12 51.93	− 3 24.9	2.126	3.071	6.9	19.9
3 22	12 44.37	− 2 21.1	2.093	3.080	3.2	19.7
4 1	12 36.16	− 1 14.7	2.091	3.088	1.2	19.5
4 11	12 28.14	− 0 11.6	2.118	3.096	4.8	19.8
4 21	12 21.06	+ 0 42.8	2.173	3.104	8.4	20.0
5 1	12 15.54	+ 1 24.5	2.253	3.111	11.5	20.2

64545 2001 VB_{122} 3 30.7 102.°31 3.°4/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.50	+ 4 14.2	2.428	3.236	11.7	19.8
3 2	12 55.68	+ 5 12.2	2.357	3.249	9.0	19.6
3 12	12 50.19	+ 6 15.0	2.312	3.262	6.1	19.5
3 22	12 43.51	+ 7 17.3	2.294	3.274	3.7	19.3
4 1	12 36.30	+ 8 13.6	2.305	3.287	3.9	19.4
4 11	12 29.29	+ 8 58.9	2.345	3.299	6.3	19.5
4 21	12 23.15	+ 9 29.9	2.412	3.311	9.1	19.7
5 1	12 18.39	+ 9 44.8	2.503	3.323	11.6	19.9

189595 2000 WU_{86} 3 30.7 126.°54 1.°9/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.59	−12 15.8	2.226	2.982	14.2	20.7
3 2	12 58.36	−12 6.3	2.141	2.994	11.5	20.5
3 12	12 52.15	−11 41.3	2.078	3.005	8.2	20.3
3 22	12 44.49	−11 2.5	2.041	3.017	4.6	20.1
4 1	12 36.14	−10 13.4	2.032	3.028	1.9	20.0
4 11	12 27.97	− 9 19.0	2.052	3.038	4.1	20.1
4 21	12 20.78	− 8 25.2	2.100	3.048	7.6	20.4
5 1	12 15.20	− 7 37.2	2.175	3.058	10.8	20.6

297929 2002 EL_{80} 3 30.7 94.°74 0.°9/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.16	− 4 35.1	1.593	2.393	17.1	21.2
3 2	13 1.71	− 4 3.2	1.528	2.413	13.4	21.0
3 12	12 54.65	− 3 16.9	1.485	2.433	8.9	20.8
3 22	12 45.71	− 2 21.1	1.465	2.453	4.1	20.5
4 1	12 35.96	− 1 22.6	1.474	2.472	1.4	20.4
4 11	12 26.63	− 0 29.3	1.509	2.491	6.0	20.7
4 21	12 18.76	+ 0 12.7	1.571	2.509	10.5	21.0
5 1	12 13.10	+ 0 39.1	1.656	2.527	14.2	21.3

495098 2011 SO_{221} 3 30.7 246.°39 0.°5/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.98	− 5 40.3	1.705	2.499	16.4	22.8
3 2	13 1.17	− 5 13.3	1.602	2.483	13.1	22.6
3 12	12 54.65	− 4 30.0	1.520	2.466	9.0	22.3
3 22	12 45.92	− 3 33.8	1.462	2.449	4.2	21.9
4 1	12 35.89	− 2 30.3	1.432	2.431	1.0	21.7
4 11	12 25.79	− 1 27.4	1.430	2.412	6.1	22.0
4 21	12 16.80	− 0 33.1	1.454	2.393	11.0	22.2
5 1	12 9.94	+ 0 6.6	1.501	2.373	15.4	22.4

466614 2014 VL_{12} 3 30.7 181.°22 1.°0/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.96	− 3 34.7	2.178	2.962	13.6	22.5
3 2	13 0.28	− 3 2.6	2.087	2.964	10.7	22.3
3 12	12 53.50	− 2 19.6	2.019	2.965	7.2	22.1
3 22	12 45.17	− 1 29.2	1.978	2.965	3.3	21.9
4 1	12 36.03	− 0 36.5	1.966	2.964	1.4	21.7
4 11	12 27.03	+ 0 12.6	1.984	2.962	5.2	22.0
4 21	12 19.00	+ 0 53.1	2.030	2.960	8.9	22.2
5 1	12 12.65	+ 1 21.3	2.101	2.957	12.3	22.4

490903 2011 BC_{109} 3 30.7 200.°25 0.°4/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.05	− 8 12.0	2.065	2.845	14.4	22.0
3 2	12 57.41	− 7 43.7	1.971	2.843	11.4	21.7
3 12	12 51.67	− 7 0.4	1.900	2.841	7.9	21.5
3 22	12 44.33	− 6 4.9	1.854	2.838	3.9	21.3
4 1	12 36.16	− 5 2.0	1.837	2.836	0.6	21.0
4 11	12 28.09	− 3 58.1	1.848	2.833	4.7	21.3
4 21	12 20.99	− 2 59.6	1.887	2.829	8.7	21.5
5 1	12 15.56	− 2 11.8	1.950	2.826	12.2	21.7

316814 1999 VC_{165} 3 30.7 161.°02 1.°0/29.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.04	− 3 23.5	2.181	2.963	13.7	22.4
3 2	13 1.05	− 2 56.9	2.095	2.971	10.7	22.2
3 12	12 53.97	− 2 20.1	2.033	2.978	7.2	22.0
3 22	12 45.37	− 1 36.5	1.997	2.984	3.3	21.8
4 1	12 36.01	− 0 51.0	1.991	2.989	1.3	21.7
4 11	12 26.83	− 0 9.0	2.015	2.994	5.1	21.9
4 21	12 18.68	+ 0 24.9	2.067	2.997	8.8	22.2
5 1	12 12.24	+ 0 47.1	2.144	3.000	12.0	22.4

217895 2001 RV_{151} 3 30.7 227.°12 5.°4/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.35	+ 6 38.3	2.024	2.844	13.3	20.5
3 2	12 56.92	+ 8 16.4	1.939	2.835	10.4	20.3
3 12	12 51.37	+10 2.0	1.878	2.827	7.4	20.1
3 22	12 44.21	+11 46.9	1.845	2.817	5.5	19.9
4 1	12 36.18	+13 22.0	1.840	2.808	6.3	20.0
4 11	12 28.25	+14 39.2	1.863	2.798	9.1	20.1
4 21	12 21.28	+15 33.3	1.911	2.787	12.2	20.3
5 1	12 15.99	+16 2.4	1.981	2.776	15.1	20.4

43408 2000 WW_{137} 3 30.7 104.°48 1.°0/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.16	− 8 48.7	1.676	2.460	17.1	19.4
3 2	13 0.96	− 8 38.0	1.600	2.473	13.6	19.2
3 12	12 54.21	− 8 10.4	1.546	2.486	9.4	18.9
3 22	12 45.55	− 7 28.7	1.516	2.499	4.8	18.7
4 1	12 35.99	− 6 37.8	1.513	2.511	1.0	18.5
4 11	12 26.72	− 5 44.8	1.537	2.523	5.2	18.8
4 21	12 18.79	− 4 56.6	1.588	2.535	9.6	19.1
5 1	12 13.00	− 4 19.1	1.663	2.547	13.5	19.3

9762 Hermannhesse 3 30.7 83.°81 1.°3/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.65	− 8 37.1	1.423	2.219	19.0	18.6
3 2	13 1.89	− 8 39.8	1.347	2.226	15.2	18.3
3 12	12 55.15	− 8 24.3	1.291	2.234	10.6	18.1
3 22	12 46.10	− 7 52.8	1.258	2.241	5.5	17.8
4 1	12 35.90	− 7 10.0	1.250	2.249	1.4	17.5
4 11	12 25.97	− 6 23.5	1.269	2.256	5.8	17.8
4 21	12 17.58	− 5 41.1	1.313	2.264	10.8	18.1
5 1	12 11.69	− 5 9.4	1.379	2.271	15.2	18.4

212626 2006 TZ_{27} 3 30.7 317.°65 5.°6/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.67	+12 20.9	2.141	2.951	12.9	19.8
3 2	13 0.87	+12 49.9	2.058	2.944	10.3	19.6
3 12	12 53.92	+13 17.2	1.998	2.937	7.7	19.4
3 22	12 45.37	+13 37.0	1.964	2.930	5.8	19.3
4 1	12 36.02	+13 43.9	1.958	2.924	6.2	19.3
4 11	12 26.85	+13 34.0	1.980	2.917	8.5	19.4
4 21	12 18.74	+13 5.8	2.028	2.911	11.3	19.6
5 1	12 12.39	+12 20.0	2.098	2.905	14.0	19.7

418365 2008 GT_{119} 3 30.7 293.°88 7.°7/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.28	+14 22.9	1.709	2.530	15.3	20.4
3 2	13 2.73	+15 13.6	1.633	2.522	12.4	20.2
3 12	12 55.49	+16 1.8	1.578	2.515	9.5	20.0
3 22	12 46.20	+16 39.1	1.547	2.507	7.8	19.9
4 1	12 35.89	+16 57.3	1.543	2.500	8.4	19.9
4 11	12 25.81	+16 51.0	1.565	2.492	11.0	20.0
4 21	12 17.09	+16 19.1	1.610	2.485	14.2	20.2
5 1	12 10.58	+15 23.2	1.676	2.478	17.2	20.4

207842 2007 UX_{78} 3 30.7 203.°17 0.°6/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.47	− 4 28.5	2.430	3.215	12.4	21.2
3 2	12 56.59	− 4 3.4	2.336	3.212	9.7	21.0
3 12	12 50.93	− 3 28.1	2.265	3.210	6.5	20.8
3 22	12 43.93	− 2 45.7	2.220	3.207	3.0	20.6
4 1	12 36.24	− 2 0.4	2.205	3.204	0.9	20.4
4 11	12 28.65	− 1 16.8	2.220	3.200	4.4	20.6
4 21	12 21.87	− 0 39.6	2.262	3.197	7.9	20.9
5 1	12 16.49	− 0 12.2	2.330	3.193	10.9	21.0

345678 2006 UQ_{97} 3 30.7 44.°28 6.°7/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.07	+15 58.2	2.147	2.957	12.9	20.4
3 2	13 1.01	+16 35.7	2.083	2.965	10.4	20.2
3 12	12 53.87	+17 8.5	2.042	2.973	8.1	20.1
3 22	12 45.27	+17 30.4	2.028	2.981	6.7	20.0
4 1	12 36.05	+17 36.0	2.041	2.990	7.2	20.1
4 11	12 27.17	+17 22.2	2.080	2.999	9.2	20.2
4 21	12 19.45	+16 48.7	2.145	3.008	11.7	20.4
5 1	12 13.50	+15 56.8	2.233	3.017	14.0	20.5

520924 2014 WW_{532} 3 30.7 359.°93 5.°8/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.00	−22 10.4	1.894	2.619	17.4	20.8
3 2	12 56.22	−22 25.0	1.800	2.619	14.8	20.6
3 12	12 51.09	−22 15.6	1.725	2.618	11.8	20.4
3 22	12 44.14	−21 40.9	1.672	2.618	8.6	20.2
4 1	12 36.21	−20 42.4	1.644	2.618	6.1	20.0
4 11	12 28.37	−19 25.2	1.642	2.619	6.2	20.1
4 21	12 21.63	−17 57.4	1.667	2.619	8.8	20.2
5 1	12 16.78	−16 28.2	1.716	2.620	12.1	20.4

262063 2006 RM_{41} 3 30.7 142.°02 1.°5/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.86	− 1 47.5	2.072	2.862	14.0	22.1
3 2	13 0.97	− 1 18.2	1.993	2.873	10.9	21.9
3 12	12 53.94	− 0 39.5	1.937	2.884	7.3	21.7
3 22	12 45.36	+ 0 4.6	1.908	2.894	3.4	21.4
4 1	12 36.04	+ 0 48.8	1.908	2.904	1.9	21.3
4 11	12 26.96	+ 1 27.5	1.937	2.913	5.5	21.6
4 21	12 18.98	+ 1 56.3	1.994	2.921	9.2	21.8
5 1	12 12.77	+ 2 12.1	2.075	2.929	12.5	22.1

213180 2000 SD_{173} 3 30.7 283.°74 4.°1/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 53.24	−28 35.1	4.514	5.144	9.1	19.9
3 2	12 50.32	−28 34.1	4.391	5.132	8.0	19.8
3 12	12 46.38	−28 20.2	4.289	5.120	6.7	19.7
3 22	12 41.69	−27 53.2	4.211	5.108	5.4	19.6
4 1	12 36.61	−27 13.6	4.160	5.096	4.3	19.5
4 11	12 31.56	−26 23.2	4.137	5.084	4.1	19.5
4 21	12 26.93	−25 24.7	4.143	5.072	4.8	19.5
5 1	12 23.06	−24 21.4	4.177	5.060	6.1	19.6

333422 2003 KJ_{2} 3 30.7 289.°92 5.°4/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.92	+ 6 24.4	1.828	2.654	14.2	20.8
3 2	12 56.97	+ 7 40.2	1.732	2.631	11.2	20.6
3 12	12 51.66	+ 9 4.2	1.658	2.609	7.9	20.3
3 22	12 44.45	+10 28.8	1.610	2.586	5.6	20.1
4 1	12 36.17	+11 44.8	1.589	2.564	6.3	20.1
4 11	12 27.86	+12 43.7	1.595	2.541	9.4	20.3
4 21	12 20.55	+13 20.0	1.625	2.518	13.1	20.4
5 1	12 15.08	+13 31.0	1.676	2.496	16.5	20.6

320681 2008 CO_{209} 3 30.7 92.°92 2.°2/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.11	−13 15.8	1.714	2.485	17.2	20.8
3 2	12 58.58	−12 55.7	1.637	2.498	13.9	20.6
3 12	12 52.60	−12 14.5	1.580	2.512	10.0	20.3
3 22	12 44.80	−11 14.4	1.547	2.525	5.6	20.1
4 1	12 36.15	−10 0.6	1.541	2.538	2.2	19.9
4 11	12 27.77	− 8 40.9	1.563	2.550	4.9	20.1
4 21	12 20.66	− 7 24.0	1.611	2.563	9.1	20.4
5 1	12 15.58	− 6 17.1	1.684	2.575	13.0	20.6

508422 2016 JM_{30} 3 30.7 291.°36 2.°2/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.86	−13 55.9	1.818	2.590	16.4	21.2
3 2	12 55.45	−13 27.7	1.709	2.571	13.4	21.0
3 12	12 50.69	−12 36.6	1.621	2.552	9.7	20.7
3 22	12 44.02	−11 23.8	1.556	2.533	5.6	20.4
4 1	12 36.25	− 9 53.6	1.518	2.514	2.2	20.2
4 11	12 28.42	− 8 14.1	1.508	2.496	5.0	20.3
4 21	12 21.58	− 6 34.6	1.524	2.477	9.4	20.5
5 1	12 16.60	− 5 4.6	1.565	2.458	13.6	20.7

110781 2001 UW_{31} 3 30.7 304.°39 5.°5/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.90	+ 8 11.7	1.596	2.418	16.1	19.5
3 2	13 2.80	+ 8 38.0	1.504	2.401	12.8	19.2
3 12	12 55.80	+ 9 6.8	1.434	2.384	9.1	19.0
3 22	12 46.49	+ 9 31.2	1.388	2.367	6.0	18.8
4 1	12 35.88	+ 9 43.8	1.369	2.350	6.0	18.7
4 11	12 25.30	+ 9 38.4	1.375	2.333	9.4	18.9
4 21	12 16.02	+ 9 12.0	1.406	2.317	13.5	19.0
5 1	12 9.06	+ 8 24.7	1.458	2.301	17.3	19.2

455276 2001 XW_{220} 3 30.7 173.°15 3.°5/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.24	+ 2 47.5	1.898	2.701	14.6	22.1
3 2	13 2.33	+ 3 35.5	1.817	2.705	11.4	21.9
3 12	12 55.03	+ 4 31.1	1.759	2.708	7.7	21.6
3 22	12 45.95	+ 5 28.4	1.727	2.711	4.3	21.4
4 1	12 35.98	+ 6 20.4	1.724	2.712	4.0	21.4
4 11	12 26.23	+ 7 0.6	1.750	2.713	7.3	21.6
4 21	12 17.67	+ 7 24.6	1.802	2.713	11.0	21.8
5 1	12 11.07	+ 7 30.3	1.877	2.712	14.4	22.0

248697 2006 KM_{118} 3 30.7 267.°75 0.°1/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.29	− 6 49.5	1.746	2.538	16.2	22.0
3 2	12 59.86	− 6 26.5	1.637	2.516	12.9	21.7
3 12	12 53.80	− 5 46.8	1.548	2.493	9.0	21.4
3 22	12 45.57	− 4 52.7	1.484	2.470	4.3	21.1
4 1	12 36.02	− 3 49.6	1.448	2.447	0.7	20.8
4 11	12 26.32	− 2 44.9	1.439	2.423	5.8	21.1
4 21	12 17.64	− 1 46.6	1.456	2.398	10.7	21.3
5 1	12 10.99	− 1 1.5	1.496	2.373	15.1	21.5

417526 2006 TZ_{30} 3 30.7 58.°18 2.°8/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.49	+ 1 23.0	1.515	2.332	17.1	21.4
3 2	13 2.13	+ 1 41.9	1.451	2.346	13.3	21.2
3 12	12 55.04	+ 2 8.8	1.409	2.361	8.9	21.0
3 22	12 45.96	+ 2 38.4	1.390	2.377	4.4	20.8
4 1	12 36.01	+ 3 4.2	1.398	2.392	3.2	20.7
4 11	12 26.48	+ 3 20.1	1.433	2.408	7.2	21.0
4 21	12 18.48	+ 3 22.2	1.493	2.424	11.4	21.3
5 1	12 12.80	+ 3 8.7	1.575	2.440	15.2	21.6

434803 2006 RY_{58} 3 30.7 247.°27 0.°4/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.56	− 3 54.0	2.410	3.192	12.5	21.4
3 2	12 58.29	− 3 47.7	2.310	3.185	9.9	21.2
3 12	12 52.14	− 3 32.7	2.233	3.177	6.7	21.0
3 22	12 44.56	− 3 11.2	2.183	3.169	3.1	20.7
4 1	12 36.21	− 2 46.8	2.162	3.161	0.7	20.5
4 11	12 27.91	− 2 23.5	2.171	3.153	4.4	20.8
4 21	12 20.42	− 2 5.0	2.208	3.145	7.9	21.0
5 1	12 14.39	− 1 54.7	2.270	3.136	11.1	21.2

297541 2001 PW_{41} 3 30.7 203.°41 3.°5/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.78	−15 29.4	1.968	2.709	16.3	21.5
3 2	13 2.22	−15 37.9	1.865	2.705	13.5	21.3
3 12	12 55.16	−15 27.5	1.783	2.699	10.1	21.1
3 22	12 46.12	−14 58.0	1.725	2.692	6.4	20.8
4 1	12 35.97	−14 11.4	1.695	2.685	3.6	20.6
4 11	12 25.82	−13 12.8	1.693	2.677	5.2	20.7
4 21	12 16.74	−12 9.3	1.719	2.668	8.9	20.9
5 1	12 9.63	−11 8.3	1.770	2.658	12.6	21.1

489341 2006 UN_{24} 3 30.7 119.°23 0.°8/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.29	− 2 28.8	2.523	3.308	12.0	21.1
3 2	12 57.85	− 2 16.3	2.439	3.316	9.3	21.0
3 12	12 51.69	− 1 56.2	2.378	3.323	6.2	20.8
3 22	12 44.28	− 1 31.4	2.345	3.331	2.9	20.6
4 1	12 36.28	− 1 5.4	2.341	3.339	1.1	20.4
4 11	12 28.43	− 0 42.1	2.367	3.346	4.3	20.7
4 21	12 21.41	− 0 24.9	2.421	3.353	7.6	20.9
5 1	12 15.80	− 0 16.4	2.501	3.360	10.4	21.1

72098 2000 YY_{49} 3 30.7 174.°18 3.°9/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.79	+ 3 32.8	1.876	2.686	14.5	19.8
3 2	13 0.45	+ 4 30.4	1.797	2.689	11.3	19.6
3 12	12 53.79	+ 5 35.5	1.741	2.691	7.7	19.4
3 22	12 45.38	+ 6 41.8	1.711	2.693	4.5	19.2
4 1	12 36.10	+ 7 41.6	1.709	2.693	4.5	19.2
4 11	12 27.03	+ 8 28.0	1.735	2.694	7.7	19.4
4 21	12 19.12	+ 8 56.5	1.787	2.694	11.3	19.6
5 1	12 13.12	+ 9 5.0	1.861	2.693	14.6	19.8

312225 2007 XP_{1} 3 30.7 47.°07 2.°9/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.07	− 0 20.4	1.344	2.171	18.2	21.0
3 2	12 59.79	+ 0 18.3	1.284	2.185	14.1	20.7
3 12	12 53.63	+ 1 9.2	1.244	2.200	9.4	20.5
3 22	12 45.34	+ 2 5.4	1.227	2.215	4.6	20.3
4 1	12 36.12	+ 2 58.3	1.236	2.230	3.4	20.2
4 11	12 27.34	+ 3 39.6	1.270	2.246	7.7	20.5
4 21	12 20.16	+ 4 3.5	1.328	2.262	12.3	20.8
5 1	12 15.40	+ 4 7.5	1.407	2.278	16.2	21.1

387309 2012 VG_{57} 3 30.7 266.°45 2.°5/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.30	−15 1.8	2.275	3.026	14.1	21.4
3 2	12 55.20	−14 45.4	2.171	3.017	11.6	21.2
3 12	12 50.17	−14 11.1	2.088	3.009	8.5	21.0
3 22	12 43.66	−13 19.9	2.030	3.001	5.2	20.8
4 1	12 36.36	−12 15.0	2.000	2.993	2.6	20.6
4 11	12 29.11	−11 1.8	1.998	2.984	4.2	20.7
4 21	12 22.68	− 9 46.8	2.024	2.976	7.6	20.8
5 1	12 17.75	− 8 36.6	2.077	2.967	10.9	21.0

185521 2007 VA_{67} 3 30.7 30.°58 0.°6/31.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.18	− 7 56.9	1.918	2.708	15.0	20.5
3 2	12 56.03	− 7 43.4	1.840	2.716	11.9	20.3
3 12	12 50.76	− 7 15.6	1.782	2.725	8.2	20.1
3 22	12 43.92	− 6 36.2	1.750	2.734	4.1	19.9
4 1	12 36.34	− 5 49.8	1.745	2.744	0.7	19.6
4 11	12 28.95	− 5 2.3	1.768	2.754	4.6	19.9
4 21	12 22.61	− 4 19.5	1.817	2.764	8.6	20.2
5 1	12 18.01	− 3 46.2	1.890	2.775	12.1	20.4

431271 2006 UX_{93} 3 30.7 243.°38 1.°4/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.06	− 1 26.6	2.615	3.406	11.4	21.7
3 2	12 56.22	− 0 53.8	2.512	3.393	8.9	21.5
3 12	12 50.68	− 0 12.7	2.432	3.380	6.0	21.2
3 22	12 43.86	+ 0 33.3	2.380	3.367	2.8	21.0
4 1	12 36.35	+ 1 19.8	2.358	3.354	1.8	20.9
4 11	12 28.86	+ 2 2.2	2.366	3.340	4.8	21.1
4 21	12 22.08	+ 2 36.5	2.401	3.326	8.0	21.3
5 1	12 16.59	+ 2 59.6	2.462	3.311	10.9	21.4

495089 2011 SA_{29} 3 30.7 269.°57 0.°6/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.35	− 7 32.2	1.592	2.384	17.5	22.4
3 2	13 1.86	− 7 21.9	1.481	2.359	14.1	22.1
3 12	12 55.43	− 6 54.0	1.391	2.334	9.9	21.8
3 22	12 46.47	− 6 10.2	1.323	2.308	5.0	21.4
4 1	12 35.91	− 5 14.9	1.283	2.282	0.7	21.1
4 11	12 25.08	− 4 15.8	1.269	2.255	6.1	21.4
4 21	12 15.35	− 3 21.1	1.281	2.227	11.5	21.6
5 1	12 7.90	− 2 38.8	1.315	2.199	16.4	21.8

289907 2005 NG_{6} 3 30.7 112.°82 0.°6/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.88	− 5 31.6	2.097	2.879	14.1	21.6
3 2	12 59.34	− 4 50.8	2.025	2.900	11.0	21.4
3 12	12 52.80	− 3 57.5	1.976	2.921	7.4	21.2
3 22	12 44.83	− 2 55.9	1.954	2.941	3.4	21.0
4 1	12 36.24	− 1 51.6	1.961	2.960	1.0	20.9
4 11	12 27.94	− 0 50.8	1.998	2.978	4.9	21.2
4 21	12 20.73	+ 0 0.9	2.063	2.996	8.6	21.4
5 1	12 15.21	+ 0 39.7	2.152	3.014	11.8	21.7

376253 2011 FV_{1} 3 30.7 70.°29 2.°2/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.82	+ 0 5.7	1.898	2.704	14.5	20.4
3 2	12 58.92	+ 0 34.0	1.815	2.705	11.3	20.2
3 12	12 52.76	+ 1 11.1	1.755	2.706	7.6	19.9
3 22	12 44.92	+ 1 52.4	1.721	2.708	3.7	19.7
4 1	12 36.23	+ 2 32.1	1.714	2.709	2.7	19.6
4 11	12 27.71	+ 3 4.4	1.736	2.710	6.2	19.8
4 21	12 20.29	+ 3 24.8	1.783	2.711	10.1	20.1
5 1	12 14.70	+ 3 30.4	1.855	2.712	13.5	20.3

160545 1998 KA_{11} 3 30.7 225.°88 6.°8/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.30	+16 36.1	2.502	3.310	11.4	20.7
3 2	12 58.85	+17 53.0	2.420	3.298	9.3	20.5
3 12	12 52.50	+19 7.8	2.363	3.286	7.6	20.4
3 22	12 44.75	+20 13.7	2.332	3.273	6.8	20.3
4 1	12 36.26	+21 4.2	2.330	3.260	7.6	20.3
4 11	12 27.86	+21 34.5	2.355	3.246	9.5	20.4
4 21	12 20.32	+21 42.6	2.404	3.231	11.8	20.6
5 1	12 14.26	+21 28.7	2.475	3.216	13.9	20.7

326790 2003 SQ_{288} 3 30.7 187.°01 1.°1/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.37	− 4 2.4	2.149	2.934	13.8	22.2
3 2	12 59.90	− 3 21.2	2.056	2.934	10.8	22.0
3 12	12 53.33	− 2 27.8	1.987	2.933	7.2	21.8
3 22	12 45.18	− 1 26.2	1.944	2.931	3.4	21.5
4 1	12 36.20	− 0 22.0	1.931	2.929	1.5	21.4
4 11	12 27.34	+ 0 38.5	1.948	2.925	5.3	21.6
4 21	12 19.46	+ 1 29.6	1.992	2.921	9.1	21.8
5 1	12 13.24	+ 2 7.1	2.061	2.916	12.5	22.0

406500 2007 VY_{100} 3 30.7 57.°72 1.°7/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.05	−10 14.9	1.472	2.265	18.6	21.4
3 2	12 59.73	−10 11.1	1.400	2.276	14.9	21.1
3 12	12 53.62	− 9 47.6	1.347	2.287	10.5	20.9
3 22	12 45.41	− 9 6.6	1.317	2.298	5.6	20.7
4 1	12 36.17	− 8 13.2	1.312	2.310	1.7	20.4
4 11	12 27.23	− 7 15.4	1.334	2.322	5.5	20.7
4 21	12 19.76	− 6 21.2	1.381	2.334	10.2	21.0
5 1	12 14.61	− 5 37.9	1.451	2.346	14.4	21.3

214900 2007 TP_{88} 3 30.7 159.°94 0.°3/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.59	− 5 16.5	2.734	3.508	11.4	21.8
3 2	12 56.44	− 4 49.3	2.643	3.514	8.9	21.6
3 12	12 50.72	− 4 12.7	2.577	3.519	6.0	21.5
3 22	12 43.85	− 3 29.4	2.538	3.524	2.8	21.3
4 1	12 36.41	− 2 43.0	2.530	3.528	0.7	21.1
4 11	12 29.10	− 1 58.0	2.551	3.532	3.9	21.3
4 21	12 22.53	− 1 18.3	2.602	3.536	7.0	21.5
5 1	12 17.21	− 0 47.3	2.678	3.539	9.8	21.7

375914 2009 WV_{23} 3 30.7 205.°93 1.°3/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.51	− 1 4.0	2.276	3.061	13.1	21.1
3 2	13 1.48	− 0 51.3	2.179	3.056	10.2	20.9
3 12	12 54.36	− 0 31.1	2.105	3.051	6.9	20.7
3 22	12 45.67	− 0 6.5	2.059	3.045	3.3	20.4
4 1	12 36.13	+ 0 18.6	2.042	3.038	1.7	20.3
4 11	12 26.68	+ 0 39.5	2.055	3.031	5.2	20.5
4 21	12 18.14	+ 0 52.7	2.096	3.024	8.8	20.7
5 1	12 11.24	+ 0 55.4	2.163	3.016	12.0	20.9

36065 1999 RX_{48} 3 30.7 178.°12 5.°2/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.47	+13 12.2	2.926	3.736	9.8	20.1
3 2	12 54.74	+14 32.0	2.853	3.738	7.8	20.0
3 12	12 49.53	+15 51.6	2.806	3.738	6.1	19.9
3 22	12 43.27	+17 5.2	2.787	3.739	5.2	19.8
4 1	12 36.50	+18 7.5	2.797	3.739	5.9	19.9
4 11	12 29.85	+18 54.3	2.836	3.739	7.6	20.0
4 21	12 23.88	+19 23.3	2.900	3.739	9.6	20.1
5 1	12 19.08	+19 34.0	2.987	3.738	11.5	20.2

165443 2000 YA_{102} 3 30.7 83.°56 2.°7/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.50	− 1 53.1	1.586	2.396	16.7	20.1
3 2	13 0.34	− 0 40.5	1.531	2.424	12.8	19.9
3 12	12 53.68	+ 0 45.0	1.498	2.451	8.5	19.7
3 22	12 45.29	+ 2 15.8	1.491	2.477	4.1	19.5
4 1	12 36.22	+ 3 42.5	1.511	2.504	3.3	19.5
4 11	12 27.63	+ 4 56.3	1.559	2.529	7.2	19.8
4 21	12 20.50	+ 5 51.2	1.632	2.555	11.2	20.1
5 1	12 15.50	+ 6 24.3	1.728	2.579	14.7	20.4

416115 2002 PF_{195} 3 30.7 197.°54 0.°7/31.5 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.30	− 8 47.2	2.186	2.953	14.1	23.4
3 2	12 59.89	− 8 28.2	2.087	2.950	11.2	23.1
3 12	12 53.36	− 7 55.0	2.010	2.946	7.8	22.9
3 22	12 45.22	− 7 9.8	1.960	2.942	4.0	22.7
4 1	12 36.21	− 6 16.5	1.938	2.937	0.8	22.4
4 11	12 27.26	− 5 20.9	1.946	2.931	4.4	22.7
4 21	12 19.26	− 4 28.6	1.982	2.924	8.3	22.9
5 1	12 12.91	− 3 45.0	2.044	2.917	11.8	23.1

48413 1986 TB_{7} 3 30.7 193.°28 3.°3/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.72	−18 1.8	2.672	3.393	12.9	18.8
3 2	12 55.99	−17 56.1	2.568	3.391	10.7	18.7
3 12	12 50.55	−17 34.1	2.486	3.389	8.2	18.5
3 22	12 43.82	−16 56.3	2.429	3.387	5.4	18.3
4 1	12 36.43	−16 4.6	2.400	3.384	3.4	18.2
4 11	12 29.10	−15 3.1	2.400	3.382	4.1	18.2
4 21	12 22.51	−13 57.0	2.429	3.378	6.6	18.4
5 1	12 17.25	−12 52.0	2.485	3.375	9.4	18.5

406885 2009 CF_{65} 3 30.7 19.°64 4.°5/26.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.15	+ 1 50.3	1.326	2.163	17.9	21.1
3 2	12 57.72	+ 2 59.0	1.258	2.166	13.9	20.9
3 12	12 52.40	+ 4 20.4	1.211	2.169	9.4	20.6
3 22	12 44.88	+ 5 45.5	1.187	2.172	5.3	20.4
4 1	12 36.28	+ 7 3.4	1.188	2.176	5.3	20.4
4 11	12 27.97	+ 8 3.6	1.214	2.181	9.3	20.6
4 21	12 21.17	+ 8 39.8	1.263	2.186	13.8	20.9
5 1	12 16.76	+ 8 49.5	1.332	2.191	17.7	21.2

63658 2001 QJ_{115} 3 30.7 223.°26 3.°3/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.24	−16 54.3	2.516	3.245	13.4	19.9
3 2	12 56.54	−16 56.9	2.410	3.240	11.1	19.8
3 12	12 51.01	−16 43.4	2.326	3.234	8.4	19.6
3 22	12 44.08	−16 14.1	2.267	3.228	5.6	19.4
4 1	12 36.39	−15 30.9	2.235	3.222	3.4	19.2
4 11	12 28.74	−14 37.6	2.233	3.215	4.3	19.3
4 21	12 21.86	−13 39.4	2.259	3.208	7.0	19.4
5 1	12 16.38	−12 42.2	2.311	3.201	10.0	19.6

278725 2008 SN_{64} 3 30.7 145.°65 0.°9/31.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.47	−11 33.0	2.274	3.037	13.7	20.8
3 2	12 55.95	−10 45.0	2.184	3.044	10.9	20.6
3 12	12 50.58	− 9 40.0	2.117	3.051	7.6	20.4
3 22	12 43.84	− 8 20.9	2.076	3.057	4.0	20.2
4 1	12 36.44	− 6 53.0	2.064	3.063	0.9	19.9
4 11	12 29.20	− 5 23.0	2.082	3.068	4.1	20.2
4 21	12 22.85	− 3 57.9	2.129	3.073	7.7	20.4
5 1	12 18.00	− 2 43.6	2.202	3.078	11.0	20.6

460420 2014 SA_{142} 3 30.7 289.°04 13.°6/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 15.36	+26 23.2	1.501	2.306	17.8	20.3
3 2	13 10.04	+27 41.5	1.422	2.282	15.7	20.1
3 12	13 1.07	+28 47.4	1.362	2.258	14.1	19.9
3 22	12 49.15	+29 27.4	1.324	2.233	13.6	19.8
4 1	12 35.63	+29 29.3	1.309	2.209	14.7	19.8
4 11	12 22.27	+28 46.8	1.316	2.184	17.0	19.9
4 21	12 10.73	+27 21.4	1.343	2.159	19.8	20.0
5 1	12 2.21	+25 19.4	1.387	2.135	22.7	20.1

290761 2005 UW_{510} 3 30.7 272.°90 2.°1/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.54	−11 59.3	1.515	2.300	18.5	21.8
3 2	12 59.80	−11 48.2	1.407	2.278	15.2	21.5
3 12	12 54.10	−11 14.0	1.319	2.256	11.0	21.2
3 22	12 45.89	−10 17.0	1.253	2.233	6.2	20.8
4 1	12 36.10	− 9 1.3	1.212	2.209	2.1	20.5
4 11	12 26.09	− 7 35.2	1.198	2.186	5.9	20.7
4 21	12 17.24	− 6 9.2	1.209	2.162	11.3	20.9
5 1	12 10.74	− 4 53.8	1.242	2.138	16.3	21.1

273930 2007 JJ_4 3 30.7 317.°85 4.°1/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.64	−18 14.9	1.779	2.533	17.3	20.1
3 2	12 55.34	−18 8.3	1.680	2.524	14.5	19.9
3 12	12 50.64	−17 37.3	1.600	2.516	11.1	19.6
3 22	12 44.04	−16 41.8	1.543	2.507	7.3	19.4
4 1	12 36.40	−15 24.7	1.511	2.500	4.4	19.2
4 11	12 28.80	−13 52.9	1.506	2.492	5.4	19.2
4 21	12 22.27	−12 15.6	1.528	2.485	9.0	19.4
5 1	12 17.66	−10 42.6	1.573	2.478	12.9	19.6

238188 2003 SU_{279} 3 30.7 267.°92 0.°8/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.78	− 9 14.9	2.064	2.843	14.5	20.8
3 2	12 56.55	− 8 52.2	1.963	2.832	11.6	20.5
3 12	12 51.21	− 8 13.8	1.883	2.822	8.1	20.3
3 22	12 44.24	− 7 21.9	1.829	2.812	4.1	20.0
4 1	12 36.38	− 6 20.9	1.803	2.802	0.8	19.8
4 11	12 28.54	− 5 17.0	1.805	2.791	4.6	20.0
4 21	12 21.61	− 4 16.8	1.835	2.781	8.6	20.2
5 1	12 16.33	− 3 25.9	1.889	2.770	12.3	20.4

216610 2002 TC_{217} 3 30.7 173.°92 1.°9/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.79	− 1 28.9	2.163	2.956	13.4	21.8
3 2	12 59.39	− 0 44.3	2.077	2.959	10.4	21.6
3 12	12 52.96	+ 0 10.3	2.013	2.962	7.0	21.4
3 22	12 45.00	+ 1 10.5	1.977	2.964	3.3	21.2
4 1	12 36.29	+ 2 10.3	1.970	2.965	2.3	21.1
4 11	12 27.73	+ 3 3.8	1.993	2.966	5.7	21.3
4 21	12 20.14	+ 3 45.8	2.043	2.965	9.3	21.5
5 1	12 14.21	+ 4 13.2	2.117	2.965	12.5	21.7

105579 2000 RE_{77} 3 30.7 189.°30 0.°1/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.07	− 7 21.1	2.174	2.945	14.0	21.4
3 2	13 0.47	− 6 49.1	2.077	2.944	11.1	21.2
3 12	12 53.75	− 6 3.0	2.003	2.943	7.6	21.0
3 22	12 45.41	− 5 5.7	1.956	2.940	3.7	20.7
4 1	12 36.22	− 4 2.1	1.938	2.937	0.5	20.5
4 11	12 27.13	− 2 58.4	1.949	2.932	4.7	20.8
4 21	12 19.00	− 2 0.7	1.990	2.927	8.6	21.0
5 1	12 12.55	− 1 14.0	2.056	2.920	12.1	21.2

135106 2001 QN_{100} 3 30.7 95.°83 3.°4/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.70	+ 7 21.1	2.571	3.361	11.6	19.8
3 2	13 2.57	+ 7 38.8	2.507	3.386	9.0	19.7
3 12	12 54.72	+ 7 57.4	2.468	3.410	6.2	19.5
3 22	12 45.69	+ 8 12.8	2.457	3.434	3.8	19.4
4 1	12 36.21	+ 8 21.3	2.477	3.458	3.7	19.4
4 11	12 27.06	+ 8 19.9	2.527	3.481	5.9	19.6
4 21	12 18.93	+ 8 7.3	2.606	3.504	8.6	19.8
5 1	12 12.34	+ 7 43.1	2.710	3.526	11.0	20.0

174571 2003 OV_{12} 3 30.7 267.°94 4.°7/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.69	−17 17.0	1.828	2.571	17.3	20.5
3 2	13 1.11	−17 38.6	1.709	2.546	14.6	20.2
3 12	12 54.80	−17 40.0	1.610	2.521	11.3	19.9
3 22	12 46.18	−17 19.3	1.533	2.495	7.6	19.7
4 1	12 36.08	−16 36.7	1.482	2.468	4.9	19.4
4 11	12 25.68	−15 36.5	1.459	2.441	6.0	19.4
4 21	12 16.24	−14 26.0	1.462	2.413	9.9	19.6
5 1	12 8.86	−13 14.3	1.489	2.385	14.1	19.8

242916 2006 OS_2 3 30.7 192.°77 0.°8/31.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.71	− 9 1.1	2.199	2.964	14.1	21.7
3 2	13 0.20	− 8 42.8	2.101	2.963	11.2	21.5
3 12	12 53.57	− 8 10.3	2.025	2.960	7.8	21.2
3 22	12 45.34	− 7 25.7	1.975	2.957	4.0	21.0
4 1	12 36.25	− 6 33.0	1.954	2.953	0.8	20.7
4 11	12 27.23	− 5 37.6	1.963	2.948	4.4	21.0
4 21	12 19.15	− 4 45.3	2.000	2.942	8.3	21.2
5 1	12 12.74	− 4 1.4	2.063	2.936	11.7	21.4

437771 2015 AC_{198} 3 30.7 180.°87 3.°2/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.65	+ 2 8.1	2.068	2.876	13.4	21.5
3 2	12 57.83	+ 3 3.4	1.985	2.877	10.4	21.3
3 12	12 51.95	+ 4 6.7	1.926	2.877	7.0	21.1
3 22	12 44.54	+ 5 12.4	1.893	2.877	3.9	20.9
4 1	12 36.37	+ 6 13.9	1.889	2.877	3.8	20.9
4 11	12 28.35	+ 7 4.7	1.913	2.876	6.8	21.1
4 21	12 21.32	+ 7 40.3	1.964	2.875	10.2	21.3
5 1	12 15.95	+ 7 58.1	2.038	2.874	13.3	21.5

503854 1996 RA_7 3 30.7 206.°01 1.°5/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.89	− 9 53.2	2.449	3.208	13.0	21.7
3 2	12 58.57	−10 0.0	2.349	3.205	10.4	21.5
3 12	12 52.37	− 9 55.1	2.273	3.203	7.4	21.3
3 22	12 44.74	− 9 39.6	2.222	3.200	4.1	21.1
4 1	12 36.34	− 9 15.8	2.200	3.197	1.5	20.9
4 11	12 28.00	− 8 47.6	2.208	3.193	3.9	21.1
4 21	12 20.48	− 8 19.1	2.244	3.190	7.3	21.3
5 1	12 14.42	− 7 54.4	2.306	3.186	10.4	21.5

290336 2005 ST_{235} 3 30.7 62.°70 1.°3/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.63	− 9 41.6	1.680	2.465	17.0	21.3
3 2	12 59.00	− 9 31.5	1.609	2.481	13.5	21.1
3 12	12 52.92	− 9 4.2	1.558	2.497	9.4	20.9
3 22	12 45.03	− 8 22.1	1.532	2.514	4.9	20.6
4 1	12 36.31	− 7 30.2	1.532	2.530	1.3	20.4
4 11	12 27.90	− 6 35.6	1.560	2.547	5.0	20.7
4 21	12 20.79	− 5 45.1	1.614	2.563	9.3	21.0
5 1	12 15.73	− 5 4.8	1.691	2.580	13.0	21.3

403912 2011 YD_{51} 3 30.7 72.°22 2.°7/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.86	− 0 50.0	1.484	2.302	17.3	20.9
3 2	13 0.18	− 0 2.8	1.421	2.318	13.4	20.7
3 12	12 53.81	+ 0 56.6	1.379	2.333	8.9	20.4
3 22	12 45.47	+ 2 1.6	1.362	2.349	4.3	20.2
4 1	12 36.26	+ 3 3.7	1.370	2.364	3.3	20.2
4 11	12 27.45	+ 3 54.7	1.405	2.380	7.3	20.5
4 21	12 20.13	+ 4 28.8	1.465	2.395	11.7	20.7
5 1	12 15.06	+ 4 43.1	1.547	2.411	15.5	21.0

507828 2014 DE_{146} 3 30.7 239.°87 3.°8/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.94	−17 17.7	2.416	3.145	13.9	21.3
3 2	12 57.18	−17 35.3	2.315	3.143	11.6	21.1
3 12	12 51.49	−17 37.1	2.236	3.141	8.9	20.9
3 22	12 44.35	−17 22.7	2.181	3.139	6.0	20.7
4 1	12 36.41	−16 53.6	2.154	3.137	3.9	20.6
4 11	12 28.52	−16 13.3	2.155	3.135	4.6	20.6
4 21	12 21.45	−15 26.7	2.184	3.133	7.3	20.8
5 1	12 15.87	−14 39.4	2.239	3.131	10.2	21.0

170080 2002 WQ_8 3 30.7 28.°43 5.°8/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.57	+10 52.2	2.049	2.869	13.1	19.5
3 2	12 57.76	+11 49.2	1.978	2.871	10.3	19.3
3 12	12 51.88	+12 46.6	1.931	2.874	7.6	19.2
3 22	12 44.49	+13 37.8	1.910	2.877	5.9	19.1
4 1	12 36.40	+14 16.2	1.916	2.880	6.4	19.1
4 11	12 28.54	+14 36.6	1.949	2.883	8.8	19.2
4 21	12 21.72	+14 36.8	2.007	2.886	11.6	19.4
5 1	12 16.60	+14 16.8	2.086	2.890	14.2	19.6

438868 2009 HF_7 3 30.7 306.°96 4.°1/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.89	+ 7 13.4	2.308	3.120	12.1	21.1
3 2	12 57.03	+ 7 56.4	2.225	3.117	9.4	20.9
3 12	12 51.31	+ 8 42.3	2.167	3.114	6.6	20.7
3 22	12 44.22	+ 9 25.8	2.135	3.112	4.4	20.6
4 1	12 36.45	+10 1.5	2.132	3.109	4.7	20.6
4 11	12 28.82	+10 24.6	2.157	3.106	7.1	20.8
4 21	12 22.07	+10 32.4	2.208	3.104	10.0	20.9
5 1	12 16.82	+10 23.8	2.282	3.101	12.6	21.1

269797 1999 UR_{37} 3 30.7 34.°15 0.°4/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.34	− 8 4.9	1.775	2.573	15.7	20.1
3 2	12 54.83	− 7 5.6	1.694	2.578	12.3	19.8
3 12	12 50.10	− 5 47.4	1.635	2.583	8.4	19.6
3 22	12 43.71	− 4 15.3	1.601	2.588	3.9	19.3
4 1	12 36.52	− 2 36.7	1.595	2.593	0.9	19.1
4 11	12 29.52	− 1 1.0	1.616	2.599	5.4	19.5
4 21	12 23.61	+ 0 23.6	1.664	2.605	9.7	19.7
5 1	12 19.50	+ 1 30.8	1.736	2.611	13.4	20.0

67266 2000 EC_{163} 3 30.7 215.°41 0.°1/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.55	− 7 46.4	1.529	2.328	17.7	20.1
3 2	12 59.42	− 7 10.2	1.442	2.325	14.1	19.8
3 12	12 53.53	− 6 13.8	1.376	2.322	9.7	19.6
3 22	12 45.47	− 5 1.2	1.333	2.319	4.6	19.3
4 1	12 36.25	− 3 39.4	1.317	2.316	0.7	18.9
4 11	12 27.16	− 2 18.1	1.328	2.312	6.1	19.3
4 21	12 19.38	− 1 6.5	1.364	2.308	11.1	19.6
5 1	12 13.85	− 0 11.8	1.422	2.304	15.5	19.8

258907 2002 QP_{113} 3 30.7 231.°86 2.°4/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.08	−15 36.2	3.027	3.759	11.3	21.1
3 2	12 53.73	−15 26.0	2.920	3.754	9.3	20.9
3 12	12 48.93	−15 2.4	2.836	3.749	6.9	20.7
3 22	12 43.06	−14 26.2	2.778	3.744	4.4	20.6
4 1	12 36.62	−13 39.6	2.749	3.738	2.5	20.4
4 11	12 30.23	−12 46.3	2.749	3.733	3.4	20.5
4 21	12 24.45	−11 50.3	2.778	3.728	5.9	20.6
5 1	12 19.77	−10 56.2	2.835	3.722	8.4	20.8

331941 2004 TB_{123} 3 30.7 215.°39 1.°2/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.19	− 3 4.2	2.448	3.232	12.3	22.4
3 2	12 58.01	− 2 27.9	2.347	3.224	9.6	22.2
3 12	12 51.99	− 1 41.5	2.269	3.215	6.4	22.0
3 22	12 44.57	− 0 48.6	2.219	3.206	3.0	21.8
4 1	12 36.40	+ 0 6.4	2.199	3.196	1.5	21.6
4 11	12 28.27	+ 0 57.9	2.208	3.185	4.9	21.8
4 21	12 20.93	+ 1 41.3	2.246	3.174	8.3	22.0
5 1	12 15.02	+ 2 12.9	2.309	3.162	11.4	22.2

219533 2001 QO_{184} 3 30.7 184.°44 0.°1/30.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.84	− 9 16.6	2.192	2.965	13.9	20.7
3 2	12 57.15	− 8 21.7	2.097	2.965	11.0	20.5
3 12	12 51.49	− 7 9.9	2.025	2.965	7.5	20.2
3 22	12 44.34	− 5 44.9	1.980	2.964	3.7	20.0
4 1	12 36.44	− 4 12.3	1.964	2.963	0.5	19.7
4 11	12 28.66	− 2 39.7	1.978	2.961	4.6	20.0
4 21	12 21.78	− 1 14.2	2.020	2.958	8.4	20.3
5 1	12 16.49	− 0 1.8	2.088	2.955	11.9	20.5

42563 1996 XK_{22} 3 30.7 244.°62 0.°7/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.67	− 4 26.1	1.911	2.701	15.0	20.3
3 2	13 0.63	− 4 2.5	1.807	2.686	11.9	20.1
3 12	12 54.16	− 3 25.8	1.725	2.671	8.1	19.8
3 22	12 45.75	− 2 39.3	1.669	2.655	3.8	19.5
4 1	12 36.22	− 1 47.9	1.640	2.639	1.2	19.3
4 11	12 26.65	− 0 58.3	1.640	2.622	5.6	19.5
4 21	12 18.08	− 0 16.8	1.668	2.604	10.0	19.7
5 1	12 11.39	+ 0 11.9	1.719	2.586	14.0	19.9

2217 Eltigen 3 30.7 265.°51 0.°9/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.04	− 3 39.9	2.537	3.325	11.8	16.7
3 2	12 55.54	− 3 8.8	2.431	3.310	9.3	16.5
3 12	12 50.32	− 2 27.8	2.349	3.295	6.2	16.3
3 22	12 43.78	− 1 39.9	2.293	3.280	2.9	16.1
4 1	12 36.52	− 0 49.4	2.267	3.265	1.2	15.9
4 11	12 29.27	− 0 1.2	2.270	3.249	4.5	16.1
4 21	12 22.72	+ 0 40.2	2.302	3.233	7.9	16.3
5 1	12 17.49	+ 1 11.0	2.358	3.218	11.0	16.5

499265 2009 VQ_{39} 3 30.7 175.°53 8.°9/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.19	−33 8.0	2.127	2.765	17.9	20.8
3 2	12 57.98	−33 37.0	2.028	2.766	16.1	20.6
3 12	12 52.36	−33 39.0	1.945	2.766	13.9	20.4
3 22	12 44.86	−33 10.4	1.882	2.766	11.6	20.3
4 1	12 36.36	−32 10.0	1.842	2.767	9.7	20.2
4 11	12 27.95	−30 41.2	1.827	2.767	8.9	20.1
4 21	12 20.66	−28 51.2	1.838	2.767	9.8	20.2
5 1	12 15.31	−26 49.8	1.875	2.766	11.8	20.3

463687 2014 OE_{198} 3 30.7 134.°45 1.°2/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.25	− 3 54.3	1.946	2.737	14.8	22.5
3 2	12 59.91	− 3 11.1	1.868	2.750	11.5	22.3
3 12	12 53.37	− 2 15.4	1.814	2.761	7.7	22.0
3 22	12 45.23	− 1 11.7	1.786	2.773	3.5	21.8
4 1	12 36.33	− 0 6.4	1.786	2.783	1.7	21.7
4 11	12 27.68	+ 0 53.7	1.816	2.794	5.6	22.0
4 21	12 20.16	+ 1 42.9	1.872	2.803	9.5	22.2
5 1	12 14.46	+ 2 17.1	1.953	2.812	12.9	22.5

475764 2006 WM_{171} 3 30.7 198.°76 2.°4/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.66	−15 10.6	2.715	3.452	12.4	21.9
3 2	12 55.13	−14 57.8	2.613	3.450	10.1	21.7
3 12	12 49.96	−14 30.1	2.532	3.448	7.5	21.5
3 22	12 43.58	−13 48.7	2.478	3.446	4.6	21.4
4 1	12 36.57	−12 55.9	2.452	3.443	2.5	21.2
4 11	12 29.62	−11 56.2	2.456	3.440	3.6	21.3
4 21	12 23.39	−10 54.4	2.488	3.437	6.5	21.5
5 1	12 18.41	− 9 55.6	2.547	3.434	9.3	21.6

391721 2008 CX_{74} 3 30.7 325.°02 1.°9/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.26	−11 11.7	2.197	2.965	14.0	21.1
3 2	12 56.02	−11 12.6	2.098	2.958	11.3	20.9
3 12	12 50.80	−10 59.2	2.020	2.951	8.1	20.6
3 22	12 44.06	−10 32.6	1.968	2.945	4.6	20.4
4 1	12 36.49	− 9 55.7	1.943	2.939	1.9	20.2
4 11	12 28.97	− 9 13.0	1.946	2.933	4.2	20.4
4 21	12 22.30	− 8 30.0	1.977	2.927	7.8	20.6
5 1	12 17.17	− 7 51.8	2.033	2.922	11.2	20.8

274303 2008 QW_{25} 3 30.7 203.°87 1.°8/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.38	− 1 40.6	2.133	2.931	13.4	20.8
3 2	12 57.61	− 0 59.1	2.043	2.928	10.4	20.5
3 12	12 51.83	− 0 7.4	1.976	2.926	7.0	20.3
3 22	12 44.52	+ 0 50.3	1.936	2.923	3.3	20.1
4 1	12 36.43	+ 1 48.3	1.924	2.919	2.2	20.0
4 11	12 28.46	+ 2 40.4	1.942	2.916	5.7	20.2
4 21	12 21.41	+ 3 21.5	1.986	2.912	9.3	20.4
5 1	12 15.97	+ 3 48.1	2.055	2.908	12.6	20.6

197179 2003 UM_{296} 3 30.7 216.°36 0.°2/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.38	− 7 30.1	2.281	3.059	13.3	21.2
3 2	12 56.75	− 7 1.1	2.183	3.054	10.5	21.0
3 12	12 51.21	− 6 18.8	2.108	3.049	7.2	20.8
3 22	12 44.23	− 5 26.0	2.059	3.044	3.5	20.5
4 1	12 36.48	− 4 26.9	2.040	3.039	0.5	20.3
4 11	12 28.80	− 3 27.4	2.049	3.033	4.4	20.6
4 21	12 21.97	− 2 33.0	2.086	3.027	8.1	20.8
5 1	12 16.63	− 1 48.4	2.149	3.021	11.4	21.0

35314 1997 AW_{8} 3 30.7 86.°15 7.°1/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.48	−27 46.9	2.474	3.132	15.2	18.6
3 2	12 59.23	−28 34.9	2.385	3.145	13.4	18.5
3 12	12 52.92	−29 3.2	2.316	3.158	11.2	18.3
3 22	12 45.05	−29 9.5	2.269	3.171	9.1	18.2
4 1	12 36.37	−28 53.2	2.247	3.183	7.4	18.1
4 11	12 27.79	−28 16.7	2.251	3.196	7.1	18.1
4 21	12 20.15	−27 24.9	2.282	3.209	8.3	18.2
5 1	12 14.16	−26 24.1	2.339	3.221	10.2	18.3

209362 2004 DD_{59} 3 30.7 336.°19 2.°2/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.11	− 0 53.3	1.977	2.788	13.8	20.3
3 2	12 55.25	− 0 7.2	1.890	2.783	10.7	20.1
3 12	12 50.33	+ 0 49.5	1.825	2.778	7.2	19.9
3 22	12 43.85	+ 1 51.9	1.786	2.773	3.5	19.6
4 1	12 36.56	+ 2 53.7	1.775	2.769	2.7	19.5
4 11	12 29.38	+ 3 48.1	1.792	2.765	6.2	19.8
4 21	12 23.16	+ 4 29.7	1.835	2.761	9.9	20.0
5 1	12 18.57	+ 4 54.9	1.901	2.758	13.3	20.2

353612 2011 UQ_{21} 3 30.7 184.°30 0.°7/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.48	− 7 36.5	2.697	3.462	11.8	22.0
3 2	12 57.25	− 7 32.2	2.599	3.462	9.3	21.8
3 12	12 51.37	− 7 17.9	2.526	3.462	6.5	21.6
3 22	12 44.26	− 6 55.5	2.479	3.461	3.3	21.4
4 1	12 36.51	− 6 27.6	2.462	3.461	0.7	21.2
4 11	12 28.83	− 5 57.9	2.475	3.460	3.6	21.4
4 21	12 21.89	− 5 30.2	2.516	3.459	6.8	21.6
5 1	12 16.25	− 5 7.9	2.584	3.457	9.7	21.8

128429 2004 NK 3 30.7 233.°70 0.°7/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.67	− 4 18.6	1.994	2.786	14.4	20.6
3 2	12 58.85	− 3 54.2	1.898	2.779	11.4	20.4
3 12	12 52.81	− 3 17.7	1.826	2.772	7.7	20.2
3 22	12 45.06	− 2 32.3	1.779	2.765	3.6	19.9
4 1	12 36.39	− 1 43.2	1.760	2.758	1.1	19.7
4 11	12 27.78	− 0 56.4	1.769	2.751	5.3	20.0
4 21	12 20.16	− 0 17.6	1.806	2.743	9.4	20.2
5 1	12 14.29	+ 0 9.0	1.867	2.735	13.0	20.4

4914 Pardina 3 30.7 134.°28 5.°4/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.87	−23 20.7	2.216	2.913	15.9	16.5
3 2	12 58.86	−23 30.0	2.125	2.924	13.5	16.3
3 12	12 52.71	−23 17.5	2.054	2.934	10.8	16.2
3 22	12 44.96	−22 42.4	2.006	2.944	7.9	16.0
4 1	12 36.41	−21 46.0	1.985	2.954	5.8	15.9
4 11	12 28.03	−20 33.1	1.991	2.963	5.8	15.9
4 21	12 20.67	−19 10.5	2.025	2.971	7.9	16.1
5 1	12 15.04	−17 46.2	2.085	2.979	10.7	16.2

477945 2011 QV_{94} 3 30.7 90.°37 3.°6/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.02	−16 46.2	2.394	3.126	14.0	21.4
3 2	12 57.23	−17 2.5	2.298	3.128	11.6	21.2
3 12	12 51.53	−17 3.1	2.223	3.131	8.8	21.0
3 22	12 44.39	−16 47.9	2.173	3.133	5.9	20.8
4 1	12 36.50	−16 18.5	2.151	3.136	3.8	20.7
4 11	12 28.68	−15 38.5	2.157	3.138	4.5	20.7
4 21	12 21.71	−14 52.8	2.191	3.141	7.2	20.9
5 1	12 16.24	−14 7.1	2.251	3.143	10.1	21.1

246144 2007 PA_6 3 30.7 259.°34 0.°8/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.09	− 4 54.5	1.765	2.558	16.0	21.7
3 2	13 1.30	− 4 27.1	1.655	2.536	12.7	21.5
3 12	12 54.86	− 3 44.5	1.567	2.513	8.7	21.2
3 22	12 46.21	− 2 49.6	1.503	2.490	4.1	20.8
4 1	12 36.22	− 1 48.2	1.467	2.466	1.3	20.6
4 11	12 26.06	− 0 48.0	1.460	2.441	6.1	20.8
4 21	12 16.93	+ 0 3.7	1.478	2.416	11.0	21.0
5 1	12 9.83	+ 0 40.6	1.520	2.390	15.3	21.2

6268 Versailles 3 30.7 95.°04 1.°2/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.32	− 4 10.3	1.561	2.363	17.3	18.3
3 2	13 1.96	− 3 33.0	1.497	2.383	13.5	18.1
3 12	12 54.96	− 2 41.2	1.454	2.403	9.0	17.9
3 22	12 46.04	− 1 40.1	1.435	2.423	4.2	17.7
4 1	12 36.29	− 0 37.3	1.444	2.442	1.7	17.6
4 11	12 26.96	+ 0 19.3	1.480	2.461	6.3	17.9
4 21	12 19.11	+ 1 3.2	1.542	2.479	10.7	18.2
5 1	12 13.52	+ 1 30.3	1.627	2.497	14.5	18.5

68457 2001 SC_{63} 3 30.7 116.°31 1.°1/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.61	− 2 40.9	2.525	3.312	11.9	19.9
3 2	12 56.58	− 2 9.0	2.444	3.324	9.2	19.8
3 12	12 50.89	− 1 28.5	2.389	3.335	6.1	19.6
3 22	12 44.01	− 0 43.1	2.360	3.347	2.8	19.4
4 1	12 36.58	+ 0 3.1	2.361	3.358	1.4	19.3
4 11	12 29.32	+ 0 45.2	2.392	3.369	4.5	19.5
4 21	12 22.89	+ 1 19.6	2.451	3.379	7.6	19.7
5 1	12 17.81	+ 1 43.2	2.535	3.390	10.4	19.9

438436 2006 WC_{97} 3 30.7 222.°90 4.°1/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.40	+ 7 50.8	2.476	3.284	11.5	21.6
3 2	12 57.31	+ 8 32.7	2.393	3.282	9.0	21.4
3 12	12 51.46	+ 9 16.8	2.334	3.279	6.3	21.2
3 22	12 44.31	+ 9 58.1	2.302	3.277	4.3	21.1
4 1	12 36.54	+10 31.7	2.299	3.274	4.6	21.1
4 11	12 28.89	+10 53.1	2.325	3.271	6.8	21.2
4 21	12 22.08	+10 59.9	2.377	3.268	9.5	21.4
5 1	12 16.67	+10 51.0	2.452	3.265	12.1	21.5

278789 2008 SC_{196} 3 30.7 257.°36 1.°3/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.03	− 2 28.8	2.064	2.861	13.9	21.2
3 2	12 58.26	− 2 4.7	1.970	2.854	10.9	21.0
3 12	12 52.37	− 1 30.5	1.898	2.846	7.3	20.8
3 22	12 44.85	− 0 49.6	1.852	2.839	3.4	20.5
4 1	12 36.45	− 0 6.9	1.835	2.832	1.6	20.4
4 11	12 28.13	+ 0 31.7	1.846	2.824	5.4	20.6
4 21	12 20.75	+ 1 1.6	1.884	2.817	9.3	20.8
5 1	12 15.05	+ 1 18.9	1.946	2.809	12.7	21.0

29134 1987 RW 3 30.7 146.°20 1.°9/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.98	−10 40.9	1.821	2.586	16.6	18.9
3 2	13 3.14	−10 42.0	1.737	2.596	13.3	18.6
3 12	12 55.77	−10 26.4	1.674	2.606	9.5	18.4
3 22	12 46.48	− 9 55.7	1.636	2.614	5.2	18.2
4 1	12 36.22	− 9 13.5	1.625	2.622	1.9	18.0
4 11	12 26.18	− 8 25.7	1.644	2.630	4.9	18.2
4 21	12 17.39	− 7 38.9	1.689	2.636	9.1	18.5
5 1	12 10.69	− 6 59.3	1.759	2.642	12.9	18.7

345696 2006 UN_{190} 3 30.7 108.°49 5.°6/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.50	−25 53.7	2.575	3.250	14.3	20.3
3 2	12 55.98	−26 1.8	2.480	3.259	12.4	20.2
3 12	12 50.63	−25 49.8	2.405	3.268	10.1	20.0
3 22	12 43.95	−25 16.6	2.353	3.276	7.8	19.9
4 1	12 36.59	−24 23.4	2.328	3.285	5.9	19.8
4 11	12 29.36	−23 14.1	2.330	3.293	5.7	19.8
4 21	12 22.99	−21 54.2	2.360	3.302	7.2	19.9
5 1	12 18.07	−20 30.5	2.416	3.310	9.5	20.0

503675 2016 HM_5 3 30.7 285.°53 2.°0/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.14	−14 13.0	1.829	2.598	16.4	21.6
3 2	12 55.60	−13 35.8	1.730	2.591	13.3	21.3
3 12	12 50.77	−12 35.3	1.653	2.584	9.6	21.1
3 22	12 44.15	−11 13.7	1.599	2.577	5.5	20.8
4 1	12 36.56	− 9 36.0	1.573	2.569	2.0	20.6
4 11	12 29.04	− 7 50.9	1.574	2.562	4.8	20.7
4 21	12 22.56	− 6 7.9	1.603	2.555	9.1	21.0
5 1	12 17.91	− 4 36.0	1.656	2.548	13.1	21.2

502521 2015 BA_{434} 3 30.7 104.°75 3.°1/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.34	+ 1 54.8	1.989	2.800	13.8	21.5
3 2	12 57.67	+ 2 43.9	1.911	2.804	10.7	21.3
3 12	12 51.90	+ 3 40.8	1.857	2.808	7.2	21.1
3 22	12 44.58	+ 4 40.0	1.828	2.813	3.9	20.9
4 1	12 36.52	+ 5 35.1	1.828	2.817	3.6	20.9
4 11	12 28.65	+ 6 19.6	1.855	2.821	6.7	21.1
4 21	12 21.81	+ 6 49.4	1.909	2.825	10.2	21.3
5 1	12 16.68	+ 7 1.9	1.986	2.829	13.4	21.5

270519 2002 GN_{30} 3 30.7 28.°31 3.°0/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.14	+ 1 31.1	1.668	2.487	15.7	19.9
3 2	12 58.69	+ 2 4.9	1.595	2.492	12.2	19.7
3 12	12 52.79	+ 2 47.2	1.543	2.497	8.2	19.5
3 22	12 45.06	+ 3 32.4	1.516	2.502	4.2	19.3
4 1	12 36.45	+ 4 13.7	1.516	2.508	3.5	19.2
4 11	12 28.09	+ 4 44.4	1.543	2.515	7.1	19.5
4 21	12 20.98	+ 5 0.2	1.595	2.521	11.1	19.7
5 1	12 15.89	+ 4 58.6	1.669	2.528	14.7	19.9

142401 2002 SH_{23} 3 30.7 293.°90 2.°2/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 13.26	+ 2 18.1	1.589	2.391	17.1	20.0
3 2	13 8.18	+ 1 57.7	1.481	2.366	13.7	19.7
3 12	12 59.85	+ 1 40.8	1.393	2.341	9.4	19.4
3 22	12 48.74	+ 1 24.1	1.330	2.316	4.7	19.0
4 1	12 35.88	+ 1 3.5	1.295	2.292	2.5	18.8
4 11	12 22.75	+ 0 34.8	1.288	2.267	7.2	19.1
4 21	12 10.85	− 0 4.5	1.307	2.242	12.4	19.3
5 1	12 1.45	− 0 55.8	1.350	2.217	17.0	19.5

9973 Szpilman 3 30.7 136.°04 0.°8/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.18	− 8 52.2	2.071	2.842	14.7	19.0
3 2	12 59.80	− 8 32.6	1.988	2.853	11.6	18.8
3 12	12 53.31	− 7 58.6	1.927	2.864	8.1	18.6
3 22	12 45.25	− 7 12.6	1.892	2.874	4.1	18.3
4 1	12 36.43	− 6 19.0	1.885	2.884	0.8	18.1
4 11	12 27.82	− 5 23.9	1.908	2.893	4.5	18.4
4 21	12 20.26	− 4 33.0	1.959	2.902	8.3	18.7
5 1	12 14.44	− 3 51.4	2.034	2.910	11.7	18.9

115238 2003 SQ_{147} 3 30.7 236.°93 3.°7/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.94	−14 34.3	1.771	2.528	17.3	20.4
3 2	13 1.14	−14 53.2	1.671	2.521	14.3	20.1
3 12	12 54.69	−14 53.3	1.592	2.513	10.7	19.9
3 22	12 46.10	−14 33.9	1.536	2.505	6.7	19.6
4 1	12 36.29	−13 56.8	1.506	2.497	3.8	19.4
4 11	12 26.45	−13 7.1	1.503	2.488	5.5	19.5
4 21	12 17.75	−12 12.1	1.527	2.479	9.5	19.7
5 1	12 11.14	−11 19.4	1.575	2.470	13.5	19.9

277331 2005 TN_{12} 3 30.7 185.°07 0.°9/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.73	− 4 20.7	2.235	3.020	13.3	22.2
3 2	12 58.58	− 3 45.0	2.143	3.020	10.4	22.0
3 12	12 52.46	− 2 57.7	2.074	3.020	7.0	21.8
3 22	12 44.85	− 2 2.6	2.032	3.019	3.2	21.6
4 1	12 36.49	− 1 4.6	2.019	3.017	1.2	21.4
4 11	12 28.24	− 0 9.5	2.036	3.015	4.9	21.7
4 21	12 20.89	+ 0 37.3	2.081	3.013	8.6	21.9
5 1	12 15.12	+ 1 12.0	2.150	3.010	11.9	22.1

339031 2004 HY_{37} 3 30.7 75.°39 3.°4/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.14	+ 5 0.0	2.183	2.990	12.8	20.3
3 2	12 58.80	+ 5 31.4	2.109	2.999	9.9	20.2
3 12	12 52.52	+ 6 6.5	2.060	3.009	6.8	20.0
3 22	12 44.83	+ 6 40.6	2.037	3.018	4.0	19.8
4 1	12 36.50	+ 7 8.4	2.043	3.028	3.9	19.8
4 11	12 28.41	+ 7 25.6	2.077	3.037	6.5	20.0
4 21	12 21.32	+ 7 29.3	2.137	3.047	9.6	20.2
5 1	12 15.85	+ 7 18.6	2.222	3.056	12.4	20.4

8480 1987 RD_1 3 30.8 80.°76 0.°1/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.99	− 6 21.4	1.833	2.621	15.6	18.0
3 2	12 59.81	− 6 1.6	1.763	2.640	12.3	17.8
3 12	12 53.36	− 5 28.1	1.715	2.659	8.3	17.6
3 22	12 45.27	− 4 44.4	1.693	2.678	4.0	17.3
4 1	12 36.45	− 3 55.8	1.698	2.697	0.6	17.1
4 11	12 27.95	− 3 8.6	1.732	2.716	5.0	17.5
4 21	12 20.68	− 2 28.4	1.792	2.734	9.1	17.8
5 1	12 15.31	− 1 59.8	1.877	2.752	12.6	18.0

363287 2002 GK_{185} 3 30.8 359.°54 2.°1/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.92	− 0 9.5	1.338	2.161	18.6	21.2
3 2	13 2.41	− 0 6.7	1.262	2.160	14.6	20.9
3 12	12 55.76	+ 0 6.1	1.205	2.159	9.9	20.6
3 22	12 46.64	+ 0 24.4	1.171	2.159	4.7	20.3
4 1	12 36.24	+ 0 42.0	1.162	2.159	2.5	20.2
4 11	12 26.05	+ 0 52.3	1.178	2.159	7.4	20.5
4 21	12 17.44	+ 0 50.2	1.219	2.161	12.4	20.7
5 1	12 11.44	+ 0 32.8	1.281	2.162	16.8	21.0

294009 2007 TV_{95} 3 30.8 32.°71 6.°3/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.30	+12 29.7	1.748	2.567	15.0	19.7
3 2	13 2.42	+12 55.3	1.690	2.581	11.9	19.5
3 12	12 55.10	+13 18.0	1.655	2.597	8.8	19.4
3 22	12 46.07	+13 31.0	1.644	2.613	6.5	19.3
4 1	12 36.36	+13 28.7	1.661	2.629	6.8	19.3
4 11	12 27.11	+13 7.7	1.704	2.646	9.2	19.5
4 21	12 19.28	+12 27.7	1.772	2.664	12.2	19.7
5 1	12 13.54	+11 30.3	1.861	2.682	15.0	19.9

169251 2001 SG_{113} 3 30.8 53.°73 1.°2/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.76	−11 30.2	2.158	2.929	14.2	20.0
3 2	12 54.80	−10 55.6	2.070	2.934	11.3	19.8
3 12	12 49.93	−10 4.1	2.005	2.939	8.0	19.6
3 22	12 43.65	− 8 58.4	1.964	2.945	4.2	19.4
4 1	12 36.69	− 7 43.1	1.952	2.950	1.2	19.2
4 11	12 29.87	− 6 25.0	1.969	2.956	4.1	19.4
4 21	12 23.96	− 5 10.6	2.014	2.962	7.8	19.6
5 1	12 19.57	− 4 5.8	2.084	2.968	11.2	19.8

242146 2003 BM_{83} 3 30.8 348.°31 5.°2/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.09	−13 46.0	1.697	2.462	17.7	19.4
3 2	13 1.46	−15 3.1	1.601	2.451	14.8	19.2
3 12	12 55.06	−16 7.0	1.524	2.442	11.3	19.0
3 22	12 46.35	−16 55.2	1.470	2.434	7.7	18.7
4 1	12 36.27	−17 26.0	1.443	2.427	5.3	18.6
4 11	12 26.08	−17 41.0	1.441	2.421	6.5	18.6
4 21	12 17.02	−17 44.1	1.466	2.416	10.0	18.8
5 1	12 10.16	−17 41.1	1.513	2.413	13.7	19.0

232579 2003 SM_{351} 3 30.8 254.°98 3.°0/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.18	+ 1 50.7	2.037	2.846	13.6	20.5
3 2	12 57.58	+ 2 35.8	1.950	2.842	10.5	20.3
3 12	12 51.89	+ 3 28.8	1.886	2.838	7.1	20.1
3 22	12 44.63	+ 4 24.7	1.849	2.833	3.8	19.9
4 1	12 36.55	+ 5 17.2	1.840	2.829	3.5	19.8
4 11	12 28.58	+ 6 0.0	1.858	2.825	6.6	20.0
4 21	12 21.59	+ 6 28.7	1.903	2.820	10.2	20.2
5 1	12 16.27	+ 6 40.5	1.972	2.816	13.4	20.4

116034 2003 WH_{95} 3 30.8 285.°25 1.°9/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.48	− 2 22.4	1.593	2.405	16.6	19.8
3 2	12 59.47	− 1 49.6	1.492	2.385	13.1	19.5
3 12	12 53.72	− 1 2.3	1.413	2.365	8.9	19.2
3 22	12 45.72	− 0 4.9	1.357	2.345	4.2	18.9
4 1	12 36.38	+ 0 55.5	1.328	2.325	2.4	18.7
4 11	12 26.94	+ 1 50.5	1.326	2.305	7.1	18.9
4 21	12 18.64	+ 2 32.5	1.348	2.284	12.0	19.2
5 1	12 12.50	+ 2 56.2	1.392	2.264	16.4	19.4

370463 2003 BZ_{60} 3 30.8 48.°06 10.°3/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.13	−27 8.4	1.629	2.323	20.9	20.3
3 2	13 4.09	−28 46.2	1.554	2.336	18.4	20.1
3 12	12 56.92	−29 59.2	1.495	2.349	15.6	20.0
3 22	12 47.24	−30 41.7	1.457	2.363	12.8	19.8
4 1	12 36.17	−30 50.1	1.440	2.378	10.7	19.7
4 11	12 25.21	−30 26.4	1.448	2.392	10.4	19.8
4 21	12 15.77	−29 37.3	1.480	2.407	11.8	19.9
5 1	12 8.93	−28 33.3	1.534	2.422	14.1	20.1

372081 2008 SF_{40} 3 30.8 151.°92 1.°3/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.53	− 2 13.6	2.244	3.035	13.1	21.5
3 2	12 58.36	− 1 44.7	2.158	3.040	10.2	21.3
3 12	12 52.27	− 1 6.6	2.097	3.044	6.8	21.1
3 22	12 44.76	− 0 23.0	2.062	3.048	3.2	20.9
4 1	12 36.55	+ 0 21.4	2.056	3.052	1.7	20.8
4 11	12 28.49	+ 1 1.2	2.079	3.056	5.1	21.0
4 21	12 21.35	+ 1 32.3	2.130	3.059	8.6	21.3
5 1	12 15.78	+ 1 51.5	2.205	3.062	11.7	21.5

433875 2015 BA_{324} 3 30.8 193.°17 3.°3/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.00	+ 3 21.0	2.098	2.905	13.3	21.5
3 2	12 58.90	+ 4 4.6	2.013	2.904	10.3	21.3
3 12	12 52.73	+ 4 54.7	1.953	2.903	7.0	21.1
3 22	12 45.01	+ 5 45.8	1.918	2.901	4.0	20.9
4 1	12 36.51	+ 6 32.0	1.913	2.899	3.8	20.9
4 11	12 28.15	+ 7 7.6	1.935	2.898	6.8	21.1
4 21	12 20.78	+ 7 28.6	1.984	2.895	10.2	21.2
5 1	12 15.08	+ 7 33.0	2.057	2.893	13.2	21.4

168250 2006 KU_{109} 3 30.8 174.°34 2.°1/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.37	− 0 21.4	1.856	2.653	15.1	20.8
3 2	13 2.60	+ 0 5.4	1.771	2.656	11.8	20.6
3 12	12 55.39	+ 0 41.6	1.709	2.658	7.9	20.3
3 22	12 46.33	+ 1 22.6	1.673	2.659	3.9	20.1
4 1	12 36.32	+ 2 2.6	1.665	2.660	2.5	20.0
4 11	12 26.50	+ 2 35.4	1.686	2.660	6.3	20.2
4 21	12 17.86	+ 2 56.5	1.733	2.660	10.4	20.5
5 1	12 11.22	+ 3 2.7	1.804	2.659	14.0	20.7

224252 2005 SG_{193} 3 30.8 93.°75 7.°0/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 9.14	+14 50.9	1.938	2.748	14.1	20.0
3 2	13 3.60	+15 43.2	1.884	2.767	11.3	19.9
3 12	12 55.76	+16 31.4	1.853	2.785	8.7	19.8
3 22	12 46.36	+17 8.3	1.848	2.804	7.1	19.7
4 1	12 36.34	+17 27.4	1.871	2.822	7.6	19.8
4 11	12 26.78	+17 25.0	1.920	2.840	9.8	19.9
4 21	12 18.58	+17 0.8	1.994	2.858	12.4	20.1
5 1	12 12.38	+16 16.6	2.090	2.875	14.8	20.3

388029 2005 SH_{87} 3 30.8 325.°78 1.°3/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.91	+ 0 0.2	2.150	2.945	13.4	20.5
3 2	13 0.43	− 0 5.6	2.054	2.937	10.5	20.3
3 12	12 53.81	− 0 5.5	1.982	2.929	7.1	20.0
3 22	12 45.56	− 0 2.4	1.935	2.922	3.4	19.8
4 1	12 36.43	+ 0 0.4	1.918	2.915	1.6	19.6
4 11	12 27.37	− 0 0.9	1.929	2.908	5.2	19.9
4 21	12 19.25	− 0 9.2	1.968	2.901	8.9	20.1
5 1	12 12.81	− 0 26.6	2.031	2.895	12.3	20.3

246301 2007 TF_{116} 3 30.8 67.°77 1.°4/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.89	− 2 52.4	2.112	2.910	13.5	20.5
3 2	12 56.36	− 2 12.8	2.038	2.923	10.5	20.3
3 12	12 50.92	− 1 22.8	1.987	2.936	7.0	20.1
3 22	12 44.10	− 0 26.8	1.962	2.950	3.2	19.9
4 1	12 36.65	+ 0 29.8	1.966	2.963	1.8	19.8
4 11	12 29.42	+ 1 20.9	1.999	2.976	5.2	20.1
4 21	12 23.17	+ 2 1.9	2.058	2.990	8.7	20.3
5 1	12 18.49	+ 2 29.3	2.142	3.003	11.9	20.6

281977 2011 HS_{8} 3 30.8 16.°92 5.°1/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.09	+ 7 19.1	1.781	2.603	14.7	20.1
3 2	12 59.31	+ 8 6.5	1.707	2.604	11.5	19.8
3 12	12 53.16	+ 8 57.4	1.656	2.605	8.1	19.6
3 22	12 45.25	+ 9 45.1	1.630	2.607	5.4	19.5
4 1	12 36.48	+10 22.3	1.631	2.609	5.7	19.5
4 11	12 27.95	+10 43.0	1.659	2.611	8.6	19.7
4 21	12 20.62	+10 44.2	1.711	2.614	12.0	19.9
5 1	12 15.24	+10 25.2	1.785	2.616	15.1	20.1

306936 2001 US_{100} 3 30.8 221.°35 0.°8/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.09	− 2 24.0	2.487	3.271	12.1	20.9
3 2	12 58.69	− 2 12.4	2.389	3.266	9.5	20.7
3 12	12 52.46	− 1 53.0	2.315	3.260	6.4	20.5
3 22	12 44.86	− 1 28.6	2.268	3.254	3.0	20.2
4 1	12 36.54	− 1 2.7	2.250	3.248	1.2	20.1
4 11	12 28.27	− 0 39.4	2.263	3.242	4.5	20.3
4 21	12 20.81	− 0 22.1	2.303	3.235	7.9	20.5
5 1	12 14.76	− 0 13.9	2.369	3.229	10.9	20.7

176007 2000 RV_{64} 3 30.8 147.°59 4.°1/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.19	−20 7.8	2.828	3.528	12.7	20.9
3 2	12 57.85	−20 28.0	2.731	3.535	10.7	20.8
3 12	12 51.82	−20 33.2	2.655	3.541	8.4	20.6
3 22	12 44.53	−20 23.0	2.604	3.547	6.0	20.5
4 1	12 36.59	−19 58.3	2.580	3.553	4.3	20.4
4 11	12 28.72	−19 21.9	2.586	3.559	4.6	20.4
4 21	12 21.59	−18 38.0	2.621	3.564	6.5	20.5
5 1	12 15.79	−17 51.4	2.682	3.569	8.9	20.7

97962 2000 QC_{141} 3 30.8 104.°32 1.°4/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 12.02	− 6 13.9	1.921	2.690	15.7	18.9
3 2	13 6.23	− 6 53.1	1.833	2.696	12.6	18.7
3 12	12 57.86	− 7 22.9	1.766	2.701	8.8	18.5
3 22	12 47.53	− 7 43.9	1.726	2.707	4.6	18.2
4 1	12 36.16	− 7 57.4	1.714	2.712	1.4	18.0
4 11	12 24.94	− 8 6.5	1.732	2.717	4.9	18.3
4 21	12 14.94	− 8 14.6	1.778	2.722	9.0	18.5
5 1	12 7.02	− 8 25.4	1.850	2.727	12.7	18.8

173756 2001 RM_{100} 3 30.8 187.°28 1.°4/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.83	− 9 50.5	2.620	3.375	12.3	20.8
3 2	12 58.41	− 9 52.9	2.521	3.375	9.9	20.6
3 12	12 52.24	− 9 44.0	2.444	3.374	7.0	20.4
3 22	12 44.75	− 9 25.2	2.395	3.373	3.8	20.2
4 1	12 36.57	− 8 58.8	2.374	3.371	1.4	20.0
4 11	12 28.45	− 8 28.5	2.384	3.370	3.7	20.2
4 21	12 21.09	− 7 58.2	2.423	3.367	6.9	20.4
5 1	12 15.10	− 7 31.8	2.488	3.365	9.8	20.6

401162 2011 WN_{53} 3 30.8 133.°99 0.°8/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.02	− 4 23.8	1.914	2.700	15.2	22.2
3 2	13 2.13	− 3 54.1	1.838	2.715	11.9	22.0
3 12	12 54.93	− 3 12.1	1.784	2.729	8.0	21.8
3 22	12 46.05	− 2 21.8	1.756	2.742	3.7	21.6
4 1	12 36.39	− 1 28.7	1.757	2.755	1.2	21.4
4 11	12 27.00	− 0 39.4	1.786	2.767	5.4	21.7
4 21	12 18.82	+ 0 0.8	1.844	2.778	9.4	22.0
5 1	12 12.56	+ 0 27.9	1.925	2.788	12.9	22.2

292623 2006 UD_9 3 30.8 191.°20 5.°5/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.97	+13 39.3	2.603	3.409	11.0	20.4
3 2	12 58.44	+14 27.7	2.526	3.408	8.8	20.3
3 12	12 52.19	+15 14.5	2.474	3.407	6.7	20.1
3 22	12 44.69	+15 54.3	2.449	3.406	5.5	20.1
4 1	12 36.60	+16 22.0	2.453	3.405	6.0	20.1
4 11	12 28.67	+16 33.9	2.484	3.403	7.9	20.2
4 21	12 21.58	+16 28.4	2.542	3.401	10.2	20.3
5 1	12 15.89	+16 5.6	2.622	3.399	12.3	20.5

347473 2012 UZ_3 3 30.8 302.°70 1.°6/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.09	− 1 55.9	2.040	2.842	13.8	20.8
3 2	12 56.78	− 1 22.5	1.948	2.836	10.8	20.6
3 12	12 51.39	− 0 38.7	1.879	2.830	7.2	20.4
3 22	12 44.42	+ 0 11.5	1.837	2.824	3.4	20.1
4 1	12 36.63	+ 1 2.6	1.822	2.818	2.0	20.0
4 11	12 28.92	+ 1 48.4	1.836	2.812	5.6	20.2
4 21	12 22.14	+ 2 23.9	1.876	2.807	9.4	20.4
5 1	12 17.01	+ 2 45.4	1.939	2.801	12.9	20.6

49441 Scerbanenco 3 30.8 97.°72 1.°9/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.21	−12 48.2	1.871	2.635	16.2	20.0
3 2	12 59.26	−12 27.3	1.796	2.654	13.1	19.9
3 12	12 53.04	−11 47.3	1.742	2.672	9.3	19.7
3 22	12 45.16	−10 50.7	1.712	2.690	5.2	19.4
4 1	12 36.54	− 9 42.2	1.711	2.707	2.0	19.3
4 11	12 28.20	− 8 29.0	1.737	2.724	4.6	19.5
4 21	12 21.05	− 7 18.5	1.791	2.741	8.5	19.7
5 1	12 15.79	− 6 17.2	1.870	2.757	12.1	20.0

468876 2013 RA_{61} 3 30.8 196.°82 4.°5/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.66	−18 16.6	2.347	3.061	14.7	21.6
3 2	13 1.81	−18 49.1	2.242	3.058	12.3	21.4
3 12	12 54.80	−19 5.7	2.159	3.055	9.6	21.2
3 22	12 46.08	−19 5.3	2.100	3.052	6.7	21.0
4 1	12 36.40	−18 48.1	2.069	3.047	4.7	20.9
4 11	12 26.70	−18 17.1	2.067	3.043	5.2	20.9
4 21	12 17.90	−17 37.2	2.093	3.037	7.8	21.1
5 1	12 10.76	−16 54.1	2.146	3.032	10.8	21.2

388663 2007 TX_{334} 3 30.8 58.°24 2.°3/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.70	+ 1 23.4	2.090	2.894	13.4	21.3
3 2	12 58.59	+ 1 46.8	2.014	2.903	10.4	21.1
3 12	12 52.47	+ 2 16.6	1.961	2.911	7.0	20.9
3 22	12 44.87	+ 2 48.6	1.934	2.920	3.5	20.7
4 1	12 36.59	+ 3 17.9	1.935	2.928	2.7	20.7
4 11	12 28.52	+ 3 39.7	1.965	2.937	5.8	20.9
4 21	12 21.47	+ 3 50.4	2.022	2.946	9.3	21.1
5 1	12 16.08	+ 3 48.2	2.103	2.955	12.4	21.3

175697 1995 UG_2 3 30.8 197.°92 0.°4/30.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.87	− 5 25.7	2.090	2.871	14.2	21.6
3 2	13 0.47	− 5 0.1	1.995	2.868	11.2	21.4
3 12	12 53.88	− 4 21.8	1.922	2.865	7.6	21.2
3 22	12 45.62	− 3 34.0	1.875	2.861	3.6	20.9
4 1	12 36.47	− 2 41.5	1.857	2.856	0.8	20.7
4 11	12 27.40	− 1 50.3	1.868	2.850	5.0	21.0
4 21	12 19.30	− 1 6.0	1.907	2.844	9.0	21.2
5 1	12 12.93	− 0 33.1	1.971	2.837	12.5	21.4

434832 2006 SL_{48} 3 30.8 175.°99 1.°6/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.47	+ 0 9.6	2.886	3.672	10.6	21.9
3 2	12 57.10	+ 0 36.6	2.795	3.674	8.2	21.7
3 12	12 51.21	+ 1 9.5	2.729	3.676	5.5	21.6
3 22	12 44.22	+ 1 45.0	2.691	3.677	2.7	21.4
4 1	12 36.68	+ 2 19.5	2.684	3.677	1.9	21.3
4 11	12 29.25	+ 2 49.2	2.706	3.678	4.5	21.5
4 21	12 22.50	+ 3 11.2	2.758	3.678	7.3	21.7
5 1	12 16.96	+ 3 23.1	2.835	3.677	9.8	21.8

333087 2011 UK_{164} 3 30.8 187.°56 2.°4/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.32	− 2 15.0	1.795	2.598	15.4	21.2
3 2	12 59.57	− 1 12.0	1.709	2.598	12.0	21.0
3 12	12 53.42	+ 0 5.3	1.646	2.597	8.0	20.7
3 22	12 45.43	+ 1 30.7	1.609	2.596	3.9	20.5
4 1	12 36.51	+ 2 56.4	1.600	2.594	2.9	20.4
4 11	12 27.73	+ 4 13.4	1.619	2.592	6.8	20.6
4 21	12 20.09	+ 5 15.0	1.665	2.589	11.0	20.9
5 1	12 14.38	+ 5 56.5	1.734	2.585	14.6	21.1

396670 2002 QN_{70} 3 30.8 235.°87 0.°3/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.61	− 6 24.3	1.589	2.385	17.4	22.5
3 2	13 1.92	− 5 59.1	1.492	2.374	13.8	22.2
3 12	12 55.39	− 5 16.4	1.416	2.362	9.5	21.9
3 22	12 46.54	− 4 19.2	1.363	2.350	4.6	21.6
4 1	12 36.35	− 3 13.7	1.338	2.337	0.8	21.3
4 11	12 26.13	− 2 8.3	1.339	2.323	6.2	21.6
4 21	12 17.14	− 1 11.3	1.367	2.309	11.3	21.9
5 1	12 10.43	− 0 29.5	1.417	2.295	15.8	22.1

495125 2011 WA_{36} 3 30.8 94.°55 1.°6/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.84	− 3 2.3	1.567	2.373	17.1	22.1
3 2	13 1.67	− 2 28.6	1.500	2.388	13.3	21.8
3 12	12 54.85	− 1 41.6	1.453	2.404	8.9	21.6
3 22	12 46.09	− 0 46.5	1.432	2.419	4.1	21.4
4 1	12 36.44	+ 0 9.6	1.437	2.434	2.0	21.3
4 11	12 27.16	+ 0 58.8	1.469	2.449	6.4	21.6
4 21	12 19.32	+ 1 35.2	1.527	2.463	10.8	21.9
5 1	12 13.71	+ 1 55.0	1.608	2.477	14.7	22.1

279426 2010 MU_8 3 30.8 248.°58 2.°7/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.38	− 0 41.4	1.860	2.664	14.8	21.2
3 2	12 59.71	+ 0 10.8	1.759	2.648	11.6	21.0
3 12	12 53.63	+ 1 15.8	1.681	2.632	7.8	20.7
3 22	12 45.61	+ 2 28.1	1.628	2.615	4.0	20.4
4 1	12 36.49	+ 3 40.5	1.604	2.597	3.2	20.3
4 11	12 27.33	+ 4 44.9	1.608	2.579	7.0	20.5
4 21	12 19.19	+ 5 34.6	1.638	2.560	11.2	20.7
5 1	12 12.93	+ 6 5.4	1.691	2.541	15.0	20.9

146485 2001 RJ_{144} 3 30.8 80.°98 3.°0/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.23	−13 45.6	1.767	2.530	17.1	20.4
3 2	13 0.26	−13 51.8	1.692	2.546	13.9	20.2
3 12	12 53.84	−13 38.9	1.637	2.562	10.1	20.0
3 22	12 45.61	−13 7.8	1.605	2.578	6.1	19.8
4 1	12 36.50	−12 21.9	1.600	2.594	3.1	19.6
4 11	12 27.67	−11 27.5	1.623	2.609	4.9	19.8
4 21	12 20.11	−10 31.8	1.673	2.625	8.8	20.0
5 1	12 14.57	− 9 41.5	1.746	2.640	12.4	20.3

70699 1999 US_{27} 3 30.8 343.°02 0.°6/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.92	− 8 9.3	1.327	2.142	19.1	18.8
3 2	12 57.04	− 7 52.8	1.244	2.136	15.3	18.6
3 12	12 52.23	− 7 15.3	1.180	2.130	10.6	18.3
3 22	12 45.05	− 6 19.7	1.139	2.125	5.3	18.0
4 1	12 36.58	− 5 12.6	1.121	2.120	0.7	17.6
4 11	12 28.21	− 4 3.6	1.128	2.116	6.2	18.0
4 21	12 21.24	− 3 2.5	1.160	2.113	11.6	18.3
5 1	12 16.71	− 2 17.1	1.212	2.111	16.3	18.5

120172 2003 JU_9 3 30.8 272.°26 0.°5/31.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.37	− 8 20.4	2.501	3.274	12.4	20.5
3 2	12 55.10	− 7 56.7	2.396	3.263	9.8	20.3
3 12	12 50.11	− 7 20.4	2.313	3.252	6.8	20.1
3 22	12 43.79	− 6 33.9	2.258	3.241	3.4	19.9
4 1	12 36.77	− 5 40.6	2.231	3.230	0.5	19.6
4 11	12 29.76	− 4 45.6	2.233	3.218	3.9	19.8
4 21	12 23.48	− 3 53.9	2.264	3.207	7.4	20.0
5 1	12 18.52	− 3 10.0	2.320	3.196	10.5	20.2

54850 2001 OZ_{11} 3 30.8 163.°90 3.°0/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.56	+ 5 10.7	2.848	3.645	10.4	19.2
3 2	12 57.17	+ 5 53.0	2.766	3.650	8.1	19.1
3 12	12 51.26	+ 6 38.7	2.709	3.655	5.5	18.9
3 22	12 44.25	+ 7 23.7	2.680	3.659	3.4	18.8
4 1	12 36.72	+ 8 3.6	2.682	3.663	3.4	18.8
4 11	12 29.32	+ 8 34.5	2.713	3.666	5.6	18.9
4 21	12 22.65	+ 8 53.6	2.772	3.669	8.1	19.1
5 1	12 17.21	+ 8 59.7	2.855	3.672	10.5	19.3

506568 2005 UQ_{91} 3 30.8 244.°20 2.°3/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.36	−12 22.2	2.092	2.850	14.9	22.0
3 2	12 59.48	−12 22.3	1.984	2.837	12.2	21.8
3 12	12 53.37	−12 6.1	1.897	2.824	8.9	21.5
3 22	12 45.46	−11 34.5	1.835	2.810	5.2	21.3
4 1	12 36.53	−10 50.0	1.801	2.796	2.3	21.1
4 11	12 27.54	− 9 57.7	1.795	2.781	4.6	21.2
4 21	12 19.46	− 9 3.7	1.817	2.766	8.4	21.4
5 1	12 13.10	− 8 14.4	1.864	2.751	12.1	21.6

503398 2016 CL_{206} 3 30.8 335.°66 2.°9/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.01	−11 44.4	1.487	2.274	18.7	21.2
3 2	13 0.03	−12 2.3	1.400	2.270	15.3	21.0
3 12	12 54.15	−12 0.8	1.332	2.266	11.1	20.7
3 22	12 45.95	−11 40.1	1.286	2.263	6.5	20.4
4 1	12 36.46	−11 3.3	1.265	2.260	2.9	20.2
4 11	12 27.03	−10 16.7	1.269	2.257	5.7	20.3
4 21	12 18.94	− 9 28.2	1.299	2.255	10.4	20.6
5 1	12 13.21	− 8 45.9	1.351	2.253	14.8	20.8

408753 1992 SU_3 3 30.8 191.°51 0.°1/30.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.10	− 6 21.8	1.936	2.716	15.2	22.5
3 2	13 1.63	− 6 7.6	1.843	2.715	12.1	22.3
3 12	12 54.78	− 5 39.9	1.772	2.713	8.3	22.1
3 22	12 46.11	− 5 1.5	1.726	2.711	4.0	21.8
4 1	12 36.46	− 4 16.9	1.709	2.708	0.5	21.5
4 11	12 26.90	− 3 32.0	1.721	2.705	5.0	21.9
4 21	12 18.43	− 2 52.7	1.760	2.701	9.3	22.1
5 1	12 11.86	− 2 23.7	1.824	2.696	13.0	22.3

392571 2011 SG_{119} 3 30.8 272.°66 4.°0/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.04	+ 7 9.8	2.372	3.182	11.8	21.1
3 2	12 57.16	+ 7 53.3	2.288	3.179	9.2	20.9
3 12	12 51.46	+ 8 39.6	2.228	3.175	6.5	20.7
3 22	12 44.42	+ 9 23.8	2.195	3.171	4.3	20.6
4 1	12 36.71	+10 0.4	2.191	3.168	4.6	20.6
4 11	12 29.12	+10 24.9	2.214	3.164	6.9	20.7
4 21	12 22.38	+10 34.3	2.265	3.160	9.8	20.9
5 1	12 17.09	+10 27.5	2.338	3.157	12.4	21.1

241900 2001 XF_{141} 3 30.8 191.°91 1.°2/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.53	−11 5.4	2.810	3.563	11.6	21.5
3 2	12 55.75	−10 45.3	2.709	3.561	9.3	21.3
3 12	12 50.40	−10 12.8	2.630	3.559	6.6	21.2
3 22	12 43.89	− 9 29.5	2.579	3.557	3.6	21.0
4 1	12 36.78	− 8 38.5	2.557	3.555	1.2	20.8
4 11	12 29.74	− 7 44.0	2.566	3.552	3.4	20.9
4 21	12 23.37	− 6 50.6	2.603	3.548	6.4	21.1
5 1	12 18.22	− 6 2.4	2.667	3.545	9.2	21.3

153175 2000 UN_2 3 30.8 253.°57 0.°1/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.49	− 5 3.2	2.473	3.250	12.4	20.4
3 2	12 58.30	− 5 0.6	2.372	3.243	9.8	20.2
3 12	12 52.26	− 4 49.1	2.295	3.236	6.7	20.0
3 22	12 44.83	− 4 30.5	2.244	3.229	3.2	19.7
4 1	12 36.65	− 4 8.0	2.222	3.221	0.4	19.5
4 11	12 28.50	− 3 45.4	2.230	3.214	4.1	19.7
4 21	12 21.13	− 3 26.5	2.266	3.206	7.6	20.0
5 1	12 15.18	− 3 14.5	2.328	3.198	10.7	20.1

109191 2001 QS_{73} 3 30.8 107.°08 1.°1/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.82	− 9 43.1	1.889	2.666	15.7	19.5
3 2	12 59.01	− 9 26.6	1.807	2.675	12.5	19.3
3 12	12 52.94	− 8 53.8	1.747	2.685	8.7	19.1
3 22	12 45.19	− 8 7.2	1.712	2.694	4.5	18.8
4 1	12 36.61	− 7 11.5	1.705	2.703	1.1	18.6
4 11	12 28.23	− 6 13.0	1.726	2.712	4.7	18.9
4 21	12 20.98	− 5 18.5	1.774	2.721	8.7	19.1
5 1	12 15.58	− 4 33.5	1.846	2.730	12.4	19.4

165251 2000 SA_{176} 3 30.8 203.°49 2.°6/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.77	−12 17.5	1.912	2.669	16.2	20.7
3 2	13 2.32	−12 26.4	1.813	2.666	13.2	20.5
3 12	12 55.38	−12 18.7	1.735	2.661	9.6	20.3
3 22	12 46.46	−11 54.8	1.682	2.656	5.6	20.0
4 1	12 36.43	−11 17.1	1.656	2.651	2.6	19.8
4 11	12 26.42	−10 31.0	1.659	2.645	4.9	19.9
4 21	12 17.50	− 9 42.7	1.689	2.638	9.0	20.1
5 1	12 10.55	− 8 58.9	1.744	2.630	12.8	20.4

192370 1996 AG_{10} 3 30.8 162.°29 1.°2/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.69	−10 15.7	2.300	3.064	13.6	21.2
3 2	12 57.77	− 9 59.1	2.208	3.068	10.9	21.0
3 12	12 51.93	− 9 28.3	2.138	3.071	7.6	20.8
3 22	12 44.68	− 8 45.4	2.094	3.074	4.1	20.6
4 1	12 36.69	− 7 54.0	2.079	3.077	1.2	20.4
4 11	12 28.82	− 6 59.3	2.093	3.079	4.0	20.6
4 21	12 21.84	− 6 6.7	2.135	3.081	7.6	20.8
5 1	12 16.37	− 5 21.3	2.203	3.082	10.8	21.0

362775 2011 WT_{100} 3 30.8 175.°71 1.°7/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.75	−11 50.0	1.910	2.674	16.0	21.5
3 2	13 0.62	−11 31.6	1.818	2.677	12.9	21.3
3 12	12 54.12	−10 54.8	1.747	2.679	9.2	21.1
3 22	12 45.80	−10 1.5	1.702	2.680	5.1	20.8
4 1	12 36.54	− 8 55.9	1.683	2.681	1.7	20.6
4 11	12 27.39	− 7 44.9	1.694	2.681	4.7	20.8
4 21	12 19.36	− 6 35.9	1.732	2.680	8.9	21.0
5 1	12 13.23	− 5 35.7	1.795	2.679	12.7	21.3

180540 2004 EY_9 3 30.8 266.°31 3.°4/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.90	−14 51.4	2.488	3.219	13.5	20.1
3 2	13 0.42	−15 22.0	2.369	3.201	11.2	19.9
3 12	12 53.89	−15 39.8	2.272	3.182	8.5	19.7
3 22	12 45.71	−15 44.2	2.201	3.163	5.6	19.5
4 1	12 36.54	−15 35.6	2.158	3.144	3.5	19.3
4 11	12 27.23	−15 16.6	2.144	3.124	4.6	19.3
4 21	12 18.64	−14 51.1	2.158	3.104	7.5	19.5
5 1	12 11.53	−14 23.8	2.199	3.084	10.6	19.6

337947 2001 YO_{134} 3 30.8 107.°47 3.°6/27.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.48	+ 7 32.2	2.488	3.287	11.7	20.7
3 2	13 0.37	+ 7 56.4	2.414	3.298	9.1	20.5
3 12	12 53.48	+ 8 21.9	2.365	3.310	6.3	20.4
3 22	12 45.33	+ 8 44.2	2.344	3.321	4.0	20.2
4 1	12 36.63	+ 8 59.3	2.352	3.332	4.0	20.2
4 11	12 28.16	+ 9 3.6	2.390	3.343	6.3	20.4
4 21	12 20.63	+ 8 55.4	2.455	3.353	9.0	20.6
5 1	12 14.58	+ 8 34.0	2.544	3.364	11.5	20.8

499205 2009 UO_7 3 30.8 248.°34 2.°7/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.59	+ 0 31.3	1.877	2.685	14.6	22.2
3 2	12 58.95	+ 1 12.7	1.788	2.679	11.4	22.0
3 12	12 53.00	+ 2 3.9	1.721	2.673	7.6	21.8
3 22	12 45.28	+ 2 59.7	1.681	2.667	3.9	21.5
4 1	12 36.62	+ 3 53.5	1.668	2.660	3.2	21.5
4 11	12 28.06	+ 4 38.5	1.682	2.653	6.7	21.7
4 21	12 20.55	+ 5 9.5	1.723	2.646	10.7	21.9
5 1	12 14.88	+ 5 23.2	1.787	2.639	14.2	22.1

34866 2001 TN_{119} 3 30.8 50.°87 8.°6/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.62	−25 35.6	1.673	2.379	20.0	18.3
3 2	13 1.14	−26 40.4	1.595	2.391	17.4	18.1
3 12	12 54.81	−27 19.8	1.534	2.404	14.4	17.9
3 22	12 46.25	−27 29.8	1.494	2.416	11.4	17.8
4 1	12 36.50	−27 9.1	1.476	2.429	9.1	17.7
4 11	12 26.91	−26 21.4	1.483	2.442	8.8	17.7
4 21	12 18.73	−25 14.3	1.515	2.455	10.5	17.8
5 1	12 12.90	−23 57.9	1.570	2.469	13.3	18.0

235975 2005 EX_{257} 3 30.8 269.°96 0.°4/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.21	− 8 25.2	2.196	2.975	13.7	20.5
3 2	12 56.03	− 7 57.4	2.095	2.966	10.9	20.2
3 12	12 50.89	− 7 15.0	2.016	2.956	7.5	20.0
3 22	12 44.24	− 6 20.7	1.963	2.947	3.8	19.8
4 1	12 36.78	− 5 18.7	1.938	2.937	0.5	19.5
4 11	12 29.35	− 4 15.2	1.942	2.928	4.4	19.8
4 21	12 22.76	− 3 16.0	1.974	2.918	8.2	20.0
5 1	12 17.69	− 2 26.6	2.031	2.908	11.7	20.2

332836 2010 AT_{69} 3 30.8 126.°76 3.°6/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.89	+ 4 3.7	2.025	2.835	13.6	20.4
3 2	12 58.89	+ 4 46.8	1.946	2.838	10.5	20.2
3 12	12 52.77	+ 5 35.5	1.891	2.841	7.2	20.0
3 22	12 45.10	+ 6 24.4	1.862	2.844	4.2	19.8
4 1	12 36.67	+ 7 7.4	1.861	2.847	4.1	19.8
4 11	12 28.43	+ 7 38.7	1.888	2.850	7.0	20.0
4 21	12 21.23	+ 7 54.8	1.942	2.852	10.4	20.2
5 1	12 15.74	+ 7 53.9	2.018	2.855	13.4	20.4

212431 2006 OO_{11} 3 30.8 252.°83 0.°1/30.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.55	− 6 54.9	1.921	2.706	15.2	21.4
3 2	12 59.86	− 6 26.3	1.812	2.687	12.1	21.2
3 12	12 53.78	− 5 41.9	1.725	2.668	8.4	20.9
3 22	12 45.75	− 4 44.3	1.663	2.648	4.0	20.6
4 1	12 36.58	− 3 38.6	1.629	2.628	0.6	20.3
4 11	12 27.31	− 2 32.0	1.624	2.607	5.3	20.6
4 21	12 18.99	− 1 31.6	1.645	2.586	9.9	20.8
5 1	12 12.50	− 0 43.7	1.691	2.564	13.9	21.0

364582 2007 RP_{103} 3 30.8 160.°99 0.°6/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.85	− 6 47.8	1.807	2.587	16.1	21.4
3 2	13 3.14	− 6 46.6	1.721	2.592	12.8	21.2
3 12	12 55.89	− 6 31.8	1.656	2.596	8.9	21.0
3 22	12 46.68	− 6 5.8	1.616	2.600	4.4	20.7
4 1	12 36.47	− 5 32.6	1.604	2.603	0.7	20.4
4 11	12 26.42	− 4 57.8	1.620	2.606	5.1	20.8
4 21	12 17.60	− 4 27.2	1.664	2.608	9.5	21.0
5 1	12 10.84	− 4 5.7	1.732	2.609	13.4	21.3

360217 1999 RA_{30} 3 30.8 144.°99 1.°0/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.20	− 6 50.8	1.945	2.732	14.9	21.3
3 2	12 58.44	− 5 40.2	1.863	2.741	11.7	21.1
3 12	12 52.52	− 4 12.5	1.805	2.751	7.8	20.8
3 22	12 45.00	− 2 33.2	1.772	2.759	3.6	20.6
4 1	12 36.72	− 0 49.8	1.769	2.767	1.4	20.4
4 11	12 28.64	+ 0 48.7	1.796	2.774	5.5	20.7
4 21	12 21.65	+ 2 14.8	1.850	2.781	9.5	21.0
5 1	12 16.43	+ 3 22.9	1.928	2.787	13.0	21.2

262524 2006 UU_{290} 3 30.8 322.°64 3.°6/28.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.79	+ 1 48.9	1.405	2.236	17.4	20.2
3 2	12 59.21	+ 2 20.2	1.318	2.222	13.7	19.9
3 12	12 53.70	+ 3 2.2	1.252	2.208	9.3	19.6
3 22	12 45.81	+ 3 48.5	1.208	2.194	5.0	19.3
4 1	12 36.58	+ 4 31.0	1.189	2.182	4.2	19.2
4 11	12 27.38	+ 5 1.4	1.196	2.170	8.4	19.5
4 21	12 19.52	+ 5 13.5	1.226	2.158	13.2	19.7
5 1	12 14.05	+ 5 4.4	1.276	2.148	17.5	19.9

39828 1998 BH_4 3 30.8 5.°07 1.°6/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.15	− 7 38.9	1.006	1.846	22.1	17.7
3 2	12 56.39	− 8 0.6	0.940	1.844	17.7	17.4
3 12	12 52.17	− 8 1.3	0.891	1.845	12.5	17.1
3 22	12 45.16	− 7 42.8	0.862	1.848	6.5	16.8
4 1	12 36.68	− 7 10.6	0.854	1.852	1.6	16.5
4 11	12 28.46	− 6 33.7	0.868	1.859	6.7	16.8
4 21	12 22.05	− 6 1.4	0.903	1.867	12.6	17.2
5 1	12 18.56	− 5 41.7	0.957	1.877	17.7	17.5

410002 2006 WW_{29} 3 30.8 53.°48 5.°6/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.97	−28 43.8	1.504	2.204	22.1	20.1
3 2	13 0.25	−27 26.3	1.446	2.247	18.7	19.9
3 12	12 53.79	−25 29.0	1.405	2.289	14.6	19.8
3 22	12 45.52	−22 54.6	1.387	2.331	10.1	19.6
4 1	12 36.68	−19 51.9	1.395	2.373	6.4	19.5
4 11	12 28.58	−16 36.3	1.433	2.415	6.1	19.6
4 21	12 22.20	−13 24.8	1.500	2.457	9.1	19.8
5 1	12 18.16	−10 31.7	1.594	2.498	12.8	20.2

92048 1999 VW_{202} 3 30.8 206.°35 3.°0/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.53	−13 45.1	2.371	3.107	14.0	19.5
3 2	13 1.66	−14 9.3	2.266	3.103	11.5	19.3
3 12	12 54.70	−14 20.1	2.183	3.098	8.5	19.1
3 22	12 46.09	−14 17.2	2.126	3.093	5.4	18.9
4 1	12 36.57	−14 1.9	2.097	3.087	3.1	18.8
4 11	12 27.04	−13 37.3	2.098	3.080	4.4	18.8
4 21	12 18.37	−13 7.8	2.127	3.074	7.6	19.0
5 1	12 11.29	−12 38.4	2.183	3.066	10.7	19.2

145068 2005 GF_{30} 3 30.8 246.°75 4.°2/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.45	+ 4 1.6	1.778	2.593	15.0	20.2
3 2	13 0.60	+ 4 52.5	1.689	2.583	11.7	19.9
3 12	12 54.26	+ 5 51.4	1.622	2.573	8.1	19.7
3 22	12 45.96	+ 6 51.7	1.580	2.562	4.8	19.4
4 1	12 36.59	+ 7 45.7	1.566	2.551	4.8	19.4
4 11	12 27.30	+ 8 26.0	1.579	2.540	8.2	19.6
4 21	12 19.14	+ 8 47.7	1.617	2.528	12.0	19.8
5 1	12 12.97	+ 8 48.6	1.678	2.517	15.6	20.0

330360 2006 VV_{122} 3 30.8 48.°80 3.°2/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.11	−13 56.5	1.533	2.310	18.7	20.7
3 2	12 59.04	−14 2.0	1.459	2.322	15.2	20.5
3 12	12 53.27	−13 45.5	1.405	2.335	11.1	20.3
3 22	12 45.47	−13 8.1	1.374	2.348	6.7	20.0
4 1	12 36.67	−12 13.9	1.367	2.361	3.3	19.9
4 11	12 28.16	−11 10.2	1.387	2.375	5.4	20.0
4 21	12 21.03	−10 5.6	1.433	2.389	9.6	20.3
5 1	12 16.13	− 9 8.3	1.502	2.403	13.6	20.6

506714 2006 UB_{190} 3 30.8 163.°85 3.°3/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.70	−18 50.6	2.838	3.550	12.4	21.9
3 2	12 55.93	−18 44.4	2.738	3.554	10.3	21.7
3 12	12 50.57	−18 22.5	2.660	3.558	7.9	21.5
3 22	12 44.02	−17 45.2	2.607	3.561	5.4	21.4
4 1	12 36.88	−16 54.6	2.582	3.564	3.5	21.3
4 11	12 29.82	−15 54.6	2.587	3.567	3.9	21.3
4 21	12 23.47	−14 49.8	2.620	3.569	6.2	21.4
5 1	12 18.38	−13 45.6	2.681	3.571	8.8	21.6

157954 2000 DX_1 3 30.8 268.°29 1.°4/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.12	− 4 15.7	1.490	2.300	17.6	20.9
3 2	13 0.19	− 3 38.6	1.394	2.286	13.9	20.6
3 12	12 54.36	− 2 43.8	1.320	2.271	9.5	20.3
3 22	12 46.17	− 1 35.8	1.268	2.256	4.5	20.0
4 1	12 36.58	− 0 22.2	1.243	2.241	2.0	19.8
4 11	12 26.95	+ 0 47.5	1.244	2.225	7.0	20.0
4 21	12 18.57	+ 1 44.3	1.270	2.209	12.2	20.3
5 1	12 12.51	+ 2 21.8	1.317	2.194	16.8	20.5

455752 2005 JV_{185} 3 30.8 321.°17 0.°8/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.41	− 3 8.7	1.346	2.168	18.5	20.8
3 2	12 59.98	− 3 11.5	1.252	2.149	14.8	20.5
3 12	12 54.45	− 3 1.0	1.178	2.131	10.2	20.2
3 22	12 46.30	− 2 40.5	1.125	2.113	4.9	19.8
4 1	12 36.56	− 2 15.1	1.097	2.096	1.3	19.5
4 11	12 26.71	− 1 52.2	1.094	2.080	6.9	19.8
4 21	12 18.19	− 1 38.4	1.115	2.065	12.4	20.1
5 1	12 12.20	− 1 39.1	1.156	2.050	17.3	20.3

27507 2000 GS_{141} 3 30.8 135.°19 4.°1/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.67	+ 5 14.9	1.969	2.777	14.0	19.1
3 2	13 1.07	+ 6 3.8	1.897	2.787	10.9	18.9
3 12	12 54.25	+ 6 57.6	1.848	2.796	7.5	18.7
3 22	12 45.83	+ 7 50.0	1.825	2.805	4.6	18.5
4 1	12 36.67	+ 8 34.6	1.831	2.813	4.6	18.6
4 11	12 27.76	+ 9 5.5	1.865	2.821	7.5	18.7
4 21	12 20.00	+ 9 19.6	1.925	2.828	10.8	19.0
5 1	12 14.07	+ 9 15.5	2.008	2.835	13.8	19.2

147350 2003 BD_{78} 3 30.8 24.°19 7.°0/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.76	+ 8 49.8	1.319	2.163	17.6	18.7
3 2	12 58.98	+ 9 54.0	1.263	2.171	13.8	18.5
3 12	12 53.30	+11 0.9	1.229	2.181	9.9	18.3
3 22	12 45.48	+12 0.7	1.217	2.192	7.2	18.2
4 1	12 36.72	+12 43.3	1.229	2.203	7.8	18.2
4 11	12 28.39	+13 1.6	1.265	2.216	10.9	18.4
4 21	12 21.66	+12 53.1	1.324	2.229	14.6	18.7
5 1	12 17.34	+12 18.9	1.402	2.243	18.0	18.9

287558 2003 FN_{10} 3 30.8 265.°17 1.°0/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.50	− 4 20.3	1.962	2.757	14.5	21.2
3 2	12 58.13	− 3 46.6	1.860	2.743	11.4	20.9
3 12	12 52.52	− 2 59.4	1.780	2.728	7.8	20.7
3 22	12 45.13	− 2 2.4	1.726	2.713	3.6	20.4
4 1	12 36.75	− 1 1.1	1.700	2.698	1.4	20.2
4 11	12 28.35	− 0 2.4	1.702	2.683	5.6	20.4
4 21	12 20.89	+ 0 47.4	1.731	2.667	9.8	20.7
5 1	12 15.16	+ 1 23.3	1.784	2.652	13.5	20.9

425886 2011 FV_{35} 3 30.8 238.°85 0.°4/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.75	− 3 52.2	1.993	2.782	14.5	21.5
3 2	13 0.53	− 3 47.1	1.900	2.778	11.5	21.3
3 12	12 54.05	− 3 31.6	1.830	2.775	7.8	21.1
3 22	12 45.82	− 3 8.7	1.785	2.771	3.7	20.8
4 1	12 36.66	− 2 42.2	1.769	2.767	0.8	20.6
4 11	12 27.59	− 2 17.2	1.781	2.763	5.1	20.9
4 21	12 19.54	− 1 58.3	1.820	2.760	9.1	21.1
5 1	12 13.28	− 1 49.1	1.884	2.755	12.7	21.3

339455 2005 EV_{197} 3 30.8 257.°46 0.°8/31.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.30	− 9 27.6	2.208	2.983	13.8	21.4
3 2	12 56.08	− 9 1.5	2.111	2.978	11.0	21.2
3 12	12 50.92	− 8 20.4	2.036	2.973	7.7	21.0
3 22	12 44.29	− 7 26.8	1.986	2.969	3.9	20.7
4 1	12 36.88	− 6 25.0	1.965	2.964	0.8	20.5
4 11	12 29.53	− 5 20.7	1.973	2.959	4.2	20.7
4 21	12 23.04	− 4 20.1	2.008	2.954	8.0	20.9
5 1	12 18.06	− 3 28.5	2.068	2.949	11.4	21.1

501221 2013 UX_7 3 30.8 83.°88 5.°5/ 6.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.01	−23 10.3	2.010	2.722	16.9	20.7
3 2	12 56.96	−23 12.1	1.918	2.728	14.4	20.5
3 12	12 51.67	−22 49.8	1.846	2.733	11.4	20.3
3 22	12 44.68	−22 2.4	1.796	2.739	8.3	20.1
4 1	12 36.83	−20 51.8	1.771	2.744	5.9	20.0
4 11	12 29.12	−19 23.8	1.774	2.750	5.9	20.0
4 21	12 22.47	−17 46.5	1.804	2.756	8.3	20.2
5 1	12 17.62	−16 8.8	1.859	2.761	11.4	20.4

342948 2009 AZ_{37} 3 30.8 96.°34 0.°3/30.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.45	− 5 40.3	2.191	2.978	13.5	22.0
3 2	12 56.89	− 5 13.8	2.105	2.982	10.6	21.8
3 12	12 51.40	− 4 35.4	2.042	2.987	7.2	21.6
3 22	12 44.48	− 3 48.4	2.005	2.991	3.4	21.3
4 1	12 36.86	− 2 57.3	1.997	2.996	0.7	21.1
4 11	12 29.39	− 2 7.7	2.017	3.000	4.5	21.4
4 21	12 22.82	− 1 24.6	2.065	3.004	8.2	21.6
5 1	12 17.79	− 0 52.3	2.137	3.008	11.5	21.8

468114 2013 YK_{54} 3 30.8 217.°85 3.°5/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.67	+ 5 26.8	2.600	3.398	11.3	22.4
3 2	12 59.14	+ 6 17.8	2.503	3.387	8.8	22.2
3 12	12 52.82	+ 7 13.5	2.430	3.376	6.1	22.0
3 22	12 45.15	+ 8 8.9	2.386	3.364	3.9	21.9
4 1	12 36.77	+ 8 58.9	2.372	3.351	4.0	21.9
4 11	12 28.44	+ 9 38.4	2.387	3.338	6.4	22.0
4 21	12 20.85	+10 4.1	2.430	3.323	9.3	22.2
5 1	12 14.64	+10 14.0	2.497	3.309	11.9	22.3

333013 2011 PY_{11} 3 30.8 193.°46 2.°0/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.82	− 0 57.4	2.498	3.294	11.7	21.2
3 2	12 55.38	+ 0 0.3	2.408	3.293	9.1	21.0
3 12	12 50.27	+ 1 7.2	2.342	3.292	6.0	20.8
3 22	12 43.92	+ 2 18.8	2.304	3.290	3.0	20.6
4 1	12 36.94	+ 3 29.5	2.296	3.288	2.5	20.6
4 11	12 30.06	+ 4 33.7	2.317	3.286	5.3	20.7
4 21	12 23.94	+ 5 26.7	2.366	3.283	8.4	20.9
5 1	12 19.13	+ 6 5.2	2.440	3.281	11.3	21.1

522714 2016 LZ_{60} 3 30.8 323.°98 2.°7/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.01	−15 26.0	1.748	2.518	17.0	20.8
3 2	12 54.92	−14 58.3	1.650	2.509	14.0	20.6
3 12	12 50.49	−14 6.3	1.573	2.501	10.3	20.3
3 22	12 44.20	−12 51.3	1.519	2.493	6.1	20.1
4 1	12 36.90	−11 18.0	1.491	2.486	2.8	19.8
4 11	12 29.66	− 9 34.8	1.490	2.479	4.9	20.0
4 21	12 23.47	− 7 51.6	1.516	2.472	9.2	20.2
5 1	12 19.17	− 6 17.9	1.566	2.466	13.2	20.4

146113 2000 QQ_{179} 3 30.8 184.°20 0.°9/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.18	− 3 8.6	2.864	3.645	10.8	20.8
3 2	12 56.20	− 2 39.1	2.770	3.645	8.4	20.6
3 12	12 50.70	− 2 1.7	2.700	3.644	5.6	20.4
3 22	12 44.10	− 1 19.1	2.658	3.644	2.6	20.2
4 1	12 36.93	− 0 35.1	2.645	3.643	1.1	20.1
4 11	12 29.85	+ 0 6.2	2.663	3.641	4.0	20.3
4 21	12 23.44	+ 0 41.2	2.710	3.639	7.0	20.5
5 1	12 18.21	+ 1 7.1	2.783	3.637	9.6	20.7

499157 2009 SC_{36} 3 30.8 247.°19 1.°3/ 1.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.28	−10 20.8	2.042	2.812	14.9	22.5
3 2	12 58.71	−10 3.9	1.936	2.799	12.0	22.3
3 12	12 52.90	− 9 30.5	1.851	2.786	8.5	22.0
3 22	12 45.33	− 8 42.4	1.791	2.772	4.6	21.8
4 1	12 36.75	− 7 43.4	1.760	2.758	1.3	21.5
4 11	12 28.14	− 6 39.5	1.756	2.743	4.6	21.7
4 21	12 20.45	− 5 37.6	1.781	2.728	8.7	21.9
5 1	12 14.46	− 4 43.9	1.830	2.713	12.5	22.1

236687 2006 SK_{42} 3 30.8 144.°09 3.°7/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.93	+ 5 50.6	2.643	3.450	10.8	20.6
3 2	12 55.32	+ 6 59.8	2.566	3.457	8.4	20.4
3 12	12 50.14	+ 8 13.2	2.516	3.463	5.8	20.3
3 22	12 43.83	+ 9 25.3	2.493	3.469	3.9	20.1
4 1	12 36.98	+10 30.5	2.500	3.474	4.3	20.2
4 11	12 30.27	+11 24.0	2.536	3.480	6.5	20.3
4 21	12 24.32	+12 2.3	2.599	3.485	9.0	20.5
5 1	12 19.62	+12 23.9	2.685	3.490	11.4	20.7

430079 2013 SG_{50} 3 30.8 179.°71 7.°3/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 11.32	+19 3.8	2.343	3.136	12.5	21.0
3 2	13 5.16	+19 47.2	2.270	3.137	10.3	20.8
3 12	12 56.87	+20 24.5	2.222	3.138	8.4	20.7
3 22	12 47.06	+20 49.1	2.200	3.138	7.3	20.6
4 1	12 36.56	+20 55.5	2.206	3.138	7.9	20.7
4 11	12 26.34	+20 40.6	2.240	3.137	9.7	20.8
4 21	12 17.26	+20 4.1	2.300	3.136	11.9	20.9
5 1	12 9.98	+19 8.1	2.382	3.135	14.1	21.1

270522 2002 GY_{47} 3 30.8 174.°07 0.°2/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.94	− 5 54.5	2.029	2.812	14.5	20.5
3 2	12 59.83	− 5 48.3	1.939	2.812	11.5	20.3
3 12	12 53.54	− 5 30.4	1.871	2.813	7.9	20.1
3 22	12 45.58	− 5 3.2	1.829	2.813	3.8	19.8
4 1	12 36.75	− 4 30.5	1.814	2.814	0.5	19.5
4 11	12 28.03	− 3 57.6	1.829	2.814	4.7	19.9
4 21	12 20.33	− 3 29.3	1.871	2.814	8.7	20.1
5 1	12 14.37	− 3 9.8	1.938	2.814	12.2	20.3

500875 2013 JZ_{62} 3 30.8 341.°59 1.°6/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.17	− 3 45.9	1.209	2.044	19.4	21.1
3 2	12 56.76	− 3 16.8	1.129	2.034	15.3	20.8
3 12	12 52.25	− 2 29.0	1.068	2.025	10.4	20.5
3 22	12 45.22	− 1 27.8	1.028	2.017	4.9	20.2
4 1	12 36.78	− 0 21.7	1.013	2.011	2.2	20.0
4 11	12 28.44	+ 0 38.4	1.021	2.005	7.6	20.3
4 21	12 21.59	+ 1 23.3	1.051	2.000	13.1	20.6
5 1	12 17.32	+ 1 46.8	1.102	1.996	18.0	20.8

294716 2008 BU_{27} 3 30.8 203.°24 5.°1/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.87	−22 27.0	2.632	3.323	13.7	21.0
3 2	12 57.92	−22 54.0	2.527	3.321	11.8	20.8
3 12	12 52.11	−23 4.2	2.443	3.319	9.5	20.7
3 22	12 44.87	−22 56.5	2.383	3.316	7.1	20.5
4 1	12 36.84	−22 31.1	2.349	3.314	5.4	20.4
4 11	12 28.83	−21 50.8	2.344	3.311	5.4	20.4
4 21	12 21.58	−21 0.2	2.366	3.308	7.2	20.5
5 1	12 15.75	−20 4.7	2.415	3.305	9.6	20.6

497378 2005 UG_{423} 3 30.8 199.°88 0.°6/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.59	− 8 36.7	2.365	3.129	13.2	23.8
3 2	12 59.28	− 8 16.9	2.264	3.125	10.6	23.6
3 12	12 53.04	− 7 43.9	2.185	3.121	7.3	23.4
3 22	12 45.31	− 7 0.0	2.134	3.116	3.7	23.2
4 1	12 36.79	− 6 8.8	2.111	3.110	0.7	22.9
4 11	12 28.32	− 5 15.6	2.119	3.104	4.1	23.2
4 21	12 20.69	− 4 25.4	2.155	3.097	7.8	23.4
5 1	12 14.56	− 3 43.2	2.217	3.089	11.1	23.6

373404 1995 VO_{15} 3 30.8 121.°29 2.°6/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.65	−15 14.4	2.202	2.947	14.7	21.4
3 2	12 57.85	−14 59.9	2.115	2.958	12.0	21.2
3 12	12 52.07	−14 27.5	2.050	2.969	8.8	21.0
3 22	12 44.82	−13 38.4	2.010	2.980	5.4	20.8
4 1	12 36.87	−12 36.2	1.997	2.990	2.7	20.7
4 11	12 29.08	−11 26.5	2.014	3.000	4.2	20.8
4 21	12 22.26	−10 15.8	2.059	3.009	7.5	21.0
5 1	12 17.04	− 9 10.3	2.129	3.019	10.7	21.2

315468 2007 XZ_{56} 3 30.8 110.°21 1.°2/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.40	− 9 53.8	1.772	2.547	16.6	22.0
3 2	13 1.17	− 9 37.2	1.696	2.563	13.2	21.8
3 12	12 54.49	− 9 3.2	1.642	2.578	9.2	21.5
3 22	12 46.03	− 8 14.6	1.612	2.593	4.8	21.3
4 1	12 36.71	− 7 16.4	1.609	2.608	1.2	21.1
4 11	12 27.68	− 6 15.7	1.635	2.622	4.9	21.4
4 21	12 19.91	− 5 19.4	1.688	2.635	9.1	21.7
5 1	12 14.17	− 4 33.4	1.765	2.649	12.9	21.9

87530 2000 QG_{200} 3 30.8 171.°59 2.°0/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.60	− 1 10.1	2.155	2.951	13.4	20.3
3 2	12 58.60	− 0 26.3	2.069	2.953	10.4	20.1
3 12	12 52.59	+ 0 27.3	2.007	2.956	6.9	19.9
3 22	12 45.08	+ 1 26.1	1.971	2.957	3.4	19.7
4 1	12 36.83	+ 2 24.3	1.964	2.958	2.4	19.6
4 11	12 28.72	+ 3 15.9	1.987	2.959	5.7	19.8
4 21	12 21.56	+ 3 56.0	2.036	2.960	9.2	20.0
5 1	12 16.01	+ 4 21.4	2.110	2.960	12.4	20.2

49379 1998 XF_3 3 30.8 108.°54 4.°5/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.97	−17 10.8	1.921	2.656	16.8	19.0
3 2	13 2.38	−17 39.8	1.839	2.670	14.0	18.9
3 12	12 55.35	−17 49.9	1.777	2.684	10.7	18.7
3 22	12 46.46	−17 40.3	1.739	2.697	7.2	18.5
4 1	12 36.65	−17 12.4	1.727	2.710	4.7	18.4
4 11	12 27.03	−16 30.8	1.743	2.723	5.5	18.4
4 21	12 18.61	−15 41.8	1.786	2.736	8.6	18.6
5 1	12 12.19	−14 52.5	1.855	2.748	11.9	18.9

495940 2006 QH_{186} 3 30.8 232.°75 1.°7/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.24	− 2 23.8	2.056	2.848	14.0	22.9
3 2	13 0.17	− 1 42.8	1.953	2.835	11.0	22.7
3 12	12 53.86	− 0 49.9	1.874	2.821	7.4	22.5
3 22	12 45.79	+ 0 10.8	1.820	2.807	3.6	22.2
4 1	12 36.73	+ 1 13.5	1.796	2.792	2.1	22.0
4 11	12 27.66	+ 2 11.2	1.800	2.776	5.9	22.3
4 21	12 19.51	+ 2 58.2	1.832	2.759	9.9	22.5
5 1	12 13.09	+ 3 30.1	1.888	2.742	13.5	22.7

468953 2015 AM_{28} 3 30.8 123.°12 3.°2/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.02	−15 3.2	2.021	2.768	15.7	22.3
3 2	12 59.95	−15 11.5	1.934	2.777	12.9	22.1
3 12	12 53.63	−15 1.9	1.868	2.786	9.6	21.9
3 22	12 45.63	−14 35.0	1.826	2.794	6.0	21.7
4 1	12 36.76	−13 53.1	1.811	2.802	3.4	21.6
4 11	12 28.05	−13 1.5	1.825	2.810	4.7	21.7
4 21	12 20.41	−12 6.5	1.866	2.817	8.1	21.9
5 1	12 14.57	−11 14.5	1.932	2.824	11.5	22.1

471363 2011 SQ_{38} 3 30.8 191.°68 1.°9/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.92	−11 40.2	2.632	3.380	12.4	21.7
3 2	12 57.79	−11 45.4	2.531	3.379	10.1	21.5
3 12	12 51.92	−11 38.5	2.454	3.378	7.3	21.3
3 22	12 44.75	−11 20.4	2.403	3.377	4.2	21.1
4 1	12 36.88	−10 53.3	2.381	3.376	1.9	21.0
4 11	12 29.07	−10 20.8	2.388	3.374	3.7	21.1
4 21	12 22.00	− 9 46.9	2.425	3.372	6.7	21.3
5 1	12 16.27	− 9 15.9	2.487	3.370	9.6	21.4

382343 2013 TT_{53} 3 30.8 178.°69 1.°7/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.32	− 9 58.9	1.952	2.724	15.4	21.2
3 2	12 59.51	−10 2.7	1.860	2.724	12.4	21.0
3 12	12 53.41	− 9 51.7	1.790	2.724	8.8	20.7
3 22	12 45.56	− 9 27.3	1.745	2.724	4.8	20.5
4 1	12 36.78	− 8 52.6	1.727	2.724	1.7	20.3
4 11	12 28.10	− 8 12.9	1.737	2.724	4.6	20.5
4 21	12 20.45	− 7 33.9	1.775	2.724	8.6	20.7
5 1	12 14.61	− 7 1.0	1.837	2.724	12.2	20.9

226800 2004 RM_{202} 3 30.8 173.°54 1.°1/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.98	−10 34.6	2.093	2.863	14.6	20.7
3 2	12 57.49	−10 8.2	2.000	2.864	11.7	20.5
3 12	12 51.93	− 9 25.4	1.930	2.865	8.2	20.3
3 22	12 44.81	− 8 28.5	1.885	2.866	4.3	20.0
4 1	12 36.89	− 7 22.1	1.868	2.866	1.1	19.8
4 11	12 29.09	− 6 12.5	1.880	2.867	4.3	20.0
4 21	12 22.23	− 5 6.3	1.920	2.867	8.2	20.3
5 1	12 17.01	− 4 9.5	1.985	2.867	11.7	20.5

470021 2006 RL_{63} 3 30.8 123.°06 2.°5/27.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.49	+ 2 17.9	2.984	3.778	10.1	22.1
3 2	12 55.49	+ 3 20.4	2.912	3.796	7.7	22.0
3 12	12 50.13	+ 4 28.0	2.866	3.814	5.2	21.8
3 22	12 43.80	+ 5 36.4	2.849	3.831	2.9	21.7
4 1	12 37.05	+ 6 40.8	2.863	3.848	2.9	21.7
4 11	12 30.47	+ 7 37.0	2.907	3.864	5.1	21.9
4 21	12 24.58	+ 8 21.6	2.979	3.879	7.5	22.1
5 1	12 19.81	+ 8 52.8	3.076	3.894	9.7	22.2

402921 2007 TD_{143} 3 30.8 106.°85 3.°7/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.77	+ 2 36.0	1.797	2.604	15.2	21.2
3 2	13 2.01	+ 3 35.2	1.736	2.626	11.7	21.0
3 12	12 54.92	+ 4 41.8	1.697	2.647	7.9	20.8
3 22	12 46.18	+ 5 49.2	1.685	2.668	4.4	20.7
4 1	12 36.74	+ 6 49.5	1.701	2.688	4.2	20.7
4 11	12 27.70	+ 7 36.2	1.745	2.707	7.4	20.9
4 21	12 19.96	+ 8 5.1	1.815	2.726	11.0	21.2
5 1	12 14.22	+ 8 14.7	1.908	2.744	14.1	21.4

433530 2013 WG_{83} 3 30.8 174.°86 2.°0/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.96	−13 42.8	2.435	3.181	13.4	22.2
3 2	12 57.18	−13 21.4	2.337	3.183	10.9	22.0
3 12	12 51.57	−12 44.1	2.262	3.185	7.9	21.8
3 22	12 44.61	−11 52.2	2.213	3.186	4.6	21.6
4 1	12 36.95	−10 49.3	2.192	3.187	2.0	21.5
4 11	12 29.37	− 9 40.4	2.201	3.188	3.8	21.6
4 21	12 22.63	− 8 31.6	2.239	3.187	7.1	21.8
5 1	12 17.31	− 7 28.3	2.303	3.187	10.2	22.0

139901 2001 RE_{99} 3 30.8 234.°23 0.°7/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.09	− 4 33.9	2.394	3.179	12.5	20.6
3 2	12 56.53	− 4 1.2	2.295	3.173	9.8	20.4
3 12	12 51.17	− 3 17.5	2.220	3.166	6.6	20.1
3 22	12 44.43	− 2 26.1	2.172	3.159	3.1	19.9
4 1	12 36.97	− 1 31.4	2.153	3.151	1.0	19.7
4 11	12 29.57	− 0 38.9	2.163	3.144	4.6	20.0
4 21	12 22.94	+ 0 6.6	2.202	3.136	8.1	20.2
5 1	12 17.72	+ 0 41.2	2.265	3.128	11.2	20.3

494928 2008 YH_{85} 3 30.8 108.°34 3.°3/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.73	−14 51.4	1.599	2.362	18.6	21.9
3 2	13 1.82	−14 52.0	1.522	2.376	15.2	21.7
3 12	12 55.17	−14 30.2	1.465	2.389	11.2	21.5
3 22	12 46.45	−13 46.8	1.430	2.402	6.8	21.3
4 1	12 36.71	−12 45.7	1.422	2.415	3.4	21.1
4 11	12 27.24	−11 34.5	1.440	2.427	5.4	21.3
4 21	12 19.19	−10 22.0	1.485	2.439	9.5	21.5
5 1	12 13.41	− 9 16.7	1.554	2.450	13.5	21.8

44970 1999 VJ_{98} 3 30.8 283.°77 1.°7/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.38	− 2 28.4	1.598	2.408	16.6	20.0
3 2	13 0.17	− 2 2.6	1.503	2.395	13.1	19.7
3 12	12 54.25	− 1 23.4	1.430	2.381	8.9	19.5
3 22	12 46.12	− 0 35.1	1.380	2.368	4.2	19.2
4 1	12 36.74	+ 0 15.9	1.357	2.355	2.1	19.0
4 11	12 27.35	+ 1 1.8	1.361	2.341	6.7	19.2
4 21	12 19.14	+ 1 35.7	1.390	2.328	11.5	19.5
5 1	12 13.09	+ 1 53.0	1.441	2.315	15.8	19.7

351543 2005 TP_{10} 3 30.8 192.°89 3.°1/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 8.20	−13 14.3	1.728	2.487	17.6	21.0
3 2	13 3.78	−13 28.2	1.634	2.486	14.4	20.8
3 12	12 56.60	−13 23.5	1.559	2.484	10.6	20.5
3 22	12 47.22	−13 0.2	1.509	2.481	6.4	20.3
4 1	12 36.60	−12 20.5	1.485	2.478	3.2	20.0
4 11	12 26.02	−11 30.2	1.489	2.474	5.4	20.2
4 21	12 16.67	−10 36.5	1.519	2.470	9.6	20.4
5 1	12 9.54	− 9 47.3	1.574	2.465	13.7	20.6

251018 Liubirena 3 30.8 161.°12 0.°7/31.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.96	− 8 53.6	2.148	2.914	14.3	21.7
3 2	13 0.48	− 8 31.7	2.058	2.921	11.4	21.5
3 12	12 53.90	− 7 55.5	1.992	2.928	7.9	21.3
3 22	12 45.75	− 7 7.4	1.951	2.933	4.0	21.1
4 1	12 36.82	− 6 11.7	1.939	2.938	0.7	20.8
4 11	12 28.03	− 5 14.2	1.957	2.942	4.4	21.1
4 21	12 20.23	− 4 20.8	2.003	2.945	8.2	21.3
5 1	12 14.13	− 3 36.5	2.074	2.948	11.6	21.5

500104 2012 BW_{82} 3 30.8 319.°39 3.°9/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.02	+ 0 45.6	1.368	2.204	17.5	21.0
3 2	12 57.17	+ 1 38.9	1.280	2.186	13.8	20.7
3 12	12 52.43	+ 2 46.8	1.212	2.170	9.4	20.4
3 22	12 45.33	+ 4 2.2	1.167	2.153	5.0	20.1
4 1	12 36.86	+ 5 15.3	1.146	2.138	4.6	20.0
4 11	12 28.38	+ 6 15.4	1.151	2.123	8.9	20.2
4 21	12 21.20	+ 6 54.4	1.178	2.109	13.8	20.5
5 1	12 16.37	+ 7 8.0	1.225	2.095	18.2	20.7

306922 2001 UL_{29} 3 30.8 234.°69 5.°4/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.77	+ 9 41.7	2.106	2.913	13.2	21.1
3 2	13 2.05	+10 31.4	2.015	2.901	10.5	20.9
3 12	12 55.07	+11 23.1	1.947	2.889	7.6	20.7
3 22	12 46.37	+12 10.5	1.906	2.876	5.6	20.5
4 1	12 36.74	+12 46.9	1.894	2.863	6.0	20.5
4 11	12 27.18	+13 6.6	1.909	2.849	8.5	20.7
4 21	12 18.63	+13 6.9	1.950	2.835	11.6	20.8
5 1	12 11.84	+12 47.1	2.014	2.820	14.6	21.0

460274 2014 QW_{325} 3 30.8 184.°02 1.°8/29.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.98	− 2 39.7	1.937	2.733	14.7	22.0
3 2	12 59.97	− 1 49.6	1.850	2.734	11.4	21.8
3 12	12 53.70	− 0 46.8	1.785	2.734	7.7	21.6
3 22	12 45.71	+ 0 23.8	1.746	2.733	3.6	21.3
4 1	12 36.84	+ 1 35.4	1.736	2.732	2.3	21.2
4 11	12 28.09	+ 2 40.5	1.755	2.730	6.1	21.5
4 21	12 20.41	+ 3 33.1	1.801	2.728	10.0	21.7
5 1	12 14.54	+ 4 8.9	1.870	2.725	13.6	21.9

227159 2005 QZ_{11} 3 30.8 205.°34 2.°6/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.33	−13 28.8	1.980	2.737	15.7	20.8
3 2	12 59.57	−13 28.3	1.883	2.735	12.8	20.6
3 12	12 53.51	−13 10.0	1.807	2.732	9.4	20.4
3 22	12 45.66	−12 34.8	1.756	2.729	5.6	20.2
4 1	12 36.84	−11 45.5	1.731	2.725	2.7	20.0
4 11	12 28.07	−10 47.6	1.735	2.721	4.7	20.1
4 21	12 20.31	− 9 47.9	1.766	2.717	8.5	20.3
5 1	12 14.37	− 8 53.2	1.822	2.713	12.2	20.5

4687 Brunsandrej 3 30.8 91.°15 1.°7/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.82	−11 59.2	2.386	3.142	13.4	17.9
3 2	12 57.01	−11 47.8	2.304	3.156	10.7	17.7
3 12	12 51.41	−11 22.1	2.243	3.171	7.7	17.5
3 22	12 44.52	−10 43.9	2.209	3.185	4.3	17.3
4 1	12 37.01	− 9 56.6	2.203	3.199	1.7	17.2
4 11	12 29.67	− 9 4.9	2.226	3.213	3.8	17.3
4 21	12 23.21	− 8 13.9	2.278	3.226	7.0	17.5
5 1	12 18.20	− 7 28.5	2.355	3.240	10.0	17.8

284361 2006 SP_{126} 3 30.8 140.°65 2.°8/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.88	+ 2 23.7	2.710	3.510	10.8	21.3
3 2	12 55.25	+ 3 29.1	2.631	3.519	8.3	21.1
3 12	12 50.10	+ 4 40.6	2.578	3.527	5.6	20.9
3 22	12 43.86	+ 5 53.3	2.553	3.535	3.2	20.8
4 1	12 37.10	+ 7 2.1	2.557	3.542	3.3	20.8
4 11	12 30.48	+ 8 1.7	2.592	3.549	5.6	21.0
4 21	12 24.58	+ 8 48.5	2.654	3.556	8.3	21.2
5 1	12 19.91	+ 9 20.2	2.741	3.562	10.7	21.3

57170 2001 QB_{20} 3 30.8 126.°48 0.°7/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.37	− 4 39.9	2.013	2.799	14.5	20.0
3 2	13 0.08	− 4 11.6	1.934	2.811	11.3	19.8
3 12	12 53.64	− 3 31.2	1.877	2.822	7.6	19.6
3 22	12 45.63	− 2 42.7	1.847	2.833	3.6	19.3
4 1	12 36.87	− 1 51.1	1.845	2.843	1.0	19.2
4 11	12 28.32	− 1 2.5	1.872	2.853	5.0	19.5
4 21	12 20.86	− 0 22.2	1.926	2.863	8.9	19.7
5 1	12 15.15	+ 0 5.9	2.005	2.872	12.3	19.9

348570 2005 WS 3 30.8 212.°24 3.°4/ 4.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.27	−17 44.3	2.697	3.418	12.8	21.1
3 2	12 56.56	−17 50.3	2.592	3.414	10.7	20.9
3 12	12 51.15	−17 41.0	2.508	3.410	8.2	20.7
3 22	12 44.43	−17 16.7	2.450	3.407	5.5	20.6
4 1	12 37.02	−16 38.8	2.419	3.403	3.6	20.4
4 11	12 29.64	−15 50.9	2.418	3.398	4.1	20.4
4 21	12 22.97	−14 57.6	2.445	3.394	6.6	20.6
5 1	12 17.61	−14 4.0	2.499	3.389	9.3	20.8

375837 2009 UR_{123} 3 30.8 185.°83 0.°9/31.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.10	−11 28.0	2.363	3.121	13.4	21.5
3 2	12 57.34	−10 42.4	2.264	3.121	10.7	21.3
3 12	12 51.73	− 9 40.0	2.188	3.121	7.5	21.1
3 22	12 44.72	− 8 23.6	2.139	3.120	3.9	20.9
4 1	12 36.99	− 6 57.9	2.119	3.118	0.9	20.6
4 11	12 29.35	− 5 29.4	2.130	3.116	4.0	20.9
4 21	12 22.56	− 4 5.0	2.169	3.113	7.6	21.1
5 1	12 17.23	− 2 50.4	2.235	3.109	10.9	21.3

274073 2007 XH_{32} 3 30.8 78.°22 1.°1/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.88	− 7 50.3	1.609	2.398	17.4	20.3
3 2	13 1.92	− 7 55.1	1.530	2.405	13.9	20.1
3 12	12 55.26	− 7 44.6	1.471	2.412	9.7	19.9
3 22	12 46.53	− 7 20.7	1.436	2.419	5.0	19.6
4 1	12 36.75	− 6 47.5	1.427	2.426	1.1	19.4
4 11	12 27.18	− 6 11.4	1.446	2.433	5.3	19.7
4 21	12 18.95	− 5 38.7	1.490	2.440	9.9	19.9
5 1	12 12.94	− 5 15.0	1.558	2.447	14.0	20.2

356282 2010 CB_{170} 3 30.8 296.°55 1.°6/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.98	− 4 59.3	1.324	2.146	18.7	21.2
3 2	12 58.18	− 4 15.0	1.227	2.125	14.9	20.9
3 12	12 53.32	− 3 8.7	1.149	2.104	10.2	20.6
3 22	12 45.87	− 1 45.1	1.094	2.083	4.8	20.2
4 1	12 36.82	− 0 12.9	1.064	2.062	2.2	20.0
4 11	12 27.63	+ 1 15.9	1.059	2.041	7.7	20.2
4 21	12 19.72	+ 2 30.0	1.077	2.021	13.4	20.5
5 1	12 14.30	+ 3 20.9	1.115	2.000	18.5	20.7

33992 2000 OQ 3 30.8 208.°95 4.°8/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.23	−19 49.6	2.339	3.047	14.8	19.6
3 2	13 0.83	−20 15.2	2.231	3.042	12.6	19.4
3 12	12 54.28	−20 23.4	2.144	3.036	9.9	19.2
3 22	12 46.04	−20 13.0	2.082	3.029	7.1	19.0
4 1	12 36.82	−19 44.5	2.047	3.022	5.0	18.9
4 11	12 27.58	−19 1.0	2.040	3.014	5.4	18.9
4 21	12 19.20	−18 7.9	2.061	3.006	7.9	19.0
5 1	12 12.46	−17 11.5	2.108	2.997	10.8	19.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
140627	2001 UR_{13}		3 30.8	181.°58	0.°4/30.3	18
	h m	° ′			°	m
2 21	12 59.54	− 5 23.0	2.918	3.692	10.8	20.7
3 2	12 55.71	− 4 47.6	2.822	3.692	8.4	20.6
3 12	12 50.41	− 4 2.7	2.750	3.693	5.7	20.4
3 22	12 44.03	− 3 11.1	2.707	3.692	2.7	20.2
4 1	12 37.10	− 2 16.6	2.693	3.692	0.7	20.0
4 11	12 30.25	− 1 23.5	2.710	3.691	3.7	20.3
4 21	12 24.06	− 0 35.8	2.756	3.689	6.7	20.4
5 1	12 19.01	+ 0 3.0	2.829	3.687	9.4	20.6
499948	2011 HR_{93}		3 30.8	240.°56	3.°0/27.7	17
2 21	13 1.92	+ 2 22.9	2.134	2.940	13.1	21.8
3 2	12 58.17	+ 3 6.1	2.044	2.934	10.2	21.5
3 12	12 52.39	+ 3 56.6	1.979	2.929	6.9	21.3
3 22	12 45.08	+ 4 49.3	1.939	2.923	3.8	21.1
4 1	12 36.96	+ 5 38.3	1.929	2.917	3.5	21.1
4 11	12 28.94	+ 6 17.8	1.946	2.911	6.5	21.3
4 21	12 21.84	+ 6 43.7	1.990	2.905	9.9	21.5
5 1	12 16.34	+ 6 53.3	2.058	2.899	13.0	21.6
341251	2007 RR_{208}		3 30.8	232.°80	1.°3/29.5	17
2 21	13 1.29	− 2 31.5	2.164	2.959	13.3	21.1
3 2	12 57.64	− 2 2.3	2.074	2.957	10.4	20.9
3 12	12 52.01	− 1 23.1	2.007	2.955	7.0	20.7
3 22	12 44.88	− 0 37.7	1.966	2.953	3.3	20.4
4 1	12 36.99	+ 0 9.1	1.954	2.951	1.6	20.3
4 11	12 29.20	+ 0 51.6	1.970	2.949	5.2	20.6
4 21	12 22.31	+ 1 25.3	2.014	2.946	8.8	20.8
5 1	12 16.98	+ 1 46.5	2.082	2.944	12.1	21.0
171877	2001 QR_{228}		3 30.8	188.°06	3.°7/ 4.4	18
2 21	13 1.35	−18 41.1	2.664	3.377	13.1	20.7
3 2	12 57.43	−18 48.2	2.560	3.377	11.0	20.6
3 12	12 51.75	−18 39.5	2.478	3.376	8.4	20.4
3 22	12 44.74	−18 14.8	2.421	3.375	5.8	20.2
4 1	12 37.01	−17 35.7	2.392	3.373	3.9	20.1
4 11	12 29.33	−16 45.7	2.392	3.371	4.3	20.1
4 21	12 22.40	−15 49.6	2.421	3.369	6.7	20.3
5 1	12 16.82	−14 52.8	2.476	3.366	9.4	20.4
369889	2012 RT_{31}		3 30.8	165.°38	0.°4/30.4	17
2 21	13 4.10	− 3 50.7	2.210	2.994	13.5	20.8
3 2	12 59.78	− 3 43.6	2.120	2.995	10.6	20.6
3 12	12 53.43	− 3 27.1	2.052	2.996	7.2	20.4
3 22	12 45.56	− 3 3.9	2.012	2.997	3.4	20.1
4 1	12 36.91	− 2 37.7	2.000	2.998	0.8	19.9
4 11	12 28.38	− 2 13.0	2.017	2.999	4.6	20.2
4 21	12 20.78	− 1 53.9	2.062	3.000	8.3	20.4
5 1	12 14.78	− 1 43.7	2.132	3.000	11.6	20.6
10714	1983 QG		3 30.9	184.°73	5.°3/23.9	18
2 21	13 4.89	+12 59.8	2.761	3.560	10.7	19.2
3 2	12 59.93	+14 4.2	2.682	3.561	8.5	19.1
3 12	12 53.29	+15 8.1	2.629	3.560	6.5	18.9
3 22	12 45.41	+16 5.8	2.604	3.559	5.3	18.9
4 1	12 36.94	+16 52.0	2.608	3.557	5.9	18.9
4 11	12 28.60	+17 22.5	2.641	3.554	7.7	19.0
4 21	12 21.06	+17 35.2	2.701	3.550	9.9	19.2
5 1	12 14.87	+17 29.9	2.783	3.546	12.0	19.3
136703	1995 SJ_{88}		3 30.9	290.°49	0.°7/31.7	17
2 21	12 58.79	− 9 7.7	2.253	3.029	13.5	21.4
3 2	12 55.71	− 8 44.5	2.152	3.020	10.8	21.1
3 12	12 50.73	− 8 7.1	2.074	3.012	7.5	20.9
3 22	12 44.30	− 7 17.6	2.021	3.003	3.9	20.7
4 1	12 37.08	− 6 20.1	1.996	2.995	0.7	20.4
4 11	12 29.89	− 5 20.1	2.000	2.987	4.2	20.7
4 21	12 23.52	− 4 23.4	2.032	2.978	7.9	20.9
5 1	12 18.61	− 3 35.3	2.089	2.970	11.3	21.1
134728	2000 AN_{77}		3 30.9	145.°05	0.°5/31.4	18
2 21	13 4.71	− 8 58.4	2.168	2.935	14.2	21.0
3 2	13 0.22	− 8 26.3	2.084	2.947	11.3	20.8
3 12	12 53.69	− 7 39.4	2.022	2.959	7.8	20.6
3 22	12 45.66	− 6 40.8	1.987	2.970	3.9	20.4
4 1	12 36.92	− 5 35.2	1.981	2.980	0.6	20.2
4 11	12 28.36	− 4 28.8	2.004	2.989	4.3	20.5
4 21	12 20.82	− 3 27.7	2.057	2.998	8.1	20.7
5 1	12 14.94	− 2 37.0	2.134	3.006	11.5	20.9
318540	2005 GO_2		3 30.9	16.°78	2.°8/29.0	18
2 21	13 2.34	+ 0 1.2	1.207	2.044	19.3	20.1
3 2	12 59.86	+ 0 22.2	1.142	2.048	15.1	19.9
3 12	12 54.21	+ 0 55.3	1.096	2.053	10.2	19.6
3 22	12 46.14	+ 1 34.2	1.072	2.060	5.0	19.3
4 1	12 36.87	+ 2 10.7	1.072	2.067	3.3	19.3
4 11	12 27.94	+ 2 36.5	1.096	2.076	8.0	19.5
4 21	12 20.69	+ 2 45.8	1.143	2.085	13.0	19.8
5 1	12 16.06	+ 2 35.9	1.210	2.095	17.4	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
462681	2009 UX_{86}		3 30.9	318.°06	4.°7/27.7	17
	h m	° ′			°	m
2 21	13 6.91	+ 6 35.8	1.572	2.393	16.3	20.8
3 2	13 3.00	+ 6 52.9	1.482	2.378	12.9	20.5
3 12	12 56.20	+ 7 13.4	1.414	2.364	9.1	20.2
3 22	12 47.11	+ 7 30.9	1.369	2.351	5.5	20.0
4 1	12 36.73	+ 7 38.7	1.351	2.337	5.2	19.9
4 11	12 26.40	+ 7 31.1	1.359	2.325	8.7	20.1
4 21	12 17.37	+ 7 5.0	1.392	2.312	12.9	20.3
5 1	12 10.65	+ 6 20.0	1.446	2.301	16.8	20.5
16255	Hampton		3 30.9	161.°08	0.°4/31.3	18
2 21	13 1.22	− 7 44.4	2.512	3.282	12.4	19.6
3 2	12 57.28	− 7 23.0	2.420	3.286	9.8	19.4
3 12	12 51.61	− 6 49.9	2.351	3.289	6.8	19.2
3 22	12 44.66	− 6 7.7	2.309	3.293	3.4	19.0
4 1	12 37.07	− 5 20.0	2.297	3.296	0.5	18.8
4 11	12 29.58	− 4 31.4	2.313	3.298	3.9	19.1
4 21	12 22.88	− 3 46.7	2.359	3.301	7.2	19.3
5 1	12 17.55	− 3 9.8	2.430	3.303	10.2	19.5
388399	2006 VP_{47}		3 30.9	76.°13	3.°3/27.5	17
2 21	13 3.17	+ 5 12.3	2.337	3.141	12.2	21.3
3 2	12 58.84	+ 5 40.2	2.260	3.148	9.5	21.1
3 12	12 52.66	+ 6 11.4	2.206	3.154	6.5	20.9
3 22	12 45.14	+ 6 41.5	2.180	3.161	3.8	20.7
4 1	12 37.01	+ 7 5.8	2.183	3.168	3.7	20.7
4 11	12 29.06	+ 7 20.1	2.214	3.175	6.2	20.9
4 21	12 22.03	+ 7 22.0	2.272	3.181	9.1	21.1
5 1	12 16.50	+ 7 10.4	2.355	3.188	11.9	21.3
278505	2008 AS_{132}		3 30.9	184.°80	0.°1/30.9	16
2 21	13 5.06	− 7 8.2	2.105	2.879	14.3	22.1
3 2	13 0.68	− 6 44.2	2.011	2.880	11.4	21.9
3 12	12 54.14	− 6 6.5	1.940	2.880	7.8	21.7
3 22	12 45.95	− 5 18.0	1.895	2.879	3.8	21.4
4 1	12 36.90	− 4 23.2	1.878	2.877	0.5	21.2
4 11	12 27.95	− 3 28.1	1.891	2.875	4.7	21.5
4 21	12 19.97	− 2 38.5	1.932	2.872	8.6	21.7
5 1	12 13.71	− 1 59.3	1.998	2.868	12.2	21.9
233371	2006 DM_{169}		3 30.9	241.°61	3.°2/27.0	17
2 21	12 59.97	+ 1 38.0	2.204	3.011	12.7	20.7
3 2	12 56.64	+ 2 46.1	2.110	3.001	9.9	20.4
3 12	12 51.37	+ 4 3.7	2.040	2.991	6.7	20.2
3 22	12 44.62	+ 5 25.1	1.998	2.981	3.8	20.0
4 1	12 37.08	+ 6 43.4	1.984	2.970	3.8	20.0
4 11	12 29.58	+ 7 51.6	1.999	2.960	6.7	20.2
4 21	12 22.93	+ 8 44.4	2.041	2.948	10.1	20.3
5 1	12 17.79	+ 9 18.6	2.106	2.937	13.1	20.5
329310	2000 SF_{68}		3 30.9	218.°70	2.°2/28.7	18 R
2 21	13 6.61	+ 1 25.3	2.293	3.083	12.8	20.8
3 2	13 1.73	+ 1 46.5	2.194	3.075	10.0	20.6
3 12	12 54.78	+ 2 14.0	2.120	3.066	6.8	20.4
3 22	12 46.25	+ 2 44.0	2.073	3.057	3.5	20.1
4 1	12 36.87	+ 3 12.1	2.055	3.048	2.6	20.1
4 11	12 27.54	+ 3 33.4	2.067	3.038	5.7	20.2
4 21	12 19.09	+ 3 44.5	2.106	3.027	9.2	20.4
5 1	12 12.25	+ 3 43.1	2.171	3.016	12.3	20.6
504828	2010 LL_{62}		3 30.9	162.°33	3.°1/26.0	18
2 21	12 58.23	+ 2 8.0	2.732	3.533	10.7	21.6
3 2	12 54.80	+ 3 41.2	2.648	3.537	8.2	21.4
3 12	12 49.85	+ 5 22.0	2.591	3.540	5.6	21.3
3 22	12 43.79	+ 7 4.8	2.564	3.544	3.4	21.1
4 1	12 37.20	+ 8 43.1	2.567	3.547	3.7	21.1
4 11	12 30.71	+10 10.8	2.601	3.550	6.1	21.3
4 21	12 24.91	+11 23.4	2.662	3.552	8.7	21.5
5 1	12 20.30	+12 18.1	2.749	3.554	11.1	21.6
377385	2004 RK_{263}		3 30.9	178.°61	1.°5/29.3	17
2 21	13 0.96	− 3 35.6	2.078	2.873	13.8	21.5
3 2	12 57.46	− 2 45.3	1.991	2.874	10.8	21.3
3 12	12 51.94	− 1 42.4	1.926	2.875	7.2	21.0
3 22	12 44.89	− 0 31.5	1.888	2.875	3.4	20.8
4 1	12 37.06	+ 0 41.1	1.878	2.875	1.9	20.7
4 11	12 29.36	+ 1 48.6	1.898	2.875	5.5	20.9
4 21	12 22.60	+ 2 45.1	1.944	2.874	9.3	21.2
5 1	12 17.46	+ 3 26.3	2.015	2.873	12.6	21.4
325786	2010 PC_{58}		3 30.9	171.°48	0.°1/30.9	16
2 21	13 5.39	− 6 57.2	2.082	2.857	14.5	22.4
3 2	13 0.93	− 6 31.8	1.992	2.861	11.4	22.2
3 12	12 54.30	− 5 52.7	1.924	2.864	7.8	22.0
3 22	12 46.03	− 5 3.1	1.882	2.867	3.8	21.7
4 1	12 36.92	− 4 7.5	1.870	2.869	0.5	21.4
4 11	12 27.94	− 3 12.0	1.886	2.870	4.7	21.8
4 21	12 19.97	− 2 22.5	1.931	2.870	8.7	22.0
5 1	12 13.75	− 1 43.8	2.001	2.870	12.2	22.2

286437 2002 AN_{30} 3 30.9 11.°64 1.°3/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.91	− 8 45.4	1.163	1.984	20.9	19.9
3 2	12 58.20	− 8 44.8	1.092	1.986	16.7	19.7
3 12	12 53.27	− 8 22.2	1.040	1.989	11.7	19.4
3 22	12 45.77	− 7 40.0	1.008	1.993	6.1	19.1
4 1	12 36.94	− 6 44.6	0.999	1.998	1.3	18.8
4 11	12 28.35	− 5 45.7	1.014	2.004	6.3	19.1
4 21	12 21.42	− 4 53.2	1.052	2.011	11.9	19.4
5 1	12 17.17	− 4 15.2	1.110	2.018	16.7	19.7

98334 2000 SK_{295} 3 30.9 161.°06 1.°5/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.47	− 9 55.5	1.979	2.742	15.5	20.2
3 2	13 2.70	− 9 52.5	1.890	2.749	12.5	20.0
3 12	12 55.58	− 9 34.4	1.822	2.755	8.8	19.8
3 22	12 46.67	− 9 2.8	1.780	2.760	4.7	19.6
4 1	12 36.84	− 8 21.3	1.767	2.764	1.5	19.3
4 11	12 27.14	− 7 35.4	1.782	2.768	4.6	19.6
4 21	12 18.57	− 6 51.1	1.825	2.771	8.6	19.8
5 1	12 11.88	− 6 13.8	1.893	2.773	12.3	20.0

138759 2000 SK_{281} 3 30.9 188.°50 3.°4/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.99	−18 20.9	2.901	3.612	12.2	21.2
3 2	12 57.00	−18 26.5	2.796	3.611	10.2	21.1
3 12	12 51.39	−18 17.6	2.713	3.610	7.8	20.9
3 22	12 44.57	−17 54.3	2.655	3.608	5.4	20.7
4 1	12 37.11	−17 17.9	2.625	3.606	3.5	20.6
4 11	12 29.68	−16 31.8	2.625	3.604	4.0	20.6
4 21	12 22.93	−15 40.2	2.654	3.602	6.2	20.8
5 1	12 17.42	−14 47.9	2.710	3.598	8.7	20.9

367849 2011 CB_9 3 30.9 155.°88 5.°8/ 6.0 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.81	−23 16.0	2.385	3.068	15.2	22.4
3 2	13 1.99	−23 49.3	2.289	3.076	13.0	22.2
3 12	12 55.01	−24 3.8	2.213	3.084	10.5	22.0
3 22	12 46.38	−23 57.9	2.160	3.091	7.9	21.9
4 1	12 36.88	−23 31.7	2.135	3.097	6.0	21.8
4 11	12 27.44	−22 48.0	2.138	3.102	6.0	21.8
4 21	12 18.95	−21 52.4	2.168	3.107	7.9	21.9
5 1	12 12.16	−20 51.3	2.225	3.111	10.4	22.1

212628 2006 TR_{41} 3 30.9 68.°94 3.°4/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.38	+ 5 25.5	2.263	3.069	12.5	20.0
3 2	12 59.09	+ 5 54.4	2.185	3.074	9.7	19.8
3 12	12 52.88	+ 6 26.7	2.131	3.079	6.7	19.6
3 22	12 45.29	+ 6 57.6	2.103	3.084	4.0	19.4
4 1	12 37.03	+ 7 22.4	2.104	3.088	3.8	19.4
4 11	12 28.96	+ 7 36.7	2.134	3.094	6.4	19.6
4 21	12 21.83	+ 7 38.0	2.190	3.099	9.4	19.8
5 1	12 16.25	+ 7 25.0	2.270	3.104	12.2	20.0

423427 2005 QS_6 3 30.9 180.°77 3.°2/ 2.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.91	−14 48.1	2.346	3.077	14.2	22.4
3 2	13 2.01	−15 5.4	2.246	3.079	11.7	22.2
3 12	12 55.01	−15 7.9	2.167	3.079	8.8	22.0
3 22	12 46.39	−14 55.5	2.115	3.080	5.6	21.8
4 1	12 36.90	−14 29.8	2.090	3.079	3.2	21.7
4 11	12 27.45	−13 54.3	2.095	3.078	4.4	21.7
4 21	12 18.90	−13 14.0	2.129	3.076	7.5	21.9
5 1	12 11.97	−12 34.4	2.189	3.074	10.7	22.1

363107 2000 UB_{92} 3 30.9 174.°42 0.°5/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.02	− 6 48.6	1.885	2.662	15.7	21.6
3 2	13 3.27	− 6 44.2	1.795	2.665	12.5	21.3
3 12	12 56.06	− 6 26.5	1.727	2.667	8.6	21.1
3 22	12 46.94	− 5 57.8	1.685	2.668	4.3	20.8
4 1	12 36.83	− 5 22.1	1.670	2.669	0.6	20.6
4 11	12 26.84	− 4 45.0	1.685	2.670	5.0	20.9
4 21	12 18.00	− 4 12.1	1.726	2.669	9.3	21.1
5 1	12 11.13	− 3 48.4	1.793	2.668	13.1	21.4

385871 2006 RS_{71} 3 30.9 136.°90 0.°7/31.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.80	− 7 48.5	2.647	3.410	12.0	21.6
3 2	12 58.40	− 7 44.5	2.557	3.418	9.5	21.4
3 12	12 52.32	− 7 30.3	2.491	3.425	6.6	21.3
3 22	12 45.01	− 7 7.8	2.451	3.433	3.4	21.1
4 1	12 37.09	− 6 39.8	2.441	3.440	0.7	20.8
4 11	12 29.28	− 6 10.0	2.462	3.447	3.6	21.1
4 21	12 22.26	− 5 42.1	2.511	3.454	6.8	21.3
5 1	12 16.57	− 5 19.7	2.586	3.460	9.6	21.5

337030 1995 SB_{39} 3 30.9 43.°60 0.°6/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.28	− 2 22.0	2.053	2.844	14.1	20.9
3 2	13 0.77	− 2 27.8	1.974	2.853	11.1	20.7
3 12	12 54.14	− 2 25.6	1.918	2.863	7.5	20.5
3 22	12 45.93	− 2 18.1	1.888	2.874	3.5	20.3
4 1	12 36.98	− 2 8.7	1.886	2.884	0.9	20.1
4 11	12 28.23	− 2 1.4	1.913	2.895	4.8	20.4
4 21	12 20.54	− 1 59.7	1.967	2.906	8.6	20.7
5 1	12 14.60	− 2 6.1	2.046	2.918	11.9	20.9

417577 2006 UT_{273} 3 30.9 181.°96 1.°1/29.8 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.59	− 2 56.5	2.162	2.947	13.7	22.4
3 2	13 1.01	− 2 29.1	2.071	2.948	10.7	22.2
3 12	12 54.32	− 1 51.4	2.004	2.949	7.2	22.0
3 22	12 46.05	− 1 7.1	1.962	2.949	3.4	21.7
4 1	12 36.96	− 0 21.0	1.951	2.948	1.5	21.6
4 11	12 27.98	+ 0 21.4	1.968	2.946	5.2	21.8
4 21	12 19.97	+ 0 55.2	2.013	2.944	8.9	22.1
5 1	12 13.63	+ 1 16.9	2.084	2.942	12.2	22.3

291923 Kuzmaskryabin 3 30.9 248.°21 0.°9/31.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.60	− 8 49.8	1.913	2.688	15.5	21.9
3 2	13 0.79	− 8 36.7	1.805	2.673	12.5	21.7
3 12	12 54.53	− 8 7.7	1.719	2.656	8.8	21.4
3 22	12 46.30	− 7 24.5	1.657	2.640	4.6	21.1
4 1	12 36.91	− 6 31.0	1.624	2.622	0.9	20.8
4 11	12 27.43	− 5 33.7	1.618	2.604	5.0	21.0
4 21	12 18.91	− 4 39.2	1.640	2.586	9.5	21.3
5 1	12 12.26	− 3 54.1	1.686	2.567	13.5	21.5

459157 2012 DX_5 3 30.9 132.°33 2.°1/ 1.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.56	−11 15.0	1.853	2.617	16.4	22.1
3 2	13 2.15	−11 21.2	1.768	2.626	13.2	21.9
3 12	12 55.29	−11 11.0	1.705	2.635	9.5	21.7
3 22	12 46.56	−10 45.6	1.666	2.643	5.4	21.5
4 1	12 36.89	−10 8.3	1.654	2.650	2.2	21.3
4 11	12 27.39	− 9 24.4	1.671	2.658	4.8	21.4
4 21	12 19.08	− 8 40.4	1.715	2.665	8.8	21.7
5 1	12 12.77	− 8 2.2	1.783	2.671	12.5	21.9

406462 2007 UC_{18} 3 30.9 211.°84 1.°7/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.31	− 2 36.8	2.041	2.831	14.2	22.2
3 2	13 1.02	− 1 52.0	1.943	2.824	11.1	22.0
3 12	12 54.48	− 0 55.1	1.868	2.815	7.5	21.7
3 22	12 46.19	+ 0 9.8	1.820	2.806	3.6	21.5
4 1	12 36.94	+ 1 16.4	1.800	2.796	2.1	21.4
4 11	12 27.73	+ 2 17.7	1.810	2.785	5.9	21.6
4 21	12 19.48	+ 3 7.9	1.847	2.774	9.9	21.8
5 1	12 12.99	+ 3 42.5	1.909	2.761	13.4	22.0

409166 2003 UV_{211} 3 30.9 186.°12 1.°5/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.77	− 2 5.9	2.185	2.969	13.6	22.5
3 2	13 1.91	− 1 35.3	2.092	2.969	10.6	22.3
3 12	12 54.93	− 0 54.9	2.023	2.969	7.2	22.1
3 22	12 46.35	− 0 8.4	1.981	2.967	3.4	21.9
4 1	12 36.93	+ 0 38.9	1.969	2.965	1.8	21.8
4 11	12 27.61	+ 1 21.6	1.986	2.962	5.3	22.0
4 21	12 19.26	+ 1 54.9	2.031	2.958	9.1	22.2
5 1	12 12.59	+ 2 15.5	2.101	2.953	12.4	22.4

432242 2009 PJ_{20} 3 30.9 93.°02 2.°7/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.35	− 1 7.9	2.006	2.807	14.0	21.8
3 2	12 58.39	+ 0 10.8	1.944	2.832	10.8	21.6
3 12	12 52.42	+ 1 40.1	1.906	2.856	7.1	21.4
3 22	12 45.06	+ 3 13.1	1.895	2.880	3.6	21.2
4 1	12 37.11	+ 4 42.3	1.913	2.904	3.2	21.2
4 11	12 29.47	+ 6 0.2	1.960	2.927	6.4	21.5
4 21	12 22.93	+ 7 1.5	2.034	2.949	9.8	21.7
5 1	12 18.07	+ 7 43.3	2.132	2.971	12.7	22.0

112392 2002 NA_{33} 3 30.9 276.°58 2.°8/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.05	−14 39.1	1.841	2.601	16.6	19.8
3 2	12 59.08	−14 25.9	1.721	2.573	13.8	19.5
3 12	12 53.58	−13 50.6	1.620	2.546	10.2	19.2
3 22	12 45.94	−12 53.1	1.544	2.517	6.2	18.9
4 1	12 36.96	−11 36.2	1.494	2.488	2.9	18.6
4 11	12 27.73	−10 6.5	1.471	2.459	5.1	18.7
4 21	12 19.41	− 8 33.1	1.476	2.429	9.7	18.9
5 1	12 13.01	− 7 5.6	1.505	2.398	14.1	19.1

199317 2006 BQ_{107} 3 30.9 290.°78 1.°8/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.41	− 2 7.9	1.884	2.688	14.7	20.6
3 2	12 58.10	− 1 31.9	1.795	2.684	11.5	20.4
3 12	12 52.54	− 0 44.2	1.729	2.680	7.7	20.2
3 22	12 45.26	+ 0 10.5	1.688	2.675	3.7	19.9
4 1	12 37.07	+ 1 6.3	1.675	2.671	2.2	19.8
4 11	12 28.98	+ 1 56.3	1.690	2.667	6.0	20.0
4 21	12 21.92	+ 2 34.8	1.730	2.663	10.0	20.3
5 1	12 16.64	+ 2 58.0	1.795	2.659	13.6	20.5

200687 2001 TS_{230} 3 30.9 281.°53 0.°3/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.44	− 8 33.6	1.459	2.261	18.3	20.8
3 2	12 59.07	− 8 3.8	1.359	2.243	14.7	20.5
3 12	12 53.80	− 7 11.8	1.278	2.225	10.3	20.2
3 22	12 46.11	− 6 0.2	1.221	2.206	5.1	19.9
4 1	12 36.94	− 4 35.3	1.188	2.188	0.6	19.5
4 11	12 27.65	− 3 7.3	1.182	2.169	6.3	19.8
4 21	12 19.57	− 1 46.7	1.201	2.150	11.8	20.1
5 1	12 13.82	− 0 42.8	1.241	2.132	16.7	20.3

6480 Scarlatti 3 30.9 235.°15 0.°6/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.27	− 5 49.5	2.007	2.791	14.6	18.9
3 2	13 0.34	− 5 14.7	1.901	2.777	11.6	18.6
3 12	12 54.12	− 4 25.3	1.818	2.762	7.9	18.4
3 22	12 46.07	− 3 24.4	1.761	2.747	3.8	18.1
4 1	12 36.96	− 2 17.5	1.732	2.731	0.9	17.8
4 11	12 27.82	− 1 11.5	1.732	2.714	5.3	18.1
4 21	12 19.61	− 0 13.1	1.760	2.696	9.6	18.3
5 1	12 13.16	+ 0 32.1	1.812	2.678	13.4	18.5

500620 2012 US_{149} 3 30.9 117.°17 2.°6/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.27	+ 3 24.2	2.355	3.151	12.4	21.5
3 2	13 0.48	+ 3 40.5	2.273	3.156	9.6	21.3
3 12	12 53.81	+ 4 0.9	2.215	3.162	6.5	21.1
3 22	12 45.75	+ 4 21.5	2.184	3.167	3.5	20.9
4 1	12 37.03	+ 4 38.3	2.182	3.172	2.9	20.9
4 11	12 28.48	+ 4 47.3	2.209	3.177	5.6	21.1
4 21	12 20.86	+ 4 46.0	2.265	3.182	8.8	21.3
5 1	12 14.77	+ 4 32.9	2.345	3.187	11.6	21.5

67396 2000 PV_2 3 30.9 221.°32 1.°1/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.48	−10 14.8	1.863	2.636	16.0	20.6
3 2	13 0.69	− 9 52.4	1.762	2.627	12.9	20.4
3 12	12 54.44	− 9 11.8	1.682	2.618	9.1	20.1
3 22	12 46.25	− 8 14.9	1.627	2.609	4.8	19.8
4 1	12 36.95	− 7 6.4	1.600	2.598	1.1	19.6
4 11	12 27.66	− 5 53.5	1.601	2.587	5.0	19.8
4 21	12 19.41	− 4 44.0	1.629	2.576	9.4	20.0
5 1	12 13.08	− 3 44.8	1.682	2.564	13.5	20.3

259188 2003 AM_{29} 3 30.9 31.°24 8.°8/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.41	−23 56.5	1.456	2.188	21.5	19.0
3 2	13 0.63	−25 8.0	1.384	2.199	18.6	18.8
3 12	12 54.78	−25 52.7	1.328	2.211	15.2	18.6
3 22	12 46.50	−26 6.1	1.291	2.224	11.9	18.4
4 1	12 36.93	−25 47.1	1.277	2.238	9.3	18.3
4 11	12 27.55	−24 59.6	1.287	2.252	9.0	18.3
4 21	12 19.71	−23 52.5	1.320	2.267	11.1	18.5
5 1	12 14.42	−22 37.0	1.375	2.283	14.2	18.7

306633 2000 RT_{107} 3 30.9 121.°60 4.°7/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.78	+ 5 46.8	1.867	2.675	14.7	21.3
3 2	13 2.80	+ 6 52.4	1.805	2.694	11.4	21.1
3 12	12 55.51	+ 8 2.7	1.766	2.713	7.9	21.0
3 22	12 46.58	+ 9 10.5	1.753	2.731	5.1	20.8
4 1	12 36.95	+10 8.1	1.769	2.748	5.3	20.9
4 11	12 27.68	+10 49.3	1.813	2.764	8.1	21.1
4 21	12 19.69	+11 10.6	1.883	2.779	11.4	21.3
5 1	12 13.66	+11 11.4	1.975	2.794	14.4	21.5

58247 1993 PH_3 3 30.9 211.°29 1.°6/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.60	− 3 42.2	2.045	2.833	14.2	20.7
3 2	13 0.47	− 2 49.6	1.946	2.826	11.2	20.5
3 12	12 54.12	− 1 43.2	1.871	2.818	7.5	20.3
3 22	12 46.03	− 0 27.4	1.822	2.808	3.6	20.0
4 1	12 37.00	+ 0 51.1	1.802	2.798	2.0	19.8
4 11	12 28.00	+ 2 5.0	1.811	2.787	5.8	20.1
4 21	12 19.96	+ 3 7.5	1.848	2.775	9.8	20.3
5 1	12 13.65	+ 3 53.9	1.910	2.762	13.4	20.5

264570 2001 TV_{70} 3 30.9 124.°86 1.°9/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.48	− 0 43.7	2.146	2.938	13.6	21.1
3 2	13 0.77	− 0 8.5	2.072	2.953	10.5	20.9
3 12	12 54.05	+ 0 35.2	2.021	2.968	7.0	20.7
3 22	12 45.88	+ 1 22.9	1.997	2.983	3.4	20.5
4 1	12 37.04	+ 2 9.2	2.002	2.996	2.3	20.4
4 11	12 28.44	+ 2 48.8	2.036	3.010	5.5	20.7
4 21	12 20.90	+ 3 17.6	2.098	3.022	9.0	20.9
5 1	12 15.02	+ 3 32.9	2.185	3.034	12.1	21.1

57242 2001 QK_{83} 3 30.9 154.°09 3.°6/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 7.77	−15 23.3	2.224	2.955	14.9	19.7
3 2	13 2.78	−15 49.4	2.131	2.962	12.3	19.5
3 12	12 55.58	−16 0.1	2.059	2.968	9.3	19.3
3 22	12 46.70	−15 54.9	2.012	2.974	6.1	19.2
4 1	12 36.93	−15 35.2	1.993	2.980	3.7	19.0
4 11	12 27.24	−15 4.4	2.004	2.985	4.8	19.1
4 21	12 18.55	−14 27.7	2.042	2.989	7.8	19.3
5 1	12 11.60	−13 50.8	2.107	2.993	10.9	19.5

148622 2001 RY_{126} 3 30.9 211.°36 2.°2/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 4.16	− 0 11.3	2.141	2.937	13.4	21.2
3 2	12 59.98	+ 0 28.8	2.047	2.931	10.5	21.0
3 12	12 53.69	+ 1 18.2	1.977	2.925	7.1	20.7
3 22	12 45.79	+ 2 12.3	1.933	2.918	3.5	20.5
4 1	12 37.04	+ 3 5.4	1.918	2.911	2.6	20.4
4 11	12 28.36	+ 3 51.6	1.931	2.903	6.0	20.6
4 21	12 20.60	+ 4 26.0	1.973	2.895	9.6	20.8
5 1	12 14.49	+ 4 45.4	2.038	2.886	12.9	21.0

522827 2016 NJ_{82} 3 30.9 188.°08 1.°9/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.69	−14 3.2	2.481	3.229	13.1	21.9
3 2	12 55.45	−13 37.9	2.382	3.229	10.7	21.7
3 12	12 50.47	−12 56.3	2.305	3.228	7.7	21.5
3 22	12 44.19	−12 0.2	2.255	3.228	4.5	21.3
4 1	12 37.25	−10 53.0	2.232	3.227	2.0	21.1
4 11	12 30.39	− 9 39.9	2.239	3.226	3.7	21.2
4 21	12 24.29	− 8 26.9	2.275	3.225	6.9	21.4
5 1	12 19.56	− 7 19.5	2.337	3.224	10.0	21.6

495837 2001 SB_{349} 3 30.9 152.°05 4.°4/26.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.05	+ 7 24.4	2.263	3.065	12.6	21.7
3 2	13 1.15	+ 8 16.5	2.189	3.074	9.8	21.5
3 12	12 54.28	+ 9 11.3	2.139	3.083	6.9	21.3
3 22	12 45.99	+10 3.1	2.116	3.091	4.7	21.2
4 1	12 37.03	+10 46.0	2.123	3.098	4.9	21.2
4 11	12 28.29	+11 15.1	2.158	3.104	7.3	21.4
4 21	12 20.56	+11 27.7	2.220	3.110	10.2	21.6
5 1	12 14.44	+11 22.8	2.306	3.116	12.8	21.7

97855 2000 QV_{14} 3 30.9 199.°30 0.°8/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.44	− 5 7.4	1.896	2.683	15.2	20.2
3 2	13 1.28	− 4 33.7	1.803	2.680	12.0	19.9
3 12	12 54.74	− 3 45.8	1.732	2.677	8.2	19.7
3 22	12 46.35	− 2 47.5	1.686	2.672	3.9	19.4
4 1	12 36.97	− 1 44.5	1.669	2.667	1.1	19.2
4 11	12 27.67	− 0 43.9	1.681	2.662	5.5	19.5
4 21	12 19.44	+ 0 7.6	1.719	2.655	9.8	19.7
5 1	12 13.10	+ 0 45.2	1.782	2.648	13.6	20.0

457470 2008 UQ_{221} 3 30.9 194.°62 0.°3/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 8.63	− 5 20.6	1.841	2.623	15.8	22.0
3 2	13 3.88	− 5 6.4	1.748	2.622	12.6	21.8
3 12	12 56.57	− 4 39.0	1.676	2.619	8.6	21.5
3 22	12 47.26	− 4 1.3	1.630	2.615	4.1	21.2
4 1	12 36.86	− 3 18.1	1.612	2.611	0.7	20.9
4 11	12 26.54	− 2 35.6	1.623	2.606	5.4	21.3
4 21	12 17.37	− 1 59.8	1.661	2.600	9.9	21.5
5 1	12 10.24	− 1 35.5	1.723	2.594	13.8	21.7

21881 1999 UK_{15} 3 30.9 166.°92 1.°2/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.27	− 3 0.1	2.206	2.997	13.3	19.2
3 2	12 58.37	− 2 26.6	2.118	2.999	10.4	19.0
3 12	12 52.51	− 1 42.7	2.054	3.001	7.0	18.8
3 22	12 45.19	− 0 52.3	2.016	3.003	3.3	18.5
4 1	12 37.14	− 0 0.5	2.007	3.005	1.6	18.4
4 11	12 29.21	+ 0 47.2	2.028	3.006	5.1	18.6
4 21	12 22.19	+ 1 26.0	2.075	3.007	8.7	18.9
5 1	12 16.73	+ 1 52.3	2.148	3.008	11.9	19.1

98070 2000 RQ_{53} 3 30.9 149.°83 1.°7/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.27	− 2 32.7	1.989	2.779	14.5	20.5
3 2	13 1.63	− 1 48.8	1.909	2.789	11.3	20.3
3 12	12 54.78	− 0 53.6	1.852	2.799	7.6	20.1
3 22	12 46.29	+ 0 8.3	1.822	2.808	3.6	19.9
4 1	12 37.01	+ 1 10.5	1.820	2.816	2.1	19.8
4 11	12 27.95	+ 2 6.5	1.848	2.824	5.7	20.0
4 21	12 20.00	+ 2 50.8	1.903	2.831	9.6	20.3
5 1	12 13.87	+ 3 19.8	1.983	2.837	13.0	20.5

35172 1993 TA_3 3 30.9 256.°55 1.°9/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.25	− 3 17.4	1.681	2.486	16.2	18.6
3 2	13 0.01	− 2 31.5	1.582	2.471	12.7	18.3
3 12	12 54.15	− 1 29.9	1.505	2.456	8.6	18.0
3 22	12 46.19	− 0 17.3	1.453	2.440	4.1	17.7
4 1	12 37.00	+ 0 59.0	1.428	2.425	2.3	17.6
4 11	12 27.77	+ 2 9.9	1.431	2.408	6.8	17.8
4 21	12 19.65	+ 3 7.6	1.459	2.392	11.4	18.0
5 1	12 13.58	+ 3 46.5	1.509	2.375	15.6	18.2

199446 2006 DM_{35} 3 30.9 25.°23 0.°8/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.32	− 5 1.1	1.902	2.699	14.8	20.6
3 2	12 57.19	− 4 24.4	1.816	2.700	11.6	20.4
3 12	12 51.89	− 3 33.9	1.754	2.701	7.9	20.1
3 22	12 44.95	− 2 33.7	1.716	2.703	3.7	19.9
4 1	12 37.17	− 1 29.6	1.706	2.704	1.2	19.7
4 11	12 29.53	− 0 28.8	1.724	2.706	5.3	20.0
4 21	12 22.91	+ 0 22.5	1.769	2.708	9.4	20.2
5 1	12 18.04	+ 0 59.8	1.837	2.709	13.0	20.4

137199 1999 KX_4 3 30.9 356.°25 62.°5/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	4 52.81	+69 5.9	0.266	1.083	62.5	16.4
3 2	4 35.78	+75 13.7	0.285	1.059	68.6	16.7
3 12	4 27.92	+80 43.4	0.300	1.042	72.4	16.9
3 22	4 41.61	+85 56.2	0.310	1.033	74.6	17.0
4 1	13 44.61	+88 28.1	0.314	1.031	75.3	17.1
4 11	15 15.81	+83 2.2	0.313	1.038	74.7	17.1
4 21	15 21.77	+76 51.2	0.306	1.053	72.7	17.0
5 1	15 20.82	+69 36.1	0.296	1.074	69.2	16.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
369291	2009 RB_{61}		3 30.9	175.°92	6.°8/ 6.6	17
	h m	° ′			°	m
2 21	13 5.02	−24 31.4	2.105	2.796	16.8	21.0
3 2	13 1.01	−25 11.0	2.008	2.797	14.5	20.9
3 12	12 54.62	−25 29.3	1.929	2.798	11.9	20.7
3 22	12 46.33	−25 24.0	1.872	2.799	9.2	20.5
4 1	12 37.00	−24 54.3	1.841	2.799	7.2	20.4
4 11	12 27.68	−24 3.6	1.836	2.799	7.0	20.4
4 21	12 19.39	−22 57.9	1.858	2.799	8.9	20.5
5 1	12 12.99	−21 45.2	1.905	2.798	11.6	20.6
216604	2002 TA_1		3 30.9	251.°02	2.°1/28.9	17
2 21	13 3.69	− 1 42.7	1.887	2.688	14.8	21.2
3 2	13 0.03	− 1 0.8	1.786	2.673	11.6	20.9
3 12	12 53.99	− 0 6.5	1.708	2.658	7.9	20.6
3 22	12 46.06	+ 0 55.7	1.655	2.642	3.8	20.4
4 1	12 37.04	+ 1 59.3	1.630	2.625	2.5	20.2
4 11	12 27.98	+ 2 56.7	1.634	2.609	6.4	20.4
4 21	12 19.92	+ 3 41.8	1.663	2.592	10.6	20.6
5 1	12 13.69	+ 4 10.0	1.716	2.574	14.5	20.8
83859	2001 UB_{66}		3 30.9	235.°86	5.°0/26.2	18
2 21	13 7.41	+ 8 52.2	2.153	2.957	13.1	19.2
3 2	13 2.56	+ 9 35.4	2.059	2.944	10.4	19.0
3 12	12 55.49	+10 20.9	1.989	2.931	7.5	18.8
3 22	12 46.70	+11 2.7	1.945	2.918	5.2	18.6
4 1	12 36.98	+11 34.7	1.930	2.904	5.5	18.6
4 11	12 27.31	+11 51.5	1.944	2.889	8.1	18.7
4 21	12 18.62	+11 50.3	1.984	2.874	11.2	18.9
5 1	12 11.66	+11 30.3	2.047	2.858	14.2	19.0
278309	2007 HP_{15}		3 30.9	311.°82	10.°9/20.6	17
2 21	13 5.76	+19 48.4	1.605	2.430	15.9	20.0
3 2	13 2.48	+21 12.5	1.510	2.394	13.5	19.8
3 12	12 56.17	+22 33.4	1.436	2.357	11.6	19.6
3 22	12 47.31	+23 39.6	1.385	2.320	11.0	19.4
4 1	12 36.89	+24 19.4	1.357	2.284	12.2	19.4
4 11	12 26.29	+24 24.0	1.353	2.248	14.9	19.4
4 21	12 16.90	+23 50.6	1.369	2.212	18.1	19.5
5 1	12 9.89	+22 41.2	1.402	2.177	21.3	19.7
281584	2008 UD_{141}		3 30.9	219.°44	1.°7/ 1.8	17
2 21	13 0.61	−12 9.8	2.174	2.936	14.3	21.3
3 2	12 57.24	−11 52.5	2.077	2.933	11.6	21.1
3 12	12 51.86	−11 18.7	2.001	2.930	8.3	20.9
3 22	12 44.94	−10 30.0	1.950	2.927	4.7	20.7
4 1	12 37.21	− 9 30.2	1.927	2.924	1.7	20.5
4 11	12 29.54	− 8 24.9	1.933	2.920	4.1	20.6
4 21	12 22.75	− 7 20.4	1.967	2.917	7.9	20.8
5 1	12 17.54	− 6 22.8	2.026	2.913	11.3	21.1
438615	2007 WT_{58}		3 30.9	56.°96	6.°2/23.9	15
2 21	13 0.78	+11 48.9	2.070	2.892	12.9	21.4
3 2	12 57.19	+13 5.7	2.016	2.909	10.2	21.3
3 12	12 51.65	+14 21.9	1.986	2.926	7.7	21.2
3 22	12 44.74	+15 30.0	1.983	2.944	6.3	21.1
4 1	12 37.25	+16 23.2	2.006	2.961	6.9	21.2
4 11	12 30.05	+16 56.6	2.056	2.979	9.1	21.3
4 21	12 23.90	+17 8.1	2.131	2.996	11.6	21.5
5 1	12 19.38	+16 58.1	2.226	3.014	13.9	21.7
249670	1999 VE_{129}		3 30.9	214.°30	1.°8/ 1.7	16
2 21	13 4.91	−12 4.3	2.189	2.942	14.5	22.1
3 2	13 0.67	−11 49.6	2.082	2.933	11.8	21.8
3 12	12 54.25	−11 18.4	1.997	2.924	8.5	21.6
3 22	12 46.13	−10 31.9	1.937	2.914	4.8	21.4
4 1	12 37.06	− 9 33.6	1.906	2.903	1.8	21.1
4 11	12 27.97	− 8 29.0	1.905	2.891	4.3	21.3
4 21	12 19.77	− 7 24.5	1.932	2.879	8.2	21.5
5 1	12 13.24	− 6 26.4	1.985	2.865	11.8	21.7
204802	2006 SS_{22}		3 30.9	228.°38	3.°6/26.2	18
2 21	12 59.30	+ 4 24.2	2.423	3.232	11.7	20.5
3 2	12 55.92	+ 5 30.0	2.335	3.227	9.1	20.3
3 12	12 50.80	+ 6 42.0	2.272	3.221	6.2	20.1
3 22	12 44.38	+ 7 54.6	2.237	3.216	4.0	19.9
4 1	12 37.29	+ 9 1.7	2.230	3.210	4.2	20.0
4 11	12 30.28	+ 9 57.5	2.253	3.204	6.7	20.1
4 21	12 24.05	+10 38.0	2.302	3.198	9.6	20.3
5 1	12 19.17	+11 0.9	2.374	3.192	12.3	20.4
438390	2006 UN_{36}		3 30.9	135.°64	1.°6/29.1	17
2 21	13 2.48	− 0 9.8	2.570	3.359	11.6	21.6
3 2	12 58.19	+ 0 11.6	2.485	3.365	9.0	21.4
3 12	12 52.22	+ 0 39.4	2.424	3.370	6.0	21.2
3 22	12 45.02	+ 1 10.3	2.390	3.376	2.9	21.0
4 1	12 37.22	+ 1 40.3	2.386	3.381	1.9	21.0
4 11	12 29.55	+ 2 5.5	2.412	3.386	4.7	21.2
4 21	12 22.68	+ 2 22.6	2.466	3.391	7.8	21.4
5 1	12 17.17	+ 2 29.3	2.545	3.396	10.5	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
175626	2007 PK_{25}		3 30.9	126.°70	0.°2/31.3	18
	h m	° ′			°	m
2 21	13 0.16	− 9 7.6	3.144	3.898	10.5	21.0
3 2	12 56.02	− 8 18.9	3.061	3.918	8.3	20.9
3 12	12 50.55	− 7 19.4	3.003	3.937	5.6	20.7
3 22	12 44.15	− 6 11.8	2.973	3.956	2.8	20.5
4 1	12 37.33	− 4 59.9	2.975	3.974	0.3	20.3
4 11	12 30.67	− 3 48.4	3.008	3.991	3.2	20.6
4 21	12 24.67	− 2 41.6	3.071	4.008	5.9	20.8
5 1	12 19.77	− 1 43.0	3.162	4.024	8.4	21.0
422227	2014 RO_{62}		3 30.9	267.°82	0.°2/31.1	17
2 21	13 8.63	− 5 22.9	1.608	2.399	17.4	21.4
3 2	13 4.60	− 5 28.8	1.501	2.379	14.0	21.2
3 12	12 57.57	− 5 21.4	1.414	2.357	9.8	20.9
3 22	12 47.99	− 5 2.6	1.351	2.336	4.9	20.5
4 1	12 36.81	− 4 36.3	1.314	2.313	0.6	20.1
4 11	12 25.38	− 4 8.3	1.305	2.291	6.0	20.5
4 21	12 15.08	− 3 45.2	1.322	2.267	11.3	20.7
5 1	12 7.09	− 3 32.4	1.361	2.244	16.0	20.9
519427	2011 UT_{415}		3 30.9	235.°41	3.°2/27.0	16
2 21	13 1.98	+ 5 37.6	2.759	3.558	10.7	22.3
3 2	12 57.78	+ 6 12.8	2.663	3.548	8.3	22.2
3 12	12 51.96	+ 6 51.3	2.592	3.538	5.8	22.0
3 22	12 44.91	+ 7 29.1	2.549	3.528	3.6	21.8
4 1	12 37.24	+ 8 1.9	2.535	3.517	3.6	21.8
4 11	12 29.61	+ 8 25.6	2.551	3.506	5.8	21.9
4 21	12 22.68	+ 8 37.4	2.595	3.495	8.5	22.1
5 1	12 17.00	+ 8 36.0	2.663	3.484	11.0	22.2
400556	2008 WU_{42}		3 30.9	143.°24	3.°0/ 2.4	18
2 21	13 5.06	−13 58.4	1.611	2.379	18.3	22.2
3 2	13 1.45	−13 56.4	1.527	2.384	15.0	21.9
3 12	12 55.10	−13 32.5	1.462	2.389	11.0	21.7
3 22	12 46.62	−12 47.7	1.420	2.394	6.5	21.5
4 1	12 37.02	−11 45.7	1.404	2.398	3.1	21.2
4 11	12 27.59	−10 34.0	1.415	2.402	5.3	21.4
4 21	12 19.47	− 9 21.4	1.452	2.406	9.7	21.7
5 1	12 13.59	− 8 16.6	1.513	2.409	13.8	21.9
69481	1996 XU_{19}		3 30.9	46.°31	0.°8/31.5	18
2 21	13 2.83	− 8 37.4	1.343	2.149	19.4	18.3
3 2	12 59.94	− 8 23.5	1.278	2.163	15.4	18.1
3 12	12 54.13	− 7 49.4	1.232	2.177	10.7	17.8
3 22	12 46.13	− 6 58.8	1.208	2.193	5.4	17.6
4 1	12 37.10	− 5 58.2	1.209	2.208	0.9	17.3
4 11	12 28.43	− 4 56.7	1.236	2.224	5.8	17.7
4 21	12 21.33	− 4 2.9	1.288	2.241	10.8	18.0
5 1	12 16.65	− 3 23.3	1.361	2.257	15.1	18.3
166544	2002 RL_{45}		3 30.9	174.°21	0.°6/30.1	18
2 21	13 1.75	− 4 18.7	2.870	3.643	10.9	22.1
3 2	12 57.49	− 3 48.8	2.776	3.646	8.6	21.9
3 12	12 51.68	− 3 10.3	2.706	3.648	5.8	21.7
3 22	12 44.76	− 2 25.8	2.665	3.650	2.7	21.5
4 1	12 37.27	− 1 39.1	2.653	3.652	0.9	21.4
4 11	12 29.87	− 0 54.3	2.673	3.652	3.9	21.6
4 21	12 23.16	− 0 15.3	2.721	3.653	6.9	21.8
5 1	12 17.65	+ 0 15.0	2.796	3.652	9.5	22.0
228402	2001 EP_1		3 30.9	85.°71	5.°4/25.3	18
2 21	13 5.46	+ 9 29.0	2.043	2.854	13.4	19.9
3 2	13 0.73	+10 35.3	1.992	2.881	10.5	19.8
3 12	12 53.98	+11 42.3	1.965	2.907	7.6	19.6
3 22	12 45.83	+12 42.9	1.965	2.933	5.6	19.6
4 1	12 37.15	+13 30.4	1.993	2.959	6.0	19.6
4 11	12 28.86	+14 0.2	2.048	2.984	8.3	19.8
4 21	12 21.74	+14 10.1	2.129	3.009	11.0	20.0
5 1	12 16.36	+14 0.5	2.233	3.033	13.5	20.2
464927	2005 UZ_{161}		3 30.9	139.°00	9.°1/23.8	18
2 21	13 19.81	+23 31.8	2.112	2.889	14.2	21.4
3 2	13 11.98	+24 10.5	2.048	2.898	12.0	21.3
3 12	13 1.62	+24 38.3	2.008	2.906	10.1	21.2
3 22	12 49.50	+24 47.3	1.994	2.914	9.1	21.1
4 1	12 36.70	+24 31.9	2.008	2.922	9.6	21.2
4 11	12 24.44	+23 49.9	2.050	2.929	11.2	21.3
4 21	12 13.72	+22 43.2	2.117	2.936	13.4	21.4
5 1	12 5.27	+21 15.8	2.207	2.942	15.5	21.6
150542	2000 SW_{157}		3 30.9	168.°72	1.°4/ 1.8	18
2 21	13 0.12	−11 42.1	2.985	3.730	11.2	21.9
3 2	12 56.21	−11 26.1	2.887	3.734	9.0	21.8
3 12	12 50.82	−10 58.2	2.812	3.737	6.4	21.6
3 22	12 44.34	−10 20.2	2.764	3.740	3.6	21.4
4 1	12 37.33	− 9 34.5	2.746	3.742	1.4	21.2
4 11	12 30.38	− 8 45.1	2.758	3.744	3.2	21.4
4 21	12 24.09	− 7 56.1	2.800	3.746	6.0	21.6
5 1	12 18.94	− 7 11.3	2.868	3.747	8.6	21.7

258151 2001 SX_{11} 3 30.9 97.°08 1.°3/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.76	− 4 12.7	2.046	2.833	14.3	21.6
3 2	13 0.22	− 3 20.4	1.982	2.861	11.1	21.5
3 12	12 53.67	− 2 16.3	1.942	2.888	7.4	21.3
3 22	12 45.71	− 1 5.4	1.928	2.914	3.4	21.1
4 1	12 37.17	+ 0 5.9	1.943	2.940	1.6	21.0
4 11	12 28.97	+ 1 11.1	1.988	2.966	5.2	21.3
4 21	12 21.89	+ 2 4.8	2.061	2.990	8.8	21.5
5 1	12 16.54	+ 2 43.5	2.158	3.014	12.0	21.8

246429 2007 VY_{84} 3 30.9 131.°34 1.°2/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.98	− 1 34.2	2.754	3.535	11.2	21.3
3 2	12 58.41	− 1 9.6	2.673	3.548	8.7	21.2
3 12	12 52.28	− 0 38.1	2.617	3.561	5.8	21.0
3 22	12 45.03	− 0 3.0	2.588	3.574	2.7	20.8
4 1	12 37.25	+ 0 32.2	2.590	3.586	1.4	20.7
4 11	12 29.64	+ 1 3.5	2.622	3.598	4.2	21.0
4 21	12 22.80	+ 1 27.7	2.683	3.609	7.2	21.2
5 1	12 17.23	+ 1 42.5	2.770	3.620	9.8	21.3

8459 Larsbergknut 3 30.9 134.°57 0.°5/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.57	− 4 53.4	2.772	3.547	11.2	19.5
3 2	12 56.58	− 4 22.3	2.687	3.558	8.8	19.3
3 12	12 51.07	− 3 42.0	2.626	3.568	5.9	19.1
3 22	12 44.46	− 2 55.5	2.593	3.579	2.8	18.9
4 1	12 37.33	− 2 6.6	2.590	3.588	0.8	18.8
4 11	12 30.33	− 1 19.8	2.617	3.598	3.8	19.0
4 21	12 24.06	− 0 38.8	2.673	3.607	6.9	19.2
5 1	12 19.01	− 0 6.7	2.755	3.615	9.5	19.4

351466 2005 NZ_{65} 3 30.9 191.°57 5.°1/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.22	−24 9.7	2.898	3.570	12.9	21.8
3 2	12 58.11	−24 35.0	2.791	3.569	11.2	21.7
3 12	12 52.28	−24 44.0	2.704	3.567	9.1	21.5
3 22	12 45.12	−24 35.6	2.642	3.565	7.0	21.4
4 1	12 37.24	−24 10.1	2.606	3.563	5.4	21.3
4 11	12 29.36	−23 29.8	2.599	3.560	5.3	21.3
4 21	12 22.18	−22 38.8	2.620	3.557	6.8	21.4
5 1	12 16.31	−21 42.3	2.668	3.554	8.9	21.5

216396 2008 DF_{65} 3 30.9 289.°68 6.°4/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.65	+13 59.5	2.332	3.148	11.8	19.8
3 2	12 57.16	+15 8.7	2.245	3.132	9.6	19.7
3 12	12 51.75	+16 17.7	2.183	3.116	7.5	19.5
3 22	12 44.90	+17 19.6	2.147	3.100	6.4	19.4
4 1	12 37.27	+18 7.8	2.138	3.084	7.2	19.4
4 11	12 29.70	+18 37.1	2.156	3.068	9.3	19.5
4 21	12 22.96	+18 44.9	2.199	3.053	11.7	19.6
5 1	12 17.70	+18 30.9	2.263	3.037	14.1	19.8

3560 Chenqian 3 30.9 165.°27 2.°9/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.84	−15 24.2	2.626	3.355	12.9	16.4
3 2	12 58.61	−15 35.0	2.528	3.358	10.6	16.2
3 12	12 52.61	−15 31.9	2.451	3.361	8.0	16.0
3 22	12 45.27	−15 15.1	2.400	3.364	5.1	15.9
4 1	12 37.23	−14 46.3	2.378	3.366	3.0	15.7
4 11	12 29.25	−14 8.9	2.385	3.368	4.0	15.8
4 21	12 22.04	−13 27.4	2.421	3.370	6.7	16.0
5 1	12 16.21	−12 46.6	2.484	3.371	9.5	16.1

188454 2004 JK_5 3 30.9 288.°15 7.°1/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.55	−23 52.1	1.872	2.584	18.0	19.8
3 2	12 58.86	−24 23.8	1.753	2.559	15.7	19.5
3 12	12 53.56	−24 31.9	1.652	2.534	12.9	19.3
3 22	12 46.05	−24 13.0	1.572	2.508	9.9	19.0
4 1	12 37.11	−23 25.6	1.516	2.483	7.5	18.8
4 11	12 27.91	−22 12.9	1.486	2.457	7.4	18.8
4 21	12 19.64	−20 41.9	1.481	2.431	9.9	18.8
5 1	12 13.38	−19 2.9	1.501	2.405	13.4	19.0

196242 2003 CV_{21} 3 30.9 101.°19 0.°2/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.52	− 7 11.3	1.512	2.307	18.1	21.1
3 2	13 2.46	− 6 36.3	1.445	2.325	14.3	20.8
3 12	12 55.65	− 5 43.2	1.397	2.343	9.7	20.6
3 22	12 46.81	− 4 36.7	1.374	2.360	4.6	20.4
4 1	12 37.05	− 3 24.0	1.378	2.377	0.7	20.1
4 11	12 27.67	− 2 14.1	1.409	2.393	5.8	20.5
4 21	12 19.78	− 1 14.9	1.466	2.409	10.6	20.8
5 1	12 14.19	− 0 32.2	1.546	2.425	14.6	21.1

10582 Harumi 3 30.9 183.°53 3.°7/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.31	+ 7 58.9	2.857	3.657	10.3	18.5
3 2	12 57.92	+ 8 42.1	2.773	3.657	8.1	18.3
3 12	12 51.98	+ 9 27.1	2.714	3.657	5.7	18.1
3 22	12 44.91	+10 9.6	2.683	3.656	3.9	18.0
4 1	12 37.29	+10 45.1	2.682	3.655	4.1	18.0
4 11	12 29.78	+11 9.9	2.710	3.654	6.1	18.2
4 21	12 22.99	+11 21.6	2.766	3.652	8.5	18.3
5 1	12 17.42	+11 19.1	2.846	3.650	10.8	18.5

463474 2013 PD_{50} 3 30.9 206.°59 4.°7/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.24	−19 43.4	2.281	2.992	15.1	22.2
3 2	13 0.96	−20 4.0	2.175	2.987	12.8	22.0
3 12	12 54.48	−20 6.6	2.089	2.982	10.0	21.8
3 22	12 46.28	−19 49.9	2.027	2.976	7.1	21.6
4 1	12 37.11	−19 14.7	1.992	2.969	4.9	21.5
4 11	12 27.91	−18 24.6	1.985	2.961	5.3	21.5
4 21	12 19.60	−17 25.2	2.007	2.954	7.9	21.6
5 1	12 12.97	−16 23.4	2.054	2.945	11.0	21.8

363503 2003 UT_{15} 3 30.9 149.°74 1.°7/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.39	−12 10.5	1.840	2.608	16.3	21.0
3 2	12 59.73	−11 46.0	1.754	2.614	13.2	20.8
3 12	12 53.72	−11 1.9	1.687	2.620	9.4	20.5
3 22	12 45.90	−10 0.4	1.646	2.625	5.2	20.3
4 1	12 37.17	− 8 46.5	1.632	2.629	1.7	20.1
4 11	12 28.59	− 7 27.6	1.646	2.634	4.7	20.3
4 21	12 21.15	− 6 11.7	1.688	2.637	8.9	20.5
5 1	12 15.62	− 5 6.0	1.754	2.641	12.7	20.8

44547 1999 BC_3 3 30.9 121.°95 0.°3/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.94	− 5 44.7	2.763	3.541	11.2	19.1
3 2	12 54.62	− 5 13.6	2.671	3.543	8.8	19.0
3 12	12 49.81	− 4 32.6	2.603	3.545	5.9	18.8
3 22	12 43.89	− 3 44.5	2.562	3.547	2.8	18.6
4 1	12 37.42	− 2 53.1	2.550	3.549	0.6	18.4
4 11	12 31.05	− 2 2.9	2.569	3.551	3.8	18.7
4 21	12 25.34	− 1 17.9	2.615	3.553	6.8	18.9
5 1	12 20.81	− 0 41.7	2.688	3.555	9.5	19.0

304637 2006 VU_{155} 3 30.9 200.°16 1.°5/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.80	−11 9.3	2.985	3.729	11.2	22.3
3 2	12 57.57	−11 5.3	2.879	3.725	9.0	22.2
3 12	12 51.79	−10 50.3	2.796	3.721	6.5	22.0
3 22	12 44.86	−10 25.6	2.741	3.716	3.7	21.8
4 1	12 37.31	− 9 53.2	2.715	3.711	1.5	21.6
4 11	12 29.78	− 9 16.6	2.720	3.705	3.3	21.7
4 21	12 22.89	− 8 39.5	2.754	3.699	6.1	21.9
5 1	12 17.16	− 8 5.5	2.815	3.693	8.8	22.1

463467 2013 PX_{30} 3 30.9 279.°40 1.°7/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.68	− 2 28.9	1.737	2.541	15.7	21.5
3 2	13 0.36	− 2 0.1	1.632	2.520	12.5	21.2
3 12	12 54.46	− 1 18.1	1.549	2.498	8.5	20.9
3 22	12 46.42	− 0 26.9	1.490	2.477	4.1	20.6
4 1	12 37.10	+ 0 27.4	1.458	2.455	2.1	20.4
4 11	12 27.65	+ 1 17.3	1.453	2.433	6.5	20.6
4 21	12 19.22	+ 1 56.0	1.475	2.410	11.2	20.8
5 1	12 12.79	+ 2 18.5	1.518	2.388	15.4	21.0

433247 2012 VS_{96} 3 30.9 141.°25 4.°2/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.57	+ 8 27.2	2.584	3.391	11.1	21.3
3 2	12 57.48	+ 9 19.5	2.509	3.397	8.7	21.1
3 12	12 51.74	+10 13.6	2.459	3.403	6.2	21.0
3 22	12 44.81	+11 4.4	2.437	3.409	4.4	20.9
4 1	12 37.32	+11 46.8	2.444	3.414	4.7	20.9
4 11	12 30.00	+12 16.4	2.479	3.420	6.8	21.1
4 21	12 23.47	+12 31.0	2.541	3.425	9.3	21.2
5 1	12 18.29	+12 29.4	2.626	3.429	11.6	21.4

167612 2004 CF_9 3 30.9 74.°35 1.°8/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.18	− 1 2.4	2.136	2.936	13.3	20.8
3 2	12 57.59	− 0 27.4	2.053	2.940	10.4	20.6
3 12	12 52.04	+ 0 16.6	1.994	2.943	6.9	20.4
3 22	12 45.03	+ 1 5.4	1.961	2.947	3.4	20.1
4 1	12 37.30	+ 1 53.7	1.956	2.951	2.2	20.1
4 11	12 29.72	+ 2 35.8	1.979	2.955	5.5	20.3
4 21	12 23.07	+ 3 7.3	2.030	2.958	9.0	20.5
5 1	12 17.99	+ 3 25.1	2.105	2.962	12.2	20.7

14048 1995 WS_7 3 30.9 9.°42 1.°0/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.80	− 4 40.3	1.261	2.083	19.5	17.9
3 2	13 0.29	− 4 16.9	1.187	2.084	15.4	17.6
3 12	12 54.65	− 3 35.5	1.131	2.084	10.5	17.3
3 22	12 46.54	− 2 40.7	1.098	2.086	5.0	17.0
4 1	12 37.11	− 1 40.6	1.089	2.087	1.5	16.8
4 11	12 27.89	− 0 44.9	1.105	2.089	7.0	17.1
4 21	12 20.24	− 0 2.0	1.144	2.092	12.4	17.4
5 1	12 15.18	+ 0 22.1	1.204	2.095	17.0	17.7

374057 2004 PN_{89} 3 30.9 210.°94 2.°0/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.44	− 1 56.9	2.525	3.312	11.9	21.8
3 2	12 57.56	− 0 51.0	2.424	3.305	9.2	21.6
3 12	12 51.94	+ 0 25.7	2.349	3.296	6.2	21.4
3 22	12 44.98	+ 1 48.7	2.301	3.287	3.1	21.2
4 1	12 37.32	+ 3 12.2	2.284	3.277	2.4	21.1
4 11	12 29.69	+ 4 29.7	2.298	3.266	5.4	21.3
4 21	12 22.80	+ 5 36.0	2.339	3.255	8.6	21.5
5 1	12 17.25	+ 6 27.2	2.407	3.243	11.5	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
40004	1998 HF_{94}		3 30.9	353.°84	2.°7/29.5	18
	h m	° ′			°	m
2 21	12 57.77	+ 1 47.8	1.051	1.907	20.1	17.7
3 2	12 56.96	+ 1 31.7	0.977	1.894	15.9	17.4
3 12	12 52.77	+ 1 23.1	0.921	1.883	10.9	17.1
3 22	12 45.78	+ 1 17.1	0.886	1.875	5.4	16.7
4 1	12 37.22	+ 1 7.5	0.872	1.869	3.1	16.6
4 11	12 28.77	+ 0 48.0	0.880	1.865	8.2	16.8
4 21	12 21.99	+ 0 14.5	0.909	1.865	13.8	17.1
5 1	12 18.06	− 0 34.8	0.958	1.867	18.7	17.4
39470	1978 UB_{7}		3 30.9	63.°30	0.°4/30.7	18
2 21	13 10.32	− 2 49.7	1.706	2.497	16.5	19.5
3 2	13 5.09	− 3 4.8	1.638	2.516	13.0	19.3
3 12	12 57.27	− 3 10.6	1.591	2.536	8.8	19.1
3 22	12 47.57	− 3 9.6	1.569	2.555	4.2	18.9
4 1	12 37.03	− 3 5.5	1.576	2.575	0.7	18.7
4 11	12 26.86	− 3 2.7	1.610	2.594	5.3	19.0
4 21	12 18.11	− 3 5.0	1.672	2.614	9.6	19.3
5 1	12 11.54	− 3 15.4	1.757	2.634	13.3	19.6
502466	2015 BW_{314}		3 30.9	215.°66	5.°3/23.9	17
2 21	13 0.49	+ 8 10.2	2.313	3.127	12.0	21.4
3 2	12 57.00	+ 9 46.1	2.229	3.121	9.4	21.2
3 12	12 51.64	+11 27.1	2.170	3.114	6.9	21.1
3 22	12 44.87	+13 5.9	2.140	3.107	5.3	21.0
4 1	12 37.36	+14 34.7	2.138	3.099	6.1	21.0
4 11	12 29.92	+15 46.6	2.164	3.091	8.4	21.1
4 21	12 23.30	+16 37.5	2.217	3.083	11.2	21.3
5 1	12 18.14	+17 5.7	2.291	3.074	13.7	21.4
378294	2007 EO_{157}		3 30.9	12.°84	0.°5/31.3	17
2 21	13 2.44	− 6 35.1	1.498	2.303	17.8	21.3
3 2	12 59.52	− 6 35.6	1.419	2.305	14.2	21.1
3 12	12 53.86	− 6 20.7	1.361	2.307	9.8	20.8
3 22	12 46.09	− 5 52.9	1.326	2.311	4.9	20.5
4 1	12 37.21	− 5 17.1	1.316	2.315	0.6	20.2
4 11	12 28.51	− 4 40.2	1.332	2.319	5.6	20.6
4 21	12 21.15	− 4 8.9	1.373	2.325	10.4	20.9
5 1	12 16.01	− 3 48.6	1.437	2.331	14.6	21.1
249662	1999 VP_{27}		3 30.9	158.°79	1.°1/ 1.0	17
2 21	13 5.76	−10 8.0	2.189	2.948	14.3	22.1
3 2	13 1.16	− 9 48.3	2.100	2.957	11.5	21.9
3 12	12 54.47	− 9 13.9	2.032	2.964	8.1	21.7
3 22	12 46.23	− 8 26.6	1.991	2.971	4.3	21.4
4 1	12 37.20	− 7 30.7	1.979	2.977	1.1	21.2
4 11	12 28.32	− 6 31.7	1.996	2.982	4.2	21.5
4 21	12 20.43	− 5 35.7	2.042	2.987	8.0	21.7
5 1	12 14.21	− 4 47.7	2.114	2.990	11.4	21.9
184216	2004 QV_{27}		3 30.9	69.°60	1.°7/ 1.7	18
2 21	13 0.90	−12 39.6	1.793	2.566	16.5	20.5
3 2	12 57.75	−12 10.1	1.717	2.581	13.3	20.3
3 12	12 52.33	−11 20.3	1.662	2.595	9.4	20.1
3 22	12 45.22	−10 13.2	1.631	2.610	5.2	19.9
4 1	12 37.33	− 8 54.1	1.628	2.625	1.7	19.7
4 11	12 29.68	− 7 31.1	1.652	2.640	4.6	19.9
4 21	12 23.20	− 6 12.1	1.703	2.655	8.7	20.2
5 1	12 18.58	− 5 4.3	1.778	2.670	12.4	20.4
307988	2004 RL_{1}		3 30.9	199.°40	6.°5/23.1	17
2 21	13 2.51	+ 6 2.4	1.782	2.604	14.7	20.7
3 2	12 59.17	+ 8 25.3	1.704	2.601	11.5	20.4
3 12	12 53.43	+10 59.3	1.650	2.597	8.3	20.2
3 22	12 45.84	+13 33.0	1.625	2.593	6.6	20.1
4 1	12 37.26	+15 53.5	1.629	2.589	7.8	20.2
4 11	12 28.78	+17 49.7	1.660	2.583	10.8	20.3
4 21	12 21.41	+19 14.8	1.716	2.577	14.1	20.5
5 1	12 15.96	+20 6.9	1.793	2.571	17.2	20.7
455599	2004 TE_{47}		3 30.9	92.°09	1.°3/ 1.1	18
2 21	13 5.24	−11 21.5	1.583	2.362	18.1	21.6
3 2	13 1.37	−10 52.0	1.514	2.383	14.5	21.4
3 12	12 54.88	−10 1.5	1.466	2.403	10.1	21.2
3 22	12 46.47	− 8 53.3	1.442	2.423	5.3	21.0
4 1	12 37.20	− 7 33.9	1.444	2.443	1.3	20.7
4 11	12 28.29	− 6 12.2	1.474	2.462	5.1	21.0
4 21	12 20.80	− 4 57.0	1.531	2.481	9.7	21.3
5 1	12 15.51	− 3 55.4	1.611	2.499	13.6	21.6
338325	2002 VZ_{110}		3 30.9	219.°22	4.°1/ 5.0	18
2 21	13 1.75	−20 35.1	2.727	3.427	13.1	21.1
3 2	12 57.86	−20 40.8	2.614	3.419	11.1	20.9
3 12	12 52.19	−20 29.8	2.522	3.410	8.7	20.8
3 22	12 45.15	−20 1.6	2.454	3.400	6.2	20.6
4 1	12 37.35	−19 17.4	2.415	3.390	4.3	20.4
4 11	12 29.53	−18 20.6	2.404	3.380	4.6	20.4
4 21	12 22.42	−17 16.1	2.422	3.369	6.8	20.6
5 1	12 16.64	−16 9.6	2.468	3.358	9.4	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
191898	2005 AJ_{79}		3 30.9	183.°62	0.°6/30.3	17
	h m	° ′			°	m
2 21	13 2.48	− 4 26.3	2.305	3.089	13.0	21.1
3 2	12 58.51	− 4 1.7	2.213	3.089	10.2	20.9
3 12	12 52.65	− 3 26.5	2.145	3.089	6.9	20.7
3 22	12 45.36	− 2 43.9	2.102	3.088	3.3	20.5
4 1	12 37.33	− 1 58.2	2.089	3.088	0.9	20.3
4 11	12 29.40	− 1 14.6	2.105	3.087	4.6	20.6
4 21	12 22.32	− 0 37.7	2.149	3.086	8.1	20.8
5 1	12 16.74	− 0 11.2	2.219	3.084	11.3	21.0
63887	2001 SH_{3}		3 30.9	21.°39	0.°7/30.4	18
2 21	13 5.08	− 2 10.4	1.868	2.665	15.1	17.5
3 2	13 0.95	− 2 18.7	1.787	2.670	11.8	17.3
3 12	12 54.49	− 2 18.7	1.729	2.676	8.0	17.1
3 22	12 46.29	− 2 13.0	1.696	2.682	3.8	16.8
4 1	12 37.22	− 2 5.4	1.691	2.689	1.0	16.6
4 11	12 28.34	− 2 0.1	1.713	2.696	5.2	17.0
4 21	12 20.59	− 2 0.9	1.763	2.704	9.2	17.2
5 1	12 14.73	− 2 10.5	1.836	2.713	12.8	17.4
214567	2006 QK_{16}		3 30.9	249.°74	3.°6/ 2.9	18
2 21	13 7.95	−14 38.5	2.042	2.782	15.8	20.8
3 2	13 3.51	−15 2.2	1.924	2.762	13.2	20.6
3 12	12 56.53	−15 10.0	1.827	2.742	9.9	20.3
3 22	12 47.46	−15 0.8	1.754	2.721	6.4	20.1
4 1	12 37.06	−14 35.3	1.709	2.699	3.7	19.9
4 11	12 26.43	−13 57.3	1.693	2.676	5.2	19.9
4 21	12 16.69	−13 12.3	1.704	2.653	8.9	20.1
5 1	12 8.80	−12 27.2	1.741	2.629	12.8	20.3
138686	2000 SK_{50}		3 30.9	209.°26	0.°4/31.4	18
2 21	12 58.73	− 8 55.0	2.592	3.360	12.1	20.3
3 2	12 55.42	− 8 17.5	2.493	3.357	9.6	20.1
3 12	12 50.47	− 7 26.8	2.417	3.354	6.6	19.9
3 22	12 44.29	− 6 25.6	2.368	3.350	3.3	19.7
4 1	12 37.47	− 5 18.0	2.348	3.347	0.4	19.5
4 11	12 30.71	− 4 9.4	2.358	3.343	3.8	19.7
4 21	12 24.67	− 3 4.9	2.397	3.339	7.1	19.9
5 1	12 19.90	− 2 9.3	2.462	3.335	10.1	20.1
65193	2002 CA_{263}		3 30.9	318.°70	3.°5/27.4	18
2 21	13 4.50	+ 6 25.1	2.378	3.180	12.1	19.4
3 2	12 59.98	+ 6 46.3	2.292	3.178	9.4	19.2
3 12	12 53.58	+ 7 9.7	2.230	3.176	6.5	19.0
3 22	12 45.78	+ 7 31.1	2.195	3.174	4.0	18.9
4 1	12 37.29	+ 7 46.1	2.188	3.172	3.9	18.9
4 11	12 28.93	+ 7 50.8	2.211	3.170	6.3	19.0
4 21	12 21.45	+ 7 43.0	2.261	3.168	9.3	19.2
5 1	12 15.47	+ 7 21.7	2.336	3.167	12.0	19.4
502911	2015 EK_{15}		3 30.9	14.°83	0.°7/31.5	17
2 21	13 4.77	− 6 10.6	1.757	2.547	16.1	20.7
3 2	13 0.95	− 6 23.0	1.672	2.549	12.9	20.5
3 12	12 54.65	− 6 23.2	1.609	2.551	8.9	20.3
3 22	12 46.43	− 6 13.1	1.570	2.554	4.5	20.0
4 1	12 37.21	− 5 56.2	1.558	2.557	0.7	19.7
4 11	12 28.12	− 5 37.3	1.573	2.560	5.0	20.0
4 21	12 20.20	− 5 21.4	1.615	2.564	9.3	20.3
5 1	12 14.28	− 5 13.1	1.681	2.568	13.2	20.5
141476	2002 CD_{241}		3 30.9	207.°58	2.°2/ 1.9	18
2 21	13 3.73	−11 37.5	2.047	2.808	15.1	20.0
3 2	12 59.87	−11 43.1	1.951	2.807	12.3	19.8
3 12	12 53.79	−11 33.5	1.877	2.805	8.9	19.6
3 22	12 45.99	−11 9.5	1.828	2.804	5.1	19.4
4 1	12 37.26	−10 33.9	1.806	2.802	2.2	19.2
4 11	12 28.59	− 9 51.6	1.813	2.800	4.4	19.3
4 21	12 20.89	− 9 8.2	1.847	2.797	8.2	19.5
5 1	12 14.93	− 8 29.4	1.906	2.795	11.8	19.7
18641	1998 EG_{10}		3 30.9	131.°12	4.°2/ 3.5	18 R
2 21	13 6.93	−16 15.3	1.760	2.506	17.8	18.0
3 2	13 2.74	−16 36.1	1.675	2.515	14.7	17.8
3 12	12 55.92	−16 36.8	1.609	2.523	11.1	17.6
3 22	12 47.06	−16 16.6	1.567	2.531	7.2	17.4
4 1	12 37.13	−15 37.5	1.551	2.538	4.4	17.3
4 11	12 27.35	−14 45.0	1.562	2.546	5.5	17.3
4 21	12 18.84	−13 46.4	1.600	2.552	9.1	17.6
5 1	12 12.46	−12 49.8	1.662	2.559	12.8	17.8
509301	2006 VH_{127}		3 30.9	217.°77	3.°9/ 5.8	17
2 21	13 1.12	−22 28.3	3.291	3.968	11.4	22.7
3 2	12 57.06	−22 30.2	3.171	3.957	9.8	22.5
3 12	12 51.49	−22 17.1	3.072	3.946	7.8	22.4
3 22	12 44.77	−21 48.6	2.999	3.934	5.7	22.2
4 1	12 37.43	−21 5.7	2.953	3.921	4.2	22.1
4 11	12 30.07	−20 11.0	2.938	3.908	4.2	22.1
4 21	12 23.29	−19 8.5	2.952	3.895	5.9	22.2
5 1	12 17.61	−18 3.1	2.994	3.880	8.1	22.3

270534 2002 GV_{88} 3 30.9 19.°86 6.°4/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.13	+ 7 59.2	1.674	2.507	14.9	19.8
3 2	12 56.56	+ 9 33.6	1.607	2.510	11.7	19.6
3 12	12 51.63	+11 13.4	1.564	2.514	8.5	19.5
3 22	12 44.95	+12 49.0	1.546	2.517	6.5	19.3
4 1	12 37.41	+14 10.3	1.555	2.522	7.3	19.4
4 11	12 30.10	+15 9.3	1.589	2.526	10.1	19.6
4 21	12 23.97	+15 41.8	1.646	2.531	13.4	19.8
5 1	12 19.74	+15 47.1	1.724	2.536	16.4	20.0

69634 1998 FH_{68} 3 30.9 14.°91 0.°1/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.90	− 5 27.8	1.275	2.094	19.5	19.0
3 2	13 0.34	− 5 25.4	1.203	2.097	15.5	18.8
3 12	12 54.68	− 5 6.3	1.149	2.100	10.6	18.5
3 22	12 46.58	− 4 33.8	1.117	2.104	5.2	18.2
4 1	12 37.22	− 3 54.1	1.110	2.109	0.7	17.9
4 11	12 28.09	− 3 15.5	1.127	2.114	6.4	18.3
4 21	12 20.53	− 2 45.3	1.168	2.121	11.7	18.6
5 1	12 15.53	− 2 29.3	1.230	2.128	16.3	18.9

498363 2007 VZ_{322} 3 30.9 153.°84 3.°8/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.36	−19 22.4	2.580	3.292	13.5	21.7
3 2	12 57.56	−19 27.2	2.482	3.297	11.3	21.6
3 12	12 51.97	−19 15.2	2.405	3.301	8.8	21.4
3 22	12 45.04	−18 46.3	2.353	3.305	6.1	21.2
4 1	12 37.41	−18 2.2	2.329	3.309	4.1	21.1
4 11	12 29.86	−17 6.9	2.334	3.312	4.4	21.1
4 21	12 23.11	−16 5.3	2.366	3.316	6.8	21.3
5 1	12 17.74	−15 3.3	2.426	3.318	9.5	21.5

477702 2010 RA_{141} 3 30.9 278.°37 2.°8/ 2.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.56	−12 57.9	2.540	3.279	13.1	21.5
3 2	13 0.22	−13 25.5	2.423	3.262	10.8	21.3
3 12	12 53.93	−13 41.4	2.328	3.244	8.0	21.1
3 22	12 46.07	−13 45.4	2.259	3.226	5.0	20.8
4 1	12 37.28	−13 38.6	2.218	3.208	2.9	20.7
4 11	12 28.37	−13 23.3	2.207	3.190	4.2	20.7
4 21	12 20.15	−13 3.4	2.225	3.172	7.2	20.9
5 1	12 13.34	−12 43.0	2.269	3.154	10.3	21.0

201701 2003 UD_{139} 3 30.9 179.°80 3.°4/27.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.27	+ 3 50.4	2.330	3.134	12.2	20.9
3 2	12 58.30	+ 4 42.7	2.246	3.135	9.5	20.7
3 12	12 52.47	+ 5 40.8	2.187	3.135	6.5	20.5
3 22	12 45.27	+ 6 39.5	2.154	3.135	3.9	20.3
4 1	12 37.39	+ 7 33.0	2.151	3.135	3.8	20.3
4 11	12 29.63	+ 8 15.9	2.177	3.135	6.5	20.5
4 21	12 22.73	+ 8 44.6	2.229	3.134	9.5	20.6
5 1	12 17.31	+ 8 56.9	2.305	3.133	12.3	20.8

498232 2007 UY_{41} 3 30.9 141.°01 2.°1/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.57	−14 8.9	2.785	3.520	12.1	23.5
3 2	12 57.46	−13 57.3	2.693	3.531	9.9	23.3
3 12	12 51.76	−13 32.2	2.624	3.541	7.2	23.2
3 22	12 44.89	−12 54.6	2.581	3.551	4.3	23.0
4 1	12 37.46	−12 7.3	2.568	3.561	2.1	22.9
4 11	12 30.14	−11 14.3	2.584	3.570	3.4	23.0
4 21	12 23.56	−10 20.1	2.630	3.578	6.2	23.1
5 1	12 18.24	− 9 29.4	2.703	3.586	8.9	23.3

58550 1997 GN_{19} 3 30.9 174.°87 1.°0/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.14	−12 34.6	2.871	3.618	11.5	19.8
3 2	12 54.78	−11 45.2	2.770	3.620	9.2	19.6
3 12	12 49.94	−10 41.2	2.694	3.621	6.5	19.4
3 22	12 44.02	− 9 25.1	2.644	3.622	3.5	19.2
4 1	12 37.56	− 8 0.7	2.625	3.623	1.0	19.0
4 11	12 31.18	− 6 33.5	2.637	3.623	3.3	19.2
4 21	12 25.47	− 5 8.9	2.679	3.623	6.3	19.4
5 1	12 20.91	− 3 52.0	2.748	3.623	9.1	19.6

343055 2009 CD_{12} 3 30.9 179.°62 4.°0/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.21	−19 10.1	2.720	3.425	13.0	21.3
3 2	12 58.95	−19 27.8	2.617	3.426	11.0	21.1
3 12	12 52.90	−19 30.3	2.535	3.427	8.5	21.0
3 22	12 45.51	−19 17.2	2.479	3.427	6.0	20.8
4 1	12 37.38	−18 49.5	2.450	3.427	4.1	20.7
4 11	12 29.29	−18 10.3	2.451	3.427	4.5	20.7
4 21	12 21.94	−17 23.8	2.480	3.426	6.7	20.8
5 1	12 15.94	−16 35.3	2.536	3.424	9.2	21.0

63328 2001 FU_{54} 3 30.9 312.°02 1.°5/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.58	− 3 47.3	1.443	2.262	17.7	19.6
3 2	12 58.40	− 3 17.4	1.350	2.246	14.0	19.3
3 12	12 53.39	− 2 30.8	1.276	2.229	9.5	19.0
3 22	12 46.04	− 1 31.7	1.226	2.214	4.5	18.7
4 1	12 37.32	− 0 27.5	1.201	2.198	1.9	18.4
4 11	12 28.55	+ 0 32.5	1.201	2.184	7.0	18.7
4 21	12 21.00	+ 1 19.9	1.225	2.169	12.1	19.0
5 1	12 15.73	+ 1 48.6	1.271	2.156	16.7	19.2

375892 2009 VQ_{82} 3 30.9 128.°92 2.°3/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.52	−14 20.6	2.241	2.987	14.4	22.0
3 2	12 58.62	−14 2.4	2.154	2.998	11.7	21.9
3 12	12 52.75	−13 26.8	2.089	3.010	8.5	21.7
3 22	12 45.44	−12 35.6	2.049	3.021	5.1	21.5
4 1	12 37.42	−11 32.3	2.037	3.031	2.3	21.3
4 11	12 29.56	−10 22.7	2.055	3.041	4.0	21.4
4 21	12 22.65	− 9 13.0	2.101	3.051	7.4	21.7
5 1	12 17.32	− 8 9.2	2.173	3.060	10.6	21.9

217026 2001 OB_{56} 3 30.9 192.°87 3.°1/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.03	−15 52.4	2.235	2.971	14.7	21.0
3 2	12 59.97	−15 51.9	2.134	2.969	12.2	20.8
3 12	12 53.80	−15 33.9	2.054	2.967	9.1	20.6
3 22	12 46.01	−14 58.7	1.999	2.965	5.8	20.4
4 1	12 37.34	−14 8.7	1.972	2.961	3.3	20.3
4 11	12 28.71	−13 8.6	1.973	2.958	4.4	20.3
4 21	12 20.98	−12 4.7	2.003	2.953	7.7	20.5
5 1	12 14.88	−11 3.3	2.059	2.949	11.0	20.7

16756 1996 RQ_{11} 3 30.9 279.°89 0.°7/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.68	− 4 46.5	1.824	2.621	15.4	18.5
3 2	12 59.40	− 4 24.8	1.724	2.606	12.2	18.3
3 12	12 53.71	− 3 49.4	1.645	2.592	8.4	18.0
3 22	12 46.08	− 3 3.6	1.591	2.577	4.0	17.7
4 1	12 37.33	− 2 12.5	1.564	2.563	1.0	17.5
4 11	12 28.55	− 1 22.9	1.565	2.548	5.6	17.8
4 21	12 20.77	− 0 41.2	1.592	2.534	10.0	18.0
5 1	12 14.87	− 0 12.6	1.643	2.519	14.0	18.2

456749 2007 TN_{52} 3 30.9 233.°80 1.°0/30.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.49	− 3 14.4	1.768	2.561	15.9	22.1
3 2	13 3.23	− 3 0.8	1.671	2.552	12.6	21.9
3 12	12 56.35	− 2 35.4	1.596	2.542	8.6	21.6
3 22	12 47.36	− 2 1.5	1.546	2.532	4.1	21.3
4 1	12 37.18	− 1 24.2	1.524	2.522	1.3	21.1
4 11	12 27.00	− 0 49.8	1.529	2.511	5.9	21.4
4 21	12 17.95	− 0 23.9	1.561	2.500	10.5	21.6
5 1	12 10.96	− 0 11.0	1.617	2.488	14.5	21.8

506689 2006 TW_{49} 3 30.9 148.°13 2.°3/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.60	+ 3 16.8	2.969	3.759	10.2	22.0
3 2	12 58.06	+ 3 48.4	2.888	3.768	7.9	21.8
3 12	12 52.06	+ 4 23.9	2.831	3.777	5.3	21.7
3 22	12 45.02	+ 4 59.8	2.803	3.785	3.0	21.5
4 1	12 37.48	+ 5 32.2	2.805	3.793	2.7	21.5
4 11	12 30.08	+ 5 57.7	2.838	3.800	4.9	21.7
4 21	12 23.38	+ 6 13.8	2.899	3.807	7.4	21.9
5 1	12 17.86	+ 6 18.8	2.985	3.814	9.7	22.0

147956 1993 TG_{11} 3 30.9 214.°55 1.°0/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.71	− 9 50.9	2.260	3.023	13.8	21.1
3 2	12 59.67	− 9 30.7	2.156	3.015	11.1	20.9
3 12	12 53.58	− 8 55.9	2.074	3.007	7.8	20.6
3 22	12 45.91	− 8 8.3	2.018	2.998	4.1	20.4
4 1	12 37.37	− 7 11.6	1.990	2.989	1.0	20.1
4 11	12 28.83	− 6 11.4	1.993	2.979	4.2	20.3
4 21	12 21.15	− 5 13.6	2.023	2.968	8.0	20.6
5 1	12 15.02	− 4 23.6	2.080	2.957	11.5	20.7

364653 2007 TL_{163} 3 30.9 144.°15 0.°7/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.71	− 4 10.0	1.774	2.564	16.0	21.2
3 2	13 3.17	− 3 55.0	1.693	2.571	12.6	20.9
3 12	12 56.12	− 3 27.6	1.633	2.578	8.6	20.7
3 22	12 47.16	− 2 51.5	1.598	2.584	4.1	20.5
4 1	12 37.24	− 2 11.7	1.592	2.590	1.0	20.2
4 11	12 27.51	− 1 34.6	1.613	2.596	5.5	20.6
4 21	12 19.02	− 1 5.5	1.661	2.601	9.9	20.8
5 1	12 12.59	− 0 48.7	1.733	2.605	13.7	21.1

141915 2002 PX_{80} 3 30.9 120.°35 2.°6/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.58	− 0 27.0	1.766	2.572	15.4	20.3
3 2	13 0.66	+ 0 20.8	1.692	2.581	12.0	20.1
3 12	12 54.36	+ 1 19.4	1.640	2.590	8.0	19.9
3 22	12 46.28	+ 2 23.0	1.613	2.599	4.0	19.7
4 1	12 37.35	+ 3 24.4	1.614	2.607	3.1	19.6
4 11	12 28.66	+ 4 16.2	1.643	2.615	6.7	19.9
4 21	12 21.18	+ 4 53.1	1.698	2.623	10.7	20.1
5 1	12 15.65	+ 5 12.0	1.775	2.630	14.2	20.4

162632 2000 SA_{147} 3 30.9 124.°46 0.°7/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.20	− 9 23.6	1.754	2.533	16.6	20.7
3 2	13 1.22	− 8 55.3	1.676	2.545	13.2	20.5
3 12	12 54.77	− 8 9.1	1.618	2.557	9.2	20.3
3 22	12 46.50	− 7 8.3	1.586	2.569	4.7	20.1
4 1	12 37.34	− 5 58.5	1.581	2.580	0.7	19.8
4 11	12 28.41	− 4 47.5	1.604	2.590	5.0	20.1
4 21	12 20.73	− 3 42.9	1.654	2.600	9.4	20.4
5 1	12 15.05	− 2 50.7	1.728	2.610	13.2	20.6

92348 2000 GH_{168} 3 30.9 279.°57 2.°7/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.54	− 1 20.8	1.456	2.275	17.5	19.9
3 2	13 0.74	− 0 37.8	1.363	2.259	13.8	19.6
3 12	12 55.00	+ 0 20.6	1.290	2.244	9.4	19.3
3 22	12 46.85	+ 1 28.7	1.241	2.228	4.7	19.0
4 1	12 37.28	+ 2 38.0	1.217	2.212	3.3	18.9
4 11	12 27.65	+ 3 38.8	1.219	2.196	7.9	19.1
4 21	12 19.28	+ 4 22.8	1.246	2.180	12.9	19.3
5 1	12 13.26	+ 4 44.9	1.293	2.164	17.4	19.6

83344 2001 RU_{139} 3 30.9 69.°03 1.°1/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.76	− 3 20.1	2.133	2.925	13.6	19.6
3 2	12 57.97	− 2 49.2	2.062	2.943	10.6	19.4
3 12	12 52.27	− 2 8.1	2.013	2.960	7.1	19.2
3 22	12 45.20	− 1 20.9	1.991	2.978	3.3	19.0
4 1	12 37.51	− 0 32.5	1.998	2.995	1.4	18.9
4 11	12 30.05	+ 0 11.4	2.033	3.013	4.9	19.1
4 21	12 23.58	+ 0 46.5	2.096	3.030	8.4	19.4
5 1	12 18.68	+ 1 9.6	2.183	3.048	11.5	19.6

145446 2005 RN_{10} 3 30.9 248.°71 0.°2/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 58.22	− 8 26.2	2.763	3.530	11.5	20.5
3 2	12 55.01	− 7 25.9	2.650	3.516	9.1	20.3
3 12	12 50.22	− 6 11.5	2.561	3.501	6.2	20.0
3 22	12 44.24	− 4 46.0	2.501	3.485	3.0	19.8
4 1	12 37.61	− 3 14.3	2.470	3.469	0.5	19.6
4 11	12 30.98	− 1 42.3	2.471	3.453	3.9	19.8
4 21	12 24.98	− 0 15.8	2.501	3.437	7.2	20.0
5 1	12 20.15	+ 1 0.0	2.558	3.420	10.1	20.2

215840 2005 CP_{35} 3 30.9 344.°51 2.°2/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.10	− 2 18.3	1.261	2.094	18.9	20.3
3 2	12 58.28	− 1 49.3	1.182	2.086	14.9	20.0
3 12	12 53.41	− 1 4.2	1.123	2.079	10.1	19.7
3 22	12 46.08	− 0 8.7	1.085	2.073	4.8	19.4
4 1	12 37.39	+ 0 49.0	1.072	2.068	2.6	19.2
4 11	12 28.81	+ 1 38.8	1.082	2.064	7.7	19.5
4 21	12 21.70	+ 2 12.8	1.116	2.061	12.9	19.8
5 1	12 17.09	+ 2 26.0	1.170	2.059	17.5	20.0

85563 1998 BF_7 3 30.9 142.°28 14.°3/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.92	+21 16.7	1.279	2.115	18.5	18.9
3 2	13 3.63	+24 39.9	1.241	2.124	15.9	18.8
3 12	12 56.95	+27 53.2	1.226	2.133	14.4	18.7
3 22	12 47.69	+30 37.4	1.234	2.141	14.6	18.7
4 1	12 37.22	+32 36.6	1.265	2.148	16.3	18.8
4 11	12 27.20	+33 43.4	1.316	2.155	18.8	19.0
4 21	12 19.04	+33 59.1	1.384	2.160	21.3	19.2
5 1	12 13.71	+33 30.4	1.466	2.165	23.5	19.4

671 Carnegia 3 30.9 90.°97 0.°7/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 3.12	− 7 27.6	2.318	3.089	13.3	15.2
3 2	12 59.01	− 7 26.8	2.231	3.096	10.5	15.1
3 12	12 53.01	− 7 14.9	2.166	3.102	7.3	14.9
3 22	12 45.59	− 6 53.9	2.127	3.109	3.7	14.7
4 1	12 37.47	− 6 26.8	2.117	3.115	0.7	14.4
4 11	12 29.46	− 5 57.9	2.136	3.122	4.0	14.7
4 21	12 22.34	− 5 31.3	2.183	3.128	7.5	14.9
5 1	12 16.72	− 5 11.0	2.256	3.134	10.6	15.1

162558 2000 RF_{21} 3 30.9 132.°45 2.°7/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 6.20	−14 32.5	1.869	2.620	16.7	20.8
3 2	13 1.92	−14 23.3	1.786	2.633	13.6	20.6
3 12	12 55.23	−13 54.1	1.724	2.646	10.0	20.4
3 22	12 46.73	−13 6.2	1.686	2.658	6.0	20.2
4 1	12 37.34	−12 3.3	1.676	2.669	2.8	20.0
4 11	12 28.16	−10 52.3	1.694	2.680	4.7	20.2
4 21	12 20.18	− 9 40.6	1.739	2.690	8.6	20.4
5 1	12 14.17	− 8 35.7	1.810	2.700	12.3	20.7

129949 1999 TG_{213} 3 30.9 296.°80 1.°2/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 15.89	− 3 38.1	1.524	2.310	18.4	19.5
3 2	13 10.88	− 4 35.1	1.410	2.283	15.0	19.2
3 12	13 2.34	− 5 27.2	1.316	2.257	10.7	18.8
3 22	12 50.66	− 6 14.6	1.247	2.230	5.6	18.5
4 1	12 36.83	− 6 57.6	1.204	2.203	1.3	18.1
4 11	12 22.44	− 7 37.9	1.190	2.176	6.4	18.4
4 21	12 9.20	− 8 17.6	1.203	2.150	12.0	18.6
5 1	11 58.60	− 9 0.1	1.239	2.123	17.1	18.8

192198 2007 HJ_{12} 3 30.9 264.°08 0.°2/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.97	− 5 54.6	2.063	2.847	14.3	21.2
3 2	12 59.36	− 5 36.3	1.957	2.832	11.4	20.9
3 12	12 53.55	− 5 5.2	1.873	2.816	7.8	20.7
3 22	12 45.99	− 4 23.8	1.815	2.800	3.8	20.4
4 1	12 37.42	− 3 36.4	1.785	2.784	0.5	20.1
4 11	12 28.81	− 2 48.8	1.784	2.768	4.9	20.4
4 21	12 21.07	− 2 6.7	1.810	2.751	9.0	20.6
5 1	12 15.01	− 1 35.0	1.860	2.735	12.7	20.8

371710 2007 EO_{43} 3 30.9 70.°45 0.°5/31.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.88	− 6 16.1	1.814	2.599	15.9	20.9
3 2	13 1.75	− 6 20.7	1.730	2.604	12.6	20.7
3 12	12 55.17	− 6 12.9	1.668	2.609	8.7	20.5
3 22	12 46.74	− 5 54.8	1.631	2.614	4.4	20.2
4 1	12 37.35	− 5 30.1	1.621	2.620	0.6	19.9
4 11	12 28.11	− 5 4.1	1.639	2.625	4.9	20.3
4 21	12 20.05	− 4 41.9	1.684	2.630	9.2	20.5
5 1	12 13.95	− 4 27.9	1.752	2.636	13.0	20.8

287390 2002 VV_{62} 3 30.9 152.°31 2.°5/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.63	−15 7.5	2.669	3.401	12.7	21.3
3 2	12 57.65	−14 59.7	2.574	3.408	10.4	21.2
3 12	12 51.99	−14 37.2	2.501	3.414	7.7	21.0
3 22	12 45.08	−14 1.1	2.454	3.420	4.8	20.8
4 1	12 37.55	−13 13.8	2.435	3.426	2.5	20.7
4 11	12 30.10	−12 19.5	2.446	3.431	3.7	20.8
4 21	12 23.42	−11 23.0	2.487	3.436	6.5	21.0
5 1	12 18.06	−10 29.3	2.554	3.441	9.3	21.1

105916 2000 SJ_{207} 3 30.9 206.°45 0.°1/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.90	− 5 58.9	2.815	3.585	11.2	21.3
3 2	12 56.99	− 5 37.9	2.713	3.580	8.8	21.1
3 12	12 51.51	− 5 7.4	2.636	3.576	6.0	20.9
3 22	12 44.85	− 4 29.7	2.586	3.571	2.9	20.7
4 1	12 37.58	− 3 48.0	2.566	3.565	0.4	20.5
4 11	12 30.35	− 3 6.6	2.576	3.560	3.7	20.8
4 21	12 23.77	− 2 29.1	2.615	3.553	6.8	20.9
5 1	12 18.40	− 1 59.1	2.681	3.547	9.6	21.1

375916 2009 WF_{28} 3 30.9 87.°51 2.°0/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.90	−12 24.0	1.953	2.716	15.7	21.3
3 2	12 59.19	−12 12.7	1.874	2.730	12.6	21.1
3 12	12 53.29	−11 43.9	1.816	2.745	9.1	20.9
3 22	12 45.77	−10 59.6	1.782	2.759	5.1	20.7
4 1	12 37.48	−10 3.7	1.776	2.773	2.0	20.5
4 11	12 29.39	− 9 2.4	1.799	2.786	4.4	20.7
4 21	12 22.40	− 8 2.5	1.849	2.800	8.2	20.9
5 1	12 17.19	− 7 9.9	1.923	2.813	11.7	21.2

383670 2007 TQ_{175} 3 30.9 122.°86 2.°1/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 0.14	−14 54.1	2.510	3.250	13.2	21.5
3 2	12 56.57	−14 27.7	2.420	3.261	10.7	21.4
3 12	12 51.28	−13 44.9	2.353	3.271	7.8	21.2
3 22	12 44.75	−12 47.6	2.311	3.282	4.7	21.0
4 1	12 37.61	−11 39.1	2.298	3.292	2.2	20.8
4 11	12 30.60	−10 24.9	2.315	3.301	3.6	21.0
4 21	12 24.41	− 9 10.8	2.360	3.311	6.7	21.2
5 1	12 19.58	− 8 2.3	2.433	3.320	9.6	21.4

160289 2003 BM_{66} 3 30.9 6.°31 1.°9/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 59.54	− 2 58.6	1.422	2.246	17.6	19.7
3 2	12 57.39	− 2 21.0	1.347	2.246	13.8	19.5
3 12	12 52.52	− 1 27.9	1.292	2.247	9.3	19.2
3 22	12 45.55	− 0 25.0	1.260	2.248	4.4	19.0
4 1	12 37.50	+ 0 39.6	1.254	2.251	2.4	18.8
4 11	12 29.65	+ 1 36.8	1.273	2.254	6.9	19.1
4 21	12 23.13	+ 2 19.3	1.316	2.258	11.7	19.4
5 1	12 18.82	+ 2 42.4	1.381	2.263	15.8	19.6

171820 2001 FT_{12} 3 30.9 42.°64 2.°2/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 2.00	− 2 53.2	1.344	2.168	18.5	19.3
3 2	12 59.32	− 2 8.1	1.281	2.179	14.4	19.0
3 12	12 53.78	− 1 7.3	1.237	2.192	9.6	18.8
3 22	12 46.12	+ 0 2.6	1.217	2.205	4.6	18.5
4 1	12 37.45	+ 1 12.6	1.222	2.218	2.6	18.4
4 11	12 29.14	+ 2 13.1	1.252	2.232	7.2	18.8
4 21	12 22.34	+ 2 56.8	1.307	2.246	11.9	19.1
5 1	12 17.89	+ 3 19.7	1.382	2.261	16.0	19.3

318352 2004 TJ_{318} 3 30.9 259.°73 1.°4/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 1.41	−10 55.3	1.999	2.770	15.1	21.0
3 2	12 58.18	−10 39.9	1.899	2.763	12.2	20.7
3 12	12 52.75	−10 7.7	1.821	2.755	8.7	20.5
3 22	12 45.60	− 9 20.4	1.767	2.747	4.8	20.2
4 1	12 37.50	− 8 21.8	1.741	2.739	1.5	20.0
4 11	12 29.42	− 7 18.2	1.744	2.731	4.5	20.2
4 21	12 22.27	− 6 16.4	1.773	2.723	8.5	20.4
5 1	12 16.83	− 5 22.5	1.827	2.715	12.3	20.6

94010 2000 XJ_{27} 3 30.9 203.°75 4.°9/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	13 5.26	−20 54.7	2.468	3.166	14.4	20.0
3 2	13 0.87	−21 20.9	2.360	3.162	12.2	19.8
3 12	12 54.43	−21 30.0	2.273	3.157	9.7	19.6
3 22	12 46.38	−21 20.8	2.210	3.152	7.1	19.4
4 1	12 37.41	−20 53.6	2.175	3.146	5.1	19.3
4 11	12 28.41	−20 11.3	2.167	3.139	5.4	19.3
4 21	12 20.23	−19 18.9	2.188	3.132	7.5	19.4
5 1	12 13.60	−18 22.5	2.236	3.125	10.3	19.6

162165 1999 FT_{43} 3 30.9 19.°14 1.°3/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.82	− 2 46.6	1.803	2.609	15.2	19.3
3 2	12 57.74	− 2 23.7	1.725	2.614	11.8	19.1
3 12	12 52.41	− 1 49.5	1.669	2.619	8.0	18.9
3 22	12 45.39	− 1 8.2	1.637	2.624	3.8	18.6
4 1	12 37.54	− 0 25.3	1.633	2.630	1.6	18.5
4 11	12 29.86	+ 0 12.9	1.656	2.637	5.6	18.8
4 21	12 23.28	+ 0 41.3	1.705	2.644	9.6	19.0
5 1	12 18.51	+ 0 56.1	1.777	2.652	13.2	19.2

293071 2006 WL_{167} 3 30.9 256.°12 2.°0/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.62	+ 0 3.8	2.424	3.221	12.0	21.3
3 2	12 57.02	+ 0 37.4	2.333	3.218	9.3	21.1
3 12	12 51.65	+ 1 18.4	2.266	3.214	6.3	20.9
3 22	12 44.97	+ 2 3.0	2.225	3.211	3.1	20.7
4 1	12 37.60	+ 2 46.5	2.213	3.207	2.3	20.6
4 11	12 30.31	+ 3 24.1	2.231	3.203	5.2	20.8
4 21	12 23.81	+ 3 51.8	2.276	3.200	8.4	21.0
5 1	12 18.67	+ 4 7.0	2.345	3.196	11.3	21.2

174328 2002 TC_{132} 3 30.9 242.°49 2.°8/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.27	−12 43.7	1.848	2.609	16.5	20.5
3 2	13 1.50	−12 56.0	1.747	2.601	13.5	20.3
3 12	12 55.20	−12 51.2	1.667	2.593	10.0	20.0
3 22	12 46.88	−12 29.3	1.611	2.584	6.0	19.8
4 1	12 37.38	−11 52.7	1.581	2.575	2.9	19.5
4 11	12 27.84	−11 6.5	1.579	2.566	5.0	19.7
4 21	12 19.35	−10 17.3	1.604	2.557	9.1	19.9
5 1	12 12.83	− 9 32.0	1.654	2.547	13.0	20.1

4438 Sykes 3 30.9 204.°81 3.°5/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.11	+ 8 23.1	3.138	3.934	9.6	17.8
3 2	12 57.72	+ 9 5.0	3.047	3.929	7.5	17.6
3 12	12 51.90	+ 9 48.4	2.981	3.923	5.3	17.5
3 22	12 45.02	+10 29.5	2.944	3.916	3.7	17.4
4 1	12 37.61	+11 4.0	2.938	3.909	4.0	17.4
4 11	12 30.27	+11 28.6	2.960	3.902	5.8	17.5
4 21	12 23.55	+11 41.0	3.011	3.894	8.0	17.6
5 1	12 17.94	+11 40.1	3.087	3.885	10.2	17.7

349428 2008 AZ_{67} 3 30.9 36.°71 3.°8/ 4.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.66	−16 58.8	2.314	3.047	14.4	21.1
3 2	12 58.06	−17 18.0	2.220	3.049	12.0	20.9
3 12	12 52.49	−17 21.0	2.146	3.052	9.1	20.7
3 22	12 45.42	−17 7.6	2.096	3.055	6.2	20.5
4 1	12 37.56	−16 39.3	2.074	3.058	4.0	20.4
4 11	12 29.75	−15 59.9	2.080	3.061	4.6	20.4
4 21	12 22.81	−15 14.4	2.113	3.064	7.3	20.6
5 1	12 17.40	−14 28.4	2.173	3.068	10.3	20.8

294429 2007 VH_{244} 3 30.9 37.°18 3.°2/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.02	−16 20.4	2.148	2.893	15.0	20.6
3 2	12 56.90	−16 17.9	2.055	2.895	12.4	20.4
3 12	12 51.76	−15 57.0	1.983	2.898	9.3	20.2
3 22	12 45.09	−15 18.3	1.935	2.901	6.0	20.0
4 1	12 37.61	−14 24.4	1.914	2.903	3.4	19.9
4 11	12 30.22	−13 20.6	1.921	2.907	4.4	19.9
4 21	12 23.74	−12 13.4	1.956	2.910	7.6	20.1
5 1	12 18.86	−11 9.3	2.016	2.913	10.9	20.3

409007 2002 XA_{98} 3 30.9 104.°74 4.°4/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.38	+ 5 44.8	1.918	2.725	14.4	21.9
3 2	13 2.51	+ 6 39.6	1.857	2.746	11.1	21.7
3 12	12 55.41	+ 7 38.4	1.820	2.767	7.7	21.6
3 22	12 46.75	+ 8 34.8	1.809	2.787	4.9	21.4
4 1	12 37.43	+ 9 21.8	1.826	2.806	4.9	21.5
4 11	12 28.47	+ 9 53.9	1.871	2.825	7.7	21.7
4 21	12 20.74	+10 8.0	1.942	2.843	10.9	21.9
5 1	12 14.90	+10 3.6	2.037	2.861	13.8	22.1

374460 2005 XU_{43} 3 30.9 246.°68 2.°1/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.25	− 0 41.0	2.099	2.895	13.7	22.2
3 2	13 0.28	− 0 6.8	1.997	2.881	10.7	22.0
3 12	12 54.14	+ 0 37.1	1.918	2.866	7.3	21.7
3 22	12 46.29	+ 1 26.7	1.865	2.851	3.6	21.5
4 1	12 37.47	+ 2 16.4	1.841	2.836	2.4	21.4
4 11	12 28.63	+ 3 0.1	1.846	2.820	5.9	21.5
4 21	12 20.67	+ 3 32.8	1.878	2.804	9.8	21.7
5 1	12 14.38	+ 3 50.8	1.933	2.787	13.2	21.9

155457 1998 QK_{103} 3 30.9 166.°82 2.°3/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.08	− 1 28.8	1.836	2.632	15.3	20.6
3 2	13 2.62	− 0 37.6	1.754	2.637	12.0	20.3
3 12	12 55.74	+ 0 25.6	1.694	2.642	8.0	20.1
3 22	12 47.03	+ 1 35.3	1.660	2.646	4.0	19.9
4 1	12 37.39	+ 2 44.4	1.655	2.650	2.8	19.8
4 11	12 27.94	+ 3 45.0	1.679	2.652	6.5	20.0
4 21	12 19.67	+ 4 31.4	1.729	2.654	10.6	20.3
5 1	12 13.36	+ 4 59.8	1.803	2.654	14.2	20.5

34361 2000 RT_{28} 3 30.9 171.°86 2.°8/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 59.27	−17 2.1	2.575	3.305	13.1	19.2
3 2	12 55.95	−16 46.1	2.475	3.306	10.9	19.0
3 12	12 50.93	−16 13.3	2.397	3.307	8.1	18.9
3 22	12 44.63	−15 24.7	2.344	3.307	5.2	18.7
4 1	12 37.67	−14 22.7	2.319	3.308	3.0	18.5
4 11	12 30.78	−13 12.3	2.324	3.309	3.8	18.6
4 21	12 24.65	−11 59.0	2.357	3.309	6.6	18.8
5 1	12 19.84	−10 48.6	2.417	3.309	9.5	18.9

503143 2015 GZ_{19} 3 30.9 117.°02 0.°6/30.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 58.90	− 6 38.7	2.193	2.980	13.5	21.8
3 2	12 55.87	− 5 44.4	2.105	2.982	10.6	21.6
3 12	12 50.96	− 4 35.7	2.040	2.985	7.1	21.3
3 22	12 44.66	− 3 16.6	2.001	2.987	3.4	21.1
4 1	12 37.66	− 1 53.2	1.991	2.989	1.0	20.9
4 11	12 30.78	− 0 32.3	2.010	2.992	4.7	21.2
4 21	12 24.76	+ 0 39.6	2.057	2.994	8.4	21.4
5 1	12 20.22	+ 1 37.7	2.129	2.996	11.7	21.6

395205 2010 HD_{38} 3 30.9 136.°74 2.°8/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.86	−15 40.0	2.649	3.381	12.8	21.4
3 2	12 57.12	−15 42.6	2.553	3.385	10.5	21.3
3 12	12 51.68	−15 30.7	2.479	3.390	7.9	21.1
3 22	12 44.98	−15 5.1	2.430	3.394	5.0	20.9
4 1	12 37.63	−14 27.6	2.409	3.398	2.9	20.8
4 11	12 30.36	−13 42.1	2.418	3.402	3.8	20.8
4 21	12 23.83	−12 53.1	2.455	3.406	6.5	21.0
5 1	12 18.61	−12 5.6	2.519	3.409	9.2	21.2

19581 1999 NC_3 3 30.9 248.°95 1.°1/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.44	− 4 35.5	2.105	2.895	13.8	18.7
3 2	12 58.07	− 3 52.6	2.003	2.883	10.9	18.5
3 12	12 52.62	− 2 56.2	1.925	2.871	7.4	18.2
3 22	12 45.55	− 1 50.2	1.872	2.858	3.5	18.0
4 1	12 37.57	− 0 40.2	1.848	2.845	1.4	17.8
4 11	12 29.59	+ 0 27.0	1.852	2.832	5.3	18.0
4 21	12 22.47	+ 1 25.2	1.884	2.818	9.2	18.2
5 1	12 16.96	+ 2 9.4	1.941	2.805	12.8	18.4

407888 2012 BE_{111} 3 30.9 80.°10 0.°7/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.84	− 5 48.6	1.595	2.393	17.2	22.0
3 2	13 1.04	− 5 10.9	1.530	2.413	13.4	21.8
3 12	12 54.70	− 4 17.3	1.486	2.433	9.1	21.6
3 22	12 46.50	− 3 12.7	1.466	2.452	4.3	21.4
4 1	12 37.48	− 2 4.4	1.473	2.472	1.1	21.2
4 11	12 28.82	− 1 0.6	1.508	2.491	5.7	21.5
4 21	12 21.53	− 0 8.2	1.568	2.510	10.2	21.8
5 1	12 16.37	+ 0 28.1	1.652	2.529	14.0	22.1

67888 2000 WR_{59} 3 30.9 189.°91 1.°6/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.89	−11 57.9	2.033	2.792	15.3	20.1
3 2	13 0.84	−11 35.6	1.936	2.791	12.4	19.9
3 12	12 54.52	−10 55.4	1.860	2.789	8.8	19.7
3 22	12 46.47	− 9 59.2	1.809	2.787	4.9	19.4
4 1	12 37.48	− 8 51.0	1.787	2.784	1.6	19.2
4 11	12 28.55	− 7 37.4	1.793	2.780	4.5	19.4
4 21	12 20.62	− 6 25.6	1.828	2.776	8.5	19.6
5 1	12 14.46	− 5 22.3	1.888	2.771	12.2	19.8

470921 2009 DG_{130} 3 30.9 294.°19 2.°7/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.29	−12 13.2	2.275	3.026	14.1	21.0
3 2	13 0.19	−12 38.1	2.173	3.020	11.5	20.8
3 12	12 54.01	−12 50.2	2.092	3.014	8.5	20.6
3 22	12 46.21	−12 49.6	2.037	3.008	5.2	20.4
4 1	12 37.51	−12 37.7	2.010	3.002	2.7	20.2
4 11	12 28.78	−12 17.8	2.011	2.997	4.3	20.3
4 21	12 20.90	−11 54.2	2.041	2.991	7.6	20.5
5 1	12 14.60	−11 31.5	2.096	2.985	10.9	20.7

408715 2014 OJ_4 3 30.9 289.°91 3.°2/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.98	−12 50.7	1.396	2.183	19.7	21.3
3 2	13 0.78	−13 1.7	1.289	2.159	16.4	21.0
3 12	12 55.42	−12 50.0	1.200	2.135	12.1	20.7
3 22	12 47.29	−12 14.6	1.133	2.110	7.3	20.3
4 1	12 37.35	−11 17.8	1.090	2.085	3.3	20.0
4 11	12 27.05	−10 6.5	1.071	2.060	6.2	20.1
4 21	12 17.93	− 8 50.9	1.077	2.036	11.7	20.3
5 1	12 11.32	− 7 42.2	1.104	2.011	16.9	20.5

99923 1999 XS_{108} 3 30.9 66.°18 3.°1/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 7.33	+ 1 51.8	1.539	2.353	16.9	19.1
3 2	13 3.20	+ 2 16.2	1.468	2.361	13.2	18.9
3 12	12 56.32	+ 2 48.6	1.418	2.369	8.9	18.6
3 22	12 47.35	+ 3 23.5	1.392	2.377	4.7	18.4
4 1	12 37.39	+ 3 54.1	1.393	2.386	3.6	18.3
4 11	12 27.72	+ 4 13.8	1.420	2.394	7.4	18.6
4 21	12 19.48	+ 4 18.5	1.473	2.403	11.7	18.9
5 1	12 13.54	+ 4 6.2	1.548	2.411	15.5	19.1

341675 2007 VN_{90} 3 30.9 156.°17 4.°3/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.90	+ 8 10.0	2.349	3.155	12.1	20.8
3 2	12 59.57	+ 8 52.1	2.270	3.157	9.5	20.6
3 12	12 53.37	+ 9 36.1	2.216	3.160	6.7	20.4
3 22	12 45.80	+10 16.9	2.188	3.162	4.6	20.3
4 1	12 37.57	+10 48.9	2.189	3.164	4.8	20.3
4 11	12 29.50	+11 8.0	2.219	3.166	7.1	20.5
4 21	12 22.33	+11 11.6	2.275	3.167	9.9	20.6
5 1	12 16.66	+10 58.9	2.354	3.169	12.5	20.8

222607 2001 XY_{37} 3 30.9 264.°94 1.°7/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.93	− 0 33.8	1.906	2.702	14.8	19.9
3 2	13 2.64	− 0 24.2	1.807	2.690	11.7	19.6
3 12	12 55.89	− 0 6.2	1.730	2.677	8.0	19.4
3 22	12 47.20	+ 0 16.7	1.678	2.664	3.9	19.1
4 1	12 37.40	+ 0 39.7	1.655	2.651	2.0	18.9
4 11	12 27.58	+ 0 57.6	1.660	2.638	5.9	19.2
4 21	12 18.78	+ 1 6.1	1.691	2.625	10.1	19.4
5 1	12 11.88	+ 1 2.0	1.747	2.612	13.9	19.6

382834 2004 AC_{21} 3 30.9 127.°29 2.°6/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.17	+ 1 49.5	2.458	3.255	11.9	21.7
3 2	12 58.09	+ 2 36.9	2.382	3.267	9.2	21.6
3 12	12 52.28	+ 3 30.5	2.330	3.278	6.2	21.4
3 22	12 45.25	+ 4 25.8	2.306	3.289	3.3	21.2
4 1	12 37.64	+ 5 17.5	2.311	3.300	3.0	21.2
4 11	12 30.20	+ 6 0.8	2.346	3.310	5.6	21.4
4 21	12 23.61	+ 6 32.1	2.408	3.320	8.5	21.6
5 1	12 18.41	+ 6 49.3	2.494	3.330	11.2	21.8

231698 1998 QC_2 3 30.9 249.°76 6.°3/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.05	−24 1.9	2.403	3.085	15.1	20.3
3 2	13 0.98	−24 42.3	2.286	3.070	13.1	20.1
3 12	12 54.71	−25 4.8	2.188	3.054	10.8	19.9
3 22	12 46.64	−25 6.8	2.113	3.038	8.4	19.7
4 1	12 37.47	−24 47.4	2.064	3.021	6.6	19.6
4 11	12 28.14	−24 8.7	2.043	3.004	6.5	19.5
4 21	12 19.59	−23 15.2	2.049	2.987	8.3	19.6
5 1	12 12.65	−22 13.5	2.080	2.969	11.0	19.7

109171 2001 QP_{64} 3 30.9 122.°04 2.°0/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.43	− 3 15.0	2.058	2.851	14.0	20.0
3 2	12 58.63	− 2 4.1	1.983	2.866	10.8	19.9
3 12	12 52.82	− 0 40.6	1.932	2.880	7.2	19.7
3 22	12 45.56	+ 0 49.9	1.908	2.894	3.5	19.4
4 1	12 37.62	+ 2 20.0	1.913	2.907	2.4	19.4
4 11	12 29.90	+ 3 42.0	1.947	2.920	5.8	19.6
4 21	12 23.20	+ 4 50.0	2.009	2.932	9.4	19.9
5 1	12 18.14	+ 5 40.0	2.096	2.944	12.6	20.1

458869 2011 UO_{129} 3 30.9 154.°37 2.°5/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.36	−13 25.0	1.813	2.571	16.9	22.4
3 2	13 2.22	−13 18.3	1.725	2.578	13.8	22.2
3 12	12 55.58	−12 52.1	1.658	2.584	10.0	22.0
3 22	12 47.01	−12 7.5	1.616	2.590	5.9	21.8
4 1	12 37.44	−11 8.3	1.600	2.595	2.6	21.6
4 11	12 28.02	−10 1.1	1.612	2.600	4.8	21.7
4 21	12 19.79	− 8 53.6	1.652	2.604	9.0	22.0
5 1	12 13.59	− 7 53.2	1.717	2.607	12.8	22.2

389198 2009 CM_{51} 3 30.9 23.°33 4.°1/ 3.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.22	−14 47.6	1.899	2.652	16.4	20.9
3 2	13 0.50	−15 27.5	1.813	2.657	13.6	20.7
3 12	12 54.40	−15 51.1	1.748	2.663	10.3	20.5
3 22	12 46.46	−15 57.7	1.706	2.670	6.7	20.3
4 1	12 37.54	−15 48.2	1.690	2.677	4.2	20.2
4 11	12 28.71	−15 26.4	1.702	2.684	5.2	20.2
4 21	12 20.97	−14 57.5	1.740	2.692	8.5	20.4
5 1	12 15.13	−14 27.7	1.802	2.701	11.9	20.7

323445 2004 HV_{27} 3 30.9 333.°67 1.°1/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 57.49	−12 58.1	1.600	2.386	17.7	20.4
3 2	12 55.64	−12 3.4	1.509	2.381	14.3	20.2
3 12	12 51.31	−10 42.4	1.438	2.376	10.1	19.9
3 22	12 45.03	− 8 58.3	1.390	2.372	5.4	19.6
4 1	12 37.70	− 6 58.6	1.369	2.368	1.1	19.3
4 11	12 30.46	− 4 54.4	1.376	2.364	5.2	19.6
4 21	12 24.37	− 2 57.5	1.409	2.361	10.1	19.9
5 1	12 20.28	− 1 17.6	1.465	2.358	14.4	20.1

430349 2013 YU_{108} 3 30.9 162.°10 4.°1/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.11	+ 5 47.7	2.340	3.151	12.0	21.3
3 2	12 56.68	+ 6 56.1	2.261	3.153	9.3	21.1
3 12	12 51.45	+ 8 9.5	2.207	3.154	6.5	20.9
3 22	12 44.91	+ 9 21.8	2.180	3.156	4.4	20.8
4 1	12 37.73	+10 26.8	2.181	3.157	4.7	20.8
4 11	12 30.66	+11 18.7	2.211	3.158	7.1	20.9
4 21	12 24.43	+11 53.9	2.267	3.159	9.9	21.1
5 1	12 19.61	+12 10.5	2.347	3.160	12.5	21.3

334500 2002 QH_{94} 3 30.9 146.°42 1.°1/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 0.10	−11 32.9	2.383	3.142	13.3	21.1
3 2	12 56.67	−10 56.6	2.291	3.147	10.6	21.0
3 12	12 51.46	−10 4.5	2.221	3.152	7.5	20.8
3 22	12 44.92	− 8 59.3	2.178	3.157	4.0	20.6
4 1	12 37.73	− 7 45.3	2.164	3.162	1.1	20.3
4 11	12 30.64	− 6 28.4	2.179	3.166	3.8	20.5
4 21	12 24.38	− 5 14.6	2.223	3.170	7.3	20.8
5 1	12 19.53	− 4 9.6	2.293	3.174	10.4	21.0

72223 2001 AM_{10} 3 30.9 94.°31 3.°1/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.05	−15 0.5	1.637	2.401	18.2	20.0
3 2	13 0.64	−14 54.3	1.558	2.412	14.9	19.8
3 12	12 54.60	−14 25.5	1.499	2.424	11.0	19.6
3 22	12 46.57	−13 35.2	1.463	2.435	6.7	19.4
4 1	12 37.54	−12 27.6	1.453	2.446	3.3	19.2
4 11	12 28.74	−11 10.4	1.469	2.457	5.1	19.3
4 21	12 21.26	− 9 52.6	1.513	2.468	9.3	19.6
5 1	12 15.91	− 8 42.6	1.580	2.478	13.2	19.8

82830 2001 QS_{45} 3 30.9 160.°13 0.°9/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.19	− 9 14.8	2.716	3.472	11.9	20.8
3 2	12 58.05	− 9 1.3	2.621	3.478	9.5	20.6
3 12	12 52.27	− 8 36.5	2.551	3.482	6.6	20.4
3 22	12 45.29	− 8 2.4	2.507	3.487	3.5	20.2
4 1	12 37.70	− 7 21.8	2.493	3.491	0.9	20.0
4 11	12 30.19	− 6 38.8	2.509	3.495	3.5	20.2
4 21	12 23.42	− 5 57.7	2.553	3.498	6.6	20.5
5 1	12 17.92	− 5 22.2	2.625	3.501	9.4	20.6

67574 2000 SL_{111} 3 30.9 88.°90 0.°8/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 3.88	− 6 17.6	1.534	2.335	17.6	18.9
3 2	13 0.52	− 5 34.4	1.463	2.348	13.8	18.7
3 12	12 54.50	− 4 33.4	1.412	2.360	9.4	18.4
3 22	12 46.51	− 3 19.7	1.386	2.373	4.4	18.2
4 1	12 37.57	− 2 1.1	1.386	2.385	1.2	18.0
4 11	12 28.91	− 0 46.8	1.414	2.397	6.0	18.3
4 21	12 21.64	+ 0 15.1	1.467	2.409	10.7	18.6
5 1	12 16.54	+ 0 59.2	1.542	2.421	14.7	18.9

411208 2010 MM_{97} 3 31.0 157.°81 0.°4/30.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 6.42	− 5 24.6	2.105	2.882	14.3	22.1
3 2	13 1.81	− 5 1.4	2.018	2.889	11.2	21.9
3 12	12 55.06	− 4 26.2	1.955	2.896	7.6	21.7
3 22	12 46.71	− 3 42.2	1.917	2.902	3.7	21.5
4 1	12 37.56	− 2 54.0	1.909	2.907	0.7	21.2
4 11	12 28.55	− 2 7.4	1.930	2.912	4.8	21.6
4 21	12 20.56	− 1 27.5	1.978	2.916	8.6	21.8
5 1	12 14.29	− 0 58.5	2.052	2.920	12.0	22.0

270069 2001 PQ_{25} 3 31.0 184.°12 1.°8/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 5.90	− 0 52.4	2.189	2.979	13.4	21.4
3 2	13 1.36	− 0 22.4	2.099	2.979	10.5	21.2
3 12	12 54.74	+ 0 16.3	2.032	2.979	7.1	21.0
3 22	12 46.56	+ 0 59.7	1.993	2.978	3.4	20.8
4 1	12 37.57	+ 1 42.8	1.982	2.977	2.1	20.7
4 11	12 28.69	+ 2 20.2	2.000	2.975	5.5	20.9
4 21	12 20.75	+ 2 47.6	2.046	2.973	9.1	21.1
5 1	12 14.44	+ 3 1.9	2.117	2.970	12.3	21.3

431095 2006 DN_{168} 3 31.0 138.°71 1.°4/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 4.40	− 1 45.0	2.227	3.016	13.2	21.9
3 2	13 0.08	− 1 18.4	2.144	3.023	10.3	21.7
3 12	12 53.79	− 0 43.2	2.084	3.031	6.9	21.5
3 22	12 46.07	− 0 2.9	2.052	3.038	3.3	21.3
4 1	12 37.63	+ 0 37.7	2.048	3.045	1.7	21.2
4 11	12 29.36	+ 1 13.4	2.074	3.051	5.1	21.4
4 21	12 22.02	+ 1 40.3	2.127	3.057	8.6	21.7
5 1	12 16.27	+ 1 55.3	2.205	3.063	11.7	21.9

61652 2000 QO_{112} 3 31.0 113.°54 0.°5/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 2.51	− 8 8.0	1.883	2.667	15.5	19.2
3 2	12 59.09	− 7 47.6	1.796	2.669	12.3	18.9
3 12	12 53.39	− 7 11.6	1.731	2.672	8.5	18.7
3 22	12 45.96	− 6 23.1	1.690	2.674	4.3	18.5
4 1	12 37.64	− 5 26.7	1.677	2.676	0.5	18.2
4 11	12 29.44	− 4 29.1	1.692	2.679	4.8	18.5
4 21	12 22.29	− 3 36.9	1.734	2.681	9.0	18.7
5 1	12 16.96	− 2 55.4	1.800	2.683	12.7	19.0

377911 2006 DU_{214} 3 31.0 87.°31 0.°5/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	13 1.50	− 8 36.8	1.981	2.762	14.9	21.6
3 2	12 58.12	− 8 9.9	1.898	2.769	11.8	21.4
3 12	12 52.63	− 7 27.7	1.837	2.777	8.2	21.2
3 22	12 45.55	− 6 33.0	1.801	2.784	4.1	21.0
4 1	12 37.69	− 5 31.0	1.792	2.791	0.5	20.7
4 11	12 29.99	− 4 28.2	1.812	2.799	4.5	21.0
4 21	12 23.30	− 3 30.9	1.860	2.806	8.5	21.3
5 1	12 18.31	− 2 44.4	1.932	2.813	12.0	21.5