366442 2001 XM_{146} 3 13.9 158°.76 1°.9/16.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 58.95	− 6 8.5	2.328	3.140	11.9	22.0
2 21	11 53.38	− 5 43.0	2.250	3.147	9.0	21.9
3 2	11 46.21	− 5 2.8	2.197	3.154	5.6	21.7
3 12	11 38.09	− 4 11.2	2.172	3.160	2.5	21.5
3 22	11 29.80	− 3 12.9	2.178	3.165	2.9	21.5
4 1	11 22.14	− 2 13.3	2.213	3.170	6.2	21.7
4 11	11 15.81	− 1 18.1	2.275	3.174	9.5	21.9
4 21	11 11.27	− 0 31.5	2.362	3.178	12.3	22.1

498054 2007 RF_{48} 3 13.9 206°.65 0°.8/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.20	+ 3 18.2	2.415	3.259	10.5	22.2
2 21	11 52.83	+ 3 47.7	2.334	3.255	7.5	22.0
3 2	11 45.91	+ 4 24.6	2.280	3.251	4.1	21.8
3 12	11 38.05	+ 5 4.8	2.254	3.247	0.9	21.6
3 22	11 29.98	+ 5 43.6	2.258	3.242	3.3	21.8
4 1	11 22.48	+ 6 16.7	2.292	3.237	6.8	22.0
4 11	11 16.23	+ 6 40.6	2.353	3.232	10.0	22.2
4 21	11 11.69	+ 6 53.0	2.436	3.227	12.7	22.3

371982 2008 GK_{93} 3 13.9 291°.42 5°.4/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.86	+13 33.4	1.657	2.531	12.9	20.6
2 21	11 53.91	+14 52.0	1.592	2.525	9.4	20.3
3 2	11 46.74	+16 12.4	1.552	2.519	6.3	20.1
3 12	11 38.21	+17 25.1	1.539	2.514	5.6	20.1
3 22	11 29.39	+18 21.4	1.552	2.508	8.2	20.2
4 1	11 21.46	+18 55.1	1.591	2.502	11.8	20.4
4 11	11 15.38	+19 4.0	1.652	2.497	15.2	20.6
4 21	11 11.73	+18 49.2	1.731	2.492	18.2	20.8

78280 2002 PG_{39} 3 13.9 110°.46 0°.3/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.75	+ 0 27.9	1.796	2.640	13.5	20.5
2 21	11 54.92	+ 1 11.2	1.737	2.657	9.7	20.3
3 2	11 47.14	+ 2 6.9	1.702	2.673	5.4	20.0
3 12	11 38.26	+ 3 8.9	1.695	2.689	0.8	19.7
3 22	11 29.28	+ 4 10.2	1.718	2.704	3.8	20.0
4 1	11 21.23	+ 5 4.2	1.768	2.719	8.0	20.3
4 11	11 14.93	+ 5 45.7	1.844	2.733	11.8	20.5
4 21	11 10.86	+ 6 12.1	1.941	2.747	14.9	20.8

468997 2015 AO_{177} 3 13.9 29°.30 0°.1/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.29	+ 0 52.3	1.667	2.519	14.0	20.7
2 21	11 54.08	+ 1 6.0	1.601	2.524	10.1	20.5
3 2	11 46.77	+ 1 31.5	1.559	2.530	5.7	20.2
3 12	11 38.22	+ 2 4.1	1.543	2.536	1.0	19.9
3 22	11 29.46	+ 2 38.0	1.555	2.543	3.8	20.1
4 1	11 21.60	+ 3 7.3	1.594	2.550	8.3	20.4
4 11	11 15.55	+ 3 27.1	1.657	2.557	12.3	20.7
4 21	11 11.85	+ 3 34.5	1.742	2.565	15.7	20.9

95774 2003 EQ_{53} 3 13.9 280°.00 7°.8/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.56	+22 10.3	1.812	2.677	12.4	19.9
2 21	11 55.83	+23 26.1	1.746	2.664	9.8	19.7
3 2	11 47.82	+24 35.1	1.704	2.650	8.0	19.5
3 12	11 38.41	+25 27.8	1.689	2.636	8.2	19.5
3 22	11 28.68	+25 56.9	1.700	2.622	10.3	19.6
4 1	11 19.84	+25 58.4	1.736	2.608	13.2	19.7
4 11	11 12.87	+25 32.6	1.792	2.594	16.0	19.9
4 21	11 8.38	+24 42.6	1.867	2.580	18.6	20.1

403892 2011 WC_{142} 3 13.9 230°.46 3°.3/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.44	− 8 42.2	1.752	2.566	15.1	22.1
2 21	11 55.09	− 8 28.1	1.662	2.556	11.7	21.9
3 2	11 47.48	− 7 52.4	1.594	2.546	7.8	21.6
3 12	11 38.37	− 6 57.7	1.552	2.535	4.1	21.3
3 22	11 28.80	− 5 49.0	1.538	2.524	4.2	21.3
4 1	11 19.92	− 4 34.2	1.552	2.513	8.0	21.5
4 11	11 12.78	− 3 21.9	1.591	2.500	12.2	21.7
4 21	11 8.05	− 2 19.2	1.653	2.487	15.9	21.9

322296 2011 FW_{60} 3 13.9 127°.13 0°.4/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.33	+ 1 23.3	2.056	2.901	12.0	21.4
2 21	11 53.08	+ 2 0.0	1.987	2.907	8.6	21.2
3 2	11 46.10	+ 2 46.9	1.942	2.913	4.8	21.0
3 12	11 38.11	+ 3 39.1	1.926	2.920	0.8	20.7
3 22	11 29.95	+ 4 30.8	1.940	2.925	3.5	20.9
4 1	11 22.51	+ 5 16.4	1.981	2.931	7.4	21.2
4 11	11 16.54	+ 5 51.4	2.049	2.937	10.9	21.4
4 21	11 12.53	+ 6 13.3	2.139	2.942	13.8	21.6

505227 2012 UM_{12} 3 13.9 175°.43 0°.8/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 55.46	− 3 32.6	2.514	3.338	10.7	22.5
2 21	11 50.82	− 2 47.9	2.432	3.340	7.9	22.3
3 2	11 44.77	− 1 50.6	2.377	3.341	4.7	22.1
3 12	11 37.89	− 0 44.5	2.350	3.342	1.4	21.9
3 22	11 30.82	+ 0 25.3	2.354	3.342	2.6	22.0
4 1	11 24.28	+ 1 33.3	2.388	3.343	6.0	22.2
4 11	11 18.89	+ 2 34.3	2.449	3.343	9.1	22.4
4 21	11 15.08	+ 3 24.6	2.534	3.342	11.8	22.6

295366 2008 HO_{51} 3 13.9 206°.52 3°.8/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 57.99	−13 17.8	2.529	3.303	12.2	21.8
2 21	11 52.73	−12 58.5	2.431	3.296	9.7	21.7
3 2	11 45.91	−12 20.7	2.357	3.289	7.0	21.5
3 12	11 38.09	−11 25.9	2.311	3.281	4.5	21.3
3 22	11 30.00	−10 17.7	2.294	3.273	4.0	21.2
4 1	11 22.40	− 9 1.5	2.308	3.263	6.1	21.4
4 11	11 16.00	− 7 43.7	2.349	3.253	9.0	21.5
4 21	11 11.30	− 6 30.3	2.416	3.243	11.7	21.7

316838 2000 CF_{142} 3 13.9 180°.80 0°.4/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.54	− 0 50.1	2.299	3.133	11.3	21.5
2 21	11 52.42	− 0 20.8	2.220	3.134	8.2	21.3
3 2	11 45.71	+ 0 19.4	2.166	3.134	4.7	21.1
3 12	11 38.05	+ 1 6.6	2.141	3.134	1.0	20.8
3 22	11 30.19	+ 1 56.1	2.146	3.134	2.9	20.9
4 1	11 22.92	+ 2 42.5	2.180	3.133	6.6	21.2
4 11	11 16.96	+ 3 21.4	2.241	3.133	9.9	21.4
4 21	11 12.75	+ 3 49.7	2.325	3.132	12.7	21.6

144150 2004 BS_{95} 3 13.9 192°.78 3°.6/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.68	+ 8 34.5	1.561	2.424	14.1	20.1
2 21	11 57.48	+ 9 38.0	1.493	2.423	10.1	19.8
3 2	11 48.80	+10 48.4	1.449	2.422	5.9	19.6
3 12	11 38.59	+11 56.7	1.433	2.419	3.7	19.4
3 22	11 28.07	+12 54.1	1.444	2.416	6.7	19.6
4 1	11 18.55	+13 33.3	1.482	2.412	11.0	19.9
4 11	11 11.10	+13 50.9	1.543	2.408	15.1	20.1
4 21	11 6.36	+13 46.8	1.623	2.403	18.5	20.3

463468 2013 PB_{31} 3 14.0 241°.06 7°.4/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.32	−18 24.5	1.973	2.727	15.8	21.2
2 21	11 55.65	−19 8.7	1.880	2.720	13.3	21.0
3 2	11 47.78	−19 30.2	1.809	2.712	10.5	20.8
3 12	11 38.44	−19 27.0	1.762	2.705	8.2	20.7
3 22	11 28.61	−19 0.1	1.741	2.697	7.4	20.6
4 1	11 19.38	−18 13.7	1.747	2.689	8.8	20.7
4 11	11 11.78	−17 15.3	1.779	2.681	11.5	20.8
4 21	11 6.50	−16 13.0	1.833	2.672	14.3	21.0

360511 2003 OE_{7} 3 14.0 249°.96 0°.2/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.15	− 1 24.1	1.856	2.694	13.4	21.6
2 21	11 54.83	− 0 39.1	1.759	2.675	9.8	21.3
3 2	11 47.34	+ 0 22.2	1.686	2.655	5.7	21.0
3 12	11 38.37	+ 1 34.9	1.642	2.634	1.1	20.6
3 22	11 28.89	+ 2 52.0	1.626	2.613	3.7	20.8
4 1	11 19.99	+ 4 5.6	1.638	2.591	8.4	21.0
4 11	11 12.69	+ 5 8.2	1.676	2.568	12.7	21.2
4 21	11 7.67	+ 5 55.1	1.736	2.544	16.3	21.4

79507 1998 HD_{42} 3 14.0 107°.47 2°.1/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.93	+ 3 41.0	1.364	2.228	15.7	20.0
2 21	11 56.28	+ 4 49.1	1.310	2.241	11.1	19.7
3 2	11 48.10	+ 6 10.0	1.279	2.253	6.1	19.5
3 12	11 38.47	+ 7 34.2	1.274	2.265	2.1	19.2
3 22	11 28.70	+ 8 51.1	1.296	2.277	5.7	19.5
4 1	11 20.13	+ 9 51.9	1.344	2.289	10.6	19.8
4 11	11 13.81	+10 31.3	1.415	2.300	15.0	20.1
4 21	11 10.29	+10 48.0	1.504	2.310	18.5	20.4

138617 2000 QP_{205} 3 14.0 176°.67 0°.0/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.58	+ 1 0.8	3.013	3.842	9.0	20.7
2 21	11 52.12	+ 1 19.9	2.932	3.844	6.5	20.6
3 2	11 45.43	+ 1 45.9	2.878	3.846	3.7	20.4
3 12	11 38.01	+ 2 15.8	2.854	3.847	0.6	20.1
3 22	11 30.45	+ 2 46.4	2.861	3.847	2.4	20.3
4 1	11 23.35	+ 3 14.4	2.899	3.847	5.4	20.5
4 11	11 17.26	+ 3 36.8	2.964	3.847	8.1	20.7
4 21	11 12.56	+ 3 51.5	3.055	3.846	10.4	20.8

90950 1997 VH_{5} 3 14.0 115°.16 4°.5/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.61	+11 35.7	1.621	2.487	13.6	19.1
2 21	11 57.15	+12 40.4	1.571	2.502	9.7	18.9
3 2	11 48.46	+13 46.9	1.547	2.516	6.0	18.7
3 12	11 38.54	+14 46.2	1.549	2.530	4.6	18.7
3 22	11 28.56	+15 30.7	1.579	2.544	7.2	18.8
4 1	11 19.72	+15 55.3	1.636	2.557	10.9	19.1
4 11	11 12.92	+15 58.3	1.716	2.569	14.4	19.3
4 21	11 8.66	+15 41.2	1.815	2.581	17.3	19.6

374112 2004 SW_{34} 3 14.0 111°.88 3°.8/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.03	+13 4.7	2.136	2.992	11.1	21.3
2 21	11 56.29	+13 42.4	2.084	3.009	8.0	21.1
3 2	11 47.82	+14 19.4	2.058	3.024	5.0	21.0
3 12	11 38.43	+14 49.8	2.060	3.040	3.8	20.9
3 22	11 29.02	+15 8.9	2.093	3.055	5.8	21.1
4 1	11 20.50	+15 13.6	2.153	3.070	8.9	21.3
4 11	11 13.60	+15 2.9	2.239	3.084	11.7	21.5
4 21	11 8.75	+14 37.7	2.346	3.098	14.2	21.7

31168 1997 WM_{49} 3 14.0 171°.52 0°.0/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 58.30	− 0 27.6	2.005	2.845	12.4	18.9
2 21	11 53.16	+ 0 18.2	1.930	2.848	9.0	18.7
3 2	11 46.21	+ 1 17.0	1.880	2.849	5.1	18.5
3 12	11 38.18	+ 2 23.3	1.858	2.851	0.9	18.2
3 22	11 29.92	+ 3 30.9	1.865	2.852	3.4	18.4
4 1	11 22.37	+ 4 33.1	1.901	2.853	7.5	18.6
4 11	11 16.31	+ 5 24.3	1.963	2.853	11.2	18.8
4 21	11 12.25	+ 6 1.2	2.047	2.853	14.3	19.0

210133 2006 RK_{83} 3 14.0 67°.40 3°.5/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.89	+13 50.6	2.216	3.068	11.0	19.8
2 21	11 57.62	+13 58.8	2.152	3.074	7.9	19.7
3 2	11 48.58	+14 5.0	2.114	3.080	4.9	19.5
3 12	11 38.56	+14 4.5	2.106	3.087	3.5	19.4
3 22	11 28.48	+13 53.9	2.128	3.093	5.5	19.5
4 1	11 19.26	+13 31.0	2.178	3.100	8.5	19.7
4 11	11 11.65	+12 55.5	2.255	3.107	11.5	19.9
4 21	11 6.11	+12 8.4	2.355	3.113	14.0	20.1

366394 2001 QK_{191} 3 14.0 202°.22 1°.1/12.8 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.75	+ 3 33.2	2.275	3.118	11.0	22.2
2 21	11 54.07	+ 4 19.2	2.193	3.114	7.9	22.0
3 2	11 46.69	+ 5 13.7	2.137	3.108	4.3	21.8
3 12	11 38.27	+ 6 11.7	2.110	3.102	1.2	21.5
3 22	11 29.59	+ 7 7.5	2.114	3.095	3.8	21.7
4 1	11 21.51	+ 7 55.7	2.147	3.088	7.5	21.9
4 11	11 14.78	+ 8 32.1	2.206	3.080	10.8	22.1
4 21	11 9.91	+ 8 54.5	2.288	3.071	13.7	22.3

321116 2008 TS_{157} 3 14.0 78°.52 0°.1/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.03	− 9 5.3	0.983	1.838	21.2	20.3
2 21	11 53.37	− 6 8.4	0.930	1.853	15.5	20.0
3 2	11 46.71	− 2 26.6	0.898	1.869	8.8	19.7
3 12	11 38.28	+ 1 41.1	0.892	1.885	1.5	19.3
3 22	11 29.69	+ 5 47.3	0.914	1.901	5.8	19.7
4 1	11 22.57	+ 9 25.3	0.962	1.917	12.4	20.1
4 11	11 18.12	+12 18.3	1.032	1.933	17.9	20.4
4 21	11 16.87	+14 21.5	1.121	1.948	22.3	20.8

194096 2001 SS_{206} 3 14.0 90°.17 3°.0/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.73	+ 7 19.0	1.435	2.299	15.1	20.4
2 21	11 58.06	+ 8 10.3	1.390	2.321	10.7	20.2
3 2	11 49.00	+ 9 7.9	1.369	2.342	6.0	20.0
3 12	11 38.64	+10 3.1	1.374	2.364	3.0	19.9
3 22	11 28.32	+10 47.8	1.407	2.384	6.1	20.1
4 1	11 19.31	+11 16.0	1.466	2.405	10.5	20.4
4 11	11 12.58	+11 25.0	1.548	2.425	14.4	20.7
4 21	11 8.59	+11 15.1	1.650	2.444	17.6	21.0

493562 2015 KO_{20} 3 14.0 306°.80 1°.1/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 54.85	− 3 33.3	2.229	3.060	11.7	21.0
2 21	11 50.62	− 3 3.3	2.142	3.051	8.7	20.8
3 2	11 44.79	− 2 19.5	2.079	3.043	5.2	20.5
3 12	11 37.96	− 1 25.5	2.043	3.034	1.7	20.3
3 22	11 30.86	− 0 26.3	2.037	3.026	2.9	20.3
4 1	11 24.30	+ 0 32.4	2.059	3.018	6.5	20.6
4 11	11 19.00	+ 1 24.9	2.108	3.009	10.0	20.8
4 21	11 15.45	+ 2 7.2	2.180	3.002	13.0	20.9

66767 1999 TT_{194} 3 14.0 300°.12 0°.6/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.18	+ 2 38.4	1.487	2.345	15.0	18.8
2 21	11 55.91	+ 2 55.0	1.406	2.333	10.9	18.6
3 2	11 48.07	+ 3 23.5	1.348	2.321	6.1	18.3
3 12	11 38.54	+ 3 58.4	1.317	2.310	1.0	17.9
3 22	11 28.53	+ 4 33.2	1.312	2.298	4.6	18.1
4 1	11 19.38	+ 5 0.8	1.333	2.287	9.7	18.4
4 11	11 12.26	+ 5 15.9	1.377	2.276	14.4	18.6
4 21	11 7.89	+ 5 15.5	1.441	2.265	18.3	18.8

469897 2005 WF_{40} 3 14.0 359°.16 8°.6/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.53	+21 35.8	1.490	2.367	13.8	20.4
2 21	11 54.60	+22 58.5	1.440	2.365	10.9	20.2
3 2	11 47.20	+24 12.9	1.414	2.364	8.8	20.1
3 12	11 38.37	+25 8.1	1.412	2.363	9.0	20.1
3 22	11 29.36	+25 36.0	1.435	2.363	11.3	20.2
4 1	11 21.48	+25 32.9	1.481	2.364	14.3	20.4
4 11	11 15.76	+25 0.0	1.546	2.365	17.4	20.6
4 21	11 12.71	+24 1.5	1.628	2.367	20.0	20.8

370058 2000 VU_{11} 3 14.0 137°.16 5°.0/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.67	+16 21.8	2.144	3.004	10.9	21.0
2 21	11 55.41	+17 18.1	2.090	3.013	8.1	20.9
3 2	11 47.38	+18 11.8	2.062	3.022	5.6	20.7
3 12	11 38.38	+18 55.9	2.063	3.031	5.1	20.7
3 22	11 29.31	+19 25.0	2.092	3.039	7.0	20.8
4 1	11 21.07	+19 36.0	2.149	3.047	9.8	21.0
4 11	11 14.42	+19 28.0	2.230	3.055	12.5	21.2
4 21	11 9.81	+19 2.6	2.331	3.062	14.8	21.4

448144 2008 SS_{158} 3 14.0 91°.67 0°.6/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 1.67	− 2 26.5	1.432	2.278	16.2	21.3
2 21	11 55.95	− 1 38.5	1.378	2.298	11.8	21.1
3 2	11 47.87	− 0 32.1	1.348	2.317	6.7	20.9
3 12	11 38.48	+ 0 45.6	1.344	2.336	1.5	20.6
3 22	11 29.00	+ 2 5.2	1.367	2.355	4.0	20.8
4 1	11 20.71	+ 3 17.6	1.416	2.373	9.0	21.1
4 11	11 14.56	+ 4 15.2	1.490	2.391	13.3	21.4
4 21	11 11.06	+ 4 54.5	1.585	2.409	16.9	21.7

298770 2004 NL_{10} 3 14.0 215°.92 3°.2/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.83	+ 7 18.2	1.767	2.627	12.9	21.1
2 21	11 55.29	+ 8 37.2	1.690	2.620	9.2	20.8
3 2	11 47.57	+10 5.1	1.639	2.612	5.3	20.6
3 12	11 38.45	+11 33.5	1.616	2.603	3.3	20.4
3 22	11 28.97	+12 53.2	1.622	2.593	6.2	20.6
4 1	11 20.26	+13 56.4	1.655	2.583	10.3	20.8
4 11	11 13.30	+14 38.5	1.712	2.572	14.1	21.0
4 21	11 8.71	+14 58.1	1.789	2.561	17.3	21.2

522455 2016 CN_{320} 3 14.0 40°.25 6°.3/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.61	+16 16.1	1.565	2.441	13.3	20.7
2 21	11 54.42	+17 30.4	1.518	2.450	9.9	20.5
3 2	11 47.01	+18 41.8	1.496	2.459	7.0	20.3
3 12	11 38.34	+19 40.5	1.499	2.468	6.6	20.3
3 22	11 29.59	+20 18.8	1.529	2.478	8.9	20.5
4 1	11 21.93	+20 32.3	1.583	2.488	12.2	20.7
4 11	11 16.27	+20 20.8	1.658	2.498	15.4	20.9
4 21	11 13.09	+19 46.7	1.752	2.509	18.1	21.2

422395 2014 SC_{279} 3 14.0 76°.03 1°.0/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.53	− 4 5.9	1.649	2.487	14.8	20.9
2 21	11 53.47	− 3 13.9	1.594	2.508	10.8	20.7
3 2	11 46.41	− 2 3.8	1.562	2.529	6.4	20.5
3 12	11 38.24	− 0 42.1	1.558	2.549	1.8	20.2
3 22	11 30.00	+ 0 43.1	1.581	2.570	3.5	20.4
4 1	11 22.74	+ 2 3.0	1.632	2.590	7.9	20.7
4 11	11 17.29	+ 3 10.5	1.708	2.610	11.9	21.0
4 21	11 14.10	+ 4 1.3	1.806	2.630	15.2	21.2

106318 2000 UP_{97} 3 14.0 129°.03 2°.1/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 56.80	− 6 16.8	2.577	3.387	11.0	19.3
2 21	11 51.76	− 6 8.2	2.498	3.392	8.3	19.1
3 2	11 45.33	− 5 47.1	2.444	3.398	5.3	18.9
3 12	11 38.06	− 5 15.8	2.418	3.403	2.6	18.8
3 22	11 30.63	− 4 37.7	2.422	3.409	2.8	18.8
4 1	11 23.74	− 3 57.1	2.456	3.414	5.6	19.0
4 11	11 18.00	− 3 18.4	2.517	3.419	8.5	19.2
4 21	11 13.84	− 2 45.4	2.602	3.423	11.1	19.3

122568 2000 RL_{8} 3 14.0 281°.62 6°.5/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.77	− 9 8.7	1.557	2.357	17.3	19.2
2 21	12 4.03	−10 38.3	1.454	2.335	14.0	19.0
3 2	11 53.00	−11 54.4	1.374	2.313	10.2	18.7
3 12	11 39.48	−12 53.1	1.319	2.290	7.0	18.4
3 22	11 24.79	−13 32.1	1.293	2.267	7.1	18.4
4 1	11 10.64	−13 52.8	1.295	2.243	10.6	18.5
4 11	10 58.65	−14 0.5	1.322	2.220	14.9	18.7
4 21	10 49.91	−14 2.3	1.370	2.197	19.0	18.9

463515 2013 QB_{68} 3 14.0 261°.02 2°.6/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 56.23	+ 4 41.2	1.792	2.655	12.6	21.4
2 21	11 51.97	+ 6 18.9	1.713	2.644	9.0	21.2
3 2	11 45.71	+ 8 9.8	1.660	2.634	5.0	20.9
3 12	11 38.16	+10 4.6	1.635	2.624	2.7	20.7
3 22	11 30.25	+11 53.3	1.638	2.613	5.8	20.9
4 1	11 23.03	+13 26.7	1.670	2.602	9.9	21.1
4 11	11 17.39	+14 38.2	1.726	2.591	13.7	21.3
4 21	11 13.93	+15 25.5	1.802	2.580	16.9	21.5

498951 2009 BC_{77} 3 14.0 209°.44 3°.7/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 56.36	+11 30.2	2.289	3.153	10.2	21.4
2 21	11 51.64	+12 42.5	2.221	3.150	7.3	21.3
3 2	11 45.33	+13 57.6	2.179	3.148	4.6	21.1
3 12	11 38.08	+15 8.6	2.167	3.145	3.8	21.0
3 22	11 30.63	+16 9.3	2.183	3.143	5.9	21.1
4 1	11 23.80	+16 54.8	2.227	3.140	8.8	21.3
4 11	11 18.26	+17 22.4	2.296	3.137	11.7	21.5
4 21	11 14.49	+17 31.7	2.386	3.133	14.1	21.7

60756 2000 GM_{104} 3 14.0 355°.68 0°.8/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.11	− 3 36.7	1.284	2.140	17.1	19.3
2 21	11 53.12	− 2 41.7	1.215	2.138	12.6	19.0
3 2	11 46.54	− 1 22.5	1.167	2.137	7.4	18.7
3 12	11 38.31	+ 0 13.6	1.144	2.137	1.8	18.4
3 22	11 29.71	+ 1 55.8	1.147	2.137	4.3	18.5
4 1	11 22.13	+ 3 31.9	1.175	2.137	9.9	18.8
4 11	11 16.73	+ 4 51.3	1.226	2.137	14.9	19.1
4 21	11 14.15	+ 5 48.2	1.296	2.137	19.0	19.4

457147 2008 FZ_{129} 3 14.0 11°.49 0°.5/14.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 54.40	− 2 0.9	1.220	2.087	17.0	21.0
2 21	11 51.16	− 1 16.0	1.160	2.090	12.4	20.8
3 2	11 45.40	− 0 9.6	1.122	2.094	7.1	20.5
3 12	11 38.11	+ 1 10.7	1.106	2.099	1.5	20.1
3 22	11 30.55	+ 2 34.3	1.116	2.106	4.4	20.3
4 1	11 24.07	+ 3 50.4	1.150	2.113	9.9	20.7
4 11	11 19.75	+ 4 49.8	1.207	2.122	14.7	21.0
4 21	11 18.16	+ 5 27.9	1.282	2.131	18.7	21.2

284130 2005 UT_{444} 3 14.0 114°.65 6°.9/21.8 18

2 11	11 58.58	−20 20.1	2.035	2.780	15.6	20.5
2 21	11 53.46	−20 30.2	1.957	2.790	13.1	20.4
3 2	11 46.45	−20 14.6	1.900	2.800	10.4	20.2
3 12	11 38.28	−19 33.1	1.867	2.809	7.9	20.1
3 22	11 29.88	−18 28.9	1.861	2.818	6.9	20.0
4 1	11 22.22	−17 8.0	1.882	2.828	8.0	20.1
4 11	11 16.13	−15 39.1	1.929	2.836	10.4	20.3
4 21	11 12.15	−14 10.6	2.000	2.845	13.1	20.4

242651 2005 OW_2 3 14.0 181°.72 4°.4/21.4 18

2 11	11 55.01	−19 26.6	3.393	4.117	10.3	21.6
2 21	11 50.30	−19 11.4	3.296	4.118	8.6	21.5
3 2	11 44.45	−18 39.7	3.222	4.118	6.7	21.3
3 12	11 37.93	−17 52.3	3.176	4.118	5.0	21.2
3 22	11 31.26	−16 51.6	3.159	4.117	4.4	21.2
4 1	11 24.99	−15 41.2	3.172	4.116	5.2	21.2
4 11	11 19.60	−14 25.9	3.214	4.114	7.0	21.3
4 21	11 15.47	−13 10.5	3.282	4.111	8.9	21.5

93341 2000 SP_{244} 3 14.0 254°.09 2°.8/11.3 17

2 11	11 59.66	+ 8 5.7	1.982	2.840	11.8	20.0
2 21	11 54.31	+ 8 56.4	1.898	2.827	8.4	19.7
3 2	11 46.98	+ 9 53.3	1.840	2.813	4.8	19.5
3 12	11 38.40	+10 49.9	1.811	2.798	2.8	19.3
3 22	11 29.46	+11 39.5	1.810	2.783	5.4	19.5
4 1	11 21.17	+12 16.2	1.836	2.768	9.2	19.6
4 11	11 14.41	+12 36.5	1.888	2.753	12.7	19.8
4 21	11 9.78	+12 39.2	1.960	2.737	15.8	20.0

169467 2002 CT_{73} 3 14.0 111°.90 1°.5/15.1 18

2 11	12 3.89	− 2 17.9	1.558	2.396	15.5	20.3
2 21	11 57.56	− 2 14.5	1.492	2.406	11.5	20.1
3 2	11 48.85	− 1 55.7	1.450	2.415	6.8	19.8
3 12	11 38.72	− 1 25.4	1.433	2.424	2.2	19.6
3 22	11 28.36	− 0 49.4	1.445	2.433	3.8	19.7
4 1	11 19.04	− 0 14.2	1.484	2.442	8.5	20.0
4 11	11 11.80	+ 0 14.1	1.547	2.451	12.8	20.2
4 21	11 7.20	+ 0 31.2	1.632	2.459	16.4	20.5

503007 2015 FX_{102} 3 14.0 328°.81 3°.8/17.6 17

2 11	11 58.46	− 9 21.9	2.046	2.850	13.6	21.1
2 21	11 53.38	− 9 36.1	1.960	2.847	10.6	20.9
3 2	11 46.43	− 9 33.3	1.899	2.844	7.4	20.7
3 12	11 38.31	− 9 14.7	1.863	2.841	4.4	20.5
3 22	11 29.87	− 8 43.5	1.856	2.838	4.2	20.5
4 1	11 22.05	− 8 4.5	1.876	2.835	7.0	20.6
4 11	11 15.70	− 7 23.8	1.923	2.832	10.3	20.8
4 21	11 11.38	− 6 46.8	1.992	2.830	13.4	21.0

29393 1996 NA_3 3 14.0 351°.55 4°.8/ 8.8 18

2 11	11 55.94	+10 9.0	1.643	2.518	12.9	17.5
2 21	11 51.84	+12 0.7	1.582	2.517	9.2	17.3
3 2	11 45.65	+13 59.2	1.546	2.517	5.8	17.1
3 12	11 38.18	+15 53.3	1.537	2.516	5.0	17.1
3 22	11 30.44	+17 32.2	1.556	2.515	7.8	17.2
4 1	11 23.55	+18 47.7	1.601	2.515	11.6	17.4
4 11	11 18.40	+19 35.8	1.669	2.515	15.1	17.6
4 21	11 15.55	+19 56.6	1.754	2.515	18.0	17.9

43434 2000 YX_{35} 3 14.0 56°.42 1°.8/12.6 18

2 11	11 59.77	+ 3 41.2	1.373	2.240	15.4	18.4
2 21	11 54.76	+ 4 34.8	1.318	2.250	11.0	18.1
3 2	11 47.31	+ 5 40.5	1.286	2.261	6.0	17.9
3 12	11 38.45	+ 6 49.9	1.280	2.272	1.8	17.6
3 22	11 29.44	+ 7 53.6	1.300	2.283	5.4	17.9
4 1	11 21.57	+ 8 43.3	1.346	2.295	10.2	18.2
4 11	11 15.85	+ 9 14.0	1.415	2.307	14.5	18.5
4 21	11 12.81	+ 9 24.2	1.502	2.318	18.1	18.7

260396 2004 WK_3 3 14.0 235°.62 3°.3/11.3 17

2 11	12 2.08	+ 8 16.0	1.617	2.481	13.7	20.8
2 21	11 56.37	+ 9 10.0	1.543	2.474	9.8	20.5
3 2	11 48.26	+10 11.1	1.493	2.466	5.7	20.3
3 12	11 38.64	+11 11.1	1.470	2.457	3.3	20.1
3 22	11 28.64	+12 1.9	1.474	2.448	6.3	20.3
4 1	11 19.51	+12 36.7	1.505	2.439	10.6	20.5
4 11	11 12.33	+12 51.5	1.559	2.430	14.7	20.7
4 21	11 7.73	+12 45.8	1.633	2.420	18.1	20.9

413104 2001 UM_{162} 3 14.0 50°.98 10°.5/ 5.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.29	+27 8.6	1.444	2.308	15.0	20.2
2 21	11 58.47	+28 28.8	1.424	2.333	12.2	20.1
3 2	11 49.19	+29 31.1	1.428	2.359	10.6	20.1
3 12	11 38.73	+30 5.3	1.456	2.385	10.8	20.2
3 22	11 28.56	+30 6.4	1.507	2.411	12.6	20.4
4 1	11 19.97	+29 34.6	1.581	2.437	15.1	20.6
4 11	11 13.88	+28 34.7	1.674	2.464	17.5	20.8
4 21	11 10.61	+27 12.9	1.784	2.490	19.5	21.0

455764 2005 NW_{11} 3 14.0 254°.30 2°.4/12.1 17

2 11	12 1.54	+ 4 40.6	1.442	2.306	15.0	21.9
2 21	11 56.31	+ 5 42.3	1.361	2.292	10.8	21.7
3 2	11 48.40	+ 6 57.7	1.303	2.278	6.0	21.3
3 12	11 38.69	+ 8 18.3	1.272	2.263	2.4	21.1
3 22	11 28.41	+ 9 33.9	1.267	2.247	6.1	21.2
4 1	11 18.99	+10 34.9	1.288	2.231	11.2	21.5
4 11	11 11.66	+11 14.8	1.332	2.215	15.9	21.7
4 21	11 7.19	+11 31.1	1.395	2.198	19.8	21.9

211647 2003 UW_{217} 3 14.0 146°.52 4°.0/10.5 18

2 11	12 2.17	+10 42.7	1.738	2.601	12.9	20.6
2 21	11 56.14	+11 42.5	1.678	2.608	9.2	20.4
3 2	11 47.98	+12 45.4	1.643	2.613	5.6	20.2
3 12	11 38.58	+13 43.4	1.636	2.619	4.0	20.1
3 22	11 29.01	+14 29.0	1.657	2.624	6.6	20.3
4 1	11 20.39	+14 57.0	1.704	2.628	10.3	20.5
4 11	11 13.64	+15 4.9	1.776	2.633	13.8	20.7
4 21	11 9.28	+14 53.4	1.867	2.637	16.8	21.0

257291 2009 HQ_{42} 3 14.0 273°.70 5°.0/21.1 18

2 11	11 54.44	−19 7.1	2.650	3.391	12.5	20.9
2 21	11 50.28	−18 38.0	2.535	3.371	10.4	20.7
3 2	11 44.63	−17 46.6	2.443	3.350	8.0	20.5
3 12	11 38.02	−16 33.5	2.378	3.329	5.9	20.4
3 22	11 31.09	−15 1.8	2.341	3.307	5.0	20.3
4 1	11 24.58	−13 17.2	2.333	3.286	6.3	20.3
4 11	11 19.15	−11 26.8	2.355	3.264	8.7	20.4
4 21	11 15.30	− 9 38.2	2.402	3.242	11.4	20.6

519452 2011 YG_{80} 3 14.0 185°.54 6°.0/ 8.1 17

2 11	12 2.06	+16 28.3	1.831	2.697	12.2	21.8
2 21	11 56.07	+17 47.9	1.771	2.697	9.1	21.6
3 2	11 47.96	+19 5.6	1.737	2.697	6.5	21.4
3 12	11 38.58	+20 12.4	1.730	2.696	6.2	21.4
3 22	11 29.00	+21 0.7	1.751	2.694	8.5	21.6
4 1	11 20.31	+21 25.7	1.798	2.693	11.6	21.7
4 11	11 13.44	+21 26.4	1.867	2.690	14.7	21.9
4 21	11 8.93	+21 4.6	1.956	2.688	17.3	22.1

134677 1999 WD_{14} 3 14.0 231°.78 3°.9/10.4 16

2 11	12 1.74	+10 42.6	1.826	2.688	12.4	20.4
2 21	11 55.92	+11 41.0	1.749	2.679	9.0	20.2
3 2	11 47.94	+12 43.6	1.699	2.669	5.4	19.9
3 12	11 38.59	+13 42.5	1.676	2.659	4.0	19.8
3 22	11 28.91	+14 30.2	1.681	2.648	6.6	19.9
4 1	11 20.00	+15 1.0	1.714	2.637	10.3	20.1
4 11	11 12.83	+15 12.0	1.770	2.625	13.9	20.3
4 21	11 8.01	+15 2.9	1.846	2.613	17.0	20.5

111987 2002 GT_{96} 3 14.0 0°.68 1°.0/14.9 17

2 11	11 58.15	− 1 57.0	1.696	2.540	14.1	20.1
2 21	11 53.38	− 1 40.2	1.622	2.539	10.4	19.8
3 2	11 46.51	− 1 8.5	1.571	2.539	6.2	19.6
3 12	11 38.35	− 0 26.2	1.547	2.539	1.7	19.3
3 22	11 29.90	+ 0 20.8	1.550	2.539	3.5	19.4
4 1	11 22.26	+ 1 5.9	1.580	2.540	8.0	19.7
4 11	11 16.35	+ 1 42.8	1.635	2.541	12.1	19.9
4 21	11 12.74	+ 2 7.5	1.712	2.542	15.6	20.1

198315 2004 TC_{339} 3 14.0 214°.06 1°.8/11.6 18

2 11	11 57.43	+ 5 17.5	2.600	3.447	9.7	21.0
2 21	11 52.31	+ 6 28.5	2.514	3.437	6.9	20.8
3 2	11 45.72	+ 7 47.2	2.455	3.427	3.8	20.6
3 12	11 38.22	+ 9 7.9	2.427	3.417	1.8	20.4
3 22	11 30.47	+10 24.7	2.430	3.405	4.1	20.6
4 1	11 23.19	+11 32.1	2.463	3.393	7.2	20.7
4 11	11 17.03	+12 26.0	2.523	3.380	10.2	20.9
4 21	11 12.47	+13 4.4	2.605	3.366	12.7	21.1

345101 2005 NK_{35} 3 14.0 127°.85 3°.5/ 9.5 17

2 11	11 56.10	+12 4.0	2.496	3.357	9.5	21.1
2 21	11 51.31	+13 9.8	2.435	3.364	6.8	21.0
3 2	11 45.11	+14 16.9	2.402	3.370	4.3	20.8
3 12	11 38.10	+15 19.5	2.398	3.376	3.6	20.8
3 22	11 30.98	+16 12.1	2.424	3.382	5.5	20.9
4 1	11 24.45	+16 50.7	2.477	3.388	8.1	21.1
4 11	11 19.12	+17 13.2	2.556	3.394	10.7	21.3
4 21	11 15.41	+17 19.4	2.656	3.399	12.9	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
310435 2000 AV_{156}			3 14.0 139°.06	3°.4/10.3 18		
	h m	° ′			°	m
2 11	12 2.00	+10 36.3	2.235	3.089	10.8	21.3
2 21	11 55.58	+11 43.5	2.181	3.106	7.7	21.1
3 2	11 47.51	+12 52.9	2.153	3.122	4.6	20.9
3 12	11 38.52	+13 57.7	2.155	3.137	3.4	20.9
3 22	11 29.46	+14 51.9	2.188	3.151	5.6	21.0
4 1	11 21.19	+15 31.1	2.249	3.164	8.6	21.3
4 11	11 14.43	+15 53.0	2.335	3.176	11.5	21.5
4 21	11 9.59	+15 57.9	2.443	3.188	13.9	21.7
372405 2009 RB_{17}			3 14.0 145°.52	0°.9/13.1 16		
2 11	11 59.92	+ 3 4.8	2.266	3.108	11.1	22.4
2 21	11 54.12	+ 3 44.8	2.198	3.118	7.9	22.2
3 2	11 46.72	+ 4 32.9	2.157	3.128	4.3	22.0
3 12	11 38.39	+ 5 24.1	2.145	3.137	1.0	21.8
3 22	11 29.93	+ 6 13.1	2.162	3.146	3.5	22.0
4 1	11 22.16	+ 6 54.9	2.210	3.154	7.1	22.2
4 11	11 15.78	+ 7 25.9	2.284	3.161	10.3	22.5
4 21	11 11.23	+ 7 44.0	2.380	3.168	13.0	22.7
459482 2013 CO_{68}			3 14.0 55°.51	3°.3/16.6 18		
2 11	12 0.00	− 7 44.2	1.210	2.052	18.8	21.7
2 21	11 55.15	− 7 23.5	1.159	2.069	14.3	21.5
3 2	11 47.63	− 6 36.1	1.127	2.087	9.1	21.3
3 12	11 38.58	− 5 27.0	1.119	2.106	4.3	21.0
3 22	11 29.40	− 4 5.7	1.136	2.125	4.5	21.1
4 1	11 21.53	− 2 43.4	1.178	2.144	9.3	21.4
4 11	11 16.05	− 1 30.7	1.244	2.164	13.9	21.7
4 21	11 13.49	− 0 34.5	1.329	2.183	17.9	22.0
421544 2014 OX_{177}			3 14.1 327°.74	8°.1/ 7.7 18		
2 11	12 1.24	+17 15.4	1.241	2.125	15.5	20.7
2 21	11 56.31	+18 43.0	1.184	2.118	11.7	20.4
3 2	11 48.45	+20 8.3	1.150	2.112	8.7	20.2
3 12	11 38.74	+21 17.8	1.139	2.106	8.4	20.2
3 22	11 28.69	+22 0.5	1.152	2.101	11.3	20.3
4 1	11 19.88	+22 10.2	1.188	2.096	15.2	20.5
4 11	11 13.57	+21 47.0	1.243	2.091	19.1	20.7
4 21	11 10.40	+20 54.8	1.314	2.087	22.4	21.0
337657 2001 TY_{149}			3 14.1 94°.08	4°.0/ 9.3 18		
2 11	11 59.30	+14 45.3	2.406	3.265	9.9	20.5
2 21	11 53.54	+15 37.3	2.360	3.285	7.2	20.4
3 2	11 46.32	+16 27.6	2.341	3.304	4.8	20.3
3 12	11 38.33	+17 10.5	2.350	3.323	4.2	20.2
3 22	11 30.33	+17 41.4	2.389	3.342	5.9	20.4
4 1	11 23.07	+17 57.3	2.456	3.360	8.5	20.6
4 11	11 17.18	+17 57.2	2.548	3.378	11.0	20.8
4 21	11 13.04	+17 41.9	2.660	3.396	13.1	20.9
32747 1981 EY_{5}			3 14.1 151°.02	2°.8/17.6 18		
2 11	11 58.05	− 9 30.4	2.869	3.656	10.5	20.3
2 21	11 52.59	− 9 31.6	2.786	3.663	8.2	20.1
3 2	11 45.82	− 9 20.0	2.729	3.670	5.6	20.0
3 12	11 38.26	− 8 57.0	2.701	3.677	3.4	19.8
3 22	11 30.55	− 8 25.3	2.702	3.683	3.2	19.8
4 1	11 23.32	− 7 48.4	2.734	3.689	5.3	20.0
4 11	11 17.17	− 7 10.7	2.794	3.695	7.8	20.1
4 21	11 12.49	− 6 35.8	2.879	3.700	10.2	20.3
478165 2011 UG_{176}			3 14.1 257°.37	6°.9/ 4.6 16		
2 11	12 2.44	+27 58.5	2.807	3.646	9.3	21.9
2 21	11 55.93	+28 54.4	2.734	3.625	7.8	21.7
3 2	11 47.77	+29 41.4	2.687	3.604	6.9	21.6
3 12	11 38.61	+30 13.4	2.667	3.581	7.2	21.6
3 22	11 29.22	+30 26.2	2.676	3.559	8.6	21.7
4 1	11 20.42	+30 17.6	2.711	3.536	10.5	21.8
4 11	11 12.94	+29 48.0	2.769	3.512	12.4	21.9
4 21	11 7.26	+28 59.8	2.846	3.488	14.1	22.0
293698 2007 PK_{40}			3 14.1 214°.11	1°.2/15.2 17		
2 11	12 1.06	− 3 31.8	1.866	2.695	13.7	21.8
2 21	11 55.43	− 3 0.4	1.779	2.688	10.2	21.6
3 2	11 47.70	− 2 12.5	1.716	2.681	6.1	21.3
3 12	11 38.62	− 1 12.1	1.681	2.672	1.9	21.0
3 22	11 29.14	− 0 5.6	1.675	2.663	3.4	21.1
4 1	11 20.36	+ 0 59.9	1.697	2.654	7.8	21.3
4 11	11 13.22	+ 1 57.3	1.745	2.643	11.9	21.5
4 21	11 8.33	+ 2 41.8	1.816	2.632	15.4	21.7
182586 2001 TB_{224}			3 14.1 234°.13	0°.4/13.6 17		
2 11	12 1.02	+ 1 54.7	2.212	3.050	11.5	21.7
2 21	11 55.16	+ 2 23.0	2.118	3.036	8.3	21.4
3 2	11 47.46	+ 3 0.9	2.051	3.021	4.7	21.2
3 12	11 38.57	+ 3 44.2	2.012	3.005	0.8	20.8
3 22	11 29.32	+ 4 27.9	2.004	2.989	3.5	21.0
4 1	11 20.61	+ 5 6.7	2.025	2.972	7.4	21.2
4 11	11 13.28	+ 5 36.1	2.072	2.955	11.0	21.4
4 21	11 7.90	+ 5 53.5	2.142	2.937	14.1	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
420652 2012 JS_{21}			3 14.1 17°.29	3°.2/16.6 17		
	h m	° ′			°	m
2 11	11 57.80	− 6 39.2	1.420	2.259	16.7	20.3
2 21	11 53.44	− 6 38.1	1.353	2.262	12.7	20.1
3 2	11 46.68	− 6 15.3	1.307	2.267	8.2	19.8
3 12	11 38.44	− 5 34.0	1.286	2.272	4.0	19.6
3 22	11 29.90	− 4 40.5	1.290	2.278	4.3	19.6
4 1	11 22.34	− 3 42.9	1.320	2.285	8.6	19.9
4 11	11 16.80	− 2 50.0	1.373	2.292	12.9	20.1
4 21	11 13.89	− 2 8.1	1.447	2.300	16.7	20.4
265377 2004 RY_{240}			3 14.1 264°.27	0°.1/13.9 18		
2 11	11 57.41	− 0 13.1	1.860	2.706	13.0	20.9
2 21	11 52.73	+ 0 30.8	1.782	2.703	9.4	20.6
3 2	11 46.14	+ 1 28.4	1.729	2.699	5.3	20.4
3 12	11 38.35	+ 2 34.3	1.703	2.696	0.9	20.1
3 22	11 30.28	+ 3 41.8	1.706	2.693	3.6	20.3
4 1	11 22.91	+ 4 43.6	1.736	2.690	7.9	20.5
4 11	11 17.11	+ 5 33.7	1.792	2.686	11.8	20.7
4 21	11 13.42	+ 6 8.6	1.869	2.683	15.1	20.9
473915 2016 EJ_{151}			3 14.1 207°.48	0°.4/13.6 17		
2 11	11 57.01	− 0 39.0	2.019	2.861	12.3	21.3
2 21	11 52.34	+ 0 29.7	1.938	2.858	8.9	21.1
3 2	11 45.87	+ 1 53.0	1.883	2.854	5.0	20.9
3 12	11 38.30	+ 3 24.9	1.856	2.849	0.8	20.6
3 22	11 30.46	+ 4 57.6	1.859	2.845	3.6	20.8
4 1	11 23.25	+ 6 23.4	1.891	2.840	7.7	21.0
4 11	11 17.48	+ 7 35.7	1.949	2.835	11.4	21.2
4 21	11 13.67	+ 8 30.8	2.029	2.829	14.6	21.4
469092 2015 BL_{455}			3 14.1 20°.89	5°.4/ 8.1 17		
2 11	11 55.37	+12 45.0	1.699	2.576	12.4	20.9
2 21	11 51.36	+14 30.6	1.645	2.580	9.0	20.7
3 2	11 45.37	+16 18.9	1.616	2.583	6.0	20.6
3 12	11 38.21	+17 59.2	1.614	2.588	5.6	20.6
3 22	11 30.85	+19 22.1	1.640	2.592	8.2	20.7
4 1	11 24.34	+20 21.1	1.691	2.597	11.6	20.9
4 11	11 19.52	+20 53.4	1.764	2.602	14.7	21.1
4 21	11 16.90	+20 59.9	1.856	2.608	17.4	21.3
18439 1994 LJ_{1}			3 14.1 353°.71	10°.1/ 5.1 18		
2 11	11 56.90	+22 31.4	1.270	2.157	15.0	16.5
2 21	11 53.12	+24 10.6	1.222	2.150	12.0	16.3
3 2	11 46.60	+25 40.2	1.195	2.145	10.2	16.2
3 12	11 38.43	+26 46.7	1.192	2.140	10.7	16.2
3 22	11 30.01	+27 20.4	1.212	2.137	13.2	16.3
4 1	11 22.80	+27 16.8	1.252	2.135	16.4	16.5
4 11	11 17.94	+26 37.7	1.310	2.135	19.6	16.7
4 21	11 16.01	+25 28.5	1.383	2.136	22.3	16.9
418252 2008 DH_{82}			3 14.1 38°.84	1°.9/12.2 18		
2 11	11 55.64	+ 1 47.4	1.467	2.333	14.7	20.6
2 21	11 51.76	+ 3 21.4	1.407	2.340	10.4	20.4
3 2	11 45.67	+ 5 11.5	1.371	2.346	5.6	20.1
3 12	11 38.26	+ 7 7.6	1.362	2.354	1.9	19.9
3 22	11 30.65	+ 8 58.1	1.380	2.361	5.4	20.1
4 1	11 23.99	+10 32.3	1.424	2.369	10.1	20.4
4 11	11 19.21	+11 43.3	1.491	2.377	14.3	20.7
4 21	11 16.85	+12 28.5	1.579	2.386	17.7	20.9
344251 2001 SV_{244}			3 14.1 147°.43	1°.1/12.7 17		
2 11	11 57.15	+ 4 22.3	2.696	3.540	9.5	21.8
2 21	11 51.97	+ 5 1.8	2.626	3.548	6.7	21.7
3 2	11 45.47	+ 5 47.1	2.583	3.555	3.7	21.5
3 12	11 38.22	+ 6 34.2	2.570	3.562	1.1	21.3
3 22	11 30.85	+ 7 18.7	2.588	3.569	3.3	21.5
4 1	11 24.02	+ 7 56.5	2.635	3.576	6.3	21.7
4 11	11 18.31	+ 8 24.5	2.709	3.582	9.1	21.8
4 21	11 14.11	+ 8 41.3	2.807	3.588	11.4	22.0
195484 2002 GH_{139}			3 14.1 300°.01	0°.8/13.3 18		
2 11	12 0.28	+ 3 22.7	1.877	2.727	12.7	20.1
2 21	11 54.76	+ 3 43.4	1.802	2.726	9.1	19.9
3 2	11 47.26	+ 4 12.9	1.753	2.725	5.1	19.6
3 12	11 38.54	+ 4 46.3	1.730	2.723	1.0	19.3
3 22	11 29.57	+ 5 18.3	1.737	2.722	3.9	19.5
4 1	11 21.37	+ 5 43.5	1.771	2.721	8.1	19.8
4 11	11 14.80	+ 5 57.9	1.831	2.720	11.9	20.0
4 21	11 10.42	+ 5 59.5	1.912	2.718	15.1	20.2
173279 1999 TZ_{67}			3 14.1 145°.26	1°.4/12.7 18		
2 11	12 1.40	+ 3 55.4	1.928	2.777	12.5	21.4
2 21	11 55.43	+ 4 43.1	1.863	2.786	8.9	21.2
3 2	11 47.56	+ 5 39.7	1.823	2.795	4.9	21.0
3 12	11 38.59	+ 6 39.0	1.812	2.804	1.4	20.7
3 22	11 29.45	+ 7 34.3	1.830	2.812	4.3	20.9
4 1	11 21.15	+ 8 19.8	1.877	2.819	8.3	21.2
4 11	11 14.49	+ 8 51.4	1.949	2.826	11.8	21.4
4 21	11 9.98	+ 9 7.2	2.042	2.832	14.8	21.6

319021 2005 VA_1 3 14.1 91°.98 18°.6/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 22.01	+41 19.8	1.108	1.936	21.1	19.9
2 21	12 11.60	+42 53.8	1.090	1.948	19.4	19.8
3 2	11 56.87	+43 47.3	1.089	1.960	18.6	19.8
3 12	11 40.12	+43 45.5	1.108	1.972	19.1	19.9
3 22	11 24.11	+42 44.7	1.145	1.984	20.6	20.0
4 1	11 11.17	+40 51.6	1.200	1.995	22.5	20.2
4 11	11 2.56	+38 19.7	1.270	2.007	24.6	20.4
4 21	10 58.42	+35 23.3	1.354	2.018	26.4	20.6

341471 2007 TV_{329} 3 14.1 64°.80 0°.8/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.76	+ 3 32.8	2.065	2.914	11.8	20.9
2 21	11 53.41	+ 3 58.0	2.002	2.926	8.4	20.7
3 2	11 46.37	+ 4 31.0	1.965	2.938	4.6	20.5
3 12	11 38.38	+ 5 6.8	1.957	2.949	1.0	20.3
3 22	11 30.27	+ 5 40.6	1.977	2.961	3.6	20.5
4 1	11 22.92	+ 6 7.6	2.025	2.973	7.4	20.7
4 11	11 17.06	+ 6 24.3	2.099	2.985	10.7	21.0
4 21	11 13.12	+ 6 29.1	2.196	2.997	13.6	21.2

345716 2006 WP_{178} 3 14.1 135°.55 1°.6/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.32	+ 6 19.8	2.610	3.459	9.6	21.7
2 21	11 52.13	+ 6 57.4	2.543	3.467	6.8	21.5
3 2	11 45.58	+ 7 39.6	2.502	3.474	3.8	21.3
3 12	11 38.25	+ 8 22.1	2.491	3.481	1.6	21.2
3 22	11 30.81	+ 9 0.5	2.510	3.488	3.7	21.4
4 1	11 23.94	+ 9 30.9	2.559	3.495	6.7	21.6
4 11	11 18.23	+ 9 50.6	2.634	3.502	9.5	21.7
4 21	11 14.09	+ 9 58.4	2.731	3.508	11.8	21.9

346226 2007 YH_{69} 3 14.1 22°.95 3°.0/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 56.09	+ 8 59.9	2.033	2.898	11.2	20.6
2 21	11 51.59	+ 9 56.4	1.970	2.901	8.0	20.4
3 2	11 45.40	+10 57.2	1.933	2.905	4.6	20.2
3 12	11 38.23	+11 55.8	1.924	2.910	3.0	20.1
3 22	11 30.90	+12 45.8	1.943	2.914	5.4	20.3
4 1	11 24.28	+13 22.3	1.990	2.919	8.7	20.5
4 11	11 19.10	+13 42.2	2.060	2.924	11.9	20.7
4 21	11 15.82	+13 44.8	2.152	2.929	14.6	20.9

215589 2003 JO_7 3 14.1 323°.07 5°.3/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 52.53	−18 38.9	2.072	2.836	14.8	20.0
2 21	11 49.24	−17 57.1	1.969	2.821	12.2	19.8
3 2	11 44.20	−16 46.7	1.888	2.806	9.3	19.5
3 12	11 38.05	−15 9.0	1.832	2.792	6.5	19.3
3 22	11 31.56	−13 8.8	1.804	2.778	5.4	19.2
4 1	11 25.62	−10 54.5	1.804	2.764	7.1	19.3
4 11	11 21.03	− 8 36.7	1.832	2.751	10.2	19.5
4 21	11 18.35	− 6 25.4	1.885	2.739	13.4	19.6

408141 2013 CX_{86} 3 14.1 332°.01 0°.5/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.25	+ 0 37.0	1.282	2.142	16.8	20.5
2 21	11 57.00	+ 0 37.5	1.210	2.136	12.4	20.2
3 2	11 48.87	+ 0 52.7	1.159	2.131	7.1	19.9
3 12	11 38.88	+ 1 17.8	1.133	2.125	1.5	19.5
3 22	11 28.40	+ 1 46.3	1.132	2.121	4.5	19.7
4 1	11 18.98	+ 2 10.9	1.156	2.116	10.1	20.0
4 11	11 11.91	+ 2 25.0	1.203	2.113	15.1	20.3
4 21	11 7.91	+ 2 25.2	1.268	2.109	19.4	20.5

133059 2003 EC_{58} 3 14.1 345°.03 25°.2/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.66	+53 28.0	0.916	1.736	25.2	17.6
2 21	11 58.21	+56 1.0	0.898	1.715	26.0	17.5
3 2	11 50.34	+57 38.3	0.892	1.695	27.3	17.5
3 12	11 39.13	+58 4.3	0.896	1.679	28.9	17.6
3 22	11 27.76	+57 13.2	0.909	1.665	30.6	17.6
4 1	11 19.26	+55 8.8	0.930	1.653	32.3	17.7
4 11	11 15.35	+52 2.3	0.958	1.645	33.8	17.8
4 21	11 16.17	+48 7.6	0.992	1.639	35.1	17.9

297285 1997 SO_6 3 14.1 139°.18 0°.1/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.41	+ 0 8.1	1.743	2.584	14.0	22.0
2 21	11 57.05	+ 0 38.1	1.678	2.595	10.1	21.7
3 2	11 48.55	+ 1 20.9	1.636	2.606	5.7	21.5
3 12	11 38.80	+ 2 11.1	1.623	2.616	1.0	21.2
3 22	11 28.87	+ 3 2.2	1.638	2.625	3.7	21.4
4 1	11 19.89	+ 3 47.7	1.681	2.634	8.2	21.7
4 11	11 12.76	+ 4 22.2	1.750	2.642	12.2	22.0
4 21	11 8.03	+ 4 42.8	1.841	2.649	15.5	22.2

244048 2001 TB_9 3 14.1 120°.36 1°.2/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.35	− 2 10.6	1.618	2.454	15.1	20.4
2 21	11 57.83	− 1 56.7	1.555	2.468	11.1	20.2
3 2	11 49.03	− 1 27.6	1.515	2.481	6.6	20.0
3 12	11 38.89	− 0 47.7	1.503	2.494	1.9	19.7
3 22	11 28.58	− 0 3.2	1.518	2.507	3.7	19.8
4 1	11 19.31	+ 0 39.1	1.561	2.518	8.3	20.1
4 11	11 12.07	+ 1 13.1	1.630	2.530	12.4	20.4
4 21	11 7.38	+ 1 35.1	1.719	2.541	15.9	20.7

114781 2003 ML_4 3 14.1 196°.04 3°.5/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 1.80	− 9 38.1	2.012	2.810	14.0	20.6
2 21	11 55.87	− 9 32.9	1.924	2.808	10.9	20.3
3 2	11 47.94	− 9 8.7	1.859	2.805	7.4	20.1
3 12	11 38.72	− 8 27.5	1.821	2.801	4.2	19.9
3 22	11 29.14	− 7 33.3	1.812	2.796	4.1	19.9
4 1	11 20.23	− 6 32.2	1.833	2.791	7.2	20.1
4 11	11 12.88	− 5 31.5	1.879	2.784	10.8	20.3
4 21	11 7.70	− 4 37.3	1.949	2.778	14.1	20.5

124634 2001 SL_{64} 3 14.1 247°.20 0°.6/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.39	+ 0 43.8	1.721	2.567	13.9	20.6
2 21	11 55.95	+ 1 33.1	1.629	2.550	10.1	20.3
3 2	11 48.16	+ 2 37.9	1.560	2.531	5.7	20.0
3 12	11 38.78	+ 3 52.3	1.519	2.512	1.0	19.7
3 22	11 28.85	+ 5 8.3	1.507	2.493	4.3	19.9
4 1	11 19.58	+ 6 17.4	1.522	2.472	9.2	20.1
4 11	11 12.04	+ 7 12.6	1.563	2.451	13.6	20.3
4 21	11 6.97	+ 7 49.6	1.624	2.429	17.4	20.5

101888 1999 NM_{42} 3 14.1 186°.06 1°.8/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.85	− 5 8.9	2.169	2.983	12.6	21.0
2 21	11 55.73	− 4 50.9	2.084	2.983	9.5	20.8
3 2	11 47.78	− 4 18.2	2.024	2.983	5.9	20.6
3 12	11 38.69	− 3 33.8	1.993	2.981	2.4	20.3
3 22	11 29.31	− 2 42.4	1.991	2.979	3.1	20.4
4 1	11 20.59	− 1 49.5	2.019	2.976	6.8	20.6
4 11	11 13.32	− 1 1.1	2.075	2.972	10.3	20.8
4 21	11 8.05	− 0 21.4	2.153	2.967	13.4	21.0

242631 2005 MY_4 3 14.1 187°.46 6°.9/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 56.83	+26 47.5	2.799	3.650	9.0	20.9
2 21	11 51.91	+28 32.3	2.752	3.649	7.5	20.8
3 2	11 45.53	+30 9.1	2.732	3.648	6.9	20.7
3 12	11 38.29	+31 31.0	2.741	3.647	7.4	20.7
3 22	11 30.85	+32 32.9	2.778	3.645	8.8	20.8
4 1	11 23.96	+33 12.1	2.839	3.643	10.6	20.9
4 11	11 18.26	+33 28.4	2.922	3.641	12.3	21.1
4 21	11 14.18	+33 23.6	3.022	3.638	13.8	21.2

59723 1999 KO_8 3 14.1 313°.81 9°.9/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 55.89	−24 53.0	1.712	2.445	18.6	18.2
2 21	11 52.15	−25 22.6	1.617	2.432	16.2	17.9
3 2	11 46.09	−25 19.8	1.540	2.419	13.6	17.7
3 12	11 38.43	−24 41.5	1.484	2.406	11.2	17.6
3 22	11 30.21	−23 28.4	1.451	2.394	9.9	17.4
4 1	11 22.67	−21 46.2	1.442	2.382	10.5	17.4
4 11	11 16.91	−19 46.0	1.458	2.370	12.8	17.5
4 21	11 13.68	−17 40.1	1.496	2.359	15.7	17.7

500551 2012 UR_{40} 3 14.1 130°.58 1°.2/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.17	+ 4 40.2	2.628	3.473	9.7	22.0
2 21	11 52.01	+ 5 22.3	2.562	3.485	6.8	21.9
3 2	11 45.52	+ 6 10.3	2.524	3.496	3.7	21.7
3 12	11 38.28	+ 6 59.6	2.515	3.506	1.2	21.5
3 22	11 30.93	+ 7 45.7	2.536	3.517	3.4	21.7
4 1	11 24.16	+ 8 24.6	2.587	3.526	6.4	21.9
4 11	11 18.54	+ 8 53.2	2.664	3.536	9.2	22.1
4 21	11 14.45	+ 9 10.0	2.765	3.545	11.6	22.3

306155 2010 KL_{127} 3 14.1 213°.61 5°.8/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.36	+23 47.6	2.952	3.805	8.5	21.3
2 21	11 52.20	+25 4.8	2.891	3.797	6.8	21.2
3 2	11 45.66	+26 16.4	2.857	3.790	5.8	21.1
3 12	11 38.31	+27 16.4	2.852	3.781	6.1	21.1
3 22	11 30.78	+28 0.4	2.876	3.773	7.5	21.2
4 1	11 23.75	+28 25.6	2.925	3.764	9.4	21.3
4 11	11 17.83	+28 31.4	2.998	3.754	11.3	21.5
4 21	11 13.43	+28 19.1	3.090	3.744	12.9	21.6

432037 2008 WS_{63} 3 14.1 226°.80 5°.1/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.44	+19 29.9	2.789	3.641	9.0	21.7
2 21	11 54.48	+20 38.8	2.711	3.626	6.9	21.6
3 2	11 47.00	+21 44.8	2.661	3.610	5.3	21.4
3 12	11 38.56	+22 41.8	2.641	3.593	5.3	21.4
3 22	11 29.87	+23 24.8	2.650	3.575	6.9	21.5
4 1	11 21.67	+23 50.4	2.688	3.557	9.2	21.6
4 11	11 14.65	+23 57.4	2.750	3.537	11.4	21.7
4 21	11 9.28	+23 46.5	2.832	3.517	13.4	21.9

409988 2006 VN_{134} 3 14.1 102°.72 3°.3/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.16	−10 20.5	2.029	2.825	14.0	21.5
2 21	11 55.13	− 9 59.3	1.969	2.852	10.8	21.3
3 2	11 47.35	− 9 18.9	1.932	2.877	7.3	21.2
3 12	11 38.60	− 8 22.4	1.922	2.902	4.1	21.0
3 22	11 29.80	− 7 15.2	1.942	2.926	3.8	21.0
4 1	11 21.86	− 6 4.1	1.991	2.949	6.7	21.2
4 11	11 15.51	− 4 56.0	2.067	2.972	9.9	21.5
4 21	11 11.21	− 3 56.3	2.166	2.994	12.8	21.7

153627 2001 TZ_{45} 3 14.1 131°.93 8°.6/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.95	−20 47.3	1.986	2.717	16.4	20.6
2 21	11 59.05	−22 0.2	1.905	2.723	14.0	20.5
3 2	11 49.83	−22 49.9	1.846	2.730	11.5	20.3
3 12	11 39.08	−23 13.2	1.811	2.736	9.4	20.2
3 22	11 27.87	−23 10.1	1.803	2.741	8.6	20.2
4 1	11 17.39	−22 43.9	1.821	2.747	9.6	20.2
4 11	11 8.70	−22 1.6	1.864	2.752	11.8	20.4
4 21	11 2.47	−21 11.5	1.931	2.757	14.2	20.5

128507 2004 PO_{31} 3 14.1 85°.22 1°.7/12.2 18

2 11	11 59.79	+ 4 9.6	2.011	2.861	12.0	20.2
2 21	11 54.07	+ 5 17.2	1.967	2.892	8.4	20.1
3 2	11 46.71	+ 6 32.3	1.949	2.922	4.6	19.9
3 12	11 38.50	+ 7 47.8	1.960	2.951	1.7	19.7
3 22	11 30.31	+ 8 57.0	2.001	2.980	4.3	20.0
4 1	11 23.01	+ 9 54.1	2.071	3.009	7.9	20.2
4 11	11 17.27	+10 35.5	2.166	3.037	11.1	20.5
4 21	11 13.49	+11 0.2	2.283	3.064	13.7	20.7

60688 2000 GY_{35} 3 14.1 116°.59 0°.5/14.7 18

2 11	11 57.68	− 1 30.5	2.270	3.102	11.5	19.6
2 21	11 52.58	− 1 0.8	2.199	3.112	8.4	19.5
3 2	11 45.94	− 0 19.7	2.154	3.121	4.8	19.2
3 12	11 38.39	+ 0 28.7	2.137	3.130	1.2	19.0
3 22	11 30.69	+ 1 19.4	2.150	3.138	2.8	19.1
4 1	11 23.63	+ 2 7.3	2.192	3.147	6.4	19.4
4 11	11 17.90	+ 2 47.8	2.261	3.155	9.7	19.6
4 21	11 13.92	+ 3 17.7	2.353	3.163	12.5	19.8

73169 2002 GE_{174} 3 14.1 232°.17 0°.7/13.3 18

2 11	11 57.39	+ 1 44.3	2.309	3.151	10.9	20.4
2 21	11 52.49	+ 2 33.9	2.221	3.141	7.9	20.2
3 2	11 45.96	+ 3 33.9	2.159	3.130	4.4	19.9
3 12	11 38.40	+ 4 39.4	2.126	3.119	0.8	19.6
3 22	11 30.56	+ 5 44.6	2.123	3.107	3.5	19.8
4 1	11 23.25	+ 6 43.7	2.149	3.095	7.1	20.0
4 11	11 17.19	+ 7 31.9	2.202	3.083	10.5	20.2
4 21	11 12.89	+ 8 6.3	2.277	3.070	13.4	20.4

286896 2002 PM_{43} 3 14.1 194°.84 2°.8/11.2 18

2 11	12 0.03	− 0 32.0	1.287	2.147	16.7	20.4
2 21	11 55.39	+ 2 16.5	1.215	2.146	11.9	20.1
3 2	11 47.99	+ 5 34.4	1.169	2.144	6.4	19.8
3 12	11 38.79	+ 9 5.4	1.151	2.141	2.9	19.6
3 22	11 29.12	+12 28.8	1.162	2.138	7.4	19.8
4 1	11 20.46	+15 25.4	1.201	2.134	12.9	20.1
4 11	11 14.07	+17 43.3	1.264	2.129	17.7	20.4
4 21	11 10.66	+19 19.6	1.344	2.123	21.7	20.6

501011 2013 RL_{38} 3 14.1 227°.77 1°.0/13.2 17

2 11	12 2.42	+ 4 12.8	2.068	2.913	11.9	21.7
2 21	11 56.25	+ 4 31.2	1.984	2.904	8.6	21.5
3 2	11 48.14	+ 4 57.0	1.925	2.896	4.8	21.2
3 12	11 38.80	+ 5 25.6	1.894	2.887	1.1	21.0
3 22	11 29.13	+ 5 52.3	1.893	2.877	3.9	21.1
4 1	11 20.13	+ 6 12.4	1.921	2.867	7.9	21.4
4 11	11 12.67	+ 6 22.3	1.976	2.857	11.5	21.6
4 21	11 7.29	+ 6 20.1	2.052	2.847	14.6	21.8

185627 2008 CC_{178} 3 14.1 317°.03 2°.0/11.9 17

2 11	11 58.60	+ 7 48.3	2.309	3.163	10.5	20.1
2 21	11 53.27	+ 8 14.5	2.235	3.161	7.5	19.9
3 2	11 46.35	+ 8 44.7	2.187	3.159	4.2	19.7
3 12	11 38.47	+ 9 14.2	2.167	3.157	2.0	19.5
3 22	11 30.41	+ 9 38.5	2.177	3.155	4.2	19.7
4 1	11 22.97	+ 9 53.8	2.216	3.153	7.5	19.9
4 11	11 16.85	+ 9 57.5	2.280	3.151	10.6	20.1
4 21	11 12.52	+ 9 48.8	2.367	3.149	13.3	20.2

506187 2016 GC_{99} 3 14.1 229°.40 0°.8/13.2 17

2 11	11 57.95	+ 1 43.4	2.171	3.015	11.5	22.2
2 21	11 52.98	+ 2 36.1	2.085	3.006	8.3	22.0
3 2	11 46.28	+ 3 40.0	2.024	2.996	4.6	21.7
3 12	11 38.49	+ 4 49.7	1.993	2.985	0.9	21.4
3 22	11 30.39	+ 5 59.0	1.990	2.975	3.7	21.6
4 1	11 22.86	+ 7 1.5	2.017	2.963	7.5	21.8
4 11	11 16.68	+ 7 52.0	2.070	2.952	11.1	22.0
4 21	11 12.37	+ 8 27.6	2.146	2.940	14.1	22.2

308571 2005 UP_{405} 3 14.1 65°.11 3°.3/16.8 18

2 11	11 59.68	− 8 21.2	1.291	2.126	18.2	20.4
2 21	11 54.94	− 7 55.5	1.231	2.139	13.9	20.2
3 2	11 47.61	− 7 2.9	1.192	2.151	9.0	20.0
3 12	11 38.73	− 5 48.3	1.178	2.164	4.3	19.7
3 22	11 29.64	− 4 20.4	1.188	2.177	4.4	19.8
4 1	11 21.71	− 2 50.6	1.224	2.190	9.0	20.0
4 11	11 16.04	− 1 29.9	1.284	2.203	13.7	20.3
4 21	11 13.20	− 0 25.5	1.364	2.216	17.6	20.6

461927 2006 SA_{149} 3 14.1 349°.35 2°.6/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 57.34	− 6 44.0	1.487	2.323	16.2	20.7
2 21	11 53.14	− 6 21.6	1.412	2.321	12.3	20.4
3 2	11 46.60	− 5 36.5	1.358	2.319	7.9	20.1
3 12	11 38.57	− 4 32.6	1.329	2.317	3.5	19.9
3 22	11 30.17	− 3 17.1	1.326	2.315	4.0	19.9
4 1	11 22.63	− 1 59.2	1.350	2.314	8.5	20.2
4 11	11 17.01	− 0 48.4	1.398	2.314	13.0	20.4
4 21	11 13.93	+ 0 8.5	1.466	2.313	16.9	20.6

278706 2008 SF_{21} 3 14.1 126°.50 1°.3/15.4 17

2 11	11 58.32	− 3 50.1	2.116	2.942	12.4	21.0
2 21	11 53.17	− 3 21.9	2.043	2.950	9.2	20.8
3 2	11 46.34	− 2 39.7	1.995	2.958	5.5	20.6
3 12	11 38.50	− 1 47.3	1.975	2.966	1.9	20.4
3 22	11 30.50	− 0 50.1	1.985	2.973	2.9	20.5
4 1	11 23.17	+ 0 6.0	2.023	2.980	6.7	20.7
4 11	11 17.27	+ 0 55.6	2.087	2.987	10.1	20.9
4 21	11 13.26	+ 1 34.6	2.175	2.994	13.1	21.1

73224 2002 JK_{25} 3 14.1 251°.99 2°.0/16.4 18

2 11	11 56.22	− 7 26.7	2.177	2.990	12.6	20.0
2 21	11 51.79	− 6 43.1	2.080	2.978	9.6	19.8
3 2	11 45.65	− 5 41.1	2.009	2.965	6.1	19.6
3 12	11 38.40	− 4 24.0	1.965	2.952	2.7	19.3
3 22	11 30.82	− 2 57.4	1.950	2.938	3.0	19.3
4 1	11 23.75	− 1 28.6	1.964	2.924	6.6	19.5
4 11	11 17.99	− 0 5.0	2.006	2.910	10.3	19.7
4 21	11 14.07	+ 1 7.7	2.071	2.896	13.5	19.9

193945 2001 RT_{42} 3 14.1 103°.12 1°.5/15.2 18

2 11	12 4.05	− 2 16.2	1.427	2.270	16.4	20.9
2 21	11 57.98	− 2 14.8	1.360	2.276	12.1	20.7
3 2	11 49.31	− 1 56.7	1.316	2.283	7.3	20.4
3 12	11 39.05	− 1 26.1	1.298	2.289	2.3	20.1
3 22	11 28.49	− 0 49.0	1.306	2.295	4.0	20.3
4 1	11 19.02	− 0 12.8	1.340	2.301	9.0	20.6
4 11	11 11.77	+ 0 16.0	1.399	2.306	13.6	20.8
4 21	11 7.35	+ 0 32.8	1.478	2.312	17.4	21.1

458833 2011 UR_{28} 3 14.1 132°.88 3°.7/17.5 18

2 11	12 1.72	− 9 52.7	1.742	2.549	15.5	21.8
2 21	11 55.95	− 9 42.9	1.671	2.560	12.0	21.6
3 2	11 48.03	− 9 11.5	1.622	2.570	8.1	21.4
3 12	11 38.82	− 8 21.1	1.599	2.580	4.6	21.2
3 22	11 29.37	− 7 17.1	1.604	2.589	4.3	21.2
4 1	11 20.80	− 6 7.1	1.637	2.597	7.7	21.4
4 11	11 14.05	− 4 59.3	1.696	2.606	11.5	21.6
4 21	11 9.67	− 4 0.4	1.777	2.613	14.9	21.9

181856 1998 XV_{3} 3 14.1 114°.75 1°.6/15.8 18

2 11	12 1.57	− 4 56.1	2.069	2.887	13.0	20.3
2 21	11 55.43	− 4 30.2	2.007	2.908	9.6	20.2
3 2	11 47.56	− 3 49.7	1.969	2.929	5.9	20.0
3 12	11 38.72	− 2 58.3	1.960	2.949	2.3	19.8
3 22	11 29.80	− 2 1.4	1.981	2.969	3.0	19.9
4 1	11 21.70	− 1 5.1	2.031	2.988	6.7	20.1
4 11	11 15.16	− 0 15.1	2.108	3.006	10.1	20.4
4 21	11 10.63	+ 0 24.8	2.208	3.023	13.0	20.6

38467 1999 TW_{33} 3 14.1 245°.67 0°.8/13.3 18

2 11	11 59.67	+ 3 4.7	2.135	2.980	11.6	19.7
2 21	11 54.26	+ 3 34.0	2.048	2.969	8.4	19.5
3 2	11 47.03	+ 4 12.2	1.986	2.958	4.6	19.2
3 12	11 38.65	+ 4 54.6	1.953	2.946	1.0	19.0
3 22	11 29.95	+ 5 36.1	1.950	2.934	3.7	19.1
4 1	11 21.83	+ 6 11.4	1.974	2.922	7.6	19.4
4 11	11 15.12	+ 6 36.2	2.025	2.909	11.2	19.5
4 21	11 10.36	+ 6 48.3	2.099	2.896	14.2	19.7

321152 2008 UX_{307} 3 14.1 187°.47 2°.9/10.1 18

2 11	11 57.48	+ 9 50.9	2.568	3.424	9.5	21.3
2 21	11 52.38	+11 2.8	2.496	3.423	6.8	21.2
3 2	11 45.84	+12 18.3	2.452	3.422	4.1	21.0
3 12	11 38.43	+13 31.5	2.438	3.420	3.0	20.9
3 22	11 30.84	+14 36.5	2.454	3.418	5.0	21.0
4 1	11 23.78	+15 28.8	2.500	3.415	7.9	21.2
4 11	11 17.90	+16 5.4	2.571	3.412	10.6	21.4
4 21	11 13.62	+16 25.4	2.663	3.408	12.9	21.5

269033 2007 FK_{23} 3 14.1 67°.31 1°.8/12.6 18

2 11	12 1.05	+ 5 38.7	1.727	2.585	13.2	20.7
2 21	11 55.39	+ 6 9.2	1.666	2.594	9.4	20.5
3 2	11 47.67	+ 6 46.9	1.629	2.602	5.2	20.3
3 12	11 38.76	+ 7 25.8	1.620	2.611	1.8	20.1
3 22	11 29.69	+ 7 59.6	1.638	2.620	4.7	20.3
4 1	11 21.56	+ 8 23.0	1.684	2.629	8.9	20.5
4 11	11 15.22	+ 8 32.5	1.754	2.638	12.6	20.8
4 21	11 11.20	+ 8 27.1	1.845	2.647	15.8	21.0

330895 2009 SZ_{18} 3 14.1 353°.94 0°.7/14.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 55.79	− 2 21.8	1.434	2.289	15.6	20.6
2 21	11 52.06	− 1 43.0	1.362	2.286	11.5	20.4
3 2	11 46.01	− 0 44.7	1.312	2.283	6.7	20.1
3 12	11 38.49	+ 0 27.1	1.288	2.280	1.6	19.7
3 22	11 30.63	+ 1 43.9	1.289	2.279	4.0	19.9
4 1	11 23.64	+ 2 56.0	1.317	2.278	9.0	20.2
4 11	11 18.58	+ 3 55.2	1.367	2.278	13.6	20.5
4 21	11 16.05	+ 4 36.3	1.438	2.279	17.5	20.7

195485 2002 GG_{142} 3 14.1 294°.46 5°.2/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.58	+15 11.6	1.844	2.711	12.1	19.7
2 21	11 55.14	+16 6.1	1.773	2.701	8.9	19.5
3 2	11 47.60	+16 59.9	1.727	2.692	6.1	19.3
3 12	11 38.77	+17 45.1	1.709	2.682	5.4	19.2
3 22	11 29.64	+18 14.9	1.718	2.673	7.6	19.4
4 1	11 21.32	+18 24.9	1.753	2.663	10.9	19.5
4 11	11 14.72	+18 13.6	1.811	2.654	14.2	19.7
4 21	11 10.41	+17 42.2	1.888	2.645	17.0	19.9

500399 2012 TY_{94} 3 14.1 169°.50 1°.0/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.28	− 3 19.4	2.685	3.504	10.3	22.3
2 21	11 52.17	− 2 54.7	2.604	3.507	7.6	22.1
3 2	11 45.70	− 2 19.2	2.548	3.510	4.6	22.0
3 12	11 38.42	− 1 35.9	2.522	3.513	1.5	21.7
3 22	11 30.97	− 0 48.6	2.527	3.515	2.5	21.8
4 1	11 24.02	− 0 1.9	2.561	3.516	5.6	22.0
4 11	11 18.18	+ 0 40.1	2.623	3.518	8.5	22.2
4 21	11 13.85	+ 1 14.2	2.709	3.518	11.1	22.4

108909 2001 PQ_{10} 3 14.1 197°.74 0°.5/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.66	+ 0 33.6	2.174	3.013	11.6	20.4
2 21	11 53.47	+ 1 30.5	2.092	3.010	8.4	20.2
3 2	11 46.56	+ 2 39.5	2.036	3.007	4.7	19.9
3 12	11 38.58	+ 3 55.1	2.009	3.003	0.8	19.6
3 22	11 30.34	+ 5 10.7	2.013	2.998	3.5	19.8
4 1	11 22.71	+ 6 20.0	2.045	2.992	7.4	20.1
4 11	11 16.45	+ 7 17.3	2.104	2.986	10.9	20.3
4 21	11 12.07	+ 7 59.6	2.186	2.980	13.9	20.5

462268 2008 EC_{117} 3 14.1 20°.41 2°.7/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.93	+ 8 43.8	1.374	2.242	15.4	20.9
2 21	11 58.63	+ 8 47.8	1.314	2.246	11.0	20.6
3 2	11 49.67	+ 8 55.5	1.277	2.251	6.3	20.4
3 12	11 39.13	+ 9 0.6	1.266	2.256	2.7	20.2
3 22	11 28.40	+ 8 57.4	1.281	2.263	5.8	20.4
4 1	11 18.89	+ 8 41.7	1.322	2.269	10.6	20.7
4 11	11 11.74	+ 8 11.7	1.386	2.276	14.9	20.9
4 21	11 7.51	+ 7 28.1	1.469	2.284	18.5	21.2

321260 2009 DS_{35} 3 14.1 285°.36 0°.6/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.17	+ 1 0.4	1.547	2.403	14.6	21.2
2 21	11 54.55	+ 1 42.7	1.460	2.386	10.7	20.9
3 2	11 47.49	+ 2 40.7	1.396	2.368	6.0	20.6
3 12	11 38.79	+ 3 48.5	1.358	2.351	1.0	20.2
3 22	11 29.53	+ 4 57.9	1.347	2.333	4.5	20.4
4 1	11 21.00	+ 6 0.0	1.362	2.316	9.6	20.6
4 11	11 14.33	+ 6 47.5	1.401	2.299	14.3	20.8
4 21	11 10.26	+ 7 16.2	1.460	2.281	18.3	21.1

334987 2004 FR_{55} 3 14.1 308°.91 3°.6/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.83	+ 6 50.5	1.222	2.100	16.1	20.6
2 21	11 55.41	+ 7 57.1	1.153	2.091	11.6	20.3
3 2	11 48.10	+ 9 15.8	1.106	2.082	6.6	20.0
3 12	11 38.89	+10 36.1	1.084	2.073	3.7	19.8
3 22	11 29.19	+11 46.2	1.086	2.064	7.3	20.0
4 1	11 20.55	+12 36.1	1.113	2.056	12.5	20.2
4 11	11 14.28	+13 0.2	1.160	2.048	17.3	20.5
4 21	11 11.11	+12 57.8	1.225	2.041	21.4	20.7

244195 2001 YP_{35} 3 14.1 140°.77 3°.7/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.35	+14 11.5	2.604	3.462	9.3	20.7
2 21	11 52.93	+15 1.4	2.544	3.469	6.8	20.5
3 2	11 46.11	+15 50.6	2.511	3.476	4.4	20.4
3 12	11 38.49	+16 33.9	2.508	3.482	3.8	20.4
3 22	11 30.78	+17 6.7	2.534	3.489	5.5	20.5
4 1	11 23.68	+17 25.9	2.589	3.495	8.0	20.6
4 11	11 17.80	+17 30.0	2.668	3.500	10.5	20.8
4 21	11 13.53	+17 19.4	2.770	3.506	12.6	21.0

286349 2001 XV_{123} 3 14.1 99°.35 3°.2/18.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 56.18	−10 33.5	2.372	3.167	12.2	20.5
2 21	11 51.55	−10 19.6	2.293	3.174	9.6	20.3
3 2	11 45.42	− 9 48.8	2.238	3.180	6.6	20.2
3 12	11 38.39	− 9 3.4	2.210	3.187	3.9	20.0
3 22	11 31.17	− 8 7.2	2.210	3.193	3.5	20.0
4 1	11 24.53	− 7 5.5	2.240	3.199	6.0	20.1
4 11	11 19.13	− 6 4.3	2.297	3.205	8.9	20.3
4 21	11 15.41	− 5 8.7	2.378	3.212	11.6	20.5

84600 2002 VH_{32} 3 14.1 61°.96 0°.4/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 57.93	+ 1 34.2	1.998	2.845	12.2	19.9
2 21	11 52.90	+ 2 9.2	1.940	2.862	8.7	19.7
3 2	11 46.18	+ 2 53.9	1.908	2.879	4.8	19.5
3 12	11 38.52	+ 3 43.3	1.903	2.896	0.8	19.2
3 22	11 30.78	+ 4 31.6	1.927	2.913	3.4	19.5
4 1	11 23.82	+ 5 13.4	1.979	2.930	7.3	19.7
4 11	11 18.35	+ 5 44.5	2.056	2.947	10.7	20.0
4 21	11 14.82	+ 6 2.7	2.156	2.964	13.6	20.2

244507 2002 TK_{154} 3 14.1 135°.53 4°.0/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 56.50	−13 15.0	2.262	3.045	13.1	20.3
2 21	11 51.88	−12 58.3	2.180	3.050	10.5	20.1
3 2	11 45.65	−12 21.7	2.120	3.054	7.5	19.9
3 12	11 38.44	−11 27.2	2.087	3.058	4.8	19.7
3 22	11 31.02	−10 18.9	2.083	3.062	4.2	19.7
4 1	11 24.19	− 9 2.8	2.107	3.066	6.4	19.8
4 11	11 18.68	− 7 45.8	2.158	3.069	9.3	20.0
4 21	11 14.95	− 6 34.3	2.234	3.073	12.1	20.2

380413 2003 AS_{76} 3 14.1 41°.96 3°.1/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.35	+10 12.4	1.781	2.644	12.6	19.9
2 21	11 55.44	+10 37.7	1.733	2.663	9.0	19.7
3 2	11 47.62	+11 4.8	1.710	2.682	5.2	19.5
3 12	11 38.78	+11 27.8	1.715	2.702	3.1	19.4
3 22	11 29.94	+11 41.5	1.748	2.722	5.5	19.6
4 1	11 22.11	+11 42.2	1.807	2.742	9.1	19.9
4 11	11 16.08	+11 28.6	1.891	2.763	12.4	20.1
4 21	11 12.27	+11 1.1	1.996	2.784	15.2	20.4

333596 2007 EP_{99} 3 14.1 303°.39 0°.1/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.68	+ 2 3.4	1.665	2.516	14.0	20.2
2 21	11 56.36	+ 2 6.8	1.567	2.489	10.3	19.9
3 2	11 48.56	+ 2 20.7	1.491	2.462	5.9	19.6
3 12	11 39.02	+ 2 41.2	1.442	2.435	1.0	19.2
3 22	11 28.79	+ 3 3.3	1.421	2.409	4.1	19.3
4 1	11 19.16	+ 3 21.1	1.427	2.382	9.1	19.6
4 11	11 11.29	+ 3 29.5	1.457	2.356	13.7	19.8
4 21	11 5.99	+ 3 25.3	1.507	2.330	17.7	20.0

229977 1999 VM_{62} 3 14.1 129°.88 1°.7/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.50	+ 5 29.7	2.125	2.976	11.4	20.9
2 21	11 54.01	+ 6 10.1	2.059	2.984	8.1	20.7
3 2	11 46.82	+ 6 57.1	2.018	2.991	4.5	20.5
3 12	11 38.65	+ 7 45.1	2.007	2.998	1.7	20.3
3 22	11 30.33	+ 8 28.6	2.025	3.005	4.2	20.5
4 1	11 22.74	+ 9 2.8	2.071	3.012	7.8	20.7
4 11	11 16.60	+ 9 24.2	2.143	3.018	11.0	20.9
4 21	11 12.37	+ 9 31.6	2.237	3.024	13.8	21.1

73073 2002 GA_{1} 3 14.1 246°.99 3°.7/10.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.87	+10 9.6	1.741	2.603	13.0	19.9
2 21	11 56.96	+11 0.8	1.661	2.590	9.4	19.7
3 2	11 48.74	+11 56.7	1.606	2.577	5.6	19.4
3 12	11 39.02	+12 49.6	1.579	2.563	3.8	19.3
3 22	11 28.89	+13 32.0	1.579	2.550	6.5	19.4
4 1	11 19.53	+13 57.8	1.607	2.535	10.5	19.6
4 11	11 12.01	+14 3.9	1.658	2.520	14.4	19.8
4 21	11 6.96	+13 50.2	1.729	2.505	17.6	20.0

164580 2006 SN_{356} 3 14.1 195°.54 0°.4/13.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.82	+ 0 41.3	1.967	2.809	12.6	21.6
2 21	11 54.46	+ 1 27.2	1.888	2.807	9.1	21.3
3 2	11 47.19	+ 2 25.5	1.834	2.805	5.1	21.1
3 12	11 38.74	+ 3 30.7	1.809	2.802	0.9	20.8
3 22	11 30.00	+ 4 36.2	1.812	2.798	3.7	21.0
4 1	11 21.97	+ 5 35.3	1.845	2.795	7.8	21.2
4 11	11 15.46	+ 6 22.6	1.903	2.790	11.6	21.4
4 21	11 11.04	+ 6 54.9	1.983	2.786	14.8	21.6

452780 2006 DC_{94} 3 14.1 64°.44 0°.2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.87	− 0 40.3	1.318	2.176	16.5	21.1
2 21	11 54.99	+ 0 13.4	1.264	2.191	11.9	20.8
3 2	11 47.62	+ 1 25.3	1.233	2.205	6.7	20.6
3 12	11 38.82	+ 2 46.9	1.226	2.219	1.1	20.2
3 22	11 29.87	+ 4 8.1	1.246	2.234	4.5	20.5
4 1	11 22.09	+ 5 19.1	1.292	2.249	9.7	20.9
4 11	11 16.52	+ 6 12.4	1.361	2.264	14.2	21.1
4 21	11 13.67	+ 6 44.9	1.449	2.278	18.0	21.4

237249 2008 WD_{69} 3 14.1 181°.46 0°.1/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.54	+ 0 19.7	2.303	3.141	11.1	21.3
2 21	11 52.57	+ 0 58.1	2.225	3.141	8.0	21.1
3 2	11 46.03	+ 1 47.0	2.172	3.142	4.5	20.9
3 12	11 38.53	+ 2 41.9	2.148	3.141	0.8	20.6
3 22	11 30.84	+ 3 37.5	2.154	3.141	3.1	20.8
4 1	11 23.72	+ 4 28.7	2.190	3.140	6.7	21.0
4 11	11 17.89	+ 5 10.7	2.251	3.140	10.0	21.2
4 21	11 13.80	+ 5 40.8	2.336	3.138	12.8	21.4

384063 2008 UA_{317} 3 14.1 88°.68 3°.9/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 57.30	+11 53.3	2.176	3.040	10.6	20.7
2 21	11 52.38	+13 7.1	2.124	3.054	7.6	20.5
3 2	11 45.88	+14 22.2	2.099	3.067	4.8	20.4
3 12	11 38.50	+15 31.7	2.103	3.081	4.0	20.3
3 22	11 31.03	+16 29.4	2.135	3.094	6.1	20.5
4 1	11 24.28	+17 10.7	2.195	3.107	9.0	20.7
4 11	11 18.93	+17 33.4	2.280	3.121	11.7	20.9
4 21	11 15.40	+17 37.8	2.385	3.133	14.1	21.1

35059 1986 QM_{1} 3 14.1 239°.57 1°.3/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.99	+ 3 6.1	1.828	2.676	13.1	19.9
2 21	11 56.29	+ 3 52.5	1.738	2.661	9.5	19.7
3 2	11 48.37	+ 4 50.7	1.673	2.645	5.3	19.4
3 12	11 38.98	+ 5 54.6	1.636	2.629	1.3	19.1
3 22	11 29.12	+ 6 57.1	1.628	2.612	4.5	19.2
4 1	11 19.91	+ 7 50.7	1.649	2.594	9.0	19.5
4 11	11 12.37	+ 8 30.0	1.694	2.575	13.1	19.7
4 21	11 7.16	+ 8 52.0	1.760	2.556	16.6	19.9

508210 2015 GV_{16} 3 14.1 248°.34 1°.1/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 54.95	+ 3 0.2	2.751	3.594	9.3	21.7
2 21	11 50.59	+ 4 5.6	2.657	3.579	6.7	21.5
3 2	11 44.89	+ 5 19.9	2.591	3.563	3.7	21.3
3 12	11 38.34	+ 6 38.3	2.555	3.547	1.1	21.1
3 22	11 31.54	+ 7 55.4	2.550	3.530	3.4	21.2
4 1	11 25.14	+ 9 5.9	2.575	3.513	6.5	21.4
4 11	11 19.73	+10 5.2	2.627	3.496	9.4	21.5
4 21	11 15.76	+10 50.9	2.702	3.479	11.9	21.7

336496 2008 WW_{31} 3 14.1 108°.59 0°.5/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.46	+ 2 0.5	2.155	2.999	11.5	21.3
2 21	11 53.26	+ 2 33.3	2.087	3.007	8.3	21.1
3 2	11 46.41	+ 3 15.1	2.044	3.015	4.6	20.8
3 12	11 38.61	+ 4 1.4	2.030	3.023	0.8	20.6
3 22	11 30.65	+ 4 46.8	2.044	3.030	3.4	20.8
4 1	11 23.37	+ 5 26.2	2.088	3.037	7.1	21.0
4 11	11 17.50	+ 5 55.7	2.158	3.045	10.4	21.3
4 21	11 13.48	+ 6 12.9	2.250	3.052	13.3	21.5

302862 2003 GY_{44} 3 14.1 309°.70 0°.7/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.21	+ 0 12.2	1.298	2.156	16.7	20.6
2 21	11 57.13	+ 0 11.7	1.217	2.143	12.4	20.3
3 2	11 49.14	+ 0 26.2	1.159	2.130	7.3	20.0
3 12	11 39.15	+ 0 51.6	1.124	2.117	1.7	19.6
3 22	11 28.52	+ 1 21.4	1.115	2.105	4.5	19.7
4 1	11 18.82	+ 1 48.2	1.132	2.093	10.2	20.0
4 11	11 11.41	+ 2 5.1	1.170	2.081	15.4	20.3
4 21	11 7.11	+ 2 8.0	1.228	2.071	19.8	20.5

55648 2786 P–L 3 14.1 52°.52 4°.0/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.20	+11 54.9	1.483	2.349	14.6	18.6
2 21	11 59.29	+12 13.4	1.432	2.362	10.5	18.4
3 2	11 49.93	+12 32.0	1.405	2.376	6.3	18.2
3 12	11 39.23	+12 43.6	1.405	2.390	4.0	18.1
3 22	11 28.51	+12 42.7	1.432	2.405	6.6	18.3
4 1	11 19.08	+12 25.8	1.485	2.419	10.7	18.6
4 11	11 11.93	+11 52.5	1.561	2.434	14.5	18.8
4 21	11 7.55	+11 4.6	1.657	2.450	17.6	19.1

200858 2001 YR_{63} 3 14.1 118°.91 4°.2/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.46	− 9 50.6	1.586	2.398	16.5	20.1
2 21	11 56.70	− 9 53.1	1.516	2.407	12.9	19.9
3 2	11 48.58	− 9 32.8	1.468	2.416	8.8	19.6
3 12	11 39.02	− 8 51.9	1.445	2.425	5.1	19.4
3 22	11 29.18	− 7 55.6	1.450	2.434	4.7	19.4
4 1	11 20.31	− 6 51.7	1.481	2.442	8.2	19.7
4 11	11 13.42	− 5 49.1	1.537	2.450	12.2	19.9
4 21	11 9.12	− 4 54.7	1.615	2.458	15.8	20.2

213596 2002 PN_{36} 3 14.1 288°.79 1°.2/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.72	− 2 36.0	1.563	2.407	15.2	20.7
2 21	11 55.00	− 2 17.3	1.471	2.388	11.3	20.4
3 2	11 47.80	− 1 40.9	1.403	2.370	6.8	20.1
3 12	11 38.92	− 0 50.5	1.360	2.351	2.0	19.8
3 22	11 29.44	+ 0 7.3	1.344	2.333	3.9	19.8
4 1	11 20.64	+ 1 4.5	1.354	2.315	8.9	20.1
4 11	11 13.70	+ 1 53.2	1.389	2.296	13.7	20.3
4 21	11 9.36	+ 2 27.8	1.443	2.278	17.8	20.5

127827 2003 FB_{93} 3 14.1 14°.71 4°.3/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.13	+ 8 15.4	1.168	2.052	16.3	19.1
2 21	11 54.83	+ 9 26.8	1.114	2.054	11.7	18.8
3 2	11 47.72	+10 47.3	1.081	2.056	6.8	18.5
3 12	11 38.88	+12 5.1	1.072	2.059	4.4	18.4
3 22	11 29.78	+13 8.7	1.088	2.063	7.8	18.6
4 1	11 21.91	+13 49.2	1.127	2.067	12.7	18.9
4 11	11 16.47	+14 2.8	1.187	2.073	17.2	19.2
4 21	11 14.05	+13 50.2	1.264	2.078	20.9	19.4

134082 2004 XN_{89} 3 14.1 107°.53 2°.8/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.98	+ 7 43.9	1.608	2.467	14.0	20.2
2 21	11 58.28	+ 8 26.5	1.556	2.484	10.0	20.0
3 2	11 49.34	+ 9 14.6	1.528	2.500	5.6	19.8
3 12	11 39.14	+10 0.6	1.527	2.516	2.8	19.6
3 22	11 28.89	+10 37.5	1.554	2.531	5.7	19.8
4 1	11 19.77	+11 0.0	1.609	2.546	9.8	20.1
4 11	11 12.72	+11 5.4	1.688	2.561	13.6	20.4
4 21	11 8.22	+10 53.7	1.786	2.575	16.7	20.6

344315 2001 UL_{199} 3 14.1 256°.64 2°.2/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 55.97	− 7 16.1	2.274	3.087	12.1	20.9
2 21	11 51.52	− 6 51.9	2.189	3.085	9.2	20.7
3 2	11 45.49	− 6 11.9	2.127	3.082	6.0	20.5
3 12	11 38.48	− 5 18.9	2.094	3.079	2.9	20.2
3 22	11 31.23	− 4 17.4	2.089	3.076	3.0	20.2
4 1	11 24.53	− 3 13.3	2.113	3.073	6.2	20.4
4 11	11 19.08	− 2 12.5	2.164	3.071	9.5	20.6
4 21	11 15.37	− 1 19.9	2.239	3.068	12.4	20.8

227566 2005 YQ_{199} 3 14.1 129°.96 0°.6/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.20	− 1 34.1	2.026	2.861	12.5	21.1
2 21	11 53.91	− 1 5.9	1.954	2.867	9.2	20.9
3 2	11 46.85	− 0 25.1	1.907	2.874	5.3	20.6
3 12	11 38.73	+ 0 24.2	1.888	2.880	1.3	20.4
3 22	11 30.41	+ 1 16.3	1.898	2.886	3.1	20.5
4 1	11 22.81	+ 2 5.4	1.936	2.892	7.1	20.8
4 11	11 16.70	+ 2 46.3	2.001	2.897	10.7	21.0
4 21	11 12.58	+ 3 15.6	2.088	2.902	13.7	21.2

161254 2003 EH_{41} 3 14.1 60°.58 2°.0/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 55.34	+ 5 28.8	2.197	3.054	10.8	20.4
2 21	11 51.03	+ 6 35.2	2.132	3.060	7.6	20.2
3 2	11 45.18	+ 7 48.8	2.093	3.066	4.2	20.0
3 12	11 38.43	+ 9 3.4	2.083	3.073	2.0	19.9
3 22	11 31.53	+10 12.6	2.102	3.079	4.4	20.0
4 1	11 25.26	+11 10.6	2.149	3.085	7.8	20.3
4 11	11 20.29	+11 53.5	2.222	3.092	10.9	20.5
4 21	11 17.05	+12 19.8	2.317	3.098	13.5	20.7

225971 2002 CL_{135} 3 14.1 178°.68 2°.4/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.57	− 6 25.0	2.023	2.839	13.3	20.7
2 21	11 54.27	− 6 16.3	1.942	2.840	10.1	20.5
3 2	11 47.11	− 5 51.5	1.884	2.840	6.5	20.2
3 12	11 38.79	− 5 13.2	1.855	2.840	3.1	20.0
3 22	11 30.19	− 4 26.0	1.853	2.840	3.4	20.0
4 1	11 22.27	− 3 35.7	1.880	2.840	6.9	20.3
4 11	11 15.84	− 2 48.2	1.934	2.840	10.5	20.5
4 21	11 11.44	− 2 8.7	2.010	2.839	13.7	20.7

374036 2004 GH_{4} 3 14.1 9°.43 12°.2/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.66	+26 43.6	0.987	1.851	20.3	20.2
2 21	12 11.81	+27 7.3	0.937	1.851	16.5	20.0
3 2	11 57.50	+27 7.6	0.906	1.851	13.2	19.8
3 12	11 40.63	+26 29.7	0.897	1.852	12.3	19.7
3 22	11 23.80	+25 7.5	0.912	1.853	14.5	19.9
4 1	11 9.51	+23 4.9	0.949	1.855	18.3	20.1
4 11	10 59.38	+20 33.4	1.006	1.857	22.3	20.3
4 21	10 53.88	+17 45.8	1.079	1.859	25.9	20.6

42675 1998 HW_{119} 3 14.1 18°.19 3°.7/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.00	+ 7 3.9	1.368	2.244	14.9	18.0
2 21	11 53.73	+ 8 27.1	1.308	2.245	10.6	17.7
3 2	11 47.00	+10 0.4	1.273	2.247	6.1	17.5
3 12	11 38.78	+11 33.2	1.262	2.250	3.8	17.3
3 22	11 30.29	+12 54.2	1.278	2.253	7.1	17.5
4 1	11 22.84	+13 54.6	1.319	2.256	11.6	17.8
4 11	11 17.47	+14 29.4	1.382	2.259	15.7	18.0
4 21	11 14.76	+14 38.4	1.463	2.263	19.2	18.3

16686 1994 PL_{9} 3 14.1 153°.94 1°.7/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.54	− 4 33.3	2.611	3.424	10.7	18.1
2 21	11 53.14	− 4 29.7	2.530	3.428	8.1	18.0
3 2	11 46.32	− 4 15.0	2.474	3.431	5.0	17.8
3 12	11 38.64	− 3 51.5	2.447	3.435	2.2	17.6
3 22	11 30.78	− 3 22.4	2.451	3.438	2.6	17.6
4 1	11 23.45	− 2 51.6	2.484	3.441	5.6	17.8
4 11	11 17.27	− 2 23.0	2.545	3.444	8.6	18.0
4 21	11 12.68	− 2 0.0	2.630	3.447	11.2	18.2

123893 2001 DW_{52} 3 14.1 85°.47 0°.2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.11	+ 1 37.9	1.958	2.799	12.7	19.8
2 21	11 55.90	+ 1 58.0	1.903	2.821	9.1	19.7
3 2	11 47.89	+ 2 27.5	1.873	2.843	5.1	19.5
3 12	11 38.91	+ 3 1.6	1.871	2.864	0.9	19.2
3 22	11 29.90	+ 3 35.3	1.899	2.886	3.4	19.4
4 1	11 21.77	+ 4 3.6	1.955	2.907	7.3	19.7
4 11	11 15.30	+ 4 22.8	2.038	2.928	10.8	20.0
4 21	11 10.91	+ 4 30.8	2.142	2.948	13.7	20.2

501055 2013 SP_8 3 14.1 210°.55 0°.8/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 59.93	− 2 0.8	2.113	2.943	12.3	22.2
2 21	11 54.49	− 1 36.6	2.028	2.939	9.1	22.0
3 2	11 47.22	− 0 59.6	1.968	2.933	5.3	21.7
3 12	11 38.82	− 0 13.6	1.936	2.928	1.5	21.5
3 22	11 30.12	+ 0 36.5	1.933	2.922	3.1	21.6
4 1	11 22.03	+ 1 24.9	1.960	2.915	7.0	21.8
4 11	11 15.37	+ 2 6.4	2.012	2.908	10.7	22.0
4 21	11 10.67	+ 2 37.1	2.088	2.901	13.8	22.2

142143 2002 RM_{18} 3 14.1 257°.50 0°.9/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.16	+ 2 3.3	1.804	2.653	13.2	20.7
2 21	11 55.01	+ 2 48.1	1.714	2.637	9.6	20.4
3 2	11 47.69	+ 3 45.8	1.648	2.620	5.3	20.1
3 12	11 38.93	+ 4 50.5	1.610	2.603	1.1	19.8
3 22	11 29.70	+ 5 55.2	1.601	2.586	4.3	20.0
4 1	11 21.10	+ 6 52.4	1.619	2.568	8.8	20.2
4 11	11 14.14	+ 7 36.0	1.662	2.550	13.0	20.4
4 21	11 9.47	+ 8 2.6	1.727	2.531	16.6	20.6

176754 2002 RK_{134} 3 14.1 224°.28 3°.8/10.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.67	+10 36.7	2.071	2.930	11.3	21.4
2 21	11 55.11	+11 49.9	1.991	2.919	8.1	21.2
3 2	11 47.62	+13 7.7	1.938	2.907	5.0	21.0
3 12	11 38.91	+14 22.7	1.914	2.895	3.9	20.9
3 22	11 29.86	+15 27.3	1.919	2.882	6.2	21.0
4 1	11 21.45	+16 15.8	1.952	2.869	9.7	21.2
4 11	11 14.53	+16 44.5	2.010	2.854	12.9	21.4
4 21	11 9.68	+16 53.2	2.088	2.839	15.8	21.5

77929 2002 GO_7 3 14.1 231°.58 4°.5/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.35	+11 55.8	1.756	2.620	12.7	19.8
2 21	11 56.57	+13 0.6	1.682	2.611	9.2	19.5
3 2	11 48.54	+14 8.7	1.634	2.602	5.8	19.3
3 12	11 39.08	+15 11.6	1.613	2.593	4.6	19.2
3 22	11 29.26	+16 1.3	1.620	2.582	7.2	19.3
4 1	11 20.26	+16 31.7	1.653	2.572	10.9	19.5
4 11	11 13.07	+16 40.3	1.710	2.561	14.5	19.7
4 21	11 8.32	+16 27.4	1.786	2.550	17.6	19.9

56995 2000 SU_{299} 3 14.1 352°.59 4°.2/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 54.52	−13 41.4	2.153	2.940	13.6	19.3
2 21	11 50.60	−13 21.8	2.067	2.939	10.9	19.1
3 2	11 45.04	−12 40.7	2.003	2.937	7.8	18.9
3 12	11 38.45	−11 40.2	1.966	2.936	5.1	18.7
3 22	11 31.61	−10 24.5	1.955	2.935	4.4	18.7
4 1	11 25.35	− 9 0.1	1.974	2.934	6.5	18.8
4 11	11 20.40	− 7 34.8	2.019	2.934	9.6	19.0
4 21	11 17.27	− 6 15.4	2.088	2.934	12.6	19.2

39914 1998 FN_{41} 3 14.1 265°.87 0°.1/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.70	+ 0 34.3	1.746	2.590	13.8	19.4
2 21	11 56.26	+ 1 2.2	1.650	2.570	10.1	19.1
3 2	11 48.49	+ 1 43.8	1.578	2.548	5.8	18.8
3 12	11 39.11	+ 2 34.5	1.533	2.526	1.0	18.4
3 22	11 29.14	+ 3 27.9	1.517	2.504	4.0	18.6
4 1	11 19.78	+ 4 16.7	1.528	2.481	8.8	18.8
4 11	11 12.12	+ 4 54.6	1.564	2.458	13.3	19.0
4 21	11 6.90	+ 5 17.6	1.621	2.434	17.1	19.2

326317 1999 VN_{23} 3 14.1 137°.74 2°.1/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.75	+ 8 54.7	3.097	3.940	8.4	22.1
2 21	11 53.73	+ 9 43.7	3.038	3.959	5.9	22.0
3 2	11 46.53	+10 34.8	3.008	3.977	3.4	21.8
3 12	11 38.70	+11 23.9	3.009	3.994	2.1	21.7
3 22	11 30.82	+12 7.1	3.042	4.011	3.8	21.9
4 1	11 23.48	+12 41.1	3.105	4.027	6.3	22.1
4 11	11 17.19	+13 4.0	3.196	4.041	8.6	22.2
4 21	11 12.30	+13 14.9	3.310	4.055	10.6	22.4

17040 Almeida 3 14.1 77°.04 0°.3/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.37	− 1 40.2	1.442	2.294	15.7	17.9
2 21	11 54.66	− 0 52.0	1.375	2.297	11.5	17.6
3 2	11 47.54	+ 0 15.0	1.330	2.300	6.6	17.3
3 12	11 38.93	+ 1 34.0	1.310	2.303	1.3	17.0
3 22	11 30.01	+ 2 55.9	1.318	2.306	4.1	17.2
4 1	11 22.07	+ 4 10.8	1.351	2.309	9.3	17.5
4 11	11 16.14	+ 5 10.8	1.409	2.312	13.8	17.8
4 21	11 12.84	+ 5 51.5	1.486	2.315	17.6	18.0

191908 2005 EX_{121} 3 14.1 75°.75 0°.9/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.72	− 2 19.7	1.474	2.319	15.8	20.7
2 21	11 56.13	− 1 50.0	1.420	2.338	11.6	20.5
3 2	11 48.24	− 1 3.2	1.388	2.356	6.8	20.3
3 12	11 39.03	− 0 5.2	1.382	2.374	1.8	20.0
3 22	11 29.73	+ 0 56.2	1.404	2.393	3.8	20.2
4 1	11 21.54	+ 1 53.0	1.452	2.411	8.6	20.5
4 11	11 15.42	+ 2 38.2	1.524	2.429	12.9	20.8
4 21	11 11.88	+ 3 8.2	1.617	2.447	16.4	21.1

383702 2007 TK_{436} 3 14.1 224°.80 0°.4/13.7 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 1.84	+ 3 9.2	2.383	3.220	10.8	20.9
2 21	11 55.70	+ 3 18.9	2.295	3.212	7.8	20.7
3 2	11 47.87	+ 3 35.3	2.234	3.204	4.4	20.5
3 12	11 38.98	+ 3 55.1	2.202	3.195	0.8	20.2
3 22	11 29.82	+ 4 14.3	2.201	3.186	3.2	20.3
4 1	11 21.21	+ 4 29.2	2.229	3.177	6.8	20.6
4 11	11 13.93	+ 4 36.7	2.285	3.168	10.1	20.7
4 21	11 8.46	+ 4 34.8	2.363	3.158	12.9	20.9

299304 2005 QX_{48} 3 14.1 181°.59 1°.4/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.20	+ 6 17.0	2.744	3.589	9.3	21.0
2 21	11 52.85	+ 6 44.4	2.667	3.590	6.6	20.8
3 2	11 46.15	+ 7 16.2	2.618	3.590	3.7	20.6
3 12	11 38.66	+ 7 48.5	2.599	3.590	1.4	20.4
3 22	11 31.01	+ 8 17.4	2.610	3.589	3.4	20.6
4 1	11 23.88	+ 8 39.4	2.650	3.589	6.4	20.8
4 11	11 17.85	+ 8 52.1	2.718	3.588	9.1	21.0
4 21	11 13.34	+ 8 54.2	2.809	3.587	11.5	21.1

300098 2006 UB_{260} 3 14.1 42°.36 0°.8/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 55.97	− 2 36.3	2.098	2.933	12.2	20.8
2 21	11 51.56	− 2 5.1	2.029	2.942	8.9	20.6
3 2	11 45.53	− 1 20.9	1.985	2.951	5.3	20.4
3 12	11 38.56	− 0 27.7	1.968	2.960	1.5	20.1
3 22	11 31.43	+ 0 28.9	1.980	2.969	2.9	20.2
4 1	11 24.96	+ 1 23.2	2.020	2.978	6.6	20.5
4 11	11 19.86	+ 2 9.7	2.087	2.988	10.1	20.7
4 21	11 16.57	+ 2 45.1	2.176	2.998	13.0	20.9

256332 2006 XN_{26} 3 14.1 98°.54 0°.3/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.09	+ 0 0.6	1.741	2.588	13.7	20.4
2 21	11 54.05	+ 0 52.4	1.678	2.599	9.9	20.1
3 2	11 47.02	+ 1 58.0	1.639	2.610	5.5	19.9
3 12	11 38.83	+ 3 10.9	1.627	2.620	0.9	19.6
3 22	11 30.47	+ 4 23.6	1.643	2.630	3.8	19.8
4 1	11 22.97	+ 5 28.5	1.688	2.640	8.2	20.1
4 11	11 17.18	+ 6 19.6	1.757	2.650	12.1	20.4
4 21	11 13.61	+ 6 53.9	1.848	2.660	15.3	20.6

37113 2000 UK_{104} 3 14.1 248°.91 3°.6/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.88	− 7 54.1	1.683	2.500	15.5	18.1
2 21	11 56.42	− 7 59.8	1.594	2.490	12.0	17.8
3 2	11 48.59	− 7 45.7	1.528	2.480	8.1	17.6
3 12	11 39.16	− 7 13.4	1.487	2.470	4.3	17.3
3 22	11 29.20	− 6 27.2	1.473	2.459	4.4	17.3
4 1	11 19.96	− 5 33.8	1.487	2.448	8.2	17.5
4 11	11 12.52	− 4 41.2	1.525	2.436	12.4	17.7
4 21	11 7.60	− 3 56.0	1.586	2.425	16.2	17.9

458152 2010 JP_{83} 3 14.1 305°.93 6°.9/ 8.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.57	+13 26.1	1.247	2.132	15.4	20.9
2 21	11 55.51	+14 56.9	1.167	2.105	11.4	20.6
3 2	11 48.42	+16 34.5	1.110	2.079	7.8	20.3
3 12	11 39.16	+18 5.9	1.076	2.052	7.2	20.1
3 22	11 29.12	+19 17.4	1.067	2.026	10.5	20.2
4 1	11 19.93	+19 58.8	1.080	2.001	15.2	20.4
4 11	11 13.08	+20 5.6	1.113	1.975	19.8	20.6
4 21	11 9.46	+19 39.2	1.161	1.951	23.8	20.8

432245 2009 QL_{39} 3 14.1 99°.79 0°.4/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.75	− 0 26.7	2.182	3.010	12.0	22.2
2 21	11 56.20	− 0 4.3	2.127	3.038	8.7	22.0
3 2	11 48.03	+ 0 28.3	2.099	3.065	5.0	21.9
3 12	11 39.00	+ 1 6.8	2.099	3.091	1.1	21.6
3 22	11 29.96	+ 1 46.4	2.130	3.117	2.9	21.8
4 1	11 21.76	+ 2 22.4	2.190	3.142	6.6	22.1
4 11	11 15.07	+ 2 50.8	2.277	3.167	9.9	22.3
4 21	11 10.32	+ 3 9.2	2.388	3.190	12.6	22.6

26626 2000 GZ_{96} 3 14.1 110°.36 4°.8/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.78	−15 12.8	1.929	2.707	15.2	18.7
2 21	11 53.74	−14 50.0	1.857	2.722	12.2	18.6
3 2	11 46.83	−14 2.3	1.806	2.736	8.9	18.4
3 12	11 38.81	−12 52.2	1.782	2.750	5.8	18.2
3 22	11 30.61	−11 25.1	1.785	2.763	5.0	18.2
4 1	11 23.21	− 9 48.9	1.817	2.776	7.2	18.3
4 11	11 17.41	− 8 12.6	1.875	2.789	10.4	18.6
4 21	11 13.71	− 6 44.1	1.958	2.801	13.4	18.8

41567 2000 RN_{73} 3 14.2 237°.15 0°.3/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 55.35	+ 0 19.0	2.351	3.192	10.8	18.7
2 21	11 51.03	+ 1 7.6	2.273	3.191	7.8	18.5
3 2	11 45.23	+ 2 6.9	2.220	3.191	4.4	18.2
3 12	11 38.53	+ 3 12.3	2.197	3.190	0.7	18.0
3 22	11 31.63	+ 4 18.1	2.202	3.189	3.1	18.1
4 1	11 25.27	+ 5 18.8	2.237	3.188	6.6	18.4
4 11	11 20.12	+ 6 9.6	2.299	3.187	9.8	18.6
4 21	11 16.60	+ 6 47.6	2.383	3.186	12.6	18.7

17708 1997 *WB* 3 14.2 245°.01 0°.5/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 59.61	− 0 9.9	1.623	2.473	14.4	19.1
2 21	11 54.79	+ 0 50.0	1.540	2.462	10.5	18.9
3 2	11 47.66	+ 2 7.4	1.479	2.451	5.9	18.6
3 12	11 39.00	+ 3 35.6	1.446	2.439	1.0	18.2
3 22	11 29.88	+ 5 5.5	1.441	2.427	4.3	18.4
4 1	11 21.50	+ 6 27.6	1.463	2.415	9.3	18.7
4 11	11 14.92	+ 7 34.0	1.510	2.402	13.7	18.9
4 21	11 10.81	+ 8 20.3	1.577	2.389	17.5	19.1

207990 1998 ES_2 3 14.2 9°.19 3°.0/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 48.43	−10 25.3	0.981	1.841	20.7	19.3
2 21	11 47.42	− 9 11.4	0.922	1.843	15.9	19.0
3 2	11 43.70	− 7 16.1	0.882	1.847	10.3	18.7
3 12	11 38.29	− 4 48.0	0.864	1.853	4.5	18.4
3 22	11 32.55	− 2 3.2	0.869	1.860	4.5	18.4
4 1	11 27.97	+ 0 38.0	0.897	1.870	10.1	18.8
4 11	11 25.70	+ 2 57.6	0.947	1.881	15.6	19.1
4 21	11 26.31	+ 4 45.1	1.015	1.894	20.2	19.4

276591 2003 ST_{384} 3 14.2 224°.60 1°.2/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.75	+ 3 26.6	2.156	3.005	11.3	21.8
2 21	11 52.90	+ 4 16.6	2.076	3.000	8.1	21.5
3 2	11 46.35	+ 5 15.8	2.022	2.995	4.5	21.3
3 12	11 38.75	+ 6 18.9	1.997	2.989	1.3	21.1
3 22	11 30.89	+ 7 19.6	2.001	2.984	3.9	21.2
4 1	11 23.63	+ 8 12.2	2.034	2.978	7.6	21.5
4 11	11 17.73	+ 8 52.1	2.093	2.972	11.1	21.7
4 21	11 13.68	+ 9 17.0	2.173	2.966	14.0	21.8

415187 2012 GE_{11} 3 14.2 134°.53 2°.1/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.43	− 6 55.4	1.890	2.710	13.9	20.9
2 21	11 53.53	− 6 17.1	1.815	2.716	10.5	20.7
3 2	11 46.74	− 5 19.7	1.765	2.723	6.6	20.5
3 12	11 38.82	− 4 7.5	1.741	2.729	2.8	20.3
3 22	11 30.66	− 2 46.9	1.746	2.735	3.3	20.3
4 1	11 23.26	− 1 25.8	1.779	2.740	7.1	20.6
4 11	11 17.42	− 0 11.7	1.839	2.745	10.9	20.8
4 21	11 13.68	+ 0 49.9	1.922	2.750	14.2	21.0

229163 2004 TC_{67} 3 14.2 210°.16 2°.5/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.38	+ 8 37.7	2.528	3.378	9.8	21.4
2 21	11 53.87	+ 9 33.5	2.446	3.371	7.0	21.2
3 2	11 46.83	+10 33.7	2.392	3.362	4.1	21.0
3 12	11 38.83	+11 32.9	2.368	3.354	2.5	20.9
3 22	11 30.59	+12 25.7	2.374	3.344	4.6	21.0
4 1	11 22.88	+13 7.5	2.409	3.334	7.7	21.2
4 11	11 16.36	+13 35.3	2.471	3.323	10.6	21.3
4 21	11 11.53	+13 48.1	2.555	3.311	13.1	21.5

468243 2015 BK_{246} 3 14.2 276°.98 0°.5/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.74	+ 1 6.5	1.917	2.765	12.6	21.4
2 21	11 53.05	+ 1 49.6	1.841	2.763	9.1	21.1
3 2	11 46.49	+ 2 44.8	1.789	2.760	5.1	20.9
3 12	11 38.78	+ 3 46.5	1.765	2.758	0.9	20.6
3 22	11 30.79	+ 4 48.2	1.769	2.755	3.7	20.8
4 1	11 23.50	+ 5 43.4	1.801	2.753	7.9	21.0
4 11	11 17.71	+ 6 26.6	1.859	2.750	11.6	21.3
4 21	11 13.97	+ 6 54.8	1.938	2.748	14.8	21.5

17004 Sinkevich 3 14.2 185°.79 1°.6/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.47	− 4 38.1	1.754	2.582	14.5	18.8
2 21	11 55.92	− 4 6.7	1.675	2.582	10.8	18.6
3 2	11 48.19	− 3 17.0	1.619	2.582	6.6	18.3
3 12	11 39.10	− 2 13.4	1.591	2.581	2.3	18.0
3 22	11 29.67	− 1 2.6	1.591	2.579	3.5	18.1
4 1	11 21.03	+ 0 7.6	1.619	2.577	7.9	18.4
4 11	11 14.14	+ 1 9.7	1.672	2.575	12.1	18.6
4 21	11 9.60	+ 1 58.4	1.748	2.572	15.6	18.8

285283 1998 SM_{36} 3 14.2 202°.55 1°.2/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.30	+ 3 51.1	1.797	2.642	13.4	22.1
2 21	11 58.66	+ 4 21.0	1.717	2.638	9.7	21.8
3 2	11 49.75	+ 5 0.2	1.662	2.633	5.4	21.5
3 12	11 39.38	+ 5 43.2	1.635	2.627	1.3	21.2
3 22	11 28.65	+ 6 23.8	1.637	2.621	4.4	21.4
4 1	11 18.72	+ 6 55.9	1.667	2.613	8.9	21.7
4 11	11 10.62	+ 7 15.0	1.723	2.605	12.9	21.9
4 21	11 4.96	+ 7 19.2	1.800	2.596	16.3	22.1

298860 2004 RP_{287} 3 14.2 120°.04 0°.5/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.04	+ 1 23.6	1.759	2.602	13.8	21.6
2 21	11 57.52	+ 2 2.2	1.701	2.620	9.9	21.4
3 2	11 48.94	+ 2 52.2	1.668	2.638	5.5	21.2
3 12	11 39.21	+ 3 47.5	1.663	2.656	1.0	20.9
3 22	11 29.38	+ 4 41.4	1.686	2.672	3.9	21.1
4 1	11 20.54	+ 5 27.5	1.738	2.688	8.2	21.4
4 11	11 13.57	+ 6 0.9	1.816	2.703	12.1	21.7
4 21	11 8.94	+ 6 19.4	1.915	2.718	15.2	21.9

41812 2000 WP_{35} 3 14.2 207°.16 1°.3/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 59.84	− 4 30.5	1.827	2.656	14.0	19.8
2 21	11 54.71	− 3 47.6	1.743	2.652	10.4	19.6
3 2	11 47.50	− 2 46.3	1.684	2.647	6.3	19.3
3 12	11 38.99	− 1 31.2	1.651	2.642	2.0	19.0
3 22	11 30.11	− 0 9.3	1.647	2.636	3.4	19.1
4 1	11 21.95	+ 1 11.2	1.672	2.630	7.8	19.4
4 11	11 15.41	+ 2 22.5	1.723	2.623	11.9	19.6
4 21	11 11.10	+ 3 19.4	1.795	2.616	15.4	19.8

336867 2011 FN_{146} 3 14.2 272°.90 1°.6/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.92	− 3 8.5	2.019	2.845	12.9	20.9
2 21	11 55.43	− 3 9.1	1.922	2.829	9.7	20.6
3 2	11 47.92	− 2 56.8	1.850	2.812	6.0	20.4
3 12	11 39.07	− 2 33.9	1.806	2.795	2.3	20.1
3 22	11 29.76	− 2 4.3	1.790	2.778	3.3	20.1
4 1	11 21.00	− 1 33.2	1.803	2.761	7.3	20.3
4 11	11 13.72	− 1 5.6	1.841	2.744	11.1	20.5
4 21	11 8.53	− 0 45.9	1.903	2.726	14.5	20.7

58012 2002 TM_{290} 3 14.2 108°.09 4°.3/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.44	+15 49.9	2.372	3.228	10.2	18.5
2 21	11 55.26	+16 32.7	2.320	3.242	7.4	18.3
3 2	11 47.53	+17 13.0	2.295	3.256	5.1	18.2
3 12	11 38.95	+17 45.1	2.299	3.270	4.4	18.2
3 22	11 30.34	+18 4.7	2.332	3.283	6.1	18.3
4 1	11 22.50	+18 9.1	2.393	3.297	8.7	18.5
4 11	11 16.08	+17 57.6	2.479	3.309	11.2	18.7
4 21	11 11.49	+17 31.3	2.586	3.322	13.4	18.8

371087 2005 UA_{421} 3 14.2 9°.57 1°.5/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.69	− 3 10.3	1.577	2.421	15.1	20.9
2 21	11 54.05	− 2 55.8	1.506	2.421	11.2	20.7
3 2	11 47.18	− 2 24.3	1.457	2.422	6.8	20.4
3 12	11 38.93	− 1 40.0	1.433	2.424	2.3	20.2
3 22	11 30.37	− 0 49.1	1.437	2.426	3.6	20.3
4 1	11 22.67	+ 0 1.0	1.467	2.429	8.2	20.5
4 11	11 16.81	+ 0 43.3	1.521	2.431	12.5	20.8
4 21	11 13.39	+ 1 13.1	1.596	2.435	16.2	21.0

168208 2006 JH_{30} 3 14.2 156°.33 1°.3/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.40	− 4 35.1	1.822	2.650	14.0	21.0
2 21	11 55.01	− 3 51.6	1.748	2.656	10.4	20.8
3 2	11 47.61	− 2 50.2	1.699	2.662	6.3	20.6
3 12	11 39.00	− 1 35.9	1.676	2.667	2.1	20.3
3 22	11 30.14	− 0 15.8	1.683	2.672	3.3	20.4
4 1	11 22.07	+ 1 2.1	1.718	2.676	7.6	20.7
4 11	11 15.68	+ 2 10.5	1.779	2.679	11.6	20.9
4 21	11 11.50	+ 3 4.5	1.862	2.682	14.9	21.1

33624 Omersiddiqui 3 14.2 72°.53 0°.9/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.09	− 3 31.7	1.374	2.221	16.6	18.0
2 21	11 55.12	− 2 39.5	1.320	2.239	12.2	17.8
3 2	11 47.75	− 1 26.6	1.288	2.256	7.1	17.5
3 12	11 39.02	− 0 0.5	1.282	2.274	1.8	17.2
3 22	11 30.16	+ 1 29.0	1.302	2.291	4.0	17.4
4 1	11 22.44	+ 2 51.4	1.349	2.309	9.0	17.8
4 11	11 16.86	+ 3 58.5	1.419	2.326	13.5	18.1
4 21	11 13.91	+ 4 45.9	1.510	2.343	17.2	18.4

213075 1999 TK_{90} 3 14.2 165°.11 0°.0/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.17	− 1 5.5	2.039	2.873	12.5	20.8
2 21	11 54.66	− 0 10.2	1.965	2.879	9.1	20.6
3 2	11 47.35	+ 0 58.8	1.916	2.884	5.1	20.3
3 12	11 38.95	+ 2 15.9	1.896	2.889	0.9	20.0
3 22	11 30.34	+ 3 34.1	1.905	2.892	3.4	20.2
4 1	11 22.43	+ 4 46.6	1.944	2.895	7.4	20.5
4 11	11 16.02	+ 5 47.3	2.010	2.897	11.1	20.7
4 21	11 11.62	+ 6 32.9	2.098	2.899	14.1	20.9

273092 2006 ES_{58} 3 14.2 277°.77 1°.7/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.10	− 3 38.5	2.068	2.893	12.7	20.4
2 21	11 54.83	− 3 35.3	1.968	2.874	9.6	20.2
3 2	11 47.59	− 3 18.8	1.892	2.854	6.0	19.9
3 12	11 39.02	− 2 51.2	1.844	2.833	2.3	19.7
3 22	11 29.99	− 2 16.6	1.824	2.813	3.2	19.7
4 1	11 21.45	− 1 39.9	1.834	2.792	7.1	19.9
4 11	11 14.33	− 1 6.8	1.869	2.771	11.0	20.1
4 21	11 9.24	− 0 41.6	1.927	2.750	14.4	20.2

208718 2002 JP_{105} 3 14.2 259°.08 2°.1/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.47	+ 4 50.9	1.737	2.594	13.2	20.7
2 21	11 55.35	+ 5 47.7	1.650	2.577	9.5	20.5
3 2	11 47.97	+ 6 55.7	1.587	2.561	5.3	20.2
3 12	11 39.10	+ 8 8.0	1.552	2.543	2.1	19.9
3 22	11 29.74	+ 9 16.2	1.545	2.525	5.2	20.1
4 1	11 21.05	+10 12.7	1.566	2.507	9.7	20.3
4 11	11 14.06	+10 51.7	1.611	2.489	13.8	20.5
4 21	11 9.46	+11 10.9	1.675	2.470	17.4	20.7

106509 2000 WM_{41} 3 14.2 94°.17 1°.5/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 0.32	+ 2 9.9	1.557	2.414	14.5	20.1
2 21	11 55.08	+ 3 20.0	1.502	2.429	10.3	19.9
3 2	11 47.67	+ 4 43.1	1.471	2.445	5.6	19.6
3 12	11 39.01	+ 6 10.8	1.468	2.460	1.5	19.4
3 22	11 30.24	+ 7 33.6	1.492	2.475	4.8	19.6
4 1	11 22.48	+ 8 43.2	1.543	2.490	9.3	19.9
4 11	11 16.65	+ 9 33.8	1.618	2.504	13.4	20.2
4 21	11 13.24	+10 3.6	1.714	2.518	16.7	20.5

503219 2015 HN_{42} 3 14.2 341°.55 6°.4/ 7.9 17

2 11	11 59.76	+19 11.6	1.866	2.735	11.9	20.1
2 21	11 54.59	+20 7.5	1.804	2.728	9.1	19.9
3 2	11 47.39	+20 58.6	1.767	2.722	6.9	19.7
3 12	11 38.97	+21 36.9	1.756	2.716	6.6	19.7
3 22	11 30.35	+21 56.3	1.771	2.711	8.6	19.8
4 1	11 22.56	+21 53.3	1.812	2.707	11.5	20.0
4 11	11 16.49	+21 27.5	1.875	2.703	14.4	20.1
4 21	11 12.67	+20 41.4	1.957	2.699	17.0	20.3

507602 2013 CQ_{20} 3 14.2 63°.22 0°.9/13.1 17

2 11	11 56.89	+ 3 59.9	2.517	3.363	10.0	21.7
2 21	11 52.02	+ 4 26.7	2.445	3.367	7.1	21.5
3 2	11 45.75	+ 4 59.8	2.400	3.372	3.9	21.3
3 12	11 38.67	+ 5 35.1	2.384	3.376	1.0	21.1
3 22	11 31.44	+ 6 8.6	2.397	3.381	3.2	21.3
4 1	11 24.76	+ 6 36.2	2.440	3.386	6.4	21.5
4 11	11 19.26	+ 6 54.9	2.509	3.390	9.4	21.7
4 21	11 15.34	+ 7 3.0	2.601	3.395	11.9	21.9

62171 2000 SH_{33} 3 14.2 150°.92 1°.6/12.5 18

2 11	11 59.55	+ 4 37.9	2.077	2.927	11.7	19.6
2 21	11 54.18	+ 5 26.6	2.008	2.933	8.3	19.4
3 2	11 47.06	+ 6 23.3	1.966	2.938	4.6	19.2
3 12	11 38.91	+ 7 22.0	1.951	2.943	1.6	19.0
3 22	11 30.58	+ 8 16.6	1.967	2.947	4.2	19.2
4 1	11 22.96	+ 9 1.6	2.010	2.952	7.9	19.4
4 11	11 16.81	+ 9 33.0	2.080	2.955	11.3	19.6
4 21	11 12.61	+ 9 49.2	2.171	2.959	14.1	19.8

386148 2007 TE_{196} 3 14.2 52°.16 1°.4/12.8 17

2 11	11 57.69	+ 4 11.5	1.967	2.821	12.0	20.9
2 21	11 52.85	+ 4 53.3	1.908	2.834	8.5	20.8
3 2	11 46.30	+ 5 43.0	1.874	2.847	4.7	20.5
3 12	11 38.77	+ 6 34.8	1.868	2.860	1.4	20.3
3 22	11 31.13	+ 7 22.9	1.891	2.873	4.1	20.5
4 1	11 24.26	+ 8 1.8	1.941	2.887	7.8	20.8
4 11	11 18.89	+ 8 27.8	2.017	2.901	11.2	21.0
4 21	11 15.47	+ 8 39.2	2.114	2.915	14.1	21.2

380350 2002 RP_{193} 3 14.2 123°.27 0°.2/13.9 17

2 11	11 59.86	+ 1 28.1	2.498	3.331	10.5	21.4
2 21	11 54.10	+ 1 51.3	2.431	3.346	7.5	21.2
3 2	11 46.89	+ 2 22.3	2.391	3.360	4.2	21.0
3 12	11 38.88	+ 2 57.3	2.381	3.374	0.7	20.7
3 22	11 30.76	+ 3 32.3	2.401	3.387	2.8	20.9
4 1	11 23.27	+ 4 3.2	2.450	3.400	6.2	21.2
4 11	11 17.04	+ 4 26.5	2.527	3.412	9.2	21.4
4 21	11 12.47	+ 4 40.4	2.628	3.424	11.7	21.6

438639 2008 CU_{32} 3 14.2 289°.79 1°.1/15.3 17

2 11	11 58.36	− 2 4.7	2.377	3.204	11.2	21.2
2 21	11 53.23	− 1 59.9	2.292	3.200	8.3	21.0
3 2	11 46.52	− 1 44.7	2.232	3.195	5.0	20.8
3 12	11 38.83	− 1 21.7	2.200	3.191	1.6	20.5
3 22	11 30.89	− 0 54.5	2.197	3.186	2.7	20.6
4 1	11 23.49	− 0 27.4	2.224	3.181	6.2	20.8
4 11	11 17.32	− 0 4.3	2.278	3.177	9.4	21.0
4 21	11 12.87	+ 0 11.6	2.355	3.172	12.3	21.2

502014 2015 AV_{68} 3 14.2 291°.93 5°.1/ 8.7 18

2 11	11 57.93	+13 5.3	1.786	2.658	12.2	20.6
2 21	11 53.38	+14 31.4	1.718	2.650	8.9	20.4
3 2	11 46.77	+16 0.2	1.676	2.643	5.9	20.2
3 12	11 38.89	+17 22.6	1.661	2.636	5.3	20.1
3 22	11 30.71	+18 29.8	1.674	2.629	7.8	20.3
4 1	11 23.28	+19 15.6	1.712	2.622	11.2	20.5
4 11	11 17.53	+19 37.1	1.773	2.615	14.5	20.6
4 21	11 14.00	+19 34.9	1.853	2.608	17.4	20.8

297039 2010 GS_{146} 3 14.2 29°.32 2°.9/16.6 17

2 11	12 0.48	− 5 45.6	1.845	2.668	14.1	19.7
2 21	11 55.07	− 6 2.7	1.773	2.673	10.8	19.5
3 2	11 47.67	− 6 4.5	1.724	2.680	7.0	19.2
3 12	11 39.05	− 5 52.8	1.701	2.686	3.5	19.0
3 22	11 30.18	− 5 31.4	1.707	2.693	3.7	19.1
4 1	11 22.09	− 5 5.2	1.740	2.701	7.3	19.3
4 11	11 15.65	− 4 39.9	1.798	2.708	10.9	19.5
4 21	11 11.42	− 4 20.1	1.879	2.716	14.1	19.7

455342 2002 RG_{19} 3 14.2 233°.23 1°.5/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.01	+ 5 54.1	2.065	2.907	12.1	21.3
2 21	11 59.03	+ 6 9.3	1.974	2.893	8.7	21.1
3 2	11 49.95	+ 6 30.1	1.908	2.879	4.9	20.8
3 12	11 39.48	+ 6 52.2	1.872	2.864	1.5	20.5
3 22	11 28.60	+ 7 10.7	1.866	2.848	4.2	20.7
4 1	11 18.36	+ 7 21.2	1.889	2.831	8.3	20.9
4 11	11 9.71	+ 7 20.6	1.939	2.814	12.0	21.1
4 21	11 3.29	+ 7 7.6	2.011	2.796	15.2	21.3

157183 2004 PK_{85} 3 14.2 186°.92 0°.4/13.6 17

2 11	11 58.50	+ 1 8.6	2.705	3.537	9.8	21.2
2 21	11 53.14	+ 1 55.1	2.622	3.537	7.1	21.1
3 2	11 46.40	+ 2 50.5	2.567	3.536	3.9	20.9
3 12	11 38.81	+ 3 50.5	2.541	3.534	0.7	20.6
3 22	11 31.04	+ 4 50.4	2.546	3.531	2.9	20.8
4 1	11 23.75	+ 5 45.4	2.582	3.528	6.1	21.0
4 11	11 17.56	+ 6 31.5	2.646	3.524	9.1	21.2
4 21	11 12.91	+ 7 6.2	2.733	3.519	11.6	21.3

409790 2006 FR_{53} 3 14.2 306°.26 2°.2/12.6 17

2 11	12 0.26	+ 5 1.9	1.327	2.197	15.6	21.1
2 21	11 55.81	+ 5 40.8	1.243	2.177	11.3	20.8
3 2	11 48.52	+ 6 32.4	1.181	2.156	6.4	20.4
3 12	11 39.27	+ 7 29.1	1.145	2.136	2.3	20.1
3 22	11 29.33	+ 8 21.6	1.133	2.117	6.0	20.3
4 1	11 20.21	+ 9 0.8	1.147	2.097	11.4	20.5
4 11	11 13.27	+ 9 20.5	1.182	2.079	16.4	20.7
4 21	11 9.33	+ 9 18.3	1.235	2.060	20.7	20.9

468557 2006 UY_{106} 3 14.2 268°.74 4°.9/ 8.4 17

2 11	11 58.79	+16 55.4	2.342	3.203	10.1	21.0
2 21	11 53.58	+17 50.7	2.272	3.196	7.5	20.8
3 2	11 46.72	+18 44.0	2.229	3.188	5.4	20.7
3 12	11 38.88	+19 28.8	2.214	3.180	5.0	20.7
3 22	11 30.83	+20 0.1	2.228	3.172	6.9	20.8
4 1	11 23.41	+20 14.1	2.269	3.165	9.5	20.9
4 11	11 17.32	+20 9.7	2.333	3.157	12.1	21.1
4 21	11 13.05	+19 47.7	2.418	3.149	14.4	21.2

321239 2009 BL_{86} 3 14.2 155°.56 2°.0/11.6 18

2 11	11 57.06	+ 6 43.8	2.494	3.345	9.9	21.1
2 21	11 52.18	+ 7 40.9	2.425	3.350	7.0	21.0
3 2	11 45.88	+ 8 43.3	2.383	3.355	3.9	20.8
3 12	11 38.74	+ 9 45.8	2.370	3.359	2.0	20.6
3 22	11 31.44	+10 42.9	2.388	3.363	4.2	20.8
4 1	11 24.72	+11 29.9	2.434	3.366	7.2	21.0
4 11	11 19.17	+12 3.8	2.507	3.370	10.1	21.2
4 21	11 15.24	+12 23.1	2.602	3.373	12.5	21.4

408130 2013 CY_{61} 3 14.2 306°.63 0°.5/14.5 18

2 11	12 3.65	+ 0 31.6	1.368	2.222	16.3	21.2
2 21	11 58.05	+ 0 33.1	1.294	2.217	12.0	20.9
3 2	11 49.67	+ 0 48.6	1.241	2.211	7.0	20.6
3 12	11 39.48	+ 1 13.6	1.213	2.206	1.5	20.2
3 22	11 28.79	+ 1 42.0	1.212	2.200	4.3	20.4
4 1	11 19.09	+ 2 6.7	1.236	2.195	9.7	20.7
4 11	11 11.64	+ 2 21.6	1.284	2.191	14.6	21.0
4 21	11 7.15	+ 2 23.1	1.351	2.186	18.7	21.2

245136 2004 RJ_{106} 3 14.2 165°.72 1°.0/15.1 18

2 11	12 3.10	− 2 34.8	1.865	2.693	13.7	21.4
2 21	11 56.95	− 2 8.2	1.790	2.699	10.1	21.2
3 2	11 48.75	− 1 26.8	1.739	2.704	6.0	20.9
3 12	11 39.28	− 0 35.0	1.716	2.708	1.7	20.7
3 22	11 29.55	+ 0 21.2	1.723	2.711	3.3	20.8
4 1	11 20.62	+ 1 15.2	1.758	2.714	7.6	21.0
4 11	11 13.40	+ 2 0.9	1.819	2.716	11.6	21.3
4 21	11 8.45	+ 2 34.3	1.903	2.717	14.9	21.5

345263 2005 VT_{42} 3 14.2 192°.39 2°.7/11.7 18

2 11	12 2.57	+ 5 58.7	1.719	2.575	13.4	21.4
2 21	11 56.76	+ 7 9.3	1.647	2.574	9.6	21.2
3 2	11 48.72	+ 8 29.5	1.600	2.572	5.4	20.9
3 12	11 39.28	+ 9 51.1	1.580	2.569	2.7	20.7
3 22	11 29.52	+11 5.4	1.590	2.566	5.7	20.9
4 1	11 20.59	+12 4.7	1.627	2.562	9.9	21.1
4 11	11 13.49	+12 44.2	1.688	2.557	13.8	21.4
4 21	11 8.81	+13 2.5	1.769	2.551	17.1	21.6

425898 2011 FP_{79} 3 14.2 268°.99 1°.1/12.9 17

2 11	11 57.06	+ 2 5.0	2.052	2.901	11.8	21.3
2 21	11 52.62	+ 3 8.3	1.960	2.883	8.5	21.0
3 2	11 46.34	+ 4 24.2	1.893	2.865	4.7	20.8
3 12	11 38.85	+ 5 46.8	1.855	2.847	1.2	20.5
3 22	11 30.98	+ 7 9.0	1.846	2.829	4.1	20.7
4 1	11 23.64	+ 8 23.2	1.865	2.810	8.1	20.9
4 11	11 17.67	+ 9 23.6	1.910	2.791	11.9	21.1
4 21	11 13.64	+10 6.5	1.977	2.772	15.1	21.2

8473 1984 SS_5 3 14.2 163°.88 2°.3/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 57.45	+ 9 1.5	2.776	3.627	9.0	18.9
2 21	11 52.34	+ 9 50.1	2.707	3.632	6.4	18.8
3 2	11 45.92	+10 41.6	2.666	3.636	3.7	18.6
3 12	11 38.75	+11 31.5	2.654	3.640	2.3	18.5
3 22	11 31.45	+12 15.2	2.673	3.643	4.2	18.6
4 1	11 24.67	+12 49.1	2.721	3.646	6.9	18.8
4 11	11 18.97	+13 10.8	2.795	3.648	9.4	19.0
4 21	11 14.74	+13 19.3	2.892	3.650	11.7	19.1

144075 2004 BS_{48} 3 14.2 149°.09 0°.2/14.4 18

2 11	12 1.39	− 0 48.9	1.983	2.817	12.8	20.9
2 21	11 55.58	− 0 13.1	1.912	2.826	9.3	20.7
3 2	11 47.91	+ 0 35.4	1.866	2.834	5.3	20.5
3 12	11 39.13	+ 1 31.6	1.849	2.842	1.1	20.2
3 22	11 30.15	+ 2 29.5	1.861	2.849	3.3	20.3
4 1	11 21.95	+ 3 22.9	1.902	2.855	7.4	20.6
4 11	11 15.32	+ 4 6.5	1.969	2.861	11.0	20.8
4 21	11 10.76	+ 4 37.0	2.059	2.866	14.1	21.1

412649 2014 OE_{189} 3 14.2 182°.10 0°.0/14.2 17

2 11	12 0.83	− 0 34.8	1.851	2.690	13.3	22.3
2 21	11 55.36	+ 0 8.1	1.774	2.691	9.7	22.0
3 2	11 47.87	+ 1 5.0	1.723	2.692	5.5	21.8
3 12	11 39.13	+ 2 10.5	1.699	2.691	1.0	21.5
3 22	11 30.11	+ 3 17.7	1.703	2.691	3.6	21.6
4 1	11 21.84	+ 4 19.4	1.737	2.690	8.0	21.9
4 11	11 15.21	+ 5 9.7	1.795	2.688	11.9	22.1
4 21	11 10.79	+ 5 44.8	1.876	2.686	15.2	22.4

388290 2006 SJ_{79} 3 14.2 245°.58 1°.6/12.6 17

2 11	12 1.70	+ 7 15.0	2.292	3.140	10.8	21.1
2 21	11 55.64	+ 7 26.9	2.215	3.137	7.7	20.9
3 2	11 47.89	+ 7 42.4	2.164	3.135	4.3	20.6
3 12	11 39.13	+ 7 57.7	2.142	3.133	1.7	20.4
3 22	11 30.15	+ 8 8.6	2.150	3.130	3.9	20.6
4 1	11 21.83	+ 8 11.8	2.187	3.128	7.4	20.8
4 11	11 14.89	+ 8 5.1	2.251	3.126	10.6	21.0
4 21	11 9.83	+ 7 47.5	2.337	3.123	13.3	21.2

502278 2015 BT_{133} 3 14.2 185°.73 2°.5/11.4 17

2 11	11 59.72	+ 8 12.9	2.244	3.098	10.8	21.8
2 21	11 54.25	+ 9 4.0	2.172	3.098	7.7	21.6
3 2	11 47.12	+ 9 59.9	2.126	3.098	4.4	21.4
3 12	11 38.99	+10 54.6	2.110	3.097	2.5	21.3
3 22	11 30.65	+11 42.4	2.122	3.095	4.8	21.4
4 1	11 22.95	+12 18.6	2.164	3.094	8.1	21.6
4 11	11 16.62	+12 40.2	2.231	3.091	11.2	21.8
4 21	11 12.14	+12 46.1	2.319	3.089	13.9	22.0

421906 2014 QA_{217} 3 14.2 272°.27 3°.6/16.7 16

2 11	12 2.82	− 6 46.6	1.498	2.325	16.6	21.9
2 21	11 57.38	− 7 1.9	1.413	2.316	12.8	21.6
3 2	11 49.30	− 6 57.4	1.351	2.307	8.5	21.4
3 12	11 39.43	− 6 34.4	1.313	2.297	4.4	21.1
3 22	11 28.98	− 5 57.3	1.301	2.288	4.6	21.1
4 1	11 19.34	− 5 13.0	1.316	2.279	8.9	21.3
4 11	11 11.73	− 4 29.7	1.355	2.269	13.4	21.5
4 21	11 6.92	− 3 54.3	1.415	2.260	17.5	21.7

43448 2000 YM_{79} 3 14.2 41°.52 1°.1/14.9 18

2 11	12 0.47	− 2 6.3	1.293	2.148	17.0	18.6
2 21	11 55.61	− 1 47.0	1.236	2.158	12.5	18.4
3 2	11 48.17	− 1 8.9	1.200	2.169	7.4	18.1
3 12	11 39.19	− 0 18.0	1.189	2.181	2.0	17.8
3 22	11 30.00	+ 0 37.8	1.203	2.193	4.1	18.0
4 1	11 21.98	+ 1 29.5	1.243	2.205	9.3	18.3
4 11	11 16.20	+ 2 9.7	1.306	2.218	14.0	18.6
4 21	11 13.22	+ 2 34.1	1.388	2.232	17.8	18.9

519344 2011 GL_{90} 3 14.2 55°.92 4°.5/10.4 18

2 11	12 3.20	+13 48.6	1.779	2.643	12.6	20.7
2 21	11 56.99	+14 24.0	1.724	2.652	9.2	20.5
3 2	11 48.72	+14 58.3	1.693	2.660	5.9	20.3
3 12	11 39.28	+15 24.6	1.690	2.669	4.6	20.3
3 22	11 29.75	+15 37.2	1.715	2.679	6.8	20.4
4 1	11 21.21	+15 32.7	1.766	2.688	10.2	20.6
4 11	11 14.53	+15 10.4	1.842	2.697	13.4	20.9
4 21	11 10.20	+14 31.8	1.937	2.707	16.2	21.1

48475 1991 UD_2 3 14.2 32°.95 4°.1/10.2 18

2 11	12 0.73	+13 37.3	2.042	2.904	11.3	17.5
2 21	11 55.07	+14 15.7	1.979	2.907	8.2	17.3
3 2	11 47.60	+14 53.7	1.943	2.909	5.3	17.1
3 12	11 39.08	+15 25.0	1.934	2.912	4.2	17.0
3 22	11 30.41	+15 44.4	1.954	2.916	6.2	17.2
4 1	11 22.54	+15 48.3	2.000	2.919	9.3	17.4
4 11	11 16.23	+15 35.5	2.072	2.922	12.4	17.5
4 21	11 11.97	+15 6.7	2.164	2.926	15.0	17.7

429163 2009 VY_{16} 3 14.2 72°.27 4°.4/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 59.03	−12 2.8	1.860	2.657	15.0	21.4
2 21	11 54.00	−11 59.9	1.793	2.672	11.9	21.2
3 2	11 47.06	−11 35.4	1.747	2.686	8.4	21.0
3 12	11 38.99	−10 51.2	1.728	2.701	5.2	20.9
3 22	11 30.74	− 9 52.2	1.735	2.716	4.6	20.9
4 1	11 23.29	− 8 45.1	1.770	2.731	7.2	21.0
4 11	11 17.49	− 7 37.8	1.832	2.746	10.5	21.3
4 21	11 13.82	− 6 36.8	1.916	2.760	13.6	21.5

498174 2007 TY_{209} 3 14.2 139°.37 4°.5/ 9.1 18

2 11	11 59.92	+15 49.9	2.302	3.162	10.3	21.1
2 21	11 54.33	+16 41.4	2.242	3.166	7.6	20.9
3 2	11 47.13	+17 31.0	2.208	3.169	5.2	20.8
3 12	11 38.99	+18 12.5	2.203	3.173	4.7	20.7
3 22	11 30.73	+18 41.0	2.226	3.176	6.5	20.8
4 1	11 23.16	+18 53.2	2.277	3.180	9.2	21.0
4 11	11 17.00	+18 47.9	2.353	3.183	11.8	21.2
4 21	11 12.69	+18 26.0	2.449	3.186	14.1	21.4

93462 2000 SJ_{367} 3 14.2 86°.87 1°.2/15.2 18

2 11	12 4.12	− 1 5.2	1.840	2.672	13.7	19.3
2 21	11 57.69	− 1 17.2	1.768	2.679	10.1	19.1
3 2	11 49.16	− 1 17.8	1.721	2.686	6.0	18.9
3 12	11 39.38	− 1 9.9	1.702	2.693	1.9	18.6
3 22	11 29.36	− 0 57.3	1.711	2.700	3.3	18.8
4 1	11 20.19	− 0 44.5	1.749	2.706	7.5	19.0
4 11	11 12.79	− 0 36.1	1.813	2.713	11.4	19.3
4 21	11 7.70	− 0 35.1	1.899	2.720	14.6	19.5

235985 2005 ER_{317} 3 14.2 174°.58 0°.2/14.5 17

2 11	11 57.77	− 0 39.3	2.425	3.257	10.8	21.6
2 21	11 52.76	− 0 6.9	2.346	3.259	7.9	21.4
3 2	11 46.25	+ 0 35.9	2.293	3.260	4.5	21.2
3 12	11 38.84	+ 1 25.2	2.268	3.261	0.9	20.9
3 22	11 31.24	+ 2 16.3	2.274	3.262	2.8	21.0
4 1	11 24.18	+ 3 4.3	2.309	3.262	6.3	21.3
4 11	11 18.34	+ 3 44.7	2.371	3.262	9.5	21.5
4 21	11 14.16	+ 4 14.6	2.457	3.262	12.2	21.7

258471 2001 YP_{150} 3 14.2 75°.39 6°.3/ 7.5 18

2 11	11 59.03	+15 35.7	1.693	2.566	12.6	20.1
2 21	11 54.08	+17 24.3	1.652	2.582	9.3	20.0
3 2	11 47.10	+19 10.8	1.638	2.599	6.7	19.9
3 12	11 38.99	+20 44.6	1.650	2.615	6.6	19.9
3 22	11 30.80	+21 56.9	1.690	2.631	8.9	20.0
4 1	11 23.58	+22 42.8	1.754	2.647	12.0	20.3
4 11	11 18.19	+23 1.1	1.841	2.663	14.9	20.5
4 21	11 15.07	+22 54.4	1.945	2.678	17.3	20.7

98700 2000 XQ_{30} 3 14.2 83°.75 8°.2/20.9 18

2 11	12 4.08	−18 11.9	1.575	2.344	18.5	19.1
2 21	11 58.08	−19 0.6	1.509	2.358	15.4	18.9
3 2	11 49.57	−19 21.2	1.463	2.373	12.1	18.7
3 12	11 39.48	−19 12.0	1.439	2.387	9.2	18.6
3 22	11 29.07	−18 35.1	1.441	2.401	8.2	18.6
4 1	11 19.68	−17 37.3	1.468	2.416	9.7	18.7
4 11	11 12.40	−16 28.4	1.520	2.429	12.6	18.9
4 21	11 7.87	−15 18.4	1.593	2.443	15.6	19.1

347130 2010 KT_9 3 14.2 140°.29 3°.4/ 9.0 17

2 11	11 56.28	+12 47.2	2.885	3.742	8.5	22.0
2 21	11 51.47	+14 3.6	2.828	3.753	6.1	21.8
3 2	11 45.44	+15 20.7	2.799	3.764	4.0	21.7
3 12	11 38.70	+16 32.9	2.800	3.774	3.5	21.7
3 22	11 31.86	+17 35.4	2.832	3.784	5.2	21.8
4 1	11 25.52	+18 24.4	2.892	3.793	7.5	21.9
4 11	11 20.23	+18 57.8	2.979	3.802	9.7	22.1
4 21	11 16.34	+19 15.4	3.087	3.810	11.7	22.3

100938 1998 MC_{44} 3 14.2 218°.10 3°.0/17.8 18

2 11	11 58.96	−10 11.1	2.744	3.528	11.1	20.8
2 21	11 53.59	−10 1.6	2.642	3.517	8.7	20.6
3 2	11 46.75	− 9 37.4	2.566	3.506	6.0	20.4
3 12	11 38.96	− 9 0.0	2.518	3.494	3.5	20.3
3 22	11 30.88	− 8 12.5	2.500	3.482	3.3	20.2
4 1	11 23.22	− 7 19.0	2.512	3.469	5.6	20.4
4 11	11 16.63	− 6 24.7	2.553	3.455	8.4	20.5
4 21	11 11.59	− 5 34.1	2.619	3.441	11.0	20.7

123997 2001 FC_{68} 3 14.2 317°.20 0°.6/13.5 18

2 11	11 54.69	− 0 52.3	1.839	2.688	13.0	18.7
2 21	11 51.01	+ 0 28.7	1.758	2.681	9.4	18.5
3 2	11 45.46	+ 2 6.8	1.702	2.673	5.2	18.2
3 12	11 38.74	+ 3 55.0	1.673	2.666	0.9	17.9
3 22	11 31.70	+ 5 44.3	1.674	2.659	4.0	18.1
4 1	11 25.29	+ 7 25.1	1.702	2.653	8.3	18.4
4 11	11 20.37	+ 8 50.0	1.756	2.646	12.3	18.6
4 21	11 17.48	+ 9 54.4	1.832	2.640	15.6	18.8

423228 2004 RU_{268} 3 14.2 178°.97 0°.6/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 59.32	− 1 27.2	1.962	2.798	12.8	22.2
2 21	11 54.19	− 1 0.0	1.885	2.799	9.4	21.9
3 2	11 47.19	− 0 19.7	1.832	2.799	5.5	21.7
3 12	11 39.05	+ 0 29.5	1.807	2.799	1.3	21.4
3 22	11 30.64	+ 1 21.9	1.811	2.799	3.2	21.5
4 1	11 22.92	+ 2 11.4	1.843	2.799	7.3	21.8
4 11	11 16.72	+ 2 52.5	1.901	2.799	11.1	22.0
4 21	11 12.57	+ 3 21.7	1.981	2.798	14.3	22.2

44376 1998 SJ_{48} 3 14.2 150°.00 0°.0/14.2 18

2 11	11 58.84	+ 0 23.0	2.304	3.140	11.2	20.0
2 21	11 53.57	+ 0 53.5	2.230	3.146	8.1	19.8
3 2	11 46.73	+ 1 33.9	2.182	3.151	4.6	19.6
3 12	11 38.95	+ 2 19.9	2.163	3.156	0.8	19.3
3 22	11 31.00	+ 3 6.8	2.173	3.160	3.0	19.5
4 1	11 23.66	+ 3 49.6	2.212	3.164	6.6	19.7
4 11	11 17.62	+ 4 24.0	2.279	3.168	9.9	19.9
4 21	11 13.35	+ 4 47.4	2.368	3.172	12.6	20.1

95444 2002 CO_{248} 3 14.2 166°.52 3°.7/10.3 18

2 11	11 59.33	+10 30.6	1.991	2.853	11.5	20.0
2 21	11 54.15	+11 36.3	1.926	2.855	8.3	19.8
3 2	11 47.14	+12 45.7	1.887	2.857	5.0	19.6
3 12	11 39.03	+13 51.2	1.876	2.858	3.7	19.5
3 22	11 30.72	+14 46.0	1.894	2.859	6.1	19.6
4 1	11 23.15	+15 24.8	1.939	2.860	9.4	19.8
4 11	11 17.12	+15 44.8	2.008	2.861	12.6	20.0
4 21	11 13.12	+15 45.9	2.098	2.862	15.3	20.2

291847 Ladoix 3 14.2 247°.02 1°.7/15.7 17

2 11	12 2.42	− 4 15.9	2.039	2.859	13.1	21.7
2 21	11 56.61	− 4 0.3	1.936	2.839	9.9	21.4
3 2	11 48.70	− 3 29.4	1.858	2.818	6.1	21.2
3 12	11 39.36	− 2 46.0	1.807	2.796	2.3	20.9
3 22	11 29.49	− 1 54.7	1.786	2.774	3.3	20.9
4 1	11 20.11	− 1 1.5	1.793	2.751	7.4	21.1
4 11	11 12.21	− 0 12.8	1.828	2.727	11.4	21.3
4 21	11 6.44	+ 0 26.3	1.885	2.702	14.9	21.5

255700 2006 QY_{86} 3 14.2 246°.89 0°.9/15.0 16

2 11	12 0.79	− 2 31.8	1.848	2.681	13.6	22.1
2 21	11 55.52	− 2 3.0	1.755	2.667	10.1	21.8
3 2	11 48.10	− 1 18.3	1.687	2.652	6.0	21.5
3 12	11 39.25	− 0 21.8	1.645	2.637	1.7	21.2
3 22	11 29.92	+ 0 40.4	1.633	2.622	3.4	21.3
4 1	11 21.21	+ 1 41.3	1.648	2.605	8.0	21.5
4 11	11 14.10	+ 2 33.8	1.690	2.589	12.1	21.7
4 21	11 9.26	+ 3 13.3	1.753	2.572	15.8	21.9

465443 2008 RS_{134} 3 14.2 262°.96 0°.3/13.9 17

2 11	12 3.32	+ 2 20.8	2.140	2.976	11.9	21.6
2 21	11 57.15	+ 2 30.9	2.038	2.954	8.7	21.4
3 2	11 48.96	+ 2 49.5	1.962	2.931	5.0	21.1
3 12	11 39.40	+ 3 13.1	1.915	2.908	0.9	20.8
3 22	11 29.35	+ 3 37.2	1.897	2.884	3.4	20.9
4 1	11 19.80	+ 3 57.3	1.909	2.859	7.6	21.1
4 11	11 11.67	+ 4 9.3	1.948	2.834	11.4	21.3
4 21	11 5.61	+ 4 10.6	2.009	2.809	14.7	21.5

171963 2001 TR_{84} 3 14.2 280°.42 3°.0/11.1 17

2 11	12 0.06	+10 44.5	2.213	3.070	10.8	19.7
2 21	11 54.53	+11 18.0	2.141	3.068	7.7	19.5
3 2	11 47.30	+11 53.5	2.096	3.066	4.6	19.3
3 12	11 39.07	+12 25.5	2.080	3.065	3.0	19.2
3 22	11 30.65	+12 49.1	2.093	3.063	5.1	19.4
4 1	11 22.89	+13 0.6	2.133	3.061	8.3	19.6
4 11	11 16.55	+12 58.0	2.199	3.059	11.4	19.7
4 21	11 12.09	+12 41.1	2.287	3.058	14.0	19.9

292707 2006 UJ_{126} 3 14.2 231°.22 1°.7/16.2 18

2 11	11 57.02	− 5 26.9	2.582	3.395	10.8	21.6
2 21	11 52.23	− 5 8.3	2.490	3.387	8.2	21.4
3 2	11 45.99	− 4 36.9	2.423	3.380	5.2	21.2
3 12	11 38.84	− 3 55.4	2.384	3.371	2.2	21.0
3 22	11 31.44	− 3 7.4	2.375	3.363	2.6	21.0
4 1	11 24.49	− 2 17.7	2.396	3.354	5.7	21.2
4 11	11 18.65	− 1 31.0	2.444	3.345	8.8	21.4
4 21	11 14.37	− 0 51.2	2.516	3.336	11.5	21.5

123864 2001 DV_{6} 3 14.2 329°.20 5°.3/18.2 17

2 11	11 56.53	−10 37.8	1.500	2.321	16.9	18.7
2 21	11 52.94	−11 3.3	1.405	2.298	13.5	18.4
3 2	11 46.89	−11 6.0	1.330	2.277	9.7	18.1
3 12	11 39.07	−10 45.5	1.279	2.255	6.2	17.9
3 22	11 30.58	−10 4.7	1.253	2.235	5.7	17.8
4 1	11 22.69	− 9 10.1	1.252	2.216	9.0	17.9
4 11	11 16.65	− 8 10.7	1.274	2.198	13.3	18.1
4 21	11 13.25	− 7 15.5	1.316	2.181	17.3	18.3

408923 2001 XP_{149} 3 14.2 75°.32 8°.8/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.69	+24 31.4	1.720	2.582	13.1	20.5
2 21	11 57.34	+26 6.1	1.696	2.607	10.5	20.4
3 2	11 48.88	+27 28.1	1.698	2.633	8.9	20.4
3 12	11 39.35	+28 27.6	1.725	2.657	9.2	20.4
3 22	11 29.92	+28 58.9	1.777	2.682	11.0	20.6
4 1	11 21.72	+29 0.4	1.854	2.706	13.3	20.8
4 11	11 15.57	+28 34.5	1.950	2.731	15.7	21.0
4 21	11 11.87	+27 45.8	2.064	2.754	17.6	21.2

243119 2007 RD_{184} 3 14.2 35°.92 4°.3/18.5 18

2 11	11 57.28	−11 34.7	1.866	2.667	14.8	19.6
2 21	11 52.81	−11 34.3	1.793	2.675	11.7	19.4
3 2	11 46.45	−11 12.8	1.743	2.684	8.2	19.2
3 12	11 38.94	−10 32.1	1.718	2.693	5.2	19.1
3 22	11 31.20	− 9 36.6	1.720	2.702	4.6	19.0
4 1	11 24.21	− 8 32.8	1.750	2.711	7.2	19.2
4 11	11 18.78	− 7 28.5	1.805	2.721	10.5	19.4
4 21	11 15.44	− 6 30.1	1.883	2.731	13.6	19.6

426655 2013 SD_{84} 3 14.2 109°.80 1°.3/12.8 17

2 11	12 0.88	+ 4 40.8	2.093	2.941	11.7	21.7
2 21	11 55.09	+ 5 15.8	2.032	2.955	8.3	21.5
3 2	11 47.60	+ 5 57.6	1.997	2.969	4.6	21.3
3 12	11 39.14	+ 6 41.1	1.990	2.982	1.4	21.1
3 22	11 30.57	+ 7 20.8	2.013	2.995	3.9	21.3
4 1	11 22.78	+ 7 52.1	2.065	3.008	7.6	21.5
4 11	11 16.49	+ 8 11.5	2.142	3.021	10.9	21.7
4 21	11 12.15	+ 8 17.7	2.241	3.033	13.6	21.9

259198 2003 AJ_{40} 3 14.2 43°.19 2°.7/16.6 18

2 11	11 58.43	− 6 52.3	1.530	2.362	16.0	20.2
2 21	11 53.92	− 6 32.6	1.464	2.371	12.2	19.9
3 2	11 47.18	− 5 51.4	1.421	2.380	7.8	19.7
3 12	11 39.09	− 4 52.8	1.403	2.390	3.6	19.5
3 22	11 30.77	− 3 43.8	1.411	2.400	3.8	19.5
4 1	11 23.39	− 2 33.0	1.446	2.410	8.1	19.8
4 11	11 17.89	− 1 28.9	1.505	2.421	12.2	20.0
4 21	11 14.83	− 0 37.7	1.586	2.432	15.9	20.3

274952 2009 SM_{283} 3 14.2 166°.07 0°.6/13.5 16

2 11	11 58.83	+ 1 8.8	2.202	3.042	11.5	21.5
2 21	11 53.66	+ 2 3.4	2.127	3.046	8.2	21.3
3 2	11 46.83	+ 3 8.7	2.079	3.050	4.6	21.1
3 12	11 39.02	+ 4 19.4	2.060	3.053	0.9	20.8
3 22	11 31.01	+ 5 29.3	2.071	3.056	3.4	21.0
4 1	11 23.63	+ 6 32.2	2.111	3.058	7.2	21.3
4 11	11 17.61	+ 7 23.3	2.178	3.060	10.6	21.5
4 21	11 13.42	+ 7 59.9	2.267	3.061	13.4	21.7

394842 2008 SP_{238} 3 14.2 225°.31 3°.9/10.8 17

2 11	12 5.39	+10 24.4	1.795	2.652	12.9	22.1
2 21	11 58.89	+11 21.2	1.714	2.640	9.3	21.9
3 2	11 50.03	+12 22.7	1.658	2.627	5.7	21.7
3 12	11 39.64	+13 20.9	1.630	2.614	3.9	21.5
3 22	11 28.81	+14 8.2	1.631	2.599	6.6	21.6
4 1	11 18.75	+14 38.4	1.660	2.584	10.5	21.8
4 11	11 10.51	+14 48.3	1.713	2.568	14.3	22.0
4 21	11 4.77	+14 38.0	1.785	2.551	17.6	22.2

186293 2002 CL_{47} 3 14.2 123°.08 1°.4/12.6 18

2 11	12 0.17	+ 3 58.4	2.256	3.100	11.1	20.9
2 21	11 54.48	+ 4 53.5	2.196	3.118	7.9	20.7
3 2	11 47.22	+ 5 56.0	2.164	3.136	4.3	20.5
3 12	11 39.09	+ 7 0.2	2.161	3.153	1.4	20.4
3 22	11 30.88	+ 8 0.4	2.188	3.169	3.8	20.6
4 1	11 23.38	+ 8 51.2	2.245	3.185	7.3	20.8
4 11	11 17.28	+ 9 29.1	2.328	3.200	10.4	21.0
4 21	11 12.98	+ 9 52.4	2.433	3.214	13.0	21.2

30619 4045 $P–L$ 3 14.2 145°.76 0°.6/14.8 18

2 11	12 1.88	− 1 1.0	2.029	2.861	12.6	19.6
2 21	11 55.94	− 0 40.7	1.957	2.869	9.3	19.4
3 2	11 48.16	− 0 8.5	1.910	2.876	5.4	19.1
3 12	11 39.28	+ 0 31.4	1.891	2.883	1.3	18.9
3 22	11 30.20	+ 1 14.0	1.902	2.890	3.1	19.0
4 1	11 21.86	+ 1 53.9	1.941	2.896	7.1	19.3
4 11	11 15.07	+ 2 26.1	2.007	2.902	10.7	19.5
4 21	11 10.34	+ 2 47.6	2.096	2.907	13.8	19.7

110998 2001 UF_{219} 3 14.2 247°.09 4°.5/ 9.0 18 R

2 11	11 57.14	+10 10.7	1.791	2.661	12.2	19.0
2 21	11 52.83	+11 59.9	1.725	2.658	8.8	18.8
3 2	11 46.53	+13 55.5	1.685	2.655	5.5	18.6
3 12	11 38.99	+15 47.4	1.673	2.652	4.7	18.5
3 22	11 31.17	+17 25.6	1.690	2.648	7.4	18.7
4 1	11 24.08	+18 42.3	1.733	2.645	10.9	18.9
4 11	11 18.61	+19 33.4	1.800	2.642	14.3	19.1
4 21	11 15.31	+19 58.6	1.885	2.639	17.1	19.3

422744 2001 SZ_{174} 3 14.2 196°.50 1°.9/12.0 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 1.59	+ 6 54.1	2.499	3.343	10.2	22.9
2 21	11 55.52	+ 7 37.3	2.418	3.339	7.2	22.7
3 2	11 47.86	+ 8 25.7	2.364	3.335	4.1	22.5
3 12	11 39.23	+ 9 14.2	2.340	3.329	1.9	22.3
3 22	11 30.36	+ 9 58.0	2.347	3.323	4.1	22.4
4 1	11 22.06	+10 32.5	2.384	3.317	7.3	22.6
4 11	11 15.01	+10 54.9	2.448	3.309	10.3	22.8
4 21	11 9.70	+11 3.8	2.534	3.301	12.9	23.0

406421 2007 TL_{175} 3 14.2 183°.44 0°.3/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.82	+ 0 25.5	1.997	2.834	12.6	22.5
2 21	11 56.00	+ 1 9.0	1.918	2.835	9.1	22.3
3 2	11 48.25	+ 2 4.7	1.866	2.835	5.2	22.0
3 12	11 39.31	+ 3 7.5	1.841	2.834	0.9	21.7
3 22	11 30.09	+ 4 10.8	1.847	2.833	3.5	21.9
4 1	11 21.59	+ 5 8.1	1.881	2.831	7.7	22.2
4 11	11 14.63	+ 5 54.1	1.941	2.828	11.4	22.4
4 21	11 9.78	+ 6 25.6	2.024	2.824	14.6	22.6

41451 2000 LJ_{24} 3 14.2 281°.79 0°.5/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 56.41	− 3 37.6	1.759	2.599	13.9	18.3
2 21	11 52.44	− 2 30.0	1.667	2.583	10.3	18.0
3 2	11 46.40	− 1 1.4	1.599	2.567	6.1	17.7
3 12	11 38.99	+ 0 42.2	1.558	2.550	1.4	17.4
3 22	11 31.13	+ 2 32.3	1.545	2.534	3.6	17.5
4 1	11 23.87	+ 4 18.8	1.561	2.517	8.3	17.7
4 11	11 18.18	+ 5 52.3	1.602	2.501	12.7	18.0
4 21	11 14.70	+ 7 6.8	1.664	2.485	16.4	18.2

199580 2006 FD_{3} 3 14.2 234°.05 0°.2/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.94	+ 0 31.4	2.071	2.914	12.0	20.9
2 21	11 53.16	+ 1 10.2	1.992	2.911	8.7	20.7
3 2	11 46.63	+ 2 0.6	1.938	2.908	4.9	20.5
3 12	11 39.01	+ 2 57.8	1.911	2.904	0.9	20.2
3 22	11 31.13	+ 3 55.7	1.914	2.901	3.3	20.3
4 1	11 23.87	+ 4 48.5	1.945	2.897	7.3	20.6
4 11	11 18.02	+ 5 31.0	2.002	2.894	10.9	20.8
4 21	11 14.08	+ 6 0.2	2.081	2.890	14.0	21.0

461907 2006 QF_{2} 3 14.2 242°.79 1°.4/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.09	− 3 19.0	2.135	2.954	12.6	22.1
2 21	11 57.03	− 3 4.0	2.031	2.934	9.4	21.9
3 2	11 48.93	− 2 35.3	1.952	2.913	5.8	21.6
3 12	11 39.46	− 1 55.7	1.902	2.892	2.0	21.3
3 22	11 29.48	− 1 9.5	1.881	2.869	3.1	21.4
4 1	11 19.98	− 0 22.4	1.890	2.846	7.2	21.6
4 11	11 11.89	+ 0 19.9	1.926	2.822	11.1	21.8
4 21	11 5.86	+ 0 53.0	1.986	2.797	14.5	21.9

305672 2009 BF_{93} 3 14.2 107°.24 1°.7/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.35	+ 2 46.9	1.539	2.397	14.6	20.8
2 21	11 55.25	+ 3 57.6	1.479	2.407	10.4	20.5
3 2	11 47.91	+ 5 21.4	1.443	2.417	5.7	20.3
3 12	11 39.25	+ 6 49.7	1.434	2.426	1.8	20.0
3 22	11 30.38	+ 8 12.9	1.453	2.436	5.1	20.3
4 1	11 22.50	+ 9 22.2	1.499	2.445	9.7	20.6
4 11	11 16.56	+10 12.0	1.568	2.454	13.7	20.8
4 21	11 13.09	+10 40.1	1.658	2.462	17.1	21.1

68682 2002 CR_{140} 3 14.2 309°.41 3°.8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 55.79	+ 7 36.8	1.704	2.575	12.7	19.5
2 21	11 51.96	+ 9 22.5	1.632	2.567	9.0	19.2
3 2	11 46.10	+11 18.4	1.586	2.559	5.4	19.0
3 12	11 38.93	+13 14.3	1.567	2.551	4.0	18.9
3 22	11 31.42	+14 59.7	1.577	2.544	6.9	19.0
4 1	11 24.62	+16 25.5	1.613	2.536	10.8	19.2
4 11	11 19.47	+17 26.2	1.672	2.529	14.5	19.4
4 21	11 16.53	+18 0.5	1.750	2.523	17.6	19.6

242077 2002 TE_{187} 3 14.2 212°.35 2°.0/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.12	− 6 2.6	2.313	3.127	11.9	20.8
2 21	11 53.17	− 5 47.9	2.227	3.124	9.0	20.6
3 2	11 46.59	− 5 18.9	2.165	3.120	5.8	20.4
3 12	11 39.01	− 4 38.3	2.131	3.117	2.7	20.2
3 22	11 31.16	− 3 50.1	2.126	3.113	2.9	20.2
4 1	11 23.85	− 2 59.5	2.150	3.109	6.2	20.4
4 11	11 17.81	− 2 11.9	2.201	3.105	9.5	20.6
4 21	11 13.53	− 1 31.6	2.276	3.101	12.4	20.8

387123 2012 TK_{183} 3 14.2 55°.33 1°.2/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 56.61	− 3 55.2	2.061	2.891	12.5	21.0
2 21	11 52.13	− 3 23.0	1.992	2.901	9.3	20.8
3 2	11 45.99	− 2 36.3	1.948	2.911	5.6	20.6
3 12	11 38.89	− 1 39.4	1.931	2.922	1.9	20.4
3 22	11 31.63	− 0 37.8	1.943	2.932	2.9	20.5
4 1	11 25.04	+ 0 22.3	1.984	2.943	6.6	20.7
4 11	11 19.86	+ 1 15.1	2.050	2.954	10.1	21.0
4 21	11 16.52	+ 1 56.7	2.140	2.965	13.1	21.2

169982 2002 TF_{200} 3 14.2 127°.85 1°.3/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 57.85	+ 4 16.5	2.427	3.273	10.3	20.9
2 21	11 52.79	+ 5 2.8	2.360	3.283	7.3	20.7
3 2	11 46.29	+ 5 55.8	2.320	3.292	4.0	20.5
3 12	11 38.95	+ 6 50.6	2.310	3.302	1.3	20.3
3 22	11 31.48	+ 7 42.3	2.329	3.311	3.6	20.5
4 1	11 24.62	+ 8 26.1	2.378	3.319	6.8	20.7
4 11	11 18.98	+ 8 58.5	2.453	3.328	9.8	20.9
4 21	11 14.99	+ 9 18.0	2.550	3.336	12.3	21.1

174636 2003 SU_{125} 3 14.2 175°.25 0°.5/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.66	+ 1 9.4	2.028	2.867	12.4	21.5
2 21	11 55.84	+ 1 55.1	1.953	2.870	8.9	21.2
3 2	11 48.14	+ 2 52.2	1.903	2.873	5.0	21.0
3 12	11 39.30	+ 3 55.2	1.881	2.874	0.9	20.7
3 22	11 30.22	+ 4 57.8	1.890	2.875	3.6	20.9
4 1	11 21.85	+ 5 53.6	1.927	2.875	7.7	21.2
4 11	11 15.02	+ 6 37.6	1.991	2.875	11.3	21.4
4 21	11 10.24	+ 7 7.0	2.077	2.874	14.4	21.6

143033 2002 VN_{121} 3 14.2 115°.80 7°.5/22.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.38	−22 11.3	2.126	2.847	15.7	20.0
2 21	11 57.08	−22 39.6	2.055	2.868	13.3	19.8
3 2	11 48.84	−22 42.6	2.005	2.887	10.8	19.7
3 12	11 39.43	−22 19.5	1.980	2.907	8.6	19.6
3 22	11 29.82	−21 32.5	1.980	2.925	7.5	19.6
4 1	11 21.00	−20 26.9	2.008	2.943	8.4	19.6
4 11	11 13.83	−19 10.7	2.063	2.960	10.4	19.8
4 21	11 8.83	−17 52.1	2.141	2.976	12.7	20.0

444204 2005 SE_{252} 3 14.2 124°.69 0°.5/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.09	− 0 22.3	1.546	2.386	15.5	21.4
2 21	11 59.39	− 0 5.4	1.483	2.400	11.3	21.2
3 2	11 50.26	+ 0 25.5	1.444	2.413	6.5	20.9
3 12	11 39.71	+ 1 5.4	1.432	2.425	1.4	20.6
3 22	11 28.96	+ 1 47.6	1.448	2.437	3.9	20.8
4 1	11 19.32	+ 2 25.4	1.492	2.448	8.7	21.1
4 11	11 11.79	+ 2 53.0	1.560	2.458	13.0	21.4
4 21	11 6.95	+ 3 7.2	1.649	2.468	16.6	21.6

126331 2002 AJ_{151} 3 14.2 101°.01 0°.2/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.09	+ 0 49.8	1.873	2.717	13.0	19.9
2 21	11 54.79	+ 1 19.9	1.804	2.724	9.4	19.7
3 2	11 47.57	+ 2 1.3	1.760	2.731	5.3	19.4
3 12	11 39.21	+ 2 49.2	1.744	2.737	0.9	19.1
3 22	11 30.65	+ 3 37.4	1.756	2.744	3.5	19.4
4 1	11 22.88	+ 4 20.1	1.797	2.750	7.7	19.6
4 11	11 16.72	+ 4 52.2	1.863	2.757	11.5	19.9
4 21	11 12.69	+ 5 11.1	1.950	2.763	14.6	20.1

415474 2014 OD_{182} 3 14.2 190°.89 2°.9/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.13	+ 7 59.6	1.758	2.615	13.1	21.3
2 21	11 57.88	+ 8 44.3	1.687	2.614	9.4	21.0
3 2	11 49.41	+ 9 34.9	1.641	2.613	5.4	20.8
3 12	11 39.56	+10 24.3	1.622	2.611	2.9	20.6
3 22	11 29.43	+11 5.6	1.632	2.608	5.6	20.8
4 1	11 20.16	+11 32.9	1.670	2.605	9.7	21.0
4 11	11 12.73	+11 43.1	1.732	2.602	13.5	21.2
4 21	11 7.73	+11 35.7	1.814	2.598	16.7	21.5

326396 2001 RZ_{37} 3 14.2 126°.98 0°.2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.48	− 0 53.9	2.258	3.090	11.5	21.4
2 21	11 54.01	+ 0 12.7	2.195	3.108	8.3	21.2
3 2	11 46.99	+ 1 31.2	2.158	3.126	4.7	21.0
3 12	11 39.09	+ 2 55.8	2.150	3.143	0.8	20.8
3 22	11 31.10	+ 4 20.0	2.174	3.160	3.1	21.0
4 1	11 23.80	+ 5 37.2	2.227	3.176	6.8	21.3
4 11	11 17.85	+ 6 42.3	2.308	3.191	10.0	21.5
4 21	11 13.70	+ 7 32.3	2.412	3.205	12.7	21.7

84010 2002 OZ_{23} 3 14.2 140°.36 3°.6/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 56.94	−14 32.8	2.767	3.530	11.5	20.2
2 21	11 52.05	−14 6.0	2.685	3.542	9.2	20.0
3 2	11 45.86	−13 21.7	2.628	3.553	6.6	19.9
3 12	11 38.89	−12 21.8	2.598	3.564	4.4	19.7
3 22	11 31.78	−11 10.2	2.598	3.574	3.7	19.7
4 1	11 25.20	− 9 51.8	2.628	3.584	5.4	19.8
4 11	11 19.71	− 8 32.6	2.687	3.593	7.9	20.0
4 21	11 15.70	− 7 17.7	2.771	3.602	10.3	20.2

53980 2000 GK_{73} 3 14.2 314°.90 2°.3/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.03	+ 5 58.1	1.260	2.131	16.3	17.5
2 21	11 57.87	+ 6 23.0	1.188	2.121	11.8	17.2
3 2	11 49.75	+ 6 57.7	1.136	2.111	6.7	16.9
3 12	11 39.67	+ 7 34.8	1.110	2.101	2.4	16.6
3 22	11 29.05	+ 8 5.8	1.109	2.092	6.0	16.8
4 1	11 19.47	+ 8 23.3	1.132	2.084	11.4	17.1
4 11	11 12.27	+ 8 22.5	1.177	2.075	16.3	17.3
4 21	11 8.22	+ 8 2.4	1.240	2.068	20.5	17.6

15936 1997 YM_4 3 14.2 220°.70 6°.4/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 0.59	−18 39.2	2.223	2.969	14.5	18.3
2 21	11 55.20	−18 57.8	2.125	2.961	12.1	18.1
3 2	11 47.89	−18 54.2	2.049	2.952	9.5	17.9
3 12	11 39.30	−18 27.6	1.998	2.943	7.2	17.8
3 22	11 30.30	−17 40.0	1.974	2.933	6.4	17.7
4 1	11 21.82	−16 36.0	1.978	2.923	7.7	17.8
4 11	11 14.74	−15 22.7	2.008	2.913	10.2	17.9
4 21	11 9.68	−14 7.8	2.063	2.902	13.0	18.0

203810 2002 TY_{190} 3 14.2 180°.52 6°.2/22.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.80	−21 33.5	2.723	3.439	12.8	20.0
2 21	11 53.57	−21 50.9	2.630	3.440	10.8	19.9
3 2	11 46.81	−21 48.4	2.559	3.440	8.8	19.7
3 12	11 39.09	−21 25.6	2.513	3.440	7.0	19.6
3 22	11 31.10	−20 44.0	2.495	3.440	6.2	19.5
4 1	11 23.59	−19 47.3	2.505	3.439	6.9	19.6
4 11	11 17.24	−18 41.3	2.542	3.438	8.7	19.7
4 21	11 12.52	−17 31.9	2.604	3.436	10.8	19.8

466145 2012 HM_{34} 3 14.2 275°.52 0°.4/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 56.65	− 3 25.8	1.833	2.671	13.5	21.5
2 21	11 52.56	− 2 19.8	1.740	2.655	10.0	21.3
3 2	11 46.47	− 0 53.9	1.672	2.639	5.9	21.0
3 12	11 39.05	+ 0 46.2	1.631	2.623	1.3	20.6
3 22	11 31.20	+ 2 32.2	1.618	2.607	3.5	20.8
4 1	11 23.93	+ 4 14.7	1.634	2.590	8.1	21.0
4 11	11 18.17	+ 5 44.9	1.676	2.574	12.3	21.2
4 21	11 14.55	+ 6 57.1	1.739	2.557	15.9	21.4

16456 1989 UO 3 14.2 102°.92 2°.0/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.72	+ 5 0.5	1.653	2.508	13.9	18.5
2 21	11 57.44	+ 5 53.6	1.602	2.528	9.9	18.3
3 2	11 49.05	+ 6 55.0	1.576	2.549	5.4	18.1
3 12	11 39.49	+ 7 57.3	1.577	2.568	2.0	17.9
3 22	11 29.87	+ 8 52.7	1.607	2.587	5.0	18.1
4 1	11 21.32	+ 9 35.1	1.664	2.606	9.2	18.4
4 11	11 14.72	+10 0.5	1.746	2.624	12.9	18.7
4 21	11 10.53	+10 8.3	1.848	2.642	16.0	18.9

269263 2008 RS_{47} 3 14.2 276°.94 1°.8/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.36	− 2 33.5	1.897	2.725	13.6	20.7
2 21	11 57.39	− 2 48.3	1.804	2.710	10.2	20.4
3 2	11 49.22	− 2 50.9	1.734	2.696	6.3	20.1
3 12	11 39.57	− 2 43.5	1.692	2.681	2.4	19.9
3 22	11 29.42	− 2 29.5	1.679	2.667	3.4	19.9
4 1	11 19.88	− 2 13.2	1.694	2.652	7.6	20.1
4 11	11 11.96	− 1 59.7	1.734	2.637	11.7	20.3
4 21	11 6.33	− 1 53.0	1.798	2.623	15.2	20.5

81314 2000 GQ_{12} 3 14.2 243°.95 1°.3/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.49	+ 4 10.1	1.991	2.839	12.2	20.1
2 21	11 55.90	+ 4 46.7	1.902	2.825	8.8	19.8
3 2	11 48.30	+ 5 32.4	1.839	2.811	4.9	19.6
3 12	11 39.39	+ 6 21.8	1.804	2.796	1.4	19.3
3 22	11 30.08	+ 7 8.9	1.798	2.781	4.2	19.5
4 1	11 21.39	+ 7 47.7	1.821	2.766	8.3	19.7
4 11	11 14.21	+ 8 13.9	1.869	2.750	12.1	19.9
4 21	11 9.15	+ 8 25.1	1.939	2.733	15.4	20.1

497789 2006 SJ_{397} 3 14.2 80°.75 4°.0/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.04	+14 43.4	2.286	3.142	10.5	21.1
2 21	11 55.85	+15 13.8	2.228	3.152	7.6	21.0
3 2	11 48.04	+15 42.3	2.198	3.162	5.0	20.8
3 12	11 39.32	+16 3.6	2.195	3.172	4.0	20.8
3 22	11 30.54	+16 13.5	2.222	3.181	5.8	20.9
4 1	11 22.53	+16 9.4	2.278	3.191	8.6	21.1
4 11	11 15.99	+15 50.6	2.358	3.201	11.3	21.3
4 21	11 11.33	+15 17.8	2.460	3.211	13.6	21.5

362055 2009 BQ_{45} 3 14.2 344°.62 1°.6/15.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.34	− 3 28.2	1.338	2.189	16.8	21.0
2 21	11 54.99	− 3 9.6	1.266	2.185	12.6	20.8
3 2	11 48.03	− 2 30.5	1.214	2.182	7.6	20.5
3 12	11 39.37	− 1 35.5	1.188	2.179	2.5	20.1
3 22	11 30.28	− 0 32.3	1.186	2.176	4.0	20.2
4 1	11 22.13	+ 0 29.8	1.210	2.174	9.3	20.5
4 11	11 16.11	+ 1 21.8	1.257	2.173	14.2	20.8
4 21	11 12.91	+ 1 58.2	1.324	2.172	18.3	21.0

72119 2000 YL_{63} 3 14.2 334°.70 6°.2/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.74	−10 34.8	1.283	2.111	18.8	18.0
2 21	11 55.59	−11 20.2	1.202	2.098	15.1	17.7
3 2	11 48.56	−11 41.3	1.140	2.087	10.9	17.5
3 12	11 39.51	−11 36.9	1.101	2.076	7.2	17.2
3 22	11 29.74	−11 9.5	1.085	2.067	6.6	17.2
4 1	11 20.82	−10 25.7	1.093	2.058	10.0	17.3
4 11	11 14.14	− 9 35.4	1.124	2.050	14.5	17.5
4 21	11 10.55	− 8 48.3	1.174	2.043	18.7	17.8

408630 2014 LC_{11} 3 14.2 268°.62 2°.1/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 1.06	− 5 26.2	1.543	2.376	15.9	22.1
2 21	11 56.23	− 5 0.3	1.446	2.355	12.1	21.8
3 2	11 48.81	− 4 12.2	1.372	2.334	7.6	21.5
3 12	11 39.55	− 3 5.2	1.322	2.312	3.0	21.1
3 22	11 29.58	− 1 46.1	1.300	2.290	3.9	21.1
4 1	11 20.24	− 0 24.2	1.305	2.267	9.0	21.4
4 11	11 12.77	+ 0 50.6	1.334	2.244	14.0	21.6
4 21	11 7.99	+ 1 50.7	1.383	2.220	18.3	21.8

518144 2016 EN_{224} 3 14.2 62°.81 2°.5/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.41	− 4 19.0	1.613	2.444	15.4	20.6
2 21	11 57.42	− 4 31.8	1.550	2.456	11.6	20.4
3 2	11 49.17	− 4 28.5	1.509	2.469	7.3	20.2
3 12	11 39.56	− 4 11.7	1.494	2.482	3.2	20.0
3 22	11 29.75	− 3 46.1	1.506	2.494	3.8	20.0
4 1	11 20.92	− 3 17.6	1.546	2.508	7.9	20.3
4 11	11 14.05	− 2 52.3	1.611	2.521	12.0	20.6
4 21	11 9.69	− 2 34.7	1.697	2.534	15.4	20.8

500545 2012 UR_{31} 3 14.2 125°.98 3°.5/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.64	−11 31.0	2.534	3.318	11.9	21.5
2 21	11 52.70	−11 28.0	2.453	3.325	9.4	21.4
3 2	11 46.30	−11 9.0	2.396	3.332	6.6	21.2
3 12	11 39.03	−10 35.6	2.367	3.339	4.2	21.1
3 22	11 31.56	− 9 51.0	2.366	3.346	3.7	21.0
4 1	11 24.63	− 8 59.7	2.395	3.352	5.8	21.2
4 11	11 18.88	− 8 7.0	2.451	3.359	8.5	21.4
4 21	11 14.75	− 7 17.8	2.532	3.365	11.0	21.5

205949 2002 JZ_{89} 3 14.2 354°.09 0°.8/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.94	− 0 55.2	1.268	2.128	16.9	19.9
2 21	11 55.52	− 0 42.9	1.199	2.125	12.5	19.6
3 2	11 48.36	− 0 12.9	1.151	2.122	7.3	19.3
3 12	11 39.45	+ 0 29.4	1.128	2.120	1.8	18.9
3 22	11 30.10	+ 1 16.7	1.129	2.119	4.3	19.1
4 1	11 21.78	+ 2 0.2	1.155	2.118	9.8	19.4
4 11	11 15.72	+ 2 32.3	1.204	2.119	14.7	19.7
4 21	11 12.59	+ 2 48.6	1.272	2.120	18.9	19.9

192801 1999 VG_4 3 14.2 173°.07 0°.3/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.35	+ 0 32.9	2.411	3.247	10.8	20.6
2 21	11 53.24	+ 1 20.1	2.334	3.249	7.8	20.5
3 2	11 46.62	+ 2 17.4	2.283	3.252	4.4	20.2
3 12	11 39.09	+ 3 20.3	2.261	3.254	0.8	20.0
3 22	11 31.37	+ 4 23.3	2.269	3.255	3.0	20.1
4 1	11 24.20	+ 5 21.1	2.307	3.256	6.6	20.4
4 11	11 18.27	+ 6 9.1	2.372	3.256	9.7	20.6
4 21	11 14.01	+ 6 44.6	2.460	3.256	12.5	20.8

408390 2013 GX_{105} 3 14.2 48°.88 0°.9/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.26	− 4 1.8	1.426	2.273	16.2	21.3
2 21	11 54.01	− 3 5.7	1.358	2.276	12.0	21.1
3 2	11 47.37	− 1 47.3	1.311	2.279	7.1	20.8
3 12	11 39.25	− 0 13.3	1.290	2.282	1.9	20.5
3 22	11 30.81	+ 1 26.4	1.296	2.286	3.9	20.6
4 1	11 23.31	+ 3 0.7	1.328	2.289	9.0	20.9
4 11	11 17.80	+ 4 20.1	1.384	2.293	13.7	21.2
4 21	11 14.87	+ 5 19.0	1.461	2.296	17.5	21.4

122427 2000 QE_{108} 3 14.2 197°.16 2°.2/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.20	+ 6 43.2	2.180	3.031	11.1	20.0
2 21	11 54.74	+ 7 34.0	2.104	3.029	7.9	19.8
3 2	11 47.54	+ 8 31.0	2.054	3.026	4.5	19.6
3 12	11 39.27	+ 9 28.4	2.033	3.023	2.2	19.4
3 22	11 30.76	+10 20.2	2.042	3.019	4.6	19.5
4 1	11 22.88	+11 1.3	2.080	3.015	8.1	19.8
4 11	11 16.41	+11 28.0	2.143	3.010	11.4	19.9
4 21	11 11.83	+11 39.0	2.228	3.005	14.2	20.1

464185 2015 AX_{250} 3 14.2 295°.91 7°.1/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.46	+20 48.3	1.855	2.719	12.2	20.2
2 21	11 56.64	+21 53.1	1.796	2.716	9.5	20.1
3 2	11 48.69	+22 51.7	1.763	2.712	7.4	19.9
3 12	11 39.48	+23 35.3	1.756	2.709	7.3	19.9
3 22	11 30.07	+23 57.6	1.775	2.706	9.3	20.0
4 1	11 21.57	+23 55.2	1.820	2.703	12.1	20.2
4 11	11 14.89	+23 28.5	1.887	2.700	14.9	20.4
4 21	11 10.56	+22 40.3	1.972	2.697	17.4	20.5

236139 2005 UE_{17} 3 14.2 111°.85 0°.2/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.50	+ 0 42.7	1.514	2.360	15.4	21.1
2 21	11 58.97	+ 1 10.2	1.456	2.376	11.2	20.9
3 2	11 50.04	+ 1 51.0	1.421	2.392	6.3	20.6
3 12	11 39.73	+ 2 39.2	1.414	2.407	1.1	20.3
3 22	11 29.28	+ 3 27.5	1.434	2.421	4.1	20.6
4 1	11 19.97	+ 4 8.7	1.481	2.436	8.9	20.9
4 11	11 12.80	+ 4 37.5	1.553	2.449	13.2	21.2
4 21	11 8.30	+ 4 51.2	1.646	2.462	16.7	21.4

363504 Belleau 3 14.2 121°.39 2°.2/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 0.36	− 6 42.6	1.716	2.539	15.0	21.5
2 21	11 55.16	− 6 9.9	1.647	2.549	11.3	21.3
3 2	11 47.88	− 5 17.0	1.600	2.559	7.1	21.1
3 12	11 39.34	− 4 8.4	1.580	2.568	3.0	20.8
3 22	11 30.58	− 2 51.1	1.588	2.577	3.5	20.9
4 1	11 22.66	− 1 33.2	1.624	2.585	7.6	21.2
4 11	11 16.51	− 0 22.8	1.685	2.593	11.6	21.4
4 21	11 12.66	+ 0 34.3	1.769	2.601	15.1	21.7

83064 2001 QG_{212} 3 14.2 298°.78 0°.4/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.01	+ 0 58.4	2.135	2.979	11.6	19.6
2 21	11 52.48	+ 1 37.4	2.056	2.976	8.4	19.4
3 2	11 46.28	+ 2 27.3	2.002	2.972	4.7	19.2
3 12	11 39.05	+ 3 23.3	1.976	2.969	0.8	18.9
3 22	11 31.56	+ 4 19.7	1.979	2.965	3.3	19.1
4 1	11 24.67	+ 5 10.7	2.010	2.962	7.1	19.3
4 11	11 19.12	+ 5 51.5	2.068	2.959	10.6	19.5
4 21	11 15.40	+ 6 19.2	2.147	2.956	13.6	19.7

193645 2001 DL_{23} 3 14.2 355°.49 1°.3/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.34	− 1 27.9	1.720	2.560	14.2	19.7
2 21	11 55.95	− 1 35.6	1.643	2.558	10.5	19.5
3 2	11 48.39	− 1 30.7	1.591	2.556	6.3	19.2
3 12	11 39.45	− 1 16.0	1.564	2.555	2.0	18.9
3 22	11 30.18	− 0 56.0	1.565	2.555	3.5	19.0
4 1	11 21.70	− 0 35.9	1.594	2.554	7.9	19.3
4 11	11 14.98	− 0 20.9	1.648	2.554	11.9	19.5
4 21	11 10.62	− 0 14.6	1.723	2.555	15.4	19.8

35471 1998 ED_{8} 3 14.2 50°.89 1°.1/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.81	+ 2 44.9	1.764	2.619	13.2	19.0
2 21	11 54.01	+ 3 31.1	1.696	2.622	9.5	18.8
3 2	11 47.22	+ 4 28.3	1.652	2.625	5.2	18.5
3 12	11 39.23	+ 5 30.3	1.636	2.628	1.3	18.2
3 22	11 30.99	+ 6 29.9	1.647	2.631	4.2	18.5
4 1	11 23.55	+ 7 20.3	1.686	2.635	8.5	18.7
4 11	11 17.78	+ 7 56.5	1.749	2.638	12.3	19.0
4 21	11 14.19	+ 8 16.0	1.833	2.642	15.6	19.2

34046 2000 OQ_{34} 3 14.2 239°.71 1°.0/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 55.76	− 4 13.0	2.353	3.177	11.4	19.3
2 21	11 51.48	− 3 29.2	2.266	3.172	8.5	19.1
3 2	11 45.68	− 2 31.2	2.205	3.168	5.1	18.8
3 12	11 38.94	− 1 22.9	2.172	3.163	1.7	18.6
3 22	11 31.96	− 0 9.6	2.169	3.158	2.7	18.7
4 1	11 25.49	+ 1 2.6	2.195	3.153	6.2	18.9
4 11	11 20.21	+ 2 8.0	2.249	3.148	9.5	19.1
4 21	11 16.58	+ 3 2.3	2.326	3.143	12.4	19.3

297542 2001 PX_{54} 3 14.2 234°.22 1°.0/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.58	+ 1 8.0	1.720	2.567	13.8	22.2
2 21	11 56.27	+ 2 9.0	1.632	2.554	10.1	21.9
3 2	11 48.67	+ 3 25.6	1.569	2.540	5.6	21.7
3 12	11 39.53	+ 4 51.0	1.533	2.526	1.2	21.3
3 22	11 29.90	+ 6 16.7	1.526	2.511	4.5	21.5
4 1	11 20.95	+ 7 33.7	1.547	2.495	9.2	21.7
4 11	11 13.73	+ 8 34.9	1.592	2.478	13.6	22.0
4 21	11 8.93	+ 9 16.3	1.659	2.461	17.2	22.2

203476 2002 AQ_{34} 3 14.2 165°.27 0°.6/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.36	− 1 6.4	1.921	2.751	13.3	20.2
2 21	11 57.89	− 0 44.7	1.846	2.757	9.8	20.0
3 2	11 49.39	− 0 10.2	1.796	2.762	5.7	19.7
3 12	11 39.64	+ 0 32.7	1.775	2.767	1.4	19.4
3 22	11 29.64	+ 1 18.6	1.782	2.771	3.3	19.6
4 1	11 20.43	+ 2 1.5	1.819	2.774	7.6	19.9
4 11	11 12.91	+ 2 36.1	1.882	2.776	11.4	20.1
4 21	11 7.63	+ 2 59.1	1.968	2.777	14.6	20.3

43505 2001 CK_{33} 3 14.2 59°.27 4°.9/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.60	+14 27.5	1.652	2.516	13.4	18.2
2 21	11 58.71	+15 4.7	1.615	2.542	9.7	18.0
3 2	11 49.71	+15 39.2	1.602	2.568	6.3	17.9
3 12	11 39.66	+16 3.6	1.616	2.594	4.9	17.8
3 22	11 29.73	+16 12.8	1.658	2.620	7.1	18.0
4 1	11 21.03	+16 3.9	1.726	2.646	10.5	18.3
4 11	11 14.40	+15 37.0	1.818	2.672	13.6	18.5
4 21	11 10.24	+14 54.4	1.930	2.699	16.3	18.8

394837 2008 SF_{180} 3 14.2 193°.72 3°.1/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.28	+ 8 28.0	1.946	2.799	12.2	21.9
2 21	11 57.88	+ 9 31.0	1.872	2.797	8.8	21.7
3 2	11 49.41	+10 39.9	1.823	2.793	5.1	21.5
3 12	11 39.65	+11 47.4	1.803	2.789	3.1	21.3
3 22	11 29.59	+12 46.0	1.813	2.784	5.7	21.5
4 1	11 20.28	+13 29.8	1.851	2.778	9.4	21.7
4 11	11 12.64	+13 55.3	1.915	2.771	13.0	21.9
4 21	11 7.26	+14 1.8	1.999	2.763	16.0	22.1

467156 2016 EV_{88} 3 14.2 61°.92 2°.7/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 2.18	− 5 28.1	1.528	2.360	16.1	21.6
2 21	11 56.71	− 5 31.8	1.460	2.367	12.2	21.3
3 2	11 48.87	− 5 16.6	1.415	2.374	7.8	21.1
3 12	11 39.55	− 4 45.8	1.394	2.382	3.5	20.8
3 22	11 29.95	− 4 4.5	1.401	2.389	4.0	20.9
4 1	11 21.31	− 3 20.0	1.434	2.397	8.3	21.2
4 11	11 14.67	− 2 39.6	1.492	2.405	12.5	21.4
4 21	11 10.63	− 2 8.9	1.570	2.412	16.2	21.7

122127 2000 JO_{19} 3 14.2 237°.92 4°.4/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.94	+13 29.2	2.362	3.220	10.1	20.6
2 21	11 54.60	+14 57.4	2.277	3.202	7.4	20.4
3 2	11 47.52	+16 28.6	2.220	3.184	5.0	20.2
3 12	11 39.31	+17 55.1	2.193	3.164	4.6	20.1
3 22	11 30.72	+19 9.9	2.196	3.144	6.7	20.2
4 1	11 22.63	+20 7.4	2.226	3.123	9.6	20.3
4 11	11 15.82	+20 44.3	2.282	3.101	12.5	20.5
4 21	11 10.83	+21 0.5	2.358	3.078	14.9	20.6

34904 3085 $P\text{–}L$ 3 14.2 61°.77 3°.7/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 56.00	−12 5.2	2.249	3.040	13.0	18.5
2 21	11 51.67	−11 47.5	2.173	3.049	10.2	18.4
3 2	11 45.78	−11 10.9	2.120	3.058	7.2	18.2
3 12	11 38.96	−10 17.7	2.094	3.068	4.4	18.0
3 22	11 31.97	− 9 12.1	2.096	3.078	3.9	18.0
4 1	11 25.58	− 8 0.2	2.127	3.088	6.1	18.2
4 11	11 20.48	− 6 48.7	2.185	3.098	9.1	18.4
4 21	11 17.12	− 5 43.1	2.267	3.107	11.9	18.6

209793 2005 GR_{24} 3 14.2 276°.07 1°.0/15.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.39	− 1 43.0	1.682	2.520	14.5	20.9
2 21	11 57.03	− 1 31.2	1.583	2.497	10.9	20.6
3 2	11 49.21	− 1 4.2	1.508	2.474	6.5	20.3
3 12	11 39.66	− 0 25.4	1.459	2.451	1.9	19.9
3 22	11 29.44	+ 0 19.8	1.438	2.427	3.7	20.0
4 1	11 19.81	+ 1 4.3	1.445	2.403	8.7	20.2
4 11	11 11.91	+ 1 41.4	1.476	2.379	13.3	20.4
4 21	11 6.56	+ 2 6.1	1.528	2.354	17.3	20.6

150851 2001 SY_{92} 3 14.2 79°.33 0°.4/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.04	− 3 45.8	1.743	2.578	14.2	20.6
2 21	11 54.02	− 2 30.7	1.690	2.604	10.3	20.4
3 2	11 47.13	− 0 58.2	1.662	2.629	6.0	20.2
3 12	11 39.21	+ 0 44.2	1.662	2.655	1.4	19.9
3 22	11 31.25	+ 2 27.5	1.691	2.680	3.4	20.1
4 1	11 24.21	+ 4 2.5	1.749	2.704	7.7	20.4
4 11	11 18.88	+ 5 22.4	1.832	2.729	11.5	20.7
4 21	11 15.67	+ 6 23.3	1.938	2.753	14.6	21.0

424645 2008 OV_{9} 3 14.3 290°.09 7°.0/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.89	−15 42.8	1.851	2.624	16.0	20.5
2 21	11 56.68	−16 28.7	1.742	2.599	13.3	20.3
3 2	11 49.05	−16 53.5	1.655	2.573	10.4	20.0
3 12	11 39.66	−16 54.8	1.593	2.548	7.8	19.8
3 22	11 29.48	−16 33.0	1.556	2.522	7.1	19.7
4 1	11 19.72	−15 51.8	1.546	2.496	9.1	19.7
4 11	11 11.56	−14 58.6	1.561	2.470	12.3	19.9
4 21	11 5.83	−14 1.6	1.598	2.444	15.8	20.0

504370 2007 VA_{60} 3 14.3 135°.69 2°.4/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.10	− 8 36.9	2.747	3.540	10.8	22.3
2 21	11 52.90	− 8 21.0	2.670	3.553	8.3	22.2
3 2	11 46.38	− 7 51.6	2.618	3.565	5.5	22.0
3 12	11 39.09	− 7 11.0	2.595	3.576	3.0	21.8
3 22	11 31.65	− 6 22.7	2.603	3.587	2.8	21.8
4 1	11 24.74	− 5 31.0	2.640	3.598	5.3	22.0
4 11	11 18.94	− 4 40.6	2.705	3.608	8.0	22.2
4 21	11 14.62	− 3 55.5	2.796	3.618	10.4	22.4

252227 2001 OV_{27} 3 14.3 135°.11 2°.4/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.70	+ 8 3.7	2.215	3.064	11.1	20.9
2 21	11 56.38	+ 8 50.4	2.156	3.079	7.9	20.8
3 2	11 48.39	+ 9 41.1	2.123	3.094	4.5	20.6
3 12	11 39.46	+10 30.0	2.120	3.108	2.4	20.5
3 22	11 30.43	+11 11.7	2.147	3.121	4.6	20.6
4 1	11 22.18	+11 41.9	2.202	3.133	7.9	20.9
4 11	11 15.41	+11 57.9	2.284	3.145	11.0	21.1
4 21	11 10.56	+11 59.4	2.388	3.156	13.6	21.3

369404 2009 WY_{24} 3 14.3 138°.53 0°.5/14.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.59	− 1 21.0	2.203	3.032	11.9	22.1
2 21	11 54.93	− 0 53.6	2.132	3.043	8.7	22.0
3 2	11 47.62	− 0 14.7	2.087	3.053	5.0	21.7
3 12	11 39.32	+ 0 31.5	2.070	3.062	1.2	21.5
3 22	11 30.87	+ 1 20.1	2.083	3.071	2.9	21.6
4 1	11 23.09	+ 2 5.8	2.125	3.080	6.6	21.9
4 11	11 16.71	+ 2 44.0	2.194	3.088	10.0	22.1
4 21	11 12.21	+ 3 11.6	2.287	3.095	12.9	22.3

495274 2013 QV_{93} 3 14.3 197°.48 1°.9/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 1.92	+ 7 3.4	2.427	3.272	10.4	22.6
2 21	11 55.84	+ 7 40.9	2.347	3.268	7.4	22.4
3 2	11 48.13	+ 8 23.3	2.293	3.264	4.2	22.1
3 12	11 39.43	+ 9 5.7	2.270	3.259	1.9	22.0
3 22	11 30.48	+ 9 43.3	2.277	3.254	4.1	22.1
4 1	11 22.12	+10 11.7	2.313	3.247	7.4	22.3
4 11	11 15.06	+10 28.1	2.376	3.241	10.5	22.5
4 21	11 9.78	+10 31.4	2.462	3.233	13.1	22.7

174198 2002 QS_{41} 3 14.3 197°.00 2°.2/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.82	+ 5 32.1	1.938	2.791	12.2	20.8
2 21	11 55.39	+ 6 32.2	1.863	2.788	8.7	20.6
3 2	11 48.00	+ 7 40.9	1.813	2.786	4.9	20.3
3 12	11 39.41	+ 8 51.5	1.792	2.782	2.2	20.1
3 22	11 30.53	+ 9 56.6	1.801	2.779	4.9	20.3
4 1	11 22.37	+10 49.8	1.837	2.774	8.8	20.5
4 11	11 15.77	+11 26.5	1.898	2.770	12.4	20.7
4 21	11 11.30	+11 45.2	1.981	2.764	15.5	20.9

242363 2004 CP_{14} 3 14.3 13°.27 1°.1/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.71	+ 3 27.3	1.888	2.743	12.4	20.3
2 21	11 53.13	+ 4 3.7	1.819	2.745	8.9	20.1
3 2	11 46.71	+ 4 49.4	1.774	2.747	4.9	19.9
3 12	11 39.17	+ 5 38.8	1.757	2.749	1.2	19.6
3 22	11 31.42	+ 6 25.9	1.768	2.752	4.0	19.8
4 1	11 24.39	+ 7 4.7	1.806	2.755	8.0	20.0
4 11	11 18.89	+ 7 31.1	1.869	2.759	11.7	20.3
4 21	11 15.43	+ 7 42.7	1.953	2.762	14.7	20.5

152347 2005 UC_{83} 3 14.3 287°.18 2°.4/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.77	+ 6 47.4	1.725	2.586	13.1	20.3
2 21	11 55.59	+ 7 27.8	1.649	2.578	9.4	20.1
3 2	11 48.22	+ 8 15.6	1.597	2.570	5.3	19.8
3 12	11 39.47	+ 9 4.2	1.573	2.563	2.4	19.6
3 22	11 30.37	+ 9 46.5	1.576	2.555	5.3	19.8
4 1	11 22.04	+10 16.5	1.606	2.547	9.5	20.0
4 11	11 15.46	+10 30.2	1.659	2.540	13.4	20.2
4 21	11 11.22	+10 26.5	1.734	2.532	16.7	20.4

511511 2014 OD_{344} 3 14.3 226°.25 1°.7/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.73	− 4 12.2	1.954	2.773	13.6	22.1
2 21	11 57.64	− 3 56.5	1.858	2.761	10.2	21.8
3 2	11 49.40	− 3 25.1	1.787	2.747	6.3	21.5
3 12	11 39.71	− 2 41.1	1.743	2.733	2.4	21.3
3 22	11 29.53	− 1 49.4	1.729	2.718	3.3	21.3
4 1	11 19.95	− 0 56.3	1.744	2.702	7.6	21.5
4 11	11 11.94	− 0 8.3	1.786	2.685	11.6	21.7
4 21	11 6.17	+ 0 29.6	1.850	2.667	15.1	21.9

62995 2000 WD_{16} 3 14.3 255°.46 4°.9/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.94	+15 12.7	2.110	2.969	11.1	19.4
2 21	11 56.20	+16 11.5	2.028	2.952	8.2	19.2
3 2	11 48.50	+17 10.4	1.973	2.935	5.7	19.0
3 12	11 39.53	+18 2.0	1.945	2.917	5.0	18.9
3 22	11 30.20	+18 39.9	1.947	2.898	7.1	19.0
4 1	11 21.49	+18 59.4	1.975	2.880	10.2	19.1
4 11	11 14.29	+18 58.6	2.028	2.860	13.3	19.3
4 21	11 9.18	+18 38.2	2.100	2.841	16.0	19.4

256260 2006 WH_{54} 3 14.3 110°.23 1°.9/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.45	+ 5 36.4	1.867	2.719	12.7	21.2
2 21	11 56.44	+ 6 20.8	1.810	2.735	9.0	21.0
3 2	11 48.51	+ 7 12.2	1.778	2.751	5.0	20.8
3 12	11 39.51	+ 8 4.1	1.775	2.766	1.9	20.6
3 22	11 30.40	+ 8 50.2	1.800	2.780	4.6	20.8
4 1	11 22.19	+ 9 25.2	1.853	2.795	8.5	21.1
4 11	11 15.69	+ 9 45.5	1.932	2.808	12.0	21.3
4 21	11 11.36	+ 9 50.2	2.032	2.822	14.9	21.5

52153 2043 $T\text{-}_{1}$ 3 14.3 96°.05 0°.3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.45	+ 0 3.9	1.841	2.682	13.4	19.0
2 21	11 55.69	+ 0 53.6	1.787	2.705	9.6	18.9
3 2	11 48.07	+ 1 55.6	1.758	2.728	5.4	18.6
3 12	11 39.42	+ 3 3.6	1.758	2.751	0.9	18.4
3 22	11 30.71	+ 4 10.5	1.786	2.773	3.6	18.6
4 1	11 22.92	+ 5 9.8	1.843	2.794	7.7	18.9
4 11	11 16.83	+ 5 56.2	1.925	2.815	11.3	19.2
4 21	11 12.87	+ 6 27.2	2.029	2.836	14.4	19.4

500685 2012 VA_{83} 3 14.3 147°.10 3°.4/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.78	+13 55.4	2.864	3.717	8.7	22.2
2 21	11 53.33	+14 45.0	2.804	3.726	6.3	22.1
3 2	11 46.61	+15 34.1	2.771	3.735	4.1	21.9
3 12	11 39.16	+16 17.9	2.769	3.743	3.5	21.9
3 22	11 31.62	+16 52.2	2.797	3.751	5.1	22.0
4 1	11 24.63	+17 14.2	2.853	3.758	7.4	22.2
4 11	11 18.74	+17 22.3	2.935	3.765	9.7	22.4
4 21	11 14.33	+17 16.6	3.040	3.772	11.7	22.5

152431 2005 UV_{408} 3 14.3 22°.45 2°.4/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 59.01	+ 5 42.7	1.415	2.286	14.8	19.6
2 21	11 54.51	+ 6 27.6	1.358	2.292	10.6	19.3
3 2	11 47.64	+ 7 21.9	1.324	2.299	5.9	19.1
3 12	11 39.38	+ 8 17.4	1.315	2.306	2.4	18.9
3 22	11 30.91	+ 9 5.8	1.333	2.314	5.6	19.1
4 1	11 23.48	+ 9 40.1	1.375	2.323	10.2	19.4
4 11	11 18.08	+ 9 56.0	1.441	2.333	14.3	19.6
4 21	11 15.24	+ 9 52.6	1.526	2.343	17.8	19.9

284617 2007 UL_{96} 3 14.3 255°.05 2°.9/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 56.97	− 9 8.3	2.271	3.073	12.5	21.3
2 21	11 52.46	− 8 52.2	2.181	3.068	9.7	21.1
3 2	11 46.31	− 8 19.1	2.115	3.063	6.5	20.9
3 12	11 39.14	− 7 31.3	2.076	3.057	3.6	20.7
3 22	11 31.67	− 6 32.9	2.066	3.052	3.4	20.6
4 1	11 24.74	− 5 29.5	2.085	3.046	6.2	20.8
4 11	11 19.06	− 4 27.3	2.131	3.040	9.5	21.0
4 21	11 15.14	− 3 31.6	2.200	3.034	12.4	21.2

516712 2008 YA_{175} 3 14.3 154°.41 2°.5/11.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.38	+ 8 10.1	2.474	3.328	9.9	21.6
2 21	11 52.53	+ 9 14.5	2.407	3.334	7.0	21.4
3 2	11 46.25	+10 23.4	2.367	3.339	4.0	21.3
3 12	11 39.12	+11 31.0	2.357	3.343	2.5	21.2
3 22	11 31.83	+12 31.7	2.377	3.347	4.6	21.3
4 1	11 25.11	+13 20.8	2.425	3.351	7.6	21.5
4 11	11 19.58	+13 55.3	2.500	3.355	10.4	21.7
4 21	11 15.67	+14 14.1	2.596	3.358	12.7	21.9

31132 1997 SD_{13} 3 14.3 68°.15 0°.1/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.20	− 1 44.7	1.371	2.225	16.2	18.1
2 21	11 54.74	− 0 42.1	1.308	2.232	11.8	17.8
3 2	11 47.83	+ 0 40.6	1.269	2.240	6.7	17.6
3 12	11 39.43	+ 2 15.4	1.254	2.247	1.2	17.2
3 22	11 30.77	+ 3 51.6	1.267	2.255	4.3	17.5
4 1	11 23.14	+ 5 18.3	1.305	2.262	9.5	17.8
4 11	11 17.59	+ 6 27.1	1.367	2.270	14.1	18.1
4 21	11 14.69	+ 7 13.7	1.448	2.278	18.0	18.3

151705 2003 BE_{30} 3 14.3 319°.53 4°.0/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 55.64	+10 29.9	1.929	2.798	11.5	19.4
2 21	11 51.77	+11 46.3	1.850	2.783	8.3	19.1
3 2	11 46.03	+13 8.2	1.797	2.768	5.2	18.9
3 12	11 39.10	+14 27.6	1.772	2.753	4.1	18.8
3 22	11 31.83	+15 36.6	1.775	2.739	6.5	18.9
4 1	11 25.17	+16 28.8	1.804	2.725	10.0	19.1
4 11	11 19.96	+17 0.1	1.857	2.712	13.4	19.3
4 21	11 16.75	+17 9.7	1.929	2.699	16.3	19.5

432083 2008 YL_{142} 3 14.3 131°.01 1°.1/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.45	+ 3 43.1	2.354	3.199	10.7	22.0
2 21	11 53.33	+ 4 24.3	2.285	3.207	7.6	21.8
3 2	11 46.71	+ 5 12.8	2.243	3.214	4.2	21.6
3 12	11 39.20	+ 6 3.8	2.230	3.222	1.1	21.3
3 22	11 31.55	+ 6 52.3	2.246	3.229	3.5	21.5
4 1	11 24.51	+ 7 33.6	2.292	3.236	6.9	21.8
4 11	11 18.74	+ 8 3.9	2.364	3.243	10.0	22.0
4 21	11 14.67	+ 8 21.5	2.459	3.249	12.6	22.2

281526 2008 TY_{104} 3 14.3 80°.62 2°.1/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.90	− 6 13.7	1.991	2.812	13.3	20.5
2 21	11 53.23	− 5 49.4	1.915	2.817	10.0	20.3
3 2	11 46.77	− 5 8.2	1.864	2.822	6.4	20.1
3 12	11 39.23	− 4 13.7	1.839	2.827	2.8	19.9
3 22	11 31.46	− 3 11.4	1.843	2.832	3.1	19.9
4 1	11 24.37	− 2 7.6	1.875	2.837	6.8	20.1
4 11	11 18.75	− 1 9.1	1.934	2.842	10.4	20.4
4 21	11 15.08	− 0 20.6	2.015	2.847	13.5	20.6

53885 2000 FX_{39} 3 14.3 337°.63 5°.1/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.53	+10 59.7	1.166	2.048	16.5	18.9
2 21	11 57.67	+11 47.7	1.102	2.040	12.0	18.6
3 2	11 49.73	+12 40.4	1.061	2.034	7.3	18.3
3 12	11 39.83	+13 27.1	1.043	2.028	5.1	18.2
3 22	11 29.46	+13 57.8	1.049	2.023	8.3	18.3
4 1	11 20.31	+14 5.2	1.078	2.018	13.2	18.6
4 11	11 13.72	+13 47.1	1.128	2.014	17.9	18.8
4 21	11 10.38	+13 5.1	1.195	2.011	21.8	19.1

471860 2013 AM_{9} 3 14.3 213°.62 6°.2/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.13	+24 55.8	2.840	3.689	8.9	21.3
2 21	11 53.76	+26 9.5	2.780	3.683	7.2	21.2
3 2	11 46.94	+27 16.4	2.747	3.675	6.3	21.1
3 12	11 39.26	+28 10.7	2.743	3.668	6.6	21.1
3 22	11 31.39	+28 47.6	2.766	3.660	8.0	21.2
4 1	11 24.06	+29 4.8	2.816	3.651	9.8	21.3
4 11	11 17.91	+29 1.9	2.888	3.642	11.7	21.4
4 21	11 13.37	+28 40.4	2.979	3.633	13.3	21.5

470122 2006 TV_{129} 3 14.3 224°.46 4°.4/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 56.24	−15 58.3	2.664	3.422	12.0	22.1
2 21	11 51.78	−15 45.4	2.565	3.415	9.8	22.0
3 2	11 45.88	−15 13.7	2.490	3.408	7.3	21.8
3 12	11 39.07	−14 24.3	2.442	3.401	5.2	21.6
3 22	11 32.00	−13 20.2	2.422	3.394	4.4	21.6
4 1	11 25.38	−12 6.2	2.432	3.386	5.9	21.6
4 11	11 19.84	−10 48.2	2.469	3.378	8.4	21.8
4 21	11 15.84	− 9 32.4	2.532	3.370	10.9	21.9

91714 1999 TW_{153} 3 14.3 110°.87 3°.4/10.8 18 R

2 11	12 1.11	+10 46.4	2.063	2.921	11.4	18.8
2 21	11 55.39	+11 36.2	2.005	2.932	8.1	18.6
3 2	11 47.92	+12 28.1	1.974	2.943	4.9	18.4
3 12	11 39.45	+13 15.6	1.971	2.954	3.4	18.4
3 22	11 30.87	+13 53.0	1.997	2.965	5.6	18.5
4 1	11 23.08	+14 16.1	2.051	2.975	8.8	18.7
4 11	11 16.84	+14 22.9	2.129	2.985	11.9	18.9
4 21	11 12.59	+14 13.4	2.229	2.995	14.5	19.1

165329 2000 UV_{96} 3 14.3 108°.12 0°.9/13.6 18

2 11	12 4.42	+ 2 48.0	1.607	2.457	14.5	20.5
2 21	11 58.15	+ 3 16.3	1.548	2.470	10.4	20.3
3 2	11 49.62	+ 3 55.1	1.512	2.483	5.8	20.0
3 12	11 39.78	+ 4 38.5	1.503	2.496	1.2	19.7
3 22	11 29.78	+ 5 19.7	1.523	2.508	4.3	20.0
4 1	11 20.81	+ 5 52.4	1.569	2.520	8.8	20.3
4 11	11 13.84	+ 6 12.2	1.641	2.532	12.9	20.6
4 21	11 9.39	+ 6 17.0	1.733	2.543	16.3	20.8

242257 2003 SU_{283} 3 14.3 255°.64 3°.2/16.9 17

2 11	12 2.83	− 7 56.3	1.890	2.698	14.4	21.1
2 21	11 57.20	− 7 52.7	1.784	2.676	11.2	20.9
3 2	11 49.29	− 7 30.1	1.702	2.653	7.5	20.6
3 12	11 39.77	− 6 50.3	1.647	2.630	4.0	20.3
3 22	11 29.60	− 5 57.0	1.619	2.606	4.0	20.3
4 1	11 19.93	− 4 56.6	1.621	2.580	7.8	20.5
4 11	11 11.82	− 3 56.9	1.648	2.555	11.9	20.6
4 21	11 6.02	− 3 4.4	1.698	2.528	15.7	20.8

385665 2005 SR_{99} 3 14.3 254°.72 0°.6/14.9 17

2 11	11 58.15	− 1 7.8	2.581	3.408	10.4	21.1
2 21	11 53.14	− 0 53.2	2.488	3.397	7.7	20.9
3 2	11 46.66	− 0 29.0	2.421	3.386	4.5	20.7
3 12	11 39.23	+ 0 1.8	2.383	3.375	1.2	20.4
3 22	11 31.54	+ 0 35.7	2.375	3.364	2.5	20.5
4 1	11 24.29	+ 1 8.5	2.397	3.352	5.9	20.7
4 11	11 18.16	+ 1 36.3	2.446	3.341	9.1	20.9
4 21	11 13.60	+ 1 56.2	2.519	3.329	11.8	21.0

55754 1991 RP_{18} 3 14.3 174°.13 0°.4/14.7 18

2 11	12 3.68	− 1 22.6	1.837	2.669	13.7	20.3
2 21	11 57.54	− 0 49.0	1.761	2.673	10.1	20.1
3 2	11 49.29	− 0 1.1	1.709	2.676	5.9	19.9
3 12	11 39.74	+ 0 56.1	1.685	2.678	1.3	19.6
3 22	11 29.88	+ 1 56.3	1.691	2.679	3.4	19.7
4 1	11 20.83	+ 2 52.5	1.725	2.680	7.9	20.0
4 11	11 13.50	+ 3 38.7	1.785	2.679	11.9	20.2
4 21	11 8.47	+ 4 11.0	1.867	2.678	15.3	20.4

79180 1993 FR_{62} 3 14.3 338°.18 2°.1/12.3 18

2 11	11 58.68	+ 6 48.9	1.975	2.833	11.8	19.6
2 21	11 53.84	+ 7 21.1	1.900	2.828	8.4	19.3
3 2	11 47.15	+ 7 59.2	1.850	2.823	4.8	19.1
3 12	11 39.33	+ 8 37.7	1.828	2.819	2.1	18.9
3 22	11 31.25	+ 9 11.0	1.835	2.814	4.6	19.1
4 1	11 23.85	+ 9 34.2	1.869	2.811	8.3	19.3
4 11	11 17.94	+ 9 44.1	1.927	2.807	11.8	19.5
4 21	11 14.04	+ 9 39.2	2.007	2.804	14.8	19.7

245102 2004 PL_{40} 3 14.3 207°.69 1°.1/12.8 17

2 11	11 58.23	+ 2 31.6	2.495	3.335	10.3	20.8
2 21	11 53.23	+ 3 39.1	2.409	3.328	7.4	20.6
3 2	11 46.71	+ 4 56.5	2.350	3.321	4.1	20.3
3 12	11 39.25	+ 6 18.3	2.321	3.313	1.2	20.1
3 22	11 31.53	+ 7 38.4	2.323	3.304	3.6	20.3
4 1	11 24.29	+ 8 50.9	2.355	3.295	7.0	20.5
4 11	11 18.22	+ 9 51.0	2.414	3.285	10.1	20.6
4 21	11 13.77	+10 36.2	2.497	3.275	12.8	20.8

494748 2005 WU_{119} 3 14.3 154°.14 4°.9/ 8.2 18

2 11	12 2.50	+18 1.8	2.550	3.402	9.7	22.2
2 21	11 56.15	+19 6.8	2.496	3.413	7.3	22.1
3 2	11 48.27	+20 8.4	2.469	3.423	5.3	22.0
3 12	11 39.53	+21 0.3	2.473	3.432	5.1	22.0
3 22	11 30.69	+21 37.8	2.505	3.440	6.7	22.1
4 1	11 22.53	+21 57.7	2.566	3.448	9.1	22.2
4 11	11 15.73	+21 59.5	2.651	3.455	11.4	22.4
4 21	11 10.70	+21 44.2	2.757	3.461	13.3	22.6

366918 2005 UC_{211} 3 14.3 130°.36 1°.8/16.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 59.35	− 6 4.9	2.057	2.874	13.1	22.0
2 21	11 54.20	− 5 32.5	1.984	2.884	9.8	21.8
3 2	11 47.30	− 4 43.6	1.936	2.894	6.2	21.6
3 12	11 39.36	− 3 42.2	1.915	2.903	2.6	21.4
3 22	11 31.23	− 2 33.8	1.923	2.912	3.0	21.4
4 1	11 23.80	− 1 25.0	1.961	2.921	6.7	21.7
4 11	11 17.83	− 0 22.4	2.025	2.929	10.2	21.9
4 21	11 13.80	+ 0 29.4	2.112	2.936	13.3	22.1

472569 2015 DB_{82} 3 14.3 49°.06 1°.7/12.5 17

2 11	11 58.22	+ 4 43.4	1.950	2.806	12.1	21.2
2 21	11 53.49	+ 5 32.8	1.881	2.808	8.6	21.0
3 2	11 46.94	+ 6 30.7	1.837	2.810	4.8	20.8
3 12	11 39.30	+ 7 30.9	1.821	2.812	1.7	20.6
3 22	11 31.44	+ 8 26.8	1.834	2.815	4.4	20.8
4 1	11 24.30	+ 9 12.5	1.874	2.817	8.2	21.0
4 11	11 18.65	+ 9 43.9	1.939	2.820	11.7	21.2
4 21	11 15.00	+ 9 59.0	2.026	2.823	14.7	21.4

55135 2001 QP_{183} 3 14.3 297°.38 3°.1/17.9 18

2 11	11 56.28	−10 6.1	2.158	2.960	13.1	19.4
2 21	11 52.05	− 9 44.3	2.070	2.956	10.2	19.2
3 2	11 46.13	− 9 3.7	2.006	2.952	6.9	19.0
3 12	11 39.15	− 8 6.6	1.968	2.948	3.9	18.8
3 22	11 31.89	− 6 57.7	1.959	2.944	3.6	18.7
4 1	11 25.19	− 5 43.2	1.978	2.940	6.4	18.9
4 11	11 19.81	− 4 30.3	2.024	2.936	9.8	19.1
4 21	11 16.24	− 3 24.8	2.094	2.933	12.8	19.3

242163 2003 FB_{94} 3 14.3 291°.25 5°.1/ 9.3 18

2 11	11 59.73	+13 19.5	1.752	2.622	12.5	20.2
2 21	11 54.84	+14 32.2	1.684	2.615	9.1	19.9
3 2	11 47.82	+15 46.8	1.642	2.608	6.1	19.7
3 12	11 39.48	+16 54.6	1.626	2.602	5.2	19.7
3 22	11 30.83	+17 47.4	1.637	2.595	7.7	19.8
4 1	11 22.97	+18 19.4	1.674	2.588	11.1	20.0
4 11	11 16.84	+18 28.3	1.734	2.582	14.5	20.2
4 21	11 13.02	+18 14.6	1.813	2.575	17.4	20.4

418398 2008 JJ_{21} 3 14.3 289°.15 0°.7/14.7 17

2 11	12 6.51	+ 1 9.0	1.740	2.578	14.1	20.4
2 21	12 0.05	+ 0 50.9	1.637	2.552	10.5	20.1
3 2	11 51.01	+ 0 41.7	1.559	2.527	6.2	19.8
3 12	11 40.13	+ 0 39.0	1.509	2.501	1.5	19.4
3 22	11 28.50	+ 0 39.1	1.487	2.475	3.8	19.5
4 1	11 17.44	+ 0 37.7	1.493	2.449	8.7	19.7
4 11	11 8.15	+ 0 30.7	1.525	2.423	13.3	19.9
4 21	11 1.47	+ 0 15.1	1.578	2.397	17.2	20.1

55047 2001 QX_{65} 3 14.3 147°.75 1°.1/15.7 18

2 11	11 57.15	− 4 16.2	2.634	3.451	10.5	20.1
2 21	11 52.32	− 3 43.2	2.557	3.458	7.8	19.9
3 2	11 46.13	− 2 58.3	2.505	3.465	4.8	19.7
3 12	11 39.14	− 2 4.9	2.482	3.472	1.7	19.5
3 22	11 32.00	− 1 7.1	2.489	3.478	2.4	19.6
4 1	11 25.37	− 0 9.9	2.526	3.484	5.5	19.8
4 11	11 19.85	+ 0 42.0	2.592	3.489	8.5	20.0
4 21	11 15.84	+ 1 25.3	2.681	3.494	11.1	20.1

324058 2005 VH_{59} 3 14.3 38°.31 12°.4/ 2.4 18

2 11	12 9.42	+36 19.1	1.742	2.571	14.5	20.0
2 21	12 1.91	+37 35.6	1.707	2.574	13.0	19.9
3 2	11 51.76	+38 29.4	1.695	2.576	12.4	19.8
3 12	11 40.19	+38 51.1	1.705	2.579	13.0	19.9
3 22	11 28.66	+38 35.7	1.739	2.582	14.4	20.0
4 1	11 18.59	+37 43.8	1.793	2.585	16.3	20.1
4 11	11 11.00	+36 20.7	1.866	2.588	18.2	20.3
4 21	11 6.37	+34 33.4	1.955	2.591	19.9	20.4

94741 2001 XB_{78} 3 14.3 245°.52 4°.3/10.5 18

2 11	12 2.39	+ 9 48.8	1.598	2.464	13.7	20.0
2 21	11 57.02	+11 1.5	1.522	2.453	9.9	19.7
3 2	11 49.19	+12 21.1	1.470	2.441	6.0	19.4
3 12	11 39.77	+13 38.3	1.445	2.428	4.3	19.3
3 22	11 29.87	+14 43.5	1.447	2.416	7.2	19.4
4 1	11 20.80	+15 29.1	1.476	2.402	11.4	19.7
4 11	11 13.64	+15 51.1	1.527	2.389	15.4	19.9
4 21	11 9.09	+15 49.2	1.597	2.375	18.8	20.1

158251 2001 TT_{74} 3 14.3 101°.68 0°.4/14.7 18

2 11	11 59.81	− 1 53.8	1.881	2.718	13.3	20.9
2 21	11 54.60	− 1 8.8	1.819	2.733	9.7	20.7
3 2	11 47.54	− 0 9.6	1.780	2.748	5.6	20.5
3 12	11 39.42	+ 0 58.3	1.770	2.762	1.3	20.2
3 22	11 31.16	+ 2 8.0	1.788	2.777	3.2	20.4
4 1	11 23.71	+ 3 12.7	1.835	2.791	7.4	20.7
4 11	11 17.86	+ 4 6.5	1.908	2.804	11.1	20.9
4 21	11 14.08	+ 4 45.7	2.003	2.818	14.2	21.2

14257 2000 AR_{97} 3 14.3 96°.19 3°.5/11.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.39	+ 8 9.8	1.388	2.254	15.4	16.1
2 21	11 59.08	+ 9 4.9	1.339	2.270	11.0	15.9
3 2	11 50.22	+10 6.1	1.313	2.286	6.3	15.7
3 12	11 39.93	+11 4.2	1.313	2.301	3.5	15.5
3 22	11 29.54	+11 50.4	1.340	2.316	6.5	15.8
4 1	11 20.43	+12 18.3	1.393	2.331	11.0	16.0
4 11	11 13.62	+12 25.3	1.468	2.345	15.0	16.3
4 21	11 9.63	+12 12.0	1.563	2.359	18.4	16.6

433722 2014 YO_{32} 3 14.3 156°.49 5°.6/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.73	+15 52.4	1.871	2.738	12.0	20.3
2 21	11 55.39	+17 5.3	1.812	2.739	8.9	20.1
3 2	11 48.06	+18 16.8	1.779	2.740	6.3	19.9
3 12	11 39.53	+19 18.5	1.773	2.741	5.8	19.9
3 22	11 30.80	+20 3.2	1.794	2.742	7.9	20.0
4 1	11 22.90	+20 26.4	1.842	2.743	11.0	20.2
4 11	11 16.70	+20 26.8	1.912	2.744	14.0	20.4
4 21	11 12.70	+20 5.8	2.001	2.744	16.6	20.6

192646 1999 RZ_{67} 3 14.3 223°.32 0°.5/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.87	− 1 55.9	2.409	3.235	11.1	21.6
2 21	11 53.77	− 1 18.3	2.316	3.225	8.2	21.4
3 2	11 47.07	− 0 28.5	2.249	3.214	4.8	21.2
3 12	11 39.35	+ 0 29.6	2.211	3.203	1.2	20.9
3 22	11 31.33	+ 1 31.2	2.203	3.191	2.8	21.0
4 1	11 23.79	+ 2 30.7	2.225	3.179	6.4	21.2
4 11	11 17.45	+ 3 23.0	2.274	3.166	9.8	21.4
4 21	11 12.81	+ 4 4.3	2.347	3.152	12.7	21.6

118718 2000 QT_{49} 3 14.3 122°.30 0°.8/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.04	+ 1 58.1	1.968	2.813	12.4	20.2
2 21	11 54.74	+ 2 41.5	1.902	2.823	8.9	20.0
3 2	11 47.63	+ 3 35.3	1.861	2.832	5.0	19.7
3 12	11 39.45	+ 4 33.9	1.847	2.840	1.0	19.5
3 22	11 31.09	+ 5 30.9	1.863	2.849	3.7	19.7
4 1	11 23.49	+ 6 20.4	1.907	2.857	7.7	19.9
4 11	11 17.42	+ 6 57.6	1.977	2.864	11.2	20.2
4 21	11 13.38	+ 7 20.3	2.069	2.872	14.2	20.4

208464 2001 UO_{44} 3 14.3 162°.03 0°.9/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.88	+ 3 39.2	2.835	3.673	9.2	21.5
2 21	11 52.75	+ 4 16.7	2.760	3.678	6.6	21.3
3 2	11 46.35	+ 5 0.2	2.713	3.683	3.6	21.1
3 12	11 39.20	+ 5 46.1	2.696	3.688	0.9	20.9
3 22	11 31.91	+ 6 30.1	2.709	3.692	3.0	21.1
4 1	11 25.10	+ 7 8.4	2.753	3.696	5.9	21.3
4 11	11 19.35	+ 7 38.0	2.824	3.699	8.7	21.5
4 21	11 15.02	+ 7 56.9	2.918	3.702	11.0	21.7

326451 2001 VE_{107} 3 14.3 184°.33 1°.5/12.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.53	+ 5 22.7	2.373	3.216	10.7	21.9
2 21	11 55.61	+ 6 3.5	2.296	3.216	7.6	21.7
3 2	11 48.07	+ 6 50.6	2.245	3.216	4.2	21.5
3 12	11 39.54	+ 7 39.1	2.224	3.215	1.6	21.3
3 22	11 30.79	+ 8 23.8	2.233	3.213	3.9	21.4
4 1	11 22.64	+ 9 0.3	2.272	3.211	7.3	21.6
4 11	11 15.80	+ 9 25.0	2.338	3.208	10.4	21.8
4 21	11 10.77	+ 9 36.4	2.426	3.204	13.1	22.0

372427 2009 ST_{35} 3 14.3 192°.81 1°.2/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.82	+ 4 43.7	2.237	3.079	11.3	21.0
2 21	11 56.64	+ 5 8.9	2.158	3.077	8.1	20.8
3 2	11 48.69	+ 5 40.6	2.104	3.075	4.5	20.5
3 12	11 39.66	+ 6 14.4	2.080	3.072	1.3	20.3
3 22	11 30.38	+ 6 45.5	2.086	3.069	3.7	20.5
4 1	11 21.74	+ 7 9.6	2.121	3.065	7.4	20.7
4 11	11 14.51	+ 7 23.2	2.183	3.061	10.7	20.9
4 21	11 9.21	+ 7 24.9	2.268	3.056	13.6	21.1

302173 2001 TS_{59} 3 14.3 206°.29 1°.4/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.44	+ 4 1.2	1.874	2.719	13.0	22.1
2 21	11 58.16	+ 4 42.2	1.793	2.714	9.3	21.9
3 2	11 49.71	+ 5 32.9	1.736	2.707	5.2	21.6
3 12	11 39.87	+ 6 27.4	1.708	2.700	1.5	21.3
3 22	11 29.66	+ 7 18.9	1.709	2.692	4.4	21.5
4 1	11 20.17	+ 8 1.1	1.739	2.683	8.7	21.7
4 11	11 12.39	+ 8 29.4	1.794	2.673	12.6	22.0
4 21	11 6.91	+ 8 41.7	1.871	2.662	16.0	22.2

318733 2005 RC_{29} 3 14.3 176°.23 3°.1/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.01	+ 7 28.4	1.735	2.591	13.3	21.7
2 21	11 57.89	+ 8 37.5	1.667	2.594	9.5	21.5
3 2	11 49.54	+ 9 54.2	1.625	2.596	5.5	21.3
3 12	11 39.83	+11 10.1	1.611	2.598	3.2	21.1
3 22	11 29.84	+12 16.7	1.625	2.599	5.9	21.3
4 1	11 20.74	+13 7.0	1.667	2.598	10.0	21.5
4 11	11 13.48	+13 37.3	1.734	2.597	13.8	21.8
4 21	11 8.65	+13 46.7	1.820	2.595	16.9	22.0

42681 1998 HV_{143} 3 14.3 151°.33 2°.7/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.32	+ 8 3.0	1.801	2.656	12.9	18.9
2 21	11 57.98	+ 8 44.1	1.736	2.662	9.3	18.6
3 2	11 49.53	+ 9 30.3	1.697	2.668	5.3	18.4
3 12	11 39.82	+10 14.9	1.685	2.674	2.7	18.3
3 22	11 29.92	+10 51.4	1.702	2.679	5.4	18.4
4 1	11 20.91	+11 14.7	1.747	2.683	9.3	18.7
4 11	11 13.72	+11 21.8	1.817	2.687	12.9	18.9
4 21	11 8.88	+11 12.5	1.907	2.691	16.0	19.1

311812 2006 UT_{203} 3 14.3 199°.67 6°.1/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 56.56	−23 19.0	2.775	3.480	12.8	21.1
2 21	11 52.02	−23 15.5	2.677	3.477	10.9	20.9
3 2	11 46.04	−22 50.4	2.600	3.475	8.9	20.8
3 12	11 39.16	−22 3.7	2.548	3.472	7.1	20.7
3 22	11 32.04	−20 57.4	2.524	3.468	6.2	20.6
4 1	11 25.38	−19 35.9	2.528	3.464	6.7	20.6
4 11	11 19.83	−18 5.4	2.559	3.460	8.4	20.7
4 21	11 15.83	−16 32.7	2.617	3.456	10.5	20.9

210861 2001 RF_{46} 3 14.3 100°.10 0°.7/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.36	+ 3 57.7	2.504	3.340	10.4	20.7
2 21	11 55.98	+ 4 10.1	2.444	3.360	7.4	20.5
3 2	11 48.16	+ 4 28.0	2.411	3.380	4.1	20.3
3 12	11 39.54	+ 4 47.9	2.408	3.400	0.9	20.1
3 22	11 30.88	+ 5 6.1	2.435	3.420	3.0	20.3
4 1	11 22.90	+ 5 19.4	2.492	3.439	6.3	20.5
4 11	11 16.24	+ 5 25.3	2.577	3.458	9.2	20.8
4 21	11 11.28	+ 5 22.3	2.686	3.476	11.7	21.0

368748 2005 UJ_{446} 3 14.3 187°.90 4°.7/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.01	−14 33.4	2.236	3.006	13.7	21.6
2 21	11 54.73	−14 30.6	2.146	3.006	11.0	21.4
3 2	11 47.67	−14 7.3	2.079	3.005	8.1	21.2
3 12	11 39.48	−13 24.4	2.039	3.003	5.5	21.1
3 22	11 30.99	−12 25.4	2.027	3.001	4.8	21.0
4 1	11 23.07	−11 15.7	2.043	2.999	6.8	21.1
4 11	11 16.53	−10 2.5	2.087	2.996	9.7	21.3
4 21	11 11.89	− 8 52.4	2.155	2.992	12.6	21.5

283590 2001 XD_{242} 3 14.3 182°.15 2°.8/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.27	− 9 57.5	2.775	3.562	10.8	21.3
2 21	11 52.42	− 9 45.3	2.686	3.563	8.5	21.1
3 2	11 46.22	− 9 18.9	2.621	3.563	5.8	20.9
3 12	11 39.20	− 8 40.0	2.585	3.563	3.4	20.8
3 22	11 31.97	− 7 52.0	2.579	3.562	3.1	20.7
4 1	11 25.19	− 6 59.0	2.603	3.561	5.3	20.9
4 11	11 19.46	− 6 5.8	2.654	3.560	8.0	21.0
4 21	11 15.20	− 5 16.9	2.731	3.558	10.5	21.2

125821 2001 XU_{170} 3 14.3 179°.86 2°.1/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.00	+ 5 4.4	1.699	2.554	13.6	20.6
2 21	11 57.20	+ 5 57.9	1.629	2.555	9.7	20.3
3 2	11 49.18	+ 7 0.9	1.583	2.556	5.4	20.1
3 12	11 39.78	+ 8 6.3	1.565	2.556	2.1	19.9
3 22	11 30.08	+ 9 6.2	1.576	2.556	5.1	20.1
4 1	11 21.24	+ 9 53.4	1.613	2.555	9.4	20.3
4 11	11 14.25	+10 23.5	1.676	2.554	13.4	20.5
4 21	11 9.67	+10 34.9	1.758	2.552	16.7	20.8

215497 2002 TN_{214} 3 14.3 227°.54 2°.9/11.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.71	+ 8 11.8	2.040	2.894	11.7	20.9
2 21	11 56.09	+ 9 10.6	1.957	2.883	8.4	20.6
3 2	11 48.50	+10 15.8	1.900	2.871	4.9	20.4
3 12	11 39.66	+11 20.5	1.872	2.859	2.9	20.2
3 22	11 30.45	+12 17.8	1.873	2.846	5.4	20.4
4 1	11 21.86	+13 1.8	1.903	2.832	9.1	20.6
4 11	11 14.78	+13 28.7	1.957	2.817	12.6	20.8
4 21	11 9.78	+13 37.4	2.032	2.802	15.6	20.9

65204 2002 DQ_{12} 3 14.3 251°.08 4°.0/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.20	+12 15.9	2.280	3.138	10.5	19.6
2 21	11 54.90	+13 24.3	2.193	3.118	7.6	19.4
3 2	11 47.80	+14 35.9	2.132	3.098	4.9	19.2
3 12	11 39.53	+15 43.8	2.100	3.077	4.1	19.1
3 22	11 30.89	+16 41.6	2.098	3.056	6.2	19.2
4 1	11 22.76	+17 23.7	2.124	3.034	9.3	19.4
4 11	11 15.94	+17 47.3	2.174	3.012	12.3	19.5
4 21	11 11.00	+17 51.8	2.246	2.989	15.0	19.7

29322 1994 PS_{16} 3 14.3 151°.63 0°.7/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.26	+ 0 32.0	1.799	2.641	13.6	20.7
2 21	11 56.51	+ 1 33.7	1.731	2.650	9.8	20.4
3 2	11 48.72	+ 2 49.0	1.688	2.659	5.5	20.2
3 12	11 39.70	+ 4 11.2	1.674	2.667	1.0	19.9
3 22	11 30.47	+ 5 32.2	1.689	2.674	4.0	20.1
4 1	11 22.08	+ 6 44.1	1.732	2.680	8.4	20.4
4 11	11 15.41	+ 7 41.0	1.801	2.686	12.2	20.7
4 21	11 11.01	+ 8 19.9	1.891	2.691	15.5	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
261925 2006 KW_{99}			3 14.3 284°.04		3°.5/11.6 18	
	h m	° ′			°	m
2 11	12 3.11	+ 8 43.9	1.484	2.351	14.5	20.4
2 21	11 57.70	+ 9 27.2	1.408	2.339	10.5	20.2
3 2	11 49.67	+10 17.1	1.355	2.327	6.1	19.9
3 12	11 39.92	+11 5.6	1.328	2.316	3.5	19.7
3 22	11 29.68	+11 44.3	1.327	2.304	6.5	19.8
4 1	11 20.33	+12 6.3	1.353	2.292	11.1	20.0
4 11	11 13.05	+12 8.1	1.401	2.280	15.5	20.3
4 21	11 8.54	+11 49.3	1.467	2.268	19.2	20.5
272962 2006 CE_{38}			3 14.3 310°.44		1°.6/12.5 17	
2 11	11 55.45	+ 1 53.8	1.763	2.621	13.0	20.3
2 21	11 51.79	+ 3 17.2	1.681	2.609	9.3	20.0
3 2	11 46.15	+ 4 56.1	1.624	2.598	5.2	19.8
3 12	11 39.23	+ 6 42.6	1.595	2.587	1.6	19.5
3 22	11 31.95	+ 8 27.2	1.595	2.577	4.8	19.7
4 1	11 25.31	+10 0.4	1.621	2.566	9.1	19.9
4 11	11 20.21	+11 15.0	1.673	2.556	13.1	20.1
4 21	11 17.24	+12 7.3	1.744	2.547	16.5	20.3
464511 2016 BO_{79}			3 14.3 260°.56		4°.6/ 9.9 16	
2 11	12 1.20	+11 10.6	1.661	2.529	13.2	21.8
2 21	11 56.10	+12 25.4	1.585	2.516	9.6	21.5
3 2	11 48.67	+13 45.6	1.534	2.504	6.0	21.3
3 12	11 39.72	+15 1.7	1.510	2.491	4.8	21.2
3 22	11 30.34	+16 4.7	1.513	2.477	7.5	21.3
4 1	11 21.73	+16 47.4	1.543	2.464	11.4	21.5
4 11	11 14.95	+17 6.2	1.595	2.450	15.2	21.7
4 21	11 10.65	+17 1.2	1.665	2.436	18.4	21.9
299805 2006 ST_{118}			3 14.3 237°.18		0°.3/14.0 17	
2 11	11 58.93	+ 1 45.3	2.513	3.349	10.4	21.1
2 21	11 53.75	+ 2 7.0	2.425	3.340	7.5	20.9
3 2	11 47.05	+ 2 36.8	2.363	3.332	4.3	20.7
3 12	11 39.40	+ 3 11.1	2.330	3.323	0.8	20.4
3 22	11 31.48	+ 3 45.9	2.327	3.314	2.9	20.5
4 1	11 24.06	+ 4 16.9	2.354	3.304	6.3	20.7
4 11	11 17.80	+ 4 40.4	2.407	3.295	9.5	20.9
4 21	11 13.17	+ 4 54.2	2.485	3.285	12.2	21.1
10591 Caverni			3 14.3 134°.04		2°.4/12.1 18	R
2 11	12 0.23	+ 6 16.4	1.790	2.649	12.8	18.4
2 21	11 55.11	+ 7 7.0	1.722	2.650	9.1	18.2
3 2	11 47.96	+ 8 5.2	1.679	2.651	5.1	18.0
3 12	11 39.58	+ 9 4.3	1.663	2.653	2.4	17.8
3 22	11 30.96	+ 9 57.0	1.675	2.654	5.1	18.0
4 1	11 23.12	+10 37.1	1.715	2.655	9.1	18.2
4 11	11 16.97	+11 0.8	1.778	2.656	12.8	18.4
4 21	11 13.04	+11 6.6	1.863	2.657	15.9	18.6
222823 2002 DP_{6}			3 14.3 152°.73		0°.7/14.9 17	
2 11	11 59.65	− 1 55.2	2.016	2.849	12.7	20.9
2 21	11 54.51	− 1 26.0	1.940	2.852	9.3	20.7
3 2	11 47.56	− 0 43.6	1.889	2.855	5.5	20.5
3 12	11 39.51	+ 0 7.8	1.866	2.858	1.4	20.2
3 22	11 31.21	+ 1 2.6	1.872	2.861	3.0	20.4
4 1	11 23.59	+ 1 54.8	1.906	2.863	7.1	20.6
4 11	11 17.45	+ 2 38.8	1.967	2.865	10.7	20.8
4 21	11 13.30	+ 3 11.1	2.050	2.867	13.9	21.0
413171 2002 QP_{86}			3 14.3 185°.21		0°.4/14.8 17	
2 11	12 1.19	− 1 39.2	2.143	2.971	12.2	22.9
2 21	11 55.56	− 1 1.8	2.062	2.972	9.0	22.6
3 2	11 48.15	− 0 11.3	2.006	2.971	5.2	22.4
3 12	11 39.62	+ 0 47.7	1.978	2.970	1.2	22.1
3 22	11 30.82	+ 1 49.6	1.980	2.969	3.0	22.3
4 1	11 22.66	+ 2 48.3	2.012	2.966	7.0	22.5
4 11	11 15.91	+ 3 38.3	2.071	2.963	10.6	22.7
4 21	11 11.11	+ 4 16.0	2.152	2.959	13.6	22.9
470550 2008 EV_{109}			3 14.3 197°.80		3°.7/18.3 18	
2 11	12 1.55	−10 50.0	2.750	3.526	11.2	21.5
2 21	11 55.57	−11 16.6	2.658	3.524	8.9	21.4
3 2	11 48.07	−11 30.2	2.590	3.522	6.4	21.2
3 12	11 39.61	−11 31.0	2.551	3.520	4.2	21.0
3 22	11 30.87	−11 20.8	2.542	3.518	3.9	21.0
4 1	11 22.58	−11 2.6	2.563	3.515	5.8	21.1
4 11	11 15.41	−10 40.2	2.612	3.512	8.3	21.3
4 21	11 9.84	−10 17.8	2.685	3.509	10.8	21.4
225810 2001 VG_{106}			3 14.3 171°.30		1°.4/12.8 18	
2 11	12 1.78	+ 4 59.3	2.388	3.229	10.7	21.9
2 21	11 55.79	+ 5 38.8	2.314	3.234	7.6	21.7
3 2	11 48.19	+ 6 24.7	2.267	3.237	4.2	21.5
3 12	11 39.63	+ 7 12.1	2.249	3.240	1.4	21.3
3 22	11 30.89	+ 7 56.1	2.262	3.242	3.7	21.5
4 1	11 22.76	+ 8 32.0	2.304	3.244	7.1	21.7
4 11	11 15.96	+ 8 56.7	2.373	3.245	10.2	21.9
4 21	11 10.93	+ 9 8.5	2.466	3.245	12.9	22.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
409940 2006 UJ_{88}			3 14.3 101°.55		0°.5/13.8 18	
	h m	° ′			°	m
2 11	12 3.18	+ 1 40.2	1.852	2.694	13.2	22.2
2 21	11 57.00	+ 2 13.9	1.796	2.715	9.5	22.0
3 2	11 48.92	+ 2 57.9	1.765	2.735	5.3	21.8
3 12	11 39.76	+ 3 46.7	1.762	2.755	1.0	21.5
3 22	11 30.53	+ 4 34.1	1.788	2.774	3.6	21.7
4 1	11 22.22	+ 5 14.3	1.843	2.793	7.8	22.0
4 11	11 15.64	+ 5 43.1	1.923	2.812	11.4	22.3
4 21	11 11.25	+ 5 58.2	2.025	2.830	14.4	22.5
109976 2001 SN_{53}			3 14.3 215°.45		0°.9/13.3 17	
2 11	11 59.99	+ 2 11.3	2.209	3.050	11.4	20.9
2 21	11 54.72	+ 3 2.1	2.123	3.042	8.2	20.7
3 2	11 47.69	+ 4 3.4	2.063	3.034	4.6	20.5
3 12	11 39.55	+ 5 9.9	2.032	3.024	1.0	20.2
3 22	11 31.11	+ 6 15.5	2.031	3.015	3.6	20.4
4 1	11 23.22	+ 7 14.2	2.059	3.004	7.4	20.6
4 11	11 16.66	+ 8 0.9	2.113	2.993	10.9	20.8
4 21	11 11.98	+ 8 33.1	2.190	2.982	13.9	21.0
441833 2009 TU_{19}			3 14.3 158°.62		1°.1/12.8 17	
2 11	11 55.26	+ 5 4.6	3.072	3.916	8.4	21.7
2 21	11 50.85	+ 5 36.8	2.995	3.917	6.0	21.5
3 2	11 45.30	+ 6 13.6	2.946	3.917	3.3	21.3
3 12	11 39.08	+ 6 51.8	2.926	3.918	1.1	21.2
3 22	11 32.72	+ 7 27.7	2.937	3.919	2.9	21.3
4 1	11 26.78	+ 7 58.0	2.978	3.919	5.6	21.5
4 11	11 21.75	+ 8 20.0	3.045	3.920	8.1	21.7
4 21	11 18.00	+ 8 32.3	3.136	3.920	10.3	21.8
29090 1981 EY_{3}			3 14.3 51°.56		3°.7/18.4 18	
2 11	11 57.60	−11 15.5	1.948	2.749	14.3	18.3
2 21	11 52.99	−11 0.4	1.888	2.771	11.2	18.1
3 2	11 46.66	−10 25.1	1.850	2.793	7.7	17.9
3 12	11 39.34	− 9 32.3	1.839	2.815	4.6	17.8
3 22	11 31.92	− 8 27.2	1.855	2.838	4.0	17.8
4 1	11 25.27	− 7 16.8	1.899	2.861	6.6	18.0
4 11	11 20.15	− 6 8.2	1.969	2.884	9.8	18.2
4 21	11 16.97	− 5 7.3	2.063	2.907	12.8	18.4
106366 2000 VM_{9}			3 14.3 43°.04		0°.1/14.3 18	
2 11	12 1.04	− 0 6.6	1.214	2.077	17.3	19.7
2 21	11 56.23	+ 0 24.0	1.164	2.091	12.6	19.5
3 2	11 48.76	+ 1 11.8	1.135	2.107	7.2	19.2
3 12	11 39.76	+ 2 9.5	1.130	2.123	1.4	18.9
3 22	11 30.61	+ 3 7.8	1.151	2.140	4.4	19.1
4 1	11 22.73	+ 3 57.8	1.196	2.157	9.8	19.5
4 11	11 17.20	+ 4 32.6	1.264	2.175	14.5	19.8
4 21	11 14.53	+ 4 49.1	1.351	2.193	18.4	20.1
6025 Naotosato			3 14.3 89°.81		4°.2/18.9 18	
2 11	11 58.76	−12 29.7	2.231	3.015	13.3	16.4
2 21	11 53.78	−12 35.8	2.152	3.022	10.6	16.2
3 2	11 47.13	−12 23.6	2.096	3.029	7.6	16.1
3 12	11 39.45	−11 54.3	2.066	3.035	5.0	15.9
3 22	11 31.54	−11 11.2	2.065	3.042	4.4	15.9
4 1	11 24.23	−10 19.3	2.091	3.049	6.5	16.0
4 11	11 18.28	− 9 24.7	2.145	3.056	9.4	16.2
4 21	11 14.16	− 8 33.2	2.223	3.062	12.1	16.4
94434 2001 TN_{44}			3 14.3 116°.38		0°.1/14.3 18	
2 11	12 4.75	+ 0 57.1	1.530	2.377	15.2	19.2
2 21	11 58.60	+ 1 15.7	1.465	2.386	11.1	19.0
3 2	11 50.04	+ 1 47.1	1.424	2.394	6.3	18.7
3 12	11 40.01	+ 2 26.0	1.409	2.402	1.2	18.4
3 22	11 29.73	+ 3 5.8	1.422	2.410	4.0	18.6
4 1	11 20.49	+ 3 39.8	1.462	2.417	8.9	18.9
4 11	11 13.32	+ 4 2.5	1.526	2.425	13.2	19.2
4 21	11 8.80	+ 4 11.1	1.611	2.432	16.8	19.5
155229 2005 VD_{118}			3 14.3 167°.48		1°.7/12.7 18	
2 11	12 3.28	+ 3 35.6	1.810	2.658	13.2	20.5
2 21	11 57.29	+ 4 39.4	1.741	2.664	9.5	20.3
3 2	11 49.21	+ 5 54.2	1.697	2.669	5.2	20.0
3 12	11 39.85	+ 7 12.5	1.681	2.673	1.7	19.8
3 22	11 30.24	+ 8 26.3	1.695	2.676	4.7	20.0
4 1	11 21.46	+ 9 28.3	1.737	2.678	8.9	20.2
4 11	11 14.42	+10 13.5	1.804	2.680	12.7	20.5
4 21	11 9.68	+10 39.9	1.892	2.680	15.9	20.7
297780 2001 XA_{231}			3 14.3 177°.22		0°.4/13.7 17	
2 11	11 57.91	+ 2 11.4	2.947	3.780	9.1	21.7
2 21	11 52.78	+ 2 43.1	2.867	3.782	6.5	21.6
3 2	11 46.42	+ 3 21.7	2.814	3.783	3.6	21.4
3 12	11 39.31	+ 4 3.5	2.791	3.784	0.7	21.1
3 22	11 32.04	+ 4 44.9	2.799	3.784	2.6	21.3
4 1	11 25.22	+ 5 22.1	2.837	3.784	5.6	21.5
4 11	11 19.39	+ 5 51.9	2.904	3.784	8.3	21.7
4 21	11 14.95	+ 6 12.4	2.994	3.783	10.6	21.8

129780 1999 JJ_{42} 3 14.3 251°.00 2°.9/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.26	+ 7 40.5	1.814	2.670	12.8	20.6
2 21	11 57.53	+ 8 34.4	1.725	2.652	9.3	20.3
3 2	11 49.51	+ 9 36.1	1.661	2.632	5.4	20.0
3 12	11 39.95	+10 38.5	1.625	2.613	3.0	19.8
3 22	11 29.86	+11 33.8	1.617	2.592	5.7	20.0
4 1	11 20.42	+12 15.3	1.637	2.571	9.9	20.2
4 11	11 12.66	+12 38.4	1.681	2.549	13.9	20.4
4 21	11 7.28	+12 41.9	1.746	2.527	17.3	20.5

361591 2007 RX_{247} 3 14.3 171°.38 2°.3/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.25	− 6 58.5	1.831	2.648	14.4	21.4
2 21	11 55.87	− 6 28.0	1.752	2.651	11.0	21.2
3 2	11 48.44	− 5 38.0	1.697	2.654	7.0	21.0
3 12	11 39.72	− 4 32.2	1.669	2.656	3.1	20.7
3 22	11 30.70	− 3 16.9	1.669	2.657	3.4	20.8
4 1	11 22.42	− 1 59.9	1.697	2.658	7.4	21.0
4 11	11 15.81	− 0 49.0	1.752	2.658	11.4	21.2
4 21	11 11.42	+ 0 9.9	1.829	2.658	14.8	21.5

165820 2001 RF_{111} 3 14.3 211°.05 1°.0/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.74	+ 3 7.4	2.320	3.165	10.8	20.7
2 21	11 52.98	+ 3 49.7	2.241	3.163	7.7	20.5
3 2	11 46.65	+ 4 40.3	2.189	3.160	4.3	20.3
3 12	11 39.37	+ 5 34.5	2.166	3.158	1.1	20.0
3 22	11 31.86	+ 6 27.1	2.172	3.155	3.5	20.2
4 1	11 24.91	+ 7 12.9	2.206	3.153	7.0	20.4
4 11	11 19.21	+ 7 47.8	2.268	3.150	10.2	20.6
4 21	11 15.21	+ 8 9.7	2.351	3.147	13.0	20.8

175484 2006 RV_{30} 3 14.3 176°.76 2°.7/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.02	− 9 2.1	2.782	3.571	10.8	20.9
2 21	11 53.70	− 9 1.9	2.694	3.573	8.4	20.7
3 2	11 46.99	− 8 48.6	2.632	3.574	5.7	20.5
3 12	11 39.44	− 8 23.7	2.597	3.575	3.3	20.4
3 22	11 31.66	− 7 50.1	2.593	3.576	3.1	20.3
4 1	11 24.35	− 7 11.4	2.618	3.576	5.4	20.5
4 11	11 18.11	− 6 32.0	2.672	3.575	8.0	20.7
4 21	11 13.38	− 5 56.0	2.751	3.575	10.5	20.8

244619 2003 AP_{88} 3 14.3 119°.63 2°.1/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.02	+ 4 57.6	2.180	3.026	11.3	21.0
2 21	11 55.25	+ 6 17.6	2.126	3.049	8.0	20.8
3 2	11 47.87	+ 7 44.8	2.099	3.071	4.4	20.6
3 12	11 39.59	+ 9 12.1	2.102	3.092	2.1	20.5
3 22	11 31.25	+10 32.5	2.136	3.112	4.5	20.7
4 1	11 23.66	+11 40.0	2.199	3.131	7.9	20.9
4 11	11 17.52	+12 30.9	2.288	3.150	10.9	21.2
4 21	11 13.25	+13 3.9	2.400	3.168	13.5	21.4

248654 2006 HE_{64} 3 14.3 246°.66 5°.8/ 9.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.09	+15 55.7	1.792	2.653	12.7	21.2
2 21	11 58.86	+17 0.5	1.714	2.638	9.5	21.0
3 2	11 50.26	+18 4.9	1.661	2.622	6.7	20.8
3 12	11 40.10	+18 59.9	1.636	2.605	6.0	20.7
3 22	11 29.49	+19 37.5	1.638	2.588	8.3	20.8
4 1	11 19.67	+19 52.5	1.666	2.571	11.8	21.0
4 11	11 11.69	+19 43.4	1.718	2.552	15.2	21.2
4 21	11 6.23	+19 11.7	1.788	2.534	18.2	21.3

11661 1997 FK_{4} 3 14.3 90°.52 0°.9/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.75	+ 3 39.9	1.957	2.802	12.5	17.9
2 21	11 56.67	+ 3 59.0	1.896	2.817	9.0	17.7
3 2	11 48.75	+ 4 25.8	1.861	2.832	5.0	17.5
3 12	11 39.77	+ 4 55.5	1.853	2.846	1.1	17.3
3 22	11 30.68	+ 5 23.0	1.875	2.860	3.7	17.5
4 1	11 22.43	+ 5 43.9	1.925	2.874	7.6	17.8
4 11	11 15.81	+ 5 54.7	2.001	2.888	11.1	18.0
4 21	11 11.29	+ 5 53.8	2.099	2.902	14.1	18.2

24993 1998 MC_{34} 3 14.3 280°.42 2°.9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.73	+ 6 5.1	1.331	2.200	15.7	18.8
2 21	11 57.68	+ 6 54.3	1.256	2.189	11.4	18.5
3 2	11 49.80	+ 7 54.8	1.204	2.178	6.5	18.2
3 12	11 40.03	+ 8 58.0	1.176	2.167	2.9	17.9
3 22	11 29.71	+ 9 54.1	1.175	2.156	6.3	18.1
4 1	11 20.33	+10 34.2	1.199	2.145	11.5	18.4
4 11	11 13.21	+10 52.9	1.244	2.134	16.3	18.6
4 21	11 9.07	+10 48.9	1.308	2.123	20.3	18.8

410377 2007 VK_{216} 3 14.3 207°.82 1°.5/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.39	− 4 34.2	2.130	2.946	12.7	22.4
2 21	11 56.54	− 4 7.4	2.039	2.940	9.6	22.2
3 2	11 48.79	− 3 25.3	1.972	2.932	5.9	22.0
3 12	11 39.81	− 2 31.3	1.934	2.923	2.2	21.7
3 22	11 30.46	− 1 30.4	1.925	2.914	3.0	21.8
4 1	11 21.68	− 0 29.1	1.946	2.904	6.9	22.0
4 11	11 14.35	+ 0 26.7	1.995	2.892	10.6	22.2
4 21	11 9.02	+ 1 12.1	2.066	2.880	13.9	22.4

464936 2005 UG_{253} 3 14.3 143°.30 2°.7/11.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 2.69	+ 8 58.4	2.201	3.051	11.1	21.8
2 21	11 56.50	+ 9 41.6	2.138	3.062	7.9	21.6
3 2	11 48.62	+10 28.1	2.102	3.072	4.6	21.4
3 12	11 39.75	+11 12.2	2.094	3.081	2.7	21.3
3 22	11 30.75	+11 48.7	2.117	3.090	4.8	21.5
4 1	11 22.50	+12 13.2	2.168	3.098	8.1	21.7
4 11	11 15.73	+12 23.5	2.246	3.106	11.2	21.9
4 21	11 10.89	+12 19.2	2.345	3.113	13.8	22.1

499008 2009 CV_{38} 3 14.3 186°.56 0°.6/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.24	− 0 47.0	2.435	3.262	11.0	21.6
2 21	11 54.71	− 0 36.8	2.353	3.262	8.1	21.4
3 2	11 47.62	− 0 17.2	2.296	3.261	4.7	21.2
3 12	11 39.57	+ 0 9.0	2.269	3.261	1.3	20.9
3 22	11 31.30	+ 0 37.8	2.271	3.260	2.6	21.0
4 1	11 23.57	+ 1 5.3	2.303	3.259	6.1	21.3
4 11	11 17.08	+ 1 27.5	2.363	3.257	9.3	21.5
4 21	11 12.30	+ 1 41.8	2.446	3.255	12.1	21.6

523528 2017 OR_{64} 3 14.3 93°.51 0°.4/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.51	− 1 5.4	2.012	2.850	12.5	21.4
2 21	11 53.72	− 0 33.5	1.936	2.852	9.1	21.2
3 2	11 47.14	+ 0 11.2	1.886	2.853	5.3	21.0
3 12	11 39.49	+ 1 4.0	1.863	2.855	1.2	20.7
3 22	11 31.59	+ 1 59.3	1.869	2.857	3.1	20.8
4 1	11 24.35	+ 2 51.1	1.903	2.859	7.1	21.1
4 11	11 18.56	+ 3 33.9	1.963	2.861	10.8	21.3
4 21	11 14.72	+ 4 4.4	2.045	2.863	13.9	21.5

390415 2013 YO_{30} 3 14.3 93°.75 4°.4/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 56.27	+13 10.5	2.281	3.146	10.2	20.4
2 21	11 51.93	+14 47.7	2.225	3.154	7.4	20.3
3 2	11 46.05	+16 26.2	2.197	3.161	5.0	20.1
3 12	11 39.27	+17 58.2	2.197	3.168	4.6	20.1
3 22	11 32.33	+19 16.8	2.227	3.175	6.6	20.2
4 1	11 26.01	+20 16.9	2.285	3.183	9.3	20.4
4 11	11 20.96	+20 56.1	2.366	3.190	11.9	20.6
4 21	11 17.63	+21 14.5	2.467	3.197	14.1	20.8

187870 2000 QH_{62} 3 14.3 215°.08 3°.0/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.44	+ 8 56.9	2.322	3.176	10.4	20.9
2 21	11 54.27	+10 9.8	2.242	3.168	7.5	20.7
3 2	11 47.44	+11 28.2	2.189	3.159	4.4	20.5
3 12	11 39.56	+12 45.3	2.166	3.150	3.1	20.4
3 22	11 31.40	+13 54.7	2.173	3.140	5.3	20.5
4 1	11 23.78	+14 50.7	2.209	3.130	8.5	20.7
4 11	11 17.44	+15 29.7	2.270	3.119	11.5	20.9
4 21	11 12.89	+15 50.7	2.352	3.107	14.1	21.0

87063 2000 KO_{53} 3 14.3 199°.87 5°.2/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.37	−16 11.0	2.307	3.065	13.6	19.2
2 21	11 55.03	−16 13.2	2.213	3.062	11.2	19.0
3 2	11 47.91	−15 54.6	2.141	3.058	8.4	18.9
3 12	11 39.66	−15 15.6	2.095	3.053	6.0	18.7
3 22	11 31.06	−14 19.0	2.078	3.048	5.2	18.6
4 1	11 23.00	−13 10.1	2.089	3.042	6.9	18.7
4 11	11 16.27	−11 55.8	2.128	3.035	9.6	18.9
4 21	11 11.42	−10 42.9	2.191	3.028	12.4	19.0

389959 2012 TV_{189} 3 14.3 61°.24 1°.0/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.44	− 2 34.5	2.148	2.978	12.1	21.3
2 21	11 53.52	− 2 17.2	2.078	2.987	8.9	21.1
3 2	11 46.97	− 1 47.7	2.033	2.997	5.4	20.9
3 12	11 39.46	− 1 9.5	2.016	3.007	1.7	20.6
3 22	11 31.78	− 0 27.3	2.028	3.018	2.8	20.7
4 1	11 24.77	+ 0 13.7	2.069	3.028	6.4	21.0
4 11	11 19.12	+ 0 48.8	2.136	3.038	9.8	21.2
4 21	11 15.30	+ 1 14.7	2.226	3.049	12.7	21.4

188010 2001 TR_{83} 3 14.3 349°.52 2°.6/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.39	− 4 20.4	1.483	2.322	16.1	19.3
2 21	11 56.43	− 4 35.3	1.407	2.318	12.2	19.0
3 2	11 48.97	− 4 32.9	1.353	2.315	7.8	18.7
3 12	11 39.88	− 4 15.6	1.324	2.312	3.5	18.5
3 22	11 30.35	− 3 48.0	1.321	2.310	4.0	18.5
4 1	11 21.69	− 3 16.6	1.344	2.308	8.6	18.7
4 11	11 15.02	− 2 48.3	1.391	2.307	13.0	19.0
4 21	11 11.02	− 2 28.6	1.458	2.306	16.9	19.2

371066 2005 UG_{261} 3 14.3 199°.25 4°.5/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.42	−15 16.8	2.426	3.188	12.9	21.5
2 21	11 54.25	−15 3.1	2.330	3.184	10.5	21.3
3 2	11 47.43	−14 29.3	2.257	3.180	7.8	21.1
3 12	11 39.57	−13 36.4	2.211	3.175	5.3	21.0
3 22	11 31.40	−12 27.8	2.195	3.169	4.5	20.9
4 1	11 23.75	−11 9.0	2.207	3.163	6.4	21.0
4 11	11 17.34	− 9 46.9	2.248	3.156	9.1	21.2
4 21	11 12.69	− 8 28.2	2.313	3.148	11.9	21.3

482128 2010 RY_1 3 14.3 157°.30 11°.0/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 12.16	−22 49.8	1.537	2.268	20.5	21.3
2 21	12 4.54	−24 13.2	1.462	2.277	17.6	21.1
3 2	11 53.76	−25 6.1	1.405	2.285	14.6	21.0
3 12	11 40.83	−25 23.0	1.371	2.292	12.1	20.8
3 22	11 27.22	−25 2.7	1.361	2.298	11.0	20.8
4 1	11 14.62	−24 10.3	1.376	2.303	12.1	20.8
4 11	11 4.48	−22 56.6	1.415	2.307	14.6	21.0
4 21	10 57.66	−21 34.3	1.475	2.310	17.5	21.2

261212 2005 TY_{194} 3 14.3 186°.30 4°.8/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.14	+13 31.3	1.882	2.747	12.0	21.0
2 21	11 55.75	+14 41.5	1.819	2.747	8.8	20.8
3 2	11 48.35	+15 52.7	1.781	2.747	5.8	20.6
3 12	11 39.74	+16 56.7	1.771	2.746	5.0	20.6
3 22	11 30.91	+17 46.3	1.789	2.746	7.2	20.7
4 1	11 22.87	+18 16.3	1.834	2.745	10.5	20.9
4 11	11 16.49	+18 24.7	1.901	2.744	13.7	21.1
4 21	11 12.31	+18 12.3	1.989	2.742	16.4	21.3

224922 2007 DA_{36} 3 14.3 32°.05 0°.3/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.11	− 0 18.3	1.606	2.455	14.6	20.3
2 21	11 55.21	+ 0 4.1	1.539	2.459	10.6	20.1
3 2	11 48.13	+ 0 40.5	1.495	2.464	6.1	19.8
3 12	11 39.71	+ 1 25.8	1.477	2.470	1.3	19.5
3 22	11 31.03	+ 2 13.3	1.486	2.475	3.7	19.7
4 1	11 23.23	+ 2 56.3	1.522	2.481	8.3	20.0
4 11	11 17.25	+ 3 28.8	1.583	2.487	12.5	20.2
4 21	11 13.67	+ 3 47.3	1.665	2.494	16.0	20.5

140784 2001 UN_{139} 3 14.3 310°.75 2°.5/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 55.32	− 8 29.1	2.068	2.882	13.1	19.7
2 21	11 51.51	− 7 53.8	1.976	2.871	10.1	19.5
3 2	11 45.96	− 6 59.1	1.908	2.861	6.7	19.3
3 12	11 39.30	− 5 48.0	1.866	2.851	3.3	19.1
3 22	11 32.31	− 4 26.2	1.853	2.842	3.2	19.0
4 1	11 25.86	− 3 0.7	1.869	2.832	6.6	19.2
4 11	11 20.74	− 1 39.2	1.911	2.823	10.3	19.4
4 21	11 17.47	− 0 27.9	1.976	2.814	13.5	19.6

419058 2009 RS_{74} 3 14.3 96°.84 0°.0/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.26	+ 0 49.9	1.879	2.719	13.1	20.8
2 21	11 56.44	+ 1 9.6	1.815	2.732	9.5	20.6
3 2	11 48.69	+ 1 40.0	1.776	2.745	5.4	20.4
3 12	11 39.82	+ 2 16.6	1.764	2.757	1.0	20.1
3 22	11 30.79	+ 2 53.9	1.781	2.769	3.4	20.3
4 1	11 22.60	+ 3 26.5	1.826	2.781	7.5	20.6
4 11	11 16.07	+ 3 49.9	1.898	2.793	11.2	20.8
4 21	11 11.70	+ 4 1.6	1.991	2.804	14.4	21.0

377128 2003 FV_{93} 3 14.3 280°.33 7°.8/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.78	+22 27.1	1.900	2.760	12.1	20.3
2 21	11 57.93	+23 41.7	1.822	2.736	9.7	20.1
3 2	11 49.76	+24 50.4	1.770	2.713	8.0	20.0
3 12	11 40.06	+25 43.8	1.744	2.689	8.1	19.9
3 22	11 29.90	+26 14.2	1.745	2.665	10.2	20.0
4 1	11 20.47	+26 17.3	1.770	2.640	13.0	20.1
4 11	11 12.82	+25 52.7	1.817	2.616	16.0	20.3
4 21	11 7.62	+25 3.3	1.882	2.591	18.6	20.4

473060 2015 HB_{91} 3 14.3 325°.39 1°.2/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.29	+ 3 43.5	2.014	2.867	11.8	21.1
2 21	11 52.91	+ 4 22.3	1.934	2.859	8.5	20.9
3 2	11 46.75	+ 5 10.2	1.879	2.852	4.7	20.7
3 12	11 39.47	+ 6 1.9	1.852	2.844	1.3	20.4
3 22	11 31.90	+ 6 51.6	1.853	2.837	3.9	20.6
4 1	11 24.93	+ 7 33.3	1.883	2.831	7.8	20.8
4 11	11 19.37	+ 8 2.8	1.937	2.824	11.4	21.0
4 21	11 15.75	+ 8 17.5	2.013	2.818	14.5	21.2

252375 2001 SA_{279} 3 14.3 83°.96 4°.5/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.74	+14 4.3	1.795	2.652	12.9	19.8
2 21	12 0.26	+14 38.0	1.752	2.676	9.4	19.7
3 2	11 50.75	+15 9.5	1.735	2.700	6.0	19.5
3 12	11 40.20	+15 32.1	1.746	2.724	4.5	19.5
3 22	11 29.72	+15 40.7	1.785	2.748	6.6	19.7
4 1	11 20.41	+15 32.6	1.852	2.771	9.9	19.9
4 11	11 13.08	+15 7.7	1.943	2.794	13.0	20.1
4 21	11 8.17	+14 27.9	2.055	2.817	15.7	20.4

426972 2013 YO_{124} 3 14.3 340°.14 4°.4/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 56.77	+12 39.9	1.971	2.841	11.3	20.5
2 21	11 52.57	+13 48.9	1.904	2.835	8.2	20.3
3 2	11 46.55	+15 0.1	1.862	2.829	5.4	20.1
3 12	11 39.43	+16 5.8	1.847	2.824	4.5	20.1
3 22	11 32.06	+16 59.0	1.860	2.819	6.8	20.2
4 1	11 25.36	+17 34.5	1.900	2.815	9.9	20.4
4 11	11 20.12	+17 49.6	1.962	2.811	13.0	20.6
4 21	11 16.86	+17 44.5	2.045	2.807	15.7	20.8

421326 2013 TE_{71} 3 14.3 53°.60 7°.0/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 59.97	−18 14.3	1.895	2.656	16.1	20.6
2 21	11 55.05	−18 42.9	1.815	2.659	13.4	20.4
3 2	11 48.05	−18 46.8	1.755	2.663	10.5	20.2
3 12	11 39.73	−18 25.4	1.720	2.667	8.0	20.1
3 22	11 31.06	−17 41.0	1.710	2.672	7.0	20.0
4 1	11 23.08	−16 39.0	1.727	2.676	8.3	20.1
4 11	11 16.75	−15 27.7	1.769	2.680	11.0	20.3
4 21	11 12.64	−14 15.5	1.834	2.685	13.8	20.5

177340 2003 YO_{120} 3 14.3 80°.16 1°.3/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.36	− 1 54.7	1.581	2.419	15.3	20.3
2 21	11 58.26	− 1 53.3	1.519	2.432	11.3	20.0
3 2	11 49.84	− 1 37.2	1.480	2.445	6.8	19.8
3 12	11 40.06	− 1 10.5	1.467	2.458	2.1	19.5
3 22	11 30.09	− 0 38.6	1.482	2.472	3.6	19.7
4 1	11 21.14	− 0 7.7	1.525	2.485	8.2	20.0
4 11	11 14.19	+ 0 16.3	1.592	2.498	12.3	20.2
4 21	11 9.79	+ 0 29.9	1.680	2.511	15.8	20.5

367703 2010 SU_6 3 14.3 274°.27 1°.2/15.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.85	− 4 14.3	1.611	2.450	15.1	21.4
2 21	11 54.50	− 3 32.6	1.526	2.439	11.3	21.2
3 2	11 47.87	− 2 30.3	1.463	2.429	6.8	20.9
3 12	11 39.72	− 1 12.3	1.427	2.418	2.2	20.5
3 22	11 31.10	+ 0 13.7	1.417	2.407	3.6	20.6
4 1	11 23.19	+ 1 38.3	1.435	2.396	8.5	20.9
4 11	11 17.03	+ 2 52.5	1.478	2.385	13.0	21.1
4 21	11 13.31	+ 3 50.2	1.541	2.375	16.9	21.3

57557 2001 TH_{39} 3 14.3 261°.13 0°.6/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.34	+ 2 33.5	1.570	2.419	14.8	19.3
2 21	11 59.36	+ 2 48.2	1.481	2.403	10.9	19.0
3 2	11 50.73	+ 3 14.4	1.416	2.387	6.2	18.7
3 12	11 40.29	+ 3 47.1	1.377	2.370	1.2	18.3
3 22	11 29.22	+ 4 19.9	1.366	2.353	4.4	18.5
4 1	11 18.89	+ 4 46.3	1.382	2.335	9.5	18.8
4 11	11 10.53	+ 5 0.8	1.422	2.318	14.2	19.0
4 21	11 4.92	+ 5 0.6	1.482	2.300	18.2	19.2

273034 2006 DF_{122} 3 14.3 335°.38 5°.4/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.30	+16 36.4	1.845	2.706	12.4	19.6
2 21	11 58.06	+17 14.2	1.780	2.704	9.2	19.4
3 2	11 49.68	+17 48.7	1.741	2.702	6.4	19.3
3 12	11 40.04	+18 12.7	1.729	2.700	5.5	19.2
3 22	11 30.19	+18 20.6	1.744	2.699	7.6	19.3
4 1	11 21.25	+18 9.0	1.786	2.697	10.7	19.5
4 11	11 14.12	+17 37.7	1.852	2.696	13.9	19.7
4 21	11 9.36	+16 48.8	1.937	2.694	16.6	19.9

493145 2014 TH_{52} 3 14.3 187°.61 5°.8/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.46	+19 42.2	2.307	3.156	10.7	22.2
2 21	11 59.29	+20 41.8	2.243	3.156	8.2	22.0
3 2	11 50.27	+21 36.7	2.205	3.154	6.2	21.9
3 12	11 40.15	+22 19.8	2.197	3.152	5.9	21.9
3 22	11 29.84	+22 45.8	2.217	3.149	7.7	22.0
4 1	11 20.29	+22 51.5	2.266	3.145	10.2	22.1
4 11	11 12.32	+22 36.9	2.339	3.140	12.7	22.3
4 21	11 6.42	+22 3.8	2.432	3.134	15.0	22.4

307097 2002 BX_{13} 3 14.3 91°.17 15°.0/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.70	−22 59.2	1.090	1.849	25.6	20.6
2 21	12 8.03	−25 30.0	1.034	1.864	22.3	20.4
3 2	11 56.17	−27 24.1	0.995	1.878	18.9	20.2
3 12	11 41.38	−28 30.7	0.975	1.892	16.1	20.1
3 22	11 25.74	−28 44.7	0.976	1.906	15.0	20.1
4 1	11 11.65	−28 11.4	0.998	1.920	16.0	20.2
4 11	11 1.06	−27 5.6	1.040	1.933	18.4	20.4
4 21	10 54.91	−25 44.8	1.099	1.946	21.3	20.6

4683 Veratar 3 14.3 54°.78 0°.1/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.03	+ 0 18.2	1.998	2.841	12.3	16.7
2 21	11 53.30	+ 0 53.5	1.937	2.856	8.9	16.5
3 2	11 46.88	+ 1 39.8	1.901	2.870	5.0	16.3
3 12	11 39.50	+ 2 32.2	1.892	2.885	0.9	16.0
3 22	11 31.98	+ 3 24.8	1.913	2.900	3.2	16.2
4 1	11 25.21	+ 4 11.9	1.961	2.916	7.1	16.5
4 11	11 19.89	+ 4 48.9	2.035	2.931	10.6	16.7
4 21	11 16.47	+ 5 13.1	2.132	2.946	13.5	17.0

92685 Cordellorenz 3 14.3 122°.25 0°.6/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.90	+ 2 19.1	1.748	2.589	13.9	19.8
2 21	11 59.15	+ 2 44.2	1.687	2.606	10.0	19.6
3 2	11 50.27	+ 3 19.4	1.651	2.621	5.6	19.3
3 12	11 40.15	+ 3 59.3	1.643	2.636	1.1	19.0
3 22	11 29.90	+ 4 37.7	1.664	2.650	3.9	19.3
4 1	11 20.64	+ 5 9.1	1.713	2.664	8.3	19.6
4 11	11 13.28	+ 5 29.0	1.788	2.677	12.1	19.8
4 21	11 8.31	+ 5 35.6	1.884	2.689	15.4	20.1

82828 2001 QB_{45} 3 14.3 215°.97 2°.8/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 59.77	− 8 4.3	2.448	3.247	11.8	20.1
2 21	11 54.47	− 8 7.0	2.357	3.243	9.1	19.9
3 2	11 47.57	− 7 55.7	2.291	3.238	6.2	19.7
3 12	11 39.65	− 7 31.9	2.252	3.233	3.4	19.5
3 22	11 31.44	− 6 58.7	2.243	3.228	3.3	19.5
4 1	11 23.73	− 6 20.3	2.263	3.222	6.0	19.7
4 11	11 17.22	− 5 41.7	2.311	3.216	9.0	19.9
4 21	11 12.42	− 5 7.2	2.383	3.210	11.8	20.0

380353 2002 RJ_{247} 3 14.3 126°.86 1°.4/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.93	+ 4 26.4	2.280	3.127	10.9	21.0
2 21	11 53.82	+ 5 11.7	2.213	3.136	7.7	20.9
3 2	11 47.14	+ 6 4.1	2.172	3.144	4.3	20.7
3 12	11 39.56	+ 6 58.4	2.161	3.152	1.4	20.5
3 22	11 31.82	+ 7 49.2	2.178	3.160	3.7	20.6
4 1	11 24.72	+ 8 31.7	2.225	3.168	7.2	20.9
4 11	11 18.93	+ 9 2.1	2.298	3.175	10.3	21.1
4 21	11 14.89	+ 9 18.9	2.393	3.182	13.0	21.3

204544 2005 EZ_{183} 3 14.3 91°.69 0°.7/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.33	− 3 9.7	2.127	2.958	12.2	20.2
2 21	11 52.75	− 2 20.0	2.059	2.970	9.0	20.0
3 2	11 46.57	− 1 16.3	2.017	2.982	5.3	19.8
3 12	11 39.45	− 0 3.4	2.002	2.994	1.4	19.6
3 22	11 32.18	+ 1 12.4	2.017	3.006	2.8	19.7
4 1	11 25.57	+ 2 24.5	2.061	3.018	6.6	20.0
4 11	11 20.31	+ 3 27.1	2.131	3.029	10.0	20.2
4 21	11 16.85	+ 4 16.5	2.225	3.041	12.9	20.4

366367 2000 QA_{85} 3 14.3 110°.68 3°.5/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.32	−10 58.7	2.390	3.169	12.6	21.2
2 21	11 56.85	−11 0.3	2.324	3.195	9.9	21.1
3 2	11 48.81	−10 45.5	2.283	3.220	6.9	20.9
3 12	11 39.87	−10 16.2	2.270	3.244	4.2	20.8
3 22	11 30.84	− 9 35.7	2.287	3.267	3.8	20.8
4 1	11 22.53	− 8 49.0	2.334	3.290	6.0	21.0
4 11	11 15.61	− 8 1.4	2.409	3.312	8.8	21.2
4 21	11 10.53	− 7 17.7	2.508	3.333	11.4	21.4

249635 1999 TQ_{120} 3 14.3 222°.45 1°.0/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.22	− 3 6.9	2.153	2.975	12.4	21.7
2 21	11 56.47	− 2 37.7	2.058	2.963	9.3	21.4
3 2	11 48.82	− 1 54.4	1.988	2.950	5.6	21.2
3 12	11 39.92	− 1 0.3	1.946	2.937	1.7	20.9
3 22	11 30.60	− 0 0.8	1.934	2.922	3.0	21.0
4 1	11 21.82	+ 0 58.0	1.951	2.907	7.0	21.2
4 11	11 14.43	+ 1 50.3	1.996	2.891	10.8	21.4
4 21	11 9.04	+ 2 31.6	2.064	2.874	14.0	21.6

189976 2004 BU_{27} 3 14.3 10°.97 0°.4/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.95	+ 1 17.1	1.922	2.771	12.5	20.4
2 21	11 53.41	+ 1 49.5	1.850	2.772	9.1	20.2
3 2	11 47.04	+ 2 33.0	1.802	2.773	5.1	19.9
3 12	11 39.56	+ 3 22.4	1.781	2.774	0.9	19.6
3 22	11 31.83	+ 4 12.0	1.789	2.776	3.5	19.8
4 1	11 24.80	+ 4 55.8	1.825	2.779	7.6	20.1
4 11	11 19.26	+ 5 28.8	1.885	2.781	11.3	20.3
4 21	11 15.72	+ 5 48.3	1.968	2.784	14.4	20.5

480506 2015 MN 3 14.3 280°.18 1°.5/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 55.99	− 5 42.3	2.444	3.260	11.3	21.7
2 21	11 51.82	− 5 6.9	2.341	3.240	8.5	21.5
3 2	11 46.11	− 4 16.4	2.262	3.220	5.4	21.3
3 12	11 39.39	− 3 13.9	2.212	3.200	2.2	21.0
3 22	11 32.33	− 2 3.9	2.191	3.180	2.6	21.0
4 1	11 25.67	− 0 52.3	2.200	3.160	6.0	21.2
4 11	11 20.11	+ 0 15.0	2.236	3.139	9.4	21.4
4 21	11 16.16	+ 1 13.2	2.296	3.118	12.4	21.5

336459 2008 UC_{360} 3 14.3 239°.14 2°.9/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.78	− 8 29.2	2.374	3.172	12.1	21.5
2 21	11 54.58	− 8 24.3	2.274	3.160	9.4	21.3
3 2	11 47.70	− 8 4.0	2.200	3.147	6.4	21.1
3 12	11 39.70	− 7 30.0	2.153	3.134	3.5	20.9
3 22	11 31.34	− 6 45.7	2.135	3.120	3.4	20.8
4 1	11 23.43	− 5 55.9	2.147	3.106	6.2	21.0
4 11	11 16.76	− 5 6.0	2.186	3.092	9.5	21.2
4 21	11 11.84	− 4 21.2	2.249	3.077	12.4	21.3

318047 2004 FB_{26} 3 14.3 321°.17 4°.2/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.36	+12 12.9	1.492	2.357	14.5	20.1
2 21	12 0.07	+12 28.8	1.418	2.347	10.6	19.9
3 2	11 51.09	+12 45.1	1.368	2.338	6.5	19.6
3 12	11 40.37	+12 54.4	1.343	2.328	4.2	19.5
3 22	11 29.24	+12 50.6	1.346	2.319	6.9	19.6
4 1	11 19.11	+12 29.5	1.375	2.311	11.2	19.8
4 11	11 11.18	+11 50.2	1.426	2.303	15.4	20.0
4 21	11 6.12	+10 54.3	1.497	2.296	18.9	20.2

66207 Carpi 3 14.3 136°.60 2°.2/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 57.68	+ 6 33.1	2.190	3.045	10.9	19.3
2 21	11 53.02	+ 7 32.2	2.120	3.047	7.8	19.1
3 2	11 46.75	+ 8 37.8	2.077	3.049	4.4	18.9
3 12	11 39.51	+ 9 43.7	2.063	3.051	2.2	18.7
3 22	11 32.07	+10 43.7	2.077	3.054	4.6	18.9
4 1	11 25.25	+11 32.4	2.120	3.055	7.9	19.1
4 11	11 19.75	+12 6.3	2.189	3.057	11.1	19.3
4 21	11 16.05	+12 23.8	2.279	3.059	13.8	19.5

382761 2003 OW_{15} 3 14.3 193°.38 2°.5/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.57	− 8 30.7	2.659	3.452	11.1	22.6
2 21	11 54.21	− 8 17.7	2.567	3.450	8.6	22.4
3 2	11 47.38	− 7 50.6	2.500	3.447	5.8	22.2
3 12	11 39.64	− 7 11.4	2.462	3.443	3.1	22.1
3 22	11 31.64	− 6 23.5	2.454	3.439	3.0	22.0
4 1	11 24.11	− 5 31.4	2.476	3.434	5.6	22.2
4 11	11 17.70	− 4 40.1	2.526	3.429	8.5	22.4
4 21	11 12.86	− 3 53.9	2.601	3.423	11.1	22.5

361766 2008 AR_{6} 3 14.3 82°.03 4°.2/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.83	+ 9 42.2	1.518	2.387	14.1	20.6
2 21	11 56.52	+10 52.5	1.464	2.396	10.1	20.4
3 2	11 48.90	+12 7.7	1.434	2.406	6.1	20.2
3 12	11 39.93	+13 18.2	1.431	2.415	4.2	20.1
3 22	11 30.78	+14 15.3	1.455	2.424	7.0	20.3
4 1	11 22.68	+14 52.4	1.504	2.434	11.0	20.5
4 11	11 16.58	+15 6.8	1.576	2.443	14.7	20.8
4 21	11 13.03	+14 59.1	1.667	2.452	17.8	21.0

271670 2004 RP_{62} 3 14.3 165°.18 0°.5/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.89	− 3 23.8	2.190	3.017	12.0	20.6
2 21	11 53.19	− 2 22.6	2.112	3.021	8.8	20.4
3 2	11 46.86	− 1 6.3	2.059	3.024	5.2	20.2
3 12	11 39.54	+ 0 20.0	2.035	3.027	1.3	19.9
3 22	11 31.99	+ 1 49.6	2.041	3.029	2.9	20.1
4 1	11 25.05	+ 3 15.4	2.076	3.031	6.7	20.3
4 11	11 19.42	+ 4 30.9	2.139	3.033	10.2	20.5
4 21	11 15.59	+ 5 32.1	2.225	3.034	13.2	20.7

173765 2001 RA_{135} 3 14.3 166°.75 2°.7/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.57	+10 58.9	2.703	3.553	9.3	20.5
2 21	11 54.81	+11 34.6	2.634	3.557	6.7	20.4
3 2	11 47.65	+12 11.7	2.592	3.560	4.0	20.2
3 12	11 39.68	+12 45.5	2.580	3.563	2.7	20.1
3 22	11 31.57	+13 12.1	2.598	3.566	4.5	20.2
4 1	11 24.02	+13 28.2	2.645	3.568	7.2	20.4
4 11	11 17.64	+13 32.0	2.719	3.570	9.8	20.6
4 21	11 12.84	+13 23.2	2.816	3.571	12.0	20.7

466571 2014 UU_{16} 3 14.4 105°.55 2°.0/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.29	− 6 31.0	1.897	2.713	14.0	22.2
2 21	11 55.73	− 5 59.8	1.833	2.732	10.6	22.0
3 2	11 48.31	− 5 10.9	1.794	2.751	6.6	21.8
3 12	11 39.82	− 4 8.6	1.782	2.769	2.8	21.6
3 22	11 31.20	− 2 58.9	1.799	2.787	3.2	21.6
4 1	11 23.40	− 1 49.2	1.844	2.805	6.9	21.9
4 11	11 17.24	− 0 46.3	1.916	2.822	10.6	22.1
4 21	11 13.19	+ 0 5.2	2.011	2.838	13.7	22.4

226838 2004 SL_{19} 3 14.4 89°.22 4°.1/18.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.12	−11 8.0	1.970	2.764	14.4	20.4
2 21	11 55.65	−11 13.9	1.900	2.779	11.3	20.2
3 2	11 48.30	−11 0.4	1.854	2.793	8.0	20.0
3 12	11 39.83	−10 29.1	1.833	2.808	4.9	19.9
3 22	11 31.16	− 9 44.0	1.841	2.822	4.4	19.9
4 1	11 23.25	− 8 51.0	1.877	2.836	6.9	20.0
4 11	11 16.93	− 7 56.9	1.939	2.850	10.2	20.3
4 21	11 12.69	− 7 7.7	2.024	2.864	13.2	20.5

313735 2003 UC_{199} 3 14.4 159°.46 1°.3/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.82	− 4 31.7	2.021	2.841	13.2	21.9
2 21	11 56.13	− 3 56.3	1.945	2.849	9.8	21.7
3 2	11 48.58	− 3 5.2	1.894	2.855	6.0	21.4
3 12	11 39.89	− 2 2.5	1.871	2.861	2.1	21.2
3 22	11 30.97	− 0 54.1	1.877	2.866	3.0	21.3
4 1	11 22.76	+ 0 13.1	1.913	2.871	7.0	21.5
4 11	11 16.08	+ 1 12.9	1.975	2.875	10.6	21.7
4 21	11 11.44	+ 2 0.7	2.061	2.878	13.8	22.0

434068 2001 WF_{69} 3 14.4 90°.22 5°.7/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 56.50	−19 51.1	2.378	3.118	13.8	20.7
2 21	11 52.17	−19 41.7	2.294	3.126	11.5	20.6
3 2	11 46.28	−19 9.4	2.233	3.133	9.0	20.4
3 12	11 39.45	−18 15.1	2.196	3.140	6.7	20.3
3 22	11 32.40	−17 2.0	2.186	3.148	5.7	20.2
4 1	11 25.93	−15 35.7	2.205	3.155	6.7	20.3
4 11	11 20.72	−14 3.6	2.251	3.162	9.0	20.5
4 21	11 17.24	−12 33.0	2.322	3.169	11.4	20.6

496087 2009 ST_{162} 3 14.4 195°.81 2°.0/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.30	+ 7 47.1	2.255	3.098	11.1	21.9
2 21	11 58.51	+ 8 8.1	2.175	3.095	8.0	21.7
3 2	11 49.89	+ 8 32.8	2.122	3.092	4.6	21.5
3 12	11 40.15	+ 8 56.7	2.099	3.088	2.0	21.3
3 22	11 30.16	+ 9 15.2	2.106	3.084	4.2	21.4
4 1	11 20.83	+ 9 24.6	2.142	3.079	7.8	21.6
4 11	11 12.98	+ 9 22.5	2.206	3.074	11.0	21.8
4 21	11 7.11	+ 9 8.2	2.292	3.068	13.8	22.0

204206 2004 CC_{14} 3 14.4 63°.98 1°.5/15.7 17

2 11	12 1.59	− 2 39.6	2.047	2.873	12.8	20.1
2 21	11 55.90	− 2 43.7	1.977	2.883	9.5	19.9
3 2	11 48.41	− 2 35.9	1.932	2.894	5.8	19.7
3 12	11 39.86	− 2 19.0	1.915	2.904	2.1	19.5
3 22	11 31.12	− 1 56.8	1.926	2.915	3.0	19.6
4 1	11 23.11	− 1 33.8	1.967	2.926	6.7	19.8
4 11	11 16.62	− 1 14.6	2.033	2.937	10.2	20.0
4 21	11 12.12	− 1 2.5	2.123	2.947	13.2	20.3

422732 2001 QC_{210} 3 14.4 121°.98 1°.1/15.6 18

2 11	12 1.27	− 4 17.2	2.371	3.185	11.7	22.2
2 21	11 55.39	− 3 36.5	2.307	3.207	8.6	22.0
3 2	11 48.00	− 2 42.7	2.269	3.229	5.2	21.9
3 12	11 39.77	− 1 40.1	2.260	3.250	1.7	21.6
3 22	11 31.45	− 0 34.0	2.282	3.271	2.6	21.7
4 1	11 23.82	+ 0 30.2	2.334	3.290	6.0	22.0
4 11	11 17.52	+ 1 27.1	2.414	3.308	9.2	22.2
4 21	11 12.97	+ 2 13.5	2.518	3.326	11.9	22.4

372573 Pietromenga 3 14.4 153°.28 8°.9/25.3 17

2 11	11 58.70	−27 20.5	2.068	2.763	16.9	20.6
2 21	11 54.12	−27 33.2	1.980	2.765	14.8	20.4
3 2	11 47.55	−27 16.0	1.911	2.767	12.4	20.3
3 12	11 39.71	−26 27.0	1.863	2.769	10.3	20.1
3 22	11 31.53	−25 8.1	1.840	2.771	9.0	20.0
4 1	11 24.03	−23 25.0	1.844	2.773	9.3	20.1
4 11	11 18.11	−21 27.1	1.873	2.775	11.0	20.2
4 21	11 14.33	−19 24.7	1.926	2.776	13.3	20.3

343121 2009 EW_{13} 3 14.4 16°.58 3°.1/11.0 17

2 11	11 57.72	+ 9 16.0	2.000	2.863	11.5	20.1
2 21	11 53.19	+10 11.0	1.935	2.865	8.2	19.9
3 2	11 46.90	+11 10.3	1.896	2.868	4.8	19.7
3 12	11 39.57	+12 7.2	1.885	2.870	3.2	19.6
3 22	11 32.05	+12 55.3	1.902	2.873	5.5	19.7
4 1	11 25.22	+13 29.6	1.946	2.876	8.8	19.9
4 11	11 19.85	+13 47.0	2.015	2.880	12.0	20.1
4 21	11 16.42	+13 47.0	2.104	2.884	14.8	20.3

361616 2007 TS_{64} 3 14.4 186°.84 0°.3/14.0 17

2 11	12 2.27	+ 0 22.4	1.992	2.828	12.7	22.0
2 21	11 56.53	+ 1 6.5	1.913	2.828	9.2	21.8
3 2	11 48.85	+ 2 3.0	1.859	2.828	5.2	21.5
3 12	11 39.96	+ 3 6.6	1.833	2.826	1.0	21.2
3 22	11 30.78	+ 4 11.0	1.837	2.824	3.5	21.4
4 1	11 22.27	+ 5 9.4	1.870	2.821	7.7	21.7
4 11	11 15.32	+ 5 56.4	1.929	2.817	11.4	21.9
4 21	11 10.45	+ 6 28.9	2.011	2.813	14.6	22.1

72378 2001 CZ_{8} 3 14.4 243°.78 3°.6/17.5 18

2 11	12 3.23	− 8 32.1	2.160	2.957	13.2	19.5
2 21	11 57.24	− 8 57.7	2.066	2.949	10.4	19.3
3 2	11 49.29	− 9 8.5	1.997	2.941	7.2	19.1
3 12	11 40.06	− 9 5.2	1.955	2.932	4.3	18.9
3 22	11 30.41	− 8 49.9	1.942	2.924	4.1	18.8
4 1	11 21.29	− 8 26.6	1.957	2.915	6.9	19.0
4 11	11 13.61	− 8 0.5	2.000	2.906	10.2	19.2
4 21	11 7.95	− 7 36.5	2.066	2.896	13.3	19.4

372404 2009 RP_{15} 3 14.4 165°.78 1°.2/13.2 17

2 11	12 1.79	+ 4 2.8	2.025	2.872	12.1	21.3
2 21	11 56.11	+ 4 35.7	1.953	2.874	8.7	21.0
3 2	11 48.57	+ 5 16.5	1.906	2.877	4.8	20.8
3 12	11 39.90	+ 6 0.3	1.887	2.879	1.3	20.6
3 22	11 31.00	+ 6 41.3	1.897	2.881	3.9	20.7
4 1	11 22.82	+ 7 14.4	1.936	2.883	7.8	21.0
4 11	11 16.16	+ 7 35.7	2.001	2.884	11.3	21.2
4 21	11 11.55	+ 7 43.5	2.088	2.885	14.3	21.4

473520 2015 XN_{147} 3 14.4 65°.98 1°.7/13.1 18

2 11	12 3.03	+ 3 25.7	1.308	2.172	16.3	21.1
2 21	11 57.60	+ 4 11.3	1.257	2.187	11.6	20.9
3 2	11 49.59	+ 5 9.3	1.228	2.202	6.4	20.7
3 12	11 40.10	+ 6 11.2	1.225	2.217	1.8	20.4
3 22	11 30.47	+ 7 7.8	1.248	2.233	5.2	20.7
4 1	11 22.07	+ 7 51.2	1.296	2.248	10.2	21.0
4 11	11 15.96	+ 8 16.2	1.367	2.264	14.6	21.3
4 21	11 12.66	+ 8 21.6	1.458	2.279	18.3	21.6

508361 2016 EQ_{149} 3 14.4 273°.71 4°.9/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.16	+14 41.2	2.000	2.858	11.7	21.0
2 21	11 58.12	+15 30.6	1.909	2.833	8.7	20.8
3 2	11 49.90	+16 20.4	1.844	2.807	5.9	20.5
3 12	11 40.20	+17 3.4	1.806	2.781	5.0	20.4
3 22	11 30.00	+17 32.8	1.798	2.754	7.2	20.5
4 1	11 20.40	+17 43.6	1.816	2.727	10.6	20.6
4 11	11 12.39	+17 33.9	1.859	2.700	14.0	20.8
4 21	11 6.63	+17 4.3	1.921	2.672	16.9	21.0

316566 2011 GN_{67} 3 14.4 255°.73 2°.5/11.8 17

2 11	11 58.77	+ 6 43.5	1.960	2.818	11.9	20.7
2 21	11 54.03	+ 7 41.4	1.887	2.816	8.5	20.5
3 2	11 47.43	+ 8 46.4	1.840	2.813	4.8	20.3
3 12	11 39.70	+ 9 52.0	1.821	2.810	2.5	20.1
3 22	11 31.70	+10 51.2	1.831	2.807	5.0	20.3
4 1	11 24.38	+11 38.0	1.868	2.804	8.7	20.5
4 11	11 18.54	+12 8.4	1.930	2.802	12.2	20.7
4 21	11 14.72	+12 20.9	2.012	2.799	15.2	20.9

336277 2008 SW_{241} 3 14.4 280°.52 2°.6/11.8 17

2 11	11 59.66	+ 7 29.0	1.914	2.774	12.1	20.6
2 21	11 54.72	+ 8 18.2	1.841	2.769	8.6	20.3
3 2	11 47.85	+ 9 13.8	1.792	2.764	5.0	20.1
3 12	11 39.79	+10 9.2	1.771	2.760	2.6	19.9
3 22	11 31.44	+10 57.8	1.779	2.755	5.2	20.1
4 1	11 23.78	+11 33.9	1.814	2.751	8.9	20.3
4 11	11 17.68	+11 53.7	1.873	2.746	12.5	20.5
4 21	11 13.66	+11 56.2	1.954	2.742	15.5	20.7

372498 2009 SL_{261} 3 14.4 180°.94 2°.3/11.9 18

2 11	12 3.62	+ 8 48.8	2.476	3.319	10.2	20.9
2 21	11 57.14	+ 9 21.4	2.400	3.321	7.3	20.7
3 2	11 49.06	+ 9 57.2	2.352	3.322	4.2	20.5
3 12	11 40.01	+10 31.2	2.334	3.322	2.3	20.4
3 22	11 30.76	+10 59.0	2.347	3.321	4.3	20.5
4 1	11 22.13	+11 16.9	2.389	3.320	7.4	20.7
4 11	11 14.83	+11 22.7	2.459	3.318	10.4	20.9
4 21	11 9.31	+11 15.8	2.551	3.315	12.9	21.1

241701 2000 SK_{191} 3 14.4 158°.85 2°.3/12.2 18

2 11	12 2.27	+ 5 17.6	1.734	2.589	13.3	20.9
2 21	11 56.70	+ 6 21.4	1.668	2.594	9.5	20.7
3 2	11 49.00	+ 7 34.7	1.626	2.599	5.3	20.5
3 12	11 40.01	+ 8 49.6	1.613	2.603	2.3	20.3
3 22	11 30.77	+ 9 57.9	1.628	2.607	5.2	20.5
4 1	11 22.38	+10 52.6	1.671	2.610	9.4	20.7
4 11	11 15.77	+11 29.1	1.738	2.613	13.2	21.0
4 21	11 11.49	+11 45.9	1.825	2.615	16.4	21.2

253188 2002 XW_{26} 3 14.4 66°.24 4°.4/11.4 18

2 11	12 9.07	+12 38.9	1.515	2.375	14.6	20.2
2 21	12 1.48	+13 5.6	1.476	2.402	10.5	20.0
3 2	11 51.56	+13 31.4	1.461	2.429	6.4	19.8
3 12	11 40.46	+13 48.8	1.473	2.456	4.4	19.8
3 22	11 29.51	+13 52.4	1.513	2.483	6.8	20.0
4 1	11 19.95	+13 39.2	1.580	2.510	10.5	20.3
4 11	11 12.70	+13 9.2	1.671	2.537	14.1	20.5
4 21	11 8.16	+12 24.5	1.781	2.563	17.0	20.8

105643 2000 SF_{18} 3 14.4 275°.38 2°.7/17.1 17

2 11	11 59.22	− 7 10.8	2.333	3.139	12.1	20.2
2 21	11 54.19	− 7 15.7	2.241	3.132	9.3	20.0
3 2	11 47.49	− 7 6.6	2.174	3.125	6.2	19.7
3 12	11 39.72	− 6 45.3	2.135	3.118	3.3	19.5
3 22	11 31.64	− 6 14.9	2.125	3.110	3.2	19.5
4 1	11 24.06	− 5 39.5	2.143	3.103	6.2	19.7
4 11	11 17.73	− 5 4.4	2.189	3.096	9.4	19.9
4 21	11 13.15	− 4 33.7	2.258	3.089	12.3	20.1

50878 2000 GC_{31} 3 14.4 185°.83 0°.1/14.2 18

2 11	11 58.16	+ 0 14.2	2.341	3.177	11.0	19.3
2 21	11 53.33	+ 0 51.4	2.262	3.177	8.0	19.1
3 2	11 46.94	+ 1 38.9	2.208	3.177	4.6	18.9
3 12	11 39.61	+ 2 32.4	2.183	3.176	0.9	18.6
3 22	11 32.05	+ 3 26.9	2.188	3.175	2.9	18.8
4 1	11 25.05	+ 4 17.2	2.222	3.174	6.5	19.0
4 11	11 19.28	+ 4 58.7	2.283	3.173	9.8	19.2
4 21	11 15.20	+ 5 28.6	2.367	3.172	12.6	19.4

39615 1994 AU 3 14.4 77°.13 1°.3/13.3 18

2 11	12 4.16	+ 3 7.6	1.437	2.294	15.5	19.1
2 21	11 58.19	+ 3 47.5	1.388	2.314	11.1	18.9
3 2	11 49.84	+ 4 38.7	1.362	2.334	6.1	18.7
3 12	11 40.16	+ 5 33.7	1.362	2.354	1.5	18.4
3 22	11 30.42	+ 6 24.4	1.389	2.374	4.7	18.7
4 1	11 21.86	+ 7 3.8	1.442	2.394	9.4	19.0
4 11	11 15.47	+ 7 27.3	1.520	2.413	13.6	19.3
4 21	11 11.72	+ 7 33.4	1.617	2.433	17.0	19.6

224577 2005 XG_{26} 3 14.4 125°.03 5°.7/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 1.75	+17 50.6	2.159	3.019	10.9	20.9
2 21	11 55.94	+19 10.7	2.113	3.033	8.2	20.7
3 2	11 48.39	+20 27.2	2.093	3.047	6.1	20.6
3 12	11 39.88	+21 32.2	2.102	3.061	5.9	20.6
3 22	11 31.29	+22 19.7	2.139	3.074	7.7	20.7
4 1	11 23.49	+22 46.3	2.203	3.086	10.3	20.9
4 11	11 17.23	+22 51.3	2.290	3.098	12.8	21.1
4 21	11 12.95	+22 36.4	2.397	3.110	14.9	21.3

6751 van Genderen 3 14.4 232°.02 1°.4/15.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.62	− 4 30.6	1.907	2.732	13.6	18.2
2 21	11 55.53	− 3 56.8	1.816	2.722	10.2	17.9
3 2	11 48.40	− 3 5.6	1.749	2.711	6.3	17.7
3 12	11 39.93	− 2 0.9	1.710	2.700	2.2	17.4
3 22	11 31.03	− 0 48.7	1.699	2.688	3.2	17.4
4 1	11 22.73	+ 0 23.5	1.717	2.676	7.5	17.7
4 11	11 15.97	+ 1 28.4	1.761	2.663	11.5	17.9
4 21	11 11.36	+ 2 20.6	1.827	2.650	15.1	18.1

229975 1999 VC_{40} 3 14.4 183°.42 2°.1/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.73	+ 7 15.4	2.355	3.203	10.5	21.5
2 21	11 55.16	+ 7 57.7	2.280	3.204	7.5	21.3
3 2	11 47.98	+ 8 44.9	2.233	3.204	4.3	21.1
3 12	11 39.83	+ 9 31.9	2.214	3.203	2.1	20.9
3 22	11 31.47	+10 13.5	2.226	3.202	4.3	21.0
4 1	11 23.71	+10 45.2	2.266	3.201	7.5	21.2
4 11	11 17.25	+11 4.2	2.333	3.199	10.6	21.4
4 21	11 12.56	+11 9.3	2.422	3.197	13.2	21.6

429184 2009 WY_{9} 3 14.4 112°.79 1°.6/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.12	− 6 13.2	2.331	3.140	12.0	21.9
2 21	11 54.62	− 5 35.8	2.266	3.162	9.0	21.8
3 2	11 47.60	− 4 43.8	2.227	3.184	5.6	21.6
3 12	11 39.74	− 3 41.2	2.217	3.205	2.3	21.4
3 22	11 31.79	− 2 33.2	2.237	3.225	2.7	21.5
4 1	11 24.52	− 1 25.5	2.286	3.245	5.9	21.7
4 11	11 18.57	− 0 23.8	2.364	3.264	9.1	21.9
4 21	11 14.36	+ 0 27.9	2.465	3.282	11.8	22.2

53380 1999 JS_{89} 3 14.4 269°.85 2°.5/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 56.28	+ 6 41.0	2.266	3.123	10.6	18.9
2 21	11 52.08	+ 7 54.2	2.186	3.114	7.5	18.7
3 2	11 46.29	+ 9 14.9	2.133	3.105	4.3	18.5
3 12	11 39.51	+10 36.6	2.109	3.096	2.5	18.3
3 22	11 32.45	+11 52.6	2.114	3.087	4.8	18.5
4 1	11 25.92	+12 56.8	2.147	3.078	8.1	18.7
4 11	11 20.61	+13 44.9	2.207	3.069	11.2	18.8
4 21	11 17.02	+14 15.1	2.287	3.060	13.9	19.0

209122 2003 SU_{179} 3 14.4 187°.18 1°.4/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.34	− 4 11.8	1.993	2.814	13.3	21.5
2 21	11 56.62	− 3 44.9	1.911	2.814	9.9	21.3
3 2	11 48.94	− 3 2.3	1.852	2.813	6.1	21.1
3 12	11 40.03	− 2 7.9	1.822	2.812	2.2	20.8
3 22	11 30.80	− 1 7.2	1.821	2.810	3.1	20.9
4 1	11 22.24	− 0 6.8	1.849	2.807	7.1	21.1
4 11	11 15.22	+ 0 47.0	1.903	2.803	10.9	21.3
4 21	11 10.30	+ 1 29.7	1.981	2.799	14.2	21.5

431299 2006 UX_{337} 3 14.4 136°.52 6°.5/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.62	+25 45.1	2.706	3.553	9.4	21.1
2 21	11 54.91	+26 50.9	2.661	3.561	7.6	21.0
3 2	11 47.75	+27 48.2	2.643	3.569	6.6	21.0
3 12	11 39.77	+28 31.2	2.654	3.577	6.8	21.0
3 22	11 31.72	+28 55.8	2.691	3.585	8.1	21.1
4 1	11 24.33	+29 0.2	2.755	3.592	9.9	21.2
4 11	11 18.23	+28 44.8	2.841	3.599	11.8	21.4
4 21	11 13.83	+28 11.6	2.946	3.606	13.4	21.5

225537 2000 SZ_{64} 3 14.4 190°.74 0°.4/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.31	− 1 59.3	2.345	3.172	11.3	21.3
2 21	11 54.19	− 1 15.7	2.261	3.170	8.3	21.1
3 2	11 47.46	− 0 19.7	2.203	3.169	4.9	20.8
3 12	11 39.74	+ 0 44.7	2.174	3.166	1.2	20.6
3 22	11 31.77	+ 1 51.9	2.175	3.163	2.8	20.7
4 1	11 24.34	+ 2 56.1	2.205	3.160	6.5	20.9
4 11	11 18.17	+ 3 52.1	2.263	3.155	9.8	21.1
4 21	11 13.72	+ 4 36.3	2.345	3.151	12.7	21.3

202832 2008 SZ_{193} 3 14.4 188°.34 2°.7/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.48	+ 6 49.6	1.817	2.669	13.0	21.2
2 21	11 58.30	+ 7 48.3	1.744	2.669	9.3	21.0
3 2	11 49.94	+ 8 54.6	1.696	2.668	5.3	20.7
3 12	11 40.23	+10 1.2	1.677	2.666	2.7	20.5
3 22	11 30.21	+11 0.4	1.687	2.663	5.4	20.7
4 1	11 20.99	+11 45.7	1.725	2.659	9.5	20.9
4 11	11 13.53	+12 13.1	1.787	2.655	13.2	21.2
4 21	11 8.41	+12 21.6	1.870	2.650	16.4	21.4

510746 2012 XB_{30} 3 14.4 123°.57 3°.6/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 57.70	−11 53.1	2.529	3.310	11.9	21.6
2 21	11 52.93	−11 48.0	2.446	3.317	9.5	21.5
3 2	11 46.70	−11 26.6	2.388	3.323	6.7	21.3
3 12	11 39.59	−10 50.3	2.357	3.329	4.3	21.2
3 22	11 32.27	−10 2.6	2.355	3.335	3.7	21.1
4 1	11 25.47	− 9 8.0	2.382	3.341	5.7	21.3
4 11	11 19.84	− 8 12.0	2.437	3.346	8.5	21.4
4 21	11 15.82	− 7 19.5	2.516	3.352	11.0	21.6

16239 Dower 3 14.4 249°.21 1°.6/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.21	− 4 32.1	2.095	2.914	12.8	20.0
2 21	11 55.88	− 4 13.5	1.995	2.896	9.7	19.7
3 2	11 48.60	− 3 39.6	1.919	2.878	6.0	19.5
3 12	11 40.00	− 2 53.4	1.871	2.860	2.4	19.2
3 22	11 30.93	− 1 59.6	1.852	2.841	3.1	19.2
4 1	11 22.35	− 1 3.9	1.862	2.821	7.0	19.4
4 11	11 15.15	− 0 12.9	1.899	2.801	10.9	19.6
4 21	11 9.97	+ 0 28.8	1.959	2.780	14.3	19.8

437328 2013 RM_{5} 3 14.4 105°.66 5°.0/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.36	−17 53.8	1.141	1.945	22.1	21.0
2 21	11 55.47	−16 13.5	1.072	1.955	17.7	20.7
3 2	11 48.65	−13 42.9	1.023	1.965	12.4	20.5
3 12	11 40.01	−10 28.3	0.997	1.975	7.0	20.2
3 22	11 31.05	− 6 46.4	0.997	1.985	5.3	20.1
4 1	11 23.34	− 3 0.6	1.025	1.994	9.7	20.4
4 11	11 18.12	+ 0 25.7	1.078	2.003	15.1	20.7
4 21	11 16.00	+ 3 17.5	1.153	2.012	19.7	21.0

132411 2002 GO_{117} 3 14.4 236°.35 5°.2/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.61	+13 13.2	1.665	2.531	13.2	19.9
2 21	11 57.90	+14 19.3	1.595	2.524	9.7	19.7
3 2	11 49.82	+15 27.3	1.549	2.516	6.4	19.4
3 12	11 40.24	+16 28.2	1.531	2.508	5.3	19.4
3 22	11 30.28	+17 13.7	1.540	2.500	7.8	19.5
4 1	11 21.19	+17 37.9	1.574	2.491	11.5	19.7
4 11	11 14.02	+17 38.5	1.632	2.482	15.1	19.9
4 21	11 9.38	+17 16.7	1.708	2.473	18.2	20.1

163655 2002 VH_{79} 3 14.4 79°.23 4°.5/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.41	+14 21.5	2.172	3.033	10.8	20.0
2 21	11 54.88	+15 27.6	2.131	3.057	7.8	19.8
3 2	11 47.76	+16 32.1	2.117	3.080	5.2	19.7
3 12	11 39.79	+17 28.4	2.132	3.104	4.6	19.7
3 22	11 31.81	+18 11.0	2.175	3.127	6.4	19.9
4 1	11 24.64	+18 36.2	2.245	3.151	9.1	20.1
4 11	11 18.93	+18 43.1	2.340	3.174	11.7	20.3
4 21	11 15.10	+18 32.6	2.455	3.196	13.9	20.5

88989 2001 TQ_{71} 3 14.4 79°.42 2°.2/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 56.39	− 7 46.8	2.255	3.066	12.3	19.9
2 21	11 52.11	− 7 12.5	2.178	3.072	9.4	19.7
3 2	11 46.28	− 6 21.7	2.124	3.078	6.1	19.6
3 12	11 39.53	− 5 17.6	2.098	3.084	2.9	19.4
3 22	11 32.57	− 4 5.6	2.102	3.090	2.9	19.4
4 1	11 26.20	− 2 51.6	2.134	3.096	6.0	19.6
4 11	11 21.08	− 1 42.2	2.193	3.102	9.3	19.8
4 21	11 17.67	− 0 42.1	2.277	3.108	12.2	20.0

227475 2005 WY_{174} 3 14.4 55°.04 0°.7/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.01	+ 1 58.8	1.766	2.617	13.4	20.7
2 21	11 55.05	+ 2 34.4	1.698	2.621	9.6	20.5
3 2	11 48.08	+ 3 21.4	1.654	2.625	5.4	20.2
3 12	11 39.89	+ 4 13.9	1.637	2.630	1.1	19.9
3 22	11 31.46	+ 5 5.3	1.648	2.635	3.9	20.1
4 1	11 23.82	+ 5 49.3	1.687	2.639	8.2	20.4
4 11	11 17.85	+ 6 20.8	1.750	2.644	12.1	20.7
4 21	11 14.09	+ 6 37.3	1.834	2.649	15.3	20.9

308749 2006 JN_{45} 3 14.4 67°.85 0°.3/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.58	− 2 18.5	1.433	2.283	15.9	20.7
2 21	11 55.08	− 1 22.3	1.370	2.291	11.7	20.5
3 2	11 48.22	− 0 6.5	1.329	2.299	6.7	20.2
3 12	11 39.92	+ 1 21.6	1.315	2.307	1.4	19.9
3 22	11 31.37	+ 2 52.3	1.327	2.316	4.0	20.1
4 1	11 23.79	+ 4 15.4	1.365	2.324	9.0	20.4
4 11	11 18.21	+ 5 22.5	1.427	2.333	13.5	20.7
4 21	11 15.18	+ 6 9.4	1.510	2.341	17.3	21.0

385417 2003 BB_{47} 3 14.4 80°.53 5°.1/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.28	−13 38.1	2.331	3.092	13.4	20.4
2 21	11 59.15	−14 25.6	2.263	3.115	10.8	20.2
3 2	11 50.25	−14 56.1	2.219	3.138	8.1	20.1
3 12	11 40.30	−15 9.2	2.203	3.161	5.8	20.0
3 22	11 30.18	−15 6.4	2.217	3.183	5.2	20.0
4 1	11 20.78	−14 51.3	2.259	3.205	6.9	20.1
4 11	11 12.89	−14 28.9	2.330	3.227	9.3	20.3
4 21	11 6.98	−14 4.3	2.424	3.249	11.7	20.5

264605 2001 UB_{110} 3 14.4 172°.73 0°.1/14.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 1.44	− 0 11.1	2.222	3.053	11.7	22.3
2 21	11 55.76	+ 0 20.8	2.144	3.057	8.5	22.1
3 2	11 48.37	+ 1 3.5	2.092	3.059	4.9	21.8
3 12	11 39.94	+ 1 52.9	2.069	3.061	1.0	21.6
3 22	11 31.28	+ 2 43.8	2.075	3.063	3.0	21.7
4 1	11 23.25	+ 3 30.8	2.111	3.064	6.8	22.0
4 11	11 16.59	+ 4 9.2	2.174	3.064	10.2	22.2
4 21	11 11.80	+ 4 36.1	2.260	3.064	13.2	22.4

231529 2008 SG_{105} 3 14.4 128°.30 1°.2/13.1 17

2 11	11 59.87	+ 3 49.7	2.130	2.977	11.5	20.9
2 21	11 54.65	+ 4 27.8	2.061	2.983	8.3	20.7
3 2	11 47.74	+ 5 13.8	2.017	2.988	4.6	20.5
3 12	11 39.82	+ 6 2.6	2.002	2.994	1.3	20.3
3 22	11 31.71	+ 6 48.7	2.015	2.999	3.7	20.5
4 1	11 24.27	+ 7 27.0	2.058	3.004	7.4	20.7
4 11	11 18.24	+ 7 53.7	2.126	3.009	10.8	20.9
4 21	11 14.09	+ 8 6.8	2.217	3.014	13.6	21.1

302504 2002 GQ_{150} 3 14.4 11°.20 3°.0/12.3 18

2 11	12 4.62	+ 7 59.8	1.361	2.229	15.5	20.6
2 21	11 58.90	+ 8 26.5	1.298	2.229	11.2	20.3
3 2	11 50.48	+ 8 59.4	1.257	2.230	6.4	20.0
3 12	11 40.38	+ 9 30.8	1.242	2.231	3.0	19.8
3 22	11 29.96	+ 9 53.3	1.253	2.233	6.1	20.0
4 1	11 20.66	+10 0.8	1.289	2.235	10.9	20.3
4 11	11 13.65	+ 9 50.6	1.348	2.237	15.3	20.5
4 21	11 9.54	+ 9 22.6	1.425	2.240	19.0	20.8

100946 1998 OD_{10} 3 14.4 270°.46 0°.6/14.9 17

2 11	12 1.49	− 1 19.4	1.719	2.559	14.2	20.3
2 21	11 56.44	− 0 55.3	1.625	2.541	10.5	20.0
3 2	11 49.08	− 0 15.7	1.556	2.523	6.2	19.8
3 12	11 40.14	+ 0 35.1	1.513	2.505	1.5	19.4
3 22	11 30.63	+ 1 30.9	1.498	2.487	3.6	19.5
4 1	11 21.73	+ 2 24.5	1.510	2.468	8.4	19.7
4 11	11 14.53	+ 3 8.8	1.547	2.449	12.9	20.0
4 21	11 9.73	+ 3 39.2	1.605	2.430	16.7	20.1

34220 Pelagiamajoni 3 14.4 81°.44 1°.1/15.4 18

2 11	12 1.33	− 4 26.4	1.449	2.289	16.4	18.7
2 21	11 56.21	− 3 33.8	1.394	2.308	12.1	18.5
3 2	11 48.79	− 2 20.4	1.362	2.328	7.2	18.2
3 12	11 40.04	− 0 53.3	1.355	2.347	2.1	18.0
3 22	11 31.15	+ 0 38.2	1.376	2.366	3.7	18.1
4 1	11 23.35	+ 2 3.8	1.424	2.384	8.5	18.4
4 11	11 17.59	+ 3 15.3	1.496	2.403	12.9	18.7
4 21	11 14.37	+ 4 8.0	1.589	2.421	16.5	19.0

286085 2001 TJ_{18} 3 14.4 110°.19 1°.0/13.5 18

2 11	12 5.51	+ 2 27.9	1.625	2.471	14.5	21.0
2 21	11 59.01	+ 3 8.7	1.570	2.491	10.4	20.8
3 2	11 50.30	+ 4 0.5	1.539	2.510	5.8	20.6
3 12	11 40.33	+ 4 56.6	1.536	2.529	1.3	20.3
3 22	11 30.27	+ 5 49.7	1.562	2.547	4.3	20.6
4 1	11 21.28	+ 6 33.0	1.615	2.564	8.8	20.9
4 11	11 14.29	+ 7 2.0	1.693	2.581	12.7	21.2
4 21	11 9.79	+ 7 14.9	1.792	2.597	16.0	21.4

428528 2008 AJ_{89} 3 14.4 103°.61 4°.8/ 7.9 17

2 11	11 57.40	+15 41.4	2.388	3.251	9.8	20.9
2 21	11 52.75	+17 5.6	2.336	3.261	7.3	20.7
3 2	11 46.61	+18 28.6	2.311	3.270	5.2	20.6
3 12	11 39.61	+19 43.3	2.315	3.279	5.0	20.6
3 22	11 32.48	+20 43.9	2.347	3.289	6.8	20.7
4 1	11 25.97	+21 26.3	2.407	3.298	9.2	20.9
4 11	11 20.72	+21 48.9	2.491	3.306	11.6	21.1
4 21	11 17.15	+21 52.4	2.595	3.315	13.7	21.3

370494 2003 SC_{26} 3 14.4 99°.66 0°.1/14.5 18

2 11	11 59.52	− 1 15.5	2.387	3.214	11.1	21.4
2 21	11 54.14	− 0 23.4	2.330	3.241	8.0	21.3
3 2	11 47.33	+ 0 39.3	2.301	3.267	4.6	21.1
3 12	11 39.74	+ 1 47.7	2.300	3.293	0.9	20.8
3 22	11 32.11	+ 2 56.4	2.330	3.318	2.7	21.0
4 1	11 25.15	+ 3 59.7	2.390	3.342	6.2	21.3
4 11	11 19.47	+ 4 53.3	2.478	3.366	9.2	21.5
4 21	11 15.47	+ 5 34.4	2.589	3.389	11.8	21.7

421845 2014 QX_{128} 3 14.4 106°.88 0°.2/14.2 18

2 11	12 1.04	− 0 34.1	1.680	2.524	14.3	21.7
2 21	11 55.82	+ 0 19.1	1.618	2.537	10.3	21.5
3 2	11 48.52	+ 1 27.3	1.580	2.549	5.8	21.3
3 12	11 40.00	+ 2 43.6	1.569	2.562	1.1	21.0
3 22	11 31.29	+ 4 0.1	1.586	2.573	3.8	21.2
4 1	11 23.48	+ 5 8.7	1.631	2.585	8.3	21.5
4 11	11 17.45	+ 6 3.1	1.701	2.597	12.3	21.8
4 21	11 13.71	+ 6 40.1	1.792	2.608	15.6	22.0

437152 2012 VG_{31} 3 14.4 53°.32 5°.9/ 8.4 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 2.69	+20 7.3	2.159	3.017	11.0	21.1
2 21	11 56.66	+20 51.8	2.106	3.023	8.4	20.9
3 2	11 48.85	+21 30.3	2.078	3.029	6.4	20.8
3 12	11 40.05	+21 56.5	2.078	3.036	6.1	20.8
3 22	11 31.16	+22 5.6	2.106	3.042	7.7	20.9
4 1	11 23.10	+21 55.2	2.160	3.049	10.2	21.0
4 11	11 16.62	+21 25.8	2.238	3.056	12.7	21.2
4 21	11 12.16	+20 39.4	2.336	3.063	14.9	21.4

339003 2004 GQ_{45} 3 14.4 27°.83 3°.5/10.9 17

2 11	12 0.76	+11 54.0	2.117	2.976	11.1	20.6
2 21	11 55.33	+12 30.8	2.051	2.978	8.0	20.4
3 2	11 48.14	+13 8.7	2.011	2.980	4.9	20.2
3 12	11 39.92	+13 41.8	2.000	2.982	3.5	20.1
3 22	11 31.53	+14 5.0	2.017	2.984	5.6	20.2
4 1	11 23.85	+14 14.6	2.061	2.986	8.7	20.4
4 11	11 17.64	+14 8.7	2.131	2.989	11.8	20.6
4 21	11 13.38	+13 47.7	2.222	2.991	14.4	20.8

212357 2006 DJ_{116} 3 14.4 219°.51 1°.0/13.5 18

2 11	12 0.83	+ 1 0.6	1.722	2.570	13.8	20.5
2 21	11 55.83	+ 2 3.2	1.642	2.564	10.0	20.3
3 2	11 48.65	+ 3 20.8	1.586	2.557	5.6	20.0
3 12	11 40.05	+ 4 46.7	1.557	2.550	1.2	19.7
3 22	11 31.06	+ 6 12.1	1.557	2.543	4.3	19.9
4 1	11 22.78	+ 7 28.5	1.585	2.535	8.9	20.1
4 11	11 16.21	+ 8 28.9	1.638	2.526	13.1	20.3
4 21	11 11.98	+ 9 9.8	1.712	2.517	16.6	20.6

419165 2009 SA_{361} 3 14.4 142°.89 4°.5/19.8 18

2 11	11 59.51	−15 8.8	2.257	3.024	13.6	21.7
2 21	11 54.40	−14 49.5	2.176	3.034	11.0	21.5
3 2	11 47.62	−14 8.9	2.119	3.044	8.0	21.3
3 12	11 39.83	−13 8.7	2.087	3.053	5.4	21.2
3 22	11 31.82	−11 53.1	2.085	3.061	4.5	21.1
4 1	11 24.45	−10 28.4	2.111	3.069	6.4	21.2
4 11	11 18.44	− 9 2.3	2.166	3.076	9.3	21.4
4 21	11 14.28	− 7 41.3	2.245	3.083	12.1	21.6

16390 1981 EG_{39} 3 14.4 187°.57 0°.2/14.6 18

2 11	11 58.44	+ 0 3.9	2.849	3.675	9.6	19.9
2 21	11 53.32	+ 0 27.4	2.765	3.675	7.0	19.8
3 2	11 46.90	+ 0 58.9	2.707	3.674	4.0	19.6
3 12	11 39.68	+ 1 35.5	2.680	3.672	0.9	19.3
3 22	11 32.28	+ 2 13.5	2.682	3.670	2.4	19.4
4 1	11 25.32	+ 2 49.0	2.716	3.668	5.5	19.6
4 11	11 19.38	+ 3 18.7	2.777	3.666	8.3	19.8
4 21	11 14.87	+ 3 40.1	2.862	3.663	10.8	20.0

465946 2011 AL_{68} 3 14.4 72°.68 2°.3/12.1 18

2 11	12 0.79	+ 5 13.9	1.694	2.553	13.4	21.1
2 21	11 55.50	+ 6 22.6	1.649	2.577	9.5	20.9
3 2	11 48.25	+ 7 39.4	1.628	2.601	5.3	20.7
3 12	11 39.94	+ 8 55.9	1.634	2.624	2.3	20.5
3 22	11 31.58	+10 4.3	1.669	2.648	5.1	20.8
4 1	11 24.21	+10 57.9	1.731	2.671	9.0	21.0
4 11	11 18.61	+11 33.1	1.817	2.694	12.6	21.3
4 21	11 15.23	+11 48.9	1.924	2.717	15.5	21.5

425506 2010 HB_{41} 3 14.4 276°.44 6°.3/19.5 17

2 11	12 1.23	−14 43.5	1.651	2.439	17.0	21.1
2 21	11 56.54	−14 59.4	1.547	2.416	14.0	20.9
3 2	11 49.31	−14 49.4	1.464	2.394	10.5	20.6
3 12	11 40.23	−14 12.3	1.405	2.370	7.3	20.3
3 22	11 30.37	−13 10.3	1.371	2.347	6.4	20.2
4 1	11 21.03	−11 50.1	1.364	2.323	9.0	20.3
4 11	11 13.45	−10 21.8	1.381	2.299	13.0	20.5
4 21	11 8.49	− 8 56.0	1.420	2.275	16.9	20.6

321578 2009 TT_{36} 3 14.4 242°.94 0°.3/14.7 17

2 11	11 58.61	− 2 56.9	2.122	2.951	12.3	20.9
2 21	11 53.96	− 1 52.5	2.026	2.936	9.1	20.7
3 2	11 47.50	− 0 31.3	1.954	2.920	5.3	20.4
3 12	11 39.84	+ 1 1.6	1.912	2.904	1.2	20.1
3 22	11 31.78	+ 2 39.3	1.899	2.887	3.1	20.2
4 1	11 24.22	+ 4 13.8	1.916	2.870	7.3	20.4
4 11	11 17.99	+ 5 37.6	1.960	2.852	11.1	20.6
4 21	11 13.65	+ 6 45.9	2.027	2.834	14.4	20.8

99229 2001 HK_{63} 3 14.4 240°.63 0°.5/13.8 18

2 11	11 59.81	+ 2 14.1	2.913	3.743	9.3	20.6
2 21	11 54.39	+ 2 45.9	2.810	3.723	6.7	20.4
3 2	11 47.57	+ 3 25.2	2.734	3.702	3.8	20.2
3 12	11 39.84	+ 4 8.5	2.688	3.681	0.8	19.9
3 22	11 31.80	+ 4 52.0	2.674	3.659	2.7	20.0
4 1	11 24.11	+ 5 31.7	2.690	3.636	5.9	20.2
4 11	11 17.40	+ 6 3.9	2.734	3.613	8.8	20.4
4 21	11 12.12	+ 6 26.4	2.803	3.589	11.3	20.5

324459 2006 UZ_9 3 14.4 100°.54 0°.9/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 1.44	+ 1 50.5	1.774	2.621	13.5	21.4
2 21	11 56.00	+ 2 39.4	1.715	2.637	9.7	21.2
3 2	11 48.58	+ 3 39.7	1.680	2.652	5.4	21.0
3 12	11 40.02	+ 4 44.9	1.674	2.666	1.1	20.7
3 22	11 31.33	+ 5 47.8	1.695	2.681	4.0	21.0
4 1	11 23.51	+ 6 41.5	1.745	2.695	8.2	21.2
4 11	11 17.41	+ 7 21.2	1.820	2.709	12.0	21.5
4 21	11 13.52	+ 7 44.5	1.916	2.722	15.1	21.7

91787 1999 TZ_{219} 3 14.4 304°.23 1°.0/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.53	− 1 10.8	2.274	3.103	11.6	18.7
2 21	11 55.19	− 1 15.3	2.184	3.093	8.6	18.4
3 2	11 48.13	− 1 10.0	2.119	3.083	5.2	18.2
3 12	11 39.96	− 0 57.5	2.082	3.073	1.6	17.9
3 22	11 31.46	− 0 41.1	2.075	3.064	2.8	18.0
4 1	11 23.48	− 0 24.7	2.096	3.054	6.4	18.2
4 11	11 16.79	− 0 12.1	2.145	3.045	9.9	18.4
4 21	11 11.93	− 0 6.3	2.216	3.036	12.9	18.6

412087 2013 FE_{17} 3 14.4 267°.18 4°.5/10.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.14	+ 9 54.7	1.571	2.440	13.7	21.2
2 21	11 56.30	+11 12.9	1.495	2.427	9.9	20.9
3 2	11 49.02	+12 38.4	1.444	2.415	6.1	20.7
3 12	11 40.16	+14 1.6	1.419	2.402	4.5	20.6
3 22	11 30.82	+15 12.3	1.422	2.389	7.4	20.7
4 1	11 22.28	+16 2.7	1.450	2.376	11.6	20.9
4 11	11 15.63	+16 28.3	1.501	2.363	15.6	21.1
4 21	11 11.55	+16 29.0	1.570	2.350	19.0	21.3

87443 2000 QL_{111} 3 14.4 280°.19 0°.1/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.97	+ 0 30.3	1.856	2.696	13.3	20.1
2 21	11 56.70	+ 0 48.0	1.756	2.673	9.8	19.8
3 2	11 49.22	+ 1 17.9	1.682	2.650	5.7	19.5
3 12	11 40.21	+ 1 56.2	1.634	2.626	1.2	19.1
3 22	11 30.61	+ 2 37.3	1.614	2.603	3.6	19.3
4 1	11 21.54	+ 3 15.2	1.623	2.579	8.2	19.5
4 11	11 14.03	+ 3 44.1	1.657	2.554	12.4	19.7
4 21	11 8.79	+ 4 0.4	1.713	2.530	16.1	19.9

72105 2000 YO_{53} 3 14.4 330°.28 1°.5/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.66	− 2 42.0	1.327	2.180	16.8	18.9
2 21	11 55.54	− 2 30.5	1.249	2.170	12.6	18.6
3 2	11 48.73	− 1 59.7	1.193	2.160	7.6	18.3
3 12	11 40.12	− 1 13.6	1.160	2.152	2.5	18.0
3 22	11 30.95	− 0 19.4	1.153	2.143	4.0	18.0
4 1	11 22.65	+ 0 34.0	1.171	2.136	9.4	18.3
4 11	11 16.47	+ 1 18.1	1.212	2.129	14.4	18.6
4 21	11 13.14	+ 1 47.0	1.272	2.123	18.7	18.8

232323 2002 TA_{138} 3 14.4 167°.63 4°.0/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.42	−10 38.7	1.749	2.547	15.8	20.7
2 21	11 58.40	−10 32.3	1.670	2.553	12.4	20.5
3 2	11 50.10	−10 3.5	1.613	2.557	8.5	20.3
3 12	11 40.36	− 9 14.4	1.582	2.561	5.0	20.1
3 22	11 30.25	− 8 9.8	1.580	2.563	4.5	20.0
4 1	11 20.96	− 6 57.5	1.605	2.565	7.8	20.2
4 11	11 13.49	− 5 46.0	1.656	2.567	11.7	20.5
4 21	11 8.46	− 4 42.6	1.730	2.567	15.2	20.7

8614 1978 VP_{11} 3 14.4 179°.37 1°.1/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.64	+ 4 28.5	2.921	3.761	9.0	18.8
2 21	11 52.72	+ 5 8.9	2.843	3.762	6.4	18.6
3 2	11 46.55	+ 5 55.0	2.793	3.763	3.5	18.4
3 12	11 39.64	+ 6 42.9	2.772	3.763	1.1	18.3
3 22	11 32.56	+ 7 28.5	2.782	3.763	3.0	18.4
4 1	11 25.93	+ 8 8.0	2.822	3.763	5.9	18.6
4 11	11 20.29	+ 8 38.3	2.889	3.762	8.6	18.8
4 21	11 16.03	+ 8 57.8	2.981	3.761	10.9	18.9

264521 2001 RB_{13} 3 14.4 150°.51 0°.9/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.55	− 2 52.9	2.334	3.153	11.6	22.2
2 21	11 55.75	− 2 23.5	2.260	3.164	8.6	22.1
3 2	11 48.35	− 1 41.9	2.211	3.174	5.1	21.9
3 12	11 40.00	− 0 51.9	2.192	3.183	1.6	21.6
3 22	11 31.47	+ 0 1.7	2.203	3.191	2.7	21.7
4 1	11 23.57	+ 0 53.5	2.243	3.199	6.2	22.0
4 11	11 17.00	+ 1 38.9	2.312	3.206	9.5	22.2
4 21	11 12.22	+ 2 14.3	2.404	3.213	12.3	22.4

120403 2005 RE_{24} 3 14.4 175°.15 0°.7/13.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.32	+ 3 35.7	2.252	3.087	11.4	20.3
2 21	11 57.83	+ 3 52.3	2.174	3.090	8.2	20.1
3 2	11 49.57	+ 4 15.9	2.123	3.092	4.6	19.9
3 12	11 40.24	+ 4 42.3	2.101	3.093	1.0	19.6
3 22	11 30.68	+ 5 7.4	2.109	3.094	3.4	19.8
4 1	11 21.79	+ 5 26.9	2.147	3.095	7.1	20.0
4 11	11 14.32	+ 5 37.6	2.212	3.094	10.4	20.2
4 21	11 8.80	+ 5 37.8	2.301	3.094	13.3	20.4

370823 2004 UB_3 3 14.4 133°.52 3°.5/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 0.75	+12 10.6	2.507	3.360	9.8	21.4
2 21	11 55.04	+13 17.6	2.453	3.376	7.0	21.2
3 2	11 47.88	+14 25.3	2.426	3.392	4.5	21.1
3 12	11 39.89	+15 27.8	2.429	3.407	3.6	21.0
3 22	11 31.82	+16 19.8	2.463	3.421	5.4	21.2
4 1	11 24.40	+16 57.4	2.525	3.434	8.1	21.4
4 11	11 18.25	+17 18.8	2.613	3.447	10.6	21.5
4 21	11 13.78	+17 23.9	2.722	3.459	12.8	21.7

299914 2006 SW_{404} 3 14.4 219°.53 0°.3/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 56.95	− 1 18.0	2.689	3.516	10.0	21.5
2 21	11 52.37	− 0 39.7	2.599	3.509	7.4	21.3
3 2	11 46.43	+ 0 9.0	2.537	3.502	4.3	21.1
3 12	11 39.63	+ 1 4.4	2.503	3.495	1.0	20.9
3 22	11 32.60	+ 2 2.2	2.499	3.488	2.5	21.0
4 1	11 26.00	+ 2 57.6	2.526	3.480	5.8	21.2
4 11	11 20.44	+ 3 46.2	2.580	3.472	8.8	21.4
4 21	11 16.36	+ 4 24.8	2.658	3.464	11.4	21.5

361703 2007 VO_{202} 3 14.4 235°.63 0°.5/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.01	− 0 50.2	1.778	2.613	14.0	22.1
2 21	11 58.18	− 0 29.7	1.688	2.602	10.4	21.9
3 2	11 50.05	+ 0 5.0	1.622	2.589	6.1	21.6
3 12	11 40.38	+ 0 49.4	1.583	2.576	1.5	21.2
3 22	11 30.19	+ 1 37.9	1.573	2.562	3.5	21.4
4 1	11 20.66	+ 2 23.7	1.591	2.548	8.3	21.6
4 11	11 12.84	+ 3 0.6	1.635	2.533	12.6	21.8
4 21	11 7.43	+ 3 24.5	1.700	2.517	16.3	22.0

111472 2001 YO_9 3 14.4 201°.59 6°.1/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.69	+23 39.6	2.740	3.591	9.1	20.1
2 21	11 54.34	+24 48.9	2.681	3.588	7.3	19.9
3 2	11 47.53	+25 52.0	2.650	3.584	6.2	19.9
3 12	11 39.84	+26 42.6	2.647	3.580	6.4	19.9
3 22	11 31.99	+27 16.5	2.672	3.576	7.8	20.0
4 1	11 24.70	+27 30.8	2.723	3.572	9.7	20.1
4 11	11 18.62	+27 25.4	2.798	3.567	11.7	20.2
4 21	11 14.18	+27 1.8	2.892	3.562	13.4	20.3

112130 2002 JF_{49} 3 14.4 291°.90 1°.5/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.58	− 2 48.1	1.502	2.345	15.7	20.1
2 21	11 56.83	− 2 38.9	1.411	2.326	11.9	19.8
3 2	11 49.48	− 2 11.8	1.341	2.307	7.3	19.5
3 12	11 40.30	− 1 30.4	1.297	2.288	2.4	19.1
3 22	11 30.43	− 0 40.6	1.280	2.269	3.9	19.2
4 1	11 21.23	+ 0 9.8	1.288	2.251	9.0	19.4
4 11	11 13.95	+ 0 52.8	1.321	2.232	13.9	19.6
4 21	11 9.38	+ 1 22.6	1.373	2.214	18.2	19.9

173853 2001 TY_{154} 3 14.4 119°.05 4°.4/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.67	+15 53.4	2.465	3.323	9.8	20.3
2 21	11 54.33	+16 52.8	2.411	3.333	7.2	20.2
3 2	11 47.50	+17 50.3	2.384	3.344	5.0	20.0
3 12	11 39.84	+18 39.9	2.386	3.354	4.6	20.0
3 22	11 32.07	+19 16.7	2.417	3.364	6.2	20.1
4 1	11 24.96	+19 37.6	2.475	3.373	8.7	20.3
4 11	11 19.13	+19 41.4	2.558	3.383	11.1	20.5
4 21	11 14.99	+19 28.7	2.662	3.392	13.2	20.6

229884 2009 UL_{82} 3 14.4 133°.63 5°.4/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.53	+16 51.2	2.002	2.861	11.6	20.5
2 21	11 57.40	+17 47.3	1.946	2.868	8.7	20.3
3 2	11 49.36	+18 40.4	1.915	2.874	6.1	20.2
3 12	11 40.22	+19 23.0	1.913	2.880	5.5	20.2
3 22	11 30.94	+19 49.5	1.939	2.886	7.5	20.3
4 1	11 22.52	+19 56.3	1.991	2.892	10.3	20.5
4 11	11 15.77	+19 42.9	2.067	2.897	13.2	20.7
4 21	11 11.18	+19 11.0	2.163	2.902	15.6	20.8

397831 2008 SH_{160} 3 14.4 155°.41 1°.7/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.07	+ 5 10.6	1.899	2.741	12.9	22.1
2 21	12 0.02	+ 5 46.2	1.832	2.751	9.3	21.9
3 2	11 50.89	+ 6 29.1	1.790	2.761	5.2	21.7
3 12	11 40.53	+ 7 13.4	1.778	2.769	1.7	21.5
3 22	11 29.97	+ 7 53.0	1.795	2.776	4.4	21.7
4 1	11 20.30	+ 8 22.7	1.841	2.783	8.4	21.9
4 11	11 12.41	+ 8 38.9	1.913	2.788	12.1	22.2
4 21	11 6.83	+ 8 40.5	2.007	2.793	15.2	22.4

243712 2000 FR_6 3 14.4 316°.91 2°.1/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.19	− 5 42.4	1.260	2.109	17.8	20.3
2 21	11 54.61	− 5 10.2	1.181	2.098	13.5	20.1
3 2	11 48.29	− 4 11.5	1.122	2.087	8.5	19.7
3 12	11 40.09	− 2 50.9	1.087	2.077	3.2	19.4
3 22	11 31.28	− 1 17.6	1.077	2.068	4.1	19.4
4 1	11 23.34	+ 0 16.5	1.092	2.059	9.7	19.7
4 11	11 17.58	+ 1 39.4	1.129	2.050	14.9	20.0
4 21	11 14.74	+ 2 43.2	1.186	2.042	19.4	20.2

270544 2002 GO_{134} 3 14.4 24°.69 3°.8/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 56.57	−11 40.6	1.739	2.546	15.5	20.2
2 21	11 52.71	−11 7.6	1.662	2.549	12.2	20.0
3 2	11 46.85	−10 9.7	1.607	2.553	8.4	19.7
3 12	11 39.76	− 8 50.0	1.577	2.556	4.8	19.5
3 22	11 32.37	− 7 15.3	1.574	2.560	4.1	19.5
4 1	11 25.72	− 5 34.5	1.599	2.564	7.3	19.7
4 11	11 20.68	− 3 57.4	1.650	2.569	11.1	19.9
4 21	11 17.81	− 2 31.9	1.723	2.574	14.6	20.2

462195 2007 UY_{131} 3 14.4 168°.80 2°.9/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.11	+ 8 6.5	1.806	2.661	12.9	22.2
2 21	11 58.03	+ 8 56.6	1.738	2.664	9.2	21.9
3 2	11 49.83	+ 9 52.5	1.696	2.667	5.3	21.7
3 12	11 40.34	+10 46.8	1.682	2.670	3.0	21.6
3 22	11 30.60	+11 32.6	1.697	2.672	5.5	21.7
4 1	11 21.71	+12 4.3	1.739	2.673	9.4	22.0
4 11	11 14.60	+12 18.6	1.805	2.674	13.1	22.2
4 21	11 9.80	+12 15.0	1.893	2.674	16.1	22.4

210985 2001 WE_{42} 3 14.4 49°.57 4°.9/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.86	+15 49.2	2.148	3.011	10.8	20.2
2 21	11 54.68	+16 45.0	2.090	3.015	8.0	20.1
3 2	11 47.80	+17 38.9	2.058	3.020	5.5	19.9
3 12	11 39.93	+18 24.3	2.054	3.024	5.0	19.9
3 22	11 31.91	+18 55.7	2.079	3.029	6.8	20.0
4 1	11 24.62	+19 9.5	2.129	3.034	9.6	20.2
4 11	11 18.78	+19 4.6	2.204	3.038	12.3	20.4
4 21	11 14.86	+18 42.0	2.299	3.043	14.7	20.5

423202 2004 PX_{76} 3 14.4 179°.23 4°.1/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.67	−13 57.7	2.691	3.450	11.9	21.9
2 21	11 55.81	−14 3.5	2.599	3.452	9.6	21.7
3 2	11 48.42	−13 52.8	2.532	3.454	7.0	21.5
3 12	11 40.07	−13 26.5	2.492	3.454	4.8	21.4
3 22	11 31.45	−12 46.9	2.482	3.454	4.2	21.3
4 1	11 23.31	−11 58.1	2.501	3.453	5.9	21.4
4 11	11 16.34	−11 5.4	2.549	3.452	8.4	21.6
4 21	11 11.00	−10 13.7	2.622	3.450	10.9	21.8

318361 2004 TZ_{355} 3 14.4 137°.39 5°.3/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.29	+16 1.3	2.039	2.902	11.3	20.5
2 21	11 55.79	+17 11.7	1.983	2.908	8.4	20.3
3 2	11 48.47	+18 20.2	1.953	2.913	5.9	20.1
3 12	11 40.07	+19 19.3	1.951	2.918	5.5	20.1
3 22	11 31.51	+20 2.6	1.977	2.923	7.4	20.2
4 1	11 23.73	+20 25.9	2.029	2.928	10.3	20.4
4 11	11 17.51	+20 28.0	2.105	2.933	13.1	20.6
4 21	11 13.34	+20 10.4	2.201	2.937	15.5	20.8

204625 2005 RH_{34} 3 14.4 111°.53 10°.8/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.76	+21 43.2	1.207	2.081	16.6	20.2
2 21	12 2.04	+24 15.2	1.181	2.102	13.1	20.0
3 2	11 52.27	+26 34.5	1.179	2.122	11.0	20.0
3 12	11 40.81	+28 24.0	1.201	2.142	11.4	20.1
3 22	11 29.38	+29 32.7	1.247	2.161	13.9	20.2
4 1	11 19.62	+29 57.6	1.315	2.179	17.1	20.5
4 11	11 12.70	+29 42.8	1.401	2.196	20.0	20.7
4 21	11 9.08	+28 56.1	1.501	2.212	22.5	21.0

465170 2007 EW_{52} 3 14.4 65°.71 1°.1/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.80	− 0 40.0	1.622	2.457	15.2	21.1
2 21	12 0.59	− 0 51.0	1.574	2.485	11.1	21.0
3 2	11 51.18	− 0 49.6	1.549	2.514	6.5	20.7
3 12	11 40.59	− 0 39.5	1.551	2.542	1.9	20.5
3 22	11 30.01	− 0 25.3	1.581	2.570	3.4	20.7
4 1	11 20.61	− 0 11.9	1.640	2.598	7.9	21.0
4 11	11 13.28	− 0 3.9	1.724	2.626	11.8	21.3
4 21	11 8.50	− 0 4.1	1.830	2.654	15.0	21.6

364457 2007 AK_{8} 3 14.4 199°.99 5°.7/ 7.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.36	+16 27.6	2.137	2.999	10.9	21.1
2 21	11 55.19	+18 8.9	2.073	2.996	8.2	20.9
3 2	11 48.18	+19 49.8	2.036	2.992	6.0	20.8
3 12	11 40.03	+21 21.5	2.028	2.988	6.0	20.8
3 22	11 31.61	+22 36.2	2.048	2.983	8.0	20.9
4 1	11 23.84	+23 28.6	2.096	2.978	10.8	21.1
4 11	11 17.52	+23 56.8	2.166	2.972	13.5	21.2
4 21	11 13.19	+24 1.8	2.255	2.965	15.8	21.4

426726 2013 TQ_{52} 3 14.4 277°.07 1°.8/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.92	+ 6 37.2	1.861	2.711	12.8	20.6
2 21	11 58.76	+ 6 48.6	1.772	2.695	9.3	20.3
3 2	11 50.37	+ 7 5.4	1.709	2.680	5.3	20.0
3 12	11 40.49	+ 7 22.9	1.674	2.665	1.8	19.8
3 22	11 30.15	+ 7 35.8	1.667	2.649	4.5	19.9
4 1	11 20.48	+ 7 39.8	1.688	2.634	8.8	20.1
4 11	11 12.50	+ 7 31.6	1.735	2.618	12.7	20.3
4 21	11 6.87	+ 7 10.1	1.803	2.603	16.2	20.5

201480 2003 GF_{54} 3 14.4 191°.67 3°.9/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.17	+ 9 37.9	1.757	2.617	12.9	20.4
2 21	11 57.47	+10 52.2	1.688	2.616	9.3	20.1
3 2	11 49.58	+12 12.3	1.645	2.614	5.6	19.9
3 12	11 40.32	+13 29.4	1.629	2.612	4.0	19.8
3 22	11 30.75	+14 34.9	1.642	2.609	6.6	20.0
4 1	11 21.99	+15 22.2	1.682	2.606	10.4	20.2
4 11	11 15.02	+15 47.8	1.745	2.602	14.0	20.4
4 21	11 10.42	+15 51.5	1.829	2.597	17.1	20.6

468226 2015 BS_{143} 3 14.4 131°.92 2°.4/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.87	+ 7 26.6	2.062	2.916	11.6	21.7
2 21	11 55.46	+ 8 11.5	1.996	2.921	8.3	21.5
3 2	11 48.28	+ 9 1.7	1.956	2.927	4.7	21.3
3 12	11 40.05	+ 9 51.2	1.944	2.932	2.4	21.1
3 22	11 31.64	+10 34.1	1.961	2.937	4.7	21.3
4 1	11 23.94	+11 5.5	2.006	2.942	8.2	21.5
4 11	11 17.73	+11 22.4	2.077	2.947	11.5	21.7
4 21	11 13.49	+11 23.9	2.169	2.952	14.3	21.9

163418 2002 RS_{47} 3 14.4 155°.11 1°.9/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.70	+ 5 22.0	2.421	3.270	10.3	20.5
2 21	11 52.99	+ 6 29.9	2.352	3.276	7.3	20.3
3 2	11 46.81	+ 7 44.8	2.309	3.280	4.1	20.1
3 12	11 39.76	+ 9 0.8	2.295	3.285	1.9	19.9
3 22	11 32.54	+10 12.0	2.312	3.289	4.1	20.1
4 1	11 25.86	+11 12.9	2.358	3.293	7.3	20.3
4 11	11 20.39	+11 59.8	2.431	3.296	10.2	20.5
4 21	11 16.54	+12 30.9	2.525	3.300	12.7	20.7

200842 2001 XR_{264} 3 14.4 329°.12 4°.5/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.59	+ 8 57.8	1.262	2.141	15.7	19.6
2 21	11 56.28	+10 7.6	1.196	2.134	11.3	19.3
3 2	11 49.18	+11 26.1	1.153	2.127	6.8	19.1
3 12	11 40.28	+12 42.5	1.135	2.121	4.6	18.9
3 22	11 30.92	+13 45.4	1.141	2.115	7.8	19.1
4 1	11 22.59	+14 26.0	1.172	2.110	12.6	19.3
4 11	11 16.54	+14 40.0	1.223	2.105	17.0	19.6
4 21	11 13.45	+14 27.7	1.291	2.101	20.8	19.8

22260 Ur 3 14.4 169°.16 1°.1/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.27	+ 3 50.2	2.188	3.030	11.5	19.1
2 21	11 56.42	+ 4 21.5	2.114	3.033	8.3	18.9
3 2	11 48.82	+ 5 0.4	2.066	3.036	4.6	18.7
3 12	11 40.17	+ 5 42.1	2.046	3.039	1.2	18.4
3 22	11 31.30	+ 6 21.5	2.057	3.041	3.6	18.6
4 1	11 23.09	+ 6 53.9	2.096	3.042	7.3	18.9
4 11	11 16.30	+ 7 15.5	2.162	3.043	10.7	19.1
4 21	11 11.43	+ 7 24.6	2.251	3.044	13.5	19.3

357560 2004 TQ_{43} 3 14.4 172°.48 0°.8/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 4.93	+ 2 35.3	1.660	2.507	14.3	20.9
2 21	11 58.82	+ 3 1.9	1.588	2.509	10.3	20.7
3 2	11 50.38	+ 3 39.5	1.540	2.511	5.8	20.4
3 12	11 40.49	+ 4 22.5	1.519	2.512	1.2	20.1
3 22	11 30.28	+ 5 4.2	1.527	2.513	4.1	20.3
4 1	11 20.96	+ 5 38.3	1.562	2.514	8.8	20.6
4 11	11 13.54	+ 5 59.9	1.622	2.514	13.0	20.8
4 21	11 8.63	+ 6 6.6	1.703	2.513	16.5	21.0

267501 2002 JV_{127} 3 14.4 272°.55 0°.4/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.50	− 0 4.2	1.987	2.831	12.4	20.5
2 21	11 53.25	+ 0 53.5	1.900	2.819	9.0	20.3
3 2	11 47.15	+ 2 5.4	1.837	2.807	5.1	20.0
3 12	11 39.86	+ 3 26.1	1.802	2.795	1.0	19.7
3 22	11 32.20	+ 4 48.3	1.796	2.783	3.6	19.8
4 1	11 25.11	+ 6 4.4	1.818	2.771	7.7	20.1
4 11	11 19.40	+ 7 8.1	1.867	2.758	11.6	20.3
4 21	11 15.66	+ 7 55.4	1.937	2.746	14.8	20.5

300642 2007 UQ_{60} 3 14.4 357°.64 3°.2/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 56.97	−10 8.8	2.124	2.926	13.3	20.2
2 21	11 52.73	− 9 51.7	2.041	2.926	10.4	20.0
3 2	11 46.78	− 9 15.8	1.980	2.925	7.1	19.8
3 12	11 39.78	− 8 23.5	1.946	2.925	4.1	19.6
3 22	11 32.50	− 7 19.4	1.940	2.925	3.6	19.6
4 1	11 25.80	− 6 9.5	1.962	2.925	6.4	19.8
4 11	11 20.43	− 5 0.9	2.011	2.925	9.7	20.0
4 21	11 16.90	− 3 59.2	2.084	2.925	12.8	20.2

497548 2006 DP_{28} 3 14.4 321°.67 1°.5/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.61	+ 3 9.7	1.193	2.066	16.8	20.8
2 21	11 55.86	+ 3 40.9	1.113	2.047	12.3	20.4
3 2	11 49.13	+ 4 27.8	1.054	2.029	7.0	20.1
3 12	11 40.31	+ 5 23.1	1.019	2.011	1.7	19.7
3 22	11 30.75	+ 6 17.2	1.008	1.995	5.5	19.9
4 1	11 22.07	+ 7 0.3	1.020	1.979	11.4	20.1
4 11	11 15.69	+ 7 24.8	1.054	1.964	16.8	20.4
4 21	11 12.47	+ 7 27.3	1.105	1.950	21.3	20.6

375018 2007 GN_{40} 3 14.4 228.°88 5.°4/ 9.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.09	+16 42.0	1.994	2.854	11.6	20.5
2 21	11 57.21	+17 36.2	1.927	2.850	8.7	20.3
3 2	11 49.35	+18 28.0	1.887	2.846	6.1	20.1
3 12	11 40.29	+19 10.0	1.874	2.842	5.6	20.1
3 22	11 30.98	+19 36.1	1.889	2.838	7.5	20.2
4 1	11 22.46	+19 42.5	1.931	2.833	10.5	20.4
4 11	11 15.58	+19 28.3	1.996	2.829	13.5	20.5
4 21	11 10.88	+18 55.0	2.081	2.824	16.0	20.7

164091 2003 WY_{134} 3 14.4 144.°31 4.°2/19.3 18

2 11	11 58.75	−13 25.1	2.282	3.059	13.2	20.5
2 21	11 53.92	−13 20.5	2.198	3.063	10.6	20.3
3 2	11 47.43	−12 56.7	2.138	3.068	7.7	20.1
3 12	11 39.91	−12 15.1	2.103	3.071	5.1	20.0
3 22	11 32.15	−11 19.3	2.098	3.075	4.4	19.9
4 1	11 24.95	−10 14.6	2.120	3.079	6.4	20.1
4 11	11 19.07	− 9 7.5	2.170	3.082	9.2	20.2
4 21	11 14.97	− 8 4.2	2.245	3.085	12.0	20.4

189611 2000 YE_{49} 3 14.4 105.°14 3.°3/17.8 18 R

2 11	12 1.17	− 9 16.6	2.081	2.880	13.6	20.2
2 21	11 55.68	− 9 12.5	2.010	2.895	10.5	20.0
3 2	11 48.42	− 8 50.9	1.963	2.909	7.1	19.8
3 12	11 40.10	− 8 14.2	1.943	2.923	4.0	19.6
3 22	11 31.60	− 7 26.4	1.952	2.936	3.7	19.6
4 1	11 23.82	− 6 33.4	1.989	2.950	6.5	19.8
4 11	11 17.52	− 5 41.3	2.053	2.963	9.8	20.1
4 21	11 13.18	− 4 55.3	2.141	2.976	12.7	20.3

41439 2000 GO_{134} 3 14.4 272.°11 4.°7/10.5 18

2 11	12 3.08	+10 13.7	1.493	2.361	14.3	18.5
2 21	11 57.96	+11 25.0	1.410	2.342	10.4	18.3
3 2	11 50.16	+12 43.9	1.352	2.323	6.5	18.0
3 12	11 40.51	+14 0.7	1.319	2.303	4.7	17.8
3 22	11 30.22	+15 4.9	1.314	2.282	7.7	17.9
4 1	11 20.70	+15 48.1	1.333	2.262	12.2	18.1
4 11	11 13.20	+16 5.7	1.375	2.241	16.5	18.3
4 21	11 8.50	+15 57.6	1.435	2.220	20.2	18.5

54651 2000 SF_{327} 3 14.4 160.°05 6.°3/ 5.9 18

2 11	12 1.52	+24 58.1	2.705	3.552	9.4	19.3
2 21	11 55.64	+25 57.5	2.654	3.556	7.6	19.2
3 2	11 48.28	+26 49.1	2.630	3.560	6.4	19.1
3 12	11 40.07	+27 27.0	2.634	3.564	6.6	19.2
3 22	11 31.77	+27 47.3	2.666	3.567	7.9	19.3
4 1	11 24.11	+27 48.0	2.724	3.570	9.8	19.4
4 11	11 17.76	+27 29.3	2.805	3.572	11.7	19.5
4 21	11 13.10	+26 53.2	2.906	3.575	13.4	19.7

90092 2002 XM_{4} 3 14.4 74.°74 7.°9/23.8 18

2 11	12 0.76	−24 2.9	2.290	2.997	15.1	19.0
2 21	11 55.43	−24 41.5	2.217	3.014	13.0	18.9
3 2	11 48.32	−24 56.2	2.165	3.031	10.8	18.8
3 12	11 40.11	−24 45.7	2.136	3.047	8.9	18.7
3 22	11 31.65	−24 11.5	2.132	3.064	7.9	18.6
4 1	11 23.86	−23 17.7	2.155	3.081	8.4	18.7
4 11	11 17.51	−22 11.3	2.204	3.098	9.9	18.8
4 21	11 13.11	−20 59.6	2.276	3.114	12.0	19.0

44100 1998 FX_{117} 3 14.4 280.°13 2.°7/16.6 18

2 11	12 1.22	− 6 9.2	1.588	2.416	15.7	18.6
2 21	11 56.45	− 6 2.6	1.498	2.402	12.1	18.3
3 2	11 49.23	− 5 35.8	1.430	2.389	7.8	18.0
3 12	11 40.34	− 4 51.5	1.388	2.375	3.6	17.7
3 22	11 30.85	− 3 54.9	1.372	2.361	3.9	17.7
4 1	11 22.05	− 2 53.8	1.383	2.347	8.4	17.9
4 11	11 15.06	− 1 56.6	1.419	2.333	12.9	18.2
4 21	11 10.64	− 1 10.2	1.475	2.319	17.0	18.4

38344 1999 RS_{140} 3 14.4 186.°58 0.°4/13.9 18

2 11	11 59.41	+ 0 46.6	2.159	2.997	11.7	19.5
2 21	11 54.43	+ 1 30.4	2.080	2.997	8.5	19.3
3 2	11 47.74	+ 2 25.3	2.027	2.997	4.8	19.0
3 12	11 40.00	+ 3 26.4	2.003	2.996	0.9	18.7
3 22	11 32.01	+ 4 27.7	2.008	2.995	3.3	18.9
4 1	11 24.62	+ 5 23.3	2.042	2.993	7.1	19.2
4 11	11 18.58	+ 6 8.4	2.103	2.992	10.6	19.4
4 21	11 14.40	+ 6 39.9	2.186	2.989	13.6	19.6

231448 2007 HL_{46} 3 14.4 303.°36 5.°5/ 9.9 18

2 11	12 0.00	+10 4.1	1.238	2.120	15.7	20.3
2 21	11 56.07	+11 34.1	1.165	2.103	11.4	20.0
3 2	11 49.21	+13 14.4	1.114	2.087	7.2	19.7
3 12	11 40.36	+14 52.5	1.088	2.071	5.7	19.5
3 22	11 30.87	+16 15.0	1.087	2.055	9.1	19.7
4 1	11 22.29	+17 11.1	1.109	2.040	13.9	19.9
4 11	11 16.00	+17 35.5	1.151	2.025	18.5	20.1
4 21	11 12.80	+17 28.7	1.209	2.010	22.4	20.3

177207 2003 UQ_{105} 3 14.4 257.°70 1.°8/12.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 2.86	+ 4 33.0	1.647	2.502	13.9	21.0
2 21	11 57.50	+ 5 12.4	1.565	2.491	10.1	20.7
3 2	11 49.76	+ 6 2.4	1.506	2.479	5.7	20.4
3 12	11 40.45	+ 6 56.3	1.475	2.466	1.8	20.1
3 22	11 30.65	+ 7 46.8	1.471	2.454	4.9	20.3
4 1	11 21.60	+ 8 26.7	1.494	2.441	9.5	20.5
4 11	11 14.37	+ 8 50.8	1.541	2.429	13.8	20.8
4 21	11 9.64	+ 8 57.0	1.609	2.416	17.5	21.0

292293 2006 SC_{135} 3 14.4 49.°55 3.°4/18.0 17

2 11	11 58.97	− 9 34.5	2.262	3.059	12.7	20.2
2 21	11 54.09	− 9 38.7	2.179	3.061	9.9	20.0
3 2	11 47.55	− 9 26.8	2.120	3.063	6.9	19.8
3 12	11 39.98	− 9 0.4	2.087	3.065	4.1	19.6
3 22	11 32.14	− 8 22.7	2.084	3.067	3.7	19.6
4 1	11 24.87	− 7 38.6	2.109	3.069	6.2	19.7
4 11	11 18.89	− 6 53.7	2.160	3.071	9.3	19.9
4 21	11 14.70	− 6 12.8	2.236	3.073	12.2	20.1

135168 2001 QA_{253} 3 14.4 215.°30 0.°6/13.8 17

2 11	12 0.62	+ 3 7.9	2.375	3.214	10.8	20.2
2 21	11 55.18	+ 3 28.0	2.293	3.210	7.8	20.0
3 2	11 48.14	+ 3 55.2	2.237	3.207	4.4	19.8
3 12	11 40.10	+ 4 25.9	2.210	3.203	0.9	19.5
3 22	11 31.81	+ 4 55.8	2.213	3.198	3.1	19.7
4 1	11 24.06	+ 5 20.7	2.245	3.194	6.7	19.9
4 11	11 17.58	+ 5 37.1	2.304	3.189	9.9	20.1
4 21	11 12.85	+ 5 43.0	2.386	3.185	12.7	20.3

316854 2000 HA_{83} 3 14.4 296.°59 4.°3/10.8 17

2 11	12 2.05	+10 55.1	1.610	2.477	13.5	20.4
2 21	11 56.99	+11 46.3	1.531	2.462	9.8	20.1
3 2	11 49.50	+12 42.1	1.475	2.446	6.1	19.9
3 12	11 40.40	+13 34.1	1.447	2.430	4.3	19.7
3 22	11 30.82	+14 14.2	1.445	2.415	7.0	19.8
4 1	11 22.01	+14 36.0	1.468	2.399	11.1	20.0
4 11	11 15.07	+14 36.3	1.515	2.384	15.1	20.2
4 21	11 10.69	+14 15.3	1.581	2.369	18.5	20.4

464433 2016 BU_{33} 3 14.4 10.°85 3.°1/16.6 16

2 11	12 2.94	− 5 17.5	1.364	2.202	17.3	21.2
2 21	11 57.84	− 5 33.3	1.293	2.203	13.2	20.9
3 2	11 50.04	− 5 29.4	1.244	2.204	8.5	20.7
3 12	11 40.51	− 5 8.1	1.218	2.205	4.0	20.4
3 22	11 30.54	− 4 34.5	1.219	2.207	4.3	20.4
4 1	11 21.54	− 3 56.0	1.244	2.210	8.9	20.7
4 11	11 14.73	− 3 20.7	1.294	2.213	13.6	21.0
4 21	11 10.79	− 2 54.5	1.363	2.216	17.6	21.2

360548 2003 SQ_{313} 3 14.4 141.°58 0.°8/13.6 18

2 11	12 2.27	+ 1 19.7	2.025	2.863	12.4	21.7
2 21	11 56.49	+ 2 17.5	1.959	2.877	8.9	21.5
3 2	11 48.89	+ 3 26.4	1.919	2.889	5.0	21.2
3 12	11 40.24	+ 4 40.4	1.908	2.901	1.1	21.0
3 22	11 31.42	+ 5 52.5	1.927	2.912	3.7	21.2
4 1	11 23.36	+ 6 56.1	1.975	2.922	7.6	21.5
4 11	11 16.84	+ 7 46.3	2.050	2.932	11.1	21.7
4 21	11 12.33	+ 8 20.7	2.146	2.941	14.1	21.9

57368 2001 RP_{44} 3 14.4 97.°12 1.°9/11.8 18

2 11	11 57.98	+ 5 56.5	2.615	3.462	9.7	19.5
2 21	11 53.01	+ 7 7.7	2.564	3.487	6.8	19.4
3 2	11 46.77	+ 8 23.9	2.540	3.511	3.8	19.2
3 12	11 39.82	+ 9 39.4	2.547	3.536	1.9	19.1
3 22	11 32.81	+10 48.9	2.585	3.560	3.9	19.3
4 1	11 26.40	+11 47.7	2.652	3.583	6.7	19.5
4 11	11 21.13	+12 32.8	2.746	3.606	9.4	19.7
4 21	11 17.36	+13 3.0	2.863	3.628	11.6	19.9

258261 2001 TJ_{212} 3 14.4 94.°61 5.°5/19.9 18

2 11	12 2.58	−15 4.5	1.912	2.685	15.5	20.8
2 21	11 56.88	−15 18.1	1.844	2.704	12.6	20.6
3 2	11 49.19	−15 8.7	1.799	2.722	9.3	20.5
3 12	11 40.32	−14 37.4	1.778	2.740	6.5	20.3
3 22	11 31.24	−13 47.6	1.785	2.758	5.6	20.3
4 1	11 22.99	−12 45.7	1.820	2.775	7.5	20.5
4 11	11 16.41	−11 39.5	1.880	2.792	10.4	20.7
4 21	11 12.03	−10 36.3	1.964	2.808	13.3	20.9

303409 2004 XJ_{176} 3 14.4 130.°84 3.°4/17.4 18

2 11	12 3.29	− 8 40.1	1.714	2.525	15.6	20.8
2 21	11 57.59	− 8 32.1	1.643	2.534	12.0	20.6
3 2	11 49.69	− 8 3.4	1.594	2.544	8.0	20.4
3 12	11 40.43	− 7 16.7	1.571	2.553	4.3	20.2
3 22	11 30.89	− 6 17.4	1.575	2.562	4.0	20.2
4 1	11 22.22	− 5 13.0	1.608	2.570	7.6	20.4
4 11	11 15.36	− 4 11.5	1.666	2.578	11.5	20.7
4 21	11 10.89	− 3 19.2	1.746	2.585	15.0	20.9

196787 2003 SY_{187} 3 14.4 255°.41 0°.2/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.01	+ 1 24.5	2.008	2.844	12.6	19.9
2 21	11 57.91	+ 1 21.8	1.925	2.839	9.2	19.7
3 2	11 49.82	+ 1 27.8	1.867	2.835	5.4	19.5
3 12	11 40.46	+ 1 39.3	1.837	2.830	1.2	19.1
3 22	11 30.77	+ 1 52.5	1.837	2.825	3.2	19.3
4 1	11 21.74	+ 2 3.0	1.865	2.820	7.3	19.5
4 11	11 14.27	+ 2 7.2	1.920	2.816	11.1	19.8
4 21	11 8.93	+ 2 2.6	1.997	2.811	14.3	20.0

498903 2009 AN_{9} 3 14.4 185°.52 4°.7/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.57	−16 59.1	2.927	3.666	11.5	22.5
2 21	11 54.99	−17 10.6	2.832	3.666	9.5	22.3
3 2	11 47.99	−17 5.6	2.760	3.665	7.3	22.2
3 12	11 40.09	−16 44.4	2.715	3.663	5.4	22.0
3 22	11 31.92	−16 8.8	2.699	3.661	4.7	22.0
4 1	11 24.18	−15 22.2	2.713	3.659	5.9	22.0
4 11	11 17.48	−14 29.5	2.755	3.656	8.0	22.2
4 21	11 12.29	−13 35.7	2.823	3.652	10.2	22.3

290679 2005 UY_{342} 3 14.4 71°.47 4°.6/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.18	−13 17.8	1.780	2.570	15.9	20.2
2 21	11 55.85	−13 5.6	1.723	2.597	12.6	20.0
3 2	11 48.57	−12 29.6	1.688	2.623	8.9	19.8
3 12	11 40.19	−11 32.6	1.678	2.650	5.6	19.7
3 22	11 31.73	−10 20.3	1.696	2.677	4.8	19.7
4 1	11 24.18	− 9 0.5	1.742	2.703	7.2	19.9
4 11	11 18.38	− 7 41.9	1.813	2.729	10.5	20.1
4 21	11 14.78	− 6 31.3	1.908	2.755	13.6	20.4

501403 2013 YG_{94} 3 14.4 98°.45 2°.2/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.04	+ 7 12.4	2.342	3.194	10.5	22.2
2 21	11 53.94	+ 8 6.7	2.286	3.210	7.4	22.1
3 2	11 47.36	+ 9 5.5	2.256	3.227	4.2	21.9
3 12	11 39.95	+10 3.3	2.255	3.243	2.2	21.8
3 22	11 32.45	+10 54.7	2.284	3.259	4.3	21.9
4 1	11 25.60	+11 35.3	2.342	3.275	7.4	22.2
4 11	11 20.04	+12 2.0	2.426	3.291	10.3	22.4
4 21	11 16.17	+12 14.1	2.531	3.306	12.7	22.6

230832 2004 PB_{40} 3 14.4 173°.13 3°.7/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.02	−11 1.9	2.548	3.322	12.1	20.6
2 21	11 57.60	−11 19.6	2.459	3.326	9.6	20.4
3 2	11 49.52	−11 22.6	2.396	3.328	6.8	20.2
3 12	11 40.41	−11 11.4	2.360	3.331	4.4	20.1
3 22	11 31.01	−10 48.3	2.355	3.332	4.0	20.0
4 1	11 22.13	−10 17.1	2.380	3.333	6.1	20.2
4 11	11 14.52	− 9 42.5	2.432	3.334	8.8	20.3
4 21	11 8.67	− 9 9.1	2.510	3.333	11.4	20.5

350222 2012 SM_{54} 3 14.4 24°.50 3°.1/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 56.64	−10 34.9	2.214	3.012	12.9	20.7
2 21	11 52.45	−10 10.7	2.130	3.012	10.1	20.5
3 2	11 46.65	− 9 27.8	2.069	3.013	6.9	20.3
3 12	11 39.84	− 8 28.7	2.035	3.014	4.0	20.1
3 22	11 32.78	− 7 18.1	2.030	3.015	3.5	20.1
4 1	11 26.28	− 6 2.1	2.054	3.016	6.2	20.2
4 11	11 21.05	− 4 47.6	2.104	3.017	9.4	20.4
4 21	11 17.58	− 3 40.5	2.178	3.018	12.4	20.6

94388 2001 SH_{111} 3 14.4 76°.70 2°.9/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.65	− 5 23.5	1.390	2.221	17.4	19.1
2 21	12 0.23	− 5 31.4	1.336	2.242	13.2	18.9
3 2	11 51.23	− 5 19.4	1.304	2.263	8.3	18.6
3 12	11 40.75	− 4 50.9	1.297	2.284	3.8	18.4
3 22	11 30.13	− 4 11.9	1.316	2.305	4.1	18.5
4 1	11 20.74	− 3 30.0	1.362	2.325	8.6	18.8
4 11	11 13.66	− 2 52.7	1.432	2.346	12.9	19.1
4 21	11 9.41	− 2 25.4	1.523	2.366	16.6	19.4

173654 2001 HC_{2} 3 14.4 311°.14 3°.0/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.70	+ 7 15.2	1.398	2.268	15.0	19.3
2 21	11 57.11	+ 7 51.6	1.314	2.247	10.9	19.0
3 2	11 49.77	+ 8 36.9	1.253	2.227	6.3	18.7
3 12	11 40.53	+ 9 23.6	1.217	2.206	3.0	18.5
3 22	11 30.62	+10 3.1	1.206	2.187	6.2	18.6
4 1	11 21.49	+10 27.5	1.221	2.168	11.3	18.8
4 11	11 14.43	+10 32.1	1.257	2.149	16.0	19.0
4 21	11 10.25	+10 15.5	1.312	2.131	20.1	19.2

251606 2009 HA_{91} 3 14.4 275°.39 4°.1/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.15	+10 32.6	1.618	2.482	13.7	20.6
2 21	11 58.55	+11 19.4	1.536	2.465	10.0	20.3
3 2	11 50.44	+12 10.9	1.478	2.448	6.1	20.1
3 12	11 40.65	+12 59.1	1.446	2.431	4.1	19.9
3 22	11 30.31	+13 36.0	1.442	2.413	6.8	20.0
4 1	11 20.75	+13 55.3	1.464	2.396	11.0	20.2
4 11	11 13.09	+13 53.6	1.509	2.378	15.1	20.4
4 21	11 8.07	+13 31.2	1.573	2.360	18.7	20.6

70987 1999 XA_{29} 3 14.4 194°.61 2°.2/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 59.57	+ 6 20.3	2.136	2.989	11.3	20.0
2 21	11 54.58	+ 7 13.0	2.063	2.988	8.1	19.8
3 2	11 47.87	+ 8 12.5	2.015	2.987	4.6	19.6
3 12	11 40.10	+ 9 12.8	1.996	2.985	2.2	19.4
3 22	11 32.09	+10 7.6	2.006	2.984	4.5	19.6
4 1	11 24.70	+10 51.7	2.044	2.982	8.0	19.8
4 11	11 18.70	+11 21.2	2.108	2.980	11.3	20.0
4 21	11 14.57	+11 34.7	2.194	2.977	14.1	20.2

242647 2005 NM_{37} 3 14.4 245°.99 0°.5/13.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.81	+ 1 36.1	2.877	3.710	9.3	22.2
2 21	11 53.03	+ 2 17.0	2.777	3.691	6.7	22.0
3 2	11 46.91	+ 3 6.4	2.704	3.672	3.8	21.7
3 12	11 39.91	+ 4 0.4	2.660	3.653	0.8	21.5
3 22	11 32.63	+ 4 55.0	2.647	3.633	2.7	21.6
4 1	11 25.70	+ 5 45.6	2.665	3.613	5.9	21.8
4 11	11 19.72	+ 6 28.4	2.710	3.592	8.8	21.9
4 21	11 15.14	+ 7 0.7	2.780	3.570	11.3	22.1

265010 2003 FQ_{80} 3 14.4 8°.72 5°.0/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 54.68	+ 8 52.5	1.162	2.053	15.8	19.5
2 21	11 52.01	+10 26.2	1.112	2.055	11.3	19.2
3 2	11 46.74	+12 8.8	1.083	2.058	6.8	19.0
3 12	11 39.89	+13 47.1	1.079	2.063	5.2	18.9
3 22	11 32.77	+15 8.3	1.098	2.070	8.4	19.1
4 1	11 26.74	+16 3.1	1.141	2.078	12.9	19.3
4 11	11 22.90	+16 27.3	1.203	2.087	17.1	19.6
4 21	11 21.80	+16 21.9	1.283	2.098	20.6	19.9

458893 2011 UG_{185} 3 14.4 83°.38 2°.5/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.78	+ 4 28.0	1.463	2.325	14.9	21.0
2 21	11 56.62	+ 5 41.3	1.411	2.341	10.6	20.8
3 2	11 49.16	+ 7 5.8	1.383	2.356	5.9	20.5
3 12	11 40.35	+ 8 31.9	1.381	2.372	2.5	20.3
3 22	11 31.40	+ 9 49.7	1.407	2.387	5.6	20.6
4 1	11 23.53	+10 50.9	1.459	2.402	10.1	20.9
4 11	11 17.67	+11 30.9	1.534	2.417	14.1	21.1
4 21	11 14.36	+11 48.5	1.629	2.432	17.4	21.4

415516 2014 QA_{1} 3 14.5 237°.48 0°.9/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.50	− 2 37.8	1.879	2.706	13.7	22.2
2 21	11 57.83	− 2 9.0	1.782	2.691	10.2	22.0
3 2	11 49.95	− 1 24.2	1.710	2.674	6.2	21.7
3 12	11 40.56	− 0 27.5	1.666	2.657	1.8	21.4
3 22	11 30.62	+ 0 35.2	1.650	2.639	3.3	21.4
4 1	11 21.26	+ 1 36.8	1.663	2.620	7.9	21.7
4 11	11 13.48	+ 2 30.4	1.702	2.600	12.1	21.9
4 21	11 7.98	+ 3 11.0	1.764	2.580	15.8	22.1

27552 2000 JZ_{32} 3 14.5 126°.48 3°.9/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.39	−13 7.0	2.417	3.194	12.6	18.0
2 21	11 53.58	−12 58.0	2.336	3.202	10.0	17.8
3 2	11 47.25	−12 31.0	2.279	3.210	7.2	17.6
3 12	11 39.98	−11 47.5	2.248	3.217	4.7	17.5
3 22	11 32.50	−10 51.0	2.246	3.225	4.0	17.5
4 1	11 25.58	− 9 46.9	2.273	3.232	6.0	17.6
4 11	11 19.89	− 8 41.1	2.328	3.239	8.7	17.8
4 21	11 15.88	− 7 39.3	2.407	3.246	11.4	18.0

459976 2014 OV_{20} 3 14.5 168°.80 4°.7/ 9.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.14	+11 9.2	1.776	2.639	12.7	22.2
2 21	11 56.72	+12 45.5	1.714	2.643	9.1	22.0
3 2	11 49.20	+14 26.1	1.679	2.646	5.8	21.8
3 12	11 40.38	+16 1.3	1.671	2.649	4.8	21.7
3 22	11 31.30	+17 21.8	1.692	2.651	7.3	21.9
4 1	11 23.05	+18 20.7	1.740	2.652	10.9	22.1
4 11	11 16.54	+18 55.0	1.811	2.653	14.2	22.3
4 21	11 12.34	+19 5.2	1.901	2.654	17.1	22.5

225562 2000 TJ 3 14.5 164°.41 2°.2/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.74	+ 8 12.4	2.342	3.187	10.7	21.1
2 21	11 57.39	+ 8 43.3	2.271	3.192	7.7	21.0
3 2	11 49.39	+ 9 17.8	2.227	3.197	4.4	20.8
3 12	11 40.40	+ 9 51.0	2.213	3.201	2.2	20.6
3 22	11 31.24	+10 18.3	2.229	3.205	4.3	20.8
4 1	11 22.74	+10 35.7	2.274	3.208	7.5	21.0
4 11	11 15.63	+10 41.0	2.345	3.210	10.6	21.2
4 21	11 10.37	+10 33.6	2.440	3.212	13.2	21.3

150822 2001 RY_{142} 3 14.5 130°.77 8°.0/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.96	+24 21.4	1.948	2.803	12.1	19.5
2 21	11 58.58	+25 38.4	1.903	2.811	9.7	19.4
3 2	11 50.15	+26 45.6	1.884	2.819	8.2	19.3
3 12	11 40.55	+27 34.3	1.892	2.826	8.3	19.3
3 22	11 30.86	+27 58.5	1.925	2.834	10.1	19.4
4 1	11 22.15	+27 56.1	1.984	2.841	12.4	19.6
4 11	11 15.27	+27 28.2	2.064	2.848	14.8	19.8
4 21	11 10.72	+26 38.6	2.163	2.854	16.9	20.0

237393 1997 *LG* 3 14.5 192°.91 1°.5/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 2.30	+ 2 23.9	1.765	2.613	13.5	21.2
2 21	11 56.90	+ 3 32.3	1.689	2.611	9.7	21.0
3 2	11 49.34	+ 4 53.9	1.638	2.609	5.4	20.7
3 12	11 40.42	+ 6 21.5	1.615	2.607	1.6	20.4
3 22	11 31.15	+ 7 46.3	1.620	2.603	4.6	20.6
4 1	11 22.63	+ 9 0.0	1.654	2.599	9.0	20.9
4 11	11 15.82	+ 9 56.5	1.713	2.594	13.0	21.1
4 21	11 11.31	+10 32.9	1.793	2.589	16.4	21.3

193464 2000 XH_{12} 3 14.5 13°.61 2°.4/16.1 18

2 11	12 0.37	− 3 15.1	1.333	2.183	16.9	18.6
2 21	11 55.92	− 3 33.2	1.271	2.188	12.7	18.4
3 2	11 48.92	− 3 33.8	1.230	2.194	7.9	18.1
3 12	11 40.35	− 3 20.0	1.213	2.202	3.3	17.9
3 22	11 31.45	− 2 56.9	1.221	2.211	4.0	17.9
4 1	11 23.59	− 2 31.3	1.254	2.221	8.7	18.2
4 11	11 17.86	− 2 10.1	1.310	2.232	13.2	18.5
4 21	11 14.87	− 1 58.1	1.387	2.244	17.1	18.8

38325 1999 RD_{128} 3 14.5 180°.22 0°.4/14.0 18 R

2 11	11 59.74	+ 0 48.6	2.147	2.985	11.8	19.9
2 21	11 54.70	+ 1 30.2	2.069	2.986	8.5	19.6
3 2	11 47.95	+ 2 22.8	2.017	2.986	4.8	19.4
3 12	11 40.14	+ 3 21.4	1.994	2.987	0.9	19.1
3 22	11 32.08	+ 4 20.3	2.000	2.986	3.2	19.3
4 1	11 24.63	+ 5 13.6	2.034	2.986	7.1	19.5
4 11	11 18.55	+ 5 56.4	2.095	2.985	10.6	19.8
4 21	11 14.33	+ 6 26.0	2.179	2.984	13.6	19.9

403543 2010 HG_{17} 3 14.5 183°.78 3°.9/ 9.9 17

2 11	12 2.00	+10 50.9	2.172	3.027	11.0	21.5
2 21	11 56.34	+12 15.3	2.103	3.028	7.9	21.3
3 2	11 48.88	+13 43.6	2.061	3.028	5.0	21.1
3 12	11 40.32	+15 8.0	2.048	3.027	4.0	21.0
3 22	11 31.51	+16 21.3	2.066	3.026	6.1	21.2
4 1	11 23.35	+17 17.6	2.111	3.023	9.3	21.3
4 11	11 16.62	+17 53.9	2.182	3.020	12.3	21.5
4 21	11 11.85	+18 10.0	2.274	3.016	14.9	21.7

361750 2007 XP_{55} 3 14.5 176°.57 2°.0/12.5 18

2 11	12 1.95	+ 4 38.4	1.796	2.649	13.1	21.3
2 21	11 56.57	+ 5 39.5	1.725	2.651	9.4	21.0
3 2	11 49.12	+ 6 50.4	1.680	2.652	5.2	20.8
3 12	11 40.38	+ 8 4.1	1.662	2.653	2.1	20.6
3 22	11 31.35	+ 9 12.7	1.673	2.653	4.9	20.7
4 1	11 23.11	+10 8.9	1.711	2.653	9.0	21.0
4 11	11 16.54	+10 48.1	1.775	2.652	12.8	21.2
4 21	11 12.23	+11 8.4	1.859	2.651	16.0	21.4

375891 2009 VZ_{75} 3 14.5 224°.76 0°.4/14.9 17

2 11	12 0.51	− 1 55.0	2.433	3.255	11.1	22.3
2 21	11 55.19	− 1 17.1	2.336	3.243	8.2	22.1
3 2	11 48.23	− 0 27.0	2.265	3.229	4.8	21.8
3 12	11 40.21	+ 0 31.7	2.223	3.215	1.2	21.5
3 22	11 31.83	+ 1 34.0	2.212	3.200	2.7	21.6
4 1	11 23.91	+ 2 34.3	2.231	3.185	6.4	21.8
4 11	11 17.18	+ 3 27.4	2.277	3.169	9.8	22.0
4 21	11 12.16	+ 4 9.7	2.348	3.151	12.7	22.2

56993 2000 SA_{291} 3 14.5 291°.45 1°.6/16.1 18

2 11	11 58.47	− 4 13.5	2.247	3.069	11.9	19.6
2 21	11 53.82	− 4 2.5	2.156	3.059	9.0	19.4
3 2	11 47.48	− 3 38.3	2.089	3.049	5.6	19.2
3 12	11 40.05	− 3 3.7	2.050	3.039	2.3	18.9
3 22	11 32.30	− 2 22.6	2.040	3.029	2.8	18.9
4 1	11 25.05	− 1 40.0	2.059	3.019	6.3	19.2
4 11	11 19.05	− 1 1.1	2.104	3.010	9.8	19.3
4 21	11 14.83	− 0 30.0	2.173	3.000	12.8	19.5

394375 2007 DM_{76} 3 14.5 142°.58 0°.7/13.9 18

2 11	12 1.30	− 0 33.1	1.400	2.254	16.0	21.3
2 21	11 56.54	+ 0 33.8	1.333	2.257	11.7	21.0
3 2	11 49.27	+ 1 59.9	1.289	2.260	6.6	20.7
3 12	11 40.42	+ 3 36.9	1.271	2.263	1.2	20.4
3 22	11 31.23	+ 5 14.0	1.279	2.266	4.6	20.6
4 1	11 23.00	+ 6 40.3	1.314	2.269	9.8	20.9
4 11	11 16.85	+ 7 47.5	1.373	2.271	14.4	21.2
4 21	11 13.39	+ 8 31.9	1.451	2.274	18.3	21.4

467700 2008 WR_{93} 3 14.5 127°.58 4°.4/ 9.6 18

2 11	12 2.08	+15 9.3	2.274	3.131	10.5	21.1
2 21	11 56.22	+16 0.0	2.217	3.140	7.7	21.0
3 2	11 48.72	+16 49.1	2.187	3.149	5.2	20.8
3 12	11 40.28	+17 30.5	2.185	3.157	4.5	20.8
3 22	11 31.72	+17 59.0	2.212	3.166	6.3	20.9
4 1	11 23.89	+18 11.5	2.267	3.174	9.0	21.1
4 11	11 17.50	+18 6.9	2.347	3.181	11.7	21.3
4 21	11 12.97	+17 45.9	2.447	3.189	14.0	21.5

147314 2003 AC_{94} 3 14.5 240°.87 0°.3/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 58.46	− 0 27.9	2.481	3.312	10.7	20.3
2 21	11 53.63	− 0 5.1	2.394	3.306	7.8	20.1
3 2	11 47.29	+ 0 27.5	2.333	3.299	4.6	19.9
3 12	11 40.01	+ 1 6.6	2.301	3.293	1.1	19.7
3 22	11 32.47	+ 1 47.8	2.298	3.286	2.6	19.8
4 1	11 25.41	+ 2 26.8	2.324	3.280	6.1	20.0
4 11	11 19.51	+ 2 59.3	2.378	3.273	9.3	20.2
4 21	11 15.21	+ 3 22.5	2.455	3.266	12.0	20.3

264681 2001 YY_{111} 3 14.5 129°.51 3°.5/17.9 16

2 11	12 3.55	− 9 31.8	2.179	2.970	13.3	21.1
2 21	11 57.41	− 9 40.2	2.105	2.984	10.4	21.0
3 2	11 49.47	− 9 32.2	2.054	2.996	7.1	20.8
3 12	11 40.45	− 9 9.2	2.031	3.008	4.2	20.6
3 22	11 31.21	− 8 34.8	2.037	3.020	3.8	20.6
4 1	11 22.66	− 7 53.6	2.073	3.031	6.5	20.8
4 11	11 15.59	− 7 11.6	2.135	3.042	9.6	21.0
4 21	11 10.49	− 6 33.7	2.222	3.052	12.5	21.2

498437 2008 AH_{106} 3 14.5 110°.36 4°.6/ 8.5 17

2 11	11 58.92	+16 9.7	2.442	3.302	9.8	21.5
2 21	11 53.89	+17 17.3	2.389	3.312	7.2	21.3
3 2	11 47.38	+18 23.0	2.363	3.322	5.1	21.2
3 12	11 40.02	+19 20.5	2.366	3.332	4.8	21.2
3 22	11 32.54	+20 4.6	2.398	3.341	6.5	21.3
4 1	11 25.70	+20 31.8	2.456	3.351	8.9	21.5
4 11	11 20.13	+20 40.9	2.540	3.360	11.3	21.7
4 21	11 16.24	+20 32.7	2.643	3.369	13.4	21.8

415481 2014 OU_{195} 3 14.5 155°.07 0°.5/14.9 18

2 11	12 4.05	− 0 46.6	1.823	2.658	13.7	21.5
2 21	11 58.04	− 0 26.8	1.751	2.663	10.1	21.3
3 2	11 49.94	+ 0 5.9	1.702	2.668	5.9	21.1
3 12	11 40.56	+ 0 47.2	1.681	2.673	1.4	20.8
3 22	11 30.89	+ 1 31.2	1.689	2.677	3.3	20.9
4 1	11 22.03	+ 2 12.0	1.725	2.681	7.7	21.2
4 11	11 14.88	+ 2 44.1	1.787	2.685	11.7	21.4
4 21	11 10.02	+ 3 4.2	1.871	2.687	15.0	21.6

61320 2000 OZ_{51} 3 14.5 226°.09 1°.0/13.5 18

2 11	12 2.88	+ 1 59.2	1.939	2.780	12.8	19.4
2 21	11 57.27	+ 2 48.0	1.850	2.769	9.3	19.2
3 2	11 49.57	+ 3 49.1	1.786	2.756	5.2	18.9
3 12	11 40.50	+ 4 56.8	1.750	2.743	1.2	18.6
3 22	11 30.99	+ 6 4.0	1.744	2.729	4.0	18.8
4 1	11 22.08	+ 7 3.8	1.766	2.714	8.3	19.0
4 11	11 14.71	+ 7 50.3	1.814	2.698	12.3	19.2
4 21	11 9.52	+ 8 20.5	1.884	2.682	15.6	19.4

99488 2002 CW_{172} 3 14.5 108°.22 4°.6/10.2 18

2 11	12 2.38	+10 8.8	1.535	2.403	14.0	19.8
2 21	11 57.06	+11 37.1	1.483	2.414	10.0	19.6
3 2	11 49.43	+13 10.2	1.455	2.425	6.2	19.4
3 12	11 40.45	+14 37.7	1.454	2.436	4.7	19.4
3 22	11 31.28	+15 49.8	1.480	2.446	7.4	19.5
4 1	11 23.14	+16 39.5	1.532	2.456	11.3	19.8
4 11	11 17.00	+17 4.0	1.607	2.465	14.9	20.0
4 21	11 13.37	+17 4.3	1.701	2.475	18.0	20.3

380871 2006 BD_{275} 3 14.5 100°.59 0°.0/14.5 17

2 11	11 58.46	− 0 59.3	1.968	2.807	12.7	21.0
2 21	11 53.87	− 0 9.6	1.897	2.813	9.2	20.8
3 2	11 47.51	+ 0 53.7	1.850	2.819	5.3	20.5
3 12	11 40.06	+ 2 5.1	1.832	2.824	1.1	20.2
3 22	11 32.40	+ 3 17.8	1.842	2.830	3.2	20.4
4 1	11 25.42	+ 4 25.0	1.881	2.836	7.3	20.7
4 11	11 19.90	+ 5 20.8	1.945	2.841	11.0	20.9
4 21	11 16.32	+ 6 1.8	2.032	2.846	14.1	21.1

206288 2003 AG_{85} 3 14.5 10°.04 6°.6/ 8.0 17

2 11	11 58.74	+17 59.5	1.694	2.569	12.6	19.4
2 21	11 54.32	+19 9.6	1.643	2.571	9.5	19.3
3 2	11 47.83	+20 15.8	1.617	2.575	7.1	19.1
3 12	11 40.13	+21 8.9	1.616	2.579	6.8	19.1
3 22	11 32.25	+21 41.9	1.641	2.584	8.9	19.2
4 1	11 25.28	+21 50.8	1.690	2.590	11.9	19.4
4 11	11 20.08	+21 35.2	1.761	2.597	14.9	19.6
4 21	11 17.14	+20 57.5	1.851	2.604	17.4	19.8

219596 2001 TE_{40} 3 14.5 102°.02 6°.9/ 8.1 18

2 11	12 7.06	+21 25.4	1.943	2.797	12.2	20.0
2 21	11 59.95	+22 23.0	1.903	2.816	9.4	19.9
3 2	11 50.86	+23 12.4	1.888	2.834	7.3	19.8
3 12	11 40.71	+23 46.0	1.900	2.852	7.0	19.8
3 22	11 30.59	+23 58.5	1.940	2.869	8.8	19.9
4 1	11 21.54	+23 48.2	2.006	2.886	11.3	20.1
4 11	11 14.38	+23 16.1	2.096	2.903	13.8	20.3
4 21	11 9.53	+22 25.6	2.204	2.919	16.0	20.5

359174 2009 CK_{20} 3 14.5 303°.01 1°.9/12.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 59.15	+ 2 41.9	1.411	2.276	15.3	21.3
2 21	11 55.09	+ 3 51.5	1.337	2.268	11.0	21.0
3 2	11 48.52	+ 5 17.4	1.285	2.259	6.2	20.7
3 12	11 40.32	+ 6 50.9	1.260	2.251	2.0	20.4
3 22	11 31.63	+ 8 21.3	1.260	2.244	5.5	20.6
4 1	11 23.80	+ 9 37.9	1.286	2.236	10.5	20.9
4 11	11 17.94	+10 33.3	1.336	2.229	15.1	21.1
4 21	11 14.74	+11 4.5	1.403	2.222	19.0	21.3

425236 2009 WE_{7} 3 14.5 177°.16 4°.0/19.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.44	−13 8.6	2.651	3.414	11.9	22.7
2 21	11 56.45	−13 14.0	2.560	3.417	9.6	22.5
3 2	11 48.89	−13 3.1	2.494	3.419	7.0	22.4
3 12	11 40.35	−12 37.0	2.455	3.421	4.6	22.2
3 22	11 31.55	−11 58.1	2.446	3.421	4.1	22.2
4 1	11 23.24	−11 10.5	2.468	3.421	5.9	22.3
4 11	11 16.11	−10 19.4	2.517	3.420	8.5	22.5
4 21	11 10.65	− 9 29.9	2.592	3.418	11.0	22.6

319689 2006 TH_{100} 3 14.5 22°.37 1°.7/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.49	− 3 25.6	1.406	2.252	16.4	20.6
2 21	11 55.94	− 3 15.2	1.340	2.256	12.3	20.3
3 2	11 48.93	− 2 46.0	1.296	2.261	7.5	20.1
3 12	11 40.38	− 2 2.5	1.276	2.267	2.7	19.8
3 22	11 31.51	− 1 11.5	1.283	2.273	3.7	19.9
4 1	11 23.60	− 0 21.1	1.315	2.279	8.6	20.2
4 11	11 17.73	+ 0 20.9	1.370	2.286	13.2	20.4
4 21	11 14.50	+ 0 49.7	1.446	2.294	17.0	20.7

220095 2002 SU_{41} 3 14.5 48°.52 0°.6/14.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 10.13	+ 3 10.2	0.752	1.637	22.7	19.4
2 21	12 4.29	+ 2 59.1	0.708	1.646	16.6	19.1
3 2	11 54.18	+ 3 3.9	0.681	1.656	9.5	18.8
3 12	11 41.46	+ 3 17.2	0.674	1.667	1.8	18.4
3 22	11 28.42	+ 3 30.0	0.688	1.678	6.0	18.7
4 1	11 17.47	+ 3 33.5	0.723	1.690	13.2	19.1
4 11	11 10.29	+ 3 21.9	0.776	1.702	19.3	19.5
4 21	11 7.46	+ 2 53.7	0.845	1.714	24.2	19.8

201059 2002 EG_{73} 3 14.5 19°.49 2°.4/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.44	− 4 20.3	1.030	1.894	19.6	19.4
2 21	11 55.00	− 4 16.4	0.977	1.902	14.8	19.2
3 2	11 48.57	− 3 47.8	0.943	1.911	9.2	18.9
3 12	11 40.33	− 2 59.7	0.931	1.922	3.6	18.6
3 22	11 31.77	− 2 0.9	0.943	1.934	4.4	18.7
4 1	11 24.50	− 1 2.4	0.977	1.947	10.0	19.0
4 11	11 19.76	− 0 14.4	1.032	1.962	15.1	19.4
4 21	11 18.15	+ 0 17.0	1.106	1.977	19.5	19.7

186863 2004 HH_{18} 3 14.5 262°.84 6°.1/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.40	+18 3.0	2.023	2.881	11.6	20.0
2 21	11 58.41	+19 8.6	1.940	2.859	8.9	19.8
3 2	11 50.26	+20 12.2	1.882	2.837	6.6	19.6
3 12	11 40.67	+21 5.6	1.852	2.813	6.3	19.6
3 22	11 30.61	+21 41.8	1.849	2.790	8.3	19.6
4 1	11 21.19	+21 55.8	1.874	2.765	11.4	19.8
4 11	11 13.37	+21 46.3	1.921	2.741	14.4	19.9
4 21	11 7.80	+21 14.8	1.988	2.716	17.2	20.1

4295 Wisse 3 14.5 191°.99 0°.8/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.56	− 2 13.4	2.007	2.834	13.0	18.7
2 21	11 56.89	− 1 47.7	1.924	2.833	9.6	18.5
3 2	11 49.29	− 1 8.4	1.867	2.831	5.7	18.3
3 12	11 40.46	− 0 19.4	1.837	2.828	1.6	18.0
3 22	11 31.30	+ 0 33.9	1.836	2.825	3.1	18.1
4 1	11 22.79	+ 1 25.3	1.865	2.822	7.2	18.3
4 11	11 15.81	+ 2 9.1	1.920	2.818	11.0	18.6
4 21	11 10.89	+ 2 41.5	1.998	2.813	14.2	18.8

491635 2012 TW_{183} 3 14.5 122°.02 1°.2/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.00	− 3 37.1	2.323	3.144	11.6	22.1
2 21	11 54.05	− 3 16.8	2.246	3.150	8.6	21.9
3 2	11 47.54	− 2 44.2	2.195	3.156	5.3	21.7
3 12	11 40.09	− 2 2.4	2.172	3.162	1.9	21.5
3 22	11 32.44	− 1 15.9	2.179	3.168	2.6	21.6
4 1	11 25.37	− 0 29.7	2.214	3.173	6.1	21.8
4 11	11 19.56	+ 0 11.5	2.277	3.179	9.3	22.0
4 21	11 15.46	+ 0 44.0	2.363	3.184	12.1	22.2

224376 2005 UH_{181} 3 14.5 28°.98 3°.6/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.26	+ 9 33.7	1.704	2.569	13.0	20.6
2 21	11 56.15	+10 26.6	1.641	2.571	9.4	20.3
3 2	11 48.91	+11 24.1	1.602	2.573	5.6	20.1
3 12	11 40.38	+12 18.4	1.589	2.575	3.6	20.0
3 22	11 31.60	+13 2.3	1.604	2.577	6.1	20.2
4 1	11 23.68	+13 30.0	1.646	2.579	10.0	20.4
4 11	11 17.52	+13 38.7	1.711	2.581	13.6	20.6
4 21	11 13.69	+13 28.3	1.797	2.584	16.7	20.8

504820 2010 GW_{149} 3 14.5 248°.32 10°.3/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.87	+41 57.1	2.696	3.488	11.0	20.8
2 21	11 58.48	+43 20.6	2.656	3.477	10.4	20.7
3 2	11 50.13	+44 26.0	2.641	3.465	10.4	20.7
3 12	11 40.61	+45 6.7	2.649	3.454	11.1	20.7
3 22	11 30.90	+45 19.0	2.680	3.442	12.1	20.8
4 1	11 22.01	+45 2.1	2.731	3.430	13.4	20.8
4 11	11 14.79	+44 18.4	2.799	3.417	14.6	20.9
4 21	11 9.73	+43 12.0	2.882	3.405	15.7	21.0

189064 2000 WL_{14} 3 14.5 215°.40 5°.7/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.53	+19 10.4	2.302	3.156	10.5	20.4
2 21	11 57.42	+20 11.9	2.232	3.148	8.1	20.2
3 2	11 49.51	+21 9.6	2.190	3.141	6.1	20.1
3 12	11 40.50	+21 56.6	2.175	3.132	5.9	20.0
3 22	11 31.23	+22 27.2	2.190	3.124	7.6	20.1
4 1	11 22.63	+22 38.1	2.231	3.114	10.2	20.3
4 11	11 15.48	+22 28.5	2.296	3.105	12.7	20.4
4 21	11 10.29	+21 59.9	2.382	3.094	15.0	20.6

521166 2015 FO_{408} 3 14.5 4°.29 8°.0/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 54.90	−22 8.5	1.794	2.543	17.3	20.1
2 21	11 51.67	−22 20.0	1.712	2.543	14.8	19.9
3 2	11 46.43	−22 1.4	1.649	2.544	12.0	19.7
3 12	11 39.90	−21 12.0	1.609	2.546	9.4	19.6
3 22	11 33.02	−19 54.7	1.592	2.548	8.0	19.5
4 1	11 26.82	−18 16.4	1.601	2.551	8.8	19.6
4 11	11 22.23	−16 27.3	1.635	2.555	11.1	19.7
4 21	11 19.81	−14 37.8	1.693	2.560	14.0	19.9

377877 2006 DW_{18} 3 14.5 202°.55 2°.0/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.48	+ 5 28.7	2.124	2.975	11.4	21.3
2 21	11 54.56	+ 6 23.9	2.048	2.973	8.1	21.1
3 2	11 47.91	+ 7 26.8	1.999	2.971	4.6	20.9
3 12	11 40.18	+ 8 31.4	1.978	2.968	2.0	20.7
3 22	11 32.19	+ 9 31.3	1.986	2.965	4.4	20.8
4 1	11 24.82	+10 20.9	2.023	2.962	8.0	21.1
4 11	11 18.82	+10 56.0	2.085	2.959	11.3	21.3
4 21	11 14.70	+11 14.8	2.169	2.955	14.2	21.4

311847 2006 VU_{94} 3 14.5 119°.52 19°.9/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.17	+43 6.0	1.118	1.949	20.8	20.2
2 21	12 7.11	+46 7.4	1.114	1.960	20.0	20.2
3 2	11 55.66	+48 24.7	1.129	1.971	20.2	20.2
3 12	11 41.72	+49 42.1	1.161	1.981	21.3	20.4
3 22	11 27.87	+49 54.9	1.209	1.991	22.9	20.5
4 1	11 16.53	+49 7.9	1.270	2.000	24.7	20.7
4 11	11 9.19	+47 32.9	1.342	2.009	26.3	20.8
4 21	11 6.19	+45 23.0	1.423	2.018	27.7	21.0

260796 2005 NP_{79} 3 14.5 187°.80 3°.0/11.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.91	+ 9 34.1	2.228	3.079	11.0	21.5
2 21	11 56.96	+10 25.7	2.155	3.078	7.9	21.3
3 2	11 49.24	+11 21.0	2.108	3.077	4.7	21.1
3 12	11 40.45	+12 13.9	2.091	3.076	3.0	20.9
3 22	11 31.42	+12 58.6	2.103	3.073	5.1	21.1
4 1	11 23.03	+13 30.5	2.144	3.070	8.4	21.3
4 11	11 16.06	+13 46.7	2.211	3.066	11.5	21.5
4 21	11 11.02	+13 46.9	2.299	3.062	14.2	21.6

417561 2006 UN_{132} 3 14.5 130°.72 0°.6/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.92	+ 1 20.5	1.773	2.619	13.6	21.8
2 21	11 56.54	+ 1 58.0	1.705	2.625	9.8	21.6
3 2	11 49.11	+ 2 47.4	1.660	2.630	5.5	21.3
3 12	11 40.43	+ 3 43.1	1.643	2.636	1.1	21.0
3 22	11 31.50	+ 4 38.3	1.654	2.641	3.8	21.3
4 1	11 23.37	+ 5 26.4	1.693	2.646	8.1	21.5
4 11	11 16.95	+ 6 2.0	1.757	2.651	12.1	21.8
4 21	11 12.77	+ 6 22.6	1.843	2.656	15.4	22.0

37342 2001 SA_{22} 3 14.5 357°.74 3°.7/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 56.70	− 9 16.7	1.399	2.230	17.3	17.7
2 21	11 53.31	− 8 59.4	1.325	2.228	13.5	17.4
3 2	11 47.50	− 8 15.6	1.271	2.226	9.1	17.2
3 12	11 40.14	− 7 8.6	1.241	2.225	4.8	16.9
3 22	11 32.35	− 5 45.5	1.236	2.224	4.4	16.9
4 1	11 25.41	− 4 16.3	1.256	2.225	8.5	17.1
4 11	11 20.40	− 2 52.2	1.300	2.226	13.0	17.4
4 21	11 17.98	− 1 41.4	1.365	2.228	17.0	17.6

495418 2014 SM_{145} 3 14.5 217°.10 3°.5/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.27	+ 8 55.3	1.865	2.721	12.5	22.3
2 21	11 57.59	+10 2.8	1.787	2.714	9.0	22.0
3 2	11 49.78	+11 16.7	1.735	2.705	5.4	21.8
3 12	11 40.59	+12 29.2	1.711	2.696	3.5	21.7
3 22	11 31.01	+13 32.3	1.716	2.686	6.1	21.8
4 1	11 22.14	+14 19.4	1.748	2.675	9.9	22.0
4 11	11 14.92	+14 46.7	1.805	2.664	13.5	22.2
4 21	11 9.97	+14 53.4	1.882	2.652	16.6	22.4

74006 1998 FP_{71} 3 14.5 294°.23 2°.1/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 0.30	+ 7 44.8	2.214	3.066	10.9	19.3
2 21	11 55.15	+ 8 12.7	2.130	3.055	7.9	19.1
3 2	11 48.26	+ 8 45.1	2.072	3.044	4.5	18.9
3 12	11 40.27	+ 9 17.2	2.043	3.032	2.1	18.7
3 22	11 31.98	+ 9 44.1	2.043	3.021	4.4	18.8
4 1	11 24.24	+10 1.4	2.071	3.010	7.8	19.0
4 11	11 17.84	+10 6.4	2.124	2.999	11.1	19.2
4 21	11 13.30	+ 9 57.9	2.200	2.988	14.0	19.4

166700 2002 TN_{174} 3 14.5 108°.24 4°.5/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.90	+15 18.8	2.211	3.069	10.7	20.1
2 21	11 56.16	+16 8.7	2.155	3.078	7.9	20.0
3 2	11 48.73	+16 56.7	2.125	3.087	5.4	19.8
3 12	11 40.34	+17 36.8	2.124	3.096	4.6	19.8
3 22	11 31.84	+18 3.7	2.152	3.105	6.4	19.9
4 1	11 24.09	+18 14.1	2.206	3.113	9.2	20.1
4 11	11 17.81	+18 7.1	2.286	3.122	11.9	20.3
4 21	11 13.43	+17 43.6	2.386	3.130	14.2	20.5

408346 2013 GC_{83} 3 14.5 334°.60 2°.4/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.45	− 6 34.9	1.362	2.202	17.2	20.7
2 21	11 54.66	− 6 4.0	1.286	2.197	13.1	20.4
3 2	11 48.33	− 5 7.8	1.230	2.192	8.3	20.1
3 12	11 40.32	− 3 50.8	1.199	2.188	3.5	19.8
3 22	11 31.82	− 2 21.4	1.193	2.184	3.9	19.8
4 1	11 24.19	− 0 50.5	1.213	2.180	8.9	20.1
4 11	11 18.58	+ 0 30.9	1.257	2.177	13.8	20.4
4 21	11 15.69	+ 1 35.4	1.320	2.174	18.0	20.6

512442 2016 QA_{13} 3 14.5 256°.41 1°.2/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.29	+ 3 11.1	2.754	3.593	9.5	22.3
2 21	11 52.77	+ 4 14.0	2.652	3.571	6.8	22.1
3 2	11 46.84	+ 5 25.9	2.578	3.549	3.8	21.9
3 12	11 39.99	+ 6 42.1	2.534	3.526	1.2	21.6
3 22	11 32.82	+ 7 57.5	2.521	3.502	3.4	21.8
4 1	11 25.99	+ 9 6.5	2.538	3.478	6.5	21.9
4 11	11 20.14	+10 4.6	2.583	3.454	9.5	22.1
4 21	11 15.73	+10 49.1	2.651	3.429	12.1	22.2

17843 1998 HD_{99} 3 14.5 336°.75 1°.5/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.66	+ 4 26.9	2.032	2.886	11.7	18.1
2 21	11 53.34	+ 5 7.7	1.955	2.881	8.4	17.8
3 2	11 47.25	+ 5 56.9	1.903	2.876	4.7	17.6
3 12	11 40.08	+ 6 49.1	1.879	2.871	1.5	17.4
3 22	11 32.63	+ 7 38.2	1.883	2.866	4.0	17.5
4 1	11 25.78	+ 8 18.8	1.915	2.862	7.8	17.7
4 11	11 20.32	+ 8 46.5	1.972	2.858	11.3	18.0
4 21	11 16.76	+ 8 59.4	2.051	2.854	14.3	18.1

493488 2015 AE_{181} 3 14.5 119°.14 0°.4/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.44	+ 1 36.6	2.011	2.852	12.4	22.2
2 21	11 55.99	+ 2 5.2	1.942	2.860	9.0	22.0
3 2	11 48.73	+ 2 43.8	1.898	2.867	5.1	21.8
3 12	11 40.38	+ 3 27.5	1.882	2.875	1.0	21.5
3 22	11 31.83	+ 4 11.0	1.895	2.882	3.3	21.7
4 1	11 24.01	+ 4 48.7	1.937	2.889	7.3	22.0
4 11	11 17.69	+ 5 16.4	2.004	2.896	10.9	22.2
4 21	11 13.37	+ 5 31.6	2.094	2.903	13.9	22.4

61679 2000 QH_{124} 3 14.5 92°.62 1°.1/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.64	+ 3 5.2	2.380	3.224	10.6	19.8
2 21	11 53.00	+ 3 57.2	2.317	3.238	7.5	19.6
3 2	11 46.92	+ 4 57.1	2.280	3.251	4.2	19.4
3 12	11 40.01	+ 5 59.7	2.272	3.264	1.2	19.2
3 22	11 32.97	+ 6 59.6	2.294	3.277	3.4	19.4
4 1	11 26.53	+ 7 51.8	2.345	3.290	6.7	19.6
4 11	11 21.30	+ 8 32.4	2.422	3.303	9.7	19.9
4 21	11 17.70	+ 8 59.5	2.523	3.315	12.3	20.0

500219 2012 HZ_{48} 3 14.5 232°.87 1°.7/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.30	+ 4 17.0	2.417	3.261	10.5	22.0
2 21	11 54.38	+ 5 28.4	2.325	3.246	7.5	21.8
3 2	11 47.83	+ 6 49.3	2.259	3.230	4.2	21.6
3 12	11 40.23	+ 8 13.8	2.224	3.214	1.7	21.4
3 22	11 32.28	+ 9 35.5	2.219	3.198	4.1	21.5
4 1	11 24.78	+10 48.0	2.244	3.180	7.5	21.7
4 11	11 18.45	+11 46.7	2.296	3.162	10.7	21.9
4 21	11 13.81	+12 28.8	2.371	3.144	13.5	22.0

77155 2001 ES_{10} 3 14.5 257°.19 1°.1/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.54	+ 2 30.7	2.248	3.091	11.2	19.5
2 21	11 53.93	+ 3 24.2	2.155	3.075	8.1	19.3
3 2	11 47.61	+ 4 28.2	2.088	3.059	4.5	19.0
3 12	11 40.19	+ 5 37.6	2.050	3.043	1.2	18.7
3 22	11 32.40	+ 6 46.3	2.042	3.026	3.6	18.9
4 1	11 25.09	+ 7 48.0	2.063	3.009	7.4	19.1
4 11	11 19.02	+ 8 37.8	2.110	2.992	10.9	19.3
4 21	11 14.73	+ 9 12.7	2.179	2.974	13.9	19.5

206299 2003 EJ_{32} 3 14.5 311°.52 0°.3/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 56.72	+ 0 19.0	2.207	3.048	11.4	20.3
2 21	11 52.56	+ 1 3.6	2.125	3.043	8.3	20.1
3 2	11 46.79	+ 1 59.7	2.068	3.038	4.7	19.9
3 12	11 40.01	+ 3 2.5	2.040	3.033	0.9	19.6
3 22	11 32.97	+ 4 6.3	2.040	3.028	3.1	19.8
4 1	11 26.46	+ 5 5.0	2.069	3.023	6.9	20.0
4 11	11 21.20	+ 5 53.7	2.125	3.018	10.3	20.2
4 21	11 17.67	+ 6 29.1	2.203	3.013	13.2	20.4

500196 2012 HG_{1} 3 14.5 270°.44 4°.0/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.02	+ 9 37.2	1.787	2.653	12.5	21.2
2 21	11 54.54	+11 1.7	1.719	2.650	8.9	21.0
3 2	11 48.04	+12 32.4	1.676	2.647	5.5	20.8
3 12	11 40.27	+14 0.4	1.661	2.643	4.1	20.7
3 22	11 32.20	+15 16.8	1.674	2.640	6.7	20.8
4 1	11 24.86	+16 14.7	1.713	2.636	10.3	21.0
4 11	11 19.14	+16 50.0	1.776	2.633	13.8	21.2
4 21	11 15.60	+17 2.5	1.859	2.630	16.8	21.4

78 Diana 3 14.5 32°.68 2°.8/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.30	− 3 36.8	1.315	2.159	17.5	11.4
2 21	11 58.74	− 4 5.5	1.260	2.173	13.2	11.1
3 2	11 50.54	− 4 16.7	1.227	2.189	8.3	10.9
3 12	11 40.78	− 4 12.8	1.217	2.206	3.6	10.6
3 22	11 30.81	− 3 58.5	1.234	2.223	4.2	10.7
4 1	11 22.03	− 3 40.2	1.276	2.241	8.8	11.0
4 11	11 15.55	− 3 24.6	1.341	2.260	13.2	11.3
4 21	11 11.93	− 3 16.4	1.427	2.279	17.0	11.6

276553 2003 SG_{136} 3 14.5 216°.71 1°.0/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.00	+ 2 29.7	2.209	3.053	11.3	21.3
2 21	11 54.20	+ 3 19.3	2.128	3.048	8.2	21.1
3 2	11 47.73	+ 4 18.7	2.073	3.043	4.6	20.9
3 12	11 40.21	+ 5 22.8	2.046	3.038	1.1	20.6
3 22	11 32.41	+ 6 25.6	2.048	3.033	3.6	20.8
4 1	11 25.16	+ 7 21.3	2.080	3.027	7.3	21.0
4 11	11 19.22	+ 8 5.1	2.138	3.021	10.7	21.2
4 21	11 15.08	+ 8 34.4	2.218	3.015	13.6	21.4

202351 2005 EQ_{174} 3 14.5 80°.15 1°.3/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.63	− 3 8.8	2.053	2.879	12.7	20.1
2 21	11 55.39	− 2 56.7	1.983	2.889	9.5	19.9
3 2	11 48.39	− 2 31.6	1.937	2.899	5.8	19.7
3 12	11 40.34	− 1 56.8	1.920	2.910	2.0	19.5
3 22	11 32.10	− 1 17.1	1.931	2.920	2.9	19.6
4 1	11 24.55	− 0 37.7	1.970	2.930	6.6	19.8
4 11	11 18.47	− 0 3.7	2.036	2.940	10.1	20.0
4 21	11 14.33	+ 0 21.4	2.125	2.951	13.1	20.3

472147 2014 CD_{10} 3 14.5 235°.02 6°.0/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.76	+21 34.2	2.580	3.436	9.4	21.3
2 21	11 53.91	+22 57.3	2.515	3.428	7.4	21.1
3 2	11 47.52	+24 16.0	2.478	3.419	6.1	21.0
3 12	11 40.17	+25 23.4	2.469	3.410	6.3	21.0
3 22	11 32.59	+26 14.1	2.488	3.400	7.9	21.1
4 1	11 25.53	+26 44.5	2.533	3.390	10.1	21.2
4 11	11 19.68	+26 53.7	2.602	3.380	12.2	21.4
4 21	11 15.50	+26 42.9	2.689	3.370	14.1	21.5

178927 2001 QS_{35} 3 14.5 207°.96 2°.9/11.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.45	+ 7 36.6	2.204	3.056	11.0	21.3
2 21	11 55.29	+ 8 55.0	2.125	3.050	7.9	21.1
3 2	11 48.38	+10 20.4	2.073	3.043	4.6	20.9
3 12	11 40.36	+11 45.9	2.050	3.036	2.9	20.8
3 22	11 32.04	+13 4.0	2.058	3.028	5.2	20.9
4 1	11 24.28	+14 8.6	2.094	3.019	8.6	21.1
4 11	11 17.86	+14 55.5	2.155	3.010	11.8	21.3
4 21	11 13.32	+15 23.4	2.239	3.000	14.5	21.5

265876 2005 YB_{282} 3 14.5 8°.58 9°.7/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.32	−23 40.3	1.746	2.479	18.3	19.8
2 21	11 55.80	−24 32.5	1.665	2.479	15.9	19.6
3 2	11 48.94	−24 55.5	1.602	2.480	13.2	19.5
3 12	11 40.50	−24 46.5	1.561	2.481	10.9	19.3
3 22	11 31.57	−24 5.9	1.543	2.483	9.7	19.3
4 1	11 23.36	−22 58.8	1.550	2.485	10.3	19.3
4 11	11 16.96	−21 34.5	1.581	2.487	12.4	19.4
4 21	11 13.04	−20 3.5	1.634	2.490	15.0	19.6

337648 2001 TW_{129} 3 14.5 145°.85 0°.3/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.85	+ 1 14.6	2.599	3.432	10.2	22.1
2 21	11 53.81	+ 1 47.8	2.525	3.439	7.3	21.9
3 2	11 47.39	+ 2 29.2	2.477	3.446	4.1	21.7
3 12	11 40.15	+ 3 14.9	2.459	3.452	0.8	21.5
3 22	11 32.74	+ 4 0.7	2.471	3.458	2.7	21.6
4 1	11 25.85	+ 4 42.1	2.513	3.464	6.0	21.9
4 11	11 20.10	+ 5 15.4	2.582	3.469	8.9	22.1
4 21	11 15.88	+ 5 38.5	2.675	3.474	11.5	22.2

277740 2006 DV_{99} 3 14.5 202.°80 0.°9/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 0.88	+ 3 9.0	2.198	3.040	11.4	21.6
2 21	11 55.57	+ 3 42.0	2.118	3.038	8.2	21.4
3 2	11 48.52	+ 4 23.5	2.064	3.035	4.6	21.2
3 12	11 40.41	+ 5 8.7	2.039	3.031	1.1	20.9
3 22	11 32.02	+ 5 52.5	2.043	3.028	3.5	21.1
4 1	11 24.23	+ 6 29.7	2.076	3.024	7.2	21.3
4 11	11 17.79	+ 6 56.5	2.135	3.020	10.6	21.5
4 21	11 13.21	+ 7 10.6	2.217	3.016	13.5	21.7

422818 2002 AG_{202} 3 14.5 3.°52 3.°3/17.1 17

2 11	11 57.40	− 6 33.2	1.314	2.158	17.5	20.0
2 21	11 53.93	− 6 38.2	1.245	2.157	13.4	19.7
3 2	11 47.94	− 6 20.6	1.197	2.157	8.8	19.5
3 12	11 40.32	− 5 43.2	1.172	2.159	4.3	19.2
3 22	11 32.29	− 4 52.2	1.172	2.161	4.3	19.2
4 1	11 25.19	− 3 56.1	1.196	2.165	8.7	19.5
4 11	11 20.14	− 3 4.3	1.243	2.170	13.3	19.7
4 21	11 17.78	− 2 23.6	1.311	2.177	17.4	20.0

498113 2007 RD_{324} 3 14.5 170.°91 0.°2/14.8 17

2 11	11 59.18	− 0 35.4	2.584	3.411	10.4	22.7
2 21	11 54.10	− 0 4.8	2.504	3.414	7.6	22.5
3 2	11 47.59	+ 0 35.3	2.451	3.417	4.4	22.3
3 12	11 40.23	+ 1 21.5	2.426	3.419	1.0	22.0
3 22	11 32.66	+ 2 9.4	2.432	3.420	2.5	22.2
4 1	11 25.60	+ 2 54.4	2.468	3.422	5.9	22.4
4 11	11 19.66	+ 3 32.5	2.531	3.422	8.9	22.6
4 21	11 15.29	+ 4 1.0	2.618	3.423	11.5	22.8

85024 2224 P–L 3 14.5 105.°18 1.°0/15.2 18

2 11	12 4.67	− 2 14.9	1.375	2.220	16.8	19.9
2 21	11 59.04	− 1 51.4	1.312	2.229	12.4	19.7
3 2	11 50.77	− 1 9.5	1.272	2.239	7.4	19.4
3 12	11 40.90	− 0 14.8	1.256	2.248	2.0	19.1
3 22	11 30.73	+ 0 44.8	1.267	2.257	3.9	19.2
4 1	11 21.66	+ 1 40.4	1.304	2.265	9.1	19.6
4 11	11 14.80	+ 2 24.6	1.365	2.274	13.8	19.9
4 21	11 10.76	+ 2 53.0	1.446	2.282	17.7	20.1

433203 2012 UT_{63} 3 14.5 213.°72 5.°2/ 7.7 17

2 11	12 0.29	+18 54.7	2.571	3.427	9.5	21.3
2 21	11 54.98	+19 59.3	2.504	3.421	7.2	21.1
3 2	11 48.13	+21 0.7	2.465	3.416	5.5	21.0
3 12	11 40.34	+21 52.8	2.454	3.409	5.4	21.0
3 22	11 32.35	+22 30.5	2.471	3.403	7.0	21.0
4 1	11 24.91	+22 50.6	2.516	3.396	9.3	21.2
4 11	11 18.71	+22 51.8	2.585	3.389	11.6	21.3
4 21	11 14.19	+22 35.2	2.674	3.382	13.6	21.5

89629 2001 XJ_{206} 3 14.5 140.°25 2.°3/12.3 18

2 11	12 2.52	+ 4 22.7	1.629	2.485	14.0	19.8
2 21	11 57.15	+ 5 35.4	1.566	2.493	10.0	19.6
3 2	11 49.57	+ 6 59.2	1.528	2.500	5.6	19.4
3 12	11 40.65	+ 8 25.6	1.517	2.508	2.3	19.2
3 22	11 31.48	+ 9 45.4	1.535	2.515	5.3	19.4
4 1	11 23.22	+10 50.4	1.579	2.521	9.6	19.6
4 11	11 16.82	+11 35.5	1.648	2.527	13.6	19.9
4 21	11 12.82	+11 59.3	1.737	2.532	16.9	20.1

16704 1995 ED_{8} 3 14.5 334.°31 1.°5/14.8 18

2 11	12 17.51	+ 5 12.9	1.113	1.967	19.2	16.3
2 21	12 9.65	+ 3 31.0	1.026	1.949	14.5	15.9
3 2	11 57.60	+ 1 45.6	0.962	1.931	8.7	15.5
3 12	11 42.43	− 0 2.8	0.923	1.915	2.5	15.1
3 22	11 26.01	− 1 51.6	0.910	1.900	5.2	15.2
4 1	11 10.67	− 3 37.5	0.925	1.886	11.9	15.5
4 11	10 58.47	− 5 18.9	0.962	1.874	17.8	15.8
4 21	10 50.51	− 6 56.0	1.019	1.863	22.8	16.1

95229 2002 CA_{30} 3 14.5 113.°46 3.°3/11.9 18

2 11	12 5.94	+ 8 37.9	1.547	2.407	14.4	19.4
2 21	11 59.67	+ 9 23.2	1.490	2.418	10.3	19.1
3 2	11 51.02	+10 13.7	1.457	2.428	6.0	18.9
3 12	11 40.95	+11 1.3	1.450	2.438	3.3	18.8
3 22	11 30.70	+11 38.5	1.471	2.447	6.1	19.0
4 1	11 21.53	+11 59.7	1.519	2.456	10.3	19.2
4 11	11 14.43	+12 2.2	1.590	2.465	14.2	19.5
4 21	11 9.97	+11 46.3	1.681	2.474	17.4	19.7

75365 1999 XP_{75} 3 14.5 349.°54 7.°1/ 9.1 18

2 11	12 1.68	+13 34.6	1.153	2.038	16.3	17.9
2 21	11 57.36	+15 5.2	1.098	2.035	12.1	17.7
3 2	11 50.03	+16 38.8	1.064	2.032	8.2	17.4
3 12	11 40.79	+18 1.5	1.054	2.030	7.3	17.4
3 22	11 31.15	+19 0.7	1.068	2.029	10.3	17.5
4 1	11 22.72	+19 28.5	1.104	2.028	14.7	17.8
4 11	11 16.81	+19 23.2	1.160	2.027	18.9	18.0
4 21	11 14.06	+18 47.9	1.232	2.027	22.4	18.3

186890 2004 JG_{38} 3 14.5 24.°59 3.°6/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 55.29	−12 37.9	1.436	2.253	17.7	19.5
2 21	11 52.21	−11 31.6	1.365	2.259	13.8	19.2
3 2	11 46.87	− 9 52.5	1.315	2.265	9.4	19.0
3 12	11 40.13	− 7 46.0	1.290	2.272	5.0	18.8
3 22	11 33.10	− 5 22.7	1.291	2.280	4.1	18.7
4 1	11 26.94	− 2 56.4	1.319	2.288	8.1	19.0
4 11	11 22.64	− 0 41.0	1.373	2.297	12.6	19.2
4 21	11 20.76	+ 1 13.9	1.449	2.306	16.5	19.5

205223 2000 QQ_{52} 3 14.5 249.°89 2.°4/11.4 18

2 11	11 56.92	+ 6 47.7	2.410	3.264	10.1	20.2
2 21	11 52.65	+ 8 0.0	2.329	3.255	7.2	20.0
3 2	11 46.86	+ 9 19.3	2.274	3.246	4.2	19.8
3 12	11 40.12	+10 39.5	2.249	3.236	2.4	19.7
3 22	11 33.11	+11 54.3	2.254	3.227	4.6	19.8
4 1	11 26.57	+12 57.9	2.287	3.217	7.7	20.0
4 11	11 21.19	+13 46.3	2.346	3.207	10.7	20.2
4 21	11 17.42	+14 17.8	2.428	3.197	13.3	20.3

205500 2001 RE_{21} 3 14.5 197.°86 1.°5/12.7 17

2 11	11 57.47	+ 3 49.9	2.395	3.241	10.5	20.6
2 21	11 53.00	+ 4 52.0	2.317	3.240	7.5	20.4
3 2	11 47.04	+ 6 2.5	2.266	3.238	4.2	20.2
3 12	11 40.15	+ 7 16.0	2.245	3.236	1.5	20.0
3 22	11 33.04	+ 8 26.6	2.253	3.234	3.7	20.2
4 1	11 26.44	+ 9 28.5	2.290	3.231	7.1	20.4
4 11	11 21.01	+10 17.7	2.354	3.229	10.2	20.6
4 21	11 17.22	+10 51.7	2.440	3.226	12.8	20.7

323769 2005 QV_{21} 3 14.5 237.°54 0.°2/14.3 17

2 11	12 1.47	+ 0 30.3	1.971	2.810	12.7	22.2
2 21	11 56.27	+ 1 6.0	1.883	2.799	9.3	21.9
3 2	11 49.08	+ 1 54.2	1.820	2.788	5.3	21.7
3 12	11 40.59	+ 2 50.0	1.784	2.777	1.0	21.3
3 22	11 31.70	+ 3 47.3	1.778	2.765	3.4	21.5
4 1	11 23.39	+ 4 39.8	1.800	2.753	7.7	21.7
4 11	11 16.58	+ 5 21.9	1.848	2.740	11.6	21.9
4 21	11 11.84	+ 5 50.0	1.917	2.727	14.9	22.1

521152 2015 FG_{407} 3 14.5 149.°68 3.°2/10.6 17

2 11	12 1.99	+13 12.1	2.710	3.559	9.3	21.6
2 21	11 56.02	+13 46.5	2.646	3.566	6.7	21.5
3 2	11 48.65	+14 20.5	2.609	3.573	4.3	21.3
3 12	11 40.47	+14 49.6	2.601	3.580	3.3	21.3
3 22	11 32.18	+15 9.8	2.624	3.586	4.9	21.4
4 1	11 24.47	+15 18.4	2.676	3.591	7.4	21.6
4 11	11 17.96	+15 14.0	2.754	3.597	9.9	21.7
4 21	11 13.05	+14 56.8	2.855	3.602	12.0	21.9

383767 2007 VV_{239} 3 14.5 94.°84 0.°4/14.0 17

2 11	11 59.33	+ 1 17.6	2.406	3.242	10.8	21.6
2 21	11 54.20	+ 1 55.9	2.346	3.261	7.7	21.5
3 2	11 47.64	+ 2 42.8	2.312	3.281	4.4	21.3
3 12	11 40.27	+ 3 33.7	2.307	3.299	0.8	21.0
3 22	11 32.80	+ 4 23.9	2.331	3.318	2.9	21.2
4 1	11 25.96	+ 5 8.5	2.386	3.336	6.3	21.5
4 11	11 20.37	+ 5 43.9	2.467	3.354	9.3	21.7
4 21	11 16.42	+ 6 7.9	2.572	3.372	11.8	21.9

374490 2005 YH_{95} 3 14.5 164.°10 1.°0/15.7 17

2 11	12 0.63	− 3 27.4	2.272	3.093	11.9	22.1
2 21	11 55.33	− 2 58.4	2.193	3.097	8.8	21.9
3 2	11 48.38	− 2 16.4	2.140	3.101	5.3	21.6
3 12	11 40.44	− 1 24.9	2.115	3.105	1.8	21.4
3 22	11 32.26	− 0 29.0	2.119	3.108	2.7	21.5
4 1	11 24.67	+ 0 25.9	2.153	3.111	6.3	21.7
4 11	11 18.39	+ 1 14.6	2.214	3.113	9.7	21.9
4 21	11 13.91	+ 1 53.2	2.299	3.115	12.6	22.1

384155 2009 AJ_{24} 3 14.5 192.°30 3.°9/18.8 17

2 11	11 59.65	−11 42.7	2.316	3.100	12.8	21.0
2 21	11 54.70	−11 48.2	2.229	3.100	10.2	20.9
3 2	11 48.07	−11 36.5	2.165	3.099	7.3	20.7
3 12	11 40.39	−11 8.6	2.127	3.099	4.7	20.5
3 22	11 32.41	−10 27.8	2.118	3.098	4.1	20.5
4 1	11 24.95	− 9 38.5	2.138	3.097	6.3	20.6
4 11	11 18.77	− 8 46.7	2.185	3.096	9.2	20.8
4 21	11 14.37	− 7 57.8	2.256	3.095	12.0	20.9

165266 2000 SY_{240} 3 14.5 288.°97 12.°2/26.9 18

2 11	11 58.44	−30 25.1	1.597	2.294	21.0	19.2
2 21	11 54.95	−30 52.3	1.493	2.274	18.9	18.9
3 2	11 48.76	−30 40.4	1.404	2.253	16.5	18.7
3 12	11 40.60	−29 43.1	1.334	2.233	14.1	18.5
3 22	11 31.64	−27 58.7	1.285	2.212	12.4	18.3
4 1	11 23.30	−25 32.4	1.260	2.192	12.5	18.2
4 11	11 16.94	−22 37.2	1.258	2.171	14.4	18.3
4 21	11 13.46	−19 30.3	1.279	2.151	17.4	18.4

465695 2009 SQ_{288} 3 14.5 153°.18 1°.7/12.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.19	+ 6 16.4	2.376	3.218	10.7	22.2
2 21	11 57.05	+ 6 53.0	2.307	3.227	7.6	22.0
3 2	11 49.31	+ 7 34.6	2.266	3.236	4.3	21.8
3 12	11 40.63	+ 8 16.5	2.253	3.244	1.7	21.6
3 22	11 31.79	+ 8 53.9	2.272	3.251	3.9	21.8
4 1	11 23.60	+ 9 22.5	2.319	3.258	7.2	22.0
4 11	11 16.75	+ 9 39.5	2.394	3.264	10.2	22.2
4 21	11 11.70	+ 9 43.7	2.491	3.269	12.8	22.4

2412 Wil 3 14.5 265°.61 3°.2/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.50	− 8 5.1	2.003	2.809	13.8	16.3
2 21	11 56.36	− 8 10.1	1.906	2.795	10.7	16.1
3 2	11 49.19	− 7 58.0	1.832	2.781	7.3	15.9
3 12	11 40.65	− 7 30.4	1.785	2.766	4.0	15.6
3 22	11 31.62	− 6 50.7	1.766	2.751	3.8	15.6
4 1	11 23.10	− 6 4.1	1.775	2.737	7.1	15.8
4 11	11 16.03	− 5 17.3	1.811	2.721	10.8	15.9
4 21	11 11.06	− 4 36.0	1.869	2.706	14.2	16.1

90787 1994 PO_{19} 3 14.5 215°.44 2°.1/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.43	+ 4 0.0	1.729	2.581	13.5	20.8
2 21	11 57.17	+ 5 11.9	1.650	2.575	9.7	20.6
3 2	11 49.69	+ 6 36.3	1.595	2.567	5.5	20.3
3 12	11 40.75	+ 8 5.3	1.569	2.559	2.2	20.1
3 22	11 31.38	+ 9 30.0	1.571	2.551	5.1	20.2
4 1	11 22.74	+10 41.7	1.600	2.541	9.5	20.5
4 11	11 15.82	+11 34.4	1.654	2.532	13.6	20.7
4 21	11 11.26	+12 5.8	1.729	2.521	17.0	20.9

2129 Cosicosi 3 14.5 144°.44 3°.3/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.72	+ 8 8.2	1.621	2.477	14.1	18.3
2 21	12 0.19	+ 9 6.5	1.561	2.487	10.1	18.1
3 2	11 51.32	+10 11.0	1.527	2.497	5.9	17.9
3 12	11 41.05	+11 13.1	1.520	2.507	3.3	17.7
3 22	11 30.59	+12 4.8	1.541	2.515	6.0	17.9
4 1	11 21.15	+12 39.9	1.589	2.523	10.2	18.2
4 11	11 13.73	+12 55.2	1.661	2.530	14.0	18.4
4 21	11 8.89	+12 50.8	1.753	2.536	17.2	18.6

425076 2009 RC_{69} 3 14.5 177°.83 1°.7/16.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.81	− 5 44.3	2.547	3.350	11.3	23.0
2 21	11 56.06	− 5 25.2	2.461	3.353	8.5	22.8
3 2	11 48.77	− 4 53.1	2.400	3.355	5.4	22.6
3 12	11 40.53	− 4 10.6	2.369	3.356	2.4	22.4
3 22	11 32.05	− 3 21.7	2.368	3.356	2.6	22.4
4 1	11 24.09	− 2 31.1	2.397	3.356	5.7	22.6
4 11	11 17.32	− 1 43.8	2.455	3.354	8.8	22.8
4 21	11 12.21	− 1 3.5	2.537	3.352	11.6	23.0

403797 2011 SX_{260} 3 14.5 78°.33 1°.7/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.28	+ 3 58.1	1.443	2.300	15.5	21.5
2 21	11 59.18	+ 4 40.6	1.396	2.322	11.0	21.2
3 2	11 50.71	+ 5 33.4	1.372	2.344	6.1	21.0
3 12	11 40.92	+ 6 28.7	1.374	2.366	1.8	20.8
3 22	11 31.07	+ 7 18.3	1.403	2.387	4.9	21.0
4 1	11 22.42	+ 7 55.6	1.459	2.409	9.5	21.4
4 11	11 15.92	+ 8 16.2	1.538	2.430	13.6	21.6
4 21	11 12.08	+ 8 19.3	1.638	2.450	17.0	21.9

78258 2002 PO_{15} 3 14.5 255°.97 0°.2/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.18	− 0 49.8	2.037	2.874	12.4	20.2
2 21	11 54.48	− 0 17.5	1.958	2.872	9.1	20.0
3 2	11 47.99	+ 0 27.3	1.904	2.871	5.3	19.7
3 12	11 40.38	+ 1 20.1	1.877	2.869	1.2	19.4
3 22	11 32.49	+ 2 15.4	1.879	2.868	3.0	19.6
4 1	11 25.22	+ 3 7.1	1.909	2.866	7.1	19.8
4 11	11 19.35	+ 3 49.9	1.966	2.865	10.7	20.0
4 21	11 15.41	+ 4 20.2	2.045	2.863	13.9	20.2

327244 2005 SN_{43} 3 14.5 245°.15 1°.0/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.77	− 2 42.5	2.032	2.858	12.9	22.1
2 21	11 56.49	− 2 20.9	1.937	2.844	9.6	21.8
3 2	11 49.24	− 1 45.2	1.867	2.830	5.8	21.6
3 12	11 40.66	− 0 58.8	1.824	2.815	1.8	21.3
3 22	11 31.63	− 0 6.8	1.811	2.800	3.0	21.3
4 1	11 23.14	+ 0 44.7	1.826	2.785	7.2	21.6
4 11	11 16.08	+ 1 29.8	1.868	2.769	11.1	21.8
4 21	11 11.07	+ 2 4.2	1.932	2.752	14.5	21.9

369892 2012 TT_{66} 3 14.5 123°.07 1°.4/13.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.63	+ 5 26.7	2.330	3.175	10.7	21.2
2 21	11 55.26	+ 5 53.8	2.258	3.180	7.7	21.0
3 2	11 48.32	+ 6 26.5	2.214	3.184	4.3	20.8
3 12	11 40.44	+ 7 0.5	2.197	3.189	1.4	20.6
3 22	11 32.38	+ 7 31.1	2.211	3.193	3.6	20.8
4 1	11 24.93	+ 7 54.3	2.253	3.198	7.0	21.0
4 11	11 18.77	+ 8 7.2	2.322	3.202	10.1	21.2
4 21	11 14.37	+ 8 8.2	2.414	3.206	12.8	21.4

427567 2003 AG_{53} 3 14.5 41°.37 8°.1/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 58.80	+21 53.0	1.755	2.626	12.4	19.9
2 21	11 54.32	+23 41.9	1.727	2.646	9.8	19.7
3 2	11 47.87	+25 21.7	1.723	2.666	8.2	19.7
3 12	11 40.34	+26 42.3	1.746	2.686	8.5	19.7
3 22	11 32.76	+27 36.8	1.794	2.707	10.4	19.9
4 1	11 26.13	+28 2.1	1.866	2.728	12.8	20.1
4 11	11 21.26	+27 59.0	1.958	2.750	15.2	20.3
4 21	11 18.58	+27 31.2	2.068	2.772	17.2	20.5

297895 2002 CP_{208} 3 14.5 46°.55 1°.0/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.11	− 1 11.1	1.320	2.171	17.0	20.4
2 21	11 58.73	− 1 6.1	1.259	2.179	12.6	20.1
3 2	11 50.67	− 0 44.5	1.219	2.187	7.5	19.9
3 12	11 40.95	− 0 11.3	1.204	2.196	2.1	19.6
3 22	11 30.94	+ 0 26.8	1.215	2.205	3.9	19.7
4 1	11 22.04	+ 1 2.1	1.252	2.215	9.2	20.0
4 11	11 15.41	+ 1 27.9	1.311	2.224	13.9	20.3
4 21	11 11.65	+ 1 40.2	1.391	2.234	17.8	20.6

328636 2009 SV_{207} 3 14.5 311°.88 2°.7/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.27	+ 8 53.0	1.628	2.486	13.9	19.8
2 21	12 0.08	+ 9 1.9	1.550	2.476	10.1	19.6
3 2	11 51.41	+ 9 14.4	1.496	2.467	5.9	19.3
3 12	11 41.13	+ 9 24.5	1.469	2.458	2.7	19.1
3 22	11 30.42	+ 9 26.8	1.469	2.450	5.4	19.2
4 1	11 20.57	+ 9 17.0	1.497	2.441	9.8	19.5
4 11	11 12.68	+ 8 52.8	1.549	2.433	13.9	19.7
4 21	11 7.43	+ 8 14.4	1.621	2.426	17.5	19.9

164321 2005 AH_{43} 3 14.5 94°.28 0°.2/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.31	− 0 35.7	1.578	2.420	15.1	20.8
2 21	11 58.42	− 0 2.9	1.521	2.438	11.0	20.6
3 2	11 50.29	+ 0 44.4	1.488	2.456	6.3	20.4
3 12	11 40.86	+ 1 40.2	1.481	2.474	1.4	20.1
3 22	11 31.30	+ 2 37.2	1.503	2.491	3.7	20.3
4 1	11 22.76	+ 3 28.0	1.551	2.508	8.3	20.6
4 11	11 16.19	+ 4 6.7	1.625	2.525	12.5	20.9
4 21	11 12.10	+ 4 30.2	1.720	2.542	15.9	21.2

501223 2013 UU_{12} 3 14.5 118°.45 2°.8/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.90	+ 8 13.5	2.012	2.868	11.7	21.7
2 21	11 55.67	+ 9 6.0	1.948	2.874	8.4	21.5
3 2	11 48.63	+10 3.5	1.910	2.881	4.9	21.3
3 12	11 40.53	+10 59.4	1.900	2.887	2.8	21.2
3 22	11 32.24	+11 47.3	1.919	2.893	5.1	21.3
4 1	11 24.67	+12 22.3	1.965	2.899	8.6	21.6
4 11	11 18.61	+12 41.3	2.037	2.905	11.8	21.8
4 21	11 14.54	+12 43.5	2.130	2.910	14.6	22.0

48492 Utewielen 3 14.5 102°.23 0°.2/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.95	− 0 41.8	2.113	2.949	12.1	19.2
2 21	11 54.24	− 0 7.8	2.038	2.952	8.8	19.0
3 2	11 47.82	+ 0 38.1	1.988	2.955	5.1	18.8
3 12	11 40.37	+ 1 31.3	1.966	2.959	1.1	18.5
3 22	11 32.69	+ 2 26.5	1.973	2.962	2.9	18.6
4 1	11 25.63	+ 3 17.8	2.009	2.965	6.8	18.9
4 11	11 19.93	+ 4 0.2	2.071	2.968	10.3	19.1
4 21	11 16.08	+ 4 30.5	2.155	2.971	13.3	19.3

283893 2004 CB_{6} 3 14.5 25°.22 2°.1/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.70	− 5 29.1	2.064	2.883	13.0	20.3
2 21	11 54.85	− 5 23.8	1.985	2.884	9.8	20.1
3 2	11 48.21	− 5 3.8	1.929	2.886	6.3	19.9
3 12	11 40.46	− 4 31.7	1.901	2.888	2.9	19.7
3 22	11 32.43	− 3 51.8	1.901	2.890	3.1	19.7
4 1	11 25.02	− 3 9.3	1.930	2.892	6.6	19.9
4 11	11 19.02	− 2 29.8	1.985	2.894	10.1	20.1
4 21	11 14.94	− 1 57.7	2.063	2.897	13.2	20.4

503698 2016 JL_{9} 3 14.5 202°.17 2°.6/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.45	+ 6 49.8	1.950	2.808	12.0	21.5
2 21	11 54.74	+ 7 53.1	1.879	2.807	8.6	21.3
3 2	11 48.16	+ 9 3.7	1.834	2.806	4.9	21.1
3 12	11 40.45	+10 14.7	1.817	2.805	2.6	20.9
3 22	11 32.47	+11 18.7	1.829	2.804	5.1	21.1
4 1	11 25.16	+12 9.7	1.868	2.804	8.8	21.3
4 11	11 19.35	+12 43.4	1.932	2.802	12.2	21.5
4 21	11 15.55	+12 58.6	2.016	2.801	15.2	21.7

334884 2003 UD_{318} 3 14.5 210°.48 0°.3/14.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.47	+ 1 41.8	2.115	2.954	11.9	21.4
2 21	11 56.09	+ 2 3.2	2.035	2.952	8.7	21.2
3 2	11 48.92	+ 2 34.0	1.981	2.950	5.0	21.0
3 12	11 40.61	+ 3 10.1	1.954	2.947	1.0	20.7
3 22	11 32.03	+ 3 46.5	1.957	2.944	3.2	20.8
4 1	11 24.05	+ 4 18.2	1.988	2.941	7.1	21.1
4 11	11 17.49	+ 4 41.2	2.046	2.938	10.7	21.3
4 21	11 12.87	+ 4 52.8	2.126	2.935	13.7	21.5

360214 1999 PH_8 3 14.5 224.°59 0.°1/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 2.17	− 0 21.2	1.936	2.771	13.0	21.9
2 21	11 56.84	+ 0 22.6	1.847	2.762	9.5	21.7
3 2	11 49.46	+ 1 20.4	1.783	2.751	5.5	21.4
3 12	11 40.75	+ 2 27.1	1.747	2.740	1.1	21.1
3 22	11 31.61	+ 3 36.2	1.741	2.728	3.5	21.2
4 1	11 23.07	+ 4 40.3	1.763	2.716	7.8	21.5
4 11	11 16.05	+ 5 33.3	1.811	2.703	11.8	21.7
4 21	11 11.17	+ 6 11.2	1.881	2.690	15.2	21.9

190699 2001 FR_{30} 3 14.5 258.°95 2.°4/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.82	+ 5 44.6	1.526	2.382	14.8	20.6
2 21	12 0.09	+ 6 27.0	1.437	2.364	10.8	20.3
3 2	11 51.62	+ 7 20.1	1.372	2.344	6.2	20.0
3 12	11 41.24	+ 8 16.7	1.333	2.324	2.5	19.7
3 22	11 30.15	+ 9 8.2	1.322	2.303	5.7	19.9
4 1	11 19.77	+ 9 46.7	1.337	2.282	10.7	20.1
4 11	11 11.39	+10 6.6	1.376	2.261	15.3	20.3
4 21	11 5.83	+10 6.1	1.434	2.238	19.4	20.5

87335 2000 QB_{21} 3 14.5 312.°31 0.°1/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 55.81	− 2 39.8	1.513	2.364	15.1	18.8
2 21	11 52.77	− 1 29.6	1.417	2.339	11.2	18.5
3 2	11 47.39	+ 0 4.7	1.344	2.315	6.6	18.2
3 12	11 40.36	+ 1 56.8	1.297	2.290	1.4	17.8
3 22	11 32.70	+ 3 56.5	1.277	2.266	4.1	17.9
4 1	11 25.60	+ 5 51.5	1.283	2.242	9.5	18.1
4 11	11 20.23	+ 7 30.7	1.314	2.219	14.4	18.3
4 21	11 17.34	+ 8 46.7	1.364	2.197	18.7	18.5

379696 2011 FO_{79} 3 14.5 207.°40 1.°9/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.09	+ 5 18.8	2.139	2.989	11.4	21.3
2 21	11 55.09	+ 6 10.1	2.062	2.986	8.2	21.1
3 2	11 48.34	+ 7 9.0	2.011	2.983	4.6	20.9
3 12	11 40.51	+ 8 9.9	1.989	2.979	1.9	20.7
3 22	11 32.40	+ 9 6.6	1.995	2.975	4.2	20.8
4 1	11 24.89	+ 9 53.4	2.030	2.971	7.9	21.1
4 11	11 18.76	+10 26.3	2.091	2.967	11.2	21.3
4 21	11 14.50	+10 43.5	2.174	2.962	14.1	21.4

416262 2003 FG_{20} 3 14.5 347.°21 5.°3/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.92	+14 11.3	1.376	2.247	15.1	19.8
2 21	12 0.13	+14 30.8	1.309	2.240	11.2	19.5
3 2	11 51.54	+14 48.4	1.265	2.234	7.2	19.3
3 12	11 41.19	+14 56.0	1.247	2.228	5.3	19.2
3 22	11 30.46	+14 46.9	1.254	2.224	7.8	19.3
4 1	11 20.84	+14 17.5	1.285	2.220	12.0	19.5
4 11	11 13.54	+13 27.6	1.339	2.217	16.1	19.7
4 21	11 9.21	+12 19.8	1.412	2.215	19.7	20.0

112135 2002 JS_{52} 3 14.5 288.°23 0.°4/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.60	− 0 49.7	1.526	2.373	15.3	20.1
2 21	11 56.97	− 0 24.3	1.436	2.355	11.3	19.8
3 2	11 49.80	+ 0 17.9	1.368	2.337	6.7	19.5
3 12	11 40.86	+ 1 12.2	1.326	2.319	1.6	19.1
3 22	11 31.28	+ 2 11.4	1.311	2.300	3.9	19.3
4 1	11 22.35	+ 3 7.2	1.322	2.282	9.2	19.5
4 11	11 15.29	+ 3 51.9	1.357	2.264	14.0	19.7
4 21	11 10.87	+ 4 20.5	1.412	2.246	18.1	19.9

500670 2012 VV_{39} 3 14.5 90.°77 4.°2/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.04	−13 42.5	2.377	3.152	12.8	21.2
2 21	11 53.49	−13 39.3	2.294	3.157	10.3	21.1
3 2	11 47.38	−13 17.6	2.235	3.163	7.5	20.9
3 12	11 40.31	−12 38.7	2.202	3.168	5.0	20.7
3 22	11 33.01	−11 46.0	2.197	3.174	4.3	20.7
4 1	11 26.24	−10 44.5	2.221	3.180	6.1	20.8
4 11	11 20.70	− 9 40.4	2.272	3.185	8.8	21.0
4 21	11 16.85	− 8 39.4	2.348	3.191	11.5	21.2

500689 2012 VB_{92} 3 14.5 170.°04 2.°8/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.60	−10 13.7	2.565	3.355	11.6	21.6
2 21	11 53.07	− 9 53.8	2.478	3.357	9.0	21.4
3 2	11 47.10	− 9 18.1	2.416	3.358	6.2	21.2
3 12	11 40.25	− 8 28.8	2.381	3.359	3.6	21.1
3 22	11 33.18	− 7 29.5	2.376	3.360	3.1	21.0
4 1	11 26.58	− 6 25.3	2.400	3.361	5.5	21.2
4 11	11 21.10	− 5 21.8	2.452	3.362	8.4	21.4
4 21	11 17.17	− 4 23.8	2.529	3.362	11.1	21.5

352820 2008 UY_{313} 3 14.5 44.°00 4.°5/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.31	− 9 27.1	1.295	2.122	18.7	20.6
2 21	11 57.59	− 9 34.8	1.229	2.128	14.6	20.3
3 2	11 50.13	− 9 16.4	1.183	2.134	10.0	20.1
3 12	11 40.91	− 8 33.8	1.160	2.141	5.7	19.8
3 22	11 31.29	− 7 33.1	1.162	2.148	5.1	19.8
4 1	11 22.71	− 6 24.0	1.189	2.156	9.1	20.1
4 11	11 16.40	− 5 16.9	1.239	2.163	13.6	20.3
4 21	11 13.01	− 4 20.3	1.309	2.171	17.7	20.6

374070 2004 RH_{113} 3 14.5 316.°19 0.°9/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 57.30	− 4 3.0	1.685	2.524	14.5	20.9
2 21	11 53.52	− 3 12.2	1.602	2.516	10.8	20.6
3 2	11 47.64	− 2 1.4	1.542	2.508	6.5	20.3
3 12	11 40.40	− 0 36.0	1.509	2.500	1.9	20.0
3 22	11 32.75	+ 0 56.2	1.503	2.493	3.3	20.1
4 1	11 25.77	+ 2 25.7	1.524	2.486	8.0	20.4
4 11	11 20.41	+ 3 44.0	1.571	2.479	12.3	20.6
4 21	11 17.28	+ 4 45.3	1.638	2.472	16.0	20.8

464650 2000 VY_{44} 3 14.5 141.°81 5.°4/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.08	+19 45.9	2.443	3.290	10.2	21.8
2 21	11 59.09	+20 36.0	2.391	3.303	7.8	21.6
3 2	11 50.46	+21 20.9	2.367	3.316	5.9	21.5
3 12	11 40.93	+21 54.3	2.371	3.327	5.5	21.5
3 22	11 31.33	+22 12.0	2.405	3.338	7.1	21.6
4 1	11 22.52	+22 11.6	2.467	3.349	9.4	21.8
4 11	11 15.19	+21 53.2	2.553	3.359	11.7	22.0
4 21	11 9.77	+21 18.7	2.661	3.368	13.7	22.1

467655 2008 TR_{116} 3 14.5 234.°14 5.°7/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.26	−19 7.5	2.403	3.143	13.7	21.9
2 21	11 54.52	−19 2.0	2.299	3.131	11.4	21.7
3 2	11 48.07	−18 33.9	2.216	3.119	8.9	21.5
3 12	11 40.48	−17 43.3	2.159	3.106	6.7	21.3
3 22	11 32.50	−16 32.7	2.129	3.092	5.7	21.2
4 1	11 24.97	−15 7.4	2.128	3.079	6.9	21.3
4 11	11 18.67	−13 34.6	2.155	3.064	9.4	21.4
4 21	11 14.16	−12 2.0	2.206	3.050	12.1	21.6

341769 2007 VG_{333} 3 14.5 66.°58 0.°1/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.34	− 0 19.8	2.183	3.020	11.7	21.2
2 21	11 53.74	+ 0 14.0	2.111	3.026	8.5	21.0
3 2	11 47.53	+ 0 58.9	2.064	3.032	4.9	20.8
3 12	11 40.36	+ 1 50.5	2.045	3.038	1.0	20.5
3 22	11 32.98	+ 2 43.5	2.055	3.044	2.9	20.7
4 1	11 26.22	+ 3 32.3	2.094	3.050	6.6	20.9
4 11	11 20.76	+ 4 12.4	2.160	3.056	10.0	21.1
4 21	11 17.07	+ 4 40.7	2.248	3.063	12.9	21.3

403048 2008 AR_{35} 3 14.5 111.°83 0.°8/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.02	− 2 17.2	1.849	2.678	13.8	22.3
2 21	11 57.98	− 1 47.6	1.787	2.697	10.2	22.1
3 2	11 49.99	− 1 4.0	1.751	2.715	6.0	21.9
3 12	11 40.86	− 0 11.1	1.741	2.733	1.7	21.6
3 22	11 31.60	+ 0 44.9	1.761	2.750	3.1	21.7
4 1	11 23.21	+ 1 37.5	1.810	2.767	7.3	22.0
4 11	11 16.52	+ 2 21.1	1.884	2.783	11.1	22.3
4 21	11 12.03	+ 2 52.2	1.981	2.799	14.2	22.5

65113 2002 CD_{47} 3 14.5 292.°46 1.°6/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.17	+ 1 44.2	1.762	2.617	13.2	19.0
2 21	11 53.41	+ 3 8.5	1.674	2.600	9.5	18.7
3 2	11 47.60	+ 4 49.3	1.611	2.584	5.3	18.4
3 12	11 40.41	+ 6 38.8	1.576	2.568	1.7	18.1
3 22	11 32.77	+ 8 27.3	1.569	2.552	4.7	18.3
4 1	11 25.71	+10 4.9	1.590	2.535	9.2	18.5
4 11	11 20.17	+11 23.9	1.635	2.519	13.3	18.7
4 21	11 16.81	+12 20.2	1.701	2.504	16.9	18.9

337560 2001 SU_{264} 3 14.5 135.°69 1.°0/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.98	+ 3 35.0	2.700	3.538	9.7	21.4
2 21	11 53.91	+ 4 15.6	2.631	3.549	6.9	21.3
3 2	11 47.51	+ 5 2.7	2.590	3.560	3.8	21.1
3 12	11 40.35	+ 5 52.0	2.578	3.570	1.0	20.9
3 22	11 33.06	+ 6 39.1	2.597	3.580	3.0	21.0
4 1	11 26.29	+ 7 20.0	2.645	3.589	6.1	21.3
4 11	11 20.61	+ 7 51.4	2.721	3.599	8.9	21.5
4 21	11 16.42	+ 8 11.5	2.820	3.607	11.2	21.6

495404 2014 QF_{359} 3 14.5 231.°11 0.°3/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.21	− 1 29.5	1.943	2.773	13.2	23.6
2 21	11 57.66	− 0 49.4	1.848	2.759	9.8	23.4
3 2	11 50.00	+ 0 5.7	1.778	2.744	5.7	23.1
3 12	11 40.92	+ 1 11.3	1.737	2.729	1.3	22.8
3 22	11 31.34	+ 2 21.0	1.724	2.713	3.3	22.9
4 1	11 22.32	+ 3 27.5	1.740	2.695	7.8	23.1
4 11	11 14.82	+ 4 24.2	1.783	2.677	11.9	23.3
4 21	11 9.50	+ 5 6.6	1.848	2.658	15.4	23.5

259604 2003 UW_{279} 3 14.5 206.°66 0.°4/14.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.73	+ 1 31.4	1.926	2.763	13.0	21.6
2 21	11 58.67	+ 1 55.7	1.843	2.758	9.5	21.4
3 2	11 50.52	+ 2 30.8	1.785	2.753	5.4	21.1
3 12	11 41.01	+ 3 12.1	1.754	2.747	1.1	20.8
3 22	11 31.13	+ 3 53.9	1.753	2.740	3.5	20.9
4 1	11 21.92	+ 4 30.5	1.781	2.733	7.9	21.2
4 11	11 14.33	+ 4 57.0	1.835	2.726	11.8	21.4
4 21	11 8.95	+ 5 10.6	1.910	2.717	15.1	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
301564 2009 HL_{32}			3 14.5 263°.92		1°.1/16.0 17	
	h m	° ′			°	m
2 11	11 56.07	− 5 7.7	2.437	3.256	11.2	20.6
2 21	11 52.06	− 4 20.2	2.348	3.250	8.4	20.4
3 2	11 46.58	− 3 18.1	2.284	3.244	5.2	20.2
3 12	11 40.19	− 2 5.1	2.248	3.238	1.9	19.9
3 22	11 33.54	− 0 46.4	2.242	3.232	2.5	20.0
4 1	11 27.35	+ 0 31.9	2.266	3.226	5.9	20.2
4 11	11 22.28	+ 1 43.8	2.318	3.220	9.1	20.4
4 21	11 18.77	+ 2 44.9	2.393	3.214	12.0	20.6
340766 2006 SF_{327}			3 14.6 91°.66		1°.2/13.1 18	
2 11	11 59.07	+ 4 19.1	2.376	3.221	10.6	21.3
2 21	11 54.12	+ 4 56.5	2.311	3.232	7.6	21.1
3 2	11 47.69	+ 5 40.5	2.272	3.243	4.2	20.9
3 12	11 40.41	+ 6 26.4	2.262	3.254	1.3	20.7
3 22	11 32.98	+ 7 9.3	2.282	3.265	3.4	20.9
4 1	11 26.16	+ 7 45.0	2.331	3.276	6.7	21.1
4 11	11 20.58	+ 8 9.9	2.406	3.287	9.7	21.3
4 21	11 16.66	+ 8 22.6	2.504	3.297	12.3	21.5
306798 2001 OW_{94}			3 14.6 110°.83		1°.6/12.8 18	
2 11	12 5.18	+ 5 55.5	2.407	3.243	10.7	21.5
2 21	11 58.35	+ 6 34.5	2.355	3.272	7.6	21.4
3 2	11 50.01	+ 7 18.1	2.331	3.300	4.3	21.2
3 12	11 40.88	+ 8 1.5	2.337	3.328	1.6	21.1
3 22	11 31.73	+ 8 40.0	2.374	3.354	3.7	21.3
4 1	11 23.34	+ 9 9.5	2.441	3.379	6.9	21.5
4 11	11 16.37	+ 9 27.7	2.536	3.404	9.8	21.7
4 21	11 11.21	+ 9 33.7	2.654	3.427	12.2	21.9
87798 2000 SG_{130}			3 14.6 247°.25		7°.3/21.7 18	
2 11	12 1.64	−19 46.2	2.052	2.795	15.6	19.9
2 21	11 56.57	−20 17.8	1.955	2.785	13.2	19.8
3 2	11 49.41	−20 25.7	1.879	2.776	10.6	19.6
3 12	11 40.82	−20 8.4	1.827	2.766	8.3	19.4
3 22	11 31.71	−19 27.0	1.801	2.756	7.3	19.3
4 1	11 23.12	−18 26.1	1.801	2.746	8.4	19.4
4 11	11 16.03	−17 13.2	1.828	2.735	10.9	19.5
4 21	11 11.09	−15 56.7	1.878	2.724	13.7	19.6
430611 2002 WT_{19}			3 14.6 110°.24		2°.9/18.2 17	
2 11	11 58.15	−10 18.2	2.344	3.137	12.4	21.6
2 21	11 53.55	− 9 53.8	2.267	3.147	9.7	21.4
3 2	11 47.41	− 9 12.2	2.214	3.157	6.6	21.2
3 12	11 40.37	− 8 16.0	2.188	3.167	3.7	21.1
3 22	11 33.13	− 7 9.6	2.191	3.176	3.3	21.0
4 1	11 26.46	− 5 58.7	2.223	3.185	5.8	21.2
4 11	11 21.03	− 4 49.7	2.283	3.194	8.9	21.4
4 21	11 17.28	− 3 47.8	2.368	3.203	11.6	21.6
6446 Lomberg			3 14.6 89°.20		3°.9/10.4 18	
2 11	12 3.24	+ 5 2.5	1.549	2.408	14.5	18.7
2 21	11 57.60	+ 7 34.3	1.511	2.439	10.1	18.5
3 2	11 49.81	+10 15.5	1.499	2.470	5.8	18.3
3 12	11 40.84	+12 52.2	1.516	2.501	3.9	18.3
3 22	11 31.86	+15 11.1	1.563	2.530	6.9	18.5
4 1	11 23.98	+17 2.8	1.638	2.559	10.9	18.8
4 11	11 18.07	+18 23.0	1.738	2.587	14.4	19.1
4 21	11 14.57	+19 12.6	1.856	2.614	17.2	19.3
151702 2003 BL_{20}			3 14.6 324°.34		4°.9/ 8.7 18	
2 11	11 55.83	+12 16.2	1.908	2.780	11.5	18.9
2 21	11 52.31	+13 51.9	1.833	2.765	8.4	18.7
3 2	11 46.91	+15 32.3	1.784	2.751	5.6	18.5
3 12	11 40.30	+17 8.3	1.762	2.737	5.1	18.4
3 22	11 33.33	+18 31.3	1.768	2.723	7.4	18.6
4 1	11 26.94	+19 34.0	1.800	2.710	10.7	18.7
4 11	11 21.98	+20 12.8	1.855	2.697	14.0	18.9
4 21	11 19.03	+20 27.2	1.929	2.685	16.7	19.1
13434 Adamquade			3 14.6 257°.74		0°.8/15.2 18	
2 11	12 1.84	− 2 24.9	1.785	2.619	14.0	19.2
2 21	11 56.86	− 1 53.5	1.691	2.603	10.5	19.0
3 2	11 49.64	− 1 5.5	1.621	2.586	6.3	18.7
3 12	11 40.89	− 0 5.1	1.577	2.569	1.7	18.4
3 22	11 31.60	+ 1 1.3	1.562	2.551	3.4	18.4
4 1	11 22.89	+ 2 6.1	1.574	2.533	8.1	18.7
4 11	11 15.78	+ 3 1.8	1.613	2.515	12.4	18.9
4 21	11 10.98	+ 3 43.6	1.672	2.496	16.2	19.1
230973 2005 AM_{5}			3 14.6 98°.55		4°.0/18.8 18	
2 11	12 4.32	−11 40.9	2.305	3.082	13.1	20.7
2 21	11 57.94	−11 54.7	2.240	3.107	10.4	20.6
3 2	11 49.90	−11 51.6	2.199	3.131	7.4	20.4
3 12	11 40.90	−11 32.8	2.186	3.155	4.7	20.3
3 22	11 31.77	−11 1.4	2.201	3.179	4.2	20.3
4 1	11 23.37	−10 22.0	2.246	3.202	6.2	20.5
4 11	11 16.40	− 9 40.1	2.319	3.224	9.0	20.7
4 21	11 11.31	− 9 0.7	2.416	3.246	11.6	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
43018 1999 VY_{2}			3 14.6 130°.30		3°.6/18.6 18	
	h m	° ′			°	m
2 11	12 0.84	−11 23.1	2.344	3.127	12.7	19.0
2 21	11 55.51	−11 17.6	2.267	3.139	10.0	18.8
3 2	11 48.56	−10 54.9	2.213	3.150	7.0	18.6
3 12	11 40.64	−10 16.8	2.187	3.160	4.3	18.5
3 22	11 32.52	− 9 26.8	2.190	3.171	3.8	18.5
4 1	11 24.99	− 8 30.1	2.222	3.181	6.0	18.6
4 11	11 18.76	− 7 32.7	2.281	3.190	9.0	18.8
4 21	11 14.30	− 6 39.8	2.365	3.199	11.7	19.0
432031 2008 WJ_{42}			3 14.6 160°.01		0°.0/14.6 17	
2 11	12 0.23	+ 0 11.6	2.267	3.101	11.4	21.8
2 21	11 55.10	+ 0 40.9	2.191	3.104	8.3	21.6
3 2	11 48.35	+ 1 20.5	2.139	3.107	4.8	21.4
3 12	11 40.60	+ 2 6.1	2.117	3.109	1.0	21.1
3 22	11 32.63	+ 2 53.0	2.124	3.112	2.9	21.3
4 1	11 25.24	+ 3 36.1	2.160	3.114	6.6	21.5
4 11	11 19.15	+ 4 10.8	2.223	3.116	9.9	21.7
4 21	11 14.84	+ 4 34.5	2.308	3.117	12.8	21.9
503120 2015 FX_{331}			3 14.6 259°.73		1°.9/17.0 17	
2 11	11 56.28	− 9 4.5	2.202	3.008	12.7	21.0
2 21	11 52.36	− 7 53.0	2.113	3.005	9.7	20.7
3 2	11 46.83	− 6 20.6	2.049	3.003	6.2	20.5
3 12	11 40.30	− 4 32.0	2.013	3.000	2.8	20.3
3 22	11 33.50	− 2 34.2	2.008	2.997	2.7	20.3
4 1	11 27.24	− 0 35.7	2.032	2.994	6.3	20.5
4 11	11 22.22	+ 1 15.2	2.085	2.991	9.8	20.7
4 21	11 18.93	+ 2 52.0	2.162	2.989	12.9	20.9
331504 1999 UJ_{16}			3 14.6 171°.44		3°.8/19.5 17	
2 11	11 59.35	−13 58.4	2.585	3.351	12.1	21.7
2 21	11 54.37	−13 37.6	2.496	3.355	9.7	21.5
3 2	11 47.90	−12 58.5	2.431	3.358	7.0	21.4
3 12	11 40.52	−12 2.9	2.393	3.360	4.6	21.2
3 22	11 32.90	−10 54.2	2.384	3.362	3.9	21.2
4 1	11 25.79	− 9 37.9	2.406	3.364	5.7	21.3
4 11	11 19.82	− 8 20.2	2.455	3.365	8.4	21.5
4 21	11 15.46	− 7 6.8	2.530	3.365	11.0	21.6
157806 1995 UY_{13}			3 14.6 318°.23		0°.8/15.4 17	
2 11	11 59.39	− 2 38.0	1.835	2.671	13.6	20.9
2 21	11 54.87	− 2 6.4	1.756	2.669	10.1	20.7
3 2	11 48.38	− 1 19.3	1.701	2.666	6.0	20.5
3 12	11 40.64	− 0 21.2	1.673	2.664	1.7	20.2
3 22	11 32.57	+ 0 41.7	1.672	2.662	3.1	20.3
4 1	11 25.16	+ 1 42.3	1.700	2.660	7.5	20.5
4 11	11 19.31	+ 2 34.1	1.753	2.658	11.4	20.7
4 21	11 15.56	+ 3 12.7	1.827	2.656	14.8	21.0
264619 2001 VL_{28}			3 14.6 69°.98		7°.7/ 8.1 18	
2 11	12 6.41	+21 10.3	1.656	2.519	13.5	20.0
2 21	11 59.86	+22 17.7	1.622	2.539	10.4	19.8
3 2	11 51.09	+23 16.0	1.611	2.560	8.1	19.7
3 12	11 41.16	+23 56.3	1.627	2.580	7.9	19.8
3 22	11 31.27	+24 12.4	1.669	2.601	9.7	19.9
4 1	11 22.60	+24 2.5	1.736	2.621	12.5	20.1
4 11	11 16.02	+23 28.0	1.825	2.642	15.2	20.4
4 21	11 11.96	+22 33.2	1.932	2.662	17.5	20.6
411212 2010 NV_{22}			3 14.6 79°.31		0°.4/15.1 18	
2 11	12 0.76	− 6 48.0	1.721	2.543	15.0	20.7
2 21	11 55.69	− 4 44.5	1.667	2.573	11.0	20.5
3 2	11 48.70	− 2 18.9	1.638	2.602	6.4	20.3
3 12	11 40.68	+ 0 19.1	1.640	2.632	1.6	20.1
3 22	11 32.60	+ 2 56.9	1.672	2.660	3.4	20.3
4 1	11 25.47	+ 5 22.5	1.734	2.689	7.8	20.6
4 11	11 20.06	+ 7 26.9	1.824	2.717	11.7	20.9
4 21	11 16.81	+ 9 5.4	1.937	2.744	14.9	21.2
307420 2002 TK_{242}			3 14.6 92°.59		3°.8/10.8 18	
2 11	12 3.70	+ 9 40.0	1.804	2.662	12.8	20.9
2 21	11 57.73	+10 57.6	1.762	2.689	9.1	20.7
3 2	11 49.84	+12 18.3	1.746	2.715	5.5	20.5
3 12	11 40.91	+13 33.5	1.758	2.741	3.8	20.5
3 22	11 31.96	+14 35.7	1.798	2.766	6.2	20.7
4 1	11 23.99	+15 19.7	1.866	2.790	9.6	20.9
4 11	11 17.79	+15 43.1	1.959	2.814	12.8	21.2
4 21	11 13.78	+15 46.7	2.071	2.837	15.4	21.4
337487 2001 SR_{86}			3 14.6 159°.15		0°.1/14.7 17	
2 11	11 57.60	− 1 21.0	2.514	3.342	10.6	21.2
2 21	11 53.09	− 0 28.7	2.435	3.346	7.7	21.0
3 2	11 47.17	+ 0 34.8	2.384	3.350	4.5	20.8
3 12	11 40.39	+ 1 45.3	2.361	3.353	1.0	20.5
3 22	11 33.42	+ 2 57.2	2.368	3.356	2.6	20.7
4 1	11 26.94	+ 4 5.2	2.406	3.359	6.0	20.9
4 11	11 21.59	+ 5 4.3	2.471	3.362	9.1	21.1
4 21	11 17.79	+ 5 51.3	2.559	3.364	11.8	21.3

208874 2002 TL_{41} 3 14.6 35°.58 19°.9/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 26.56	+41 32.7	0.987	1.818	22.9	19.4
2 21	12 16.19	+42 44.3	0.960	1.823	21.0	19.2
3 2	12 0.89	+43 13.2	0.949	1.829	20.0	19.2
3 12	11 43.16	+42 42.4	0.957	1.836	20.1	19.2
3 22	11 26.09	+41 7.4	0.982	1.843	21.5	19.3
4 1	11 12.34	+38 36.0	1.025	1.851	23.6	19.5
4 11	11 3.31	+35 24.6	1.085	1.859	25.9	19.7
4 21	10 59.12	+31 50.2	1.158	1.867	28.0	19.9

316813 1999 VT_{161} 3 14.6 111°.77 1°.0/13.6 18

2 11	12 5.43	+ 2 45.8	1.937	2.776	12.9	21.8
2 21	11 58.90	+ 3 26.1	1.882	2.799	9.2	21.6
3 2	11 50.51	+ 4 15.5	1.853	2.822	5.2	21.4
3 12	11 41.07	+ 5 8.1	1.852	2.844	1.2	21.2
3 22	11 31.56	+ 5 57.8	1.881	2.866	3.7	21.4
4 1	11 22.95	+ 6 39.0	1.939	2.886	7.7	21.7
4 11	11 16.03	+ 7 7.9	2.023	2.906	11.2	21.9
4 21	11 11.25	+ 7 22.6	2.129	2.925	14.1	22.2

331793 2003 MV_{4} 3 14.6 243°.46 6°.3/21.4 18

2 11	12 1.18	−19 6.8	2.354	3.091	14.0	21.2
2 21	11 56.05	−19 26.3	2.248	3.077	11.8	21.0
3 2	11 49.07	−19 24.6	2.164	3.062	9.3	20.8
3 12	11 40.82	−19 0.9	2.106	3.047	7.2	20.7
3 22	11 32.10	−18 16.5	2.074	3.032	6.3	20.6
4 1	11 23.80	−17 15.5	2.070	3.015	7.4	20.6
4 11	11 16.76	−16 4.6	2.093	2.999	9.8	20.7
4 21	11 11.61	−14 51.0	2.141	2.982	12.5	20.9

327025 2004 RW_{229} 3 14.6 216°.61 0°.9/15.6 17

2 11	11 59.98	− 3 36.6	2.445	3.262	11.2	21.8
2 21	11 54.93	− 2 58.2	2.351	3.253	8.4	21.6
3 2	11 48.30	− 2 6.5	2.283	3.244	5.1	21.4
3 12	11 40.65	− 1 5.1	2.243	3.234	1.6	21.1
3 22	11 32.68	+ 0 1.3	2.234	3.223	2.6	21.2
4 1	11 25.16	+ 1 6.8	2.255	3.212	6.1	21.4
4 11	11 18.82	+ 2 6.1	2.303	3.200	9.5	21.6
4 21	11 14.14	+ 2 55.0	2.376	3.188	12.4	21.7

204417 2004 VT_{56} 3 14.6 243°.11 2°.8/17.0 17

2 11	12 4.01	− 7 29.6	1.857	2.666	14.6	21.1
2 21	11 58.46	− 7 18.2	1.756	2.649	11.3	20.8
3 2	11 50.61	− 6 47.5	1.679	2.631	7.5	20.6
3 12	11 41.17	− 5 59.5	1.627	2.612	3.7	20.3
3 22	11 31.11	− 4 58.8	1.605	2.592	3.7	20.2
4 1	11 21.57	− 3 52.4	1.611	2.572	7.7	20.4
4 11	11 13.62	− 2 48.2	1.643	2.551	11.9	20.6
4 21	11 7.99	− 1 52.8	1.697	2.529	15.7	20.8

107421 2001 DF_{11} 3 14.6 65°.30 1°.0/13.8 18

2 11	12 3.76	+ 2 21.5	1.408	2.264	15.8	20.1
2 21	11 58.28	+ 2 58.9	1.356	2.282	11.3	19.9
3 2	11 50.37	+ 3 48.7	1.327	2.299	6.4	19.6
3 12	11 41.07	+ 4 43.7	1.324	2.317	1.4	19.3
3 22	11 31.64	+ 5 35.8	1.347	2.334	4.5	19.6
4 1	11 23.34	+ 6 17.5	1.397	2.352	9.3	19.9
4 11	11 17.17	+ 6 43.7	1.471	2.370	13.6	20.2
4 21	11 13.65	+ 6 52.4	1.564	2.387	17.1	20.5

109722 2001 RL_{55} 3 14.6 221°.08 0°.3/14.2 18

2 11	11 59.70	+ 1 32.0	2.583	3.416	10.2	20.8
2 21	11 54.64	+ 2 1.6	2.495	3.409	7.4	20.6
3 2	11 48.09	+ 2 39.6	2.433	3.401	4.2	20.4
3 12	11 40.61	+ 3 22.3	2.400	3.392	0.8	20.1
3 22	11 32.86	+ 4 5.4	2.397	3.384	2.8	20.2
4 1	11 25.57	+ 4 44.5	2.424	3.375	6.2	20.4
4 11	11 19.39	+ 5 15.8	2.478	3.366	9.3	20.6
4 21	11 14.78	+ 5 36.7	2.556	3.356	11.9	20.8

473113 2015 HA_{174} 3 14.6 237°.39 3°.8/ 9.4 17

2 11	11 58.44	+13 50.0	2.655	3.512	9.2	21.2
2 21	11 53.71	+14 52.0	2.579	3.503	6.7	21.0
3 2	11 47.55	+15 54.9	2.531	3.494	4.5	20.8
3 12	11 40.50	+16 52.9	2.511	3.484	3.9	20.8
3 22	11 33.21	+17 40.9	2.521	3.474	5.6	20.9
4 1	11 26.39	+18 14.9	2.559	3.465	8.2	21.0
4 11	11 20.67	+18 32.9	2.623	3.454	10.7	21.2
4 21	11 16.49	+18 34.4	2.707	3.444	12.9	21.3

83179 2001 QS_{287} 3 14.6 228°.77 1°.6/16.2 18

2 11	12 2.61	− 4 29.4	2.200	3.014	12.4	20.4
2 21	11 57.05	− 4 14.1	2.103	3.002	9.4	20.2
3 2	11 49.62	− 3 44.6	2.032	2.990	5.9	20.0
3 12	11 40.95	− 3 3.8	1.988	2.977	2.3	19.7
3 22	11 31.87	− 2 15.9	1.974	2.963	2.9	19.7
4 1	11 23.28	− 1 26.4	1.989	2.949	6.6	19.9
4 11	11 16.03	− 0 40.9	2.032	2.934	10.3	20.1
4 21	11 10.71	− 0 3.9	2.098	2.918	13.5	20.3

122859 2000 SP_{132} 3 14.6 238°.45 5°.3/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 1.78	−16 34.2	2.399	3.150	13.4	20.6
2 21	11 56.45	−16 43.7	2.291	3.134	11.1	20.4
3 2	11 49.29	−16 33.3	2.205	3.117	8.5	20.2
3 12	11 40.89	−16 2.8	2.146	3.100	6.2	20.0
3 22	11 32.02	−15 14.1	2.114	3.082	5.4	19.9
4 1	11 23.55	−14 11.6	2.112	3.063	6.9	20.0
4 11	11 16.31	−13 1.8	2.137	3.044	9.6	20.1
4 21	11 10.90	−11 51.5	2.186	3.024	12.4	20.2

500243 2012 JG_{38} 3 14.6 311°.63 2°.5/11.9 17

2 11	11 56.86	+ 3 34.5	1.562	2.427	14.0	21.2
2 21	11 53.43	+ 5 4.4	1.481	2.413	10.1	20.9
3 2	11 47.76	+ 6 50.4	1.424	2.398	5.7	20.6
3 12	11 40.58	+ 8 43.3	1.394	2.384	2.5	20.4
3 22	11 32.92	+10 32.1	1.391	2.370	5.8	20.5
4 1	11 25.94	+12 5.8	1.414	2.357	10.4	20.8
4 11	11 20.67	+13 16.8	1.461	2.344	14.7	21.0
4 21	11 17.77	+14 1.8	1.527	2.332	18.4	21.2

334326 2001 XH 3 14.6 86°.02 10°.6/22.1 18

2 11	12 16.28	−21 50.3	1.584	2.311	20.1	20.7
2 21	12 7.57	−23 36.0	1.526	2.338	17.2	20.6
3 2	11 55.86	−24 52.2	1.489	2.366	14.1	20.4
3 12	11 42.26	−25 33.6	1.475	2.393	11.6	20.3
3 22	11 28.28	−25 39.3	1.487	2.419	10.6	20.4
4 1	11 15.52	−25 14.1	1.524	2.445	11.5	20.5
4 11	11 5.30	−24 28.1	1.586	2.470	13.7	20.7
4 21	10 58.32	−23 32.3	1.669	2.495	16.1	20.9

496904 2001 QU_{151} 3 14.6 170°.51 3°.0/18.7 17

2 11	11 59.08	−11 18.2	2.957	3.731	10.6	22.8
2 21	11 54.02	−11 8.2	2.868	3.735	8.3	22.6
3 2	11 47.67	−10 44.1	2.804	3.738	5.9	22.5
3 12	11 40.52	−10 7.6	2.768	3.741	3.6	22.3
3 22	11 33.18	− 9 21.4	2.763	3.743	3.1	22.3
4 1	11 26.25	− 8 29.6	2.787	3.745	5.0	22.4
4 11	11 20.32	− 7 36.7	2.840	3.746	7.5	22.6
4 21	11 15.79	− 6 46.9	2.919	3.747	9.9	22.7

240686 2005 EW_{188} 3 14.6 241°.70 1°.6/16.4 17

2 11	11 57.52	− 5 55.2	2.219	3.037	12.2	20.8
2 21	11 53.26	− 5 16.9	2.134	3.034	9.2	20.6
3 2	11 47.38	− 4 22.5	2.073	3.031	5.8	20.4
3 12	11 40.48	− 3 15.7	2.039	3.028	2.3	20.1
3 22	11 33.30	− 2 1.9	2.035	3.024	2.7	20.1
4 1	11 26.64	− 0 47.5	2.060	3.021	6.2	20.4
4 11	11 21.24	+ 0 21.1	2.112	3.018	9.7	20.6
4 21	11 17.58	+ 1 19.1	2.187	3.015	12.7	20.7

140636 2001 UB_{21} 3 14.6 82°.76 3°.6/18.4 18

2 11	12 3.51	−10 9.0	2.339	3.123	12.7	19.9
2 21	11 57.37	−10 28.3	2.273	3.146	10.0	19.7
3 2	11 49.62	−10 32.2	2.231	3.168	7.0	19.6
3 12	11 40.93	−10 22.0	2.217	3.190	4.3	19.4
3 22	11 32.09	−10 0.3	2.232	3.212	3.9	19.4
4 1	11 23.94	− 9 31.3	2.277	3.234	6.1	19.6
4 11	11 17.17	− 9 0.0	2.349	3.255	8.9	19.8
4 21	11 12.23	− 8 30.8	2.445	3.276	11.5	20.0

425258 2009 WS_{84} 3 14.6 177°.81 1°.3/13.4 17

2 11	12 2.88	+ 4 28.4	2.053	2.897	12.0	21.8
2 21	11 57.20	+ 4 56.1	1.978	2.898	8.7	21.6
3 2	11 49.65	+ 5 31.3	1.928	2.899	4.9	21.4
3 12	11 40.95	+ 6 9.0	1.907	2.899	1.4	21.1
3 22	11 32.00	+ 6 43.9	1.915	2.899	3.8	21.3
4 1	11 23.72	+ 7 11.1	1.952	2.899	7.7	21.5
4 11	11 16.93	+ 7 27.0	2.015	2.899	11.2	21.7
4 21	11 12.16	+ 7 29.8	2.099	2.898	14.2	21.9

506384 2017 RA_{7} 3 14.6 144°.32 1°.1/12.9 17

2 11	11 57.29	+ 2 50.8	2.859	3.696	9.2	22.0
2 21	11 52.71	+ 3 56.7	2.788	3.706	6.6	21.9
3 2	11 46.89	+ 5 9.9	2.745	3.715	3.6	21.7
3 12	11 40.36	+ 6 25.7	2.732	3.724	1.1	21.5
3 22	11 33.69	+ 7 39.1	2.751	3.733	3.0	21.7
4 1	11 27.48	+ 8 45.3	2.800	3.741	6.0	21.9
4 11	11 22.25	+ 9 40.6	2.876	3.748	8.6	22.1
4 21	11 18.40	+10 22.8	2.977	3.756	10.9	22.2

190506 2000 HO_{18} 3 14.6 191°.09 2°.6/12.3 18

2 11	12 5.44	+ 6 43.7	1.795	2.646	13.2	20.8
2 21	11 59.32	+ 7 34.9	1.721	2.645	9.5	20.5
3 2	11 50.98	+ 8 33.7	1.672	2.643	5.4	20.3
3 12	11 41.25	+ 9 32.9	1.652	2.641	2.6	20.1
3 22	11 31.17	+10 25.3	1.660	2.638	5.2	20.2
4 1	11 21.88	+11 4.4	1.696	2.634	9.3	20.5
4 11	11 14.36	+11 26.4	1.756	2.629	13.2	20.7
4 21	11 9.20	+11 30.2	1.838	2.624	16.4	20.9

300171 2006 VS_{151} 3 14.6 204°.09 5°.6/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.18	+22 54.7	2.824	3.668	9.1	20.9
2 21	11 57.02	+23 42.3	2.759	3.664	7.2	20.8
3 2	11 49.39	+24 23.6	2.722	3.660	5.8	20.7
3 12	11 40.89	+24 53.4	2.713	3.655	5.8	20.6
3 22	11 32.23	+25 7.9	2.734	3.650	7.1	20.7
4 1	11 24.15	+25 4.7	2.781	3.644	9.1	20.8
4 11	11 17.30	+24 43.8	2.853	3.638	11.1	21.0
4 21	11 12.09	+24 6.9	2.946	3.632	12.9	21.1

285347 1999 RB_{70} 3 14.6 191°.52 0°.2/14.7 18

2 11	12 3.09	− 0 49.9	2.040	2.870	12.7	22.1
2 21	11 57.41	− 0 13.1	1.958	2.869	9.3	21.9
3 2	11 49.82	+ 0 36.5	1.901	2.867	5.4	21.6
3 12	11 41.00	+ 1 34.4	1.872	2.864	1.2	21.3
3 22	11 31.86	+ 2 34.7	1.872	2.861	3.1	21.5
4 1	11 23.35	+ 3 31.0	1.902	2.857	7.3	21.7
4 11	11 16.33	+ 4 17.7	1.959	2.852	11.0	21.9
4 21	11 11.35	+ 4 51.4	2.038	2.846	14.2	22.1

39387 4150 *P–L* 3 14.6 123°.14 1°.3/16.1 18

2 11	11 59.76	− 5 44.7	2.185	2.999	12.5	19.7
2 21	11 54.79	− 4 53.2	2.114	3.014	9.3	19.5
3 2	11 48.19	− 3 45.8	2.069	3.028	5.7	19.3
3 12	11 40.65	− 2 27.0	2.052	3.042	2.1	19.1
3 22	11 32.94	− 1 3.0	2.065	3.055	2.7	19.2
4 1	11 25.88	+ 0 19.2	2.108	3.068	6.3	19.4
4 11	11 20.17	+ 1 33.2	2.178	3.080	9.7	19.7
4 21	11 16.27	+ 2 34.7	2.272	3.091	12.6	19.9

497126 2004 NO_6 3 14.6 221°.34 2°.8/10.9 17

2 11	12 1.35	+ 9 33.2	2.664	3.510	9.5	22.6
2 21	11 55.84	+10 34.3	2.576	3.498	6.9	22.4
3 2	11 48.81	+11 39.5	2.516	3.484	4.1	22.2
3 12	11 40.79	+12 43.3	2.486	3.469	2.8	22.1
3 22	11 32.48	+13 40.5	2.487	3.454	4.7	22.2
4 1	11 24.60	+14 26.2	2.517	3.438	7.6	22.3
4 11	11 17.83	+14 57.6	2.574	3.421	10.4	22.5
4 21	11 12.65	+15 13.4	2.654	3.403	12.8	22.6

336037 2007 VM_{234} 3 14.6 181°.80 0°.2/14.4 17

2 11	11 59.08	+ 0 42.7	2.750	3.579	9.8	21.8
2 21	11 54.08	+ 1 17.5	2.668	3.580	7.1	21.6
3 2	11 47.73	+ 2 0.6	2.613	3.580	4.1	21.4
3 12	11 40.56	+ 2 48.6	2.587	3.580	0.8	21.2
3 22	11 33.19	+ 3 37.2	2.592	3.579	2.5	21.3
4 1	11 26.27	+ 4 22.1	2.627	3.578	5.7	21.5
4 11	11 20.40	+ 4 59.5	2.690	3.577	8.6	21.7
4 21	11 16.00	+ 5 27.0	2.776	3.575	11.1	21.9

67882 2000 WR_{47} 3 14.6 135°.84 2°.2/16.7 18

2 11	12 1.86	− 6 53.5	1.697	2.518	15.2	19.8
2 21	11 56.78	− 6 20.8	1.625	2.525	11.6	19.6
3 2	11 49.54	− 5 27.5	1.575	2.532	7.4	19.3
3 12	11 40.96	− 4 17.8	1.551	2.539	3.2	19.1
3 22	11 32.08	− 2 58.6	1.556	2.545	3.4	19.1
4 1	11 24.01	− 1 38.5	1.588	2.551	7.6	19.4
4 11	11 17.70	− 0 25.7	1.646	2.556	11.7	19.6
4 21	11 13.70	+ 0 33.7	1.726	2.562	15.2	19.9

498619 2008 RQ_{110} 3 14.6 187°.01 0°.9/13.6 17

2 11	11 59.78	+ 2 20.8	2.262	3.102	11.2	22.0
2 21	11 54.84	+ 3 8.7	2.183	3.102	8.1	21.8
3 2	11 48.27	+ 4 6.0	2.131	3.101	4.5	21.6
3 12	11 40.68	+ 5 7.8	2.108	3.100	1.1	21.3
3 22	11 32.85	+ 6 8.3	2.114	3.099	3.4	21.5
4 1	11 25.58	+ 7 1.9	2.150	3.097	7.0	21.7
4 11	11 19.59	+ 7 44.2	2.211	3.095	10.4	21.9
4 21	11 15.36	+ 8 12.6	2.296	3.093	13.2	22.1

504981 2011 HD_{13} 3 14.6 323°.85 6°.4/ 9.2 17

2 11	12 2.37	+16 41.0	1.594	2.465	13.4	20.4
2 21	11 57.44	+17 36.2	1.521	2.449	10.1	20.2
3 2	11 50.06	+18 29.5	1.472	2.434	7.3	20.0
3 12	11 41.09	+19 11.8	1.449	2.419	6.6	19.9
3 22	11 31.68	+19 35.0	1.452	2.405	8.9	20.0
4 1	11 23.10	+19 34.1	1.479	2.392	12.4	20.2
4 11	11 16.46	+19 8.1	1.528	2.379	16.0	20.4
4 21	11 12.40	+18 19.2	1.595	2.367	19.1	20.6

218741 2005 UO_{457} 3 14.6 77°.62 4°.6/ 9.7 18

2 11	12 0.40	+10 53.8	1.727	2.594	12.8	19.8
2 21	11 55.55	+12 31.6	1.682	2.612	9.2	19.6
3 2	11 48.72	+14 12.3	1.662	2.630	5.8	19.5
3 12	11 40.76	+15 46.1	1.670	2.648	4.8	19.4
3 22	11 32.70	+17 4.3	1.706	2.666	7.2	19.6
4 1	11 25.53	+18 0.6	1.768	2.683	10.5	19.8
4 11	11 20.09	+18 32.6	1.853	2.701	13.7	20.1
4 21	11 16.84	+18 41.0	1.958	2.718	16.4	20.3

182562 2001 TK_{138} 3 14.6 206°.49 2°.3/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 2.75	+ 6 33.5	1.929	2.781	12.3	20.7
2 21	11 57.25	+ 7 18.6	1.854	2.778	8.9	20.5
3 2	11 49.76	+ 8 10.6	1.803	2.775	5.1	20.2
3 12	11 41.01	+ 9 3.4	1.781	2.771	2.3	20.0
3 22	11 31.95	+ 9 50.5	1.788	2.767	4.8	20.2
4 1	11 23.59	+10 26.0	1.823	2.763	8.7	20.4
4 11	11 16.80	+10 46.4	1.882	2.758	12.3	20.6
4 21	11 12.14	+10 50.2	1.963	2.753	15.4	20.8

229560 2005 YV_{272} 3 14.6 135°.86 3°.8/10.8 18

2 11	12 1.37	+10 39.0	1.913	2.774	12.0	20.4
2 21	11 56.21	+11 38.3	1.848	2.776	8.7	20.2
3 2	11 49.13	+12 40.8	1.809	2.778	5.3	20.0
3 12	11 40.87	+13 39.4	1.797	2.780	3.8	19.9
3 22	11 32.38	+14 27.1	1.814	2.782	6.1	20.1
4 1	11 24.64	+14 58.8	1.858	2.784	9.5	20.3
4 11	11 18.49	+15 11.7	1.926	2.785	12.8	20.5
4 21	11 14.43	+15 5.8	2.014	2.787	15.6	20.7

401057 2011 UP_{35} 3 14.6 175°.25 3°.4/11.4 18

2 11	12 5.27	+ 9 19.9	1.887	2.740	12.5	21.7
2 21	11 59.07	+10 18.8	1.819	2.743	9.0	21.5
3 2	11 50.79	+11 22.4	1.777	2.746	5.4	21.3
3 12	11 41.23	+12 23.2	1.762	2.747	3.4	21.2
3 22	11 31.41	+13 14.2	1.777	2.748	5.8	21.3
4 1	11 22.38	+13 49.5	1.820	2.748	9.5	21.5
4 11	11 15.06	+14 6.4	1.888	2.748	13.0	21.7
4 21	11 9.99	+14 4.5	1.976	2.746	15.9	21.9

292673 2006 UK_{78} 3 14.6 175°.28 0°.3/14.2 17

2 11	11 59.58	+ 1 41.5	2.429	3.265	10.7	21.1
2 21	11 54.59	+ 2 5.8	2.350	3.265	7.7	20.9
3 2	11 48.09	+ 2 38.3	2.297	3.266	4.4	20.7
3 12	11 40.66	+ 3 15.4	2.273	3.266	0.9	20.4
3 22	11 33.01	+ 3 52.6	2.279	3.266	2.8	20.6
4 1	11 25.89	+ 4 25.6	2.314	3.266	6.3	20.8
4 11	11 19.97	+ 4 50.7	2.376	3.266	9.5	21.0
4 21	11 15.69	+ 5 5.6	2.461	3.266	12.2	21.2

262630 2006 WX_{27} 3 14.6 106°.43 1°.3/15.8 18

2 11	12 1.53	− 3 40.0	1.741	2.573	14.4	21.0
2 21	11 56.49	− 3 13.5	1.670	2.579	10.8	20.7
3 2	11 49.36	− 2 30.4	1.622	2.585	6.5	20.5
3 12	11 40.94	− 1 35.2	1.601	2.591	2.2	20.2
3 22	11 32.25	− 0 34.2	1.607	2.597	3.2	20.3
4 1	11 24.34	+ 0 25.4	1.642	2.603	7.6	20.6
4 11	11 18.12	+ 1 16.7	1.702	2.609	11.6	20.8
4 21	11 14.15	+ 1 55.3	1.783	2.615	15.0	21.1

323090 2002 VP_{21} 3 14.6 66°.97 0°.4/14.9 18

2 11	12 5.52	− 0 27.4	1.530	2.372	15.5	20.8
2 21	11 59.31	− 0 7.0	1.484	2.400	11.3	20.6
3 2	11 50.87	+ 0 27.1	1.461	2.428	6.5	20.3
3 12	11 41.23	+ 1 9.3	1.464	2.456	1.5	20.1
3 22	11 31.57	+ 1 52.9	1.495	2.484	3.6	20.3
4 1	11 23.06	+ 2 31.2	1.553	2.511	8.2	20.6
4 11	11 16.60	+ 2 59.0	1.636	2.539	12.2	20.9
4 21	11 12.65	+ 3 13.5	1.740	2.566	15.6	21.2

493578 2015 KZ_{144} 3 14.6 327°.44 1°.8/16.6 17

2 11	11 57.76	− 5 26.0	2.126	2.947	12.6	21.3
2 21	11 53.54	− 5 6.9	2.040	2.942	9.5	21.1
3 2	11 47.61	− 4 32.6	1.978	2.936	6.0	20.9
3 12	11 40.59	− 3 46.1	1.943	2.931	2.6	20.7
3 22	11 33.25	− 2 52.1	1.937	2.926	2.9	20.7
4 1	11 26.46	− 1 56.4	1.959	2.922	6.4	20.9
4 11	11 20.96	− 1 4.9	2.007	2.917	9.9	21.1
4 21	11 17.29	− 0 22.2	2.079	2.913	13.1	21.3

501117 2013 TA_{15} 3 14.6 222°.29 1°.0/13.5 17

2 11	12 0.68	+ 2 17.0	2.216	3.056	11.4	22.8
2 21	11 55.60	+ 3 9.8	2.129	3.047	8.3	22.5
3 2	11 48.78	+ 4 13.1	2.067	3.037	4.7	22.3
3 12	11 40.84	+ 5 21.7	2.034	3.027	1.2	22.0
3 22	11 32.54	+ 6 29.4	2.031	3.016	3.6	22.2
4 1	11 24.77	+ 7 30.1	2.058	3.004	7.4	22.4
4 11	11 18.30	+ 8 18.6	2.110	2.992	10.9	22.6
4 21	11 13.67	+ 8 52.2	2.186	2.979	13.9	22.8

168546 1999 VA_{189} 3 14.6 123°.91 2°.2/12.4 18

2 11	12 3.56	+ 5 37.0	1.854	2.704	12.8	20.3
2 21	11 57.74	+ 6 35.3	1.795	2.719	9.2	20.1
3 2	11 49.97	+ 7 41.2	1.762	2.733	5.2	19.8
3 12	11 41.06	+ 8 47.6	1.757	2.747	2.2	19.7
3 22	11 32.00	+ 9 47.3	1.781	2.760	4.8	19.9
4 1	11 23.79	+10 34.3	1.832	2.772	8.7	20.1
4 11	11 17.26	+11 4.8	1.910	2.784	12.2	20.4
4 21	11 12.91	+11 17.6	2.008	2.795	15.1	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
237483 2000 HY_{27}			3 14.6 240°70	12°0/ 1.5 18		
	h m	° ′			°	m
2 11	12 12.64	+34 39.5	1.852	2.678	13.9	20.1
2 21	12 4.97	+36 18.6	1.795	2.662	12.5	19.9
3 2	11 54.43	+37 40.0	1.761	2.644	12.0	19.9
3 12	11 42.04	+38 32.0	1.752	2.626	12.6	19.9
3 22	11 29.22	+38 47.3	1.766	2.607	14.3	19.9
4 1	11 17.50	+38 23.7	1.802	2.587	16.5	20.0
4 11	11 8.12	+37 24.7	1.856	2.566	18.6	20.1
4 21	11 1.79	+35 57.1	1.925	2.545	20.6	20.3
496338 2013 PS_{25}			3 14.6 190°66	4°0/18.6 17		
2 11	12 2.91	−11 21.2	2.220	3.003	13.4	22.0
2 21	11 57.24	−11 30.2	2.131	3.002	10.6	21.8
3 2	11 49.74	−11 21.7	2.065	3.000	7.6	21.6
3 12	11 41.05	−10 56.6	2.026	2.998	4.8	21.4
3 22	11 32.00	−10 17.8	2.016	2.996	4.2	21.4
4 1	11 23.50	− 9 30.2	2.035	2.993	6.6	21.5
4 11	11 16.38	− 8 39.9	2.081	2.990	9.7	21.7
4 21	11 11.20	− 7 52.5	2.151	2.986	12.7	21.9
311597 2006 KT_{48}			3 14.6 135°34	2°0/12.8 18		
2 11	12 3.36	+ 4 23.0	1.704	2.556	13.7	21.4
2 21	11 57.81	+ 5 19.3	1.641	2.565	9.8	21.2
3 2	11 50.11	+ 6 25.5	1.602	2.573	5.5	20.9
3 12	11 41.12	+ 7 34.3	1.590	2.581	2.0	20.7
3 22	11 31.89	+ 8 37.8	1.607	2.589	4.8	20.9
4 1	11 23.54	+ 9 28.9	1.651	2.596	9.0	21.2
4 11	11 16.98	+10 3.1	1.720	2.602	12.9	21.4
4 21	11 12.75	+10 18.7	1.809	2.608	16.1	21.6
68897 2002 JV_{85}			3 14.6 239°52	0°1/14.7 18		
2 11	12 2.20	+ 0 35.6	2.364	3.194	11.2	19.5
2 21	11 56.65	+ 0 54.4	2.269	3.180	8.2	19.3
3 2	11 49.38	+ 1 22.7	2.199	3.166	4.8	19.0
3 12	11 40.98	+ 1 57.0	2.159	3.151	1.0	18.7
3 22	11 32.21	+ 2 33.1	2.148	3.136	2.8	18.8
4 1	11 23.91	+ 3 6.4	2.167	3.121	6.6	19.0
4 11	11 16.84	+ 3 32.7	2.213	3.105	10.0	19.2
4 21	11 11.55	+ 3 49.1	2.283	3.088	13.0	19.4
374516 2005 YH_{251}			3 14.6 141°76	3°0/17.6 17		
2 11	12 0.82	− 8 26.9	2.004	2.810	13.8	21.1
2 21	11 55.82	− 8 18.8	1.924	2.814	10.7	20.9
3 2	11 48.94	− 7 53.0	1.868	2.816	7.1	20.7
3 12	11 40.88	− 7 11.6	1.837	2.819	3.8	20.5
3 22	11 32.53	− 6 19.3	1.835	2.822	3.5	20.5
4 1	11 24.81	− 5 21.9	1.862	2.824	6.7	20.7
4 11	11 18.57	− 4 26.2	1.915	2.827	10.2	20.9
4 21	11 14.33	− 3 37.7	1.991	2.829	13.4	21.1
92622 2000 QB_{6}			3 14.6 117°94	1°2/15.4 18		
2 11	12 9.22	− 0 50.9	1.635	2.466	15.2	18.8
2 21	12 2.14	− 1 2.1	1.568	2.478	11.3	18.5
3 2	11 52.63	− 1 0.9	1.525	2.489	6.8	18.3
3 12	11 41.66	− 0 50.5	1.508	2.499	2.1	18.0
3 22	11 30.41	− 0 35.3	1.520	2.510	3.5	18.1
4 1	11 20.17	− 0 20.4	1.561	2.520	8.1	18.4
4 11	11 11.98	− 0 11.0	1.627	2.529	12.3	18.7
4 21	11 6.42	− 0 10.1	1.714	2.538	15.8	19.0
258257 2001 TF_{195}			3 14.6 182°87	4°3/ 9.7 16		
2 11	12 2.09	+12 53.8	2.193	3.050	10.9	21.4
2 21	11 56.58	+14 7.7	2.126	3.050	7.9	21.2
3 2	11 49.30	+15 23.2	2.086	3.051	5.2	21.1
3 12	11 40.95	+16 33.0	2.075	3.050	4.4	21.0
3 22	11 32.36	+17 30.6	2.093	3.049	6.4	21.1
4 1	11 24.42	+18 10.9	2.139	3.048	9.4	21.3
4 11	11 17.89	+18 31.8	2.210	3.045	12.2	21.5
4 21	11 13.28	+18 33.3	2.301	3.043	14.7	21.6
194924 2002 AP_{128}			3 14.6 99°97	2°3/12.7 18		
2 11	12 6.37	+ 5 36.8	1.592	2.445	14.4	20.5
2 21	11 59.93	+ 6 28.9	1.543	2.467	10.3	20.3
3 2	11 51.26	+ 7 29.0	1.518	2.489	5.8	20.0
3 12	11 41.35	+ 8 29.0	1.520	2.511	2.4	19.9
3 22	11 31.37	+ 9 21.3	1.551	2.532	5.1	20.1
4 1	11 22.50	+ 9 59.7	1.609	2.552	9.4	20.4
4 11	11 15.65	+10 20.5	1.691	2.572	13.2	20.7
4 21	11 11.30	+10 23.3	1.794	2.591	16.3	20.9
23223 2000 WA			3 14.6 96°22	1°6/13.0 18		
2 11	12 1.95	+ 4 20.8	1.966	2.813	12.3	19.2
2 21	11 56.48	+ 5 6.9	1.908	2.830	8.8	19.0
3 2	11 49.21	+ 6 0.8	1.876	2.847	4.9	18.8
3 12	11 40.92	+ 6 56.6	1.872	2.863	1.6	18.6
3 22	11 32.51	+ 7 48.0	1.897	2.879	4.1	18.8
4 1	11 24.89	+ 8 29.5	1.950	2.895	7.8	19.0
4 11	11 18.82	+ 8 57.4	2.029	2.911	11.2	19.3
4 21	11 14.76	+ 9 10.1	2.130	2.926	14.1	19.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
467961 2012 HR_{65}			3 14.6 222°84	5°2/ 8.2 17		
	h m	° ′			°	m
2 11	12 0.95	+15 37.0	2.227	3.087	10.6	21.5
2 21	11 55.83	+17 3.7	2.155	3.078	7.9	21.3
3 2	11 48.92	+18 30.8	2.110	3.069	5.7	21.1
3 12	11 40.89	+19 50.5	2.094	3.059	5.4	21.1
3 22	11 32.53	+20 55.5	2.106	3.049	7.3	21.2
4 1	11 24.76	+21 40.9	2.146	3.038	10.1	21.3
4 11	11 18.35	+22 4.3	2.209	3.026	12.9	21.5
4 21	11 13.83	+22 6.2	2.293	3.015	15.3	21.6
212517 2006 RZ_{35}			3 14.6 196°15	0°9/15.9 17		
2 11	11 57.52	− 4 8.1	2.844	3.657	10.0	20.9
2 21	11 52.98	− 3 27.8	2.754	3.654	7.4	20.8
3 2	11 47.14	− 2 35.9	2.691	3.651	4.5	20.6
3 12	11 40.50	− 1 35.6	2.657	3.647	1.5	20.3
3 22	11 33.65	− 0 31.1	2.654	3.643	2.2	20.4
4 1	11 27.21	+ 0 32.8	2.681	3.639	5.2	20.6
4 11	11 21.75	+ 1 31.5	2.737	3.634	8.1	20.8
4 21	11 17.67	+ 2 21.5	2.818	3.629	10.6	20.9
464470 2016 BU_{47}			3 14.6 16°12	1°3/13.6 16		
2 11	11 59.79	+ 2 9.7	1.254	2.122	16.5	21.3
2 21	11 55.82	+ 2 54.8	1.194	2.126	12.0	21.0
3 2	11 49.21	+ 3 55.4	1.156	2.129	6.7	20.8
3 12	11 40.97	+ 5 3.3	1.141	2.134	1.6	20.4
3 22	11 32.39	+ 6 8.6	1.153	2.140	5.0	20.7
4 1	11 24.86	+ 7 1.9	1.188	2.146	10.3	21.0
4 11	11 19.51	+ 7 36.6	1.246	2.153	15.0	21.3
4 21	11 16.96	+ 7 50.1	1.323	2.161	18.9	21.5
177983 2006 QE_{37}			3 14.6 105°68	0°5/14.1 18		
2 11	12 2.97	+ 3 17.4	2.612	3.443	10.2	20.4
2 21	11 56.83	+ 3 29.4	2.548	3.462	7.3	20.3
3 2	11 49.28	+ 3 47.2	2.512	3.480	4.1	20.1
3 12	11 40.94	+ 4 7.5	2.505	3.498	0.9	19.9
3 22	11 32.51	+ 4 26.9	2.529	3.515	2.7	20.0
4 1	11 24.70	+ 4 41.9	2.583	3.532	5.9	20.3
4 11	11 18.12	+ 4 50.1	2.665	3.549	8.8	20.5
4 21	11 13.16	+ 4 49.9	2.771	3.566	11.2	20.7
191310 2003 HM_{32}			3 14.6 272°96	4°8/19.5 17		
2 11	11 59.24	−13 54.2	1.973	2.756	14.8	20.3
2 21	11 54.91	−13 46.2	1.872	2.741	12.0	20.1
3 2	11 48.57	−13 15.1	1.793	2.725	8.8	19.8
3 12	11 40.86	−12 21.5	1.739	2.708	5.8	19.6
3 22	11 32.64	−11 9.0	1.713	2.692	4.9	19.5
4 1	11 24.92	− 9 44.4	1.714	2.675	7.3	19.6
4 11	11 18.64	− 8 16.3	1.741	2.659	10.8	19.8
4 21	11 14.43	− 6 52.8	1.792	2.642	14.2	20.0
154335 2002 VH_{105}			3 14.6 140°84	4°6/18.4 18		
2 11	11 3.95	−11 6.6	1.496	2.304	17.6	20.1
2 21	11 58.65	−11 5.7	1.423	2.309	13.9	19.9
3 2	11 50.80	−10 39.1	1.370	2.315	9.7	19.6
3 12	11 41.32	− 9 48.8	1.342	2.319	5.7	19.4
3 22	11 31.42	− 8 40.2	1.339	2.324	5.0	19.4
4 1	11 22.43	− 7 22.3	1.364	2.328	8.4	19.6
4 11	11 15.48	− 6 5.1	1.413	2.332	12.6	19.8
4 21	11 11.23	− 4 57.3	1.484	2.335	16.5	20.1
240764 2005 LL_{46}			3 14.6 246°93	2°5/11.5 17		
2 11	11 58.61	+ 8 12.6	2.505	3.357	9.9	20.8
2 21	11 53.96	+ 9 7.0	2.421	3.346	7.1	20.6
3 2	11 47.79	+10 6.4	2.364	3.334	4.1	20.4
3 12	11 40.66	+11 5.4	2.337	3.323	2.5	20.2
3 22	11 33.27	+11 58.7	2.339	3.311	4.5	20.3
4 1	11 26.33	+12 41.5	2.369	3.299	7.5	20.5
4 11	11 20.52	+13 10.6	2.426	3.287	10.4	20.7
4 21	11 16.31	+13 24.7	2.505	3.275	12.9	20.8
390065 2012 UV_{100}			3 14.6 346°86	7°7/ 6.9 17		
2 11	12 3.81	+24 11.1	1.980	2.837	11.9	20.5
2 21	11 58.02	+25 6.2	1.924	2.833	9.5	20.3
3 2	11 50.19	+25 52.1	1.892	2.830	7.9	20.2
3 12	11 41.16	+26 20.9	1.886	2.827	8.0	20.2
3 22	11 31.95	+26 27.2	1.907	2.824	9.6	20.3
4 1	11 23.61	+26 8.9	1.953	2.822	12.0	20.4
4 11	11 17.00	+25 26.8	2.020	2.820	14.5	20.6
4 21	11 12.63	+24 24.3	2.107	2.819	16.7	20.8
515160 2011 PC_{16}			3 14.6 82°45	2°5/17.1 17		
2 11	12 1.59	− 6 15.2	2.352	3.158	12.0	21.4
2 21	11 56.13	− 6 26.7	2.272	3.162	9.2	21.2
3 2	11 49.03	− 6 25.5	2.216	3.167	6.1	21.0
3 12	11 40.92	− 6 13.1	2.188	3.171	3.1	20.8
3 22	11 32.57	− 5 52.7	2.189	3.176	3.1	20.8
4 1	11 24.76	− 5 27.9	2.220	3.180	6.0	21.0
4 11	11 18.24	− 5 3.4	2.278	3.185	9.1	21.2
4 21	11 13.48	− 4 43.0	2.359	3.189	11.9	21.4

59015 1998 SH_{74} 3 14.6 56°.80 3°.5/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.67	+ 8 28.3	1.377	2.243	15.5	18.7
2 21	11 59.55	+ 9 19.6	1.341	2.272	11.0	18.5
3 2	11 51.05	+10 15.4	1.329	2.301	6.3	18.3
3 12	11 41.32	+11 6.7	1.343	2.331	3.5	18.2
3 22	11 31.66	+11 45.7	1.384	2.360	6.3	18.5
4 1	11 23.34	+12 6.9	1.450	2.390	10.4	18.8
4 11	11 17.27	+12 8.5	1.539	2.420	14.2	19.1
4 21	11 13.85	+11 51.5	1.648	2.449	17.4	19.3

368275 2002 EN_{2} 3 14.6 93°.34 4°.6/18.9 18

2 11	12 4.80	−11 52.2	1.980	2.764	14.7	21.0
2 21	11 58.63	−12 12.6	1.914	2.784	11.7	20.8
3 2	11 50.51	−12 13.7	1.870	2.803	8.4	20.7
3 12	11 41.24	−11 56.4	1.852	2.822	5.4	20.5
3 22	11 31.76	−11 24.1	1.863	2.841	4.8	20.5
4 1	11 23.08	−10 42.0	1.902	2.860	7.0	20.7
4 11	11 16.04	− 9 56.7	1.968	2.878	10.1	20.9
4 21	11 11.15	− 9 14.1	2.057	2.895	13.0	21.1

350268 2012 TY_{193} 3 14.6 175°.53 1°.1/13.4 17

2 11	11 59.52	+ 3 44.8	2.442	3.284	10.4	21.5
2 21	11 54.57	+ 4 22.0	2.366	3.285	7.5	21.3
3 2	11 48.11	+ 5 6.5	2.315	3.286	4.2	21.1
3 12	11 40.73	+ 5 53.7	2.294	3.286	1.2	20.9
3 22	11 33.14	+ 6 38.9	2.303	3.287	3.3	21.0
4 1	11 26.09	+ 7 17.6	2.341	3.287	6.6	21.2
4 11	11 20.22	+ 7 46.0	2.405	3.287	9.7	21.4
4 21	11 15.98	+ 8 2.4	2.493	3.287	12.4	21.6

109063 2001 QP_{20} 3 14.6 307°.10 2°.7/15.9 18

2 11	12 13.87	− 1 34.6	1.644	2.464	15.7	18.0
2 21	12 5.87	− 2 39.3	1.556	2.457	11.9	17.7
3 2	11 55.04	− 3 35.3	1.492	2.450	7.6	17.5
3 12	11 42.26	− 4 22.3	1.455	2.443	3.4	17.2
3 22	11 28.81	− 5 1.0	1.449	2.436	4.2	17.2
4 1	11 16.17	− 5 33.3	1.472	2.429	8.6	17.5
4 11	11 5.65	− 6 2.7	1.521	2.423	13.0	17.7
4 21	10 58.04	− 6 32.6	1.592	2.417	16.8	17.9

219703 2001 XB_{35} 3 14.6 211°.76 5°.8/20.6 18

2 11	12 2.64	−17 5.8	2.270	3.019	14.1	20.7
2 21	11 57.15	−17 23.3	2.172	3.013	11.7	20.5
3 2	11 49.76	−17 20.1	2.097	3.006	9.0	20.3
3 12	11 41.11	−16 55.8	2.048	2.999	6.7	20.1
3 22	11 32.03	−16 12.3	2.026	2.991	5.8	20.1
4 1	11 23.45	−15 14.1	2.033	2.982	7.2	20.1
4 11	11 16.22	−14 8.0	2.066	2.973	9.9	20.3
4 21	11 10.93	−13 1.0	2.124	2.964	12.6	20.4

29033 2085 $T\text{-}_{1}$ 3 14.6 66°.20 0°.7/13.8 18 R

2 11	11 59.57	+ 2 0.2	2.065	2.909	12.0	18.6
2 21	11 54.71	+ 2 40.6	2.007	2.926	8.6	18.4
3 2	11 48.20	+ 3 30.4	1.973	2.943	4.8	18.2
3 12	11 40.75	+ 4 24.3	1.967	2.960	1.0	18.0
3 22	11 33.17	+ 5 16.5	1.991	2.977	3.3	18.2
4 1	11 26.31	+ 6 1.6	2.043	2.994	7.1	18.5
4 11	11 20.86	+ 6 35.4	2.121	3.011	10.4	18.7
4 21	11 17.26	+ 6 55.8	2.221	3.028	13.2	18.9

340680 2006 RW_{77} 3 14.6 38°.09 0°.4/14.2 18

2 11	11 57.09	+ 0 1.8	2.005	2.849	12.3	20.5
2 21	11 53.04	+ 0 54.2	1.938	2.857	8.9	20.3
3 2	11 47.31	+ 1 58.9	1.896	2.866	5.0	20.1
3 12	11 40.57	+ 3 10.2	1.882	2.874	1.0	19.8
3 22	11 33.64	+ 4 21.6	1.896	2.884	3.2	20.0
4 1	11 27.36	+ 5 26.4	1.938	2.893	7.2	20.3
4 11	11 22.46	+ 6 19.1	2.007	2.902	10.7	20.5
4 21	11 19.39	+ 6 56.8	2.097	2.912	13.7	20.7

455849 2005 TN_{179} 3 14.6 32°.66 1°.6/13.6 18

2 11	12 8.14	+ 6 35.4	1.607	2.459	14.4	20.7
2 21	12 1.43	+ 6 30.5	1.539	2.462	10.4	20.5
3 2	11 52.28	+ 6 30.5	1.495	2.466	6.0	20.2
3 12	11 41.64	+ 6 30.8	1.478	2.470	1.8	19.9
3 22	11 30.71	+ 6 26.7	1.489	2.474	4.5	20.1
4 1	11 20.77	+ 6 14.4	1.528	2.479	9.1	20.4
4 11	11 12.89	+ 5 51.6	1.592	2.484	13.2	20.7
4 21	11 7.64	+ 5 17.6	1.676	2.489	16.6	20.9

413947 2007 AD 3 14.6 11°.29 3°.8/11.7 18

2 11	12 2.13	+ 9 25.2	1.422	2.294	14.7	20.6
2 21	11 57.30	+10 9.5	1.362	2.295	10.6	20.3
3 2	11 49.99	+10 58.9	1.325	2.297	6.3	20.1
3 12	11 41.16	+11 44.9	1.313	2.300	3.8	20.0
3 22	11 32.04	+12 19.5	1.327	2.303	6.6	20.1
4 1	11 23.93	+12 36.5	1.367	2.307	10.9	20.4
4 11	11 17.89	+12 33.0	1.429	2.312	15.0	20.6
4 21	11 14.50	+12 9.6	1.509	2.317	18.4	20.9

312016 2007 RL_{34} 3 14.6 126°.10 2°.2/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.49	− 6 0.5	1.916	2.727	14.1	21.6
2 21	11 59.14	− 5 45.0	1.849	2.745	10.7	21.4
3 2	11 50.81	− 5 12.8	1.807	2.762	6.8	21.2
3 12	11 41.31	− 4 27.6	1.791	2.778	3.0	21.0
3 22	11 31.63	− 3 34.4	1.805	2.794	3.2	21.0
4 1	11 22.79	− 2 39.9	1.849	2.809	6.9	21.3
4 11	11 15.63	− 1 50.2	1.918	2.823	10.6	21.5
4 21	11 10.66	− 1 10.0	2.011	2.836	13.8	21.8

77024 2001 CU_{21} 3 14.6 278°.64 4°.8/10.3 18

2 11	12 1.94	+10 53.8	1.553	2.422	13.8	19.0
2 21	11 57.18	+12 9.7	1.480	2.412	10.1	18.7
3 2	11 49.98	+13 31.5	1.432	2.401	6.4	18.5
3 12	11 41.18	+14 49.5	1.409	2.390	4.9	18.4
3 22	11 31.92	+15 53.7	1.414	2.380	7.6	18.5
4 1	11 23.46	+16 36.6	1.443	2.369	11.7	18.7
4 11	11 16.91	+16 54.5	1.495	2.358	15.6	18.9
4 21	11 12.93	+16 47.6	1.566	2.347	19.0	19.1

425951 2011 GN_{87} 3 14.6 349°.82 4°.6/10.5 17

2 11	11 57.32	+ 9 51.8	1.395	2.275	14.4	20.7
2 21	11 53.94	+11 5.0	1.330	2.267	10.4	20.5
3 2	11 48.13	+12 25.1	1.288	2.261	6.4	20.2
3 12	11 40.79	+13 41.9	1.271	2.255	4.7	20.1
3 22	11 33.06	+14 45.3	1.280	2.250	7.6	20.2
4 1	11 26.20	+15 27.2	1.312	2.247	11.8	20.5
4 11	11 21.28	+15 43.5	1.366	2.244	15.9	20.7
4 21	11 18.93	+15 34.5	1.438	2.243	19.3	20.9

340420 2006 FO_{17} 3 14.6 265°.25 2°.6/12.0 17

2 11	12 1.33	+ 8 6.8	2.073	2.927	11.5	21.4
2 21	11 56.19	+ 8 48.0	1.992	2.917	8.3	21.2
3 2	11 49.19	+ 9 34.3	1.937	2.908	4.8	21.0
3 12	11 41.00	+10 20.1	1.910	2.898	2.6	20.8
3 22	11 32.48	+10 59.4	1.912	2.888	4.9	20.9
4 1	11 24.55	+11 27.2	1.942	2.878	8.5	21.1
4 11	11 18.06	+11 40.3	1.997	2.868	11.9	21.3
4 21	11 13.54	+11 37.5	2.073	2.858	14.8	21.5

252015 2000 HG_{18} 3 14.6 93°.11 4°.5/19.4 18

2 11	12 0.89	−13 54.9	1.816	2.602	15.8	20.2
2 21	11 55.96	−13 31.1	1.748	2.619	12.5	20.0
3 2	11 49.04	−12 42.5	1.702	2.637	8.9	19.9
3 12	11 40.96	−11 31.7	1.682	2.654	5.6	19.7
3 22	11 32.68	−10 4.8	1.689	2.671	4.6	19.7
4 1	11 25.22	− 8 30.2	1.725	2.688	7.1	19.9
4 11	11 19.42	− 6 57.1	1.787	2.704	10.5	20.1
4 21	11 15.79	− 5 33.1	1.872	2.720	13.7	20.3

196321 2003 FU_{41} 3 14.6 35°.18 0°.8/13.9 18

2 11	11 59.75	− 0 27.3	1.249	2.111	17.0	20.0
2 21	11 55.82	+ 0 39.3	1.188	2.116	12.4	19.7
3 2	11 49.25	+ 2 6.3	1.149	2.121	7.0	19.5
3 12	11 41.03	+ 3 44.6	1.134	2.127	1.4	19.1
3 22	11 32.47	+ 5 22.4	1.145	2.133	4.8	19.3
4 1	11 24.95	+ 6 47.9	1.181	2.140	10.2	19.7
4 11	11 19.62	+ 7 52.5	1.240	2.146	15.0	20.0
4 21	11 17.09	+ 8 32.4	1.318	2.154	19.1	20.2

217986 2001 VN_{124} 3 14.6 135°.53 2°.1/12.5 18

2 11	12 2.03	+ 5 56.2	1.944	2.795	12.3	20.6
2 21	11 56.67	+ 6 46.2	1.878	2.802	8.8	20.4
3 2	11 49.42	+ 7 43.3	1.837	2.808	5.0	20.2
3 12	11 41.04	+ 8 41.3	1.824	2.814	2.2	20.0
3 22	11 32.45	+ 9 33.5	1.841	2.820	4.6	20.2
4 1	11 24.59	+10 14.3	1.885	2.826	8.4	20.4
4 11	11 18.30	+10 39.9	1.954	2.831	11.8	20.6
4 21	11 14.06	+10 49.0	2.045	2.836	14.8	20.8

225103 2008 DL_{40} 3 14.6 276°.77 1°.0/15.6 17

2 11	11 59.39	− 4 9.4	1.815	2.647	13.9	21.0
2 21	11 55.14	− 3 22.6	1.717	2.627	10.5	20.7
3 2	11 48.78	− 2 16.2	1.642	2.606	6.4	20.4
3 12	11 40.96	− 0 54.7	1.594	2.586	2.0	20.1
3 22	11 32.59	+ 0 35.0	1.575	2.565	3.2	20.2
4 1	11 24.73	+ 2 4.1	1.583	2.544	7.9	20.4
4 11	11 18.38	+ 3 24.0	1.617	2.522	12.2	20.6
4 21	11 14.22	+ 4 28.5	1.673	2.501	16.0	20.8

399576 2003 SA_{261} 3 14.6 110°.65 2°.5/17.2 18

2 11	12 3.19	− 8 9.5	1.821	2.630	14.8	21.6
2 21	11 57.55	− 7 36.4	1.757	2.650	11.3	21.4
3 2	11 49.92	− 6 43.4	1.717	2.670	7.3	21.2
3 12	11 41.15	− 5 34.7	1.703	2.689	3.5	21.0
3 22	11 32.21	− 4 16.7	1.718	2.707	3.3	21.1
4 1	11 24.13	− 2 57.4	1.762	2.725	7.0	21.3
4 11	11 17.76	− 1 44.5	1.833	2.742	10.8	21.6
4 21	11 13.58	− 0 43.7	1.926	2.758	14.0	21.8

91007 Ianfleming 3 14.6 130°.75 2°.7/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.14	− 6 49.6	1.833	2.641	14.8	19.3
2 21	11 59.74	− 6 46.8	1.763	2.656	11.3	19.1
3 2	11 51.23	− 6 26.5	1.717	2.669	7.3	18.9
3 12	11 41.44	− 5 51.5	1.698	2.682	3.6	18.7
3 22	11 31.40	− 5 6.5	1.707	2.694	3.6	18.8
4 1	11 22.21	− 4 17.8	1.745	2.706	7.2	19.0
4 11	11 14.78	− 3 32.1	1.810	2.717	11.0	19.2
4 21	11 9.67	− 2 54.5	1.897	2.727	14.3	19.5

400014 2006 KD_{108} 3 14.6 159°.59 3°.6/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.22	+10 9.1	1.801	2.656	12.9	21.3
2 21	11 59.84	+10 58.5	1.737	2.662	9.3	21.0
3 2	11 51.30	+11 51.3	1.698	2.667	5.6	20.8
3 12	11 41.45	+12 40.2	1.687	2.671	3.6	20.7
3 22	11 31.37	+13 18.3	1.704	2.675	6.0	20.9
4 1	11 22.16	+13 40.5	1.749	2.679	9.7	21.1
4 11	11 14.77	+13 44.4	1.819	2.681	13.3	21.3
4 21	11 9.75	+13 30.4	1.908	2.684	16.2	21.5

371755 2007 FL_{26} 3 14.6 143°.60 0°.8/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.14	+ 3 3.9	1.917	2.761	12.8	20.8
2 21	11 57.54	+ 3 26.8	1.845	2.764	9.2	20.6
3 2	11 49.96	+ 3 58.7	1.797	2.767	5.2	20.3
3 12	11 41.18	+ 4 34.7	1.777	2.769	1.2	20.0
3 22	11 32.12	+ 5 9.3	1.785	2.772	3.6	20.2
4 1	11 23.79	+ 5 37.3	1.822	2.774	7.8	20.5
4 11	11 17.06	+ 5 54.6	1.885	2.776	11.5	20.7
4 21	11 12.45	+ 5 59.2	1.969	2.778	14.6	20.9

382141 2011 KE_{30} 3 14.6 326°.05 7°.2/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.96	−17 33.3	1.712	2.488	17.0	20.2
2 21	11 54.28	−17 57.8	1.619	2.474	14.2	20.0
3 2	11 48.36	−17 55.8	1.545	2.460	11.2	19.8
3 12	11 40.88	−17 25.8	1.494	2.447	8.4	19.6
3 22	11 32.83	−16 30.0	1.467	2.435	7.2	19.5
4 1	11 25.35	−15 14.4	1.466	2.423	8.8	19.5
4 11	11 19.52	−13 48.5	1.490	2.412	11.9	19.7
4 21	11 16.06	−12 22.1	1.536	2.402	15.3	19.9

463161 2012 BP_{11} 3 14.6 344°.95 1°.2/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.21	− 2 34.9	1.290	2.146	17.0	20.6
2 21	11 55.53	− 2 16.4	1.216	2.138	12.7	20.3
3 2	11 49.18	− 1 37.6	1.164	2.132	7.7	20.0
3 12	11 41.06	− 0 43.5	1.135	2.126	2.4	19.7
3 22	11 32.41	+ 0 18.0	1.131	2.122	3.9	19.8
4 1	11 24.65	+ 1 17.4	1.152	2.118	9.4	20.1
4 11	11 18.99	+ 2 5.8	1.195	2.115	14.4	20.3
4 21	11 16.15	+ 2 37.6	1.257	2.112	18.6	20.6

206377 2003 QK_{114} 3 14.6 276°.84 1°.8/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.93	− 4 23.3	1.637	2.467	15.3	21.2
2 21	11 58.04	− 4 6.9	1.535	2.442	11.6	20.9
3 2	11 50.63	− 3 31.4	1.456	2.417	7.3	20.6
3 12	11 41.39	− 2 39.7	1.402	2.392	2.8	20.2
3 22	11 31.38	− 1 37.4	1.376	2.366	3.6	20.2
4 1	11 21.87	− 0 32.5	1.377	2.340	8.6	20.4
4 11	11 14.09	+ 0 26.4	1.403	2.313	13.4	20.6
4 21	11 8.86	+ 1 12.7	1.450	2.286	17.6	20.8

238384 2004 CR_{125} 3 14.6 174°.58 0°.6/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.04	+ 0 57.8	2.451	3.287	10.6	21.0
2 21	11 53.52	+ 1 51.7	2.373	3.289	7.6	20.8
3 2	11 47.54	+ 2 55.6	2.321	3.290	4.3	20.6
3 12	11 40.66	+ 4 4.7	2.298	3.291	0.9	20.3
3 22	11 33.57	+ 5 13.5	2.305	3.291	3.0	20.5
4 1	11 26.98	+ 6 16.4	2.342	3.292	6.4	20.7
4 11	11 21.54	+ 7 9.0	2.406	3.292	9.6	20.9
4 21	11 17.68	+ 7 48.4	2.493	3.292	12.2	21.1

207603 Liuchaohan 3 14.6 225°.47 3°.8/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.38	+13 18.6	2.422	3.278	10.0	20.2
2 21	11 55.26	+14 10.7	2.349	3.273	7.3	20.1
3 2	11 48.55	+15 3.6	2.304	3.268	4.8	19.9
3 12	11 40.88	+15 51.3	2.287	3.263	3.9	19.8
3 22	11 32.98	+16 28.7	2.299	3.257	5.7	19.9
4 1	11 25.63	+16 51.9	2.339	3.252	8.4	20.1
4 11	11 19.53	+16 58.9	2.404	3.246	11.2	20.3
4 21	11 15.14	+16 49.7	2.491	3.240	13.5	20.4

341456 2007 TV_{300} 3 14.6 127°.69 0°.5/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.80	− 1 40.7	2.590	3.412	10.5	21.7
2 21	11 54.65	− 1 11.9	2.519	3.425	7.7	21.5
3 2	11 48.12	− 0 33.0	2.474	3.437	4.6	21.3
3 12	11 40.78	+ 0 12.3	2.458	3.449	1.2	21.1
3 22	11 33.29	+ 0 59.9	2.472	3.461	2.4	21.2
4 1	11 26.34	+ 1 45.2	2.516	3.472	5.6	21.5
4 11	11 20.53	+ 2 24.3	2.588	3.483	8.6	21.7
4 21	11 16.27	+ 2 54.2	2.684	3.493	11.2	21.9

293471 2007 EB_{217} 3 14.6 138°.67 0°.2/14.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.12	+ 1 42.5	1.980	2.817	12.7	21.5
2 21	11 58.18	+ 1 57.3	1.907	2.822	9.3	21.3
3 2	11 50.31	+ 2 21.5	1.860	2.828	5.3	21.0
3 12	11 41.27	+ 2 51.0	1.840	2.833	1.1	20.7
3 22	11 31.97	+ 3 20.8	1.850	2.838	3.3	20.9
4 1	11 23.41	+ 3 46.1	1.889	2.843	7.3	21.2
4 11	11 16.42	+ 4 2.7	1.953	2.847	11.0	21.4
4 21	11 11.53	+ 4 8.3	2.040	2.851	14.1	21.6

327503 2006 AJ_{69} 3 14.6 160°.76 5°.4/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.02	+16 14.0	2.186	3.046	10.8	20.9
2 21	11 55.84	+17 44.3	2.129	3.051	8.0	20.7
3 2	11 48.93	+19 13.4	2.098	3.055	5.8	20.6
3 12	11 40.98	+20 33.2	2.097	3.059	5.6	20.6
3 22	11 32.81	+21 37.0	2.124	3.063	7.5	20.7
4 1	11 25.32	+22 20.0	2.177	3.066	10.2	20.9
4 11	11 19.25	+22 40.7	2.255	3.068	12.8	21.1
4 21	11 15.08	+22 40.2	2.352	3.071	15.0	21.2

417498 2006 SE_{71} 3 14.6 274°.34 3°.6/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.18	+ 9 49.3	1.643	2.503	13.7	21.2
2 21	11 59.45	+10 26.1	1.565	2.492	10.0	20.9
3 2	11 51.28	+11 7.3	1.511	2.481	6.0	20.6
3 12	11 41.51	+11 45.7	1.483	2.469	3.6	20.5
3 22	11 31.27	+12 14.0	1.483	2.458	6.2	20.6
4 1	11 21.83	+12 26.7	1.510	2.446	10.4	20.8
4 11	11 14.27	+12 20.7	1.560	2.435	14.4	21.0
4 21	11 9.29	+11 56.2	1.630	2.423	17.9	21.2

37192 2000 WL_{70} 3 14.6 304°.79 3°.0/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.66	− 5 16.8	1.426	2.260	16.9	18.2
2 21	11 58.72	− 5 31.1	1.343	2.250	13.0	18.0
3 2	11 51.04	− 5 26.4	1.281	2.240	8.5	17.7
3 12	11 41.49	− 5 4.5	1.243	2.230	4.0	17.4
3 22	11 31.29	− 4 30.1	1.231	2.220	4.2	17.4
4 1	11 21.86	− 3 50.1	1.245	2.211	8.9	17.6
4 11	11 14.48	− 3 12.7	1.283	2.202	13.7	17.8
4 21	11 9.94	− 2 44.3	1.341	2.193	17.9	18.1

300210 2006 WB_{152} 3 14.6 9°.73 1°.9/16.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.46	− 5 37.7	2.046	2.869	12.9	21.2
2 21	11 53.37	− 5 18.1	1.968	2.870	9.8	21.0
3 2	11 47.57	− 4 42.7	1.914	2.872	6.2	20.8
3 12	11 40.70	− 3 55.0	1.886	2.874	2.7	20.6
3 22	11 33.56	− 2 59.7	1.887	2.877	2.9	20.6
4 1	11 27.02	− 2 3.0	1.916	2.879	6.5	20.8
4 11	11 21.83	− 1 10.9	1.971	2.883	10.0	21.0
4 21	11 18.49	− 0 28.1	2.049	2.886	13.1	21.2

233502 2007 EC_{32} 3 14.6 242°.24 1°.5/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.14	+ 2 46.2	1.558	2.409	14.8	21.2
2 21	11 58.85	+ 3 35.6	1.474	2.398	10.8	20.9
3 2	11 51.02	+ 4 39.0	1.414	2.386	6.1	20.6
3 12	11 41.48	+ 5 49.5	1.381	2.373	1.7	20.3
3 22	11 31.36	+ 6 58.4	1.375	2.360	4.8	20.5
4 1	11 21.98	+ 7 57.0	1.396	2.346	9.8	20.7
4 11	11 14.50	+ 8 38.7	1.441	2.332	14.4	20.9
4 21	11 9.67	+ 9 0.4	1.506	2.317	18.3	21.2

271745 2004 RM_{324} 3 14.6 107°.54 2°.8/17.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.76	− 7 26.4	2.055	2.861	13.5	21.1
2 21	11 57.14	− 7 25.6	1.984	2.874	10.4	20.9
3 2	11 49.69	− 7 8.7	1.936	2.886	6.8	20.7
3 12	11 41.14	− 6 38.1	1.916	2.898	3.6	20.6
3 22	11 32.38	− 5 57.9	1.924	2.911	3.4	20.6
4 1	11 24.31	− 5 13.5	1.961	2.922	6.5	20.8
4 11	11 17.75	− 4 30.7	2.025	2.934	9.9	21.0
4 21	11 13.19	− 3 54.3	2.112	2.945	12.9	21.2

287554 2003 EM_{62} 3 14.6 279°.23 0°.8/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 56.54	− 0 22.4	2.463	3.298	10.6	20.0
2 21	11 52.59	+ 1 4.5	2.361	3.276	7.7	19.8
3 2	11 47.11	+ 2 45.8	2.285	3.254	4.3	19.5
3 12	11 40.63	+ 4 36.0	2.239	3.232	1.0	19.2
3 22	11 33.77	+ 6 27.9	2.225	3.209	3.3	19.4
4 1	11 27.28	+ 8 14.1	2.241	3.187	6.9	19.6
4 11	11 21.86	+ 9 47.9	2.285	3.164	10.3	19.8
4 21	11 17.99	+11 5.0	2.353	3.141	13.2	19.9

236184 2005 WX_{3} 3 14.6 204°.69 10°.3/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 15.67	+31 0.4	1.918	2.746	13.4	20.7
2 21	12 6.88	+32 15.4	1.861	2.740	11.5	20.5
3 2	11 55.43	+33 14.6	1.829	2.734	10.4	20.5
3 12	11 42.37	+33 47.9	1.824	2.726	10.7	20.5
3 22	11 29.08	+33 48.9	1.844	2.718	12.3	20.5
4 1	11 16.98	+33 16.3	1.889	2.708	14.5	20.7
4 11	11 7.18	+32 13.5	1.955	2.698	16.8	20.8
4 21	11 0.30	+30 46.9	2.038	2.686	18.9	21.0

316306 2010 RG_{66} 3 14.6 214°.24 0°.8/15.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.63	− 2 3.0	1.845	2.676	13.8	21.8
2 21	11 58.09	− 1 41.8	1.761	2.671	10.3	21.5
3 2	11 50.41	− 1 6.2	1.701	2.665	6.2	21.3
3 12	11 41.34	− 0 20.1	1.668	2.659	1.8	21.0
3 22	11 31.84	+ 0 30.8	1.663	2.653	3.2	21.0
4 1	11 23.01	+ 1 20.1	1.687	2.646	7.6	21.3
4 11	11 15.81	+ 2 1.5	1.737	2.638	11.7	21.5
4 21	11 10.86	+ 2 30.9	1.808	2.631	15.2	21.7

49586 1999 CD_{138} 3 14.6 297°.33 1°.8/16.3 18 R

2 11	12 0.53	− 4 5.5	2.063	2.885	12.8	18.4
2 21	11 55.74	− 4 3.6	1.966	2.869	9.7	18.2
3 2	11 49.04	− 3 48.1	1.894	2.853	6.2	17.9
3 12	11 41.05	− 3 21.3	1.848	2.837	2.6	17.7
3 22	11 32.61	− 2 47.0	1.832	2.821	3.0	17.7
4 1	11 24.65	− 2 10.4	1.843	2.805	6.8	17.9
4 11	11 18.06	− 1 36.9	1.880	2.789	10.6	18.1
4 21	11 13.43	− 1 10.9	1.941	2.773	13.9	18.3

495866 2004 MU_2 3 14.6 162°.20 2°.6/18.4 17

2 11	12 1.14	−10 41.8	3.158	3.928	10.0	22.6
2 21	11 55.46	−10 25.2	3.071	3.937	7.9	22.5
3 2	11 48.56	− 9 55.4	3.010	3.945	5.4	22.3
3 12	11 40.91	− 9 14.2	2.978	3.953	3.2	22.2
3 22	11 33.09	− 8 24.7	2.978	3.960	2.8	22.2
4 1	11 25.69	− 7 30.5	3.008	3.965	4.8	22.3
4 11	11 19.27	− 6 36.1	3.068	3.970	7.2	22.5
4 21	11 14.20	− 5 45.4	3.155	3.974	9.4	22.6

411651 2011 UU_{359} 3 14.6 186°.89 1°.0/13.9 18

2 11	12 5.66	+ 2 57.7	1.595	2.444	14.7	21.3
2 21	11 59.76	+ 3 23.6	1.522	2.444	10.7	21.0
3 2	11 51.43	+ 4 0.5	1.473	2.443	6.1	20.8
3 12	11 41.56	+ 4 42.6	1.450	2.443	1.4	20.4
3 22	11 31.30	+ 5 23.2	1.455	2.442	4.3	20.6
4 1	11 21.91	+ 5 55.5	1.488	2.441	9.0	20.9
4 11	11 14.48	+ 6 14.8	1.544	2.439	13.4	21.2
4 21	11 9.62	+ 6 18.5	1.622	2.437	17.0	21.4

234152 2000 GK_{11} 3 14.6 323°.41 2°.9/13.0 18

2 11	12 7.25	+ 8 1.4	1.200	2.070	17.0	19.5
2 21	12 1.69	+ 8 9.0	1.127	2.059	12.4	19.2
3 2	11 52.89	+ 8 22.6	1.075	2.049	7.2	18.8
3 12	11 41.91	+ 8 34.7	1.048	2.039	3.0	18.6
3 22	11 30.27	+ 8 38.1	1.046	2.029	6.2	18.7
4 1	11 19.72	+ 8 26.9	1.068	2.021	11.7	19.0
4 11	11 11.73	+ 7 58.1	1.111	2.013	16.8	19.2
4 21	11 7.09	+ 7 12.1	1.173	2.005	21.2	19.5

246803 2009 FB_1 3 14.6 242°.61 6°.0/ 7.5 17

2 11	12 5.06	+23 19.6	2.626	3.470	9.7	20.1
2 21	11 58.58	+24 1.6	2.556	3.460	7.7	20.0
3 2	11 50.44	+24 36.6	2.512	3.449	6.3	19.9
3 12	11 41.32	+24 59.0	2.497	3.439	6.2	19.8
3 22	11 31.99	+25 4.7	2.510	3.428	7.6	19.9
4 1	11 23.29	+24 51.4	2.551	3.417	9.7	20.0
4 11	11 15.93	+24 19.3	2.616	3.406	11.9	20.2
4 21	11 10.38	+23 30.6	2.701	3.394	13.8	20.3

163088 2002 AO_{74} 3 14.6 323°.38 4°.8/19.4 18

2 11	11 59.94	−12 55.1	2.186	2.967	13.6	19.6
2 21	11 55.23	−13 18.6	2.094	2.959	11.0	19.4
3 2	11 48.70	−13 24.3	2.024	2.952	8.1	19.3
3 12	11 40.98	−13 12.2	1.980	2.945	5.6	19.1
3 22	11 32.86	−12 44.5	1.964	2.939	4.9	19.0
4 1	11 25.23	−12 5.5	1.975	2.932	6.8	19.1
4 11	11 18.92	−11 21.0	2.013	2.926	9.8	19.3
4 21	11 14.50	−10 37.0	2.074	2.920	12.7	19.5

337916 2001 XJ_{136} 3 14.6 50°.98 2°.1/16.9 17

2 11	11 58.74	− 6 14.2	2.136	2.952	12.7	20.4
2 21	11 54.19	− 5 59.0	2.064	2.961	9.6	20.3
3 2	11 48.00	− 5 28.6	2.015	2.971	6.2	20.1
3 12	11 40.81	− 4 46.1	1.994	2.980	2.9	19.9
3 22	11 33.41	− 3 56.0	2.001	2.990	2.9	19.9
4 1	11 26.63	− 3 4.0	2.037	3.000	6.2	20.1
4 11	11 21.19	− 2 15.6	2.099	3.010	9.5	20.3
4 21	11 17.55	− 1 35.3	2.185	3.020	12.5	20.5

106057 2000 SZ_{315} 3 14.6 146°.58 5°.4/20.9 18

2 11	12 0.13	−17 9.9	2.508	3.256	12.9	20.0
2 21	11 55.14	−17 30.5	2.420	3.258	10.7	19.9
3 2	11 48.55	−17 32.6	2.355	3.260	8.3	19.7
3 12	11 40.94	−17 16.0	2.315	3.263	6.2	19.6
3 22	11 33.03	−16 42.8	2.303	3.265	5.4	19.5
4 1	11 25.61	−15 56.7	2.319	3.267	6.6	19.6
4 11	11 19.38	−15 3.3	2.362	3.269	8.8	19.7
4 21	11 14.85	−14 8.6	2.429	3.270	11.2	19.9

403798 2011 UW_5 3 14.6 122°.33 1°.7/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.38	+ 4 19.1	1.720	2.568	13.8	21.6
2 21	11 59.24	+ 5 5.5	1.661	2.583	9.9	21.4
3 2	11 50.96	+ 6 1.0	1.626	2.597	5.5	21.2
3 12	11 41.44	+ 6 58.7	1.619	2.611	1.8	21.0
3 22	11 31.74	+ 7 51.5	1.641	2.624	4.5	21.2
4 1	11 22.98	+ 8 33.1	1.691	2.637	8.8	21.4
4 11	11 16.06	+ 8 59.2	1.765	2.649	12.6	21.7
4 21	11 11.51	+ 9 8.5	1.861	2.660	15.7	21.9

432315 2009 TP_{22} 3 14.6 204°.41 0°.6/14.0 17

2 11	12 5.09	+ 3 13.7	2.396	3.226	11.0	21.3
2 21	11 58.71	+ 3 30.9	2.308	3.221	8.0	21.1
3 2	11 50.59	+ 3 55.2	2.247	3.215	4.6	20.9
3 12	11 41.37	+ 4 22.8	2.215	3.208	1.0	20.6
3 22	11 31.84	+ 4 49.6	2.215	3.201	3.1	20.8
4 1	11 22.85	+ 5 11.4	2.244	3.192	6.7	21.0
4 11	11 15.17	+ 5 25.0	2.301	3.183	10.1	21.2
4 21	11 9.32	+ 5 28.3	2.381	3.174	12.9	21.4

96760 1999 RL_{23} 3 14.6 100°.62 1°.5/13.2 18

2 11	12 2.59	+ 4 48.6	2.013	2.860	12.1	19.6
2 21	11 56.99	+ 5 23.7	1.952	2.873	8.7	19.4
3 2	11 49.59	+ 6 5.9	1.915	2.886	4.9	19.2
3 12	11 41.15	+ 6 49.7	1.907	2.899	1.6	19.0
3 22	11 32.55	+ 7 29.7	1.928	2.911	3.9	19.2
4 1	11 24.72	+ 8 0.7	1.978	2.924	7.7	19.5
4 11	11 18.41	+ 8 19.4	2.053	2.936	11.1	19.7
4 21	11 14.10	+ 8 24.3	2.150	2.948	13.9	19.9

222251 2000 QN_{29} 3 14.6 145°.50 0°.2/14.5 16

2 11	12 4.89	+ 1 45.9	2.249	3.079	11.6	20.6
2 21	11 58.53	+ 1 59.9	2.177	3.089	8.5	20.4
3 2	11 50.45	+ 2 22.0	2.131	3.098	4.8	20.2
3 12	11 41.34	+ 2 48.6	2.113	3.106	1.0	19.9
3 22	11 32.03	+ 3 15.4	2.126	3.114	3.0	20.1
4 1	11 23.39	+ 3 38.2	2.169	3.121	6.7	20.4
4 11	11 16.18	+ 3 53.5	2.239	3.128	10.0	20.6
4 21	11 10.88	+ 3 59.1	2.332	3.135	12.9	20.8

124697 2001 SF_{138} 3 14.6 165°.57 0°.5/15.2 16

2 11	12 2.25	− 1 52.6	2.222	3.046	12.0	21.5
2 21	11 56.70	− 1 21.2	2.144	3.051	8.8	21.3
3 2	11 49.44	− 0 37.5	2.091	3.055	5.2	21.1
3 12	11 41.13	+ 0 14.2	2.067	3.059	1.4	20.8
3 22	11 32.58	+ 1 9.1	2.073	3.063	2.7	20.9
4 1	11 24.63	+ 2 1.3	2.109	3.065	6.5	21.1
4 11	11 18.05	+ 2 46.0	2.172	3.067	10.0	21.4
4 21	11 13.31	+ 3 19.6	2.258	3.069	12.9	21.6

178981 2001 QB_{266} 3 14.6 201°.90 0°.4/14.2 17

2 11	11 59.84	− 1 28.7	2.161	2.992	12.0	20.1
2 21	11 55.07	− 0 9.3	2.076	2.988	8.8	19.9
3 2	11 48.57	+ 1 25.5	2.016	2.984	5.0	19.6
3 12	11 40.96	+ 3 9.5	1.986	2.979	1.0	19.3
3 22	11 33.03	+ 4 55.0	1.986	2.973	3.3	19.5
4 1	11 25.64	+ 6 34.0	2.017	2.967	7.3	19.7
4 11	11 19.57	+ 7 59.5	2.074	2.960	10.9	19.9
4 21	11 15.34	+ 9 7.6	2.155	2.952	13.9	20.1

68039 2000 YQ_{39} 3 14.6 286°.88 6°.0/ 7.8 17

2 11	11 59.38	+15 40.9	1.871	2.740	11.9	19.0
2 21	11 54.99	+17 19.5	1.807	2.735	8.9	18.8
3 2	11 48.60	+18 58.7	1.770	2.729	6.5	18.6
3 12	11 40.97	+20 28.6	1.759	2.724	6.3	18.6
3 22	11 33.01	+21 40.8	1.776	2.718	8.5	18.7
4 1	11 25.76	+22 29.2	1.819	2.713	11.5	18.9
4 11	11 20.08	+22 51.7	1.884	2.708	14.5	19.1
4 21	11 16.53	+22 49.3	1.967	2.703	17.1	19.2

163726 2003 HX_{54} 3 14.6 206°.16 4°.1/11.0 18

2 11	12 5.88	+10 47.6	1.764	2.622	13.1	20.2
2 21	11 59.78	+11 44.7	1.692	2.617	9.5	20.0
3 2	11 51.40	+12 45.7	1.644	2.613	5.9	19.7
3 12	11 41.57	+13 42.6	1.625	2.607	4.1	19.6
3 22	11 31.37	+14 27.8	1.633	2.601	6.5	19.7
4 1	11 21.97	+14 55.3	1.669	2.595	10.3	19.9
4 11	11 14.39	+15 2.6	1.728	2.588	14.0	20.2
4 21	11 9.24	+14 49.8	1.808	2.580	17.1	20.3

506342 2017 OS_{48} 3 14.6 181°.26 1°.5/12.7 17

2 11	11 59.91	+ 4 9.4	2.527	3.368	10.2	22.4
2 21	11 54.86	+ 5 12.7	2.450	3.369	7.3	22.2
3 2	11 48.33	+ 6 23.7	2.399	3.370	4.1	22.0
3 12	11 40.89	+ 7 37.2	2.379	3.370	1.5	21.8
3 22	11 33.23	+ 8 47.4	2.389	3.369	3.6	22.0
4 1	11 26.08	+ 9 49.0	2.429	3.368	6.9	22.2
4 11	11 20.07	+10 38.0	2.496	3.366	9.8	22.4
4 21	11 15.66	+11 12.3	2.586	3.363	12.4	22.5

315156 2007 FL_{12} 3 14.6 324.°39 6.°4/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 54.98	−20 54.0	1.019	1.824	24.2	19.8
2 21	11 53.09	−19 26.4	0.939	1.818	20.0	19.5
3 2	11 48.08	−16 56.6	0.876	1.812	14.8	19.1
3 12	11 40.92	−13 25.5	0.834	1.807	9.3	18.8
3 22	11 33.09	− 9 7.6	0.815	1.802	6.5	18.6
4 1	11 26.32	− 4 30.6	0.823	1.798	10.4	18.8
4 11	11 22.10	− 0 7.2	0.856	1.794	16.3	19.1
4 21	11 21.21	+ 3 38.3	0.909	1.791	21.8	19.4

299771 2006 SC_{32} 3 14.6 267.°50 1.°5/16.5 17

2 11	11 57.35	− 5 51.1	2.296	3.112	11.9	21.5
2 21	11 53.21	− 5 13.7	2.205	3.104	9.0	21.3
3 2	11 47.47	− 4 20.6	2.140	3.097	5.7	21.1
3 12	11 40.73	− 3 15.4	2.102	3.090	2.3	20.8
3 22	11 33.68	− 2 3.1	2.093	3.083	2.6	20.8
4 1	11 27.11	− 0 49.9	2.113	3.075	6.1	21.0
4 11	11 21.74	+ 0 18.1	2.161	3.068	9.5	21.2
4 21	11 18.04	+ 1 15.9	2.233	3.060	12.5	21.4

58315 1994 PV_{29} 3 14.6 173.°47 1.°4/15.9 18

2 11	12 4.03	− 4 40.4	1.825	2.646	14.3	20.2
2 21	11 58.34	− 4 7.1	1.747	2.650	10.7	20.0
3 2	11 50.54	− 3 16.2	1.692	2.653	6.6	19.8
3 12	11 41.39	− 2 12.0	1.665	2.655	2.4	19.5
3 22	11 31.90	− 1 1.0	1.666	2.656	3.2	19.5
4 1	11 23.14	+ 0 9.3	1.697	2.657	7.5	19.8
4 11	11 16.07	+ 1 11.5	1.753	2.656	11.5	20.0
4 21	11 11.25	+ 2 0.7	1.832	2.655	15.0	20.3

304961 2007 TV_{83} 3 14.7 11.°15 1.°1/13.9 18

2 11	12 2.59	+ 2 37.9	1.313	2.176	16.3	20.9
2 21	11 57.88	+ 3 7.4	1.249	2.177	11.8	20.6
3 2	11 50.49	+ 3 50.5	1.206	2.178	6.7	20.3
3 12	11 41.40	+ 4 40.2	1.187	2.180	1.5	20.0
3 22	11 31.91	+ 5 28.1	1.195	2.182	4.7	20.2
4 1	11 23.45	+ 6 6.1	1.228	2.185	10.0	20.5
4 11	11 17.19	+ 6 28.3	1.283	2.188	14.7	20.8
4 21	11 13.76	+ 6 32.1	1.357	2.192	18.7	21.0

288799 2004 RA_{154} 3 14.7 294.°44 6.°0/18.8 18

2 11	12 3.12	−11 37.3	1.397	2.208	18.4	20.2
2 21	11 58.53	−12 9.4	1.307	2.194	14.9	19.9
3 2	11 51.09	−12 16.7	1.237	2.179	10.8	19.6
3 12	11 41.58	−11 58.0	1.190	2.164	7.1	19.4
3 22	11 31.24	−11 16.0	1.168	2.149	6.3	19.3
4 1	11 21.59	−10 17.5	1.171	2.135	9.6	19.4
4 11	11 14.01	− 9 12.9	1.197	2.121	14.0	19.6
4 21	11 9.40	− 8 12.1	1.243	2.107	18.3	19.8

193926 2001 RW_{2} 3 14.7 206.°76 1.°3/15.8 18

2 11	12 3.09	− 4 3.2	1.573	2.407	15.6	20.8
2 21	11 58.00	− 3 31.2	1.494	2.404	11.7	20.6
3 2	11 50.49	− 2 39.6	1.438	2.401	7.2	20.3
3 12	11 41.41	− 1 33.0	1.407	2.398	2.4	20.0
3 22	11 31.86	− 0 18.8	1.404	2.394	3.5	20.1
4 1	11 23.11	+ 0 54.0	1.428	2.390	8.4	20.3
4 11	11 16.23	+ 1 57.1	1.477	2.385	12.9	20.6
4 21	11 11.89	+ 2 44.9	1.547	2.381	16.8	20.8

292425 2006 SW_{313} 3 14.7 94.°51 0.°4/15.2 17

2 11	11 57.48	− 2 26.1	2.356	3.184	11.3	21.1
2 21	11 53.16	− 1 39.4	2.283	3.192	8.3	20.9
3 2	11 47.37	− 0 40.2	2.235	3.200	4.9	20.7
3 12	11 40.71	+ 0 26.8	2.216	3.208	1.3	20.4
3 22	11 33.85	+ 1 36.4	2.227	3.216	2.6	20.6
4 1	11 27.55	+ 2 42.7	2.267	3.224	6.1	20.8
4 11	11 22.43	+ 3 40.6	2.334	3.232	9.3	21.0
4 21	11 18.92	+ 4 26.6	2.424	3.239	12.0	21.2

78812 2003 PC_{1} 3 14.7 205.°17 0.°7/13.9 18

2 11	12 3.19	+ 1 15.2	2.025	2.861	12.5	20.7
2 21	11 57.62	+ 2 3.1	1.940	2.856	9.1	20.4
3 2	11 50.09	+ 3 3.1	1.881	2.850	5.2	20.2
3 12	11 41.31	+ 4 9.6	1.850	2.843	1.1	19.9
3 22	11 32.16	+ 5 16.2	1.849	2.835	3.6	20.0
4 1	11 23.61	+ 6 16.0	1.877	2.827	7.7	20.3
4 11	11 16.54	+ 7 3.7	1.932	2.818	11.5	20.5
4 21	11 11.53	+ 7 36.2	2.008	2.808	14.7	20.7

316288 2010 RC_{3} 3 14.7 160.°07 1.°2/13.4 18

2 11	12 3.49	+ 3 14.1	2.038	2.879	12.2	21.6
2 21	11 57.71	+ 4 1.3	1.967	2.886	8.8	21.4
3 2	11 50.06	+ 4 57.9	1.922	2.892	5.0	21.1
3 12	11 41.29	+ 5 58.0	1.905	2.897	1.4	20.9
3 22	11 32.28	+ 6 55.4	1.918	2.902	3.8	21.1
4 1	11 23.98	+ 7 44.1	1.960	2.906	7.7	21.3
4 11	11 17.19	+ 8 19.7	2.028	2.910	11.3	21.6
4 21	11 12.42	+ 8 40.3	2.118	2.913	14.2	21.8

63450 2001 NP_{17} 3 14.7 122.°74 7.°1/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 9.68	−17 43.3	2.053	2.794	15.6	18.8
2 21	12 2.37	−18 45.0	1.977	2.808	13.1	18.7
3 2	11 52.85	−19 25.4	1.922	2.821	10.3	18.5
3 12	11 41.90	−19 42.7	1.894	2.834	8.0	18.4
3 22	11 30.56	−19 37.4	1.893	2.847	7.2	18.4
4 1	11 19.96	−19 13.2	1.921	2.859	8.4	18.5
4 11	11 11.08	−18 36.7	1.975	2.870	10.9	18.6
4 21	11 4.56	−17 55.2	2.052	2.881	13.4	18.8

211359 2002 TM_{190} 3 14.7 47.°85 13.°8/ 5.3 18

2 11	12 22.55	+43 33.9	1.804	2.588	15.9	18.8
2 21	12 11.17	+44 24.1	1.808	2.629	14.5	18.8
3 2	11 57.32	+44 43.4	1.835	2.670	13.8	18.8
3 12	11 42.68	+44 25.0	1.883	2.711	14.0	18.9
3 22	11 28.96	+43 28.7	1.955	2.752	14.8	19.1
4 1	11 17.50	+41 59.2	2.047	2.793	16.0	19.3
4 11	11 9.09	+40 4.5	2.159	2.834	17.2	19.4
4 21	11 3.87	+37 53.1	2.288	2.875	18.3	19.6

417163 2005 WK_{44} 3 14.7 23.°18 6.°5/ 8.7 18

2 11	12 4.12	+17 59.8	1.733	2.598	12.9	20.3
2 21	11 58.48	+19 3.2	1.676	2.599	9.7	20.1
3 2	11 50.61	+20 2.7	1.643	2.600	7.2	20.0
3 12	11 41.41	+20 49.3	1.637	2.601	6.7	19.9
3 22	11 31.99	+21 16.2	1.657	2.602	8.7	20.1
4 1	11 23.49	+21 19.4	1.703	2.603	11.8	20.3
4 11	11 16.86	+20 58.7	1.771	2.604	14.9	20.4
4 21	11 12.64	+20 16.5	1.857	2.605	17.5	20.6

175103 2004 JB_{56} 3 14.7 200.°06 5.°0/ 7.9 18

2 11	12 0.10	+18 22.0	2.566	3.422	9.5	20.5
2 21	11 55.02	+19 26.1	2.502	3.420	7.2	20.4
3 2	11 48.43	+20 27.4	2.466	3.418	5.4	20.3
3 12	11 40.94	+21 19.7	2.458	3.416	5.2	20.3
3 22	11 33.25	+21 58.0	2.478	3.413	6.8	20.3
4 1	11 26.12	+22 19.0	2.526	3.410	9.1	20.5
4 11	11 20.20	+22 21.7	2.598	3.407	11.4	20.6
4 21	11 15.93	+22 6.8	2.690	3.404	13.4	20.8

383777 2007 VK_{309} 3 14.7 192.°56 3.°8/19.3 17

2 11	11 59.82	−12 46.8	2.574	3.346	12.0	21.0
2 21	11 54.87	−12 47.4	2.482	3.345	9.6	20.8
3 2	11 48.39	−12 31.5	2.414	3.343	7.0	20.7
3 12	11 40.94	−12 0.1	2.373	3.341	4.6	20.5
3 22	11 33.21	−11 16.1	2.361	3.339	4.0	20.4
4 1	11 25.94	−10 23.8	2.379	3.336	5.8	20.6
4 11	11 19.80	− 9 28.6	2.424	3.334	8.5	20.7
4 21	11 15.27	− 8 35.7	2.494	3.330	11.1	20.9

198874 2005 SK_{30} 3 14.7 215.°08 0.°6/15.1 18

2 11	12 5.28	− 1 55.1	1.725	2.557	14.5	21.6
2 21	11 59.49	− 1 23.2	1.638	2.549	10.8	21.4
3 2	11 51.34	− 0 34.9	1.575	2.541	6.4	21.1
3 12	11 41.61	+ 0 24.9	1.540	2.532	1.7	20.8
3 22	11 31.37	+ 1 29.7	1.532	2.522	3.5	20.9
4 1	11 21.82	+ 2 31.4	1.553	2.511	8.3	21.1
4 11	11 14.04	+ 3 23.2	1.600	2.499	12.7	21.4
4 21	11 8.70	+ 4 0.3	1.668	2.487	16.4	21.6

240237 2002 TU_{259} 3 14.7 157.°38 3.°7/10.5 18

2 11	12 2.54	+13 20.8	2.388	3.240	10.2	20.5
2 21	11 56.80	+14 3.1	2.322	3.244	7.5	20.3
3 2	11 49.45	+14 45.4	2.283	3.248	4.8	20.2
3 12	11 41.16	+15 22.1	2.274	3.251	3.8	20.1
3 22	11 32.70	+15 48.4	2.293	3.254	5.5	20.2
4 1	11 24.87	+16 1.0	2.341	3.257	8.3	20.4
4 11	11 18.38	+15 58.3	2.414	3.259	11.0	20.6
4 21	11 13.66	+15 40.7	2.509	3.262	13.4	20.7

42038 2000 YO_{97} 3 14.7 283.°74 5.°5/ 8.3 18

2 11	11 58.91	+14 2.8	1.903	2.772	11.7	18.6
2 21	11 54.67	+15 41.4	1.832	2.760	8.7	18.4
3 2	11 48.47	+17 22.8	1.786	2.749	6.1	18.2
3 12	11 40.98	+18 57.6	1.768	2.738	5.7	18.2
3 22	11 33.12	+20 16.8	1.778	2.726	8.0	18.3
4 1	11 25.89	+21 13.9	1.814	2.715	11.2	18.5
4 11	11 20.17	+21 45.8	1.873	2.704	14.3	18.6
4 21	11 16.55	+21 52.7	1.951	2.693	17.0	18.8

437273 2012 XP_{147} 3 14.7 172.°95 4.°4/ 8.8 17

2 11	12 0.41	+16 46.4	2.693	3.547	9.2	21.6
2 21	11 55.15	+17 42.4	2.630	3.549	6.8	21.5
3 2	11 48.48	+18 36.3	2.594	3.551	4.9	21.3
3 12	11 40.96	+19 22.7	2.587	3.552	4.5	21.3
3 22	11 33.29	+19 57.1	2.610	3.553	6.0	21.4
4 1	11 26.15	+20 16.3	2.660	3.554	8.3	21.6
4 11	11 20.17	+20 19.1	2.735	3.554	10.6	21.7
4 21	11 15.77	+20 6.1	2.832	3.554	12.6	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
32019 Krithikaiyer			3 14.7 282°.40		1°.3/15.8 17	
	h m	° ′			°	m
2 11	12 1.11	− 3 24.6	1.721	2.555	14.5	19.7
2 21	11 56.44	− 3 4.1	1.635	2.545	10.9	19.5
3 2	11 49.58	− 2 26.7	1.572	2.536	6.7	19.2
3 12	11 41.25	− 1 36.3	1.536	2.526	2.3	18.9
3 22	11 32.44	− 0 38.7	1.527	2.517	3.3	18.9
4 1	11 24.29	+ 0 18.6	1.545	2.507	7.8	19.2
4 11	11 17.79	+ 1 8.5	1.589	2.498	12.1	19.4
4 21	11 13.60	+ 1 46.0	1.654	2.489	15.8	19.6
412932 2014 QS_{179}			3 14.7 221°.06		1°.1/13.7 17	
2 11	12 5.76	+ 3 21.1	1.861	2.702	13.2	22.4
2 21	11 59.68	+ 3 51.3	1.775	2.694	9.6	22.1
3 2	11 51.38	+ 4 31.4	1.715	2.684	5.5	21.9
3 12	11 41.63	+ 5 16.1	1.682	2.674	1.4	21.6
3 22	11 31.42	+ 5 59.2	1.678	2.663	4.0	21.7
4 1	11 21.87	+ 6 34.8	1.703	2.652	8.4	22.0
4 11	11 13.99	+ 6 58.0	1.753	2.640	12.5	22.2
4 21	11 8.42	+ 7 6.5	1.825	2.627	15.9	22.4
389923 2012 TX_{104}			3 14.7 83°.66		0°.2/14.5 17	
2 11	12 0.89	+ 1 12.8	2.270	3.105	11.4	21.5
2 21	11 55.61	+ 1 35.7	2.206	3.120	8.2	21.4
3 2	11 48.78	+ 2 7.4	2.167	3.135	4.7	21.2
3 12	11 41.04	+ 2 43.7	2.157	3.150	1.0	20.9
3 22	11 33.16	+ 3 20.3	2.176	3.164	2.8	21.1
4 1	11 25.93	+ 3 52.4	2.225	3.179	6.4	21.3
4 11	11 20.02	+ 4 16.6	2.300	3.193	9.6	21.6
4 21	11 15.86	+ 4 30.4	2.399	3.208	12.3	21.8
130058 1999 VN_{179}			3 14.7 152°.43		0°.8/13.6 18	
2 11	11 59.52	+ 1 31.5	2.338	3.175	11.0	20.1
2 21	11 54.66	+ 2 30.5	2.265	3.182	7.9	19.9
3 2	11 48.26	+ 3 39.4	2.219	3.188	4.4	19.7
3 12	11 40.94	+ 4 52.9	2.202	3.194	1.0	19.5
3 22	11 33.41	+ 6 5.1	2.215	3.200	3.2	19.7
4 1	11 26.44	+ 7 10.1	2.257	3.205	6.8	19.9
4 11	11 20.72	+ 8 3.3	2.327	3.209	10.0	20.1
4 21	11 16.68	+ 8 42.1	2.419	3.213	12.7	20.3
59088 1998 VW_{35}			3 14.7 51°.79		8°.2/ 9.6 18	
2 11	12 8.90	+17 28.1	1.083	1.963	17.6	18.6
2 21	12 2.42	+18 39.5	1.058	1.989	13.1	18.4
3 2	11 52.92	+19 43.0	1.054	2.016	9.4	18.3
3 12	11 41.89	+20 25.9	1.073	2.043	8.4	18.3
3 22	11 31.07	+20 40.2	1.116	2.070	10.8	18.5
4 1	11 22.07	+20 23.5	1.181	2.098	14.5	18.8
4 11	11 15.93	+19 38.9	1.266	2.125	18.1	19.1
4 21	11 13.03	+18 32.2	1.368	2.153	21.1	19.4
371013 2005 UB_{20}			3 14.7 88°.22		5°.0/20.1 18	
2 11	12 0.95	−15 9.7	1.910	2.686	15.5	21.0
2 21	11 56.00	−14 59.1	1.842	2.704	12.5	20.8
3 2	11 49.13	−14 24.5	1.795	2.721	9.1	20.7
3 12	11 41.13	−13 27.6	1.773	2.739	6.1	20.5
3 22	11 32.93	−12 13.4	1.779	2.756	5.1	20.5
4 1	11 25.50	−10 49.2	1.812	2.773	7.1	20.6
4 11	11 19.66	− 9 23.7	1.873	2.789	10.2	20.8
4 21	11 15.91	− 8 4.3	1.956	2.806	13.2	21.1
351943 2006 TB_{61}			3 14.7 188°.47		1°.9/17.3 17	
2 11	11 57.49	− 8 2.8	2.769	3.566	10.6	21.9
2 21	11 53.06	− 7 25.0	2.679	3.566	8.1	21.8
3 2	11 47.31	− 6 33.0	2.615	3.564	5.3	21.6
3 12	11 40.75	− 5 29.4	2.579	3.563	2.6	21.4
3 22	11 33.96	− 4 18.5	2.573	3.561	2.4	21.4
4 1	11 27.60	− 3 5.5	2.598	3.559	5.2	21.6
4 11	11 22.24	− 1 55.6	2.651	3.556	8.0	21.7
4 21	11 18.30	− 0 53.1	2.729	3.554	10.6	21.9
344322 2001 US_{222}			3 14.7 225°.38		1°.6/12.8 18	
2 11	12 0.04	+ 5 51.3	2.596	3.439	9.8	21.3
2 21	11 54.99	+ 6 28.4	2.511	3.431	7.1	21.1
3 2	11 48.46	+ 7 11.2	2.453	3.423	4.0	20.9
3 12	11 41.01	+ 7 55.1	2.424	3.415	1.6	20.7
3 22	11 33.29	+ 8 35.8	2.425	3.406	3.6	20.8
4 1	11 26.04	+ 9 9.0	2.456	3.397	6.7	21.0
4 11	11 19.89	+ 9 31.6	2.514	3.387	9.7	21.2
4 21	11 15.32	+ 9 41.9	2.594	3.377	12.2	21.3
123759 2001 AC_{40}			3 14.7 143°.81		13°.0/22.8 18	
2 11	12 13.17	−23 45.3	1.320	2.059	22.9	20.2
2 21	12 6.24	−25 34.4	1.250	2.066	20.0	20.0
3 2	11 55.73	−26 50.4	1.197	2.073	16.9	19.8
3 12	11 42.66	−27 25.3	1.164	2.080	14.2	19.6
3 22	11 28.69	−27 16.1	1.153	2.086	13.0	19.6
4 1	11 15.78	−26 27.4	1.166	2.091	13.9	19.6
4 11	11 5.65	−25 11.4	1.200	2.096	16.3	19.8
4 21	10 59.26	−23 43.1	1.253	2.100	19.2	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
53096 1998 YK_{17}			3 14.7 145°.66		5°.5/20.3 18	
	h m	° ′			°	m
2 11	12 4.34	−15 56.4	2.175	2.932	14.4	19.5
2 21	11 58.37	−16 15.9	2.095	2.942	11.8	19.4
3 2	11 50.51	−16 14.8	2.036	2.951	8.9	19.2
3 12	11 41.45	−15 53.0	2.004	2.959	6.4	19.1
3 22	11 32.09	−15 13.2	2.000	2.967	5.6	19.0
4 1	11 23.37	−14 20.1	2.024	2.975	7.1	19.1
4 11	11 16.13	−13 20.8	2.075	2.982	9.8	19.3
4 21	11 10.91	−12 21.8	2.150	2.988	12.6	19.5
431973 2008 UO_{142}			3 14.7 170°.98		0°.2/14.9 17	
2 11	12 0.02	− 0 51.5	2.234	3.065	11.7	21.7
2 21	11 55.13	− 0 16.8	2.155	3.067	8.6	21.5
3 2	11 48.59	+ 0 29.4	2.102	3.068	5.0	21.3
3 12	11 41.04	+ 1 23.0	2.077	3.069	1.2	21.0
3 22	11 33.24	+ 2 18.6	2.082	3.070	2.8	21.1
4 1	11 26.00	+ 3 10.7	2.115	3.071	6.5	21.4
4 11	11 20.05	+ 3 54.5	2.175	3.071	10.0	21.6
4 21	11 15.88	+ 4 26.6	2.259	3.072	12.9	21.8
204660 2006 CV_{18}			3 14.7 57°.56		0°.6/15.0 18	
2 11	12 6.45	+ 0 2.2	1.286	2.138	17.3	20.0
2 21	12 0.65	+ 0 4.6	1.228	2.149	12.7	19.8
3 2	11 52.06	+ 0 22.1	1.192	2.161	7.5	19.5
3 12	11 41.80	+ 0 49.5	1.181	2.173	1.8	19.2
3 22	11 31.26	+ 1 20.3	1.195	2.185	4.0	19.4
4 1	11 21.93	+ 1 47.0	1.236	2.198	9.4	19.7
4 11	11 14.97	+ 2 3.7	1.299	2.211	14.1	20.0
4 21	11 10.98	+ 2 7.1	1.382	2.223	18.0	20.3
334305 2001 VZ_{88}			3 14.7 139°.23		3°.6/19.4 18	
2 11	12 0.57	−12 52.5	2.878	3.642	11.1	21.0
2 21	11 55.21	−12 55.3	2.796	3.654	8.8	20.8
3 2	11 48.52	−12 43.4	2.739	3.665	6.4	20.7
3 12	11 41.01	−12 17.9	2.710	3.675	4.2	20.6
3 22	11 33.33	−11 41.4	2.710	3.686	3.7	20.5
4 1	11 26.11	−10 57.5	2.740	3.695	5.3	20.7
4 11	11 19.94	−10 11.0	2.799	3.705	7.6	20.8
4 21	11 15.24	− 9 26.0	2.883	3.714	9.9	21.0
292633 2006 UL_{25}			3 14.7 218°.14		0°.8/15.5 16	
2 11	12 2.74	− 2 39.9	2.048	2.872	12.8	22.1
2 21	11 57.34	− 2 10.5	1.958	2.864	9.6	21.9
3 2	11 49.99	− 1 26.7	1.893	2.856	5.8	21.6
3 12	11 41.36	− 0 32.5	1.855	2.847	1.7	21.3
3 22	11 32.33	+ 0 26.8	1.847	2.837	2.9	21.4
4 1	11 23.86	+ 1 24.6	1.868	2.826	7.1	21.6
4 11	11 16.83	+ 2 15.1	1.916	2.815	10.9	21.8
4 21	11 11.83	+ 2 53.9	1.986	2.803	14.2	22.0
296261 2009 DX_{34}			3 14.7 128°.66		0°.6/13.9 17	
2 11	11 57.65	+ 1 17.1	2.349	3.189	10.9	21.2
2 21	11 53.35	+ 2 6.8	2.272	3.190	7.8	21.0
3 2	11 47.54	+ 3 6.5	2.222	3.191	4.4	20.7
3 12	11 40.82	+ 4 11.3	2.200	3.192	0.9	20.5
3 22	11 33.87	+ 5 15.7	2.207	3.194	3.1	20.7
4 1	11 27.45	+ 6 14.0	2.244	3.195	6.6	20.9
4 11	11 22.20	+ 7 1.8	2.307	3.196	9.8	21.1
4 21	11 18.59	+ 7 36.4	2.394	3.197	12.5	21.3
505947 2015 FG_{123}			3 14.7 101°.27		1°.9/12.4 17	
2 11	11 58.03	+ 4 44.1	2.150	3.002	11.3	20.7
2 21	11 53.74	+ 5 50.6	2.078	3.003	8.0	20.5
3 2	11 47.81	+ 7 5.7	2.033	3.004	4.5	20.3
3 12	11 40.88	+ 8 23.1	2.015	3.005	1.9	20.1
3 22	11 33.71	+ 9 35.9	2.027	3.007	4.3	20.3
4 1	11 27.12	+10 38.0	2.067	3.008	7.8	20.5
4 11	11 21.83	+11 25.1	2.133	3.009	11.0	20.7
4 21	11 18.31	+11 55.0	2.221	3.010	13.8	20.9
157890 1999 RV_{200}			3 14.7 181°.70		3°.9/19.5 17	
2 11	11 59.48	−13 47.7	2.355	3.128	13.0	20.6
2 21	11 54.75	−13 24.9	2.265	3.128	10.4	20.4
3 2	11 48.39	−12 42.1	2.199	3.129	7.5	20.2
3 12	11 41.01	−11 41.0	2.159	3.128	4.8	20.1
3 22	11 33.35	−10 25.8	2.148	3.128	4.0	20.0
4 1	11 26.20	− 9 2.5	2.167	3.127	6.1	20.1
4 11	11 20.30	− 7 38.1	2.213	3.126	9.0	20.3
4 21	11 16.14	− 6 19.0	2.284	3.124	11.9	20.5
350412 2012 VN_{54}			3 14.7 258°.23		7°.0/ 6.2 17	
2 11	12 4.10	+24 27.9	2.367	3.215	10.5	21.1
2 21	11 58.16	+25 30.4	2.297	3.200	8.5	20.9
3 2	11 50.37	+26 25.4	2.252	3.185	7.2	20.8
3 12	11 41.43	+27 6.0	2.236	3.170	7.3	20.8
3 22	11 32.21	+27 26.6	2.247	3.154	8.9	20.9
4 1	11 23.62	+27 24.6	2.283	3.139	11.1	21.0
4 11	11 16.48	+26 59.8	2.343	3.123	13.4	21.1
4 21	11 11.31	+26 14.8	2.421	3.106	15.4	21.2

256243 2006 WG_{15} 3 14.7 179°.00 6°.6/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.42	+19 19.5	2.047	2.906	11.4	20.1
2 21	11 57.77	+20 50.0	1.990	2.907	8.8	19.9
3 2	11 50.17	+22 16.6	1.960	2.908	6.9	19.8
3 12	11 41.39	+23 30.5	1.957	2.909	6.8	19.8
3 22	11 32.36	+24 24.6	1.982	2.909	8.7	19.9
4 1	11 24.08	+24 54.6	2.033	2.908	11.4	20.1
4 11	11 17.40	+24 59.9	2.106	2.907	14.0	20.2
4 21	11 12.84	+24 42.3	2.199	2.905	16.2	20.4

222647 2001 XN_{173} 3 14.7 57°.11 1°.6/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.29	− 4 11.8	1.670	2.503	14.9	20.0
2 21	11 56.44	− 3 52.7	1.604	2.513	11.1	19.8
3 2	11 49.48	− 3 16.5	1.561	2.523	6.9	19.6
3 12	11 41.25	− 2 27.3	1.544	2.534	2.6	19.3
3 22	11 32.76	− 1 31.5	1.555	2.545	3.2	19.4
4 1	11 25.11	− 0 36.3	1.593	2.556	7.5	19.7
4 11	11 19.20	+ 0 11.5	1.656	2.567	11.6	20.0
4 21	11 15.58	+ 0 47.3	1.740	2.579	15.0	20.2

344396 2001 YS_{124} 3 14.7 156°.27 1°.1/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.59	+ 5 3.9	3.287	4.121	8.2	21.5
2 21	11 54.31	+ 5 39.2	3.214	4.130	5.9	21.4
3 2	11 47.92	+ 6 18.8	3.170	4.139	3.3	21.2
3 12	11 40.89	+ 6 59.5	3.156	4.147	1.1	21.0
3 22	11 33.73	+ 7 37.7	3.173	4.154	2.7	21.2
4 1	11 26.98	+ 8 10.3	3.221	4.161	5.3	21.4
4 11	11 21.14	+ 8 34.8	3.297	4.167	7.7	21.5
4 21	11 16.54	+ 8 49.9	3.398	4.173	9.7	21.7

501502 2014 DE_{36} 3 14.7 30°.78 0°.0/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.94	+ 0 9.7	2.028	2.869	12.3	21.6
2 21	11 54.45	+ 0 37.1	1.958	2.875	9.0	21.4
3 2	11 48.23	+ 1 15.6	1.913	2.881	5.2	21.1
3 12	11 40.97	+ 2 0.6	1.895	2.888	1.1	20.9
3 22	11 33.49	+ 2 47.0	1.906	2.895	3.0	21.0
4 1	11 26.67	+ 3 29.1	1.945	2.902	6.9	21.3
4 11	11 21.23	+ 4 2.2	2.009	2.909	10.5	21.5
4 21	11 17.68	+ 4 23.4	2.096	2.917	13.5	21.7

228225 1998 HM_{16} 3 14.7 226°.87 1°.5/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.97	+ 4 7.4	2.017	2.865	12.1	20.8
2 21	11 56.02	+ 4 53.5	1.938	2.860	8.7	20.6
3 2	11 49.19	+ 5 48.7	1.884	2.855	4.9	20.4
3 12	11 41.19	+ 6 47.4	1.859	2.850	1.6	20.1
3 22	11 32.87	+ 7 43.1	1.862	2.845	4.1	20.3
4 1	11 25.16	+ 8 29.8	1.894	2.840	8.0	20.5
4 11	11 18.89	+ 9 3.0	1.951	2.834	11.6	20.7
4 21	11 14.60	+ 9 20.6	2.029	2.828	14.6	20.9

208392 2001 SX_{168} 3 14.7 177°.00 0°.2/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.47	− 1 1.7	2.775	3.599	9.9	21.3
2 21	11 53.74	− 0 22.5	2.693	3.601	7.2	21.2
3 2	11 47.70	+ 0 26.4	2.637	3.602	4.2	21.0
3 12	11 40.85	+ 1 21.3	2.611	3.603	1.0	20.7
3 22	11 33.81	+ 2 18.0	2.615	3.603	2.3	20.8
4 1	11 27.21	+ 3 11.8	2.649	3.603	5.5	21.0
4 11	11 21.62	+ 3 58.7	2.712	3.603	8.4	21.2
4 21	11 17.46	+ 4 35.9	2.798	3.602	10.9	21.4

36697 2000 RC_{17} 3 14.7 203°.40 3°.2/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.73	−11 21.3	2.727	3.506	11.2	19.7
2 21	11 54.02	−11 12.3	2.633	3.502	8.9	19.5
3 2	11 47.91	−10 48.1	2.564	3.499	6.3	19.3
3 12	11 40.91	−10 10.1	2.522	3.495	3.9	19.2
3 22	11 33.64	− 9 21.4	2.509	3.491	3.4	19.1
4 1	11 26.80	− 8 26.3	2.527	3.486	5.4	19.3
4 11	11 20.99	− 7 29.9	2.572	3.481	8.1	19.4
4 21	11 16.67	− 6 36.8	2.642	3.476	10.6	19.6

147969 1994 TD_{8} 3 14.7 84°.16 1°.2/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.07	+ 3 0.2	1.672	2.519	14.2	20.8
2 21	11 59.00	+ 3 38.6	1.621	2.542	10.2	20.6
3 2	11 50.84	+ 4 26.9	1.595	2.566	5.7	20.4
3 12	11 41.52	+ 5 18.6	1.596	2.589	1.4	20.2
3 22	11 32.12	+ 6 6.7	1.626	2.611	4.1	20.4
4 1	11 23.75	+ 6 45.2	1.683	2.633	8.4	20.7
4 11	11 17.25	+ 7 10.0	1.765	2.655	12.2	21.0
4 21	11 13.09	+ 7 19.3	1.868	2.677	15.3	21.2

381191 2007 PN_{46} 3 14.7 86°.89 1°.6/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.54	+ 3 31.9	2.099	2.948	11.6	20.6
2 21	11 54.08	+ 4 40.8	2.036	2.959	8.3	20.4
3 2	11 47.98	+ 5 58.9	1.999	2.971	4.6	20.2
3 12	11 40.92	+ 7 19.6	1.991	2.982	1.6	20.0
3 22	11 33.68	+ 8 35.9	2.012	2.994	4.0	20.2
4 1	11 27.10	+ 9 41.7	2.062	3.005	7.6	20.4
4 11	11 21.87	+10 32.3	2.137	3.016	10.9	20.6
4 21	11 18.45	+11 5.7	2.235	3.027	13.6	20.8

22067 2000 AM_{101} 3 14.7 212°.39 3°.2/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 0.64	+ 9 46.4	2.321	3.174	10.5	18.5
2 21	11 55.59	+10 49.7	2.244	3.168	7.5	18.3
3 2	11 48.88	+11 57.1	2.194	3.162	4.6	18.1
3 12	11 41.14	+13 2.4	2.173	3.156	3.2	18.0
3 22	11 33.12	+13 59.6	2.182	3.149	5.2	18.1
4 1	11 25.64	+14 43.6	2.219	3.142	8.3	18.3
4 11	11 19.43	+15 11.2	2.281	3.134	11.3	18.5
4 21	11 14.98	+15 21.7	2.365	3.126	13.9	18.6

155909 2001 NF_{15} 3 14.7 306°.06 1°.2/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.82	− 0 58.4	1.253	2.107	17.5	19.5
2 21	11 59.94	− 1 4.1	1.172	2.093	13.2	19.2
3 2	11 52.00	− 0 53.2	1.112	2.080	8.0	18.9
3 12	11 41.89	− 0 29.3	1.075	2.067	2.4	18.5
3 22	11 31.00	+ 0 1.5	1.064	2.054	4.2	18.6
4 1	11 20.96	+ 0 31.4	1.077	2.042	10.0	18.9
4 11	11 13.24	+ 0 52.8	1.113	2.030	15.4	19.1
4 21	11 8.71	+ 1 0.6	1.167	2.019	20.0	19.4

1134 Kepler 3 14.7 212°.23 1°.2/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.64	+ 5 36.9	3.047	3.876	8.9	20.2
2 21	11 57.42	+ 6 7.2	2.952	3.866	6.4	20.0
3 2	11 49.82	+ 6 42.1	2.886	3.854	3.7	19.8
3 12	11 41.34	+ 7 18.2	2.851	3.841	1.3	19.6
3 22	11 32.60	+ 7 51.8	2.847	3.828	3.1	19.7
4 1	11 24.24	+ 8 19.3	2.875	3.814	5.9	19.9
4 11	11 16.88	+ 8 38.1	2.932	3.798	8.6	20.0
4 21	11 10.95	+ 8 46.8	3.013	3.782	11.0	20.2

32316 2000 QA_{44} 3 14.7 262°.97 0°.4/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.03	− 1 6.3	2.349	3.179	11.2	19.5
2 21	11 54.44	− 0 38.3	2.259	3.169	8.3	19.2
3 2	11 48.24	+ 0 0.9	2.194	3.159	4.9	19.0
3 12	11 41.02	+ 0 47.7	2.157	3.150	1.2	18.7
3 22	11 33.48	+ 1 37.4	2.150	3.139	2.6	18.8
4 1	11 26.41	+ 2 25.0	2.172	3.129	6.3	19.0
4 11	11 20.52	+ 3 5.7	2.221	3.119	9.7	19.2
4 21	11 16.31	+ 3 36.0	2.293	3.109	12.6	19.4

273053 2006 DG_{164} 3 14.7 262°.07 0°.6/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.77	− 2 10.9	1.989	2.822	12.8	21.1
2 21	11 55.20	− 1 37.9	1.905	2.817	9.5	20.9
3 2	11 48.77	− 0 50.7	1.846	2.811	5.7	20.6
3 12	11 41.14	+ 0 6.5	1.814	2.806	1.6	20.3
3 22	11 33.17	+ 1 7.9	1.811	2.801	3.0	20.4
4 1	11 25.78	+ 2 6.9	1.836	2.795	7.1	20.7
4 11	11 19.81	+ 2 57.6	1.887	2.790	10.9	20.9
4 21	11 15.82	+ 3 35.7	1.960	2.784	14.2	21.1

434876 2006 SD_{334} 3 14.7 104°.09 3°.2/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.87	+11 36.6	2.374	3.226	10.3	21.8
2 21	11 56.32	+12 13.0	2.311	3.234	7.4	21.6
3 2	11 49.22	+12 50.3	2.275	3.242	4.6	21.4
3 12	11 41.21	+13 23.5	2.268	3.250	3.2	21.4
3 22	11 33.06	+13 47.9	2.290	3.257	5.0	21.5
4 1	11 25.55	+14 0.3	2.340	3.265	7.9	21.7
4 11	11 19.35	+13 58.8	2.416	3.272	10.6	21.9
4 21	11 14.90	+13 43.4	2.514	3.279	13.0	22.0

281091 2006 TW_{99} 3 14.7 328°.92 3°.6/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.97	−11 32.5	2.257	3.047	13.0	20.2
2 21	11 53.74	−11 23.2	2.169	3.044	10.3	20.1
3 2	11 47.86	−10 55.5	2.104	3.042	7.3	19.9
3 12	11 40.95	−10 11.2	2.066	3.040	4.5	19.7
3 22	11 33.73	− 9 14.1	2.055	3.038	3.8	19.6
4 1	11 27.02	− 8 9.5	2.073	3.036	6.2	19.8
4 11	11 21.55	− 7 4.0	2.118	3.034	9.2	20.0
4 21	11 17.83	− 6 3.3	2.188	3.032	12.1	20.1

338999 2004 GF_{32} 3 14.7 50°.46 1°.5/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.26	− 6 9.4	1.973	2.795	13.3	20.5
2 21	11 53.28	− 5 18.9	1.904	2.807	10.0	20.3
3 2	11 47.59	− 4 10.7	1.859	2.818	6.2	20.1
3 12	11 40.88	− 2 49.5	1.841	2.830	2.4	19.8
3 22	11 33.97	− 1 22.1	1.851	2.842	2.8	19.9
4 1	11 27.73	+ 0 3.7	1.891	2.854	6.6	20.2
4 11	11 22.88	+ 1 20.9	1.957	2.866	10.2	20.4
4 21	11 19.90	+ 2 24.5	2.046	2.878	13.3	20.6

31242 1998 DO_{10} 3 14.7 267°.12 5°.2/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.35	−17 7.2	2.559	3.307	12.7	18.5
2 21	11 54.72	−17 18.0	2.450	3.289	10.6	18.3
3 2	11 48.46	−17 10.0	2.363	3.271	8.2	18.1
3 12	11 41.09	−16 43.0	2.302	3.253	6.1	17.9
3 22	11 33.30	−15 58.8	2.269	3.234	5.3	17.9
4 1	11 25.87	−15 1.3	2.264	3.215	6.5	17.9
4 11	11 19.54	−13 56.2	2.287	3.196	8.9	18.0
4 21	11 14.86	−12 49.9	2.334	3.177	11.6	18.2

40895 1999 TZ_{140} 3 14.7 174°.74 0°.6/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 0.82	− 1 49.1	2.110	2.939	12.3	20.0
2 21	11 55.83	− 1 22.0	2.030	2.940	9.1	19.8
3 2	11 49.07	− 0 42.2	1.976	2.941	5.4	19.6
3 12	11 41.21	+ 0 6.2	1.949	2.941	1.5	19.3
3 22	11 33.07	+ 0 58.0	1.952	2.941	2.8	19.4
4 1	11 25.53	+ 1 47.6	1.983	2.942	6.7	19.6
4 11	11 19.36	+ 2 29.6	2.041	2.942	10.3	19.9
4 21	11 15.09	+ 3 0.6	2.122	2.941	13.4	20.1

494218 2016 JR_{36} 3 14.7 280°.35 6°.1/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.22	−17 23.8	1.949	2.714	15.6	21.1
2 21	11 55.07	−17 24.5	1.846	2.697	13.0	20.8
3 2	11 48.84	−16 59.7	1.764	2.680	10.0	20.6
3 12	11 41.20	−16 9.0	1.707	2.663	7.2	20.4
3 22	11 33.01	−14 55.0	1.676	2.646	6.1	20.3
4 1	11 25.31	−13 24.3	1.672	2.629	7.8	20.4
4 11	11 19.08	−11 45.9	1.694	2.612	10.9	20.5
4 21	11 14.98	−10 9.0	1.740	2.595	14.2	20.7

253268 2003 AH_{69} 3 14.7 129°.84 13°.3/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 12.42	−24 54.8	1.341	2.072	22.9	20.4
2 21	12 5.68	−26 44.6	1.272	2.081	20.1	20.2
3 2	11 55.41	−28 0.5	1.220	2.090	17.1	20.0
3 12	11 42.66	−28 34.7	1.188	2.098	14.6	19.9
3 22	11 29.05	−28 24.1	1.179	2.106	13.3	19.8
4 1	11 16.51	−27 33.4	1.191	2.113	14.0	19.9
4 11	11 6.71	−26 14.9	1.226	2.119	16.2	20.0
4 21	11 0.57	−24 43.2	1.279	2.125	18.9	20.2

195659 2002 NF_{62} 3 14.7 219°.85 1°.2/13.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.76	+ 3 40.1	2.107	2.953	11.7	20.8
2 21	11 55.79	+ 4 17.7	2.030	2.950	8.5	20.6
3 2	11 49.05	+ 5 3.8	1.977	2.948	4.8	20.3
3 12	11 41.21	+ 5 53.4	1.953	2.945	1.3	20.1
3 22	11 33.08	+ 6 40.9	1.958	2.943	3.7	20.3
4 1	11 25.56	+ 7 20.8	1.992	2.940	7.5	20.5
4 11	11 19.41	+ 7 49.0	2.051	2.937	10.9	20.7
4 21	11 15.15	+ 8 3.3	2.132	2.934	13.9	20.9

315245 2007 RY_{298} 3 14.7 144°.69 2°.0/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.43	+ 5 15.2	1.820	2.667	13.2	21.8
2 21	11 59.31	+ 6 1.1	1.755	2.677	9.5	21.6
3 2	11 51.10	+ 6 55.1	1.715	2.686	5.4	21.4
3 12	11 41.64	+ 7 50.6	1.704	2.695	2.0	21.1
3 22	11 31.97	+ 8 40.6	1.721	2.702	4.6	21.3
4 1	11 23.14	+ 9 19.3	1.767	2.710	8.6	21.6
4 11	11 16.05	+ 9 42.7	1.837	2.717	12.4	21.8
4 21	11 11.24	+ 9 49.7	1.929	2.723	15.5	22.1

415465 2014 MA_{53} 3 14.7 221°.64 0°.8/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.98	− 3 27.7	1.868	2.694	13.8	22.1
2 21	11 57.72	− 2 43.0	1.777	2.684	10.3	21.9
3 2	11 50.33	− 1 40.7	1.711	2.674	6.2	21.6
3 12	11 41.52	− 0 25.4	1.672	2.663	1.8	21.3
3 22	11 32.23	+ 0 56.1	1.662	2.651	3.2	21.3
4 1	11 23.53	+ 2 15.5	1.680	2.639	7.7	21.6
4 11	11 16.40	+ 3 25.3	1.725	2.625	11.9	21.8
4 21	11 11.49	+ 4 20.3	1.793	2.611	15.5	22.0

365159 Garching 3 14.7 340°.54 0°.4/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.65	+ 0 20.2	1.253	2.117	16.8	20.8
2 21	11 55.99	+ 0 54.7	1.181	2.109	12.4	20.5
3 2	11 49.60	+ 1 47.5	1.129	2.102	7.2	20.2
3 12	11 41.38	+ 2 51.9	1.102	2.095	1.5	19.8
3 22	11 32.62	+ 3 58.4	1.100	2.089	4.5	20.0
4 1	11 24.76	+ 4 57.1	1.122	2.084	10.1	20.3
4 11	11 19.07	+ 5 39.7	1.167	2.080	15.2	20.6
4 21	11 16.26	+ 6 1.9	1.229	2.077	19.5	20.8

308736 2006 HP_{89} 3 14.7 314°.57 4°.6/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.57	− 9 35.5	1.280	2.113	18.5	20.3
2 21	11 55.45	− 9 37.4	1.186	2.089	14.7	20.0
3 2	11 49.47	− 9 11.3	1.113	2.066	10.2	19.7
3 12	11 41.40	− 8 17.7	1.061	2.044	5.8	19.3
3 22	11 32.43	− 7 1.5	1.034	2.022	5.1	19.2
4 1	11 24.08	− 5 32.7	1.030	2.000	9.6	19.4
4 11	11 17.80	− 4 3.9	1.049	1.980	14.8	19.6
4 21	11 14.54	− 2 46.4	1.087	1.960	19.6	19.8

347108 2010 HJ_{107} 3 14.7 167°.13 0°.4/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.56	+ 0 14.6	2.522	3.356	10.4	20.8
2 21	11 53.22	+ 1 11.5	2.443	3.358	7.5	20.6
3 2	11 47.47	+ 2 18.8	2.391	3.360	4.3	20.4
3 12	11 40.86	+ 3 31.7	2.369	3.361	0.9	20.1
3 22	11 34.05	+ 4 44.8	2.376	3.363	2.8	20.3
4 1	11 27.72	+ 5 52.5	2.413	3.364	6.2	20.5
4 11	11 22.48	+ 6 50.2	2.478	3.365	9.3	20.7
4 21	11 18.77	+ 7 34.9	2.566	3.366	11.9	20.9

431549 2007 TD_{442} 3 14.7 49°.75 9°.1/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.64	+27 47.2	1.876	2.726	12.7	20.2
2 21	11 59.35	+28 53.9	1.846	2.744	10.5	20.1
3 2	11 51.01	+29 46.3	1.840	2.763	9.2	20.0
3 12	11 41.60	+30 16.6	1.860	2.782	9.4	20.1
3 22	11 32.23	+30 20.2	1.905	2.801	10.9	20.2
4 1	11 23.98	+29 56.3	1.974	2.820	12.9	20.4
4 11	11 17.67	+29 7.4	2.064	2.839	15.1	20.6
4 21	11 13.70	+27 58.2	2.171	2.859	16.9	20.8

403289 2009 BU_{72} 3 14.7 54°.05 2°.1/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.18	+ 3 33.4	1.223	2.091	16.9	20.9
2 21	11 58.20	+ 4 34.0	1.181	2.112	12.1	20.7
3 2	11 50.60	+ 5 47.3	1.160	2.134	6.7	20.5
3 12	11 41.54	+ 7 3.3	1.164	2.156	2.2	20.3
3 22	11 32.39	+ 8 11.6	1.194	2.178	5.5	20.5
4 1	11 24.53	+ 9 3.4	1.248	2.200	10.5	20.9
4 11	11 19.00	+ 9 33.9	1.325	2.223	14.9	21.2
4 21	11 16.28	+ 9 42.1	1.421	2.246	18.5	21.5

882 Swetlana 3 14.7 137°.40 2°.1/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.18	− 8 18.4	2.988	3.776	10.1	16.6
2 21	11 54.16	− 7 59.8	2.909	3.790	7.8	16.5
3 2	11 47.92	− 7 28.9	2.857	3.802	5.2	16.3
3 12	11 40.96	− 6 47.9	2.833	3.814	2.7	16.2
3 22	11 33.85	− 6 0.0	2.840	3.826	2.5	16.2
4 1	11 27.19	− 5 9.2	2.877	3.837	4.8	16.3
4 11	11 21.51	− 4 19.8	2.943	3.848	7.3	16.5
4 21	11 17.19	− 3 35.4	3.035	3.858	9.7	16.7

496414 2013 XT_{19} 3 14.7 56°.60 4°.7/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.80	−14 41.9	2.249	3.020	13.6	21.3
2 21	11 54.32	−14 45.0	2.168	3.027	11.0	21.2
3 2	11 48.19	−14 28.3	2.110	3.033	8.2	21.0
3 12	11 41.04	−13 52.9	2.077	3.040	5.6	20.9
3 22	11 33.62	−13 1.9	2.072	3.047	4.8	20.8
4 1	11 26.76	−12 0.4	2.095	3.053	6.4	20.9
4 11	11 21.20	−10 55.2	2.145	3.060	9.2	21.1
4 21	11 17.42	− 9 52.4	2.219	3.067	11.9	21.3

424694 2008 SU_{9} 3 14.7 155°.71 0°.2/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.12	+ 0 30.9	2.484	3.307	10.9	22.0
2 21	11 57.93	+ 0 42.0	2.407	3.315	8.0	21.8
3 2	11 50.16	+ 1 1.3	2.357	3.322	4.6	21.6
3 12	11 41.45	+ 1 25.8	2.336	3.328	1.1	21.3
3 22	11 32.54	+ 1 51.7	2.345	3.334	2.6	21.4
4 1	11 24.21	+ 2 15.2	2.385	3.339	6.0	21.7
4 11	11 17.14	+ 2 32.7	2.453	3.344	9.2	21.9
4 21	11 11.79	+ 2 42.1	2.545	3.348	11.9	22.1

348621 2005 YV_{52} 3 14.7 94°.31 1°.5/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.58	− 3 36.1	1.465	2.298	16.6	20.8
2 21	12 0.45	− 3 19.3	1.408	2.317	12.3	20.6
3 2	11 51.86	− 2 44.4	1.373	2.336	7.5	20.4
3 12	11 41.83	− 1 56.2	1.364	2.355	2.6	20.1
3 22	11 31.61	− 1 1.8	1.383	2.373	3.6	20.2
4 1	11 22.51	− 0 9.2	1.428	2.391	8.4	20.5
4 11	11 15.54	+ 0 34.5	1.498	2.408	12.7	20.8
4 21	11 11.26	+ 1 4.8	1.590	2.425	16.4	21.1

230956 2004 XT_{112} 3 14.7 117°.17 1°.5/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.22	− 4 12.4	2.050	2.872	12.9	21.0
2 21	11 56.14	− 3 54.9	1.975	2.878	9.7	20.8
3 2	11 49.26	− 3 23.1	1.924	2.884	6.0	20.6
3 12	11 41.28	− 2 40.4	1.900	2.889	2.3	20.4
3 22	11 33.04	− 1 51.6	1.905	2.895	2.8	20.4
4 1	11 25.45	− 1 2.6	1.939	2.901	6.6	20.6
4 11	11 19.29	− 0 18.9	1.999	2.906	10.2	20.9
4 21	11 15.07	+ 0 15.4	2.083	2.911	13.3	21.1

16299 6566 *P–L* 3 14.7 218°.49 0°.5/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.78	+ 0 54.9	2.410	3.240	11.0	19.9
2 21	11 56.42	+ 1 42.0	2.317	3.230	8.0	19.7
3 2	11 49.41	+ 2 39.7	2.251	3.218	4.6	19.5
3 12	11 41.32	+ 3 43.5	2.213	3.206	1.0	19.2
3 22	11 32.89	+ 4 48.1	2.206	3.193	3.1	19.3
4 1	11 24.91	+ 5 47.7	2.230	3.179	6.7	19.6
4 11	11 18.13	+ 6 37.4	2.280	3.164	10.1	19.7
4 21	11 13.06	+ 7 14.2	2.354	3.149	13.0	19.9

464077 2014 WG_{294} 3 14.7 334°.64 20°.4/11.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.10	+51 3.0	1.263	2.067	20.4	19.7
2 21	11 57.86	+54 15.4	1.243	2.042	21.1	19.7
3 2	11 51.35	+56 45.5	1.240	2.017	22.4	19.7
3 12	11 41.83	+58 19.2	1.251	1.994	24.1	19.7
3 22	11 31.50	+58 50.0	1.274	1.973	25.9	19.8
4 1	11 22.88	+58 18.6	1.305	1.953	27.6	19.9
4 11	11 17.86	+56 52.5	1.343	1.934	29.1	19.9
4 21	11 17.14	+54 41.2	1.386	1.918	30.3	20.0

95559 2002 EK_{98} 3 14.7 157°.86 2°.8/12.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.03	+ 8 32.4	1.957	2.812	12.1	19.5
2 21	11 57.52	+ 9 11.8	1.888	2.813	8.7	19.3
3 2	11 50.08	+ 9 55.8	1.844	2.814	5.1	19.1
3 12	11 41.46	+10 38.1	1.828	2.815	2.8	18.9
3 22	11 32.58	+11 12.9	1.841	2.817	5.1	19.1
4 1	11 24.44	+11 35.3	1.881	2.818	8.7	19.3
4 11	11 17.85	+11 42.4	1.946	2.818	12.1	19.5
4 21	11 13.36	+11 33.8	2.033	2.819	15.0	19.7

148809 2001 UP_{110} 3 14.7 335°.12 0°.7/14.1 17

2 11	12 2.35	+ 2 20.3	1.570	2.423	14.6	19.9
2 21	11 57.48	+ 2 42.6	1.495	2.419	10.7	19.7
3 2	11 50.26	+ 3 16.6	1.443	2.414	6.1	19.4
3 12	11 41.52	+ 3 57.0	1.418	2.410	1.3	19.0
3 22	11 32.37	+ 4 37.0	1.419	2.407	4.1	19.2
4 1	11 24.01	+ 5 9.9	1.447	2.403	8.9	19.5
4 11	11 17.50	+ 5 30.4	1.498	2.400	13.2	19.7
4 21	11 13.49	+ 5 35.8	1.571	2.398	16.9	20.0

464642 2000 QQ_{148} 3 14.7 189°.19 0°.1/14.8 17

2 11	12 4.32	+ 0 34.3	2.606	3.427	10.5	21.9
2 21	11 58.08	+ 0 50.6	2.520	3.426	7.7	21.7
3 2	11 50.28	+ 1 15.2	2.459	3.424	4.5	21.5
3 12	11 41.50	+ 1 44.9	2.429	3.422	1.0	21.3
3 22	11 32.45	+ 2 15.9	2.430	3.418	2.6	21.4
4 1	11 23.91	+ 2 44.4	2.462	3.414	6.0	21.6
4 11	11 16.55	+ 3 6.7	2.521	3.409	9.1	21.8
4 21	11 10.86	+ 3 20.5	2.606	3.404	11.8	22.0

373074 2011 FM_{74} 3 14.7 90°.80 0°.2/14.5 18

2 11	12 3.16	+ 1 7.5	1.888	2.727	13.1	21.5
2 21	11 57.59	+ 1 29.1	1.822	2.739	9.5	21.3
3 2	11 50.10	+ 2 1.1	1.782	2.750	5.5	21.1
3 12	11 41.46	+ 2 39.1	1.768	2.761	1.1	20.8
3 22	11 32.61	+ 3 17.4	1.783	2.772	3.3	21.0
4 1	11 24.55	+ 3 50.7	1.827	2.783	7.4	21.3
4 11	11 18.10	+ 4 14.5	1.896	2.793	11.1	21.5
4 21	11 13.77	+ 4 26.2	1.988	2.804	14.3	21.7

202459 2005 YC_{271} 3 14.7 1°.63 3°.0/12.4 18

2 11	12 1.25	+ 5 31.2	1.190	2.066	16.7	19.9
2 21	11 57.19	+ 6 28.2	1.129	2.064	12.0	19.7
3 2	11 50.27	+ 7 38.0	1.089	2.064	6.9	19.4
3 12	11 41.54	+ 8 50.4	1.073	2.064	3.0	19.1
3 22	11 32.38	+ 9 54.5	1.082	2.064	6.4	19.3
4 1	11 24.30	+10 40.7	1.115	2.066	11.6	19.6
4 11	11 18.55	+11 3.4	1.169	2.068	16.4	19.9
4 21	11 15.79	+11 1.6	1.241	2.070	20.4	20.2

502557 2015 BC_{475} 3 14.7 196°.97 1°.8/12.7 17

2 11	11 59.92	+ 4 20.6	2.045	2.895	11.8	21.8
2 21	11 55.24	+ 5 20.8	1.970	2.894	8.5	21.6
3 2	11 48.77	+ 6 30.2	1.921	2.892	4.8	21.3
3 12	11 41.19	+ 7 42.6	1.900	2.891	1.8	21.1
3 22	11 33.32	+ 8 51.0	1.908	2.889	4.3	21.3
4 1	11 26.07	+ 9 49.1	1.945	2.887	8.0	21.5
4 11	11 20.21	+10 32.3	2.007	2.885	11.5	21.7
4 21	11 16.27	+10 58.4	2.090	2.883	14.4	21.9

391669 2007 YO_{50} 3 14.7 125°.62 3°.6/19.1 17

2 11	12 0.06	−12 6.2	2.621	3.395	11.8	21.4
2 21	11 55.00	−12 7.2	2.540	3.405	9.4	21.2
3 2	11 48.49	−11 52.5	2.484	3.414	6.7	21.0
3 12	11 41.12	−11 23.5	2.454	3.424	4.3	20.9
3 22	11 33.53	−10 43.1	2.454	3.433	3.7	20.9
4 1	11 26.44	− 9 55.5	2.484	3.442	5.6	21.0
4 11	11 20.49	− 9 5.8	2.541	3.450	8.1	21.2
4 21	11 16.11	− 8 18.7	2.623	3.459	10.6	21.4

315429 2007 VG_{291} 3 14.7 93°.97 0°.2/14.9 18

2 11	12 3.98	− 1 7.0	1.638	2.477	14.8	22.0
2 21	11 58.35	− 0 27.3	1.581	2.496	10.8	21.8
3 2	11 50.58	+ 0 27.3	1.547	2.515	6.3	21.5
3 12	11 41.57	+ 1 30.6	1.541	2.533	1.4	21.2
3 22	11 32.40	+ 2 35.2	1.562	2.551	3.5	21.4
4 1	11 24.18	+ 3 33.4	1.611	2.569	8.0	21.7
4 11	11 17.83	+ 4 19.3	1.685	2.586	12.1	22.0
4 21	11 13.85	+ 4 49.7	1.781	2.603	15.4	22.3

353881 2012 WX_{34} 3 14.7 151°.48 1°.5/12.7 18

2 11	11 58.56	+ 5 15.2	2.799	3.641	9.3	21.4
2 21	11 53.80	+ 6 4.2	2.728	3.648	6.6	21.2
3 2	11 47.75	+ 6 58.7	2.684	3.654	3.7	21.0
3 12	11 40.95	+ 7 54.3	2.670	3.660	1.5	20.8
3 22	11 33.99	+ 8 46.5	2.686	3.666	3.3	21.0
4 1	11 27.50	+ 9 31.2	2.732	3.671	6.2	21.2
4 11	11 22.03	+10 5.2	2.805	3.676	8.9	21.4
4 21	11 17.98	+10 27.1	2.902	3.681	11.1	21.5

321832 2010 RB_{75} 3 14.7 204°.12 0°.3/14.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 1.67	− 0 27.3	1.850	2.689	13.4	21.8
2 21	11 56.71	+ 0 26.2	1.770	2.686	9.8	21.5
3 2	11 49.72	+ 1 34.7	1.714	2.682	5.6	21.3
3 12	11 41.41	+ 2 52.1	1.685	2.678	1.1	20.9
3 22	11 32.74	+ 4 11.1	1.686	2.674	3.5	21.1
4 1	11 24.72	+ 5 23.8	1.715	2.669	8.0	21.4
4 11	11 18.28	+ 6 23.5	1.769	2.663	12.0	21.6
4 21	11 13.98	+ 7 6.5	1.846	2.658	15.4	21.8

84148 2002 RB_{65} 3 14.7 189°.91 2°.5/12.3 18

2 11	12 5.59	+ 5 43.0	1.796	2.644	13.3	20.1
2 21	11 59.60	+ 6 47.5	1.721	2.644	9.6	19.8
3 2	11 51.39	+ 8 1.3	1.672	2.642	5.5	19.6
3 12	11 41.78	+ 9 17.0	1.650	2.640	2.5	19.4
3 22	11 31.80	+10 26.3	1.658	2.636	5.2	19.5
4 1	11 22.57	+11 21.9	1.694	2.632	9.4	19.8
4 11	11 15.09	+11 59.1	1.755	2.627	13.2	20.0
4 21	11 9.95	+12 16.5	1.837	2.621	16.5	20.2

11345 1996 YM 3 14.7 127°.65 2°.0/12.8 18

2 11	12 4.74	+ 4 58.2	1.881	2.728	12.9	19.0
2 21	11 58.71	+ 5 52.3	1.822	2.743	9.2	18.8
3 2	11 50.73	+ 6 54.4	1.788	2.758	5.2	18.6
3 12	11 41.61	+ 7 57.8	1.782	2.773	2.0	18.4
3 22	11 32.33	+ 8 55.4	1.806	2.786	4.5	18.6
4 1	11 23.89	+ 9 41.4	1.858	2.800	8.4	18.9
4 11	11 17.14	+10 11.8	1.935	2.812	11.9	19.1
4 21	11 12.55	+10 25.3	2.034	2.824	14.9	19.3

129262 2005 QD_{89} 3 14.7 214°.44 2°.6/18.8 18

2 11	11 57.10	−12 12.4	3.059	3.831	10.3	21.0
2 21	11 52.76	−11 25.4	2.957	3.823	8.1	20.8
3 2	11 47.19	−10 22.4	2.880	3.815	5.7	20.7
3 12	11 40.85	− 9 5.4	2.831	3.807	3.3	20.5
3 22	11 34.29	− 7 38.6	2.814	3.798	2.7	20.4
4 1	11 28.08	− 6 7.0	2.828	3.789	4.8	20.6
4 11	11 22.78	− 4 36.2	2.872	3.779	7.4	20.7
4 21	11 18.77	− 3 11.4	2.942	3.769	9.8	20.9

392609 2011 SQ_{254} 3 14.7 188°.75 0°.9/15.9 17

2 11	11 57.59	− 3 57.4	2.645	3.462	10.5	22.0
2 21	11 53.23	− 3 15.4	2.560	3.461	7.8	21.8
3 2	11 47.50	− 2 21.1	2.500	3.460	4.8	21.6
3 12	11 40.93	− 1 18.0	2.469	3.459	1.6	21.4
3 22	11 34.13	− 0 10.7	2.468	3.458	2.3	21.4
4 1	11 27.78	+ 0 55.6	2.498	3.456	5.5	21.6
4 11	11 22.47	+ 1 55.8	2.555	3.455	8.5	21.8
4 21	11 18.63	+ 2 46.4	2.637	3.452	11.2	22.0

402059 2003 SJ_{395} 3 14.7 97°.69 3°.0/11.9 18

2 11	12 3.14	+ 6 27.7	1.617	2.476	13.9	21.4
2 21	11 57.80	+ 7 41.7	1.564	2.492	9.9	21.2
3 2	11 50.29	+ 9 3.8	1.535	2.507	5.7	21.0
3 12	11 41.53	+10 25.0	1.534	2.522	3.0	20.8
3 22	11 32.61	+11 36.4	1.561	2.537	5.7	21.0
4 1	11 24.65	+12 30.9	1.615	2.552	9.8	21.3
4 11	11 18.55	+13 4.6	1.692	2.567	13.5	21.6
4 21	11 14.82	+13 16.9	1.790	2.581	16.6	21.8

454964 2015 TZ_{202} 3 14.7 103°.68 0°.9/15.5 18

2 11	12 6.37	− 3 14.3	1.553	2.384	15.9	21.7
2 21	12 0.16	− 2 36.6	1.498	2.407	11.7	21.5
3 2	11 51.65	− 1 41.3	1.466	2.430	7.0	21.3
3 12	11 41.82	− 0 34.3	1.460	2.451	2.0	21.0
3 22	11 31.87	+ 0 36.3	1.483	2.473	3.4	21.2
4 1	11 22.99	+ 1 42.3	1.533	2.493	8.2	21.5
4 11	11 16.14	+ 2 36.6	1.609	2.513	12.4	21.8
4 21	11 11.83	+ 3 15.3	1.706	2.532	15.8	22.0

371149 2005 XC_{35} 3 14.7 135°.12 1°.4/13.1 18

2 11	12 2.03	+ 3 59.3	2.226	3.068	11.3	22.0
2 21	11 56.54	+ 4 50.0	2.161	3.080	8.1	21.8
3 2	11 49.42	+ 5 48.4	2.122	3.092	4.5	21.6
3 12	11 41.34	+ 6 49.1	2.112	3.104	1.5	21.4
3 22	11 33.09	+ 7 46.1	2.133	3.115	3.7	21.6
4 1	11 25.51	+ 8 34.3	2.182	3.125	7.2	21.8
4 11	11 19.28	+ 9 9.8	2.257	3.135	10.4	22.0
4 21	11 14.87	+ 9 30.8	2.356	3.145	13.1	22.2

464925 2005 UY_{95} 3 14.7 131°.60 0°.4/14.3 16

2 11	12 1.81	+ 0 26.4	2.090	2.925	12.2	22.5
2 21	11 56.49	+ 1 10.9	2.021	2.936	8.9	22.3
3 2	11 49.45	+ 2 6.4	1.979	2.947	5.1	22.1
3 12	11 41.36	+ 3 8.0	1.964	2.957	1.0	21.8
3 22	11 33.08	+ 4 9.5	1.980	2.967	3.2	22.0
4 1	11 25.48	+ 5 4.9	2.024	2.977	7.0	22.2
4 11	11 19.32	+ 5 49.4	2.095	2.986	10.5	22.4
4 21	11 15.06	+ 6 20.1	2.188	2.994	13.5	22.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
116891 2004 FS_{128}			3 14.7 278°.51		6°.6/ 5.6 18	
	h m	° ′			°	m
2 11	11 59.15	+21 7.9	2.302	3.163	10.3	19.6
2 21	11 54.70	+22 43.0	2.232	3.147	8.1	19.4
3 2	11 48.50	+24 14.7	2.189	3.131	6.7	19.3
3 12	11 41.18	+25 34.7	2.174	3.116	7.0	19.3
3 22	11 33.52	+26 36.3	2.186	3.100	8.8	19.4
4 1	11 26.38	+27 14.9	2.224	3.084	11.2	19.5
4 11	11 20.55	+27 29.1	2.284	3.068	13.5	19.6
4 21	11 16.55	+27 20.3	2.362	3.051	15.7	19.7
497254 2005 GS_{201}			3 14.7 143°.23		2°.0/17.2 17	
2 11	11 58.51	− 7 31.0	2.345	3.150	12.0	21.9
2 21	11 54.03	− 6 58.5	2.263	3.155	9.2	21.7
3 2	11 48.02	− 6 10.1	2.206	3.159	6.0	21.5
3 12	11 41.06	− 5 9.1	2.177	3.162	2.8	21.3
3 22	11 33.87	− 4 0.2	2.178	3.166	2.7	21.3
4 1	11 27.20	− 2 49.3	2.207	3.170	5.8	21.5
4 11	11 21.74	− 1 42.6	2.264	3.173	9.0	21.7
4 21	11 17.95	− 0 44.6	2.346	3.176	11.9	21.9
497744 2006 SZ_{229}			3 14.7 113°.83		1°.8/17.1 17	
2 11	11 58.42	− 6 52.0	2.555	3.360	11.2	22.1
2 21	11 53.81	− 6 21.9	2.480	3.372	8.5	21.9
3 2	11 47.82	− 5 38.0	2.430	3.383	5.5	21.7
3 12	11 41.01	− 4 43.4	2.409	3.394	2.5	21.5
3 22	11 34.03	− 3 42.4	2.417	3.406	2.5	21.5
4 1	11 27.56	− 2 40.2	2.455	3.416	5.4	21.8
4 11	11 22.22	− 1 41.9	2.521	3.427	8.3	22.0
4 21	11 18.40	− 0 51.4	2.611	3.438	11.0	22.2
54335 2000 KJ_{12}			3 14.7 260°.60		7°.9/ 7.0 18	
2 11	12 5.77	+22 9.3	1.834	2.692	12.6	19.0
2 21	11 59.85	+23 23.1	1.767	2.680	10.0	18.8
3 2	11 51.59	+24 30.3	1.724	2.668	8.1	18.7
3 12	11 41.86	+25 21.4	1.709	2.655	8.1	18.7
3 22	11 31.75	+25 49.0	1.719	2.643	10.1	18.7
4 1	11 22.46	+25 49.2	1.755	2.630	12.9	18.9
4 11	11 15.02	+25 22.2	1.812	2.617	15.8	19.0
4 21	11 10.05	+24 31.3	1.887	2.604	18.3	19.2
422637 1985 WA			3 14.7 66°.05		3°.6/11.1 15	
2 11	12 10.56	+11 29.2	2.126	2.967	11.8	22.7
2 21	12 2.28	+12 31.7	2.108	3.025	8.4	22.6
3 2	11 52.45	+13 33.2	2.118	3.083	5.1	22.5
3 12	11 41.96	+14 26.8	2.159	3.138	3.6	22.5
3 22	11 31.74	+15 7.6	2.230	3.193	5.5	22.7
4 1	11 22.66	+15 32.5	2.331	3.246	8.3	23.0
4 11	11 15.35	+15 40.9	2.457	3.298	11.0	23.2
4 21	11 10.13	+15 33.8	2.606	3.349	13.2	23.5
425185 2009 UH_{69}			3 14.7 132°.39		0°.4/14.3 18	
2 11	12 0.19	− 0 47.0	2.242	3.073	11.6	21.6
2 21	11 55.23	+ 0 20.6	2.173	3.086	8.4	21.4
3 2	11 48.69	+ 1 40.4	2.131	3.098	4.8	21.2
3 12	11 41.21	+ 3 6.8	2.118	3.110	1.0	20.9
3 22	11 33.55	+ 4 33.0	2.135	3.122	3.0	21.1
4 1	11 26.51	+ 5 52.3	2.182	3.133	6.7	21.4
4 11	11 20.78	+ 6 59.5	2.256	3.144	10.0	21.6
4 21	11 16.79	+ 7 51.3	2.354	3.154	12.8	21.8
378824 2008 SK_{264}			3 14.7 125°.87		1°.2/15.9 17	
2 11	12 0.76	− 3 40.6	2.132	2.955	12.5	21.8
2 21	11 55.77	− 3 16.8	2.057	2.961	9.3	21.6
3 2	11 49.06	− 2 39.4	2.006	2.967	5.7	21.4
3 12	11 41.30	− 1 52.0	1.983	2.973	2.0	21.2
3 22	11 33.30	− 0 59.5	1.989	2.979	2.7	21.3
4 1	11 25.92	− 0 7.6	2.024	2.985	6.4	21.5
4 11	11 19.91	+ 0 38.2	2.086	2.990	9.9	21.7
4 21	11 15.75	+ 1 14.1	2.171	2.995	12.9	21.9
198812 2005 EV_{207}			3 14.7 309°.54		1°.3/15.9 17	
2 11	11 59.62	− 3 29.3	1.936	2.765	13.3	20.8
2 21	11 55.20	− 3 8.2	1.850	2.758	9.9	20.6
3 2	11 48.86	− 2 32.0	1.789	2.752	6.1	20.3
3 12	11 41.28	− 1 44.3	1.755	2.745	2.1	20.1
3 22	11 33.33	− 0 50.4	1.748	2.738	2.9	20.1
4 1	11 25.96	+ 0 3.4	1.770	2.732	7.0	20.3
4 11	11 20.03	+ 0 50.8	1.817	2.726	10.9	20.6
4 21	11 16.12	+ 1 27.2	1.887	2.720	14.3	20.8
340697 2006 SY_{17}			3 14.7 109°.75		2°.3/12.1 17	
2 11	12 1.45	+ 8 44.8	2.429	3.278	10.2	21.3
2 21	11 56.03	+ 9 18.0	2.364	3.286	7.3	21.1
3 2	11 49.10	+ 9 54.1	2.326	3.295	4.3	20.9
3 12	11 41.30	+10 28.6	2.316	3.303	2.3	20.8
3 22	11 33.35	+10 56.9	2.336	3.312	4.2	20.9
4 1	11 26.00	+11 15.4	2.385	3.320	7.2	21.1
4 11	11 19.90	+11 21.8	2.460	3.328	10.1	21.3
4 21	11 15.50	+11 15.6	2.558	3.335	12.5	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
91433 1999 RL_{2}			3 14.7 303°.23		8°.5/21.3 18	
	h m	° ′			°	m
2 11	12 2.95	−19 1.4	1.795	2.550	17.1	18.3
2 21	11 58.13	−20 2.1	1.694	2.532	14.6	18.1
3 2	11 50.84	−20 39.7	1.614	2.514	11.9	17.9
3 12	11 41.77	−20 50.7	1.557	2.496	9.5	17.7
3 22	11 31.91	−20 34.6	1.525	2.479	8.5	17.6
4 1	11 22.51	−19 54.6	1.518	2.461	9.8	17.6
4 11	11 14.76	−18 58.4	1.535	2.444	12.5	17.7
4 21	11 9.49	−17 54.9	1.574	2.428	15.6	17.9
374551 2006 BO_{121}			3 14.7 158°.47		1°.6/16.2 17	
2 11	12 2.35	− 3 47.0	1.980	2.803	13.3	20.9
2 21	11 57.09	− 3 39.4	1.900	2.804	10.0	20.7
3 2	11 49.90	− 3 17.8	1.845	2.805	6.2	20.5
3 12	11 41.50	− 2 45.2	1.817	2.806	2.4	20.2
3 22	11 32.78	− 2 6.1	1.817	2.807	3.0	20.2
4 1	11 24.70	− 1 26.0	1.846	2.808	6.8	20.5
4 11	11 18.12	− 0 50.6	1.901	2.808	10.6	20.7
4 21	11 13.59	− 0 23.8	1.979	2.809	13.8	20.9
133380 2003 SM_{153}			3 14.7 264°.03		3°.7/11.3 18	
2 11	12 1.85	+ 7 37.7	1.592	2.456	13.8	20.2
2 21	11 57.22	+ 8 55.3	1.514	2.444	10.0	19.9
3 2	11 50.20	+10 22.9	1.460	2.432	5.9	19.6
3 12	11 41.60	+11 51.4	1.433	2.419	3.7	19.4
3 22	11 32.48	+13 10.6	1.433	2.407	6.6	19.6
4 1	11 24.09	+14 12.0	1.460	2.394	10.9	19.8
4 11	11 17.50	+14 50.1	1.509	2.381	15.0	20.0
4 21	11 13.42	+15 3.8	1.578	2.368	18.5	20.2
280151 2002 PG_{111}			3 14.7 216°.19		4°.9/20.9 18	
2 11	11 59.56	−17 6.9	2.543	3.291	12.8	21.3
2 21	11 54.84	−17 0.9	2.444	3.285	10.5	21.1
3 2	11 48.54	−16 35.0	2.367	3.278	8.1	20.9
3 12	11 41.21	−15 49.7	2.316	3.270	5.8	20.8
3 22	11 33.55	−14 47.7	2.293	3.262	4.9	20.7
4 1	11 26.32	−13 33.9	2.300	3.254	6.2	20.8
4 11	11 20.24	−12 14.6	2.334	3.245	8.7	20.9
4 21	11 15.80	−10 56.3	2.394	3.236	11.3	21.0
472703 2015 FY_{38}			3 14.7 225°.23		2°.7/11.4 17	
2 11	12 1.31	+10 41.8	2.651	3.500	9.5	21.3
2 21	11 55.93	+11 17.9	2.571	3.492	6.9	21.1
3 2	11 49.08	+11 56.0	2.518	3.485	4.2	20.9
3 12	11 41.31	+12 31.4	2.494	3.477	2.8	20.8
3 22	11 33.31	+12 59.9	2.500	3.469	4.5	20.9
4 1	11 25.79	+13 17.8	2.535	3.461	7.3	21.0
4 11	11 19.40	+13 23.2	2.596	3.452	10.0	21.2
4 21	11 14.58	+13 15.4	2.680	3.443	12.4	21.4
303382 2004 XD_{23}			3 14.7 29°.67		2°.8/12.7 18	
2 11	12 1.95	+ 5 34.9	1.163	2.039	17.0	19.6
2 21	11 57.61	+ 6 24.0	1.113	2.048	12.2	19.3
3 2	11 50.46	+ 7 24.2	1.083	2.058	6.9	19.1
3 12	11 41.63	+ 8 25.7	1.078	2.069	2.9	18.8
3 22	11 32.56	+ 9 18.4	1.097	2.081	6.1	19.1
4 1	11 24.72	+ 9 53.8	1.141	2.093	11.2	19.4
4 11	11 19.26	+10 7.6	1.205	2.106	15.8	19.7
4 21	11 16.74	+ 9 59.2	1.288	2.120	19.6	20.0
426663 2013 TR_{3}			3 14.7 203°.79		7°.5/ 5.9 17	
2 11	12 4.33	+24 22.3	2.182	3.033	11.1	20.6
2 21	11 58.44	+25 40.2	2.125	3.030	9.0	20.5
3 2	11 50.63	+26 50.0	2.094	3.027	7.7	20.4
3 12	11 41.65	+27 43.7	2.091	3.023	7.9	20.4
3 22	11 32.45	+28 15.4	2.114	3.019	9.5	20.5
4 1	11 23.98	+28 22.2	2.162	3.014	11.7	20.6
4 11	11 17.10	+28 4.4	2.233	3.009	14.0	20.7
4 21	11 12.31	+27 24.8	2.322	3.004	16.1	20.9
413673 2005 WD_{34}			3 14.7 101°.98		4°.0/10.4 18	
2 11	12 4.76	+12 31.4	2.157	3.009	11.2	21.5
2 21	11 58.45	+13 34.6	2.114	3.036	8.1	21.3
3 2	11 50.47	+14 37.8	2.098	3.063	5.2	21.2
3 12	11 41.59	+15 34.2	2.111	3.088	4.0	21.1
3 22	11 32.70	+16 18.1	2.153	3.113	5.9	21.3
4 1	11 24.64	+16 45.7	2.224	3.138	8.8	21.5
4 11	11 18.13	+16 55.7	2.319	3.161	11.5	21.7
4 21	11 13.56	+16 48.8	2.436	3.184	13.8	21.9
105521 2000 RM_{24}			3 14.7 66°.21		5°.6/19.6 18	
2 11	12 7.53	−14 5.4	2.306	3.063	13.7	19.2
2 21	12 0.73	−15 6.2	2.221	3.068	11.2	19.1
3 2	11 52.00	−15 51.0	2.160	3.074	8.5	18.9
3 12	11 41.99	−16 18.2	2.127	3.080	6.3	18.8
3 22	11 31.59	−16 28.4	2.123	3.086	5.7	18.7
4 1	11 21.75	−16 24.1	2.147	3.092	7.3	18.8
4 11	11 13.34	−16 10.2	2.199	3.098	9.8	19.0
4 21	11 6.95	−15 52.0	2.276	3.104	12.3	19.2

130493 2000 QV_{118} 3 14.7 132°.10 3°.1/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 2.74	− 8 35.4	1.610	2.426	16.2	19.5
2 21	11 57.73	− 8 15.7	1.536	2.431	12.5	19.3
3 2	11 50.42	− 7 33.3	1.484	2.437	8.3	19.1
3 12	11 41.66	− 6 31.5	1.458	2.442	4.2	18.8
3 22	11 32.53	− 5 16.8	1.459	2.447	3.9	18.8
4 1	11 24.23	− 3 57.9	1.487	2.452	7.8	19.1
4 11	11 17.76	− 2 43.9	1.540	2.456	12.0	19.3
4 21	11 13.75	− 1 41.6	1.615	2.460	15.7	19.6

6522 Aci 3 14.7 314°.70 17°.5/24.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.93	−31 56.1	1.492	2.173	22.9	16.6
2 21	12 2.19	−34 32.6	1.399	2.152	21.3	16.4
3 2	11 53.88	−36 41.4	1.321	2.131	19.6	16.2
3 12	11 42.60	−38 11.5	1.261	2.110	18.2	16.1
3 22	11 29.61	−38 54.4	1.220	2.090	17.5	16.0
4 1	11 16.83	−38 47.4	1.198	2.070	17.8	15.9
4 11	11 6.29	−37 56.6	1.195	2.052	19.1	15.9
4 21	10 59.44	−36 34.4	1.208	2.034	21.0	16.0

312845 2011 UQ_{55} 3 14.7 162°.48 0°.8/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.17	+ 1 49.4	1.976	2.812	12.8	22.1
2 21	11 59.07	+ 2 32.8	1.904	2.819	9.3	21.9
3 2	11 51.02	+ 3 26.9	1.857	2.825	5.3	21.6
3 12	11 41.77	+ 4 26.2	1.838	2.831	1.2	21.4
3 22	11 32.26	+ 5 24.2	1.850	2.836	3.6	21.5
4 1	11 23.48	+ 6 14.9	1.890	2.840	7.7	21.8
4 11	11 16.29	+ 6 53.3	1.957	2.843	11.4	22.0
4 21	11 11.22	+ 7 17.0	2.046	2.845	14.5	22.2

53363 1999 JD_{77} 3 14.7 35°.11 9°.1/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.21	+22 18.0	1.470	2.342	14.3	17.9
2 21	11 58.17	+23 50.6	1.431	2.350	11.3	17.7
3 2	11 50.64	+25 13.5	1.415	2.360	9.4	17.6
3 12	11 41.69	+26 15.2	1.423	2.369	9.5	17.7
3 22	11 32.60	+26 47.7	1.456	2.380	11.5	17.8
4 1	11 24.67	+26 47.8	1.512	2.390	14.4	18.0
4 11	11 18.89	+26 17.4	1.587	2.401	17.2	18.2
4 21	11 15.78	+25 21.2	1.680	2.413	19.7	18.4

65494 2123 P–L 3 14.7 221°.70 0°.6/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.77	− 1 0.2	2.553	3.377	10.6	19.8
2 21	11 55.61	− 0 49.6	2.466	3.373	7.9	19.6
3 2	11 48.94	− 0 29.6	2.405	3.368	4.7	19.3
3 12	11 41.32	− 0 3.2	2.373	3.364	1.3	19.1
3 22	11 33.45	+ 0 26.1	2.370	3.360	2.4	19.2
4 1	11 26.03	+ 0 54.3	2.398	3.355	5.8	19.4
4 11	11 19.75	+ 1 17.7	2.452	3.350	8.9	19.6
4 21	11 15.06	+ 1 33.5	2.531	3.345	11.6	19.7

336836 2011 FJ_{6} 3 14.7 268°.38 2°.8/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.08	+ 6 29.1	2.076	2.931	11.5	21.2
2 21	11 54.79	+ 7 50.5	1.987	2.914	8.2	21.0
3 2	11 48.65	+ 9 21.6	1.924	2.896	4.8	20.7
3 12	11 41.29	+10 55.2	1.890	2.877	2.8	20.6
3 22	11 33.51	+12 23.0	1.885	2.859	5.3	20.7
4 1	11 26.21	+13 37.9	1.909	2.840	8.9	20.9
4 11	11 20.23	+14 34.4	1.957	2.821	12.4	21.1
4 21	11 16.16	+15 10.4	2.027	2.802	15.4	21.2

500367 2012 TR_{37} 3 14.7 101°.88 6°.2/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.20	+21 52.9	2.411	3.264	10.1	21.0
2 21	11 56.62	+22 59.1	2.367	3.277	7.9	20.9
3 2	11 49.46	+23 58.8	2.349	3.291	6.4	20.8
3 12	11 41.42	+24 45.5	2.360	3.304	6.4	20.8
3 22	11 33.30	+25 14.4	2.398	3.317	7.8	21.0
4 1	11 25.89	+25 23.2	2.463	3.330	10.0	21.1
4 11	11 19.86	+25 11.9	2.550	3.342	12.1	21.3
4 21	11 15.63	+24 42.5	2.658	3.354	13.9	21.4

474029 2016 GV_{132} 3 14.7 2°.84 5°.5/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.73	+11 33.8	1.609	2.482	13.2	20.2
2 21	11 54.83	+13 31.2	1.549	2.482	9.6	20.0
3 2	11 48.75	+15 34.0	1.514	2.482	6.4	19.8
3 12	11 41.31	+17 30.6	1.507	2.482	5.7	19.7
3 22	11 33.54	+19 9.8	1.527	2.482	8.4	19.9
4 1	11 26.56	+20 23.4	1.573	2.483	12.0	20.1
4 11	11 21.33	+21 7.7	1.640	2.484	15.4	20.3
4 21	11 18.42	+21 23.5	1.726	2.485	18.3	20.5

496343 2013 QR_{2} 3 14.7 220°.64 3°.0/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.61	− 8 8.1	2.097	2.897	13.5	22.1
2 21	11 58.06	− 8 9.5	2.004	2.889	10.5	21.9
3 2	11 50.53	− 7 54.3	1.934	2.882	7.1	21.7
3 12	11 41.71	− 7 24.3	1.892	2.873	3.8	21.4
3 22	11 32.45	− 6 42.9	1.878	2.864	3.6	21.4
4 1	11 23.71	− 5 55.4	1.893	2.855	6.7	21.6
4 11	11 16.40	− 5 8.0	1.936	2.845	10.3	21.8
4 21	11 11.11	− 4 26.2	2.001	2.834	13.6	22.0

500627 2012 UO_{157} 3 14.7 88°.72 2°.1/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 1.86	− 5 33.7	2.307	3.116	12.1	21.1
2 21	11 56.46	− 5 36.5	2.233	3.126	9.2	20.9
3 2	11 49.44	− 5 26.4	2.183	3.137	5.9	20.7
3 12	11 41.45	− 5 5.7	2.161	3.147	2.8	20.6
3 22	11 33.23	− 4 37.8	2.169	3.157	2.8	20.6
4 1	11 25.62	− 4 6.9	2.205	3.167	5.9	20.8
4 11	11 19.30	− 3 37.7	2.269	3.177	9.1	21.0
4 21	11 14.76	− 3 14.0	2.357	3.187	11.9	21.2

170289 2003 RV_{14} 3 14.7 192°.28 1°.6/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.44	+ 4 10.6	2.002	2.844	12.4	20.6
2 21	11 58.61	+ 4 58.2	1.924	2.843	8.9	20.4
3 2	11 50.81	+ 5 54.9	1.871	2.841	5.1	20.2
3 12	11 41.76	+ 6 54.9	1.846	2.838	1.7	19.9
3 22	11 32.38	+ 7 51.5	1.851	2.834	4.1	20.1
4 1	11 23.65	+ 8 38.7	1.885	2.830	8.1	20.3
4 11	11 16.45	+ 9 12.0	1.945	2.824	11.8	20.5
4 21	11 11.35	+ 9 29.4	2.027	2.819	14.9	20.7

157810 1995 UD_{56} 3 14.7 249°.14 0°.9/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.35	− 2 23.9	2.020	2.848	12.8	21.4
2 21	11 56.42	− 2 2.3	1.932	2.840	9.6	21.1
3 2	11 49.58	− 1 27.1	1.869	2.832	5.8	20.9
3 12	11 41.50	− 0 41.9	1.833	2.824	1.8	20.6
3 22	11 33.04	+ 0 8.3	1.826	2.816	2.9	20.7
4 1	11 25.13	+ 0 57.4	1.848	2.807	7.0	20.9
4 11	11 18.65	+ 1 39.7	1.895	2.799	10.8	21.1
4 21	11 14.15	+ 2 11.2	1.966	2.790	14.1	21.3

267465 2002 EX_{117} 3 14.7 135°.59 0°.6/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.08	+ 2 10.8	2.049	2.888	12.3	21.0
2 21	11 57.51	+ 2 36.6	1.978	2.894	8.9	20.8
3 2	11 50.11	+ 3 11.6	1.931	2.900	5.1	20.6
3 12	11 41.60	+ 3 51.2	1.913	2.906	1.1	20.3
3 22	11 32.86	+ 4 30.2	1.925	2.912	3.3	20.5
4 1	11 24.80	+ 5 3.4	1.965	2.917	7.2	20.7
4 11	11 18.22	+ 5 26.7	2.031	2.922	10.8	20.9
4 21	11 13.63	+ 5 38.0	2.119	2.927	13.8	21.2

455619 2004 TB_{333} 3 14.7 104°.83 0°.9/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.74	+ 1 50.5	1.600	2.445	14.8	22.2
2 21	11 59.73	+ 2 31.6	1.543	2.463	10.7	22.0
3 2	11 51.47	+ 3 24.9	1.510	2.480	6.0	21.7
3 12	11 41.90	+ 4 23.5	1.504	2.497	1.3	21.5
3 22	11 32.16	+ 5 19.8	1.526	2.513	4.1	21.7
4 1	11 23.43	+ 6 7.0	1.576	2.529	8.6	22.0
4 11	11 16.66	+ 6 39.7	1.650	2.544	12.7	22.3
4 21	11 12.35	+ 6 56.0	1.746	2.559	16.1	22.5

171978 2001 TR_{135} 3 14.7 65°.61 4°.5/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.22	−13 55.9	2.152	2.928	14.0	20.0
2 21	11 55.37	−13 55.8	2.086	2.949	11.2	19.8
3 2	11 48.83	−13 35.7	2.042	2.969	8.1	19.7
3 12	11 41.32	−12 57.2	2.024	2.990	5.4	19.6
3 22	11 33.65	−12 4.0	2.034	3.010	4.6	19.5
4 1	11 26.65	−11 2.0	2.072	3.031	6.4	19.7
4 11	11 21.04	− 9 57.8	2.137	3.052	9.2	19.9
4 21	11 17.28	− 8 57.5	2.226	3.072	11.9	20.1

462153 2007 TB_{114} 3 14.7 190°.19 3°.5/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.77	−11 25.4	2.035	2.823	14.2	22.4
2 21	11 57.45	−10 59.9	1.945	2.822	11.2	22.2
3 2	11 50.18	−10 13.0	1.879	2.820	7.8	22.0
3 12	11 41.65	− 9 7.0	1.840	2.818	4.5	21.8
3 22	11 32.74	− 7 46.8	1.830	2.814	3.8	21.7
4 1	11 24.43	− 6 19.7	1.848	2.810	6.8	21.9
4 11	11 17.59	− 4 53.9	1.894	2.806	10.4	22.1
4 21	11 12.82	− 3 36.5	1.964	2.800	13.7	22.3

414155 2007 WO_{43} 3 14.7 204°.86 1°.6/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.32	− 5 30.6	2.121	2.932	12.9	23.0
2 21	11 57.79	− 4 57.2	2.030	2.927	9.8	22.8
3 2	11 50.36	− 4 7.2	1.963	2.920	6.2	22.6
3 12	11 41.69	− 3 4.3	1.924	2.913	2.4	22.3
3 22	11 32.63	− 1 53.7	1.915	2.904	2.9	22.3
4 1	11 24.11	− 0 42.2	1.935	2.895	6.7	22.5
4 11	11 16.99	+ 0 23.5	1.983	2.885	10.5	22.8
4 21	11 11.85	+ 1 18.3	2.055	2.874	13.7	22.9

299310 2005 QF_{63} 3 14.7 181°.57 0°.6/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.85	+ 2 14.0	2.824	3.657	9.4	21.6
2 21	11 54.08	+ 2 48.9	2.743	3.657	6.8	21.4
3 2	11 48.01	+ 3 30.9	2.689	3.657	3.9	21.2
3 12	11 41.15	+ 4 16.5	2.665	3.657	0.9	21.0
3 22	11 34.10	+ 5 1.6	2.671	3.657	2.6	21.1
4 1	11 27.48	+ 5 42.1	2.707	3.656	5.7	21.3
4 11	11 21.85	+ 6 14.6	2.770	3.655	8.5	21.5
4 21	11 17.63	+ 6 37.2	2.858	3.654	10.9	21.7

87888 2000 ST_{287} 3 14.7 238°.41 0°.9/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.12	− 1 7.5	2.142	2.965	12.4	19.6
2 21	11 59.11	− 1 7.8	2.049	2.954	9.3	19.3
3 2	11 51.15	− 0 57.4	1.981	2.943	5.6	19.1
3 12	11 41.88	− 0 39.2	1.941	2.932	1.7	18.8
3 22	11 32.18	− 0 16.9	1.930	2.920	2.9	18.9
4 1	11 23.01	+ 0 5.0	1.950	2.908	6.8	19.1
4 11	11 15.25	+ 0 22.3	1.996	2.895	10.6	19.3
4 21	11 9.50	+ 0 31.6	2.065	2.882	13.8	19.5

268117 2004 TW_{13} 3 14.7 175°.83 2°.9/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.73	− 7 58.4	2.039	2.845	13.6	20.9
2 21	11 56.66	− 7 52.4	1.956	2.845	10.5	20.7
3 2	11 49.70	− 7 29.3	1.897	2.846	7.0	20.5
3 12	11 41.56	− 6 51.3	1.864	2.846	3.7	20.3
3 22	11 33.07	− 6 2.7	1.860	2.847	3.4	20.3
4 1	11 25.20	− 5 9.3	1.884	2.847	6.6	20.4
4 11	11 18.76	− 4 17.3	1.935	2.847	10.2	20.7
4 21	11 14.31	− 3 32.3	2.009	2.846	13.3	20.9

435993 2009 FL_{11} 3 14.7 147°.17 0°.1/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.82	− 7 26.0	1.254	2.091	18.5	20.6
2 21	11 57.56	− 5 4.5	1.184	2.098	13.8	20.4
3 2	11 50.54	− 2 6.2	1.137	2.104	8.1	20.1
3 12	11 41.77	+ 1 16.2	1.117	2.109	1.8	19.7
3 22	11 32.57	+ 4 43.4	1.125	2.114	4.6	19.9
4 1	11 24.40	+ 7 55.0	1.162	2.118	10.6	20.2
4 11	11 18.48	+10 35.0	1.224	2.122	15.9	20.5
4 21	11 15.46	+12 36.6	1.306	2.125	20.1	20.8

207916 2008 VB_{51} 3 14.8 78°.85 0°.4/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.60	− 1 8.7	2.034	2.868	12.6	20.9
2 21	11 55.76	− 0 42.1	1.962	2.874	9.2	20.7
3 2	11 49.13	− 0 3.4	1.914	2.879	5.4	20.4
3 12	11 41.43	+ 0 43.2	1.893	2.885	1.4	20.2
3 22	11 33.48	+ 1 32.5	1.902	2.891	2.9	20.3
4 1	11 26.19	+ 2 18.7	1.939	2.897	6.8	20.6
4 11	11 20.31	+ 2 56.7	2.002	2.903	10.4	20.8
4 21	11 16.35	+ 3 23.2	2.088	2.909	13.5	21.0

90927 1997 SU_{4} 3 14.8 214°.96 0°.6/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.15	− 0 57.2	1.737	2.570	14.4	20.2
2 21	12 0.21	− 0 41.3	1.653	2.564	10.7	19.9
3 2	11 51.92	− 0 11.4	1.592	2.558	6.4	19.6
3 12	11 42.08	+ 0 28.2	1.559	2.551	1.7	19.3
3 22	11 31.75	+ 1 11.9	1.554	2.543	3.4	19.4
4 1	11 22.12	+ 1 53.1	1.577	2.535	8.1	19.7
4 11	11 14.26	+ 2 25.8	1.625	2.526	12.4	19.9
4 21	11 8.85	+ 2 46.1	1.695	2.517	16.1	20.1

13195 1997 CG_{6} 3 14.8 334°.30 7°.3/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.61	+14 58.1	1.125	2.009	16.8	16.4
2 21	12 0.00	+16 1.3	1.064	1.999	12.6	16.1
3 2	11 52.15	+17 4.8	1.023	1.991	8.7	15.8
3 12	11 42.15	+17 55.7	1.006	1.983	7.4	15.7
3 22	11 31.60	+18 23.0	1.012	1.975	10.3	15.9
4 1	11 22.25	+18 19.9	1.040	1.969	14.8	16.1
4 11	11 15.54	+17 45.7	1.087	1.963	19.2	16.3
4 21	11 12.19	+16 44.2	1.151	1.959	23.0	16.6

160718 2000 QP_{125} 3 14.8 99°.74 3°.3/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.20	− 7 52.2	1.573	2.389	16.5	19.5
2 21	11 59.50	− 7 48.9	1.508	2.403	12.7	19.2
3 2	11 51.44	− 7 24.6	1.464	2.417	8.4	19.0
3 12	11 41.95	− 6 42.1	1.447	2.430	4.3	18.8
3 22	11 32.17	− 5 47.3	1.456	2.444	4.0	18.8
4 1	11 23.35	− 4 47.8	1.493	2.457	7.9	19.1
4 11	11 16.49	− 3 51.9	1.554	2.470	12.0	19.3
4 21	11 12.17	− 3 5.7	1.638	2.482	15.5	19.6

154828 2004 RT_{8} 3 14.8 204°.29 1°.0/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.84	− 4 53.8	2.322	3.137	11.8	20.6
2 21	11 55.11	− 4 2.4	2.232	3.132	8.9	20.4
3 2	11 48.75	− 2 55.4	2.167	3.127	5.4	20.2
3 12	11 41.36	− 1 37.0	2.132	3.122	1.8	19.9
3 22	11 33.66	− 0 12.9	2.126	3.116	2.6	20.0
4 1	11 26.45	+ 1 10.2	2.150	3.109	6.2	20.2
4 11	11 20.46	+ 2 26.0	2.202	3.102	9.7	20.4
4 21	11 16.18	+ 3 29.7	2.278	3.095	12.7	20.6

415123 2012 DH_{27} 3 14.8 32°.42 1°.4/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.29	− 1 53.5	1.251	2.105	17.6	20.9
2 21	11 58.46	− 1 54.6	1.198	2.118	13.1	20.7
3 2	11 50.96	− 1 38.0	1.165	2.132	7.9	20.4
3 12	11 41.85	− 1 8.5	1.156	2.147	2.5	20.1
3 22	11 32.50	− 0 32.9	1.172	2.163	3.8	20.3
4 1	11 24.32	+ 0 1.0	1.214	2.180	9.0	20.6
4 11	11 18.43	+ 0 26.3	1.278	2.197	13.7	20.9
4 21	11 15.38	+ 0 38.8	1.362	2.215	17.6	21.2

468296 2015 EP_{13} 3 14.8 145°.32 2°.1/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 2.16	+ 6 33.0	2.125	2.974	11.5	21.6
2 21	11 56.81	+ 7 14.8	2.056	2.979	8.2	21.4
3 2	11 49.72	+ 8 2.3	2.013	2.983	4.7	21.2
3 12	11 41.56	+ 8 50.2	1.998	2.988	2.1	21.0
3 22	11 33.19	+ 9 32.8	2.012	2.992	4.3	21.2
4 1	11 25.47	+10 5.1	2.055	2.995	7.8	21.4
4 11	11 19.17	+10 24.0	2.123	2.999	11.1	21.6
4 21	11 14.77	+10 28.2	2.214	3.002	13.9	21.8

182744 2001 XF_{90} 3 14.8 189°.11 2°.0/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.90	+ 6 4.3	2.174	3.019	11.4	21.2
2 21	11 57.37	+ 6 51.6	2.097	3.018	8.2	21.0
3 2	11 50.07	+ 7 45.5	2.047	3.017	4.7	20.8
3 12	11 41.65	+ 8 40.5	2.026	3.015	2.0	20.6
3 22	11 32.96	+ 9 30.6	2.034	3.013	4.3	20.7
4 1	11 24.87	+10 10.6	2.071	3.010	7.8	20.9
4 11	11 18.17	+10 36.9	2.134	3.007	11.1	21.1
4 21	11 13.38	+10 48.0	2.219	3.003	14.0	21.3

425906 2011 FY_{120} 3 14.8 114°.14 1°.0/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.01	+ 3 56.7	2.009	2.851	12.3	20.9
2 21	11 58.21	+ 4 18.7	1.940	2.859	8.9	20.7
3 2	11 50.54	+ 4 48.3	1.898	2.867	5.0	20.5
3 12	11 41.75	+ 5 20.6	1.883	2.875	1.3	20.2
3 22	11 32.75	+ 5 50.7	1.897	2.883	3.6	20.4
4 1	11 24.49	+ 6 13.8	1.940	2.890	7.5	20.7
4 11	11 17.76	+ 6 26.5	2.009	2.898	11.0	20.9
4 21	11 13.07	+ 6 26.9	2.100	2.905	14.0	21.1

269319 2008 SS_{172} 3 14.8 53°.65 5°.1/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.52	+15 35.8	1.718	2.574	13.4	20.2
2 21	12 2.05	+16 8.8	1.689	2.611	9.8	20.1
3 2	11 52.57	+16 37.8	1.685	2.647	6.5	19.9
3 12	11 42.14	+16 55.7	1.709	2.684	5.1	19.9
3 22	11 31.92	+16 58.0	1.761	2.721	7.0	20.1
4 1	11 22.97	+16 42.7	1.840	2.757	10.1	20.4
4 11	11 16.06	+16 10.6	1.943	2.794	13.0	20.6
4 21	11 11.57	+15 23.9	2.066	2.830	15.5	20.9

40839 1999 TH_{96} 3 14.8 92°.51 2°.5/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.30	+ 6 49.0	1.934	2.788	12.2	19.1
2 21	11 56.31	+ 7 43.1	1.871	2.796	8.7	18.9
3 2	11 49.47	+ 8 43.6	1.833	2.804	5.0	18.7
3 12	11 41.52	+ 9 43.9	1.824	2.812	2.5	18.5
3 22	11 33.36	+10 37.3	1.843	2.820	4.8	18.7
4 1	11 25.94	+11 18.2	1.889	2.828	8.5	18.9
4 11	11 20.05	+11 43.1	1.961	2.836	11.9	19.1
4 21	11 16.17	+11 50.8	2.053	2.844	14.8	19.4

433755 2015 AS_{280} 3 14.8 124°.89 1°.4/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.66	+ 3 33.8	2.131	2.975	11.6	21.1
2 21	11 55.71	+ 4 26.2	2.063	2.984	8.3	20.9
3 2	11 49.08	+ 5 27.3	2.022	2.992	4.7	20.7
3 12	11 41.44	+ 6 31.4	2.009	3.000	1.5	20.5
3 22	11 33.59	+ 7 32.2	2.025	3.008	3.8	20.7
4 1	11 26.40	+ 8 24.1	2.070	3.016	7.4	20.9
4 11	11 20.57	+ 9 2.8	2.141	3.023	10.7	21.1
4 21	11 16.58	+ 9 26.4	2.235	3.030	13.5	21.3

371041 2005 UL_{161} 3 14.8 232°.36 4°.0/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.30	−13 11.0	2.282	3.056	13.3	22.3
2 21	11 56.34	−12 54.1	2.178	3.042	10.7	22.1
3 2	11 49.56	−12 16.8	2.097	3.028	7.7	21.9
3 12	11 41.58	−11 20.4	2.043	3.014	4.9	21.7
3 22	11 33.15	−10 8.5	2.018	2.998	4.1	21.6
4 1	11 25.16	− 8 47.0	2.022	2.982	6.4	21.7
4 11	11 18.44	− 7 23.3	2.054	2.965	9.7	21.9
4 21	11 13.55	− 6 4.4	2.110	2.948	12.8	22.0

226057 2002 GG_{138} 3 14.8 32°.22 4°.0/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.44	+11 26.6	1.662	2.524	13.4	19.7
2 21	11 58.83	+12 1.2	1.602	2.530	9.7	19.5
3 2	11 51.01	+12 37.5	1.567	2.536	6.0	19.3
3 12	11 41.87	+13 8.3	1.558	2.542	4.0	19.2
3 22	11 32.51	+13 27.3	1.577	2.549	6.3	19.3
4 1	11 24.10	+13 30.2	1.622	2.556	10.0	19.5
4 11	11 17.55	+13 15.2	1.691	2.563	13.6	19.8
4 21	11 13.41	+12 43.3	1.780	2.571	16.7	20.0

212333 2005 SF_{191} 3 14.8 263°.51 2°.2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.04	−10 31.6	2.629	3.417	11.4	20.3
2 21	11 53.01	− 9 34.6	2.521	3.400	8.9	20.1
3 2	11 47.53	− 8 18.9	2.438	3.383	6.0	19.9
3 12	11 41.12	− 6 47.4	2.384	3.366	3.1	19.6
3 22	11 34.38	− 5 5.1	2.360	3.348	2.7	19.6
4 1	11 28.01	− 3 18.5	2.368	3.330	5.5	19.7
4 11	11 22.65	− 1 34.8	2.404	3.312	8.6	19.9
4 21	11 18.79	+ 0 0.0	2.466	3.294	11.5	20.1

290704 2005 UA_{392} 3 14.8 272°.23 0°.5/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 2.80	− 0 15.6	1.421	2.272	16.0	21.5
2 21	11 58.32	+ 0 32.4	1.332	2.254	11.8	21.2
3 2	11 51.11	+ 1 40.0	1.266	2.236	6.9	20.9
3 12	11 41.97	+ 3 0.8	1.225	2.218	1.4	20.5
3 22	11 32.09	+ 4 25.4	1.211	2.199	4.4	20.6
4 1	11 22.89	+ 5 43.2	1.222	2.180	10.0	20.9
4 11	11 15.66	+ 6 45.0	1.257	2.161	15.1	21.1
4 21	11 11.25	+ 7 25.6	1.311	2.142	19.5	21.3

293532 2007 GW_{64} 3 14.8 254°.81 1°.9/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.36	− 4 41.1	1.471	2.306	16.4	21.5
2 21	11 58.55	− 4 21.0	1.389	2.298	12.5	21.3
3 2	11 51.13	− 3 40.0	1.328	2.290	7.8	21.0
3 12	11 41.95	− 2 42.0	1.293	2.282	3.0	20.7
3 22	11 32.19	− 1 34.0	1.284	2.274	3.7	20.7
4 1	11 23.19	− 0 25.1	1.301	2.266	8.7	20.9
4 11	11 16.16	+ 0 35.8	1.343	2.257	13.5	21.2
4 21	11 11.84	+ 1 22.1	1.405	2.249	17.7	21.4

264621 2001 VM_{38} 3 14.8 110°.27 0°.2/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.54	− 0 41.6	2.032	2.862	12.7	21.8
2 21	11 57.79	− 0 9.3	1.970	2.881	9.3	21.6
3 2	11 50.26	+ 0 34.7	1.933	2.899	5.4	21.4
3 12	11 41.70	+ 1 25.5	1.924	2.916	1.3	21.1
3 22	11 32.99	+ 2 17.7	1.944	2.933	2.9	21.3
4 1	11 25.04	+ 3 5.4	1.994	2.950	6.9	21.6
4 11	11 18.61	+ 3 43.9	2.070	2.966	10.4	21.8
4 21	11 14.16	+ 4 10.2	2.169	2.982	13.4	22.0

164530 2006 HO_{89} 3 14.8 213°.02 4°.5/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.51	+13 23.5	1.819	2.671	13.0	20.2
2 21	12 2.54	+14 1.1	1.745	2.666	9.6	20.0
3 2	11 53.21	+14 38.9	1.695	2.660	6.2	19.7
3 12	11 42.38	+15 9.5	1.673	2.653	4.6	19.6
3 22	11 31.18	+15 26.6	1.680	2.645	6.8	19.7
4 1	11 20.82	+15 25.8	1.715	2.637	10.4	19.9
4 11	11 12.34	+15 6.1	1.774	2.629	13.9	20.1
4 21	11 6.34	+14 28.5	1.854	2.620	17.0	20.3

332196 2006 DX_{78} 3 14.8 132°.36 0°.9/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.35	− 2 20.1	2.111	2.936	12.5	21.5
2 21	11 56.99	− 2 3.4	2.036	2.942	9.3	21.3
3 2	11 49.85	− 1 34.4	1.986	2.948	5.6	21.1
3 12	11 41.63	− 0 56.5	1.964	2.954	1.8	20.8
3 22	11 33.17	− 0 14.6	1.970	2.960	2.7	20.9
4 1	11 25.34	+ 0 26.3	2.006	2.966	6.6	21.2
4 11	11 18.92	+ 1 1.0	2.069	2.971	10.1	21.4
4 21	11 14.42	+ 1 26.1	2.154	2.976	13.1	21.6

83078 2001 QS_{221} 3 14.8 113°.07 3°.5/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.37	+12 18.7	2.572	3.425	9.6	19.7
2 21	11 55.22	+13 27.5	2.521	3.443	6.9	19.5
3 2	11 48.68	+14 37.0	2.497	3.462	4.5	19.4
3 12	11 41.35	+15 41.3	2.503	3.479	3.6	19.3
3 22	11 33.93	+16 35.2	2.539	3.496	5.3	19.5
4 1	11 27.10	+17 14.9	2.603	3.513	7.8	19.7
4 11	11 21.46	+17 38.5	2.693	3.530	10.3	19.8
4 21	11 17.40	+17 46.0	2.805	3.546	12.4	20.0

26966 1997 RL_{3} 3 14.8 194°.96 1°.1/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.55	− 2 27.7	2.120	2.940	12.6	19.0
2 21	11 58.66	− 2 17.8	2.035	2.938	9.4	18.8
3 2	11 50.88	− 1 55.5	1.975	2.936	5.8	18.6
3 12	11 41.87	− 1 24.1	1.942	2.933	1.9	18.3
3 22	11 32.52	− 0 47.7	1.940	2.929	2.8	18.4
4 1	11 23.76	− 0 11.5	1.967	2.925	6.7	18.6
4 11	11 16.43	+ 0 19.6	2.020	2.921	10.4	18.8
4 21	11 11.10	+ 0 41.9	2.097	2.916	13.5	19.0

133757 2003 WC_{43} 3 14.8 231°.55 7°.3/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.11	+24 15.0	2.297	3.148	10.7	19.7
2 21	11 57.59	+25 35.0	2.235	3.139	8.6	19.5
3 2	11 50.22	+26 47.9	2.199	3.131	7.4	19.4
3 12	11 41.72	+27 45.9	2.191	3.121	7.6	19.4
3 22	11 32.94	+28 23.1	2.209	3.112	9.2	19.5
4 1	11 24.81	+28 36.2	2.253	3.102	11.4	19.6
4 11	11 18.12	+28 25.2	2.319	3.092	13.7	19.8
4 21	11 13.42	+27 52.4	2.403	3.082	15.7	19.9

496683 2016 CB_{246} 3 14.8 153°.33 6°.2/ 8.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.84	+19 35.4	2.097	2.954	11.3	20.9
2 21	11 58.10	+20 42.7	2.041	2.957	8.7	20.7
3 2	11 50.49	+21 45.3	2.011	2.961	6.7	20.6
3 12	11 41.77	+22 35.4	2.009	2.964	6.4	20.6
3 22	11 32.86	+23 7.2	2.034	2.967	8.2	20.7
4 1	11 24.72	+23 17.4	2.085	2.969	10.7	20.8
4 11	11 18.15	+23 5.5	2.160	2.972	13.3	21.0
4 21	11 13.64	+22 33.7	2.254	2.974	15.6	21.2

12720 1991 NU_{3} 3 14.8 142°.54 3°.0/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.57	− 8 24.7	1.969	2.770	14.2	18.2
2 21	11 58.73	− 8 15.5	1.894	2.781	11.0	18.0
3 2	11 50.91	− 7 48.2	1.843	2.791	7.3	17.8
3 12	11 41.88	− 7 5.4	1.818	2.800	3.8	17.6
3 22	11 32.57	− 6 11.6	1.822	2.809	3.5	17.6
4 1	11 23.99	− 5 13.3	1.855	2.817	6.8	17.8
4 11	11 16.98	− 4 17.2	1.915	2.825	10.4	18.0
4 21	11 12.10	− 3 28.7	1.998	2.832	13.6	18.2

15400 1997 VZ 3 14.8 86°.19 2°.7/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.47	+ 8 56.1	2.180	3.031	11.1	18.2
2 21	11 56.90	+ 9 38.8	2.126	3.050	8.0	18.0
3 2	11 49.70	+10 24.5	2.099	3.068	4.7	17.8
3 12	11 41.59	+11 7.8	2.100	3.086	2.7	17.7
3 22	11 33.38	+11 43.3	2.130	3.104	4.7	17.9
4 1	11 25.91	+12 7.0	2.189	3.122	7.8	18.1
4 11	11 19.87	+12 16.7	2.273	3.140	10.8	18.3
4 21	11 15.67	+12 12.1	2.380	3.157	13.3	18.6

402490 2006 CH_{47} 3 14.8 245°.78 4°.8/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.11	+ 9 35.5	1.524	2.393	14.1	21.7
2 21	11 57.52	+11 13.7	1.454	2.385	10.2	21.5
3 2	11 50.48	+13 0.5	1.408	2.378	6.4	21.2
3 12	11 41.82	+14 44.9	1.388	2.370	4.9	21.1
3 22	11 32.69	+16 15.5	1.396	2.361	7.8	21.2
4 1	11 24.36	+17 23.1	1.429	2.353	11.9	21.5
4 11	11 17.93	+18 3.2	1.485	2.344	15.9	21.7
4 21	11 14.08	+18 15.4	1.558	2.335	19.2	21.9

500451 2012 TG_{199} 3 14.8 133°.92 1°.5/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.78	− 5 16.4	2.572	3.381	11.0	22.6
2 21	11 54.86	− 4 53.2	2.495	3.390	8.3	22.4
3 2	11 48.53	− 4 17.7	2.443	3.399	5.2	22.2
3 12	11 41.35	− 3 32.6	2.420	3.408	2.2	22.0
3 22	11 33.98	− 2 42.1	2.427	3.416	2.4	22.1
4 1	11 27.13	− 1 50.9	2.464	3.425	5.4	22.3
4 11	11 21.39	− 1 3.5	2.528	3.432	8.4	22.5
4 21	11 17.21	− 0 23.7	2.617	3.440	11.0	22.7

420608 2012 HM_{53} 3 14.8 14°.55 7°.6/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.90	+16 10.2	1.325	2.208	14.8	20.2
2 21	11 56.04	+17 50.8	1.278	2.211	11.1	19.9
3 2	11 49.60	+19 29.7	1.253	2.215	8.2	19.8
3 12	11 41.61	+20 54.3	1.253	2.220	7.9	19.8
3 22	11 33.35	+21 53.8	1.278	2.226	10.4	19.9
4 1	11 26.17	+22 22.1	1.325	2.232	14.0	20.2
4 11	11 21.13	+22 18.5	1.392	2.240	17.4	20.4
4 21	11 18.78	+21 46.4	1.476	2.248	20.4	20.6

213771 Johndee 3 14.8 13°.63 0°.4/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.39	+ 0 51.6	1.839	2.687	13.0	20.1
2 21	11 54.33	+ 1 25.7	1.770	2.691	9.5	19.9
3 2	11 48.41	+ 2 11.7	1.725	2.695	5.4	19.7
3 12	11 41.34	+ 3 4.3	1.706	2.699	1.1	19.4
3 22	11 34.01	+ 3 57.3	1.716	2.704	3.4	19.6
4 1	11 27.37	+ 4 44.4	1.753	2.710	7.5	19.8
4 11	11 22.23	+ 5 20.3	1.814	2.716	11.3	20.1
4 21	11 19.09	+ 5 42.0	1.898	2.723	14.5	20.3

20322 1998 HZ_{20} 3 14.8 155°.32 2°.3/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.16	+ 6 25.3	2.021	2.867	12.1	19.2
2 21	11 59.06	+ 7 17.8	1.955	2.876	8.7	19.0
3 2	11 51.06	+ 8 16.7	1.914	2.884	5.0	18.8
3 12	11 41.92	+ 9 15.8	1.902	2.891	2.3	18.7
3 22	11 32.56	+10 8.6	1.920	2.898	4.6	18.8
4 1	11 23.94	+10 49.6	1.966	2.904	8.3	19.1
4 11	11 16.89	+11 15.2	2.038	2.909	11.7	19.3
4 21	11 11.92	+11 24.5	2.132	2.913	14.6	19.5

68558 2001 XX_{113} 3 14.8 338°.42 7°.9/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.57	+17 6.5	1.463	2.345	13.7	18.0
2 21	11 54.32	+19 6.2	1.402	2.334	10.5	17.7
3 2	11 48.66	+21 6.2	1.366	2.324	8.2	17.6
3 12	11 41.43	+22 53.2	1.355	2.315	8.4	17.6
3 22	11 33.77	+24 15.6	1.370	2.307	10.9	17.7
4 1	11 26.94	+25 5.9	1.407	2.299	14.4	17.9
4 11	11 22.02	+25 21.9	1.464	2.293	17.7	18.1
4 21	11 19.63	+25 6.2	1.537	2.287	20.6	18.2

496159 2010 VG_{189} 3 14.8 108°.55 1°.6/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.26	− 4 49.4	1.892	2.712	13.9	22.4
2 21	11 57.75	− 4 23.2	1.827	2.728	10.4	22.3
3 2	11 50.32	− 3 40.9	1.785	2.744	6.5	22.0
3 12	11 41.76	− 2 46.6	1.771	2.760	2.5	21.8
3 22	11 33.00	− 1 46.2	1.785	2.775	3.0	21.9
4 1	11 25.02	− 0 46.5	1.828	2.790	6.9	22.2
4 11	11 18.66	+ 0 6.2	1.897	2.804	10.6	22.4
4 21	11 14.39	+ 0 47.7	1.990	2.818	13.8	22.6

169159 2001 QQ_{191} 3 14.8 136°.42 5°.9/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 0.08	−20 35.0	2.604	3.327	13.1	20.1
2 21	11 55.20	−20 45.3	2.518	3.335	11.0	19.9
3 2	11 48.79	−20 35.1	2.454	3.342	8.8	19.8
3 12	11 41.43	−20 4.5	2.415	3.349	6.8	19.6
3 22	11 33.81	−19 15.6	2.404	3.356	5.9	19.6
4 1	11 26.69	−18 12.6	2.420	3.363	6.7	19.7
4 11	11 20.74	−17 1.5	2.464	3.369	8.6	19.8
4 21	11 16.44	−15 48.7	2.533	3.376	10.8	19.9

178191 2006 UX_{203} 3 14.8 166°.44 1°.2/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.98	− 2 46.2	2.586	3.400	10.8	20.6
2 21	11 56.48	− 2 44.6	2.503	3.402	8.1	20.4
3 2	11 49.49	− 2 33.0	2.445	3.404	5.0	20.2
3 12	11 41.58	− 2 14.0	2.417	3.406	1.9	20.0
3 22	11 33.43	− 1 50.5	2.418	3.408	2.4	20.0
4 1	11 25.77	− 1 26.4	2.450	3.409	5.6	20.3
4 11	11 19.26	− 1 5.2	2.509	3.410	8.6	20.5
4 21	11 14.34	− 0 50.1	2.593	3.411	11.3	20.6

332135 2005 WD_{108} 3 14.8 92°.30 7°.3/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.21	+20 24.7	1.807	2.669	12.5	20.4
2 21	11 58.61	+21 42.5	1.757	2.675	9.7	20.2
3 2	11 50.87	+22 54.0	1.733	2.681	7.7	20.1
3 12	11 41.89	+23 50.2	1.735	2.688	7.5	20.1
3 22	11 32.73	+24 24.1	1.764	2.694	9.4	20.2
4 1	11 24.50	+24 32.3	1.817	2.700	12.2	20.4
4 11	11 18.08	+24 15.1	1.893	2.706	14.9	20.6
4 21	11 13.98	+23 35.4	1.987	2.712	17.2	20.8

118097 2148 $T\text{-}_3$ 3 14.8 15°.11 1°.2/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.85	− 2 27.9	1.832	2.666	13.7	19.3
2 21	11 56.17	− 2 17.9	1.758	2.668	10.2	19.1
3 2	11 49.51	− 1 54.0	1.707	2.671	6.2	18.9
3 12	11 41.61	− 1 19.8	1.683	2.673	2.1	18.6
3 22	11 33.40	− 0 40.4	1.686	2.677	3.0	18.7
4 1	11 25.88	− 0 1.6	1.718	2.680	7.2	18.9
4 11	11 19.93	+ 0 30.9	1.774	2.684	11.0	19.2
4 21	11 16.09	+ 0 53.2	1.853	2.688	14.4	19.4

207671 2007 PJ_{20} 3 14.8 256°.22 1°.2/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.97	− 3 16.1	1.649	2.481	15.1	21.1
2 21	11 58.87	− 2 54.0	1.556	2.465	11.4	20.8
3 2	11 51.32	− 2 13.8	1.486	2.449	7.0	20.5
3 12	11 42.06	− 1 19.6	1.442	2.433	2.3	20.2
3 22	11 32.15	− 0 17.4	1.426	2.416	3.5	20.2
4 1	11 22.85	+ 0 44.8	1.437	2.399	8.4	20.5
4 11	11 15.30	+ 1 38.9	1.473	2.381	13.0	20.7
4 21	11 10.26	+ 2 19.5	1.531	2.363	17.0	20.9

39258 2000 YZ_{134} 3 14.8 176°.30 5°.5/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.54	−17 34.4	2.421	3.164	13.5	19.4
2 21	11 57.11	−17 46.3	2.330	3.166	11.2	19.2
3 2	11 49.96	−17 38.2	2.262	3.168	8.6	19.1
3 12	11 41.71	−17 10.1	2.220	3.169	6.4	18.9
3 22	11 33.12	−16 24.1	2.206	3.169	5.5	18.9
4 1	11 25.05	−15 24.8	2.220	3.169	6.7	18.9
4 11	11 18.24	−14 18.5	2.262	3.169	9.1	19.1
4 21	11 13.24	−13 11.8	2.329	3.168	11.7	19.3

60272 1999 XT_{64} 3 14.8 158°.49 1°.7/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.69	+ 3 40.1	1.707	2.552	14.0	20.4
2 21	12 0.48	+ 4 32.4	1.640	2.560	10.1	20.2
3 2	11 52.02	+ 5 35.4	1.597	2.567	5.7	19.9
3 12	11 42.16	+ 6 42.1	1.582	2.573	1.8	19.7
3 22	11 32.01	+ 7 44.6	1.596	2.579	4.6	19.9
4 1	11 22.74	+ 8 35.7	1.637	2.584	9.0	20.1
4 11	11 15.33	+ 9 10.5	1.704	2.587	12.9	20.4
4 21	11 10.34	+ 9 27.3	1.792	2.590	16.3	20.6

303471 2005 CY_{62} 3 14.8 61°.68 1°.5/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.98	+ 3 33.0	1.367	2.226	16.0	20.6
2 21	11 59.50	+ 4 9.0	1.315	2.242	11.5	20.4
3 2	11 51.51	+ 4 56.3	1.286	2.258	6.5	20.1
3 12	11 42.04	+ 5 47.5	1.282	2.275	1.8	19.8
3 22	11 32.41	+ 6 34.3	1.305	2.291	4.8	20.1
4 1	11 23.93	+ 7 9.4	1.354	2.308	9.6	20.4
4 11	11 17.64	+ 7 28.3	1.426	2.325	14.0	20.7
4 21	11 14.06	+ 7 29.4	1.518	2.342	17.5	21.0

499014 2009 CP_{51} 3 14.8 34°.29 0°.4/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.12	+ 0 28.7	1.820	2.659	13.5	20.4
2 21	11 57.73	+ 0 27.2	1.755	2.670	9.9	20.2
3 2	11 50.35	+ 0 36.2	1.714	2.681	5.8	20.0
3 12	11 41.79	+ 0 52.1	1.701	2.693	1.5	19.7
3 22	11 33.02	+ 1 10.3	1.715	2.705	3.1	19.8
4 1	11 25.04	+ 1 26.2	1.757	2.717	7.3	20.1
4 11	11 18.72	+ 1 35.6	1.825	2.730	11.1	20.4
4 21	11 14.56	+ 1 35.7	1.915	2.744	14.3	20.6

24289 Anthonypalma 3 14.8 236°.60 1°.1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.71	+ 3 10.1	1.812	2.656	13.4	18.8
2 21	11 59.11	+ 3 38.8	1.728	2.647	9.8	18.5
3 2	11 51.30	+ 4 17.7	1.668	2.638	5.6	18.3
3 12	11 42.04	+ 5 1.6	1.636	2.629	1.4	18.0
3 22	11 32.31	+ 5 44.2	1.633	2.619	4.0	18.1
4 1	11 23.25	+ 6 19.4	1.657	2.608	8.4	18.4
4 11	11 15.85	+ 6 42.2	1.707	2.598	12.5	18.6
4 21	11 10.75	+ 6 50.3	1.778	2.587	16.0	18.8

506024 2015 HL_{103} 3 14.8 206°.89 7°.6/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.15	+28 44.1	2.586	3.425	10.0	21.5
2 21	11 57.43	+29 54.3	2.534	3.422	8.5	21.4
3 2	11 50.07	+30 54.3	2.508	3.419	7.6	21.3
3 12	11 41.72	+31 37.5	2.509	3.416	8.0	21.3
3 22	11 33.20	+31 59.5	2.537	3.412	9.3	21.4
4 1	11 25.33	+31 58.4	2.589	3.409	11.0	21.5
4 11	11 18.83	+31 34.7	2.664	3.405	12.9	21.6
4 21	11 14.17	+30 51.2	2.756	3.401	14.5	21.8

262849 2007 BC_{19} 3 14.8 54°.09 2°.4/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.22	+ 4 27.1	1.494	2.356	14.7	20.3
2 21	11 56.60	+ 5 34.4	1.444	2.373	10.5	20.0
3 2	11 49.77	+ 6 52.2	1.418	2.390	5.9	19.8
3 12	11 41.66	+ 8 11.6	1.418	2.408	2.4	19.6
3 22	11 33.40	+ 9 23.3	1.445	2.426	5.2	19.9
4 1	11 26.14	+10 19.6	1.498	2.445	9.6	20.1
4 11	11 20.78	+10 56.0	1.575	2.463	13.5	20.4
4 21	11 17.81	+11 11.2	1.671	2.482	16.8	20.7

217850 2001 PC_{60} 3 14.8 226°.14 2°.2/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.15	+ 6 11.9	2.068	2.915	11.8	21.3
2 21	11 57.75	+ 7 3.2	1.983	2.906	8.5	21.1
3 2	11 50.42	+ 8 2.1	1.925	2.895	4.9	20.8
3 12	11 41.83	+ 9 2.6	1.895	2.884	2.2	20.6
3 22	11 32.86	+ 9 58.1	1.894	2.873	4.6	20.8
4 1	11 24.46	+10 42.8	1.922	2.861	8.4	21.0
4 11	11 17.49	+11 12.5	1.975	2.848	11.9	21.2
4 21	11 12.53	+11 25.4	2.050	2.835	15.0	21.4

101011 1998 QS_{49} 3 14.8 189°.90 1°.4/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.84	+ 3 47.5	2.095	2.935	12.0	20.4
2 21	11 58.15	+ 4 31.1	2.016	2.934	8.7	20.2
3 2	11 50.59	+ 5 23.6	1.963	2.933	4.9	19.9
3 12	11 41.86	+ 6 19.5	1.939	2.930	1.5	19.7
3 22	11 32.82	+ 7 12.7	1.944	2.928	3.8	19.8
4 1	11 24.39	+ 7 57.6	1.978	2.924	7.7	20.1
4 11	11 17.42	+ 8 29.9	2.039	2.920	11.2	20.3
4 21	11 12.43	+ 8 47.4	2.122	2.915	14.2	20.5

83025 2001 QJ_{179} 3 14.8 122°.32 5°.4/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.88	+19 35.0	2.438	3.291	10.1	19.0
2 21	11 57.17	+20 28.5	2.384	3.298	7.7	18.8
3 2	11 49.88	+21 17.4	2.356	3.306	5.8	18.7
3 12	11 41.68	+21 55.4	2.357	3.313	5.6	18.7
3 22	11 33.35	+22 18.2	2.386	3.320	7.1	18.8
4 1	11 25.70	+22 23.1	2.443	3.327	9.4	19.0
4 11	11 19.40	+22 9.6	2.523	3.334	11.7	19.1
4 21	11 14.88	+21 39.3	2.624	3.341	13.7	19.3

26797 1978 VS_8 3 14.8 66°.24 0°.2/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.71	− 1 10.9	1.625	2.468	14.7	18.6
2 21	11 56.98	− 0 34.5	1.556	2.473	10.8	18.4
3 2	11 50.05	+ 0 17.6	1.510	2.478	6.3	18.2
3 12	11 41.75	+ 1 19.6	1.490	2.483	1.5	17.8
3 22	11 33.13	+ 2 24.3	1.498	2.488	3.5	18.0
4 1	11 25.33	+ 3 23.8	1.534	2.493	8.2	18.3
4 11	11 19.31	+ 4 11.4	1.593	2.499	12.4	18.5
4 21	11 15.62	+ 4 43.4	1.674	2.504	15.9	18.8

62019 2000 RQ_{44} 3 14.8 72°.63 4°.0/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.48	−13 23.2	2.339	3.116	12.9	19.0
2 21	11 54.13	−13 14.2	2.259	3.123	10.4	18.8
3 2	11 48.21	−12 46.4	2.201	3.131	7.5	18.6
3 12	11 41.33	−12 1.5	2.170	3.138	4.9	18.5
3 22	11 34.21	−11 3.0	2.167	3.146	4.1	18.4
4 1	11 27.63	− 9 56.4	2.192	3.153	6.0	18.6
4 11	11 22.27	− 8 48.1	2.245	3.161	8.8	18.8
4 21	11 18.60	− 7 43.8	2.323	3.168	11.5	18.9

171873 2001 QF_{197} 3 14.8 95°.95 7°.2/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.99	−24 9.6	2.617	3.307	13.8	20.2
2 21	11 58.03	−24 51.6	2.544	3.328	11.9	20.1
3 2	11 50.43	−25 12.3	2.492	3.349	9.9	19.9
3 12	11 41.82	−25 10.8	2.464	3.370	8.1	19.9
3 22	11 32.96	−24 47.9	2.463	3.390	7.3	19.8
4 1	11 24.68	−24 7.2	2.489	3.410	7.7	19.9
4 11	11 17.70	−23 14.2	2.542	3.429	9.1	20.0
4 21	11 12.50	−22 15.2	2.619	3.448	10.9	20.2

297379 2000 OR_{40} 3 14.8 138°.82 3°.4/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.85	−10 18.6	1.944	2.737	14.6	20.7
2 21	11 58.95	−10 1.8	1.871	2.751	11.4	20.5
3 2	11 51.06	− 9 24.7	1.821	2.764	7.8	20.3
3 12	11 41.96	− 8 30.0	1.797	2.776	4.4	20.1
3 22	11 32.61	− 7 22.8	1.803	2.788	3.8	20.1
4 1	11 24.01	− 6 10.2	1.837	2.799	6.8	20.3
4 11	11 17.04	− 4 59.7	1.898	2.809	10.4	20.5
4 21	11 12.22	− 3 57.5	1.983	2.818	13.6	20.7

56392 2000 ET_{106} 3 14.8 302°.08 0°.2/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.75	+ 1 21.4	1.303	2.160	16.8	18.8
2 21	11 59.95	+ 1 30.7	1.219	2.144	12.5	18.5
3 2	11 52.18	+ 1 54.6	1.157	2.128	7.3	18.2
3 12	11 42.30	+ 2 28.2	1.120	2.112	1.6	17.8
3 22	11 31.63	+ 3 4.3	1.108	2.097	4.4	17.9
4 1	11 21.77	+ 3 34.8	1.120	2.082	10.2	18.2
4 11	11 14.11	+ 3 53.0	1.156	2.067	15.5	18.4
4 21	11 9.52	+ 3 54.8	1.210	2.053	20.0	18.7

221175 2005 UR_{7} 3 14.8 329°.68 8°.3/22.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.96	−19 34.3	1.524	2.297	18.9	19.1
2 21	11 54.72	−19 57.0	1.435	2.286	16.0	18.8
3 2	11 49.01	−19 48.1	1.364	2.274	12.8	18.6
3 12	11 41.58	−19 5.4	1.314	2.264	9.7	18.4
3 22	11 33.51	−17 51.2	1.288	2.254	8.3	18.3
4 1	11 26.10	−16 12.9	1.286	2.244	9.6	18.3
4 11	11 20.54	−14 22.1	1.309	2.236	12.8	18.5
4 21	11 17.58	−12 31.5	1.352	2.228	16.4	18.7

408201 2013 EZ_{33} 3 14.8 0°.42 5°.5/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.72	−10 19.6	1.138	1.974	20.1	20.3
2 21	11 56.40	−10 39.8	1.069	1.972	16.0	20.0
3 2	11 50.11	−10 30.8	1.019	1.970	11.3	19.7
3 12	11 41.82	− 9 53.3	0.990	1.970	6.8	19.5
3 22	11 32.94	− 8 52.9	0.984	1.971	5.8	19.4
4 1	11 25.05	− 7 39.8	1.002	1.973	9.7	19.6
4 11	11 19.52	− 6 26.3	1.041	1.975	14.5	19.9
4 21	11 17.12	− 5 22.9	1.099	1.979	18.9	20.2

154694 2004 HW_{48} 3 14.8 303°.86 1°.2/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.60	− 1 25.8	1.260	2.112	17.6	20.0
2 21	11 59.91	− 1 26.3	1.178	2.098	13.2	19.7
3 2	11 52.18	− 1 9.1	1.117	2.085	8.1	19.4
3 12	11 42.31	− 0 38.0	1.080	2.072	2.5	19.0
3 22	11 31.64	+ 0 0.6	1.068	2.059	4.1	19.1
4 1	11 21.80	+ 0 38.3	1.081	2.046	9.9	19.4
4 11	11 14.24	+ 1 7.1	1.116	2.034	15.3	19.6
4 21	11 9.82	+ 1 21.5	1.170	2.023	19.9	19.9

93972 2000 XF_{7} 3 14.8 41°.88 5°.2/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.30	+13 55.2	1.446	2.315	14.7	18.0
2 21	12 0.25	+14 33.7	1.407	2.336	10.7	17.9
3 2	11 51.82	+15 10.4	1.390	2.357	6.9	17.7
3 12	11 42.12	+15 36.9	1.400	2.379	5.3	17.6
3 22	11 32.42	+15 47.0	1.435	2.402	7.5	17.8
4 1	11 23.98	+15 37.3	1.496	2.425	11.1	18.1
4 11	11 17.72	+15 8.0	1.580	2.448	14.6	18.4
4 21	11 14.10	+14 21.3	1.683	2.472	17.5	18.6

464323 2016 AR_{108} 3 14.8 116°.58 0°.1/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.27	+ 0 33.6	1.779	2.611	14.1	21.9
2 21	12 1.45	+ 0 49.3	1.718	2.630	10.3	21.7
3 2	11 52.49	+ 1 16.2	1.681	2.648	6.0	21.5
3 12	11 42.28	+ 1 49.8	1.672	2.665	1.3	21.2
3 22	11 31.91	+ 2 24.4	1.693	2.681	3.3	21.4
4 1	11 22.49	+ 2 54.6	1.741	2.697	7.7	21.7
4 11	11 14.91	+ 3 15.7	1.816	2.712	11.6	22.0
4 21	11 9.70	+ 3 25.1	1.913	2.727	14.8	22.2

291535 2006 EJ_{36} 3 14.8 233°.06 1°.6/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.22	+ 4 57.9	2.035	2.882	12.0	21.1
2 21	11 57.04	+ 5 32.2	1.957	2.879	8.7	20.8
3 2	11 49.98	+ 6 14.0	1.905	2.875	4.9	20.6
3 12	11 41.75	+ 6 58.2	1.880	2.871	1.7	20.4
3 22	11 33.21	+ 7 39.0	1.884	2.868	4.0	20.5
4 1	11 25.28	+ 8 11.1	1.917	2.864	7.8	20.8
4 11	11 18.81	+ 8 30.9	1.975	2.859	11.4	21.0
4 21	11 14.32	+ 8 36.3	2.055	2.855	14.4	21.2

122982 2000 SD_{241} 3 14.8 271°.05 7°.6/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.56	−20 27.9	1.971	2.712	16.2	20.1
2 21	11 56.96	−20 55.2	1.868	2.696	13.8	19.9
3 2	11 50.17	−20 57.2	1.784	2.679	11.2	19.7
3 12	11 41.84	−20 31.9	1.724	2.663	8.8	19.5
3 22	11 32.88	−19 40.3	1.690	2.646	7.6	19.4
4 1	11 24.39	−18 27.1	1.682	2.629	8.7	19.4
4 11	11 17.39	−17 0.7	1.700	2.611	11.3	19.5
4 21	11 12.62	−15 30.4	1.740	2.594	14.3	19.7

366837 2005 OO_{3} 3 14.8 209°.39 5°.8/ 7.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.30	+18 29.4	2.343	3.197	10.4	22.2
2 21	11 57.71	+19 59.3	2.274	3.190	7.9	22.1
3 2	11 50.34	+21 27.3	2.232	3.182	6.1	21.9
3 12	11 41.83	+22 45.3	2.219	3.173	6.1	21.9
3 22	11 33.01	+23 46.7	2.235	3.163	7.8	22.0
4 1	11 24.75	+24 27.1	2.278	3.153	10.4	22.1
4 11	11 17.84	+24 44.7	2.345	3.141	12.9	22.3
4 21	11 12.82	+24 40.8	2.431	3.130	15.1	22.4

66820 1999 UW_{17} 3 14.8 265°.80 0°.4/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.67	+ 0 40.6	2.028	2.867	12.4	20.8
2 21	11 56.03	+ 1 21.4	1.936	2.852	9.1	20.5
3 2	11 49.48	+ 2 14.7	1.869	2.837	5.2	20.3
3 12	11 41.66	+ 3 15.7	1.829	2.822	1.1	19.9
3 22	11 33.41	+ 4 18.1	1.819	2.806	3.3	20.1
4 1	11 25.67	+ 5 15.6	1.837	2.791	7.5	20.3
4 11	11 19.30	+ 6 2.3	1.880	2.775	11.4	20.5
4 21	11 14.90	+ 6 34.6	1.946	2.759	14.7	20.7

245444 2005 JZ_{176} 3 14.8 287°.99 0°.7/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.22	+ 1 0.9	2.131	2.973	11.7	21.0
2 21	11 54.13	+ 1 53.4	2.044	2.962	8.5	20.8
3 2	11 48.32	+ 2 57.9	1.982	2.951	4.9	20.5
3 12	11 41.40	+ 4 9.2	1.947	2.940	1.1	20.2
3 22	11 34.13	+ 5 21.0	1.942	2.929	3.3	20.4
4 1	11 27.35	+ 6 26.8	1.966	2.918	7.3	20.6
4 11	11 21.85	+ 7 20.9	2.016	2.907	10.8	20.8
4 21	11 18.15	+ 7 59.9	2.088	2.897	13.9	21.0

328673 2009 SV_{289} 3 14.8 204°.88 3°.2/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.03	+10 17.7	2.209	3.059	11.1	21.7
2 21	11 58.24	+11 6.3	2.132	3.055	8.0	21.5
3 2	11 50.64	+11 58.1	2.082	3.050	4.9	21.3
3 12	11 41.90	+12 47.0	2.060	3.044	3.2	21.2
3 22	11 32.87	+13 27.3	2.068	3.038	5.3	21.3
4 1	11 24.44	+13 54.4	2.105	3.031	8.5	21.5
4 11	11 17.41	+14 5.6	2.167	3.024	11.6	21.7
4 21	11 12.30	+14 0.6	2.250	3.016	14.3	21.9

388795 2008 AB_{117} 3 14.8 126°.04 3°.0/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.43	−10 32.8	2.751	3.530	11.1	21.7
2 21	11 55.29	−10 27.8	2.673	3.543	8.7	21.6
3 2	11 48.79	−10 8.6	2.619	3.556	6.1	21.4
3 12	11 41.48	− 9 36.9	2.594	3.568	3.7	21.3
3 22	11 33.98	− 8 55.7	2.598	3.580	3.2	21.3
4 1	11 26.98	− 8 9.1	2.632	3.592	5.2	21.4
4 11	11 21.06	− 7 21.7	2.695	3.603	7.8	21.6
4 21	11 16.62	− 6 37.9	2.782	3.614	10.2	21.8

493857 2015 XU_{57} 3 14.8 254°.22 6°.3/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.74	+12 50.4	1.364	2.238	15.0	21.3
2 21	11 58.92	+14 25.7	1.303	2.235	11.1	21.0
3 2	11 51.39	+16 5.1	1.265	2.232	7.5	20.8
3 12	11 42.10	+17 36.1	1.253	2.229	6.5	20.7
3 22	11 32.39	+18 47.3	1.267	2.226	9.3	20.9
4 1	11 23.67	+19 30.6	1.304	2.222	13.3	21.1
4 11	11 17.15	+19 43.3	1.363	2.219	17.2	21.3
4 21	11 13.48	+19 27.3	1.439	2.215	20.6	21.5

292775 2006 UB_{211} 3 14.8 204°.83 2°.4/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.07	− 8 54.2	2.872	3.660	10.5	22.5
2 21	11 54.35	− 8 38.8	2.777	3.656	8.2	22.3
3 2	11 48.28	− 8 10.1	2.707	3.651	5.5	22.1
3 12	11 41.38	− 7 29.9	2.666	3.645	3.0	21.9
3 22	11 34.22	− 6 41.4	2.654	3.640	2.7	21.9
4 1	11 27.45	− 5 48.6	2.673	3.634	5.0	22.1
4 11	11 21.64	− 4 56.3	2.720	3.627	7.8	22.2
4 21	11 17.24	− 4 8.5	2.792	3.621	10.3	22.4

273067 2006 DR_{195} 3 14.8 290°.78 0°.1/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.89	+ 1 9.7	1.892	2.730	13.2	20.3
2 21	11 58.44	+ 1 14.7	1.807	2.722	9.7	20.1
3 2	11 50.90	+ 1 29.8	1.747	2.714	5.7	19.8
3 12	11 41.99	+ 1 51.3	1.714	2.706	1.3	19.5
3 22	11 32.66	+ 2 14.6	1.709	2.699	3.2	19.6
4 1	11 23.96	+ 2 34.8	1.733	2.691	7.6	19.9
4 11	11 16.83	+ 2 47.2	1.782	2.683	11.5	20.1
4 21	11 11.88	+ 2 49.3	1.854	2.676	14.9	20.3

341401 2007 TE_{158} 3 14.8 202°.63 1°.4/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.99	+ 5 35.6	2.302	3.144	11.0	20.7
2 21	11 57.40	+ 5 57.3	2.223	3.142	7.9	20.5
3 2	11 50.12	+ 6 24.6	2.170	3.140	4.5	20.3
3 12	11 41.80	+ 6 53.2	2.147	3.138	1.5	20.0
3 22	11 33.22	+ 7 18.7	2.153	3.136	3.6	20.2
4 1	11 25.21	+ 7 37.0	2.188	3.133	7.1	20.4
4 11	11 18.51	+ 7 45.1	2.249	3.131	10.3	20.6
4 21	11 13.61	+ 7 41.6	2.334	3.128	13.1	20.8

464628 1999 CR_{147} 3 14.8 315°.13 1°.4/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.10	− 0 32.2	1.497	2.341	15.7	20.7
2 21	12 0.02	− 0 54.0	1.402	2.317	11.9	20.4
3 2	11 52.18	− 1 3.8	1.329	2.294	7.3	20.1
3 12	11 42.35	− 1 3.9	1.281	2.272	2.4	19.7
3 22	11 31.67	− 0 58.1	1.260	2.250	3.8	19.7
4 1	11 21.58	− 0 51.5	1.265	2.228	9.0	20.0
4 11	11 13.41	− 0 49.8	1.293	2.208	14.0	20.2
4 21	11 8.03	− 0 57.1	1.342	2.188	18.3	20.4

480081 2015 DF_{210} 3 14.8 260°.08 4°.6/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.77	+15 21.4	2.443	3.301	9.8	21.1
2 21	11 55.08	+16 29.2	2.367	3.289	7.3	20.9
3 2	11 48.80	+17 37.1	2.317	3.277	5.2	20.7
3 12	11 41.52	+18 38.6	2.297	3.265	4.7	20.7
3 22	11 33.94	+19 28.0	2.305	3.252	6.5	20.8
4 1	11 26.85	+20 0.9	2.340	3.240	9.1	20.9
4 11	11 20.96	+20 15.3	2.400	3.227	11.7	21.1
4 21	11 16.75	+20 11.3	2.481	3.214	14.0	21.2

96395 1998 DF_{12} 3 14.8 53°.98 2°.2/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.71	+ 3 56.1	1.245	2.111	16.7	19.2
2 21	11 58.71	+ 4 54.1	1.201	2.132	12.0	19.0
3 2	11 51.09	+ 6 4.2	1.180	2.153	6.7	18.7
3 12	11 42.01	+ 7 16.6	1.183	2.175	2.3	18.5
3 22	11 32.83	+ 8 21.2	1.213	2.197	5.5	18.8
4 1	11 24.92	+ 9 9.6	1.267	2.219	10.4	19.1
4 11	11 19.29	+ 9 37.1	1.344	2.241	14.8	19.4
4 21	11 16.45	+ 9 42.9	1.439	2.264	18.3	19.7

56827 2000 QB_{28} 3 14.8 190°.04 1°.4/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.55	+ 3 9.7	2.643	3.484	9.8	19.6
2 21	11 53.31	+ 4 26.1	2.564	3.483	7.0	19.4
3 2	11 47.71	+ 5 51.3	2.511	3.482	3.9	19.2
3 12	11 41.27	+ 7 19.8	2.489	3.480	1.4	19.0
3 22	11 34.61	+ 8 45.7	2.498	3.479	3.5	19.1
4 1	11 28.38	+10 3.2	2.537	3.477	6.6	19.3
4 11	11 23.18	+11 7.9	2.603	3.474	9.4	19.5
4 21	11 19.43	+11 57.4	2.693	3.472	11.9	19.7

484014 2006 DU_{65} 3 14.8 30°.07 4°.8/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.04	+ 0 12.1	1.004	1.883	18.7	19.9
2 21	11 54.58	+ 3 50.9	0.946	1.886	13.2	19.6
3 2	11 49.10	+ 8 4.4	0.912	1.889	7.4	19.3
3 12	11 41.64	+12 27.7	0.905	1.892	5.0	19.2
3 22	11 33.68	+16 31.5	0.925	1.896	9.8	19.5
4 1	11 26.85	+19 51.6	0.971	1.900	15.5	19.8
4 11	11 22.48	+22 16.4	1.036	1.904	20.5	20.1
4 21	11 21.27	+23 46.4	1.118	1.909	24.5	20.4

371141 2005 WX_{149} 3 14.8 202°.27 0°.2/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.80	− 0 27.8	2.219	3.046	11.9	22.4
2 21	11 57.37	− 0 0.5	2.133	3.043	8.7	22.2
3 2	11 50.17	+ 0 37.9	2.073	3.038	5.1	21.9
3 12	11 41.84	+ 1 23.6	2.042	3.034	1.2	21.6
3 22	11 33.19	+ 2 11.6	2.040	3.029	2.8	21.7
4 1	11 25.08	+ 2 56.6	2.067	3.023	6.7	22.0
4 11	11 18.30	+ 3 33.6	2.122	3.017	10.2	22.2
4 21	11 13.37	+ 3 59.7	2.199	3.010	13.3	22.4

218662 2005 SS_{205} 3 14.8 152°.25 0°.9/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.56	+ 0 48.5	1.921	2.763	12.8	21.0
2 21	11 55.90	+ 1 53.7	1.849	2.767	9.3	20.8
3 2	11 49.36	+ 3 11.9	1.801	2.771	5.2	20.5
3 12	11 41.66	+ 4 36.9	1.782	2.774	1.2	20.2
3 22	11 33.68	+ 6 0.7	1.792	2.778	3.7	20.4
4 1	11 26.37	+ 7 15.9	1.830	2.780	7.8	20.7
4 11	11 20.55	+ 8 16.6	1.894	2.783	11.5	20.9
4 21	11 16.73	+ 8 59.5	1.980	2.785	14.7	21.1

160457 2005 YW_{168} 3 14.8 118°.23 5°.4/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.42	+13 58.6	1.589	2.448	14.1	20.4
2 21	12 2.50	+14 58.5	1.540	2.464	10.4	20.2
3 2	11 53.19	+15 57.6	1.515	2.479	6.8	20.0
3 12	11 42.50	+16 46.6	1.518	2.494	5.5	19.9
3 22	11 31.70	+17 18.1	1.547	2.508	7.7	20.1
4 1	11 22.05	+17 27.9	1.603	2.521	11.3	20.3
4 11	11 14.54	+17 15.4	1.682	2.534	14.7	20.6
4 21	11 9.68	+16 42.7	1.781	2.546	17.6	20.8

151048 2001 UO_{220} 3 14.8 176°.00 0°.2/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.83	− 0 28.5	1.999	2.831	12.8	21.1
2 21	11 57.52	+ 0 0.3	1.921	2.833	9.4	20.9
3 2	11 50.30	+ 0 41.2	1.868	2.834	5.5	20.7
3 12	11 41.88	+ 1 29.9	1.842	2.835	1.3	20.4
3 22	11 33.16	+ 2 20.8	1.846	2.835	3.0	20.5
4 1	11 25.09	+ 3 7.9	1.878	2.835	7.2	20.8
4 11	11 18.49	+ 3 46.0	1.937	2.835	10.9	21.0
4 21	11 13.92	+ 4 11.8	2.018	2.834	14.1	21.2

299249 2005 MO_{42} 3 14.8 207°.37 3°.9/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 59.47	−14 10.6	2.815	3.575	11.4	21.1
2 21	11 54.72	−14 10.1	2.718	3.571	9.2	21.0
3 2	11 48.56	−13 53.7	2.645	3.566	6.8	20.8
3 12	11 41.50	−13 22.0	2.599	3.561	4.7	20.6
3 22	11 34.16	−12 37.7	2.582	3.556	4.0	20.6
4 1	11 27.21	−11 44.6	2.594	3.550	5.5	20.7
4 11	11 21.27	−10 47.7	2.635	3.544	7.9	20.8
4 21	11 16.79	− 9 52.0	2.700	3.538	10.3	21.0

461391 2001 RD_{146} 3 14.8 115°.45 5°.1/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.63	−17 21.5	2.188	2.939	14.5	21.6
2 21	11 57.19	−17 7.4	2.116	2.959	11.8	21.4
3 2	11 50.02	−16 30.3	2.066	2.979	8.9	21.2
3 12	11 41.82	−15 31.6	2.042	2.998	6.2	21.1
3 22	11 33.43	−14 15.5	2.046	3.017	5.2	21.1
4 1	11 25.75	−12 48.7	2.079	3.035	6.7	21.2
4 11	11 19.51	−11 19.0	2.140	3.052	9.3	21.4
4 21	11 15.19	− 9 53.7	2.225	3.069	12.0	21.6

300005 2006 UQ_{40} 3 14.8 247°.87 3°.3/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.41	−11 28.7	2.499	3.283	12.0	20.8
2 21	11 54.10	−11 12.9	2.403	3.275	9.5	20.6
3 2	11 48.26	−10 40.0	2.330	3.267	6.7	20.4
3 12	11 41.45	− 9 51.7	2.285	3.259	4.1	20.2
3 22	11 34.31	− 8 51.5	2.268	3.251	3.5	20.2
4 1	11 27.61	− 7 44.5	2.280	3.242	5.7	20.3
4 11	11 22.00	− 6 36.6	2.321	3.234	8.6	20.5
4 21	11 17.99	− 5 33.4	2.386	3.225	11.4	20.6

140442 2001 TF_{114} 3 14.8 173°.15 4°.2/20.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.65	−14 35.0	2.598	3.360	12.2	20.0
2 21	11 54.93	−14 34.9	2.508	3.361	9.9	19.9
3 2	11 48.71	−14 17.4	2.442	3.362	7.3	19.7
3 12	11 41.55	−13 43.3	2.402	3.363	5.0	19.6
3 22	11 34.11	−12 55.4	2.390	3.364	4.3	19.5
4 1	11 27.14	−11 58.2	2.408	3.365	5.8	19.6
4 11	11 21.27	−10 57.1	2.454	3.365	8.3	19.8
4 21	11 16.99	− 9 57.7	2.524	3.365	10.8	19.9

38944 2000 SF_{274} 3 14.8 23°.10 1°.8/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.67	+ 3 32.6	1.416	2.281	15.2	18.0
2 21	11 55.71	+ 4 22.0	1.359	2.289	10.9	17.7
3 2	11 49.42	+ 5 23.6	1.324	2.298	6.1	17.5
3 12	11 41.72	+ 6 29.3	1.315	2.307	1.9	17.2
3 22	11 33.77	+ 7 30.3	1.332	2.318	4.9	17.5
4 1	11 26.76	+ 8 18.7	1.375	2.329	9.6	17.8
4 11	11 21.68	+ 8 49.0	1.440	2.341	13.8	18.0
4 21	11 19.08	+ 8 59.6	1.526	2.353	17.3	18.3

191992 2005 XJ_{3} 3 14.8 177°.44 0°.6/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.88	+ 0 58.0	1.821	2.657	13.7	21.0
2 21	11 59.90	+ 1 42.8	1.745	2.660	10.0	20.8
3 2	11 51.76	+ 2 40.4	1.694	2.662	5.7	20.5
3 12	11 42.25	+ 3 45.0	1.671	2.663	1.2	20.2
3 22	11 32.39	+ 4 49.5	1.677	2.664	3.7	20.4
4 1	11 23.27	+ 5 46.8	1.711	2.663	8.2	20.7
4 11	11 15.86	+ 6 31.0	1.771	2.662	12.2	20.9
4 21	11 10.74	+ 6 59.3	1.853	2.660	15.5	21.1

90744 1993 FT_{80} 3 14.8 44°.50 2°.1/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.51	+ 6 23.3	1.795	2.649	13.0	19.8
2 21	11 58.15	+ 6 54.2	1.727	2.651	9.4	19.6
3 2	11 50.72	+ 7 31.6	1.683	2.654	5.4	19.4
3 12	11 42.01	+ 8 9.7	1.667	2.657	2.2	19.2
3 22	11 33.03	+ 8 42.4	1.678	2.660	4.6	19.3
4 1	11 24.83	+ 9 4.4	1.717	2.663	8.6	19.6
4 11	11 18.30	+ 9 12.2	1.781	2.667	12.4	19.8
4 21	11 14.01	+ 9 4.9	1.866	2.670	15.5	20.0

229556 2005 YO_{217} 3 14.8 106°.37 4°.6/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.07	+12 46.8	1.946	2.807	11.8	20.4
2 21	11 56.94	+14 2.1	1.891	2.817	8.6	20.2
3 2	11 49.93	+15 18.6	1.862	2.827	5.7	20.1
3 12	11 41.83	+16 28.3	1.861	2.837	4.7	20.0
3 22	11 33.54	+17 24.0	1.889	2.847	6.8	20.2
4 1	11 26.03	+18 0.8	1.943	2.856	9.9	20.4
4 11	11 20.08	+18 16.7	2.021	2.865	12.9	20.6
4 21	11 16.17	+18 12.3	2.119	2.875	15.4	20.8

387161 2012 TY_{243} 3 14.8 80°.14 2°.7/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.02	+ 8 50.7	2.246	3.098	10.8	21.4
2 21	11 55.91	+ 9 38.7	2.190	3.114	7.7	21.2
3 2	11 49.23	+10 29.9	2.160	3.130	4.5	21.0
3 12	11 41.66	+11 18.9	2.159	3.146	2.7	20.9
3 22	11 33.97	+12 0.2	2.188	3.161	4.6	21.1
4 1	11 26.96	+12 29.7	2.244	3.177	7.7	21.3
4 11	11 21.28	+12 45.0	2.327	3.192	10.6	21.5
4 21	11 17.35	+12 45.5	2.431	3.208	13.1	21.7

674 Rachele 3 14.8 48°.20 7°.6/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.24	+21 28.6	1.700	2.563	13.2	11.4
2 21	11 59.35	+22 32.5	1.663	2.580	10.2	11.2
3 2	11 51.31	+23 27.6	1.651	2.598	8.1	11.1
3 12	11 42.12	+24 5.2	1.665	2.617	7.8	11.2
3 22	11 32.90	+24 19.5	1.704	2.635	9.6	11.3
4 1	11 24.79	+24 8.3	1.768	2.654	12.2	11.5
4 11	11 18.64	+23 33.1	1.854	2.673	14.9	11.7
4 21	11 14.88	+22 37.6	1.959	2.693	17.2	11.9

336370 2008 UF_{42} 3 14.8 201°.70 1°.7/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.12	− 6 21.8	2.437	3.243	11.6	22.0
2 21	11 55.33	− 5 50.3	2.347	3.239	8.8	21.8
3 2	11 48.98	− 5 4.0	2.281	3.235	5.7	21.6
3 12	11 41.63	− 4 6.0	2.244	3.231	2.5	21.4
3 22	11 33.99	− 3 0.9	2.237	3.226	2.5	21.4
4 1	11 26.82	− 1 54.1	2.259	3.221	5.8	21.6
4 11	11 20.80	− 0 51.4	2.310	3.215	9.0	21.8
4 21	11 16.43	+ 0 2.7	2.384	3.209	11.9	21.9

340608 2006 QA_{55} 3 14.8 98°.05 2°.7/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.31	+ 8 20.4	2.510	3.361	9.9	20.5
2 21	11 54.54	+ 9 37.0	2.458	3.382	7.0	20.3
3 2	11 48.40	+10 57.3	2.434	3.402	4.2	20.2
3 12	11 41.48	+12 15.2	2.439	3.423	2.7	20.1
3 22	11 34.45	+13 24.9	2.474	3.443	4.6	20.3
4 1	11 28.01	+14 21.8	2.539	3.462	7.4	20.5
4 11	11 22.74	+15 3.1	2.629	3.482	10.0	20.7
4 21	11 19.02	+15 27.9	2.742	3.501	12.2	20.8

225981 2002 CQ_{215} 3 14.8 147°.39 1°.6/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.32	+ 3 15.5	2.061	2.907	11.9	20.5
2 21	11 55.63	+ 4 22.9	1.991	2.913	8.5	20.3
3 2	11 49.18	+ 5 40.4	1.947	2.917	4.8	20.1
3 12	11 41.68	+ 7 1.5	1.930	2.922	1.6	19.9
3 22	11 33.92	+ 8 18.9	1.944	2.926	4.0	20.0
4 1	11 26.79	+ 9 26.2	1.986	2.930	7.8	20.3
4 11	11 21.05	+10 18.3	2.054	2.934	11.2	20.5
4 21	11 17.19	+10 52.9	2.143	2.937	14.1	20.7

187734 2008 FF_{104} 3 14.8 293°.93 4°.3/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.18	+10 26.9	1.665	2.531	13.3	20.4
2 21	11 57.45	+11 31.4	1.593	2.522	9.7	20.2
3 2	11 50.45	+12 41.1	1.545	2.514	6.0	19.9
3 12	11 41.99	+13 47.5	1.523	2.506	4.3	19.8
3 22	11 33.12	+14 42.0	1.529	2.498	6.8	19.9
4 1	11 24.99	+15 18.1	1.561	2.490	10.7	20.1
4 11	11 18.62	+15 32.2	1.616	2.483	14.4	20.3
4 21	11 14.64	+15 24.2	1.690	2.475	17.6	20.5

269659 1995 FK_{5} 3 14.8 267°.96 1°.6/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.11	+ 4 24.3	1.891	2.739	12.7	21.0
2 21	11 57.99	+ 5 2.0	1.800	2.722	9.3	20.8
3 2	11 50.75	+ 5 49.4	1.734	2.704	5.3	20.5
3 12	11 42.07	+ 6 40.9	1.695	2.686	1.7	20.2
3 22	11 32.87	+ 7 29.9	1.684	2.668	4.3	20.3
4 1	11 24.23	+ 8 10.1	1.702	2.650	8.5	20.6
4 11	11 17.10	+ 8 36.6	1.744	2.631	12.5	20.8
4 21	11 12.16	+ 8 47.0	1.808	2.612	16.0	20.9

306298 2011 SF_{53} 3 14.8 307°.02 1°.2/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.48	+ 4 52.2	2.289	3.132	11.0	20.9
2 21	11 56.36	+ 5 12.4	2.209	3.128	7.9	20.7
3 2	11 49.58	+ 5 38.6	2.155	3.124	4.5	20.4
3 12	11 41.77	+ 6 6.9	2.129	3.121	1.3	20.2
3 22	11 33.69	+ 6 32.8	2.132	3.117	3.4	20.3
4 1	11 26.16	+ 6 52.3	2.165	3.113	6.9	20.6
4 11	11 19.89	+ 7 2.0	2.224	3.110	10.2	20.8
4 21	11 15.40	+ 7 0.5	2.305	3.106	13.0	20.9

463799 2014 SD_{309} 3 14.8 115°.62 1°.6/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.87	− 5 58.4	2.025	2.838	13.4	22.3
2 21	11 57.42	− 5 21.1	1.959	2.856	10.1	22.1
3 2	11 50.18	− 4 27.4	1.917	2.874	6.3	21.9
3 12	11 41.89	− 3 21.4	1.903	2.892	2.5	21.7
3 22	11 33.44	− 2 9.3	1.919	2.909	2.8	21.7
4 1	11 25.72	− 0 57.8	1.963	2.925	6.5	22.0
4 11	11 19.50	+ 0 6.6	2.035	2.941	10.1	22.2
4 21	11 15.25	+ 0 59.3	2.130	2.956	13.1	22.5

389271 2009 HE_{3} 3 14.8 327°.59 3°.9/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 55.91	−13 35.0	2.051	2.839	14.1	20.3
2 21	11 52.60	−12 58.8	1.955	2.828	11.3	20.1
3 2	11 47.54	−11 58.7	1.882	2.818	8.1	19.9
3 12	11 41.34	−10 36.8	1.835	2.809	5.0	19.7
3 22	11 34.77	− 8 58.4	1.815	2.799	4.0	19.6
4 1	11 28.70	− 7 11.3	1.824	2.790	6.5	19.7
4 11	11 23.93	− 5 24.6	1.860	2.782	9.9	19.9
4 21	11 21.01	− 3 46.1	1.921	2.774	13.2	20.1

185503 2007 TK_{165} 3 14.8 129°.93 0°.4/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 0.31	+ 1 21.9	2.638	3.468	10.1	21.5
2 21	11 55.24	+ 2 0.6	2.569	3.481	7.3	21.3
3 2	11 48.81	+ 2 47.5	2.527	3.494	4.2	21.1
3 12	11 41.59	+ 3 38.3	2.514	3.506	0.9	20.9
3 22	11 34.22	+ 4 28.6	2.531	3.518	2.6	21.0
4 1	11 27.37	+ 5 14.0	2.579	3.529	5.8	21.3
4 11	11 21.63	+ 5 50.9	2.653	3.540	8.7	21.5
4 21	11 17.40	+ 6 17.0	2.752	3.551	11.2	21.6

334815 2003 SA_{312} 3 14.8 222°.98 3°.4/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.10	− 9 4.2	1.866	2.668	14.8	21.4
2 21	11 58.75	− 8 57.9	1.774	2.660	11.6	21.2
3 2	11 51.21	− 8 31.6	1.705	2.651	7.9	20.9
3 12	11 42.18	− 7 47.3	1.661	2.642	4.3	20.7
3 22	11 32.65	− 6 49.2	1.646	2.632	3.9	20.6
4 1	11 23.69	− 5 44.1	1.659	2.622	7.3	20.8
4 11	11 16.32	− 4 39.8	1.698	2.611	11.3	21.0
4 21	11 11.21	− 3 42.9	1.760	2.600	14.8	21.2

200119 1996 BD_{14} 3 14.8 122°.38 2°.0/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.81	+ 4 50.5	1.751	2.595	13.8	21.4
2 21	12 1.16	+ 5 42.3	1.696	2.616	9.9	21.2
3 2	11 52.39	+ 6 42.5	1.665	2.635	5.6	21.0
3 12	11 42.40	+ 7 43.8	1.663	2.654	2.1	20.8
3 22	11 32.28	+ 8 39.0	1.690	2.672	4.6	21.0
4 1	11 23.13	+ 9 21.8	1.745	2.689	8.7	21.3
4 11	11 15.85	+ 9 48.6	1.826	2.705	12.4	21.5
4 21	11 10.94	+ 9 58.2	1.928	2.720	15.5	21.7

20621 1999 TK_{11} 3 14.8 62°.43 0°.2/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.03	+ 1 33.1	1.481	2.330	15.6	17.1
2 21	12 0.31	+ 1 43.7	1.418	2.338	11.4	16.9
3 2	11 52.10	+ 2 6.3	1.377	2.347	6.6	16.6
3 12	11 42.36	+ 2 36.0	1.363	2.355	1.4	16.3
3 22	11 32.33	+ 3 6.3	1.375	2.364	3.8	16.5
4 1	11 23.29	+ 3 31.0	1.414	2.373	8.8	16.8
4 11	11 16.32	+ 3 44.9	1.477	2.382	13.2	17.1
4 21	11 12.01	+ 3 45.5	1.561	2.391	16.8	17.4

334351 2001 YN_{33} 3 14.8 165°.61 6°.9/ 6.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.86	+23 32.6	2.335	3.181	10.7	21.9
2 21	11 59.51	+24 47.7	2.283	3.187	8.5	21.8
3 2	11 51.36	+25 55.3	2.258	3.192	7.1	21.7
3 12	11 42.17	+26 47.9	2.261	3.196	7.2	21.7
3 22	11 32.81	+27 20.3	2.292	3.200	8.7	21.8
4 1	11 24.20	+27 29.8	2.349	3.203	10.9	22.0
4 11	11 17.09	+27 16.6	2.429	3.205	13.0	22.1
4 21	11 11.97	+26 43.4	2.528	3.207	14.9	22.3

127017 2002 GM_{15} 3 14.8 355°.01 3°.1/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.52	+ 9 10.4	1.629	2.490	13.8	19.1
2 21	11 59.11	+ 9 35.2	1.560	2.488	10.0	18.9
3 2	11 51.39	+10 4.0	1.516	2.486	5.9	18.6
3 12	11 42.21	+10 30.3	1.497	2.485	3.1	18.5
3 22	11 32.70	+10 47.8	1.506	2.484	5.6	18.6
4 1	11 24.04	+10 51.7	1.541	2.484	9.7	18.9
4 11	11 17.26	+10 39.5	1.600	2.484	13.6	19.1
4 21	11 12.94	+10 11.1	1.680	2.485	16.9	19.3

212954 2009 BL_{46} 3 14.8 144°.19 0°.7/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.77	+ 0 16.4	1.624	2.469	14.6	20.4
2 21	11 57.82	+ 1 13.1	1.555	2.474	10.6	20.2
3 2	11 50.63	+ 2 25.1	1.509	2.479	6.1	19.9
3 12	11 42.04	+ 3 45.5	1.490	2.483	1.3	19.6
3 22	11 33.12	+ 5 5.6	1.500	2.487	4.0	19.8
4 1	11 25.02	+ 6 16.9	1.536	2.491	8.7	20.1
4 11	11 18.71	+ 7 12.5	1.597	2.494	12.9	20.4
4 21	11 14.78	+ 7 49.2	1.680	2.497	16.4	20.6

337731 2001 UZ_{67} 3 14.8 109°.33 0°.3/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.07	− 1 21.3	2.574	3.397	10.6	21.8
2 21	11 55.09	− 0 47.2	2.508	3.414	7.7	21.6
3 2	11 48.73	− 0 3.2	2.467	3.431	4.5	21.4
3 12	11 41.59	+ 0 46.9	2.455	3.447	1.2	21.2
3 22	11 34.30	+ 1 38.6	2.474	3.463	2.3	21.3
4 1	11 27.57	+ 2 27.3	2.522	3.479	5.6	21.6
4 11	11 21.97	+ 3 9.0	2.599	3.494	8.6	21.8
4 21	11 17.90	+ 3 40.9	2.699	3.509	11.1	22.0

141088 2001 XR_{39} 3 14.8 147°.07 8°.3/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.87	+33 8.0	2.700	3.525	10.1	19.9
2 21	11 58.66	+34 18.5	2.663	3.531	8.9	19.9
3 2	11 50.81	+35 15.8	2.651	3.537	8.3	19.8
3 12	11 42.04	+35 53.6	2.666	3.543	8.7	19.9
3 22	11 33.18	+36 8.5	2.706	3.549	9.8	20.0
4 1	11 25.06	+35 59.2	2.770	3.554	11.3	20.1
4 11	11 18.37	+35 27.2	2.855	3.559	12.8	20.2
4 21	11 13.54	+34 35.7	2.957	3.564	14.2	20.3

95866 2003 GM_{23} 3 14.8 286°.45 0°.5/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 3.70	− 1 4.6	1.423	2.271	16.2	19.8
2 21	11 58.96	− 0 44.2	1.341	2.260	12.1	19.5
3 2	11 51.55	− 0 6.5	1.281	2.249	7.2	19.2
3 12	11 42.30	+ 0 43.7	1.246	2.239	1.9	18.9
3 22	11 32.42	+ 1 39.0	1.238	2.228	3.8	19.0
4 1	11 23.31	+ 2 31.0	1.255	2.217	9.3	19.2
4 11	11 16.21	+ 3 11.7	1.296	2.207	14.2	19.5
4 21	11 11.89	+ 3 36.5	1.356	2.197	18.4	19.7

89896 2002 CG_{275} 3 14.8 32°.38 1°.0/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.14	+ 5 19.8	1.555	2.404	14.9	17.7
2 21	12 2.50	+ 5 6.7	1.488	2.410	10.9	17.5
3 2	11 53.35	+ 4 59.7	1.446	2.416	6.3	17.2
3 12	11 42.65	+ 4 54.6	1.430	2.422	1.5	16.9
3 22	11 31.66	+ 4 47.1	1.441	2.429	4.1	17.1
4 1	11 21.69	+ 4 33.2	1.481	2.436	8.9	17.4
4 11	11 13.80	+ 4 10.5	1.545	2.443	13.1	17.6
4 21	11 8.61	+ 3 37.8	1.630	2.451	16.6	17.9

99390 2002 AP_{1} 3 14.8 48°.57 0°.1/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.28	− 1 20.4	1.361	2.212	16.5	19.4
2 21	11 57.79	− 0 39.1	1.296	2.218	12.2	19.1
3 2	11 50.74	+ 0 20.9	1.254	2.223	7.1	18.9
3 12	11 42.10	+ 1 32.8	1.236	2.229	1.6	18.5
3 22	11 33.08	+ 2 47.4	1.245	2.235	3.9	18.7
4 1	11 25.04	+ 3 55.1	1.280	2.241	9.2	19.0
4 11	11 19.08	+ 4 47.8	1.337	2.248	13.9	19.3
4 21	11 15.81	+ 5 21.5	1.415	2.254	17.8	19.5

495113 2011 UX_{247} 3 14.8 202°.12 2°.8/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.51	− 8 13.8	1.787	2.597	15.1	22.9
2 21	11 58.34	− 7 51.2	1.701	2.593	11.7	22.6
3 2	11 50.97	− 7 7.5	1.638	2.590	7.7	22.4
3 12	11 42.15	− 6 5.9	1.601	2.586	3.8	22.1
3 22	11 32.88	− 4 51.9	1.593	2.581	3.5	22.1
4 1	11 24.27	− 3 33.5	1.612	2.576	7.4	22.3
4 11	11 17.31	− 2 19.2	1.657	2.570	11.5	22.6
4 21	11 12.64	− 1 15.7	1.725	2.564	15.1	22.8

215082 2009 FT_{22} 3 14.8 286°.85 0°.7/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.54	+ 0 34.0	1.534	2.385	15.0	20.6
2 21	11 57.24	+ 1 20.0	1.449	2.371	11.0	20.4
3 2	11 50.49	+ 2 22.7	1.387	2.357	6.4	20.1
3 12	11 42.07	+ 3 35.7	1.350	2.343	1.4	19.7
3 22	11 33.07	+ 4 50.6	1.341	2.329	4.2	19.8
4 1	11 24.74	+ 5 58.1	1.358	2.315	9.3	20.1
4 11	11 18.22	+ 6 50.7	1.399	2.301	14.0	20.3
4 21	11 14.24	+ 7 23.8	1.460	2.288	17.9	20.6

350536 2000 QY_{69} 3 14.8 115°.29 13°.2/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 52.53	− 6 25.1	0.677	1.494	31.9	21.2
2 21	12 37.81	−10 40.9	0.627	1.516	25.7	20.9
3 2	12 15.56	−14 45.0	0.596	1.535	18.9	20.6
3 12	11 47.84	−18 9.2	0.588	1.554	13.8	20.4
3 22	11 18.92	−20 29.0	0.605	1.572	14.3	20.5
4 1	10 53.77	−21 41.5	0.647	1.588	19.1	20.8
4 11	10 35.61	−22 6.6	0.708	1.602	24.5	21.2
4 21	10 25.06	−22 8.4	0.783	1.615	29.0	21.6

246959 1999 TV_{3} 3 14.8 148°.94 1°.0/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.89	+ 2 2.9	2.061	2.898	12.3	21.8
2 21	11 58.19	+ 2 57.7	1.992	2.908	8.9	21.6
3 2	11 50.67	+ 4 3.0	1.950	2.918	5.0	21.4
3 12	11 42.06	+ 5 12.7	1.936	2.928	1.3	21.1
3 22	11 33.23	+ 6 20.3	1.952	2.937	3.6	21.3
4 1	11 25.09	+ 7 19.4	1.997	2.944	7.5	21.6
4 11	11 18.44	+ 8 5.4	2.068	2.952	11.0	21.8
4 21	11 13.78	+ 8 35.8	2.162	2.958	13.9	22.0

345692 2006 UT_{176} 3 14.8 211°.77 2°.8/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.02	+ 9 41.0	2.548	3.399	9.7	21.0
2 21	11 55.19	+10 32.9	2.472	3.395	7.0	20.8
3 2	11 48.88	+11 28.3	2.422	3.391	4.2	20.7
3 12	11 41.66	+12 21.7	2.402	3.386	2.8	20.5
3 22	11 34.20	+13 8.1	2.412	3.381	4.6	20.7
4 1	11 27.23	+13 43.3	2.450	3.377	7.5	20.8
4 11	11 21.38	+14 4.6	2.514	3.371	10.2	21.0
4 21	11 17.12	+14 11.1	2.601	3.366	12.6	21.2

402039 2003 SS_{229} 3 14.8 170°.88 1°.7/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.81	+ 4 20.9	1.867	2.712	13.0	21.7
2 21	11 59.08	+ 5 6.6	1.795	2.715	9.4	21.5
3 2	11 51.29	+ 6 1.4	1.748	2.718	5.3	21.2
3 12	11 42.21	+ 6 59.1	1.729	2.720	1.8	21.0
3 22	11 32.83	+ 7 52.9	1.739	2.722	4.3	21.2
4 1	11 24.20	+ 8 36.6	1.777	2.723	8.4	21.4
4 11	11 17.20	+ 9 5.7	1.840	2.723	12.2	21.6
4 21	11 12.40	+ 9 18.4	1.925	2.723	15.3	21.8

327269 2005 SV_{192} 3 14.8 109°.14 4°.5/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 0.00	−14 37.1	1.905	2.686	15.3	20.9
2 21	11 55.60	−14 8.8	1.826	2.693	12.3	20.7
3 2	11 49.29	−13 15.5	1.769	2.700	8.9	20.5
3 12	11 41.77	−11 59.4	1.738	2.708	5.7	20.3
3 22	11 33.96	−10 26.2	1.734	2.715	4.6	20.3
4 1	11 26.83	− 8 43.9	1.758	2.722	6.9	20.4
4 11	11 21.23	− 7 2.1	1.809	2.729	10.3	20.6
4 21	11 17.69	− 5 28.9	1.884	2.735	13.5	20.8

64246 2001 TC_{160} 3 14.8 175°.63 3°.8/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.76	+13 5.8	2.532	3.388	9.6	19.2
2 21	11 55.00	+14 14.1	2.466	3.389	7.0	19.0
3 2	11 48.76	+15 23.4	2.427	3.390	4.7	18.9
3 12	11 41.64	+16 27.8	2.417	3.391	3.9	18.8
3 22	11 34.31	+17 21.7	2.436	3.391	5.6	18.9
4 1	11 27.50	+18 0.9	2.483	3.392	8.2	19.1
4 11	11 21.84	+18 23.3	2.556	3.392	10.8	19.3
4 21	11 17.78	+18 28.7	2.650	3.391	13.0	19.4

374090 2004 RX_{226} 3 14.8 209°.28 2°.3/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.94	+ 8 17.1	2.374	3.216	10.7	21.2
2 21	11 58.87	+ 8 48.7	2.291	3.210	7.7	21.0
3 2	11 51.06	+ 9 24.2	2.235	3.203	4.5	20.8
3 12	11 42.17	+ 9 58.8	2.208	3.196	2.3	20.6
3 22	11 32.98	+10 27.7	2.212	3.188	4.3	20.7
4 1	11 24.33	+10 46.8	2.245	3.180	7.5	20.9
4 11	11 16.99	+10 53.4	2.304	3.171	10.7	21.1
4 21	11 11.48	+10 46.9	2.386	3.162	13.4	21.3

144129 2004 BA_{89} 3 14.8 109°.26 2°.6/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.93	− 7 50.2	1.854	2.662	14.7	20.7
2 21	11 58.37	− 7 27.3	1.788	2.680	11.2	20.5
3 2	11 50.83	− 6 45.5	1.746	2.698	7.3	20.3
3 12	11 42.12	− 5 48.2	1.730	2.715	3.5	20.1
3 22	11 33.20	− 4 41.5	1.743	2.732	3.3	20.1
4 1	11 25.10	− 3 32.6	1.784	2.748	6.9	20.4
4 11	11 18.65	− 2 28.6	1.852	2.763	10.6	20.6
4 21	11 14.35	− 1 35.0	1.943	2.779	13.8	20.9

310974 2003 UE_{231} 3 14.8 110°.65 0°.5/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.75	+ 1 24.3	1.702	2.544	14.2	21.6
2 21	11 59.81	+ 1 55.1	1.641	2.558	10.4	21.4
3 2	11 51.71	+ 2 37.5	1.603	2.571	5.9	21.1
3 12	11 42.32	+ 3 25.9	1.592	2.585	1.3	20.9
3 22	11 32.72	+ 4 13.6	1.610	2.598	3.7	21.1
4 1	11 24.02	+ 4 54.3	1.656	2.611	8.1	21.3
4 11	11 17.15	+ 5 23.0	1.727	2.623	12.1	21.6
4 21	11 12.63	+ 5 37.2	1.819	2.635	15.4	21.9

269270 2008 RW_{71} 3 14.8 248°.16 0°.3/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.49	− 0 3.2	2.057	2.894	12.3	20.9
2 21	11 55.91	+ 0 45.5	1.968	2.883	9.0	20.7
3 2	11 49.49	+ 1 47.6	1.904	2.872	5.2	20.4
3 12	11 41.85	+ 2 57.8	1.868	2.861	1.1	20.1
3 22	11 33.81	+ 4 9.9	1.861	2.849	3.2	20.2
4 1	11 26.30	+ 5 16.8	1.883	2.837	7.4	20.5
4 11	11 20.13	+ 6 12.6	1.931	2.825	11.1	20.7
4 21	11 15.89	+ 6 53.7	2.001	2.812	14.4	20.9

430320 2013 YD_{13} 3 14.8 83°.65 2°.3/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.95	− 6 39.0	2.091	2.902	13.1	20.8
2 21	11 56.09	− 6 26.0	2.017	2.911	10.0	20.6
3 2	11 49.49	− 5 57.3	1.967	2.920	6.5	20.4
3 12	11 41.83	− 5 15.7	1.944	2.929	3.1	20.2
3 22	11 33.93	− 4 25.9	1.950	2.938	3.0	20.2
4 1	11 26.65	− 3 33.4	1.984	2.947	6.3	20.4
4 11	11 20.76	− 2 44.2	2.045	2.956	9.7	20.6
4 21	11 16.76	− 2 3.0	2.129	2.965	12.7	20.9

200586 2001 QA_{208} 3 14.8 172°.41 1°.8/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.65	+ 4 0.6	1.784	2.629	13.5	21.5
2 21	11 59.78	+ 4 56.7	1.712	2.633	9.7	21.3
3 2	11 51.75	+ 6 3.2	1.666	2.636	5.5	21.1
3 12	11 42.35	+ 7 13.2	1.647	2.638	1.9	20.8
3 22	11 32.63	+ 8 18.9	1.657	2.640	4.6	21.0
4 1	11 23.68	+ 9 13.1	1.696	2.640	8.8	21.3
4 11	11 16.47	+ 9 50.9	1.759	2.641	12.7	21.5
4 21	11 11.57	+10 10.5	1.844	2.640	16.0	21.7

324494 2006 UA_{235} 3 14.8 172°.33 2°.4/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.76	+ 7 35.2	2.351	3.195	10.7	21.3
2 21	11 57.96	+ 8 29.4	2.279	3.199	7.7	21.1
3 2	11 50.51	+ 9 28.6	2.234	3.203	4.5	20.9
3 12	11 42.06	+10 27.2	2.218	3.206	2.4	20.7
3 22	11 33.37	+11 19.5	2.233	3.208	4.4	20.9
4 1	11 25.28	+12 0.6	2.277	3.209	7.6	21.1
4 11	11 18.50	+12 27.5	2.347	3.209	10.7	21.3
4 21	11 13.50	+12 39.2	2.440	3.209	13.3	21.4

126816 2002 EU_{45} 3 14.8 280°.07 1°.0/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 1.01	− 2 49.0	1.926	2.756	13.3	20.6
2 21	11 56.46	− 2 24.8	1.833	2.741	10.0	20.4
3 2	11 49.89	− 1 45.4	1.763	2.726	6.1	20.1
3 12	11 41.97	− 0 54.5	1.720	2.711	1.9	19.8
3 22	11 33.56	+ 0 2.4	1.706	2.696	3.0	19.8
4 1	11 25.66	+ 0 58.7	1.719	2.681	7.3	20.0
4 11	11 19.21	+ 1 48.0	1.759	2.665	11.3	20.3
4 21	11 14.83	+ 2 25.6	1.820	2.650	14.8	20.4

283577 2001 XO_{67} 3 14.8 128°.94 7°.3/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.32	−24 15.4	2.431	3.125	14.6	21.0
2 21	11 58.46	−24 37.2	2.352	3.142	12.6	20.9
3 2	11 50.85	−24 35.3	2.294	3.159	10.3	20.8
3 12	11 42.15	−24 9.0	2.261	3.174	8.4	20.7
3 22	11 33.19	−23 20.0	2.254	3.190	7.3	20.6
4 1	11 24.85	−22 12.7	2.275	3.204	7.8	20.7
4 11	11 17.91	−20 54.2	2.322	3.218	9.4	20.8
4 21	11 12.86	−19 31.9	2.395	3.231	11.5	20.9

316842 2000 ER_{99} 3 14.8 146°.40 0°.7/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.06	− 0 14.7	1.948	2.773	13.4	20.5
2 21	12 1.37	− 0 16.8	1.874	2.781	9.9	20.3
3 2	11 52.60	− 0 8.5	1.824	2.788	5.9	20.1
3 12	11 42.55	+ 0 7.2	1.803	2.794	1.6	19.8
3 22	11 32.21	+ 0 26.0	1.811	2.800	3.0	19.9
4 1	11 22.63	+ 0 43.4	1.848	2.806	7.2	20.2
4 11	11 14.71	+ 0 55.1	1.912	2.811	11.0	20.4
4 21	11 9.02	+ 0 58.3	1.999	2.816	14.2	20.7

125420 2001 VK_{111} 3 14.8 264°.90 2°.3/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.11	+ 6 35.5	1.989	2.838	12.2	20.1
2 21	11 58.72	+ 7 18.3	1.893	2.816	8.9	19.8
3 2	11 51.22	+ 8 8.9	1.823	2.793	5.2	19.6
3 12	11 42.28	+ 9 1.3	1.781	2.770	2.3	19.3
3 22	11 32.79	+ 9 49.1	1.767	2.747	4.8	19.4
4 1	11 23.80	+10 26.1	1.782	2.723	8.8	19.6
4 11	11 16.26	+10 48.0	1.822	2.698	12.6	19.8
4 21	11 10.84	+10 53.0	1.884	2.673	15.9	20.0

147420 2003 FJ_{130} 3 14.8 346°.74 3°.8/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.56	−12 22.4	2.351	3.133	12.7	20.0
2 21	11 54.31	−12 15.1	2.263	3.132	10.2	19.8
3 2	11 48.47	−11 49.7	2.198	3.131	7.3	19.6
3 12	11 41.63	−11 7.8	2.160	3.131	4.6	19.5
3 22	11 34.49	−10 12.8	2.150	3.130	3.9	19.4
4 1	11 27.84	− 9 9.8	2.168	3.130	6.0	19.5
4 11	11 22.37	− 8 5.2	2.214	3.130	8.9	19.7
4 21	11 18.59	− 7 4.4	2.284	3.129	11.7	19.9

219640 2001 UR_{70} 3 14.8 79°.82 1°.1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.69	− 3 23.3	1.751	2.583	14.3	21.2
2 21	11 56.94	− 2 55.3	1.678	2.588	10.7	21.0
3 2	11 50.12	− 2 10.8	1.629	2.592	6.5	20.7
3 12	11 42.01	− 1 14.5	1.606	2.597	2.1	20.4
3 22	11 33.57	− 0 12.6	1.611	2.601	3.1	20.5
4 1	11 25.88	+ 0 47.6	1.643	2.606	7.5	20.8
4 11	11 19.82	+ 1 39.3	1.701	2.610	11.5	21.0
4 21	11 15.97	+ 2 17.9	1.781	2.615	14.9	21.3

19001 2000 RV_{60} 3 14.9 22°.24 2°.0/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.84	− 3 15.0	1.788	2.612	14.4	17.1
2 21	11 59.99	− 3 32.8	1.709	2.613	10.9	16.8
3 2	11 51.92	− 3 37.2	1.655	2.614	6.9	16.6
3 12	11 42.42	− 3 30.5	1.627	2.615	2.9	16.3
3 22	11 32.53	− 3 16.1	1.627	2.616	3.3	16.4
4 1	11 23.37	− 2 59.0	1.655	2.618	7.4	16.6
4 11	11 15.93	− 2 44.1	1.709	2.620	11.4	16.9
4 21	11 10.82	− 2 35.8	1.786	2.621	14.8	17.1

437679 2014 CH_{21} 3 14.9 53°.52 3°.0/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 57.62	+ 6 20.7	2.008	2.867	11.6	20.1
2 21	11 53.68	+ 8 0.6	1.954	2.883	8.2	19.9
3 2	11 48.09	+ 9 47.9	1.927	2.899	4.8	19.7
3 12	11 41.53	+11 33.9	1.929	2.915	3.0	19.7
3 22	11 34.81	+13 10.5	1.961	2.932	5.3	19.8
4 1	11 28.76	+14 30.7	2.020	2.949	8.6	20.1
4 11	11 24.08	+15 30.3	2.104	2.966	11.7	20.3
4 21	11 21.21	+16 8.4	2.209	2.983	14.4	20.5

86329 1999 XZ_{7} 3 14.9 174°.07 6°.0/17.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 17.04	− 8 21.1	1.330	2.137	19.4	19.3
2 21	12 9.07	− 9 38.0	1.253	2.139	15.5	19.0
3 2	11 57.63	−10 36.3	1.197	2.140	10.9	18.7
3 12	11 43.78	−11 13.3	1.166	2.142	6.9	18.5
3 22	11 29.10	−11 28.8	1.162	2.142	6.5	18.5
4 1	11 15.48	−11 27.1	1.185	2.142	10.3	18.7
4 11	11 4.51	−11 15.7	1.232	2.142	14.8	18.9
4 21	10 57.09	−11 2.9	1.299	2.141	18.9	19.2

102692 1999 VW_{73} 3 14.9 44°.46 0°.3/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 1.95	− 0 16.3	1.297	2.154	16.8	19.4
2 21	11 57.53	+ 0 26.9	1.244	2.168	12.2	19.2
3 2	11 50.57	+ 1 27.4	1.213	2.183	7.0	18.9
3 12	11 42.11	+ 2 37.4	1.206	2.199	1.5	18.6
3 22	11 33.42	+ 3 47.4	1.225	2.215	4.1	18.8
4 1	11 25.84	+ 4 48.1	1.270	2.231	9.3	19.2
4 11	11 20.39	+ 5 32.5	1.338	2.248	13.9	19.5
4 21	11 17.63	+ 5 57.4	1.425	2.265	17.7	19.8

390051 2012 UM_{73} 3 14.9 65°.50 0°.7/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.70	+ 2 12.9	2.157	2.998	11.7	21.4
2 21	11 55.77	+ 2 47.0	2.098	3.016	8.4	21.2
3 2	11 49.24	+ 3 29.7	2.064	3.033	4.8	21.0
3 12	11 41.79	+ 4 16.1	2.059	3.051	1.1	20.8
3 22	11 34.21	+ 5 1.2	2.083	3.069	3.1	20.9
4 1	11 27.31	+ 5 39.8	2.135	3.087	6.7	21.2
4 11	11 21.76	+ 6 8.3	2.214	3.105	10.0	21.4
4 21	11 17.99	+ 6 24.5	2.315	3.124	12.7	21.6

51861 2001 PD 3 14.9 159°.75 1°.0/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.34	+ 4 7.2	2.524	3.359	10.3	19.0
2 21	11 56.84	+ 4 31.5	2.448	3.364	7.5	18.8
3 2	11 49.84	+ 5 2.0	2.399	3.368	4.2	18.6
3 12	11 41.94	+ 5 34.8	2.379	3.371	1.1	18.4
3 22	11 33.82	+ 6 5.6	2.390	3.375	3.1	18.5
4 1	11 26.24	+ 6 30.7	2.430	3.377	6.3	18.8
4 11	11 19.85	+ 6 46.9	2.497	3.380	9.4	19.0
4 21	11 15.08	+ 6 52.6	2.588	3.382	11.9	19.1

428933 2008 WG_{118} 3 14.9 72°.74 5°.8/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.61	−17 13.8	2.088	2.846	14.9	21.2
2 21	11 55.99	−17 25.3	2.007	2.853	12.3	21.0
3 2	11 49.53	−17 14.1	1.948	2.859	9.4	20.9
3 12	11 41.90	−16 40.6	1.913	2.866	6.9	20.7
3 22	11 33.95	−15 47.5	1.906	2.873	5.8	20.7
4 1	11 26.62	−14 40.5	1.925	2.880	7.2	20.7
4 11	11 20.70	−13 27.2	1.972	2.887	9.8	20.9
4 21	11 16.74	−12 14.7	2.042	2.894	12.6	21.1

501458 2014 AU_{46} 3 14.9 74°.13 4°.0/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.26	+11 43.1	2.174	3.035	10.8	21.3
2 21	11 54.81	+13 0.3	2.118	3.044	7.8	21.1
3 2	11 48.74	+14 19.5	2.087	3.053	5.0	20.9
3 12	11 41.70	+15 33.7	2.085	3.063	4.1	20.9
3 22	11 34.49	+16 36.2	2.112	3.072	6.0	21.0
4 1	11 27.91	+17 22.3	2.166	3.081	8.9	21.2
4 11	11 22.66	+17 49.2	2.245	3.091	11.7	21.4
4 21	11 19.19	+17 57.1	2.344	3.100	14.1	21.6

376559 2013 PT_{5} 3 14.9 66°.18 2°.6/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.97	− 5 24.0	1.765	2.584	14.8	20.7
2 21	11 59.26	− 5 34.9	1.699	2.598	11.3	20.5
3 2	11 51.43	− 5 30.0	1.656	2.611	7.3	20.3
3 12	11 42.33	− 5 11.5	1.639	2.625	3.4	20.1
3 22	11 32.96	− 4 43.8	1.650	2.639	3.4	20.1
4 1	11 24.43	− 4 12.3	1.689	2.653	7.2	20.4
4 11	11 17.64	− 3 43.0	1.754	2.667	11.0	20.6
4 21	11 13.13	− 3 20.6	1.841	2.681	14.3	20.9

168455 1999 FM_{1} 3 14.9 251°.90 1°.2/15.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.58	− 1 45.2	1.609	2.443	15.3	20.8
2 21	12 0.90	− 1 42.8	1.522	2.432	11.5	20.5
3 2	11 52.66	− 1 25.7	1.457	2.421	7.0	20.3
3 12	11 42.66	− 0 57.1	1.419	2.410	2.2	19.9
3 22	11 32.04	− 0 22.4	1.408	2.398	3.5	20.0
4 1	11 22.11	+ 0 12.1	1.425	2.386	8.4	20.2
4 11	11 14.05	+ 0 39.8	1.466	2.374	13.0	20.5
4 21	11 8.60	+ 0 56.3	1.528	2.362	17.0	20.7

126832 2002 EO_{62} 3 14.9 111°.99 1°.7/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.67	− 4 30.3	1.952	2.772	13.5	20.2
2 21	11 57.49	− 4 18.4	1.877	2.778	10.2	20.0
3 2	11 50.39	− 3 51.6	1.825	2.784	6.4	19.8
3 12	11 42.10	− 3 13.1	1.801	2.789	2.6	19.6
3 22	11 33.52	− 2 27.7	1.805	2.795	2.9	19.6
4 1	11 25.61	− 1 41.2	1.838	2.800	6.8	19.9
4 11	11 19.21	− 0 59.6	1.896	2.805	10.5	20.1
4 21	11 14.85	− 0 27.2	1.978	2.811	13.7	20.3

423450 2005 SB_{92} 3 14.9 138°.06 0°.6/14.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.91	+ 1 46.8	2.182	3.015	11.8	22.4
2 21	11 58.14	+ 2 20.9	2.114	3.027	8.6	22.2
3 2	11 50.66	+ 3 4.2	2.071	3.038	4.9	22.0
3 12	11 42.15	+ 3 52.0	2.057	3.049	1.1	21.7
3 22	11 33.45	+ 4 39.0	2.072	3.059	3.1	21.9
4 1	11 25.41	+ 5 20.1	2.117	3.069	6.9	22.2
4 11	11 18.78	+ 5 51.2	2.189	3.078	10.2	22.4
4 21	11 14.03	+ 6 10.0	2.284	3.086	13.1	22.6

163435 2002 RF_{83} 3 14.9 44°.81 1°.0/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 58.15	− 4 46.2	1.885	2.714	13.6	19.1
2 21	11 54.22	− 3 54.6	1.815	2.723	10.1	18.9
3 2	11 48.49	− 2 45.5	1.770	2.733	6.2	18.7
3 12	11 41.67	− 1 24.2	1.752	2.742	2.1	18.4
3 22	11 34.62	+ 0 2.2	1.762	2.752	2.8	18.5
4 1	11 28.24	+ 1 25.7	1.800	2.763	6.9	18.8
4 11	11 23.31	+ 2 39.2	1.865	2.773	10.7	19.0
4 21	11 20.31	+ 3 37.9	1.952	2.784	13.9	19.3

50089 2000 AA_{95} 3 14.9 143°.74 3°.1/17.9 18

2 11	12 5.49	− 9 0.4	2.164	2.955	13.4	20.1
2 21	11 59.37	− 8 56.9	2.088	2.967	10.4	19.9
3 2	11 51.41	− 8 36.7	2.035	2.979	7.1	19.7
3 12	11 42.33	− 8 1.8	2.011	2.990	3.9	19.6
3 22	11 33.00	− 7 16.1	2.015	3.000	3.5	19.5
4 1	11 24.32	− 6 25.0	2.049	3.010	6.3	19.7
4 11	11 17.11	− 5 34.6	2.111	3.019	9.6	20.0
4 21	11 11.88	− 4 50.0	2.197	3.027	12.6	20.2

43470 2001 AN_{31} 3 14.9 309°.80 5°.5/10.3 18

2 11	12 4.24	+12 38.0	1.458	2.328	14.5	19.0
2 21	11 59.25	+13 45.2	1.393	2.323	10.7	18.7
3 2	11 51.66	+14 55.5	1.351	2.318	7.0	18.5
3 12	11 42.42	+15 58.6	1.335	2.314	5.6	18.4
3 22	11 32.76	+16 45.1	1.344	2.309	8.1	18.5
4 1	11 24.02	+17 8.5	1.379	2.304	12.1	18.7
4 11	11 17.35	+17 6.4	1.435	2.300	16.0	19.0
4 21	11 13.39	+16 40.2	1.510	2.296	19.4	19.2

488518 2001 PL_{30} 3 14.9 215°.75 3°.0/12.3 17

2 11	12 7.25	+ 7 37.5	1.712	2.564	13.7	21.9
2 21	12 1.18	+ 8 26.8	1.634	2.557	9.9	21.6
3 2	11 52.71	+ 9 23.4	1.580	2.549	5.8	21.4
3 12	11 42.66	+10 19.9	1.553	2.541	3.0	21.2
3 22	11 32.14	+11 8.6	1.555	2.532	5.6	21.3
4 1	11 22.37	+11 42.8	1.584	2.522	9.9	21.5
4 11	11 14.43	+11 58.7	1.638	2.512	13.9	21.8
4 21	11 8.99	+11 55.4	1.712	2.501	17.3	22.0

146170 2000 SK_{275} 3 14.9 170°.75 4°.3/ 8.6 18

2 11	12 1.69	+18 30.2	3.044	3.892	8.4	20.9
2 21	11 56.19	+19 20.7	2.982	3.895	6.4	20.8
3 2	11 49.41	+20 8.1	2.947	3.898	4.7	20.7
3 12	11 41.87	+20 47.7	2.942	3.901	4.5	20.7
3 22	11 34.18	+21 15.6	2.967	3.903	5.8	20.8
4 1	11 26.99	+21 29.2	3.020	3.904	7.8	20.9
4 11	11 20.83	+21 27.8	3.098	3.906	9.8	21.1
4 21	11 16.11	+21 11.9	3.198	3.906	11.6	21.2

510400 2011 UF_{132} 3 14.9 175°.70 0°.4/14.3 17

2 11	11 59.36	+ 2 8.8	3.237	4.064	8.5	22.4
2 21	11 54.45	+ 2 36.7	3.155	4.066	6.2	22.2
3 2	11 48.39	+ 3 10.8	3.101	4.068	3.5	22.0
3 12	11 41.64	+ 3 47.9	3.076	4.069	0.8	21.8
3 22	11 34.72	+ 4 24.7	3.083	4.070	2.3	21.9
4 1	11 28.18	+ 4 58.1	3.120	4.070	5.0	22.1
4 11	11 22.51	+ 5 25.0	3.186	4.070	7.5	22.3
4 21	11 18.07	+ 5 43.8	3.276	4.070	9.7	22.5

315534 2008 BH_{5} 3 14.9 337°.70 2°.4/16.6 18

2 11	12 4.38	− 4 9.0	1.504	2.338	16.2	20.6
2 21	11 59.33	− 4 19.1	1.426	2.334	12.3	20.3
3 2	11 51.74	− 4 11.9	1.370	2.331	7.9	20.1
3 12	11 42.46	− 3 50.1	1.339	2.328	3.4	19.8
3 22	11 32.66	− 3 18.5	1.335	2.325	3.7	19.8
4 1	11 23.66	− 2 43.6	1.357	2.322	8.3	20.1
4 11	11 16.60	− 2 12.6	1.403	2.320	12.8	20.3
4 21	11 12.19	− 1 50.9	1.470	2.318	16.8	20.6

431606 2007 VL_{233} 3 14.9 186°.71 4°.7/ 9.5 17

2 11	12 2.05	+15 43.6	2.317	3.173	10.4	21.0
2 21	11 56.81	+16 39.3	2.252	3.173	7.7	20.8
3 2	11 49.90	+17 33.6	2.213	3.173	5.4	20.7
3 12	11 42.00	+18 20.4	2.203	3.172	4.8	20.6
3 22	11 33.88	+18 54.1	2.222	3.172	6.5	20.7
4 1	11 26.37	+19 11.3	2.267	3.171	9.1	20.9
4 11	11 20.19	+19 10.4	2.337	3.170	11.7	21.1
4 21	11 15.82	+18 52.2	2.428	3.170	14.1	21.2

299530 2006 DB_{26} 3 14.9 8°.64 1°.6/15.3 18

2 11	12 21.95	+ 4 1.9	1.172	2.014	19.3	19.5
2 21	12 12.87	+ 2 23.8	1.100	2.015	14.5	19.2
3 2	11 59.91	+ 0 47.5	1.050	2.016	8.8	18.9
3 12	11 44.35	− 0 45.9	1.027	2.018	2.7	18.6
3 22	11 28.09	− 2 14.5	1.032	2.021	4.7	18.7
4 1	11 13.30	− 3 36.9	1.064	2.025	10.7	19.0
4 11	11 1.68	− 4 53.8	1.121	2.030	16.1	19.4
4 21	10 54.07	− 6 7.1	1.198	2.035	20.5	19.7

411754 2012 BA_{109} 3 14.9 149°.56 1°.6/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.97	+ 4 22.9	1.857	2.702	13.0	21.7
2 21	11 59.21	+ 5 5.6	1.789	2.709	9.4	21.5
3 2	11 51.40	+ 5 57.1	1.746	2.716	5.3	21.2
3 12	11 42.35	+ 6 51.2	1.730	2.722	1.8	21.0
3 22	11 33.04	+ 7 41.3	1.744	2.727	4.2	21.2
4 1	11 24.49	+ 8 21.5	1.785	2.732	8.3	21.4
4 11	11 17.61	+ 8 47.4	1.853	2.737	12.0	21.7
4 21	11 12.91	+ 8 57.5	1.941	2.741	15.2	21.9

159669 2002 GY_{73} 3 14.9 80°.82 2°.9/11.9 18

2 11	12 1.42	+ 7 24.4	1.871	2.728	12.4	19.8
2 21	11 56.63	+ 8 23.4	1.806	2.732	8.9	19.6
3 2	11 49.91	+ 9 28.9	1.766	2.737	5.2	19.4
3 12	11 42.02	+10 33.8	1.754	2.742	2.9	19.2
3 22	11 33.88	+11 30.9	1.771	2.747	5.2	19.4
4 1	11 26.46	+12 14.1	1.814	2.752	8.9	19.6
4 11	11 20.60	+12 40.0	1.883	2.756	12.4	19.8
4 21	11 16.81	+12 47.4	1.972	2.761	15.3	20.0

166615 2002 RZ_{268} 3 14.9 158°.22 0°.3/15.2 17

2 11	12 1.04	− 0 54.3	2.184	3.014	11.9	21.3
2 21	11 56.16	− 0 26.9	2.105	3.015	8.8	21.1
3 2	11 49.58	+ 0 11.9	2.052	3.017	5.2	20.9
3 12	11 41.94	+ 0 58.2	2.027	3.019	1.3	20.6
3 22	11 34.04	+ 1 46.9	2.031	3.020	2.7	20.7
4 1	11 26.70	+ 2 32.7	2.063	3.021	6.5	21.0
4 11	11 20.68	+ 3 10.8	2.123	3.022	10.0	21.2
4 21	11 16.47	+ 3 37.9	2.205	3.023	13.0	21.4

355832 2008 TX_{183} 3 14.9 160°.81 3°.3/17.8 18

2 11	12 5.54	− 9 2.6	1.721	2.525	15.7	21.8
2 21	11 59.87	− 8 50.5	1.643	2.531	12.2	21.6
3 2	11 51.91	− 8 16.9	1.588	2.536	8.2	21.4
3 12	11 42.50	− 7 24.6	1.559	2.541	4.4	21.2
3 22	11 32.69	− 6 18.9	1.558	2.545	3.9	21.2
4 1	11 23.66	− 5 7.6	1.584	2.548	7.5	21.4
4 11	11 16.42	− 3 59.1	1.637	2.551	11.6	21.6
4 21	11 11.58	− 3 0.2	1.712	2.553	15.2	21.8

393841 2005 SA_{121} 3 14.9 130°.53 2°.2/16.7 18

2 11	12 5.87	− 6 12.1	1.590	2.411	16.1	21.5
2 21	12 0.15	− 5 46.6	1.523	2.423	12.2	21.3
3 2	11 52.06	− 5 0.5	1.477	2.435	7.7	21.0
3 12	11 42.52	− 3 58.2	1.458	2.446	3.3	20.8
3 22	11 32.67	− 2 46.7	1.467	2.456	3.4	20.8
4 1	11 23.74	− 1 34.6	1.503	2.466	7.9	21.1
4 11	11 16.74	− 0 30.3	1.564	2.476	12.2	21.4
4 21	11 12.26	+ 0 20.7	1.648	2.484	15.8	21.6

127704 2003 EZ_{25} 3 14.9 279°.81 1°.7/13.2 17

2 11	12 1.06	+ 3 41.9	1.770	2.623	13.2	19.8
2 21	11 56.56	+ 4 36.8	1.693	2.618	9.6	19.6
3 2	11 49.98	+ 5 43.1	1.642	2.613	5.4	19.3
3 12	11 42.06	+ 6 53.8	1.617	2.608	1.8	19.0
3 22	11 33.76	+ 8 1.2	1.620	2.603	4.5	19.2
4 1	11 26.14	+ 8 58.1	1.650	2.599	8.7	19.5
4 11	11 20.11	+ 9 38.9	1.705	2.594	12.7	19.7
4 21	11 16.26	+10 1.3	1.781	2.589	16.0	19.9

246350 2007 TD_{311} 3 14.9 261°.02 0°.1/14.8 16

2 11	12 4.52	− 0 10.2	1.690	2.529	14.4	21.9
2 21	11 59.39	+ 0 23.7	1.594	2.510	10.7	21.6
3 2	11 51.81	+ 1 13.1	1.522	2.490	6.3	21.3
3 12	11 42.53	+ 2 13.2	1.476	2.469	1.4	20.9
3 22	11 32.56	+ 3 16.9	1.459	2.448	3.7	21.0
4 1	11 23.14	+ 4 16.4	1.469	2.426	8.7	21.3
4 11	11 15.41	+ 5 4.2	1.504	2.404	13.3	21.5
4 21	11 10.14	+ 5 36.0	1.560	2.381	17.3	21.7

36423 2000 PJ_{2} 3 14.9 234°.79 3°.5/11.6 18

2 11	12 4.62	+ 8 2.0	1.735	2.591	13.3	19.1
2 21	11 59.29	+ 9 9.9	1.654	2.580	9.6	18.9
3 2	11 51.65	+10 26.1	1.598	2.568	5.8	18.6
3 12	11 42.47	+11 42.4	1.570	2.556	3.5	18.5
3 22	11 32.79	+12 50.0	1.570	2.543	6.1	18.6
4 1	11 23.78	+13 41.4	1.596	2.530	10.2	18.8
4 11	11 16.48	+14 12.1	1.647	2.516	14.1	19.0
4 21	11 11.58	+14 20.8	1.718	2.501	17.5	19.2

208255 2000 VE_{53} 3 14.9 150°.24 0°.6/15.5 18

2 11	12 6.48	− 1 47.0	2.033	2.854	13.0	21.0
2 21	12 0.15	− 1 22.0	1.961	2.865	9.7	20.8
3 2	11 51.91	− 0 44.3	1.913	2.876	5.8	20.6
3 12	11 42.49	+ 0 1.9	1.894	2.885	1.6	20.3
3 22	11 32.82	+ 0 51.4	1.905	2.894	2.9	20.4
4 1	11 23.88	+ 1 38.2	1.945	2.902	6.9	20.7
4 11	11 16.50	+ 2 17.2	2.012	2.909	10.6	20.9
4 21	11 11.21	+ 2 45.0	2.103	2.916	13.7	21.1

334649 2002 XM_{17} 3 14.9 107°.55 4°.0/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 1.95	−13 12.1	2.487	3.255	12.5	21.1
2 21	11 56.62	−13 16.4	2.412	3.271	10.0	20.9
3 2	11 49.77	−13 3.7	2.362	3.288	7.3	20.8
3 12	11 42.00	−12 35.2	2.338	3.304	4.8	20.7
3 22	11 34.03	−11 54.0	2.343	3.319	4.1	20.6
4 1	11 26.63	−11 4.5	2.377	3.335	5.8	20.8
4 11	11 20.45	−10 12.3	2.439	3.350	8.4	20.9
4 21	11 15.95	− 9 22.4	2.526	3.364	10.9	21.1

114928 2003 QB_{43} 3 14.9 83°.18 1°.8/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.28	+ 5 19.0	2.060	2.906	11.9	20.2
2 21	11 57.65	+ 6 5.8	2.010	2.931	8.5	20.0
3 2	11 50.35	+ 6 59.0	1.986	2.956	4.8	19.9
3 12	11 42.11	+ 7 52.5	1.990	2.981	1.9	19.7
3 22	11 33.81	+ 8 40.5	2.024	3.005	4.0	19.9
4 1	11 26.29	+ 9 18.3	2.087	3.030	7.5	20.1
4 11	11 20.27	+ 9 42.5	2.175	3.054	10.7	20.4
4 21	11 16.17	+ 9 52.2	2.285	3.077	13.4	20.6

206613 2003 WO_{100} 3 14.9 40°.74 4°.5/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.91	− 7 54.8	1.540	2.349	17.1	19.9
2 21	12 2.90	− 8 49.1	1.493	2.381	13.2	19.7
3 2	11 53.53	− 9 24.3	1.469	2.414	9.1	19.6
3 12	11 42.84	− 9 40.6	1.470	2.448	5.4	19.4
3 22	11 32.09	− 9 41.0	1.499	2.482	4.9	19.5
4 1	11 22.53	− 9 30.7	1.555	2.516	7.9	19.7
4 11	11 15.13	− 9 16.1	1.636	2.550	11.5	20.0
4 21	11 10.38	− 9 2.9	1.739	2.585	14.7	20.3

66902 1999 VK_{144} 3 14.9 191°.34 0°.1/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.47	+ 0 35.7	2.243	3.074	11.6	19.8
2 21	11 57.18	+ 1 1.8	2.161	3.073	8.5	19.6
3 2	11 50.19	+ 1 38.0	2.105	3.072	5.0	19.4
3 12	11 42.12	+ 2 20.1	2.078	3.070	1.1	19.1
3 22	11 33.75	+ 3 3.4	2.080	3.068	2.8	19.2
4 1	11 25.94	+ 3 42.9	2.111	3.066	6.6	19.5
4 11	11 19.43	+ 4 14.1	2.169	3.063	10.1	19.7
4 21	11 14.73	+ 4 34.3	2.250	3.060	13.0	19.9

428704 2008 QT_{42} 3 14.9 142°.80 0°.2/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.92	− 0 41.9	2.218	3.046	11.8	22.2
2 21	11 56.75	− 0 12.3	2.143	3.053	8.7	22.0
3 2	11 49.91	+ 0 28.3	2.094	3.059	5.1	21.8
3 12	11 42.05	+ 1 15.8	2.073	3.065	1.2	21.5
3 22	11 33.95	+ 2 5.3	2.081	3.071	2.7	21.6
4 1	11 26.44	+ 2 51.4	2.119	3.076	6.5	21.9
4 11	11 20.26	+ 3 29.5	2.184	3.081	9.9	22.1
4 21	11 15.88	+ 3 56.6	2.272	3.086	12.8	22.3

161997 1987 AN 3 14.9 173°.40 1°.0/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.50	+ 1 57.0	1.936	2.774	12.9	20.9
2 21	11 58.86	+ 2 48.1	1.861	2.778	9.4	20.7
3 2	11 51.23	+ 3 50.6	1.812	2.781	5.3	20.4
3 12	11 42.36	+ 4 58.6	1.790	2.783	1.3	20.2
3 22	11 33.17	+ 6 5.1	1.798	2.784	3.7	20.3
4 1	11 24.67	+ 7 3.3	1.835	2.785	7.9	20.6
4 11	11 17.74	+ 7 48.0	1.898	2.785	11.7	20.8
4 21	11 12.92	+ 8 16.6	1.983	2.784	14.8	21.0

190088 2004 TU_{133} 3 14.9 222°.46 2°.7/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.75	+ 8 25.8	2.230	3.079	11.0	20.4
2 21	11 57.44	+ 9 15.4	2.149	3.071	8.0	20.2
3 2	11 50.37	+10 10.0	2.094	3.063	4.7	19.9
3 12	11 42.17	+11 3.7	2.068	3.055	2.7	19.8
3 22	11 33.64	+11 50.8	2.072	3.046	4.8	19.9
4 1	11 25.65	+12 26.2	2.104	3.036	8.1	20.1
4 11	11 18.99	+12 46.7	2.161	3.027	11.3	20.3
4 21	11 14.19	+12 51.1	2.241	3.016	14.1	20.5

152708 1998 SU_{81} 3 14.9 231°.56 0°.4/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.22	− 1 6.6	1.667	2.501	14.8	20.7
2 21	12 0.59	− 0 41.7	1.578	2.490	11.1	20.5
3 2	11 52.48	− 0 1.3	1.514	2.479	6.6	20.2
3 12	11 42.70	+ 0 50.1	1.475	2.467	1.7	19.8
3 22	11 32.32	+ 1 46.0	1.465	2.455	3.5	19.9
4 1	11 22.60	+ 2 38.8	1.483	2.442	8.5	20.2
4 11	11 14.67	+ 3 21.6	1.526	2.428	13.0	20.4
4 21	11 9.26	+ 3 50.0	1.590	2.414	16.9	20.6

425888 2011 FH_{41} 3 14.9 92°.59 4°.5/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.62	+12 18.7	1.858	2.720	12.3	21.1
2 21	11 57.53	+13 25.0	1.799	2.725	8.9	20.9
3 2	11 50.45	+14 33.1	1.765	2.731	5.8	20.7
3 12	11 42.19	+15 35.0	1.759	2.737	4.6	20.6
3 22	11 33.69	+16 23.7	1.780	2.742	6.7	20.7
4 1	11 25.98	+16 53.9	1.828	2.748	10.0	21.0
4 11	11 19.89	+17 3.6	1.900	2.754	13.2	21.2
4 21	11 15.94	+16 53.2	1.992	2.759	15.9	21.4

401125 2011 UF_{293} 3 14.9 144°.71 4°.1/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 6.01	+10 16.4	1.696	2.554	13.4	21.5
2 21	12 0.13	+11 20.3	1.636	2.561	9.7	21.2
3 2	11 52.02	+12 28.3	1.600	2.568	6.0	21.0
3 12	11 42.55	+13 31.8	1.592	2.575	4.1	20.9
3 22	11 32.82	+14 22.9	1.612	2.581	6.5	21.1
4 1	11 23.99	+14 55.8	1.658	2.586	10.3	21.3
4 11	11 17.02	+15 7.7	1.729	2.591	13.8	21.5
4 21	11 12.46	+14 59.2	1.819	2.596	16.9	21.8

204372 2004 TG_{79} 3 14.9 194°.65 0°.1/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.13	− 0 3.7	1.890	2.721	13.5	21.3
2 21	12 0.17	+ 0 26.5	1.808	2.719	9.9	21.1
3 2	11 52.06	+ 1 9.4	1.750	2.716	5.8	20.8
3 12	11 42.58	+ 2 0.4	1.720	2.713	1.3	20.5
3 22	11 32.68	+ 2 53.4	1.720	2.709	3.3	20.7
4 1	11 23.46	+ 3 41.9	1.748	2.704	7.7	20.9
4 11	11 15.86	+ 4 20.4	1.802	2.698	11.7	21.1
4 21	11 10.49	+ 4 45.5	1.879	2.691	15.1	21.4

67007 1999 XM_{121} 3 14.9 148°.13 2°.0/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.71	− 6 21.2	2.228	3.036	12.5	20.3
2 21	11 56.64	− 6 5.0	2.148	3.041	9.5	20.1
3 2	11 49.88	− 5 33.9	2.093	3.046	6.2	19.9
3 12	11 42.07	− 4 50.6	2.065	3.051	2.9	19.7
3 22	11 33.99	− 3 59.7	2.067	3.055	2.8	19.7
4 1	11 26.49	− 3 6.5	2.097	3.060	6.1	19.9
4 11	11 20.29	− 2 16.6	2.155	3.063	9.4	20.1
4 21	11 15.89	− 1 34.5	2.236	3.067	12.4	20.3

199265 2006 BT_{15} 3 14.9 227°.85 0°.5/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.04	− 1 36.0	2.159	2.985	12.2	21.4
2 21	11 57.01	− 1 8.3	2.070	2.978	9.0	21.2
3 2	11 50.17	− 0 28.1	2.006	2.970	5.4	20.9
3 12	11 42.16	+ 0 20.9	1.970	2.961	1.5	20.6
3 22	11 33.77	+ 1 13.5	1.963	2.953	2.8	20.7
4 1	11 25.90	+ 2 4.1	1.985	2.944	6.7	20.9
4 11	11 19.35	+ 2 47.3	2.034	2.934	10.4	21.1
4 21	11 14.68	+ 3 19.4	2.106	2.925	13.5	21.3

406893 2009 DD_{59} 3 14.9 71°.70 0°.2/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 11.81	+ 2 35.6	1.405	2.249	16.5	20.9
2 21	12 4.51	+ 2 26.9	1.353	2.271	12.0	20.7
3 2	11 54.57	+ 2 28.4	1.324	2.292	7.0	20.4
3 12	11 43.13	+ 2 35.6	1.322	2.314	1.5	20.1
3 22	11 31.58	+ 2 43.3	1.347	2.336	3.9	20.3
4 1	11 21.33	+ 2 46.3	1.399	2.357	8.9	20.7
4 11	11 13.45	+ 2 40.8	1.475	2.379	13.3	21.0
4 21	11 8.47	+ 2 25.0	1.573	2.400	16.9	21.3

414462 2009 HB_{46} 3 14.9 356°.10 3°.7/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.13	+ 8 32.5	1.144	2.024	16.9	20.2
2 21	11 58.94	+ 9 1.7	1.082	2.019	12.3	19.9
3 2	11 51.72	+ 9 37.7	1.041	2.015	7.3	19.6
3 12	11 42.55	+10 11.8	1.024	2.013	3.8	19.4
3 22	11 32.89	+10 34.8	1.030	2.012	6.8	19.6
4 1	11 24.35	+10 39.8	1.060	2.012	11.9	19.9
4 11	11 18.26	+10 23.5	1.110	2.013	16.7	20.1
4 21	11 15.30	+ 9 46.4	1.178	2.015	20.8	20.4

366875 2005 SW_{207} 3 14.9 137°.07 5°.8/21.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.16	−17 15.3	2.183	2.932	14.6	21.7
2 21	11 58.53	−17 30.8	2.103	2.943	12.0	21.6
3 2	11 51.02	−17 24.7	2.045	2.953	9.2	21.4
3 12	11 42.35	−16 56.9	2.012	2.963	6.8	21.3
3 22	11 33.37	−16 10.2	2.007	2.973	5.8	21.2
4 1	11 25.01	−15 9.6	2.031	2.982	7.1	21.3
4 11	11 18.11	−14 2.4	2.081	2.990	9.7	21.5
4 21	11 13.19	−12 55.4	2.155	2.998	12.4	21.7

49752 1999 VP_{169} 3 14.9 353°.58 1°.8/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.48	+ 3 58.5	1.215	2.080	17.1	19.2
2 21	12 0.54	+ 4 27.6	1.149	2.079	12.5	18.9
3 2	11 52.63	+ 5 9.7	1.105	2.078	7.2	18.6
3 12	11 42.76	+ 5 57.0	1.085	2.077	2.0	18.3
3 22	11 32.38	+ 6 40.4	1.089	2.076	5.3	18.5
4 1	11 23.08	+ 7 11.7	1.119	2.076	10.8	18.8
4 11	11 16.17	+ 7 25.1	1.170	2.076	15.8	19.1
4 21	11 12.37	+ 7 18.7	1.240	2.077	20.0	19.4

381239 2007 TJ_{43} 3 14.9 57°.85 4°.7/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.84	+14 53.9	2.063	2.922	11.4	20.6
2 21	11 57.50	+15 43.8	2.007	2.930	8.4	20.4
3 2	11 50.36	+16 32.4	1.976	2.938	5.7	20.3
3 12	11 42.18	+17 12.9	1.973	2.946	4.8	20.2
3 22	11 33.84	+17 40.0	1.998	2.954	6.6	20.4
4 1	11 26.25	+17 50.0	2.050	2.963	9.5	20.5
4 11	11 20.17	+17 41.7	2.126	2.971	12.3	20.7
4 21	11 16.05	+17 16.2	2.223	2.980	14.8	20.9

167475 2003 YW_{44} 3 14.9 169°.53 5°.0/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 1.69	−14 20.5	2.207	2.977	13.8	19.6
2 21	11 56.76	−14 38.6	2.120	2.977	11.3	19.4
3 2	11 50.04	−14 37.5	2.055	2.977	8.4	19.2
3 12	11 42.14	−14 17.6	2.016	2.977	5.9	19.1
3 22	11 33.88	−13 41.2	2.004	2.977	5.1	19.0
4 1	11 26.14	−12 53.0	2.021	2.977	6.8	19.1
4 11	11 19.74	−11 59.2	2.064	2.977	9.5	19.3
4 21	11 15.21	−11 6.1	2.131	2.977	12.3	19.4

330407 2007 BY_{28} 3 14.9 330°.77 0°.5/15.4 17

2 11	12 0.97	− 1 55.2	1.654	2.495	14.6	20.8
2 21	11 56.64	− 1 23.5	1.576	2.492	10.8	20.6
3 2	11 50.12	− 0 35.4	1.522	2.488	6.5	20.3
3 12	11 42.18	+ 0 24.1	1.493	2.485	1.8	20.0
3 22	11 33.81	+ 1 28.1	1.491	2.481	3.3	20.1
4 1	11 26.16	+ 2 28.8	1.517	2.479	8.0	20.3
4 11	11 20.18	+ 3 19.1	1.567	2.476	12.3	20.6
4 21	11 16.51	+ 3 54.5	1.638	2.473	16.0	20.8

102118 1999 RX_{170} 3 14.9 98°.00 1°.1/13.7 18

2 11	12 2.42	+ 0 6.2	1.667	2.512	14.3	19.9
2 21	11 57.46	+ 1 30.7	1.611	2.531	10.3	19.7
3 2	11 50.44	+ 3 10.2	1.579	2.549	5.8	19.5
3 12	11 42.22	+ 4 56.2	1.575	2.568	1.4	19.2
3 22	11 33.82	+ 6 38.8	1.600	2.586	4.1	19.5
4 1	11 26.30	+ 8 8.8	1.653	2.603	8.5	19.8
4 11	11 20.53	+ 9 19.8	1.731	2.620	12.4	20.0
4 21	11 17.00	+10 9.1	1.830	2.637	15.7	20.3

123144 2000 TY_{19} 3 14.9 113°.44 3°.5/10.9 18

2 11	12 2.76	+ 9 50.0	2.130	2.983	11.3	20.5
2 21	11 57.34	+11 3.2	2.077	3.001	8.1	20.3
3 2	11 50.24	+12 19.6	2.051	3.019	4.9	20.2
3 12	11 42.17	+13 32.0	2.054	3.036	3.5	20.1
3 22	11 33.97	+14 33.9	2.086	3.052	5.5	20.3
4 1	11 26.49	+15 20.2	2.146	3.068	8.6	20.5
4 11	11 20.46	+15 48.4	2.231	3.084	11.5	20.7
4 21	11 16.30	+15 58.3	2.338	3.099	14.0	20.9

212146 2005 ES_{280} 3 14.9 267°.53 2°.7/12.8 17

2 11	12 8.63	+ 8 3.4	1.784	2.632	13.4	20.1
2 21	12 2.35	+ 8 27.6	1.688	2.610	9.8	19.9
3 2	11 53.56	+ 8 57.3	1.617	2.587	5.8	19.6
3 12	11 43.01	+ 9 26.7	1.574	2.563	2.7	19.3
3 22	11 31.78	+ 9 49.3	1.559	2.539	5.2	19.4
4 1	11 21.12	+ 9 59.7	1.572	2.514	9.6	19.6
4 11	11 12.20	+ 9 54.4	1.610	2.489	13.8	19.8
4 21	11 5.77	+ 9 32.6	1.669	2.464	17.5	20.0

13705 Llapasset 3 14.9 159°.28 2°.2/12.9 18

2 11	12 5.35	+ 4 5.3	1.620	2.471	14.4	18.4
2 21	11 59.79	+ 5 10.2	1.553	2.477	10.4	18.2
3 2	11 51.92	+ 6 26.7	1.511	2.482	5.9	17.9
3 12	11 42.59	+ 7 46.6	1.496	2.486	2.2	17.7
3 22	11 32.94	+ 9 0.9	1.508	2.490	5.0	17.9
4 1	11 24.14	+10 1.7	1.549	2.494	9.5	18.2
4 11	11 17.22	+10 43.6	1.613	2.496	13.6	18.4
4 21	11 12.77	+11 4.7	1.698	2.498	17.0	18.6

452702 2005 YH_{79} 3 14.9 349°.78 2°.6/16.7 16

2 11	12 3.16	− 4 56.2	1.246	2.090	18.2	21.4
2 21	11 58.87	− 4 58.0	1.174	2.087	13.9	21.1
3 2	11 51.70	− 4 37.8	1.122	2.084	8.9	20.8
3 12	11 42.59	− 3 58.7	1.093	2.082	3.8	20.5
3 22	11 32.89	− 3 7.4	1.090	2.080	4.1	20.5
4 1	11 24.13	− 2 12.9	1.110	2.079	9.3	20.8
4 11	11 17.62	− 1 24.8	1.154	2.078	14.3	21.1
4 21	11 14.11	− 0 49.8	1.217	2.078	18.7	21.4

56757 2000 OQ_{17} 3 14.9 277°.96 2°.3/12.7 18

2 11	12 2.06	+ 5 10.2	1.851	2.703	12.8	19.1
2 21	11 57.43	+ 6 6.9	1.756	2.681	9.3	18.9
3 2	11 50.63	+ 7 14.4	1.687	2.658	5.4	18.6
3 12	11 42.34	+ 8 26.2	1.644	2.635	2.3	18.3
3 22	11 33.47	+ 9 34.5	1.630	2.611	4.9	18.5
4 1	11 25.09	+10 31.7	1.644	2.587	9.2	18.7
4 11	11 18.22	+11 12.3	1.682	2.563	13.2	18.8
4 21	11 13.54	+11 33.4	1.741	2.539	16.7	19.0

3624 Mironov 3 14.9 104°.55 0°.6/14.4 18

2 11	12 6.65	+ 1 40.7	1.578	2.422	15.0	17.7
2 21	12 0.70	+ 2 7.6	1.516	2.435	10.9	17.5
3 2	11 52.41	+ 2 46.5	1.478	2.447	6.3	17.3
3 12	11 42.70	+ 3 31.6	1.467	2.460	1.4	17.0
3 22	11 32.75	+ 4 16.0	1.483	2.471	3.8	17.2
4 1	11 23.77	+ 4 53.0	1.527	2.483	8.6	17.5
4 11	11 16.75	+ 5 17.5	1.596	2.495	12.7	17.8
4 21	11 12.26	+ 5 27.1	1.685	2.506	16.2	18.0

277423 2005 UC_{314} 3 14.9 208°.67 11°.5/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 16.20	+34 2.5	1.910	2.730	13.8	21.6
2 21	12 7.78	+35 33.4	1.858	2.723	12.2	21.5
3 2	11 56.58	+36 46.4	1.830	2.715	11.5	21.4
3 12	11 43.66	+37 30.6	1.827	2.706	12.0	21.4
3 22	11 30.44	+37 39.5	1.849	2.696	13.5	21.5
4 1	11 18.39	+37 11.6	1.893	2.685	15.5	21.6
4 11	11 8.68	+36 10.8	1.957	2.673	17.6	21.7
4 21	11 1.96	+34 43.7	2.037	2.660	19.5	21.9

327280 2005 SC_{280} 3 14.9 175°.68 6°.2/ 8.5 18

2 11	12 7.14	+20 0.7	2.156	3.007	11.3	21.4
2 21	12 0.65	+21 0.5	2.096	3.009	8.7	21.2
3 2	11 52.23	+21 55.0	2.063	3.010	6.7	21.1
3 12	11 42.66	+22 37.0	2.057	3.012	6.3	21.0
3 22	11 32.89	+23 0.9	2.079	3.012	8.0	21.1
4 1	11 23.89	+23 3.5	2.129	3.012	10.6	21.3
4 11	11 16.48	+22 44.8	2.202	3.012	13.1	21.5
4 21	11 11.19	+22 7.0	2.295	3.011	15.4	21.6

404381 2013 GG_{38} 3 14.9 39°.47 4°.0/12.2 18

2 11	12 6.77	+ 9 32.9	1.314	2.182	15.9	20.6
2 21	12 1.20	+10 10.8	1.257	2.188	11.6	20.3
3 2	11 52.86	+10 53.5	1.223	2.194	6.9	20.1
3 12	11 42.83	+11 32.2	1.213	2.200	4.0	19.9
3 22	11 32.50	+11 58.5	1.230	2.207	6.7	20.1
4 1	11 23.34	+12 6.8	1.271	2.214	11.3	20.3
4 11	11 16.49	+11 54.4	1.335	2.222	15.6	20.6
4 21	11 12.57	+11 22.6	1.417	2.229	19.2	20.9

496706 2016 EB_{169} 3 14.9 143°.59 1°.4/16.5 16

2 11	12 1.96	− 5 48.9	2.099	2.911	13.0	22.0
2 21	11 56.89	− 5 6.0	2.023	2.921	9.8	21.8
3 2	11 50.07	− 4 6.5	1.973	2.930	6.1	21.6
3 12	11 42.18	− 2 54.6	1.950	2.938	2.4	21.4
3 22	11 34.04	− 1 36.5	1.956	2.946	2.7	21.4
4 1	11 26.54	− 0 19.0	1.992	2.954	6.4	21.6
4 11	11 20.43	+ 0 51.1	2.056	2.961	10.0	21.9
4 21	11 16.21	+ 1 49.3	2.143	2.967	13.1	22.1

243247 2007 VW_{265} 3 14.9 52°.39 4°.1/10.3 17

2 11	12 1.43	+13 10.9	2.165	3.024	10.9	20.2
2 21	11 56.48	+14 4.8	2.102	3.027	8.0	20.0
3 2	11 49.81	+14 59.3	2.065	3.030	5.2	19.8
3 12	11 42.12	+15 47.9	2.056	3.033	4.2	19.8
3 22	11 34.22	+16 25.0	2.075	3.036	6.0	19.9
4 1	11 26.96	+16 46.5	2.121	3.039	9.0	20.1
4 11	11 21.09	+16 50.5	2.193	3.042	11.8	20.2
4 21	11 17.07	+16 37.2	2.284	3.045	14.3	20.4

471365 2011 SC_{42} 3 14.9 249°.08 1°.5/16.5 17

2 11	12 2.09	− 3 44.6	2.396	3.210	11.6	21.5
2 21	11 56.90	− 3 44.4	2.306	3.204	8.7	21.3
3 2	11 50.07	− 3 32.8	2.242	3.199	5.5	21.1
3 12	11 42.19	− 3 12.1	2.206	3.194	2.3	20.9
3 22	11 33.99	− 2 45.6	2.199	3.188	2.6	20.9
4 1	11 26.26	− 2 17.5	2.222	3.183	5.9	21.1
4 11	11 19.72	− 1 51.9	2.272	3.177	9.2	21.3
4 21	11 14.89	− 1 32.4	2.346	3.172	12.0	21.5

65426 2002 TS_{135} 3 14.9 209°.29 3°.6/11.1 18

2 11	12 3.14	+ 9 12.3	1.984	2.839	11.9	20.0
2 21	11 57.94	+10 25.6	1.909	2.834	8.6	19.8
3 2	11 50.78	+11 44.8	1.860	2.828	5.3	19.5
3 12	11 42.37	+13 2.3	1.839	2.822	3.6	19.4
3 22	11 33.59	+14 10.3	1.847	2.815	5.9	19.5
4 1	11 25.43	+15 2.6	1.883	2.808	9.4	19.7
4 11	11 18.78	+15 35.3	1.943	2.801	12.8	19.9
4 21	11 14.18	+15 47.7	2.024	2.793	15.7	20.1

376743 1999 TV_{252} 3 14.9 225°.16 2°.4/12.4 17

2 11	12 4.03	+ 8 5.5	2.247	3.092	11.1	21.1
2 21	11 58.40	+ 8 42.1	2.164	3.084	8.0	20.9
3 2	11 50.97	+ 9 23.3	2.107	3.076	4.7	20.7
3 12	11 42.40	+10 3.8	2.079	3.067	2.4	20.5
3 22	11 33.50	+10 38.5	2.081	3.057	4.5	20.6
4 1	11 25.14	+11 2.7	2.111	3.048	7.9	20.8
4 11	11 18.13	+11 13.6	2.168	3.037	11.1	21.0
4 21	11 12.98	+11 10.0	2.246	3.027	13.9	21.2

490318 2009 BE_{67} 3 14.9 55°.45 2°.1/16.9 17

2 11	12 1.99	− 5 25.2	1.966	2.784	13.6	21.0
2 21	11 56.95	− 5 19.9	1.902	2.800	10.3	20.8
3 2	11 50.11	− 4 59.4	1.861	2.817	6.6	20.6
3 12	11 42.19	− 4 27.0	1.848	2.834	2.9	20.4
3 22	11 34.09	− 3 47.1	1.862	2.852	3.0	20.4
4 1	11 26.71	− 3 5.3	1.905	2.869	6.5	20.7
4 11	11 20.83	− 2 27.2	1.974	2.887	10.0	20.9
4 21	11 16.92	− 1 56.9	2.067	2.904	13.0	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
92681 2000 QK_{67}			3 14.9 116°.71		3°.1/12.3 18	
	h m	° ′			°	m
2 11	12 8.06	+10 17.0	1.941	2.790	12.4	19.3
2 21	12 1.37	+10 39.6	1.878	2.799	9.0	19.1
3 2	11 52.67	+11 3.9	1.840	2.808	5.4	18.9
3 12	11 42.78	+11 24.6	1.830	2.816	3.1	18.8
3 22	11 32.70	+11 36.4	1.850	2.825	5.1	18.9
4 1	11 23.47	+11 35.9	1.897	2.833	8.7	19.1
4 11	11 15.95	+11 21.3	1.971	2.841	12.1	19.4
4 21	11 10.65	+10 53.0	2.066	2.849	14.9	19.6
119569 2001 VD_{82}			3 14.9 49°.81		8°.0/22.5 18	
2 11	12 2.41	−19 51.2	1.675	2.432	18.1	19.2
2 21	11 57.76	−20 25.5	1.605	2.444	15.2	19.0
3 2	11 50.80	−20 31.3	1.554	2.456	12.1	18.8
3 12	11 42.39	−20 7.4	1.526	2.468	9.3	18.7
3 22	11 33.59	−19 16.3	1.522	2.481	8.0	18.6
4 1	11 25.61	−18 4.7	1.544	2.494	9.0	18.7
4 11	11 19.45	−16 42.3	1.590	2.507	11.6	18.9
4 21	11 15.73	−15 18.9	1.658	2.520	14.5	19.1
212293 2005 MG_{28}			3 14.9 269°.43		1°.6/12.9 17	
2 11	11 58.30	+ 3 52.5	2.300	3.147	10.8	20.5
2 21	11 54.20	+ 4 55.1	2.219	3.141	7.8	20.3
3 2	11 48.52	+ 6 6.7	2.165	3.135	4.4	20.0
3 12	11 41.85	+ 7 21.8	2.139	3.130	1.6	19.8
3 22	11 34.89	+ 8 34.1	2.142	3.124	3.8	20.0
4 1	11 28.41	+ 9 37.5	2.175	3.118	7.2	20.2
4 11	11 23.12	+10 27.6	2.233	3.112	10.5	20.4
4 21	11 19.48	+11 1.8	2.314	3.107	13.2	20.6
201577 2003 SR_{70}			3 14.9 206°.54		0°.5/15.6 17	
2 11	11 59.53	− 3 57.0	2.488	3.304	11.1	21.2
2 21	11 55.00	− 2 54.8	2.397	3.299	8.3	21.0
3 2	11 48.95	− 1 38.1	2.332	3.293	5.0	20.7
3 12	11 41.94	− 0 11.3	2.296	3.287	1.4	20.5
3 22	11 34.65	+ 1 19.7	2.291	3.280	2.4	20.5
4 1	11 27.79	+ 2 48.5	2.316	3.273	6.0	20.8
4 11	11 22.04	+ 4 8.9	2.370	3.266	9.3	21.0
4 21	11 17.86	+ 5 16.6	2.448	3.258	12.1	21.1
361634 2007 TY_{185}			3 14.9 149°.56		4°.1/11.4 18	
2 11	12 7.26	+10 57.4	1.741	2.596	13.3	21.0
2 21	12 1.04	+11 49.8	1.679	2.603	9.7	20.8
3 2	11 52.58	+12 45.1	1.641	2.609	6.0	20.6
3 12	11 42.78	+13 35.3	1.632	2.614	4.1	20.5
3 22	11 32.71	+14 13.4	1.650	2.620	6.4	20.7
4 1	11 23.54	+14 34.3	1.696	2.624	10.0	20.9
4 11	11 16.23	+14 35.6	1.766	2.629	13.6	21.1
4 21	11 11.33	+14 18.1	1.856	2.632	16.6	21.3
411807 2012 DA_{18}			3 14.9 26°.52		0°.1/14.8 18	
2 11	12 1.13	− 0 35.3	1.342	2.198	16.4	20.6
2 21	11 57.06	+ 0 4.0	1.280	2.203	12.1	20.4
3 2	11 50.48	+ 1 1.0	1.239	2.209	7.0	20.1
3 12	11 42.32	+ 2 8.8	1.224	2.216	1.6	19.8
3 22	11 33.82	+ 3 18.3	1.234	2.224	4.0	20.0
4 1	11 26.28	+ 4 20.2	1.270	2.232	9.2	20.3
4 11	11 20.79	+ 5 6.9	1.329	2.241	13.8	20.6
4 21	11 17.94	+ 5 34.6	1.407	2.250	17.7	20.8
407369 2010 RU_{129}			3 14.9 95°.59		3°.7/17.9 18	
2 11	12 8.75	− 8 15.6	1.831	2.630	15.2	20.4
2 21	12 1.99	− 8 39.0	1.767	2.650	11.8	20.2
3 2	11 53.09	− 8 44.9	1.726	2.671	8.0	20.0
3 12	11 42.90	− 8 34.6	1.711	2.690	4.5	19.8
3 22	11 32.49	− 8 11.7	1.725	2.710	4.1	19.8
4 1	11 22.96	− 7 41.4	1.768	2.729	7.2	20.0
4 11	11 15.24	− 7 9.9	1.837	2.747	10.7	20.3
4 21	11 9.87	− 6 42.5	1.929	2.766	13.9	20.5
350590 2001 QU_{82}			3 14.9 206°.51		1°.5/17.1 17	
2 11	11 59.90	− 6 24.1	3.166	3.960	9.5	22.0
2 21	11 55.00	− 6 0.6	3.067	3.953	7.2	21.8
3 2	11 48.85	− 5 25.9	2.995	3.945	4.7	21.7
3 12	11 41.93	− 4 42.1	2.952	3.937	2.2	21.5
3 22	11 34.77	− 3 52.5	2.940	3.928	2.1	21.5
4 1	11 27.93	− 3 0.8	2.958	3.919	4.7	21.6
4 11	11 21.97	− 2 11.1	3.006	3.908	7.3	21.8
4 21	11 17.27	− 1 26.9	3.080	3.898	9.7	21.9
305940 2009 HT			3 14.9 249°.31		5°.3/ 8.6 17	
2 11	12 4.57	+20 11.7	2.575	3.423	9.8	21.0
2 21	11 58.61	+20 53.9	2.502	3.413	7.5	20.8
3 2	11 51.02	+21 31.5	2.456	3.403	5.8	20.7
3 12	11 42.44	+21 58.9	2.438	3.393	5.5	20.6
3 22	11 33.60	+22 11.6	2.448	3.383	6.9	20.7
4 1	11 25.34	+22 7.1	2.487	3.372	9.2	20.8
4 11	11 18.35	+21 44.7	2.550	3.361	11.5	21.0
4 21	11 13.11	+21 6.0	2.634	3.350	13.6	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
459023 2011 YO_{34}			3 14.9 109°.53		2°.3/12.8 18	
	h m	° ′			°	m
2 11	12 5.62	+ 5 39.3	1.717	2.568	13.7	22.2
2 21	11 59.77	+ 6 33.2	1.661	2.584	9.8	22.0
3 2	11 51.81	+ 7 35.0	1.630	2.600	5.6	21.8
3 12	11 42.61	+ 8 37.4	1.626	2.616	2.4	21.6
3 22	11 33.24	+ 9 32.7	1.651	2.631	4.9	21.8
4 1	11 24.79	+10 14.8	1.703	2.646	8.9	22.1
4 11	11 18.14	+10 39.9	1.780	2.660	12.6	22.3
4 21	11 13.81	+10 47.1	1.877	2.674	15.7	22.6
429555 2011 CM_{56}			3 14.9 243°.91		3°.4/10.8 17	
2 11	12 0.66	+ 8 19.3	2.077	2.932	11.4	20.9
2 21	11 56.14	+ 9 47.5	1.994	2.920	8.3	20.7
3 2	11 49.77	+11 23.5	1.938	2.907	5.0	20.5
3 12	11 42.18	+12 59.5	1.911	2.894	3.5	20.3
3 22	11 34.18	+14 27.3	1.913	2.881	5.8	20.5
4 1	11 26.70	+15 39.7	1.943	2.867	9.3	20.6
4 11	11 20.57	+16 32.1	1.999	2.853	12.6	20.8
4 21	11 16.36	+17 2.9	2.074	2.839	15.5	21.0
333400 2002 TO_{182}			3 14.9 91°.93		0°.6/15.6 18	
2 11	12 1.69	− 2 17.9	2.340	3.161	11.6	21.4
2 21	11 56.44	− 1 42.9	2.281	3.185	8.5	21.2
3 2	11 49.70	− 0 56.7	2.247	3.209	5.0	21.0
3 12	11 42.12	− 0 3.3	2.242	3.233	1.4	20.8
3 22	11 34.43	+ 0 52.2	2.266	3.256	2.4	20.9
4 1	11 27.39	+ 1 44.7	2.321	3.279	5.9	21.2
4 11	11 21.62	+ 2 29.7	2.403	3.301	9.0	21.4
4 21	11 17.54	+ 3 4.2	2.508	3.323	11.7	21.6
226804 2004 RB_{213}			3 14.9 50°.62		8°.7/23.8 18	
2 11	12 2.08	−22 33.4	1.772	2.508	17.9	19.8
2 21	11 57.48	−23 11.1	1.700	2.520	15.4	19.6
3 2	11 50.64	−23 19.9	1.647	2.531	12.6	19.4
3 12	11 42.39	−22 58.0	1.615	2.543	10.0	19.3
3 22	11 33.75	−22 7.3	1.608	2.556	8.7	19.3
4 1	11 25.87	−20 53.8	1.626	2.568	9.4	19.3
4 11	11 19.75	−19 27.1	1.669	2.581	11.5	19.5
4 21	11 15.98	−17 56.9	1.734	2.594	14.1	19.7
125809 2001 XA_{161}			3 14.9 170°.30		4°.6/10.2 18	
2 11	12 2.63	+12 14.4	1.843	2.705	12.3	19.9
2 21	11 57.65	+13 26.8	1.779	2.705	9.0	19.7
3 2	11 50.64	+14 41.7	1.740	2.706	5.9	19.5
3 12	11 42.37	+15 50.9	1.729	2.706	4.7	19.5
3 22	11 33.81	+16 46.6	1.746	2.707	6.9	19.6
4 1	11 25.99	+17 23.1	1.789	2.707	10.3	19.8
4 11	11 19.80	+17 38.0	1.855	2.707	13.5	20.0
4 21	11 15.77	+17 31.6	1.942	2.707	16.3	20.2
500555 2012 UG_{46}			3 14.9 149°.84		0°.2/14.7 18	
2 11	11 59.74	+ 0 9.5	2.894	3.718	9.5	22.6
2 21	11 54.88	+ 0 51.3	2.818	3.727	6.9	22.4
3 2	11 48.77	+ 1 41.5	2.770	3.736	4.0	22.2
3 12	11 41.92	+ 2 36.3	2.752	3.744	0.9	22.0
3 22	11 34.90	+ 3 31.7	2.764	3.752	2.3	22.1
4 1	11 28.33	+ 4 23.2	2.807	3.759	5.3	22.4
4 11	11 22.74	+ 5 7.2	2.878	3.766	8.1	22.5
4 21	11 18.52	+ 5 41.3	2.973	3.773	10.4	22.7
108784 2001 OV_{62}			3 14.9 153°.64		0°.1/15.0 18	
2 11	12 4.63	+ 0 7.3	2.043	2.873	12.6	18.4
2 21	11 58.90	+ 0 27.4	1.968	2.878	9.3	18.2
3 2	11 51.29	+ 0 58.3	1.917	2.883	5.4	18.0
3 12	11 42.52	+ 1 36.0	1.896	2.888	1.3	17.7
3 22	11 33.46	+ 2 15.4	1.903	2.892	2.9	17.8
4 1	11 25.07	+ 2 51.3	1.939	2.896	7.0	18.1
4 11	11 18.17	+ 3 19.0	2.002	2.899	10.6	18.3
4 21	11 13.28	+ 3 35.7	2.087	2.902	13.7	18.5
337790 2001 UU_{201}			3 14.9 123°.17		4°.8/21.4 17	
2 11	11 58.71	−17 39.3	2.475	3.223	13.1	20.9
2 21	11 54.43	−17 19.9	2.389	3.229	10.8	20.7
3 2	11 48.63	−16 39.4	2.325	3.236	8.2	20.6
3 12	11 41.90	−15 39.0	2.287	3.242	5.8	20.4
3 22	11 34.94	−14 22.4	2.277	3.248	4.8	20.4
4 1	11 28.48	−12 55.1	2.297	3.254	6.0	20.4
4 11	11 23.19	−11 24.2	2.344	3.259	8.5	20.6
4 21	11 19.51	− 9 56.3	2.417	3.265	11.0	20.8
31121 1997 RD_{10}			3 14.9 159°.34		0°.5/14.4 18	
2 11	12 2.89	+ 0 40.6	2.443	3.269	10.9	20.3
2 21	11 57.36	+ 1 29.3	2.368	3.278	7.9	20.1
3 2	11 50.29	+ 2 27.9	2.319	3.286	4.6	19.9
3 12	11 42.28	+ 3 31.6	2.301	3.293	1.0	19.7
3 22	11 34.06	+ 4 35.1	2.313	3.300	2.8	19.8
4 1	11 26.39	+ 5 33.1	2.355	3.305	6.3	20.0
4 11	11 19.95	+ 6 21.1	2.424	3.310	9.5	20.2
4 21	11 15.18	+ 6 56.6	2.518	3.314	12.2	20.4

56099 1999 BL_{13} 3 14.9 109°.65 1°.5/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 0.51	+ 1 15.4	1.840	2.686	13.1	18.6
2 21	11 56.04	+ 2 42.1	1.775	2.696	9.4	18.4
3 2	11 49.67	+ 4 22.4	1.736	2.706	5.3	18.2
3 12	11 42.15	+ 6 8.3	1.724	2.716	1.6	18.0
3 22	11 34.39	+ 7 50.7	1.742	2.726	4.2	18.2
4 1	11 27.34	+ 9 21.1	1.789	2.735	8.3	18.4
4 11	11 21.83	+10 33.2	1.860	2.745	12.0	18.7
4 21	11 18.36	+11 24.3	1.954	2.754	15.1	18.9

25881 2000 RH_{41} 3 14.9 127°.05 3°.3/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 58.59	−13 11.2	2.669	3.439	11.7	18.8
2 21	11 54.20	−12 46.4	2.586	3.448	9.3	18.7
3 2	11 48.44	−12 4.5	2.527	3.457	6.7	18.5
3 12	11 41.86	−11 7.4	2.496	3.466	4.2	18.4
3 22	11 35.07	− 9 59.0	2.493	3.474	3.4	18.3
4 1	11 28.76	− 8 44.4	2.521	3.482	5.3	18.5
4 11	11 23.51	− 7 29.3	2.576	3.490	7.9	18.6
4 21	11 19.73	− 6 19.1	2.658	3.497	10.4	18.8

272805 2006 AK_{31} 3 14.9 353°.91 5°.6/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.63	+14 33.6	1.818	2.684	12.3	20.2
2 21	11 56.97	+15 55.9	1.757	2.684	9.1	20.0
3 2	11 50.27	+17 18.9	1.721	2.684	6.3	19.8
3 12	11 42.30	+18 33.4	1.713	2.683	5.7	19.8
3 22	11 34.04	+19 31.5	1.731	2.683	7.9	19.9
4 1	11 26.53	+20 7.6	1.776	2.683	11.0	20.1
4 11	11 20.65	+20 19.7	1.843	2.683	14.1	20.3
4 21	11 16.94	+20 8.9	1.929	2.683	16.8	20.5

28337 1999 EA_2 3 14.9 167°.07 1°.1/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.02	+ 2 54.0	2.348	3.183	11.1	20.4
2 21	11 57.53	+ 3 44.6	2.273	3.188	8.0	20.2
3 2	11 50.43	+ 4 43.7	2.225	3.193	4.5	20.0
3 12	11 42.33	+ 5 46.5	2.206	3.197	1.3	19.7
3 22	11 33.99	+ 6 47.1	2.217	3.201	3.4	19.9
4 1	11 26.22	+ 7 40.2	2.258	3.204	6.9	20.1
4 11	11 19.71	+ 8 21.7	2.326	3.206	10.1	20.3
4 21	11 14.96	+ 8 49.4	2.417	3.207	12.8	20.5

39380 2169 P–L 3 14.9 21°.87 0°.2/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.60	+ 1 49.6	1.380	2.232	16.3	19.1
2 21	12 1.10	+ 1 54.6	1.312	2.234	12.0	18.9
3 2	11 52.89	+ 2 12.1	1.267	2.236	7.0	18.6
3 12	11 42.94	+ 2 36.9	1.246	2.239	1.6	18.2
3 22	11 32.55	+ 3 2.7	1.252	2.241	4.0	18.4
4 1	11 23.14	+ 3 22.8	1.283	2.244	9.3	18.7
4 11	11 15.92	+ 3 32.0	1.339	2.247	14.0	19.0
4 21	11 11.55	+ 3 27.5	1.414	2.251	17.9	19.2

501007 2013 RD_{33} 3 14.9 213°.39 2°.0/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.63	+ 5 51.7	2.439	3.279	10.5	22.7
2 21	11 57.31	+ 6 50.2	2.352	3.270	7.6	22.5
3 2	11 50.35	+ 7 55.8	2.292	3.261	4.4	22.3
3 12	11 42.33	+ 9 3.1	2.261	3.251	2.0	22.1
3 22	11 33.97	+10 6.3	2.262	3.239	4.1	22.2
4 1	11 26.08	+11 0.0	2.291	3.228	7.4	22.4
4 11	11 19.38	+11 40.1	2.348	3.215	10.5	22.6
4 21	11 14.37	+12 5.0	2.427	3.202	13.2	22.7

63662 2001 QE_{120} 3 14.9 82°.78 1°.6/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.02	+ 3 49.2	1.369	2.224	16.2	19.1
2 21	12 1.90	+ 4 24.7	1.318	2.242	11.7	18.9
3 2	11 53.19	+ 5 11.1	1.290	2.261	6.7	18.6
3 12	11 42.97	+ 6 0.8	1.287	2.279	1.9	18.4
3 22	11 32.59	+ 6 45.7	1.312	2.298	4.8	18.6
4 1	11 23.43	+ 7 18.7	1.362	2.316	9.7	18.9
4 11	11 16.52	+ 7 35.3	1.436	2.333	14.0	19.2
4 21	11 12.41	+ 7 34.4	1.530	2.351	17.6	19.5

310884 2003 QU_3 3 14.9 184°.24 0°.6/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.21	− 2 0.0	2.026	2.848	13.0	21.6
2 21	11 59.42	− 1 30.2	1.943	2.849	9.7	21.4
3 2	11 51.65	− 0 46.9	1.886	2.849	5.8	21.1
3 12	11 42.64	+ 0 5.8	1.857	2.848	1.6	20.8
3 22	11 33.27	+ 1 2.3	1.857	2.847	2.9	20.9
4 1	11 24.52	+ 1 56.4	1.887	2.844	7.0	21.2
4 11	11 17.27	+ 2 42.4	1.943	2.841	10.8	21.4
4 21	11 12.08	+ 3 16.4	2.022	2.838	14.1	21.6

458897 2011 UV_{201} 3 14.9 21°.03 3°.1/12.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.23	+ 6 7.5	1.144	2.021	17.1	21.0
2 21	11 58.16	+ 6 53.4	1.091	2.027	12.3	20.8
3 2	11 51.24	+ 7 49.9	1.060	2.034	7.1	20.5
3 12	11 42.55	+ 8 47.3	1.052	2.043	3.1	20.3
3 22	11 33.55	+ 9 35.5	1.069	2.052	6.3	20.5
4 1	11 25.75	+10 6.2	1.109	2.062	11.4	20.8
4 11	11 20.32	+10 14.9	1.170	2.074	16.0	21.1
4 21	11 17.86	+10 1.4	1.250	2.086	19.9	21.4

22245 4309 T-3 3 14.9 163°.01 0°.8/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 1.56	+ 1 51.9	2.338	3.173	11.1	19.9
2 21	11 56.49	+ 2 42.7	2.263	3.178	8.0	19.7
3 2	11 49.83	+ 3 42.9	2.214	3.182	4.6	19.5
3 12	11 42.20	+ 4 47.7	2.194	3.187	1.1	19.3
3 22	11 34.34	+ 5 51.3	2.205	3.190	3.2	19.5
4 1	11 27.03	+ 6 48.1	2.244	3.193	6.7	19.7
4 11	11 20.95	+ 7 33.9	2.311	3.196	9.9	19.9
4 21	11 16.58	+ 8 6.0	2.401	3.198	12.7	20.1

141866 2002 PL_{30} 3 14.9 252°.23 0°.6/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.06	− 2 43.8	1.727	2.561	14.4	20.5
2 21	11 57.49	− 2 2.7	1.640	2.552	10.8	20.3
3 2	11 50.71	− 1 3.9	1.577	2.542	6.5	20.0
3 12	11 42.45	+ 0 7.8	1.540	2.532	1.8	19.7
3 22	11 33.69	+ 1 25.2	1.531	2.521	3.3	19.8
4 1	11 25.55	+ 2 39.8	1.550	2.511	8.0	20.0
4 11	11 19.04	+ 3 43.9	1.594	2.500	12.3	20.2
4 21	11 14.81	+ 4 32.3	1.660	2.489	16.1	20.5

276492 2003 QV_{16} 3 14.9 162°.31 0°.8/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.73	+ 1 25.2	2.260	3.096	11.4	21.3
2 21	11 55.95	+ 2 17.1	2.185	3.100	8.2	21.1
3 2	11 49.55	+ 3 19.2	2.135	3.103	4.7	20.9
3 12	11 42.15	+ 4 26.5	2.114	3.106	1.1	20.7
3 22	11 34.50	+ 5 33.0	2.123	3.109	3.2	20.8
4 1	11 27.41	+ 6 32.9	2.161	3.111	6.8	21.0
4 11	11 21.58	+ 7 21.4	2.226	3.113	10.1	21.3
4 21	11 17.47	+ 7 55.9	2.313	3.115	13.0	21.4

83233 2001 RT_{41} 3 14.9 44°.76 0°.4/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.88	− 1 0.9	1.866	2.704	13.3	19.1
2 21	11 56.26	− 0 35.0	1.804	2.718	9.8	18.9
3 2	11 49.79	+ 0 3.5	1.765	2.732	5.8	18.7
3 12	11 42.22	+ 0 50.1	1.754	2.746	1.5	18.4
3 22	11 34.45	+ 1 38.8	1.771	2.761	2.9	18.5
4 1	11 27.42	+ 2 23.8	1.815	2.776	7.0	18.8
4 11	11 21.91	+ 2 59.8	1.885	2.791	10.7	19.1
4 21	11 18.42	+ 3 23.6	1.977	2.806	13.9	19.3

136269 2003 YQ_{87} 3 14.9 119°.13 2°.4/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.84	− 6 22.0	1.855	2.666	14.5	19.6
2 21	11 59.92	− 6 15.3	1.786	2.680	11.1	19.4
3 2	11 51.95	− 5 51.5	1.740	2.694	7.2	19.2
3 12	11 42.72	− 5 13.7	1.721	2.707	3.4	19.0
3 22	11 33.24	− 4 26.7	1.731	2.720	3.3	19.0
4 1	11 24.55	− 3 36.9	1.769	2.732	7.0	19.2
4 11	11 17.53	− 2 50.8	1.834	2.744	10.7	19.5
4 21	11 12.73	− 2 13.3	1.921	2.755	14.0	19.7

370957 2005 SA_{81} 3 14.9 214°.00 0°.8/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.02	+ 2 34.2	2.314	3.147	11.3	22.9
2 21	11 58.40	+ 3 10.6	2.225	3.138	8.2	22.7
3 2	11 51.03	+ 3 56.0	2.162	3.129	4.7	22.5
3 12	11 42.53	+ 4 46.0	2.127	3.120	1.2	22.2
3 22	11 33.65	+ 5 35.3	2.123	3.109	3.2	22.3
4 1	11 25.28	+ 6 18.7	2.149	3.098	6.9	22.5
4 11	11 18.17	+ 6 52.0	2.202	3.086	10.4	22.7
4 21	11 12.87	+ 7 12.7	2.277	3.074	13.3	22.9

206236 2002 WG_9 3 14.9 166°.39 1°.8/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.55	+ 6 45.8	2.655	3.497	9.7	21.1
2 21	11 56.32	+ 7 27.0	2.582	3.501	7.0	20.9
3 2	11 49.68	+ 8 12.8	2.535	3.504	4.0	20.7
3 12	11 42.19	+ 8 58.8	2.519	3.508	1.8	20.6
3 22	11 34.50	+ 9 40.3	2.532	3.510	3.6	20.7
4 1	11 27.31	+10 13.5	2.575	3.513	6.6	20.9
4 11	11 21.22	+10 35.5	2.645	3.515	9.4	21.1
4 21	11 16.67	+10 45.1	2.738	3.516	11.8	21.2

299255 2005 NN_8 3 14.9 177°.71 3°.0/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.48	−10 15.3	2.674	3.456	11.4	21.6
2 21	11 55.63	−10 13.0	2.585	3.457	8.9	21.5
3 2	11 49.33	− 9 56.4	2.520	3.458	6.2	21.3
3 12	11 42.13	− 9 26.8	2.483	3.458	3.8	21.1
3 22	11 34.66	− 8 47.2	2.476	3.458	3.2	21.1
4 1	11 27.62	− 8 1.5	2.497	3.458	5.4	21.2
4 11	11 21.65	− 7 14.8	2.547	3.458	8.1	21.4
4 21	11 17.19	− 6 31.3	2.622	3.457	10.6	21.6

278850 2008 TU_7 3 14.9 159°.73 0°.8/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.83	+ 2 13.3	2.188	3.026	11.6	21.7
2 21	11 56.80	+ 2 53.0	2.113	3.029	8.4	21.5
3 2	11 50.08	+ 3 42.1	2.063	3.032	4.8	21.3
3 12	11 42.30	+ 4 35.7	2.042	3.035	1.2	21.0
3 22	11 34.27	+ 5 28.3	2.051	3.037	3.2	21.2
4 1	11 26.82	+ 6 14.4	2.089	3.040	7.0	21.4
4 11	11 20.70	+ 6 49.7	2.152	3.042	10.4	21.6
4 21	11 16.39	+ 7 11.8	2.239	3.043	13.3	21.8

332864 2010 VK_{181} 3 14.9 0°.17 3°.0/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 55.40	− 6 18.9	1.105	1.963	19.0	19.5
2 21	11 53.40	− 6 12.2	1.039	1.958	14.6	19.3
3 2	11 48.63	− 5 38.6	0.992	1.956	9.5	19.0
3 12	11 42.03	− 4 41.9	0.967	1.955	4.4	18.7
3 22	11 34.91	− 3 30.4	0.965	1.956	4.2	18.7
4 1	11 28.73	− 2 15.4	0.985	1.959	9.3	18.9
4 11	11 24.76	− 1 8.8	1.028	1.964	14.4	19.2
4 21	11 23.67	− 0 18.5	1.088	1.971	18.9	19.5

460068 2014 OY_{233} 3 14.9 177°.44 3°.4/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.09	+ 8 15.0	1.822	2.675	12.9	21.8
2 21	11 59.49	+ 9 25.1	1.753	2.677	9.3	21.6
3 2	11 51.77	+10 41.9	1.710	2.679	5.5	21.4
3 12	11 42.71	+11 57.2	1.694	2.680	3.4	21.2
3 22	11 33.33	+13 3.0	1.708	2.680	5.8	21.4
4 1	11 24.69	+13 52.6	1.749	2.680	9.6	21.6
4 11	11 17.74	+14 22.3	1.814	2.679	13.2	21.8
4 21	11 13.04	+14 31.5	1.900	2.677	16.2	22.0

207457 2006 GQ_{9} 3 14.9 143°.12 3°.7/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.80	+ 9 41.6	1.683	2.537	13.7	20.7
2 21	12 1.52	+10 30.7	1.621	2.545	9.9	20.5
3 2	11 52.95	+11 23.9	1.584	2.552	6.0	20.3
3 12	11 42.98	+12 13.3	1.574	2.559	3.7	20.2
3 22	11 32.75	+12 51.9	1.592	2.566	6.1	20.3
4 1	11 23.45	+13 14.0	1.638	2.572	9.9	20.6
4 11	11 16.07	+13 17.3	1.708	2.577	13.6	20.8
4 21	11 11.16	+13 2.0	1.798	2.582	16.8	21.0

338340 2002 WZ_{17} 3 14.9 122°.51 3°.8/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.33	−13 4.0	2.429	3.202	12.6	21.0
2 21	11 55.62	−12 54.6	2.348	3.211	10.1	20.8
3 2	11 49.36	−12 27.2	2.290	3.220	7.3	20.7
3 12	11 42.14	−11 43.4	2.259	3.228	4.7	20.5
3 22	11 34.70	−10 46.9	2.257	3.237	3.9	20.5
4 1	11 27.77	− 9 42.7	2.284	3.245	5.8	20.6
4 11	11 22.04	− 8 37.0	2.339	3.253	8.5	20.8
4 21	11 17.96	− 7 35.1	2.418	3.260	11.2	21.0

175618 2006 WQ_{47} 3 14.9 179°.11 0°.7/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.95	− 2 9.3	2.457	3.280	11.0	21.2
2 21	11 55.32	− 1 48.3	2.375	3.280	8.2	21.0
3 2	11 49.18	− 1 16.5	2.318	3.280	4.9	20.8
3 12	11 42.11	− 0 37.0	2.289	3.280	1.5	20.6
3 22	11 34.78	+ 0 6.1	2.290	3.280	2.4	20.6
4 1	11 27.94	+ 0 48.0	2.320	3.280	5.8	20.9
4 11	11 22.23	+ 1 24.5	2.378	3.280	9.0	21.1
4 21	11 18.11	+ 1 52.4	2.459	3.280	11.7	21.2

292565 2006 TJ_{73} 3 14.9 196°.00 0°.4/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.63	+ 1 3.7	2.736	3.565	9.8	21.7
2 21	11 54.96	+ 1 41.7	2.651	3.563	7.2	21.5
3 2	11 48.93	+ 2 28.2	2.593	3.560	4.1	21.3
3 12	11 42.05	+ 3 19.4	2.565	3.557	0.9	21.0
3 22	11 34.94	+ 4 11.0	2.567	3.554	2.5	21.2
4 1	11 28.24	+ 4 58.5	2.598	3.551	5.7	21.4
4 11	11 22.57	+ 5 38.2	2.658	3.547	8.6	21.6
4 21	11 18.32	+ 6 7.4	2.741	3.543	11.2	21.7

134640 1999 UV_{42} 3 14.9 198°.38 2°.8/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.26	− 7 21.0	1.940	2.745	14.2	20.6
2 21	11 59.62	− 7 17.4	1.853	2.742	11.0	20.4
3 2	11 51.89	− 6 56.4	1.789	2.739	7.3	20.2
3 12	11 42.77	− 6 20.2	1.752	2.736	3.7	20.0
3 22	11 33.21	− 5 32.9	1.744	2.732	3.4	19.9
4 1	11 24.25	− 4 40.8	1.764	2.727	7.0	20.1
4 11	11 16.85	− 3 50.4	1.811	2.722	10.8	20.3
4 21	11 11.61	− 3 7.3	1.881	2.716	14.2	20.5

116885 2004 FH_{122} 3 14.9 281°.03 6°.4/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.59	+22 1.8	2.342	3.192	10.5	19.5
2 21	11 58.91	+22 57.6	2.263	3.172	8.3	19.4
3 2	11 51.38	+23 48.0	2.210	3.151	6.7	19.2
3 12	11 42.64	+24 26.1	2.184	3.131	6.6	19.2
3 22	11 33.53	+24 46.3	2.187	3.110	8.2	19.2
4 1	11 24.99	+24 45.4	2.215	3.089	10.6	19.3
4 11	11 17.83	+24 22.8	2.268	3.068	13.1	19.5
4 21	11 12.61	+23 40.3	2.340	3.047	15.4	19.6

275697 2000 TL_{38} 3 14.9 231°.03 2°.3/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.06	+ 7 47.1	2.536	3.376	10.1	21.8
2 21	11 58.36	+ 8 35.1	2.442	3.360	7.3	21.6
3 2	11 51.00	+ 9 28.3	2.375	3.343	4.3	21.4
3 12	11 42.55	+10 21.7	2.338	3.325	2.3	21.2
3 22	11 33.72	+11 10.0	2.332	3.307	4.2	21.3
4 1	11 25.31	+11 48.5	2.355	3.287	7.4	21.5
4 11	11 18.05	+12 13.9	2.405	3.267	10.5	21.6
4 21	11 12.47	+12 24.8	2.479	3.246	13.1	21.8

327399 2005 UL_{512} 3 14.9 249°.98 4°.7/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 5.22	+13 45.9	2.017	2.872	11.7	21.2
2 21	11 59.57	+14 42.8	1.935	2.857	8.7	21.0
3 2	11 51.85	+15 41.1	1.879	2.842	5.8	20.8
3 12	11 42.76	+16 33.3	1.851	2.826	4.8	20.7
3 22	11 33.24	+17 12.7	1.852	2.810	6.8	20.8
4 1	11 24.32	+17 34.1	1.879	2.794	10.1	21.0
4 11	11 16.93	+17 35.4	1.931	2.777	13.3	21.1
4 21	11 11.67	+17 16.9	2.004	2.760	16.2	21.3

54497 2000 OF_{41} 3 14.9 214°.58 3°.2/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.13	−11 0.2	2.399	3.186	12.4	19.5
2 21	11 54.82	−10 42.5	2.309	3.184	9.8	19.3
3 2	11 48.94	−10 7.4	2.243	3.182	6.8	19.1
3 12	11 42.07	− 9 16.9	2.204	3.180	4.0	18.9
3 22	11 34.91	− 8 14.8	2.194	3.178	3.4	18.8
4 1	11 28.21	− 7 6.6	2.212	3.176	5.7	19.0
4 11	11 22.66	− 5 58.5	2.259	3.173	8.8	19.2
4 21	11 18.76	− 4 55.8	2.330	3.171	11.6	19.4

494661 2001 RO_{75} 3 14.9 108°.35 2°.3/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.05	+ 7 51.8	2.324	3.163	11.0	22.2
2 21	12 0.28	+ 8 36.3	2.275	3.192	7.9	22.1
3 2	11 51.93	+ 9 24.1	2.253	3.220	4.6	21.9
3 12	11 42.72	+10 9.9	2.260	3.248	2.3	21.8
3 22	11 33.49	+10 48.7	2.299	3.275	4.2	22.0
4 1	11 25.03	+11 16.6	2.367	3.300	7.3	22.2
4 11	11 18.02	+11 31.4	2.462	3.325	10.2	22.4
4 21	11 12.86	+11 32.7	2.580	3.349	12.6	22.6

236955 2007 UG_{23} 3 14.9 65°.43 4°.5/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.84	+14 18.7	2.120	2.977	11.2	20.0
2 21	11 57.57	+15 8.6	2.059	2.982	8.2	19.8
3 2	11 50.52	+15 57.9	2.023	2.986	5.5	19.7
3 12	11 42.43	+16 40.1	2.016	2.991	4.5	19.6
3 22	11 34.13	+17 9.7	2.037	2.995	6.3	19.7
4 1	11 26.53	+17 22.9	2.085	3.000	9.2	19.9
4 11	11 20.38	+17 18.3	2.158	3.004	12.1	20.1
4 21	11 16.16	+16 56.5	2.251	3.009	14.6	20.3

69060 2002 YO_{20} 3 14.9 53°.69 0°.1/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.58	− 0 16.1	2.008	2.845	12.6	19.8
2 21	11 55.96	+ 0 15.2	1.942	2.856	9.2	19.6
3 2	11 49.61	+ 0 57.9	1.901	2.868	5.3	19.4
3 12	11 42.22	+ 1 47.5	1.888	2.880	1.2	19.2
3 22	11 34.63	+ 2 38.4	1.903	2.892	2.9	19.3
4 1	11 27.70	+ 3 24.8	1.947	2.905	6.8	19.6
4 11	11 22.20	+ 4 1.8	2.016	2.917	10.4	19.8
4 21	11 18.58	+ 4 26.6	2.108	2.930	13.4	20.0

28922 2000 QK_{132} 3 14.9 39°.46 6°.1/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.12	−13 38.0	1.927	2.699	15.5	17.0
2 21	12 0.94	−14 40.4	1.855	2.712	12.6	16.9
3 2	11 52.63	−15 23.8	1.806	2.726	9.5	16.7
3 12	11 42.94	−15 47.0	1.782	2.740	6.9	16.6
3 22	11 32.89	−15 50.9	1.786	2.754	6.2	16.5
4 1	11 23.57	−15 39.0	1.818	2.768	7.9	16.7
4 11	11 15.92	−15 17.5	1.875	2.783	10.6	16.9
4 21	11 10.54	−14 52.6	1.955	2.799	13.4	17.1

498122 2007 SZ_{19} 3 14.9 166°.73 0°.1/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.39	+ 0 3.9	2.537	3.364	10.6	22.1
2 21	11 55.58	+ 0 40.3	2.457	3.367	7.7	21.9
3 2	11 49.31	+ 1 26.2	2.404	3.370	4.5	21.7
3 12	11 42.16	+ 2 17.8	2.380	3.372	1.0	21.5
3 22	11 34.77	+ 3 10.4	2.386	3.374	2.5	21.6
4 1	11 27.87	+ 3 59.3	2.422	3.376	5.9	21.8
4 11	11 22.09	+ 4 40.2	2.485	3.378	9.0	22.0
4 21	11 17.86	+ 5 10.4	2.572	3.379	11.7	22.2

503723 2016 JL_{35} 3 14.9 280°.07 4°.1/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.73	−12 44.9	1.949	2.738	14.7	21.3
2 21	11 55.71	−12 25.4	1.848	2.722	11.8	21.0
3 2	11 49.69	−11 42.4	1.769	2.706	8.5	20.8
3 12	11 42.29	−10 37.3	1.715	2.689	5.2	20.6
3 22	11 34.37	− 9 14.4	1.689	2.672	4.3	20.5
4 1	11 26.93	− 7 41.2	1.691	2.656	7.0	20.6
4 11	11 20.88	− 6 6.6	1.719	2.639	10.7	20.8
4 21	11 16.89	− 4 38.9	1.771	2.622	14.2	20.9

112150 2002 JK_{69} 3 14.9 264°.29 3°.1/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.33	+ 6 2.9	1.594	2.455	14.0	19.6
2 21	11 57.86	+ 7 18.3	1.516	2.444	10.2	19.3
3 2	11 51.03	+ 8 45.3	1.461	2.433	5.9	19.0
3 12	11 42.61	+10 15.1	1.434	2.422	3.1	18.8
3 22	11 33.67	+11 37.9	1.433	2.411	6.0	19.0
4 1	11 25.42	+12 44.6	1.459	2.399	10.4	19.2
4 11	11 18.95	+13 29.3	1.509	2.388	14.6	19.4
4 21	11 14.93	+13 50.2	1.578	2.376	18.1	19.6

241896 2001 WQ_{72} 3 14.9 24.°64 3.°0/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 2.96	+ 5 38.5	1.168	2.042	17.0	20.1
2 21	11 58.73	+ 6 32.0	1.113	2.047	12.3	19.8
3 2	11 51.62	+ 7 37.3	1.079	2.053	7.1	19.5
3 12	11 42.73	+ 8 44.3	1.069	2.059	3.1	19.3
3 22	11 33.48	+ 9 42.4	1.083	2.066	6.3	19.5
4 1	11 25.38	+10 22.7	1.122	2.074	11.4	19.8
4 11	11 19.65	+10 40.1	1.182	2.082	16.1	20.1
4 21	11 16.90	+10 34.0	1.259	2.091	20.0	20.4

316281 2010 PR_{64} 3 14.9 344.°28 2.°4/16.7 18

2 11	12 4.97	− 4 17.4	1.457	2.291	16.6	20.7
2 21	11 59.94	− 4 26.9	1.380	2.288	12.7	20.4
3 2	11 52.29	− 4 18.5	1.326	2.286	8.1	20.2
3 12	11 42.91	− 3 54.8	1.296	2.284	3.5	19.9
3 22	11 32.99	− 3 20.9	1.292	2.282	3.8	19.9
4 1	11 23.89	− 2 43.6	1.315	2.281	8.5	20.2
4 11	11 16.81	− 2 10.5	1.361	2.280	13.1	20.4
4 21	11 12.44	− 1 47.2	1.429	2.279	17.1	20.7

23978 1999 JF_{21} 3 14.9 163.°42 2.°2/17.6 18

2 11	12 2.33	− 7 55.8	2.439	3.234	12.0	18.4
2 21	11 57.05	− 7 30.5	2.356	3.241	9.2	18.2
3 2	11 50.20	− 6 50.0	2.298	3.246	6.0	18.0
3 12	11 42.37	− 5 57.0	2.268	3.251	3.0	17.8
3 22	11 34.30	− 4 55.7	2.267	3.255	2.7	17.8
4 1	11 26.74	− 3 51.6	2.297	3.259	5.7	18.0
4 11	11 20.39	− 2 50.4	2.355	3.262	8.8	18.2
4 21	11 15.72	− 1 56.7	2.438	3.265	11.6	18.4

147306 2003 AH_{73} 3 14.9 134.°78 7.°6/ 6.5 18

2 11	12 6.37	+23 26.7	2.067	2.918	11.7	20.1
2 21	12 0.19	+24 52.4	2.024	2.930	9.3	20.0
3 2	11 52.05	+26 9.7	2.007	2.941	7.8	19.9
3 12	11 42.79	+27 9.8	2.017	2.952	7.9	19.9
3 22	11 33.39	+27 47.0	2.054	2.962	9.5	20.0
4 1	11 24.85	+27 58.4	2.116	2.972	11.8	20.2
4 11	11 17.99	+27 44.7	2.201	2.982	14.1	20.4
4 21	11 13.31	+27 9.2	2.303	2.990	16.1	20.6

236246 2005 YE_{91} 3 14.9 167.°64 2.°2/17.2 17

2 11	12 2.33	− 6 29.0	2.093	2.903	13.1	21.0
2 21	11 57.31	− 6 14.1	2.011	2.905	10.1	20.8
3 2	11 50.45	− 5 43.2	1.953	2.907	6.5	20.6
3 12	11 42.45	− 4 59.2	1.923	2.908	3.0	20.3
3 22	11 34.12	− 4 6.7	1.920	2.909	2.9	20.3
4 1	11 26.37	− 3 11.4	1.947	2.911	6.4	20.6
4 11	11 20.01	− 2 19.5	2.001	2.911	9.9	20.8
4 21	11 15.57	− 1 35.9	2.078	2.912	13.1	21.0

208704 2002 JT_{30} 3 14.9 287.°23 5.°7/10.2 18

2 11	12 4.93	+13 10.0	1.499	2.367	14.3	19.9
2 21	11 59.89	+14 17.5	1.429	2.357	10.6	19.6
3 2	11 52.25	+15 27.8	1.382	2.348	7.0	19.4
3 12	11 42.90	+16 30.9	1.360	2.338	5.7	19.3
3 22	11 33.05	+17 17.3	1.365	2.328	8.3	19.4
4 1	11 24.05	+17 40.4	1.395	2.318	12.2	19.6
4 11	11 17.06	+17 37.6	1.447	2.309	16.1	19.8
4 21	11 12.78	+17 10.4	1.517	2.299	19.4	20.0

205845 2002 EL_{39} 3 14.9 332.°92 0.°7/15.4 17

2 11	12 2.39	− 0 59.1	1.259	2.116	17.3	19.9
2 21	11 58.41	− 0 47.5	1.183	2.106	12.9	19.6
3 2	11 51.57	− 0 17.8	1.128	2.097	7.8	19.3
3 12	11 42.78	+ 0 25.3	1.096	2.088	2.1	18.9
3 22	11 33.33	+ 1 14.2	1.089	2.080	4.0	19.0
4 1	11 24.73	+ 1 59.8	1.107	2.073	9.7	19.3
4 11	11 18.31	+ 2 34.2	1.147	2.067	14.9	19.6
4 21	11 14.86	+ 2 52.2	1.206	2.061	19.3	19.9

469356 2001 DR_{8} 3 14.9 102.°05 1.°3/16.1 17

2 11	12 19.34	− 5 1.0	1.843	2.634	15.4	23.1
2 21	12 9.30	− 4 19.3	1.796	2.684	11.4	22.9
3 2	11 57.15	− 3 21.2	1.776	2.731	6.9	22.7
3 12	11 43.94	− 2 12.2	1.786	2.776	2.4	22.5
3 22	11 30.89	− 0 59.6	1.829	2.818	3.1	22.7
4 1	11 19.18	+ 0 9.0	1.904	2.858	7.3	23.0
4 11	11 9.65	+ 1 7.6	2.007	2.896	11.0	23.3
4 21	11 2.74	+ 1 52.4	2.134	2.931	14.1	23.6

9072 1993 RX_{3} 3 14.9 243.°93 6.°1/22.1 18

2 11	12 1.35	−19 42.6	2.619	3.345	13.0	17.3
2 21	11 56.46	−20 11.3	2.521	3.339	11.0	17.1
3 2	11 49.94	−20 21.2	2.444	3.333	8.8	17.0
3 12	11 42.35	−20 11.5	2.393	3.327	6.9	16.8
3 22	11 34.37	−19 43.5	2.370	3.321	6.1	16.8
4 1	11 26.78	−19 0.2	2.374	3.315	6.9	16.8
4 11	11 20.31	−18 7.2	2.405	3.308	8.8	16.9
4 21	11 15.49	−17 10.1	2.460	3.302	11.1	17.0

237982 2002 RG_{271} 3 14.9 132.°80 0.°2/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 1.07	− 1 1.6	2.298	3.126	11.5	21.5
2 21	11 56.19	− 0 27.5	2.224	3.133	8.5	21.3
3 2	11 49.72	+ 0 17.7	2.175	3.140	5.0	21.1
3 12	11 42.28	+ 1 9.9	2.155	3.147	1.2	20.8
3 22	11 34.62	+ 2 4.1	2.164	3.153	2.6	20.9
4 1	11 27.52	+ 2 54.9	2.202	3.160	6.2	21.2
4 11	11 21.67	+ 3 37.7	2.268	3.166	9.5	21.4
4 21	11 17.53	+ 4 9.3	2.357	3.171	12.4	21.6

237751 2001 XR_{248} 3 14.9 262.°66 7.°4/ 4.1 18

2 11	12 0.28	+25 10.5	2.429	3.282	10.1	20.2
2 21	11 55.75	+26 48.4	2.372	3.274	8.3	20.0
3 2	11 49.53	+28 19.2	2.341	3.266	7.4	20.0
3 12	11 42.25	+29 35.2	2.338	3.257	7.8	20.0
3 22	11 34.68	+30 30.5	2.361	3.249	9.3	20.0
4 1	11 27.66	+31 1.4	2.409	3.241	11.4	20.2
4 11	11 21.93	+31 7.7	2.478	3.232	13.4	20.3
4 21	11 17.97	+30 51.1	2.565	3.224	15.2	20.4

68390 2001 QZ_{46} 3 14.9 106.°31 0.°8/15.7 18

2 11	12 5.44	− 2 19.5	1.994	2.816	13.2	20.6
2 21	11 59.45	− 1 55.7	1.932	2.837	9.8	20.4
3 2	11 51.62	− 1 18.9	1.895	2.858	5.9	20.2
3 12	11 42.72	− 0 33.5	1.887	2.878	1.8	20.0
3 22	11 33.67	+ 0 15.2	1.907	2.897	2.8	20.1
4 1	11 25.41	+ 1 1.5	1.957	2.916	6.7	20.4
4 11	11 18.71	+ 1 40.1	2.033	2.935	10.3	20.6
4 21	11 14.06	+ 2 7.9	2.133	2.953	13.3	20.9

427752 2004 SZ_{34} 3 14.9 107.°46 2.°7/17.8 18

2 11	12 4.02	− 8 1.9	2.136	2.934	13.3	22.2
2 21	11 58.40	− 7 55.3	2.067	2.952	10.2	22.0
3 2	11 51.02	− 7 32.5	2.022	2.969	6.8	21.8
3 12	11 42.59	− 6 56.2	2.004	2.986	3.6	21.6
3 22	11 33.96	− 6 10.3	2.015	3.002	3.2	21.6
4 1	11 26.02	− 5 20.6	2.055	3.018	6.2	21.8
4 11	11 19.50	− 4 32.6	2.123	3.034	9.5	22.1
4 21	11 14.91	− 3 51.3	2.214	3.049	12.4	22.3

361114 2006 EQ_{16} 3 14.9 336.°61 1.°5/13.9 16

2 11	12 7.42	+ 4 43.2	1.362	2.220	16.1	21.0
2 21	12 1.85	+ 4 55.1	1.291	2.217	11.8	20.7
3 2	11 53.46	+ 5 16.6	1.243	2.214	6.8	20.4
3 12	11 43.21	+ 5 41.6	1.219	2.211	1.9	20.1
3 22	11 32.46	+ 6 3.3	1.222	2.209	4.8	20.3
4 1	11 22.69	+ 6 15.2	1.251	2.207	10.0	20.6
4 11	11 15.14	+ 6 12.9	1.303	2.206	14.7	20.8
4 21	11 10.52	+ 5 55.0	1.374	2.204	18.7	21.1

171961 2001 TR_{81} 3 14.9 81.°27 2.°0/17.1 17

2 11	12 1.35	− 5 54.9	2.240	3.049	12.4	20.3
2 21	11 56.41	− 5 43.0	2.169	3.063	9.4	20.1
3 2	11 49.86	− 5 17.1	2.122	3.076	6.0	19.9
3 12	11 42.33	− 4 39.9	2.103	3.089	2.8	19.8
3 22	11 34.60	− 3 55.7	2.113	3.102	2.7	19.8
4 1	11 27.47	− 3 9.6	2.152	3.115	5.9	20.0
4 11	11 21.65	− 2 26.8	2.218	3.128	9.1	20.2
4 21	11 17.57	− 1 51.3	2.308	3.141	12.0	20.4

468886 2013 VC_{7} 3 14.9 146.°51 2.°2/12.3 18

2 11	12 1.16	+ 6 4.5	2.366	3.211	10.6	21.7
2 21	11 56.21	+ 7 11.0	2.299	3.220	7.6	21.5
3 2	11 49.72	+ 8 23.9	2.258	3.228	4.4	21.3
3 12	11 42.30	+ 9 37.3	2.247	3.236	2.2	21.2
3 22	11 34.68	+10 45.0	2.266	3.243	4.2	21.3
4 1	11 27.62	+11 41.7	2.315	3.250	7.4	21.5
4 11	11 21.79	+12 23.8	2.389	3.256	10.3	21.7
4 21	11 17.64	+12 49.9	2.486	3.262	12.9	21.9

16565 1992 CZ_{1} 3 14.9 12.°62 1.°1/16.0 18 R

2 11	12 0.61	− 2 30.0	1.910	2.743	13.3	17.0
2 21	11 56.18	− 2 19.6	1.836	2.745	9.9	16.8
3 2	11 49.85	− 1 55.8	1.785	2.748	6.1	16.5
3 12	11 42.35	− 1 22.2	1.761	2.751	2.1	16.3
3 22	11 34.55	− 0 43.5	1.764	2.755	2.8	16.3
4 1	11 27.38	− 0 5.4	1.796	2.759	6.8	16.6
4 11	11 21.68	+ 0 26.8	1.853	2.764	10.6	16.8
4 21	11 17.98	+ 0 49.3	1.932	2.769	13.8	17.0

265704 2005 UN_{182} 3 14.9 88.°83 3.°1/18.2 18

2 11	12 1.98	− 9 31.4	1.863	2.667	14.8	20.6
2 21	11 57.17	− 9 11.4	1.793	2.680	11.5	20.4
3 2	11 50.41	− 8 31.0	1.746	2.693	7.7	20.2
3 12	11 42.48	− 7 33.4	1.725	2.706	4.2	20.0
3 22	11 34.29	− 6 24.1	1.732	2.719	3.6	20.0
4 1	11 26.83	− 5 10.4	1.767	2.732	6.8	20.2
4 11	11 20.93	− 4 0.1	1.828	2.744	10.4	20.5
4 21	11 17.12	− 2 59.2	1.912	2.757	13.6	20.7

459045 2012 AY_9 3 14.9 19°.10 4°.0/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.49	− 7 47.8	1.410	2.235	17.6	20.4
2 21	11 59.64	− 8 7.2	1.338	2.237	13.7	20.2
3 2	11 52.15	− 8 4.9	1.287	2.239	9.3	19.9
3 12	11 42.93	− 7 42.5	1.260	2.242	5.1	19.7
3 22	11 33.20	− 7 4.5	1.258	2.246	4.6	19.7
4 1	11 24.35	− 6 18.4	1.282	2.249	8.5	19.9
4 11	11 17.57	− 5 32.6	1.330	2.253	12.9	20.1
4 21	11 13.56	− 4 54.5	1.399	2.258	16.9	20.4

118170 1981 EV_{40} 3 14.9 125°.82 0°.4/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.87	+ 2 43.1	2.027	2.859	12.7	19.4
2 21	12 1.27	+ 2 48.2	1.957	2.869	9.2	19.2
3 2	11 52.73	+ 3 1.2	1.913	2.879	5.3	18.9
3 12	11 43.02	+ 3 18.1	1.896	2.889	1.2	18.7
3 22	11 33.07	+ 3 34.7	1.910	2.898	3.1	18.8
4 1	11 23.88	+ 3 46.8	1.953	2.907	7.2	19.1
4 11	11 16.28	+ 3 51.2	2.023	2.916	10.7	19.3
4 21	11 10.80	+ 3 45.9	2.115	2.924	13.8	19.5

424765 2008 TC_{78} 3 14.9 228°.96 1°.6/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.23	+ 5 1.4	2.074	2.919	11.9	21.8
2 21	11 57.99	+ 5 34.7	1.994	2.914	8.6	21.6
3 2	11 50.89	+ 6 15.4	1.940	2.910	4.9	21.4
3 12	11 42.61	+ 6 58.3	1.913	2.905	1.7	21.1
3 22	11 33.98	+ 7 38.0	1.916	2.900	3.9	21.3
4 1	11 25.95	+ 8 9.2	1.947	2.895	7.7	21.5
4 11	11 19.34	+ 8 28.3	2.005	2.889	11.2	21.7
4 21	11 14.68	+ 8 33.3	2.084	2.884	14.3	21.9

239461 2007 TQ_{281} 3 14.9 205°.71 0°.1/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.02	+ 0 9.9	2.485	3.313	10.7	21.6
2 21	11 56.13	+ 0 43.1	2.399	3.309	7.9	21.4
3 2	11 49.72	+ 1 26.1	2.339	3.305	4.6	21.1
3 12	11 42.33	+ 2 15.1	2.308	3.300	1.0	20.9
3 22	11 34.66	+ 3 5.4	2.307	3.295	2.6	21.0
4 1	11 27.45	+ 3 52.3	2.335	3.290	6.1	21.2
4 11	11 21.37	+ 4 31.4	2.391	3.284	9.3	21.4
4 21	11 16.90	+ 4 59.8	2.471	3.279	12.1	21.6

192274 1169 T-$_3$ 3 14.9 100°.31 0°.8/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.04	− 1 10.9	1.704	2.532	14.8	21.3
2 21	12 2.32	− 1 2.9	1.645	2.553	11.0	21.1
3 2	11 53.39	− 0 41.9	1.610	2.574	6.5	20.9
3 12	11 43.17	− 0 11.9	1.603	2.594	1.9	20.6
3 22	11 32.79	+ 0 21.5	1.624	2.614	3.1	20.8
4 1	11 23.39	+ 0 52.5	1.673	2.633	7.6	21.1
4 11	11 15.90	+ 1 16.1	1.749	2.652	11.6	21.3
4 21	11 10.85	+ 1 29.0	1.846	2.670	14.9	21.6

472301 2014 WY_{480} 3 14.9 236°.13 6°.3/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.17	−19 13.7	2.179	2.921	14.8	20.9
2 21	11 56.62	−19 20.9	2.082	2.914	12.4	20.8
3 2	11 50.17	−19 4.4	2.005	2.907	9.8	20.6
3 12	11 42.46	−18 23.8	1.953	2.899	7.4	20.4
3 22	11 34.31	−17 21.5	1.928	2.891	6.3	20.3
4 1	11 26.65	−16 2.8	1.931	2.883	7.4	20.4
4 11	11 20.33	−14 35.3	1.960	2.874	9.9	20.5
4 21	11 15.94	−13 7.3	2.014	2.865	12.7	20.7

107296 2001 CS_3 3 14.9 4°.75 0°.1/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.82	+ 1 24.4	1.543	2.393	15.0	18.9
2 21	11 58.90	+ 1 21.7	1.473	2.393	11.1	18.6
3 2	11 51.61	+ 1 30.4	1.425	2.393	6.5	18.4
3 12	11 42.80	+ 1 46.1	1.402	2.395	1.6	18.0
3 22	11 33.59	+ 2 3.7	1.407	2.397	3.5	18.2
4 1	11 25.22	+ 2 17.8	1.438	2.400	8.3	18.5
4 11	11 18.73	+ 2 23.4	1.493	2.403	12.7	18.7
4 21	11 14.73	+ 2 17.8	1.568	2.408	16.4	19.0

136384 2004 FS_{104} 3 14.9 192°.06 1°.7/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.10	+ 5 11.3	2.666	3.509	9.6	20.3
2 21	11 54.64	+ 6 13.0	2.588	3.507	6.9	20.1
3 2	11 48.80	+ 7 21.4	2.536	3.506	3.9	19.9
3 12	11 42.12	+ 8 31.5	2.514	3.504	1.7	19.7
3 22	11 35.20	+ 9 37.9	2.523	3.501	3.6	19.9
4 1	11 28.71	+10 35.8	2.561	3.499	6.6	20.1
4 11	11 23.26	+11 21.4	2.626	3.496	9.4	20.2
4 21	11 19.26	+11 52.9	2.714	3.492	11.8	20.4

346098 2007 VL_{48} 3 14.9 134°.06 1°.1/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.45	+ 4 24.5	2.504	3.341	10.4	21.3
2 21	11 57.06	+ 4 53.3	2.434	3.350	7.5	21.1
3 2	11 50.19	+ 5 28.1	2.390	3.358	4.2	20.9
3 12	11 42.44	+ 6 4.8	2.375	3.367	1.3	20.7
3 22	11 34.50	+ 6 39.1	2.390	3.375	3.1	20.8
4 1	11 27.12	+ 7 7.0	2.435	3.382	6.4	21.1
4 11	11 20.92	+ 7 25.5	2.507	3.390	9.3	21.3
4 21	11 16.35	+ 7 32.9	2.603	3.397	11.9	21.5

136451 2005 EU_{154} 3 14.9 205°.32 1°.2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.89	+ 3 5.8	1.888	2.730	13.0	21.0
2 21	11 59.38	+ 3 44.6	1.808	2.727	9.5	20.8
3 2	11 51.79	+ 4 33.6	1.753	2.723	5.4	20.5
3 12	11 42.85	+ 5 27.3	1.726	2.718	1.5	20.3
3 22	11 33.52	+ 6 19.3	1.727	2.713	3.9	20.4
4 1	11 24.83	+ 7 3.2	1.757	2.708	8.1	20.7
4 11	11 17.73	+ 7 34.1	1.813	2.702	12.0	20.9
4 21	11 12.80	+ 7 49.7	1.890	2.695	15.3	21.1

246908 1998 MU_1 3 14.9 227°.32 2°.0/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.62	+ 7 19.2	2.803	3.647	9.2	21.2
2 21	11 55.00	+ 8 8.6	2.717	3.638	6.6	21.0
3 2	11 49.02	+ 9 2.7	2.660	3.628	3.8	20.8
3 12	11 42.18	+ 9 57.1	2.631	3.619	2.0	20.6
3 22	11 35.09	+10 47.2	2.633	3.609	3.8	20.7
4 1	11 28.39	+11 28.7	2.665	3.599	6.6	20.9
4 11	11 22.67	+11 58.6	2.723	3.588	9.3	21.1
4 21	11 18.37	+12 15.4	2.804	3.577	11.6	21.2

27040 1998 RD_{62} 3 14.9 83°.31 0°.5/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.57	− 0 52.7	1.364	2.207	17.0	17.5
2 21	12 2.40	− 0 36.3	1.311	2.227	12.5	17.3
3 2	11 53.60	− 0 3.9	1.279	2.246	7.4	17.0
3 12	11 43.25	+ 0 38.8	1.273	2.265	1.9	16.7
3 22	11 32.71	+ 1 24.4	1.294	2.284	3.7	16.9
4 1	11 23.36	+ 2 5.1	1.341	2.303	8.8	17.2
4 11	11 16.28	+ 2 34.7	1.412	2.321	13.4	17.6
4 21	11 12.03	+ 2 49.8	1.504	2.339	17.1	17.8

463323 2012 KP_{25} 3 14.9 304°.69 4°.0/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.70	+ 9 43.5	1.638	2.502	13.5	21.2
2 21	11 58.08	+10 43.7	1.565	2.494	9.8	21.0
3 2	11 51.15	+11 49.9	1.516	2.485	6.0	20.8
3 12	11 42.72	+12 53.5	1.493	2.477	4.0	20.6
3 22	11 33.85	+13 46.3	1.497	2.469	6.5	20.7
4 1	11 25.72	+14 21.4	1.527	2.461	10.5	20.9
4 11	11 19.36	+14 35.2	1.581	2.454	14.4	21.2
4 21	11 15.39	+14 27.4	1.654	2.446	17.7	21.4

200579 2001 QF_{105} 3 14.9 229°.89 2°.5/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.69	− 6 15.1	1.646	2.465	15.7	21.0
2 21	12 0.37	− 6 2.9	1.557	2.456	12.1	20.7
3 2	11 52.57	− 5 30.7	1.490	2.446	7.9	20.5
3 12	11 43.08	− 4 41.3	1.450	2.436	3.6	20.2
3 22	11 32.98	− 3 40.2	1.436	2.426	3.6	20.2
4 1	11 23.52	− 2 35.2	1.450	2.415	8.0	20.4
4 11	11 15.85	− 1 34.7	1.490	2.403	12.5	20.6
4 21	11 10.70	− 0 45.3	1.551	2.391	16.5	20.8

304043 2006 DN_{150} 3 14.9 261°.55 1°.6/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.09	− 4 38.0	1.544	2.376	15.9	20.6
2 21	11 58.55	− 4 10.3	1.459	2.368	12.1	20.3
3 2	11 51.54	− 3 21.9	1.397	2.359	7.5	20.0
3 12	11 42.84	− 2 17.0	1.360	2.350	2.8	19.7
3 22	11 33.57	− 1 2.8	1.350	2.340	3.4	19.7
4 1	11 24.98	+ 0 11.8	1.366	2.331	8.4	20.0
4 11	11 18.22	+ 1 17.7	1.407	2.322	13.0	20.2
4 21	11 14.01	+ 2 8.7	1.470	2.312	17.1	20.5

58393 1995 UU_{12} 3 14.9 81°.47 0°.0/15.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.03	− 0 6.6	2.296	3.126	11.4	20.9
2 21	11 56.12	+ 0 23.5	2.231	3.142	8.3	20.7
3 2	11 49.68	+ 1 3.6	2.192	3.158	4.8	20.5
3 12	11 42.34	+ 1 49.4	2.182	3.174	1.1	20.3
3 22	11 34.85	+ 2 36.1	2.201	3.190	2.6	20.4
4 1	11 27.96	+ 3 18.9	2.249	3.206	6.2	20.7
4 11	11 22.33	+ 3 53.5	2.324	3.221	9.3	20.9
4 21	11 18.39	+ 4 17.4	2.422	3.237	12.1	21.1

387342 2012 WX_7 3 14.9 144°.20 4°.2/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.53	−13 31.5	2.452	3.221	12.6	21.0
2 21	11 55.86	−13 36.4	2.364	3.223	10.2	20.9
3 2	11 49.60	−13 23.8	2.300	3.225	7.5	20.7
3 12	11 42.35	−12 54.8	2.262	3.227	5.0	20.5
3 22	11 34.79	−12 12.0	2.252	3.228	4.2	20.5
4 1	11 27.71	−11 19.9	2.271	3.230	6.0	20.6
4 11	11 21.80	−10 24.2	2.318	3.232	8.6	20.8
4 21	11 17.54	− 9 30.3	2.389	3.233	11.3	20.9

341084 2007 HD_{90} 3 14.9 273°.14 3°.7/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.15	+ 8 32.5	1.910	2.770	12.1	20.3
2 21	11 55.99	+ 9 59.9	1.830	2.758	8.7	20.1
3 2	11 49.86	+11 35.3	1.776	2.746	5.3	19.9
3 12	11 42.43	+13 10.5	1.750	2.734	3.8	19.8
3 22	11 34.58	+14 36.7	1.753	2.721	6.2	19.9
4 1	11 27.29	+15 46.2	1.783	2.709	9.8	20.1
4 11	11 21.45	+16 34.2	1.837	2.696	13.3	20.2
4 21	11 17.64	+16 59.5	1.911	2.684	16.3	20.4

419821 2010 XG_{19} 3 14.9 90°.42 3°.1/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 2.22	− 9 48.2	1.784	2.588	15.3	21.7
2 21	11 57.42	− 9 20.2	1.716	2.604	11.8	21.5
3 2	11 50.61	− 8 30.3	1.671	2.619	8.0	21.3
3 12	11 42.58	− 7 22.3	1.652	2.634	4.2	21.1
3 22	11 34.31	− 6 2.5	1.660	2.648	3.6	21.1
4 1	11 26.82	− 4 39.0	1.697	2.663	6.9	21.3
4 11	11 20.96	− 3 20.1	1.760	2.677	10.7	21.5
4 21	11 17.26	− 2 12.4	1.846	2.691	14.0	21.8

96021 2004 PD_{12} 3 14.9 166°.93 0°.1/14.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.71	+ 0 9.0	2.661	3.483	10.3	21.4
2 21	11 57.22	+ 0 46.6	2.582	3.489	7.5	21.2
3 2	11 50.30	+ 1 33.3	2.530	3.494	4.4	21.0
3 12	11 42.50	+ 2 25.3	2.507	3.499	1.0	20.8
3 22	11 34.48	+ 3 18.0	2.515	3.503	2.5	20.9
4 1	11 26.95	+ 4 7.0	2.553	3.506	5.8	21.1
4 11	11 20.53	+ 4 48.2	2.620	3.509	8.8	21.3
4 21	11 15.65	+ 5 18.9	2.711	3.510	11.3	21.5

11685 Adamcurry 3 14.9 258°.65 1°.3/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 5.59	− 2 25.5	1.633	2.465	15.2	18.7
2 21	12 0.29	− 2 18.8	1.546	2.456	11.4	18.4
3 2	11 52.52	− 1 56.6	1.483	2.446	7.1	18.1
3 12	11 43.08	− 1 22.1	1.445	2.436	2.4	17.8
3 22	11 33.05	− 0 40.8	1.435	2.426	3.3	17.8
4 1	11 23.68	+ 0 0.5	1.452	2.415	8.2	18.1
4 11	11 16.11	+ 0 35.0	1.494	2.405	12.7	18.3
4 21	11 11.06	+ 0 58.0	1.558	2.394	16.6	18.5

379648 2011 EA_{22} 3 14.9 138°.50 0°.8/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.54	+ 2 50.7	1.935	2.776	12.8	20.8
2 21	11 59.02	+ 3 13.0	1.862	2.779	9.3	20.6
3 2	11 51.52	+ 3 44.3	1.814	2.782	5.4	20.4
3 12	11 42.80	+ 4 20.0	1.793	2.785	1.3	20.1
3 22	11 33.78	+ 4 54.6	1.801	2.788	3.5	20.2
4 1	11 25.45	+ 5 22.9	1.837	2.791	7.6	20.5
4 11	11 18.68	+ 5 40.8	1.899	2.793	11.3	20.7
4 21	11 14.00	+ 5 46.2	1.983	2.796	14.4	20.9

133103 2003 OG_{7} 3 14.9 129°.05 1°.0/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 4.95	− 4 13.4	1.938	2.756	13.7	21.1
2 21	11 59.23	− 3 31.7	1.871	2.772	10.2	20.9
3 2	11 51.59	− 2 34.1	1.828	2.788	6.2	20.7
3 12	11 42.82	− 1 25.4	1.813	2.803	2.1	20.5
3 22	11 33.83	− 0 12.0	1.828	2.818	2.8	20.6
4 1	11 25.60	+ 0 58.7	1.872	2.832	6.9	20.8
4 11	11 18.95	+ 2 0.4	1.942	2.845	10.6	21.1
4 21	11 14.38	+ 2 48.8	2.036	2.857	13.8	21.3

148684 2001 SZ_{229} 3 14.9 213°.70 0°.1/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.88	− 0 27.4	2.039	2.870	12.6	20.8
2 21	11 57.82	+ 0 10.7	1.954	2.865	9.3	20.6
3 2	11 50.86	+ 1 1.6	1.893	2.859	5.4	20.3
3 12	11 42.67	+ 2 0.7	1.861	2.853	1.3	20.0
3 22	11 34.10	+ 3 1.9	1.858	2.847	3.0	20.1
4 1	11 26.09	+ 3 59.0	1.884	2.840	7.2	20.4
4 11	11 19.48	+ 4 46.2	1.936	2.833	10.9	20.6
4 21	11 14.85	+ 5 20.0	2.010	2.825	14.2	20.8

406926 2009 FC_{66} 3 14.9 148°.21 0°.2/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 13.94	+ 1 44.4	2.045	2.862	13.1	21.3
2 21	12 5.71	+ 1 33.9	1.970	2.874	9.7	21.1
3 2	11 55.36	+ 1 31.2	1.921	2.885	5.7	20.9
3 12	11 43.70	+ 1 33.3	1.903	2.895	1.4	20.6
3 22	11 31.79	+ 1 36.8	1.915	2.904	3.0	20.7
4 1	11 20.70	+ 1 38.1	1.958	2.912	7.1	21.0
4 11	11 11.35	+ 1 34.0	2.029	2.920	10.8	21.2
4 21	11 4.32	+ 1 22.5	2.124	2.926	13.9	21.5

3900 Knežević 3 14.9 130°.24 1°.3/16.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.50	− 2 40.7	1.750	2.574	14.7	17.5
2 21	12 1.31	− 2 31.8	1.680	2.585	11.0	17.3
3 2	11 52.91	− 2 8.3	1.635	2.596	6.7	17.0
3 12	11 43.14	− 1 33.9	1.616	2.606	2.3	16.8
3 22	11 33.08	− 0 54.1	1.625	2.616	3.1	16.9
4 1	11 23.84	− 0 15.0	1.663	2.625	7.5	17.1
4 11	11 16.41	+ 0 17.5	1.727	2.633	11.5	17.4
4 21	11 11.34	+ 0 39.6	1.813	2.641	14.9	17.6

204454 2004 XH_{171} 3 14.9 91°.79 4°.0/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 1.59	−11 37.4	1.961	2.752	14.6	20.3
2 21	11 56.94	−11 34.3	1.880	2.756	11.6	20.1
3 2	11 50.37	−11 10.7	1.822	2.759	8.2	19.9
3 12	11 42.56	−10 28.3	1.789	2.763	5.1	19.7
3 22	11 34.41	− 9 31.2	1.784	2.767	4.2	19.6
4 1	11 26.87	− 8 25.6	1.806	2.770	6.8	19.8
4 11	11 20.80	− 7 19.0	1.855	2.774	10.2	20.0
4 21	11 16.77	− 6 18.1	1.928	2.777	13.3	20.2

473162 2015 KP_{30} 3 14.9 254°.43 4°.2/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	11 59.13	−14 42.5	2.515	3.278	12.5	21.7
2 21	11 54.88	−14 35.2	2.416	3.270	10.2	21.5
3 2	11 49.07	−14 9.4	2.340	3.262	7.5	21.4
3 12	11 42.25	−13 25.9	2.291	3.254	5.1	21.2
3 22	11 35.10	−12 27.7	2.270	3.245	4.3	21.1
4 1	11 28.35	−11 19.5	2.277	3.236	5.9	21.2
4 11	11 22.69	−10 7.6	2.313	3.228	8.6	21.4
4 21	11 18.64	− 8 57.8	2.373	3.219	11.3	21.5

120967 1998 VL_{30} 3 14.9 108°.55 1°.7/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 8.04	+ 3 32.9	1.592	2.438	14.8	20.5
2 21	12 1.71	+ 4 24.0	1.539	2.459	10.7	20.3
3 2	11 53.10	+ 5 25.4	1.510	2.480	6.0	20.0
3 12	11 43.18	+ 6 29.8	1.508	2.500	1.9	19.8
3 22	11 33.11	+ 7 28.9	1.535	2.519	4.5	20.0
4 1	11 24.08	+ 8 15.9	1.589	2.538	9.0	20.3
4 11	11 17.04	+ 8 46.3	1.668	2.555	12.9	20.6
4 21	11 12.51	+ 8 58.7	1.767	2.573	16.2	20.9

49986 2000 AF_{2} 3 14.9 130°.65 4°.0/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 9.66	+ 9 55.7	1.548	2.404	14.6	19.1
2 21	12 3.06	+10 47.7	1.492	2.416	10.6	18.9
3 2	11 53.97	+11 43.8	1.459	2.427	6.4	18.6
3 12	11 43.39	+12 35.2	1.453	2.438	4.0	18.5
3 22	11 32.59	+13 14.2	1.475	2.448	6.5	18.7
4 1	11 22.86	+13 35.0	1.524	2.458	10.5	18.9
4 11	11 15.24	+13 35.5	1.596	2.467	14.4	19.2
4 21	11 10.30	+13 16.4	1.689	2.475	17.6	19.4

195404 2002 GY_{23} 3 14.9 326°.30 3°.0/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.41	+ 8 9.4	1.490	2.356	14.5	19.1
2 21	11 58.92	+ 8 32.9	1.406	2.336	10.7	18.9
3 2	11 51.84	+ 9 2.8	1.345	2.316	6.3	18.6
3 12	11 42.96	+ 9 32.1	1.308	2.298	3.1	18.3
3 22	11 33.44	+ 9 53.8	1.298	2.280	5.7	18.4
4 1	11 24.61	+10 1.7	1.314	2.263	10.4	18.6
4 11	11 17.69	+ 9 51.8	1.352	2.247	14.9	18.8
4 21	11 13.43	+ 9 23.6	1.409	2.231	18.8	19.0

384257 2009 EX_{18} 3 14.9 346°.27 0°.9/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	11 59.73	+ 2 23.0	1.921	2.769	12.6	20.9
2 21	11 55.59	+ 3 0.9	1.844	2.765	9.1	20.6
3 2	11 49.58	+ 3 49.4	1.791	2.761	5.2	20.4
3 12	11 42.38	+ 4 43.3	1.766	2.758	1.3	20.1
3 22	11 34.85	+ 5 36.2	1.768	2.755	3.6	20.3
4 1	11 27.92	+ 6 22.0	1.798	2.753	7.6	20.5
4 11	11 22.42	+ 6 55.9	1.854	2.751	11.4	20.7
4 21	11 18.88	+ 7 14.9	1.931	2.749	14.6	20.9

419828 2010 XX_{45} 3 14.9 192°.32 6°.0/ 7.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.23	+17 58.9	2.191	3.048	10.9	21.1
2 21	11 57.99	+19 37.3	2.129	3.046	8.3	20.9
3 2	11 50.92	+21 13.9	2.094	3.044	6.4	20.8
3 12	11 42.69	+22 40.0	2.087	3.041	6.3	20.8
3 22	11 34.16	+23 48.4	2.109	3.038	8.1	20.9
4 1	11 26.25	+24 34.2	2.157	3.034	10.7	21.1
4 11	11 19.74	+24 55.8	2.229	3.030	13.3	21.2
4 21	11 15.19	+24 54.6	2.319	3.025	15.5	21.4

377191 2003 UU_{350} 3 14.9 118°.43 2°.7/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 3.55	+ 8 59.6	2.244	3.092	11.0	22.2
2 21	11 58.00	+ 9 45.2	2.183	3.105	7.9	22.0
3 2	11 50.80	+10 34.1	2.149	3.117	4.7	21.8
3 12	11 42.64	+11 20.8	2.143	3.129	2.7	21.7
3 22	11 34.33	+11 59.8	2.167	3.141	4.7	21.9
4 1	11 26.67	+12 27.1	2.220	3.152	7.8	22.1
4 11	11 20.39	+12 40.1	2.298	3.163	10.8	22.3
4 21	11 15.92	+12 38.3	2.398	3.174	13.3	22.5

434873 2006 SR_{323} 3 14.9 195°.74 2°.7/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 2.53	+10 24.9	2.619	3.465	9.7	21.8
2 21	11 57.16	+11 1.8	2.543	3.463	7.0	21.6
3 2	11 50.30	+11 40.8	2.494	3.461	4.3	21.5
3 12	11 42.54	+12 17.2	2.475	3.459	2.7	21.4
3 22	11 34.55	+12 46.7	2.485	3.456	4.4	21.5
4 1	11 27.06	+13 5.7	2.525	3.453	7.2	21.6
4 11	11 20.71	+13 12.0	2.591	3.450	9.9	21.8
4 21	11 15.95	+13 5.2	2.680	3.446	12.3	22.0

243004 2006 UF_{6} 3 14.9 205°.33 2°.2/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 0.98	+ 8 4.2	2.698	3.542	9.5	21.2
2 21	11 56.02	+ 8 46.9	2.618	3.538	6.8	21.0
3 2	11 49.64	+ 9 33.5	2.565	3.534	4.0	20.9
3 12	11 42.39	+10 19.5	2.542	3.529	2.2	20.7
3 22	11 34.90	+11 0.5	2.549	3.524	3.9	20.8
4 1	11 27.85	+11 32.4	2.585	3.519	6.8	21.0
4 11	11 21.87	+11 52.5	2.648	3.514	9.5	21.2
4 21	11 17.38	+11 59.8	2.734	3.508	11.9	21.3

81966 2000 QJ_{41} 3 14.9 251°.77 2°.7/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 1.94	− 7 37.6	2.394	3.192	12.1	19.7
2 21	11 56.95	− 7 41.9	2.301	3.185	9.4	19.5
3 2	11 50.30	− 7 32.2	2.232	3.178	6.3	19.3
3 12	11 42.57	− 7 10.1	2.190	3.171	3.4	19.1
3 22	11 34.47	− 6 38.7	2.178	3.164	3.1	19.1
4 1	11 26.82	− 6 2.2	2.195	3.157	5.9	19.3
4 11	11 20.34	− 5 25.4	2.239	3.150	9.0	19.4
4 21	11 15.57	− 4 52.9	2.307	3.143	11.9	19.6

359915 2011 WC_{116} 3 14.9 216°.14 4°.0/11.3 18

2 11	12 6.67	+10 25.5	1.804	2.659	13.0	21.2
2 21	12 0.84	+11 25.9	1.728	2.652	9.5	20.9
3 2	11 52.73	+12 31.0	1.677	2.644	5.9	20.7
3 12	11 43.15	+13 32.8	1.654	2.636	4.0	20.6
3 22	11 33.13	+14 23.6	1.658	2.627	6.4	20.7
4 1	11 23.83	+14 57.1	1.691	2.618	10.1	20.9
4 11	11 16.25	+15 10.2	1.747	2.608	13.8	21.1
4 21	11 11.02	+15 2.9	1.824	2.598	16.9	21.3

284465 2007 GU_{53} 3 14.9 89°.71 4°.0/11.7 18

2 11	12 5.81	+ 7 48.5	1.374	2.240	15.5	20.8
2 21	12 0.43	+ 9 7.1	1.325	2.255	11.2	20.6
3 2	11 52.50	+10 33.3	1.299	2.270	6.6	20.3
3 12	11 43.07	+11 56.4	1.299	2.286	4.0	20.2
3 22	11 33.44	+13 6.1	1.326	2.301	6.8	20.4
4 1	11 24.94	+13 54.7	1.378	2.315	11.1	20.7
4 11	11 18.61	+14 18.7	1.453	2.330	15.1	21.0
4 21	11 14.99	+14 18.7	1.546	2.344	18.5	21.2

2056 Nancy 3 14.9 158°.66 2°.0/16.8 18

2 11	12 5.65	− 6 0.4	1.675	2.493	15.5	16.3
2 21	12 0.14	− 5 31.6	1.600	2.499	11.8	16.0
3 2	11 52.33	− 4 42.8	1.547	2.505	7.5	15.8
3 12	11 43.05	− 3 38.2	1.522	2.510	3.1	15.5
3 22	11 33.39	− 2 24.5	1.524	2.514	3.3	15.5
4 1	11 24.53	− 1 10.2	1.554	2.517	7.7	15.8
4 11	11 17.46	− 0 3.4	1.610	2.520	11.9	16.1
4 21	11 12.81	+ 0 50.2	1.688	2.523	15.6	16.3

391546 2007 TL_{7} 3 14.9 123°.27 1°.0/16.3 17

2 11	12 0.64	− 3 56.2	2.479	3.293	11.2	22.1
2 21	11 55.81	− 3 26.7	2.405	3.304	8.4	21.9
3 2	11 49.53	− 2 45.0	2.356	3.315	5.1	21.7
3 12	11 42.36	− 1 54.7	2.336	3.326	1.8	21.5
3 22	11 35.01	− 1 0.1	2.345	3.336	2.3	21.5
4 1	11 28.17	− 0 6.2	2.385	3.345	5.6	21.8
4 11	11 22.49	+ 0 42.2	2.452	3.355	8.7	22.0
4 21	11 18.39	+ 1 21.6	2.543	3.364	11.4	22.2

92385 2000 HL_{81} 3 15.0 278°.65 2°.8/17.2 18

2 11	12 2.84	− 7 7.8	1.453	2.281	17.0	19.8
2 21	11 58.61	− 6 50.0	1.364	2.266	13.2	19.5
3 2	11 51.73	− 6 8.1	1.295	2.252	8.7	19.2
3 12	11 42.98	− 5 5.0	1.251	2.238	4.0	18.9
3 22	11 33.50	− 3 47.0	1.233	2.224	3.9	18.8
4 1	11 24.68	− 2 23.9	1.242	2.209	8.7	19.1
4 11	11 17.77	− 1 6.3	1.274	2.195	13.6	19.3
4 21	11 13.57	− 0 2.3	1.327	2.180	17.9	19.5

309809 2009 BP_{87} 3 15.0 95°.84 2°.3/13.1 18

2 11	12 4.02	+ 4 18.6	1.484	2.342	15.0	21.1
2 21	11 59.11	+ 5 17.6	1.421	2.347	10.9	20.9
3 2	11 51.78	+ 6 28.4	1.380	2.352	6.2	20.6
3 12	11 42.93	+ 7 42.6	1.366	2.357	2.3	20.4
3 22	11 33.74	+ 8 50.9	1.379	2.362	5.2	20.6
4 1	11 25.46	+ 9 45.1	1.419	2.367	9.8	20.9
4 11	11 19.14	+10 19.9	1.482	2.372	14.1	21.1
4 21	11 15.37	+10 33.6	1.564	2.377	17.6	21.4

79883 1999 AL_{3} 3 15.0 64°.45 17°.0/26.5 18

2 11	12 16.34	+47 28.2	1.564	2.351	17.9	18.1
2 21	12 8.31	+49 26.7	1.576	2.379	17.1	18.1
3 2	11 56.97	+50 47.0	1.607	2.407	17.1	18.1
3 12	11 44.04	+51 20.4	1.656	2.435	17.7	18.3
3 22	11 31.51	+51 5.5	1.723	2.463	18.6	18.4
4 1	11 21.12	+50 6.6	1.805	2.491	19.7	18.6
4 11	11 13.95	+48 32.5	1.901	2.518	20.8	18.7
4 21	11 10.26	+46 32.5	2.008	2.546	21.6	18.9

429313 2010 EZ_{32} 3 15.0 342°.64 0°.2/14.8 17

2 11	11 59.86	− 0 30.9	2.054	2.890	12.3	21.3
2 21	11 55.58	+ 0 15.4	1.975	2.890	9.0	21.1
3 2	11 49.54	+ 1 14.4	1.922	2.889	5.3	20.9
3 12	11 42.40	+ 2 21.3	1.897	2.889	1.2	20.6
3 22	11 34.95	+ 3 29.7	1.900	2.889	3.0	20.7
4 1	11 28.07	+ 4 33.1	1.932	2.889	7.0	21.0
4 11	11 22.54	+ 5 25.9	1.990	2.888	10.6	21.2
4 21	11 18.85	+ 6 4.5	2.070	2.888	13.7	21.4

96110 4224 $T\text{-}_{2}$ 3 15.0 192°.53 1°.2/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 4.99	+ 1 58.4	1.831	2.671	13.4	21.4
2 21	11 59.53	+ 2 54.4	1.752	2.670	9.8	21.2
3 2	11 51.94	+ 4 3.2	1.698	2.667	5.6	20.9
3 12	11 42.98	+ 5 18.2	1.673	2.665	1.5	20.6
3 22	11 33.61	+ 6 31.7	1.676	2.661	4.0	20.8
4 1	11 24.92	+ 7 36.2	1.707	2.657	8.4	21.1
4 11	11 17.85	+ 8 25.8	1.765	2.652	12.3	21.3
4 21	11 13.01	+ 8 57.6	1.843	2.647	15.7	21.5

294511 2007 XO_{10} 3 15.0 164°.85 0°.6/15.7 17

2 11	12 0.62	− 2 11.6	2.625	3.444	10.5	21.7
2 21	11 55.77	− 1 41.1	2.544	3.447	7.8	21.6
3 2	11 49.51	− 1 0.0	2.489	3.451	4.7	21.4
3 12	11 42.38	− 0 11.7	2.463	3.454	1.4	21.1
3 22	11 35.02	+ 0 39.6	2.467	3.457	2.2	21.2
4 1	11 28.13	+ 1 29.2	2.501	3.459	5.5	21.4
4 11	11 22.31	+ 2 12.8	2.563	3.461	8.5	21.6
4 21	11 18.00	+ 2 47.3	2.649	3.463	11.2	21.8

135335 2001 TC_{3} 3 15.0 165°.02 0°.6/14.1 18

2 11	12 0.74	+ 2 33.6	3.014	3.841	9.1	21.6
2 21	11 55.68	+ 3 9.2	2.936	3.847	6.5	21.5
3 2	11 49.38	+ 3 51.3	2.885	3.852	3.7	21.3
3 12	11 42.34	+ 4 36.3	2.864	3.857	0.9	21.1
3 22	11 35.12	+ 5 20.5	2.875	3.861	2.5	21.2
4 1	11 28.31	+ 6 0.1	2.916	3.864	5.4	21.4
4 11	11 22.46	+ 6 31.9	2.985	3.867	8.0	21.6
4 21	11 17.94	+ 6 54.2	3.078	3.869	10.3	21.7

202778 Dmytria 3 15.0 102°.13 1°.9/16.9 17

2 11	12 3.38	− 5 5.6	2.307	3.115	12.1	20.4
2 21	11 57.90	− 5 5.5	2.233	3.127	9.2	20.2
3 2	11 50.79	− 4 52.8	2.184	3.138	5.9	20.0
3 12	11 42.68	− 4 29.9	2.163	3.149	2.7	19.9
3 22	11 34.35	− 4 0.2	2.171	3.160	2.7	19.9
4 1	11 26.60	− 3 28.2	2.209	3.171	5.8	20.1
4 11	11 20.15	− 2 58.4	2.274	3.182	9.0	20.3
4 21	11 15.48	− 2 34.6	2.363	3.192	11.9	20.5

333430 2003 QT_{110} 3 15.0 202°.65 0°.9/15.9 17

2 11	12 7.24	− 1 15.3	2.597	3.406	10.9	21.5
2 21	12 0.65	− 1 19.9	2.503	3.401	8.1	21.3
3 2	11 52.40	− 1 16.0	2.437	3.396	5.0	21.1
3 12	11 43.08	− 1 5.6	2.400	3.390	1.6	20.9
3 22	11 33.42	− 0 51.7	2.394	3.383	2.4	20.9
4 1	11 24.22	− 0 37.6	2.419	3.376	5.8	21.1
4 11	11 16.21	− 0 26.7	2.473	3.368	8.9	21.3
4 21	11 9.90	− 0 21.7	2.552	3.360	11.7	21.5

497806 2006 TW_{32} 3 15.0 132°.77 1°.8/17.5 17

2 11	11 59.38	− 7 25.0	2.774	3.570	10.6	22.7
2 21	11 54.79	− 6 55.3	2.695	3.581	8.1	22.5
3 2	11 48.91	− 6 12.4	2.641	3.591	5.3	22.3
3 12	11 42.24	− 5 19.1	2.617	3.601	2.5	22.1
3 22	11 35.39	− 4 19.5	2.622	3.610	2.3	22.1
4 1	11 28.99	− 3 18.0	2.657	3.620	5.0	22.3
4 11	11 23.61	− 2 19.6	2.721	3.629	7.8	22.5
4 21	11 19.64	− 1 28.2	2.810	3.637	10.2	22.7

357334 2003 OJ_{12} 3 15.0 207°.48 0°.3/15.4 17

2 11	12 2.38	− 4 57.6	2.049	2.865	13.1	21.4
2 21	11 57.51	− 3 27.2	1.957	2.859	9.8	21.2
3 2	11 50.73	− 1 36.2	1.890	2.853	5.9	20.9
3 12	11 42.71	+ 0 29.2	1.853	2.845	1.5	20.6
3 22	11 34.28	+ 2 40.2	1.847	2.837	3.0	20.7
4 1	11 26.38	+ 4 46.7	1.872	2.827	7.3	21.0
4 11	11 19.86	+ 6 39.8	1.925	2.818	11.2	21.2
4 21	11 15.30	+ 8 13.6	2.002	2.807	14.6	21.4

146336 2001 OK_{13} 3 15.0 193°.60 1°.4/13.3 17

2 11	12 3.70	+ 4 15.7	2.566	3.399	10.3	21.4
2 21	11 58.08	+ 5 4.3	2.482	3.397	7.4	21.2
3 2	11 50.89	+ 6 0.2	2.425	3.393	4.2	21.0
3 12	11 42.73	+ 6 58.6	2.398	3.389	1.5	20.7
3 22	11 34.28	+ 7 54.5	2.401	3.383	3.4	20.9
4 1	11 26.30	+ 8 42.9	2.435	3.377	6.7	21.1
4 11	11 19.47	+ 9 20.1	2.497	3.370	9.7	21.3
4 21	11 14.26	+ 9 44.2	2.582	3.363	12.3	21.4

333233 2012 HY_{48} 3 15.0 104°.10 7°.5/ 6.7 18

2 11	12 3.05	+20 12.6	1.816	2.680	12.4	20.4
2 21	11 58.12	+21 55.1	1.768	2.686	9.7	20.2
3 2	11 51.08	+23 32.3	1.745	2.691	7.8	20.1
3 12	11 42.77	+24 54.0	1.748	2.696	7.9	20.1
3 22	11 34.22	+25 52.3	1.778	2.701	9.8	20.2
4 1	11 26.49	+26 22.9	1.833	2.706	12.5	20.4
4 11	11 20.49	+26 25.3	1.909	2.712	15.2	20.6
4 21	11 16.74	+26 2.5	2.003	2.716	17.4	20.8