230511 2002 VD_{38} 3 3.9 139.°68 0.°6/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.61	+ 2 56.1	1.585	2.423	15.2	21.4
2 11	11 21.05	+ 3 18.0	1.519	2.433	11.1	21.1
2 21	11 12.11	+ 3 54.3	1.477	2.443	6.4	20.9
3 2	11 1.70	+ 4 39.9	1.462	2.452	1.4	20.6
3 12	10 51.09	+ 5 27.9	1.476	2.461	3.9	20.8
3 22	10 41.52	+ 6 11.2	1.517	2.468	8.7	21.1
4 1	10 34.03	+ 6 44.4	1.583	2.476	13.0	21.3
4 11	10 29.24	+ 7 4.2	1.670	2.482	16.6	21.6

54846 2001 OJ_5 3 3.9 125.°49 5.°3/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.49	−11 15.6	2.153	2.917	14.2	19.1
2 11	11 18.36	−11 32.1	2.079	2.933	11.5	18.9
2 21	11 10.44	−11 28.3	2.029	2.947	8.6	18.8
3 2	11 1.42	−11 4.7	2.005	2.961	6.1	18.6
3 12	10 52.21	−10 24.4	2.009	2.975	5.5	18.6
3 22	10 43.73	− 9 32.5	2.042	2.988	7.3	18.8
4 1	10 36.78	− 8 35.5	2.102	3.001	10.0	18.9
4 11	10 31.89	− 7 39.7	2.186	3.012	12.7	19.1

212736 2007 RC_{244} 3 3.9 146.°47 1.°9/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.76	+ 9 16.6	1.939	2.786	12.4	21.3
2 11	11 19.37	+10 5.5	1.876	2.797	8.8	21.1
2 21	11 11.03	+11 1.5	1.838	2.808	4.9	20.9
3 2	11 1.51	+11 58.2	1.829	2.817	1.9	20.7
3 12	10 51.86	+12 48.8	1.850	2.826	4.6	20.9
3 22	10 43.07	+13 28.0	1.899	2.834	8.5	21.1
4 1	10 36.00	+13 52.6	1.974	2.842	12.0	21.4
4 11	10 31.19	+14 1.4	2.071	2.848	15.0	21.6

175789 1999 RG_{58} 3 4.0 173.°86 0.°0/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.69	+ 3 24.3	2.054	2.886	12.4	21.6
2 11	11 17.88	+ 4 8.1	1.977	2.890	9.0	21.4
2 21	11 10.21	+ 5 4.1	1.926	2.893	5.1	21.2
3 2	11 1.38	+ 6 7.4	1.904	2.895	0.9	20.8
3 12	10 52.32	+ 7 11.6	1.912	2.896	3.4	21.0
3 22	10 43.97	+ 8 10.3	1.949	2.897	7.5	21.3
4 1	10 37.15	+ 8 58.6	2.013	2.896	11.1	21.5
4 11	10 32.42	+ 9 33.3	2.100	2.896	14.2	21.7

416923 2005 ST_{53} 3 4.0 83.°39 0.°2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.83	+ 5 40.3	1.762	2.607	13.6	21.1
2 11	11 18.84	+ 5 55.2	1.697	2.616	9.8	20.9
2 21	11 10.78	+ 6 19.9	1.658	2.626	5.5	20.6
3 2	11 1.47	+ 6 50.0	1.645	2.636	0.9	20.3
3 12	10 52.02	+ 7 19.6	1.661	2.645	3.8	20.6
3 22	10 43.49	+ 7 43.7	1.705	2.655	8.1	20.8
4 1	10 36.79	+ 7 58.3	1.775	2.665	12.0	21.1
4 11	10 32.46	+ 8 1.2	1.866	2.674	15.2	21.3

216268 2006 WY_{77} 3 4.0 28.°74 2.°4/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.53	− 3 20.8	2.292	3.104	12.0	20.7
2 11	11 14.04	− 3 5.5	2.212	3.106	9.2	20.5
2 21	11 8.00	− 2 35.4	2.156	3.108	6.0	20.3
3 2	11 1.01	− 1 52.9	2.128	3.110	3.0	20.1
3 12	10 53.82	− 1 2.4	2.129	3.113	3.1	20.1
3 22	10 47.20	− 0 9.0	2.159	3.115	6.2	20.3
4 1	10 41.84	+ 0 42.0	2.215	3.118	9.4	20.5
4 11	10 38.23	+ 1 26.0	2.296	3.121	12.2	20.7

236120 2005 SS_{137} 3 4.0 138.°38 0.°5/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.19	+ 2 6.8	1.577	2.417	15.2	21.1
2 11	11 19.33	+ 2 49.0	1.512	2.427	11.1	20.9
2 21	11 11.16	+ 3 47.7	1.469	2.436	6.4	20.7
3 2	11 1.56	+ 4 56.9	1.454	2.444	1.3	20.3
3 12	10 51.73	+ 6 8.1	1.467	2.452	3.9	20.5
3 22	10 42.90	+ 7 13.3	1.507	2.459	8.8	20.8
4 1	10 36.07	+ 8 5.8	1.573	2.466	13.1	21.1
4 11	10 31.86	+ 8 41.9	1.659	2.472	16.6	21.4

249523 Friedan 3 4.0 164.°92 5.°2/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.81	−18 8.3	3.066	3.776	11.5	21.3
2 11	11 13.24	−17 45.6	2.972	3.780	9.7	21.2
2 21	11 7.45	−17 3.2	2.902	3.784	7.7	21.1
3 2	11 0.91	−16 1.9	2.857	3.788	6.0	20.9
3 12	10 54.23	−14 44.5	2.842	3.791	5.2	20.9
3 22	10 47.99	−13 15.6	2.857	3.794	5.9	20.9
4 1	10 42.74	−11 40.8	2.900	3.796	7.6	21.1
4 11	10 38.88	−10 6.1	2.971	3.798	9.7	21.2

320941 2008 GC_{143} 3 4.0 291.°10 1.°0/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.42	+ 7 20.9	1.685	2.539	13.7	20.6
2 11	11 18.11	+ 7 47.3	1.606	2.530	9.9	20.4
2 21	11 10.54	+ 8 23.6	1.550	2.521	5.5	20.1
3 2	11 1.47	+ 9 4.5	1.521	2.512	1.2	19.8
3 12	10 52.03	+ 9 43.1	1.521	2.503	4.4	20.0
3 22	10 43.39	+10 13.4	1.547	2.494	9.0	20.2
4 1	10 36.56	+10 31.1	1.598	2.485	13.2	20.5
4 11	10 32.25	+10 33.8	1.669	2.477	16.8	20.7

39902 1998 FG_{30} 3 4.0 239.°79 0.°6/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.11	+ 2 57.6	1.968	2.800	12.9	19.5
2 11	11 19.16	+ 3 19.6	1.873	2.784	9.5	19.2
2 21	11 11.10	+ 3 54.2	1.803	2.768	5.6	18.9
3 2	11 1.58	+ 4 37.8	1.761	2.751	1.3	18.6
3 12	10 51.61	+ 5 24.7	1.748	2.733	3.5	18.7
3 22	10 42.22	+ 6 9.0	1.764	2.715	7.9	19.0
4 1	10 34.40	+ 6 45.5	1.807	2.695	11.9	19.2
4 11	10 28.85	+ 7 10.3	1.872	2.676	15.4	19.3

312852 2011 UA_{85} 3 4.0 25.°09 2.°7/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.02	− 1 5.1	1.344	2.186	17.1	20.6
2 11	11 18.13	− 1 3.9	1.278	2.190	12.9	20.4
2 21	11 10.64	− 0 42.3	1.233	2.194	8.1	20.1
3 2	11 1.50	− 0 3.7	1.213	2.199	3.4	19.9
3 12	10 52.05	+ 0 45.1	1.218	2.204	4.3	19.9
3 22	10 43.66	+ 1 35.8	1.249	2.210	9.1	20.2
4 1	10 37.48	+ 2 20.5	1.303	2.216	13.8	20.5
4 11	10 34.18	+ 2 53.2	1.378	2.222	17.7	20.8

178384 1997 SS_{18} 3 4.0 233.°11 0.°7/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.19	+ 6 30.1	2.016	2.858	12.3	21.3
2 11	11 18.38	+ 6 58.5	1.929	2.847	8.9	21.1
2 21	11 10.59	+ 7 36.2	1.868	2.837	4.9	20.8
3 2	11 1.49	+ 8 18.6	1.835	2.825	0.9	20.5
3 12	10 52.04	+ 9 0.0	1.832	2.814	3.8	20.7
3 22	10 43.23	+ 9 34.9	1.857	2.802	8.0	20.9
4 1	10 35.97	+ 9 59.3	1.908	2.789	11.7	21.1
4 11	10 30.90	+10 10.7	1.982	2.776	15.0	21.3

352657 2008 QS_{33} 3 4.0 58.°65 0.°7/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.04	+ 7 6.9	1.194	2.056	17.5	20.1
2 11	11 22.42	+ 7 16.3	1.149	2.076	12.6	19.8
2 21	11 12.95	+ 7 37.0	1.125	2.096	7.0	19.6
3 2	11 1.87	+ 8 2.4	1.126	2.116	1.2	19.3
3 12	10 50.83	+ 8 24.9	1.153	2.137	5.0	19.6
3 22	10 41.34	+ 8 38.3	1.205	2.157	10.4	19.9
4 1	10 34.54	+ 8 39.0	1.280	2.178	15.0	20.3
4 11	10 30.96	+ 8 25.5	1.373	2.199	18.8	20.6

312076 2007 TH_{41} 3 4.0 188.°99 1.°5/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.07	+ 8 22.2	2.024	2.869	12.1	21.8
2 11	11 18.94	+ 9 10.1	1.948	2.868	8.6	21.6
2 21	11 10.87	+10 6.3	1.897	2.867	4.8	21.4
3 2	11 1.55	+11 4.9	1.876	2.865	1.6	21.2
3 12	10 51.97	+11 59.2	1.884	2.862	4.4	21.3
3 22	10 43.12	+12 43.5	1.921	2.858	8.3	21.6
4 1	10 35.87	+13 14.1	1.984	2.854	11.9	21.8
4 11	10 30.80	+13 29.1	2.069	2.848	14.9	22.0

426773 2013 TW_{107} 3 4.0 136.°21 0.°8/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.47	+ 6 33.8	2.121	2.965	11.6	21.7
2 11	11 16.22	+ 7 15.4	2.051	2.971	8.3	21.5
2 21	11 9.27	+ 8 5.8	2.007	2.977	4.6	21.3
3 2	11 1.27	+ 8 59.9	1.992	2.982	1.0	21.0
3 12	10 53.11	+ 9 51.8	2.006	2.987	3.7	21.2
3 22	10 45.64	+10 36.2	2.049	2.992	7.4	21.5
4 1	10 39.61	+11 9.2	2.118	2.997	10.8	21.7
4 11	10 35.54	+11 28.7	2.209	3.001	13.7	21.9

212609 2006 SB_{320} 3 4.0 264.°61 4.°1/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.15	+18 10.0	2.302	3.160	10.3	20.6
2 11	11 16.67	+18 55.8	2.233	3.157	7.5	20.4
2 21	11 9.50	+19 40.8	2.191	3.154	4.9	20.2
3 2	11 1.31	+20 19.2	2.178	3.151	4.1	20.2
3 12	10 52.96	+20 45.6	2.194	3.148	6.1	20.3
3 22	10 45.28	+20 57.0	2.237	3.145	8.9	20.4
4 1	10 39.02	+20 51.8	2.306	3.142	11.7	20.6
4 11	10 34.68	+20 30.9	2.395	3.139	14.1	20.8

312245 2007 YM_{48} 3 4.0 102.°56 1.°1/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.76	+ 6 22.2	1.711	2.559	13.8	21.7
2 11	11 18.78	+ 7 13.0	1.657	2.578	9.8	21.5
2 21	11 10.75	+ 8 14.2	1.627	2.597	5.4	21.3
3 2	11 1.52	+ 9 19.2	1.624	2.615	1.2	21.0
3 12	10 52.23	+10 20.0	1.651	2.632	4.3	21.3
3 22	10 43.93	+11 10.3	1.705	2.649	8.6	21.6
4 1	10 37.51	+11 45.8	1.785	2.666	12.4	21.8
4 11	10 33.49	+12 4.7	1.886	2.682	15.5	22.1

500959 2013 QD_{42} 3 4.0 137.°94 0.°1/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.66	+ 4 25.2	1.980	2.818	12.6	22.0
2 11	11 17.90	+ 4 45.3	1.909	2.823	9.1	21.8
2 21	11 10.25	+ 5 15.8	1.862	2.829	5.2	21.5
3 2	11 1.45	+ 5 52.5	1.843	2.833	0.9	21.2
3 12	10 52.46	+ 6 30.0	1.854	2.838	3.4	21.4
3 22	10 44.24	+ 7 3.2	1.893	2.843	7.5	21.7
4 1	10 37.60	+ 7 28.0	1.958	2.847	11.1	21.9
4 11	10 33.11	+ 7 41.6	2.046	2.851	14.2	22.1

456681 2007 RO_{134} 3 4.0 146.°82 1.°3/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.06	+ 7 21.8	2.012	2.854	12.2	22.4
2 11	11 18.84	+ 8 15.6	1.947	2.866	8.7	22.2
2 21	11 10.75	+ 9 18.2	1.909	2.878	4.8	22.0
3 2	11 1.54	+10 23.3	1.899	2.888	1.4	21.8
3 12	10 52.18	+11 24.2	1.919	2.898	4.2	22.0
3 22	10 43.65	+12 15.0	1.969	2.907	8.0	22.3
4 1	10 36.73	+12 51.9	2.045	2.915	11.5	22.5
4 11	10 31.98	+13 13.2	2.142	2.922	14.4	22.7

156106 2001 SA_{244} 3 4.0 240.°77 3.°2/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.07	+11 52.6	1.723	2.580	13.3	20.7
2 11	11 20.14	+12 53.6	1.639	2.565	9.5	20.4
2 21	11 11.77	+14 2.3	1.579	2.549	5.5	20.2
3 2	11 1.75	+15 10.8	1.548	2.533	3.2	20.0
3 12	10 51.23	+16 10.3	1.545	2.516	6.2	20.1
3 22	10 41.46	+16 53.9	1.569	2.498	10.5	20.3
4 1	10 33.56	+17 17.4	1.618	2.479	14.5	20.5
4 11	10 28.29	+17 20.1	1.686	2.460	18.0	20.7

190151 2005 SR_{257} 3 4.0 183.°10 0.°8/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.86	+ 1 40.8	1.774	2.605	14.1	21.0
2 11	11 19.74	+ 2 14.4	1.697	2.607	10.4	20.8
2 21	11 11.42	+ 3 3.4	1.643	2.607	6.1	20.5
3 2	11 1.67	+ 4 2.9	1.617	2.607	1.5	20.2
3 12	10 51.61	+ 5 6.2	1.620	2.605	3.6	20.4
3 22	10 42.36	+ 6 5.8	1.652	2.603	8.2	20.6
4 1	10 34.92	+ 6 55.7	1.710	2.600	12.3	20.9
4 11	10 29.92	+ 7 31.7	1.789	2.597	15.8	21.1

116692 2004 CZ_{84} 3 4.0 113.°01 3.°1/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.07	+13 13.0	2.250	3.109	10.5	19.4
2 11	11 14.48	+14 28.9	2.185	3.113	7.4	19.2
2 21	11 8.29	+15 48.8	2.148	3.116	4.4	19.0
3 2	11 1.12	+17 6.0	2.139	3.120	3.2	18.9
3 12	10 53.79	+18 13.8	2.161	3.124	5.4	19.1
3 22	10 47.09	+19 7.2	2.210	3.127	8.5	19.3
4 1	10 41.72	+19 43.1	2.284	3.130	11.4	19.5
4 11	10 38.18	+20 1.0	2.380	3.134	13.9	19.7

21710 Nijhawan 3 4.0 103.°59 0.°8/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.79	+ 6 33.1	1.970	2.817	12.3	19.2
2 11	11 16.55	+ 7 12.5	1.903	2.824	8.8	18.9
2 21	11 9.50	+ 8 1.2	1.861	2.831	4.8	18.7
3 2	11 1.33	+ 8 53.9	1.847	2.837	1.0	18.5
3 12	10 53.00	+ 9 44.2	1.862	2.844	3.8	18.7
3 22	10 45.43	+10 26.7	1.906	2.850	7.8	18.9
4 1	10 39.42	+10 57.2	1.975	2.857	11.3	19.2
4 11	10 35.50	+11 13.8	2.066	2.863	14.3	19.4

427608 2003 SC_{285} 3 4.0 200.°60 3.°7/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.21	−10 35.5	2.581	3.348	12.1	21.9
2 11	11 14.47	− 9 59.8	2.485	3.344	9.6	21.7
2 21	11 8.27	− 9 4.6	2.413	3.340	6.9	21.5
3 2	11 1.13	− 7 51.8	2.369	3.335	4.5	21.4
3 12	10 53.76	− 6 25.6	2.355	3.330	3.9	21.3
3 22	10 46.87	− 4 52.0	2.371	3.324	5.9	21.4
4 1	10 41.10	− 3 17.6	2.416	3.318	8.7	21.6
4 11	10 36.96	− 1 48.8	2.486	3.311	11.4	21.8

160443 2005 TP_{36} 3 4.0 72.°61 0.°4/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.20	+ 4 54.9	1.705	2.554	13.8	21.1
2 11	11 17.05	+ 5 34.7	1.642	2.563	9.9	20.9
2 21	11 9.84	+ 6 26.7	1.604	2.573	5.5	20.6
3 2	11 1.40	+ 7 24.9	1.592	2.583	0.9	20.3
3 12	10 52.80	+ 8 22.0	1.609	2.593	3.9	20.6
3 22	10 45.09	+ 9 11.4	1.653	2.603	8.4	20.8
4 1	10 39.16	+ 9 48.1	1.723	2.613	12.3	21.1
4 11	10 35.58	+10 9.4	1.813	2.623	15.6	21.3

508601 2017 RQ_5 3 4.0 174.°67 0.°2/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.57	+ 4 6.8	2.293	3.128	11.2	22.0
2 11	11 15.52	+ 4 53.7	2.216	3.130	8.1	21.8
2 21	11 8.87	+ 5 51.2	2.165	3.132	4.5	21.6
3 2	11 1.24	+ 6 54.6	2.142	3.133	0.7	21.3
3 12	10 53.40	+ 7 58.1	2.151	3.134	3.2	21.5
3 22	10 46.16	+ 8 56.3	2.188	3.134	6.8	21.7
4 1	10 40.22	+ 9 44.6	2.252	3.134	10.1	21.9
4 11	10 36.09	+10 20.0	2.340	3.134	13.0	22.1

370961 2005 SA_{96} 3 4.0 216.°37 1.°8/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.15	+ 9 57.5	2.295	3.139	10.9	22.8
2 11	11 18.16	+10 38.4	2.210	3.131	7.8	22.6
2 21	11 10.41	+11 25.4	2.152	3.121	4.3	22.3
3 2	11 1.51	+12 13.3	2.123	3.111	1.8	22.1
3 12	10 52.32	+12 56.6	2.124	3.100	4.2	22.3
3 22	10 43.71	+13 30.6	2.155	3.088	7.8	22.5
4 1	10 36.50	+13 52.1	2.212	3.076	11.1	22.7
4 11	10 31.23	+13 59.7	2.292	3.063	13.9	22.8

456692 2007 RJ_{206} 3 4.0 93.°28 1.°1/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.91	+ 6 22.4	1.577	2.429	14.5	22.2
2 11	11 19.04	+ 7 13.0	1.524	2.447	10.3	22.0
2 21	11 10.95	+ 8 14.9	1.495	2.465	5.7	21.8
3 2	11 1.58	+ 9 20.8	1.493	2.483	1.3	21.5
3 12	10 52.14	+10 22.3	1.519	2.500	4.6	21.8
3 22	10 43.78	+11 12.5	1.572	2.517	9.1	22.1
4 1	10 37.43	+11 46.9	1.649	2.533	13.1	22.4
4 11	10 33.63	+12 3.7	1.748	2.550	16.4	22.6

437602 2014 BK_6 3 4.0 65.°59 3.°1/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.64	− 3 23.8	2.208	3.012	12.7	20.4
2 11	11 17.70	− 3 45.3	2.137	3.025	9.7	20.2
2 21	11 10.08	− 3 53.2	2.091	3.038	6.5	20.0
3 2	11 1.44	− 3 48.7	2.073	3.051	3.6	19.9
3 12	10 52.66	− 3 34.7	2.085	3.065	3.7	19.9
3 22	10 44.59	− 3 15.2	2.125	3.078	6.5	20.1
4 1	10 37.95	− 2 54.5	2.192	3.092	9.6	20.3
4 11	10 33.27	− 2 36.8	2.283	3.105	12.4	20.5

415325 2013 HO_{21} 3 4.0 222.°54 1.°2/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.81	+ 7 2.5	1.963	2.808	12.4	21.7
2 11	11 18.18	+ 7 51.0	1.878	2.799	8.9	21.5
2 21	11 10.53	+ 8 49.9	1.819	2.789	4.9	21.2
3 2	11 1.54	+ 9 53.4	1.789	2.778	1.3	21.0
3 12	10 52.20	+10 54.4	1.788	2.767	4.2	21.2
3 22	10 43.51	+11 46.6	1.815	2.756	8.4	21.4
4 1	10 36.40	+12 25.2	1.868	2.744	12.2	21.6
4 11	10 31.51	+12 47.8	1.943	2.731	15.5	21.8

134148 2005 AC_{56} 3 4.0 254.°56 0.°0/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.17	+ 4 16.7	2.032	2.873	12.2	20.4
2 11	11 16.13	+ 4 44.6	1.956	2.872	8.9	20.1
2 21	11 9.29	+ 5 23.2	1.904	2.871	5.0	19.9
3 2	11 1.32	+ 6 8.4	1.880	2.871	0.9	19.6
3 12	10 53.12	+ 6 54.5	1.886	2.870	3.3	19.8
3 22	10 45.59	+ 7 36.1	1.919	2.869	7.3	20.0
4 1	10 39.54	+ 8 8.7	1.979	2.869	11.0	20.3
4 11	10 35.51	+ 8 29.4	2.061	2.868	14.0	20.5

347738 2002 AT_{44} 3 4.0 189.°38 5.°5/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.60	−13 57.6	2.692	3.433	12.2	20.9
2 11	11 15.44	−14 20.5	2.600	3.433	10.2	20.7
2 21	11 8.81	−14 26.0	2.532	3.432	8.0	20.6
3 2	11 1.24	−14 13.7	2.490	3.431	6.1	20.4
3 12	10 53.41	−13 45.3	2.476	3.430	5.5	20.4
3 22	10 46.05	−13 4.4	2.491	3.428	6.6	20.5
4 1	10 39.81	−12 15.7	2.533	3.427	8.7	20.6
4 11	10 35.19	−11 24.7	2.600	3.425	10.9	20.7

246933 1999 LN_5 3 4.0 316.°14 13.°6/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 18.55	+30 33.1	1.195	2.080	15.8	19.4
2 11	11 15.97	+34 5.4	1.137	2.051	14.0	19.2
2 21	11 10.02	+37 30.8	1.103	2.024	13.9	19.1
3 2	11 1.53	+40 26.9	1.093	1.997	15.8	19.2
3 12	10 52.10	+42 35.1	1.103	1.970	19.0	19.3
3 22	10 43.66	+43 47.2	1.132	1.945	22.4	19.4
4 1	10 37.97	+44 3.7	1.173	1.920	25.6	19.5
4 11	10 36.12	+43 32.1	1.225	1.896	28.3	19.7

89167 2001 UF_{50} 3 4.0 96.°89 6.°1/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.65	+24 55.2	2.342	3.200	10.1	19.2
2 11	11 16.29	+26 11.0	2.296	3.210	7.9	19.1
2 21	11 9.28	+27 20.8	2.276	3.219	6.3	19.0
3 2	11 1.31	+28 17.5	2.285	3.229	6.4	19.0
3 12	10 53.25	+28 55.8	2.321	3.238	8.0	19.1
3 22	10 45.95	+29 13.2	2.383	3.247	10.2	19.3
4 1	10 40.12	+29 9.5	2.468	3.256	12.5	19.5
4 11	10 36.22	+28 46.7	2.573	3.265	14.4	19.6

106476 2000 WU_{15} 3 4.0 211.°30 1.°8/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.92	+ 8 49.0	1.902	2.750	12.6	20.5
2 11	11 19.02	+ 9 39.6	1.822	2.744	9.0	20.3
2 21	11 11.01	+10 39.1	1.767	2.737	5.0	20.0
3 2	11 1.63	+11 41.1	1.741	2.729	1.8	19.8
3 12	10 51.92	+12 38.3	1.744	2.721	4.7	20.0
3 22	10 42.93	+13 24.4	1.775	2.712	8.9	20.2
4 1	10 35.61	+13 55.3	1.832	2.703	12.7	20.4
4 11	10 30.61	+14 9.3	1.911	2.692	15.9	20.6

415921 2001 UK_{160} 3 4.0 131.°83 5.°7/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.78	+23 53.5	2.353	3.203	10.4	22.0
2 11	11 19.86	+25 0.7	2.308	3.220	7.9	21.9
2 21	11 11.23	+26 2.0	2.291	3.237	6.1	21.8
3 2	11 1.64	+26 50.4	2.303	3.253	5.9	21.8
3 12	10 52.03	+27 20.9	2.344	3.268	7.5	22.0
3 22	10 43.30	+27 31.3	2.412	3.283	9.9	22.1
4 1	10 36.18	+27 21.9	2.505	3.297	12.2	22.3
4 11	10 31.12	+26 54.8	2.617	3.310	14.1	22.5

217555 2007 HC_{28} 3 4.0 219.°73 1.°5/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.91	+ 8 52.5	2.312	3.158	10.7	20.9
2 11	11 16.54	+ 9 35.9	2.230	3.151	7.7	20.7
2 21	11 9.49	+10 26.3	2.173	3.143	4.2	20.5
3 2	11 1.37	+11 18.6	2.146	3.135	1.5	20.2
3 12	10 52.99	+12 7.3	2.149	3.126	4.0	20.4
3 22	10 45.18	+12 47.6	2.181	3.117	7.5	20.6
4 1	10 38.70	+13 15.8	2.239	3.108	10.7	20.8
4 11	10 34.07	+13 30.4	2.320	3.098	13.5	21.0

453080 2007 VA_{51} 3 4.0 359.°11 3.°0/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.23	− 0 31.9	1.180	2.034	18.2	20.3
2 11	11 17.19	− 0 45.3	1.112	2.031	13.8	20.1
2 21	11 10.30	− 0 37.6	1.065	2.029	8.7	19.8
3 2	11 1.54	− 0 11.6	1.041	2.028	3.8	19.5
3 12	10 52.35	+ 0 26.2	1.041	2.028	4.7	19.5
3 22	10 44.26	+ 1 7.5	1.065	2.029	9.9	19.8
4 1	10 38.55	+ 1 43.8	1.111	2.032	14.9	20.1
4 11	10 36.00	+ 2 8.5	1.176	2.035	19.2	20.4

5612 Nevskij 3 4.0 56.°97 5.°3/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.46	+17 5.0	1.470	2.341	14.3	16.7
2 11	11 19.67	+18 6.3	1.420	2.350	10.3	16.5
2 21	11 11.41	+19 7.6	1.394	2.360	6.7	16.3
3 2	11 1.69	+19 59.2	1.393	2.370	5.4	16.2
3 12	10 51.89	+20 32.9	1.420	2.380	8.0	16.4
3 22	10 43.29	+20 44.3	1.471	2.390	11.8	16.6
4 1	10 36.92	+20 32.7	1.545	2.401	15.4	16.9
4 11	10 33.36	+20 0.1	1.637	2.411	18.4	17.1

48843 1998 BN_{44} 3 4.0 102.°18 3.°1/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.34	− 4 50.2	2.329	3.128	12.3	18.3
2 11	11 16.03	− 4 52.3	2.253	3.137	9.5	18.2
2 21	11 9.14	− 4 39.6	2.202	3.147	6.4	18.0
3 2	11 1.31	− 4 13.8	2.179	3.156	3.6	17.8
3 12	10 53.30	− 3 38.5	2.185	3.165	3.5	17.8
3 22	10 45.92	− 2 58.2	2.220	3.174	6.2	18.0
4 1	10 39.84	− 2 17.7	2.282	3.183	9.2	18.2
4 11	10 35.56	− 1 41.6	2.369	3.192	11.9	18.4

459985 2014 OJ_{37} 3 4.0 143.°25 2.°1/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.06	− 1 0.5	1.836	2.656	14.2	22.2
2 11	11 19.75	− 0 51.6	1.765	2.666	10.7	22.0
2 21	11 11.36	− 0 27.0	1.717	2.675	6.6	21.8
3 2	11 1.70	+ 0 10.0	1.697	2.683	2.7	21.6
3 12	10 51.82	+ 0 54.3	1.706	2.691	3.5	21.6
3 22	10 42.80	+ 1 39.8	1.744	2.699	7.6	21.9
4 1	10 35.55	+ 2 20.5	1.808	2.705	11.4	22.1
4 11	10 30.65	+ 2 52.1	1.894	2.711	14.7	22.4

490046 2008 TQ_{61} 3 4.0 141.°15 1.°7/ 2.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.99	+10 5.9	2.243	3.090	11.0	22.4
2 11	11 17.24	+10 40.8	2.175	3.097	7.8	22.2
2 21	11 9.83	+11 20.9	2.134	3.103	4.3	22.0
3 2	11 1.43	+12 1.2	2.121	3.109	1.7	21.8
3 12	10 52.89	+12 36.4	2.139	3.115	4.1	22.0
3 22	10 45.05	+13 2.5	2.185	3.121	7.5	22.2
4 1	10 38.63	+13 16.8	2.258	3.126	10.7	22.4
4 11	10 34.14	+13 18.2	2.353	3.131	13.4	22.6

332695 2009 RM_1 3 4.0 103.°80 3.°4/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.06	− 6 57.5	2.087	2.881	13.7	20.9
2 11	11 16.62	− 6 35.9	2.021	2.901	10.6	20.7
2 21	11 9.50	− 5 55.4	1.979	2.921	7.2	20.5
3 2	11 1.38	− 4 58.6	1.964	2.940	4.2	20.4
3 12	10 53.16	− 3 50.8	1.978	2.958	3.8	20.4
3 22	10 45.70	− 2 38.6	2.021	2.977	6.6	20.6
4 1	10 39.72	− 1 28.6	2.091	2.994	9.8	20.8
4 11	10 35.73	− 0 26.5	2.186	3.012	12.7	21.0

68852 2002 HO_3 3 4.0 247.°01 4.°0/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.14	+15 35.1	2.131	2.992	10.9	19.7
2 11	11 16.18	+16 51.0	2.055	2.981	7.9	19.5
2 21	11 9.38	+18 10.2	2.005	2.971	5.0	19.3
3 2	11 1.39	+19 25.3	1.984	2.960	4.1	19.2
3 12	10 53.10	+20 29.0	1.992	2.948	6.4	19.3
3 22	10 45.44	+21 15.8	2.028	2.937	9.6	19.5
4 1	10 39.21	+21 42.9	2.088	2.925	12.7	19.7
4 11	10 35.03	+21 50.0	2.168	2.913	15.3	19.8

334030 2000 XA_{47} 3 4.0 32.°58 2.°5/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 45.36	+ 7 43.1	1.078	1.923	20.3	19.0
2 11	11 34.50	+ 5 39.8	1.025	1.941	15.0	18.7
2 21	11 19.90	+ 3 40.0	0.995	1.960	8.9	18.5
3 2	11 3.17	+ 1 47.0	0.992	1.981	3.0	18.2
3 12	10 46.59	+ 0 4.4	1.018	2.002	5.5	18.4
3 22	10 32.25	− 1 25.9	1.071	2.025	11.3	18.8
4 1	10 21.60	− 2 44.6	1.149	2.049	16.3	19.1
4 11	10 15.21	− 3 55.1	1.246	2.073	20.3	19.5

455234 2001 SX_{138} 3 4.0 158.°27 0.°5/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.08	+ 2 13.5	1.953	2.781	13.2	22.9
2 11	11 19.68	+ 2 49.6	1.881	2.790	9.6	22.7
2 21	11 11.30	+ 3 39.0	1.834	2.798	5.6	22.5
3 2	11 1.72	+ 4 37.0	1.816	2.806	1.2	22.2
3 12	10 51.93	+ 5 37.1	1.828	2.812	3.4	22.4
3 22	10 42.94	+ 6 32.9	1.869	2.818	7.6	22.7
4 1	10 35.63	+ 7 19.2	1.936	2.823	11.3	22.9
4 11	10 30.56	+ 7 52.6	2.027	2.826	14.5	23.1

122280 2000 PQ_8 3 4.0 263.°63 0.°8/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.22	+ 1 13.6	1.668	2.505	14.6	20.4
2 11	11 18.21	+ 1 52.6	1.572	2.485	10.9	20.1
2 21	11 10.79	+ 2 50.1	1.500	2.465	6.4	19.8
3 2	11 1.67	+ 4 1.7	1.454	2.443	1.6	19.5
3 12	10 51.95	+ 5 19.7	1.436	2.422	3.9	19.6
3 22	10 42.84	+ 6 35.4	1.446	2.400	8.9	19.8
4 1	10 35.48	+ 7 40.8	1.481	2.377	13.5	20.0
4 11	10 30.71	+ 8 30.2	1.537	2.354	17.5	20.2

159920 2004 XM_{172} 3 4.0 151.°32 0.°5/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.80	+ 2 46.3	2.183	3.014	11.8	20.8
2 11	11 16.46	+ 3 15.0	2.108	3.019	8.6	20.6
2 21	11 9.45	+ 3 54.9	2.059	3.024	5.0	20.4
3 2	11 1.40	+ 4 42.2	2.038	3.028	1.1	20.1
3 12	10 53.16	+ 5 31.4	2.047	3.032	3.0	20.3
3 22	10 45.58	+ 6 17.4	2.085	3.036	6.8	20.5
4 1	10 39.39	+ 6 55.7	2.150	3.039	10.2	20.7
4 11	10 35.12	+ 7 23.1	2.238	3.042	13.1	20.9

283457 2001 MQ_3 3 4.0 194.°71 1.°3/ 5.4 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.58	− 0 7.8	2.440	3.247	11.5	24.3
2 11	11 19.83	+ 0 17.3	2.348	3.244	8.6	24.1
2 21	11 11.34	+ 0 55.0	2.282	3.239	5.2	23.9
3 2	11 1.74	+ 1 42.1	2.246	3.233	1.8	23.6
3 12	10 51.83	+ 2 34.2	2.242	3.226	2.9	23.7
3 22	10 42.49	+ 3 26.1	2.269	3.218	6.4	23.9
4 1	10 34.47	+ 4 13.0	2.324	3.209	9.8	24.1
4 11	10 28.34	+ 4 51.2	2.404	3.198	12.7	24.3

390246 2012 XE_{82} 3 4.0 172.°77 5.°5/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.67	+27 7.4	3.014	3.861	8.4	21.8
2 11	11 16.09	+28 18.7	2.960	3.864	6.7	21.7
2 21	11 9.12	+29 24.0	2.935	3.867	5.6	21.6
3 2	11 1.34	+30 17.7	2.938	3.869	5.8	21.6
3 12	10 53.43	+30 55.6	2.971	3.871	7.1	21.7
3 22	10 46.08	+31 15.6	3.030	3.872	8.9	21.8
4 1	10 39.89	+31 17.2	3.113	3.873	10.7	22.0
4 11	10 35.31	+31 2.0	3.216	3.873	12.3	22.1

72332 2001 BC_{60} 3 4.0 48.°12 0.°5/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.31	+ 2 11.7	1.329	2.183	16.6	18.9
2 11	11 17.53	+ 2 49.7	1.275	2.197	12.1	18.7
2 21	11 10.29	+ 3 45.8	1.243	2.211	6.9	18.4
3 2	11 1.56	+ 4 53.3	1.235	2.225	1.5	18.1
3 12	10 52.70	+ 6 2.6	1.254	2.240	4.2	18.3
3 22	10 44.99	+ 7 4.8	1.299	2.256	9.3	18.7
4 1	10 39.47	+ 7 53.0	1.367	2.271	13.9	19.0
4 11	10 36.73	+ 8 23.2	1.455	2.287	17.6	19.2

402856 2007 RM_{83} 3 4.0 168.°68 0.°2/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.52	+ 2 49.8	1.994	2.825	12.8	22.4
2 11	11 18.57	+ 3 31.8	1.918	2.830	9.3	22.2
2 21	11 10.70	+ 4 26.8	1.869	2.834	5.3	22.0
3 2	11 1.64	+ 5 29.8	1.847	2.838	1.0	21.7
3 12	10 52.35	+ 6 34.2	1.856	2.841	3.4	21.8
3 22	10 43.79	+ 7 33.7	1.894	2.843	7.5	22.1
4 1	10 36.83	+ 8 22.9	1.959	2.844	11.3	22.3
4 11	10 32.03	+ 8 58.4	2.046	2.844	14.4	22.5

83887 2001 UL_{126} 3 4.0 92.°21 1.°1/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.76	+ 3 8.0	2.365	3.185	11.4	19.0
2 11	11 19.80	+ 2 52.0	2.297	3.201	8.4	18.8
2 21	11 11.23	+ 2 44.2	2.255	3.216	5.0	18.6
3 2	11 1.72	+ 2 42.4	2.243	3.231	1.6	18.4
3 12	10 52.12	+ 2 43.8	2.262	3.246	2.8	18.5
3 22	10 43.25	+ 2 45.4	2.311	3.261	6.3	18.8
4 1	10 35.84	+ 2 44.4	2.388	3.276	9.4	19.0
4 11	10 30.34	+ 2 38.6	2.489	3.290	12.1	19.2

264656 2001 XO_{97} 3 4.0 80.°29 7.°6/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.77	+25 30.5	1.790	2.651	12.7	20.4
2 11	11 20.20	+27 1.3	1.763	2.677	9.8	20.3
2 21	11 11.53	+28 22.3	1.762	2.704	7.9	20.2
3 2	11 1.75	+29 24.2	1.788	2.731	7.9	20.3
3 12	10 52.08	+30 0.6	1.840	2.757	9.8	20.5
3 22	10 43.61	+30 9.7	1.917	2.782	12.3	20.7
4 1	10 37.20	+29 53.3	2.016	2.807	14.7	20.9
4 11	10 33.29	+29 15.3	2.133	2.832	16.8	21.1

430933 2005 UR_{53} 3 4.0 132.°08 2.°0/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.82	+10 23.0	2.288	3.133	10.8	22.1
2 11	11 17.77	+11 14.1	2.228	3.149	7.7	21.9
2 21	11 10.12	+12 10.0	2.195	3.164	4.3	21.7
3 2	11 1.53	+13 5.4	2.192	3.179	2.0	21.6
3 12	10 52.85	+13 54.3	2.219	3.192	4.3	21.7
3 22	10 44.91	+14 32.6	2.275	3.206	7.6	22.0
4 1	10 38.41	+14 57.5	2.358	3.218	10.6	22.2
4 11	10 33.80	+15 8.1	2.463	3.230	13.1	22.4

132142 2002 CU_{272} 3 4.0 300.°77 7.°4/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.78	+20 16.6	1.390	2.267	14.5	19.4
2 11	11 19.00	+21 48.8	1.321	2.251	11.0	19.2
2 21	11 11.37	+23 21.5	1.275	2.235	8.0	18.9
3 2	11 1.79	+24 42.0	1.254	2.219	7.8	18.9
3 12	10 51.70	+25 38.6	1.259	2.203	10.6	19.0
3 22	10 42.61	+26 4.5	1.286	2.188	14.5	19.2
4 1	10 35.83	+25 58.1	1.334	2.173	18.3	19.4
4 11	10 32.17	+25 22.4	1.398	2.158	21.7	19.6

464962 2005 WC_{119} 3 4.0 107.°30 7.°2/11.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.67	−16 21.3	1.980	2.726	15.9	20.7
2 11	11 16.63	−16 39.7	1.902	2.734	13.4	20.6
2 21	11 9.67	−16 32.5	1.845	2.742	10.6	20.4
3 2	11 1.47	−15 59.0	1.811	2.750	8.2	20.3
3 12	10 53.02	−15 2.2	1.804	2.757	7.2	20.2
3 22	10 45.27	−13 47.9	1.824	2.765	8.4	20.3
4 1	10 39.11	−12 24.3	1.870	2.772	10.8	20.5
4 11	10 35.11	−11 0.1	1.939	2.779	13.5	20.6

186213 2001 WA_{43} 3 4.0 95.°48 5.°2/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.64	+18 51.7	1.802	2.665	12.5	20.4
2 11	11 19.45	+19 54.7	1.754	2.679	9.1	20.2
2 21	11 11.17	+20 55.6	1.731	2.693	6.1	20.0
3 2	11 1.71	+21 46.2	1.736	2.706	5.3	20.0
3 12	10 52.21	+22 19.7	1.769	2.720	7.5	20.2
3 22	10 43.74	+22 32.7	1.827	2.733	10.7	20.4
4 1	10 37.17	+22 24.6	1.910	2.746	13.7	20.6
4 11	10 33.03	+21 57.4	2.012	2.758	16.3	20.8

192113 2006 CB_{57} 3 4.0 227.°80 0.°2/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.79	+ 3 16.3	1.965	2.805	12.6	20.6
2 11	11 15.95	+ 3 52.2	1.889	2.804	9.2	20.3
2 21	11 9.26	+ 4 40.7	1.837	2.803	5.2	20.1
3 2	11 1.41	+ 5 37.1	1.812	2.803	1.0	19.8
3 12	10 53.31	+ 6 35.2	1.817	2.802	3.4	20.0
3 22	10 45.90	+ 7 28.7	1.850	2.801	7.5	20.2
4 1	10 39.99	+ 8 12.5	1.909	2.800	11.2	20.4
4 11	10 36.15	+ 8 43.2	1.990	2.799	14.4	20.6

210075 2006 QU_{22} 3 4.1 110.°81 0.°5/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.84	+ 4 26.9	2.603	3.438	10.0	20.6
2 11	11 14.08	+ 5 30.6	2.540	3.454	7.2	20.4
2 21	11 8.02	+ 6 43.1	2.503	3.471	3.9	20.3
3 2	11 1.18	+ 7 59.8	2.497	3.487	0.7	20.0
3 12	10 54.25	+ 9 14.9	2.521	3.503	3.0	20.2
3 22	10 47.89	+10 23.3	2.576	3.518	6.2	20.5
4 1	10 42.66	+11 21.0	2.658	3.533	9.0	20.7
4 11	10 38.98	+12 5.7	2.764	3.548	11.4	20.9

124565 2001 SD_2 3 4.1 82.°88 0.°3/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.35	+ 3 51.2	1.384	2.234	16.3	20.0
2 11	11 20.45	+ 4 10.2	1.324	2.244	11.8	19.8
2 21	11 11.96	+ 4 43.9	1.286	2.255	6.8	19.5
3 2	11 1.89	+ 5 26.9	1.274	2.265	1.3	19.2
3 12	10 51.63	+ 6 11.3	1.289	2.275	4.3	19.4
3 22	10 42.53	+ 6 49.8	1.330	2.285	9.4	19.7
4 1	10 35.70	+ 7 16.8	1.395	2.295	14.0	20.0
4 11	10 31.79	+ 7 29.0	1.480	2.305	17.7	20.3

419188 2009 UP_{27} 3 4.1 88.°63 3.°0/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.07	− 5 47.3	1.978	2.782	13.9	21.4
2 11	11 16.01	− 5 15.4	1.914	2.802	10.7	21.2
2 21	11 9.22	− 4 24.2	1.874	2.821	7.1	21.0
3 2	11 1.40	− 3 17.1	1.861	2.840	3.7	20.9
3 12	10 53.49	− 2 0.3	1.876	2.859	3.6	20.9
3 22	10 46.35	− 0 41.1	1.920	2.878	6.7	21.1
4 1	10 40.74	+ 0 33.7	1.992	2.896	10.2	21.4
4 11	10 37.15	+ 1 38.3	2.087	2.914	13.2	21.6

376000 2010 AU_4 3 4.1 98.°45 4.°8/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.30	+17 41.8	1.945	2.810	11.6	20.4
2 11	11 17.03	+18 55.5	1.890	2.816	8.4	20.2
2 21	11 9.85	+20 9.1	1.860	2.823	5.6	20.1
3 2	11 1.52	+21 14.8	1.858	2.829	4.9	20.0
3 12	10 53.05	+22 5.2	1.884	2.836	7.1	20.2
3 22	10 45.42	+22 36.1	1.937	2.842	10.2	20.4
4 1	10 39.44	+22 46.0	2.014	2.848	13.2	20.6
4 11	10 35.66	+22 35.8	2.110	2.855	15.7	20.8

80291 1999 XB_{55} 3 4.1 164.°59 1.°1/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.29	+ 6 16.2	1.573	2.422	14.7	20.5
2 11	11 20.27	+ 7 4.4	1.505	2.427	10.6	20.3
2 21	11 11.84	+ 8 5.2	1.460	2.430	5.8	20.0
3 2	11 1.88	+ 9 11.4	1.444	2.434	1.3	19.7
3 12	10 51.65	+10 14.5	1.455	2.436	4.7	20.0
3 22	10 42.40	+11 6.9	1.493	2.438	9.5	20.2
4 1	10 35.19	+11 43.4	1.556	2.440	13.8	20.5
4 11	10 30.68	+12 1.7	1.640	2.441	17.3	20.7

100454 1996 SA_6 3 4.1 128.°65 0.°8/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.05	+ 1 3.3	1.782	2.614	14.1	20.5
2 11	11 18.35	+ 1 45.5	1.716	2.626	10.3	20.3
2 21	11 10.62	+ 2 43.3	1.675	2.639	6.0	20.1
3 2	11 1.66	+ 3 51.5	1.661	2.650	1.5	19.8
3 12	10 52.54	+ 5 2.6	1.676	2.661	3.5	20.0
3 22	10 44.28	+ 6 9.3	1.719	2.672	7.8	20.3
4 1	10 37.79	+ 7 5.3	1.789	2.682	11.7	20.5
4 11	10 33.61	+ 7 46.9	1.880	2.691	15.0	20.8

337710 2001 UB_{20} 3 4.1 147.°36 9.°6/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 31.01	+41 46.7	2.587	3.391	11.0	20.9
2 11	11 23.04	+42 48.9	2.554	3.397	10.0	20.8
2 21	11 13.09	+43 33.4	2.545	3.402	9.6	20.8
3 2	11 2.07	+43 53.7	2.561	3.407	10.0	20.9
3 12	10 51.10	+43 46.5	2.602	3.412	11.1	20.9
3 22	10 41.25	+43 12.1	2.666	3.417	12.5	21.0
4 1	10 33.33	+42 13.6	2.750	3.421	13.9	21.2
4 11	10 27.83	+40 55.7	2.851	3.425	15.1	21.3

81096 2000 EG_{106} 3 4.1 190.°93 1.°0/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.71	+ 6 2.6	2.419	3.256	10.6	19.6
2 11	11 16.35	+ 7 10.5	2.338	3.254	7.6	19.4
2 21	11 9.41	+ 8 28.1	2.283	3.252	4.2	19.1
3 2	11 1.46	+ 9 50.0	2.259	3.249	1.1	18.9
3 12	10 53.28	+11 9.8	2.266	3.245	3.6	19.1
3 22	10 45.63	+12 21.5	2.303	3.240	7.1	19.3
4 1	10 39.23	+13 20.6	2.368	3.235	10.3	19.5
4 11	10 34.61	+14 4.5	2.456	3.229	13.0	19.7

452637 2005 TZ_{156} 3 4.1 259.°40 2.°5/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.41	− 1 43.7	1.484	2.316	16.4	22.4
2 11	11 19.28	− 1 28.3	1.395	2.301	12.5	22.1
2 21	11 11.51	− 0 51.6	1.328	2.287	7.9	21.8
3 2	11 1.87	+ 0 3.6	1.286	2.272	3.3	21.5
3 12	10 51.60	+ 1 10.4	1.271	2.257	4.2	21.5
3 22	10 42.08	+ 2 20.1	1.282	2.241	9.2	21.7
4 1	10 34.58	+ 3 23.7	1.318	2.225	14.1	21.9
4 11	10 29.94	+ 4 14.1	1.374	2.209	18.3	22.2

383773 2007 VT_{298} 3 4.1 110.°14 4.°8/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.56	+20 16.1	2.499	3.357	9.6	21.2
2 11	11 15.43	+21 46.2	2.453	3.374	7.1	21.1
2 21	11 8.82	+23 13.9	2.435	3.390	5.1	21.0
3 2	11 1.35	+24 32.3	2.447	3.406	5.0	21.0
3 12	10 53.78	+25 35.6	2.488	3.421	6.7	21.2
3 22	10 46.87	+26 20.2	2.557	3.436	9.1	21.3
4 1	10 41.27	+26 45.0	2.650	3.451	11.3	21.5
4 11	10 37.41	+26 50.9	2.763	3.465	13.3	21.7

350578 2001 HG_{65} 3 4.1 306.°36 4.°7/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.04	+13 42.1	1.212	2.089	16.2	20.3
2 11	11 20.14	+14 40.0	1.142	2.077	11.7	20.0
2 21	11 12.13	+15 45.2	1.093	2.064	7.1	19.7
3 2	11 1.98	+16 46.9	1.069	2.052	4.7	19.5
3 12	10 51.27	+17 33.7	1.069	2.040	8.2	19.7
3 22	10 41.68	+17 57.5	1.093	2.029	13.2	19.9
4 1	10 34.63	+17 55.0	1.138	2.018	18.0	20.1
4 11	10 30.99	+17 27.1	1.200	2.007	22.1	20.4

41586 2000 SH_{38} 3 4.1 105.°11 2.°8/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.12	+11 40.3	1.564	2.422	14.3	19.8
2 11	11 21.46	+12 17.1	1.508	2.435	10.2	19.6
2 21	11 12.42	+12 59.0	1.477	2.447	5.8	19.3
3 2	11 1.98	+13 38.8	1.473	2.459	2.8	19.2
3 12	10 51.45	+14 9.0	1.496	2.471	5.7	19.4
3 22	10 42.08	+14 25.0	1.547	2.483	10.0	19.7
4 1	10 34.87	+14 24.3	1.621	2.494	13.9	19.9
4 11	10 30.39	+14 7.3	1.716	2.506	17.1	20.2

318090 2004 GZ_{70} 3 4.1 358.°03 0.°2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.18	+ 6 13.0	1.081	1.959	17.7	19.4
2 11	11 16.63	+ 6 11.6	1.019	1.953	12.9	19.1
2 21	11 10.10	+ 6 24.0	0.976	1.949	7.3	18.7
3 2	11 1.62	+ 6 44.6	0.956	1.947	1.2	18.3
3 12	10 52.74	+ 7 5.7	0.959	1.946	5.0	18.6
3 22	10 45.07	+ 7 19.8	0.986	1.947	10.9	18.9
4 1	10 39.91	+ 7 21.5	1.033	1.950	16.1	19.2
4 11	10 38.03	+ 7 7.8	1.098	1.955	20.4	19.5

18202 2757 *P–L* 3 4.1 174.°97 0.°4/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.57	+ 6 0.5	3.057	3.889	8.8	20.2
2 11	11 14.51	+ 6 34.0	2.978	3.891	6.3	20.0
2 21	11 8.25	+ 7 13.8	2.926	3.893	3.5	19.8
3 2	11 1.26	+ 7 56.8	2.904	3.895	0.6	19.6
3 12	10 54.13	+ 8 39.0	2.914	3.896	2.6	19.8
3 22	10 47.44	+ 9 16.9	2.954	3.896	5.5	19.9
4 1	10 41.73	+ 9 47.7	3.022	3.897	8.1	20.1
4 11	10 37.38	+10 9.4	3.115	3.896	10.3	20.3

29407 1996 *UW* 3 4.1 215.°67 2.°1/ 1.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.89	+10 29.8	2.174	3.018	11.4	19.9
2 11	11 19.58	+11 19.0	2.088	3.008	8.1	19.7
2 21	11 11.34	+12 14.6	2.028	2.997	4.6	19.4
3 2	11 1.83	+13 10.8	1.998	2.985	2.1	19.2
3 12	10 51.97	+14 1.2	1.999	2.972	4.7	19.4
3 22	10 42.73	+14 40.7	2.029	2.959	8.4	19.6
4 1	10 34.98	+15 5.7	2.085	2.944	11.8	19.8
4 11	10 29.33	+15 15.0	2.163	2.928	14.8	19.9

498134 2007 TJ_{41} 3 4.1 174.°91 4.°2/28.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.75	+19 48.8	2.554	3.408	9.5	21.8
2 11	11 17.01	+20 41.1	2.490	3.410	7.0	21.7
2 21	11 9.73	+21 31.4	2.454	3.411	4.9	21.5
3 2	11 1.53	+22 14.2	2.446	3.412	4.4	21.5
3 12	10 53.19	+22 44.5	2.468	3.413	6.1	21.6
3 22	10 45.49	+22 59.4	2.518	3.414	8.6	21.8
4 1	10 39.10	+22 58.0	2.593	3.414	11.0	21.9
4 11	10 34.50	+22 41.0	2.690	3.413	13.1	22.1

459977 2014 OE_{23} 3 4.1 159.°76 1.°1/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.69	+ 5 47.2	1.642	2.492	14.1	21.7
2 11	11 18.33	+ 6 45.0	1.573	2.496	10.1	21.4
2 21	11 10.73	+ 7 55.9	1.529	2.499	5.6	21.2
3 2	11 1.72	+ 9 12.9	1.512	2.502	1.2	20.9
3 12	10 52.44	+10 26.9	1.523	2.505	4.6	21.1
3 22	10 44.06	+11 30.2	1.562	2.507	9.2	21.4
4 1	10 37.54	+12 17.3	1.625	2.508	13.3	21.6
4 11	10 33.54	+12 45.4	1.709	2.510	16.7	21.9

110378 2001 SB_{343} 3 4.1 214.°74 3.°0/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.96	+12 7.6	2.004	2.860	11.7	20.4
2 11	11 17.56	+13 11.2	1.929	2.855	8.4	20.2
2 21	11 10.22	+14 20.7	1.880	2.849	4.8	20.0
3 2	11 1.63	+15 28.9	1.859	2.843	3.0	19.8
3 12	10 52.75	+16 28.7	1.867	2.836	5.5	20.0
3 22	10 44.57	+17 14.3	1.904	2.829	9.1	20.2
4 1	10 37.95	+17 42.3	1.965	2.821	12.6	20.4
4 11	10 33.48	+17 51.8	2.047	2.813	15.5	20.6

135674 2002 ND_{31} 3 4.1 173.°27 1.°7/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.13	+ 8 47.0	2.052	2.898	11.9	20.4
2 11	11 18.28	+ 9 39.8	1.980	2.901	8.5	20.2
2 21	11 10.56	+10 40.4	1.934	2.904	4.7	20.0
3 2	11 1.69	+11 42.7	1.917	2.906	1.7	19.7
3 12	10 52.59	+12 40.0	1.931	2.907	4.4	19.9
3 22	10 44.22	+13 26.7	1.972	2.908	8.2	20.2
4 1	10 37.41	+13 59.1	2.040	2.908	11.7	20.4
4 11	10 32.71	+14 15.6	2.130	2.908	14.6	20.6

49456 1998 YD_{28} 3 4.1 112.°29 4.°7/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.30	− 8 28.0	2.001	2.784	14.6	18.7
2 11	11 19.09	− 8 40.6	1.932	2.802	11.5	18.6
2 21	11 10.99	− 8 33.8	1.887	2.819	8.2	18.4
3 2	11 1.75	− 8 8.3	1.868	2.835	5.4	18.3
3 12	10 52.36	− 7 28.0	1.878	2.851	4.9	18.3
3 22	10 43.77	− 6 38.6	1.916	2.867	7.3	18.4
4 1	10 36.82	− 5 46.3	1.981	2.882	10.4	18.6
4 11	10 32.04	− 4 57.5	2.069	2.897	13.3	18.9

73600 3020 $T\text{-}_2$ 3 4.1 179.°51 2.°3/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.21	+13 31.8	2.675	3.520	9.5	19.5
2 11	11 17.96	+14 2.5	2.601	3.521	6.8	19.3
2 21	11 10.24	+14 35.0	2.555	3.522	3.9	19.1
3 2	11 1.62	+15 5.0	2.539	3.523	2.3	19.0
3 12	10 52.86	+15 28.3	2.553	3.522	4.2	19.1
3 22	10 44.68	+15 42.0	2.598	3.522	7.1	19.3
4 1	10 37.75	+15 44.2	2.670	3.521	9.8	19.5
4 11	10 32.53	+15 34.6	2.764	3.519	12.1	19.7

182081 2000 HC_2 3 4.1 44.°10 0.°5/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.77	+ 4 32.9	1.435	2.292	15.4	20.0
2 11	11 17.07	+ 5 17.6	1.378	2.303	11.1	19.8
2 21	11 10.03	+ 6 16.9	1.345	2.315	6.2	19.5
3 2	11 1.59	+ 7 23.7	1.336	2.327	1.0	19.2
3 12	10 53.00	+ 8 29.1	1.355	2.340	4.4	19.5
3 22	10 45.46	+ 9 25.0	1.400	2.352	9.3	19.8
4 1	10 39.96	+10 5.6	1.469	2.366	13.6	20.1
4 11	10 37.09	+10 28.1	1.557	2.379	17.1	20.3

375344 2008 SV_{31} 3 4.1 198.°87 2.°4/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.97	− 4 32.1	2.598	3.393	11.2	22.1
2 11	11 15.76	− 4 11.8	2.506	3.390	8.6	21.9
2 21	11 9.07	− 3 37.0	2.439	3.385	5.7	21.7
3 2	11 1.43	− 2 50.0	2.401	3.380	3.0	21.6
3 12	10 53.55	− 1 54.6	2.393	3.375	3.0	21.5
3 22	10 46.15	− 0 55.5	2.415	3.369	5.8	21.7
4 1	10 39.88	+ 0 2.1	2.465	3.362	8.8	21.9
4 11	10 35.25	+ 0 53.6	2.540	3.355	11.5	22.1

46362 2001 TO_{118} 3 4.1 161.°36 6.°5/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.75	−16 52.6	2.516	3.243	13.4	19.0
2 11	11 15.70	−17 17.7	2.428	3.245	11.3	18.9
2 21	11 9.08	−17 22.6	2.361	3.247	9.1	18.7
3 2	11 1.44	−17 6.3	2.320	3.248	7.2	18.6
3 12	10 53.54	−16 30.7	2.306	3.250	6.5	18.6
3 22	10 46.15	−15 39.5	2.320	3.251	7.4	18.6
4 1	10 39.98	−14 38.5	2.360	3.253	9.3	18.7
4 11	10 35.55	−13 34.0	2.425	3.254	11.5	18.9

229994 2000 BJ_9 3 4.1 109.°06 0.°5/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.37	+ 2 40.6	2.147	2.980	12.0	20.8
2 11	11 16.18	+ 3 10.0	2.078	2.989	8.7	20.6
2 21	11 9.33	+ 3 50.6	2.033	2.998	5.0	20.3
3 2	11 1.47	+ 4 38.5	2.017	3.007	1.1	20.1
3 12	10 53.47	+ 5 28.3	2.031	3.016	3.0	20.2
3 22	10 46.15	+ 6 14.6	2.073	3.025	6.8	20.5
4 1	10 40.24	+ 6 53.1	2.143	3.033	10.2	20.7
4 11	10 36.24	+ 7 20.6	2.235	3.042	13.1	20.9

495159 2012 FP_{63} 3 4.1 226.°83 0.°3/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.34	+ 5 24.7	2.136	2.973	11.8	21.2
2 11	11 17.75	+ 5 54.6	2.049	2.964	8.6	21.0
2 21	11 10.31	+ 6 34.3	1.987	2.955	4.8	20.8
3 2	11 1.66	+ 7 19.5	1.955	2.945	0.8	20.4
3 12	10 52.70	+ 8 4.8	1.952	2.935	3.4	20.6
3 22	10 44.33	+ 8 44.9	1.978	2.924	7.4	20.8
4 1	10 37.39	+ 9 15.5	2.030	2.913	11.1	21.0
4 11	10 32.49	+ 9 33.8	2.105	2.901	14.2	21.2

425758 2011 CU_{13} 3 4.1 345.°06 7.°2/25.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.21	+19 9.1	1.475	2.357	13.5	20.0
2 11	11 14.74	+21 19.0	1.417	2.351	10.1	19.8
2 21	11 8.87	+23 30.7	1.385	2.345	7.5	19.6
3 2	11 1.42	+25 30.7	1.378	2.339	7.7	19.6
3 12	10 53.63	+27 6.6	1.397	2.335	10.5	19.7
3 22	10 46.75	+28 10.9	1.440	2.331	14.0	19.9
4 1	10 41.87	+28 41.2	1.503	2.328	17.4	20.1
4 11	10 39.66	+28 39.8	1.583	2.325	20.2	20.3

167966 2005 EE_{277} 3 4.1 194.°48 2.°0/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.34	+10 18.9	2.425	3.275	10.2	20.7
2 11	11 15.37	+11 16.4	2.350	3.273	7.2	20.5
2 21	11 8.86	+12 19.7	2.301	3.271	4.0	20.3
3 2	11 1.40	+13 23.5	2.282	3.269	2.0	20.1
3 12	10 53.73	+14 21.9	2.293	3.266	4.2	20.3
3 22	10 46.62	+15 10.1	2.334	3.263	7.4	20.4
4 1	10 40.75	+15 44.9	2.400	3.260	10.4	20.6
4 11	10 36.62	+16 4.8	2.489	3.256	13.0	20.8

419722 2010 VP_{24} 3 4.1 154.°48 2.°7/ 6.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.06	− 4 28.5	2.185	2.986	12.9	22.7
2 11	11 17.41	− 4 6.5	2.107	2.994	9.9	22.5
2 21	11 10.04	− 3 27.7	2.054	3.002	6.5	22.3
3 2	11 1.60	− 2 35.0	2.028	3.009	3.3	22.2
3 12	10 52.97	− 1 33.2	2.033	3.016	3.4	22.2
3 22	10 45.00	− 0 28.3	2.067	3.022	6.5	22.4
4 1	10 38.45	+ 0 33.5	2.128	3.027	9.9	22.6
4 11	10 33.86	+ 1 27.4	2.214	3.032	12.8	22.8

402415 2005 YV_{191} 3 4.1 270.°26 4.°4/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.31	+13 2.8	1.472	2.342	14.3	20.9
2 11	11 18.48	+14 27.3	1.398	2.330	10.3	20.6
2 21	11 11.04	+16 0.7	1.347	2.317	6.2	20.4
3 2	11 1.82	+17 32.3	1.323	2.305	4.5	20.2
3 12	10 52.11	+18 50.8	1.326	2.292	7.7	20.4
3 22	10 43.28	+19 47.5	1.354	2.279	12.1	20.6
4 1	10 36.53	+20 18.0	1.405	2.266	16.3	20.8
4 11	10 32.65	+20 22.0	1.473	2.253	19.9	21.0

207521 2006 JD_{49} 3 4.1 276.°11 1.°1/ 4.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.81	+ 1 2.2	1.546	2.388	15.3	20.8
2 11	11 18.05	+ 1 32.4	1.456	2.371	11.4	20.5
2 21	11 10.79	+ 2 21.4	1.389	2.354	6.8	20.2
3 2	11 1.78	+ 3 25.0	1.347	2.337	1.9	19.8
3 12	10 52.19	+ 4 35.6	1.333	2.319	4.0	19.9
3 22	10 43.30	+ 5 44.4	1.346	2.302	9.1	20.2
4 1	10 36.30	+ 6 43.3	1.383	2.285	13.9	20.4
4 11	10 32.00	+ 7 26.5	1.440	2.267	18.0	20.6

354365 2003 LX_2 3 4.1 291.°88 0.°7/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.30	+ 0 52.4	1.622	2.458	15.0	21.3
2 11	11 19.42	+ 1 38.3	1.502	2.414	11.3	21.0
2 21	11 11.80	+ 2 46.7	1.404	2.369	6.8	20.6
3 2	11 2.01	+ 4 13.9	1.333	2.323	1.7	20.2
3 12	10 51.12	+ 5 51.9	1.291	2.276	4.3	20.2
3 22	10 40.48	+ 7 30.5	1.276	2.228	10.0	20.4
4 1	10 31.49	+ 8 59.1	1.286	2.179	15.3	20.6
4 11	10 25.27	+10 9.8	1.316	2.130	20.1	20.7

151601 2002 VJ_{47} 3 4.1 143.°97 0.°6/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.91	+ 5 32.8	2.297	3.130	11.2	21.9
2 11	11 17.88	+ 6 20.1	2.230	3.144	8.0	21.7
2 21	11 10.24	+ 7 16.3	2.190	3.157	4.4	21.5
3 2	11 1.64	+ 8 16.4	2.179	3.170	0.8	21.2
3 12	10 52.92	+ 9 14.7	2.199	3.181	3.3	21.5
3 22	10 44.89	+10 6.0	2.250	3.192	6.9	21.7
4 1	10 38.26	+10 46.4	2.327	3.202	10.2	21.9
4 11	10 33.52	+11 13.8	2.427	3.211	12.9	22.1

106378 2000 VG_{14} 3 4.1 227.°79 3.°2/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.86	+17 46.3	3.204	4.053	8.0	20.9
2 11	11 15.50	+18 37.5	3.120	4.039	5.8	20.8
2 21	11 8.86	+19 28.9	3.064	4.024	3.8	20.6
3 2	11 1.41	+20 15.9	3.038	4.009	3.2	20.5
3 12	10 53.75	+20 54.4	3.043	3.993	4.8	20.6
3 22	10 46.49	+21 21.4	3.078	3.977	7.0	20.8
4 1	10 40.20	+21 35.4	3.139	3.960	9.3	20.9
4 11	10 35.31	+21 35.9	3.222	3.942	11.2	21.0

15178 7075 *P–L* 3 4.1 185.°73 2.°2/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.24	− 4 28.1	2.741	3.538	10.7	19.3
2 11	11 14.44	− 4 0.5	2.653	3.537	8.2	19.1
2 21	11 8.30	− 3 19.0	2.590	3.537	5.4	18.9
3 2	11 1.32	− 2 26.0	2.555	3.536	2.8	18.8
3 12	10 54.14	− 1 25.5	2.551	3.534	2.8	18.8
3 22	10 47.42	− 0 22.2	2.578	3.532	5.4	18.9
4 1	10 41.76	+ 0 39.1	2.632	3.530	8.3	19.1
4 11	10 37.60	+ 1 34.0	2.712	3.527	10.8	19.3

105595 2000 RK_{89} 3 4.1 272.°67 3.°8/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.50	− 3 43.3	1.527	2.350	16.4	19.7
2 11	11 19.26	− 3 53.4	1.442	2.341	12.8	19.4
2 21	11 11.46	− 3 43.0	1.379	2.331	8.5	19.1
3 2	11 1.91	− 3 13.5	1.340	2.321	4.6	18.9
3 12	10 51.82	− 2 29.5	1.329	2.312	4.7	18.8
3 22	10 42.52	− 1 38.3	1.343	2.302	8.8	19.1
4 1	10 35.18	− 0 47.8	1.383	2.292	13.3	19.3
4 11	10 30.63	− 0 5.1	1.442	2.283	17.3	19.5

456795 2007 TK_{230} 3 4.1 162.°26 1.°1/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.88	+ 6 49.3	1.994	2.836	12.4	22.5
2 11	11 18.85	+ 7 39.4	1.924	2.843	8.8	22.3
2 21	11 10.90	+ 8 39.1	1.879	2.849	4.9	22.1
3 2	11 1.78	+ 9 42.3	1.864	2.854	1.2	21.8
3 12	10 52.45	+10 42.3	1.878	2.858	4.0	22.0
3 22	10 43.90	+11 33.1	1.921	2.862	8.0	22.3
4 1	10 36.96	+12 10.6	1.991	2.865	11.6	22.5
4 11	10 32.19	+12 32.7	2.082	2.867	14.6	22.7

429547 2011 CD_{18} 3 4.1 111.°67 3.°4/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.17	+12 13.2	1.901	2.762	12.0	20.8
2 11	11 16.27	+13 38.9	1.842	2.770	8.5	20.6
2 21	11 9.47	+15 10.4	1.809	2.778	5.0	20.4
3 2	11 1.53	+16 39.2	1.804	2.786	3.4	20.3
3 12	10 53.42	+17 57.0	1.829	2.794	6.0	20.5
3 22	10 46.10	+18 57.6	1.881	2.802	9.5	20.7
4 1	10 40.39	+19 37.6	1.957	2.809	12.8	21.0
4 11	10 36.83	+19 56.7	2.053	2.816	15.5	21.2

306652 2000 SJ_{137} 3 4.1 176.°35 5.°6/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.17	−14 24.8	2.357	3.104	13.7	20.9
2 11	11 16.07	−14 21.5	2.268	3.106	11.3	20.7
2 21	11 9.32	−13 56.4	2.201	3.107	8.7	20.6
3 2	11 1.52	−13 10.0	2.161	3.108	6.4	20.4
3 12	10 53.46	−12 5.3	2.148	3.109	5.6	20.4
3 22	10 45.96	−10 47.7	2.164	3.109	7.0	20.5
4 1	10 39.76	− 9 24.3	2.207	3.108	9.5	20.6
4 11	10 35.39	− 8 2.0	2.276	3.108	12.1	20.8

30684 3237 T_{-2} 3 4.1 31.°94 3.°9/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.96	+16 2.2	1.741	2.606	12.7	18.5
2 11	11 18.28	+16 33.9	1.691	2.619	9.1	18.3
2 21	11 10.57	+17 5.6	1.665	2.633	5.6	18.2
3 2	11 1.72	+17 30.6	1.667	2.647	3.9	18.1
3 12	10 52.84	+17 43.4	1.696	2.662	6.2	18.3
3 22	10 44.98	+17 40.7	1.752	2.678	9.7	18.5
4 1	10 39.00	+17 21.7	1.832	2.694	13.0	18.7
4 11	10 35.38	+16 47.5	1.932	2.711	15.8	19.0

164610 3840 T_{-3} 3 4.1 160.°54 0.°7/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.41	+ 6 38.3	2.390	3.230	10.7	20.6
2 11	11 16.12	+ 7 12.5	2.316	3.233	7.6	20.4
2 21	11 9.28	+ 7 54.2	2.268	3.237	4.2	20.2
3 2	11 1.51	+ 8 39.3	2.249	3.240	0.8	20.0
3 12	10 53.56	+ 9 22.8	2.261	3.243	3.3	20.1
3 22	10 46.22	+10 0.3	2.302	3.245	6.7	20.4
4 1	10 40.15	+10 28.2	2.369	3.247	9.9	20.6
4 11	10 35.84	+10 44.7	2.460	3.249	12.5	20.8

105998 2000 SC_{283} 3 4.1 217.°83 3.°7/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.51	− 8 34.7	2.647	3.423	11.6	20.2
2 11	11 14.73	− 8 32.8	2.553	3.419	9.2	20.0
2 21	11 8.52	− 8 15.1	2.484	3.414	6.6	19.8
3 2	11 1.39	− 7 42.6	2.442	3.409	4.3	19.7
3 12	10 54.01	− 6 58.3	2.429	3.403	3.9	19.6
3 22	10 47.09	− 6 6.4	2.446	3.398	5.9	19.8
4 1	10 41.25	− 5 11.9	2.490	3.392	8.5	19.9
4 11	10 36.99	− 4 19.7	2.560	3.386	11.0	20.1

463182 2012 BZ_{107} 3 4.1 240.°52 4.°9/27.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.05	+15 15.3	1.824	2.689	12.2	21.1
2 11	11 17.19	+17 2.8	1.750	2.679	8.8	20.9
2 21	11 10.16	+18 56.1	1.702	2.668	5.8	20.6
3 2	11 1.70	+20 45.2	1.683	2.657	5.1	20.6
3 12	10 52.83	+22 19.6	1.693	2.645	7.7	20.7
3 22	10 44.65	+23 31.9	1.729	2.633	11.3	20.9
4 1	10 38.17	+24 18.3	1.789	2.620	14.7	21.1
4 11	10 34.06	+24 38.7	1.867	2.608	17.6	21.3

167206 2003 TP_{52} 3 4.1 36.°56 2.°3/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.37	+ 8 35.2	1.293	2.163	15.9	20.0
2 11	11 17.73	+ 9 32.3	1.240	2.172	11.3	19.7
2 21	11 10.52	+10 40.8	1.209	2.182	6.2	19.5
3 2	11 1.75	+11 51.4	1.204	2.193	2.4	19.3
3 12	10 52.82	+12 53.8	1.224	2.204	5.9	19.5
3 22	10 45.07	+13 40.0	1.270	2.215	10.8	19.8
4 1	10 39.58	+14 5.6	1.338	2.227	15.2	20.1
4 11	10 36.96	+14 9.6	1.424	2.240	18.8	20.4

100597 1997 PY_4 3 4.1 215.°62 5.°7/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.49	−12 1.9	2.225	2.983	14.0	21.2
2 11	11 18.64	−12 25.8	2.128	2.976	11.5	21.0
2 21	11 10.88	−12 30.0	2.054	2.967	8.8	20.8
3 2	11 1.83	−12 13.9	2.006	2.959	6.5	20.7
3 12	10 52.38	−11 39.5	1.987	2.950	5.8	20.6
3 22	10 43.44	−10 51.1	1.996	2.940	7.6	20.7
4 1	10 35.90	− 9 54.9	2.032	2.929	10.3	20.8
4 11	10 30.41	− 8 57.7	2.092	2.918	13.2	21.0

340797 2006 TB_{65} 3 4.1 94.°04 2.°0/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.18	− 2 32.0	2.479	3.287	11.3	21.2
2 11	11 15.13	− 2 12.9	2.411	3.304	8.5	21.0
2 21	11 8.69	− 1 40.9	2.369	3.321	5.4	20.8
3 2	11 1.42	− 0 58.5	2.355	3.338	2.5	20.7
3 12	10 54.05	− 0 10.1	2.371	3.355	2.8	20.7
3 22	10 47.29	+ 0 39.5	2.416	3.371	5.7	20.9
4 1	10 41.74	+ 1 26.0	2.489	3.387	8.7	21.1
4 11	10 37.84	+ 2 5.5	2.587	3.403	11.2	21.3

378802 2008 ST_{164} 3 4.1 182.°67 1.°0/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.56	+ 0 1.0	2.565	3.382	10.7	22.0
2 11	11 15.46	+ 0 39.4	2.481	3.382	8.0	21.8
2 21	11 8.92	+ 1 30.0	2.423	3.382	4.8	21.6
3 2	11 1.47	+ 2 29.3	2.394	3.382	1.5	21.3
3 12	10 53.82	+ 3 32.6	2.396	3.381	2.6	21.4
3 22	10 46.67	+ 4 34.7	2.428	3.380	5.9	21.6
4 1	10 40.68	+ 5 30.8	2.488	3.377	9.0	21.8
4 11	10 36.31	+ 6 17.4	2.572	3.375	11.7	22.0

79150 1992 UR_7 3 4.1 280.°57 3.°8/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.03	+10 36.9	1.452	2.318	14.7	20.3
2 11	11 19.30	+12 4.1	1.358	2.289	10.7	19.9
2 21	11 11.74	+13 46.3	1.288	2.259	6.2	19.6
3 2	11 2.04	+15 33.6	1.244	2.228	3.9	19.4
3 12	10 51.48	+17 13.3	1.227	2.197	7.5	19.5
3 22	10 41.54	+18 33.8	1.236	2.166	12.6	19.7
4 1	10 33.63	+19 27.9	1.267	2.134	17.4	19.9
4 11	10 28.76	+19 53.1	1.316	2.102	21.6	20.1

174027 2001 YZ_{145} 3 4.1 32.°63 7.°1/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.88	+25 48.0	1.854	2.714	12.3	19.4
2 11	11 19.64	+26 35.0	1.810	2.725	9.5	19.3
2 21	11 11.32	+27 13.0	1.792	2.737	7.5	19.2
3 2	11 1.88	+27 34.4	1.800	2.750	7.2	19.2
3 12	10 52.46	+27 34.3	1.834	2.763	9.0	19.3
3 22	10 44.15	+27 11.3	1.894	2.777	11.6	19.5
4 1	10 37.80	+26 26.9	1.977	2.791	14.2	19.7
4 11	10 33.88	+25 24.7	2.079	2.805	16.4	19.9

161531 2004 TA_{296} 3 4.1 248.°91 2.°4/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.31	− 2 20.6	1.758	2.577	14.7	21.0
2 11	11 18.94	− 2 2.0	1.661	2.561	11.3	20.7
2 21	11 11.25	− 1 24.2	1.588	2.544	7.2	20.5
3 2	11 1.93	− 0 29.8	1.541	2.526	3.2	20.2
3 12	10 52.04	+ 0 35.6	1.523	2.508	3.8	20.2
3 22	10 42.76	+ 1 44.2	1.532	2.489	8.2	20.4
4 1	10 35.18	+ 2 48.5	1.568	2.469	12.6	20.6
4 11	10 30.07	+ 3 41.8	1.625	2.449	16.4	20.8

289946 2005 NT_{49} 3 4.1 341.°42 4.°7/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.55	− 7 59.4	2.013	2.806	14.1	20.3
2 11	11 15.88	− 8 20.2	1.927	2.801	11.3	20.1
2 21	11 9.34	− 8 22.6	1.863	2.797	8.2	19.9
3 2	11 1.57	− 8 6.7	1.825	2.792	5.4	19.7
3 12	10 53.47	− 7 35.5	1.814	2.788	5.0	19.6
3 22	10 45.97	− 6 53.8	1.831	2.785	7.3	19.8
4 1	10 39.92	− 6 7.7	1.874	2.781	10.5	20.0
4 11	10 35.92	− 5 23.4	1.939	2.779	13.5	20.1

308648 2006 BE_{22} 3 4.1 276.°92 2.°1/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.64	+ 0 22.6	1.499	2.336	16.0	20.6
2 11	11 20.21	+ 0 19.9	1.410	2.320	12.1	20.3
2 21	11 12.10	+ 0 34.2	1.342	2.304	7.5	20.0
3 2	11 2.09	+ 1 3.0	1.300	2.287	2.9	19.7
3 12	10 51.44	+ 1 40.9	1.285	2.271	4.2	19.7
3 22	10 41.52	+ 2 20.7	1.297	2.254	9.2	19.9
4 1	10 33.63	+ 2 55.6	1.332	2.238	14.1	20.2
4 11	10 28.63	+ 3 19.8	1.388	2.221	18.3	20.4

435996 2009 FS_{17} 3 4.1 297.°89 4.°7/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.75	+20 15.2	2.183	3.038	10.9	20.9
2 11	11 19.52	+20 45.1	2.102	3.022	8.1	20.7
2 21	11 11.34	+21 12.0	2.047	3.007	5.6	20.5
3 2	11 1.92	+21 30.0	2.021	2.991	4.8	20.4
3 12	10 52.22	+21 34.0	2.023	2.975	6.7	20.5
3 22	10 43.23	+21 21.2	2.053	2.960	9.6	20.7
4 1	10 35.81	+20 51.1	2.108	2.944	12.6	20.8
4 11	10 30.56	+20 5.0	2.184	2.929	15.2	21.0

393315 2014 AB_{24} 3 4.1 211.°63 0.°8/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.78	+ 6 38.7	2.541	3.381	10.1	21.6
2 11	11 14.95	+ 7 21.2	2.459	3.377	7.2	21.4
2 21	11 8.65	+ 8 11.4	2.404	3.373	4.0	21.2
3 2	11 1.44	+ 9 5.2	2.378	3.368	0.9	21.0
3 12	10 54.03	+ 9 57.5	2.382	3.363	3.2	21.1
3 22	10 47.11	+10 43.8	2.416	3.358	6.5	21.3
4 1	10 41.34	+11 20.3	2.477	3.353	9.6	21.5
4 11	10 37.21	+11 44.9	2.561	3.347	12.2	21.7

117211 2004 RO_{205} 3 4.1 126.°62 4.°2/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.23	+18 11.2	2.273	3.126	10.6	20.1
2 11	11 18.87	+19 4.4	2.220	3.140	7.7	20.0
2 21	11 10.82	+19 56.2	2.193	3.155	5.1	19.8
3 2	11 1.81	+20 40.2	2.196	3.168	4.2	19.8
3 12	10 52.74	+21 11.4	2.229	3.181	6.1	19.9
3 22	10 44.49	+21 26.5	2.290	3.194	8.9	20.1
4 1	10 37.77	+21 24.8	2.375	3.206	11.6	20.3
4 11	10 33.05	+21 7.2	2.482	3.217	13.8	20.5

319095 2005 WG_{150} 3 4.1 240.°78 1.°7/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.33	+ 9 13.6	1.889	2.742	12.5	21.1
2 11	11 17.91	+ 9 50.6	1.814	2.738	8.9	20.9
2 21	11 10.48	+10 35.1	1.764	2.735	5.0	20.6
3 2	11 1.78	+11 21.4	1.742	2.731	1.7	20.4
3 12	10 52.80	+12 3.0	1.748	2.727	4.5	20.6
3 22	10 44.57	+12 34.6	1.783	2.723	8.6	20.8
4 1	10 37.98	+12 52.4	1.842	2.719	12.3	21.0
4 11	10 33.64	+12 55.1	1.923	2.715	15.4	21.2

144802 2004 HH_{55} 3 4.1 199.°69 3.°1/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.10	+15 46.4	2.983	3.835	8.4	20.4
2 11	11 14.32	+16 59.5	2.909	3.831	6.0	20.2
2 21	11 8.25	+18 14.5	2.863	3.827	3.8	20.1
3 2	11 1.38	+19 25.9	2.849	3.822	3.2	20.0
3 12	10 54.33	+20 28.9	2.865	3.817	4.9	20.1
3 22	10 47.71	+21 19.4	2.910	3.812	7.3	20.3
4 1	10 42.09	+21 55.3	2.981	3.806	9.6	20.4
4 11	10 37.91	+22 15.8	3.075	3.799	11.6	20.5

168267 2006 SA_{353} 3 4.1 126.°05 1.°2/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.02	+ 8 15.8	2.578	3.421	9.8	20.8
2 11	11 15.02	+ 8 57.8	2.510	3.430	7.0	20.6
2 21	11 8.65	+ 9 45.8	2.469	3.439	3.8	20.4
3 2	11 1.45	+10 35.4	2.458	3.447	1.2	20.2
3 12	10 54.13	+11 21.7	2.477	3.455	3.4	20.4
3 22	10 47.37	+12 0.8	2.525	3.463	6.5	20.6
4 1	10 41.79	+12 29.7	2.600	3.471	9.4	20.8
4 11	10 37.81	+12 46.6	2.699	3.479	11.8	21.0

341618 2007 UQ_{132} 3 4.1 75.°83 1.°3/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.44	+ 8 7.0	2.201	3.049	11.1	21.1
2 11	11 15.56	+ 8 47.5	2.130	3.052	7.9	20.9
2 21	11 9.05	+ 9 35.4	2.085	3.055	4.4	20.7
3 2	11 1.54	+10 25.6	2.069	3.059	1.3	20.5
3 12	10 53.85	+11 12.4	2.082	3.062	3.8	20.7
3 22	10 46.81	+11 51.1	2.124	3.065	7.4	20.9
4 1	10 41.13	+12 18.2	2.191	3.068	10.6	21.1
4 11	10 37.31	+12 31.8	2.281	3.071	13.4	21.3

519965 2013 TH_{165} 3 4.1 173.°09 1.°2/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.02	+ 0 38.0	2.162	2.986	12.2	21.6
2 11	11 16.74	+ 0 58.9	2.083	2.988	9.0	21.4
2 21	11 9.75	+ 1 32.7	2.028	2.989	5.4	21.2
3 2	11 1.67	+ 2 16.0	2.002	2.990	1.8	20.9
3 12	10 53.36	+ 3 3.8	2.005	2.991	3.0	21.0
3 22	10 45.68	+ 3 50.9	2.037	2.991	6.7	21.2
4 1	10 39.39	+ 4 32.2	2.097	2.991	10.2	21.4
4 11	10 35.04	+ 5 4.1	2.179	2.991	13.2	21.6

462883 2010 VT_{203} 3 4.1 42.°06 8.°0/27.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.18	+23 59.8	1.344	2.215	15.4	20.7
2 11	11 22.47	+24 52.8	1.309	2.233	11.7	20.5
2 21	11 13.06	+25 35.9	1.298	2.252	8.7	20.4
3 2	11 2.22	+25 59.0	1.311	2.271	8.1	20.4
3 12	10 51.55	+25 55.7	1.349	2.291	10.3	20.6
3 22	10 42.48	+25 25.0	1.411	2.312	13.5	20.8
4 1	10 36.02	+24 29.8	1.494	2.333	16.7	21.1
4 11	10 32.63	+23 15.6	1.595	2.354	19.4	21.4

198839 2005 GV_{54} 3 4.1 196.°36 0.°1/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.56	+ 3 50.7	2.127	2.958	12.1	21.7
2 11	11 18.64	+ 4 22.4	2.044	2.955	8.8	21.5
2 21	11 10.85	+ 5 5.2	1.986	2.952	5.0	21.3
3 2	11 1.87	+ 5 54.9	1.957	2.948	0.9	21.0
3 12	10 52.61	+ 6 45.8	1.959	2.943	3.3	21.1
3 22	10 43.98	+ 7 32.4	1.989	2.937	7.3	21.4
4 1	10 36.83	+ 8 10.1	2.047	2.931	10.9	21.6
4 11	10 31.74	+ 8 35.8	2.127	2.924	14.0	21.8

502273 2015 BP_{129} 3 4.1 186.°83 1.°2/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.69	+ 7 42.4	2.452	3.292	10.4	22.0
2 11	11 16.35	+ 8 32.0	2.373	3.292	7.4	21.8
2 21	11 9.47	+ 9 29.1	2.322	3.291	4.1	21.6
3 2	11 1.62	+10 28.7	2.300	3.290	1.2	21.4
3 12	10 53.57	+11 25.4	2.309	3.288	3.6	21.5
3 22	10 46.07	+12 14.3	2.348	3.285	7.0	21.8
4 1	10 39.81	+12 51.9	2.413	3.282	10.1	21.9
4 11	10 35.29	+13 16.2	2.501	3.278	12.7	22.1

278824 2008 SF_{266} 3 4.1 210.°09 1.°6/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.90	+ 9 0.3	2.066	2.917	11.6	20.6
2 11	11 16.74	+ 9 42.0	1.992	2.916	8.3	20.4
2 21	11 9.78	+10 30.8	1.944	2.914	4.6	20.2
3 2	11 1.68	+11 21.5	1.924	2.913	1.6	20.0
3 12	10 53.37	+12 7.8	1.933	2.911	4.2	20.1
3 22	10 45.72	+12 44.7	1.970	2.909	8.0	20.4
4 1	10 39.56	+13 8.6	2.033	2.907	11.4	20.6
4 11	10 35.42	+13 17.9	2.118	2.906	14.3	20.8

67045 1999 XZ_{191} 3 4.1 129.°64 0.°7/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.26	+ 2 29.5	2.325	3.149	11.4	19.9
2 11	11 17.45	+ 2 46.6	2.254	3.161	8.4	19.7
2 21	11 10.06	+ 3 13.8	2.209	3.172	4.9	19.5
3 2	11 1.73	+ 3 47.8	2.194	3.183	1.3	19.3
3 12	10 53.26	+ 4 24.2	2.208	3.193	2.8	19.4
3 22	10 45.45	+ 4 58.6	2.252	3.203	6.3	19.7
4 1	10 39.00	+ 5 27.0	2.324	3.213	9.6	19.9
4 11	10 34.39	+ 5 46.8	2.419	3.222	12.3	20.1

103057 1999 XN_{135} 3 4.1 156.°59 0.°5/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.90	+ 1 48.3	1.696	2.530	14.6	20.5
2 11	11 19.89	+ 2 33.9	1.626	2.538	10.7	20.3
2 21	11 11.66	+ 3 35.6	1.580	2.545	6.2	20.0
3 2	11 2.03	+ 4 47.8	1.561	2.551	1.3	19.7
3 12	10 52.15	+ 6 2.3	1.572	2.557	3.7	19.9
3 22	10 43.18	+ 7 11.2	1.611	2.562	8.4	20.2
4 1	10 36.08	+ 8 8.0	1.675	2.566	12.5	20.4
4 11	10 31.48	+ 8 48.9	1.761	2.569	16.0	20.6

63073 2000 WQ_{125} 3 4.1 37.°02 5.°9/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.57	−11 17.5	1.746	2.531	16.3	19.2
2 11	11 16.07	−11 26.9	1.671	2.537	13.2	19.0
2 21	11 9.52	−11 11.5	1.618	2.543	9.8	18.8
3 2	11 1.66	−10 31.6	1.588	2.550	6.9	18.6
3 12	10 53.52	− 9 31.6	1.586	2.556	6.0	18.6
3 22	10 46.15	− 8 18.5	1.609	2.564	8.1	18.7
4 1	10 40.48	− 7 0.9	1.658	2.571	11.3	18.9
4 11	10 37.11	− 5 47.1	1.730	2.578	14.5	19.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
369377	2009 UE_{139}		3 4.1	68.°60	0.°6/ 4.8	18
	h m	° ′			°	m
2 1	11 21.26	+ 0 49.4	1.767	2.603	14.0	21.0
2 11	11 16.33	+ 1 42.9	1.713	2.626	10.2	20.8
2 21	11 9.52	+ 2 52.0	1.683	2.648	5.9	20.6
3 2	11 1.64	+ 4 10.6	1.681	2.670	1.4	20.4
3 12	10 53.69	+ 5 30.9	1.707	2.692	3.3	20.5
3 22	10 46.64	+ 6 45.1	1.761	2.715	7.6	20.8
4 1	10 41.27	+ 7 47.2	1.841	2.737	11.3	21.1
4 11	10 38.07	+ 8 33.6	1.943	2.759	14.5	21.4
344646	2003 QN_{67}		3 4.1	240.°55	3.°9/28.6	17
2 1	11 24.07	+17 46.4	2.488	3.339	9.9	21.5
2 11	11 18.19	+18 41.9	2.402	3.322	7.2	21.3
2 21	11 10.59	+19 38.0	2.343	3.304	4.8	21.2
3 2	11 1.86	+20 28.6	2.314	3.286	4.0	21.1
3 12	10 52.82	+21 8.2	2.315	3.267	5.9	21.2
3 22	10 44.30	+21 32.7	2.345	3.247	8.8	21.3
4 1	10 37.08	+21 40.4	2.400	3.227	11.6	21.5
4 11	10 31.74	+21 31.3	2.476	3.206	14.0	21.6
102748	1999 VL_{117}		3 4.1	273.°18	0.°4/ 3.6	17
2 1	11 19.42	+ 5 35.3	2.491	3.330	10.3	20.7
2 11	11 14.80	+ 6 10.9	2.397	3.314	7.4	20.4
2 21	11 8.66	+ 6 55.4	2.330	3.298	4.2	20.2
3 2	11 1.52	+ 7 44.8	2.291	3.282	0.7	19.9
3 12	10 54.09	+ 8 34.3	2.283	3.265	3.1	20.1
3 22	10 47.11	+ 9 19.2	2.303	3.249	6.6	20.3
4 1	10 41.26	+ 9 55.5	2.351	3.232	9.8	20.4
4 11	10 37.07	+10 20.5	2.422	3.216	12.6	20.6
153926	2001 YL_{59}		3 4.1	98.°75	1.°5/ 2.7	18
2 1	11 23.26	+ 8 15.3	1.842	2.693	12.8	20.1
2 11	11 17.80	+ 8 59.9	1.780	2.703	9.1	19.9
2 21	11 10.40	+ 9 52.8	1.742	2.713	5.0	19.7
3 2	11 1.82	+10 47.8	1.733	2.722	1.6	19.5
3 12	10 53.09	+11 38.0	1.753	2.732	4.4	19.7
3 22	10 45.21	+12 17.8	1.800	2.741	8.4	19.9
4 1	10 39.03	+12 43.5	1.872	2.751	12.1	20.2
4 11	10 35.08	+12 53.5	1.966	2.760	15.1	20.4
272739	2005 YV_{107}		3 4.1	15.°03	5.°0/28.7	18
2 1	11 18.87	+14 13.2	1.362	2.243	14.5	19.7
2 11	11 15.21	+15 42.4	1.311	2.248	10.3	19.5
2 21	11 9.15	+17 16.7	1.284	2.254	6.4	19.3
3 2	11 1.61	+18 44.8	1.282	2.261	5.1	19.2
3 12	10 53.89	+19 55.7	1.305	2.269	8.1	19.4
3 22	10 47.23	+20 42.3	1.353	2.278	12.1	19.7
4 1	10 42.64	+21 1.8	1.422	2.288	15.9	19.9
4 11	10 40.73	+20 55.3	1.509	2.299	19.1	20.2
235420	2003 YA_{34}		3 4.1	204.°55	4.°4/28.8	18
2 1	11 24.69	+18 43.4	2.166	3.023	10.9	19.9
2 11	11 18.69	+19 26.4	2.100	3.022	8.0	19.7
2 21	11 10.86	+20 7.8	2.059	3.020	5.3	19.5
3 2	11 1.91	+20 41.5	2.047	3.019	4.5	19.4
3 12	10 52.79	+21 2.1	2.064	3.017	6.4	19.6
3 22	10 44.44	+21 6.3	2.108	3.016	9.3	19.7
4 1	10 37.65	+20 53.4	2.177	3.014	12.2	19.9
4 11	10 32.95	+20 24.4	2.267	3.012	14.7	20.1
157444	2004 VV_{17}		3 4.1	213.°07	6.°8/25.9	18
2 1	11 26.16	+26 5.4	2.177	3.030	11.0	20.1
2 11	11 19.84	+27 11.8	2.116	3.025	8.7	19.9
2 21	11 11.55	+28 11.5	2.080	3.021	7.0	19.8
3 2	11 2.03	+28 56.5	2.073	3.015	7.0	19.8
3 12	10 52.33	+29 21.1	2.093	3.010	8.8	19.9
3 22	10 43.44	+29 22.5	2.139	3.004	11.2	20.0
4 1	10 36.23	+29 1.2	2.208	2.998	13.7	20.2
4 11	10 31.28	+28 19.8	2.296	2.991	15.8	20.3
298808	2004 RV_{33}		3 4.1	163.°01	2.°1/ 2.4	18
2 1	11 27.75	+ 9 55.8	1.843	2.691	13.0	21.2
2 11	11 21.09	+10 37.9	1.775	2.697	9.3	21.0
2 21	11 12.29	+11 26.8	1.733	2.702	5.2	20.8
3 2	11 2.17	+12 15.9	1.719	2.707	2.1	20.6
3 12	10 51.85	+12 58.6	1.735	2.711	4.9	20.8
3 22	10 42.42	+13 29.4	1.779	2.715	8.9	21.0
4 1	10 34.82	+13 45.4	1.848	2.717	12.6	21.3
4 11	10 29.65	+13 45.5	1.939	2.719	15.7	21.5
50893	2000 GX_{41}		3 4.1	122.°36	2.°8/ 7.5	18 R
2 1	11 19.63	− 6 1.1	2.369	3.164	12.2	19.6
2 11	11 14.90	− 5 34.2	2.292	3.174	9.4	19.4
2 21	11 8.67	− 4 50.5	2.239	3.183	6.3	19.3
3 2	11 1.52	− 3 52.8	2.214	3.192	3.5	19.1
3 12	10 54.22	− 2 45.6	2.219	3.200	3.3	19.1
3 22	10 47.49	− 1 34.8	2.253	3.209	6.0	19.3
4 1	10 42.00	− 0 26.1	2.314	3.217	9.0	19.5
4 11	10 38.23	+ 0 35.3	2.401	3.225	11.8	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
267496	2002 JY_{88}		3 4.1	270.°84	2.°6/ 1.6	17
	h m	° ′			°	m
2 1	11 22.88	+11 57.4	1.994	2.850	11.8	20.5
2 11	11 17.61	+12 41.1	1.913	2.838	8.4	20.3
2 21	11 10.37	+13 30.1	1.856	2.826	4.8	20.0
3 2	11 1.84	+14 18.4	1.828	2.814	2.6	19.8
3 12	10 52.99	+14 59.5	1.829	2.802	5.2	20.0
3 22	10 44.79	+15 28.4	1.858	2.789	8.9	20.2
4 1	10 38.14	+15 41.8	1.911	2.777	12.4	20.4
4 11	10 33.66	+15 38.7	1.986	2.765	15.5	20.5
429744	2011 QN_{53}		3 4.1	263.°60	2.°0/ 5.9	17
2 1	11 24.39	− 0 4.2	2.352	3.165	11.7	21.3
2 11	11 18.46	− 0 18.5	2.255	3.152	8.9	21.1
2 21	11 10.78	− 0 22.2	2.184	3.139	5.6	20.8
3 2	11 1.92	− 0 16.8	2.141	3.126	2.5	20.6
3 12	10 52.71	− 0 5.2	2.128	3.112	3.1	20.6
3 22	10 44.00	+ 0 9.2	2.146	3.099	6.4	20.8
4 1	10 36.58	+ 0 22.6	2.190	3.085	9.8	21.0
4 11	10 31.05	+ 0 31.6	2.259	3.071	12.8	21.2
310384	1995 SQ_{21}		3 4.1	89.°71	0.°7/ 3.5	18
2 1	11 26.22	+ 6 2.5	1.620	2.468	14.4	20.5
2 11	11 20.03	+ 6 38.4	1.567	2.488	10.3	20.3
2 21	11 11.66	+ 7 25.0	1.538	2.508	5.7	20.1
3 2	11 2.05	+ 8 16.1	1.537	2.527	1.1	19.8
3 12	10 52.38	+ 9 4.4	1.563	2.546	4.2	20.1
3 22	10 43.79	+ 9 43.5	1.617	2.565	8.7	20.4
4 1	10 37.20	+10 9.5	1.697	2.584	12.6	20.7
4 11	10 33.12	+10 20.3	1.797	2.602	15.9	20.9
432169	2009 BV_{180}		3 4.1	155.°30	0.°2/ 3.9	18
2 1	11 20.10	+ 4 39.6	2.624	3.457	10.0	22.0
2 11	11 15.11	+ 5 18.5	2.549	3.462	7.2	21.9
2 21	11 8.74	+ 6 5.9	2.501	3.468	4.0	21.7
3 2	11 1.54	+ 6 57.8	2.482	3.472	0.7	21.4
3 12	10 54.18	+ 7 49.6	2.494	3.477	2.8	21.6
3 22	10 47.36	+ 8 36.9	2.535	3.481	6.0	21.8
4 1	10 41.66	+ 9 16.0	2.605	3.485	9.0	22.0
4 11	10 37.54	+ 9 44.4	2.698	3.489	11.5	22.2
163510	2002 TR		3 4.1	66.°44	2.°1/ 1.9	18
2 1	11 21.19	+10 1.7	1.982	2.837	11.8	19.8
2 11	11 16.16	+10 58.1	1.929	2.855	8.3	19.6
2 21	11 9.40	+12 0.5	1.902	2.873	4.6	19.4
3 2	11 1.65	+13 2.4	1.903	2.890	2.2	19.3
3 12	10 53.83	+13 57.2	1.933	2.908	4.7	19.5
3 22	10 46.82	+14 39.8	1.991	2.926	8.2	19.7
4 1	10 41.35	+15 7.1	2.074	2.943	11.4	19.9
4 11	10 37.90	+15 18.2	2.179	2.961	14.2	20.2
172054	2001 XJ_{132}		3 4.1	160.°06	3.°6/28.4	18
2 1	11 20.96	+17 39.2	2.670	3.525	9.2	20.6
2 11	11 15.74	+18 37.0	2.607	3.529	6.6	20.4
2 21	11 9.09	+19 34.6	2.571	3.533	4.4	20.3
3 2	11 1.60	+20 26.6	2.565	3.537	3.7	20.2
3 12	10 53.98	+21 8.0	2.589	3.540	5.4	20.4
3 22	10 46.92	+21 35.7	2.641	3.543	7.9	20.5
4 1	10 41.06	+21 48.0	2.718	3.546	10.4	20.7
4 11	10 36.84	+21 45.0	2.818	3.548	12.5	20.8
226758	2004 RF_{62}		3 4.1	124.°05	0.°4/ 3.8	18
2 1	11 23.92	+ 5 49.4	2.094	2.932	12.0	20.5
2 11	11 18.09	+ 6 15.7	2.026	2.942	8.6	20.3
2 21	11 10.50	+ 6 50.8	1.985	2.953	4.8	20.0
3 2	11 1.85	+ 7 30.2	1.972	2.962	0.8	19.8
3 12	10 53.07	+ 8 8.5	1.989	2.972	3.4	20.0
3 22	10 45.03	+ 8 41.1	2.034	2.981	7.2	20.2
4 1	10 38.51	+ 9 4.3	2.106	2.990	10.7	20.5
4 11	10 34.02	+ 9 15.9	2.201	2.998	13.6	20.7
199282	2006 BS_{45}		3 4.1	187.°33	0.°9/ 4.9	17
2 1	11 22.80	+ 2 6.8	2.124	2.952	12.2	20.8
2 11	11 17.36	+ 2 22.5	2.044	2.952	9.0	20.6
2 21	11 10.15	+ 2 49.8	1.989	2.952	5.3	20.4
3 2	11 1.81	+ 3 25.4	1.962	2.951	1.5	20.1
3 12	10 53.22	+ 4 4.4	1.965	2.950	3.0	20.2
3 22	10 45.27	+ 4 41.9	1.996	2.949	6.9	20.5
4 1	10 38.76	+ 5 13.3	2.055	2.948	10.4	20.7
4 11	10 34.25	+ 5 35.2	2.136	2.947	13.5	20.9
337741	2001 UR_{84}		3 4.1	156.°70	3.°4/ 9.0	18
2 1	11 19.19	− 9 52.9	3.107	3.868	10.3	22.3
2 11	11 14.30	− 9 35.7	3.021	3.876	8.2	22.1
2 21	11 8.24	− 9 3.8	2.960	3.884	6.0	22.0
3 2	11 1.45	− 8 18.6	2.927	3.891	4.0	21.8
3 12	10 54.53	− 7 23.2	2.925	3.897	3.5	21.8
3 22	10 48.04	− 6 21.5	2.953	3.903	5.1	21.9
4 1	10 42.50	− 5 18.2	3.010	3.909	7.3	22.1
4 11	10 38.30	− 4 17.6	3.093	3.914	9.5	22.2

234098 1999 TJ_{243} 3 4.1 123.°77 1.°4/ 5.6 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 20.98	− 0 30.5	2.013	2.838	12.9	20.8
2 11	11 16.11	+ 0 0.6	1.938	2.843	9.6	20.6
2 21	11 9.45	+ 0 46.9	1.887	2.848	5.8	20.4
3 2	11 1.68	+ 1 44.5	1.864	2.852	2.1	20.2
3 12	10 53.70	+ 2 47.5	1.870	2.856	3.1	20.2
3 22	10 46.39	+ 3 49.5	1.905	2.860	6.9	20.5
4 1	10 40.56	+ 4 44.6	1.966	2.864	10.6	20.7
4 11	10 36.73	+ 5 28.6	2.050	2.868	13.7	20.9

458985 2011 WC_{72} 3 4.1 245.°00 6.°6/27.1 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 27.46	+21 21.4	1.738	2.600	12.9	21.0
2 11	11 21.30	+22 39.7	1.665	2.586	9.8	20.8
2 21	11 12.64	+23 56.1	1.617	2.572	7.2	20.6
3 2	11 2.30	+25 0.6	1.596	2.557	6.9	20.6
3 12	10 51.53	+25 44.2	1.602	2.542	9.2	20.7
3 22	10 41.63	+26 2.1	1.634	2.526	12.6	20.8
4 1	10 33.74	+25 53.1	1.689	2.510	15.9	21.0
4 11	10 28.58	+25 19.9	1.761	2.493	18.8	21.2

308340 2005 PB_{24} 3 4.1 244.°39 0.°8/ 3.2 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 20.00	+ 6 59.4	2.605	3.444	9.9	21.5
2 11	11 15.15	+ 7 35.1	2.516	3.434	7.1	21.3
2 21	11 8.84	+ 8 18.2	2.454	3.423	3.9	21.1
3 2	11 1.60	+ 9 4.6	2.422	3.412	0.9	20.8
3 12	10 54.12	+ 9 49.7	2.420	3.401	3.2	21.0
3 22	10 47.10	+10 29.3	2.447	3.390	6.5	21.2
4 1	10 41.19	+10 59.8	2.502	3.378	9.5	21.4
4 11	10 36.89	+11 19.2	2.580	3.366	12.1	21.5

170254 2003 QV_{53} 3 4.1 161.°10 1.°3/ 2.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 25.34	+ 7 27.3	1.997	2.840	12.3	21.3
2 11	11 19.24	+ 8 15.8	1.928	2.847	8.8	21.1
2 21	11 11.22	+ 9 13.1	1.884	2.853	4.9	20.9
3 2	11 2.03	+10 13.3	1.869	2.859	1.3	20.6
3 12	10 52.64	+11 9.7	1.884	2.863	4.1	20.8
3 22	10 44.02	+11 56.6	1.928	2.867	8.1	21.1
4 1	10 37.02	+12 30.1	1.998	2.871	11.6	21.3
4 11	10 32.19	+12 48.3	2.089	2.873	14.6	21.5

348573 2005 WH_{20} 3 4.1 28.°75 5.°9/29.3 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 26.49	+16 37.0	1.154	2.035	16.6	20.4
2 11	11 21.07	+17 35.7	1.105	2.040	12.1	20.2
2 21	11 12.61	+18 35.5	1.077	2.046	7.7	20.0
3 2	11 2.28	+19 24.7	1.074	2.053	6.0	19.9
3 12	10 51.80	+19 53.2	1.095	2.060	9.0	20.1
3 22	10 42.78	+19 55.8	1.139	2.068	13.5	20.3
4 1	10 36.49	+19 32.1	1.203	2.076	17.7	20.6
4 11	10 33.53	+18 45.4	1.285	2.085	21.2	20.9

356618 2011 UT_{14} 3 4.1 285.°39 1.°5/ 3.2 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 27.51	+ 8 48.7	1.430	2.288	15.4	20.6
2 11	11 21.63	+ 9 4.0	1.351	2.276	11.2	20.3
2 21	11 12.95	+ 9 28.4	1.294	2.265	6.3	20.0
3 2	11 2.38	+ 9 55.9	1.264	2.254	1.6	19.7
3 12	10 51.29	+10 19.1	1.261	2.243	5.2	19.9
3 22	10 41.14	+10 32.1	1.284	2.232	10.4	20.1
4 1	10 33.23	+10 30.7	1.330	2.221	15.1	20.4
4 11	10 28.35	+10 13.7	1.395	2.210	19.1	20.6

462899 2010 XP_{43} 3 4.1 79.°30 0.°2/ 3.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 23.09	+ 3 22.5	1.710	2.553	14.0	21.3
2 11	11 17.70	+ 4 17.5	1.658	2.575	10.1	21.1
2 21	11 10.35	+ 5 26.1	1.630	2.598	5.6	20.9
3 2	11 1.86	+ 6 41.4	1.630	2.621	0.9	20.6
3 12	10 53.33	+ 7 55.3	1.659	2.643	3.7	20.9
3 22	10 45.76	+ 9 0.6	1.715	2.665	8.1	21.2
4 1	10 39.98	+ 9 51.9	1.797	2.687	11.9	21.4
4 11	10 36.50	+10 26.5	1.901	2.708	15.0	21.7

464244 2015 DB_{100} 3 4.1 253.°13 1.°7/ 5.7 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 21.73	− 0 23.8	1.968	2.794	13.2	21.0
2 11	11 16.75	− 0 7.4	1.887	2.791	9.9	20.7
2 21	11 9.88	+ 0 23.8	1.829	2.789	6.1	20.5
3 2	11 1.81	+ 1 6.6	1.799	2.786	2.3	20.3
3 12	10 53.44	+ 1 55.9	1.797	2.783	3.2	20.3
3 22	10 45.72	+ 2 45.7	1.824	2.780	7.1	20.6
4 1	10 39.51	+ 3 30.4	1.877	2.777	10.9	20.8
4 11	10 35.39	+ 4 5.4	1.952	2.775	14.1	21.0

388148 2005 WP_{159} 3 4.1 284.°36 1.°0/ 2.9 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 19.69	+ 8 0.7	2.476	3.321	10.1	21.4
2 11	11 14.94	+ 8 34.6	2.398	3.319	7.2	21.2
2 21	11 8.72	+ 9 15.1	2.347	3.316	4.0	21.0
3 2	11 1.60	+ 9 57.9	2.324	3.314	1.1	20.8
3 12	10 54.28	+10 38.3	2.332	3.312	3.4	21.0
3 22	10 47.50	+11 12.1	2.368	3.310	6.7	21.2
4 1	10 41.90	+11 36.1	2.431	3.307	9.7	21.4
4 11	10 37.96	+11 48.5	2.517	3.305	12.3	21.5

43755 1983 RJ_{1} 3 4.1 215.°41 0.°7/ 4.8 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 23.92	+ 1 51.2	2.101	2.928	12.4	19.4
2 11	11 18.29	+ 2 23.7	2.012	2.920	9.2	19.2
2 21	11 10.76	+ 3 9.6	1.948	2.911	5.4	18.9
3 2	11 1.98	+ 4 4.8	1.912	2.901	1.4	18.6
3 12	10 52.85	+ 5 3.6	1.906	2.891	3.2	18.7
3 22	10 44.30	+ 6 0.0	1.930	2.880	7.2	19.0
4 1	10 37.20	+ 6 48.6	1.980	2.869	11.0	19.2
4 11	10 32.17	+ 7 25.3	2.053	2.857	14.2	19.3

215909 2005 JH_{13} 3 4.1 196.°38 3.°9/29.7 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 26.20	+15 9.7	1.897	2.753	12.2	20.7
2 11	11 20.03	+16 2.3	1.827	2.752	8.8	20.5
2 21	11 11.76	+16 57.3	1.783	2.749	5.4	20.3
3 2	11 2.15	+17 47.3	1.767	2.747	3.9	20.2
3 12	10 52.29	+18 25.4	1.780	2.744	6.3	20.3
3 22	10 43.26	+18 47.0	1.820	2.740	9.8	20.5
4 1	10 35.99	+18 50.0	1.885	2.736	13.2	20.7
4 11	10 31.10	+18 34.8	1.970	2.731	16.1	20.9

246567 2008 SD_{261} 3 4.1 61.°36 1.°0/ 3.1 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 20.92	+ 6 40.8	1.942	2.791	12.3	21.3
2 11	11 16.11	+ 7 26.5	1.875	2.797	8.8	21.1
2 21	11 9.48	+ 8 21.8	1.832	2.802	4.8	20.9
3 2	11 1.74	+ 9 21.1	1.817	2.808	1.1	20.6
3 12	10 53.81	+10 17.7	1.832	2.813	3.9	20.8
3 22	10 46.62	+11 5.7	1.874	2.819	7.9	21.1
4 1	10 40.95	+11 40.9	1.942	2.825	11.5	21.3
4 11	10 37.36	+12 1.0	2.031	2.830	14.5	21.5

428737 2008 RY_{110} 3 4.1 109.°07 1.°4/ 2.7 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 22.33	+ 8 29.7	2.115	2.962	11.5	22.0
2 11	11 16.96	+ 9 13.2	2.051	2.973	8.2	21.8
2 21	11 9.89	+10 3.7	2.014	2.983	4.5	21.6
3 2	11 1.81	+10 55.7	2.005	2.994	1.5	21.4
3 12	10 53.59	+11 43.4	2.025	3.004	4.0	21.6
3 22	10 46.11	+12 22.0	2.074	3.014	7.6	21.8
4 1	10 40.10	+12 47.9	2.150	3.024	10.9	22.0
4 11	10 36.06	+12 59.9	2.247	3.033	13.7	22.3

361704 2007 VZ_{206} 3 4.1 82.°82 5.°0/28.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 25.25	+15 54.4	1.514	2.382	14.1	20.2
2 11	11 19.62	+17 8.3	1.463	2.392	10.1	20.0
2 21	11 11.59	+18 23.9	1.436	2.402	6.4	19.8
3 2	11 2.11	+19 31.5	1.435	2.412	5.1	19.7
3 12	10 52.51	+20 21.8	1.462	2.422	7.8	19.9
3 22	10 44.04	+20 49.7	1.514	2.432	11.6	20.1
4 1	10 37.70	+20 53.7	1.589	2.442	15.2	20.4
4 11	10 34.08	+20 35.4	1.682	2.452	18.2	20.6

432570 2010 NK_{37} 3 4.1 174.°74 0.°3/ 3.8 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 19.10	+ 4 18.6	2.719	3.550	9.8	21.6
2 11	11 14.40	+ 5 10.5	2.639	3.552	7.0	21.4
2 21	11 8.38	+ 6 11.4	2.587	3.554	3.9	21.2
3 2	11 1.54	+ 7 17.2	2.565	3.555	0.7	20.9
3 12	10 54.53	+ 8 22.9	2.573	3.556	2.8	21.1
3 22	10 48.00	+ 9 23.6	2.612	3.557	6.0	21.3
4 1	10 42.52	+10 15.5	2.679	3.557	8.9	21.5
4 11	10 38.55	+10 55.8	2.769	3.557	11.3	21.7

419887 2011 AL_{45} 3 4.1 120.°14 8.°0/10.1 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 28.48	−14 23.1	1.933	2.681	16.2	20.6
2 11	11 21.81	−15 36.9	1.851	2.683	13.6	20.5
2 21	11 12.86	−16 29.6	1.790	2.686	10.9	20.3
3 2	11 2.38	−16 57.9	1.754	2.689	8.7	20.2
3 12	10 51.43	−17 1.9	1.746	2.691	8.1	20.1
3 22	10 41.18	−16 44.7	1.764	2.693	9.4	20.2
4 1	10 32.66	−16 12.7	1.808	2.696	11.9	20.4
4 11	10 26.60	−15 33.4	1.874	2.698	14.6	20.5

179053 2001 ST_{39} 3 4.1 144.°70 5.°0/28.4 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 27.75	+20 18.6	2.108	2.961	11.3	20.2
2 11	11 20.88	+21 9.6	2.052	2.970	8.4	20.0
2 21	11 12.09	+21 57.3	2.022	2.979	5.8	19.9
3 2	11 2.20	+22 34.9	2.021	2.987	5.1	19.8
3 12	10 52.22	+22 56.7	2.049	2.995	7.0	20.0
3 22	10 43.14	+23 0.2	2.104	3.002	9.8	20.1
4 1	10 35.79	+22 44.9	2.184	3.009	12.6	20.3
4 11	10 30.68	+22 12.7	2.285	3.015	15.0	20.5

317065 2001 ST_{141} 3 4.1 134.°90 0.°6/ 4.7 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 24.24	+ 2 51.2	1.886	2.721	13.3	21.2
2 11	11 18.55	+ 3 11.2	1.815	2.727	9.7	21.0
2 21	11 10.88	+ 3 43.5	1.768	2.732	5.6	20.8
3 2	11 2.00	+ 4 24.0	1.748	2.738	1.4	20.5
3 12	10 52.90	+ 5 7.1	1.758	2.743	3.3	20.6
3 22	10 44.58	+ 5 47.0	1.795	2.748	7.5	20.9
4 1	10 37.92	+ 6 18.8	1.859	2.753	11.4	21.1
4 11	10 33.49	+ 6 39.4	1.945	2.757	14.6	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
288766	2004 RB_{94}		3 4.1	139.°51	2.°4/ 6.5	16
	h m	° ′			°	m
2 1	11 23.96	− 2 31.9	2.237	3.044	12.5	21.5
2 11	11 18.09	− 2 27.9	2.162	3.053	9.4	21.3
2 21	11 10.53	− 2 9.9	2.111	3.063	6.1	21.1
3 2	11 1.94	− 1 40.3	2.089	3.071	3.0	20.9
3 12	10 53.17	− 1 3.0	2.096	3.080	3.2	21.0
3 22	10 45.06	− 0 22.8	2.133	3.087	6.4	21.2
4 1	10 38.35	+ 0 15.4	2.197	3.095	9.7	21.4
4 11	10 33.57	+ 0 47.4	2.285	3.102	12.5	21.6
82054	2000 TG_{39}		3 4.1	238.°46	6.°4/26.0	18
2 1	11 27.15	+28 9.4	2.525	3.369	10.0	19.4
2 11	11 20.36	+28 54.1	2.459	3.361	8.0	19.2
2 21	11 11.79	+29 30.6	2.420	3.353	6.6	19.1
3 2	11 2.16	+29 52.8	2.408	3.344	6.6	19.1
3 12	10 52.39	+29 56.3	2.426	3.336	8.0	19.2
3 22	10 43.36	+29 39.4	2.470	3.327	10.2	19.3
4 1	10 35.87	+29 2.8	2.538	3.318	12.3	19.5
4 11	10 30.41	+28 9.2	2.626	3.309	14.3	19.6
518134	2016 CC_{289}		3 4.1	284.°49	4.°8/ 8.0	17
2 1	11 22.90	− 7 15.8	1.882	2.679	14.8	21.3
2 11	11 17.89	− 7 34.6	1.782	2.661	11.8	21.1
2 21	11 10.72	− 7 34.1	1.705	2.643	8.5	20.9
3 2	11 2.02	− 7 14.3	1.653	2.624	5.5	20.6
3 12	10 52.77	− 6 38.0	1.629	2.605	5.1	20.6
3 22	10 44.05	− 5 50.4	1.632	2.587	7.9	20.7
4 1	10 36.87	− 4 58.3	1.661	2.568	11.6	20.9
4 11	10 31.99	− 4 8.7	1.712	2.550	15.1	21.0
385256	2001 OU_3		3 4.1	191.°78	4.°8/ 6.6	18
2 1	11 33.63	− 2 58.4	1.337	2.157	18.5	20.7
2 11	11 26.24	− 3 48.8	1.260	2.156	14.4	20.4
2 21	11 15.67	− 4 20.6	1.205	2.155	9.7	20.1
3 2	11 2.92	− 4 33.1	1.174	2.154	5.5	19.9
3 12	10 49.55	− 4 28.9	1.171	2.152	5.8	19.9
3 22	10 37.29	− 4 13.5	1.194	2.149	10.2	20.1
4 1	10 27.59	− 3 54.1	1.241	2.146	14.9	20.4
4 11	10 21.34	− 3 37.7	1.308	2.142	19.1	20.6
330099	2005 WM_{144}		3 4.1	101.°68	4.°4/ 9.2	18
2 1	11 22.03	−10 54.0	2.130	2.902	14.1	21.8
2 11	11 16.71	−10 28.1	2.063	2.925	11.3	21.6
2 21	11 9.74	− 9 40.3	2.020	2.947	8.1	21.4
3 2	11 1.80	− 8 33.1	2.003	2.969	5.3	21.3
3 12	10 53.76	− 7 11.8	2.015	2.990	4.5	21.3
3 22	10 46.46	− 5 43.4	2.056	3.010	6.6	21.5
4 1	10 40.63	− 4 15.4	2.125	3.031	9.6	21.7
4 11	10 36.74	− 2 54.5	2.219	3.050	12.4	21.9
281137	2007 CH_{66}		3 4.1	27.°44	7.°9/28.6	18
2 1	11 29.51	+23 37.7	1.260	2.133	16.0	19.3
2 11	11 22.93	+24 13.6	1.221	2.147	12.1	19.1
2 21	11 13.47	+24 39.5	1.204	2.161	8.9	19.0
3 2	11 2.45	+24 45.7	1.211	2.176	8.0	19.0
3 12	10 51.57	+24 26.0	1.243	2.193	10.2	19.1
3 22	10 42.35	+23 39.9	1.299	2.210	13.7	19.4
4 1	10 35.87	+22 30.8	1.376	2.228	17.1	19.6
4 11	10 32.60	+21 4.2	1.471	2.248	20.0	19.9
175929	2000 DB_{88}		3 4.1	134.°69	0.°8/ 3.4	18
2 1	11 24.35	+ 6 28.6	1.727	2.576	13.6	19.1
2 11	11 18.80	+ 7 1.9	1.658	2.579	9.8	18.9
2 21	11 11.11	+ 7 45.6	1.613	2.582	5.5	18.6
3 2	11 2.07	+ 8 34.2	1.595	2.585	1.1	18.3
3 12	10 52.79	+ 9 20.7	1.605	2.588	4.1	18.6
3 22	10 44.36	+ 9 59.0	1.643	2.590	8.6	18.8
4 1	10 37.74	+10 24.7	1.706	2.593	12.6	19.1
4 11	10 33.52	+10 35.4	1.790	2.595	15.9	19.3
89564	2001 XJ_{103}		3 4.1	143.°69	4.°3/29.2	18
2 1	11 27.01	+15 6.3	1.822	2.679	12.6	20.4
2 11	11 20.58	+16 22.4	1.766	2.691	9.1	20.2
2 21	11 12.04	+17 40.9	1.737	2.702	5.6	20.0
3 2	11 2.22	+18 53.0	1.735	2.713	4.3	19.9
3 12	10 52.27	+19 50.8	1.763	2.723	6.8	20.1
3 22	10 43.28	+20 29.2	1.818	2.732	10.2	20.3
4 1	10 36.16	+20 46.1	1.897	2.740	13.5	20.6
4 11	10 31.47	+20 42.6	1.997	2.747	16.3	20.8
403307	2009 CR_6		3 4.1	67.°38	2.°3/ 2.1	18
2 1	11 22.57	+ 7 41.0	1.400	2.265	15.3	21.1
2 11	11 17.82	+ 8 59.0	1.345	2.275	10.8	20.9
2 21	11 10.65	+10 29.8	1.313	2.285	6.0	20.7
3 2	11 1.99	+12 3.4	1.307	2.296	2.3	20.4
3 12	10 53.14	+13 28.8	1.329	2.306	5.8	20.7
3 22	10 45.37	+14 37.2	1.376	2.317	10.5	21.0
4 1	10 39.71	+15 23.1	1.446	2.328	14.7	21.3
4 11	10 36.77	+15 45.4	1.535	2.339	18.2	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
190038	2004 RK_{88}		3 4.1	236.°79	3.°2/ 7.5	17
	h m	° ′			°	m
2 1	11 21.28	− 6 1.6	2.238	3.034	12.8	20.9
2 11	11 16.35	− 5 43.5	2.141	3.022	10.0	20.7
2 21	11 9.67	− 5 7.4	2.067	3.010	6.8	20.5
3 2	11 1.82	− 4 15.2	2.020	2.997	3.9	20.3
3 12	10 53.62	− 3 11.2	2.003	2.984	3.6	20.2
3 22	10 45.90	− 2 1.3	2.015	2.971	6.6	20.4
4 1	10 39.48	− 0 51.9	2.054	2.957	10.0	20.6
4 11	10 34.94	+ 0 11.1	2.118	2.943	13.1	20.7
54894	2001 OX_{69}		3 4.1	187.°73	0.°6/ 3.5	18
2 1	11 24.24	+ 6 11.2	2.315	3.149	11.1	19.9
2 11	11 18.31	+ 6 45.7	2.234	3.149	8.0	19.7
2 21	11 10.69	+ 7 28.5	2.180	3.147	4.5	19.5
3 2	11 1.99	+ 8 15.4	2.155	3.146	0.8	19.2
3 12	10 53.06	+ 9 1.2	2.161	3.143	3.3	19.4
3 22	10 44.74	+ 9 40.9	2.197	3.140	7.0	19.6
4 1	10 37.77	+10 10.9	2.259	3.136	10.3	19.8
4 11	10 32.71	+10 29.0	2.345	3.131	13.2	20.0
44777	1999 TS_{151}		3 4.1	359.°82	1.°2/ 5.0	18
2 1	11 24.51	+ 1 57.3	1.518	2.361	15.5	18.7
2 11	11 19.21	+ 2 6.6	1.445	2.360	11.5	18.5
2 21	11 11.47	+ 2 31.5	1.395	2.360	6.8	18.2
3 2	11 2.16	+ 3 8.0	1.371	2.360	2.0	17.9
3 12	10 52.50	+ 3 49.6	1.374	2.360	3.8	18.0
3 22	10 43.76	+ 4 29.4	1.403	2.360	8.7	18.3
4 1	10 37.02	+ 5 1.2	1.457	2.360	13.2	18.6
4 11	10 32.98	+ 5 20.7	1.531	2.361	17.0	18.8
373593	2002 CN_{109}		3 4.1	359.°24	0.°3/ 3.9	18
2 1	11 24.42	+ 6 46.3	1.459	2.316	15.2	19.9
2 11	11 19.20	+ 6 43.3	1.389	2.314	11.0	19.6
2 21	11 11.48	+ 6 50.0	1.342	2.312	6.2	19.3
3 2	11 2.16	+ 7 2.0	1.321	2.311	1.1	19.0
3 12	10 52.53	+ 7 13.6	1.326	2.312	4.2	19.2
3 22	10 43.89	+ 7 19.7	1.358	2.313	9.2	19.5
4 1	10 37.33	+ 7 16.2	1.413	2.314	13.7	19.8
4 11	10 33.55	+ 7 1.1	1.488	2.317	17.5	20.0
141406	2002 AR_{162}		3 4.1	8.°94	0.°7/ 4.6	18
2 1	11 21.11	+ 1 48.7	1.242	2.101	17.2	19.6
2 11	11 17.10	+ 2 25.6	1.177	2.101	12.7	19.3
2 21	11 10.41	+ 3 23.2	1.134	2.102	7.4	19.0
3 2	11 1.98	+ 4 35.1	1.114	2.104	1.7	18.7
3 12	10 53.19	+ 5 51.2	1.120	2.107	4.4	18.9
3 22	10 45.48	+ 7 1.0	1.151	2.110	9.9	19.2
4 1	10 40.01	+ 7 56.2	1.204	2.114	14.9	19.5
4 11	10 37.51	+ 8 31.7	1.276	2.118	19.0	19.7
71014	1999 XW_{52}		3 4.1	209.°30	2.°5/ 1.2	18
2 1	11 22.70	+12 56.3	2.551	3.399	9.8	20.5
2 11	11 17.13	+13 46.8	2.471	3.392	7.0	20.3
2 21	11 10.00	+14 40.7	2.418	3.385	4.1	20.1
3 2	11 1.88	+15 33.0	2.394	3.377	2.5	20.0
3 12	10 53.53	+16 18.3	2.402	3.369	4.6	20.1
3 22	10 45.71	+16 52.7	2.438	3.360	7.6	20.3
4 1	10 39.11	+17 13.5	2.501	3.351	10.4	20.5
4 11	10 34.25	+17 19.9	2.586	3.341	12.9	20.6
95524	2002 EN_{70}		3 4.1	115.°07	1.°3/ 5.5	18
2 1	11 20.68	− 0 27.5	1.948	2.776	13.2	19.7
2 11	11 15.99	+ 0 8.9	1.872	2.779	9.8	19.5
2 21	11 9.47	+ 1 1.3	1.821	2.782	5.9	19.3
3 2	11 1.79	+ 2 5.4	1.797	2.785	2.0	19.0
3 12	10 53.88	+ 3 14.9	1.802	2.788	3.1	19.1
3 22	10 46.66	+ 4 22.9	1.835	2.791	7.1	19.4
4 1	10 40.93	+ 5 23.1	1.894	2.793	10.9	19.6
4 11	10 37.26	+ 6 11.0	1.976	2.796	14.1	19.8
132018	2002 CD_{107}		3 4.1	32.°56	2.°8/ 2.2	18
2 1	11 22.88	+ 9 15.4	1.125	2.003	17.1	19.1
2 11	11 18.41	+10 10.2	1.079	2.014	12.2	18.8
2 21	11 11.10	+11 16.2	1.053	2.027	6.8	18.6
3 2	11 2.08	+12 23.0	1.052	2.040	2.8	18.3
3 12	10 52.95	+13 19.7	1.075	2.054	6.4	18.6
3 22	10 45.20	+13 58.0	1.122	2.069	11.6	18.9
4 1	10 39.97	+14 13.9	1.190	2.085	16.2	19.2
4 11	10 37.85	+14 7.2	1.276	2.101	20.0	19.5
169343	2001 TD_{205}		3 4.1	77.°99	5.°0/27.5	18
2 1	11 21.79	+20 5.8	2.193	3.055	10.6	19.8
2 11	11 16.61	+21 13.1	2.140	3.063	7.8	19.6
2 21	11 9.72	+22 18.1	2.113	3.071	5.5	19.5
3 2	11 1.83	+23 13.7	2.114	3.079	5.1	19.5
3 12	10 53.83	+23 54.2	2.144	3.087	7.0	19.6
3 22	10 46.57	+24 16.1	2.200	3.095	9.7	19.8
4 1	10 40.80	+24 18.5	2.281	3.103	12.3	20.0
4 11	10 37.01	+24 2.6	2.381	3.111	14.5	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
42081	2001 AX_7		3 4.1	108.°68	2.°6/ 6.5	18
	h m	° ′			°	m
2 1	11 24.18	− 3 23.5	1.684	2.503	15.3	19.5
2 11	11 18.67	− 2 59.7	1.619	2.517	11.6	19.3
2 21	11 11.02	− 2 15.9	1.576	2.530	7.4	19.0
3 2	11 2.08	− 1 16.0	1.560	2.543	3.4	18.8
3 12	10 52.96	− 0 6.8	1.571	2.556	3.7	18.9
3 22	10 44.74	+ 1 3.9	1.611	2.569	7.7	19.1
4 1	10 38.36	+ 2 8.6	1.676	2.581	11.7	19.4
4 11	10 34.39	+ 3 1.4	1.764	2.593	15.1	19.6
209577	2004 XY_{83}		3 4.1	25.°46	3.°2/ 1.9	18
2 1	11 22.47	+10 28.1	1.078	1.960	17.3	19.5
2 11	11 18.20	+11 18.3	1.032	1.970	12.3	19.3
2 21	11 11.01	+12 18.0	1.008	1.982	6.9	19.0
3 2	11 2.08	+13 16.8	1.007	1.995	3.2	18.8
3 12	10 53.04	+14 3.9	1.030	2.009	6.8	19.1
3 22	10 45.42	+14 31.5	1.076	2.024	12.0	19.4
4 1	10 40.40	+14 36.5	1.143	2.040	16.6	19.7
4 11	10 38.56	+14 19.1	1.228	2.057	20.4	20.0
169418	2001 XF_{208}		3 4.1	97.°31	9.°3/19.1	18
2 1	11 25.75	+40 9.2	2.625	3.441	10.5	20.5
2 11	11 19.42	+41 50.3	2.613	3.464	9.5	20.5
2 21	11 11.27	+43 14.4	2.627	3.487	9.3	20.5
3 2	11 2.11	+44 14.7	2.667	3.509	9.8	20.6
3 12	10 52.92	+44 47.8	2.731	3.530	10.9	20.7
3 22	10 44.63	+44 53.5	2.817	3.552	12.2	20.8
4 1	10 38.03	+44 34.0	2.921	3.573	13.5	21.0
4 11	10 33.58	+43 53.6	3.041	3.593	14.5	21.1
418999	2009 OE_{12}		3 4.1	283.°30	8.°2/10.5	17
2 1	11 24.70	−14 39.1	1.775	2.534	17.0	20.8
2 11	11 19.34	−15 34.8	1.685	2.526	14.4	20.6
2 21	11 11.61	−16 6.7	1.615	2.518	11.5	20.4
3 2	11 2.24	−16 11.8	1.570	2.510	9.1	20.2
3 12	10 52.30	−15 50.6	1.550	2.502	8.3	20.1
3 22	10 42.99	−15 7.5	1.555	2.494	9.7	20.2
4 1	10 35.43	−14 10.1	1.586	2.486	12.5	20.3
4 11	10 30.40	−13 7.4	1.638	2.478	15.6	20.5
169141	2001 QQ_{92}		3 4.1	184.°58	3.°0/29.9	17
2 1	11 23.08	+14 41.9	2.315	3.168	10.4	20.5
2 11	11 17.48	+15 21.3	2.245	3.168	7.5	20.3
2 21	11 10.22	+16 2.4	2.201	3.168	4.5	20.1
3 2	11 1.94	+16 39.9	2.187	3.168	3.0	20.0
3 12	10 53.49	+17 8.5	2.202	3.167	5.1	20.1
3 22	10 45.70	+17 24.9	2.245	3.167	8.1	20.3
4 1	10 39.30	+17 27.0	2.314	3.166	11.1	20.5
4 11	10 34.79	+17 14.8	2.405	3.165	13.6	20.7
384892	2012 TE_{18}		3 4.1	128.°38	1.°0/ 5.4	17
2 1	11 19.92	+ 0 22.0	2.505	3.325	10.9	21.7
2 11	11 15.07	+ 0 54.3	2.430	3.334	8.0	21.5
2 21	11 8.81	+ 1 38.2	2.382	3.342	4.8	21.3
3 2	11 1.69	+ 2 30.2	2.362	3.351	1.6	21.1
3 12	10 54.42	+ 3 25.7	2.373	3.359	2.6	21.2
3 22	10 47.71	+ 4 19.9	2.413	3.366	5.8	21.4
4 1	10 42.17	+ 5 8.2	2.481	3.374	8.9	21.6
4 11	10 38.25	+ 5 47.3	2.573	3.381	11.5	21.8
132037	2002 CS_{127}		3 4.1	76.°33	2.°0/ 2.5	18
2 1	11 22.67	+ 6 47.9	1.420	2.282	15.3	20.0
2 11	11 17.92	+ 8 3.3	1.361	2.289	10.9	19.7
2 21	11 10.74	+ 9 32.6	1.325	2.297	6.0	19.5
3 2	11 2.05	+11 6.5	1.315	2.304	2.0	19.2
3 12	10 53.13	+12 34.0	1.333	2.312	5.5	19.5
3 22	10 45.24	+13 45.9	1.376	2.320	10.3	19.8
4 1	10 39.44	+14 36.3	1.443	2.328	14.6	20.1
4 11	10 36.35	+15 3.4	1.530	2.335	18.1	20.3
504197	2006 TH_{97}		3 4.2	185.°27	0.°4/ 3.6	17
2 1	11 20.29	+ 5 53.6	2.820	3.653	9.4	22.6
2 11	11 15.24	+ 6 26.7	2.739	3.653	6.8	22.4
2 21	11 8.88	+ 7 6.9	2.685	3.653	3.8	22.2
3 2	11 1.71	+ 7 50.6	2.661	3.652	0.7	22.0
3 12	10 54.37	+ 8 33.6	2.668	3.650	2.7	22.1
3 22	10 47.49	+ 9 12.2	2.705	3.649	5.8	22.3
4 1	10 41.66	+ 9 43.1	2.769	3.647	8.6	22.5
4 11	10 37.32	+10 4.3	2.858	3.644	11.0	22.7
360559	2003 TT_2		3 4.2	100.°13	7.°8/26.6	16
2 1	11 33.22	+27 19.1	1.833	2.681	13.0	21.2
2 11	11 24.88	+28 28.9	1.804	2.709	10.2	21.1
2 21	11 14.33	+29 27.0	1.800	2.737	8.2	21.0
3 2	11 2.66	+30 4.7	1.824	2.764	8.1	21.1
3 12	10 51.18	+30 16.8	1.875	2.790	9.8	21.2
3 22	10 41.10	+30 2.4	1.952	2.815	12.2	21.4
4 1	10 33.27	+29 24.4	2.052	2.839	14.6	21.6
4 11	10 28.15	+28 27.5	2.170	2.863	16.7	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
197634	2004 KV_{10}		3 4.2	266.°77	3.°3/ 1.5	18
	h m	° ′			°	m
2 1	11 24.12	+10 19.7	1.414	2.281	15.0	20.8
2 11	11 19.25	+11 32.7	1.339	2.269	10.8	20.5
2 21	11 11.68	+12 57.6	1.286	2.258	6.2	20.2
3 2	11 2.26	+14 24.6	1.260	2.246	3.4	20.0
3 12	10 52.32	+15 42.5	1.260	2.234	6.8	20.2
3 22	10 43.27	+16 41.9	1.286	2.222	11.6	20.4
4 1	10 36.36	+17 17.5	1.334	2.209	16.1	20.6
4 11	10 32.40	+17 28.0	1.401	2.197	20.0	20.8
302435	2002 DD_{19}		3 4.2	101.°55	3.°1/ 6.5	18
2 1	11 26.42	− 2 51.9	1.556	2.378	16.2	21.1
2 11	11 20.44	− 2 52.0	1.491	2.391	12.4	20.9
2 21	11 12.10	− 2 32.5	1.449	2.403	8.0	20.7
3 2	11 2.31	− 1 56.3	1.432	2.415	3.9	20.5
3 12	10 52.30	− 1 9.2	1.443	2.427	4.2	20.5
3 22	10 43.30	− 0 18.4	1.481	2.439	8.3	20.8
4 1	10 36.34	+ 0 28.7	1.544	2.450	12.4	21.0
4 11	10 32.04	+ 1 6.5	1.628	2.461	16.0	21.3
117042	2004 JF_{26}		3 4.2	4.°62	2.°6/ 6.2	18
2 1	11 20.11	− 1 54.1	1.370	2.212	16.9	19.1
2 11	11 16.22	− 1 40.9	1.300	2.212	12.8	18.8
2 21	11 9.87	− 1 5.8	1.252	2.212	8.1	18.6
3 2	11 1.93	− 0 12.3	1.227	2.213	3.5	18.3
3 12	10 53.64	+ 0 51.9	1.229	2.216	4.1	18.3
3 22	10 46.28	+ 1 57.9	1.256	2.218	8.8	18.6
4 1	10 40.96	+ 2 56.8	1.306	2.222	13.5	18.9
4 11	10 38.37	+ 3 42.2	1.376	2.227	17.4	19.1
433217	2012 UD_{128}		3 4.2	187.°69	3.°1/ 7.5	17
2 1	11 21.35	− 5 23.0	2.440	3.234	11.9	21.5
2 11	11 16.21	− 5 24.8	2.354	3.234	9.3	21.3
2 21	11 9.53	− 5 12.0	2.292	3.233	6.4	21.1
3 2	11 1.85	− 4 46.0	2.257	3.233	3.7	21.0
3 12	10 53.93	− 4 10.0	2.252	3.232	3.5	20.9
3 22	10 46.54	− 3 28.3	2.276	3.231	6.0	21.1
4 1	10 40.36	− 2 45.9	2.328	3.230	9.0	21.3
4 11	10 35.90	− 2 7.1	2.404	3.228	11.7	21.5
57012	2000 TA_{21}		3 4.2	196.°62	1.°9/ 1.7	18
2 1	11 19.08	+10 6.1	2.539	3.388	9.8	19.5
2 11	11 14.53	+11 7.7	2.464	3.387	6.9	19.3
2 21	11 8.55	+12 15.1	2.416	3.386	3.9	19.1
3 2	11 1.67	+13 23.2	2.398	3.384	1.9	19.0
3 12	10 54.60	+14 26.2	2.409	3.382	4.1	19.1
3 22	10 48.04	+15 19.4	2.450	3.380	7.1	19.3
4 1	10 42.62	+15 59.4	2.518	3.378	10.0	19.5
4 11	10 38.82	+16 24.7	2.608	3.376	12.5	19.7
375300	2008 PN_{16}		3 4.2	187.°67	1.°6/ 6.2	17
2 1	11 20.51	− 2 49.8	2.603	3.407	11.0	22.1
2 11	11 15.53	− 2 4.4	2.514	3.406	8.3	21.9
2 21	11 9.11	− 1 4.5	2.452	3.405	5.2	21.7
3 2	11 1.78	+ 0 6.6	2.418	3.403	2.2	21.5
3 12	10 54.23	+ 1 23.9	2.416	3.401	2.6	21.6
3 22	10 47.16	+ 2 41.6	2.444	3.398	5.7	21.8
4 1	10 41.21	+ 3 54.5	2.500	3.394	8.8	21.9
4 11	10 36.86	+ 4 58.0	2.582	3.389	11.5	22.1
172784	2004 EH_{83}		3 4.2	297.°18	1.°0/ 3.2	17
2 1	11 23.66	+ 8 45.9	2.195	3.039	11.3	19.7
2 11	11 18.00	+ 8 58.6	2.115	3.034	8.1	19.5
2 21	11 10.58	+ 9 17.0	2.061	3.030	4.5	19.3
3 2	11 2.05	+ 9 37.1	2.036	3.026	1.1	19.0
3 12	10 53.28	+ 9 54.5	2.040	3.021	3.6	19.2
3 22	10 45.16	+10 5.5	2.073	3.017	7.3	19.4
4 1	10 38.46	+10 7.3	2.133	3.013	10.7	19.6
4 11	10 33.73	+ 9 58.5	2.215	3.008	13.6	19.8
401068	2011 UE_{59}		3 4.2	240.°73	1.°3/ 5.3	17
2 1	11 23.05	− 0 41.9	1.623	2.456	15.2	21.5
2 11	11 18.19	+ 0 4.5	1.536	2.446	11.3	21.3
2 21	11 10.98	+ 1 12.0	1.472	2.435	6.9	21.0
3 2	11 2.16	+ 2 35.7	1.435	2.424	2.1	20.7
3 12	10 52.84	+ 4 7.2	1.426	2.412	3.7	20.7
3 22	10 44.23	+ 5 37.0	1.444	2.400	8.7	21.0
4 1	10 37.43	+ 6 56.2	1.487	2.387	13.2	21.2
4 11	10 33.19	+ 7 58.6	1.552	2.374	17.2	21.4
421542	2014 OD_{172}		3 4.2	262.°52	2.°9/ 1.9	18
2 1	11 25.76	+10 47.4	1.470	2.333	14.8	21.7
2 11	11 20.31	+11 37.0	1.396	2.325	10.6	21.4
2 21	11 12.23	+12 35.6	1.345	2.316	6.1	21.1
3 2	11 2.38	+13 34.7	1.321	2.308	2.9	20.9
3 12	10 52.09	+14 25.3	1.323	2.299	6.2	21.1
3 22	10 42.73	+15 0.1	1.352	2.290	10.9	21.3
4 1	10 35.50	+15 14.9	1.403	2.281	15.3	21.6
4 11	10 31.17	+15 9.0	1.474	2.273	19.0	21.8

166680 2002 TN_{110} 3 4.2 79.°14 8.°3/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.79	+32 38.4	2.199	3.038	11.5	20.0
2 11	11 21.53	+33 47.6	2.177	3.066	9.5	19.9
2 21	11 12.42	+34 42.7	2.181	3.093	8.4	19.9
3 2	11 2.35	+35 16.6	2.211	3.120	8.6	20.0
3 12	10 52.44	+35 25.3	2.268	3.147	10.0	20.1
3 22	10 43.66	+35 8.9	2.349	3.173	11.8	20.3
4 1	10 36.78	+34 29.7	2.452	3.199	13.6	20.5
4 11	10 32.22	+33 31.9	2.574	3.224	15.2	20.6

182350 2001 QY_{43} 3 4.2 101.°98 0.°3/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.02	+ 3 53.7	2.017	2.851	12.5	20.4
2 11	11 18.17	+ 4 48.2	1.963	2.876	9.0	20.3
2 21	11 10.60	+ 5 53.7	1.934	2.901	5.0	20.1
3 2	11 2.05	+ 7 4.5	1.935	2.925	0.8	19.8
3 12	10 53.45	+ 8 13.6	1.965	2.948	3.4	20.0
3 22	10 45.70	+ 9 15.0	2.025	2.971	7.3	20.3
4 1	10 39.52	+10 4.2	2.111	2.993	10.7	20.6
4 11	10 35.39	+10 38.7	2.220	3.015	13.6	20.8

435910 2009 BU_{52} 3 4.2 47.°99 2.°6/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.84	+11 19.2	2.150	3.007	11.0	20.8
2 11	11 15.28	+12 22.8	2.083	3.009	7.8	20.6
2 21	11 9.05	+13 32.0	2.041	3.011	4.4	20.4
3 2	11 1.78	+14 40.6	2.028	3.012	2.6	20.3
3 12	10 54.33	+15 41.8	2.044	3.014	4.9	20.5
3 22	10 47.51	+16 30.4	2.088	3.016	8.3	20.7
4 1	10 42.07	+17 3.1	2.157	3.018	11.4	20.9
4 11	10 38.53	+17 18.8	2.248	3.020	14.1	21.1

101561 1999 AA_{14} 3 4.2 186.°50 0.°4/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.03	+ 5 18.8	2.180	3.021	11.5	20.4
2 11	11 16.11	+ 5 52.7	2.104	3.021	8.3	20.2
2 21	11 9.52	+ 6 36.1	2.053	3.020	4.6	20.0
3 2	11 1.88	+ 7 24.6	2.030	3.020	0.8	19.7
3 12	10 54.02	+ 8 12.8	2.037	3.020	3.3	19.9
3 22	10 46.78	+ 8 55.6	2.072	3.020	7.1	20.1
4 1	10 40.90	+ 9 28.7	2.134	3.020	10.5	20.3
4 11	10 36.90	+ 9 49.7	2.219	3.019	13.4	20.5

64453 2001 VE_{31} 3 4.2 135.°67 1.°5/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.41	+ 8 11.5	1.934	2.783	12.4	19.4
2 11	11 17.96	+ 8 56.7	1.867	2.789	8.8	19.2
2 21	11 10.60	+ 9 50.1	1.825	2.795	4.9	19.0
3 2	11 2.08	+10 45.8	1.811	2.800	1.5	18.7
3 12	10 53.36	+11 37.2	1.826	2.805	4.3	18.9
3 22	10 45.41	+12 18.7	1.870	2.810	8.2	19.2
4 1	10 39.08	+12 46.5	1.938	2.815	11.8	19.4
4 11	10 34.90	+12 58.9	2.029	2.820	14.8	19.6

112279 2002 LN_{26} 3 4.2 251.°93 0.°4/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.95	+ 4 37.1	1.893	2.733	13.0	20.5
2 11	11 18.63	+ 5 22.3	1.798	2.715	9.5	20.3
2 21	11 11.17	+ 6 21.0	1.728	2.696	5.4	20.0
3 2	11 2.21	+ 7 28.0	1.686	2.676	0.9	19.6
3 12	10 52.75	+ 8 36.2	1.673	2.656	3.9	19.8
3 22	10 43.85	+ 9 38.3	1.688	2.635	8.4	20.0
4 1	10 36.52	+10 28.4	1.729	2.614	12.6	20.2
4 11	10 31.48	+11 2.6	1.792	2.592	16.1	20.4

31638 1999 GL_{32} 3 4.2 166.°26 5.°7/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.03	+24 13.3	2.351	3.199	10.5	18.6
2 11	11 21.03	+25 7.9	2.294	3.204	8.1	18.5
2 21	11 12.23	+25 56.5	2.263	3.209	6.1	18.4
3 2	11 2.36	+26 32.7	2.261	3.213	5.9	18.4
3 12	10 52.39	+26 51.3	2.288	3.216	7.5	18.5
3 22	10 43.24	+26 50.3	2.343	3.219	9.9	18.6
4 1	10 35.70	+26 29.8	2.422	3.221	12.3	18.8
4 11	10 30.27	+25 52.1	2.522	3.222	14.4	19.0

429343 2010 FM_{25} 3 4.2 215.°06 1.°0/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.15	+ 0 22.2	2.430	3.251	11.1	21.7
2 11	11 15.38	+ 0 54.8	2.343	3.246	8.2	21.5
2 21	11 9.08	+ 1 39.8	2.281	3.241	5.0	21.3
3 2	11 1.81	+ 2 33.9	2.248	3.236	1.6	21.0
3 12	10 54.29	+ 3 32.3	2.244	3.230	2.7	21.1
3 22	10 47.27	+ 4 29.8	2.271	3.224	6.1	21.3
4 1	10 41.43	+ 5 21.5	2.325	3.218	9.4	21.5
4 11	10 37.29	+ 6 3.7	2.403	3.212	12.2	21.7

44647 1999 RA_{129} 3 4.2 155.°58 0.°4/ 4.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.93	+ 2 27.5	2.253	3.081	11.6	19.8
2 11	11 16.69	+ 3 3.9	2.177	3.087	8.5	19.6
2 21	11 9.81	+ 3 51.8	2.128	3.092	4.9	19.4
3 2	11 1.94	+ 4 47.0	2.107	3.097	1.1	19.1
3 12	10 53.87	+ 5 44.2	2.116	3.101	2.9	19.3
3 22	10 46.42	+ 6 37.9	2.155	3.105	6.6	19.5
4 1	10 40.31	+ 7 23.4	2.220	3.109	10.0	19.7
4 11	10 36.05	+ 7 57.6	2.309	3.112	12.8	19.9

425110 2009 SW_{141} 3 4.2 187.°94 2.°4/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.41	+12 47.1	2.319	3.164	10.7	22.1
2 11	11 19.89	+13 19.9	2.244	3.163	7.7	21.9
2 21	11 11.63	+13 55.7	2.195	3.162	4.4	21.7
3 2	11 2.27	+14 29.3	2.176	3.161	2.4	21.6
3 12	10 52.71	+14 55.8	2.187	3.158	4.6	21.7
3 22	10 43.83	+15 11.5	2.227	3.155	7.9	21.9
4 1	10 36.39	+15 14.4	2.295	3.152	11.0	22.1
4 11	10 30.93	+15 4.0	2.384	3.147	13.6	22.3

505909 2015 EZ_9 3 4.2 3.°20 6.°7/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.58	+26 53.2	2.105	2.952	11.6	20.3
2 11	11 22.32	+27 27.3	2.045	2.952	9.1	20.1
2 21	11 13.00	+27 52.2	2.012	2.952	7.2	20.0
3 2	11 2.51	+28 1.2	2.006	2.953	6.9	20.0
3 12	10 51.95	+27 49.7	2.028	2.953	8.5	20.1
3 22	10 42.38	+27 16.4	2.076	2.953	11.0	20.2
4 1	10 34.69	+26 23.1	2.149	2.954	13.5	20.4
4 11	10 29.38	+25 13.1	2.242	2.954	15.7	20.6

272914 2006 BD_{166} 3 4.2 9.°23 0.°2/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.72	+ 4 4.0	1.590	2.441	14.5	20.6
2 11	11 17.10	+ 4 23.7	1.521	2.442	10.6	20.3
2 21	11 10.27	+ 4 56.6	1.476	2.444	6.1	20.1
3 2	11 2.04	+ 5 37.8	1.456	2.446	1.2	19.7
3 12	10 53.55	+ 6 20.7	1.463	2.449	3.8	19.9
3 22	10 45.93	+ 6 58.7	1.497	2.453	8.5	20.2
4 1	10 40.15	+ 7 26.5	1.556	2.457	12.7	20.5
4 11	10 36.83	+ 7 40.7	1.635	2.461	16.2	20.7

188130 2002 CB_{113} 3 4.2 178.°27 1.°1/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.08	+ 1 50.6	2.268	3.089	11.8	20.5
2 11	11 18.97	+ 1 56.1	2.187	3.090	8.8	20.3
2 21	11 11.13	+ 2 12.2	2.131	3.091	5.2	20.1
3 2	11 2.19	+ 2 36.1	2.104	3.092	1.7	19.9
3 12	10 53.03	+ 3 3.8	2.107	3.092	2.9	20.0
3 22	10 44.48	+ 3 31.0	2.140	3.092	6.5	20.2
4 1	10 37.33	+ 3 53.8	2.200	3.091	9.9	20.4
4 11	10 32.12	+ 4 9.1	2.284	3.090	12.9	20.6

460074 2014 OR_{295} 3 4.2 150.°41 0.°4/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.11	+ 7 3.4	1.944	2.778	12.9	21.3
2 11	11 22.75	+ 7 7.1	1.873	2.786	9.4	21.1
2 21	11 13.30	+ 7 18.1	1.827	2.794	5.3	20.9
3 2	11 2.58	+ 7 32.2	1.810	2.801	0.9	20.6
3 12	10 51.68	+ 7 45.1	1.824	2.807	3.6	20.8
3 22	10 41.67	+ 7 52.7	1.867	2.813	7.8	21.1
4 1	10 33.46	+ 7 52.2	1.937	2.818	11.6	21.3
4 11	10 27.62	+ 7 42.0	2.029	2.823	14.7	21.5

281186 2007 EP_{166} 3 4.2 278.°54 3.°2/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.62	+11 37.9	2.026	2.883	11.6	20.5
2 11	11 16.93	+12 58.0	1.929	2.855	8.3	20.3
2 21	11 10.21	+14 27.2	1.858	2.827	4.9	20.0
3 2	11 2.06	+15 58.2	1.816	2.799	3.2	19.8
3 12	10 53.39	+17 22.4	1.803	2.770	5.9	20.0
3 22	10 45.19	+18 32.3	1.818	2.741	9.7	20.1
4 1	10 38.41	+19 22.8	1.858	2.711	13.3	20.3
4 11	10 33.77	+19 52.0	1.919	2.681	16.5	20.4

121236 Adrianagutierrez 3 4.2 198.°79 16.°2/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 43.66	+41 47.2	1.292	2.119	18.6	18.9
2 11	11 34.11	+43 30.0	1.255	2.118	16.9	18.8
2 21	11 20.24	+44 42.5	1.238	2.116	16.2	18.8
3 2	11 3.83	+45 8.6	1.242	2.113	16.8	18.8
3 12	10 47.48	+44 40.4	1.267	2.111	18.5	18.9
3 22	10 33.59	+43 20.9	1.311	2.107	20.8	19.0
4 1	10 23.76	+41 20.2	1.371	2.103	23.1	19.2
4 11	10 18.48	+38 51.2	1.445	2.099	25.2	19.4

400384 2007 YX_{45} 3 4.2 110.°78 0.°8/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.72	+ 5 36.9	1.938	2.777	12.8	21.7
2 11	11 19.47	+ 6 27.8	1.884	2.800	9.1	21.5
2 21	11 11.37	+ 7 28.6	1.855	2.823	5.0	21.3
3 2	11 2.22	+ 8 33.3	1.855	2.845	1.0	21.1
3 12	10 53.02	+ 9 34.8	1.885	2.866	3.8	21.3
3 22	10 44.73	+10 27.3	1.943	2.887	7.7	21.6
4 1	10 38.11	+11 6.8	2.028	2.907	11.3	21.8
4 11	10 33.67	+11 31.3	2.135	2.926	14.2	22.1

45785 2000 OT_{19} 3 4.2 217.°46 0.°6/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.14	+ 1 38.5	1.744	2.579	14.2	19.4
2 11	11 18.81	+ 2 20.3	1.661	2.573	10.5	19.1
2 21	11 11.27	+ 3 18.7	1.601	2.566	6.1	18.8
3 2	11 2.25	+ 4 28.7	1.569	2.559	1.4	18.5
3 12	10 52.82	+ 5 42.7	1.565	2.551	3.6	18.7
3 22	10 44.11	+ 6 52.9	1.590	2.542	8.3	18.9
4 1	10 37.13	+ 7 52.2	1.640	2.533	12.6	19.1
4 11	10 32.58	+ 8 36.1	1.711	2.524	16.2	19.4

506414 1996 VG_{26} 3 4.2 166.°00 5.°1/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.36	+24 58.7	2.967	3.815	8.5	22.6
2 11	11 16.74	+26 7.0	2.912	3.821	6.6	22.4
2 21	11 9.75	+27 10.6	2.885	3.825	5.3	22.3
3 2	11 1.94	+28 3.8	2.888	3.829	5.3	22.4
3 12	10 54.01	+28 42.3	2.919	3.833	6.7	22.4
3 22	10 46.64	+29 3.8	2.979	3.836	8.6	22.6
4 1	10 40.42	+29 7.6	3.062	3.839	10.5	22.7
4 11	10 35.80	+28 55.1	3.166	3.841	12.2	22.9

15189 3071 $T\text{-}2$ 3 4.2 241.°05 2.°9/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.56	+11 54.4	1.808	2.666	12.7	18.8
2 11	11 19.03	+12 42.7	1.733	2.659	9.1	18.5
2 21	11 11.35	+13 37.0	1.683	2.653	5.3	18.3
3 2	11 2.26	+14 30.4	1.660	2.646	2.9	18.1
3 12	10 52.85	+15 15.3	1.666	2.639	5.6	18.3
3 22	10 44.21	+15 46.3	1.699	2.632	9.5	18.5
4 1	10 37.32	+16 0.2	1.757	2.624	13.3	18.7
4 11	10 32.81	+15 56.1	1.835	2.617	16.4	18.9

452626 2005 SA_{168} 3 4.2 165.°73 2.°3/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.45	− 1 26.8	1.812	2.627	14.6	22.1
2 11	11 21.75	− 1 18.5	1.736	2.633	11.0	21.9
2 21	11 12.84	− 0 53.9	1.683	2.639	6.9	21.7
3 2	11 2.53	− 0 15.9	1.658	2.643	3.0	21.4
3 12	10 51.92	+ 0 30.3	1.662	2.647	3.6	21.5
3 22	10 42.15	+ 1 18.3	1.695	2.650	7.7	21.7
4 1	10 34.20	+ 2 1.9	1.755	2.652	11.7	22.0
4 11	10 28.71	+ 2 36.2	1.837	2.653	15.1	22.2

499092 2009 FV_{42} 3 4.2 342.°15 7.°4/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 34.13	+28 26.2	1.961	2.804	12.5	20.4
2 11	11 25.74	+28 42.9	1.895	2.798	9.9	20.3
2 21	11 15.00	+28 47.5	1.855	2.793	7.9	20.1
3 2	11 2.90	+28 32.9	1.842	2.788	7.5	20.1
3 12	10 50.74	+27 55.0	1.857	2.783	9.1	20.2
3 22	10 39.76	+26 53.6	1.899	2.779	11.7	20.3
4 1	10 30.95	+25 31.6	1.966	2.775	14.4	20.5
4 11	10 24.87	+23 54.1	2.054	2.772	16.8	20.7

56750 2000 OT_4 3 4.2 302.°23 6.°6/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.73	− 9 28.8	1.694	2.484	16.5	18.5
2 11	11 19.52	−10 19.9	1.597	2.466	13.5	18.3
2 21	11 11.85	−10 50.6	1.522	2.449	10.2	18.0
3 2	11 2.39	−10 58.9	1.471	2.432	7.4	17.8
3 12	10 52.26	−10 45.7	1.446	2.415	6.8	17.7
3 22	10 42.70	−10 15.2	1.448	2.398	9.3	17.8
4 1	10 34.89	− 9 34.3	1.474	2.381	12.8	18.0
4 11	10 29.70	− 8 51.1	1.522	2.365	16.4	18.2

255918 2006 SX_{361} 3 4.2 32.°10 3.°7/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.31	+12 17.1	1.260	2.136	15.8	20.4
2 11	11 18.52	+13 10.4	1.215	2.150	11.2	20.2
2 21	11 11.12	+14 9.5	1.192	2.164	6.5	20.0
3 2	11 2.20	+15 4.8	1.194	2.179	3.7	19.8
3 12	10 53.22	+15 46.9	1.221	2.196	6.8	20.1
3 22	10 45.54	+16 9.8	1.273	2.213	11.4	20.3
4 1	10 40.19	+16 11.1	1.347	2.230	15.5	20.6
4 11	10 37.73	+15 51.7	1.439	2.249	18.9	20.9

523777 2014 YF_{50} 3 4.2 359.°07 0.°5/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 3.02	+26 13.9	34.892	35.741	0.8	21.0
2 11	11 2.22	+26 20.9	34.834	35.740	0.6	21.0
2 21	11 1.35	+26 27.3	34.804	35.740	0.5	21.0
3 2	11 0.43	+26 33.0	34.803	35.739	0.5	21.0
3 12	10 59.50	+26 37.6	34.830	35.738	0.7	21.0
3 22	10 58.60	+26 41.1	34.886	35.737	0.8	21.0
4 1	10 57.76	+26 43.2	34.967	35.736	1.0	21.0
4 11	10 57.02	+26 43.9	35.071	35.735	1.2	21.1

247799 2003 SR_{69} 3 4.2 236.°14 1.°7/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.56	− 2 12.2	2.367	3.178	11.7	21.2
2 11	11 15.78	− 1 37.9	2.271	3.167	8.8	21.0
2 21	11 9.38	− 0 48.4	2.199	3.154	5.6	20.8
3 2	11 1.91	+ 0 13.3	2.156	3.142	2.3	20.5
3 12	10 54.12	+ 1 22.2	2.143	3.128	2.8	20.5
3 22	10 46.79	+ 2 32.6	2.160	3.115	6.3	20.7
4 1	10 40.66	+ 3 38.5	2.204	3.101	9.7	20.9
4 11	10 36.29	+ 4 35.3	2.272	3.086	12.7	21.1

166228 2002 FY_{12} 3 4.2 293.°02 3.°7/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.06	+12 39.6	1.457	2.324	14.6	19.8
2 11	11 19.90	+13 30.5	1.381	2.312	10.5	19.5
2 21	11 12.07	+14 28.5	1.328	2.299	6.2	19.2
3 2	11 2.42	+15 24.9	1.302	2.286	3.7	19.0
3 12	10 52.29	+16 10.3	1.301	2.274	6.8	19.2
3 22	10 43.06	+16 37.8	1.327	2.262	11.4	19.4
4 1	10 35.97	+16 43.8	1.374	2.249	15.8	19.6
4 11	10 31.79	+16 28.0	1.441	2.238	19.5	19.8

385319 2001 YM_{149} 3 4.2 141.°53 6.°6/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.61	−19 37.2	2.893	3.587	12.5	21.5
2 11	11 17.01	−20 12.3	2.807	3.596	10.7	21.4
2 21	11 9.97	−20 28.7	2.744	3.604	8.9	21.3
3 2	11 2.01	−20 25.1	2.706	3.613	7.3	21.2
3 12	10 53.83	−20 2.8	2.695	3.620	6.6	21.1
3 22	10 46.11	−19 24.5	2.712	3.628	7.2	21.2
4 1	10 39.50	−18 35.1	2.757	3.635	8.6	21.3
4 11	10 34.48	−17 40.0	2.826	3.642	10.4	21.4

468510 2005 QM_{51} 3 4.2 243.°29 1.°7/ 1.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.78	+ 8 29.1	2.780	3.623	9.2	21.8
2 11	11 14.33	+ 9 50.4	2.688	3.608	6.5	21.6
2 21	11 8.49	+11 19.9	2.624	3.593	3.6	21.4
3 2	11 1.75	+12 52.2	2.590	3.577	1.7	21.2
3 12	10 54.73	+14 21.2	2.589	3.561	3.8	21.4
3 22	10 48.08	+15 41.4	2.617	3.545	6.9	21.5
4 1	10 42.44	+16 48.4	2.674	3.528	9.7	21.7
4 11	10 38.28	+17 40.0	2.754	3.511	12.1	21.9

401146 2011 VD_9 3 4.2 148.°19 9.°3/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.21	−26 36.0	2.268	2.922	16.4	21.7
2 11	11 19.23	−26 49.3	2.185	2.936	14.5	21.6
2 21	11 11.35	−26 33.3	2.121	2.948	12.4	21.4
3 2	11 2.27	−25 45.9	2.079	2.959	10.5	21.3
3 12	10 52.95	−24 28.7	2.063	2.970	9.4	21.3
3 22	10 44.34	−22 47.3	2.073	2.979	9.5	21.3
4 1	10 37.31	−20 50.2	2.110	2.988	10.9	21.4
4 11	10 32.42	−18 47.4	2.172	2.996	12.8	21.5

347900 2002 VR_3 3 4.2 136.°20 2.°0/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.93	− 1 41.3	1.802	2.617	14.7	22.2
2 11	11 21.27	− 1 16.8	1.735	2.633	11.0	22.0
2 21	11 12.51	− 0 35.2	1.693	2.649	6.8	21.8
3 2	11 2.48	+ 0 19.8	1.678	2.664	2.7	21.5
3 12	10 52.28	+ 1 21.5	1.693	2.678	3.5	21.6
3 22	10 43.00	+ 2 23.0	1.736	2.691	7.6	21.9
4 1	10 35.57	+ 3 17.9	1.807	2.703	11.5	22.1
4 11	10 30.54	+ 4 1.3	1.900	2.714	14.8	22.4

431258 2006 UF_{23} 3 4.2 236.°36 3.°0/ 1.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.30	+15 11.5	2.459	3.310	10.0	21.0
2 11	11 17.63	+15 44.7	2.382	3.305	7.2	20.8
2 21	11 10.36	+16 19.0	2.333	3.299	4.4	20.6
3 2	11 2.09	+16 49.5	2.312	3.293	3.0	20.5
3 12	10 53.62	+17 11.7	2.321	3.286	4.9	20.6
3 22	10 45.74	+17 22.2	2.359	3.280	7.8	20.8
4 1	10 39.16	+17 19.5	2.423	3.274	10.7	21.0
4 11	10 34.40	+17 3.2	2.509	3.267	13.1	21.1

427801 2005 GP_{88} 3 4.2 358.°24 0.°4/ 3.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.40	+ 5 39.6	1.598	2.455	14.1	20.8
2 11	11 16.18	+ 6 2.7	1.527	2.452	10.2	20.5
2 21	11 9.78	+ 6 37.6	1.480	2.450	5.8	20.3
3 2	11 2.00	+ 7 19.0	1.458	2.449	1.0	19.9
3 12	10 53.93	+ 8 0.2	1.464	2.448	4.0	20.1
3 22	10 46.69	+ 8 34.8	1.495	2.449	8.7	20.4
4 1	10 41.24	+ 8 57.8	1.551	2.450	12.8	20.7
4 11	10 38.20	+ 9 6.3	1.627	2.452	16.4	20.9

167551 2004 BF_9 3 4.2 73.°99 2.°9/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.24	+13 55.9	2.062	2.917	11.5	20.2
2 11	11 18.42	+14 30.1	2.003	2.927	8.2	20.0
2 21	11 10.82	+15 6.2	1.970	2.938	4.8	19.8
3 2	11 2.17	+15 38.7	1.965	2.948	2.9	19.7
3 12	10 53.43	+16 2.3	1.989	2.958	5.1	19.9
3 22	10 45.50	+16 13.3	2.041	2.969	8.5	20.1
4 1	10 39.15	+16 10.2	2.118	2.979	11.6	20.3
4 11	10 34.88	+15 52.9	2.217	2.990	14.2	20.5

276167 2002 ON_5 3 4.2 177.°77 2.°5/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.35	− 4 53.5	2.753	3.543	10.8	21.3
2 11	11 16.08	− 4 40.2	2.666	3.545	8.3	21.2
2 21	11 9.44	− 4 13.6	2.603	3.547	5.6	21.0
3 2	11 1.93	− 3 35.4	2.570	3.547	3.1	20.8
3 12	10 54.23	− 2 49.1	2.567	3.548	3.0	20.8
3 22	10 46.99	− 1 58.9	2.594	3.548	5.4	21.0
4 1	10 40.83	− 1 9.3	2.649	3.547	8.2	21.1
4 11	10 36.21	− 0 24.4	2.730	3.546	10.7	21.3

308700 2006 FE_{27} 3 4.2 243.°21 2.°7/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.65	+11 15.9	1.702	2.558	13.5	20.8
2 11	11 20.74	+11 59.6	1.622	2.547	9.7	20.5
2 21	11 12.43	+12 50.3	1.565	2.535	5.6	20.2
3 2	11 2.51	+13 40.9	1.537	2.523	2.7	20.0
3 12	10 52.15	+14 23.8	1.536	2.511	5.6	20.2
3 22	10 42.59	+14 52.9	1.563	2.498	10.0	20.4
4 1	10 34.91	+15 4.5	1.614	2.485	14.0	20.6
4 11	10 29.84	+14 57.9	1.685	2.472	17.5	20.8

409412 2005 GL_{163} 3 4.2 4.°52 0.°1/ 4.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.56	+ 3 24.9	1.304	2.164	16.5	21.2
2 11	11 17.40	+ 3 56.2	1.238	2.163	12.1	21.0
2 21	11 10.64	+ 4 45.0	1.194	2.164	6.9	20.7
3 2	11 2.19	+ 5 45.0	1.174	2.164	1.3	20.3
3 12	10 53.39	+ 6 47.2	1.180	2.166	4.4	20.5
3 22	10 45.62	+ 7 42.5	1.211	2.168	9.8	20.8
4 1	10 40.01	+ 8 23.9	1.264	2.171	14.5	21.1
4 11	10 37.28	+ 8 47.1	1.337	2.175	18.6	21.4

55948 1998 HY_{45} 3 4.2 168.°58 3.°7/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.19	+17 34.8	2.395	3.250	10.1	19.4
2 11	11 17.56	+18 15.0	2.328	3.250	7.3	19.2
2 21	11 10.32	+18 54.6	2.288	3.251	4.7	19.1
3 2	11 2.10	+19 28.1	2.277	3.251	3.8	19.0
3 12	10 53.74	+19 50.9	2.295	3.252	5.6	19.1
3 22	10 46.03	+19 59.8	2.341	3.252	8.4	19.3
4 1	10 39.69	+19 53.5	2.412	3.252	11.1	19.5
4 11	10 35.21	+19 32.7	2.505	3.253	13.4	19.6

222471 2001 SF_{14} 3 4.2 174.°54 0.°8/ 3.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.44	+ 6 56.5	2.397	3.232	10.8	22.0
2 11	11 18.44	+ 7 34.0	2.320	3.235	7.7	21.8
2 21	11 10.82	+ 8 18.9	2.270	3.238	4.3	21.6
3 2	11 2.20	+ 9 7.0	2.250	3.240	1.0	21.4
3 12	10 53.38	+ 9 52.9	2.260	3.241	3.4	21.6
3 22	10 45.17	+10 32.2	2.301	3.242	6.9	21.8
4 1	10 38.28	+11 1.4	2.368	3.242	10.1	22.0
4 11	10 33.22	+11 18.6	2.459	3.241	12.8	22.2

455442 2003 SY_{136} 3 4.2 95.°58 1.°6/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.61	+ 0 15.6	1.708	2.533	14.9	22.4
2 11	11 21.03	+ 0 31.1	1.653	2.558	11.0	22.2
2 21	11 12.36	+ 1 1.9	1.621	2.582	6.6	22.0
3 2	11 2.48	+ 1 43.9	1.617	2.605	2.3	21.8
3 12	10 52.56	+ 2 30.7	1.642	2.628	3.5	21.9
3 22	10 43.68	+ 3 16.0	1.695	2.650	7.7	22.2
4 1	10 36.72	+ 3 54.3	1.774	2.672	11.6	22.5
4 11	10 32.21	+ 4 21.6	1.875	2.693	14.8	22.7

426808 2013 TK_{138} 3 4.2 153.°06 0.°2/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.72	+ 2 52.3	2.185	3.017	11.8	21.9
2 11	11 16.62	+ 3 32.8	2.111	3.022	8.6	21.7
2 21	11 9.86	+ 4 25.1	2.061	3.027	4.9	21.5
3 2	11 2.06	+ 5 24.6	2.041	3.031	1.0	21.2
3 12	10 54.06	+ 6 25.5	2.050	3.035	3.0	21.4
3 22	10 46.70	+ 7 22.1	2.089	3.039	6.8	21.6
4 1	10 40.70	+ 8 9.7	2.154	3.042	10.3	21.8
4 11	10 36.58	+ 8 44.9	2.242	3.045	13.2	22.0

248807 2006 SC_{148} 3 4.2 244.°00 0.°5/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.43	+ 6 21.2	2.436	3.274	10.5	21.2
2 11	11 16.34	+ 6 47.9	2.350	3.266	7.6	21.0
2 21	11 9.69	+ 7 22.3	2.290	3.258	4.3	20.7
3 2	11 2.04	+ 8 0.7	2.259	3.250	0.8	20.5
3 12	10 54.13	+ 8 38.4	2.258	3.241	3.1	20.6
3 22	10 46.74	+ 9 11.2	2.287	3.233	6.6	20.8
4 1	10 40.56	+ 9 35.5	2.342	3.224	9.8	21.0
4 11	10 36.11	+ 9 49.1	2.421	3.215	12.6	21.2

406351 2007 RL_{140} 3 4.2 171.°76 0.°5/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.34	+ 2 6.5	2.061	2.887	12.7	23.0
2 11	11 19.33	+ 2 44.0	1.984	2.891	9.3	22.8
2 21	11 11.44	+ 3 34.5	1.931	2.895	5.4	22.6
3 2	11 2.36	+ 4 33.6	1.908	2.898	1.3	22.3
3 12	10 53.03	+ 5 35.1	1.915	2.900	3.2	22.4
3 22	10 44.40	+ 6 32.9	1.951	2.901	7.2	22.7
4 1	10 37.31	+ 7 21.6	2.014	2.902	10.9	22.9
4 11	10 32.31	+ 7 57.8	2.100	2.901	14.0	23.1

368590 2004 RN_{43} 3 4.2 114.°04 1.°3/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.90	− 1 6.1	2.208	3.025	12.2	21.3
2 11	11 16.66	− 0 22.3	2.142	3.043	9.1	21.1
2 21	11 9.83	+ 0 35.8	2.101	3.060	5.5	20.9
3 2	11 2.05	+ 1 44.1	2.089	3.077	1.9	20.7
3 12	10 54.16	+ 2 56.5	2.107	3.093	2.8	20.8
3 22	10 46.96	+ 4 6.9	2.155	3.109	6.4	21.0
4 1	10 41.12	+ 5 9.8	2.230	3.124	9.7	21.2
4 11	10 37.14	+ 6 1.2	2.328	3.139	12.5	21.5

117274 2004 TR_{110} 3 4.2 144.°82 1.°7/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.22	− 1 43.1	2.325	3.136	11.9	20.5
2 11	11 16.88	− 1 18.3	2.249	3.144	8.9	20.4
2 21	11 9.97	− 0 39.9	2.198	3.153	5.6	20.2
3 2	11 2.09	+ 0 9.3	2.176	3.161	2.3	19.9
3 12	10 54.03	+ 1 4.4	2.183	3.168	2.8	20.0
3 22	10 46.58	+ 2 0.0	2.221	3.175	6.1	20.2
4 1	10 40.43	+ 2 51.2	2.285	3.182	9.4	20.4
4 11	10 36.08	+ 3 34.0	2.374	3.188	12.2	20.6

109180 2001 QD_{67} 3 4.2 145.°67 1.°2/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.15	+ 8 35.4	2.718	3.558	9.5	19.9
2 11	11 15.91	+ 9 16.4	2.648	3.566	6.7	19.7
2 21	11 9.34	+10 2.7	2.606	3.575	3.7	19.5
3 2	11 1.97	+10 50.4	2.594	3.583	1.2	19.3
3 12	10 54.47	+11 34.7	2.613	3.591	3.3	19.5
3 22	10 47.51	+12 12.0	2.661	3.598	6.3	19.7
4 1	10 41.67	+12 39.4	2.736	3.605	9.0	19.9
4 11	10 37.38	+12 55.4	2.836	3.611	11.4	20.1

417457 2006 QX_{34} 3 4.2 184.°72 1.°0/ 3.2 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.40	+ 7 12.4	2.092	2.932	11.9	22.6
2 11	11 19.38	+ 7 52.1	2.015	2.932	8.6	22.3
2 21	11 11.48	+ 8 40.5	1.964	2.932	4.8	22.1
3 2	11 2.38	+ 9 32.2	1.941	2.931	1.2	21.8
3 12	10 53.03	+10 21.4	1.949	2.930	3.8	22.0
3 22	10 44.37	+11 2.5	1.986	2.927	7.7	22.3
4 1	10 37.22	+11 31.9	2.049	2.924	11.3	22.5
4 11	10 32.18	+11 47.3	2.134	2.921	14.3	22.7

155509 1999 RP_{73} 3 4.2 173.°45 2.°2/ 6.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.05	− 2 53.6	2.029	2.844	13.2	20.1
2 11	11 16.31	− 2 27.6	1.948	2.845	10.0	19.9
2 21	11 9.76	− 1 44.7	1.891	2.845	6.4	19.6
3 2	11 2.07	− 0 47.9	1.861	2.846	2.9	19.4
3 12	10 54.12	+ 0 17.2	1.861	2.846	3.2	19.4
3 22	10 46.79	+ 1 24.1	1.889	2.846	6.8	19.7
4 1	10 40.91	+ 2 26.5	1.943	2.846	10.4	19.9
4 11	10 37.02	+ 3 19.1	2.021	2.846	13.6	20.1

294404 2007 VR_{191} 3 4.2 152.°46 2.°7/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.50	− 3 24.4	2.054	2.859	13.5	21.0
2 11	11 19.43	− 3 14.5	1.978	2.868	10.3	20.8
2 21	11 11.49	− 2 48.4	1.926	2.876	6.7	20.6
3 2	11 2.38	− 2 8.6	1.902	2.884	3.3	20.4
3 12	10 53.05	− 1 19.7	1.907	2.890	3.5	20.4
3 22	10 44.43	− 0 27.7	1.941	2.897	6.9	20.7
4 1	10 37.37	+ 0 21.8	2.003	2.902	10.4	20.9
4 11	10 32.41	+ 1 3.8	2.088	2.907	13.5	21.1

96084 2225 T_{-1} 3 4.2 78.°45 4.°4/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.89	+15 5.7	1.379	2.244	15.4	19.0
2 11	11 23.14	+15 48.6	1.330	2.259	11.1	18.8
2 21	11 13.73	+16 33.0	1.305	2.273	6.7	18.6
3 2	11 2.78	+17 9.9	1.306	2.288	4.4	18.5
3 12	10 51.80	+17 31.5	1.334	2.303	7.2	18.7
3 22	10 42.20	+17 33.5	1.387	2.318	11.4	18.9
4 1	10 35.05	+17 15.3	1.463	2.332	15.4	19.2
4 11	10 30.93	+16 38.8	1.558	2.346	18.6	19.5

143058 2002 WT_{8} 3 4.2 66.°41 3.°3/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.64	− 7 38.3	1.578	2.385	16.7	20.0
2 11	11 17.56	− 6 39.7	1.529	2.417	12.8	19.8
2 21	11 10.44	− 5 15.3	1.501	2.449	8.5	19.6
3 2	11 2.17	− 3 31.0	1.500	2.480	4.4	19.4
3 12	10 53.91	− 1 36.5	1.527	2.511	4.0	19.5
3 22	10 46.70	+ 0 17.5	1.582	2.542	7.6	19.8
4 1	10 41.38	+ 2 1.2	1.664	2.573	11.5	20.1
4 11	10 38.43	+ 3 28.0	1.768	2.603	14.8	20.3

457497 2008 UN_{369} 3 4.2 109.°81 0.°9/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.54	+ 0 34.0	1.680	2.509	14.9	22.4
2 11	11 20.35	+ 1 16.8	1.623	2.531	10.9	22.2
2 21	11 12.03	+ 2 16.0	1.589	2.552	6.4	21.9
3 2	11 2.48	+ 3 26.0	1.584	2.573	1.8	21.7
3 12	10 52.83	+ 4 38.7	1.607	2.593	3.5	21.8
3 22	10 44.20	+ 5 46.5	1.659	2.612	8.0	22.1
4 1	10 37.48	+ 6 43.0	1.736	2.631	12.0	22.4
4 11	10 33.21	+ 7 24.5	1.836	2.648	15.3	22.7

412956 2014 QU_{270} 3 4.2 180.°88 3.°5/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.18	+13 38.5	1.793	2.647	13.0	21.5
2 11	11 21.64	+14 28.2	1.724	2.648	9.3	21.3
2 21	11 12.85	+15 21.6	1.681	2.649	5.5	21.1
3 2	11 2.64	+16 11.4	1.666	2.649	3.5	21.0
3 12	10 52.18	+16 50.1	1.680	2.648	6.0	21.1
3 22	10 42.63	+17 12.9	1.721	2.647	9.9	21.3
4 1	10 34.96	+17 17.5	1.787	2.646	13.5	21.6
4 11	10 29.82	+17 4.1	1.874	2.643	16.6	21.8

210994 2001 XV_{8} 3 4.2 126.°43 0.°2/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.59	+ 5 31.7	2.710	3.540	9.8	21.3
2 11	11 16.22	+ 5 58.2	2.641	3.553	7.0	21.2
2 21	11 9.52	+ 6 31.7	2.599	3.565	3.9	21.0
3 2	11 2.03	+ 7 8.7	2.587	3.577	0.7	20.8
3 12	10 54.44	+ 7 45.1	2.605	3.589	2.7	20.9
3 22	10 47.40	+ 8 17.3	2.654	3.600	5.8	21.2
4 1	10 41.50	+ 8 42.4	2.730	3.611	8.6	21.4
4 11	10 37.14	+ 8 58.2	2.831	3.621	11.0	21.5

162750 2000 WY_{42} 3 4.2 124.°07 1.°1/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.14	+ 6 24.6	1.863	2.704	13.1	21.3
2 11	11 19.94	+ 7 18.9	1.804	2.722	9.3	21.1
2 21	11 11.78	+ 8 23.1	1.771	2.740	5.2	20.9
3 2	11 2.46	+ 9 30.7	1.766	2.756	1.2	20.6
3 12	10 53.04	+10 34.3	1.791	2.772	4.1	20.9
3 22	10 44.52	+11 27.8	1.845	2.787	8.2	21.1
4 1	10 37.74	+12 6.9	1.925	2.802	11.8	21.4
4 11	10 33.24	+12 29.7	2.026	2.815	14.9	21.6

26828 1989 WZ_{1} 3 4.2 88.°77 2.°1/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.14	+ 9 2.9	1.544	2.400	14.6	18.1
2 11	11 20.90	+ 9 54.2	1.496	2.421	10.4	17.9
2 21	11 12.39	+10 53.7	1.471	2.442	5.7	17.6
3 2	11 2.57	+11 53.5	1.474	2.463	2.1	17.4
3 12	10 52.73	+12 45.4	1.505	2.483	5.2	17.7
3 22	10 44.04	+13 23.3	1.563	2.503	9.5	18.0
4 1	10 37.45	+13 44.0	1.644	2.523	13.4	18.3
4 11	10 33.48	+13 46.8	1.747	2.542	16.6	18.5

246917 1998 UR_{18} 3 4.2 107.°61 3.°5/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.82	− 6 7.4	1.958	2.755	14.3	20.4
2 11	11 18.94	− 5 55.9	1.893	2.775	11.1	20.2
2 21	11 11.20	− 5 25.3	1.852	2.795	7.5	20.0
3 2	11 2.37	− 4 38.3	1.838	2.814	4.2	19.8
3 12	10 53.41	− 3 39.9	1.852	2.833	4.0	19.9
3 22	10 45.27	− 2 36.7	1.895	2.851	6.9	20.1
4 1	10 38.75	− 1 35.4	1.966	2.869	10.3	20.3
4 11	10 34.37	− 0 41.5	2.059	2.886	13.3	20.5

156742 2002 XJ_{71} 3 4.2 68.°69 3.°8/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.37	− 4 12.9	1.301	2.130	18.4	19.5
2 11	11 20.12	− 4 11.1	1.240	2.142	14.1	19.2
2 21	11 12.19	− 3 44.7	1.200	2.154	9.3	19.0
3 2	11 2.57	− 2 56.7	1.183	2.166	4.8	18.8
3 12	10 52.70	− 1 54.4	1.193	2.178	4.8	18.8
3 22	10 43.99	− 0 47.2	1.228	2.190	9.1	19.1
4 1	10 37.58	+ 0 15.3	1.287	2.202	13.7	19.3
4 11	10 34.15	+ 1 5.9	1.366	2.214	17.7	19.6

41590 2000 SZ_{50} 3 4.2 30.°55 2.°4/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.69	− 2 7.3	1.699	2.526	14.8	19.0
2 11	11 17.04	− 1 51.4	1.626	2.529	11.2	18.8
2 21	11 10.30	− 1 17.1	1.576	2.533	7.1	18.5
3 2	11 2.23	− 0 27.7	1.552	2.537	3.1	18.3
3 12	10 53.88	+ 0 30.6	1.555	2.541	3.6	18.3
3 22	10 46.32	+ 1 30.8	1.585	2.545	7.7	18.6
4 1	10 40.48	+ 2 25.6	1.641	2.549	11.7	18.8
4 11	10 36.96	+ 3 9.7	1.719	2.554	15.2	19.1

135119 2001 QB_{128} 3 4.2 171.°43 3.°0/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.62	− 6 18.1	2.649	3.435	11.3	20.4
2 11	11 15.65	− 6 7.1	2.562	3.438	8.8	20.2
2 21	11 9.28	− 5 41.4	2.501	3.440	6.1	20.0
3 2	11 2.03	− 5 2.7	2.467	3.442	3.6	19.9
3 12	10 54.57	− 4 14.5	2.464	3.443	3.3	19.9
3 22	10 47.60	− 3 21.2	2.490	3.444	5.6	20.0
4 1	10 41.73	− 2 27.6	2.544	3.445	8.4	20.2
4 11	10 37.43	− 1 38.3	2.623	3.445	10.9	20.4

352102 2007 AG_{12} 3 4.2 163.°77 12.°8/22.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 41.31	−44 40.9	2.985	3.410	16.0	25.4
2 11	11 31.26	−46 10.7	2.899	3.422	15.3	25.3
2 21	11 18.50	−47 13.1	2.828	3.433	14.4	25.2
3 2	11 3.79	−47 41.9	2.776	3.442	13.6	25.2
3 12	10 48.35	−47 33.9	2.744	3.449	13.1	25.1
3 22	10 33.55	−46 50.3	2.733	3.455	12.8	25.1
4 1	10 20.63	−45 36.2	2.745	3.459	13.0	25.2
4 11	10 10.47	−44 0.2	2.778	3.461	13.6	25.2

295678 2008 TV_{94} 3 4.2 223.°16 0.°4/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.44	+ 3 41.7	1.830	2.661	13.8	21.2
2 11	11 21.97	+ 4 0.2	1.740	2.650	10.2	21.0
2 21	11 13.17	+ 4 31.2	1.674	2.638	5.9	20.7
3 2	11 2.78	+ 5 10.6	1.636	2.626	1.3	20.3
3 12	10 51.90	+ 5 52.6	1.628	2.612	3.6	20.5
3 22	10 41.70	+ 6 30.9	1.648	2.598	8.3	20.7
4 1	10 33.26	+ 7 0.6	1.694	2.583	12.5	21.0
4 11	10 27.30	+ 7 18.0	1.763	2.567	16.2	21.2

313626 2003 RB_{17} 3 4.2 160.°65 1.°0/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.44	+ 6 55.2	2.115	2.951	12.0	22.2
2 11	11 20.07	+ 7 35.3	2.044	2.959	8.6	22.0
2 21	11 11.85	+ 8 23.9	1.999	2.967	4.8	21.8
3 2	11 2.51	+ 9 15.6	1.983	2.973	1.1	21.5
3 12	10 52.98	+10 4.7	1.998	2.979	3.7	21.7
3 22	10 44.18	+10 45.8	2.042	2.984	7.6	22.0
4 1	10 36.94	+11 15.4	2.113	2.988	11.0	22.2
4 11	10 31.78	+11 31.4	2.206	2.991	13.9	22.4

94308 2001 FD_{15} 3 4.2 64.°67 0.°0/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.97	+ 4 5.8	2.531	3.366	10.3	19.4
2 11	11 14.49	+ 4 38.6	2.457	3.371	7.5	19.2
2 21	11 8.62	+ 5 20.3	2.410	3.376	4.2	19.0
3 2	11 1.91	+ 6 7.2	2.391	3.381	0.8	18.8
3 12	10 55.05	+ 6 54.6	2.402	3.386	2.7	18.9
3 22	10 48.71	+ 7 38.3	2.442	3.391	6.0	19.2
4 1	10 43.50	+ 8 14.5	2.509	3.397	9.0	19.4
4 11	10 39.88	+ 8 40.5	2.600	3.402	11.6	19.5

18775 Donaldeng 3 4.2 218.°13 1.°7/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.20	− 0 0.7	1.713	2.541	14.7	18.7
2 11	11 19.67	+ 0 15.7	1.630	2.537	11.0	18.5
2 21	11 11.87	+ 0 48.9	1.571	2.531	6.8	18.2
3 2	11 2.55	+ 1 35.2	1.538	2.526	2.4	17.9
3 12	10 52.81	+ 2 28.5	1.534	2.520	3.6	18.0
3 22	10 43.83	+ 3 22.0	1.557	2.514	8.1	18.2
4 1	10 36.63	+ 4 8.9	1.606	2.507	12.4	18.5
4 11	10 31.91	+ 4 44.3	1.677	2.500	16.0	18.7

267257 2001 QY_{91} 3 4.2 133.°09 3.°5/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.11	+13 27.9	1.957	2.813	11.9	20.5
2 11	11 18.51	+14 38.0	1.898	2.823	8.5	20.3
2 21	11 11.01	+15 51.9	1.865	2.833	5.1	20.1
3 2	11 2.36	+17 2.1	1.861	2.842	3.5	20.1
3 12	10 53.55	+18 1.1	1.886	2.851	5.9	20.2
3 22	10 45.56	+18 43.7	1.938	2.859	9.3	20.4
4 1	10 39.21	+19 7.5	2.016	2.867	12.5	20.7
4 11	10 35.03	+19 12.4	2.113	2.874	15.2	20.9

221288 2005 UF_{383} 3 4.2 209.°96 0.°7/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.87	+ 4 37.8	2.384	3.217	10.9	21.2
2 11	11 16.75	+ 5 43.1	2.296	3.210	7.9	21.0
2 21	11 10.00	+ 6 59.7	2.235	3.202	4.4	20.8
3 2	11 2.19	+ 8 22.5	2.203	3.193	0.9	20.5
3 12	10 54.09	+ 9 44.9	2.203	3.184	3.4	20.7
3 22	10 46.48	+11 0.7	2.232	3.174	7.0	20.9
4 1	10 40.10	+12 4.9	2.289	3.163	10.3	21.1
4 11	10 35.49	+12 54.1	2.370	3.152	13.2	21.2

426604 2013 SL_{40} 3 4.2 278.°31 9.°0/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.43	−16 59.8	1.949	2.684	16.5	20.8
2 11	11 20.73	−18 9.0	1.843	2.663	14.3	20.6
2 21	11 12.63	−18 56.5	1.758	2.641	11.8	20.4
3 2	11 2.73	−19 18.0	1.696	2.620	9.8	20.2
3 12	10 52.06	−19 12.4	1.660	2.598	9.1	20.1
3 22	10 41.79	−18 42.0	1.650	2.576	10.3	20.1
4 1	10 33.08	−17 53.1	1.665	2.553	12.7	20.2
4 11	10 26.81	−16 54.4	1.702	2.531	15.6	20.3

372102 2008 SR_{119} 3 4.2 144.°50 0.°4/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.80	+ 2 32.5	2.217	3.047	11.7	21.7
2 11	11 16.70	+ 3 4.5	2.143	3.052	8.6	21.5
2 21	11 9.95	+ 3 47.8	2.093	3.057	5.0	21.2
3 2	11 2.18	+ 4 38.6	2.072	3.062	1.2	21.0
3 12	10 54.22	+ 5 31.5	2.081	3.067	2.9	21.1
3 22	10 46.88	+ 6 21.1	2.119	3.071	6.6	21.4
4 1	10 40.88	+ 7 2.8	2.184	3.075	10.0	21.6
4 11	10 36.75	+ 7 33.6	2.272	3.078	12.9	21.8

174612 2003 SM_{39} 3 4.2 134.°95 1.°4/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.96	+ 8 40.4	1.934	2.776	12.7	21.3
2 11	11 21.23	+ 9 14.1	1.871	2.790	9.1	21.1
2 21	11 12.53	+ 9 54.9	1.834	2.803	5.0	20.9
3 2	11 2.65	+10 36.9	1.826	2.815	1.5	20.7
3 12	10 52.65	+11 14.3	1.848	2.827	4.2	20.9
3 22	10 43.54	+11 42.1	1.898	2.839	8.2	21.1
4 1	10 36.18	+11 57.4	1.975	2.849	11.7	21.4
4 11	10 31.10	+11 59.0	2.074	2.859	14.7	21.6

225594 2000 WX_{136} 3 4.2 8.°45 5.°7/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.84	− 6 34.7	1.233	2.067	18.9	18.9
2 11	11 15.57	− 7 4.3	1.170	2.069	15.0	18.7
2 21	11 9.71	− 7 7.4	1.126	2.073	10.6	18.4
3 2	11 2.17	− 6 44.5	1.104	2.079	6.7	18.2
3 12	10 54.28	− 6 0.7	1.106	2.087	6.0	18.2
3 22	10 47.42	− 5 4.6	1.132	2.096	9.4	18.4
4 1	10 42.73	− 4 6.1	1.180	2.107	13.6	18.7
4 11	10 40.91	− 3 14.3	1.248	2.119	17.5	18.9

238893 2005 YE_{94} 3 4.2 63.°31 4.°1/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.14	+12 41.9	1.223	2.095	16.5	20.2
2 11	11 22.04	+13 40.5	1.184	2.116	11.8	20.0
2 21	11 13.18	+14 44.0	1.167	2.137	6.8	19.8
3 2	11 2.76	+15 41.9	1.174	2.159	4.1	19.7
3 12	10 52.40	+16 24.6	1.208	2.181	7.2	19.9
3 22	10 43.53	+16 46.4	1.266	2.203	11.7	20.2
4 1	10 37.25	+16 45.5	1.347	2.224	15.9	20.5
4 11	10 34.06	+16 23.8	1.445	2.246	19.2	20.8

81888 2000 LH_{23} 3 4.2 176.°78 7.°6/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.91	−18 59.6	2.494	3.201	14.0	19.0
2 11	11 18.27	−19 51.6	2.404	3.201	12.0	18.9
2 21	11 10.90	−20 23.3	2.336	3.202	10.0	18.7
3 2	11 2.38	−20 32.8	2.292	3.202	8.3	18.6
3 12	10 53.50	−20 20.4	2.275	3.202	7.6	18.6
3 22	10 45.10	−19 49.0	2.285	3.202	8.3	18.6
4 1	10 37.98	−19 3.8	2.321	3.202	9.9	18.7
4 11	10 32.71	−18 11.2	2.381	3.202	12.0	18.8

231286 2006 BN_{58} 3 4.2 266.°04 3.°6/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.59	+13 25.5	1.946	2.807	11.8	20.3
2 11	11 16.85	+14 36.8	1.874	2.801	8.4	20.1
2 21	11 10.16	+15 53.3	1.827	2.795	5.1	19.9
3 2	11 2.24	+17 7.4	1.809	2.790	3.6	19.8
3 12	10 54.02	+18 11.2	1.819	2.784	6.0	19.9
3 22	10 46.49	+18 58.9	1.856	2.778	9.6	20.1
4 1	10 40.50	+19 27.2	1.918	2.772	12.9	20.3
4 11	10 36.67	+19 35.4	1.999	2.766	15.8	20.5

88173 2000 XH_{29} 3 4.2 135.°02 3.°4/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.67	+16 3.8	2.297	3.146	10.7	19.5
2 11	11 20.07	+16 42.9	2.238	3.158	7.7	19.3
2 21	11 11.78	+17 22.0	2.205	3.170	4.7	19.1
3 2	11 2.51	+17 55.7	2.203	3.181	3.4	19.1
3 12	10 53.16	+18 18.9	2.230	3.192	5.3	19.2
3 22	10 44.59	+18 28.7	2.285	3.202	8.3	19.4
4 1	10 37.54	+18 23.9	2.367	3.212	11.1	19.6
4 11	10 32.47	+18 5.0	2.471	3.221	13.5	19.8

87038 2000 KU_4 3 4.2 115.°36 12.°9/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 33.06	+39 47.4	1.690	2.520	14.8	19.1
2 11	11 25.59	+42 0.8	1.676	2.538	13.4	19.0
2 21	11 15.21	+43 49.4	1.685	2.556	13.0	19.0
3 2	11 3.15	+45 1.6	1.718	2.573	13.7	19.1
3 12	10 51.12	+45 31.8	1.773	2.590	15.2	19.2
3 22	10 40.67	+45 21.3	1.848	2.606	16.9	19.4
4 1	10 32.96	+44 35.7	1.939	2.621	18.6	19.6
4 11	10 28.53	+43 22.8	2.044	2.636	20.1	19.8

423236 2004 SW_{47} 3 4.2 133.°72 1.°2/ 2.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.37	+ 9 3.2	2.517	3.353	10.3	21.8
2 11	11 19.00	+ 9 32.6	2.453	3.369	7.3	21.6
2 21	11 11.14	+10 6.9	2.417	3.385	4.1	21.4
3 2	11 2.40	+10 41.8	2.410	3.399	1.3	21.2
3 12	10 53.59	+11 13.1	2.434	3.413	3.4	21.4
3 22	10 45.44	+11 37.0	2.489	3.426	6.6	21.7
4 1	10 38.61	+11 51.3	2.571	3.439	9.5	21.9
4 11	10 33.55	+11 54.6	2.676	3.451	12.0	22.1

79623 1998 RV_{63} 3 4.2 228.°83 0.°6/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.16	+ 4 12.4	1.762	2.602	13.8	19.6
2 11	11 19.69	+ 5 10.5	1.674	2.590	10.1	19.3
2 21	11 11.94	+ 6 24.2	1.610	2.578	5.7	19.0
3 2	11 2.61	+ 7 47.2	1.574	2.564	1.0	18.7
3 12	10 52.79	+ 9 11.0	1.567	2.550	4.2	18.9
3 22	10 43.62	+10 27.0	1.588	2.534	8.9	19.1
4 1	10 36.17	+11 28.5	1.635	2.519	13.2	19.3
4 11	10 31.18	+12 11.5	1.703	2.502	16.9	19.5

264542 2001 SE_{58} 3 4.2 171.°67 0.°1/ 4.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.48	+ 3 15.6	2.301	3.128	11.4	22.2
2 11	11 17.87	+ 3 53.8	2.223	3.132	8.3	22.0
2 21	11 10.62	+ 4 43.0	2.171	3.135	4.8	21.8
3 2	11 2.34	+ 5 38.7	2.148	3.138	0.9	21.5
3 12	10 53.84	+ 6 35.6	2.155	3.140	3.0	21.7
3 22	10 45.94	+ 7 28.3	2.193	3.141	6.7	21.9
4 1	10 39.38	+ 8 12.5	2.257	3.142	10.0	22.1
4 11	10 34.67	+ 8 45.0	2.345	3.142	12.9	22.3

293757 2007 RS_{88} 3 4.2 141.°96 0.°5/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.34	+ 5 7.4	1.880	2.717	13.2	21.9
2 11	11 20.17	+ 5 46.5	1.813	2.729	9.5	21.7
2 21	11 11.99	+ 6 36.5	1.772	2.739	5.3	21.5
3 2	11 2.59	+ 7 31.9	1.759	2.749	0.9	21.2
3 12	10 53.02	+ 8 26.1	1.776	2.759	3.7	21.4
3 22	10 44.28	+ 9 13.1	1.821	2.768	7.9	21.7
4 1	10 37.27	+ 9 48.3	1.892	2.776	11.7	21.9
4 11	10 32.53	+10 9.2	1.985	2.783	14.8	22.1

436694 2011 SR_{225} 3 4.2 239.°12 6.°0/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.00	−19 43.4	2.880	3.580	12.4	21.9
2 11	11 14.57	−19 33.2	2.771	3.568	10.6	21.7
2 21	11 8.75	−19 1.6	2.683	3.555	8.7	21.6
3 2	11 2.00	−18 8.2	2.621	3.541	6.9	21.5
3 12	10 54.98	−16 55.3	2.586	3.527	6.0	21.4
3 22	10 48.34	−15 27.1	2.580	3.513	6.7	21.4
4 1	10 42.71	−13 49.4	2.603	3.498	8.4	21.5
4 11	10 38.59	−12 9.2	2.652	3.483	10.6	21.6

169172 2001 QA_{232} 3 4.2 81.°49 4.°3/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.64	− 8 53.8	2.292	3.069	13.1	20.0
2 11	11 17.20	− 9 1.7	2.225	3.090	10.4	19.8
2 21	11 10.20	− 8 51.9	2.182	3.110	7.5	19.7
3 2	11 2.26	− 8 25.7	2.166	3.131	5.0	19.6
3 12	10 54.20	− 7 46.6	2.178	3.151	4.4	19.6
3 22	10 46.81	− 6 59.3	2.220	3.171	6.4	19.7
4 1	10 40.79	− 6 9.3	2.288	3.191	9.1	19.9
4 11	10 36.59	− 5 22.1	2.381	3.211	11.7	20.1

205247 2000 QD_{203} 3 4.2 168.°56 1.°7/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.74	+ 8 36.3	1.910	2.755	12.7	21.3
2 11	11 20.50	+ 9 23.3	1.840	2.760	9.1	21.0
2 21	11 12.22	+10 18.4	1.795	2.764	5.1	20.8
3 2	11 2.65	+11 15.5	1.778	2.767	1.7	20.6
3 12	10 52.84	+12 7.6	1.791	2.770	4.5	20.8
3 22	10 43.84	+12 49.0	1.833	2.772	8.5	21.0
4 1	10 36.55	+13 15.9	1.901	2.773	12.2	21.2
4 11	10 31.56	+13 26.8	1.990	2.773	15.3	21.5

503025 2015 FY_{135} 3 4.2 37.°60 1.°0/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 18.99	+ 5 21.1	1.989	2.837	12.1	20.5
2 11	11 14.85	+ 6 28.7	1.920	2.842	8.7	20.3
2 21	11 8.99	+ 7 48.1	1.876	2.846	4.8	20.0
3 2	11 2.05	+ 9 12.7	1.861	2.851	1.1	19.8
3 12	10 54.90	+10 35.1	1.874	2.856	3.9	20.0
3 22	10 48.41	+11 48.2	1.916	2.861	7.8	20.2
4 1	10 43.35	+12 46.8	1.984	2.866	11.3	20.5
4 11	10 40.24	+13 28.0	2.074	2.871	14.3	20.7

344317 2001 UK_{202} 3 4.2 182.°98 2.°7/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.71	− 5 50.5	2.635	3.426	11.2	21.4
2 11	11 15.04	− 5 29.9	2.547	3.426	8.7	21.2
2 21	11 8.99	− 4 54.3	2.484	3.426	5.9	21.0
3 2	11 2.05	− 4 5.8	2.449	3.426	3.3	20.8
3 12	10 54.90	− 3 8.2	2.444	3.425	3.1	20.8
3 22	10 48.22	− 2 6.4	2.469	3.424	5.6	21.0
4 1	10 42.63	− 1 5.3	2.521	3.423	8.4	21.2
4 11	10 38.59	− 0 9.8	2.599	3.422	11.0	21.3

499806 2011 CZ_{90} 3 4.2 184.°78 1.°9/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.57	− 1 55.9	1.964	2.784	13.4	22.2
2 11	11 16.78	− 1 28.6	1.884	2.784	10.1	22.0
2 21	11 10.12	− 0 44.4	1.827	2.784	6.4	21.7
3 2	11 2.27	+ 0 13.2	1.798	2.784	2.6	21.5
3 12	10 54.14	+ 1 18.3	1.798	2.784	3.2	21.5
3 22	10 46.66	+ 2 24.2	1.826	2.783	7.0	21.7
4 1	10 40.66	+ 3 24.6	1.880	2.783	10.8	22.0
4 11	10 36.74	+ 4 14.4	1.957	2.782	14.0	22.2

423618 2005 WN_{137} 3 4.2 175.°17 0.°9/ 3.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.76	+ 6 51.1	2.377	3.213	10.8	22.6
2 11	11 18.05	+ 7 32.1	2.300	3.216	7.8	22.4
2 21	11 10.71	+ 8 20.9	2.250	3.218	4.3	22.2
3 2	11 2.37	+ 9 12.9	2.230	3.219	1.0	21.9
3 12	10 53.83	+10 2.9	2.240	3.221	3.4	22.1
3 22	10 45.88	+10 46.0	2.279	3.221	6.9	22.3
4 1	10 39.24	+11 18.7	2.346	3.221	10.1	22.5
4 11	10 34.42	+11 38.8	2.437	3.220	12.8	22.7

240465 2004 BL_1 3 4.2 328.°92 0.°8/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.19	+ 1 53.7	1.944	2.781	12.8	21.3
2 11	11 15.83	+ 2 19.8	1.862	2.774	9.5	21.1
2 21	11 9.61	+ 2 59.5	1.804	2.768	5.6	20.8
3 2	11 2.18	+ 3 49.0	1.773	2.762	1.5	20.5
3 12	10 54.45	+ 4 42.3	1.770	2.756	3.1	20.7
3 22	10 47.33	+ 5 33.5	1.795	2.751	7.3	20.9
4 1	10 41.67	+ 6 17.0	1.846	2.746	11.1	21.1
4 11	10 38.07	+ 6 48.7	1.920	2.741	14.4	21.3

282532 2004 RM_{224} 3 4.2 116.°17 1.°4/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.30	− 1 13.0	1.735	2.559	14.8	21.3
2 11	11 19.50	− 0 27.7	1.674	2.577	10.9	21.1
2 21	11 11.63	+ 0 35.8	1.636	2.595	6.6	20.8
3 2	11 2.54	+ 1 52.0	1.625	2.613	2.3	20.6
3 12	10 53.31	+ 3 13.2	1.644	2.630	3.4	20.7
3 22	10 45.00	+ 4 31.1	1.691	2.646	7.7	21.0
4 1	10 38.50	+ 5 38.9	1.764	2.661	11.6	21.3
4 11	10 34.36	+ 6 31.8	1.859	2.676	15.0	21.5

450484 2005 YO_{28} 3 4.2 65.°08 0.°2/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.96	+ 4 11.1	1.249	2.105	17.3	21.5
2 11	11 21.17	+ 4 46.8	1.203	2.127	12.5	21.3
2 21	11 12.72	+ 5 38.1	1.179	2.149	7.0	21.0
3 2	11 2.74	+ 6 37.6	1.180	2.171	1.2	20.7
3 12	10 52.73	+ 7 35.6	1.208	2.193	4.5	21.0
3 22	10 44.10	+ 8 23.8	1.261	2.215	9.8	21.4
4 1	10 37.91	+ 8 56.8	1.337	2.237	14.4	21.7
4 11	10 34.70	+ 9 11.8	1.432	2.260	18.1	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
314676	2006 QM_{106}		3 4.2	270.°46	1.°1/ 5.2	17
	h m	° ′			°	m
2 1	11 24.28	+ 1 17.5	1.704	2.539	14.5	21.0
2 11	11 19.20	+ 1 39.2	1.609	2.520	10.8	20.7
2 21	11 11.74	+ 2 17.3	1.537	2.500	6.5	20.4
3 2	11 2.62	+ 3 8.2	1.492	2.481	1.9	20.1
3 12	10 52.92	+ 4 5.5	1.475	2.461	3.6	20.1
3 22	10 43.81	+ 5 2.0	1.485	2.440	8.5	20.4
4 1	10 36.41	+ 5 50.5	1.520	2.420	13.0	20.6
4 11	10 31.53	+ 6 26.0	1.577	2.399	16.9	20.8
148575	2001 QA_{272}		3 4.2	71.°38	5.°7/ 8.7	18
2 1	11 26.24	− 8 38.5	1.712	2.503	16.3	19.8
2 11	11 20.35	− 9 16.2	1.641	2.513	13.1	19.6
2 21	11 12.23	− 9 32.6	1.592	2.523	9.5	19.4
3 2	11 2.68	− 9 27.3	1.569	2.533	6.5	19.3
3 12	10 52.84	− 9 3.4	1.572	2.544	5.9	19.3
3 22	10 43.87	− 8 26.2	1.602	2.554	8.3	19.4
4 1	10 36.75	− 7 42.9	1.658	2.565	11.7	19.7
4 11	10 32.13	− 7 0.8	1.735	2.575	14.9	19.9
171981	2001 TB_{150}		3 4.2	41.°35	4.°9/28.5	18
2 1	11 22.58	+18 35.3	1.913	2.778	11.8	19.5
2 11	11 17.44	+19 34.5	1.864	2.790	8.6	19.4
2 21	11 10.42	+20 32.1	1.841	2.803	5.8	19.2
3 2	11 2.32	+21 20.6	1.845	2.816	5.0	19.2
3 12	10 54.15	+21 53.9	1.877	2.829	7.0	19.3
3 22	10 46.86	+22 8.4	1.935	2.843	10.0	19.6
4 1	10 41.24	+22 3.2	2.016	2.857	12.9	19.8
4 11	10 37.78	+21 39.8	2.118	2.871	15.4	20.0
253036	2002 SP_{17}		3 4.2	217.°48	1.°0/ 5.3	14 C
2 1	11 23.58	+ 0 18.7	2.128	2.949	12.5	23.0
2 11	11 18.19	+ 0 55.1	2.036	2.940	9.3	22.8
2 21	11 10.94	+ 1 46.3	1.970	2.931	5.6	22.6
3 2	11 2.46	+ 2 48.4	1.932	2.920	1.7	22.3
3 12	10 53.61	+ 3 55.7	1.924	2.910	3.0	22.3
3 22	10 45.31	+ 5 1.7	1.945	2.898	7.0	22.6
4 1	10 38.41	+ 6 0.5	1.994	2.886	10.8	22.8
4 11	10 33.53	+ 6 47.7	2.066	2.873	14.0	23.0
337821	2001 VG_{21}		3 4.2	123.°34	3.°2/ 8.6	17
2 1	11 20.37	− 8 20.1	2.845	3.618	10.9	21.2
2 11	11 15.37	− 8 5.4	2.770	3.634	8.6	21.1
2 21	11 9.10	− 7 36.0	2.719	3.649	6.1	21.0
3 2	11 2.09	− 6 53.4	2.696	3.664	3.8	20.8
3 12	10 54.96	− 6 1.2	2.703	3.679	3.4	20.8
3 22	10 48.33	− 5 3.5	2.740	3.693	5.2	21.0
4 1	10 42.75	− 4 5.1	2.806	3.707	7.7	21.1
4 11	10 38.63	− 3 10.4	2.897	3.720	10.0	21.3
338261	2002 TP_{251}		3 4.2	153.°18	4.°3/28.3	17
2 1	11 23.77	+19 25.9	2.451	3.305	9.9	20.8
2 11	11 18.02	+20 19.7	2.390	3.310	7.3	20.6
2 21	11 10.68	+21 11.7	2.357	3.315	5.0	20.5
3 2	11 2.39	+21 56.0	2.352	3.320	4.4	20.5
3 12	10 53.97	+22 27.5	2.377	3.324	6.1	20.6
3 22	10 46.22	+22 43.3	2.430	3.328	8.7	20.7
4 1	10 39.83	+22 42.4	2.507	3.332	11.2	20.9
4 11	10 35.29	+22 25.4	2.606	3.335	13.4	21.1
214711	2006 SS_{393}		3 4.2	251.°97	5.°4/ 9.5	17
2 1	11 22.39	−11 44.7	1.957	2.730	15.2	21.3
2 11	11 17.62	−11 33.8	1.853	2.713	12.4	21.0
2 21	11 10.76	−10 57.9	1.771	2.695	9.3	20.8
3 2	11 2.45	− 9 57.2	1.714	2.677	6.3	20.6
3 12	10 53.61	− 8 35.4	1.685	2.658	5.5	20.5
3 22	10 45.27	− 6 59.6	1.684	2.638	7.8	20.6
4 1	10 38.40	− 5 18.8	1.710	2.619	11.3	20.8
4 11	10 33.75	− 3 42.1	1.759	2.598	14.7	20.9
258153	2001 SB_{25}		3 4.2	98.°24	0.°7/ 5.0	18
2 1	11 24.22	+ 0 52.8	2.010	2.834	13.0	22.2
2 11	11 18.43	+ 1 37.5	1.954	2.860	9.5	22.1
2 21	11 10.92	+ 2 35.7	1.923	2.885	5.5	21.9
3 2	11 2.43	+ 3 42.4	1.921	2.910	1.5	21.6
3 12	10 53.88	+ 4 50.9	1.948	2.934	3.0	21.8
3 22	10 46.16	+ 5 55.0	2.005	2.958	6.9	22.1
4 1	10 40.01	+ 6 49.4	2.089	2.981	10.4	22.3
4 11	10 35.90	+ 7 30.8	2.196	3.003	13.3	22.6
410033	2006 XK_{55}		3 4.2	98.°73	4.°9/28.1	18
2 1	11 23.64	+16 22.7	1.839	2.702	12.2	20.8
2 11	11 18.28	+18 1.2	1.793	2.719	8.8	20.6
2 21	11 10.94	+19 40.6	1.773	2.736	5.8	20.5
3 2	11 2.44	+21 11.5	1.782	2.753	5.1	20.5
3 12	10 53.84	+22 25.4	1.819	2.770	7.4	20.6
3 22	10 46.14	+23 17.1	1.882	2.786	10.5	20.9
4 1	10 40.20	+23 44.8	1.970	2.802	13.5	21.1
4 11	10 36.51	+23 49.9	2.077	2.817	16.0	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
134805	2000 EV_{114}		3 4.2	80.°80	1.°0/ 5.1	18
	h m	° ′			°	m
2 1	11 23.63	+ 0 21.6	1.635	2.470	15.0	20.1
2 11	11 18.37	+ 1 6.0	1.579	2.490	11.0	19.9
2 21	11 11.03	+ 2 7.4	1.546	2.509	6.5	19.6
3 2	11 2.46	+ 3 20.2	1.540	2.529	1.8	19.4
3 12	10 53.78	+ 4 36.0	1.562	2.548	3.5	19.5
3 22	10 46.07	+ 5 46.9	1.611	2.567	8.0	19.8
4 1	10 40.20	+ 6 46.3	1.686	2.586	12.0	20.1
4 11	10 36.71	+ 7 30.1	1.783	2.604	15.3	20.4
266794	2009 SK_{302}		3 4.2	153.°59	1.°2/ 3.0	16
2 1	11 23.25	+ 7 11.1	2.134	2.976	11.6	21.7
2 11	11 17.81	+ 7 59.6	2.063	2.982	8.3	21.5
2 21	11 10.64	+ 8 56.7	2.019	2.988	4.6	21.3
3 2	11 2.40	+ 9 56.8	2.004	2.993	1.2	21.1
3 12	10 53.96	+10 53.9	2.018	2.998	3.8	21.3
3 22	10 46.20	+11 42.3	2.062	3.003	7.5	21.5
4 1	10 39.89	+12 18.3	2.131	3.007	10.9	21.7
4 11	10 35.55	+12 39.7	2.223	3.011	13.8	21.9
498369	2007 VW_{326}		3 4.3	89.°02	2.°4/ 7.1	17
2 1	11 20.42	− 4 17.0	2.362	3.164	12.0	21.6
2 11	11 15.60	− 3 52.9	2.293	3.181	9.1	21.4
2 21	11 9.31	− 3 13.8	2.250	3.198	6.0	21.3
3 2	11 2.14	− 2 22.4	2.234	3.215	3.0	21.1
3 12	10 54.87	− 1 23.4	2.247	3.231	3.0	21.1
3 22	10 48.20	− 0 22.2	2.290	3.247	5.8	21.3
4 1	10 42.78	+ 0 35.9	2.361	3.263	8.9	21.5
4 11	10 39.06	+ 1 26.5	2.456	3.279	11.6	21.7
75096	1999 VW_{36}		3 4.3	17.°41	7.°1/27.9	18
2 1	11 24.83	+19 50.0	1.304	2.183	15.2	17.8
2 11	11 19.86	+21 4.4	1.255	2.186	11.3	17.6
2 21	11 12.12	+22 16.3	1.228	2.190	8.0	17.4
3 2	11 2.69	+23 14.0	1.226	2.195	7.2	17.4
3 12	10 53.07	+23 47.9	1.248	2.200	9.8	17.5
3 22	10 44.72	+23 53.3	1.294	2.206	13.6	17.8
4 1	10 38.79	+23 30.4	1.360	2.213	17.3	18.0
4 11	10 35.89	+22 43.0	1.444	2.220	20.4	18.2
205295	2000 SF_{259}		3 4.3	90.°22	1.°1/ 5.3	18
2 1	11 23.13	− 0 17.8	1.514	2.352	15.8	20.2
2 11	11 18.26	+ 0 29.8	1.450	2.362	11.7	20.0
2 21	11 11.09	+ 1 37.4	1.408	2.372	7.0	19.7
3 2	11 2.50	+ 2 59.0	1.393	2.382	2.1	19.4
3 12	10 53.67	+ 4 25.5	1.405	2.392	3.7	19.6
3 22	10 45.79	+ 5 47.4	1.444	2.401	8.5	19.9
4 1	10 39.86	+ 6 56.8	1.508	2.411	12.9	20.2
4 11	10 36.50	+ 7 48.6	1.593	2.420	16.6	20.4
512345	2016 MD_3		3 4.3	218.°67	5.°2/11.2	17
2 1	11 20.46	−15 30.6	3.041	3.765	11.3	22.3
2 11	11 15.54	−15 41.8	2.938	3.757	9.5	22.1
2 21	11 9.29	−15 36.2	2.858	3.748	7.5	22.0
3 2	11 2.16	−15 13.6	2.804	3.739	5.8	21.9
3 12	10 54.76	−14 35.5	2.779	3.729	5.2	21.8
3 22	10 47.72	−13 45.2	2.783	3.719	6.1	21.8
4 1	10 41.63	−12 47.3	2.815	3.708	7.9	22.0
4 11	10 36.96	−11 46.9	2.872	3.697	10.0	22.1
54828	2001 NJ_9		3 4.3	79.°51	0.°5/ 3.7	18
2 1	11 25.34	+ 4 7.1	1.782	2.621	13.7	19.0
2 11	11 19.33	+ 5 8.6	1.739	2.655	9.8	18.9
2 21	11 11.44	+ 6 21.8	1.721	2.688	5.4	18.7
3 2	11 2.54	+ 7 39.5	1.731	2.721	1.0	18.4
3 12	10 53.67	+ 8 54.0	1.770	2.753	3.7	18.7
3 22	10 45.82	+ 9 58.3	1.838	2.785	7.9	19.0
4 1	10 39.75	+10 48.0	1.932	2.816	11.5	19.3
4 11	10 35.92	+11 21.0	2.048	2.846	14.4	19.5
97767	2000 JB_{46}		3 4.3	256.°02	0.°0/ 4.3	18
2 1	11 21.13	+ 3 56.8	2.406	3.238	10.9	20.6
2 11	11 16.27	+ 4 27.9	2.312	3.224	7.9	20.4
2 21	11 9.80	+ 5 9.1	2.244	3.210	4.5	20.2
3 2	11 2.27	+ 5 56.9	2.205	3.195	0.9	19.9
3 12	10 54.42	+ 6 46.2	2.196	3.180	2.9	20.0
3 22	10 47.03	+ 7 32.2	2.216	3.165	6.5	20.2
4 1	10 40.84	+ 8 10.7	2.263	3.150	9.9	20.4
4 11	10 36.37	+ 8 38.4	2.333	3.134	12.8	20.6
288697	2004 QO_{17}		3 4.3	156.°53	10.°3/13.7	18
2 1	11 31.36	−24 2.3	2.135	2.804	17.0	22.3
2 11	11 24.02	−25 16.1	2.053	2.814	15.0	22.1
2 21	11 14.36	−26 3.9	1.991	2.822	13.0	22.0
3 2	11 3.14	−26 21.3	1.952	2.830	11.2	21.9
3 12	10 51.44	−26 7.5	1.938	2.837	10.3	21.9
3 22	10 40.42	−25 25.9	1.950	2.843	10.8	21.9
4 1	10 31.13	−24 23.5	1.988	2.848	12.3	22.0
4 11	10 24.32	−23 9.5	2.048	2.853	14.2	22.1

165719 2001 QB_{56} 3 4.3 133.°62 0.°5/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.49	+ 3 26.9	2.481	3.305	10.8	20.3
2 11	11 17.76	+ 3 36.3	2.406	3.313	7.9	20.2
2 21	11 10.53	+ 3 54.2	2.358	3.321	4.6	20.0
3 2	11 2.39	+ 4 17.9	2.339	3.328	1.2	19.7
3 12	10 54.09	+ 4 43.4	2.350	3.335	2.6	19.9
3 22	10 46.38	+ 5 7.1	2.391	3.342	6.0	20.1
4 1	10 39.92	+ 5 25.6	2.459	3.348	9.1	20.3
4 11	10 35.19	+ 5 36.5	2.552	3.355	11.8	20.5

464735 2003 CB_{13} 3 4.3 315.°03 3.°2/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.14	− 0 35.5	1.551	2.381	15.8	20.1
2 11	11 20.75	− 1 10.6	1.459	2.364	12.2	19.8
2 21	11 12.74	− 1 31.3	1.390	2.346	7.9	19.5
3 2	11 2.86	− 1 38.2	1.346	2.329	3.9	19.2
3 12	10 52.32	− 1 34.2	1.329	2.313	4.5	19.2
3 22	10 42.46	− 1 24.0	1.338	2.297	8.9	19.4
4 1	10 34.53	− 1 13.0	1.372	2.282	13.4	19.7
4 11	10 29.40	− 1 6.8	1.426	2.267	17.5	19.9

325182 2008 FJ_{77} 3 4.3 113.°77 0.°6/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.23	+ 5 50.6	1.891	2.732	13.0	21.6
2 11	11 19.35	+ 6 26.7	1.829	2.746	9.3	21.4
2 21	11 11.54	+ 7 12.8	1.792	2.760	5.2	21.2
3 2	11 2.58	+ 8 3.2	1.783	2.773	1.0	20.9
3 12	10 53.49	+ 8 51.8	1.803	2.786	3.7	21.2
3 22	10 45.25	+ 9 32.9	1.852	2.799	7.8	21.4
4 1	10 38.68	+10 2.3	1.927	2.811	11.5	21.7
4 11	10 34.34	+10 18.0	2.024	2.823	14.5	21.9

96916 1999 TL_{107} 3 4.3 294.°96 4.°1/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.65	− 4 32.4	1.546	2.365	16.5	19.2
2 11	11 19.56	− 4 46.6	1.464	2.358	12.9	18.9
2 21	11 11.98	− 4 40.2	1.403	2.353	8.7	18.7
3 2	11 2.71	− 4 14.1	1.368	2.347	4.9	18.4
3 12	10 52.94	− 3 32.8	1.358	2.341	4.8	18.4
3 22	10 43.96	− 2 43.2	1.376	2.335	8.6	18.6
4 1	10 36.92	− 1 53.1	1.417	2.330	12.9	18.9
4 11	10 32.57	− 1 9.9	1.480	2.324	16.8	19.1

282499 2004 PE_{55} 3 4.3 109.°35 5.°7/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.01	+15 52.6	1.713	2.575	13.0	20.4
2 11	11 20.11	+18 23.9	1.673	2.599	9.4	20.2
2 21	11 12.04	+20 56.6	1.661	2.623	6.4	20.1
3 2	11 2.68	+23 17.6	1.679	2.645	6.0	20.1
3 12	10 53.19	+25 15.5	1.726	2.667	8.6	20.3
3 22	10 44.72	+26 43.6	1.801	2.688	11.8	20.5
4 1	10 38.18	+27 40.2	1.898	2.708	14.8	20.8
4 11	10 34.13	+28 7.7	2.014	2.728	17.3	21.0

241155 2007 RN_{56} 3 4.3 115.°72 3.°5/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.80	−10 3.1	2.593	3.362	12.0	21.3
2 11	11 15.08	− 9 28.0	2.517	3.378	9.5	21.2
2 21	11 9.00	− 8 34.8	2.465	3.394	6.8	21.0
3 2	11 2.11	− 7 25.9	2.442	3.409	4.3	20.9
3 12	10 55.09	− 6 5.6	2.448	3.424	3.7	20.9
3 22	10 48.63	− 4 39.8	2.484	3.438	5.6	21.0
4 1	10 43.30	− 3 14.6	2.549	3.452	8.2	21.2
4 11	10 39.55	− 1 55.6	2.639	3.466	10.7	21.4

192326 1994 UT_8 3 4.3 238.°92 1.°6/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.86	− 0 29.7	2.122	2.943	12.5	20.6
2 11	11 16.93	− 0 9.7	2.035	2.937	9.4	20.4
2 21	11 10.23	+ 0 24.5	1.973	2.931	5.8	20.2
3 2	11 2.36	+ 1 9.9	1.938	2.925	2.2	19.9
3 12	10 54.19	+ 2 1.5	1.933	2.919	3.0	20.0
3 22	10 46.58	+ 2 53.7	1.956	2.912	6.7	20.2
4 1	10 40.34	+ 3 41.0	2.006	2.906	10.4	20.4
4 11	10 36.06	+ 4 19.0	2.079	2.899	13.5	20.6

387420 2013 UF_{12} 3 4.3 118.°33 5.°6/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.93	+24 46.0	2.451	3.297	10.2	20.3
2 11	11 20.92	+25 33.4	2.405	3.313	7.8	20.2
2 21	11 12.27	+26 14.2	2.385	3.329	6.0	20.1
3 2	11 2.71	+26 42.4	2.395	3.345	5.7	20.1
3 12	10 53.15	+26 53.8	2.434	3.360	7.2	20.2
3 22	10 44.45	+26 46.9	2.500	3.375	9.4	20.4
4 1	10 37.31	+26 22.1	2.591	3.389	11.6	20.5
4 11	10 32.17	+25 41.8	2.702	3.402	13.6	20.7

463452 2013 OU_7 3 4.3 157.°28 0.°2/ 4.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.89	+ 2 23.3	2.060	2.895	12.3	21.3
2 11	11 16.22	+ 3 35.8	1.985	2.899	8.9	21.1
2 21	11 9.80	+ 5 2.8	1.936	2.902	5.0	20.9
3 2	11 2.28	+ 6 38.2	1.916	2.906	0.9	20.6
3 12	10 54.53	+ 8 14.2	1.925	2.909	3.4	20.8
3 22	10 47.41	+ 9 43.1	1.964	2.912	7.4	21.0
4 1	10 41.71	+10 58.8	2.030	2.915	11.0	21.2
4 11	10 37.96	+11 57.5	2.119	2.917	14.0	21.5

115298 2003 SS_{203} 3 4.3 52.°92 0.°9/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.68	+ 1 24.4	1.776	2.613	13.8	19.7
2 11	11 16.89	+ 1 55.4	1.716	2.629	10.2	19.5
2 21	11 10.18	+ 2 41.0	1.680	2.644	6.0	19.3
3 2	11 2.34	+ 3 36.2	1.671	2.660	1.6	19.0
3 12	10 54.37	+ 4 34.4	1.690	2.676	3.2	19.2
3 22	10 47.24	+ 5 29.0	1.737	2.693	7.5	19.5
4 1	10 41.77	+ 6 14.4	1.809	2.709	11.2	19.7
4 11	10 38.47	+ 6 46.9	1.903	2.726	14.4	20.0

298898 2004 TR_{48} 3 4.3 168.°72 1.°0/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.84	+ 6 33.0	2.023	2.860	12.4	22.4
2 11	11 20.51	+ 7 18.2	1.950	2.866	8.9	22.1
2 21	11 12.23	+ 8 13.0	1.903	2.871	5.0	21.9
3 2	11 2.74	+ 9 11.7	1.885	2.875	1.1	21.6
3 12	10 53.01	+10 7.7	1.897	2.878	3.9	21.8
3 22	10 44.03	+10 55.4	1.938	2.880	7.9	22.1
4 1	10 36.66	+11 30.5	2.006	2.881	11.5	22.3
4 11	10 31.47	+11 51.0	2.096	2.882	14.5	22.5

48948 1998 QL_{14} 3 4.3 222.°91 1.°8/ 6.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.69	− 1 38.2	2.038	2.854	13.2	20.0
2 11	11 18.38	− 1 11.3	1.946	2.845	10.0	19.8
2 21	11 11.11	− 0 27.9	1.879	2.835	6.2	19.5
3 2	11 2.55	+ 0 28.8	1.839	2.825	2.5	19.3
3 12	10 53.60	+ 1 33.3	1.828	2.814	3.2	19.3
3 22	10 45.21	+ 2 39.1	1.847	2.802	7.1	19.5
4 1	10 38.27	+ 3 39.7	1.892	2.790	10.9	19.7
4 11	10 33.44	+ 4 30.0	1.960	2.777	14.3	19.9

31969 Yihuachen 3 4.3 243.°93 0.°3/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.91	+ 4 22.8	1.865	2.707	13.1	19.8
2 11	11 17.92	+ 5 4.4	1.782	2.699	9.5	19.5
2 21	11 10.89	+ 5 59.0	1.723	2.691	5.4	19.3
3 2	11 2.51	+ 7 1.3	1.692	2.682	1.0	18.9
3 12	10 53.76	+ 8 4.5	1.689	2.673	3.7	19.1
3 22	10 45.66	+ 9 1.5	1.715	2.665	8.1	19.4
4 1	10 39.15	+ 9 46.9	1.766	2.655	12.1	19.6
4 11	10 34.87	+10 17.2	1.839	2.646	15.5	19.8

150165 1997 UG_9 3 4.3 68.°31 3.°9/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.74	+14 43.1	1.664	2.519	13.8	19.6
2 11	11 23.16	+15 37.4	1.637	2.561	9.8	19.4
2 21	11 13.55	+16 31.8	1.635	2.602	5.8	19.3
3 2	11 2.94	+17 18.5	1.661	2.642	3.9	19.3
3 12	10 52.59	+17 50.8	1.716	2.682	6.2	19.5
3 22	10 43.57	+18 5.7	1.799	2.721	9.7	19.8
4 1	10 36.70	+18 2.6	1.905	2.760	13.0	20.1
4 11	10 32.37	+17 43.1	2.032	2.798	15.6	20.3

52773 1998 QU_{12} 3 4.3 166.°96 0.°7/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.18	+ 1 6.5	1.819	2.647	14.0	19.8
2 11	11 20.22	+ 1 49.6	1.745	2.653	10.3	19.6
2 21	11 12.15	+ 2 48.6	1.695	2.657	6.1	19.3
3 2	11 2.74	+ 3 58.3	1.672	2.662	1.6	19.0
3 12	10 53.04	+ 5 11.5	1.679	2.665	3.4	19.2
3 22	10 44.14	+ 6 20.6	1.715	2.667	7.9	19.5
4 1	10 36.97	+ 7 19.3	1.777	2.669	11.9	19.7
4 11	10 32.16	+ 8 3.3	1.862	2.670	15.3	19.9

998 Bodea 3 4.3 144.°80 4.°2/ 9.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.48	−10 50.0	2.917	3.670	11.1	17.3
2 11	11 16.93	−11 4.1	2.834	3.680	9.0	17.2
2 21	11 10.04	−11 3.4	2.775	3.689	6.7	17.1
3 2	11 2.33	−10 48.3	2.743	3.698	4.8	16.9
3 12	10 54.44	−10 20.8	2.741	3.706	4.3	16.9
3 22	10 47.02	− 9 44.4	2.769	3.714	5.7	17.0
4 1	10 40.65	− 9 3.2	2.826	3.721	7.8	17.2
4 11	10 35.77	− 8 21.8	2.907	3.728	10.0	17.3

386639 2009 SP_{240} 3 4.3 245.°22 6.°3/10.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.78	−12 54.0	2.058	2.818	15.0	21.0
2 11	11 18.54	−13 17.1	1.959	2.806	12.4	20.8
2 21	11 11.28	−13 18.6	1.882	2.794	9.6	20.6
3 2	11 2.60	−12 57.2	1.830	2.781	7.1	20.5
3 12	10 53.44	−12 14.9	1.806	2.768	6.3	20.4
3 22	10 44.79	−11 16.7	1.809	2.755	8.0	20.5
4 1	10 37.59	−10 9.4	1.838	2.741	10.9	20.6
4 11	10 32.53	− 9 1.0	1.890	2.727	14.0	20.8

205686 2001 YK_{91} 3 4.3 53.°33 7.°8/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.13	+20 34.8	1.397	2.273	14.5	19.6
2 11	11 19.33	+22 34.0	1.348	2.276	10.9	19.4
2 21	11 11.86	+24 31.5	1.322	2.279	8.2	19.3
3 2	11 2.71	+26 13.4	1.323	2.282	8.2	19.3
3 12	10 53.27	+27 28.2	1.348	2.285	10.8	19.4
3 22	10 44.97	+28 9.8	1.398	2.288	14.3	19.6
4 1	10 38.95	+28 17.7	1.467	2.292	17.7	19.9
4 11	10 35.86	+27 55.7	1.553	2.295	20.5	20.1

432543 2010 HT_{78} 3 4.3 278.°25 2.°4/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.56	+11 42.3	2.243	3.096	10.7	21.7
2 11	11 16.70	+12 28.6	2.158	3.082	7.7	21.5
2 21	11 10.11	+13 20.2	2.098	3.067	4.4	21.2
3 2	11 2.38	+14 11.5	2.067	3.053	2.4	21.1
3 12	10 54.33	+14 56.8	2.066	3.038	4.7	21.2
3 22	10 46.83	+15 31.2	2.093	3.024	8.1	21.4
4 1	10 40.64	+15 51.5	2.145	3.009	11.3	21.5
4 11	10 36.34	+15 56.5	2.219	2.995	14.2	21.7

190155 2005 TW_{103} 3 4.3 104.°43 3.°2/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.93	− 3 38.4	1.475	2.297	17.0	20.6
2 11	11 21.04	− 3 27.0	1.413	2.312	13.0	20.3
2 21	11 12.71	− 2 53.5	1.373	2.327	8.4	20.1
3 2	11 2.86	− 2 1.6	1.358	2.341	4.1	19.9
3 12	10 52.81	− 0 58.2	1.371	2.355	4.2	19.9
3 22	10 43.82	+ 0 8.0	1.410	2.369	8.5	20.2
4 1	10 36.97	+ 1 8.8	1.474	2.382	12.8	20.5
4 11	10 32.86	+ 1 57.8	1.560	2.395	16.4	20.7

29762 Panasiewicz 3 4.3 275.°44 2.°6/ 2.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.81	+10 42.5	1.459	2.319	15.0	17.6
2 11	11 22.02	+11 12.7	1.380	2.307	10.9	17.3
2 21	11 13.48	+11 50.8	1.325	2.296	6.2	17.0
3 2	11 3.05	+12 29.4	1.296	2.284	2.6	16.7
3 12	10 52.09	+13 0.6	1.293	2.272	5.8	16.9
3 22	10 42.06	+13 18.0	1.317	2.260	10.7	17.1
4 1	10 34.20	+13 17.9	1.364	2.248	15.3	17.4
4 11	10 29.33	+12 59.6	1.430	2.236	19.2	17.6

123772 2001 BQ_2 3 4.3 312.°48 6.°7/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 35.22	+24 43.0	1.776	2.624	13.4	18.7
2 11	11 26.97	+24 56.6	1.700	2.611	10.3	18.5
2 21	11 16.06	+25 0.9	1.649	2.599	7.6	18.3
3 2	11 3.50	+24 48.0	1.626	2.587	6.7	18.2
3 12	10 50.68	+24 12.9	1.631	2.576	8.6	18.3
3 22	10 38.99	+23 14.5	1.664	2.565	11.8	18.5
4 1	10 29.59	+21 55.6	1.721	2.554	15.1	18.7
4 11	10 23.13	+20 20.7	1.799	2.543	18.0	18.8

18153 2000 OC_{61} 3 4.3 214.°76 1.°6/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.88	− 0 30.4	2.904	3.708	9.9	18.3
2 11	11 17.27	− 0 30.2	2.808	3.701	7.5	18.1
2 21	11 10.29	− 0 20.4	2.740	3.693	4.7	17.9
3 2	11 2.42	− 0 2.7	2.700	3.685	2.1	17.7
3 12	10 54.30	+ 0 20.0	2.692	3.676	2.5	17.7
3 22	10 46.60	+ 0 44.4	2.715	3.668	5.3	17.9
4 1	10 39.91	+ 1 7.4	2.766	3.658	8.1	18.1
4 11	10 34.72	+ 1 25.9	2.842	3.648	10.6	18.2

224011 2005 GO_{154} 3 4.3 309.°62 3.°0/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.03	+16 36.0	2.934	3.789	8.4	20.0
2 11	11 14.50	+17 18.4	2.860	3.783	6.1	19.8
2 21	11 8.69	+18 1.2	2.813	3.777	3.9	19.7
3 2	11 2.11	+18 40.1	2.796	3.771	3.1	19.6
3 12	10 55.36	+19 10.9	2.808	3.766	4.6	19.7
3 22	10 49.07	+19 30.8	2.849	3.761	7.0	19.9
4 1	10 43.79	+19 38.1	2.916	3.755	9.4	20.0
4 11	10 39.95	+19 32.5	3.005	3.750	11.5	20.2

307523 2003 AV_{72} 3 4.3 0.°15 32.°1/ 1.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 47.70	+71 58.0	0.866	1.604	32.1	17.7
2 11	11 41.69	+72 48.6	0.863	1.593	32.9	17.7
2 21	11 25.14	+72 31.2	0.865	1.586	33.6	17.7
3 2	11 4.81	+70 51.8	0.872	1.584	34.1	17.7
3 12	10 48.22	+67 48.8	0.885	1.587	34.5	17.8
3 22	10 38.70	+63 32.6	0.905	1.594	34.9	17.8
4 1	10 36.10	+58 19.3	0.934	1.606	35.2	17.9
4 11	10 38.87	+52 27.2	0.974	1.622	35.4	18.0

323809 2005 RA_9 3 4.3 163.°04 8.°6/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 46.61	+24 59.1	1.187	2.039	18.3	20.3
2 11	11 36.05	+25 17.9	1.129	2.042	14.1	20.0
2 21	11 21.49	+25 22.9	1.093	2.045	10.2	19.8
3 2	11 4.53	+25 2.1	1.082	2.047	8.6	19.7
3 12	10 47.50	+24 8.5	1.098	2.049	11.0	19.8
3 22	10 32.65	+22 43.8	1.139	2.051	15.1	20.1
4 1	10 21.54	+20 55.3	1.203	2.052	19.3	20.3
4 11	10 14.77	+18 51.9	1.285	2.052	22.9	20.6

312142 2007 TP_{362} 3 4.3 171.°42 4.°0/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.98	+15 8.1	1.866	2.722	12.4	21.4
2 11	11 20.79	+16 9.6	1.801	2.725	9.0	21.2
2 21	11 12.47	+17 13.6	1.762	2.728	5.5	21.0
3 2	11 2.84	+18 12.2	1.751	2.730	4.1	20.9
3 12	10 52.97	+18 58.2	1.769	2.731	6.4	21.0
3 22	10 43.97	+19 26.6	1.814	2.732	10.0	21.2
4 1	10 36.75	+19 35.2	1.884	2.733	13.3	21.4
4 11	10 31.93	+19 24.8	1.974	2.733	16.2	21.6

459916 2014 MP_{30} 3 4.3 166.°75 1.°4/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.82	− 0 29.2	1.880	2.701	13.9	22.8
2 11	11 19.93	+ 0 5.6	1.804	2.706	10.4	22.6
2 21	11 11.99	+ 0 56.9	1.752	2.711	6.3	22.4
3 2	11 2.75	+ 2 0.3	1.728	2.715	2.1	22.1
3 12	10 53.24	+ 3 9.4	1.733	2.719	3.3	22.2
3 22	10 44.48	+ 4 16.8	1.767	2.721	7.5	22.5
4 1	10 37.39	+ 5 16.2	1.827	2.723	11.4	22.7
4 11	10 32.57	+ 6 2.9	1.911	2.724	14.8	22.9

363314 2002 NS_{77} 3 4.3 224.°91 2.°2/ 2.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.27	+10 8.3	2.014	2.862	12.0	22.0
2 11	11 19.56	+11 1.8	1.930	2.852	8.6	21.8
2 21	11 11.82	+12 2.9	1.872	2.841	4.9	21.5
3 2	11 2.73	+13 5.3	1.842	2.829	2.2	21.3
3 12	10 53.27	+14 1.8	1.842	2.817	4.9	21.5
3 22	10 44.44	+14 46.7	1.871	2.804	8.7	21.7
4 1	10 37.16	+15 16.0	1.925	2.790	12.4	21.9
4 11	10 32.07	+15 28.2	2.000	2.776	15.5	22.1

386184 2007 VA_{89} 3 4.3 125.°77 5.°7/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.75	−16 45.6	2.787	3.505	12.4	21.3
2 11	11 16.48	−16 58.0	2.707	3.520	10.4	21.2
2 21	11 9.83	−16 51.5	2.650	3.534	8.3	21.0
3 2	11 2.34	−16 26.0	2.618	3.548	6.5	20.9
3 12	10 54.67	−15 43.7	2.615	3.561	5.7	20.9
3 22	10 47.52	−14 48.6	2.641	3.574	6.5	21.0
4 1	10 41.49	−13 45.7	2.694	3.587	8.3	21.1
4 11	10 37.03	−12 40.9	2.772	3.599	10.3	21.3

386557 2009 DU_{65} 3 4.3 225.°85 2.°7/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.69	− 3 59.2	2.624	3.419	11.2	21.3
2 11	11 17.28	− 4 5.7	2.529	3.411	8.6	21.1
2 21	11 10.36	− 3 59.7	2.460	3.404	5.8	20.9
3 2	11 2.45	− 3 42.4	2.418	3.396	3.3	20.7
3 12	10 54.26	− 3 16.5	2.407	3.388	3.2	20.7
3 22	10 46.50	− 2 45.8	2.425	3.379	5.8	20.8
4 1	10 39.87	− 2 14.2	2.472	3.370	8.7	21.0
4 11	10 34.87	− 1 45.9	2.543	3.361	11.3	21.2

269143 2007 WZ_{23} 3 4.3 45.°85 2.°3/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.09	+10 50.6	2.036	2.892	11.5	20.7
2 11	11 16.36	+11 41.7	1.973	2.899	8.2	20.5
2 21	11 9.88	+12 38.3	1.936	2.906	4.6	20.3
3 2	11 2.35	+13 34.4	1.927	2.913	2.3	20.1
3 12	10 54.66	+14 23.7	1.946	2.920	4.7	20.3
3 22	10 47.68	+15 1.2	1.993	2.928	8.2	20.5
4 1	10 42.17	+15 23.8	2.066	2.935	11.5	20.7
4 11	10 38.64	+15 30.5	2.160	2.943	14.2	20.9

422596 2014 TS_{69} 3 4.3 119.°26 2.°6/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.91	+11 42.8	2.078	2.926	11.7	21.2
2 11	11 19.69	+12 38.2	2.023	2.945	8.3	21.1
2 21	11 11.70	+13 37.8	1.995	2.963	4.7	20.9
3 2	11 2.69	+14 35.1	1.996	2.981	2.6	20.8
3 12	10 53.59	+15 24.0	2.027	2.998	4.9	20.9
3 22	10 45.34	+15 59.7	2.086	3.015	8.3	21.2
4 1	10 38.68	+16 19.9	2.172	3.030	11.4	21.4
4 11	10 34.10	+16 24.2	2.279	3.045	14.1	21.6

33473 Porterfield 3 4.3 42.°78 2.°8/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.74	− 0 48.2	1.364	2.201	17.3	18.5
2 11	11 21.19	− 1 0.7	1.296	2.205	13.1	18.2
2 21	11 12.95	− 0 54.4	1.250	2.209	8.3	18.0
3 2	11 2.96	− 0 31.8	1.229	2.214	3.7	17.7
3 12	10 52.61	+ 0 1.4	1.233	2.219	4.3	17.8
3 22	10 43.32	+ 0 37.9	1.264	2.224	9.1	18.1
4 1	10 36.28	+ 1 10.6	1.318	2.229	13.7	18.3
4 11	10 32.21	+ 1 33.8	1.392	2.235	17.7	18.6

492637 2014 OS_{318} 3 4.3 107.°80 0.°6/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.57	+ 4 37.0	1.723	2.564	14.0	21.8
2 11	11 19.74	+ 5 28.8	1.665	2.583	10.1	21.6
2 21	11 11.84	+ 6 33.1	1.633	2.601	5.6	21.4
3 2	11 2.72	+ 7 43.1	1.628	2.618	1.0	21.1
3 12	10 53.49	+ 8 51.1	1.652	2.635	3.9	21.4
3 22	10 45.20	+ 9 49.9	1.704	2.652	8.3	21.7
4 1	10 38.75	+10 34.6	1.782	2.668	12.2	21.9
4 11	10 34.66	+11 2.7	1.881	2.683	15.4	22.2

55876 1997 VH_3 3 4.3 124.°39 2.°1/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.22	+ 9 49.6	1.807	2.661	12.9	19.2
2 11	11 18.83	+10 35.0	1.740	2.664	9.2	18.9
2 21	11 11.39	+11 27.8	1.697	2.667	5.2	18.7
3 2	11 2.66	+12 21.4	1.682	2.670	2.1	18.5
3 12	10 53.70	+13 8.7	1.696	2.673	4.9	18.7
3 22	10 45.56	+13 44.1	1.737	2.676	8.9	18.9
4 1	10 39.14	+14 4.0	1.803	2.679	12.6	19.2
4 11	10 35.02	+14 7.4	1.890	2.682	15.7	19.4

356736 2011 UH_{197} 3 4.3 258.°71 1.°2/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.68	+ 1 34.8	1.570	2.408	15.3	21.2
2 11	11 20.33	+ 1 49.3	1.485	2.397	11.4	21.0
2 21	11 12.48	+ 2 20.1	1.423	2.387	6.9	20.7
3 2	11 2.90	+ 3 3.5	1.387	2.376	2.1	20.3
3 12	10 52.80	+ 3 52.9	1.378	2.364	3.8	20.4
3 22	10 43.45	+ 4 41.1	1.396	2.353	8.8	20.7
4 1	10 36.02	+ 5 21.1	1.439	2.341	13.4	20.9
4 11	10 31.29	+ 5 48.1	1.503	2.329	17.4	21.1

341819 2007 YE_{32} 3 4.3 176.°03 4.°8/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.29	+20 28.0	2.368	3.226	10.1	20.6
2 11	11 17.10	+21 32.7	2.306	3.227	7.5	20.4
2 21	11 10.27	+22 35.4	2.271	3.227	5.4	20.3
3 2	11 2.44	+23 29.5	2.265	3.227	5.0	20.2
3 12	10 54.44	+24 9.4	2.287	3.228	6.7	20.3
3 22	10 47.08	+24 31.7	2.336	3.228	9.3	20.5
4 1	10 41.09	+24 35.3	2.410	3.228	11.8	20.7
4 11	10 36.96	+24 21.1	2.504	3.227	14.0	20.8

264430 2000 SW_{46} 3 4.3 204.°62 4.°4/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.08	− 9 16.9	2.375	3.145	12.9	20.9
2 11	11 18.45	− 9 25.7	2.280	3.140	10.4	20.7
2 21	11 11.11	− 9 16.9	2.209	3.135	7.6	20.5
3 2	11 2.62	− 8 51.2	2.165	3.129	5.1	20.4
3 12	10 53.80	− 8 11.1	2.150	3.122	4.6	20.3
3 22	10 45.47	− 7 21.3	2.165	3.115	6.6	20.4
4 1	10 38.41	− 6 27.3	2.207	3.107	9.5	20.6
4 11	10 33.21	− 5 34.9	2.273	3.099	12.3	20.8

396862 2004 TG_{17} 3 4.3 150.°97 3.°1/ 7.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.58	− 6 41.0	2.526	3.310	11.9	22.1
2 11	11 17.17	− 6 26.9	2.446	3.319	9.3	22.0
2 21	11 10.27	− 5 57.2	2.390	3.328	6.4	21.8
3 2	11 2.45	− 5 13.6	2.362	3.336	3.7	21.6
3 12	10 54.45	− 4 20.1	2.365	3.344	3.4	21.6
3 22	10 47.00	− 3 21.6	2.397	3.351	5.8	21.8
4 1	10 40.75	− 2 23.2	2.457	3.358	8.7	22.0
4 11	10 36.19	− 1 29.8	2.543	3.364	11.3	22.2

162021 1995 FV_{11} 3 4.3 156.°38 0.°4/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.95	+ 5 25.9	2.327	3.163	11.0	21.0
2 11	11 16.82	+ 5 59.3	2.251	3.166	7.9	20.8
2 21	11 10.11	+ 6 41.4	2.202	3.169	4.5	20.6
3 2	11 2.43	+ 7 28.1	2.182	3.172	0.8	20.3
3 12	10 54.55	+ 8 14.3	2.192	3.175	3.1	20.5
3 22	10 47.25	+ 8 55.2	2.230	3.178	6.7	20.8
4 1	10 41.25	+ 9 27.1	2.296	3.180	9.9	21.0
4 11	10 37.03	+ 9 47.5	2.385	3.182	12.7	21.2

78606 2002 SD_{46} 3 4.3 116.°68 1.°4/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.29	+ 8 49.9	2.195	3.042	11.2	19.9
2 11	11 17.14	+ 9 27.7	2.125	3.046	8.0	19.7
2 21	11 10.32	+10 12.0	2.081	3.051	4.4	19.5
3 2	11 2.47	+10 57.9	2.066	3.055	1.5	19.3
3 12	10 54.44	+11 39.9	2.080	3.059	3.9	19.5
3 22	10 47.06	+12 13.4	2.122	3.063	7.4	19.7
4 1	10 41.07	+12 35.1	2.191	3.067	10.7	19.9
4 11	10 36.97	+12 43.6	2.282	3.070	13.4	20.1

288703 2004 RE 3 4.3 148.°74 0.°3/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.53	+ 4 52.4	1.828	2.664	13.6	21.8
2 11	11 21.16	+ 5 27.2	1.760	2.674	9.8	21.6
2 21	11 12.69	+ 6 13.4	1.717	2.683	5.5	21.4
3 2	11 2.92	+ 7 5.6	1.702	2.692	1.0	21.1
3 12	10 52.95	+ 7 57.1	1.716	2.700	3.7	21.3
3 22	10 43.84	+ 8 41.8	1.759	2.707	8.1	21.6
4 1	10 36.52	+ 9 15.0	1.828	2.714	11.9	21.8
4 11	10 31.57	+ 9 34.2	1.919	2.719	15.2	22.0

413129 2001 XY_{142} 3 4.3 78.°79 1.°7/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.15	+ 8 24.4	1.759	2.609	13.3	22.1
2 11	11 19.35	+ 9 14.1	1.710	2.633	9.4	21.9
2 21	11 11.58	+10 11.6	1.686	2.656	5.2	21.7
3 2	11 2.70	+11 10.1	1.690	2.679	1.8	21.5
3 12	10 53.78	+12 2.4	1.723	2.702	4.5	21.7
3 22	10 45.85	+12 42.9	1.783	2.724	8.5	22.0
4 1	10 39.72	+13 8.3	1.869	2.747	12.1	22.3
4 11	10 35.89	+13 17.6	1.975	2.769	15.0	22.5

506383 2017 RV_3 3 4.3 248.°23 0.°0/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.71	+ 4 25.1	2.196	3.032	11.6	21.6
2 11	11 16.80	+ 4 54.4	2.113	3.027	8.4	21.4
2 21	11 10.18	+ 5 33.9	2.056	3.022	4.8	21.2
3 2	11 2.46	+ 6 19.6	2.026	3.017	0.9	20.9
3 12	10 54.47	+ 7 6.2	2.027	3.011	3.1	21.0
3 22	10 47.05	+ 7 48.6	2.056	3.006	6.9	21.3
4 1	10 40.96	+ 8 22.4	2.112	3.000	10.4	21.5
4 11	10 36.76	+ 8 44.8	2.190	2.995	13.4	21.7

422758 2001 TU_{116} 3 4.3 140.°93 4.°9/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.48	−11 35.6	2.284	3.045	13.6	21.0
2 11	11 17.97	−11 32.6	2.205	3.057	11.0	20.8
2 21	11 10.80	−11 9.2	2.149	3.068	8.2	20.7
3 2	11 2.58	−10 26.6	2.120	3.078	5.7	20.5
3 12	10 54.15	− 9 28.4	2.119	3.088	4.9	20.5
3 22	10 46.35	− 8 20.0	2.147	3.097	6.7	20.6
4 1	10 39.92	− 7 8.1	2.203	3.106	9.4	20.8
4 11	10 35.36	− 5 59.1	2.284	3.114	12.1	21.0

259171 2003 AB 3 4.3 8.°99 6.°3/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.09	+18 37.4	1.412	2.287	14.4	19.8
2 11	11 19.25	+19 49.2	1.357	2.288	10.7	19.5
2 21	11 11.82	+21 0.5	1.326	2.290	7.3	19.3
3 2	11 2.78	+22 0.4	1.320	2.292	6.4	19.3
3 12	10 53.51	+22 39.7	1.339	2.294	9.0	19.4
3 22	10 45.36	+22 53.3	1.383	2.297	12.7	19.7
4 1	10 39.42	+22 40.4	1.448	2.301	16.4	19.9
4 11	10 36.33	+22 3.6	1.530	2.306	19.5	20.1

519553 2012 QQ_{53} 3 4.3 3.°08 4.°0/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.56	− 6 15.5	1.942	2.744	14.2	20.6
2 11	11 16.88	− 6 25.1	1.861	2.744	11.2	20.4
2 21	11 10.31	− 6 16.3	1.802	2.744	7.8	20.2
3 2	11 2.50	− 5 50.2	1.770	2.744	4.8	20.0
3 12	10 54.39	− 5 10.6	1.765	2.745	4.4	20.0
3 22	10 46.93	− 4 23.0	1.788	2.745	7.1	20.2
4 1	10 40.96	− 3 33.8	1.837	2.747	10.6	20.4
4 11	10 37.08	− 2 48.9	1.909	2.748	13.7	20.6

272810 2006 AM_{34} 3 4.3 51.°85 9.°1/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.48	+28 25.7	1.612	2.473	13.7	20.1
2 11	11 21.34	+29 47.3	1.580	2.490	11.0	20.0
2 21	11 12.80	+30 56.0	1.573	2.508	9.3	19.9
3 2	11 2.94	+31 41.9	1.591	2.526	9.4	19.9
3 12	10 53.14	+31 58.7	1.634	2.544	11.2	20.1
3 22	10 44.64	+31 45.2	1.700	2.562	13.7	20.3
4 1	10 38.40	+31 4.2	1.787	2.581	16.2	20.5
4 11	10 34.90	+30 0.9	1.891	2.600	18.4	20.7

90718 1991 RW_3 3 4.3 73.°48 0.°4/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.83	+ 3 32.5	2.114	2.946	12.2	20.0
2 11	11 18.15	+ 3 52.3	2.058	2.969	8.8	19.8
2 21	11 10.83	+ 4 22.2	2.028	2.992	5.1	19.6
3 2	11 2.58	+ 4 58.0	2.025	3.015	1.1	19.4
3 12	10 54.27	+ 5 34.9	2.053	3.038	2.9	19.6
3 22	10 46.75	+ 6 8.2	2.109	3.061	6.6	19.9
4 1	10 40.71	+ 6 34.0	2.192	3.084	10.0	20.1
4 11	10 36.62	+ 6 49.9	2.298	3.106	12.7	20.3

170185 2003 NY_3 3 4.3 255.°23 3.°1/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.81	− 2 41.7	1.651	2.470	15.6	20.6
2 11	11 20.38	− 2 45.9	1.561	2.459	12.0	20.3
2 21	11 12.51	− 2 31.5	1.495	2.448	7.9	20.1
3 2	11 2.96	− 2 0.3	1.453	2.436	3.9	19.8
3 12	10 52.85	− 1 17.1	1.440	2.424	4.2	19.8
3 22	10 43.42	− 0 28.4	1.454	2.412	8.3	20.0
4 1	10 35.83	+ 0 18.5	1.493	2.400	12.7	20.2
4 11	10 30.84	+ 0 57.2	1.553	2.387	16.6	20.4

508480 2016 PF_{37} 3 4.3 253.°47 2.°3/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 19.12	− 5 15.5	2.657	3.452	11.0	22.0
2 11	11 14.77	− 4 38.6	2.553	3.435	8.5	21.8
2 21	11 8.99	− 3 45.8	2.473	3.419	5.7	21.6
3 2	11 2.26	− 2 39.4	2.422	3.402	3.0	21.4
3 12	10 55.22	− 1 23.7	2.401	3.384	2.8	21.3
3 22	10 48.55	− 0 4.1	2.410	3.366	5.6	21.5
4 1	10 42.91	+ 1 13.6	2.448	3.348	8.7	21.7
4 11	10 38.80	+ 2 24.2	2.510	3.330	11.5	21.8

1625 The NORC 3 4.3 304.°96 3.°7/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.34	− 4 11.4	2.173	2.973	13.0	15.2
2 11	11 18.91	− 4 43.3	2.067	2.951	10.2	14.9
2 21	11 11.52	− 5 2.0	1.985	2.928	7.1	14.7
3 2	11 2.76	− 5 7.4	1.930	2.906	4.3	14.5
3 12	10 53.48	− 5 1.4	1.905	2.883	4.2	14.4
3 22	10 44.61	− 4 47.5	1.907	2.861	7.1	14.5
4 1	10 37.07	− 4 30.0	1.937	2.839	10.5	14.7
4 11	10 31.55	− 4 13.6	1.990	2.818	13.7	14.9

419872 2011 AW_{27} 3 4.3 84.°44 0.°5/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.59	+ 2 18.4	1.786	2.623	13.8	21.2
2 11	11 18.32	+ 2 50.9	1.724	2.636	10.1	21.0
2 21	11 11.08	+ 3 37.1	1.685	2.650	5.9	20.8
3 2	11 2.64	+ 4 32.1	1.674	2.664	1.4	20.5
3 12	10 54.05	+ 5 29.2	1.691	2.677	3.3	20.7
3 22	10 46.31	+ 6 21.8	1.736	2.690	7.6	21.0
4 1	10 40.27	+ 7 4.6	1.807	2.704	11.5	21.2
4 11	10 36.47	+ 7 34.0	1.900	2.717	14.7	21.5

92470 2000 KK_{63} 3 4.3 273.°62 2.°4/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.05	+ 7 36.7	1.430	2.293	15.1	19.1
2 11	11 18.60	+ 8 52.3	1.355	2.284	10.9	18.8
2 21	11 11.57	+10 23.1	1.303	2.274	6.1	18.5
3 2	11 2.78	+11 59.9	1.277	2.265	2.4	18.3
3 12	10 53.50	+13 31.2	1.278	2.256	5.9	18.5
3 22	10 45.06	+14 47.0	1.304	2.246	10.9	18.7
4 1	10 38.66	+15 40.4	1.354	2.237	15.5	19.0
4 11	10 35.08	+16 8.9	1.423	2.228	19.3	19.2

503205 2015 HY_{23} 3 4.3 22.°21 4.°6/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.45	+18 31.1	2.049	2.909	11.3	21.0
2 11	11 18.11	+19 19.5	1.988	2.912	8.3	20.8
2 21	11 10.92	+20 6.6	1.953	2.915	5.5	20.6
3 2	11 2.61	+20 45.9	1.945	2.918	4.6	20.6
3 12	10 54.15	+21 11.5	1.966	2.921	6.6	20.7
3 22	10 46.47	+21 20.0	2.014	2.924	9.6	20.9
4 1	10 40.38	+21 10.5	2.086	2.928	12.5	21.1
4 11	10 36.38	+20 43.9	2.178	2.932	15.0	21.3

148248 2000 EJ_{124} 3 4.3 126.°44 1.°0/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.81	+ 6 6.6	1.799	2.646	13.3	19.0
2 11	11 18.53	+ 6 57.9	1.733	2.654	9.5	18.7
2 21	11 11.23	+ 8 0.4	1.692	2.661	5.3	18.5
3 2	11 2.68	+ 9 7.7	1.678	2.668	1.2	18.2
3 12	10 53.92	+10 12.2	1.693	2.675	4.1	18.5
3 22	10 45.96	+11 7.1	1.735	2.681	8.4	18.7
4 1	10 39.71	+11 47.8	1.804	2.687	12.2	19.0
4 11	10 35.72	+12 11.9	1.893	2.693	15.4	19.2

82233 2001 JF_1 3 4.3 161.°30 2.°1/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.15	+ 9 59.8	1.957	2.799	12.5	20.3
2 11	11 22.24	+10 50.2	1.890	2.808	9.0	20.1
2 21	11 13.29	+11 47.1	1.848	2.816	5.0	19.9
3 2	11 3.07	+12 44.1	1.836	2.823	2.2	19.7
3 12	10 52.65	+13 34.2	1.854	2.830	4.7	19.9
3 22	10 43.08	+14 12.1	1.901	2.834	8.6	20.1
4 1	10 35.25	+14 34.7	1.974	2.838	12.2	20.4
4 11	10 29.75	+14 41.1	2.069	2.841	15.1	20.6

351594 2005 UR_{513} 3 4.3 66.°94 2.°6/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.03	− 3 18.7	1.273	2.109	18.3	21.2
2 11	11 19.21	− 2 42.0	1.218	2.126	13.8	21.0
2 21	11 11.79	− 1 39.6	1.184	2.143	8.7	20.7
3 2	11 2.79	− 0 17.3	1.174	2.160	3.6	20.5
3 12	10 53.62	+ 1 14.7	1.190	2.177	4.1	20.5
3 22	10 45.63	+ 2 45.1	1.232	2.194	9.1	20.9
4 1	10 39.92	+ 4 3.9	1.298	2.211	13.7	21.2
4 11	10 37.10	+ 5 4.6	1.384	2.228	17.7	21.5

26602 2000 FQ_{11} 3 4.3 183.°70 6.°5/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.82	+26 4.7	2.328	3.181	10.4	18.5
2 11	11 19.01	+27 15.4	2.272	3.181	8.2	18.4
2 21	11 11.41	+28 19.5	2.242	3.181	6.7	18.3
3 2	11 2.71	+29 10.0	2.240	3.180	6.7	18.3
3 12	10 53.85	+29 41.2	2.266	3.180	8.3	18.4
3 22	10 45.73	+29 50.6	2.318	3.179	10.6	18.5
4 1	10 39.12	+29 38.2	2.393	3.178	12.9	18.7
4 11	10 34.56	+29 6.3	2.487	3.176	14.9	18.8

459038 2011 YF_{66} 3 4.3 134.°45 0.°3/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.94	+ 5 10.3	1.832	2.670	13.5	21.9
2 11	11 20.73	+ 5 37.4	1.765	2.680	9.7	21.7
2 21	11 12.45	+ 6 15.1	1.723	2.690	5.5	21.5
3 2	11 2.92	+ 6 58.5	1.710	2.700	1.0	21.2
3 12	10 53.20	+ 7 41.3	1.725	2.709	3.6	21.4
3 22	10 44.34	+ 8 17.8	1.769	2.718	7.9	21.7
4 1	10 37.25	+ 8 43.8	1.838	2.726	11.8	21.9
4 11	10 32.49	+ 8 56.9	1.930	2.733	15.0	22.1

356469 2011 QZ_{40} 3 4.3 198.°40 0.°8/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.93	+ 7 2.8	1.975	2.809	12.8	21.7
2 11	11 22.92	+ 7 24.5	1.891	2.805	9.3	21.4
2 21	11 13.76	+ 7 54.6	1.834	2.801	5.2	21.2
3 2	11 3.19	+ 8 28.5	1.805	2.795	1.1	20.9
3 12	10 52.27	+ 9 0.4	1.807	2.789	3.8	21.1
3 22	10 42.07	+ 9 25.6	1.837	2.782	8.1	21.3
4 1	10 33.58	+ 9 40.3	1.895	2.773	11.9	21.5
4 11	10 27.44	+ 9 42.6	1.975	2.764	15.2	21.7

331810 2003 SZ_{93} 3 4.3 131.°42 3.°5/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.71	− 8 48.9	2.382	3.160	12.6	21.0
2 11	11 15.93	− 8 21.9	2.303	3.171	10.0	20.9
2 21	11 9.62	− 7 36.2	2.247	3.181	7.0	20.7
3 2	11 2.38	− 6 34.1	2.220	3.190	4.3	20.5
3 12	10 54.97	− 5 20.1	2.221	3.199	3.8	20.5
3 22	10 48.13	− 4 0.3	2.252	3.208	6.0	20.7
4 1	10 42.52	− 2 41.0	2.312	3.217	8.9	20.9
4 11	10 38.63	− 1 28.1	2.396	3.225	11.6	21.1

415815 2001 QY_{48} 3 4.3 176.°21 0.°3/ 4.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.51	+ 3 11.0	2.324	3.149	11.4	22.4
2 11	11 18.70	+ 3 42.1	2.244	3.151	8.4	22.2
2 21	11 11.23	+ 4 23.7	2.190	3.154	4.8	22.0
3 2	11 2.70	+ 5 12.0	2.165	3.155	1.0	21.7
3 12	10 53.95	+ 6 1.8	2.171	3.156	2.9	21.9
3 22	10 45.78	+ 6 48.1	2.206	3.156	6.6	22.1
4 1	10 38.96	+ 7 26.7	2.270	3.155	9.9	22.3
4 11	10 33.99	+ 7 54.6	2.356	3.154	12.8	22.5

304014 2006 DL_8 3 4.3 249.°55 0.°2/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.87	+ 5 36.4	1.622	2.465	14.6	20.8
2 11	11 21.90	+ 5 51.7	1.536	2.454	10.7	20.6
2 21	11 13.39	+ 6 18.6	1.475	2.442	6.1	20.3
3 2	11 3.15	+ 6 52.4	1.440	2.430	1.1	19.9
3 12	10 52.39	+ 7 26.6	1.433	2.418	4.1	20.1
3 22	10 42.39	+ 7 55.1	1.454	2.405	9.1	20.3
4 1	10 34.34	+ 8 12.8	1.499	2.392	13.6	20.6
4 11	10 29.00	+ 8 16.8	1.565	2.379	17.5	20.8

142877 2002 VH_{36} 3 4.3 124.°61 2.°1/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.54	− 2 51.3	2.100	2.907	13.1	19.7
2 11	11 18.77	− 2 26.0	2.031	2.924	9.9	19.5
2 21	11 11.26	− 1 44.9	1.988	2.940	6.3	19.3
3 2	11 2.70	− 0 51.3	1.972	2.956	2.8	19.1
3 12	10 54.00	+ 0 9.5	1.986	2.971	3.1	19.2
3 22	10 46.02	+ 1 11.2	2.029	2.985	6.6	19.4
4 1	10 39.54	+ 2 8.1	2.100	2.999	10.0	19.6
4 11	10 35.06	+ 2 55.7	2.194	3.012	12.9	19.9

337359 2001 PL_{11} 3 4.3 170.°35 1.°8/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.41	+10 42.7	2.828	3.671	9.1	21.8
2 11	11 16.23	+11 30.8	2.755	3.675	6.5	21.6
2 21	11 9.72	+12 23.1	2.710	3.678	3.6	21.4
3 2	11 2.41	+13 15.3	2.694	3.681	1.8	21.3
3 12	10 54.94	+14 2.7	2.710	3.683	3.6	21.4
3 22	10 47.96	+14 41.6	2.755	3.685	6.5	21.6
4 1	10 42.05	+15 9.4	2.828	3.686	9.1	21.8
4 11	10 37.64	+15 24.9	2.923	3.687	11.4	22.0

134279 2006 BT_{264} 3 4.3 207.°13 0.°8/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.16	+ 5 13.4	1.746	2.589	13.8	21.2
2 11	11 19.71	+ 6 3.7	1.667	2.585	10.0	20.9
2 21	11 12.03	+ 7 7.2	1.612	2.581	5.6	20.6
3 2	11 2.88	+ 8 17.9	1.585	2.575	1.1	20.3
3 12	10 53.35	+ 9 27.6	1.587	2.570	4.2	20.5
3 22	10 44.57	+10 28.9	1.617	2.564	8.7	20.8
4 1	10 37.55	+11 16.0	1.672	2.557	12.9	21.0
4 11	10 32.95	+11 45.6	1.748	2.550	16.4	21.2

521144 2015 FC_{406} 3 4.3 248.°25 6.°7/24.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.31	+32 0.7	2.893	3.723	9.3	22.2
2 11	11 21.35	+32 50.7	2.820	3.705	7.7	22.0
2 21	11 12.69	+33 31.4	2.775	3.688	6.8	22.0
3 2	11 2.98	+33 56.8	2.758	3.669	7.0	21.9
3 12	10 53.06	+34 3.0	2.769	3.651	8.3	22.0
3 22	10 43.77	+33 48.2	2.807	3.632	10.0	22.1
4 1	10 35.86	+33 13.2	2.868	3.612	11.9	22.2
4 11	10 29.85	+32 20.5	2.949	3.592	13.6	22.3

24588 4733 $T\text{-}2$ 3 4.3 251.°68 0.°4/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.48	+ 1 8.3	1.951	2.784	12.9	19.4
2 11	11 16.14	+ 2 5.9	1.867	2.778	9.5	19.2
2 21	11 9.92	+ 3 19.7	1.807	2.772	5.6	18.9
3 2	11 2.48	+ 4 44.7	1.776	2.766	1.3	18.6
3 12	10 54.70	+ 6 13.3	1.774	2.759	3.2	18.8
3 22	10 47.53	+ 7 37.7	1.800	2.753	7.5	19.0
4 1	10 41.81	+ 8 51.1	1.853	2.746	11.4	19.2
4 11	10 38.13	+ 9 48.7	1.928	2.740	14.7	19.4

505089 2011 UH_{341} 3 4.3 101.°44 1.°6/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.49	+10 32.4	2.716	3.561	9.3	21.8
2 11	11 15.58	+11 9.9	2.651	3.571	6.6	21.7
2 21	11 9.35	+11 51.3	2.612	3.581	3.7	21.5
3 2	11 2.34	+12 32.6	2.604	3.591	1.6	21.4
3 12	10 55.23	+13 9.3	2.625	3.601	3.5	21.5
3 22	10 48.65	+13 38.1	2.676	3.610	6.4	21.7
4 1	10 43.18	+13 56.5	2.754	3.620	9.1	21.9
4 11	10 39.23	+14 3.5	2.855	3.629	11.3	22.1

368634 2004 XF_{107} 3 4.3 83.°52 3.°9/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.63	− 6 32.1	1.969	2.766	14.3	20.4
2 11	11 18.25	− 6 36.4	1.900	2.780	11.2	20.2
2 21	11 11.03	− 6 22.0	1.854	2.794	7.7	20.0
3 2	11 2.67	− 5 50.8	1.835	2.809	4.7	19.9
3 12	10 54.13	− 5 6.8	1.844	2.823	4.3	19.9
3 22	10 46.34	− 4 15.9	1.881	2.837	6.9	20.1
4 1	10 40.11	− 3 24.4	1.944	2.851	10.2	20.3
4 11	10 35.98	− 2 37.9	2.031	2.865	13.2	20.5

405904 2006 HW_{71} 3 4.3 288.°79 5.°7/28.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.81	+16 29.2	1.461	2.333	14.3	21.4
2 11	11 19.86	+17 50.6	1.394	2.325	10.5	21.1
2 21	11 12.28	+19 15.7	1.351	2.317	6.9	20.9
3 2	11 2.95	+20 33.6	1.333	2.309	5.8	20.8
3 12	10 53.19	+21 33.7	1.342	2.301	8.6	20.9
3 22	10 44.40	+22 8.9	1.376	2.293	12.6	21.1
4 1	10 37.74	+22 16.7	1.431	2.285	16.5	21.4
4 11	10 33.96	+21 58.6	1.504	2.277	19.8	21.6

1392 Pierre 3 4.3 97.°46 1.°9/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.47	+10 45.1	1.871	2.716	12.9	16.0
2 11	11 22.39	+11 5.9	1.816	2.736	9.2	15.8
2 21	11 13.31	+11 31.2	1.787	2.756	5.2	15.6
3 2	11 3.10	+11 55.4	1.787	2.775	1.9	15.4
3 12	10 52.86	+12 13.5	1.816	2.794	4.5	15.6
3 22	10 43.63	+12 21.5	1.874	2.813	8.3	15.9
4 1	10 36.26	+12 17.5	1.958	2.831	11.8	16.2
4 11	10 31.26	+12 1.2	2.063	2.849	14.7	16.4

125445 2001 VZ_{120} 3 4.3 144.°90 4.°4/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.32	+15 29.3	1.716	2.574	13.2	19.8
2 11	11 21.89	+16 35.2	1.659	2.583	9.6	19.6
2 21	11 13.18	+17 43.1	1.626	2.592	6.0	19.4
3 2	11 3.09	+18 44.3	1.622	2.600	4.5	19.3
3 12	10 52.83	+19 30.8	1.646	2.607	6.9	19.5
3 22	10 43.57	+19 57.8	1.696	2.614	10.6	19.7
4 1	10 36.30	+20 3.5	1.771	2.620	14.0	19.9
4 11	10 31.59	+19 49.0	1.865	2.626	17.0	20.1

236129 2005 TJ_{17} 3 4.3 98.°11 1.°4/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.30	+ 7 11.2	1.438	2.290	15.7	21.0
2 11	11 22.74	+ 7 53.7	1.388	2.310	11.2	20.8
2 21	11 13.68	+ 8 47.1	1.360	2.330	6.2	20.6
3 2	11 3.18	+ 9 43.6	1.360	2.350	1.6	20.3
3 12	10 52.62	+10 34.8	1.387	2.369	4.8	20.6
3 22	10 43.30	+11 13.9	1.441	2.387	9.6	20.9
4 1	10 36.25	+11 36.8	1.519	2.405	13.9	21.2
4 11	10 32.04	+11 42.2	1.617	2.422	17.3	21.5

278837 2008 SQ_{295} 3 4.3 214.°02 3.°9/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.02	− 7 4.8	2.397	3.177	12.5	21.1
2 11	11 19.16	− 7 21.0	2.302	3.170	9.9	20.9
2 21	11 11.56	− 7 22.0	2.230	3.163	7.1	20.7
3 2	11 2.81	− 7 8.1	2.187	3.156	4.5	20.5
3 12	10 53.70	− 6 41.8	2.172	3.148	4.2	20.5
3 22	10 45.07	− 6 7.1	2.188	3.139	6.5	20.6
4 1	10 37.71	− 5 28.8	2.231	3.130	9.5	20.7
4 11	10 32.21	− 4 52.0	2.298	3.120	12.3	20.9

494185 2016 GF_{247} 3 4.3 279.°39 2.°5/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.46	− 3 0.6	1.984	2.797	13.5	21.5
2 11	11 17.73	− 2 44.4	1.878	2.773	10.4	21.2
2 21	11 10.95	− 2 10.5	1.795	2.748	6.8	21.0
3 2	11 2.72	− 1 20.8	1.739	2.722	3.3	20.7
3 12	10 53.92	− 0 20.1	1.712	2.696	3.5	20.7
3 22	10 45.57	+ 0 45.2	1.713	2.670	7.4	20.8
4 1	10 38.61	+ 1 48.2	1.740	2.644	11.4	21.0
4 11	10 33.80	+ 2 42.6	1.790	2.618	15.0	21.2

420012 2011 CX_{71} 3 4.3 151.°59 3.°1/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.98	+13 14.1	1.924	2.780	12.1	21.2
2 11	11 19.32	+13 59.6	1.857	2.782	8.7	21.0
2 21	11 11.69	+14 48.8	1.816	2.784	5.1	20.7
3 2	11 2.82	+15 35.1	1.802	2.786	3.1	20.6
3 12	10 53.74	+16 12.0	1.818	2.788	5.5	20.8
3 22	10 45.45	+16 35.0	1.861	2.789	9.1	21.0
4 1	10 38.83	+16 41.6	1.928	2.791	12.5	21.2
4 11	10 34.43	+16 31.6	2.017	2.792	15.4	21.4

57601 2001 TY_{96} 3 4.3 30.°43 9.°6/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.80	−25 33.5	1.889	2.581	18.3	18.9
2 11	11 14.30	−25 37.5	1.817	2.595	16.1	18.7
2 21	11 8.88	−25 7.5	1.762	2.610	13.6	18.6
3 2	11 2.29	−24 2.1	1.727	2.625	11.3	18.5
3 12	10 55.49	−22 24.5	1.717	2.641	9.8	18.4
3 22	10 49.46	−20 22.0	1.732	2.657	9.9	18.5
4 1	10 45.03	−18 5.2	1.772	2.675	11.3	18.6
4 11	10 42.74	−15 45.9	1.837	2.692	13.5	18.8

267358 2001 XX_{21} 3 4.3 95.°55 10.°3/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.60	−21 20.7	1.956	2.659	17.4	19.8
2 11	11 21.52	−22 42.7	1.875	2.663	15.3	19.6
2 21	11 13.13	−23 39.3	1.813	2.667	13.0	19.5
3 2	11 3.15	−24 6.0	1.774	2.671	11.2	19.4
3 12	10 52.66	−24 2.1	1.760	2.674	10.3	19.3
3 22	10 42.81	−23 30.7	1.771	2.678	10.9	19.4
4 1	10 34.69	−22 38.6	1.806	2.682	12.6	19.5
4 11	10 29.04	−21 35.0	1.863	2.685	14.7	19.6

35056 Cullers 3 4.3 83.°38 0.°0/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 38.52	+ 7 13.1	1.672	2.500	15.0	17.9
2 11	11 28.88	+ 6 54.5	1.625	2.534	10.8	17.8
2 21	11 16.94	+ 6 43.0	1.603	2.568	6.1	17.5
3 2	11 3.81	+ 6 34.9	1.611	2.601	1.1	17.3
3 12	10 50.86	+ 6 26.5	1.649	2.633	3.8	17.5
3 22	10 39.35	+ 6 14.5	1.717	2.665	8.3	17.9
4 1	10 30.20	+ 5 57.0	1.813	2.696	12.1	18.2
4 11	10 23.90	+ 5 32.7	1.930	2.726	15.3	18.4

72456 2001 DZ_{12} 3 4.3 175.°84 0.°3/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.03	+ 3 3.6	2.073	2.900	12.5	20.8
2 11	11 19.99	+ 3 35.1	1.994	2.903	9.2	20.6
2 21	11 12.06	+ 4 18.4	1.941	2.905	5.3	20.4
3 2	11 2.93	+ 5 9.4	1.917	2.907	1.2	20.1
3 12	10 53.53	+ 6 2.1	1.923	2.908	3.2	20.3
3 22	10 44.82	+ 6 50.9	1.958	2.908	7.2	20.5
4 1	10 37.63	+ 7 30.9	2.020	2.907	10.9	20.7
4 11	10 32.53	+ 7 59.0	2.104	2.905	14.0	20.9

267220 2000 WK_{155} 3 4.3 179.°18 1.°0/ 5.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.97	+ 0 42.4	2.690	3.500	10.5	22.1
2 11	11 18.16	+ 1 3.0	2.605	3.502	7.8	22.0
2 21	11 10.90	+ 1 33.9	2.546	3.504	4.7	21.8
3 2	11 2.72	+ 2 12.5	2.517	3.504	1.6	21.5
3 12	10 54.34	+ 2 54.8	2.519	3.504	2.5	21.6
3 22	10 46.45	+ 3 36.6	2.552	3.503	5.6	21.8
4 1	10 39.69	+ 4 14.0	2.613	3.502	8.7	22.0
4 11	10 34.55	+ 4 44.0	2.699	3.500	11.3	22.2

385866 2006 RS_{22} 3 4.3 127.°50 1.°1/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.97	+ 0 31.0	2.879	3.689	9.9	21.5
2 11	11 16.57	+ 0 46.6	2.806	3.704	7.3	21.3
2 21	11 9.92	+ 1 11.6	2.761	3.718	4.4	21.1
3 2	11 2.53	+ 1 43.4	2.745	3.732	1.6	21.0
3 12	10 55.02	+ 2 18.6	2.760	3.745	2.3	21.0
3 22	10 48.02	+ 2 53.5	2.805	3.758	5.1	21.2
4 1	10 42.07	+ 3 24.9	2.879	3.770	7.9	21.4
4 11	10 37.59	+ 3 50.0	2.977	3.782	10.2	21.6

34699 2001 OQ_{25} 3 4.3 180.°02 0.°7/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.12	+ 5 13.4	2.477	3.314	10.4	19.8
2 11	11 15.52	+ 6 10.9	2.399	3.314	7.5	19.6
2 21	11 9.44	+ 7 18.0	2.347	3.315	4.2	19.4
3 2	11 2.45	+ 8 29.8	2.325	3.315	0.9	19.2
3 12	10 55.25	+ 9 40.5	2.333	3.315	3.1	19.4
3 22	10 48.55	+10 44.9	2.371	3.314	6.5	19.6
4 1	10 43.01	+11 38.4	2.436	3.314	9.6	19.8
4 11	10 39.11	+12 18.5	2.524	3.313	12.3	19.9

64625 2001 XM_{41} 3 4.3 234.°79 7.°9/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.75	+27 17.5	1.912	2.767	12.2	19.7
2 11	11 21.53	+28 31.0	1.854	2.762	9.8	19.5
2 21	11 13.04	+29 35.9	1.821	2.758	8.1	19.4
3 2	11 3.14	+30 23.3	1.815	2.753	8.2	19.4
3 12	10 53.02	+30 46.3	1.836	2.749	10.0	19.5
3 22	10 43.84	+30 42.2	1.881	2.744	12.6	19.6
4 1	10 36.59	+30 12.1	1.948	2.739	15.2	19.8
4 11	10 31.87	+29 19.7	2.033	2.734	17.5	19.9

108788 2001 OG_{64} 3 4.3 214.°36 1.°5/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.29	+ 8 7.3	2.448	3.292	10.3	20.4
2 11	11 15.69	+ 9 10.7	2.367	3.288	7.3	20.2
2 21	11 9.58	+10 22.1	2.313	3.283	4.1	20.0
3 2	11 2.48	+11 36.1	2.289	3.277	1.5	19.8
3 12	10 55.15	+12 46.7	2.295	3.272	3.8	19.9
3 22	10 48.31	+13 48.4	2.330	3.266	7.1	20.1
4 1	10 42.64	+14 37.3	2.392	3.260	10.2	20.3
4 11	10 38.65	+15 11.1	2.477	3.253	12.8	20.5

212314 2005 QU_{42} 3 4.3 191.°52 1.°1/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.30	+ 8 53.1	2.854	3.692	9.1	20.6
2 11	11 16.20	+ 9 25.5	2.774	3.691	6.5	20.4
2 21	11 9.77	+10 3.0	2.721	3.689	3.6	20.3
3 2	11 2.54	+10 41.8	2.698	3.687	1.2	20.1
3 12	10 55.12	+11 17.9	2.706	3.685	3.1	20.2
3 22	10 48.17	+11 47.7	2.744	3.682	6.0	20.4
4 1	10 42.25	+12 8.7	2.809	3.679	8.8	20.6
4 11	10 37.82	+12 19.2	2.898	3.676	11.1	20.7

240642 2005 AZ_{57} 3 4.3 30.°11 7.°0/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.19	+21 46.8	1.398	2.271	14.7	19.0
2 11	11 20.59	+22 41.3	1.362	2.289	11.0	18.9
2 21	11 12.50	+23 29.2	1.350	2.308	7.9	18.7
3 2	11 3.04	+24 0.8	1.362	2.328	7.2	18.7
3 12	10 53.66	+24 9.5	1.400	2.349	9.3	18.9
3 22	10 45.64	+23 53.1	1.462	2.370	12.6	19.1
4 1	10 39.95	+23 13.2	1.545	2.393	15.8	19.4
4 11	10 37.05	+22 13.8	1.646	2.416	18.5	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
129089	2004 VX_{91}		3 4.3	44.°84	2.°2/ 2.2	18
	h m	° ′			°	m
2 1	11 21.96	+ 9 30.4	1.890	2.745	12.3	19.9
2 11	11 17.22	+10 28.4	1.821	2.747	8.8	19.7
2 21	11 10.57	+11 34.5	1.778	2.748	4.9	19.5
3 2	11 2.71	+12 41.9	1.762	2.749	2.2	19.3
3 12	10 54.60	+13 43.1	1.774	2.751	4.8	19.5
3 22	10 47.22	+14 32.2	1.815	2.752	8.7	19.7
4 1	10 41.41	+15 5.0	1.880	2.754	12.2	19.9
4 11	10 37.74	+15 20.1	1.966	2.755	15.3	20.1
207723	Jiansanjiang		3 4.3	231.°39	2.°1/ 2.6	18
2 1	11 24.73	+ 8 14.7	1.569	2.425	14.3	20.5
2 11	11 19.62	+ 9 11.4	1.496	2.422	10.3	20.3
2 21	11 12.11	+10 19.6	1.447	2.418	5.8	20.0
3 2	11 3.03	+11 31.5	1.425	2.414	2.1	19.7
3 12	10 53.56	+12 37.9	1.431	2.410	5.2	19.9
3 22	10 44.94	+13 31.3	1.463	2.406	9.9	20.2
4 1	10 38.26	+14 6.3	1.520	2.401	14.1	20.4
4 11	10 34.21	+14 21.0	1.596	2.397	17.7	20.6
10156	1994 VQ_7		3 4.3	151.°96	1.°5/ 5.7	18
2 1	11 26.31	− 0 38.7	1.792	2.614	14.4	18.8
2 11	11 20.42	− 0 8.8	1.719	2.622	10.8	18.5
2 21	11 12.41	+ 0 38.1	1.671	2.630	6.6	18.3
3 2	11 3.07	+ 1 37.6	1.650	2.637	2.3	18.1
3 12	10 53.47	+ 2 43.1	1.657	2.643	3.3	18.1
3 22	10 44.69	+ 3 47.3	1.694	2.649	7.6	18.4
4 1	10 37.65	+ 4 43.6	1.756	2.654	11.6	18.7
4 11	10 32.98	+ 5 27.4	1.841	2.659	15.1	18.9
384825	2012 RP_{22}		3 4.3	50.°82	0.°8/ 3.5	18
2 1	11 21.13	+ 6 7.0	1.991	2.837	12.2	21.1
2 11	11 16.43	+ 6 48.9	1.933	2.853	8.7	20.9
2 21	11 10.01	+ 7 40.0	1.899	2.868	4.8	20.7
3 2	11 2.60	+ 8 35.0	1.894	2.884	1.0	20.4
3 12	10 55.07	+ 9 27.7	1.918	2.901	3.6	20.7
3 22	10 48.29	+10 12.6	1.970	2.917	7.4	20.9
4 1	10 42.98	+10 45.7	2.047	2.934	10.8	21.2
4 11	10 39.64	+11 5.0	2.147	2.950	13.7	21.4
371984	2008 GY_{95}		3 4.3	260.°11	0.°9/ 3.5	17
2 1	11 23.09	+ 5 43.3	1.962	2.804	12.5	21.6
2 11	11 18.17	+ 6 33.0	1.868	2.787	9.1	21.4
2 21	11 11.22	+ 7 34.9	1.800	2.769	5.1	21.1
3 2	11 2.87	+ 8 43.6	1.760	2.751	1.1	20.8
3 12	10 54.07	+ 9 52.1	1.750	2.732	3.9	21.0
3 22	10 45.81	+10 53.3	1.767	2.713	8.2	21.2
4 1	10 39.02	+11 41.8	1.811	2.693	12.2	21.4
4 11	10 34.39	+12 14.0	1.876	2.674	15.6	21.6
495851	2002 TL_{68}		3 4.3	256.°31	6.°6/11.4	17
2 1	11 23.82	−17 0.5	2.239	2.968	14.8	22.4
2 11	11 18.68	−16 50.9	2.118	2.941	12.5	22.2
2 21	11 11.54	−16 15.4	2.019	2.913	10.0	22.0
3 2	11 2.95	−15 12.4	1.944	2.885	7.6	21.8
3 12	10 53.76	−13 44.1	1.898	2.855	6.6	21.7
3 22	10 44.93	−11 56.5	1.880	2.824	7.9	21.7
4 1	10 37.39	− 9 57.9	1.891	2.793	10.7	21.8
4 11	10 31.89	− 7 58.3	1.926	2.760	13.9	21.9
336535	2008 YF_{164}		3 4.3	121.°63	3.°2/ 7.6	17
2 1	11 22.32	− 5 14.6	2.270	3.067	12.6	20.6
2 11	11 17.21	− 5 13.8	2.190	3.072	9.8	20.4
2 21	11 10.47	− 4 57.4	2.135	3.077	6.7	20.2
3 2	11 2.70	− 4 27.0	2.106	3.083	3.8	20.0
3 12	10 54.71	− 3 46.3	2.107	3.088	3.6	20.0
3 22	10 47.29	− 3 0.3	2.136	3.093	6.2	20.2
4 1	10 41.19	− 2 14.1	2.193	3.097	9.4	20.4
4 11	10 36.91	− 1 32.7	2.274	3.102	12.2	20.6
197069	2003 UM_{163}		3 4.3	151.°09	0.°7/ 3.5	18
2 1	11 21.64	+ 5 46.4	2.321	3.159	11.0	20.6
2 11	11 16.68	+ 6 35.8	2.248	3.165	7.9	20.4
2 21	11 10.14	+ 7 34.3	2.202	3.170	4.4	20.2
3 2	11 2.64	+ 8 37.0	2.184	3.175	0.9	20.0
3 12	10 54.96	+ 9 38.2	2.197	3.179	3.3	20.1
3 22	10 47.85	+10 32.4	2.239	3.183	6.8	20.4
4 1	10 42.03	+11 15.8	2.308	3.187	10.0	20.6
4 11	10 37.97	+11 45.8	2.400	3.191	12.8	20.8
285734	2000 SW_{365}		3 4.3	230.°63	4.°2/27.3	17
2 1	11 23.80	+22 18.5	3.176	4.021	8.1	21.7
2 11	11 17.99	+23 9.3	3.094	4.006	6.2	21.5
2 21	11 10.82	+23 57.4	3.041	3.990	4.6	21.4
3 2	11 2.78	+24 38.1	3.017	3.973	4.3	21.4
3 12	10 54.52	+25 7.3	3.024	3.956	5.7	21.4
3 22	10 46.67	+25 22.4	3.060	3.938	7.8	21.6
4 1	10 39.86	+25 22.4	3.121	3.920	9.8	21.7
4 11	10 34.54	+25 7.7	3.204	3.901	11.7	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
85721	1998 SL_{63}		3 4.3	170.°24	1.°5/ 5.5	18
	h m	° ′			°	m
2 1	11 28.98	+ 0 49.7	1.761	2.584	14.6	19.9
2 11	11 22.44	+ 0 59.9	1.684	2.588	10.9	19.7
2 21	11 13.63	+ 1 24.8	1.632	2.592	6.6	19.4
3 2	11 3.34	+ 2 0.9	1.607	2.595	2.3	19.2
3 12	10 52.74	+ 2 42.7	1.611	2.597	3.5	19.2
3 22	10 42.96	+ 3 24.0	1.643	2.598	7.9	19.5
4 1	10 35.04	+ 3 59.0	1.702	2.599	12.0	19.8
4 11	10 29.62	+ 4 23.6	1.783	2.598	15.5	20.0
172950	2005 JU_{166}		3 4.3	243.°79	3.°9/ 8.8	17
2 1	11 20.45	− 8 34.1	2.324	3.106	12.8	20.4
2 11	11 15.93	− 8 27.6	2.233	3.102	10.2	20.3
2 21	11 9.79	− 8 3.0	2.166	3.098	7.3	20.1
3 2	11 2.60	− 7 21.4	2.125	3.094	4.7	19.9
3 12	10 55.12	− 6 26.5	2.113	3.089	4.1	19.8
3 22	10 48.14	− 5 23.5	2.130	3.085	6.3	20.0
4 1	10 42.38	− 4 18.4	2.174	3.081	9.3	20.1
4 11	10 38.39	− 3 17.1	2.242	3.076	12.1	20.3
393970	2005 UJ_{289}		3 4.3	215.°04	3.°4/ 1.7	18
2 1	11 29.81	+12 59.8	1.696	2.549	13.6	21.1
2 11	11 23.24	+13 47.6	1.619	2.542	9.9	20.8
2 21	11 14.18	+14 40.5	1.567	2.534	5.8	20.6
3 2	11 3.47	+15 30.9	1.542	2.526	3.4	20.4
3 12	10 52.33	+16 10.8	1.546	2.517	6.1	20.5
3 22	10 42.05	+16 34.5	1.577	2.507	10.3	20.7
4 1	10 33.75	+16 39.3	1.633	2.497	14.3	21.0
4 11	10 28.16	+16 25.0	1.709	2.485	17.7	21.2
502242	2015 BS_{98}		3 4.3	174.°55	3.°5/ 7.9	17
2 1	11 25.46	− 6 16.1	2.469	3.251	12.2	22.1
2 11	11 19.40	− 6 26.3	2.382	3.254	9.5	21.9
2 21	11 11.71	− 6 21.8	2.320	3.256	6.7	21.7
3 2	11 2.97	− 6 3.6	2.286	3.258	4.1	21.5
3 12	10 53.96	− 5 34.5	2.282	3.259	3.8	21.5
3 22	10 45.49	− 4 58.5	2.307	3.259	6.1	21.7
4 1	10 38.29	− 4 20.4	2.361	3.259	9.0	21.8
4 11	10 32.87	− 3 44.7	2.439	3.259	11.7	22.0
431152	2006 QD_{160}		3 4.3	86.°22	0.°4/ 4.9	17
2 1	11 19.65	+ 1 38.7	2.264	3.094	11.5	21.4
2 11	11 15.28	+ 2 25.7	2.190	3.100	8.4	21.2
2 21	11 9.38	+ 3 25.2	2.141	3.105	4.9	21.0
3 2	11 2.51	+ 4 32.9	2.121	3.111	1.2	20.8
3 12	10 55.46	+ 5 42.7	2.131	3.116	2.8	20.9
3 22	10 48.98	+ 6 48.9	2.169	3.122	6.4	21.1
4 1	10 43.75	+ 7 46.3	2.235	3.127	9.7	21.4
4 11	10 40.26	+ 8 31.4	2.324	3.133	12.6	21.6
419753	2010 VP_{90}		3 4.3	0.°94	8.°6/10.8	18
2 1	11 19.94	−12 51.6	1.303	2.104	20.0	19.7
2 11	11 16.58	−13 39.5	1.231	2.101	16.7	19.5
2 21	11 10.59	−13 56.9	1.177	2.099	13.0	19.2
3 2	11 2.79	−13 41.1	1.144	2.099	9.8	19.0
3 12	10 54.50	−12 54.6	1.134	2.100	8.6	19.0
3 22	10 47.10	−11 45.3	1.147	2.103	10.4	19.1
4 1	10 41.82	−10 24.2	1.183	2.107	13.9	19.3
4 11	10 39.46	− 9 3.3	1.239	2.112	17.5	19.5
234873	2002 SJ_{48}		3 4.3	151.°00	3.°7/29.3	17
2 1	11 24.90	+17 33.0	2.473	3.323	10.0	20.8
2 11	11 18.93	+18 16.6	2.410	3.329	7.2	20.7
2 21	11 11.38	+18 59.5	2.374	3.335	4.7	20.5
3 2	11 2.90	+19 36.4	2.367	3.341	3.7	20.4
3 12	10 54.28	+20 2.4	2.390	3.346	5.5	20.6
3 22	10 46.33	+20 14.6	2.441	3.351	8.2	20.7
4 1	10 39.72	+20 11.9	2.519	3.355	10.8	20.9
4 11	10 34.94	+19 54.6	2.618	3.359	13.0	21.1
431189	2006 SH_{83}		3 4.3	243.°39	6.°4/27.0	17
2 1	11 29.02	+27 4.7	2.332	3.176	10.7	20.5
2 11	11 22.03	+27 42.4	2.271	3.175	8.4	20.4
2 21	11 13.19	+28 11.8	2.236	3.174	6.7	20.3
3 2	11 3.25	+28 26.5	2.229	3.172	6.5	20.2
3 12	10 53.20	+28 22.4	2.250	3.171	8.0	20.3
3 22	10 44.01	+27 57.8	2.299	3.169	10.3	20.5
4 1	10 36.46	+27 13.8	2.371	3.168	12.6	20.6
4 11	10 31.09	+26 13.4	2.465	3.167	14.7	20.8
472145	2014 CG_6		3 4.3	306.°86	1.°9/ 5.8	18
2 1	11 25.23	+ 1 7.1	2.123	2.944	12.5	20.3
2 11	11 19.60	+ 0 46.2	2.023	2.924	9.5	20.1
2 21	11 12.01	+ 0 35.5	1.948	2.905	5.9	19.8
3 2	11 3.07	+ 0 33.5	1.900	2.886	2.5	19.6
3 12	10 53.65	+ 0 37.5	1.882	2.867	3.2	19.6
3 22	10 44.73	+ 0 43.9	1.893	2.849	7.0	19.8
4 1	10 37.19	+ 0 49.0	1.931	2.830	10.7	20.0
4 11	10 31.72	+ 0 49.3	1.991	2.812	14.0	20.1

364649 2007 TO_{153} 3 4.4 91.°57 0.°4/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.00	+ 2 56.8	1.593	2.432	15.1	21.2
2 11	11 20.99	+ 3 25.7	1.537	2.451	11.0	21.0
2 21	11 12.74	+ 4 8.8	1.504	2.470	6.3	20.7
3 2	11 3.17	+ 5 0.5	1.498	2.488	1.4	20.4
3 12	10 53.49	+ 5 53.5	1.521	2.506	3.7	20.7
3 22	10 44.86	+ 6 40.9	1.570	2.524	8.3	21.0
4 1	10 38.21	+ 7 17.3	1.645	2.542	12.4	21.2
4 11	10 34.11	+ 7 39.6	1.742	2.559	15.8	21.5

334608 2002 TK_{361} 3 4.4 123.°30 0.°8/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.21	+ 6 45.3	2.408	3.246	10.6	22.2
2 11	11 17.01	+ 7 26.2	2.341	3.258	7.6	22.1
2 21	11 10.30	+ 8 14.6	2.301	3.269	4.2	21.9
3 2	11 2.71	+ 9 5.8	2.290	3.280	1.0	21.6
3 12	10 54.97	+ 9 54.8	2.309	3.290	3.2	21.8
3 22	10 47.84	+10 37.0	2.357	3.301	6.6	22.1
4 1	10 41.98	+11 9.1	2.433	3.311	9.7	22.3
4 11	10 37.83	+11 29.1	2.531	3.320	12.2	22.5

180822 2005 GO_4 3 4.4 144.°68 3.°5/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.45	+13 38.9	1.884	2.739	12.4	20.7
2 11	11 20.45	+14 38.8	1.823	2.747	8.9	20.5
2 21	11 12.41	+15 42.2	1.788	2.755	5.3	20.3
3 2	11 3.12	+16 41.7	1.780	2.762	3.5	20.2
3 12	10 53.66	+17 30.1	1.802	2.769	5.9	20.4
3 22	10 45.05	+18 2.4	1.851	2.775	9.5	20.6
4 1	10 38.18	+18 16.3	1.926	2.781	12.8	20.8
4 11	10 33.62	+18 12.0	2.020	2.786	15.6	21.0

383694 2007 TS_{383} 3 4.4 53.°77 0.°0/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.50	+ 4 9.2	1.994	2.835	12.4	21.1
2 11	11 16.72	+ 4 43.0	1.933	2.849	9.0	20.9
2 21	11 10.22	+ 5 27.7	1.896	2.863	5.1	20.7
3 2	11 2.70	+ 6 18.3	1.887	2.878	1.0	20.4
3 12	10 55.04	+ 7 9.0	1.907	2.892	3.2	20.6
3 22	10 48.12	+ 7 54.3	1.956	2.907	7.1	20.9
4 1	10 42.68	+ 8 29.7	2.030	2.922	10.6	21.1
4 11	10 39.21	+ 8 52.6	2.127	2.938	13.5	21.4

269274 2008 RL_{90} 3 4.4 181.°49 0.°5/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.44	+ 4 20.1	2.013	2.854	12.3	20.9
2 11	11 16.79	+ 5 13.4	1.937	2.854	8.9	20.7
2 21	11 10.34	+ 6 19.0	1.886	2.854	5.0	20.5
3 2	11 2.74	+ 7 31.3	1.864	2.854	0.9	20.2
3 12	10 54.87	+ 8 43.4	1.870	2.854	3.5	20.4
3 22	10 47.65	+ 9 48.6	1.906	2.854	7.5	20.6
4 1	10 41.86	+10 41.7	1.967	2.853	11.2	20.8
4 11	10 38.07	+11 19.4	2.050	2.853	14.3	21.0

340938 2007 EF_{37} 3 4.4 276.°23 2.°1/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.08	− 3 40.1	2.043	2.855	13.3	21.4
2 11	11 16.73	− 2 57.2	1.935	2.830	10.2	21.1
2 21	11 10.45	− 1 54.0	1.851	2.805	6.6	20.9
3 2	11 2.79	− 0 33.5	1.795	2.779	2.9	20.6
3 12	10 54.62	+ 0 58.3	1.767	2.753	3.2	20.6
3 22	10 46.86	+ 2 33.8	1.769	2.727	7.2	20.7
4 1	10 40.43	+ 4 4.6	1.798	2.700	11.2	20.9
4 11	10 36.03	+ 5 24.0	1.850	2.673	14.8	21.1

456824 2007 TY_{418} 3 4.4 70.°33 5.°0/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.68	+16 3.1	1.456	2.323	14.6	21.6
2 11	11 21.74	+17 1.4	1.406	2.334	10.6	21.4
2 21	11 13.28	+18 0.8	1.379	2.345	6.7	21.2
3 2	11 3.31	+18 52.0	1.378	2.356	5.0	21.1
3 12	10 53.22	+19 26.4	1.404	2.368	7.6	21.3
3 22	10 44.33	+19 39.5	1.455	2.379	11.5	21.5
4 1	10 37.68	+19 30.0	1.529	2.390	15.2	21.8
4 11	10 33.86	+19 0.1	1.621	2.402	18.3	22.0

384233 2009 DU_{55} 3 4.4 91.°24 1.°3/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.20	+ 8 0.3	2.278	3.123	10.9	21.1
2 11	11 16.39	+ 8 43.9	2.209	3.130	7.8	21.0
2 21	11 10.01	+ 9 34.6	2.167	3.136	4.3	20.7
3 2	11 2.68	+10 27.5	2.153	3.142	1.3	20.5
3 12	10 55.17	+11 17.0	2.169	3.148	3.6	20.7
3 22	10 48.28	+11 58.5	2.213	3.155	7.1	20.9
4 1	10 42.69	+12 28.4	2.284	3.161	10.2	21.1
4 11	10 38.88	+12 45.0	2.377	3.167	12.9	21.3

29557 1998 DV_3 3 4.4 42.°65 0.°2/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.26	+ 3 24.9	1.889	2.730	13.0	18.1
2 11	11 16.64	+ 3 56.8	1.827	2.743	9.4	17.9
2 21	11 10.22	+ 4 40.6	1.789	2.756	5.4	17.7
3 2	11 2.72	+ 5 31.7	1.779	2.769	1.1	17.4
3 12	10 55.07	+ 6 23.7	1.797	2.783	3.2	17.6
3 22	10 48.18	+ 7 10.8	1.843	2.797	7.3	17.9
4 1	10 42.82	+ 7 48.1	1.915	2.811	10.9	18.1
4 11	10 39.52	+ 8 12.8	2.008	2.825	14.0	18.4

208967 2002 XC_{76} 3 4.4 62.°63 0.°3/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.22	+ 3 47.0	2.043	2.878	12.4	20.3
2 11	11 17.90	+ 4 6.1	1.982	2.895	9.0	20.1
2 21	11 10.87	+ 4 35.5	1.947	2.912	5.2	19.9
3 2	11 2.84	+ 5 11.0	1.940	2.930	1.1	19.6
3 12	10 54.70	+ 5 47.6	1.962	2.948	3.0	19.8
3 22	10 47.33	+ 6 20.6	2.013	2.965	6.8	20.1
4 1	10 41.46	+ 6 45.8	2.090	2.983	10.3	20.3
4 11	10 37.56	+ 7 0.7	2.189	3.001	13.2	20.6

310122 2011 EN_{13} 3 4.4 197.°82 0.°3/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.05	+ 2 20.6	2.252	3.080	11.6	21.4
2 11	11 17.10	+ 3 3.0	2.169	3.078	8.5	21.2
2 21	11 10.48	+ 3 57.7	2.111	3.075	5.0	21.0
3 2	11 2.79	+ 5 0.5	2.082	3.072	1.1	20.7
3 12	10 54.83	+ 6 5.5	2.083	3.068	2.9	20.8
3 22	10 47.42	+ 7 7.0	2.113	3.065	6.7	21.1
4 1	10 41.31	+ 7 59.9	2.171	3.060	10.1	21.3
4 11	10 37.03	+ 8 40.6	2.252	3.056	13.1	21.5

165322 2000 UN_{77} 3 4.4 157.°54 1.°8/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.65	+ 8 32.5	1.958	2.802	12.5	21.1
2 11	11 20.54	+ 9 26.7	1.891	2.810	8.9	20.9
2 21	11 12.46	+10 29.0	1.849	2.817	5.0	20.7
3 2	11 3.17	+11 33.0	1.836	2.824	1.8	20.5
3 12	10 53.66	+12 31.8	1.852	2.830	4.4	20.7
3 22	10 44.94	+13 19.3	1.898	2.835	8.3	20.9
4 1	10 37.87	+13 51.9	1.969	2.840	11.9	21.2
4 11	10 33.01	+14 8.1	2.062	2.843	14.9	21.4

139505 2001 PF_{40} 3 4.4 232.°01 4.°1/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.85	− 8 30.6	2.401	3.179	12.6	20.1
2 11	11 16.93	− 8 37.6	2.309	3.174	10.0	19.9
2 21	11 10.39	− 8 27.9	2.240	3.169	7.3	19.7
3 2	11 2.78	− 8 2.2	2.198	3.164	4.8	19.5
3 12	10 54.88	− 7 23.2	2.185	3.159	4.3	19.5
3 22	10 47.45	− 6 35.4	2.200	3.153	6.3	19.6
4 1	10 41.22	− 5 44.2	2.243	3.147	9.2	19.8
4 11	10 36.75	− 4 55.0	2.310	3.141	11.9	19.9

341368 2007 TT_{94} 3 4.4 58.°16 7.°3/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.70	+27 4.4	1.979	2.832	11.9	19.7
2 11	11 21.20	+28 0.7	1.942	2.850	9.4	19.5
2 21	11 12.73	+28 47.3	1.930	2.869	7.6	19.5
3 2	11 3.20	+29 16.6	1.946	2.888	7.5	19.5
3 12	10 53.72	+29 23.8	1.988	2.906	9.0	19.6
3 22	10 45.31	+29 7.8	2.056	2.925	11.4	19.8
4 1	10 38.78	+28 30.0	2.146	2.944	13.7	20.0
4 11	10 34.59	+27 34.1	2.256	2.963	15.8	20.2

234956 2002 VL_{140} 3 4.4 159.°17 0.°2/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.70	+ 5 48.6	2.525	3.356	10.4	21.1
2 11	11 18.06	+ 6 7.9	2.448	3.360	7.5	20.9
2 21	11 10.93	+ 6 34.4	2.398	3.364	4.3	20.7
3 2	11 2.88	+ 7 4.7	2.378	3.368	0.8	20.5
3 12	10 54.65	+ 7 34.6	2.388	3.372	2.8	20.6
3 22	10 46.98	+ 8 0.4	2.428	3.375	6.2	20.8
4 1	10 40.53	+ 8 19.1	2.495	3.378	9.3	21.0
4 11	10 35.77	+ 8 28.5	2.586	3.380	11.9	21.2

258352 2001 WL 3 4.4 93.°30 2.°6/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.52	− 2 54.9	1.795	2.613	14.6	20.4
2 11	11 18.45	− 2 41.4	1.722	2.619	11.1	20.2
2 21	11 11.35	− 2 9.8	1.673	2.626	7.2	19.9
3 2	11 2.97	− 1 23.2	1.650	2.633	3.4	19.7
3 12	10 54.34	− 0 27.2	1.655	2.640	3.6	19.7
3 22	10 46.47	+ 0 31.4	1.687	2.646	7.3	20.0
4 1	10 40.26	+ 1 25.9	1.746	2.653	11.2	20.2
4 11	10 36.30	+ 2 10.8	1.827	2.659	14.6	20.5

305719 2009 CF_{14} 3 4.4 74.°35 0.°5/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.42	+ 6 6.8	1.401	2.251	16.1	20.7
2 11	11 22.97	+ 6 22.8	1.349	2.270	11.6	20.4
2 21	11 13.96	+ 6 50.2	1.319	2.288	6.6	20.2
3 2	11 3.47	+ 7 23.0	1.316	2.307	1.2	19.9
3 12	10 52.90	+ 7 54.2	1.340	2.325	4.3	20.2
3 22	10 43.59	+ 8 17.5	1.391	2.343	9.3	20.5
4 1	10 36.57	+ 8 28.9	1.465	2.362	13.6	20.8
4 11	10 32.44	+ 8 26.5	1.560	2.380	17.2	21.1

151129 2001 XO_6 3 4.4 182.°65 0.°0/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.30	+ 5 17.3	2.280	3.107	11.5	20.0
2 11	11 20.84	+ 5 28.9	2.199	3.108	8.4	19.8
2 21	11 12.60	+ 5 48.6	2.144	3.108	4.8	19.5
3 2	11 3.23	+ 6 13.0	2.118	3.108	0.9	19.2
3 12	10 53.62	+ 6 37.7	2.122	3.107	3.0	19.4
3 22	10 44.63	+ 6 58.8	2.157	3.105	6.8	19.6
4 1	10 37.06	+ 7 12.9	2.219	3.103	10.2	19.8
4 11	10 31.47	+ 7 17.9	2.305	3.101	13.1	20.0

459738 2013 QT_9 3 4.4 271.°94 0.°8/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.77	− 0 25.7	1.817	2.648	13.8	21.6
2 11	11 16.63	+ 0 37.0	1.725	2.634	10.3	21.3
2 21	11 10.44	+ 2 0.1	1.656	2.619	6.2	21.1
3 2	11 2.84	+ 3 38.2	1.615	2.605	1.7	20.7
3 12	10 54.78	+ 5 23.0	1.603	2.590	3.4	20.8
3 22	10 47.28	+ 7 5.2	1.620	2.575	8.0	21.1
4 1	10 41.31	+ 8 36.0	1.662	2.560	12.2	21.3
4 11	10 37.56	+ 9 49.5	1.727	2.544	15.9	21.5

388411 2006 WF_{100} 3 4.4 183.°69 3.°9/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.57	+17 55.6	2.599	3.454	9.4	21.0
2 11	11 16.58	+18 57.1	2.533	3.454	6.8	20.8
2 21	11 10.11	+19 58.6	2.494	3.454	4.6	20.7
3 2	11 2.74	+20 54.2	2.484	3.454	4.0	20.6
3 12	10 55.19	+21 38.9	2.503	3.453	5.7	20.7
3 22	10 48.18	+22 9.0	2.551	3.452	8.2	20.9
4 1	10 42.37	+22 23.0	2.624	3.451	10.7	21.1
4 11	10 38.23	+22 20.8	2.718	3.450	12.8	21.2

158868 2004 PU_{17} 3 4.4 162.°20 1.°3/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.59	+ 6 47.4	1.830	2.673	13.3	21.4
2 11	11 20.65	+ 7 43.5	1.760	2.679	9.5	21.2
2 21	11 12.60	+ 8 50.3	1.716	2.685	5.3	21.0
3 2	11 3.24	+10 1.2	1.700	2.690	1.4	20.7
3 12	10 53.62	+11 8.4	1.714	2.694	4.3	20.9
3 22	10 44.82	+12 5.0	1.756	2.698	8.6	21.2
4 1	10 37.75	+12 46.3	1.823	2.700	12.4	21.4
4 11	10 33.01	+13 10.4	1.912	2.702	15.6	21.6

241517 2009 EK 3 4.4 282.°56 4.°0/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.09	+16 27.9	2.220	3.079	10.6	20.1
2 11	11 17.26	+17 28.0	2.140	3.064	7.7	19.9
2 21	11 10.65	+18 30.1	2.086	3.050	5.0	19.7
3 2	11 2.87	+19 27.7	2.060	3.035	4.1	19.6
3 12	10 54.77	+20 14.4	2.063	3.020	6.1	19.7
3 22	10 47.23	+20 45.4	2.093	3.006	9.2	19.9
4 1	10 41.05	+20 58.5	2.149	2.991	12.2	20.1
4 11	10 36.81	+20 53.4	2.224	2.976	14.8	20.2

42325 2001 XB_{89} 3 4.4 353.°46 5.°4/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.75	+15 31.0	1.115	1.997	16.9	18.0
2 11	11 21.12	+16 17.9	1.056	1.992	12.4	17.8
2 21	11 13.31	+17 8.1	1.018	1.988	7.7	17.5
3 2	11 3.41	+17 50.6	1.004	1.985	5.5	17.3
3 12	10 53.11	+18 14.7	1.013	1.984	8.6	17.5
3 22	10 44.13	+18 14.5	1.045	1.983	13.4	17.8
4 1	10 37.83	+17 48.5	1.097	1.983	18.0	18.0
4 11	10 34.97	+16 59.1	1.166	1.984	21.9	18.3

313740 2003 UP_{219} 3 4.4 112.°42 1.°4/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.74	+ 8 6.1	1.685	2.533	13.9	21.6
2 11	11 21.53	+ 8 37.9	1.624	2.545	10.0	21.4
2 21	11 13.10	+ 9 18.3	1.587	2.556	5.6	21.2
3 2	11 3.33	+10 1.2	1.578	2.567	1.5	20.9
3 12	10 53.39	+10 39.6	1.597	2.578	4.4	21.2
3 22	10 44.43	+11 8.2	1.644	2.589	8.8	21.4
4 1	10 37.40	+11 23.2	1.716	2.599	12.7	21.7
4 11	10 32.86	+11 23.4	1.809	2.609	16.0	21.9

59478 1999 HR_4 3 4.4 195.°42 1.°8/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.36	+10 0.5	2.427	3.268	10.4	20.0
2 11	11 18.68	+10 45.5	2.347	3.265	7.5	19.8
2 21	11 11.36	+11 36.3	2.294	3.262	4.2	19.5
3 2	11 3.00	+12 27.7	2.271	3.258	1.8	19.4
3 12	10 54.41	+13 14.4	2.278	3.253	4.0	19.5
3 22	10 46.36	+13 51.9	2.315	3.248	7.3	19.7
4 1	10 39.60	+14 17.2	2.378	3.242	10.4	19.9
4 11	10 34.63	+14 28.9	2.465	3.236	13.0	20.1

340820 2006 UU_{96} 3 4.4 89.°60 1.°5/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.16	+ 9 2.2	2.368	3.214	10.5	21.2
2 11	11 16.32	+ 9 45.4	2.302	3.222	7.5	21.0
2 21	11 9.98	+10 34.7	2.261	3.231	4.2	20.8
3 2	11 2.73	+11 25.0	2.250	3.239	1.5	20.6
3 12	10 55.33	+12 11.2	2.268	3.247	3.7	20.8
3 22	10 48.52	+12 49.0	2.316	3.254	7.0	21.0
4 1	10 42.98	+13 15.2	2.389	3.262	10.0	21.2
4 11	10 39.15	+13 28.3	2.486	3.270	12.6	21.4

352705 2008 SC_{152} 3 4.4 195.°73 2.°8/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.19	− 4 5.0	1.813	2.621	14.9	21.7
2 11	11 20.50	− 3 42.5	1.728	2.619	11.4	21.5
2 21	11 12.62	− 2 59.8	1.665	2.616	7.5	21.2
3 2	11 3.28	− 1 59.9	1.630	2.612	3.6	21.0
3 12	10 53.52	− 0 48.6	1.623	2.607	3.7	21.0
3 22	10 44.45	+ 0 26.4	1.645	2.602	7.6	21.2
4 1	10 37.07	+ 1 37.3	1.693	2.596	11.7	21.4
4 11	10 32.07	+ 2 37.7	1.764	2.589	15.3	21.6

325294 2008 HX_{23} 3 4.4 131.°19 0.°3/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.18	+ 0 35.0	1.866	2.699	13.5	20.8
2 11	11 16.72	+ 1 48.6	1.793	2.704	9.9	20.6
2 21	11 10.37	+ 3 19.8	1.744	2.708	5.7	20.3
3 2	11 2.82	+ 5 2.2	1.723	2.713	1.3	20.0
3 12	10 55.01	+ 6 47.1	1.732	2.718	3.3	20.2
3 22	10 47.89	+ 8 25.6	1.770	2.722	7.7	20.5
4 1	10 42.31	+ 9 50.3	1.834	2.726	11.6	20.7
4 11	10 38.84	+10 56.8	1.920	2.730	14.8	20.9

466633 2014 WZ_{22} 3 4.4 36.°29 0.°9/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.34	+ 6 38.1	1.492	2.348	15.0	21.4
2 11	11 19.31	+ 7 6.6	1.432	2.357	10.8	21.1
2 21	11 11.93	+ 7 46.2	1.395	2.365	6.0	20.9
3 2	11 3.12	+ 8 30.8	1.385	2.375	1.3	20.6
3 12	10 54.11	+ 9 12.9	1.401	2.385	4.4	20.8
3 22	10 46.10	+ 9 45.9	1.443	2.395	9.1	21.1
4 1	10 40.09	+10 5.3	1.510	2.406	13.3	21.4
4 11	10 36.69	+10 9.1	1.596	2.417	16.8	21.6

425060 2009 RN_3 3 4.4 114.°41 3.°7/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.72	− 5 50.4	2.181	2.968	13.4	21.5
2 11	11 21.12	− 6 8.3	2.112	2.986	10.5	21.4
2 21	11 12.73	− 6 10.4	2.066	3.004	7.2	21.2
3 2	11 3.27	− 5 57.8	2.048	3.021	4.4	21.0
3 12	10 53.64	− 5 33.5	2.060	3.038	4.1	21.1
3 22	10 44.75	− 5 2.0	2.101	3.054	6.6	21.2
4 1	10 37.38	− 4 28.5	2.170	3.070	9.7	21.5
4 11	10 32.04	− 3 57.7	2.263	3.085	12.5	21.7

131448 2001 QD_{128} 3 4.4 248.°83 3.°7/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.83	− 6 53.3	2.299	3.088	12.7	19.8
2 11	11 16.99	− 6 55.9	2.208	3.083	10.0	19.6
2 21	11 10.48	− 6 41.9	2.140	3.077	7.1	19.4
3 2	11 2.86	− 6 12.4	2.099	3.071	4.4	19.2
3 12	10 54.93	− 5 30.7	2.087	3.065	4.0	19.2
3 22	10 47.49	− 4 41.5	2.103	3.059	6.4	19.3
4 1	10 41.31	− 3 50.3	2.147	3.052	9.5	19.5
4 11	10 36.93	− 3 2.5	2.214	3.046	12.4	19.7

306487 1999 TW_{178} 3 4.4 104.°18 1.°8/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.05	+ 8 6.8	1.729	2.578	13.6	20.5
2 11	11 20.22	+ 9 4.2	1.674	2.596	9.7	20.3
2 21	11 12.33	+10 10.5	1.644	2.614	5.4	20.1
3 2	11 3.20	+11 18.5	1.642	2.631	1.9	19.9
3 12	10 53.97	+12 20.2	1.669	2.648	4.7	20.1
3 22	10 45.69	+13 9.3	1.723	2.664	8.8	20.4
4 1	10 39.24	+13 41.9	1.803	2.680	12.5	20.7
4 11	10 35.16	+13 56.9	1.903	2.695	15.6	20.9

187794 1999 CM_{28} 3 4.4 11.°22 3.°8/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.27	+12 8.9	1.236	2.115	15.9	18.9
2 11	11 18.23	+12 59.8	1.182	2.118	11.4	18.6
2 21	11 11.49	+13 57.8	1.149	2.122	6.6	18.3
3 2	11 3.07	+14 53.3	1.141	2.127	3.8	18.2
3 12	10 54.39	+15 36.4	1.158	2.133	6.9	18.4
3 22	10 46.88	+16 0.4	1.198	2.140	11.6	18.7
4 1	10 41.67	+16 2.0	1.260	2.149	15.9	18.9
4 11	10 39.39	+15 41.8	1.340	2.158	19.6	19.2

365985 2012 BF_{74} 3 4.4 153.°45 0.°7/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.99	+ 5 12.4	2.013	2.850	12.5	21.6
2 11	11 19.33	+ 6 6.9	1.943	2.858	9.0	21.4
2 21	11 11.80	+ 7 12.4	1.899	2.866	5.0	21.2
3 2	11 3.11	+ 8 23.1	1.883	2.873	1.0	20.9
3 12	10 54.21	+ 9 32.1	1.898	2.880	3.7	21.1
3 22	10 46.03	+10 32.8	1.941	2.886	7.7	21.4
4 1	10 39.40	+11 20.6	2.011	2.891	11.3	21.6
4 11	10 34.86	+11 52.9	2.103	2.896	14.3	21.8

208985 2003 AT_{11} 3 4.4 66.°20 0.°4/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.08	+ 1 16.6	2.079	2.909	12.4	20.1
2 11	11 16.33	+ 2 10.3	2.025	2.934	9.0	20.0
2 21	11 9.99	+ 3 16.8	1.996	2.959	5.2	19.8
3 2	11 2.74	+ 4 31.0	1.995	2.985	1.3	19.6
3 12	10 55.43	+ 5 46.1	2.024	3.010	2.9	19.7
3 22	10 48.85	+ 6 55.9	2.082	3.035	6.6	20.0
4 1	10 43.68	+ 7 55.2	2.166	3.060	10.0	20.3
4 11	10 40.37	+ 8 40.7	2.274	3.084	12.8	20.5

426932 2013 XL_{11} 3 4.4 91.°80 5.°5/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.69	+22 12.9	2.270	3.127	10.5	20.8
2 11	11 18.21	+23 26.3	2.226	3.143	7.9	20.7
2 21	11 11.06	+24 35.2	2.208	3.159	5.9	20.6
3 2	11 2.95	+25 32.8	2.219	3.175	5.7	20.6
3 12	10 54.78	+26 13.4	2.259	3.190	7.4	20.7
3 22	10 47.37	+26 34.3	2.325	3.206	9.8	20.9
4 1	10 41.44	+26 35.0	2.414	3.221	12.1	21.1
4 11	10 37.46	+26 17.1	2.524	3.236	14.2	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
132329 2002 GL_{31}			3 4.4 198.°75	0.°2/ 4.7 17		
	h m	° ′			°	m
2 1	11 23.02	+ 3 17.2	2.422	3.248	11.0	21.4
2 11	11 17.73	+ 3 47.8	2.337	3.245	8.0	21.2
2 21	11 10.85	+ 4 28.6	2.278	3.242	4.7	20.9
3 2	11 2.95	+ 5 15.9	2.248	3.238	1.0	20.7
3 12	10 54.79	+ 6 4.9	2.248	3.233	2.8	20.8
3 22	10 47.15	+ 6 50.8	2.278	3.228	6.3	21.0
4 1	10 40.73	+ 7 29.4	2.336	3.223	9.6	21.2
4 11	10 36.06	+ 7 57.8	2.417	3.217	12.4	21.4
123310 2000 VF_7			3 4.4	24.°65 5.°1/29.9 18		
2 1	11 25.30	+16 31.0	1.297	2.173	15.4	18.6
2 11	11 20.21	+17 13.1	1.253	2.186	11.2	18.4
2 21	11 12.49	+17 55.1	1.232	2.200	7.0	18.2
3 2	11 3.26	+18 27.9	1.235	2.215	5.2	18.1
3 12	10 53.98	+18 43.5	1.263	2.231	7.8	18.3
3 22	10 46.02	+18 38.3	1.316	2.248	11.8	18.6
4 1	10 40.42	+18 11.8	1.391	2.266	15.6	18.8
4 11	10 37.70	+17 26.4	1.483	2.284	18.8	19.1
109083 2001 QE_{27}			3 4.4	106.°73 2.°1/ 2.1 18		
2 1	11 23.19	+ 8 12.8	1.896	2.746	12.5	19.2
2 11	11 18.08	+ 9 34.4	1.839	2.762	8.9	19.0
2 21	11 11.10	+11 5.0	1.808	2.778	4.9	18.8
3 2	11 3.00	+12 36.9	1.805	2.793	2.1	18.7
3 12	10 54.75	+14 1.4	1.832	2.808	4.8	18.9
3 22	10 47.30	+15 11.9	1.888	2.822	8.6	19.1
4 1	10 41.45	+16 4.1	1.968	2.836	12.0	19.4
4 11	10 37.73	+16 36.4	2.070	2.850	14.9	19.6
281276 2007 RV_{35}			3 4.4	174.°50 1.°4/ 5.9 17		
2 1	11 21.58	− 0 39.5	2.389	3.204	11.5	21.3
2 11	11 16.69	− 0 12.5	2.306	3.205	8.6	21.1
2 21	11 10.26	+ 0 27.3	2.249	3.206	5.3	20.9
3 2	11 2.85	+ 1 17.0	2.221	3.207	2.0	20.7
3 12	10 55.21	+ 2 11.8	2.222	3.208	2.6	20.7
3 22	10 48.10	+ 3 6.7	2.253	3.208	6.0	21.0
4 1	10 42.20	+ 3 56.6	2.311	3.208	9.3	21.2
4 11	10 38.02	+ 4 37.8	2.394	3.208	12.1	21.4
325494 2009 RK_{18}			3 4.4	246.°55 0.°6/ 5.0 17		
2 1	11 22.43	+ 1 6.6	2.020	2.849	12.8	21.1
2 11	11 17.67	+ 1 51.6	1.928	2.836	9.5	20.8
2 21	11 10.99	+ 2 52.1	1.860	2.823	5.6	20.6
3 2	11 3.02	+ 4 3.8	1.820	2.809	1.5	20.2
3 12	10 54.63	+ 5 20.2	1.809	2.795	3.1	20.3
3 22	10 46.77	+ 6 34.1	1.827	2.781	7.4	20.6
4 1	10 40.33	+ 7 39.0	1.872	2.766	11.3	20.8
4 11	10 35.94	+ 8 30.2	1.939	2.751	14.6	21.0
23452 Drew			3 4.4	128.°46 2.°3/ 2.2 18		
2 1	11 24.14	+ 1 14.5	1.207	2.061	17.9	18.1
2 11	11 19.72	+ 4 7.3	1.145	2.070	12.8	17.8
2 21	11 12.45	+ 7 30.9	1.107	2.079	7.0	17.5
3 2	11 3.32	+11 8.1	1.098	2.087	2.3	17.3
3 12	10 53.79	+14 36.5	1.117	2.095	6.7	17.6
3 22	10 45.37	+17 36.6	1.165	2.102	12.4	17.9
4 1	10 39.33	+19 56.7	1.236	2.109	17.3	18.2
4 11	10 36.41	+21 34.2	1.325	2.115	21.2	18.5
387807 2004 EM_9			3 4.4	283.°47 9.°2/20.9 18		
2 1	11 24.30	+34 24.0	2.241	3.083	11.2	20.3
2 11	11 19.07	+36 3.3	2.190	3.073	9.7	20.2
2 21	11 11.78	+37 30.4	2.164	3.063	9.2	20.1
3 2	11 3.17	+38 36.6	2.164	3.053	9.8	20.1
3 12	10 54.27	+39 15.9	2.189	3.043	11.3	20.2
3 22	10 46.12	+39 26.0	2.236	3.033	13.2	20.3
4 1	10 39.65	+39 8.0	2.304	3.023	15.1	20.5
4 11	10 35.46	+38 25.4	2.387	3.013	16.8	20.6
301542 2009 FL_{62}			3 4.4	352.°19 4.°4/ 9.1 17		
2 1	11 17.25	− 9 21.7	1.840	2.638	15.1	20.2
2 11	11 14.02	− 8 58.1	1.755	2.633	12.0	20.0
2 21	11 8.93	− 8 9.9	1.692	2.628	8.6	19.7
3 2	11 2.62	− 6 59.2	1.653	2.625	5.4	19.5
3 12	10 55.98	− 5 31.5	1.642	2.622	4.6	19.5
3 22	10 49.95	− 3 54.9	1.658	2.620	7.2	19.6
4 1	10 45.37	− 2 18.2	1.700	2.618	10.7	19.8
4 11	10 42.86	− 0 49.9	1.766	2.618	14.1	20.0
120503 1993 RW_3			3 4.4	178.°47 3.°7/ 8.3 16		
2 1	11 25.83	− 7 33.5	2.452	3.227	12.4	20.8
2 11	11 19.76	− 7 38.4	2.363	3.229	9.8	20.7
2 21	11 12.03	− 7 27.2	2.299	3.231	7.0	20.5
3 2	11 3.22	− 7 1.0	2.262	3.231	4.4	20.3
3 12	10 54.13	− 6 22.8	2.256	3.232	4.0	20.3
3 22	10 45.57	− 5 37.0	2.279	3.231	6.2	20.4
4 1	10 38.28	− 4 48.8	2.331	3.229	9.1	20.6
4 11	10 32.81	− 4 3.2	2.407	3.227	11.9	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
501587 2014 QE_{124}			3 4.4	270.°81 0.°3/ 4.6 18		
	h m	° ′			°	m
2 1	11 26.13	+ 3 32.3	1.530	2.374	15.3	21.5
2 11	11 20.93	+ 3 53.6	1.443	2.359	11.3	21.3
2 21	11 13.12	+ 4 30.4	1.378	2.344	6.7	20.9
3 2	11 3.48	+ 5 17.8	1.339	2.329	1.5	20.6
3 12	10 53.23	+ 6 8.8	1.328	2.314	4.0	20.7
3 22	10 43.70	+ 6 55.6	1.343	2.298	9.3	21.0
4 1	10 36.12	+ 7 31.6	1.382	2.282	14.0	21.2
4 11	10 31.32	+ 7 52.5	1.442	2.266	18.1	21.4
303333 2004 TY_{131}			3 4.4	182.°17 0.°7/ 5.1 18		
2 1	11 25.55	+ 0 55.8	1.960	2.784	13.3	21.4
2 11	11 19.88	+ 1 40.9	1.880	2.785	9.8	21.1
2 21	11 12.22	+ 2 41.3	1.824	2.786	5.8	20.9
3 2	11 3.27	+ 3 52.5	1.796	2.786	1.5	20.6
3 12	10 54.01	+ 5 7.4	1.799	2.785	3.2	20.7
3 22	10 45.42	+ 6 18.8	1.830	2.783	7.4	21.0
4 1	10 38.39	+ 7 20.6	1.889	2.780	11.3	21.2
4 11	10 33.55	+ 8 8.4	1.970	2.777	14.6	21.4
496097 2009 TX_{44}			3 4.4	157.°11 4.°5/ 9.6 18		
2 1	11 22.80	−11 16.0	2.341	3.104	13.3	22.3
2 11	11 17.63	−11 2.5	2.257	3.111	10.7	22.1
2 21	11 10.82	−10 28.9	2.196	3.117	7.9	21.9
3 2	11 2.99	− 9 36.3	2.162	3.123	5.3	21.8
3 12	10 54.92	− 8 28.7	2.157	3.129	4.6	21.7
3 22	10 47.42	− 7 11.9	2.181	3.133	6.4	21.9
4 1	10 41.21	− 5 52.5	2.233	3.138	9.2	22.0
4 11	10 36.81	− 4 37.0	2.310	3.141	11.9	22.2
114670 2003 FT_{44}			3 4.4	102.°42 5.°7/28.9 18		
2 1	11 30.32	+21 5.5	1.817	2.672	12.7	19.1
2 11	11 23.37	+21 44.5	1.759	2.678	9.5	18.9
2 21	11 14.17	+22 19.0	1.726	2.683	6.6	18.7
3 2	11 3.64	+22 41.3	1.721	2.689	5.7	18.7
3 12	10 52.99	+22 45.9	1.744	2.694	7.7	18.8
3 22	10 43.39	+22 30.1	1.793	2.699	10.8	19.0
4 1	10 35.79	+21 54.5	1.867	2.704	13.9	19.2
4 11	10 30.75	+21 1.8	1.960	2.709	16.6	19.4
203402 2001 XE_{167}			3 4.4	14.°78 2.°6/ 6.3 18		
2 1	11 23.96	− 1 37.8	1.317	2.157	17.6	19.9
2 11	11 19.44	− 1 27.7	1.248	2.158	13.3	19.6
2 21	11 12.25	− 0 55.3	1.200	2.160	8.4	19.3
3 2	11 3.30	− 0 4.3	1.176	2.162	3.6	19.1
3 12	10 53.95	+ 0 57.5	1.177	2.164	4.2	19.1
3 22	10 45.58	+ 2 1.0	1.204	2.167	9.1	19.4
4 1	10 39.39	+ 2 57.4	1.255	2.170	13.9	19.7
4 11	10 36.13	+ 3 39.9	1.325	2.174	18.1	19.9
6654 Luleå			3 4.4	77.°69 0.°7/ 3.7 18		
2 1	11 21.03	+ 5 26.9	2.239	3.079	11.3	18.2
2 11	11 16.29	+ 6 16.5	2.179	3.095	8.1	18.0
2 21	11 10.01	+ 7 15.2	2.144	3.112	4.5	17.8
3 2	11 2.83	+ 8 17.8	2.138	3.129	0.9	17.6
3 12	10 55.54	+ 9 18.5	2.162	3.145	3.2	17.8
3 22	10 48.90	+10 12.1	2.215	3.162	6.8	18.0
4 1	10 43.57	+10 54.4	2.295	3.178	9.9	18.3
4 11	10 40.01	+11 23.4	2.398	3.194	12.6	18.5
453044 2007 TB_{47}			3 4.4	67.°93 3.°3/ 7.2 18		
2 1	11 25.93	− 4 55.0	1.445	2.264	17.4	21.1
2 11	11 20.37	− 4 29.3	1.396	2.293	13.2	20.9
2 21	11 12.50	− 3 40.0	1.369	2.321	8.6	20.7
3 2	11 3.32	− 2 31.7	1.368	2.350	4.3	20.5
3 12	10 54.10	− 1 12.9	1.393	2.378	4.1	20.6
3 22	10 46.05	+ 0 7.1	1.445	2.406	8.1	20.9
4 1	10 40.09	+ 1 19.5	1.523	2.434	12.2	21.2
4 11	10 36.76	+ 2 18.2	1.622	2.462	15.7	21.5
47105 1999 CJ_{18}			3 4.4	86.°37 5.°4/27.5 18		
2 1	11 23.85	+20 52.6	2.104	2.964	11.1	17.8
2 11	11 18.49	+22 2.4	2.053	2.973	8.3	17.6
2 21	11 11.33	+23 9.1	2.028	2.983	6.0	17.5
3 2	11 3.10	+24 5.4	2.030	2.992	5.6	17.5
3 12	10 54.73	+24 45.0	2.061	3.001	7.4	17.6
3 22	10 47.16	+25 4.6	2.118	3.010	10.1	17.8
4 1	10 41.16	+25 3.5	2.199	3.019	12.7	18.0
4 11	10 37.22	+24 43.3	2.300	3.028	15.0	18.1
32547 Shandroff			3 4.4	191.°28 1.°4/ 3.2 18		
2 1	11 28.02	+ 7 35.7	1.815	2.658	13.3	19.8
2 11	11 21.82	+ 8 20.6	1.739	2.657	9.6	19.6
2 21	11 13.40	+ 9 15.4	1.687	2.655	5.4	19.3
3 2	11 3.53	+10 13.9	1.663	2.653	1.5	19.0
3 12	10 53.31	+11 8.7	1.669	2.649	4.4	19.2
3 22	10 43.87	+11 53.5	1.703	2.645	8.8	19.5
4 1	10 36.20	+12 23.8	1.762	2.640	12.7	19.7
4 11	10 30.95	+12 37.6	1.843	2.634	16.1	19.9

358020 2006 DC_{185} 3 4.4 254.°56 0.°6/ 4.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.03	+ 2 50.5	1.796	2.628	13.9	21.7
2 11	11 21.34	+ 3 11.6	1.698	2.608	10.4	21.4
2 21	11 13.28	+ 3 46.8	1.624	2.588	6.2	21.1
3 2	11 3.54	+ 4 32.3	1.578	2.568	1.5	20.7
3 12	10 53.19	+ 5 21.9	1.560	2.546	3.6	20.8
3 22	10 43.40	+ 6 9.1	1.571	2.524	8.4	21.1
4 1	10 35.28	+ 6 47.8	1.608	2.502	12.8	21.3
4 11	10 29.62	+ 7 13.6	1.666	2.478	16.6	21.5

144426 2004 EG_{23} 3 4.4 225.°04 2.°4/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.89	+13 44.0	2.489	3.333	10.1	20.1
2 11	11 19.77	+14 4.8	2.409	3.328	7.3	20.0
2 21	11 12.02	+14 27.2	2.356	3.322	4.3	19.7
3 2	11 3.24	+14 47.0	2.332	3.316	2.4	19.6
3 12	10 54.25	+15 0.0	2.339	3.310	4.3	19.7
3 22	10 45.84	+15 3.1	2.375	3.304	7.4	19.9
4 1	10 38.73	+14 54.8	2.438	3.297	10.3	20.1
4 11	10 33.45	+14 34.7	2.524	3.290	12.9	20.3

500818 2013 GZ_{97} 3 4.4 310.°43 1.°4/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.73	+ 1 0.6	1.337	2.187	16.8	21.2
2 11	11 18.78	+ 1 17.2	1.249	2.167	12.6	20.9
2 21	11 12.06	+ 1 54.1	1.182	2.147	7.7	20.6
3 2	11 3.32	+ 2 47.6	1.139	2.128	2.4	20.2
3 12	10 53.85	+ 3 50.0	1.121	2.109	4.1	20.2
3 22	10 45.09	+ 4 51.9	1.129	2.090	9.8	20.5
4 1	10 38.40	+ 5 44.4	1.159	2.072	15.0	20.7
4 11	10 34.72	+ 6 21.0	1.209	2.055	19.6	21.0

381146 2007 FD_{33} 3 4.4 292.°82 0.°0/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.27	+ 3 0.6	1.785	2.627	13.5	20.7
2 11	11 17.08	+ 3 47.8	1.694	2.611	10.0	20.5
2 21	11 10.78	+ 4 51.0	1.628	2.595	5.8	20.2
3 2	11 3.04	+ 6 4.9	1.588	2.578	1.1	19.8
3 12	10 54.82	+ 7 21.9	1.577	2.562	3.6	20.0
3 22	10 47.18	+ 8 34.0	1.593	2.546	8.3	20.2
4 1	10 41.11	+ 9 34.2	1.634	2.530	12.5	20.4
4 11	10 37.29	+10 18.0	1.697	2.514	16.2	20.6

488259 2016 EN_{119} 3 4.4 192.°43 4.°5/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.59	+18 58.3	2.398	3.247	10.3	21.1
2 11	11 20.38	+20 4.5	2.328	3.245	7.6	20.9
2 21	11 12.41	+21 10.0	2.285	3.242	5.2	20.8
3 2	11 3.33	+22 8.2	2.272	3.238	4.6	20.7
3 12	10 54.01	+22 52.9	2.288	3.234	6.4	20.8
3 22	10 45.32	+23 20.6	2.333	3.229	9.1	21.0
4 1	10 38.04	+23 29.7	2.403	3.223	11.8	21.2
4 11	10 32.72	+23 20.9	2.494	3.216	14.1	21.3

497559 2006 DG_{133} 3 4.4 295.°24 2.°2/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.03	+10 57.5	1.866	2.720	12.6	20.9
2 11	11 19.74	+11 26.0	1.778	2.702	9.1	20.6
2 21	11 12.28	+12 0.5	1.714	2.683	5.2	20.3
3 2	11 3.33	+12 35.5	1.678	2.665	2.2	20.1
3 12	10 53.94	+13 4.7	1.670	2.648	4.9	20.2
3 22	10 45.17	+13 22.9	1.690	2.630	9.0	20.4
4 1	10 38.02	+13 26.9	1.734	2.612	12.9	20.6
4 11	10 33.21	+13 15.4	1.800	2.595	16.2	20.8

385903 2006 SU_{357} 3 4.4 344.°11 4.°7/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.12	+20 11.3	2.221	3.076	10.7	20.7
2 11	11 19.38	+20 50.6	2.155	3.074	8.0	20.6
2 21	11 11.84	+21 27.3	2.115	3.073	5.5	20.4
3 2	11 3.21	+21 55.2	2.103	3.071	4.8	20.4
3 12	10 54.41	+22 9.3	2.120	3.070	6.5	20.5
3 22	10 46.34	+22 6.9	2.165	3.069	9.3	20.6
4 1	10 39.78	+21 47.4	2.234	3.068	12.0	20.8
4 11	10 35.24	+21 11.9	2.324	3.067	14.4	21.0

60201 1999 VD_{58} 3 4.4 136.°99 2.°3/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.21	+11 20.6	2.206	3.054	11.1	19.4
2 11	11 18.66	+12 6.1	2.140	3.062	7.9	19.2
2 21	11 11.41	+12 56.2	2.101	3.069	4.5	19.0
3 2	11 3.13	+13 45.4	2.090	3.076	2.3	18.9
3 12	10 54.68	+14 27.8	2.110	3.083	4.5	19.1
3 22	10 46.92	+14 59.2	2.158	3.090	7.8	19.3
4 1	10 40.59	+15 16.8	2.231	3.096	10.9	19.5
4 11	10 36.19	+15 19.9	2.327	3.102	13.6	19.7

371048 2005 UD_{182} 3 4.4 210.°02 5.°8/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.34	+23 36.2	2.347	3.196	10.5	21.6
2 11	11 21.01	+24 43.9	2.278	3.189	8.1	21.5
2 21	11 12.81	+25 47.4	2.235	3.181	6.2	21.3
3 2	11 3.42	+26 39.5	2.222	3.173	6.0	21.3
3 12	10 53.76	+27 14.3	2.238	3.164	7.7	21.4
3 22	10 44.77	+27 28.5	2.280	3.155	10.2	21.5
4 1	10 37.29	+27 21.5	2.347	3.145	12.7	21.7
4 11	10 31.89	+26 55.2	2.434	3.134	14.9	21.8

386591 2009 FN_{52} 3 4.4 325.°17 1.°6/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 17.68	+ 6 23.6	1.938	2.792	12.1	20.0
2 11	11 14.31	+ 7 44.9	1.852	2.777	8.7	19.7
2 21	11 9.12	+ 9 19.8	1.791	2.762	4.8	19.5
3 2	11 2.71	+11 1.2	1.759	2.748	1.7	19.2
3 12	10 55.92	+12 40.3	1.756	2.734	4.5	19.4
3 22	10 49.67	+14 8.9	1.780	2.721	8.5	19.6
4 1	10 44.79	+15 20.7	1.830	2.708	12.3	19.8
4 11	10 41.91	+16 12.0	1.901	2.696	15.5	20.0

172566 2003 UH_{165} 3 4.4 248.°80 1.°8/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.14	− 1 31.4	1.963	2.778	13.6	21.0
2 11	11 19.80	− 1 3.5	1.860	2.759	10.3	20.7
2 21	11 12.34	− 0 18.1	1.782	2.738	6.5	20.4
3 2	11 3.36	+ 0 41.9	1.730	2.717	2.6	20.1
3 12	10 53.83	+ 1 50.9	1.709	2.695	3.3	20.1
3 22	10 44.77	+ 3 1.9	1.716	2.672	7.5	20.3
4 1	10 37.18	+ 4 7.6	1.750	2.648	11.7	20.5
4 11	10 31.81	+ 5 2.3	1.806	2.624	15.3	20.7

348823 2006 RS_{46} 3 4.4 231.°52 0.°5/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.28	+ 5 46.8	2.568	3.402	10.2	22.2
2 11	11 16.46	+ 6 24.0	2.480	3.394	7.3	22.0
2 21	11 10.16	+ 7 9.6	2.418	3.385	4.1	21.7
3 2	11 2.91	+ 7 59.5	2.386	3.376	0.8	21.5
3 12	10 55.39	+ 8 49.1	2.384	3.367	2.9	21.6
3 22	10 48.33	+ 9 33.7	2.412	3.357	6.3	21.8
4 1	10 42.39	+10 9.7	2.467	3.347	9.4	22.0
4 11	10 38.05	+10 34.4	2.545	3.337	12.1	22.2

18667 1998 FF_{62} 3 4.4 263.°91 1.°6/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.95	+ 9 45.3	1.913	2.760	12.6	18.3
2 11	11 20.98	+10 1.6	1.833	2.753	9.1	18.0
2 21	11 12.90	+10 23.6	1.778	2.746	5.1	17.8
3 2	11 3.46	+10 46.8	1.750	2.739	1.6	17.5
3 12	10 53.68	+11 5.6	1.752	2.733	4.2	17.7
3 22	10 44.63	+11 15.7	1.782	2.726	8.3	17.9
4 1	10 37.24	+11 14.3	1.838	2.719	12.1	18.1
4 11	10 32.15	+11 0.2	1.915	2.712	15.3	18.3

455178 1999 VL_{231} 3 4.4 111.°13 1.°0/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.03	+ 5 55.6	1.790	2.632	13.5	22.2
2 11	11 20.21	+ 6 45.3	1.731	2.649	9.7	22.0
2 21	11 12.38	+ 7 45.6	1.697	2.666	5.4	21.8
3 2	11 3.34	+ 8 50.3	1.692	2.682	1.2	21.6
3 12	10 54.16	+ 9 51.8	1.715	2.697	4.0	21.8
3 22	10 45.88	+10 43.7	1.766	2.712	8.2	22.1
4 1	10 39.37	+11 21.6	1.843	2.727	12.0	22.3
4 11	10 35.15	+11 43.4	1.942	2.741	15.1	22.6

498581 2008 PA_{18} 3 4.4 231.°25 5.°4/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.01	−11 35.1	2.258	3.019	13.8	20.9
2 11	11 18.71	−11 54.8	2.160	3.010	11.3	20.7
2 21	11 11.58	−11 55.2	2.086	3.001	8.6	20.5
3 2	11 3.21	−11 36.0	2.037	2.991	6.2	20.3
3 12	10 54.43	−10 59.4	2.016	2.982	5.5	20.2
3 22	10 46.12	−10 9.6	2.024	2.972	7.2	20.3
4 1	10 39.13	− 9 12.6	2.059	2.961	10.0	20.5
4 11	10 34.07	− 8 15.2	2.117	2.950	12.8	20.6

23763 1998 MP_{7} 3 4.4 225.°64 2.°5/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.25	− 3 25.1	1.979	2.788	13.8	19.1
2 11	11 19.05	− 3 4.0	1.887	2.779	10.6	18.9
2 21	11 11.84	− 2 24.9	1.818	2.769	6.9	18.6
3 2	11 3.27	− 1 30.3	1.776	2.759	3.3	18.4
3 12	10 54.29	− 0 25.5	1.764	2.749	3.4	18.4
3 22	10 45.86	+ 0 42.9	1.780	2.738	7.2	18.6
4 1	10 38.92	+ 1 47.8	1.823	2.726	11.0	18.8
4 11	10 34.13	+ 2 43.4	1.889	2.714	14.4	19.0

382709 2002 WX_{22} 3 4.4 31.°81 9.°1/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.46	+31 56.5	1.962	2.813	12.1	20.2
2 11	11 19.93	+33 22.3	1.922	2.818	10.2	20.1
2 21	11 12.26	+34 35.0	1.907	2.823	9.2	20.1
3 2	11 3.32	+35 26.0	1.917	2.829	9.6	20.1
3 12	10 54.27	+35 49.3	1.952	2.835	11.1	20.2
3 22	10 46.20	+35 43.4	2.011	2.841	13.2	20.4
4 1	10 40.02	+35 10.3	2.090	2.847	15.4	20.5
4 11	10 36.26	+34 14.1	2.185	2.854	17.2	20.7

248745 2006 QJ_{166} 3 4.4 212.°78 1.°1/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.45	+ 9 25.5	2.562	3.398	10.1	20.6
2 11	11 19.42	+ 9 37.8	2.478	3.394	7.3	20.4
2 21	11 11.83	+ 9 54.4	2.422	3.389	4.1	20.1
3 2	11 3.25	+10 11.8	2.395	3.384	1.2	19.9
3 12	10 54.44	+10 26.4	2.399	3.379	3.3	20.1
3 22	10 46.18	+10 34.9	2.433	3.374	6.6	20.3
4 1	10 39.15	+10 35.1	2.495	3.369	9.6	20.5
4 11	10 33.86	+10 25.7	2.580	3.363	12.2	20.6

468759 2011 HZ_{67} 3 4.4 279.°97 2.°0/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.12	− 2 37.0	2.038	2.854	13.1	21.9
2 11	11 16.78	− 2 7.8	1.939	2.836	10.0	21.6
2 21	11 10.56	− 1 20.8	1.863	2.817	6.4	21.4
3 2	11 3.03	− 0 18.8	1.814	2.799	2.8	21.1
3 12	10 55.05	+ 0 52.7	1.794	2.780	3.2	21.1
3 22	10 47.54	+ 2 6.9	1.803	2.761	7.0	21.3
4 1	10 41.38	+ 3 17.0	1.838	2.742	10.9	21.5
4 11	10 37.23	+ 4 16.8	1.896	2.723	14.3	21.7

337484 2001 SH_{80} 3 4.4 188.°57 1.°2/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.21	− 1 4.5	2.535	3.348	11.0	21.3
2 11	11 15.68	− 0 22.8	2.450	3.348	8.2	21.1
2 21	11 9.71	+ 0 32.2	2.390	3.347	5.0	20.9
3 2	11 2.83	+ 1 37.1	2.359	3.346	1.8	20.7
3 12	10 55.72	+ 2 46.8	2.358	3.344	2.5	20.8
3 22	10 49.09	+ 3 56.1	2.387	3.342	5.8	21.0
4 1	10 43.56	+ 4 59.7	2.445	3.340	8.9	21.2
4 11	10 39.63	+ 5 53.5	2.526	3.338	11.6	21.3

132039 2002 CY_{128} 3 4.4 300.°72 1.°0/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.17	+ 1 19.9	1.401	2.248	16.3	20.1
2 11	11 19.02	+ 1 44.9	1.312	2.229	12.2	19.8
2 21	11 12.18	+ 2 29.8	1.245	2.210	7.4	19.4
3 2	11 3.39	+ 3 30.5	1.202	2.191	2.1	19.0
3 12	10 53.90	+ 4 38.8	1.185	2.172	4.1	19.1
3 22	10 45.10	+ 5 45.5	1.194	2.154	9.6	19.4
4 1	10 38.30	+ 6 41.8	1.226	2.136	14.7	19.6
4 11	10 34.39	+ 7 21.3	1.278	2.118	19.1	19.8

454273 2014 HU_{10} 3 4.4 241.°15 0.°9/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.26	+ 5 32.4	1.602	2.447	14.7	22.4
2 11	11 21.70	+ 6 18.8	1.514	2.433	10.7	22.1
2 21	11 13.57	+ 7 19.7	1.450	2.418	6.1	21.8
3 2	11 3.65	+ 8 29.1	1.413	2.403	1.3	21.4
3 12	10 53.12	+ 9 38.0	1.404	2.387	4.5	21.6
3 22	10 43.29	+10 38.3	1.422	2.370	9.6	21.9
4 1	10 35.37	+11 23.3	1.465	2.352	14.2	22.1
4 11	10 30.17	+11 49.5	1.528	2.334	18.1	22.3

343381 2010 CW_{135} 3 4.4 37.°58 4.°1/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.74	+15 39.3	2.080	2.942	11.0	20.2
2 11	11 16.33	+16 59.7	2.019	2.946	8.0	20.0
2 21	11 10.17	+18 22.6	1.984	2.949	5.1	19.9
3 2	11 2.93	+19 40.2	1.978	2.953	4.2	19.8
3 12	10 55.48	+20 45.3	2.000	2.956	6.4	19.9
3 22	10 48.70	+21 32.9	2.050	2.960	9.4	20.1
4 1	10 43.35	+22 0.4	2.123	2.964	12.3	20.3
4 11	10 39.96	+22 7.8	2.217	2.969	14.8	20.5

339520 2005 GV_{155} 3 4.4 219.°80 3.°6/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.73	+16 42.4	2.438	3.290	10.0	21.4
2 11	11 18.29	+17 30.8	2.364	3.285	7.3	21.2
2 21	11 11.23	+18 19.8	2.317	3.280	4.7	21.0
3 2	11 3.14	+19 3.9	2.299	3.274	3.7	20.9
3 12	10 54.83	+19 37.8	2.310	3.268	5.5	21.0
3 22	10 47.10	+19 57.9	2.350	3.262	8.3	21.2
4 1	10 40.66	+20 2.5	2.415	3.256	11.1	21.4
4 11	10 36.03	+19 51.5	2.502	3.249	13.4	21.5

518890 2010 EL_{169} 3 4.4 258.°84 2.°6/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.99	+11 5.5	1.935	2.790	12.1	21.3
2 11	11 18.08	+12 0.8	1.863	2.788	8.6	21.1
2 21	11 11.24	+13 2.6	1.816	2.785	5.0	20.8
3 2	11 3.15	+14 4.3	1.797	2.783	2.6	20.7
3 12	10 54.79	+14 58.7	1.807	2.780	5.1	20.8
3 22	10 47.12	+15 40.1	1.844	2.777	8.8	21.0
4 1	10 41.01	+16 5.0	1.906	2.775	12.3	21.3
4 11	10 37.03	+16 12.3	1.989	2.772	15.3	21.5

196846 2003 SR_{257} 3 4.4 137.°49 1.°0/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.73	+ 6 46.4	2.113	2.956	11.7	20.7
2 11	11 17.70	+ 7 28.2	2.041	2.960	8.4	20.5
2 21	11 10.93	+ 8 18.8	1.995	2.963	4.7	20.3
3 2	11 3.09	+ 9 13.1	1.977	2.967	1.1	20.0
3 12	10 55.02	+10 5.1	1.988	2.970	3.6	20.2
3 22	10 47.60	+10 49.5	2.028	2.973	7.4	20.4
4 1	10 41.60	+11 22.4	2.094	2.976	10.8	20.7
4 11	10 37.54	+11 41.5	2.183	2.979	13.7	20.9

370726 2004 RH_{65} 3 4.4 194.°72 1.°9/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.65	+11 2.4	2.382	3.222	10.7	21.4
2 11	11 20.40	+11 31.0	2.302	3.220	7.7	21.2
2 21	11 12.43	+12 3.7	2.249	3.217	4.4	21.0
3 2	11 3.39	+12 36.0	2.226	3.213	1.9	20.8
3 12	10 54.10	+13 3.1	2.233	3.209	4.0	20.9
3 22	10 45.42	+13 21.3	2.270	3.205	7.4	21.1
4 1	10 38.10	+13 28.1	2.334	3.200	10.5	21.3
4 11	10 32.67	+13 22.6	2.421	3.194	13.2	21.5

266300 2007 BN_{90} 3 4.4 282.°72 1.°5/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.20	+ 0 34.7	1.805	2.635	14.0	21.0
2 11	11 19.25	+ 0 45.1	1.710	2.617	10.6	20.7
2 21	11 12.08	+ 1 10.8	1.638	2.598	6.5	20.4
3 2	11 3.36	+ 1 48.9	1.592	2.580	2.3	20.1
3 12	10 54.09	+ 2 34.0	1.575	2.561	3.4	20.2
3 22	10 45.38	+ 3 20.0	1.585	2.543	7.9	20.4
4 1	10 38.27	+ 4 0.7	1.621	2.524	12.1	20.6
4 11	10 33.50	+ 4 30.9	1.679	2.506	15.9	20.8

256399 2007 AU_7 3 4.4 46.°55 1.°3/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.98	+ 5 19.7	1.259	2.119	16.9	19.4
2 11	11 20.44	+ 6 29.7	1.232	2.158	12.0	19.2
2 21	11 12.52	+ 7 52.5	1.227	2.198	6.6	19.1
3 2	11 3.36	+ 9 18.1	1.248	2.238	1.5	18.8
3 12	10 54.40	+10 35.6	1.296	2.278	4.9	19.2
3 22	10 46.86	+11 37.0	1.369	2.319	9.7	19.5
4 1	10 41.63	+12 17.9	1.466	2.359	13.8	19.9
4 11	10 39.13	+12 37.6	1.582	2.399	17.1	20.2

386944 2011 QO_{43} 3 4.4 221.°11 3.°3/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.36	− 6 19.0	2.459	3.248	12.0	20.9
2 11	11 16.59	− 6 16.0	2.369	3.244	9.4	20.8
2 21	11 10.28	− 5 57.5	2.303	3.241	6.5	20.6
3 2	11 2.97	− 5 25.0	2.264	3.238	3.9	20.4
3 12	10 55.38	− 4 41.8	2.255	3.234	3.6	20.4
3 22	10 48.27	− 3 52.3	2.274	3.230	5.9	20.5
4 1	10 42.32	− 3 1.8	2.321	3.226	8.9	20.7
4 11	10 38.05	− 2 15.2	2.393	3.222	11.6	20.8

29282 1993 FM_{39} 3 4.4 177.°21 2.°3/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.77	+10 36.7	1.763	2.611	13.5	19.5
2 11	11 23.11	+11 14.3	1.692	2.613	9.7	19.3
2 21	11 14.16	+11 58.2	1.646	2.615	5.5	19.0
3 2	11 3.74	+12 41.9	1.628	2.616	2.3	18.8
3 12	10 53.03	+13 18.5	1.639	2.616	5.0	19.0
3 22	10 43.21	+13 42.7	1.678	2.616	9.2	19.2
4 1	10 35.28	+13 51.5	1.742	2.615	13.1	19.5
4 11	10 29.91	+13 44.1	1.828	2.613	16.4	19.7

278791 2008 SL_{198} 3 4.4 181.°25 0.°9/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.52	+ 6 39.3	2.303	3.142	11.0	21.3
2 11	11 17.46	+ 7 23.5	2.226	3.143	7.9	21.1
2 21	11 10.77	+ 8 16.1	2.175	3.143	4.4	20.9
3 2	11 3.06	+ 9 12.5	2.153	3.143	1.1	20.6
3 12	10 55.12	+10 6.9	2.161	3.142	3.4	20.8
3 22	10 47.75	+10 54.3	2.198	3.142	7.0	21.0
4 1	10 41.66	+11 30.8	2.262	3.141	10.2	21.2
4 11	10 37.38	+11 54.2	2.349	3.140	13.0	21.4

6137 Johnfletcher 3 4.4 94.°13 1.°0/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.97	+ 2 41.7	2.403	3.224	11.2	16.4
2 11	11 19.11	+ 2 36.1	2.327	3.230	8.3	16.3
2 21	11 11.66	+ 2 39.4	2.276	3.236	5.0	16.1
3 2	11 3.23	+ 2 49.1	2.254	3.242	1.6	15.8
3 12	10 54.61	+ 3 2.0	2.262	3.248	2.6	15.9
3 22	10 46.60	+ 3 14.6	2.300	3.254	6.1	16.1
4 1	10 39.88	+ 3 23.9	2.366	3.260	9.2	16.4
4 11	10 34.95	+ 3 27.2	2.455	3.265	12.0	16.5

465915 2010 VE_{192} 3 4.4 158.°38 2.°1/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.49	− 1 44.2	2.042	2.854	13.3	21.7
2 11	11 19.75	− 1 31.3	1.965	2.860	10.0	21.5
2 21	11 12.14	− 1 3.3	1.911	2.865	6.4	21.3
3 2	11 3.34	− 0 23.0	1.885	2.870	2.8	21.1
3 12	10 54.27	+ 0 24.6	1.889	2.874	3.2	21.1
3 22	10 45.88	+ 1 14.0	1.921	2.878	6.8	21.3
4 1	10 39.00	+ 1 59.5	1.981	2.881	10.4	21.5
4 11	10 34.21	+ 2 36.7	2.064	2.884	13.6	21.8

451008 2008 UX_{55} 3 4.4 96.°95 1.°0/ 3.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.14	+ 6 33.9	1.510	2.356	15.4	22.2
2 11	11 23.40	+ 7 7.5	1.458	2.378	11.0	22.0
2 21	11 14.26	+ 7 51.9	1.431	2.399	6.2	21.8
3 2	11 3.74	+ 8 40.3	1.430	2.421	1.3	21.5
3 12	10 53.16	+ 9 24.9	1.458	2.441	4.4	21.7
3 22	10 43.78	+ 9 59.6	1.513	2.461	9.1	22.1
4 1	10 36.59	+10 20.2	1.593	2.481	13.2	22.4
4 11	10 32.14	+10 25.3	1.693	2.500	16.6	22.6

258190 2001 SZ_{222} 3 4.4 108.°90 0.°0/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.61	+ 3 32.7	1.927	2.762	13.0	21.3
2 11	11 19.10	+ 4 13.0	1.864	2.777	9.4	21.1
2 21	11 11.74	+ 5 5.4	1.826	2.792	5.4	20.9
3 2	11 3.25	+ 6 4.5	1.816	2.807	1.1	20.6
3 12	10 54.62	+ 7 3.8	1.836	2.821	3.3	20.8
3 22	10 46.77	+ 7 57.2	1.884	2.834	7.4	21.1
4 1	10 40.52	+ 8 39.8	1.958	2.848	11.0	21.3
4 11	10 36.40	+ 9 8.8	2.054	2.861	14.1	21.5

35729 1999 GZ_4 3 4.4 305.°57 3.°0/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.94	− 3 16.3	1.384	2.219	17.2	17.7
2 11	11 18.12	− 2 58.3	1.297	2.203	13.3	17.5
2 21	11 11.66	− 2 15.5	1.230	2.187	8.7	17.1
3 2	11 3.31	− 1 10.5	1.187	2.172	4.0	16.8
3 12	10 54.29	+ 0 9.6	1.170	2.157	4.3	16.8
3 22	10 45.99	+ 1 34.6	1.178	2.142	9.2	17.0
4 1	10 39.67	+ 2 54.0	1.210	2.127	14.2	17.3
4 11	10 36.23	+ 3 59.1	1.262	2.114	18.6	17.5

306190 2011 NV_3 3 4.4 133.°45 1.°4/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.56	+ 0 17.1	1.918	2.735	13.8	21.7
2 11	11 21.97	+ 0 36.5	1.851	2.751	10.3	21.5
2 21	11 13.38	+ 1 10.1	1.808	2.767	6.2	21.3
3 2	11 3.58	+ 1 54.2	1.794	2.782	2.1	21.0
3 12	10 53.62	+ 2 42.9	1.810	2.796	3.1	21.1
3 22	10 44.50	+ 3 30.5	1.855	2.809	7.2	21.4
4 1	10 37.09	+ 4 11.4	1.926	2.821	10.9	21.7
4 11	10 31.96	+ 4 42.0	2.021	2.833	14.1	21.9

411421 2010 VC_{201} 3 4.4 106.°13 0.°5/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.44	+ 5 39.1	2.024	2.857	12.5	21.5
2 11	11 20.98	+ 6 11.6	1.968	2.881	9.0	21.3
2 21	11 12.72	+ 6 53.1	1.938	2.905	5.1	21.1
3 2	11 3.44	+ 7 38.6	1.937	2.927	1.0	20.8
3 12	10 54.10	+ 8 22.2	1.966	2.949	3.4	21.0
3 22	10 45.62	+ 8 59.1	2.024	2.971	7.3	21.3
4 1	10 38.77	+ 9 25.5	2.109	2.992	10.7	21.6
4 11	10 34.04	+ 9 39.7	2.216	3.012	13.5	21.8

145655 4740 P–L 3 4.4 197.°34 0.°0/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.22	+ 4 7.0	2.724	3.551	9.9	20.7
2 11	11 16.33	+ 4 35.1	2.640	3.549	7.2	20.5
2 21	11 10.06	+ 5 11.6	2.582	3.547	4.1	20.3
3 2	11 2.93	+ 5 53.1	2.554	3.544	0.8	20.0
3 12	10 55.59	+ 6 35.6	2.556	3.541	2.5	20.2
3 22	10 48.71	+ 7 15.0	2.589	3.538	5.7	20.4
4 1	10 42.88	+ 7 47.8	2.649	3.535	8.7	20.5
4 11	10 38.57	+ 8 11.6	2.733	3.531	11.2	20.7

101883 1999 NT_{36} 3 4.4 189.°62 3.°0/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.44	− 3 35.3	2.107	2.904	13.4	20.0
2 11	11 21.94	− 3 43.4	2.020	2.904	10.4	19.8
2 21	11 13.44	− 3 36.4	1.956	2.902	6.9	19.6
3 2	11 3.63	− 3 15.6	1.920	2.900	3.7	19.4
3 12	10 53.46	− 2 44.7	1.915	2.897	3.7	19.4
3 22	10 43.90	− 2 8.5	1.938	2.893	6.9	19.6
4 1	10 35.86	− 1 32.1	1.989	2.888	10.5	19.8
4 11	10 29.97	− 1 0.6	2.064	2.883	13.6	20.0

358015 2006 DD_{155} 3 4.4 289.°52 2.°6/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.20	− 2 33.6	1.463	2.295	16.6	20.9
2 11	11 18.91	− 2 14.2	1.376	2.281	12.7	20.6
2 21	11 12.06	− 1 31.9	1.310	2.268	8.2	20.3
3 2	11 3.40	− 0 29.8	1.269	2.255	3.6	20.0
3 12	10 54.13	+ 0 45.2	1.255	2.242	4.0	20.0
3 22	10 45.57	+ 2 3.6	1.267	2.229	8.9	20.3
4 1	10 38.95	+ 3 15.9	1.303	2.216	13.7	20.5
4 11	10 35.09	+ 4 14.4	1.359	2.203	18.0	20.7

357193 2002 FM_{13} 3 4.4 27.°48 5.°0/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.04	+14 53.5	1.085	1.966	17.4	19.5
2 11	11 21.92	+15 34.3	1.041	1.976	12.5	19.2
2 21	11 13.72	+16 17.7	1.017	1.988	7.6	19.0
3 2	11 3.68	+16 53.2	1.017	2.000	5.0	18.9
3 12	10 53.55	+17 11.2	1.041	2.014	8.0	19.1
3 22	10 44.94	+17 7.0	1.088	2.029	12.7	19.4
4 1	10 39.09	+16 40.0	1.156	2.044	17.1	19.7
4 11	10 36.55	+15 52.7	1.241	2.061	20.8	20.0

234837 2002 RT_{144} 3 4.4 201.°94 0.°4/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.15	+ 2 36.8	2.373	3.200	11.2	21.2
2 11	11 17.19	+ 3 6.3	2.290	3.197	8.2	21.0
2 21	11 10.64	+ 3 46.7	2.232	3.195	4.8	20.8
3 2	11 3.08	+ 4 34.3	2.202	3.192	1.2	20.5
3 12	10 55.27	+ 5 24.3	2.203	3.188	2.7	20.6
3 22	10 47.98	+ 6 11.7	2.233	3.185	6.3	20.8
4 1	10 41.91	+ 6 52.1	2.290	3.181	9.6	21.0
4 11	10 37.58	+ 7 22.4	2.371	3.177	12.4	21.2

110891 2001 UD_{113} 3 4.4 137.°81 1.°7/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.76	+ 9 15.6	2.076	2.920	11.9	19.8
2 11	11 19.88	+ 9 56.5	2.010	2.929	8.5	19.6
2 21	11 12.19	+10 43.8	1.970	2.939	4.7	19.4
3 2	11 3.39	+11 32.0	1.959	2.947	1.7	19.2
3 12	10 54.42	+12 15.2	1.978	2.956	4.1	19.4
3 22	10 46.20	+12 48.6	2.025	2.964	7.8	19.6
4 1	10 39.51	+13 9.1	2.099	2.971	11.2	19.9
4 11	10 34.88	+13 15.4	2.194	2.978	14.0	20.1

241144 2007 RH_{19} 3 4.4 244.°30 0.°1/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.25	+ 3 12.0	1.815	2.649	13.7	22.0
2 11	11 20.75	+ 3 48.7	1.720	2.632	10.2	21.7
2 21	11 12.97	+ 4 40.2	1.650	2.615	5.9	21.4
3 2	11 3.60	+ 5 41.7	1.607	2.597	1.2	21.1
3 12	10 53.66	+ 6 46.4	1.594	2.579	3.6	21.2
3 22	10 44.30	+ 7 46.8	1.608	2.560	8.4	21.5
4 1	10 36.58	+ 8 36.6	1.649	2.540	12.7	21.7
4 11	10 31.26	+ 9 11.5	1.711	2.519	16.4	21.9

70542 1999 TK_{123} 3 4.4 144.°62 1.°3/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.08	+ 7 14.0	1.996	2.836	12.4	20.0
2 11	11 20.18	+ 8 7.2	1.930	2.847	8.9	19.8
2 21	11 12.38	+ 9 9.4	1.890	2.858	4.9	19.6
3 2	11 3.44	+10 14.6	1.878	2.868	1.4	19.3
3 12	10 54.30	+11 15.8	1.897	2.877	4.0	19.6
3 22	10 45.93	+12 7.1	1.944	2.885	7.9	19.8
4 1	10 39.15	+12 44.5	2.018	2.893	11.5	20.0
4 11	10 34.51	+13 6.1	2.114	2.900	14.4	20.3

130432 2000 QM_4 3 4.4 103.°17 0.°6/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.29	+ 3 25.1	1.555	2.401	15.0	19.5
2 11	11 19.28	+ 4 35.7	1.495	2.414	10.8	19.3
2 21	11 12.02	+ 6 2.6	1.458	2.426	6.1	19.0
3 2	11 3.37	+ 7 37.9	1.448	2.439	1.1	18.7
3 12	10 54.51	+ 9 11.3	1.467	2.451	4.2	19.0
3 22	10 46.59	+10 33.8	1.512	2.462	9.0	19.3
4 1	10 40.58	+11 38.7	1.583	2.474	13.2	19.5
4 11	10 37.08	+12 22.7	1.674	2.485	16.6	19.8

36003 1999 NX_{24} 3 4.4 286.°37 2.°1/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.45	+ 8 43.9	1.505	2.364	14.7	18.3
2 11	11 20.57	+ 9 28.4	1.418	2.345	10.7	18.0
2 21	11 13.04	+10 24.6	1.354	2.325	6.1	17.7
3 2	11 3.63	+11 25.4	1.317	2.305	2.2	17.4
3 12	10 53.57	+12 21.9	1.306	2.286	5.4	17.5
3 22	10 44.22	+13 5.9	1.321	2.266	10.5	17.7
4 1	10 36.84	+13 31.9	1.360	2.246	15.1	18.0
4 11	10 32.28	+13 37.4	1.417	2.227	19.1	18.2

384992 2012 TG_{195} 3 4.4 47.°45 0.°0/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.12	+ 3 51.3	2.148	2.984	11.8	21.7
2 11	11 16.55	+ 4 27.4	2.073	2.987	8.6	21.4
2 21	11 10.31	+ 5 14.5	2.024	2.990	4.9	21.2
3 2	11 3.03	+ 6 8.1	2.002	2.993	1.0	20.9
3 12	10 55.53	+ 7 2.6	2.010	2.996	3.0	21.1
3 22	10 48.63	+ 7 52.4	2.047	2.998	6.8	21.4
4 1	10 43.07	+ 8 33.1	2.110	3.002	10.3	21.6
4 11	10 39.37	+ 9 1.5	2.196	3.005	13.2	21.8

83634 2001 SO_{324} 3 4.4 55.°75 4.°1/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.21	− 9 11.6	2.109	2.894	13.8	19.4
2 11	11 15.93	− 8 57.1	2.033	2.903	11.0	19.2
2 21	11 9.97	− 8 22.1	1.979	2.912	7.9	19.1
3 2	11 2.97	− 7 28.6	1.952	2.920	5.0	18.9
3 12	10 55.75	− 6 21.0	1.952	2.930	4.3	18.9
3 22	10 49.14	− 5 5.8	1.981	2.939	6.5	19.0
4 1	10 43.89	− 3 49.9	2.037	2.948	9.6	19.2
4 11	10 40.52	− 2 39.8	2.117	2.957	12.5	19.4

133642 2003 UG_{147} 3 4.4 208.°86 3.°7/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.99	− 9 42.6	2.526	3.296	12.2	20.2
2 11	11 16.34	− 9 19.8	2.430	3.291	9.8	20.1
2 21	11 10.17	− 8 38.4	2.357	3.285	7.0	19.9
3 2	11 3.02	− 7 40.0	2.312	3.279	4.5	19.7
3 12	10 55.58	− 6 28.4	2.297	3.273	3.9	19.6
3 22	10 48.59	− 5 9.0	2.311	3.266	5.9	19.8
4 1	10 42.73	− 3 48.1	2.353	3.259	8.8	19.9
4 11	10 38.51	− 2 31.8	2.421	3.251	11.5	20.1

341752 2007 VZ_{294} 3 4.4 144.°29 2.°7/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.70	− 5 43.9	2.491	3.283	11.8	21.4
2 11	11 16.07	− 5 20.6	2.409	3.289	9.1	21.2
2 21	11 9.98	− 4 41.6	2.352	3.294	6.1	21.0
3 2	11 2.98	− 3 49.2	2.322	3.299	3.4	20.9
3 12	10 55.78	− 2 47.7	2.322	3.304	3.1	20.8
3 22	10 49.08	− 1 42.3	2.351	3.309	5.7	21.0
4 1	10 43.54	− 0 38.4	2.409	3.313	8.6	21.2
4 11	10 39.62	+ 0 19.1	2.491	3.317	11.3	21.4

210871 2001 RY_{124} 3 4.4 80.°77 2.°1/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.75	+11 53.6	2.232	3.078	11.1	20.7
2 11	11 19.69	+12 19.7	2.177	3.097	7.9	20.5
2 21	11 11.99	+12 48.7	2.148	3.116	4.5	20.3
3 2	11 3.37	+13 16.0	2.148	3.135	2.1	20.2
3 12	10 54.70	+13 37.0	2.178	3.153	4.2	20.4
3 22	10 46.80	+13 48.3	2.237	3.172	7.4	20.6
4 1	10 40.38	+13 48.2	2.322	3.190	10.4	20.8
4 11	10 35.87	+13 36.2	2.430	3.208	13.0	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
490020	2008 SE_{270}		3 4.4	96.°98	4.°7/ 1.1	18
	h m	° ′			°	m
2 1	11 29.59	+15 6.8	1.414	2.279	15.1	21.3
2 11	11 23.34	+16 1.8	1.361	2.288	10.9	21.1
2 21	11 14.43	+16 59.2	1.330	2.297	6.7	20.8
3 2	11 3.89	+17 49.6	1.326	2.306	4.7	20.7
3 12	10 53.17	+18 24.1	1.348	2.315	7.4	20.9
3 22	10 43.68	+18 37.6	1.396	2.324	11.6	21.2
4 1	10 36.53	+18 28.9	1.467	2.333	15.5	21.4
4 11	10 32.34	+17 59.6	1.556	2.341	18.8	21.7
415849	2001 SR_{79}		3 4.4	110.°42	2.°2/ 6.4	18
2 1	11 27.09	− 1 25.4	1.976	2.788	13.7	21.4
2 11	11 20.89	− 1 21.3	1.910	2.806	10.3	21.2
2 21	11 12.79	− 1 2.6	1.869	2.823	6.5	21.0
3 2	11 3.56	− 0 32.1	1.855	2.839	2.9	20.8
3 12	10 54.17	+ 0 5.6	1.870	2.855	3.2	20.9
3 22	10 45.58	+ 0 44.9	1.914	2.871	6.8	21.1
4 1	10 38.62	+ 1 20.9	1.985	2.886	10.4	21.4
4 11	10 33.82	+ 1 49.2	2.080	2.900	13.5	21.6
158442	2002 CE_{85}		3 4.5	60.°83	1.°1/ 3.4	18
2 1	11 24.34	+ 7 18.7	1.796	2.645	13.2	20.5
2 11	11 19.16	+ 7 53.0	1.727	2.648	9.5	20.2
2 21	11 11.93	+ 8 36.8	1.682	2.651	5.3	20.0
3 2	11 3.41	+ 9 24.3	1.664	2.654	1.3	19.7
3 12	10 54.63	+10 8.9	1.675	2.657	4.1	19.9
3 22	10 46.64	+10 44.9	1.713	2.660	8.3	20.2
4 1	10 40.33	+11 8.1	1.776	2.663	12.1	20.4
4 11	10 36.30	+11 16.4	1.861	2.667	15.4	20.6
46732	1997 TD_{19}		3 4.5	215.°37	0.°1/ 4.6	18
2 1	11 21.82	+ 3 30.4	2.386	3.215	11.0	19.3
2 11	11 16.98	+ 4 5.6	2.301	3.211	8.0	19.1
2 21	11 10.56	+ 4 51.3	2.242	3.206	4.6	18.9
3 2	11 3.13	+ 5 43.5	2.211	3.201	1.0	18.6
3 12	10 55.44	+ 6 37.2	2.211	3.196	2.8	18.7
3 22	10 48.25	+ 7 27.3	2.240	3.191	6.4	19.0
4 1	10 42.27	+ 8 9.5	2.296	3.185	9.7	19.2
4 11	10 38.01	+ 8 40.6	2.376	3.179	12.5	19.3
258966	2002 SB_{23}		3 4.5	88.°53	0.°0/ 4.3	18
2 1	11 25.88	+ 2 45.6	1.768	2.602	14.0	21.2
2 11	11 20.08	+ 3 36.4	1.716	2.629	10.1	21.0
2 21	11 12.33	+ 4 40.5	1.690	2.655	5.8	20.8
3 2	11 3.47	+ 5 51.9	1.691	2.681	1.2	20.6
3 12	10 54.55	+ 7 2.7	1.721	2.706	3.4	20.8
3 22	10 46.58	+ 8 5.9	1.779	2.731	7.7	21.1
4 1	10 40.38	+ 8 56.4	1.864	2.755	11.5	21.4
4 11	10 36.44	+ 9 31.3	1.970	2.779	14.6	21.6
67864	2000 WD_{23}		3 4.5	181.°39	3.°2/ 1.4	18
2 1	11 25.92	+11 33.5	1.802	2.656	12.9	19.8
2 11	11 20.36	+12 45.4	1.733	2.657	9.2	19.5
2 21	11 12.65	+14 4.4	1.689	2.658	5.4	19.3
3 2	11 3.56	+15 22.3	1.674	2.658	3.2	19.2
3 12	10 54.16	+16 30.6	1.687	2.657	5.8	19.3
3 22	10 45.56	+17 22.7	1.728	2.656	9.7	19.5
4 1	10 38.69	+17 55.0	1.794	2.655	13.3	19.8
4 11	10 34.20	+18 6.6	1.879	2.652	16.4	20.0
306036	2010 EJ_{130}		3 4.5	190.°15	2.°4/ 2.3	18
2 1	11 28.51	+10 52.6	1.997	2.842	12.2	21.7
2 11	11 22.07	+11 41.1	1.921	2.841	8.8	21.5
2 21	11 13.57	+12 35.7	1.871	2.839	5.0	21.2
3 2	11 3.75	+13 30.1	1.850	2.836	2.4	21.1
3 12	10 53.61	+14 17.6	1.858	2.833	4.9	21.2
3 22	10 44.20	+14 52.7	1.896	2.828	8.7	21.4
4 1	10 36.44	+15 12.3	1.959	2.823	12.3	21.6
4 11	10 30.94	+15 15.6	2.044	2.817	15.3	21.8
491570	2012 RP_{11}		3 4.5	80.°46	0.°3/ 4.2	18
2 1	11 26.25	+ 6 32.6	2.350	3.181	11.1	20.9
2 11	11 19.95	+ 6 41.9	2.293	3.205	8.0	20.7
2 21	11 12.12	+ 6 57.6	2.263	3.228	4.5	20.5
3 2	11 3.42	+ 7 16.2	2.261	3.252	0.9	20.3
3 12	10 54.69	+ 7 34.0	2.291	3.275	2.9	20.5
3 22	10 46.69	+ 7 47.4	2.350	3.298	6.3	20.7
4 1	10 40.10	+ 7 54.0	2.436	3.320	9.4	21.0
4 11	10 35.34	+ 7 52.1	2.547	3.343	12.0	21.2
82408	2001 NR_{10}		3 4.5	138.°97	1.°7/ 2.1	18
2 1	11 21.30	+ 9 45.3	2.779	3.621	9.3	19.7
2 11	11 16.34	+10 48.5	2.714	3.633	6.6	19.6
2 21	11 10.07	+11 56.7	2.677	3.645	3.7	19.4
3 2	11 3.03	+13 5.1	2.669	3.656	1.7	19.3
3 12	10 55.84	+14 8.4	2.693	3.667	3.6	19.4
3 22	10 49.17	+15 2.5	2.747	3.677	6.5	19.6
4 1	10 43.56	+15 44.3	2.828	3.687	9.1	19.8
4 11	10 39.45	+16 12.5	2.933	3.696	11.3	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
164243	2004 TX_{101}		3 4.5	259.°03	4.°0/ 1.6	18
	h m	° ′			°	m
2 1	11 28.92	+13 57.3	1.525	2.386	14.4	20.2
2 11	11 22.97	+14 41.0	1.451	2.377	10.5	20.0
2 21	11 14.35	+15 29.1	1.400	2.368	6.3	19.7
3 2	11 3.93	+16 13.4	1.375	2.358	4.0	19.5
3 12	10 53.04	+16 45.6	1.378	2.349	6.7	19.7
3 22	10 43.09	+16 59.7	1.407	2.339	11.1	19.9
4 1	10 35.26	+16 53.2	1.459	2.329	15.3	20.1
4 11	10 30.33	+16 26.8	1.530	2.319	18.9	20.3
56858	2000 QZ_{77}		3 4.5	270.°21	0.°4/ 4.1	18
2 1	11 23.08	+ 4 30.1	1.902	2.743	12.9	20.0
2 11	11 18.36	+ 5 13.4	1.809	2.726	9.4	19.8
2 21	11 11.57	+ 6 10.0	1.742	2.709	5.4	19.5
3 2	11 3.37	+ 7 14.8	1.701	2.692	1.0	19.2
3 12	10 54.70	+ 8 20.9	1.690	2.674	3.7	19.3
3 22	10 46.58	+ 9 21.3	1.707	2.657	8.1	19.6
4 1	10 39.95	+10 10.1	1.749	2.639	12.2	19.8
4 11	10 35.52	+10 43.4	1.813	2.621	15.6	19.9
258166	2001 SY_{104}		3 4.5	189.°62	0.°2/ 4.3	16
2 1	11 26.24	+ 5 10.6	2.342	3.170	11.3	22.3
2 11	11 20.17	+ 5 35.3	2.259	3.169	8.2	22.0
2 21	11 12.39	+ 6 8.8	2.202	3.167	4.7	21.8
3 2	11 3.51	+ 6 47.0	2.174	3.165	0.9	21.5
3 12	10 54.36	+ 7 25.4	2.177	3.161	3.0	21.7
3 22	10 45.79	+ 7 59.4	2.210	3.158	6.7	21.9
4 1	10 38.55	+ 8 25.3	2.271	3.153	10.1	22.1
4 11	10 33.19	+ 8 40.7	2.355	3.148	12.9	22.3
308353	2005 QX_{81}		3 4.5	138.°81	1.°0/ 3.4	18
2 1	11 24.38	+ 6 18.2	2.262	3.097	11.3	22.1
2 11	11 18.78	+ 7 12.8	2.195	3.111	8.1	21.9
2 21	11 11.55	+ 8 16.2	2.156	3.123	4.5	21.7
3 2	11 3.33	+ 9 22.8	2.146	3.136	1.1	21.5
3 12	10 54.96	+10 26.7	2.166	3.147	3.5	21.7
3 22	10 47.25	+11 22.3	2.216	3.158	7.0	21.9
4 1	10 40.90	+12 5.8	2.293	3.168	10.3	22.2
4 11	10 36.43	+12 35.1	2.393	3.178	13.0	22.4
148573	2001 QN_{268}		3 4.5	190.°75	5.°5/ 9.4	17
2 1	11 26.49	−10 32.9	2.108	2.875	14.4	20.6
2 11	11 20.62	−11 0.9	2.020	2.874	11.8	20.4
2 21	11 12.77	−11 9.5	1.953	2.873	8.8	20.2
3 2	11 3.61	−10 58.4	1.914	2.871	6.3	20.1
3 12	10 54.05	−10 29.7	1.902	2.869	5.6	20.0
3 22	10 45.07	− 9 47.9	1.918	2.866	7.5	20.1
4 1	10 37.56	− 8 59.1	1.962	2.863	10.4	20.3
4 11	10 32.17	− 8 10.0	2.029	2.860	13.3	20.5
204398	2004 TE_{296}		3 4.5	214.°17	0.°8/ 3.8	18
2 1	11 26.98	+ 5 47.2	1.825	2.665	13.4	21.1
2 11	11 21.19	+ 6 27.5	1.742	2.658	9.8	20.9
2 21	11 13.19	+ 7 19.6	1.683	2.651	5.5	20.6
3 2	11 3.71	+ 8 17.9	1.653	2.643	1.2	20.3
3 12	10 53.80	+ 9 15.2	1.651	2.634	4.0	20.5
3 22	10 44.59	+10 4.9	1.678	2.625	8.5	20.7
4 1	10 37.07	+10 41.9	1.731	2.615	12.5	20.9
4 11	10 31.93	+11 3.1	1.805	2.604	16.0	21.1
488724	2004 OR_{11}		3 4.5	224.°25	3.°1/ 1.6	17
2 1	11 26.79	+11 3.3	1.774	2.627	13.1	22.4
2 11	11 21.16	+12 14.7	1.693	2.617	9.5	22.2
2 21	11 13.23	+13 34.9	1.637	2.606	5.5	21.9
3 2	11 3.72	+14 55.8	1.610	2.595	3.1	21.7
3 12	10 53.75	+16 8.3	1.611	2.582	5.9	21.9
3 22	10 44.47	+17 5.0	1.640	2.570	10.0	22.1
4 1	10 36.95	+17 41.4	1.694	2.556	13.9	22.3
4 11	10 31.92	+17 56.3	1.767	2.542	17.3	22.5
58336	1994 VP		3 4.5	184.°45	3.°0/ 1.7	18
2 1	11 29.27	+12 36.5	1.959	2.806	12.3	20.2
2 11	11 22.65	+13 28.3	1.886	2.806	8.9	20.0
2 21	11 13.92	+14 24.8	1.840	2.806	5.2	19.8
3 2	11 3.84	+15 19.1	1.822	2.805	3.0	19.7
3 12	10 53.46	+16 4.1	1.833	2.804	5.4	19.8
3 22	10 43.87	+16 34.9	1.874	2.801	9.1	20.0
4 1	10 35.99	+16 48.7	1.940	2.797	12.6	20.2
4 11	10 30.45	+16 45.2	2.027	2.793	15.6	20.4
12874	Poisson		3 4.5	262.°81	0.°2/ 4.7	18
2 1	11 22.17	+ 3 14.2	2.064	2.899	12.3	18.2
2 11	11 17.46	+ 3 47.7	1.980	2.893	9.0	18.0
2 21	11 10.95	+ 4 33.4	1.921	2.886	5.2	17.8
3 2	11 3.24	+ 5 27.1	1.890	2.880	1.1	17.4
3 12	10 55.23	+ 6 22.8	1.888	2.874	3.1	17.6
3 22	10 47.78	+ 7 14.8	1.915	2.867	7.1	17.8
4 1	10 41.73	+ 7 57.9	1.968	2.861	10.8	18.0
4 11	10 37.65	+ 8 28.6	2.043	2.855	14.0	18.2

492699 2014 PW_{64} 3 4.5 231.°53 1.°8/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.40	+ 8 14.9	1.764	2.611	13.5	22.6
2 11	11 21.61	+ 9 1.0	1.679	2.599	9.8	22.3
2 21	11 13.49	+ 9 57.4	1.619	2.588	5.5	22.1
3 2	11 3.78	+10 57.7	1.586	2.575	1.8	21.8
3 12	10 53.58	+11 54.0	1.582	2.562	4.7	21.9
3 22	10 44.06	+12 39.6	1.606	2.548	9.2	22.2
4 1	10 36.31	+13 9.6	1.655	2.534	13.4	22.4
4 11	10 31.06	+13 22.0	1.725	2.519	16.9	22.6

2452 Lyot 3 4.5 331.°09 2.°2/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.06	+12 9.4	2.032	2.883	11.8	16.0
2 11	11 19.56	+12 25.9	1.953	2.876	8.5	15.7
2 21	11 12.14	+12 45.9	1.900	2.869	4.9	15.5
3 2	11 3.48	+13 4.5	1.875	2.862	2.2	15.3
3 12	10 54.54	+13 16.7	1.879	2.856	4.5	15.4
3 22	10 46.29	+13 18.9	1.911	2.850	8.2	15.7
4 1	10 39.56	+13 8.9	1.969	2.844	11.7	15.9
4 11	10 34.96	+12 46.2	2.048	2.839	14.7	16.0

341388 2007 TO_{128} 3 4.5 74.°52 0.°2/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.77	+ 3 20.9	2.174	3.006	11.9	21.6
2 11	11 17.62	+ 3 50.7	2.115	3.025	8.6	21.4
2 21	11 10.88	+ 4 30.9	2.080	3.045	5.0	21.2
3 2	11 3.21	+ 5 17.1	2.074	3.064	1.1	21.0
3 12	10 55.44	+ 6 4.2	2.098	3.084	2.8	21.1
3 22	10 48.37	+ 6 47.0	2.151	3.103	6.5	21.4
4 1	10 42.68	+ 7 21.7	2.230	3.122	9.8	21.7
4 11	10 38.84	+ 7 45.4	2.333	3.141	12.6	21.9

323773 2005 QW_{38} 3 4.5 191.°96 0.°4/ 4.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.46	+ 4 6.1	2.266	3.096	11.5	22.1
2 11	11 18.24	+ 5 0.8	2.183	3.095	8.3	21.9
2 21	11 11.33	+ 6 6.9	2.127	3.093	4.7	21.7
3 2	11 3.32	+ 7 19.4	2.099	3.090	0.9	21.4
3 12	10 55.03	+ 8 32.1	2.103	3.086	3.2	21.6
3 22	10 47.29	+ 9 38.9	2.136	3.082	7.0	21.8
4 1	10 40.86	+10 34.7	2.196	3.077	10.4	22.0
4 11	10 36.28	+11 16.4	2.279	3.072	13.3	22.2

32776 Nriag 3 4.5 247.°34 2.°7/ 1.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.24	+ 9 32.2	2.025	2.877	11.8	18.1
2 11	11 17.65	+11 0.3	1.940	2.863	8.4	17.9
2 21	11 11.13	+12 38.9	1.880	2.850	4.8	17.7
3 2	11 3.30	+14 20.3	1.850	2.836	2.7	17.5
3 12	10 55.06	+15 55.6	1.850	2.821	5.3	17.6
3 22	10 47.35	+17 17.3	1.879	2.807	9.1	17.8
4 1	10 41.07	+18 19.8	1.932	2.791	12.6	18.0
4 11	10 36.84	+19 1.2	2.007	2.776	15.6	18.2

393543 2002 VV_{96} 3 4.5 117.°37 4.°8/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.25	+15 16.4	1.543	2.403	14.4	21.7
2 11	11 23.60	+16 30.7	1.495	2.420	10.4	21.5
2 21	11 14.49	+17 47.0	1.471	2.437	6.5	21.3
3 2	11 3.94	+18 55.3	1.475	2.453	4.8	21.2
3 12	10 53.29	+19 46.8	1.506	2.468	7.4	21.4
3 22	10 43.84	+20 16.3	1.564	2.483	11.2	21.6
4 1	10 36.59	+20 22.4	1.645	2.497	14.8	21.9
4 11	10 32.12	+20 6.9	1.745	2.511	17.8	22.1

340710 2006 SB_{47} 3 4.5 157.°58 0.°9/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.67	+ 1 29.8	2.615	3.432	10.5	21.2
2 11	11 17.42	+ 1 44.1	2.535	3.436	7.8	21.1
2 21	11 10.76	+ 2 8.2	2.480	3.440	4.7	20.9
3 2	11 3.20	+ 2 39.3	2.455	3.443	1.5	20.6
3 12	10 55.45	+ 3 13.7	2.461	3.447	2.4	20.7
3 22	10 48.21	+ 3 47.5	2.496	3.450	5.6	20.9
4 1	10 42.10	+ 4 17.0	2.559	3.453	8.6	21.1
4 11	10 37.58	+ 4 39.2	2.647	3.455	11.2	21.3

98106 2000 RK_{91} 3 4.5 271.°17 0.°8/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.67	+ 3 15.1	1.536	2.377	15.5	19.3
2 11	11 22.09	+ 3 19.8	1.451	2.365	11.5	19.0
2 21	11 13.90	+ 3 38.5	1.388	2.353	6.9	18.7
3 2	11 3.88	+ 4 7.4	1.352	2.341	1.8	18.3
3 12	10 53.28	+ 4 40.6	1.343	2.329	3.8	18.4
3 22	10 43.45	+ 5 11.5	1.360	2.317	9.0	18.7
4 1	10 35.60	+ 5 34.3	1.402	2.305	13.7	18.9
4 11	10 30.54	+ 5 44.9	1.465	2.292	17.7	19.2

466816 2015 BK_{133} 3 4.5 161.°05 2.°1/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.64	+10 14.7	2.205	3.053	11.1	21.5
2 11	11 18.36	+11 5.2	2.135	3.056	7.9	21.3
2 21	11 11.37	+12 1.7	2.091	3.060	4.5	21.1
3 2	11 3.33	+12 58.5	2.076	3.063	2.1	21.0
3 12	10 55.07	+13 49.5	2.090	3.066	4.3	21.1
3 22	10 47.45	+14 29.9	2.134	3.068	7.8	21.3
4 1	10 41.21	+14 56.4	2.203	3.070	11.0	21.5
4 11	10 36.89	+15 7.8	2.294	3.072	13.7	21.7

470523 2008 CS_{190} 3 4.5 36.°81 0.°1/ 6.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 3.90	− 0 3.0	36.539	37.339	0.9	21.8
2 11	11 3.16	− 0 0.0	36.453	37.342	0.7	21.8
2 21	11 2.35	+ 0 3.7	36.395	37.345	0.4	21.8
3 2	11 1.50	+ 0 7.9	36.366	37.348	0.2	21.7
3 12	11 0.64	+ 0 12.5	36.367	37.352	0.2	21.7
3 22	10 59.81	+ 0 17.3	36.398	37.355	0.4	21.8
4 1	10 59.03	+ 0 22.0	36.459	37.358	0.7	21.8
4 11	10 58.33	+ 0 26.4	36.546	37.361	0.9	21.8

259101 2002 WS 3 4.5 14.°62 20.°8/ 7.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	12 19.82	+51 19.0	0.821	1.621	28.9	18.6
2 11	11 59.85	+50 17.6	0.792	1.637	25.8	18.4
2 21	11 34.10	+48 8.9	0.778	1.658	22.9	18.3
3 2	11 7.41	+44 37.3	0.783	1.681	21.1	18.3
3 12	10 44.63	+39 53.2	0.812	1.708	20.9	18.4
3 22	10 28.29	+34 28.4	0.864	1.739	22.5	18.7
4 1	10 18.69	+28 56.5	0.940	1.771	24.8	19.0
4 11	10 14.92	+23 41.2	1.035	1.807	27.1	19.3

200675 2001 TA_{154} 3 4.5 154.°78 2.°5/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.26	+ 9 38.2	1.769	2.619	13.3	21.6
2 11	11 21.31	+10 47.4	1.705	2.627	9.5	21.4
2 21	11 13.19	+12 5.2	1.665	2.634	5.4	21.2
3 2	11 3.71	+13 23.6	1.655	2.641	2.5	21.0
3 12	10 53.98	+14 33.9	1.673	2.647	5.3	21.2
3 22	10 45.12	+15 29.4	1.719	2.653	9.3	21.4
4 1	10 38.08	+16 6.1	1.790	2.658	13.1	21.7
4 11	10 33.44	+16 23.0	1.882	2.661	16.2	21.9

258118 2001 QG_{276} 3 4.5 158.°45 2.°6/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.51	+12 17.9	2.197	3.043	11.2	21.3
2 11	11 20.41	+13 5.6	2.130	3.050	8.0	21.1
2 21	11 12.53	+13 57.2	2.089	3.057	4.7	20.9
3 2	11 3.57	+14 46.8	2.078	3.062	2.6	20.8
3 12	10 54.42	+15 28.6	2.097	3.068	4.8	20.9
3 22	10 45.97	+15 58.3	2.144	3.072	8.1	21.2
4 1	10 39.01	+16 13.4	2.218	3.076	11.2	21.4
4 11	10 34.06	+16 13.4	2.313	3.080	13.9	21.6

285881 2001 OO_{77} 3 4.5 200.°69 2.°0/ 2.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.28	+10 45.7	2.378	3.218	10.7	21.8
2 11	11 20.23	+11 29.6	2.296	3.214	7.7	21.6
2 21	11 12.46	+12 18.7	2.241	3.208	4.4	21.4
3 2	11 3.57	+13 8.0	2.215	3.202	2.0	21.2
3 12	10 54.41	+13 51.7	2.221	3.195	4.2	21.3
3 22	10 45.81	+14 25.6	2.256	3.187	7.5	21.5
4 1	10 38.53	+14 46.7	2.317	3.179	10.7	21.7
4 11	10 33.15	+14 53.7	2.402	3.170	13.4	21.9

57492 2001 SR_{179} 3 4.5 152.°60 1.°4/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.07	+ 8 1.1	1.821	2.660	13.4	20.2
2 11	11 23.26	+ 8 37.4	1.754	2.670	9.7	20.0
2 21	11 14.27	+ 9 22.0	1.712	2.680	5.4	19.8
3 2	11 3.94	+10 9.1	1.699	2.688	1.5	19.5
3 12	10 53.39	+10 51.8	1.715	2.695	4.3	19.7
3 22	10 43.74	+11 24.7	1.760	2.702	8.5	20.0
4 1	10 35.93	+11 44.3	1.830	2.708	12.3	20.2
4 11	10 30.57	+11 49.0	1.923	2.713	15.5	20.4

119450 2001 TO_{174} 3 4.5 180.°60 4.°5/28.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.64	+19 29.1	2.381	3.227	10.4	20.5
2 11	11 21.89	+20 20.3	2.313	3.229	7.7	20.3
2 21	11 13.37	+21 9.6	2.273	3.230	5.3	20.2
3 2	11 3.75	+21 50.8	2.262	3.230	4.5	20.1
3 12	10 53.94	+22 18.6	2.281	3.229	6.3	20.2
3 22	10 44.83	+22 29.9	2.329	3.228	9.0	20.4
4 1	10 37.20	+22 23.8	2.402	3.226	11.7	20.6
4 11	10 31.59	+22 1.4	2.497	3.223	14.0	20.7

241434 2008 WU_{107} 3 4.5 59.°80 2.°8/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.10	− 3 27.8	1.318	2.152	17.9	20.5
2 11	11 19.49	− 2 59.7	1.259	2.165	13.6	20.3
2 21	11 12.32	− 2 6.6	1.221	2.178	8.7	20.0
3 2	11 3.56	− 0 53.5	1.207	2.192	3.9	19.8
3 12	10 54.55	+ 0 30.6	1.219	2.206	4.1	19.8
3 22	10 46.63	+ 1 55.0	1.257	2.220	8.8	20.1
4 1	10 40.89	+ 3 10.0	1.319	2.234	13.4	20.4
4 11	10 37.96	+ 4 8.7	1.401	2.249	17.3	20.7

502408 2015 BS_{253} 3 4.5 284.°81 0.°2/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.56	+ 2 45.4	1.960	2.797	12.8	21.2
2 11	11 17.12	+ 3 26.8	1.878	2.791	9.4	21.0
2 21	11 10.80	+ 4 22.0	1.820	2.786	5.4	20.8
3 2	11 3.26	+ 5 26.1	1.790	2.780	1.2	20.5
3 12	10 55.39	+ 6 32.7	1.789	2.775	3.2	20.6
3 22	10 48.12	+ 7 35.0	1.816	2.769	7.4	20.8
4 1	10 42.29	+ 8 27.2	1.869	2.764	11.2	21.1
4 11	10 38.51	+ 9 5.5	1.944	2.758	14.5	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
313107	2000 WF_{151}		3	4.5	115.°91	16.°1/18.9 18
	h m	° ′			°	m
2 1	11 28.97	−29 54.1	1.287	1.973	25.6	20.3
2 11	11 23.72	−31 21.3	1.224	1.984	23.3	20.1
2 21	11 15.12	−32 4.2	1.173	1.996	20.7	20.0
3 2	11 4.18	−31 54.1	1.138	2.006	18.2	19.8
3 12	10 52.58	−30 48.8	1.122	2.016	16.5	19.8
3 22	10 42.16	−28 54.7	1.125	2.026	16.2	19.8
4 1	10 34.49	−26 26.2	1.150	2.035	17.4	19.9
4 11	10 30.47	−23 42.5	1.194	2.044	19.6	20.0
309226	2007 PF_{44}		3	4.5	153.°44	2.°8/ 1.7 18
2 1	11 27.53	+11 34.1	2.019	2.865	12.0	21.7
2 11	11 21.27	+12 38.2	1.955	2.876	8.6	21.5
2 21	11 13.08	+13 47.7	1.918	2.885	5.0	21.3
3 2	11 3.70	+14 55.5	1.909	2.894	2.8	21.2
3 12	10 54.13	+15 54.5	1.931	2.902	5.2	21.4
3 22	10 45.35	+16 39.2	1.982	2.909	8.7	21.6
4 1	10 38.20	+17 6.7	2.058	2.915	12.0	21.8
4 11	10 33.23	+17 16.6	2.155	2.920	14.8	22.0
426782	2013 TP_{116}		3	4.5	177.°94	0.°9/ 5.4 17
2 1	11 24.13	+ 1 37.9	2.271	3.092	11.8	21.5
2 11	11 18.71	+ 1 58.0	2.190	3.093	8.7	21.3
2 21	11 11.59	+ 2 29.6	2.134	3.094	5.2	21.1
3 2	11 3.41	+ 3 9.4	2.106	3.095	1.6	20.9
3 12	10 54.98	+ 3 52.7	2.109	3.095	2.7	21.0
3 22	10 47.12	+ 4 34.7	2.141	3.095	6.4	21.2
4 1	10 40.58	+ 5 10.8	2.200	3.094	9.8	21.4
4 11	10 35.90	+ 5 37.6	2.283	3.093	12.7	21.6
370660	2004 CV_{51}		3	4.5	135.°92	0.°6/ 5.1 18
2 1	11 24.66	− 5 22.1	1.212	2.043	19.3	20.2
2 11	11 20.20	− 2 54.2	1.143	2.052	14.4	20.0
2 21	11 12.90	+ 0 13.7	1.097	2.060	8.6	19.7
3 2	11 3.71	+ 3 48.9	1.078	2.068	2.1	19.3
3 12	10 54.10	+ 7 30.2	1.089	2.075	4.6	19.5
3 22	10 45.59	+10 55.4	1.128	2.082	10.8	19.8
4 1	10 39.45	+13 47.8	1.192	2.088	16.1	20.2
4 11	10 36.42	+15 59.7	1.277	2.094	20.5	20.5
195289	2002 EZ_{82}		3	4.5	180.°52	0.°8/ 3.8 17
2 1	11 26.95	+ 7 41.5	2.099	2.937	12.0	20.5
2 11	11 20.84	+ 7 55.2	2.022	2.938	8.7	20.3
2 21	11 12.85	+ 8 15.8	1.971	2.938	4.9	20.0
3 2	11 3.67	+ 8 39.2	1.948	2.938	1.1	19.7
3 12	10 54.23	+ 9 0.5	1.955	2.938	3.5	19.9
3 22	10 45.49	+ 9 15.8	1.991	2.937	7.4	20.2
4 1	10 38.26	+ 9 22.0	2.054	2.937	10.9	20.4
4 11	10 33.12	+ 9 17.4	2.139	2.936	13.9	20.6
253076	2002 TD_{167}		3	4.5	156.°53	7.°8/12.7 18
2 1	11 24.19	−18 41.2	2.016	2.741	16.3	21.1
2 11	11 19.06	−18 57.2	1.932	2.746	13.9	20.9
2 21	11 11.94	−18 46.3	1.867	2.750	11.3	20.8
3 2	11 3.50	−18 7.0	1.827	2.755	8.9	20.6
3 12	10 54.71	−17 2.0	1.812	2.759	7.8	20.5
3 22	10 46.58	−15 37.1	1.825	2.762	8.6	20.6
4 1	10 40.00	−14 0.8	1.864	2.765	10.9	20.7
4 11	10 35.60	−12 22.6	1.926	2.768	13.5	20.9
4105	Tsia		3	4.5	279.°15	2.°3/ 6.7 18
2 1	11 22.01	− 2 52.7	1.963	2.778	13.6	17.3
2 11	11 17.59	− 2 27.8	1.862	2.759	10.4	17.0
2 21	11 11.17	− 1 44.6	1.785	2.739	6.8	16.8
3 2	11 3.37	− 0 45.5	1.735	2.720	3.1	16.5
3 12	10 55.07	+ 0 24.0	1.714	2.700	3.3	16.5
3 22	10 47.24	+ 1 36.9	1.720	2.680	7.2	16.6
4 1	10 40.82	+ 2 46.1	1.754	2.659	11.2	16.8
4 11	10 36.50	+ 3 45.4	1.809	2.639	14.8	17.0
183819	2004 BF_{77}		3	4.5	174.°72	1.°3/ 3.4 18
2 1	11 29.15	+ 6 46.7	1.681	2.523	14.2	21.1
2 11	11 22.84	+ 7 34.6	1.609	2.527	10.3	20.9
2 21	11 14.16	+ 8 33.8	1.562	2.530	5.8	20.6
3 2	11 3.95	+ 9 37.8	1.542	2.532	1.5	20.4
3 12	10 53.41	+10 38.3	1.551	2.533	4.5	20.6
3 22	10 43.75	+11 28.4	1.588	2.533	9.1	20.8
4 1	10 36.01	+12 3.0	1.651	2.532	13.2	21.1
4 11	10 30.87	+12 20.1	1.734	2.530	16.7	21.3
39201	2000 XN_{12}		3	4.5	236.°95	1.°0/ 3.7 18
2 1	11 27.96	+ 7 7.3	1.748	2.591	13.7	18.9
2 11	11 22.03	+ 7 32.2	1.664	2.582	10.0	18.6
2 21	11 13.75	+ 8 7.0	1.604	2.572	5.7	18.3
3 2	11 3.89	+ 8 46.4	1.571	2.561	1.3	18.0
3 12	10 53.56	+ 9 24.0	1.568	2.551	4.2	18.2
3 22	10 43.96	+ 9 53.9	1.592	2.540	8.8	18.4
4 1	10 36.15	+10 11.5	1.641	2.528	13.0	18.7
4 11	10 30.86	+10 14.6	1.712	2.516	16.6	18.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
68966	2002 RA_{94}		3	4.5	240.°85	0.°2/ 4.3 18
	h m	° ′			°	m
2 1	11 26.36	+ 3 30.1	1.531	2.374	15.3	19.9
2 11	11 21.18	+ 4 16.6	1.446	2.363	11.3	19.7
2 21	11 13.41	+ 5 20.5	1.384	2.351	6.5	19.4
3 2	11 3.84	+ 6 35.8	1.348	2.339	1.3	19.0
3 12	10 53.68	+ 7 53.5	1.341	2.326	4.2	19.1
3 22	10 44.26	+ 9 4.3	1.360	2.312	9.5	19.4
4 1	10 36.78	+10 0.7	1.404	2.298	14.2	19.7
4 11	10 32.07	+10 38.0	1.468	2.284	18.3	19.9
19996	1990 WZ		3	4.5	81.°45	2.°0/ 6.6 18
2 1	11 21.27	− 3 5.1	1.942	2.758	13.7	18.3
2 11	11 16.85	− 2 27.3	1.867	2.764	10.4	18.1
2 21	11 10.62	− 1 31.3	1.815	2.770	6.6	17.9
3 2	11 3.23	− 0 20.8	1.791	2.776	2.9	17.7
3 12	10 55.60	+ 0 57.6	1.796	2.782	3.1	17.7
3 22	10 48.64	+ 2 16.6	1.829	2.788	6.8	17.9
4 1	10 43.14	+ 3 29.1	1.888	2.794	10.5	18.2
4 11	10 39.66	+ 4 29.9	1.971	2.800	13.8	18.4
377345	2004 RP_7		3	4.5	213.°47	2.°4/ 1.4 17
2 1	11 22.51	+10 5.3	2.449	3.293	10.2	21.2
2 11	11 17.54	+11 28.3	2.365	3.285	7.3	21.0
2 21	11 10.96	+12 58.9	2.309	3.277	4.2	20.8
3 2	11 3.31	+14 30.8	2.283	3.267	2.4	20.6
3 12	10 55.35	+15 57.0	2.288	3.257	4.6	20.8
3 22	10 47.85	+17 11.4	2.323	3.247	7.8	20.9
4 1	10 41.55	+18 9.9	2.384	3.236	10.8	21.1
4 11	10 36.97	+18 50.6	2.468	3.224	13.4	21.3
343594	2010 GJ_{97}		3	4.5	281.°27	1.°4/ 6.0 17
2 1	11 20.26	− 1 6.9	2.187	3.007	12.2	21.4
2 11	11 16.04	− 0 31.2	2.098	2.999	9.2	21.2
2 21	11 10.15	+ 0 19.7	2.033	2.991	5.7	21.0
3 2	11 3.15	+ 1 22.6	1.996	2.982	2.1	20.7
3 12	10 55.83	+ 2 31.8	1.988	2.974	2.8	20.8
3 22	10 49.02	+ 3 41.2	2.009	2.966	6.5	21.0
4 1	10 43.47	+ 4 44.7	2.057	2.958	10.0	21.2
4 11	10 39.74	+ 5 37.6	2.128	2.950	13.1	21.4
199040	2005 WS_{154}		3	4.5	12.°69	3.°5/ 2.0 18
2 1	11 25.47	+10 46.5	1.232	2.104	16.4	20.2
2 11	11 20.77	+11 44.3	1.172	2.105	11.8	20.0
2 21	11 13.21	+12 52.0	1.134	2.106	6.8	19.7
3 2	11 3.78	+13 59.6	1.121	2.108	3.5	19.5
3 12	10 54.00	+14 56.1	1.133	2.110	6.8	19.7
3 22	10 45.37	+15 33.5	1.170	2.113	11.8	20.0
4 1	10 39.14	+15 47.5	1.228	2.116	16.4	20.3
4 11	10 36.02	+15 38.1	1.304	2.119	20.2	20.5
87876	2000 SB_{271}		3	4.5	229.°31	1.°7/ 6.3 18
2 1	11 22.20	− 2 18.4	2.206	3.017	12.4	20.5
2 11	11 17.46	− 1 39.2	2.112	3.008	9.4	20.2
2 21	11 10.99	− 0 43.5	2.043	2.998	5.9	20.0
3 2	11 3.34	+ 0 25.6	2.002	2.988	2.4	19.8
3 12	10 55.34	+ 1 42.2	1.991	2.977	2.9	19.8
3 22	10 47.83	+ 3 0.0	2.009	2.966	6.5	20.0
4 1	10 41.60	+ 4 12.3	2.054	2.954	10.1	20.2
4 11	10 37.24	+ 5 14.0	2.124	2.942	13.3	20.4
293422	2007 EK_{112}		3	4.5	335.°01	1.°1/ 3.8 17
2 1	11 21.65	+ 6 48.6	0.984	1.866	18.7	20.3
2 11	11 18.75	+ 7 4.6	0.910	1.847	13.8	19.9
2 21	11 12.48	+ 7 37.1	0.856	1.829	7.9	19.5
3 2	11 3.73	+ 8 19.4	0.823	1.813	1.7	19.1
3 12	10 54.13	+ 9 0.9	0.812	1.798	5.7	19.3
3 22	10 45.56	+ 9 31.5	0.823	1.785	12.3	19.6
4 1	10 39.67	+ 9 43.8	0.853	1.774	18.2	19.8
4 11	10 37.48	+ 9 34.0	0.899	1.764	23.2	20.1
328913	2010 UY_{10}		3	4.5	89.°99	1.°5/ 5.9 18
2 1	11 25.81	− 0 43.2	1.822	2.643	14.2	21.6
2 11	11 20.07	− 0 12.1	1.766	2.668	10.6	21.4
2 21	11 12.40	+ 0 34.8	1.733	2.691	6.4	21.2
3 2	11 3.61	+ 1 33.1	1.728	2.715	2.3	21.0
3 12	10 54.73	+ 2 36.1	1.751	2.738	3.1	21.1
3 22	10 46.75	+ 3 37.0	1.804	2.760	7.2	21.4
4 1	10 40.47	+ 4 29.8	1.882	2.782	10.9	21.7
4 11	10 36.41	+ 5 10.6	1.984	2.804	14.0	21.9
39237	2000 YH_{61}		3	4.5	280.°34	5.°2/ 9.1 18
2 1	11 24.60	− 9 49.2	2.150	2.923	14.0	18.6
2 11	11 19.48	−10 10.6	2.035	2.895	11.5	18.4
2 21	11 12.32	−10 13.3	1.943	2.867	8.6	18.1
3 2	11 3.67	− 9 56.6	1.877	2.838	6.0	17.9
3 12	10 54.37	− 9 22.2	1.839	2.809	5.4	17.8
3 22	10 45.41	− 8 34.3	1.829	2.780	7.6	17.9
4 1	10 37.74	− 7 39.0	1.846	2.750	10.8	18.0
4 11	10 32.11	− 6 43.3	1.886	2.720	14.1	18.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
462256	2008 DG_{37}		3 4.5	41.°57	2.°4/ 2.9	18
	h m	° ′			°	m
2 1	11 30.24	+11 55.5	1.606	2.459	14.2	20.8
2 11	11 23.68	+12 5.7	1.539	2.462	10.3	20.6
2 21	11 14.66	+12 19.9	1.496	2.465	5.9	20.3
3 2	11 4.10	+12 32.1	1.480	2.468	2.4	20.1
3 12	10 53.28	+12 36.8	1.492	2.471	5.1	20.3
3 22	10 43.49	+12 30.0	1.532	2.474	9.5	20.5
4 1	10 35.78	+12 9.9	1.596	2.478	13.6	20.8
4 11	10 30.80	+11 36.4	1.680	2.481	17.0	21.0
8782	Bakhrakh		3 4.5	169.°66	0.°3/ 4.8	18
2 1	11 26.46	+ 2 54.0	2.079	2.905	12.6	18.6
2 11	11 20.52	+ 3 24.0	2.002	2.910	9.2	18.3
2 21	11 12.71	+ 4 5.7	1.950	2.913	5.4	18.1
3 2	11 3.70	+ 4 55.1	1.927	2.916	1.3	17.8
3 12	10 54.44	+ 5 46.5	1.933	2.919	3.0	18.0
3 22	10 45.84	+ 6 34.2	1.969	2.921	7.1	18.2
4 1	10 38.74	+ 7 13.5	2.032	2.922	10.7	18.4
4 11	10 33.72	+ 7 41.0	2.118	2.922	13.8	18.6
269830	2000 AA_{249}		3 4.5	149.°16	5.°6/26.8	18
2 1	11 24.40	+22 3.3	2.264	3.119	10.5	20.7
2 11	11 18.96	+23 24.0	2.209	3.125	8.0	20.6
2 21	11 11.77	+24 41.3	2.181	3.131	6.0	20.4
3 2	11 3.51	+25 47.7	2.182	3.136	5.8	20.4
3 12	10 55.07	+26 37.0	2.211	3.141	7.6	20.6
3 22	10 47.33	+27 5.7	2.267	3.146	10.1	20.7
4 1	10 41.05	+27 13.0	2.346	3.150	12.5	20.9
4 11	10 36.77	+27 0.3	2.445	3.154	14.7	21.1
92666	2000 QO_{51}		3 4.5	130.°12	0.°6/ 3.9	18
2 1	11 26.01	+ 4 41.3	1.587	2.432	14.8	19.7
2 11	11 20.63	+ 5 28.1	1.520	2.439	10.7	19.4
2 21	11 12.93	+ 6 28.9	1.477	2.445	6.1	19.2
3 2	11 3.76	+ 7 37.1	1.461	2.452	1.2	18.8
3 12	10 54.31	+ 8 44.1	1.474	2.458	4.1	19.1
3 22	10 45.77	+ 9 42.3	1.513	2.463	8.9	19.4
4 1	10 39.15	+10 25.8	1.577	2.469	13.1	19.6
4 11	10 35.09	+10 51.8	1.662	2.474	16.6	19.9
393815	2005 SO_3		3 4.5	229.°23	0.°8/ 5.2	17
2 1	11 26.44	+ 0 39.9	1.745	2.572	14.5	22.2
2 11	11 21.02	+ 1 24.7	1.653	2.560	10.8	21.9
2 21	11 13.26	+ 2 28.0	1.585	2.547	6.5	21.6
3 2	11 3.86	+ 3 45.0	1.544	2.533	1.8	21.3
3 12	10 53.91	+ 5 8.0	1.532	2.518	3.5	21.4
3 22	10 44.58	+ 6 28.4	1.548	2.502	8.4	21.6
4 1	10 36.94	+ 7 38.2	1.591	2.486	12.8	21.8
4 11	10 31.78	+ 8 32.2	1.655	2.469	16.6	22.0
171153	Allanrahill		3 4.5	262.°66	1.°1/ 3.2	17
2 1	11 20.55	+ 6 5.0	2.144	2.988	11.5	20.0
2 11	11 16.26	+ 7 7.3	2.067	2.987	8.3	19.8
2 21	11 10.28	+ 8 20.2	2.016	2.985	4.6	19.6
3 2	11 3.23	+ 9 37.9	1.993	2.983	1.2	19.3
3 12	10 55.91	+10 53.6	2.000	2.981	3.7	19.5
3 22	10 49.16	+12 0.8	2.036	2.980	7.5	19.8
4 1	10 43.72	+12 54.7	2.098	2.978	10.9	20.0
4 11	10 40.14	+13 32.5	2.182	2.976	13.8	20.2
503088	2015 FN_{294}		3 4.5	267.°58	4.°6/27.6	17
2 1	11 21.62	+19 18.5	2.418	3.276	9.9	21.6
2 11	11 16.96	+20 31.1	2.344	3.265	7.3	21.5
2 21	11 10.67	+21 43.5	2.297	3.255	5.2	21.3
3 2	11 3.31	+22 49.2	2.279	3.244	4.8	21.3
3 12	10 55.68	+23 41.9	2.290	3.233	6.6	21.3
3 22	10 48.57	+24 17.6	2.328	3.222	9.2	21.5
4 1	10 42.71	+24 34.2	2.390	3.211	11.8	21.6
4 11	10 38.65	+24 32.0	2.473	3.200	14.1	21.8
117776	2005 GY_{102}		3 4.5	18.°93	1.°1/ 3.8	18
2 1	11 24.83	+ 6 50.1	1.272	2.136	16.5	20.3
2 11	11 20.19	+ 7 15.4	1.212	2.140	12.0	20.0
2 21	11 12.84	+ 7 53.5	1.174	2.145	6.7	19.7
3 2	11 3.76	+ 8 37.3	1.161	2.151	1.5	19.4
3 12	10 54.39	+ 9 18.3	1.173	2.157	4.8	19.6
3 22	10 46.14	+ 9 49.1	1.210	2.165	10.1	19.9
4 1	10 40.17	+10 4.6	1.269	2.173	14.8	20.2
4 11	10 37.15	+10 2.7	1.348	2.181	18.7	20.5
508387	2016 FK_{63}		3 4.5	266.°17	4.°3/28.6	17
2 1	11 22.16	+14 47.3	2.033	2.893	11.4	21.6
2 11	11 17.66	+16 20.0	1.952	2.878	8.3	21.4
2 21	11 11.21	+17 58.4	1.897	2.862	5.3	21.2
3 2	11 3.44	+19 34.1	1.871	2.846	4.4	21.1
3 12	10 55.26	+20 58.3	1.874	2.830	6.7	21.2
3 22	10 47.62	+22 4.3	1.904	2.814	10.1	21.4
4 1	10 41.42	+22 48.2	1.958	2.797	13.3	21.6
4 11	10 37.30	+23 9.3	2.033	2.780	16.1	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
417714	2007 CT_{11}		3 4.5	3.°63	6.°8/ 9.1	17
	h m	° ′			°	m
2 1	11 26.00	− 8 54.2	1.506	2.305	17.8	20.2
2 11	11 20.91	− 9 52.6	1.430	2.304	14.5	20.0
2 21	11 13.26	−10 28.8	1.374	2.304	10.8	19.8
3 2	11 3.88	−10 40.8	1.342	2.305	7.7	19.6
3 12	10 53.99	−10 30.2	1.336	2.306	7.0	19.6
3 22	10 44.92	−10 2.1	1.355	2.309	9.4	19.7
4 1	10 37.85	− 9 24.2	1.398	2.311	12.9	19.9
4 11	10 33.55	− 8 44.8	1.462	2.315	16.4	20.1
266255	2006 YB_9		3 4.5	117.°80	0.°4/ 4.9	18
2 1	11 25.65	+ 3 11.3	1.856	2.690	13.5	21.2
2 11	11 20.09	+ 3 31.9	1.786	2.697	9.9	21.0
2 21	11 12.52	+ 4 4.7	1.740	2.704	5.8	20.7
3 2	11 3.69	+ 4 45.5	1.721	2.711	1.4	20.4
3 12	10 54.63	+ 5 28.5	1.731	2.717	3.2	20.6
3 22	10 46.34	+ 6 7.8	1.769	2.724	7.5	20.9
4 1	10 39.70	+ 6 38.7	1.834	2.730	11.4	21.1
4 11	10 35.30	+ 6 57.9	1.920	2.736	14.6	21.3
406245	2007 DP_{13}		3 4.5	59.°42	9.°1/24.9	18
2 1	11 27.01	+25 50.0	1.497	2.365	14.2	19.7
2 11	11 21.34	+27 55.5	1.479	2.395	11.2	19.5
2 21	11 13.23	+29 48.5	1.485	2.425	9.3	19.5
3 2	11 3.81	+31 17.0	1.517	2.455	9.5	19.6
3 12	10 54.46	+32 12.9	1.575	2.485	11.5	19.8
3 22	10 46.44	+32 34.4	1.655	2.515	14.1	20.0
4 1	10 40.70	+32 24.2	1.755	2.545	16.6	20.2
4 11	10 37.69	+31 47.6	1.871	2.575	18.7	20.5
437016	2012 TL_{268}		3 4.5	11.°24	3.°3/ 7.7	17
2 1	11 22.06	− 4 58.0	2.078	2.881	13.4	21.3
2 11	11 17.40	− 4 59.4	1.996	2.882	10.4	21.1
2 21	11 10.97	− 4 44.1	1.938	2.883	7.1	20.9
3 2	11 3.39	− 4 13.7	1.907	2.884	4.0	20.7
3 12	10 55.53	− 3 32.2	1.903	2.885	3.7	20.6
3 22	10 48.25	− 2 44.8	1.928	2.887	6.6	20.8
4 1	10 42.36	− 1 57.4	1.980	2.889	10.0	21.0
4 11	10 38.42	− 1 15.3	2.054	2.890	13.0	21.2
321255	2009 DL_{12}		3 4.5	212.°01	3.°9/28.8	17
2 1	11 21.71	+16 14.4	2.330	3.187	10.2	20.3
2 11	11 17.01	+17 25.1	2.262	3.185	7.4	20.1
2 21	11 10.68	+18 37.6	2.220	3.184	4.8	20.0
3 2	11 3.33	+19 45.3	2.208	3.182	4.0	19.9
3 12	10 55.74	+20 41.9	2.224	3.180	5.9	20.0
3 22	10 48.73	+21 22.9	2.269	3.178	8.7	20.2
4 1	10 43.02	+21 46.0	2.338	3.176	11.5	20.4
4 11	10 39.11	+21 51.1	2.429	3.173	13.9	20.5
116504	2004 BV_{23}		3 4.5	262.°30	3.°0/ 1.7	17
2 1	11 23.87	+10 33.2	1.716	2.575	13.2	20.0
2 11	11 19.14	+11 44.5	1.638	2.564	9.5	19.7
2 21	11 12.16	+13 5.4	1.583	2.553	5.5	19.5
3 2	11 3.66	+14 27.8	1.557	2.542	3.0	19.3
3 12	10 54.72	+15 42.3	1.558	2.531	5.8	19.4
3 22	10 46.47	+16 41.4	1.586	2.519	10.0	19.7
4 1	10 39.94	+17 20.3	1.639	2.508	14.0	19.9
4 11	10 35.84	+17 37.3	1.711	2.496	17.3	20.1
343489	2010 EA_{90}		3 4.5	257.°00	3.°6/29.7	17
2 1	11 25.56	+16 42.1	2.332	3.182	10.5	21.1
2 11	11 19.83	+17 21.3	2.250	3.170	7.6	20.9
2 21	11 12.33	+18 1.0	2.194	3.157	4.9	20.7
3 2	11 3.67	+18 35.6	2.167	3.144	3.7	20.6
3 12	10 54.72	+19 0.0	2.170	3.131	5.6	20.7
3 22	10 46.33	+19 10.6	2.201	3.117	8.6	20.9
4 1	10 39.32	+19 5.5	2.257	3.104	11.5	21.0
4 11	10 34.24	+18 45.1	2.336	3.090	14.1	21.2
354823	2005 WM_{119}		3 4.5	59.°58	6.°7/ 9.5	18
2 1	11 27.28	− 9 55.9	1.245	2.052	20.4	20.1
2 11	11 21.92	−10 20.6	1.193	2.073	16.3	19.9
2 21	11 13.79	−10 14.8	1.159	2.094	11.9	19.7
3 2	11 3.97	− 9 38.8	1.148	2.115	7.9	19.6
3 12	10 53.95	− 8 38.8	1.161	2.137	6.8	19.6
3 22	10 45.20	− 7 24.7	1.199	2.159	9.6	19.8
4 1	10 38.87	− 6 7.8	1.261	2.180	13.5	20.1
4 11	10 35.59	− 4 58.2	1.343	2.202	17.2	20.4
437531	2013 YX_{111}		3 4.5	347.°81	5.°5/ 9.4	17
2 1	11 21.69	− 9 30.6	1.871	2.660	15.2	20.5
2 11	11 17.39	− 9 58.1	1.785	2.654	12.3	20.3
2 21	11 11.09	−10 4.9	1.721	2.649	9.2	20.1
3 2	11 3.44	− 9 50.8	1.682	2.644	6.4	19.9
3 12	10 55.38	− 9 18.5	1.669	2.640	5.7	19.9
3 22	10 47.92	− 8 33.0	1.682	2.637	7.8	20.0
4 1	10 41.98	− 7 41.1	1.721	2.634	10.9	20.2
4 11	10 38.20	− 6 50.0	1.783	2.632	14.1	20.4

238538 2004 VU_{12} 3 4.5 210.°74 5.°0/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.72	+16 42.9	1.760	2.619	12.9	20.7
2 11	11 21.88	+17 59.6	1.690	2.613	9.5	20.5
2 21	11 13.69	+19 18.9	1.645	2.608	6.2	20.2
3 2	11 3.97	+20 31.3	1.628	2.602	5.1	20.2
3 12	10 53.87	+21 28.2	1.639	2.595	7.5	20.3
3 22	10 44.58	+22 3.7	1.677	2.588	11.1	20.5
4 1	10 37.16	+22 15.5	1.738	2.580	14.6	20.7
4 11	10 32.28	+22 4.6	1.818	2.571	17.6	20.9

59092 1998 VT_{42} 3 4.5 266.°04 4.°1/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.97	+13 27.9	1.556	2.415	14.3	19.2
2 11	11 23.24	+14 25.1	1.468	2.394	10.5	18.9
2 21	11 14.73	+15 29.3	1.404	2.372	6.4	18.6
3 2	11 4.23	+16 31.8	1.366	2.349	4.1	18.4
3 12	10 53.00	+17 22.9	1.356	2.326	7.0	18.5
3 22	10 42.49	+17 55.2	1.373	2.302	11.6	18.7
4 1	10 34.00	+18 4.6	1.412	2.278	16.0	18.9
4 11	10 28.44	+17 51.1	1.470	2.254	19.8	19.1

157268 2004 RL_{200} 3 4.5 145.°81 2.°9/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.17	+14 25.1	2.280	3.125	10.9	20.3
2 11	11 21.57	+14 54.7	2.214	3.133	7.9	20.2
2 21	11 13.23	+15 25.6	2.175	3.141	4.7	20.0
3 2	11 3.85	+15 52.6	2.165	3.148	2.9	19.9
3 12	10 54.33	+16 11.1	2.186	3.155	4.8	20.0
3 22	10 45.54	+16 17.8	2.236	3.161	7.9	20.2
4 1	10 38.25	+16 11.3	2.312	3.167	10.9	20.4
4 11	10 32.97	+15 51.7	2.410	3.173	13.5	20.6

161639 2006 AS_{78} 3 4.5 232.°14 0.°9/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.82	+ 6 44.3	2.109	2.950	11.8	20.9
2 11	11 18.69	+ 7 23.0	2.025	2.943	8.5	20.7
2 21	11 11.73	+ 8 10.9	1.967	2.935	4.8	20.4
3 2	11 3.57	+ 9 3.2	1.938	2.928	1.1	20.1
3 12	10 55.08	+ 9 53.9	1.938	2.920	3.6	20.3
3 22	10 47.17	+10 37.6	1.966	2.912	7.5	20.5
4 1	10 40.66	+11 9.8	2.021	2.904	11.1	20.7
4 11	10 36.14	+11 28.3	2.098	2.895	14.2	20.9

241465 2008 YQ_{169} 3 4.5 313.°51 1.°5/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.83	+ 8 33.1	2.067	2.917	11.7	21.2
2 11	11 17.28	+ 9 13.7	1.987	2.909	8.4	21.0
2 21	11 10.93	+10 2.3	1.932	2.902	4.7	20.7
3 2	11 3.40	+10 53.5	1.906	2.895	1.6	20.5
3 12	10 55.58	+11 41.2	1.908	2.888	4.0	20.7
3 22	10 48.34	+12 20.3	1.938	2.881	7.8	20.9
4 1	10 42.50	+12 46.6	1.994	2.874	11.3	21.1
4 11	10 38.63	+12 58.3	2.071	2.868	14.3	21.3

427483 2001 XA_{145} 3 4.5 115.°56 4.°9/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.44	−12 17.0	2.332	3.084	13.6	22.3
2 11	11 19.58	−12 15.1	2.262	3.107	11.0	22.1
2 21	11 12.09	−11 53.1	2.215	3.129	8.2	22.0
3 2	11 3.63	−11 12.1	2.195	3.150	5.8	21.9
3 12	10 55.04	−10 15.6	2.204	3.171	5.0	21.8
3 22	10 47.11	− 9 9.2	2.242	3.191	6.5	22.0
4 1	10 40.56	− 7 59.2	2.308	3.210	9.1	22.2
4 11	10 35.87	− 6 51.9	2.399	3.229	11.6	22.4

376748 1999 UC_{12} 3 4.5 127.°54 9.°6/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 46.26	+26 36.6	1.175	2.028	18.4	20.4
2 11	11 36.11	+27 5.4	1.123	2.034	14.4	20.2
2 21	11 22.04	+27 18.9	1.093	2.040	10.9	20.0
3 2	11 5.66	+27 4.3	1.087	2.046	9.6	20.0
3 12	10 49.31	+26 14.8	1.107	2.052	11.7	20.1
3 22	10 35.15	+24 52.0	1.152	2.057	15.6	20.3
4 1	10 24.69	+23 3.5	1.219	2.062	19.5	20.6
4 11	10 18.49	+20 58.6	1.303	2.067	22.8	20.8

246278 2007 TT_{54} 3 4.5 95.°12 3.°5/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.61	− 8 22.3	2.303	3.087	12.9	20.9
2 11	11 16.17	− 7 57.3	2.226	3.097	10.1	20.7
2 21	11 10.19	− 7 13.6	2.173	3.108	7.1	20.6
3 2	11 3.26	− 6 13.5	2.146	3.118	4.3	20.4
3 12	10 56.14	− 5 1.5	2.149	3.128	3.7	20.4
3 22	10 49.58	− 3 43.8	2.180	3.138	6.0	20.5
4 1	10 44.27	− 2 26.9	2.240	3.148	9.0	20.7
4 11	10 40.69	− 1 16.4	2.323	3.158	11.8	20.9

434925 2006 TG_{102} 3 4.5 50.°24 14.°6/18.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.09	−27 59.6	0.942	1.691	29.4	21.1
2 11	11 17.66	−28 20.9	0.886	1.702	26.1	20.9
2 21	11 11.80	−27 41.4	0.841	1.715	22.3	20.7
3 2	11 3.64	−25 53.4	0.811	1.728	18.3	20.5
3 12	10 55.03	−23 0.7	0.799	1.741	15.3	20.4
3 22	10 47.84	−19 20.1	0.807	1.755	14.8	20.4
4 1	10 43.58	−15 18.5	0.837	1.770	16.9	20.6
4 11	10 43.02	−11 24.4	0.887	1.784	20.4	20.8

30609 2618 P–L 3 4.5 288.°56 0.°6/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.01	+ 1 55.7	1.710	2.549	14.2	18.5
2 11	11 18.61	+ 2 29.5	1.616	2.530	10.6	18.2
2 21	11 11.94	+ 3 20.2	1.546	2.510	6.3	17.9
3 2	11 3.67	+ 4 23.3	1.501	2.491	1.6	17.6
3 12	10 54.83	+ 5 31.7	1.485	2.472	3.5	17.7
3 22	10 46.56	+ 6 37.6	1.496	2.452	8.4	17.9
4 1	10 39.93	+ 7 33.6	1.532	2.433	12.9	18.1
4 11	10 35.70	+ 8 14.7	1.589	2.414	16.7	18.3

243148 2007 TN_{19} 3 4.5 114.°99 4.°0/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.42	− 8 20.0	2.390	3.166	12.7	20.3
2 11	11 18.16	− 8 27.1	2.312	3.177	10.1	20.2
2 21	11 11.32	− 8 17.5	2.258	3.187	7.2	20.0
3 2	11 3.50	− 7 52.3	2.231	3.198	4.7	19.9
3 12	10 55.47	− 7 14.6	2.233	3.207	4.1	19.8
3 22	10 48.01	− 6 29.0	2.264	3.217	6.2	20.0
4 1	10 41.81	− 5 40.7	2.322	3.227	8.9	20.2
4 11	10 37.36	− 4 54.7	2.405	3.236	11.5	20.4

94999 2001 YS_{138} 3 4.5 245.°64 0.°6/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.02	+ 2 34.0	1.952	2.785	13.0	20.5
2 11	11 18.97	+ 2 58.0	1.869	2.779	9.6	20.3
2 21	11 11.96	+ 3 35.0	1.809	2.773	5.7	20.1
3 2	11 3.65	+ 4 20.9	1.777	2.766	1.5	19.8
3 12	10 54.99	+ 5 10.0	1.774	2.760	3.1	19.9
3 22	10 46.94	+ 5 56.5	1.799	2.754	7.4	20.1
4 1	10 40.39	+ 6 35.1	1.850	2.747	11.2	20.3
4 11	10 35.97	+ 7 2.0	1.924	2.740	14.5	20.5

206283 2003 AV_{64} 3 4.5 93.°46 2.°1/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.03	+12 18.7	2.562	3.403	10.0	20.6
2 11	11 19.75	+12 55.4	2.514	3.432	7.1	20.5
2 21	11 12.07	+13 34.2	2.494	3.461	4.1	20.4
3 2	11 3.63	+14 10.7	2.504	3.489	2.1	20.3
3 12	10 55.18	+14 40.5	2.545	3.517	3.9	20.4
3 22	10 47.45	+15 0.6	2.615	3.544	6.8	20.6
4 1	10 41.04	+15 9.4	2.712	3.570	9.4	20.9
4 11	10 36.33	+15 6.3	2.833	3.596	11.7	21.1

498882 2008 YR_{114} 3 4.5 62.°60 1.°5/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.23	+ 8 18.5	1.963	2.812	12.2	21.4
2 11	11 18.18	+ 9 2.9	1.908	2.829	8.7	21.3
2 21	11 11.36	+ 9 54.7	1.877	2.847	4.9	21.1
3 2	11 3.50	+10 48.0	1.875	2.864	1.6	20.9
3 12	10 55.54	+11 36.6	1.902	2.882	4.0	21.1
3 22	10 48.36	+12 15.3	1.957	2.899	7.8	21.3
4 1	10 42.72	+12 40.8	2.037	2.917	11.1	21.6
4 11	10 39.11	+12 51.6	2.139	2.935	14.0	21.8

208391 2001 SG_{165} 3 4.5 127.°09 0.°3/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.73	+ 5 14.4	2.464	3.296	10.6	21.0
2 11	11 17.58	+ 5 45.8	2.393	3.305	7.7	20.8
2 21	11 10.95	+ 6 25.4	2.348	3.314	4.3	20.6
3 2	11 3.43	+ 7 9.2	2.333	3.323	0.8	20.4
3 12	10 55.74	+ 7 52.6	2.347	3.331	2.8	20.6
3 22	10 48.62	+ 8 31.2	2.392	3.340	6.2	20.8
4 1	10 42.71	+ 9 1.6	2.463	3.348	9.3	21.0
4 11	10 38.48	+ 9 21.4	2.558	3.355	11.9	21.2

286025 2001 SE_{157} 3 4.5 174.°16 1.°0/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.90	+ 1 42.6	1.795	2.620	14.3	21.1
2 11	11 22.60	+ 1 59.8	1.717	2.623	10.6	20.8
2 21	11 14.07	+ 2 31.0	1.664	2.625	6.3	20.6
3 2	11 4.10	+ 3 12.4	1.638	2.627	1.9	20.3
3 12	10 53.78	+ 3 58.1	1.642	2.628	3.3	20.4
3 22	10 44.25	+ 4 41.8	1.674	2.629	7.8	20.7
4 1	10 36.50	+ 5 18.1	1.732	2.628	11.9	20.9
4 11	10 31.19	+ 5 42.8	1.813	2.627	15.4	21.1

156455 2002 BD_{14} 3 4.5 7.°55 1.°5/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.53	+ 0 43.3	1.505	2.347	15.6	20.0
2 11	11 18.27	+ 0 55.5	1.434	2.348	11.7	19.7
2 21	11 11.70	+ 1 25.0	1.386	2.349	7.1	19.5
3 2	11 3.62	+ 2 7.7	1.363	2.351	2.5	19.2
3 12	10 55.20	+ 2 57.0	1.367	2.354	3.6	19.3
3 22	10 47.62	+ 3 45.4	1.396	2.357	8.3	19.6
4 1	10 41.93	+ 4 26.2	1.450	2.362	12.7	19.8
4 11	10 38.77	+ 4 54.4	1.525	2.366	16.5	20.1

41782 2000 VM_{55} 3 4.5 19.°53 5.°0/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.81	+17 32.3	1.595	2.460	13.7	18.4
2 11	11 21.24	+18 15.6	1.537	2.464	10.0	18.1
2 21	11 13.31	+18 58.2	1.503	2.468	6.5	17.9
3 2	11 3.93	+19 32.1	1.496	2.472	5.0	17.9
3 12	10 54.35	+19 50.3	1.515	2.477	7.3	18.0
3 22	10 45.80	+19 48.9	1.560	2.482	11.0	18.2
4 1	10 39.28	+19 27.0	1.627	2.488	14.5	18.5
4 11	10 35.38	+18 46.6	1.715	2.494	17.5	18.7

282840 2006 US_{139} 3 4.5 76.°49 0.°5/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.40	+ 1 52.4	1.644	2.482	14.7	20.7
2 11	11 19.34	+ 2 32.6	1.583	2.497	10.8	20.5
2 21	11 12.16	+ 3 28.3	1.547	2.512	6.3	20.2
3 2	11 3.69	+ 4 33.8	1.537	2.527	1.5	19.9
3 12	10 55.05	+ 5 41.5	1.555	2.542	3.4	20.1
3 22	10 47.31	+ 6 43.7	1.601	2.556	8.0	20.4
4 1	10 41.37	+ 7 34.2	1.671	2.571	12.0	20.7
4 11	10 37.81	+ 8 9.5	1.764	2.586	15.4	20.9

264745 2002 CD_{207} 3 4.5 251.°20 2.°0/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.02	+ 8 51.3	1.910	2.762	12.4	20.5
2 11	11 18.27	+ 9 47.7	1.835	2.758	8.9	20.2
2 21	11 11.57	+10 53.0	1.785	2.755	5.0	20.0
3 2	11 3.59	+12 0.8	1.763	2.751	2.0	19.8
3 12	10 55.31	+13 3.5	1.770	2.747	4.6	19.9
3 22	10 47.69	+13 55.0	1.804	2.744	8.6	20.2
4 1	10 41.60	+14 30.7	1.864	2.740	12.2	20.4
4 11	10 37.66	+14 48.9	1.944	2.736	15.3	20.6

461735 2005 TG_{191} 3 4.5 165.°29 6.°2/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.24	+24 21.8	2.180	3.029	11.2	21.5
2 11	11 22.54	+25 24.1	2.124	3.033	8.6	21.3
2 21	11 13.89	+26 20.4	2.093	3.038	6.7	21.2
3 2	11 4.06	+27 3.4	2.091	3.041	6.4	21.2
3 12	10 54.07	+27 27.3	2.117	3.044	8.1	21.3
3 22	10 44.93	+27 29.5	2.170	3.047	10.6	21.5
4 1	10 37.47	+27 10.4	2.247	3.049	13.1	21.6
4 11	10 32.23	+26 32.3	2.344	3.050	15.3	21.8

280789 2005 ST_{204} 3 4.5 223.°78 2.°1/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.26	+ 8 32.4	1.708	2.555	13.8	21.2
2 11	11 22.40	+ 9 28.5	1.624	2.545	10.0	20.9
2 21	11 14.11	+10 35.5	1.565	2.534	5.7	20.6
3 2	11 4.15	+11 46.3	1.534	2.522	2.1	20.4
3 12	10 53.68	+12 52.3	1.531	2.509	5.1	20.5
3 22	10 43.91	+13 45.7	1.556	2.496	9.7	20.8
4 1	10 35.98	+14 21.6	1.606	2.482	13.9	21.0
4 11	10 30.64	+14 37.9	1.677	2.467	17.4	21.2

156621 2002 GV_{146} 3 4.5 58.°11 2.°6/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.27	+10 23.7	1.813	2.670	12.7	20.2
2 11	11 18.47	+11 22.2	1.749	2.674	9.1	20.0
2 21	11 11.67	+12 28.0	1.709	2.679	5.2	19.7
3 2	11 3.62	+13 33.8	1.697	2.683	2.6	19.6
3 12	10 55.33	+14 32.2	1.713	2.688	5.1	19.7
3 22	10 47.83	+15 17.0	1.757	2.693	9.0	20.0
4 1	10 41.96	+15 44.5	1.825	2.698	12.6	20.2
4 11	10 38.31	+15 53.8	1.914	2.703	15.6	20.4

410760 2009 DP_{80} 3 4.5 268.°27 0.°5/ 4.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.74	+ 3 39.8	1.632	2.471	14.8	21.2
2 11	11 22.19	+ 3 51.3	1.540	2.453	11.0	20.9
2 21	11 14.08	+ 4 16.3	1.470	2.435	6.5	20.6
3 2	11 4.16	+ 4 50.9	1.427	2.417	1.6	20.2
3 12	10 53.60	+ 5 29.2	1.412	2.399	3.8	20.3
3 22	10 43.67	+ 6 4.5	1.425	2.380	8.8	20.6
4 1	10 35.58	+ 6 30.9	1.462	2.361	13.5	20.8
4 11	10 30.18	+ 6 44.5	1.520	2.342	17.5	21.0

283917 2004 FF_{143} 3 4.5 83.°25 0.°3/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.64	+ 3 17.8	2.205	3.036	11.7	20.7
2 11	11 17.71	+ 3 40.6	2.130	3.040	8.6	20.5
2 21	11 11.13	+ 4 13.9	2.080	3.044	5.0	20.3
3 2	11 3.51	+ 4 54.0	2.058	3.048	1.2	20.1
3 12	10 55.67	+ 5 35.9	2.066	3.052	2.8	20.2
3 22	10 48.43	+ 6 14.8	2.102	3.056	6.5	20.4
4 1	10 42.52	+ 6 46.5	2.165	3.060	9.9	20.7
4 11	10 38.45	+ 7 8.0	2.252	3.063	12.8	20.8

275136 2009 VY_{71} 3 4.5 196.°55 2.°3/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.87	− 2 22.0	2.038	2.850	13.3	21.5
2 11	11 18.79	− 2 9.3	1.955	2.849	10.1	21.3
2 21	11 11.84	− 1 40.8	1.895	2.848	6.5	21.1
3 2	11 3.67	− 0 59.1	1.863	2.846	3.0	20.8
3 12	10 55.18	− 0 9.0	1.859	2.845	3.2	20.8
3 22	10 47.29	+ 0 43.7	1.885	2.843	6.8	21.1
4 1	10 40.84	+ 1 33.1	1.937	2.841	10.4	21.3
4 11	10 36.43	+ 2 14.4	2.012	2.838	13.6	21.5

386215 2007 WO_6 3 4.5 84.°88 8.°7/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.91	−23 25.0	2.448	3.121	14.9	20.2
2 11	11 19.39	−24 19.3	2.371	3.135	13.1	20.1
2 21	11 12.12	−24 50.2	2.315	3.150	11.3	20.0
3 2	11 3.72	−24 55.5	2.281	3.164	9.6	19.9
3 12	10 55.03	−24 35.6	2.272	3.177	8.8	19.9
3 22	10 46.90	−23 53.9	2.290	3.191	9.0	19.9
4 1	10 40.12	−22 56.2	2.333	3.205	10.2	20.0
4 11	10 35.25	−21 49.5	2.399	3.219	11.9	20.2

57495 2001 SS_{211} 3 4.5 24.°53 7.°6/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.63	+23 9.6	1.375	2.243	15.3	18.1
2 11	11 24.28	+23 51.7	1.327	2.250	11.6	17.9
2 21	11 15.13	+24 25.8	1.302	2.257	8.5	17.7
3 2	11 4.33	+24 42.1	1.302	2.266	7.7	17.7
3 12	10 53.47	+24 33.8	1.327	2.275	9.8	17.8
3 22	10 44.02	+23 59.0	1.376	2.285	13.2	18.1
4 1	10 37.08	+23 0.3	1.447	2.296	16.6	18.3
4 11	10 33.24	+21 42.2	1.536	2.307	19.6	18.5

302496 2002 GK_{99} 3 4.5 332.°52 0.°6/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.25	+ 5 31.1	1.276	2.138	16.6	20.6
2 11	11 20.02	+ 5 55.1	1.202	2.128	12.2	20.3
2 21	11 12.96	+ 6 34.4	1.149	2.120	7.0	20.0
3 2	11 3.96	+ 7 22.7	1.121	2.111	1.4	19.6
3 12	10 54.41	+ 8 11.3	1.118	2.104	4.7	19.8
3 22	10 45.78	+ 8 51.8	1.140	2.097	10.3	20.0
4 1	10 39.38	+ 9 17.5	1.184	2.091	15.3	20.3
4 11	10 36.04	+ 9 25.0	1.246	2.085	19.6	20.6

410748 2009 DP_{22} 3 4.5 238.°97 1.°3/ 3.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.58	+ 7 58.5	1.664	2.511	14.2	21.7
2 11	11 22.64	+ 8 23.7	1.583	2.502	10.3	21.4
2 21	11 14.25	+ 8 58.4	1.525	2.494	5.9	21.2
3 2	11 4.21	+ 9 36.8	1.495	2.485	1.5	20.9
3 12	10 53.70	+10 12.1	1.493	2.476	4.5	21.0
3 22	10 43.97	+10 38.3	1.519	2.466	9.2	21.3
4 1	10 36.13	+10 51.2	1.570	2.456	13.5	21.5
4 11	10 30.92	+10 48.8	1.641	2.446	17.1	21.7

502707 2015 DA_{21} 3 4.5 232.°68 2.°5/ 2.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.19	+12 4.7	2.153	3.003	11.2	21.6
2 11	11 18.93	+12 45.8	2.078	3.000	8.1	21.4
2 21	11 11.88	+13 31.4	2.029	2.997	4.7	21.2
3 2	11 3.69	+14 15.7	2.008	2.994	2.5	21.1
3 12	10 55.25	+14 53.2	2.017	2.990	4.7	21.2
3 22	10 47.43	+15 19.3	2.054	2.987	8.1	21.4
4 1	10 41.04	+15 31.2	2.117	2.983	11.4	21.6
4 11	10 36.62	+15 28.3	2.201	2.979	14.2	21.8

406578 2008 AD_{48} 3 4.5 109.°48 1.°1/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.80	+ 6 26.7	1.779	2.622	13.6	21.7
2 11	11 20.94	+ 7 16.5	1.721	2.640	9.7	21.5
2 21	11 13.04	+ 8 16.6	1.688	2.657	5.4	21.3
3 2	11 3.93	+ 9 20.3	1.683	2.673	1.3	21.1
3 12	10 54.67	+10 20.3	1.708	2.689	4.1	21.3
3 22	10 46.32	+11 10.2	1.760	2.705	8.3	21.6
4 1	10 39.75	+11 45.8	1.837	2.720	12.0	21.8
4 11	10 35.48	+12 5.0	1.937	2.735	15.1	22.1

241609 1999 RZ_{237} 3 4.5 249.°05 6.°0/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.18	+30 21.9	3.179	4.009	8.5	21.5
2 11	11 21.48	+31 13.2	3.099	3.987	7.0	21.4
2 21	11 13.23	+31 57.2	3.046	3.964	6.1	21.3
3 2	11 3.97	+32 28.4	3.022	3.941	6.2	21.3
3 12	10 54.46	+32 42.9	3.028	3.917	7.4	21.3
3 22	10 45.43	+32 38.6	3.060	3.892	9.1	21.4
4 1	10 37.57	+32 15.8	3.118	3.867	10.9	21.5
4 11	10 31.41	+31 36.1	3.195	3.841	12.6	21.6

332876 2011 AQ_6 3 4.5 32.°77 0.°6/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.80	+ 2 38.2	1.455	2.304	15.7	20.7
2 11	11 19.17	+ 2 59.0	1.395	2.313	11.6	20.5
2 21	11 12.20	+ 3 35.5	1.358	2.324	6.8	20.2
3 2	11 3.77	+ 4 22.5	1.345	2.335	1.7	19.9
3 12	10 55.11	+ 5 12.4	1.359	2.346	3.7	20.1
3 22	10 47.43	+ 5 57.8	1.400	2.359	8.6	20.4
4 1	10 41.73	+ 6 32.8	1.464	2.371	12.9	20.7
4 11	10 38.62	+ 6 53.4	1.549	2.385	16.6	20.9

427326 2014 WZ_{310} 3 4.5 49.°30 0.°3/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.11	+ 3 46.6	1.639	2.482	14.5	21.1
2 11	11 19.95	+ 4 6.3	1.573	2.489	10.6	20.8
2 21	11 12.59	+ 4 39.0	1.530	2.496	6.2	20.6
3 2	11 3.86	+ 5 19.9	1.514	2.504	1.4	20.3
3 12	10 54.87	+ 6 2.5	1.525	2.511	3.5	20.5
3 22	10 46.75	+ 6 40.4	1.564	2.519	8.1	20.7
4 1	10 40.46	+ 7 8.5	1.627	2.527	12.3	21.0
4 11	10 36.60	+ 7 23.6	1.712	2.536	15.7	21.2

9337 1991 FO_1 3 4.5 90.°13 0.°1/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.70	+ 4 38.6	2.015	2.853	12.4	17.9
2 11	11 18.60	+ 5 7.8	1.945	2.859	9.0	17.7
2 21	11 11.69	+ 5 47.4	1.899	2.866	5.2	17.5
3 2	11 3.66	+ 6 32.9	1.882	2.872	1.0	17.2
3 12	10 55.42	+ 7 18.7	1.893	2.878	3.2	17.4
3 22	10 47.86	+ 7 59.3	1.933	2.885	7.2	17.7
4 1	10 41.78	+ 8 30.4	2.000	2.891	10.8	17.9
4 11	10 37.72	+ 8 49.3	2.088	2.897	13.8	18.1

73991 1998 *FP* 3 4.5 214.°73 1.°2/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.37	+ 7 0.5	1.994	2.834	12.5	20.9
2 11	11 20.70	+ 7 46.7	1.910	2.826	9.0	20.7
2 21	11 13.01	+ 8 43.1	1.850	2.818	5.1	20.4
3 2	11 3.96	+ 9 43.9	1.820	2.809	1.4	20.1
3 12	10 54.52	+10 42.4	1.819	2.800	4.0	20.3
3 22	10 45.69	+11 32.4	1.846	2.790	8.1	20.5
4 1	10 38.40	+12 9.3	1.900	2.779	11.9	20.7
4 11	10 33.29	+12 30.6	1.976	2.767	15.1	20.9

42636 1998 FO_{61} 3 4.5 290.°11 1.°7/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.94	− 0 13.8	1.527	2.363	15.8	19.0
2 11	11 19.51	+ 0 7.7	1.439	2.349	11.9	18.8
2 21	11 12.58	+ 0 48.9	1.373	2.335	7.4	18.5
3 2	11 3.91	+ 1 46.0	1.333	2.320	2.6	18.1
3 12	10 54.63	+ 2 52.1	1.319	2.306	3.7	18.2
3 22	10 46.04	+ 3 58.6	1.332	2.292	8.7	18.4
4 1	10 39.29	+ 4 57.3	1.369	2.279	13.5	18.7
4 11	10 35.22	+ 5 41.8	1.427	2.265	17.6	18.9

405555 2005 LQ_{14} 3 4.5 227.°53 0.°5/ 4.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.73	+ 4 1.5	1.870	2.709	13.2	21.9
2 11	11 18.89	+ 4 57.9	1.786	2.702	9.6	21.6
2 21	11 12.01	+ 6 8.6	1.728	2.695	5.5	21.4
3 2	11 3.76	+ 7 27.8	1.697	2.687	1.1	21.1
3 12	10 55.12	+ 8 47.5	1.695	2.679	3.7	21.2
3 22	10 47.10	+10 0.2	1.721	2.670	8.1	21.5
4 1	10 40.63	+10 59.6	1.774	2.662	12.1	21.7
4 11	10 36.37	+11 41.9	1.848	2.652	15.5	21.9

19603 Monier 3 4.5 132.°40 2.°6/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.80	− 4 25.1	2.066	2.871	13.4	19.0
2 11	11 17.96	− 4 0.0	1.989	2.877	10.3	18.8
2 21	11 11.34	− 3 17.2	1.935	2.884	6.8	18.6
3 2	11 3.61	− 2 19.5	1.908	2.890	3.4	18.4
3 12	10 55.63	− 1 12.5	1.911	2.895	3.3	18.4
3 22	10 48.27	− 0 2.4	1.942	2.901	6.5	18.7
4 1	10 42.33	+ 1 4.0	2.000	2.906	10.0	18.9
4 11	10 38.35	+ 2 1.4	2.082	2.911	13.1	19.1

489593 2007 TJ_{148} 3 4.5 235.°67 4.°2/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.87	+15 38.1	1.883	2.734	12.6	22.2
2 11	11 23.45	+16 32.0	1.799	2.720	9.2	22.0
2 21	11 14.69	+17 28.8	1.740	2.705	5.8	21.7
3 2	11 4.33	+18 20.8	1.710	2.689	4.2	21.6
3 12	10 53.48	+19 0.4	1.709	2.672	6.6	21.7
3 22	10 43.33	+19 22.4	1.735	2.654	10.3	21.9
4 1	10 34.94	+19 24.3	1.787	2.636	13.9	22.1
4 11	10 29.05	+19 6.6	1.858	2.617	17.1	22.2

312078 2007 TB_{45} 3 4.5 226.°68 2.°4/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.47	+10 7.5	1.827	2.675	13.0	21.4
2 11	11 21.69	+10 58.2	1.744	2.666	9.4	21.2
2 21	11 13.66	+11 57.2	1.687	2.655	5.4	20.9
3 2	11 4.11	+12 57.5	1.657	2.645	2.4	20.7
3 12	10 54.12	+13 51.7	1.657	2.633	5.1	20.8
3 22	10 44.82	+14 33.2	1.684	2.621	9.3	21.0
4 1	10 37.22	+14 58.0	1.737	2.608	13.2	21.2
4 11	10 32.04	+15 4.6	1.810	2.595	16.5	21.4

384917 2012 TZ_{65} 3 4.5 227.°02 1.°4/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.43	+ 0 45.0	2.360	3.176	11.6	20.7
2 11	11 19.00	+ 0 47.6	2.272	3.171	8.7	20.5
2 21	11 11.91	+ 1 1.1	2.209	3.166	5.4	20.3
3 2	11 3.74	+ 1 23.1	2.174	3.161	2.0	20.0
3 12	10 55.27	+ 1 50.1	2.169	3.155	2.7	20.1
3 22	10 47.31	+ 2 17.9	2.194	3.149	6.2	20.3
4 1	10 40.60	+ 2 42.6	2.246	3.143	9.5	20.5
4 11	10 35.69	+ 3 0.6	2.322	3.137	12.4	20.7

30261 2000 HB_{36} 3 4.5 12.°26 0.°5/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.55	− 0 55.7	1.472	2.315	15.9	17.9
2 11	11 16.19	+ 0 26.4	1.401	2.316	11.8	17.7
2 21	11 10.58	+ 2 12.9	1.353	2.318	6.9	17.4
3 2	11 3.48	+ 4 16.0	1.331	2.320	1.7	17.1
3 12	10 56.04	+ 6 23.9	1.336	2.323	3.7	17.2
3 22	10 49.40	+ 8 24.4	1.369	2.326	8.8	17.5
4 1	10 44.59	+10 7.2	1.426	2.330	13.4	17.8
4 11	10 42.24	+11 26.1	1.504	2.334	17.2	18.0

209890 2005 LL_7 3 4.5 261.°38 2.°0/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.99	+10 15.4	2.408	3.255	10.3	20.6
2 11	11 17.29	+11 8.1	2.318	3.239	7.4	20.4
2 21	11 10.96	+12 7.3	2.255	3.223	4.2	20.2
3 2	11 3.55	+13 7.9	2.221	3.207	2.0	20.0
3 12	10 55.80	+14 3.9	2.216	3.191	4.2	20.1
3 22	10 48.51	+14 50.5	2.241	3.174	7.5	20.3
4 1	10 42.39	+15 23.9	2.292	3.157	10.6	20.5
4 11	10 38.02	+15 42.3	2.365	3.140	13.4	20.6

223259 2003 FP_{95} 3 4.5 278.°75 3.°9/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.11	− 7 6.9	1.857	2.657	14.9	20.2
2 11	11 17.79	− 6 53.5	1.765	2.647	11.8	20.0
2 21	11 11.43	− 6 18.2	1.694	2.636	8.2	19.7
3 2	11 3.67	− 5 22.5	1.649	2.625	4.8	19.5
3 12	10 55.45	− 4 11.3	1.632	2.614	4.3	19.4
3 22	10 47.79	− 2 51.9	1.643	2.603	7.4	19.6
4 1	10 41.64	− 1 32.3	1.679	2.592	11.2	19.8
4 11	10 37.68	− 0 20.3	1.739	2.581	14.7	20.0

8316 Wolkenstein 3 4.5 180.°23 3.°2/ 8.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.31	− 6 10.0	2.582	3.365	11.6	17.2
2 11	11 18.07	− 6 12.6	2.493	3.366	9.1	17.0
2 21	11 11.33	− 6 0.9	2.430	3.366	6.3	16.9
3 2	11 3.62	− 5 36.0	2.394	3.366	3.8	16.7
3 12	10 55.66	− 5 1.1	2.387	3.366	3.5	16.7
3 22	10 48.16	− 4 20.0	2.411	3.366	5.7	16.8
4 1	10 41.81	− 3 37.4	2.462	3.365	8.5	17.0
4 11	10 37.08	− 2 57.9	2.538	3.364	11.2	17.1

428989 2009 AO_{25} 3 4.5 315.°70 2.°9/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.93	+11 30.9	2.037	2.894	11.5	20.6
2 11	11 16.71	+12 41.4	1.963	2.889	8.2	20.3
2 21	11 10.69	+13 58.7	1.915	2.884	4.8	20.1
3 2	11 3.50	+15 15.6	1.895	2.878	2.9	20.0
3 12	10 56.02	+16 24.9	1.903	2.873	5.3	20.1
3 22	10 49.13	+17 20.3	1.940	2.869	8.8	20.3
4 1	10 43.65	+17 58.0	2.001	2.864	12.1	20.5
4 11	10 40.14	+18 16.7	2.083	2.859	14.9	20.7

505013 2011 PU_5 3 4.5 219.°13 2.°9/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.84	− 5 2.3	2.594	3.383	11.4	21.8
2 11	11 17.76	− 5 1.7	2.500	3.377	8.9	21.6
2 21	11 11.18	− 4 47.3	2.430	3.371	6.1	21.4
3 2	11 3.60	− 4 20.5	2.389	3.364	3.5	21.3
3 12	10 55.73	− 3 44.4	2.377	3.358	3.2	21.2
3 22	10 48.28	− 3 3.0	2.395	3.350	5.7	21.4
4 1	10 41.95	− 2 20.9	2.440	3.343	8.6	21.5
4 11	10 37.23	− 1 42.4	2.511	3.335	11.3	21.7

204237 2004 DR_{33} 3 4.5 357.°95 1.°6/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.21	+ 8 38.7	1.912	2.764	12.3	20.0
2 11	11 17.67	+ 9 16.5	1.839	2.763	8.9	19.7
2 21	11 11.25	+10 2.2	1.792	2.762	5.0	19.5
3 2	11 3.62	+10 50.3	1.772	2.761	1.7	19.3
3 12	10 55.72	+11 34.5	1.780	2.761	4.2	19.4
3 22	10 48.50	+12 9.3	1.816	2.761	8.1	19.7
4 1	10 42.80	+12 30.9	1.877	2.761	11.7	19.9
4 11	10 39.20	+12 37.5	1.960	2.762	14.8	20.1

148734 2001 TL_{102} 3 4.5 104.°95 1.°5/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.24	+ 2 18.2	1.806	2.633	14.1	18.9
2 11	11 22.84	+ 2 3.2	1.731	2.636	10.5	18.7
2 21	11 14.24	+ 1 59.7	1.680	2.640	6.4	18.4
3 2	11 4.24	+ 2 5.1	1.656	2.644	2.2	18.2
3 12	10 53.93	+ 2 15.6	1.661	2.648	3.3	18.2
3 22	10 44.42	+ 2 26.7	1.695	2.651	7.6	18.5
4 1	10 36.70	+ 2 34.3	1.755	2.655	11.5	18.7
4 11	10 31.39	+ 2 34.9	1.837	2.658	14.9	19.0

11992 1995 *XH* 3 4.5 151.°61 1.°9/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.55	+10 0.7	2.192	3.037	11.3	18.4
2 11	11 19.13	+10 44.9	2.122	3.042	8.1	18.2
2 21	11 11.98	+11 35.0	2.079	3.047	4.6	18.0
3 2	11 3.76	+12 25.4	2.064	3.051	1.9	17.8
3 12	10 55.34	+13 10.6	2.079	3.056	4.2	18.0
3 22	10 47.57	+13 45.6	2.123	3.059	7.6	18.2
4 1	10 41.21	+14 7.6	2.193	3.063	10.9	18.4
4 11	10 36.77	+14 15.3	2.285	3.066	13.6	18.6

300192 2006 WW_{87} 3 4.5 203.°84 3.°7/28.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.36	+18 56.1	2.994	3.843	8.4	21.7
2 11	11 17.25	+19 55.6	2.921	3.838	6.2	21.5
2 21	11 10.81	+20 54.6	2.876	3.833	4.3	21.4
3 2	11 3.52	+21 47.9	2.860	3.827	3.8	21.4
3 12	10 56.04	+22 31.2	2.875	3.821	5.3	21.4
3 22	10 48.99	+23 1.1	2.919	3.814	7.5	21.6
4 1	10 42.98	+23 16.2	2.989	3.807	9.8	21.7
4 11	10 38.43	+23 16.4	3.080	3.799	11.7	21.9

88364 2001 *PK* 3 4.6 164.°96 2.°2/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.02	− 2 33.3	1.904	2.712	14.2	20.7
2 11	11 21.89	− 2 12.0	1.826	2.719	10.8	20.5
2 21	11 13.68	− 1 33.3	1.772	2.725	6.9	20.2
3 2	11 4.13	− 0 40.3	1.746	2.730	3.1	20.0
3 12	10 54.28	+ 0 21.0	1.748	2.734	3.3	20.0
3 22	10 45.16	+ 1 24.1	1.780	2.737	7.2	20.3
4 1	10 37.70	+ 2 22.1	1.839	2.739	11.1	20.5
4 11	10 32.51	+ 3 10.0	1.921	2.741	14.4	20.7

204413 2004 VH_{42} 3 4.6 234.°89 1.°5/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.53	+ 7 26.8	1.833	2.676	13.2	21.3
2 11	11 21.80	+ 8 13.4	1.744	2.662	9.6	21.1
2 21	11 13.78	+ 9 11.0	1.679	2.648	5.5	20.8
3 2	11 4.19	+10 13.5	1.643	2.632	1.6	20.5
3 12	10 54.08	+11 13.3	1.636	2.617	4.4	20.6
3 22	10 44.58	+12 3.6	1.657	2.600	8.9	20.9
4 1	10 36.76	+12 39.2	1.704	2.583	13.0	21.1
4 11	10 31.34	+12 57.6	1.771	2.565	16.5	21.3

148769 2001 TE_{239} 3 4.6 57.°56 2.°6/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.21	+ 7 44.0	1.534	2.394	14.4	19.1
2 11	11 17.90	+ 9 22.7	1.484	2.412	10.2	18.9
2 21	11 11.44	+11 13.0	1.459	2.430	5.7	18.7
3 2	11 3.67	+13 4.5	1.461	2.448	2.6	18.5
3 12	10 55.75	+14 46.0	1.491	2.466	5.6	18.8
3 22	10 48.78	+16 9.0	1.547	2.485	9.9	19.1
4 1	10 43.67	+17 8.3	1.628	2.503	13.7	19.3
4 11	10 40.96	+17 42.8	1.728	2.522	16.8	19.6

8117 Yuanlongping 3 4.6 210.°57 2.°8/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.77	+14 34.1	2.508	3.355	10.0	18.3
2 11	11 19.17	+15 11.2	2.431	3.351	7.2	18.1
2 21	11 11.97	+15 50.0	2.381	3.347	4.3	17.9
3 2	11 3.78	+16 25.7	2.361	3.342	2.8	17.8
3 12	10 55.37	+16 53.5	2.370	3.337	4.7	17.9
3 22	10 47.51	+17 10.0	2.409	3.332	7.6	18.1
4 1	10 40.90	+17 13.3	2.473	3.326	10.4	18.2
4 11	10 36.05	+17 3.0	2.561	3.321	12.9	18.4

473056 2015 HR_{88} 3 4.6 283.°06 4.°8/28.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.72	+20 2.5	2.325	3.181	10.3	21.0
2 11	11 18.59	+20 57.3	2.252	3.171	7.7	20.8
2 21	11 11.72	+21 50.5	2.205	3.162	5.4	20.7
3 2	11 3.75	+22 35.9	2.187	3.153	4.9	20.6
3 12	10 55.52	+23 7.8	2.198	3.144	6.6	20.7
3 22	10 47.88	+23 22.7	2.235	3.135	9.3	20.8
4 1	10 41.60	+23 19.2	2.297	3.125	12.0	21.0
4 11	10 37.23	+22 58.2	2.380	3.116	14.3	21.2

341130 2007 MF_5 3 4.6 297.°17 0.°2/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.05	+ 1 44.9	1.806	2.645	13.6	21.2
2 11	11 17.16	+ 2 38.1	1.707	2.621	10.1	20.9
2 21	11 11.17	+ 3 49.5	1.632	2.598	5.9	20.6
3 2	11 3.68	+ 5 14.0	1.584	2.574	1.3	20.2
3 12	10 55.63	+ 6 43.9	1.565	2.551	3.5	20.3
3 22	10 48.06	+ 8 10.5	1.573	2.527	8.2	20.6
4 1	10 41.98	+ 9 25.8	1.606	2.504	12.6	20.8
4 11	10 38.14	+10 24.2	1.662	2.481	16.3	21.0

52399 1993 RM_{15} 3 4.6 126.°41 1.°1/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.08	+ 7 50.0	2.067	2.904	12.2	19.5
2 11	11 21.68	+ 8 18.8	2.003	2.919	8.8	19.3
2 21	11 13.43	+ 8 54.7	1.966	2.933	4.9	19.1
3 2	11 4.09	+ 9 32.8	1.957	2.947	1.3	18.9
3 12	10 54.61	+10 7.5	1.979	2.960	3.7	19.1
3 22	10 45.92	+10 34.5	2.029	2.973	7.5	19.3
4 1	10 38.83	+10 50.6	2.106	2.985	10.9	19.6
4 11	10 33.83	+10 54.4	2.206	2.997	13.7	19.8

453864 2011 UP_{98} 3 4.6 114.°62 2.°9/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.46	− 3 7.0	1.634	2.450	15.9	21.8
2 11	11 21.70	− 3 1.3	1.566	2.461	12.1	21.6
2 21	11 13.65	− 2 36.3	1.520	2.472	7.9	21.3
3 2	11 4.16	− 1 54.8	1.500	2.483	3.8	21.1
3 12	10 54.40	− 1 2.7	1.508	2.493	3.9	21.1
3 22	10 45.53	− 0 7.2	1.544	2.503	7.8	21.4
4 1	10 38.55	+ 0 44.5	1.605	2.513	11.9	21.6
4 11	10 34.11	+ 1 26.6	1.688	2.522	15.5	21.9

297061 2010 JX_1 3 4.6 282.°12 2.°8/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.27	− 4 37.1	2.250	3.052	12.5	20.9
2 11	11 16.90	− 4 23.4	2.150	3.036	9.8	20.7
2 21	11 10.83	− 3 53.2	2.075	3.021	6.6	20.5
3 2	11 3.59	− 3 8.3	2.026	3.006	3.5	20.3
3 12	10 55.96	− 2 12.8	2.007	2.990	3.3	20.2
3 22	10 48.77	− 1 12.2	2.016	2.975	6.3	20.4
4 1	10 42.79	− 0 12.4	2.052	2.960	9.8	20.6
4 11	10 38.63	+ 0 41.2	2.113	2.944	12.9	20.7

396904 2004 YR_{21} 3 4.6 163.°47 3.°0/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.19	+11 4.3	1.845	2.697	12.7	21.6
2 11	11 20.63	+12 18.2	1.779	2.702	9.1	21.4
2 21	11 12.99	+13 39.2	1.738	2.707	5.3	21.2
3 2	11 4.02	+14 59.4	1.726	2.710	3.0	21.1
3 12	10 54.79	+16 10.5	1.743	2.714	5.6	21.2
3 22	10 46.34	+17 5.7	1.787	2.716	9.4	21.5
4 1	10 39.58	+17 41.6	1.857	2.718	12.9	21.7
4 11	10 35.13	+17 57.2	1.947	2.720	15.9	21.9

51870 2001 PC_6 3 4.6 78.°12 1.°0/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.64	+ 8 28.8	2.163	3.004	11.6	18.7
2 11	11 19.87	+ 8 45.9	2.099	3.016	8.3	18.5
2 21	11 12.39	+ 9 9.0	2.060	3.027	4.7	18.3
3 2	11 3.89	+ 9 33.7	2.050	3.039	1.2	18.0
3 12	10 55.25	+ 9 55.5	2.069	3.051	3.5	18.2
3 22	10 47.33	+10 10.6	2.117	3.063	7.1	18.5
4 1	10 40.87	+10 16.4	2.192	3.074	10.4	18.7
4 11	10 36.37	+10 11.4	2.289	3.086	13.1	18.9

348904 2006 SP_{374} 3 4.6 99.°42 5.°8/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.46	+24 14.2	2.370	3.224	10.2	20.5
2 11	11 19.02	+25 17.9	2.317	3.230	7.9	20.3
2 21	11 11.91	+26 16.3	2.291	3.236	6.1	20.2
3 2	11 3.79	+27 2.8	2.293	3.242	6.0	20.2
3 12	10 55.54	+27 32.2	2.322	3.247	7.6	20.3
3 22	10 48.00	+27 41.9	2.378	3.253	9.8	20.5
4 1	10 41.88	+27 31.8	2.458	3.259	12.1	20.6
4 11	10 37.67	+27 3.6	2.558	3.265	14.1	20.8

84316 2002 TP_{43} 3 4.6 57.°08 0.°3/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.13	+ 5 11.0	1.980	2.821	12.5	19.6
2 11	11 18.21	+ 5 41.5	1.917	2.833	9.0	19.4
2 21	11 11.50	+ 6 22.1	1.878	2.845	5.1	19.2
3 2	11 3.71	+ 7 7.7	1.867	2.857	1.0	18.9
3 12	10 55.77	+ 7 52.8	1.885	2.870	3.3	19.1
3 22	10 48.55	+ 8 31.9	1.932	2.883	7.2	19.4
4 1	10 42.83	+ 9 0.9	2.004	2.896	10.7	19.6
4 11	10 39.11	+ 9 17.5	2.098	2.909	13.7	19.8

14557 1997 VG_8 3 4.6 167.°68 3.°7/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.12	+16 8.5	2.320	3.173	10.4	18.8
2 11	11 18.79	+17 2.3	2.253	3.174	7.6	18.6
2 21	11 11.80	+17 57.2	2.213	3.176	4.8	18.4
3 2	11 3.78	+18 47.1	2.201	3.177	3.7	18.4
3 12	10 55.56	+19 26.5	2.219	3.179	5.6	18.5
3 22	10 47.97	+19 51.5	2.265	3.180	8.4	18.7
4 1	10 41.73	+20 0.3	2.337	3.181	11.3	18.9
4 11	10 37.35	+19 52.8	2.429	3.181	13.7	19.0

144818 2004 JD_5 3 4.6 236.°98 3.°6/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.84	+16 51.3	2.431	3.283	10.0	20.1
2 11	11 18.56	+17 36.1	2.359	3.279	7.3	19.9
2 21	11 11.66	+18 21.2	2.313	3.276	4.7	19.7
3 2	11 3.75	+19 1.3	2.296	3.272	3.7	19.6
3 12	10 55.63	+19 31.2	2.309	3.268	5.4	19.7
3 22	10 48.09	+19 47.5	2.349	3.264	8.2	19.9
4 1	10 41.83	+19 48.6	2.416	3.259	11.0	20.1
4 11	10 37.37	+19 34.6	2.504	3.255	13.3	20.2

16699 1995 DC 3 4.6 332.°63 2.°4/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.98	+10 10.9	1.274	2.146	16.0	18.1
2 11	11 19.99	+10 29.2	1.193	2.125	11.7	17.7
2 21	11 13.10	+10 56.5	1.133	2.105	6.7	17.4
3 2	11 4.13	+11 26.0	1.097	2.086	2.4	17.1
3 12	10 54.46	+11 49.2	1.086	2.069	5.8	17.2
3 22	10 45.63	+11 59.3	1.100	2.052	11.2	17.5
4 1	10 39.03	+11 51.8	1.135	2.037	16.2	17.7
4 11	10 35.57	+11 25.3	1.188	2.024	20.5	17.9

298749 2004 GA_{79} 3 4.6 320.°87 1.°2/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 19.19	− 1 11.7	2.059	2.883	12.7	20.3
2 11	11 15.47	− 0 22.3	1.971	2.875	9.5	20.1
2 21	11 10.03	+ 0 44.3	1.907	2.867	5.9	19.9
3 2	11 3.44	+ 2 3.8	1.871	2.859	2.0	19.6
3 12	10 56.52	+ 3 29.8	1.865	2.852	2.8	19.6
3 22	10 50.13	+ 4 54.9	1.886	2.844	6.8	19.9
4 1	10 45.03	+ 6 12.1	1.935	2.837	10.5	20.1
4 11	10 41.82	+ 7 16.1	2.006	2.831	13.7	20.3

200559 2001 MQ_1 3 4.6 218.°88 2.°7/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.73	− 4 6.2	1.841	2.647	14.7	21.5
2 11	11 21.22	− 3 40.8	1.748	2.638	11.4	21.2
2 21	11 13.48	− 2 54.9	1.678	2.628	7.5	21.0
3 2	11 4.19	− 1 51.2	1.634	2.617	3.6	20.7
3 12	10 54.38	− 0 35.5	1.620	2.605	3.6	20.7
3 22	10 45.16	+ 0 44.3	1.634	2.592	7.6	20.9
4 1	10 37.56	+ 2 0.1	1.675	2.578	11.8	21.1
4 11	10 32.31	+ 3 5.3	1.738	2.564	15.5	21.3

57418 2001 SE_4 3 4.6 194.°75 1.°8/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.61	− 1 16.2	1.914	2.728	14.0	19.9
2 11	11 21.70	− 0 52.7	1.828	2.726	10.6	19.7
2 21	11 13.66	− 0 12.6	1.767	2.722	6.6	19.4
3 2	11 4.21	+ 0 40.8	1.733	2.719	2.6	19.1
3 12	10 54.36	+ 1 41.8	1.728	2.714	3.2	19.2
3 22	10 45.16	+ 2 43.6	1.752	2.708	7.4	19.4
4 1	10 37.57	+ 3 39.6	1.803	2.702	11.4	19.6
4 11	10 32.25	+ 4 24.8	1.877	2.695	14.8	19.8

353224 2010 AP_{30} 3 4.6 346.°48 5.°0/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.76	− 2 49.0	0.977	1.835	20.8	20.0
2 11	11 18.88	− 3 28.9	0.907	1.824	16.3	19.7
2 21	11 12.69	− 3 43.7	0.854	1.813	11.1	19.3
3 2	11 4.08	− 3 33.1	0.822	1.805	6.1	19.0
3 12	10 54.69	− 3 1.8	0.812	1.798	5.9	19.0
3 22	10 46.33	− 2 18.9	0.823	1.793	10.9	19.2
4 1	10 40.64	− 1 35.1	0.854	1.789	16.5	19.5
4 11	10 38.59	− 1 0.4	0.903	1.787	21.4	19.8

207585 Lubar 3 4.6 281.°43 0.°7/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.89	+ 2 48.2	1.629	2.466	14.9	20.4
2 11	11 21.70	+ 3 0.4	1.531	2.443	11.1	20.2
2 21	11 13.95	+ 3 27.4	1.456	2.420	6.7	19.8
3 2	11 4.32	+ 4 5.6	1.406	2.396	1.8	19.5
3 12	10 53.96	+ 4 49.1	1.385	2.372	3.7	19.5
3 22	10 44.14	+ 5 30.7	1.391	2.347	8.9	19.8
4 1	10 36.11	+ 6 4.2	1.421	2.323	13.6	20.0
4 11	10 30.74	+ 6 24.8	1.473	2.298	17.8	20.2

465400 2008 GM_{108} 3 4.6 161.°94 5.°1/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.08	+20 31.9	2.180	3.029	11.2	20.9
2 11	11 22.46	+21 29.0	2.119	3.035	8.3	20.7
2 21	11 13.93	+22 23.1	2.086	3.040	5.9	20.6
3 2	11 4.24	+23 7.5	2.081	3.045	5.2	20.5
3 12	10 54.39	+23 36.1	2.105	3.050	7.0	20.7
3 22	10 45.33	+23 45.9	2.157	3.053	9.7	20.8
4 1	10 37.90	+23 36.4	2.234	3.056	12.5	21.0
4 11	10 32.64	+23 9.3	2.331	3.059	14.8	21.2

115390 2003 SR_{279} 3 4.6 77.°83 6.°3/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.17	+23 51.3	1.965	2.819	12.0	19.2
2 11	11 22.56	+24 43.8	1.922	2.835	9.2	19.1
2 21	11 13.96	+25 29.5	1.904	2.852	6.9	19.0
3 2	11 4.24	+26 0.9	1.913	2.868	6.5	19.0
3 12	10 54.50	+26 12.8	1.950	2.884	8.2	19.1
3 22	10 45.78	+26 3.1	2.013	2.900	10.8	19.3
4 1	10 38.91	+25 32.9	2.100	2.917	13.4	19.5
4 11	10 34.37	+24 45.1	2.206	2.932	15.6	19.7

283937 2004 PY_{35} 3 4.6 164.°17 0.°5/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.50	+ 1 0.4	2.018	2.839	13.1	21.1
2 11	11 20.70	+ 1 49.9	1.942	2.846	9.6	20.8
2 21	11 12.99	+ 2 54.3	1.891	2.852	5.7	20.6
3 2	11 4.07	+ 4 8.5	1.869	2.858	1.5	20.3
3 12	10 54.88	+ 5 25.7	1.876	2.862	3.0	20.5
3 22	10 46.37	+ 6 38.7	1.914	2.866	7.2	20.7
4 1	10 39.39	+ 7 41.7	1.978	2.869	10.9	21.0
4 11	10 34.52	+ 8 30.6	2.066	2.871	14.1	21.2

292716 2006 UU_{133} 3 4.6 188.°07 3.°1/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.35	− 7 15.0	2.593	3.376	11.6	21.2
2 11	11 15.98	− 6 54.4	2.504	3.376	9.1	21.0
2 21	11 10.18	− 6 17.6	2.439	3.375	6.3	20.9
3 2	11 3.49	− 5 26.6	2.401	3.374	3.8	20.7
3 12	10 56.55	− 4 25.2	2.393	3.373	3.3	20.7
3 22	10 50.06	− 3 18.3	2.415	3.372	5.5	20.8
4 1	10 44.64	− 2 11.4	2.465	3.371	8.4	21.0
4 11	10 40.78	− 1 9.6	2.540	3.370	11.0	21.1

473001 2015 HZ_{34} 3 4.6 254.°07 2.°2/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.78	+11 28.2	2.531	3.378	9.9	21.1
2 11	11 17.08	+12 17.6	2.446	3.367	7.1	20.9
2 21	11 10.85	+13 12.0	2.388	3.356	4.1	20.7
3 2	11 3.63	+14 6.4	2.360	3.345	2.2	20.5
3 12	10 56.14	+14 55.4	2.361	3.333	4.2	20.7
3 22	10 49.10	+15 34.6	2.391	3.321	7.3	20.8
4 1	10 43.19	+16 1.0	2.447	3.309	10.2	21.0
4 11	10 38.94	+16 13.3	2.526	3.297	12.7	21.2

100759 1998 FG_9 3 4.6 323.°37 6.°2/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.01	+23 37.7	2.066	2.923	11.4	19.3
2 11	11 20.45	+24 28.1	1.999	2.914	8.8	19.1
2 21	11 12.88	+25 13.5	1.957	2.906	6.7	19.0
3 2	11 4.06	+25 46.4	1.942	2.898	6.3	18.9
3 12	10 54.98	+26 1.2	1.955	2.891	8.1	19.0
3 22	10 46.67	+25 54.9	1.994	2.883	10.8	19.2
4 1	10 39.99	+25 27.4	2.056	2.876	13.5	19.3
4 11	10 35.52	+24 40.9	2.138	2.870	15.9	19.5

415316 2013 HC_{13} 3 4.6 211.°33 3.°6/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.98	+12 43.5	1.829	2.685	12.7	21.4
2 11	11 20.62	+13 56.4	1.756	2.680	9.1	21.2
2 21	11 13.08	+15 15.7	1.708	2.675	5.5	20.9
3 2	11 4.12	+16 33.1	1.687	2.669	3.6	20.8
3 12	10 54.78	+17 40.1	1.696	2.663	6.1	21.0
3 22	10 46.16	+18 30.3	1.732	2.657	9.9	21.2
4 1	10 39.24	+18 59.9	1.792	2.649	13.5	21.4
4 11	10 34.67	+19 8.4	1.872	2.642	16.6	21.6

215663 2003 UX_{210} 3 4.6 337.°49 3.°8/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.13	− 5 13.8	1.549	2.366	16.6	20.2
2 11	11 19.55	− 5 9.5	1.471	2.364	12.9	20.0
2 21	11 12.59	− 4 42.4	1.414	2.363	8.8	19.7
3 2	11 4.03	− 3 54.5	1.382	2.361	4.8	19.5
3 12	10 55.02	− 2 51.7	1.376	2.360	4.4	19.4
3 22	10 46.79	− 1 42.0	1.397	2.359	8.2	19.7
4 1	10 40.43	− 0 34.1	1.443	2.358	12.5	19.9
4 11	10 36.64	+ 0 24.1	1.510	2.357	16.3	20.1

288624 2004 OY_9 3 4.6 315.°55 2.°9/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.26	+11 17.9	1.474	2.338	14.6	19.9
2 11	11 20.68	+11 50.4	1.387	2.315	10.7	19.6
2 21	11 13.41	+12 30.9	1.322	2.293	6.2	19.3
3 2	11 4.24	+13 12.2	1.284	2.271	2.9	19.0
3 12	10 54.39	+13 46.0	1.272	2.250	5.9	19.1
3 22	10 45.26	+14 5.4	1.285	2.229	10.8	19.4
4 1	10 38.11	+14 6.3	1.320	2.209	15.4	19.6
4 11	10 33.82	+13 47.4	1.375	2.189	19.4	19.8

27799 1993 FQ_{23} 3 4.6 126.°02 3.°0/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.82	− 4 23.4	1.558	2.375	16.5	19.0
2 11	11 20.66	− 3 56.8	1.488	2.384	12.6	18.8
2 21	11 13.16	− 3 7.3	1.440	2.392	8.2	18.6
3 2	11 4.14	− 1 58.5	1.417	2.400	4.0	18.3
3 12	10 54.80	− 0 37.9	1.422	2.407	3.9	18.3
3 22	10 46.34	+ 0 45.3	1.454	2.414	8.1	18.6
4 1	10 39.80	+ 2 2.1	1.511	2.421	12.4	18.9
4 11	10 35.84	+ 3 5.7	1.590	2.428	16.1	19.1

332542 2008 QT_8 3 4.6 194.°02 0.°3/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.37	+ 4 29.4	2.459	3.288	10.8	21.9
2 11	11 18.21	+ 5 12.8	2.375	3.286	7.8	21.7
2 21	11 11.50	+ 6 6.0	2.318	3.283	4.5	21.5
3 2	11 3.78	+ 7 4.7	2.289	3.280	0.9	21.2
3 12	10 55.80	+ 8 3.6	2.292	3.276	2.9	21.4
3 22	10 48.32	+ 8 57.7	2.324	3.272	6.4	21.6
4 1	10 42.02	+ 9 42.7	2.384	3.267	9.6	21.8
4 11	10 37.43	+10 15.8	2.467	3.261	12.4	22.0

145361 2005 MF_{29} 3 4.6 180.°94 0.°0/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 20.43	+ 2 57.9	2.568	3.395	10.4	20.6
2 11	11 16.03	+ 3 44.3	2.487	3.396	7.6	20.4
2 21	11 10.22	+ 4 41.1	2.432	3.396	4.4	20.2
3 2	11 3.51	+ 5 44.3	2.406	3.396	0.9	19.9
3 12	10 56.59	+ 6 48.8	2.410	3.396	2.6	20.0
3 22	10 50.14	+ 7 49.6	2.445	3.395	5.9	20.3
4 1	10 44.77	+ 8 42.2	2.506	3.395	9.0	20.5
4 11	10 40.95	+ 9 23.5	2.592	3.394	11.6	20.6

454742 2014 UW_{124} 3 4.6 317.°04 9.°1/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.85	−18 1.3	1.625	2.374	18.7	20.0
2 11	11 18.71	−18 33.9	1.539	2.369	16.1	19.8
2 21	11 12.18	−18 35.7	1.472	2.364	13.1	19.6
3 2	11 3.97	−18 3.9	1.426	2.359	10.4	19.4
3 12	10 55.22	−17 0.1	1.404	2.355	9.1	19.3
3 22	10 47.14	−15 30.9	1.407	2.350	10.1	19.3
4 1	10 40.87	−13 46.7	1.434	2.346	12.8	19.5
4 11	10 37.19	−11 59.5	1.484	2.342	15.9	19.7

212957 2009 BY_{57} 3 4.6 328.°51 2.°8/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.31	+ 0 59.9	1.159	2.014	18.4	19.6
2 11	11 20.57	+ 0 30.4	1.073	1.992	14.1	19.3
2 21	11 13.65	+ 0 18.3	1.006	1.970	9.0	18.9
3 2	11 4.34	+ 0 22.2	0.963	1.950	3.8	18.5
3 12	10 54.08	+ 0 37.7	0.943	1.930	4.7	18.5
3 22	10 44.58	+ 0 57.8	0.946	1.912	10.4	18.8
4 1	10 37.44	+ 1 14.9	0.971	1.895	16.1	19.0
4 11	10 33.73	+ 1 22.4	1.014	1.880	21.0	19.2

112291 2002 LO_{33} 3 4.6 285.°68 4.°6/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.11	− 5 27.4	1.584	2.395	16.5	19.9
2 11	11 21.20	− 5 47.4	1.488	2.376	13.1	19.6
2 21	11 13.71	− 5 46.9	1.412	2.357	9.2	19.3
3 2	11 4.32	− 5 25.6	1.362	2.338	5.5	19.1
3 12	10 54.19	− 4 46.9	1.338	2.319	5.1	19.0
3 22	10 44.62	− 3 57.2	1.340	2.300	8.7	19.1
4 1	10 36.85	− 3 4.4	1.367	2.280	13.2	19.3
4 11	10 31.80	− 2 16.6	1.415	2.261	17.2	19.5

268485 2005 XM_{76} 3 4.6 45.°20 5.°2/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.38	+16 31.6	1.652	2.521	13.1	20.1
2 11	11 18.77	+17 58.0	1.601	2.530	9.5	19.9
2 21	11 12.00	+19 26.0	1.575	2.539	6.3	19.7
3 2	11 3.90	+20 45.8	1.575	2.549	5.3	19.7
3 12	10 55.60	+21 48.5	1.603	2.559	7.7	19.8
3 22	10 48.23	+22 28.6	1.656	2.569	11.1	20.0
4 1	10 42.69	+22 44.1	1.732	2.580	14.4	20.3
4 11	10 39.54	+22 36.4	1.827	2.590	17.2	20.5

384938 2012 TV_{102} 3 4.6 200.°03 2.°3/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.56	+12 40.6	2.332	3.178	10.6	21.0
2 11	11 19.85	+13 8.8	2.257	3.177	7.7	20.8
2 21	11 12.45	+13 39.9	2.208	3.176	4.5	20.6
3 2	11 4.00	+14 9.3	2.189	3.174	2.3	20.5
3 12	10 55.32	+14 32.1	2.199	3.172	4.3	20.6
3 22	10 47.26	+14 44.8	2.238	3.170	7.6	20.8
4 1	10 40.54	+14 45.3	2.303	3.168	10.6	21.0
4 11	10 35.70	+14 33.0	2.391	3.166	13.3	21.2

333602 2007 GA_{27} 3 4.6 272.°54 2.°6/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.70	+10 54.7	2.005	2.857	11.9	20.9
2 11	11 18.90	+11 52.7	1.916	2.839	8.6	20.7
2 21	11 12.11	+12 58.3	1.853	2.821	5.0	20.4
3 2	11 3.96	+14 5.2	1.817	2.803	2.6	20.2
3 12	10 55.36	+15 5.9	1.811	2.785	5.1	20.3
3 22	10 47.29	+15 54.3	1.833	2.766	8.9	20.5
4 1	10 40.68	+16 26.1	1.879	2.747	12.5	20.7
4 11	10 36.17	+16 39.5	1.947	2.728	15.7	20.9

224375 2005 UU_{180} 3 4.6 150.°76 5.°3/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.17	−12 42.0	2.137	2.897	14.5	20.5
2 11	11 18.30	−12 34.2	2.054	2.902	11.8	20.3
2 21	11 11.65	−12 3.7	1.992	2.908	8.9	20.1
3 2	11 3.84	−11 11.3	1.956	2.913	6.2	20.0
3 12	10 55.75	−10 0.9	1.948	2.917	5.3	19.9
3 22	10 48.26	− 8 38.9	1.969	2.921	7.0	20.0
4 1	10 42.15	− 7 12.6	2.017	2.925	9.8	20.2
4 11	10 38.01	− 5 49.8	2.089	2.929	12.7	20.4

343467 2010 EL_{67} 3 4.6 167.°55 0.°1/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.23	+ 3 12.0	2.296	3.127	11.3	20.8
2 11	11 16.75	+ 4 5.4	2.218	3.129	8.2	20.6
2 21	11 10.70	+ 5 10.4	2.165	3.130	4.7	20.4
3 2	11 3.64	+ 6 22.4	2.141	3.132	0.9	20.1
3 12	10 56.34	+ 7 35.2	2.148	3.133	2.9	20.2
3 22	10 49.58	+ 8 42.9	2.183	3.133	6.6	20.5
4 1	10 44.05	+ 9 40.5	2.246	3.134	9.9	20.7
4 11	10 40.25	+10 24.7	2.332	3.135	12.7	20.9

354748 2005 TW_{104} 3 4.6 124.°65 1.°9/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.99	− 1 4.4	1.627	2.448	15.7	21.7
2 11	11 22.81	− 0 42.6	1.562	2.463	11.8	21.4
2 21	11 14.32	− 0 2.8	1.520	2.478	7.3	21.2
3 2	11 4.40	+ 0 51.0	1.505	2.492	2.8	21.0
3 12	10 54.25	+ 1 51.7	1.519	2.505	3.5	21.0
3 22	10 45.07	+ 2 51.7	1.560	2.518	7.9	21.3
4 1	10 37.84	+ 3 44.1	1.627	2.530	12.1	21.6
4 11	10 33.17	+ 4 24.1	1.717	2.541	15.7	21.9

422230 2014 RT_{62} 3 4.6 145.°73 1.°7/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.01	+ 8 27.9	2.045	2.885	12.1	21.9
2 11	11 21.02	+ 9 19.7	1.979	2.897	8.7	21.7
2 21	11 13.17	+10 19.1	1.939	2.907	4.9	21.5
3 2	11 4.17	+11 20.2	1.928	2.917	1.7	21.3
3 12	10 54.98	+12 16.2	1.948	2.926	4.1	21.5
3 22	10 46.53	+13 1.8	1.996	2.935	7.9	21.7
4 1	10 39.64	+13 33.4	2.070	2.942	11.3	21.9
4 11	10 34.85	+13 49.3	2.166	2.949	14.2	22.1

237978 2002 RG_{244} 3 4.6 148.°72 0.°0/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.80	+ 3 52.9	2.392	3.221	11.0	21.4
2 11	11 17.80	+ 4 30.3	2.317	3.227	8.0	21.2
2 21	11 11.27	+ 5 17.5	2.268	3.232	4.6	21.0
3 2	11 3.78	+ 6 10.5	2.248	3.238	0.9	20.8
3 12	10 56.09	+ 7 4.1	2.258	3.243	2.8	20.9
3 22	10 48.95	+ 7 53.3	2.297	3.247	6.3	21.1
4 1	10 43.04	+ 8 34.1	2.364	3.252	9.5	21.4
4 11	10 38.84	+ 9 3.6	2.454	3.256	12.2	21.5

423783 2006 EK_{73} 3 4.6 103.°42 0.°3/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.42	+ 4 7.5	2.109	2.943	12.1	21.4
2 11	11 18.35	+ 4 57.2	2.046	2.959	8.7	21.2
2 21	11 11.60	+ 5 57.8	2.008	2.974	4.9	21.0
3 2	11 3.84	+ 7 4.0	1.999	2.989	1.0	20.7
3 12	10 55.93	+ 8 9.4	2.019	3.003	3.2	20.9
3 22	10 48.71	+ 9 8.1	2.069	3.018	7.0	21.2
4 1	10 42.90	+ 9 55.6	2.145	3.032	10.3	21.4
4 11	10 38.99	+10 29.2	2.244	3.046	13.2	21.6

367542 2009 RH_{32} 3 4.6 176.°23 1.°1/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.42	− 0 12.8	2.680	3.487	10.6	22.7
2 11	11 18.86	+ 0 19.4	2.595	3.490	7.9	22.5
2 21	11 11.84	+ 1 3.2	2.536	3.492	4.9	22.3
3 2	11 3.90	+ 1 55.5	2.507	3.494	1.7	22.1
3 12	10 55.74	+ 2 51.9	2.509	3.495	2.4	22.2
3 22	10 48.06	+ 3 47.6	2.542	3.495	5.6	22.4
4 1	10 41.49	+ 4 38.4	2.603	3.494	8.6	22.6
4 11	10 36.51	+ 5 20.6	2.690	3.493	11.2	22.8

173113 5038 $T\text{-}_2$ 3 4.6 145.°00 2.°6/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.44	− 2 56.4	1.903	2.710	14.3	20.6
2 11	11 21.50	− 2 47.9	1.828	2.720	10.9	20.4
2 21	11 13.53	− 2 22.6	1.777	2.728	7.1	20.2
3 2	11 4.27	− 1 43.0	1.754	2.736	3.4	19.9
3 12	10 54.73	− 0 54.2	1.759	2.744	3.5	20.0
3 22	10 45.95	− 0 2.3	1.793	2.751	7.1	20.2
4 1	10 38.80	+ 0 46.5	1.854	2.757	10.8	20.4
4 11	10 33.90	+ 1 27.0	1.937	2.763	14.1	20.6

57863 2001 XT_{227} 3 4.6 238.°55 6.°5/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.00	−14 25.1	2.159	2.904	14.8	19.2
2 11	11 19.81	−14 49.2	2.058	2.893	12.4	19.0
2 21	11 12.65	−14 51.5	1.979	2.881	9.8	18.8
3 2	11 4.12	−14 30.8	1.925	2.868	7.4	18.6
3 12	10 55.09	−13 48.8	1.898	2.856	6.5	18.6
3 22	10 46.51	−12 49.8	1.899	2.843	7.9	18.6
4 1	10 39.30	−11 40.6	1.927	2.829	10.5	18.8
4 11	10 34.14	−10 29.1	1.978	2.815	13.4	18.9

217072 2001 SD_{264} 3 4.6 184.°21 6.°4/11.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.47	−16 24.2	2.493	3.213	13.7	21.5
2 11	11 20.58	−16 49.7	2.400	3.214	11.5	21.3
2 21	11 12.95	−16 55.0	2.328	3.214	9.2	21.2
3 2	11 4.16	−16 39.0	2.282	3.213	7.2	21.1
3 12	10 55.02	−16 3.3	2.264	3.211	6.4	21.0
3 22	10 46.35	−15 11.6	2.275	3.209	7.4	21.1
4 1	10 38.94	−14 9.8	2.313	3.206	9.5	21.2
4 11	10 33.36	−13 4.5	2.376	3.202	11.8	21.3

308148 2005 AY_{29} 3 4.6 331.°16 1.°2/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.25	+ 6 1.8	1.306	2.170	16.2	20.4
2 11	11 19.31	+ 6 45.0	1.233	2.160	11.8	20.1
2 21	11 12.66	+ 7 44.0	1.181	2.152	6.7	19.8
3 2	11 4.14	+ 8 51.5	1.153	2.143	1.6	19.5
3 12	10 55.08	+ 9 57.5	1.152	2.136	5.0	19.7
3 22	10 46.91	+10 52.6	1.175	2.129	10.4	20.0
4 1	10 40.88	+11 29.9	1.220	2.123	15.3	20.2
4 11	10 37.79	+11 46.1	1.284	2.117	19.5	20.5

39038 2000 UE_{80} 3 4.6 265.°73 2.°6/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.43	− 2 23.7	1.649	2.470	15.5	18.5
2 11	11 20.56	− 2 11.8	1.556	2.456	11.9	18.2
2 21	11 13.27	− 1 40.1	1.486	2.441	7.7	17.9
3 2	11 4.28	− 0 51.0	1.441	2.425	3.5	17.7
3 12	10 54.67	+ 0 9.7	1.424	2.410	3.8	17.6
3 22	10 45.66	+ 1 14.4	1.434	2.394	8.2	17.9
4 1	10 38.40	+ 2 15.1	1.469	2.378	12.7	18.1
4 11	10 33.69	+ 3 5.0	1.526	2.362	16.7	18.3

325201 2008 FE_{131} 3 4.6 139.°78 0.°8/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.99	+ 0 1.5	2.096	2.915	12.7	21.5
2 11	11 18.83	+ 0 51.5	2.023	2.926	9.4	21.3
2 21	11 11.93	+ 1 56.4	1.976	2.936	5.6	21.1
3 2	11 3.94	+ 3 11.5	1.957	2.946	1.7	20.8
3 12	10 55.74	+ 4 30.1	1.968	2.955	2.8	20.9
3 22	10 48.19	+ 5 45.4	2.009	2.963	6.7	21.2
4 1	10 42.06	+ 6 51.6	2.077	2.971	10.3	21.4
4 11	10 37.87	+ 7 44.4	2.168	2.979	13.3	21.6

135515 2001 YT 3 4.6 106.°78 7.°5/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.55	+31 36.2	2.605	3.447	9.8	20.4
2 11	11 19.11	+33 21.8	2.577	3.465	8.2	20.3
2 21	11 12.02	+34 56.6	2.575	3.483	7.5	20.3
3 2	11 3.95	+36 13.7	2.602	3.501	7.9	20.4
3 12	10 55.75	+37 7.9	2.656	3.519	9.2	20.5
3 22	10 48.25	+37 37.4	2.734	3.536	10.9	20.6
4 1	10 42.14	+37 43.0	2.833	3.552	12.6	20.8
4 11	10 37.91	+37 27.5	2.950	3.569	14.0	20.9

80204 1999 VF_{58} 3 4.6 142.°32 2.°2/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.06	+ 8 54.5	1.625	2.472	14.4	20.2
2 11	11 23.64	+ 9 47.7	1.563	2.484	10.3	20.0
2 21	11 14.84	+10 49.9	1.526	2.494	5.8	19.8
3 2	11 4.57	+11 53.5	1.516	2.504	2.2	19.5
3 12	10 54.06	+12 50.1	1.535	2.513	5.0	19.8
3 22	10 44.55	+13 33.2	1.581	2.522	9.5	20.0
4 1	10 37.06	+13 58.7	1.653	2.529	13.5	20.3
4 11	10 32.21	+14 5.8	1.745	2.536	16.8	20.5

133313 2003 SO_{69} 3 4.6 191.°41 0.°2/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.70	+ 3 18.2	2.199	3.028	11.8	20.6
2 11	11 18.63	+ 3 46.2	2.118	3.027	8.7	20.4
2 21	11 11.83	+ 4 25.3	2.063	3.026	5.1	20.2
3 2	11 3.94	+ 5 11.4	2.035	3.025	1.2	19.9
3 12	10 55.77	+ 5 59.3	2.038	3.024	2.9	20.0
3 22	10 48.17	+ 6 43.9	2.070	3.022	6.7	20.3
4 1	10 41.91	+ 7 20.7	2.128	3.021	10.2	20.5
4 11	10 37.52	+ 7 46.5	2.210	3.018	13.2	20.7

211863 2004 GS_{31} 3 4.6 303.°68 3.°5/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.16	+15 59.6	2.220	3.072	10.8	20.0
2 11	11 19.68	+16 35.6	2.147	3.069	7.9	19.9
2 21	11 12.42	+17 12.3	2.101	3.066	4.9	19.7
3 2	11 4.06	+17 44.3	2.083	3.062	3.5	19.6
3 12	10 55.46	+18 6.2	2.095	3.059	5.4	19.7
3 22	10 47.52	+18 14.7	2.134	3.056	8.5	19.9
4 1	10 41.00	+18 8.0	2.199	3.053	11.5	20.0
4 11	10 36.44	+17 46.5	2.285	3.050	14.1	20.2

326344 2000 SR_{26} 3 4.6 211.°24 1.°7/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.92	− 2 46.1	2.333	3.138	12.0	21.7
2 11	11 18.05	− 2 4.6	2.240	3.132	9.1	21.5
2 21	11 11.51	− 1 6.9	2.172	3.125	5.8	21.3
3 2	11 3.88	+ 0 3.6	2.132	3.117	2.5	21.1
3 12	10 55.92	+ 1 21.6	2.122	3.109	2.7	21.1
3 22	10 48.43	+ 2 40.6	2.143	3.100	6.2	21.3
4 1	10 42.16	+ 3 54.7	2.191	3.090	9.6	21.5
4 11	10 37.66	+ 4 58.6	2.264	3.080	12.6	21.7

185702 1998 HK_3 3 4.6 242.°73 15.°2/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 51.84	+40 10.5	1.437	2.250	17.8	21.4
2 11	11 41.17	+41 55.1	1.372	2.229	16.1	21.2
2 21	11 25.73	+43 16.2	1.328	2.207	15.2	21.1
3 2	11 6.95	+43 55.1	1.308	2.183	15.8	21.0
3 12	10 47.40	+43 39.7	1.310	2.158	17.7	21.1
3 22	10 29.79	+42 29.3	1.334	2.132	20.4	21.2
4 1	10 16.21	+40 32.6	1.376	2.104	23.2	21.3
4 11	10 7.56	+38 3.2	1.432	2.074	25.8	21.4

503637 2016 GV_{172} 3 4.6 250.°24 5.°3/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.82	+19 58.2	2.057	2.912	11.5	21.2
2 11	11 21.12	+20 57.7	1.983	2.902	8.6	21.0
2 21	11 13.37	+21 55.9	1.934	2.891	6.0	20.8
3 2	11 4.29	+22 45.3	1.914	2.880	5.4	20.7
3 12	10 54.86	+23 19.1	1.921	2.869	7.3	20.8
3 22	10 46.12	+23 33.4	1.956	2.857	10.3	21.0
4 1	10 38.98	+23 26.7	2.015	2.845	13.3	21.2
4 11	10 34.06	+23 0.5	2.093	2.833	16.0	21.3

246242 2007 RW_{309} 3 4.6 61.°74 0.°1/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.23	+ 2 28.0	2.030	2.864	12.5	20.6
2 11	11 16.88	+ 3 18.7	1.964	2.876	9.1	20.4
2 21	11 10.83	+ 4 22.3	1.923	2.888	5.2	20.2
3 2	11 3.74	+ 5 33.6	1.909	2.899	1.1	19.9
3 12	10 56.46	+ 6 46.0	1.926	2.911	3.0	20.0
3 22	10 49.85	+ 7 52.9	1.970	2.923	6.9	20.3
4 1	10 44.64	+ 8 48.9	2.041	2.936	10.4	20.6
4 11	10 41.32	+ 9 30.7	2.135	2.948	13.4	20.8

370769 2004 RM_{303} 3 4.6 313.°27 3.°5/ 8.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.38	− 6 23.4	1.771	2.579	15.2	20.7
2 11	11 17.38	− 6 0.6	1.685	2.573	11.9	20.5
2 21	11 11.32	− 5 15.1	1.621	2.567	8.1	20.3
3 2	11 3.87	− 4 9.3	1.582	2.561	4.5	20.0
3 12	10 56.01	− 2 48.9	1.571	2.555	4.0	20.0
3 22	10 48.77	− 1 22.0	1.587	2.549	7.4	20.2
4 1	10 43.10	+ 0 2.5	1.630	2.544	11.4	20.4
4 11	10 39.64	+ 1 17.1	1.695	2.539	14.9	20.6

456775 2007 TY_{144} 3 4.6 117.°38 0.°5/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.87	+ 2 13.5	1.827	2.654	13.9	22.4
2 11	11 21.77	+ 2 47.7	1.765	2.673	10.2	22.2
2 21	11 13.66	+ 3 35.5	1.728	2.691	6.0	22.0
3 2	11 4.33	+ 4 31.8	1.718	2.708	1.5	21.7
3 12	10 54.84	+ 5 29.9	1.738	2.724	3.2	21.9
3 22	10 46.23	+ 6 23.3	1.787	2.740	7.5	22.2
4 1	10 39.35	+ 7 6.7	1.861	2.755	11.3	22.4
4 11	10 34.76	+ 7 36.9	1.959	2.770	14.5	22.7

145305 2005 KT_{10} 3 4.6 223.°67 3.°7/29.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.79	+13 46.5	2.010	2.863	11.8	20.7
2 11	11 20.40	+14 58.4	1.932	2.854	8.5	20.5
2 21	11 12.99	+16 15.4	1.879	2.845	5.2	20.3
3 2	11 4.22	+17 30.0	1.855	2.835	3.7	20.2
3 12	10 55.07	+18 34.2	1.860	2.824	6.0	20.3
3 22	10 46.54	+19 22.2	1.893	2.813	9.5	20.5
4 1	10 39.54	+19 50.7	1.951	2.801	12.9	20.6
4 11	10 34.73	+19 59.0	2.030	2.789	15.8	20.8

340346 2006 DL_{63} 3 4.6 291.°27 0.°5/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.92	+ 7 49.1	1.942	2.778	12.9	20.0
2 11	11 23.61	+ 7 43.3	1.838	2.752	9.5	19.7
2 21	11 14.97	+ 7 43.7	1.760	2.726	5.5	19.5
3 2	11 4.67	+ 7 46.9	1.710	2.700	1.2	19.1
3 12	10 53.74	+ 7 48.5	1.690	2.674	3.7	19.2
3 22	10 43.31	+ 7 44.9	1.698	2.648	8.2	19.4
4 1	10 34.47	+ 7 32.9	1.733	2.621	12.3	19.6
4 11	10 28.01	+ 7 10.8	1.790	2.595	15.9	19.8

124885 2001 TT_{42} 3 4.6 140.°34 1.°1/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.14	+ 1 49.0	1.772	2.596	14.5	20.0
2 11	11 23.55	+ 1 59.9	1.702	2.607	10.7	19.8
2 21	11 14.76	+ 2 24.4	1.657	2.617	6.4	19.6
3 2	11 4.58	+ 2 58.7	1.639	2.627	2.0	19.3
3 12	10 54.15	+ 3 37.0	1.650	2.636	3.3	19.4
3 22	10 44.59	+ 4 13.5	1.690	2.645	7.7	19.7
4 1	10 36.88	+ 4 43.1	1.756	2.653	11.7	20.0
4 11	10 31.62	+ 5 2.2	1.844	2.660	15.1	20.2

508242 2015 HE_{37} 3 4.6 244.°77 1.°2/ 3.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.27	+ 8 9.6	2.660	3.499	9.7	22.0
2 11	11 16.69	+ 8 55.6	2.571	3.488	7.0	21.8
2 21	11 10.67	+ 9 48.4	2.509	3.477	3.9	21.6
3 2	11 3.72	+10 43.8	2.477	3.466	1.3	21.3
3 12	10 56.50	+11 36.9	2.475	3.454	3.3	21.5
3 22	10 49.69	+12 23.1	2.503	3.442	6.5	21.7
4 1	10 43.93	+12 59.0	2.557	3.430	9.4	21.8
4 11	10 39.72	+13 22.5	2.635	3.418	12.0	22.0

505014 2011 PP_{12} 3 4.6 189.°07 2.°6/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.67	+13 55.8	2.822	3.668	9.0	22.1
2 11	11 17.58	+14 45.8	2.747	3.667	6.5	21.9
2 21	11 11.12	+15 38.3	2.700	3.665	3.9	21.7
3 2	11 3.81	+16 28.4	2.683	3.664	2.6	21.6
3 12	10 56.30	+17 11.5	2.696	3.661	4.3	21.8
3 22	10 49.25	+17 44.1	2.739	3.659	6.9	21.9
4 1	10 43.27	+18 4.0	2.808	3.656	9.5	22.1
4 11	10 38.81	+18 10.4	2.900	3.652	11.7	22.2

450413 2005 TN_{120} 3 4.6 51.°62 0.°9/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.90	+ 1 1.3	1.136	1.990	18.8	21.4
2 11	11 21.18	+ 1 37.5	1.087	2.008	13.8	21.2
2 21	11 13.63	+ 2 35.4	1.060	2.026	8.2	20.9
3 2	11 4.35	+ 3 47.7	1.055	2.045	2.2	20.6
3 12	10 54.91	+ 5 3.5	1.076	2.064	4.2	20.8
3 22	10 46.79	+ 6 12.1	1.122	2.084	9.8	21.2
4 1	10 41.15	+ 7 5.2	1.190	2.103	14.7	21.5
4 11	10 38.60	+ 7 38.5	1.277	2.123	18.8	21.8

133511 2003 SV_{298} 3 4.6 175.°86 1.°6/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.10	+ 8 13.3	2.038	2.878	12.2	20.9
2 11	11 21.20	+ 9 4.2	1.964	2.881	8.8	20.7
2 21	11 13.37	+10 3.6	1.916	2.883	4.9	20.4
3 2	11 4.30	+11 5.3	1.896	2.885	1.7	20.2
3 12	10 54.95	+12 2.8	1.907	2.886	4.2	20.4
3 22	10 46.28	+12 50.2	1.946	2.886	8.0	20.6
4 1	10 39.16	+13 23.6	2.012	2.885	11.6	20.8
4 11	10 34.16	+13 41.2	2.100	2.884	14.6	21.0

210895 2001 SN_{154} 3 4.6 52.°52 3.°9/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.04	−10 2.6	2.017	2.801	14.4	20.1
2 11	11 16.02	− 9 22.1	1.950	2.820	11.4	19.9
2 21	11 10.34	− 8 18.7	1.906	2.839	8.1	19.7
3 2	11 3.65	− 6 55.6	1.888	2.858	5.0	19.6
3 12	10 56.81	− 5 19.1	1.898	2.878	4.1	19.6
3 22	10 50.64	− 3 37.3	1.937	2.897	6.4	19.7
4 1	10 45.88	− 1 58.2	2.003	2.917	9.6	20.0
4 11	10 42.99	− 0 28.9	2.094	2.937	12.5	20.2

436709 2011 UT_{17} 3 4.6 242.°14 4.°5/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.98	+22 12.6	2.911	3.757	8.8	21.7
2 11	11 19.32	+23 5.4	2.829	3.740	6.7	21.5
2 21	11 12.17	+23 55.7	2.774	3.723	4.9	21.4
3 2	11 4.04	+24 38.2	2.748	3.705	4.7	21.3
3 12	10 55.64	+25 8.2	2.753	3.687	6.1	21.4
3 22	10 47.69	+25 23.0	2.786	3.668	8.3	21.5
4 1	10 40.84	+25 21.3	2.844	3.649	10.5	21.6
4 11	10 35.60	+25 3.8	2.924	3.629	12.5	21.8

434835 2006 SG_{70} 3 4.6 160.°71 3.°3/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.66	+16 22.4	2.535	3.383	9.8	21.7
2 11	11 19.11	+17 2.1	2.466	3.386	7.1	21.5
2 21	11 12.02	+17 42.0	2.425	3.388	4.5	21.4
3 2	11 4.00	+18 17.2	2.413	3.391	3.3	21.3
3 12	10 55.81	+18 43.1	2.431	3.393	5.0	21.4
3 22	10 48.21	+18 56.5	2.478	3.394	7.7	21.6
4 1	10 41.86	+18 55.9	2.551	3.396	10.4	21.8
4 11	10 37.25	+18 41.5	2.645	3.397	12.7	21.9

123751 2001 AR_{27} 3 4.6 67.°14 5.°8/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.69	+20 3.1	1.783	2.644	12.6	19.2
2 11	11 21.03	+21 9.6	1.736	2.658	9.4	19.0
2 21	11 13.26	+22 13.1	1.714	2.672	6.6	18.9
3 2	11 4.25	+23 5.0	1.720	2.686	5.9	18.9
3 12	10 55.16	+23 38.5	1.753	2.700	7.9	19.0
3 22	10 47.04	+23 50.2	1.811	2.714	10.9	19.2
4 1	10 40.78	+23 39.8	1.893	2.729	13.9	19.5
4 11	10 36.90	+23 9.5	1.995	2.743	16.4	19.7

372704 2009 WL_{249} 3 4.6 79.°38 2.°3/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.99	− 2 22.7	1.899	2.715	14.0	20.5
2 11	11 19.03	− 2 10.6	1.826	2.722	10.6	20.3
2 21	11 12.14	− 1 42.0	1.776	2.729	6.8	20.0
3 2	11 4.04	− 0 59.6	1.753	2.737	3.2	19.8
3 12	10 55.69	− 0 8.8	1.758	2.744	3.3	19.8
3 22	10 48.03	+ 0 44.2	1.792	2.751	6.9	20.1
4 1	10 41.92	+ 1 33.4	1.851	2.759	10.6	20.3
4 11	10 37.94	+ 2 13.7	1.934	2.766	13.9	20.5

348598 2005 XK_{6} 3 4.6 26.°59 3.°3/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.01	+10 47.8	1.186	2.058	16.9	20.2
2 11	11 22.11	+11 34.6	1.130	2.062	12.2	20.0
2 21	11 14.26	+12 30.7	1.095	2.067	7.0	19.7
3 2	11 4.51	+13 26.3	1.085	2.072	3.3	19.5
3 12	10 54.45	+14 11.1	1.099	2.078	6.6	19.7
3 22	10 45.62	+14 37.6	1.138	2.084	11.7	20.0
4 1	10 39.30	+14 42.2	1.198	2.091	16.3	20.3
4 11	10 36.16	+14 25.1	1.276	2.098	20.2	20.5

468994 2015 AM_{169} 3 4.6 27.°24 3.°6/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.84	+12 49.4	1.811	2.673	12.5	20.9
2 11	11 18.32	+14 1.2	1.748	2.675	9.0	20.7
2 21	11 11.78	+15 18.5	1.709	2.677	5.4	20.4
3 2	11 3.98	+16 33.4	1.697	2.679	3.6	20.3
3 12	10 55.91	+17 37.5	1.714	2.682	6.0	20.5
3 22	10 48.59	+18 24.9	1.758	2.685	9.7	20.7
4 1	10 42.90	+18 52.1	1.826	2.688	13.1	20.9
4 11	10 39.43	+18 58.9	1.913	2.691	16.0	21.1

340638 2006 QG_{155} 3 4.6 163.°48 0.°9/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.35	+ 7 53.5	2.736	3.570	9.6	21.8
2 11	11 18.06	+ 8 24.6	2.660	3.574	6.9	21.6
2 21	11 11.39	+ 9 1.4	2.611	3.578	3.9	21.4
3 2	11 3.88	+ 9 40.2	2.592	3.582	1.1	21.2
3 12	10 56.19	+10 16.8	2.604	3.585	3.0	21.4
3 22	10 48.99	+10 47.5	2.646	3.588	6.0	21.6
4 1	10 42.89	+11 9.6	2.715	3.590	8.8	21.7
4 11	10 38.33	+11 21.3	2.808	3.593	11.3	21.9

412729 2014 OG_{344} 3 4.6 204.°81 6.°0/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.80	+17 21.2	1.833	2.694	12.4	20.7
2 11	11 20.66	+19 42.5	1.766	2.689	9.2	20.5
2 21	11 13.26	+22 8.3	1.726	2.684	6.5	20.3
3 2	11 4.32	+24 26.3	1.716	2.678	6.4	20.3
3 12	10 54.92	+26 24.7	1.735	2.671	8.9	20.4
3 22	10 46.18	+27 55.6	1.781	2.664	12.2	20.6
4 1	10 39.16	+28 55.6	1.851	2.656	15.3	20.8
4 11	10 34.56	+29 25.8	1.938	2.648	18.0	21.0

96986 1999 TK_{213} 3 4.6 311.°34 5.°2/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.48	−12 19.3	1.911	2.685	15.5	19.0
2 11	11 16.63	−11 54.9	1.821	2.681	12.6	18.8
2 21	11 10.86	−11 4.1	1.753	2.677	9.4	18.6
3 2	11 3.81	− 9 48.1	1.710	2.672	6.3	18.4
3 12	10 56.38	− 8 12.0	1.694	2.669	5.2	18.3
3 22	10 49.55	− 6 23.8	1.706	2.665	7.3	18.4
4 1	10 44.16	− 4 33.2	1.745	2.661	10.6	18.6
4 11	10 40.86	− 2 49.4	1.808	2.657	13.9	18.8

463681 2014 OJ_{187} 3 4.6 358.°07 3.°1/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.25	− 1 54.4	1.516	2.341	16.4	20.9
2 11	11 21.90	− 2 7.2	1.440	2.341	12.6	20.7
2 21	11 14.04	− 2 1.7	1.386	2.340	8.2	20.4
3 2	11 4.49	− 1 39.8	1.357	2.340	4.0	20.2
3 12	10 54.49	− 1 6.4	1.355	2.340	4.1	20.2
3 22	10 45.34	− 0 28.1	1.379	2.340	8.4	20.4
4 1	10 38.16	+ 0 8.1	1.428	2.340	12.8	20.7
4 11	10 33.72	+ 0 36.3	1.499	2.341	16.7	20.9

87476 2000 QH_{140} 3 4.6 149.°86 0.°0/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.92	+ 3 24.2	2.125	2.956	12.1	20.2
2 11	11 18.81	+ 4 8.5	2.051	2.962	8.8	20.0
2 21	11 11.97	+ 5 4.5	2.003	2.968	5.1	19.8
3 2	11 4.03	+ 6 7.4	1.983	2.973	1.1	19.5
3 12	10 55.85	+ 7 11.1	1.993	2.978	3.0	19.7
3 22	10 48.30	+ 8 9.6	2.032	2.983	6.9	19.9
4 1	10 42.15	+ 8 58.0	2.098	2.987	10.4	20.1
4 11	10 37.92	+ 9 33.2	2.186	2.991	13.4	20.4

44342 1998 RJ_{67} 3 4.6 63.°38 3.°8/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.28	− 8 10.4	2.029	2.819	14.1	18.6
2 11	11 17.03	− 7 48.4	1.947	2.822	11.2	18.4
2 21	11 11.01	− 7 5.4	1.888	2.825	7.8	18.2
3 2	11 3.83	− 6 3.4	1.855	2.828	4.7	18.0
3 12	10 56.37	− 4 47.5	1.850	2.831	4.0	18.0
3 22	10 49.51	− 3 24.8	1.874	2.834	6.7	18.1
4 1	10 44.03	− 2 2.7	1.924	2.836	10.0	18.3
4 11	10 40.50	− 0 48.2	1.999	2.839	13.1	18.5

285358 1999 RK_{255} 3 4.6 146.°07 2.°6/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.24	− 3 45.6	2.077	2.876	13.5	21.6
2 11	11 21.23	− 3 31.5	2.002	2.888	10.4	21.4
2 21	11 13.36	− 3 1.0	1.951	2.899	6.8	21.2
3 2	11 4.32	− 2 16.5	1.928	2.909	3.4	21.0
3 12	10 55.05	− 1 23.1	1.934	2.919	3.3	21.0
3 22	10 46.46	− 0 26.6	1.970	2.927	6.6	21.2
4 1	10 39.39	+ 0 27.1	2.033	2.935	10.1	21.4
4 11	10 34.38	+ 1 13.0	2.121	2.942	13.2	21.6

286761 2002 GO_{189} 3 4.6 235.°80 1.°4/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.66	+ 6 56.6	2.098	2.942	11.8	21.0
2 11	11 18.03	+ 7 56.2	2.016	2.935	8.5	20.7
2 21	11 11.59	+ 9 6.1	1.959	2.928	4.8	20.5
3 2	11 3.96	+10 20.5	1.931	2.920	1.5	20.3
3 12	10 56.00	+11 32.4	1.933	2.913	3.9	20.4
3 22	10 48.59	+12 35.3	1.963	2.905	7.8	20.6
4 1	10 42.55	+13 24.5	2.019	2.897	11.3	20.8
4 11	10 38.45	+13 57.2	2.097	2.889	14.3	21.0

94488 2001 UW_{23} 3 4.6 89.°32 2.°4/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.91	− 0 22.5	1.440	2.269	16.9	19.7
2 11	11 23.78	− 0 29.3	1.377	2.281	12.7	19.4
2 21	11 15.05	− 0 18.4	1.335	2.294	8.0	19.2
3 2	11 4.70	+ 0 7.2	1.320	2.305	3.3	18.9
3 12	10 54.06	+ 0 41.7	1.331	2.317	3.9	19.0
3 22	10 44.50	+ 1 18.0	1.369	2.329	8.6	19.3
4 1	10 37.12	+ 1 49.6	1.432	2.341	13.0	19.6
4 11	10 32.60	+ 2 11.5	1.515	2.352	16.8	19.9

328308 2008 HO_{19} 3 4.6 316.°44 1.°0/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.48	+ 3 52.2	1.549	2.402	14.7	20.7
2 11	11 17.00	+ 5 8.9	1.467	2.390	10.7	20.4
2 21	11 11.25	+ 6 44.6	1.409	2.379	6.1	20.1
3 2	11 3.92	+ 8 31.6	1.377	2.367	1.3	19.8
3 12	10 56.11	+10 19.3	1.373	2.356	4.5	19.9
3 22	10 48.96	+11 56.7	1.396	2.346	9.5	20.2
4 1	10 43.56	+13 15.6	1.442	2.336	14.0	20.4
4 11	10 40.63	+14 11.0	1.509	2.326	17.8	20.7

402955 2007 TN_{386} 3 4.6 119.°39 1.°5/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.64	+ 7 48.6	1.883	2.724	13.0	22.2
2 11	11 22.28	+ 8 36.4	1.826	2.743	9.3	22.0
2 21	11 13.94	+ 9 32.4	1.794	2.762	5.2	21.8
3 2	11 4.44	+10 30.4	1.791	2.780	1.6	21.6
3 12	10 54.81	+11 23.4	1.817	2.797	4.1	21.8
3 22	10 46.07	+12 5.9	1.872	2.814	8.1	22.1
4 1	10 39.07	+12 34.3	1.953	2.830	11.7	22.3
4 11	10 34.33	+12 47.1	2.056	2.845	14.7	22.6

28941 2000 UH_{8} 3 4.6 169.°06 5.°5/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.18	−13 54.2	2.284	3.032	14.0	19.4
2 11	11 18.29	−13 50.8	2.196	3.035	11.6	19.2
2 21	11 11.69	−13 25.4	2.130	3.038	8.9	19.1
3 2	11 3.99	−12 38.5	2.090	3.040	6.4	18.9
3 12	10 55.99	−11 33.3	2.078	3.042	5.5	18.8
3 22	10 48.52	−10 15.3	2.094	3.043	6.9	18.9
4 1	10 42.35	− 8 51.7	2.138	3.044	9.5	19.1
4 11	10 38.04	− 7 29.6	2.206	3.045	12.2	19.3

393865 2005 SY_{270} 3 4.6 103.°33 4.°1/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.61	+12 22.0	1.399	2.262	15.3	21.0
2 11	11 22.88	+13 35.7	1.346	2.274	11.0	20.8
2 21	11 14.54	+14 56.0	1.318	2.286	6.5	20.6
3 2	11 4.59	+16 12.5	1.315	2.298	4.1	20.5
3 12	10 54.43	+17 14.8	1.339	2.310	6.9	20.7
3 22	10 45.43	+17 56.1	1.389	2.321	11.3	20.9
4 1	10 38.69	+18 13.5	1.462	2.332	15.3	21.2
4 11	10 34.84	+18 7.8	1.553	2.343	18.6	21.5

360574 2003 UG_{156} 3 4.6 106.°81 0.°3/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.14	+ 1 29.5	1.686	2.521	14.6	21.0
2 11	11 20.00	+ 2 25.4	1.624	2.535	10.7	20.7
2 21	11 12.75	+ 3 37.8	1.584	2.549	6.2	20.5
3 2	11 4.21	+ 5 0.3	1.573	2.562	1.4	20.2
3 12	10 55.45	+ 6 24.5	1.590	2.576	3.4	20.4
3 22	10 47.55	+ 7 41.9	1.634	2.589	8.0	20.7
4 1	10 41.42	+ 8 45.9	1.705	2.601	12.0	21.0
4 11	10 37.63	+ 9 32.7	1.797	2.613	15.4	21.2

15371 Steward 3 4.6 235.°99 0.°1/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.13	+ 3 14.1	2.395	3.223	11.0	19.5
2 11	11 17.45	+ 3 49.1	2.307	3.216	8.1	19.3
2 21	11 11.19	+ 4 34.8	2.244	3.208	4.7	19.1
3 2	11 3.89	+ 5 27.5	2.210	3.200	1.1	18.8
3 12	10 56.30	+ 6 22.1	2.207	3.192	2.7	18.9
3 22	10 49.18	+ 7 13.4	2.232	3.184	6.3	19.1
4 1	10 43.23	+ 7 57.1	2.285	3.176	9.6	19.3
4 11	10 38.99	+ 8 29.8	2.361	3.167	12.5	19.5

367329 2008 BY_{35} 3 4.6 201.°22 1.°1/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.43	+ 6 3.1	2.372	3.204	11.0	20.8
2 11	11 19.13	+ 7 5.5	2.286	3.200	7.9	20.6
2 21	11 12.17	+ 8 17.9	2.227	3.194	4.5	20.4
3 2	11 4.10	+ 9 35.0	2.198	3.188	1.2	20.1
3 12	10 55.73	+10 50.4	2.200	3.181	3.5	20.3
3 22	10 47.85	+11 58.2	2.232	3.173	7.1	20.5
4 1	10 41.21	+12 53.7	2.291	3.164	10.4	20.7
4 11	10 36.36	+13 34.2	2.374	3.155	13.2	20.8

83112 2001 QO_{241} 3 4.6 231.°54 2.°6/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.52	− 6 25.7	2.413	3.198	12.3	20.9
2 11	11 18.55	− 5 40.1	2.306	3.182	9.6	20.7
2 21	11 11.89	− 4 35.4	2.224	3.166	6.5	20.4
3 2	11 4.06	− 3 13.9	2.170	3.149	3.4	20.2
3 12	10 55.83	− 1 40.9	2.147	3.131	3.1	20.1
3 22	10 47.99	− 0 3.1	2.155	3.112	6.1	20.3
4 1	10 41.31	+ 1 32.3	2.192	3.093	9.5	20.5
4 11	10 36.38	+ 2 59.0	2.254	3.072	12.6	20.6

155319 2006 AC_{31} 3 4.6 161.°41 3.°2/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.01	+13 5.1	2.045	2.898	11.6	20.6
2 11	11 19.70	+14 5.5	1.978	2.901	8.4	20.4
2 21	11 12.53	+15 10.2	1.937	2.903	5.0	20.2
3 2	11 4.18	+16 12.3	1.924	2.906	3.2	20.1
3 12	10 55.59	+17 5.0	1.940	2.908	5.4	20.2
3 22	10 47.69	+17 43.2	1.985	2.910	8.8	20.4
4 1	10 41.31	+18 4.2	2.054	2.912	12.0	20.6
4 11	10 37.00	+18 7.5	2.145	2.913	14.8	20.8

136461 2005 EO_{224} 3 4.6 213.°41 1.°7/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.59	+ 8 27.4	2.109	2.949	11.8	20.8
2 11	11 20.90	+ 9 17.1	2.025	2.942	8.6	20.6
2 21	11 13.27	+10 15.2	1.966	2.933	4.9	20.3
3 2	11 4.35	+11 16.2	1.936	2.924	1.7	20.1
3 12	10 55.06	+12 13.4	1.936	2.914	4.1	20.2
3 22	10 46.34	+13 1.1	1.965	2.904	8.0	20.4
4 1	10 39.07	+13 35.1	2.020	2.892	11.6	20.6
4 11	10 33.88	+13 53.4	2.098	2.880	14.6	20.8

310944 2003 TC_{12} 3 4.6 124.°12 1.°7/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.74	+ 8 7.0	1.882	2.725	12.9	21.3
2 11	11 21.68	+ 9 0.2	1.823	2.741	9.3	21.1
2 21	11 13.64	+10 1.7	1.789	2.757	5.2	20.9
3 2	11 4.41	+11 5.0	1.784	2.772	1.8	20.7
3 12	10 55.02	+12 2.9	1.808	2.787	4.3	20.9
3 22	10 46.49	+12 49.4	1.860	2.801	8.3	21.2
4 1	10 39.66	+13 21.0	1.939	2.814	11.8	21.4
4 11	10 35.08	+13 36.3	2.039	2.827	14.8	21.6

189045 2000 QL_{18} 3 4.6 200.°30 0.°3/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.94	+ 2 20.2	2.257	3.082	11.7	21.1
2 11	11 18.83	+ 3 1.5	2.172	3.078	8.6	20.9
2 21	11 12.02	+ 3 55.2	2.112	3.075	5.1	20.7
3 2	11 4.09	+ 4 57.0	2.081	3.070	1.2	20.4
3 12	10 55.86	+ 6 1.3	2.079	3.065	2.8	20.5
3 22	10 48.15	+ 7 2.2	2.108	3.060	6.6	20.7
4 1	10 41.72	+ 7 54.5	2.164	3.054	10.1	21.0
4 11	10 37.15	+ 8 34.8	2.243	3.048	13.1	21.1

292779 2006 UB_{215} 3 4.6 144.°50 1.°9/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.11	− 1 44.1	2.532	3.337	11.2	21.0
2 11	11 18.03	− 1 38.8	2.450	3.341	8.5	20.9
2 21	11 11.46	− 1 21.7	2.394	3.345	5.5	20.7
3 2	11 3.96	− 0 54.7	2.365	3.348	2.6	20.5
3 12	10 56.24	− 0 21.4	2.367	3.352	2.7	20.5
3 22	10 49.02	+ 0 14.2	2.398	3.355	5.6	20.7
4 1	10 42.95	+ 0 47.9	2.457	3.358	8.6	20.9
4 11	10 38.51	+ 1 16.1	2.540	3.361	11.3	21.1

128309 2004 BV_{93} 3 4.6 313.°59 5.°0/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.95	− 5 23.4	1.608	2.415	16.5	19.6
2 11	11 22.45	− 6 5.8	1.523	2.408	13.1	19.4
2 21	11 14.43	− 6 29.7	1.459	2.401	9.3	19.1
3 2	11 4.64	− 6 34.6	1.421	2.394	5.8	18.9
3 12	10 54.28	− 6 22.7	1.409	2.387	5.4	18.9
3 22	10 44.62	− 5 58.8	1.423	2.381	8.6	19.0
4 1	10 36.83	− 5 29.7	1.463	2.375	12.6	19.3
4 11	10 31.72	− 5 2.1	1.524	2.369	16.3	19.5

280488 2004 LL_{31} 3 4.6 177.°62 2.°8/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.21	− 5 13.7	2.122	2.913	13.5	21.0
2 11	11 21.29	− 4 50.9	2.036	2.917	10.5	20.8
2 21	11 13.47	− 4 10.0	1.975	2.919	7.0	20.6
3 2	11 4.41	− 3 13.4	1.941	2.920	3.7	20.4
3 12	10 55.02	− 2 6.1	1.937	2.920	3.4	20.4
3 22	10 46.24	− 0 54.7	1.963	2.920	6.7	20.6
4 1	10 38.91	+ 0 14.3	2.017	2.918	10.2	20.8
4 11	10 33.64	+ 1 15.0	2.095	2.916	13.4	21.0

241868 2001 TY_{222} 3 4.6 138.°66 4.°7/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.09	−12 7.3	2.402	3.161	13.1	20.5
2 11	11 16.70	−12 0.7	2.314	3.163	10.7	20.3
2 21	11 10.77	−11 34.3	2.250	3.165	8.0	20.1
3 2	11 3.83	−10 48.9	2.211	3.168	5.6	20.0
3 12	10 56.63	− 9 47.9	2.201	3.170	4.8	19.9
3 22	10 49.93	− 8 36.4	2.219	3.172	6.3	20.0
4 1	10 44.41	− 7 20.9	2.265	3.174	8.9	20.2
4 11	10 40.59	− 6 7.6	2.336	3.176	11.5	20.4

435321 2007 UZ_{139} 3 4.6 124.°11 5.°1/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.74	+21 20.0	2.319	3.174	10.4	21.2
2 11	11 19.34	+22 21.4	2.261	3.178	7.8	21.0
2 21	11 12.25	+23 19.7	2.230	3.183	5.7	20.9
3 2	11 4.13	+24 8.3	2.227	3.187	5.3	20.9
3 12	10 55.85	+24 41.9	2.252	3.192	6.9	21.0
3 22	10 48.25	+24 57.3	2.305	3.196	9.4	21.2
4 1	10 42.06	+24 53.7	2.382	3.200	11.9	21.3
4 11	10 37.78	+24 32.4	2.479	3.204	14.1	21.5

285887 2001 PH_{19} 3 4.6 128.°99 2.°2/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.62	+10 41.7	2.104	2.947	11.8	21.4
2 11	11 21.44	+11 26.5	2.044	2.962	8.4	21.2
2 21	11 13.45	+12 16.3	2.009	2.977	4.8	21.0
3 2	11 4.39	+13 5.3	2.004	2.990	2.2	20.8
3 12	10 55.18	+13 47.5	2.028	3.004	4.4	21.0
3 22	10 46.75	+14 18.6	2.081	3.016	7.9	21.2
4 1	10 39.86	+14 35.8	2.161	3.028	11.1	21.5
4 11	10 35.04	+14 38.3	2.263	3.040	13.9	21.7

400260 2007 RK_{87} 3 4.6 81.°46 0.°1/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.14	+ 2 32.3	1.520	2.360	15.6	21.1
2 11	11 21.53	+ 3 17.2	1.468	2.383	11.4	20.9
2 21	11 13.65	+ 4 17.8	1.440	2.405	6.6	20.7
3 2	11 4.43	+ 5 27.3	1.437	2.427	1.4	20.4
3 12	10 55.10	+ 6 37.1	1.463	2.449	3.7	20.6
3 22	10 46.83	+ 7 39.3	1.516	2.470	8.4	20.9
4 1	10 40.57	+ 8 27.8	1.593	2.492	12.6	21.2
4 11	10 36.87	+ 8 59.5	1.692	2.512	16.0	21.5

323756 2005 OG_{7} 3 4.6 114.°45 4.°1/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.97	+14 26.5	2.009	2.864	11.7	20.9
2 11	11 19.64	+16 1.2	1.957	2.881	8.4	20.7
2 21	11 12.47	+17 38.8	1.933	2.897	5.3	20.6
3 2	11 4.18	+19 10.8	1.938	2.914	4.2	20.5
3 12	10 55.75	+20 29.1	1.972	2.929	6.3	20.7
3 22	10 48.08	+21 28.3	2.033	2.944	9.5	20.9
4 1	10 41.98	+22 5.8	2.120	2.959	12.4	21.1
4 11	10 37.97	+22 22.0	2.227	2.973	14.9	21.3

375330 2008 RZ_{131} 3 4.6 144.°68 1.°8/ 2.7 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.88	+ 9 0.3	2.235	3.079	11.1	21.0
2 11	11 18.73	+ 9 53.7	2.167	3.086	8.0	20.8
2 21	11 11.92	+10 54.1	2.124	3.092	4.5	20.6
3 2	11 4.07	+11 55.7	2.111	3.099	1.8	20.4
3 12	10 56.03	+12 52.5	2.127	3.105	4.0	20.6
3 22	10 48.60	+13 39.3	2.173	3.110	7.4	20.8
4 1	10 42.52	+14 12.9	2.244	3.115	10.6	21.0
4 11	10 38.29	+14 31.4	2.338	3.120	13.3	21.2

214210 2005 EX_{71} 3 4.6 14.°35 2.°8/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.53	+ 9 52.7	1.394	2.258	15.3	20.0
2 11	11 20.78	+10 45.1	1.331	2.259	11.0	19.8
2 21	11 13.44	+11 47.3	1.290	2.261	6.3	19.5
3 2	11 4.43	+12 50.8	1.275	2.262	2.8	19.3
3 12	10 55.06	+13 45.9	1.286	2.264	5.8	19.5
3 22	10 46.69	+14 25.3	1.323	2.267	10.6	19.8
4 1	10 40.45	+14 44.6	1.382	2.270	14.9	20.0
4 11	10 37.01	+14 42.8	1.461	2.273	18.6	20.3

39430 4264 T_{-2} 3 4.6 264.°62 5.°5/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.23	+20 34.3	1.942	2.796	12.1	19.2
2 11	11 23.01	+21 20.6	1.867	2.785	9.1	19.0
2 21	11 14.56	+22 4.4	1.817	2.773	6.4	18.8
3 2	11 4.66	+22 38.0	1.794	2.761	5.6	18.7
3 12	10 54.40	+22 55.0	1.800	2.749	7.5	18.8
3 22	10 44.91	+22 51.7	1.832	2.737	10.7	19.0
4 1	10 37.18	+22 27.6	1.889	2.725	13.8	19.2
4 11	10 31.86	+21 44.6	1.965	2.713	16.6	19.3

197560 2004 FH_{128} 3 4.6 219.°15 0.°0/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.47	+ 4 4.8	1.705	2.539	14.5	21.0
2 11	11 23.42	+ 4 30.3	1.619	2.531	10.7	20.7
2 21	11 14.93	+ 5 9.2	1.558	2.523	6.2	20.5
3 2	11 4.76	+ 5 56.7	1.523	2.513	1.3	20.1
3 12	10 54.07	+ 6 46.1	1.517	2.503	3.7	20.2
3 22	10 44.10	+ 7 30.5	1.540	2.492	8.6	20.5
4 1	10 35.95	+ 8 4.3	1.587	2.480	13.0	20.7
4 11	10 30.38	+ 8 24.0	1.657	2.468	16.7	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
165227	2000 SP_{62}		3 4.6	161.°91	0.°5/ 5.2	18
	h m	° ′			°	m
2 1	11 27.47	+ 1 50.2	2.063	2.884	12.8	21.3
2 11	11 21.45	+ 2 27.3	1.987	2.891	9.5	21.1
2 21	11 13.54	+ 3 17.5	1.937	2.898	5.6	20.9
3 2	11 4.43	+ 4 16.4	1.915	2.905	1.4	20.6
3 12	10 55.06	+ 5 17.9	1.924	2.910	3.0	20.7
3 22	10 46.38	+ 6 15.8	1.962	2.914	7.0	21.0
4 1	10 39.21	+ 7 4.9	2.027	2.918	10.7	21.2
4 11	10 34.13	+ 7 41.5	2.115	2.920	13.8	21.4
217106	2001 XG_{96}		3 4.6	84.°75	0.°8/ 5.4	18
2 1	11 26.35	+ 1 30.7	1.837	2.665	13.9	20.7
2 11	11 20.66	+ 1 59.3	1.781	2.688	10.2	20.6
2 21	11 13.05	+ 2 41.6	1.749	2.710	6.0	20.4
3 2	11 4.31	+ 3 32.8	1.744	2.733	1.7	20.1
3 12	10 55.47	+ 4 26.6	1.768	2.755	3.0	20.2
3 22	10 47.50	+ 5 16.9	1.821	2.776	7.2	20.5
4 1	10 41.21	+ 5 58.4	1.899	2.798	10.9	20.8
4 11	10 37.12	+ 6 27.8	2.001	2.819	14.0	21.1
418347	2008 GN_{69}		3 4.6	316.°91	10.°5/24.3	17
2 1	11 27.06	+28 7.9	1.422	2.291	14.8	20.1
2 11	11 22.38	+29 43.6	1.353	2.266	12.2	19.9
2 21	11 14.64	+31 11.2	1.305	2.243	10.6	19.7
3 2	11 4.73	+32 16.9	1.282	2.219	11.0	19.7
3 12	10 54.16	+32 49.6	1.282	2.196	13.3	19.7
3 22	10 44.56	+32 44.1	1.304	2.174	16.6	19.8
4 1	10 37.36	+32 1.2	1.344	2.153	19.9	20.0
4 11	10 33.42	+30 46.4	1.399	2.132	22.8	20.2
462055	2007 EX_{26}		3 4.6	9.°46	5.°2/ 1.1	18
2 1	11 30.23	+18 37.2	1.545	2.407	14.2	20.3
2 11	11 23.98	+19 4.4	1.484	2.408	10.5	20.0
2 21	11 15.17	+19 29.2	1.447	2.410	6.9	19.8
3 2	11 4.79	+19 43.7	1.435	2.411	5.3	19.7
3 12	10 54.17	+19 41.4	1.451	2.414	7.5	19.9
3 22	10 44.67	+19 19.5	1.492	2.417	11.2	20.1
4 1	10 37.35	+18 38.0	1.557	2.420	14.9	20.3
4 11	10 32.86	+17 39.6	1.641	2.424	18.0	20.5
81351	2000 GH_{50}		3 4.6	216.°95	2.°4/ 7.6	18
2 1	11 23.97	− 5 23.9	2.560	3.346	11.6	20.8
2 11	11 18.76	− 4 51.7	2.458	3.335	9.0	20.6
2 21	11 11.98	− 4 3.2	2.381	3.324	6.1	20.4
3 2	11 4.12	− 3 0.6	2.332	3.311	3.2	20.2
3 12	10 55.92	− 1 48.3	2.314	3.298	2.9	20.1
3 22	10 48.11	− 0 31.9	2.327	3.284	5.8	20.3
4 1	10 41.41	+ 0 42.7	2.369	3.269	9.0	20.4
4 11	10 36.38	+ 1 50.2	2.436	3.253	11.8	20.6
106821	2000 XX_{45}		3 4.6	293.°67	6.°5/ 2.6	18
2 1	11 45.11	+20 15.4	1.043	1.905	19.5	18.2
2 11	11 36.18	+20 6.5	0.975	1.898	14.8	17.9
2 21	11 22.84	+19 48.5	0.928	1.891	9.7	17.6
3 2	11 6.49	+19 10.6	0.904	1.884	6.5	17.4
3 12	10 49.53	+18 5.9	0.906	1.877	9.2	17.5
3 22	10 34.43	+16 34.9	0.933	1.871	14.6	17.7
4 1	10 23.10	+14 43.8	0.982	1.865	19.9	18.0
4 11	10 16.39	+12 40.1	1.048	1.859	24.4	18.3
93876	2000 WZ_{125}		3 4.6	100.°95	3.°0/ 2.1	18
2 1	11 28.30	+13 33.7	1.923	2.774	12.4	19.8
2 11	11 22.11	+14 5.8	1.862	2.783	8.9	19.6
2 21	11 13.92	+14 40.4	1.826	2.793	5.3	19.4
3 2	11 4.52	+15 11.5	1.818	2.802	3.0	19.2
3 12	10 54.96	+15 33.5	1.839	2.811	5.2	19.4
3 22	10 46.25	+15 42.4	1.888	2.820	8.8	19.6
4 1	10 39.27	+15 36.5	1.962	2.829	12.1	19.9
4 11	10 34.54	+15 16.1	2.058	2.837	15.0	20.1
158093	2000 WT_{89}		3 4.6	162.°89	3.°1/ 1.5	18
2 1	11 25.41	+13 10.0	2.097	2.948	11.5	20.5
2 11	11 19.97	+14 3.7	2.029	2.951	8.2	20.3
2 21	11 12.69	+15 1.3	1.987	2.954	4.9	20.1
3 2	11 4.27	+15 56.4	1.974	2.956	3.1	19.9
3 12	10 55.61	+16 42.4	1.990	2.959	5.2	20.1
3 22	10 47.64	+17 14.9	2.034	2.960	8.6	20.3
4 1	10 41.15	+17 31.1	2.103	2.962	11.7	20.5
4 11	10 36.70	+17 30.6	2.194	2.963	14.5	20.7
5558	Johnnapier		3 4.6	105.°66	7.°8/26.1	18 R
2 1	11 26.17	+13 5.2	1.097	1.977	17.3	16.8
2 11	11 21.80	+16 47.1	1.055	1.990	12.4	16.6
2 21	11 14.25	+20 40.0	1.038	2.003	8.5	16.4
3 2	11 4.64	+24 19.0	1.048	2.016	8.4	16.4
3 12	10 54.63	+27 21.4	1.085	2.028	12.1	16.6
3 22	10 45.94	+29 34.2	1.146	2.040	16.6	16.9
4 1	10 39.92	+30 55.4	1.227	2.052	20.5	17.2
4 11	10 37.30	+31 30.6	1.322	2.062	23.6	17.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
180615	2004 FZ_{117}		3 4.6	17.°52	2.°1/ 3.0	18
	h m	° ′			°	m
2 1	11 25.25	+ 9 2.8	1.439	2.301	15.1	20.2
2 11	11 20.49	+ 9 42.4	1.376	2.303	10.9	20.0
2 21	11 13.24	+10 31.7	1.336	2.306	6.2	19.7
3 2	11 4.41	+11 23.3	1.321	2.310	2.2	19.5
3 12	10 55.26	+12 8.7	1.333	2.314	5.2	19.7
3 22	10 47.09	+12 41.1	1.371	2.318	9.9	20.0
4 1	10 40.96	+12 56.3	1.432	2.323	14.2	20.2
4 11	10 37.54	+12 53.0	1.512	2.329	17.8	20.5
501140	2013 TT_{52}		3 4.6	220.°75	4.°3/ 9.7	17
2 1	11 24.08	−11 0.3	2.560	3.316	12.4	22.5
2 11	11 18.89	−10 50.3	2.455	3.305	10.1	22.3
2 21	11 12.07	−10 21.7	2.373	3.292	7.5	22.1
3 2	11 4.16	− 9 35.1	2.319	3.279	5.1	21.9
3 12	10 55.87	− 8 33.6	2.294	3.265	4.4	21.9
3 22	10 47.97	− 7 22.1	2.299	3.251	6.2	21.9
4 1	10 41.19	− 6 6.5	2.332	3.236	8.9	22.1
4 11	10 36.09	− 4 53.1	2.391	3.219	11.7	22.2
173306	1999 UY_{43}		3 4.6	124.°67	0.°9/ 5.4	18
2 1	11 27.99	+ 1 45.8	1.856	2.681	13.9	21.1
2 11	11 21.94	+ 2 7.3	1.789	2.695	10.2	20.9
2 21	11 13.85	+ 2 42.2	1.747	2.708	6.1	20.7
3 2	11 4.52	+ 3 26.3	1.732	2.721	1.8	20.4
3 12	10 54.98	+ 4 13.8	1.747	2.733	3.1	20.5
3 22	10 46.26	+ 4 58.6	1.790	2.745	7.3	20.8
4 1	10 39.24	+ 5 35.5	1.859	2.756	11.2	21.0
4 11	10 34.50	+ 6 1.0	1.951	2.767	14.4	21.3
355767	2008 RK_{45}		3 4.6	187.°31	1.°3/ 3.6	18
2 1	11 30.58	+ 7 35.0	1.783	2.622	13.7	21.7
2 11	11 24.04	+ 8 7.8	1.706	2.622	10.0	21.5
2 21	11 15.19	+ 8 49.8	1.654	2.621	5.7	21.2
3 2	11 4.83	+ 9 35.5	1.630	2.620	1.5	21.0
3 12	10 54.10	+10 18.0	1.636	2.618	4.2	21.1
3 22	10 44.16	+10 51.4	1.669	2.614	8.7	21.4
4 1	10 36.05	+11 11.6	1.729	2.611	12.7	21.6
4 11	10 30.45	+11 16.7	1.810	2.606	16.1	21.8
468320	2016 CQ_{75}		3 4.7	340.°86	6.°3/29.7	18
2 1	11 27.16	+18 8.6	1.229	2.106	16.0	19.5
2 11	11 22.44	+18 52.5	1.163	2.095	11.9	19.3
2 21	11 14.64	+19 36.3	1.119	2.085	7.9	19.0
3 2	11 4.76	+20 9.2	1.098	2.075	6.3	18.9
3 12	10 54.38	+20 21.7	1.102	2.067	9.0	19.0
3 22	10 45.13	+20 8.5	1.130	2.060	13.4	19.2
4 1	10 38.40	+19 29.2	1.177	2.054	17.7	19.4
4 11	10 34.96	+18 26.8	1.243	2.049	21.5	19.7
58127	1981 EG_{37}		3 4.7	74.°42	3.°4/ 7.4	18
2 1	11 24.54	− 5 14.6	1.331	2.156	18.3	19.8
2 11	11 20.17	− 4 44.9	1.262	2.162	14.1	19.6
2 21	11 13.17	− 3 47.4	1.214	2.167	9.3	19.3
3 2	11 4.43	− 2 26.2	1.190	2.172	4.6	19.1
3 12	10 55.28	− 0 50.1	1.192	2.178	4.3	19.1
3 22	10 47.10	+ 0 49.2	1.219	2.183	8.8	19.3
4 1	10 41.05	+ 2 20.6	1.271	2.189	13.6	19.6
4 11	10 37.86	+ 3 35.6	1.344	2.194	17.7	19.9
264282	1998 FE_{63}		3 4.7	307.°55	4.°1/ 1.6	17
2 1	11 29.17	+16 8.9	1.710	2.567	13.3	19.6
2 11	11 23.20	+16 35.1	1.632	2.555	9.8	19.3
2 21	11 14.80	+17 2.0	1.578	2.543	6.1	19.1
3 2	11 4.77	+17 22.7	1.551	2.531	4.1	18.9
3 12	10 54.33	+17 30.7	1.551	2.520	6.4	19.1
3 22	10 44.71	+17 21.9	1.579	2.509	10.3	19.2
4 1	10 36.99	+16 55.2	1.631	2.498	14.1	19.5
4 11	10 31.90	+16 11.5	1.702	2.487	17.4	19.6
427114	2014 UE_{92}		3 4.7	31.°79	3.°0/ 2.2	18
2 1	11 23.37	+10 4.1	1.378	2.246	15.2	20.5
2 11	11 19.10	+11 6.1	1.327	2.258	10.9	20.3
2 21	11 12.41	+12 17.1	1.299	2.271	6.2	20.0
3 2	11 4.24	+13 27.8	1.297	2.284	3.0	19.9
3 12	10 55.90	+14 28.5	1.321	2.298	5.9	20.1
3 22	10 48.61	+15 11.9	1.370	2.313	10.4	20.4
4 1	10 43.38	+15 34.2	1.442	2.328	14.5	20.6
4 11	10 40.80	+15 35.0	1.533	2.344	17.9	20.9
122201	2000 LG_{21}		3 4.7	229.°32	4.°2/ 9.2	18
2 1	11 23.72	− 9 38.9	2.287	3.059	13.3	20.4
2 11	11 18.80	− 9 27.0	2.186	3.047	10.7	20.2
2 21	11 12.10	− 8 55.3	2.108	3.036	7.8	20.0
3 2	11 4.20	− 8 4.7	2.057	3.023	5.1	19.8
3 12	10 55.89	− 6 58.7	2.034	3.010	4.3	19.7
3 22	10 48.01	− 5 43.1	2.041	2.997	6.5	19.8
4 1	10 41.38	− 4 24.6	2.075	2.982	9.7	20.0
4 11	10 36.61	− 3 10.1	2.135	2.968	12.7	20.2

368144 2013 LZ_{15} 3 4.7 237.°54 7.°8/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.18	−17 12.8	2.261	2.978	15.0	20.4
2 11	11 22.99	−18 4.4	2.153	2.962	12.9	20.2
2 21	11 14.66	−18 35.5	2.067	2.945	10.6	20.0
3 2	11 4.78	−18 43.1	2.006	2.928	8.6	19.8
3 12	10 54.24	−18 26.9	1.972	2.910	7.8	19.7
3 22	10 44.07	−17 49.9	1.965	2.892	8.8	19.8
4 1	10 35.25	−16 57.7	1.985	2.872	11.1	19.9
4 11	10 28.55	−15 57.8	2.029	2.852	13.7	20.0

56634 2000 KZ_{11} 3 4.7 140.°25 3.°5/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.59	− 7 34.7	2.172	2.956	13.5	19.8
2 11	11 19.32	− 7 15.3	2.094	2.967	10.6	19.6
2 21	11 12.32	− 6 36.9	2.040	2.977	7.4	19.5
3 2	11 4.23	− 5 41.7	2.013	2.987	4.4	19.3
3 12	10 55.90	− 4 34.3	2.016	2.996	3.8	19.3
3 22	10 48.20	− 3 21.2	2.047	3.005	6.4	19.4
4 1	10 41.88	− 2 8.8	2.106	3.013	9.6	19.6
4 11	10 37.48	− 1 3.3	2.190	3.021	12.5	19.8

20885 2000 WD_2 3 4.7 199.°30 2.°9/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.71	− 4 59.4	2.470	3.257	12.0	18.5
2 11	11 20.04	− 5 0.2	2.377	3.253	9.4	18.3
2 21	11 12.73	− 4 46.6	2.308	3.249	6.4	18.1
3 2	11 4.33	− 4 20.1	2.268	3.244	3.6	17.9
3 12	10 55.60	− 3 43.8	2.258	3.239	3.3	17.8
3 22	10 47.33	− 3 1.9	2.277	3.233	6.0	18.0
4 1	10 40.28	− 2 19.3	2.325	3.226	9.0	18.2
4 11	10 34.97	− 1 40.7	2.397	3.219	11.9	18.4

63519 2001 OJ_{107} 3 4.7 95.°05 2.°1/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.13	− 0 38.1	1.494	2.320	16.6	18.6
2 11	11 23.83	− 0 32.8	1.435	2.338	12.4	18.4
2 21	11 15.07	− 0 9.5	1.399	2.356	7.8	18.1
3 2	11 4.82	+ 0 28.1	1.388	2.374	3.1	17.9
3 12	10 54.37	+ 1 13.3	1.405	2.392	3.7	18.0
3 22	10 45.02	+ 1 59.0	1.449	2.409	8.3	18.3
4 1	10 37.79	+ 2 38.4	1.519	2.426	12.6	18.6
4 11	10 33.30	+ 3 6.8	1.610	2.442	16.2	18.8

268555 2006 BF_{31} 3 4.7 45.°62 1.°5/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.43	+ 7 23.2	1.813	2.663	13.0	20.4
2 11	11 18.77	+ 8 13.1	1.744	2.666	9.4	20.2
2 21	11 12.12	+ 9 13.1	1.701	2.670	5.3	19.9
3 2	11 4.20	+10 16.8	1.684	2.673	1.6	19.7
3 12	10 56.02	+11 16.7	1.696	2.677	4.2	19.9
3 22	10 48.57	+12 6.5	1.735	2.681	8.3	20.1
4 1	10 42.72	+12 41.7	1.800	2.685	12.1	20.3
4 11	10 39.07	+13 0.0	1.886	2.689	15.3	20.6

67853 Iwamura 3 4.7 170.°65 1.°0/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.32	+ 5 42.2	1.925	2.763	12.9	20.2
2 11	11 20.79	+ 6 40.2	1.851	2.767	9.3	20.0
2 21	11 13.26	+ 7 49.7	1.803	2.770	5.3	19.7
3 2	11 4.45	+ 9 4.7	1.783	2.773	1.3	19.4
3 12	10 55.33	+10 17.4	1.792	2.775	3.9	19.6
3 22	10 46.92	+11 21.0	1.831	2.776	8.0	19.9
4 1	10 40.10	+12 10.3	1.896	2.776	11.8	20.1
4 11	10 35.46	+12 42.8	1.982	2.776	15.0	20.3

496949 2001 XM_{244} 3 4.7 71.°94 5.°1/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.68	−11 57.9	2.289	3.049	13.6	21.2
2 11	11 17.87	−12 7.2	2.216	3.064	11.1	21.0
2 21	11 11.46	−11 56.8	2.165	3.079	8.4	20.9
3 2	11 4.05	−11 27.5	2.140	3.094	6.0	20.8
3 12	10 56.45	−10 42.2	2.143	3.109	5.1	20.7
3 22	10 49.43	− 9 46.0	2.174	3.124	6.6	20.9
4 1	10 43.71	− 8 44.9	2.232	3.139	9.1	21.0
4 11	10 39.78	− 7 45.1	2.314	3.154	11.6	21.2

499072 2009 ET_{10} 3 4.7 301.°57 1.°6/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.69	+ 7 7.1	1.442	2.300	15.3	21.7
2 11	11 20.35	+ 7 51.6	1.359	2.285	11.1	21.5
2 21	11 13.37	+ 8 50.1	1.299	2.269	6.4	21.1
3 2	11 4.53	+ 9 55.6	1.265	2.254	1.8	20.8
3 12	10 55.08	+10 58.6	1.257	2.239	5.0	21.0
3 22	10 46.36	+11 50.7	1.274	2.225	10.2	21.2
4 1	10 39.63	+12 25.2	1.315	2.210	15.0	21.4
4 11	10 35.70	+12 39.2	1.375	2.196	19.0	21.7

143264 2003 AW_9 3 4.7 10.°79 1.°4/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.87	+ 0 56.3	1.891	2.721	13.4	19.2
2 11	11 18.30	+ 1 0.8	1.817	2.723	10.0	19.0
2 21	11 11.84	+ 1 18.7	1.766	2.726	6.2	18.8
3 2	11 4.16	+ 1 46.9	1.742	2.729	2.3	18.5
3 12	10 56.20	+ 2 20.5	1.746	2.733	3.0	18.6
3 22	10 48.91	+ 2 54.3	1.778	2.737	7.0	18.9
4 1	10 43.13	+ 3 23.3	1.835	2.742	10.7	19.1
4 11	10 39.44	+ 3 43.4	1.915	2.747	14.0	19.3

172029 2001 VP_{39} 3 4.7 132.°28 7.°7/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.87	+32 40.5	2.549	3.385	10.2	20.2
2 11	11 20.88	+33 53.5	2.507	3.392	8.6	20.1
2 21	11 13.16	+34 55.5	2.491	3.399	7.7	20.1
3 2	11 4.42	+35 39.8	2.502	3.406	8.0	20.1
3 12	10 55.56	+36 1.9	2.540	3.412	9.3	20.2
3 22	10 47.46	+36 0.5	2.602	3.418	11.0	20.3
4 1	10 40.86	+35 36.7	2.687	3.424	12.8	20.5
4 11	10 36.25	+34 53.3	2.789	3.430	14.3	20.6

90220 2003 BQ_2 3 4.7 297.°85 5.°3/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.15	− 6 33.8	1.709	2.508	16.0	19.3
2 11	11 22.06	− 7 12.8	1.600	2.479	12.9	19.1
2 21	11 14.40	− 7 33.8	1.513	2.450	9.4	18.8
3 2	11 4.79	− 7 35.2	1.451	2.421	6.1	18.5
3 12	10 54.29	− 7 18.5	1.415	2.392	5.7	18.4
3 22	10 44.16	− 6 48.1	1.407	2.363	8.8	18.5
4 1	10 35.66	− 6 10.3	1.423	2.334	12.9	18.7
4 11	10 29.75	− 5 32.9	1.461	2.305	16.9	18.8

84397 2002 TP_{178} 3 4.7 148.°26 4.°1/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.69	− 9 16.3	2.407	3.180	12.7	19.8
2 11	11 17.87	− 9 14.7	2.323	3.184	10.2	19.6
2 21	11 11.48	− 8 55.4	2.261	3.188	7.4	19.4
3 2	11 4.09	− 8 19.7	2.227	3.192	4.9	19.3
3 12	10 56.43	− 7 30.7	2.221	3.195	4.2	19.2
3 22	10 49.28	− 6 33.3	2.244	3.199	6.1	19.4
4 1	10 43.34	− 5 33.2	2.294	3.202	8.9	19.5
4 11	10 39.11	− 4 36.0	2.370	3.205	11.5	19.7

398019 2009 DM_{13} 3 4.7 54.°12 0.°0/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.59	+ 5 48.5	1.997	2.833	12.6	20.9
2 11	11 20.76	+ 5 52.9	1.937	2.850	9.1	20.7
2 21	11 13.13	+ 6 5.4	1.902	2.868	5.2	20.5
3 2	11 4.42	+ 6 22.5	1.895	2.885	1.1	20.3
3 12	10 55.60	+ 6 39.5	1.917	2.903	3.1	20.4
3 22	10 47.58	+ 6 52.6	1.968	2.921	7.0	20.7
4 1	10 41.13	+ 6 58.5	2.045	2.939	10.5	21.0
4 11	10 36.76	+ 6 55.4	2.145	2.957	13.4	21.2

287255 2002 TH_{103} 3 4.7 59.°40 3.°9/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.78	− 8 22.1	2.007	2.796	14.3	20.2
2 11	11 17.39	− 8 6.4	1.936	2.810	11.3	20.0
2 21	11 11.25	− 7 30.0	1.889	2.824	7.9	19.8
3 2	11 4.04	− 6 35.3	1.867	2.838	4.9	19.6
3 12	10 56.62	− 5 27.1	1.873	2.853	4.1	19.6
3 22	10 49.87	− 4 12.3	1.908	2.867	6.6	19.8
4 1	10 44.54	− 2 58.0	1.969	2.882	9.8	20.0
4 11	10 41.16	− 1 50.5	2.054	2.897	12.8	20.2

245630 2005 XM_{47} 3 4.7 123.°54 3.°6/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.27	+12 31.1	1.547	2.403	14.5	21.2
2 11	11 23.96	+13 27.8	1.491	2.415	10.5	20.9
2 21	11 15.17	+14 29.7	1.458	2.426	6.2	20.7
3 2	11 4.88	+15 28.3	1.453	2.437	3.6	20.6
3 12	10 54.39	+16 15.0	1.476	2.448	6.2	20.8
3 22	10 44.97	+16 44.0	1.525	2.458	10.4	21.0
4 1	10 37.68	+16 52.7	1.598	2.467	14.3	21.3
4 11	10 33.13	+16 41.9	1.691	2.476	17.5	21.5

472883 2015 FR_{315} 3 4.7 260.°56 1.°0/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.98	+ 6 3.7	2.349	3.188	10.8	21.7
2 11	11 16.71	+ 7 0.9	2.262	3.179	7.8	21.4
2 21	11 10.86	+ 8 8.1	2.202	3.170	4.4	21.2
3 2	11 3.97	+ 9 20.2	2.171	3.161	1.1	20.9
3 12	10 56.77	+10 31.1	2.170	3.151	3.4	21.1
3 22	10 50.04	+11 35.1	2.198	3.142	6.9	21.3
4 1	10 44.47	+12 27.4	2.252	3.132	10.2	21.5
4 11	10 40.62	+13 5.3	2.330	3.123	13.0	21.7

498587 2008 QS_{29} 3 4.7 230.°41 0.°5/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.71	+ 6 46.5	2.249	3.080	11.5	21.3
2 11	11 21.66	+ 7 0.0	2.158	3.070	8.4	21.1
2 21	11 13.74	+ 7 20.9	2.094	3.059	4.8	20.8
3 2	11 4.59	+ 7 45.6	2.058	3.048	1.0	20.5
3 12	10 55.08	+ 8 9.4	2.053	3.037	3.2	20.7
3 22	10 46.10	+ 8 28.3	2.078	3.026	7.0	20.9
4 1	10 38.49	+ 8 39.0	2.129	3.013	10.6	21.1
4 11	10 32.87	+ 8 39.4	2.204	3.001	13.6	21.3

173453 2000 QF_{16} 3 4.7 125.°07 1.°7/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.28	− 0 45.7	2.726	3.527	10.6	20.7
2 11	11 19.49	− 0 47.9	2.650	3.540	8.0	20.5
2 21	11 12.30	− 0 40.0	2.601	3.552	5.1	20.4
3 2	11 4.26	− 0 23.9	2.580	3.564	2.3	20.2
3 12	10 56.06	− 0 2.6	2.590	3.575	2.5	20.2
3 22	10 48.39	+ 0 20.6	2.631	3.586	5.3	20.4
4 1	10 41.84	+ 0 42.2	2.700	3.597	8.1	20.6
4 11	10 36.86	+ 0 59.3	2.794	3.608	10.6	20.8

218652 2005 SY_{125} 3 4.7 129.°13 0.°0/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.40	+ 2 50.4	2.147	2.974	12.1	21.5
2 11	11 19.16	+ 3 44.8	2.079	2.988	8.8	21.3
2 21	11 12.22	+ 4 51.3	2.037	3.002	5.1	21.1
3 2	11 4.25	+ 6 4.7	2.024	3.014	1.1	20.8
3 12	10 56.10	+ 7 18.5	2.041	3.027	3.0	21.0
3 22	10 48.60	+ 8 26.3	2.088	3.038	6.8	21.2
4 1	10 42.51	+ 9 23.1	2.162	3.050	10.2	21.5
4 11	10 38.31	+10 5.8	2.259	3.060	13.1	21.7

402891 2007 SF_3 3 4.7 200.°01 0.°6/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.80	+ 5 47.2	2.061	2.891	12.5	22.3
2 11	11 22.57	+ 6 19.8	1.976	2.887	9.1	22.1
2 21	11 14.32	+ 7 2.3	1.917	2.882	5.2	21.8
3 2	11 4.73	+ 7 50.1	1.886	2.876	1.1	21.5
3 12	10 54.77	+ 8 37.1	1.886	2.870	3.5	21.7
3 22	10 45.44	+ 9 18.0	1.915	2.862	7.6	21.9
4 1	10 37.62	+ 9 48.3	1.971	2.854	11.3	22.2
4 11	10 31.97	+10 5.4	2.050	2.845	14.5	22.3

214238 2005 ES_{182} 3 4.7 64.°36 2.°1/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.25	+ 8 37.1	1.388	2.246	15.8	20.1
2 11	11 22.56	+ 9 21.0	1.340	2.266	11.3	19.9
2 21	11 14.37	+10 14.2	1.315	2.285	6.3	19.7
3 2	11 4.72	+11 9.0	1.316	2.305	2.2	19.5
3 12	10 54.97	+11 56.5	1.344	2.325	5.1	19.7
3 22	10 46.42	+12 30.2	1.398	2.345	9.8	20.0
4 1	10 40.09	+12 46.4	1.475	2.365	14.0	20.3
4 11	10 36.53	+12 44.6	1.572	2.385	17.4	20.6

522374 2016 CW_{302} 3 4.7 263.°14 0.°7/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.44	+ 2 7.8	1.817	2.648	13.8	21.7
2 11	11 20.42	+ 2 29.3	1.727	2.637	10.3	21.5
2 21	11 13.22	+ 3 5.2	1.661	2.624	6.2	21.2
3 2	11 4.52	+ 3 51.7	1.623	2.612	1.7	20.9
3 12	10 55.34	+ 4 42.6	1.613	2.599	3.3	20.9
3 22	10 46.75	+ 5 31.5	1.630	2.587	7.8	21.2
4 1	10 39.76	+ 6 12.5	1.673	2.574	12.0	21.4
4 11	10 35.07	+ 6 41.2	1.739	2.561	15.6	21.6

372412 2009 RP_{43} 3 4.7 203.°50 1.°4/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.35	− 0 26.5	2.371	3.181	11.7	22.4
2 11	11 19.86	− 0 4.1	2.280	3.176	8.8	22.2
2 21	11 12.68	+ 0 31.2	2.214	3.170	5.5	22.0
3 2	11 4.38	+ 1 16.5	2.177	3.164	2.1	21.7
3 12	10 55.76	+ 2 7.4	2.170	3.157	2.6	21.8
3 22	10 47.62	+ 2 58.8	2.193	3.149	6.2	22.0
4 1	10 40.73	+ 3 45.6	2.244	3.141	9.6	22.2
4 11	10 35.63	+ 4 24.0	2.320	3.132	12.5	22.3

89379 2001 VV_{94} 3 4.7 198.°06 2.°8/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.09	+11 11.5	2.252	3.099	10.9	20.1
2 11	11 19.03	+12 30.6	2.175	3.096	7.8	19.9
2 21	11 12.22	+13 56.5	2.125	3.093	4.6	19.7
3 2	11 4.28	+15 22.3	2.105	3.088	2.8	19.6
3 12	10 56.04	+16 40.7	2.115	3.084	5.0	19.7
3 22	10 48.33	+17 45.7	2.154	3.078	8.3	19.9
4 1	10 41.95	+18 33.5	2.219	3.072	11.4	20.1
4 11	10 37.45	+19 2.6	2.306	3.066	14.1	20.2

237312 2008 YT_{133} 3 4.7 348.°18 0.°6/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.43	+ 5 51.0	1.911	2.754	12.7	20.5
2 11	11 18.75	+ 6 19.9	1.834	2.752	9.3	20.2
2 21	11 12.13	+ 6 58.9	1.783	2.750	5.3	20.0
3 2	11 4.27	+ 7 43.3	1.758	2.749	1.1	19.7
3 12	10 56.10	+ 8 27.1	1.763	2.747	3.5	19.9
3 22	10 48.59	+ 9 4.8	1.795	2.746	7.6	20.1
4 1	10 42.59	+ 9 31.7	1.852	2.745	11.4	20.3
4 11	10 38.70	+ 9 45.4	1.932	2.744	14.6	20.5

259261 2003 CZ_9 3 4.7 13.°59 2.°4/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.69	− 0 54.0	1.318	2.163	17.3	19.6
2 11	11 18.82	− 0 49.0	1.254	2.167	13.1	19.3
2 21	11 12.41	− 0 23.3	1.210	2.171	8.3	19.1
3 2	11 4.35	+ 0 19.3	1.191	2.177	3.4	18.8
3 12	10 55.93	+ 1 11.8	1.196	2.184	3.9	18.8
3 22	10 48.47	+ 2 5.5	1.227	2.192	8.7	19.1
4 1	10 43.09	+ 2 52.3	1.281	2.200	13.4	19.4
4 11	10 40.47	+ 3 26.3	1.355	2.210	17.4	19.7

366428 2001 VB_{44} 3 4.7 112.°36 12.°9/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.68	−35 36.1	2.191	2.769	18.7	20.1
2 11	11 21.33	−36 42.6	2.115	2.780	17.3	20.0
2 21	11 13.74	−37 17.5	2.054	2.792	15.8	19.9
3 2	11 4.63	−37 16.0	2.009	2.803	14.4	19.8
3 12	10 55.09	−36 36.9	1.985	2.814	13.3	19.7
3 22	10 46.23	−35 23.2	1.983	2.825	12.9	19.7
4 1	10 39.10	−33 41.9	2.003	2.835	13.3	19.7
4 11	10 34.37	−31 43.1	2.044	2.845	14.4	19.8

417044 2005 UY_{127} 3 4.7 85.°81 0.°9/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.08	+ 6 35.0	1.810	2.654	13.3	21.9
2 11	11 20.62	+ 7 10.9	1.750	2.668	9.6	21.7
2 21	11 13.16	+ 7 56.4	1.713	2.681	5.4	21.5
3 2	11 4.48	+ 8 45.8	1.705	2.695	1.3	21.2
3 12	10 55.63	+ 9 32.6	1.725	2.708	3.8	21.4
3 22	10 47.62	+10 11.0	1.773	2.721	8.0	21.7
4 1	10 41.31	+10 37.0	1.846	2.735	11.7	21.9
4 11	10 37.23	+10 48.6	1.941	2.748	14.8	22.2

521062 2015 DL_{238} 3 4.7 231.°01 0.°3/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.22	+ 3 16.8	2.495	3.319	10.8	21.7
2 11	11 18.25	+ 3 39.7	2.405	3.312	7.9	21.5
2 21	11 11.73	+ 4 12.4	2.342	3.304	4.7	21.2
3 2	11 4.19	+ 4 51.4	2.307	3.296	1.1	21.0
3 12	10 56.37	+ 5 32.6	2.302	3.288	2.5	21.1
3 22	10 48.99	+ 6 11.4	2.327	3.280	6.1	21.3
4 1	10 42.77	+ 6 44.0	2.379	3.271	9.3	21.5
4 11	10 38.20	+ 7 7.4	2.456	3.262	12.1	21.6

229095 2004 QC_7 3 4.7 123.°48 4.°5/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.54	+17 0.6	2.245	3.099	10.7	20.9
2 11	11 19.26	+18 39.5	2.194	3.115	7.8	20.7
2 21	11 12.29	+20 19.0	2.170	3.130	5.2	20.6
3 2	11 4.30	+21 51.0	2.177	3.145	4.7	20.6
3 12	10 56.14	+23 8.4	2.213	3.159	6.6	20.7
3 22	10 48.66	+24 6.4	2.277	3.173	9.3	20.9
4 1	10 42.58	+24 42.9	2.366	3.186	11.9	21.1
4 11	10 38.42	+24 58.7	2.475	3.199	14.1	21.3

204496 2005 CH_4 3 4.7 309.°65 3.°3/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.79	+ 0 34.1	1.397	2.230	17.1	19.5
2 11	11 25.10	− 0 15.4	1.303	2.209	13.2	19.2
2 21	11 16.34	− 0 52.2	1.231	2.188	8.6	18.8
3 2	11 5.28	− 1 16.3	1.183	2.167	4.1	18.5
3 12	10 53.27	− 1 29.9	1.162	2.147	4.7	18.5
3 22	10 41.91	− 1 36.7	1.167	2.127	9.6	18.7
4 1	10 32.69	− 1 41.9	1.195	2.108	14.7	18.9
4 11	10 26.65	− 1 50.7	1.244	2.090	19.2	19.1

488901 2005 TQ_{78} 3 4.7 250.°74 2.°3/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.42	− 2 45.1	1.706	2.521	15.3	22.0
2 11	11 22.15	− 2 19.1	1.604	2.501	11.8	21.7
2 21	11 14.41	− 1 31.9	1.525	2.480	7.6	21.4
3 2	11 4.84	− 0 26.0	1.473	2.458	3.3	21.1
3 12	10 54.53	+ 0 52.3	1.448	2.435	3.7	21.1
3 22	10 44.71	+ 2 14.4	1.452	2.411	8.3	21.3
4 1	10 36.58	+ 3 31.5	1.481	2.386	13.0	21.5
4 11	10 31.01	+ 4 36.2	1.533	2.361	17.1	21.7

120373 2005 PA_2 3 4.7 173.°34 2.°1/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.84	+ 8 33.5	2.306	3.148	10.9	20.2
2 11	11 18.77	+10 0.8	2.233	3.151	7.8	20.0
2 21	11 12.05	+11 36.9	2.186	3.154	4.4	19.8
3 2	11 4.27	+13 14.8	2.170	3.156	2.1	19.6
3 12	10 56.22	+14 47.0	2.184	3.157	4.4	19.8
3 22	10 48.71	+16 7.1	2.229	3.158	7.8	20.0
4 1	10 42.49	+17 10.7	2.300	3.159	10.9	20.2
4 11	10 38.08	+17 55.7	2.394	3.158	13.5	20.4

277783 2006 DF_{211} 3 4.7 292.°00 0.°3/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.54	+ 2 21.4	1.954	2.788	12.9	21.3
2 11	11 18.11	+ 2 59.8	1.872	2.783	9.5	21.1
2 21	11 11.79	+ 3 51.9	1.815	2.779	5.6	20.9
3 2	11 4.23	+ 4 53.5	1.785	2.775	1.4	20.6
3 12	10 56.33	+ 5 57.9	1.785	2.771	3.1	20.7
3 22	10 49.03	+ 6 58.6	1.812	2.767	7.3	20.9
4 1	10 43.17	+ 7 49.8	1.865	2.763	11.1	21.2
4 11	10 39.36	+ 8 27.5	1.941	2.759	14.4	21.4

323810 2005 RU_{13} 3 4.7 240.°75 0.°9/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.70	+ 1 45.1	1.915	2.742	13.4	21.8
2 11	11 20.49	+ 2 6.1	1.827	2.734	10.0	21.5
2 21	11 13.22	+ 2 40.9	1.763	2.725	6.0	21.3
3 2	11 4.55	+ 3 25.9	1.726	2.715	1.8	21.0
3 12	10 55.45	+ 4 15.4	1.719	2.706	3.1	21.0
3 22	10 46.94	+ 5 3.4	1.740	2.696	7.4	21.3
4 1	10 39.96	+ 5 44.1	1.786	2.685	11.4	21.5
4 11	10 35.17	+ 6 13.5	1.856	2.675	14.9	21.7

330958 2009 SK_{341} 3 4.7 266.°37 3.°8/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.23	− 6 19.5	1.925	2.723	14.5	21.6
2 11	11 19.52	− 6 14.5	1.826	2.707	11.5	21.4
2 21	11 12.73	− 5 49.5	1.749	2.691	8.0	21.1
3 2	11 4.47	− 5 5.6	1.698	2.674	4.7	20.9
3 12	10 55.67	− 4 6.9	1.675	2.657	4.2	20.8
3 22	10 47.35	− 2 59.8	1.681	2.640	7.3	21.0
4 1	10 40.49	− 1 51.7	1.712	2.623	11.1	21.2
4 11	10 35.80	− 0 49.7	1.767	2.605	14.7	21.3

209997 2006 JN_{16} 3 4.7 265.°32 0.°0/ 4.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.87	+ 3 16.8	1.687	2.525	14.4	21.3
2 11	11 20.98	+ 3 56.4	1.593	2.507	10.7	21.0
2 21	11 13.69	+ 4 52.1	1.522	2.488	6.3	20.7
3 2	11 4.70	+ 5 59.0	1.478	2.468	1.4	20.3
3 12	10 55.06	+ 7 9.3	1.462	2.448	3.8	20.4
3 22	10 45.99	+ 8 15.0	1.474	2.428	8.7	20.7
4 1	10 38.62	+ 9 8.7	1.511	2.407	13.3	20.9
4 11	10 33.75	+ 9 45.9	1.569	2.386	17.2	21.1

241876 2001 UL_{121} 3 4.7 132.°40 4.°6/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.64	+20 20.6	2.465	3.317	9.9	20.5
2 11	11 19.24	+21 18.2	2.407	3.324	7.4	20.4
2 21	11 12.26	+22 13.5	2.375	3.330	5.2	20.2
3 2	11 4.32	+23 0.5	2.372	3.336	4.7	20.2
3 12	10 56.22	+23 34.1	2.398	3.341	6.3	20.3
3 22	10 48.76	+23 51.3	2.452	3.347	8.8	20.5
4 1	10 42.62	+23 51.1	2.530	3.352	11.2	20.6
4 11	10 38.27	+23 34.3	2.630	3.357	13.3	20.8

162630 2000 SC_{146} 3 4.7 236.°23 0.°8/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.24	+ 1 12.9	1.905	2.728	13.6	21.0
2 11	11 21.71	+ 1 43.0	1.809	2.714	10.2	20.7
2 21	11 14.00	+ 2 28.6	1.738	2.698	6.2	20.4
3 2	11 4.75	+ 3 25.7	1.694	2.682	1.8	20.1
3 12	10 54.95	+ 4 28.3	1.679	2.665	3.2	20.2
3 22	10 45.68	+ 5 29.4	1.693	2.648	7.7	20.4
4 1	10 37.96	+ 6 22.6	1.733	2.629	11.9	20.6
4 11	10 32.52	+ 7 3.0	1.796	2.610	15.5	20.8

80764 2000 CP_{55} 3 4.7 139.°37 0.°1/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.54	+ 3 15.9	1.649	2.485	14.8	19.8
2 11	11 22.63	+ 4 2.8	1.584	2.496	10.8	19.6
2 21	11 14.44	+ 5 4.5	1.542	2.507	6.2	19.3
3 2	11 4.81	+ 6 14.8	1.527	2.517	1.3	19.0
3 12	10 54.91	+ 7 25.5	1.541	2.527	3.7	19.2
3 22	10 45.92	+ 8 28.7	1.583	2.535	8.4	19.5
4 1	10 38.83	+ 9 18.5	1.651	2.544	12.6	19.8
4 11	10 34.25	+ 9 51.4	1.740	2.551	16.1	20.0

497779 2006 SV_{341} 3 4.7 143.°93 0.°1/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.57	+ 5 3.0	2.781	3.606	9.8	22.0
2 11	11 18.27	+ 5 25.3	2.706	3.614	7.1	21.9
2 21	11 11.64	+ 5 54.7	2.658	3.622	4.1	21.7
3 2	11 4.19	+ 6 28.0	2.640	3.630	0.8	21.4
3 12	10 56.58	+ 7 1.4	2.652	3.637	2.4	21.6
3 22	10 49.45	+ 7 31.4	2.695	3.644	5.5	21.8
4 1	10 43.40	+ 7 55.0	2.765	3.651	8.4	22.0
4 11	10 38.86	+ 8 10.0	2.860	3.657	10.8	22.2

310934 2003 SJ_{295} 3 4.7 85.°07 4.°8/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.70	− 8 15.5	1.582	2.381	17.1	20.6
2 11	11 20.69	− 8 13.7	1.514	2.393	13.5	20.4
2 21	11 13.37	− 7 47.0	1.467	2.405	9.6	20.2
3 2	11 4.59	− 6 57.2	1.444	2.417	5.9	20.0
3 12	10 55.50	− 5 50.0	1.449	2.428	5.1	20.0
3 22	10 47.29	− 4 33.7	1.480	2.440	8.0	20.2
4 1	10 40.97	− 3 17.4	1.536	2.452	11.8	20.4
4 11	10 37.16	− 2 9.1	1.615	2.463	15.4	20.6

189221 2004 EN_{90} 3 4.7 80.°14 1.°8/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.09	+ 6 20.7	1.311	2.171	16.4	20.8
2 11	11 21.38	+ 7 24.3	1.248	2.174	11.9	20.5
2 21	11 13.95	+ 8 43.6	1.206	2.177	6.7	20.2
3 2	11 4.73	+10 9.6	1.190	2.179	2.0	19.9
3 12	10 55.12	+11 30.9	1.200	2.182	5.3	20.1
3 22	10 46.52	+12 37.7	1.236	2.185	10.6	20.4
4 1	10 40.15	+13 23.4	1.294	2.188	15.3	20.7
4 11	10 36.72	+13 45.7	1.372	2.191	19.2	21.0

145366 2005 MP_{39} 3 4.7 239.°42 0.°6/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.11	+ 1 55.3	2.675	3.494	10.3	21.0
2 11	11 17.40	+ 2 22.7	2.580	3.482	7.6	20.8
2 21	11 11.24	+ 3 0.5	2.510	3.471	4.6	20.6
3 2	11 4.12	+ 3 45.5	2.470	3.459	1.3	20.3
3 12	10 56.72	+ 4 33.7	2.460	3.446	2.4	20.4
3 22	10 49.70	+ 5 20.5	2.480	3.434	5.7	20.6
4 1	10 43.72	+ 6 2.0	2.528	3.421	8.8	20.8
4 11	10 39.26	+ 6 34.9	2.600	3.408	11.4	20.9

109922 2001 SU_{30} 3 4.7 89.°17 0.°0/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.69	+ 2 47.1	1.790	2.626	13.8	20.7
2 11	11 19.64	+ 3 36.8	1.729	2.642	10.1	20.4
2 21	11 12.63	+ 4 40.5	1.692	2.658	5.8	20.2
3 2	11 4.42	+ 5 52.2	1.683	2.673	1.2	19.9
3 12	10 56.03	+ 7 4.3	1.703	2.689	3.3	20.1
3 22	10 48.46	+ 8 9.5	1.751	2.704	7.6	20.4
4 1	10 42.54	+ 9 2.4	1.825	2.720	11.5	20.7
4 11	10 38.82	+ 9 39.5	1.921	2.735	14.7	20.9

21479 Marymartha 3 4.7 229.°33 1.°1/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.55	+ 5 23.5	1.695	2.536	14.2	18.3
2 11	11 22.15	+ 6 22.1	1.608	2.525	10.4	18.0
2 21	11 14.34	+ 7 35.6	1.545	2.513	5.9	17.7
3 2	11 4.84	+ 8 57.4	1.510	2.499	1.4	17.4
3 12	10 54.78	+10 18.5	1.503	2.486	4.4	17.5
3 22	10 45.36	+11 30.2	1.524	2.471	9.2	17.8
4 1	10 37.71	+12 25.9	1.571	2.455	13.6	18.0
4 11	10 32.60	+13 2.0	1.638	2.439	17.3	18.2

427395 1995 UB_{31} 3 4.7 145.°87 2.°1/ 7.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.33	− 3 32.2	2.216	3.020	12.6	22.4
2 11	11 18.44	− 3 2.6	2.138	3.027	9.6	22.2
2 21	11 11.88	− 2 16.8	2.083	3.033	6.2	22.0
3 2	11 4.27	− 1 18.0	2.056	3.039	2.9	21.8
3 12	10 56.42	− 0 11.3	2.059	3.045	2.9	21.8
3 22	10 49.13	+ 0 57.2	2.091	3.050	6.2	22.0
4 1	10 43.16	+ 2 1.6	2.151	3.055	9.5	22.2
4 11	10 39.02	+ 2 56.9	2.235	3.060	12.5	22.4

8948 1997 CW_{27} 3 4.7 140.°84 0.°7/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.50	+ 1 40.9	1.978	2.801	13.2	18.6
2 11	11 21.57	+ 2 11.1	1.908	2.812	9.8	18.4
2 21	11 13.71	+ 2 54.5	1.863	2.824	5.8	18.2
3 2	11 4.66	+ 3 46.7	1.845	2.834	1.6	17.9
3 12	10 55.39	+ 4 41.9	1.858	2.844	3.0	18.0
3 22	10 46.86	+ 5 34.0	1.899	2.853	7.1	18.3
4 1	10 39.90	+ 6 17.7	1.968	2.862	10.8	18.5
4 11	10 35.09	+ 6 49.6	2.059	2.870	13.9	18.8

399585 2003 SH_{332} 3 4.7 111.°34 0.°9/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.12	+ 5 24.8	1.773	2.613	13.7	21.7
2 11	11 21.40	+ 6 19.7	1.715	2.631	9.9	21.5
2 21	11 13.64	+ 7 26.2	1.681	2.648	5.6	21.3
3 2	11 4.65	+ 8 37.6	1.675	2.665	1.3	21.0
3 12	10 55.49	+ 9 45.9	1.698	2.681	3.9	21.3
3 22	10 47.21	+10 44.4	1.750	2.697	8.2	21.5
4 1	10 40.69	+11 28.3	1.827	2.713	11.9	21.8
4 11	10 36.47	+11 55.3	1.926	2.727	15.1	22.0

119989 2002 XB_{76} 3 4.7 156.°35 4.°6/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.54	+15 10.2	1.602	2.459	14.1	20.1
2 11	11 24.23	+16 17.3	1.542	2.465	10.2	19.9
2 21	11 15.43	+17 27.5	1.506	2.471	6.4	19.6
3 2	11 5.06	+18 31.3	1.497	2.476	4.7	19.5
3 12	10 54.41	+19 20.0	1.517	2.480	7.2	19.7
3 22	10 44.77	+19 47.9	1.562	2.484	11.0	19.9
4 1	10 37.22	+19 53.1	1.632	2.487	14.7	20.2
4 11	10 32.40	+19 36.9	1.720	2.490	17.8	20.4

208428 2001 TO_{16} 3 4.7 119.°98 0.°9/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.33	+ 5 28.9	2.598	3.431	10.1	20.8
2 11	11 16.76	+ 6 35.9	2.531	3.444	7.2	20.6
2 21	11 10.82	+ 7 51.5	2.491	3.457	4.0	20.4
3 2	11 4.05	+ 9 10.8	2.480	3.470	1.0	20.2
3 12	10 57.12	+10 27.8	2.501	3.482	3.0	20.4
3 22	10 50.71	+11 37.3	2.552	3.494	6.2	20.6
4 1	10 45.39	+12 35.4	2.630	3.506	9.1	20.8
4 11	10 41.61	+13 19.6	2.733	3.517	11.5	21.0

426564 2013 RF_{97} 3 4.7 137.°34 2.°0/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.10	+10 31.1	2.228	3.071	11.2	21.5
2 11	11 20.39	+11 11.1	2.161	3.080	8.0	21.3
2 21	11 12.98	+11 56.1	2.121	3.088	4.6	21.1
3 2	11 4.52	+12 40.9	2.110	3.097	2.0	20.9
3 12	10 55.88	+13 20.1	2.128	3.105	4.1	21.1
3 22	10 47.92	+13 49.2	2.176	3.112	7.5	21.3
4 1	10 41.36	+14 5.7	2.250	3.120	10.7	21.5
4 11	10 36.72	+14 8.4	2.346	3.126	13.3	21.7

500520 2012 TA_{304} 3 4.7 160.°07 0.°8/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.77	+ 7 0.9	2.856	3.687	9.4	22.4
2 11	11 17.70	+ 7 42.8	2.781	3.693	6.7	22.3
2 21	11 11.34	+ 8 31.2	2.733	3.699	3.8	22.1
3 2	11 4.16	+ 9 22.0	2.715	3.705	1.0	21.9
3 12	10 56.82	+10 11.0	2.728	3.710	2.8	22.0
3 22	10 49.94	+10 54.1	2.772	3.714	5.8	22.2
4 1	10 44.08	+11 28.4	2.843	3.718	8.5	22.4
4 11	10 39.68	+11 51.8	2.939	3.722	10.9	22.6

284091 2005 ME_4 3 4.7 230.°06 3.°0/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.51	+12 55.0	2.529	3.379	9.8	21.0
2 11	11 17.06	+14 14.3	2.449	3.371	7.0	20.8
2 21	11 11.09	+15 38.7	2.397	3.363	4.3	20.6
3 2	11 4.13	+17 1.8	2.375	3.355	3.0	20.5
3 12	10 56.88	+18 17.2	2.383	3.346	5.0	20.6
3 22	10 50.07	+19 19.8	2.420	3.337	7.9	20.8
4 1	10 44.39	+20 6.1	2.483	3.328	10.6	21.0
4 11	10 40.34	+20 34.9	2.568	3.319	13.1	21.1

323531 2004 RX_{179} 3 4.7 231.°82 4.°1/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.16	− 9 50.6	2.287	3.058	13.3	20.8
2 11	11 18.45	− 9 33.7	2.186	3.047	10.7	20.6
2 21	11 11.99	− 8 56.5	2.108	3.036	7.8	20.4
3 2	11 4.34	− 8 0.0	2.057	3.024	5.0	20.2
3 12	10 56.30	− 6 48.1	2.035	3.011	4.3	20.1
3 22	10 48.69	− 5 26.8	2.042	2.998	6.5	20.2
4 1	10 42.31	− 4 3.0	2.077	2.985	9.6	20.4
4 11	10 37.77	− 2 43.6	2.136	2.971	12.6	20.6

270240 2001 UH_{10} 3 4.7 182.°26 2.°3/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.29	+11 28.7	2.526	3.365	10.2	22.6
2 11	11 20.44	+12 22.7	2.450	3.366	7.3	22.4
2 21	11 13.00	+13 21.3	2.401	3.367	4.2	22.2
3 2	11 4.54	+14 19.1	2.382	3.367	2.3	22.1
3 12	10 55.85	+15 10.7	2.394	3.365	4.2	22.2
3 22	10 47.69	+15 51.8	2.436	3.363	7.3	22.4
4 1	10 40.76	+16 19.4	2.505	3.361	10.2	22.6
4 11	10 35.59	+16 32.5	2.596	3.357	12.7	22.8

341629 2007 VG_9 3 4.7 120.°77 0.°5/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.30	+ 5 4.3	2.481	3.313	10.6	21.4
2 11	11 17.51	+ 5 51.1	2.412	3.324	7.6	21.3
2 21	11 11.28	+ 6 46.6	2.369	3.335	4.3	21.1
3 2	11 4.17	+ 7 46.5	2.356	3.346	0.9	20.8
3 12	10 56.89	+ 8 45.3	2.372	3.356	2.9	21.0
3 22	10 50.15	+ 9 38.4	2.419	3.366	6.2	21.2
4 1	10 44.58	+10 21.7	2.492	3.376	9.2	21.4
4 11	10 40.63	+10 53.0	2.590	3.385	11.8	21.6

406299 2007 GY_{23} 3 4.7 276.°02 0.°5/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.34	+ 4 53.8	1.480	2.327	15.5	22.1
2 11	11 22.40	+ 5 26.7	1.388	2.307	11.5	21.8
2 21	11 14.70	+ 6 15.4	1.318	2.286	6.7	21.5
3 2	11 5.00	+ 7 14.3	1.275	2.265	1.4	21.1
3 12	10 54.52	+ 8 15.0	1.258	2.244	4.4	21.2
3 22	10 44.67	+ 9 9.0	1.268	2.222	9.8	21.5
4 1	10 36.78	+ 9 48.9	1.302	2.200	14.9	21.7
4 11	10 31.77	+10 10.6	1.355	2.178	19.1	21.9

140598 2001 TD_{238} 3 4.7 71.°32 7.°0/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.26	+21 48.5	1.628	2.491	13.5	18.9
2 11	11 22.41	+23 13.6	1.591	2.512	10.2	18.8
2 21	11 14.26	+24 33.2	1.579	2.532	7.6	18.7
3 2	11 4.80	+25 37.1	1.594	2.553	7.1	18.7
3 12	10 55.31	+26 17.9	1.635	2.573	9.2	18.8
3 22	10 46.95	+26 32.2	1.701	2.593	12.1	19.1
4 1	10 40.66	+26 20.6	1.789	2.614	15.0	19.3
4 11	10 36.95	+25 46.8	1.896	2.634	17.5	19.5

312121 2007 TK_{220} 3 4.7 86.°74 0.°9/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.56	+ 5 38.0	1.555	2.400	15.1	21.6
2 11	11 22.62	+ 6 21.4	1.503	2.422	10.9	21.4
2 21	11 14.41	+ 7 16.7	1.475	2.443	6.1	21.2
3 2	11 4.85	+ 8 17.0	1.474	2.464	1.3	20.9
3 12	10 55.18	+ 9 14.2	1.501	2.485	4.1	21.1
3 22	10 46.58	+10 1.3	1.555	2.505	8.7	21.4
4 1	10 39.99	+10 33.7	1.634	2.526	12.8	21.7
4 11	10 35.97	+10 49.5	1.734	2.545	16.1	22.0

197054 2003 UH_{149} 3 4.7 127.°00 1.°8/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.97	+ 9 49.4	2.369	3.210	10.7	21.1
2 11	11 19.48	+10 33.9	2.305	3.223	7.6	20.9
2 21	11 12.42	+11 23.7	2.268	3.235	4.3	20.7
3 2	11 4.42	+12 13.8	2.260	3.247	1.8	20.5
3 12	10 56.27	+12 58.7	2.282	3.259	3.8	20.7
3 22	10 48.74	+13 34.4	2.333	3.270	7.1	20.9
4 1	10 42.52	+13 57.9	2.411	3.281	10.1	21.1
4 11	10 38.08	+14 8.0	2.512	3.291	12.6	21.3

355806 2008 SZ_{259} 3 4.7 222.°99 2.°1/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.48	− 1 39.0	1.638	2.459	15.6	22.0
2 11	11 22.14	− 1 19.8	1.552	2.452	11.9	21.7
2 21	11 14.36	− 0 41.2	1.488	2.445	7.5	21.4
3 2	11 4.90	+ 0 13.8	1.451	2.436	3.1	21.2
3 12	10 54.89	+ 1 18.5	1.441	2.428	3.6	21.2
3 22	10 45.58	+ 2 25.1	1.459	2.419	8.2	21.4
4 1	10 38.08	+ 3 25.6	1.503	2.409	12.7	21.6
4 11	10 33.16	+ 4 13.9	1.568	2.399	16.6	21.9

368972 2007 CL_{29} 3 4.7 26.°47 1.°4/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.28	+ 6 14.2	1.551	2.406	14.6	20.8
2 11	11 18.99	+ 7 8.6	1.486	2.410	10.5	20.5
2 21	11 12.45	+ 8 15.9	1.445	2.414	5.9	20.3
3 2	11 4.46	+ 9 28.9	1.429	2.419	1.6	20.0
3 12	10 56.17	+10 38.7	1.441	2.424	4.5	20.2
3 22	10 48.73	+11 37.4	1.480	2.430	9.1	20.5
4 1	10 43.12	+12 19.2	1.542	2.436	13.3	20.7
4 11	10 39.97	+12 41.8	1.625	2.442	16.8	21.0

421709 2014 PH_{22} 3 4.7 102.°83 0.°8/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.88	+ 5 9.1	1.711	2.552	14.1	21.3
2 11	11 21.32	+ 6 0.5	1.652	2.569	10.2	21.1
2 21	11 13.64	+ 7 4.0	1.619	2.586	5.7	20.9
3 2	11 4.70	+ 8 12.9	1.612	2.602	1.2	20.6
3 12	10 55.59	+ 9 19.3	1.634	2.618	3.9	20.8
3 22	10 47.37	+10 16.2	1.685	2.634	8.3	21.1
4 1	10 40.95	+10 58.6	1.760	2.649	12.1	21.4
4 11	10 36.89	+11 24.2	1.857	2.664	15.4	21.6

89912 2002 EY_{13} 3 4.7 268.°11 1.°4/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.02	− 0 51.6	2.473	3.286	11.2	19.7
2 11	11 16.71	− 0 25.8	2.383	3.280	8.4	19.5
2 21	11 10.91	+ 0 12.8	2.319	3.275	5.3	19.3
3 2	11 4.13	+ 1 1.4	2.283	3.269	2.1	19.1
3 12	10 57.07	+ 1 55.6	2.276	3.263	2.5	19.1
3 22	10 50.46	+ 2 50.4	2.299	3.257	5.8	19.3
4 1	10 44.95	+ 3 40.9	2.349	3.251	8.9	19.5
4 11	10 41.05	+ 4 23.3	2.424	3.245	11.8	19.7

292443 2006 SB_{352} 3 4.7 166.°96 3.°5/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.01	− 9 55.3	2.759	3.523	11.5	21.5
2 11	11 16.55	− 9 34.0	2.669	3.526	9.2	21.4
2 21	11 10.75	− 8 55.8	2.604	3.529	6.6	21.2
3 2	11 4.09	− 8 2.4	2.566	3.531	4.3	21.1
3 12	10 57.21	− 6 57.3	2.558	3.533	3.6	21.0
3 22	10 50.76	− 5 45.3	2.580	3.535	5.4	21.1
4 1	10 45.32	− 4 31.7	2.630	3.537	7.9	21.3
4 11	10 41.36	− 3 21.9	2.706	3.538	10.4	21.5

12107 1998 KU_{46} 3 4.7 31.°95 3.°3/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.28	− 4 3.9	1.293	2.124	18.4	17.6
2 11	11 20.91	− 3 46.4	1.222	2.125	14.2	17.4
2 21	11 13.78	− 3 2.5	1.172	2.127	9.3	17.1
3 2	11 4.79	− 1 55.8	1.145	2.129	4.5	16.8
3 12	10 55.32	− 0 34.5	1.144	2.130	4.3	16.8
3 22	10 46.80	+ 0 50.7	1.168	2.132	9.1	17.1
4 1	10 40.47	+ 2 9.0	1.216	2.134	14.0	17.4
4 11	10 37.11	+ 3 12.2	1.283	2.137	18.3	17.6

66404 1999 LK_{20} 3 4.7 280.°99 2.°1/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.95	+ 8 33.4	1.549	2.403	14.6	19.8
2 11	11 22.02	+ 9 18.3	1.459	2.382	10.7	19.5
2 21	11 14.45	+10 15.2	1.391	2.361	6.1	19.2
3 2	11 4.97	+11 17.1	1.350	2.339	2.2	18.8
3 12	10 54.78	+12 15.1	1.337	2.317	5.3	19.0
3 22	10 45.21	+13 1.3	1.349	2.295	10.2	19.2
4 1	10 37.54	+13 29.7	1.386	2.273	14.9	19.4
4 11	10 32.63	+13 37.9	1.442	2.250	18.9	19.6

335893 2007 RT_{207} 3 4.7 116.°10 1.°0/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.35	+ 7 31.1	2.561	3.395	10.2	21.7
2 11	11 18.91	+ 8 8.5	2.498	3.412	7.3	21.5
2 21	11 12.06	+ 8 52.1	2.462	3.429	4.1	21.3
3 2	11 4.36	+ 9 37.6	2.456	3.445	1.1	21.1
3 12	10 56.55	+10 20.5	2.480	3.461	3.1	21.3
3 22	10 49.32	+10 56.6	2.534	3.477	6.2	21.5
4 1	10 43.29	+11 23.1	2.615	3.492	9.1	21.7
4 11	10 38.90	+11 38.3	2.720	3.506	11.5	21.9

287458 2002 YG_{23} 3 4.7 64.°37 2.°8/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.53	+ 9 42.7	1.540	2.399	14.4	20.6
2 11	11 20.49	+10 52.4	1.492	2.418	10.3	20.3
2 21	11 13.22	+12 10.3	1.468	2.438	5.8	20.1
3 2	11 4.62	+13 27.6	1.470	2.457	2.8	20.0
3 12	10 55.91	+14 35.0	1.500	2.476	5.5	20.2
3 22	10 48.21	+15 25.8	1.557	2.496	9.7	20.5
4 1	10 42.45	+15 56.4	1.637	2.515	13.5	20.8
4 11	10 39.18	+16 6.2	1.738	2.535	16.6	21.0

261123 2005 TP_{18} 3 4.7 90.°72 3.°2/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.91	+12 43.5	1.789	2.644	12.9	20.7
2 11	11 21.32	+13 34.9	1.732	2.656	9.3	20.5
2 21	11 13.66	+14 30.7	1.699	2.667	5.5	20.3
3 2	11 4.73	+15 23.4	1.694	2.678	3.2	20.2
3 12	10 55.63	+16 6.1	1.718	2.689	5.6	20.4
3 22	10 47.41	+16 33.7	1.768	2.700	9.3	20.6
4 1	10 40.95	+16 43.8	1.843	2.711	12.7	20.8
4 11	10 36.81	+16 36.4	1.939	2.722	15.7	21.1

65434 2002 TD_{243} 3 4.7 56.°00 0.°2/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.99	+ 1 2.4	1.438	2.283	16.1	18.1
2 11	11 18.74	+ 2 29.0	1.389	2.306	11.7	17.8
2 21	11 12.25	+ 4 15.2	1.363	2.329	6.7	17.6
3 2	11 4.42	+ 6 11.5	1.363	2.353	1.4	17.3
3 12	10 56.48	+ 8 6.2	1.391	2.377	3.9	17.6
3 22	10 49.54	+ 9 48.4	1.446	2.401	8.8	17.9
4 1	10 44.54	+11 10.5	1.526	2.425	13.0	18.2
4 11	10 42.01	+12 9.0	1.627	2.449	16.5	18.5

459602 2013 HD_{25} 3 4.7 327.°73 4.°1/ 7.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.99	− 5 43.0	1.444	2.263	17.4	21.1
2 11	11 19.82	− 5 39.2	1.364	2.258	13.7	20.8
2 21	11 13.12	− 5 10.5	1.305	2.253	9.4	20.6
3 2	11 4.67	− 4 18.7	1.270	2.249	5.2	20.3
3 12	10 55.70	− 3 9.9	1.261	2.245	4.7	20.3
3 22	10 47.50	− 1 52.9	1.278	2.241	8.6	20.5
4 1	10 41.24	− 0 37.6	1.318	2.238	13.1	20.7
4 11	10 37.70	+ 0 27.3	1.380	2.235	17.1	21.0

112654 2002 PP_{85} 3 4.7 178.°68 0.°7/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.22	+ 5 29.5	2.142	2.975	12.0	21.0
2 11	11 20.64	+ 6 17.5	2.064	2.977	8.7	20.8
2 21	11 13.24	+ 7 15.9	2.012	2.978	4.9	20.6
3 2	11 4.66	+ 8 19.4	1.989	2.979	1.1	20.3
3 12	10 55.80	+ 9 21.7	1.996	2.979	3.4	20.5
3 22	10 47.55	+10 16.9	2.032	2.978	7.3	20.7
4 1	10 40.71	+11 0.5	2.095	2.977	10.8	21.0
4 11	10 35.85	+11 29.8	2.181	2.975	13.8	21.2

368606 2004 RJ_{212} 3 4.7 103.°88 5.°9/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.54	−12 10.3	2.071	2.829	14.9	20.6
2 11	11 20.93	−12 37.8	1.995	2.842	12.2	20.4
2 21	11 13.42	−12 44.3	1.942	2.854	9.3	20.2
3 2	11 4.71	−12 29.6	1.914	2.866	6.8	20.1
3 12	10 55.70	−11 56.2	1.914	2.878	5.9	20.1
3 22	10 47.37	−11 9.0	1.942	2.889	7.5	20.2
4 1	10 40.53	−10 14.6	1.996	2.901	10.1	20.4
4 11	10 35.78	− 9 19.8	2.074	2.912	12.8	20.6

393990 2005 UF_{416} 3 4.7 202.°52 4.°5/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.41	+15 5.9	1.749	2.602	13.3	21.8
2 11	11 24.14	+16 14.2	1.676	2.598	9.7	21.5
2 21	11 15.46	+17 26.4	1.629	2.593	6.1	21.3
3 2	11 5.17	+18 33.6	1.609	2.587	4.5	21.2
3 12	10 54.46	+19 27.2	1.618	2.581	6.9	21.3
3 22	10 44.57	+20 1.1	1.655	2.574	10.7	21.5
4 1	10 36.58	+20 13.0	1.715	2.566	14.4	21.7
4 11	10 31.18	+20 3.3	1.795	2.557	17.5	21.9

433853 2015 BF_{276} 3 4.7 101.°38 1.°2/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.53	+ 7 46.5	2.136	2.978	11.7	21.4
2 11	11 19.33	+ 8 25.0	2.070	2.988	8.4	21.2
2 21	11 12.43	+ 9 11.1	2.030	2.998	4.7	21.0
3 2	11 4.48	+ 9 59.5	2.018	3.008	1.4	20.8
3 12	10 56.34	+10 44.7	2.036	3.017	3.6	21.0
3 22	10 48.88	+11 21.7	2.082	3.027	7.2	21.2
4 1	10 42.82	+11 47.2	2.155	3.036	10.6	21.4
4 11	10 38.68	+11 59.3	2.250	3.046	13.4	21.7

6708 Bobbievaile 3 4.7 223.°63 4.°6/28.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.97	+15 35.7	1.970	2.826	11.9	17.5
2 11	11 20.75	+17 5.6	1.894	2.817	8.7	17.3
2 21	11 13.44	+18 39.8	1.844	2.807	5.7	17.1
3 2	11 4.73	+20 9.7	1.823	2.797	4.7	17.0
3 12	10 55.60	+21 26.5	1.831	2.786	7.0	17.2
3 22	10 47.09	+22 23.7	1.866	2.775	10.3	17.3
4 1	10 40.14	+22 58.0	1.926	2.763	13.6	17.5
4 11	10 35.41	+23 9.5	2.005	2.750	16.4	17.7

365119 2009 CJ_{57} 3 4.7 321.°38 3.°0/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.34	+ 9 47.0	1.289	2.158	15.9	20.6
2 11	11 20.40	+10 37.6	1.212	2.144	11.6	20.3
2 21	11 13.61	+11 40.2	1.158	2.129	6.7	20.0
3 2	11 4.81	+12 46.3	1.128	2.115	3.0	19.7
3 12	10 55.37	+13 45.2	1.123	2.102	6.3	19.8
3 22	10 46.78	+14 27.9	1.142	2.090	11.5	20.1
4 1	10 40.38	+14 48.6	1.184	2.078	16.3	20.3
4 11	10 37.04	+14 45.6	1.243	2.067	20.5	20.6

389257 2009 FY_{50} 3 4.7 278.°52 3.°6/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.08	+16 13.7	2.371	3.223	10.3	21.4
2 11	11 19.06	+17 1.3	2.288	3.209	7.5	21.2
2 21	11 12.33	+17 50.5	2.230	3.194	4.8	21.0
3 2	11 4.48	+18 35.4	2.202	3.179	3.6	20.9
3 12	10 56.30	+19 10.7	2.203	3.164	5.5	21.0
3 22	10 48.63	+19 32.2	2.232	3.149	8.4	21.1
4 1	10 42.23	+19 37.9	2.286	3.134	11.4	21.3
4 11	10 37.66	+19 27.4	2.362	3.118	13.9	21.4

492510 2014 OZ_{33} 3 4.7 199.°39 2.°0/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.13	+ 8 57.3	1.956	2.798	12.6	22.8
2 11	11 22.24	+ 9 52.1	1.876	2.794	9.1	22.6
2 21	11 14.27	+10 55.6	1.822	2.790	5.2	22.4
3 2	11 4.91	+12 1.4	1.797	2.785	2.0	22.1
3 12	10 55.17	+13 2.1	1.801	2.779	4.6	22.3
3 22	10 46.09	+13 51.5	1.834	2.772	8.6	22.5
4 1	10 38.61	+14 25.3	1.893	2.765	12.3	22.7
4 11	10 33.36	+14 41.9	1.974	2.756	15.4	22.9

340613 2006 QO_{65} 3 4.7 97.°55 0.°5/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.16	+ 3 28.7	2.301	3.126	11.5	20.8
2 11	11 19.71	+ 3 36.3	2.226	3.133	8.5	20.6
2 21	11 12.63	+ 3 53.1	2.177	3.139	5.0	20.4
3 2	11 4.53	+ 4 16.1	2.156	3.145	1.3	20.1
3 12	10 56.22	+ 4 41.2	2.165	3.151	2.6	20.2
3 22	10 48.50	+ 5 4.4	2.203	3.157	6.2	20.5
4 1	10 42.09	+ 5 22.2	2.268	3.163	9.5	20.7
4 11	10 37.50	+ 5 31.9	2.357	3.169	12.3	20.9

285872 2001 NR_5 3 4.7 238.°85 3.°2/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.61	+11 10.6	1.803	2.652	13.1	21.8
2 11	11 22.92	+12 21.5	1.714	2.636	9.5	21.5
2 21	11 14.84	+13 41.8	1.650	2.618	5.6	21.2
3 2	11 5.07	+15 3.3	1.615	2.599	3.2	21.0
3 12	10 54.70	+16 17.0	1.608	2.580	5.9	21.2
3 22	10 44.92	+17 15.2	1.630	2.559	10.1	21.4
4 1	10 36.84	+17 53.0	1.676	2.538	14.1	21.5
4 11	10 31.25	+18 8.9	1.742	2.515	17.5	21.7

77830 2001 QZ_{222} 3 4.7 188.°39 0.°0/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.08	+ 5 23.3	2.225	3.056	11.7	19.7
2 11	11 20.47	+ 5 30.7	2.146	3.056	8.5	19.5
2 21	11 13.12	+ 5 46.3	2.091	3.056	4.9	19.2
3 2	11 4.65	+ 6 6.6	2.066	3.056	1.1	19.0
3 12	10 55.91	+ 6 27.4	2.070	3.055	2.9	19.1
3 22	10 47.77	+ 6 44.9	2.103	3.055	6.6	19.3
4 1	10 40.99	+ 6 55.8	2.163	3.055	10.1	19.6
4 11	10 36.13	+ 6 57.6	2.247	3.054	13.0	19.7

295035 2008 EU_{83} 3 4.7 275.°11 0.°5/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.03	+ 0 54.4	1.771	2.604	14.1	21.6
2 11	11 18.81	+ 1 46.3	1.678	2.588	10.5	21.4
2 21	11 12.43	+ 2 56.8	1.608	2.572	6.3	21.1
3 2	11 4.54	+ 4 21.1	1.566	2.555	1.6	20.7
3 12	10 56.11	+ 5 51.2	1.552	2.538	3.4	20.8
3 22	10 48.23	+ 7 18.2	1.565	2.522	8.1	21.0
4 1	10 41.89	+ 8 34.1	1.605	2.505	12.5	21.3
4 11	10 37.84	+ 9 33.4	1.666	2.488	16.2	21.5

377438 2004 TC_{288} 3 4.7 121.°78 3.°7/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.32	− 9 10.1	2.445	3.214	12.6	21.9
2 11	11 19.01	− 8 54.1	2.371	3.232	10.0	21.8
2 21	11 12.18	− 8 20.4	2.321	3.249	7.1	21.6
3 2	11 4.44	− 7 30.7	2.299	3.266	4.5	21.5
3 12	10 56.52	− 6 29.2	2.306	3.283	3.8	21.5
3 22	10 49.19	− 5 21.2	2.343	3.299	5.8	21.6
4 1	10 43.09	− 4 12.6	2.408	3.314	8.6	21.8
4 11	10 38.71	− 3 8.8	2.499	3.329	11.2	22.0

47281 1999 VS_{162} 3 4.7 4.°74 5.°0/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.07	+15 50.2	1.309	2.180	15.6	18.7
2 11	11 22.90	+16 33.0	1.250	2.180	11.5	18.5
2 21	11 14.89	+17 17.8	1.212	2.180	7.2	18.2
3 2	11 5.06	+17 55.1	1.200	2.181	5.0	18.1
3 12	10 54.90	+18 16.0	1.213	2.183	7.7	18.3
3 22	10 45.89	+18 15.6	1.251	2.185	12.0	18.5
4 1	10 39.25	+17 52.4	1.310	2.188	16.2	18.8
4 11	10 35.67	+17 8.6	1.388	2.192	19.8	19.0

89493 2001 XJ_{38} 3 4.7 163.°47 0.°4/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.40	+ 3 36.4	1.749	2.579	14.4	19.7
2 11	11 24.00	+ 3 51.4	1.675	2.584	10.6	19.5
2 21	11 15.31	+ 4 18.8	1.625	2.588	6.2	19.2
3 2	11 5.14	+ 4 54.3	1.602	2.592	1.5	18.9
3 12	10 54.64	+ 5 32.0	1.609	2.595	3.4	19.0
3 22	10 44.97	+ 6 5.8	1.644	2.597	8.0	19.3
4 1	10 37.13	+ 6 31.1	1.704	2.599	12.1	19.6
4 11	10 31.78	+ 6 44.5	1.787	2.601	15.6	19.8

66588 1999 RX_{167} 3 4.7 255.°12 0.°1/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.46	+ 2 22.3	2.144	2.973	12.1	19.8
2 11	11 18.06	+ 3 26.4	2.048	2.958	8.9	19.6
2 21	11 11.85	+ 4 45.6	1.977	2.941	5.2	19.4
3 2	11 4.40	+ 6 15.0	1.935	2.925	1.1	19.0
3 12	10 56.52	+ 7 47.2	1.923	2.908	3.2	19.2
3 22	10 49.09	+ 9 14.8	1.940	2.891	7.2	19.4
4 1	10 42.93	+10 31.2	1.985	2.873	11.0	19.6
4 11	10 38.67	+11 31.9	2.053	2.855	14.2	19.7

233927 2009 UT_{32} 3 4.7 297.°60 3.°5/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.46	+12 42.0	1.694	2.553	13.4	19.9
2 11	11 21.59	+13 32.4	1.596	2.522	9.8	19.6
2 21	11 14.20	+14 30.3	1.523	2.491	5.9	19.3
3 2	11 4.96	+15 28.3	1.476	2.460	3.5	19.0
3 12	10 54.98	+16 17.8	1.456	2.428	6.3	19.1
3 22	10 45.50	+16 51.6	1.463	2.397	10.6	19.3
4 1	10 37.74	+17 5.3	1.494	2.366	14.9	19.5
4 11	10 32.58	+16 57.6	1.544	2.334	18.7	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
309404 2007 TG_{258}			3 4.7	60.°67	1.°5/ 3.7	18
	h m	° ′			°	m
2 1	11 29.74	+ 8 30.3	1.409	2.264	15.8	20.9
2 11	11 23.81	+ 8 50.3	1.351	2.274	11.4	20.6
2 21	11 15.27	+ 9 19.4	1.316	2.285	6.5	20.4
3 2	11 5.13	+ 9 51.0	1.306	2.296	1.8	20.1
3 12	10 54.76	+10 18.0	1.324	2.307	4.7	20.3
3 22	10 45.52	+10 34.4	1.367	2.318	9.6	20.6
4 1	10 38.51	+10 36.9	1.435	2.330	14.0	20.9
4 11	10 34.36	+10 24.2	1.522	2.341	17.6	21.2
257465 1993 OE_6			3 4.7	157.°39	2.°3/ 2.2	18
2 1	11 25.88	+10 17.8	2.205	3.048	11.3	20.6
2 11	11 20.33	+11 22.9	2.137	3.056	8.1	20.4
2 21	11 13.03	+12 34.4	2.096	3.063	4.6	20.2
3 2	11 4.64	+13 45.8	2.084	3.069	2.3	20.1
3 12	10 56.03	+14 50.4	2.102	3.075	4.5	20.2
3 22	10 48.06	+15 42.9	2.149	3.080	7.9	20.5
4 1	10 41.49	+16 19.9	2.223	3.085	11.1	20.7
4 11	10 36.86	+16 40.1	2.319	3.089	13.8	20.9
242348 2004 BU_{21}			3 4.7	59.°22	3.°0/ 1.7	18
2 1	11 23.85	+11 54.4	1.896	2.752	12.3	19.9
2 11	11 18.98	+12 56.6	1.844	2.769	8.7	19.7
2 21	11 12.27	+14 3.5	1.818	2.787	5.1	19.5
3 2	11 4.47	+15 8.0	1.820	2.804	3.0	19.4
3 12	10 56.54	+16 2.9	1.851	2.822	5.2	19.6
3 22	10 49.43	+16 43.2	1.908	2.840	8.7	19.9
4 1	10 43.89	+17 6.0	1.991	2.858	12.0	20.1
4 11	10 40.44	+17 11.1	2.094	2.876	14.7	20.3
200846 2001 YG_{14}			3 4.7	33.°91	0.°4/ 4.9	18
2 1	11 28.80	+ 4 13.3	1.299	2.150	17.1	19.1
2 11	11 23.40	+ 4 17.7	1.235	2.154	12.6	18.9
2 21	11 15.19	+ 4 36.5	1.192	2.159	7.4	18.6
3 2	11 5.15	+ 5 5.0	1.174	2.164	1.8	18.2
3 12	10 54.73	+ 5 36.0	1.182	2.169	4.0	18.4
3 22	10 45.40	+ 6 2.5	1.216	2.175	9.5	18.7
4 1	10 38.39	+ 6 18.7	1.273	2.181	14.3	19.0
4 11	10 34.43	+ 6 21.2	1.349	2.188	18.4	19.3
121250 1999 RF_{66}			3 4.7	83.°31	0.°2/ 4.6	18
2 1	11 28.02	+ 5 17.2	1.968	2.801	12.9	20.2
2 11	11 21.86	+ 5 36.6	1.913	2.824	9.3	20.0
2 21	11 13.87	+ 6 5.1	1.883	2.848	5.3	19.8
3 2	11 4.81	+ 6 38.3	1.880	2.871	1.1	19.5
3 12	10 55.68	+ 7 10.9	1.908	2.893	3.1	19.7
3 22	10 47.40	+ 7 38.2	1.964	2.916	7.1	20.0
4 1	10 40.74	+ 7 56.7	2.047	2.938	10.6	20.3
4 11	10 36.21	+ 8 4.4	2.152	2.959	13.5	20.5
461445 2002 GL_6			3 4.7	285.°77	8.°8/24.8	17
2 1	11 31.97	+30 34.1	2.013	2.855	12.3	21.3
2 11	11 25.38	+31 43.7	1.932	2.827	10.2	21.1
2 21	11 16.26	+32 43.8	1.877	2.799	8.9	21.0
3 2	11 5.40	+33 24.7	1.847	2.771	9.1	21.0
3 12	10 54.00	+33 38.9	1.844	2.742	10.9	21.0
3 22	10 43.35	+33 23.3	1.866	2.713	13.4	21.1
4 1	10 34.59	+32 38.7	1.910	2.684	16.0	21.2
4 11	10 28.50	+31 29.2	1.971	2.655	18.4	21.3
49588 1999 CJ_{149}			3 4.7	91.°49	0.°2/ 4.9	18
2 1	11 23.79	+ 3 10.9	2.240	3.068	11.7	19.9
2 11	11 18.72	+ 3 41.6	2.175	3.083	8.5	19.7
2 21	11 12.06	+ 4 22.8	2.135	3.098	5.0	19.5
3 2	11 4.43	+ 5 10.2	2.123	3.113	1.2	19.3
3 12	10 56.65	+ 5 58.7	2.141	3.128	2.7	19.4
3 22	10 49.51	+ 6 43.4	2.189	3.142	6.3	19.7
4 1	10 43.69	+ 7 20.1	2.263	3.156	9.6	19.9
4 11	10 39.67	+ 7 46.1	2.361	3.171	12.4	20.1
268978 2007 EW_{53}			3 4.7	82.°28	4.°1/ 9.3	18
2 1	11 21.95	− 9 52.8	1.894	2.679	15.2	20.2
2 11	11 17.74	− 9 17.9	1.817	2.688	12.1	20.0
2 21	11 11.65	− 8 18.5	1.763	2.696	8.6	19.8
3 2	11 4.36	− 6 57.2	1.734	2.705	5.3	19.6
3 12	10 56.81	− 5 20.2	1.733	2.714	4.3	19.5
3 22	10 49.92	− 3 36.2	1.761	2.722	6.9	19.7
4 1	10 44.53	− 1 54.0	1.816	2.731	10.4	19.9
4 11	10 41.20	− 0 21.7	1.895	2.739	13.6	20.2
429596 2011 EA_{70}			3 4.7	84.°73	3.°7/ 1.4	18
2 1	11 27.81	+15 21.3	1.914	2.767	12.3	20.7
2 11	11 21.88	+16 3.1	1.857	2.779	8.9	20.5
2 21	11 13.95	+16 46.1	1.825	2.790	5.5	20.3
3 2	11 4.85	+17 23.6	1.821	2.801	3.7	20.2
3 12	10 55.60	+17 49.7	1.846	2.812	5.8	20.3
3 22	10 47.21	+18 0.5	1.898	2.823	9.2	20.6
4 1	10 40.53	+17 54.6	1.975	2.834	12.4	20.8
4 11	10 36.10	+17 32.6	2.073	2.845	15.1	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
153925 2001 YT_{54}			3 4.7	98.°18	0.°3/ 4.4	18
	h m	° ′			°	m
2 1	11 27.07	+ 4 48.8	1.952	2.786	12.9	21.2
2 11	11 21.23	+ 5 23.6	1.894	2.806	9.4	21.0
2 21	11 13.54	+ 6 8.6	1.861	2.827	5.3	20.8
3 2	11 4.75	+ 6 58.8	1.857	2.847	1.1	20.6
3 12	10 55.85	+ 7 48.0	1.881	2.866	3.2	20.8
3 22	10 47.76	+ 8 30.7	1.935	2.885	7.3	21.1
4 1	10 41.28	+ 9 2.8	2.015	2.904	10.8	21.3
4 11	10 36.92	+ 9 22.0	2.117	2.922	13.8	21.5
84789 2002 XF_{83}			3 4.7	100.°72	1.°4/ 3.3	18
2 1	11 26.65	+ 6 30.6	1.931	2.771	12.8	19.5
2 11	11 20.92	+ 7 36.3	1.879	2.795	9.1	19.3
2 21	11 13.35	+ 8 51.6	1.852	2.820	5.1	19.1
3 2	11 4.71	+10 9.4	1.854	2.844	1.5	18.9
3 12	10 55.98	+11 22.2	1.886	2.867	4.0	19.1
3 22	10 48.08	+12 23.8	1.947	2.889	7.8	19.4
4 1	10 41.80	+13 10.0	2.034	2.911	11.3	19.7
4 11	10 37.63	+13 39.1	2.143	2.932	14.1	19.9
241069 2006 SE_{373}			3 4.7	245.°21	1.°3/ 3.3	17
2 1	11 22.89	+ 8 8.2	2.331	3.172	10.8	21.4
2 11	11 18.15	+ 8 47.4	2.251	3.168	7.8	21.2
2 21	11 11.79	+ 9 33.9	2.197	3.165	4.4	21.0
3 2	11 4.39	+10 22.9	2.172	3.161	1.4	20.8
3 12	10 56.73	+11 9.2	2.176	3.157	3.5	20.9
3 22	10 49.59	+11 47.9	2.210	3.153	7.0	21.1
4 1	10 43.68	+12 15.7	2.270	3.149	10.2	21.3
4 11	10 39.54	+12 30.4	2.352	3.145	12.9	21.5
208446 2001 TZ_{145}			3 4.7	172.°30	2.°9/ 1.2	17
2 1	11 23.95	+14 37.2	2.659	3.506	9.5	21.5
2 11	11 18.72	+15 26.1	2.589	3.508	6.8	21.3
2 21	11 12.03	+16 16.9	2.546	3.510	4.2	21.1
3 2	11 4.44	+17 4.5	2.532	3.512	2.9	21.0
3 12	10 56.66	+17 44.2	2.549	3.513	4.6	21.2
3 22	10 49.40	+18 12.4	2.594	3.514	7.3	21.3
4 1	10 43.29	+18 27.0	2.666	3.514	9.9	21.5
4 11	10 38.79	+18 27.7	2.761	3.515	12.2	21.7
347432 2012 TP_{22}			3 4.7	16.°31	3.°8/ 8.9	17
2 1	11 19.84	− 8 16.4	1.932	2.727	14.5	20.0
2 11	11 16.21	− 7 51.3	1.853	2.731	11.5	19.8
2 21	11 10.78	− 7 4.1	1.796	2.735	8.1	19.6
3 2	11 4.19	− 5 57.0	1.765	2.739	4.8	19.4
3 12	10 57.32	− 4 35.7	1.762	2.744	4.0	19.4
3 22	10 51.06	− 3 7.6	1.787	2.749	6.7	19.6
4 1	10 46.19	− 1 40.8	1.838	2.754	10.2	19.8
4 11	10 43.30	− 0 22.4	1.913	2.760	13.4	20.0
487477 2014 SO_{196}			3 4.7	214.°07	4.°2/ 1.0	17
2 1	11 28.91	+15 11.4	1.798	2.652	12.9	21.8
2 11	11 23.01	+16 10.7	1.725	2.647	9.4	21.5
2 21	11 14.80	+17 13.4	1.677	2.641	5.9	21.3
3 2	11 5.09	+18 11.2	1.657	2.635	4.3	21.2
3 12	10 54.98	+18 56.3	1.665	2.629	6.6	21.3
3 22	10 45.66	+19 23.3	1.700	2.622	10.3	21.5
4 1	10 38.13	+19 29.7	1.759	2.614	13.9	21.7
4 11	10 33.08	+19 16.0	1.839	2.606	16.9	21.9
388274 2006 RV_{59}			3 4.7	128.°68	0.°2/ 4.4	17
2 1	11 22.76	+ 4 58.4	2.821	3.647	9.6	21.9
2 11	11 17.72	+ 5 32.4	2.751	3.660	7.0	21.7
2 21	11 11.40	+ 6 13.8	2.708	3.673	4.0	21.6
3 2	11 4.31	+ 6 59.0	2.695	3.685	0.8	21.3
3 12	10 57.08	+ 7 43.8	2.713	3.697	2.4	21.5
3 22	10 50.33	+ 8 24.5	2.761	3.709	5.5	21.7
4 1	10 44.63	+ 8 57.7	2.837	3.720	8.2	21.9
4 11	10 40.39	+ 9 21.4	2.937	3.731	10.6	22.1
90610 6098 P–L			3 4.7	198.°07	0.°5/ 5.2	18
2 1	11 28.00	+ 2 4.1	1.825	2.652	14.0	20.6
2 11	11 22.29	+ 2 38.7	1.743	2.650	10.4	20.4
2 21	11 14.39	+ 3 28.2	1.684	2.646	6.2	20.1
3 2	11 5.01	+ 4 28.0	1.653	2.642	1.6	19.8
3 12	10 55.20	+ 5 31.3	1.651	2.637	3.3	19.9
3 22	10 46.07	+ 6 31.0	1.677	2.631	7.8	20.2
4 1	10 38.61	+ 7 20.9	1.730	2.625	12.0	20.4
4 11	10 33.49	+ 7 56.9	1.805	2.618	15.5	20.6
310145 2011 KL_{16}			3 4.7	34.°86	4.°6/ 9.8	17
2 1	11 21.68	−10 7.0	2.218	2.992	13.6	20.3
2 11	11 17.36	−10 7.9	2.135	2.995	11.0	20.1
2 21	11 11.38	− 9 49.3	2.074	2.999	8.1	19.9
3 2	11 4.33	− 9 12.2	2.040	3.002	5.4	19.8
3 12	10 57.00	− 8 20.0	2.033	3.006	4.6	19.7
3 22	10 50.20	− 7 18.1	2.054	3.010	6.5	19.9
4 1	10 44.67	− 6 12.6	2.103	3.014	9.3	20.0
4 11	10 40.95	− 5 10.1	2.175	3.018	12.1	20.2

415786 2000 WT_{93} 3 4.7 62.°13 5.°6/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.97	+18 32.4	1.660	2.521	13.5	20.6
2 11	11 22.75	+19 45.9	1.630	2.553	9.8	20.4
2 21	11 14.42	+20 56.2	1.625	2.585	6.6	20.3
3 2	11 4.95	+21 54.5	1.648	2.618	5.6	20.3
3 12	10 55.56	+22 33.8	1.698	2.650	7.7	20.5
3 22	10 47.35	+22 50.7	1.773	2.682	10.8	20.8
4 1	10 41.15	+22 45.4	1.873	2.713	13.8	21.0
4 11	10 37.41	+22 20.4	1.991	2.745	16.2	21.3

155255 2005 WO_{73} 3 4.7 163.°84 0.°2/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.79	+ 1 29.7	2.499	3.316	11.0	21.0
2 11	11 18.67	+ 2 29.4	2.420	3.323	8.1	20.8
2 21	11 12.04	+ 3 41.4	2.367	3.329	4.7	20.6
3 2	11 4.47	+ 5 1.0	2.344	3.334	1.1	20.3
3 12	10 56.67	+ 6 22.4	2.353	3.338	2.6	20.5
3 22	10 49.38	+ 7 39.6	2.392	3.342	6.1	20.7
4 1	10 43.25	+ 8 47.5	2.459	3.346	9.2	20.9
4 11	10 38.78	+ 9 42.7	2.551	3.348	11.9	21.1

380489 2004 BS_{99} 3 4.7 16.°31 2.°9/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.58	+ 9 57.5	1.549	2.416	13.9	20.2
2 11	11 17.03	+11 4.5	1.493	2.423	9.9	19.9
2 21	11 11.34	+12 20.4	1.460	2.431	5.7	19.7
3 2	11 4.33	+13 36.6	1.454	2.440	2.9	19.5
3 12	10 57.08	+14 43.9	1.474	2.450	5.6	19.7
3 22	10 50.69	+15 35.4	1.520	2.461	9.7	20.0
4 1	10 46.06	+16 6.7	1.589	2.473	13.5	20.3
4 11	10 43.76	+16 16.8	1.679	2.486	16.7	20.5

504657 2009 AD_{18} 3 4.7 62.°03 5.°2/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.10	− 9 56.1	2.053	2.828	14.5	20.9
2 11	11 19.90	−10 20.7	1.980	2.840	11.7	20.8
2 21	11 12.86	−10 25.8	1.930	2.852	8.7	20.6
3 2	11 4.66	−10 11.5	1.905	2.865	6.0	20.5
3 12	10 56.20	− 9 40.9	1.907	2.878	5.3	20.4
3 22	10 48.39	− 8 58.7	1.938	2.890	7.1	20.6
4 1	10 42.05	− 8 11.1	1.995	2.903	9.9	20.8
4 11	10 37.74	− 7 24.3	2.075	2.916	12.7	21.0

426367 2013 NX_{22} 3 4.7 253.°74 0.°4/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.40	+ 2 8.4	1.845	2.681	13.4	21.4
2 11	11 18.24	+ 3 27.6	1.758	2.672	9.9	21.1
2 21	11 12.07	+ 5 5.1	1.696	2.663	5.7	20.8
3 2	11 4.51	+ 6 54.2	1.663	2.653	1.2	20.5
3 12	10 56.52	+ 8 45.5	1.658	2.643	3.7	20.7
3 22	10 49.09	+10 29.7	1.682	2.633	8.2	20.9
4 1	10 43.15	+11 58.6	1.733	2.622	12.3	21.1
4 11	10 39.38	+13 7.5	1.805	2.612	15.7	21.3

502106 2015 AX_{273} 3 4.7 227.°52 2.°1/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.38	+10 16.7	2.104	2.950	11.6	21.7
2 11	11 20.14	+10 59.2	2.025	2.945	8.4	21.5
2 21	11 13.03	+11 48.0	1.971	2.939	4.8	21.2
3 2	11 4.71	+12 37.6	1.946	2.933	2.1	21.0
3 12	10 56.07	+13 21.9	1.950	2.927	4.4	21.2
3 22	10 48.03	+13 55.9	1.983	2.921	8.0	21.4
4 1	10 41.42	+14 16.1	2.042	2.915	11.4	21.6
4 11	10 36.82	+14 21.2	2.122	2.908	14.4	21.8

508658 2017 UC_2 3 4.8 262.°41 4.°9/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.90	−14 17.0	2.314	3.057	14.0	22.8
2 11	11 19.17	−13 33.5	2.191	3.030	11.6	22.6
2 21	11 12.59	−12 23.4	2.090	3.002	8.7	22.4
3 2	11 4.66	−10 47.1	2.016	2.974	6.0	22.2
3 12	10 56.19	− 8 48.7	1.972	2.944	4.9	22.0
3 22	10 48.03	− 6 35.6	1.959	2.914	6.8	22.1
4 1	10 41.07	− 4 17.3	1.975	2.883	10.0	22.2
4 11	10 35.98	− 2 3.6	2.017	2.851	13.3	22.4

222769 2002 CS_{86} 3 4.8 81.°97 0.°8/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.87	+ 5 15.2	1.818	2.660	13.4	20.7
2 11	11 19.81	+ 6 7.1	1.759	2.677	9.6	20.5
2 21	11 12.82	+ 7 10.3	1.726	2.693	5.4	20.3
3 2	11 4.67	+ 8 18.6	1.720	2.710	1.2	20.0
3 12	10 56.35	+ 9 24.4	1.743	2.726	3.7	20.2
3 22	10 48.84	+10 21.2	1.793	2.743	7.8	20.5
4 1	10 42.97	+11 4.3	1.870	2.759	11.5	20.8
4 11	10 39.26	+11 31.2	1.968	2.775	14.6	21.0

473929 2016 EX_{160} 3 4.8 325.°13 3.°4/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.81	+12 13.0	1.447	2.313	14.8	20.0
2 11	11 21.25	+12 49.8	1.369	2.298	10.8	19.8
2 21	11 14.03	+13 33.3	1.314	2.284	6.4	19.5
3 2	11 4.99	+14 15.9	1.285	2.271	3.4	19.3
3 12	10 55.40	+14 49.1	1.281	2.258	6.2	19.4
3 22	10 46.62	+15 6.4	1.303	2.246	10.8	19.6
4 1	10 39.89	+15 4.1	1.348	2.234	15.3	19.8
4 11	10 35.98	+14 41.9	1.411	2.224	19.1	20.1

37057 2000 UN_{42} 3 4.8 334.°72 3.°0/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.42	+ 9 38.0	1.194	2.069	16.6	18.0
2 11	11 19.89	+10 28.8	1.122	2.056	12.1	17.6
2 21	11 13.41	+11 32.5	1.072	2.044	7.0	17.3
3 2	11 4.87	+12 39.8	1.045	2.033	3.1	17.0
3 12	10 55.72	+13 39.5	1.043	2.023	6.4	17.2
3 22	10 47.50	+14 22.0	1.065	2.014	11.8	17.5
4 1	10 41.59	+14 41.5	1.107	2.007	16.8	17.7
4 11	10 38.83	+14 36.4	1.167	2.000	21.0	18.0

204702 Péquignat 3 4.8 331.°84 5.°5/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.62	+18 2.0	1.612	2.479	13.4	19.5
2 11	11 20.87	+18 56.1	1.542	2.468	10.0	19.2
2 21	11 13.69	+19 50.7	1.495	2.458	6.7	19.0
3 2	11 4.90	+20 37.0	1.474	2.448	5.5	18.9
3 12	10 55.71	+21 6.9	1.479	2.438	7.8	19.0
3 22	10 47.34	+21 15.3	1.510	2.429	11.5	19.2
4 1	10 40.89	+21 0.7	1.563	2.421	15.1	19.4
4 11	10 37.04	+20 24.5	1.635	2.414	18.3	19.6

46298 2001 MU_{18} 3 4.8 112.°22 3.°2/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.78	− 7 22.0	2.365	3.149	12.5	19.1
2 11	11 17.31	− 6 57.8	2.285	3.158	9.8	18.9
2 21	11 11.31	− 6 16.0	2.230	3.167	6.8	18.8
3 2	11 4.35	− 5 18.9	2.201	3.175	4.0	18.6
3 12	10 57.18	− 4 10.9	2.202	3.183	3.4	18.6
3 22	10 50.53	− 2 57.9	2.232	3.191	5.8	18.7
4 1	10 45.08	− 1 45.8	2.290	3.199	8.8	18.9
4 11	10 41.32	− 0 40.3	2.373	3.207	11.6	19.1

61617 2000 QJ_{98} 3 4.8 95.°68 1.°1/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.95	+ 6 31.2	1.602	2.445	14.8	19.2
2 11	11 23.64	+ 7 12.4	1.550	2.467	10.7	19.0
2 21	11 15.06	+ 8 4.1	1.522	2.489	6.0	18.8
3 2	11 5.16	+ 8 59.6	1.521	2.511	1.5	18.5
3 12	10 55.16	+ 9 51.1	1.549	2.532	4.2	18.7
3 22	10 46.22	+10 32.3	1.604	2.552	8.7	19.1
4 1	10 39.29	+10 59.1	1.684	2.572	12.6	19.3
4 11	10 34.92	+11 9.8	1.786	2.592	15.9	19.6

212575 2006 SH_{115} 3 4.8 122.°88 0.°4/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.01	+ 5 19.0	2.471	3.302	10.6	21.4
2 11	11 18.11	+ 5 50.8	2.398	3.309	7.7	21.2
2 21	11 11.73	+ 6 30.9	2.351	3.316	4.4	21.0
3 2	11 4.44	+ 7 15.2	2.333	3.323	0.9	20.8
3 12	10 56.96	+ 7 59.2	2.345	3.329	2.8	21.0
3 22	10 50.01	+ 8 38.4	2.386	3.335	6.1	21.2
4 1	10 44.24	+ 9 9.3	2.455	3.341	9.2	21.4
4 11	10 40.11	+ 9 29.5	2.547	3.347	11.8	21.6

246606 2008 VM_{21} 3 4.8 170.°45 1.°5/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.03	+ 8 26.2	2.327	3.167	10.9	21.3
2 11	11 18.97	+ 9 13.5	2.252	3.169	7.8	21.1
2 21	11 12.28	+10 7.8	2.204	3.171	4.4	20.9
3 2	11 4.57	+11 4.1	2.185	3.173	1.5	20.7
3 12	10 56.62	+11 56.9	2.195	3.174	3.7	20.9
3 22	10 49.23	+12 41.1	2.235	3.175	7.1	21.1
4 1	10 43.10	+13 13.2	2.302	3.176	10.3	21.3
4 11	10 38.77	+13 31.5	2.391	3.177	13.0	21.5

497411 2005 WE_{50} 3 4.8 236.°56 1.°5/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.74	+ 8 12.9	2.156	2.996	11.6	22.5
2 11	11 20.45	+ 8 58.5	2.067	2.984	8.4	22.2
2 21	11 13.27	+ 9 52.7	2.003	2.971	4.8	22.0
3 2	11 4.82	+10 50.1	1.968	2.957	1.6	21.7
3 12	10 55.96	+11 44.6	1.963	2.943	3.9	21.9
3 22	10 47.61	+12 30.4	1.987	2.928	7.8	22.1
4 1	10 40.62	+13 3.5	2.037	2.913	11.3	22.3
4 11	10 35.63	+13 21.5	2.110	2.898	14.4	22.4

412752 2014 OE_{370} 3 4.8 169.°07 0.°6/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.33	+ 6 9.9	1.802	2.640	13.7	21.7
2 11	11 23.22	+ 6 34.7	1.729	2.643	10.0	21.4
2 21	11 14.90	+ 7 9.7	1.679	2.645	5.7	21.2
3 2	11 5.17	+ 7 49.6	1.657	2.648	1.2	20.9
3 12	10 55.11	+ 8 28.4	1.665	2.649	3.7	21.1
3 22	10 45.84	+ 9 0.3	1.701	2.650	8.1	21.3
4 1	10 38.32	+ 9 21.1	1.762	2.651	12.1	21.6
4 11	10 33.20	+ 9 28.5	1.845	2.651	15.5	21.8

465180 2007 EZ_{141} 3 4.8 13.°23 2.°5/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.54	− 3 59.5	1.627	2.450	15.6	20.9
2 11	11 17.75	− 3 23.8	1.552	2.451	12.0	20.6
2 21	11 11.83	− 2 25.5	1.499	2.453	7.8	20.4
3 2	11 4.51	− 1 8.7	1.472	2.456	3.6	20.1
3 12	10 56.83	+ 0 19.2	1.471	2.458	3.5	20.1
3 22	10 49.88	+ 1 48.8	1.498	2.461	7.6	20.4
4 1	10 44.60	+ 3 11.4	1.550	2.465	11.8	20.6
4 11	10 41.64	+ 4 20.0	1.624	2.469	15.5	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
130852	2000 UR_{68}		3 4.8	257.°30	1.°8/ 6.2	18
	h m	° ′			°	m
2 1	11 27.07	− 0 32.7	1.668	2.493	15.2	20.3
2 11	11 21.94	− 0 18.8	1.576	2.479	11.5	20.1
2 21	11 14.39	+ 0 12.8	1.506	2.464	7.3	19.8
3 2	11 5.11	+ 0 59.4	1.463	2.449	2.8	19.5
3 12	10 55.20	+ 1 54.9	1.447	2.434	3.5	19.5
3 22	10 45.90	+ 2 52.0	1.459	2.418	8.2	19.7
4 1	10 38.33	+ 3 43.4	1.496	2.402	12.7	19.9
4 11	10 33.30	+ 4 23.3	1.555	2.386	16.7	20.1
210697	2000 SQ_{80}		3 4.8	231.°13	1.°4/ 6.6	18
2 1	11 21.43	− 1 44.1	2.757	3.561	10.4	20.9
2 11	11 16.96	− 1 12.4	2.659	3.551	7.9	20.7
2 21	11 11.10	− 0 28.0	2.588	3.541	5.0	20.5
3 2	11 4.33	+ 0 26.3	2.545	3.530	2.1	20.3
3 12	10 57.28	+ 1 26.4	2.532	3.519	2.3	20.3
3 22	10 50.60	+ 2 27.7	2.550	3.507	5.3	20.5
4 1	10 44.89	+ 3 25.4	2.596	3.495	8.3	20.7
4 11	10 40.65	+ 4 15.5	2.667	3.483	11.0	20.8
162975	2001 QS_{279}		3 4.8	87.°94	5.°3/28.3	18
2 1	11 30.41	+23 39.0	2.442	3.284	10.4	20.2
2 11	11 23.31	+24 21.7	2.404	3.311	7.9	20.1
2 21	11 14.61	+24 58.2	2.392	3.338	5.8	20.0
3 2	11 5.06	+25 23.0	2.410	3.365	5.3	20.0
3 12	10 55.55	+25 32.1	2.457	3.391	6.7	20.1
3 22	10 46.93	+25 24.0	2.532	3.416	9.0	20.3
4 1	10 39.85	+24 59.2	2.632	3.442	11.2	20.5
4 11	10 34.74	+24 19.8	2.754	3.466	13.1	20.7
420889	2013 LS_{14}		3 4.8	215.°32	0.°3/ 5.1	16
2 1	11 26.93	+ 2 55.0	2.141	2.964	12.3	22.5
2 11	11 21.30	+ 3 25.2	2.050	2.956	9.1	22.3
2 21	11 13.76	+ 4 7.5	1.985	2.947	5.4	22.1
3 2	11 4.94	+ 4 58.0	1.948	2.937	1.3	21.8
3 12	10 55.71	+ 5 51.1	1.941	2.927	2.9	21.9
3 22	10 47.01	+ 6 41.1	1.964	2.916	7.0	22.1
4 1	10 39.70	+ 7 23.0	2.014	2.905	10.7	22.3
4 11	10 34.40	+ 7 53.3	2.086	2.892	13.9	22.5
102110	1999 RV_{166}		3 4.8	226.°42	2.°2/ 2.3	17
2 1	11 24.77	+12 39.9	2.679	3.520	9.6	20.0
2 11	11 19.36	+13 9.3	2.597	3.514	6.9	19.8
2 21	11 12.47	+13 41.4	2.541	3.508	4.0	19.6
3 2	11 4.64	+14 12.1	2.516	3.501	2.2	19.5
3 12	10 56.57	+14 37.2	2.521	3.494	3.9	19.6
3 22	10 48.97	+14 53.3	2.555	3.486	6.8	19.8
4 1	10 42.51	+14 58.5	2.616	3.479	9.6	19.9
4 11	10 37.66	+14 51.8	2.701	3.471	12.0	20.1
366890	2005 TU_{89}		3 4.8	164.°72	1.°0/ 3.8	16
2 1	11 25.77	+ 6 23.3	2.063	2.900	12.2	22.1
2 11	11 20.41	+ 7 7.0	1.989	2.904	8.8	21.9
2 21	11 13.19	+ 8 0.3	1.940	2.907	5.0	21.7
3 2	11 4.81	+ 8 57.9	1.920	2.910	1.2	21.4
3 12	10 56.15	+ 9 53.5	1.930	2.913	3.6	21.6
3 22	10 48.14	+10 41.3	1.968	2.915	7.5	21.8
4 1	10 41.59	+11 17.1	2.033	2.916	11.0	22.1
4 11	10 37.06	+11 38.7	2.120	2.918	14.0	22.3
497736	2006 ST_{203}		3 4.8	147.°34	0.°4/ 5.4	17
2 1	11 21.85	+ 1 49.2	2.803	3.619	9.9	22.7
2 11	11 17.14	+ 2 27.1	2.725	3.627	7.3	22.5
2 21	11 11.14	+ 3 14.7	2.674	3.635	4.3	22.3
3 2	11 4.34	+ 4 8.8	2.653	3.642	1.2	22.1
3 12	10 57.37	+ 5 4.8	2.662	3.649	2.2	22.2
3 22	10 50.84	+ 5 58.5	2.702	3.655	5.3	22.4
4 1	10 45.32	+ 6 45.9	2.770	3.661	8.1	22.6
4 11	10 41.24	+ 7 24.2	2.863	3.667	10.6	22.8
357186	2002 EZ_{111}		3 4.8	276.°86	1.°3/ 3.7	17
2 1	11 27.00	+ 6 48.6	1.585	2.434	14.6	21.4
2 11	11 22.05	+ 7 27.0	1.494	2.415	10.7	21.1
2 21	11 14.53	+ 8 18.4	1.427	2.395	6.2	20.7
3 2	11 5.17	+ 9 16.8	1.386	2.376	1.6	20.4
3 12	10 55.13	+10 13.8	1.373	2.356	4.6	20.5
3 22	10 45.72	+11 1.7	1.386	2.336	9.6	20.8
4 1	10 38.15	+11 34.5	1.424	2.316	14.2	21.0
4 11	10 33.25	+11 48.8	1.482	2.296	18.2	21.2
196537	2003 OK_{29}		3 4.8	168.°57	0.°3/ 5.1	18
2 1	11 24.57	+ 2 59.1	2.264	3.089	11.7	21.0
2 11	11 19.41	+ 3 28.0	2.185	3.092	8.6	20.8
2 21	11 12.58	+ 4 7.9	2.132	3.094	5.0	20.6
3 2	11 4.68	+ 4 54.7	2.107	3.096	1.2	20.3
3 12	10 56.52	+ 5 43.5	2.112	3.098	2.7	20.5
3 22	10 48.92	+ 6 29.2	2.146	3.099	6.4	20.7
4 1	10 42.62	+ 7 7.3	2.207	3.100	9.8	20.9
4 11	10 38.15	+ 7 34.7	2.292	3.101	12.7	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
239904	2000 SV_{132}		3 4.8	189.°10	4.°4/11.3	18
	h m	° ′			°	m
2 1	11 20.90	−14 26.1	2.965	3.697	11.4	21.4
2 11	11 16.49	−14 2.1	2.867	3.696	9.4	21.2
2 21	11 10.80	−13 19.6	2.792	3.695	7.2	21.1
3 2	11 4.28	−12 19.7	2.745	3.693	5.2	21.0
3 12	10 57.54	−11 5.3	2.727	3.691	4.4	20.9
3 22	10 51.17	− 9 41.2	2.739	3.688	5.5	21.0
4 1	10 45.76	− 8 12.8	2.780	3.685	7.6	21.1
4 11	10 41.73	− 6 46.1	2.848	3.682	9.8	21.2
372528	2009 SF_{357}		3 4.8	277.°72	3.°2/ 2.1	17
2 1	11 28.14	+13 13.2	1.828	2.681	12.8	20.7
2 11	11 22.52	+13 48.0	1.743	2.666	9.3	20.5
2 21	11 14.62	+14 27.2	1.683	2.650	5.6	20.2
3 2	11 5.16	+15 4.3	1.651	2.635	3.2	20.0
3 12	10 55.22	+15 32.4	1.646	2.619	5.6	20.1
3 22	10 45.95	+15 46.6	1.670	2.604	9.5	20.3
4 1	10 38.38	+15 44.1	1.718	2.588	13.3	20.5
4 11	10 33.22	+15 24.5	1.786	2.573	16.6	20.7
463476	2013 PQ_{57}		3 4.8	136.°15	1.°7/ 6.6	16
2 1	11 24.36	− 2 11.4	2.105	2.915	13.0	22.0
2 11	11 19.33	− 1 35.1	2.030	2.925	9.8	21.8
2 21	11 12.55	− 0 42.7	1.980	2.934	6.2	21.6
3 2	11 4.67	+ 0 22.1	1.957	2.943	2.5	21.4
3 12	10 56.56	+ 1 33.3	1.965	2.951	2.8	21.4
3 22	10 49.07	+ 2 44.4	2.001	2.959	6.4	21.7
4 1	10 42.97	+ 3 49.2	2.065	2.967	10.0	21.9
4 11	10 38.80	+ 4 43.2	2.152	2.974	13.0	22.1
216798	2006 SG_{218}		3 4.8	124.°90	2.°1/ 7.0	18
2 1	11 26.66	− 3 10.6	2.168	2.968	13.0	21.2
2 11	11 20.88	− 2 44.7	2.099	2.987	9.9	21.0
2 21	11 13.39	− 2 3.1	2.055	3.004	6.3	20.8
3 2	11 4.85	− 1 9.1	2.039	3.022	2.9	20.6
3 12	10 56.15	− 0 7.9	2.052	3.038	2.9	20.7
3 22	10 48.12	+ 0 54.4	2.096	3.054	6.2	20.9
4 1	10 41.52	+ 1 52.3	2.167	3.069	9.6	21.1
4 11	10 36.86	+ 2 41.2	2.263	3.083	12.5	21.4
143320	2003 AY_{56}		3 4.8	67.°34	4.°4/ 8.9	17
2 1	11 26.04	− 7 40.1	2.271	3.049	13.2	19.5
2 11	11 20.51	− 8 10.0	2.188	3.053	10.5	19.3
2 21	11 13.25	− 8 24.0	2.129	3.058	7.6	19.1
3 2	11 4.84	− 8 22.4	2.097	3.062	5.1	19.0
3 12	10 56.13	− 8 7.4	2.094	3.067	4.5	18.9
3 22	10 47.97	− 7 42.6	2.119	3.072	6.6	19.1
4 1	10 41.14	− 7 12.9	2.171	3.076	9.4	19.2
4 11	10 36.19	− 6 43.3	2.248	3.081	12.1	19.4
91291	1999 FD_{27}		3 4.8	288.°74	0.°0/ 4.6	17
2 1	11 22.06	+ 1 26.4	1.793	2.629	13.8	19.7
2 11	11 18.20	+ 2 32.8	1.693	2.606	10.2	19.4
2 21	11 12.20	+ 3 59.0	1.618	2.583	6.0	19.1
3 2	11 4.65	+ 5 39.6	1.569	2.559	1.4	18.7
3 12	10 56.52	+ 7 25.9	1.550	2.536	3.6	18.8
3 22	10 48.84	+ 9 8.0	1.558	2.512	8.4	19.0
4 1	10 42.65	+10 37.3	1.592	2.488	12.8	19.2
4 11	10 38.70	+11 47.7	1.648	2.465	16.6	19.4
52642	1997 WB_{55}		3 4.8	181.°85	0.°4/ 5.2	18
2 1	11 24.75	+ 2 15.4	1.838	2.671	13.6	19.4
2 11	11 19.90	+ 2 49.9	1.761	2.671	10.1	19.2
2 21	11 13.02	+ 3 38.6	1.707	2.671	6.0	19.0
3 2	11 4.81	+ 4 37.1	1.681	2.671	1.5	18.7
3 12	10 56.26	+ 5 38.6	1.684	2.671	3.2	18.8
3 22	10 48.39	+ 6 36.2	1.715	2.671	7.5	19.0
4 1	10 42.09	+ 7 24.2	1.771	2.670	11.5	19.3
4 11	10 37.99	+ 7 58.5	1.850	2.670	14.9	19.5
273656	2007 DL_{84}		3 4.8	321.°74	2.°0/ 6.8	17
2 1	11 21.41	− 2 54.5	1.722	2.545	14.8	20.7
2 11	11 17.65	− 2 15.9	1.637	2.538	11.3	20.5
2 21	11 11.81	− 1 16.0	1.575	2.531	7.2	20.2
3 2	11 4.56	+ 0 1.2	1.538	2.524	3.1	20.0
3 12	10 56.88	+ 1 28.6	1.530	2.517	3.3	19.9
3 22	10 49.81	+ 2 57.3	1.549	2.511	7.5	20.2
4 1	10 44.30	+ 4 18.9	1.593	2.505	11.8	20.4
4 11	10 41.05	+ 5 26.5	1.660	2.499	15.5	20.6
177629	2004 JM_{25}		3 4.8	256.°24	3.°8/28.8	18
2 1	11 22.55	+16 45.7	2.586	3.438	9.5	20.3
2 11	11 17.92	+17 54.9	2.503	3.424	7.0	20.1
2 21	11 11.73	+19 6.1	2.448	3.409	4.6	19.9
3 2	11 4.52	+20 13.3	2.421	3.393	3.9	19.8
3 12	10 56.99	+21 10.6	2.425	3.378	5.6	19.9
3 22	10 49.88	+21 53.6	2.457	3.362	8.3	20.1
4 1	10 43.90	+22 19.7	2.514	3.346	10.9	20.2
4 11	10 39.57	+22 28.5	2.592	3.330	13.3	20.4

288822 2004 RS_{183} 3 4.8 108.°15 1.°3/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.27	+ 0 26.1	1.724	2.545	14.9	22.0
2 11	11 23.79	+ 0 49.7	1.665	2.567	11.1	21.8
2 21	11 15.17	+ 1 28.7	1.631	2.590	6.7	21.6
3 2	11 5.26	+ 2 18.6	1.623	2.611	2.2	21.4
3 12	10 55.22	+ 3 12.9	1.645	2.632	3.2	21.5
3 22	10 46.14	+ 4 4.7	1.695	2.652	7.5	21.8
4 1	10 38.93	+ 4 48.2	1.772	2.672	11.5	22.1
4 11	10 34.16	+ 5 19.7	1.871	2.690	14.8	22.3

109473 2001 QV_{218} 3 4.8 16.°61 0.°4/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 31.20	+ 5 46.2	1.481	2.325	15.8	19.0
2 11	11 24.96	+ 5 23.8	1.412	2.327	11.6	18.8
2 21	11 16.08	+ 5 10.9	1.365	2.330	6.9	18.5
3 2	11 5.50	+ 5 4.1	1.344	2.334	1.7	18.2
3 12	10 54.55	+ 4 59.2	1.351	2.337	3.7	18.3
3 22	10 44.59	+ 4 51.9	1.384	2.342	8.8	18.6
4 1	10 36.79	+ 4 38.8	1.442	2.347	13.3	18.9
4 11	10 31.85	+ 4 17.6	1.521	2.352	17.0	19.2

84957 2003 XN_{13} 3 4.8 110.°86 1.°2/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.59	− 0 54.9	2.407	3.217	11.6	20.0
2 11	11 18.53	− 0 18.2	2.339	3.235	8.6	19.8
2 21	11 12.00	+ 0 31.4	2.297	3.252	5.3	19.6
3 2	11 4.56	+ 1 30.2	2.283	3.270	2.0	19.4
3 12	10 56.99	+ 2 33.2	2.300	3.287	2.4	19.5
3 22	10 50.00	+ 3 34.9	2.347	3.303	5.7	19.7
4 1	10 44.23	+ 4 30.5	2.421	3.319	8.9	19.9
4 11	10 40.15	+ 5 16.3	2.520	3.335	11.6	20.1

21121 1992 WV 3 4.8 92.°62 3.°2/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.81	− 5 1.5	1.637	2.446	16.1	18.4
2 11	11 21.46	− 4 42.8	1.574	2.464	12.4	18.2
2 21	11 13.91	− 4 2.5	1.533	2.481	8.2	18.0
3 2	11 5.01	− 3 3.8	1.518	2.499	4.3	17.8
3 12	10 55.89	− 1 53.6	1.531	2.516	3.9	17.8
3 22	10 47.66	− 0 39.9	1.571	2.532	7.6	18.0
4 1	10 41.28	+ 0 29.0	1.637	2.549	11.5	18.3
4 11	10 37.33	+ 1 26.9	1.726	2.565	15.0	18.6

418226 2008 CK_{203} 3 4.8 171.°96 2.°1/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.26	+10 16.5	2.250	3.090	11.2	20.9
2 11	11 21.38	+11 4.6	2.177	3.094	8.1	20.7
2 21	11 13.73	+11 58.5	2.131	3.098	4.6	20.5
3 2	11 4.97	+12 52.6	2.113	3.100	2.1	20.3
3 12	10 55.97	+13 41.0	2.126	3.102	4.2	20.5
3 22	10 47.58	+14 19.0	2.169	3.103	7.6	20.7
4 1	10 40.60	+14 43.4	2.237	3.104	10.8	20.9
4 11	10 35.55	+14 53.1	2.329	3.104	13.6	21.1

130951 2000 WQ_{74} 3 4.8 187.°63 1.°0/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.07	+ 6 42.9	2.011	2.845	12.6	20.6
2 11	11 22.91	+ 7 18.9	1.932	2.845	9.2	20.4
2 21	11 14.72	+ 8 4.3	1.878	2.844	5.2	20.2
3 2	11 5.21	+ 8 54.0	1.852	2.842	1.3	19.9
3 12	10 55.35	+ 9 41.6	1.857	2.839	3.7	20.1
3 22	10 46.16	+10 21.6	1.890	2.836	7.8	20.3
4 1	10 38.53	+10 49.9	1.950	2.832	11.5	20.5
4 11	10 33.10	+11 4.4	2.033	2.827	14.6	20.7

402072 2003 UW_{32} 3 4.8 122.°82 1.°4/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.82	+ 7 24.4	1.849	2.689	13.3	22.1
2 11	11 22.69	+ 8 8.2	1.788	2.705	9.5	21.9
2 21	11 14.54	+ 9 1.0	1.752	2.720	5.4	21.6
3 2	11 5.15	+ 9 56.5	1.745	2.734	1.5	21.4
3 12	10 55.58	+10 47.8	1.767	2.748	4.0	21.6
3 22	10 46.87	+11 29.3	1.817	2.762	8.1	21.9
4 1	10 39.89	+11 57.1	1.893	2.775	11.8	22.1
4 11	10 35.20	+12 9.6	1.991	2.787	14.9	22.3

144489 2004 EW_{63} 3 4.8 194.°67 1.°3/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 21.32	− 1 44.2	2.698	3.503	10.6	20.5
2 11	11 16.89	− 1 5.4	2.609	3.502	8.0	20.4
2 21	11 11.08	− 0 13.7	2.546	3.499	5.0	20.2
3 2	11 4.39	+ 0 47.9	2.511	3.497	2.0	20.0
3 12	10 57.47	+ 1 54.9	2.508	3.494	2.3	20.0
3 22	10 50.95	+ 3 2.2	2.534	3.491	5.3	20.2
4 1	10 45.45	+ 4 4.9	2.589	3.488	8.3	20.4
4 11	10 41.43	+ 4 59.1	2.669	3.484	11.0	20.5

501270 2013 WE_{19} 3 4.8 12.°60 4.°6/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 22.47	+15 58.5	1.916	2.779	11.8	19.9
2 11	11 18.21	+17 20.7	1.854	2.780	8.6	19.8
2 21	11 12.02	+18 45.6	1.818	2.782	5.6	19.6
3 2	11 4.61	+20 4.7	1.809	2.783	4.7	19.5
3 12	10 56.93	+21 10.1	1.829	2.785	6.8	19.6
3 22	10 49.95	+21 56.3	1.875	2.787	10.0	19.8
4 1	10 44.50	+22 20.7	1.944	2.790	13.1	20.0
4 11	10 41.15	+22 23.4	2.034	2.793	15.8	20.2

160820 2000 WD_{125} 3 4.8 154.°00 2.°7/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.93	+10 25.6	1.932	2.778	12.5	21.0
2 11	11 22.07	+11 34.2	1.867	2.787	9.0	20.8
2 21	11 14.21	+12 50.0	1.828	2.795	5.2	20.6
3 2	11 5.09	+14 5.4	1.817	2.803	2.7	20.4
3 12	10 55.72	+15 12.6	1.836	2.809	5.1	20.6
3 22	10 47.11	+16 5.6	1.884	2.815	8.8	20.8
4 1	10 40.14	+16 40.8	1.957	2.821	12.3	21.0
4 11	10 35.38	+16 57.2	2.051	2.825	15.2	21.3

290833 2005 WH_2 3 4.8 165.°63 6.°7/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.41	+24 50.5	2.165	3.016	11.1	21.0
2 11	11 21.65	+26 18.0	2.111	3.020	8.7	20.8
2 21	11 13.95	+27 40.1	2.084	3.024	7.0	20.7
3 2	11 5.04	+28 48.2	2.084	3.027	7.0	20.7
3 12	10 55.89	+29 35.7	2.113	3.030	8.7	20.8
3 22	10 47.49	+29 59.4	2.167	3.032	11.1	21.0
4 1	10 40.68	+29 58.9	2.245	3.034	13.5	21.1
4 11	10 36.03	+29 36.7	2.341	3.035	15.6	21.3

157269 2004 RB_{209} 3 4.8 70.°40 6.°6/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.10	−14 46.8	1.903	2.659	16.2	20.0
2 11	11 18.75	−14 53.0	1.820	2.662	13.4	19.8
2 21	11 12.39	−14 33.3	1.757	2.664	10.5	19.6
3 2	11 4.72	−13 47.2	1.719	2.667	7.7	19.5
3 12	10 56.67	−12 38.3	1.706	2.669	6.6	19.4
3 22	10 49.25	−11 13.3	1.721	2.672	7.9	19.5
4 1	10 43.35	− 9 40.7	1.761	2.674	10.7	19.6
4 11	10 39.60	− 8 9.7	1.826	2.677	13.7	19.8

518675 2008 TW_{192} 3 4.8 228.°86 1.°2/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.53	+ 0 41.0	2.158	2.978	12.4	22.1
2 11	11 19.54	+ 0 59.5	2.071	2.973	9.3	21.9
2 21	11 12.76	+ 1 31.1	2.009	2.968	5.7	21.6
3 2	11 4.80	+ 2 12.5	1.975	2.962	2.0	21.4
3 12	10 56.49	+ 2 58.9	1.970	2.956	2.7	21.4
3 22	10 48.71	+ 3 44.9	1.993	2.951	6.5	21.6
4 1	10 42.26	+ 4 25.7	2.044	2.945	10.1	21.9
4 11	10 37.73	+ 4 57.1	2.118	2.938	13.3	22.0

379254 2009 TT_{39} 3 4.8 208.°26 5.°3/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.61	−12 40.5	2.121	2.881	14.6	21.1
2 11	11 18.97	−12 34.7	2.029	2.878	12.0	21.0
2 21	11 12.47	−12 5.9	1.959	2.874	9.0	20.8
3 2	11 4.74	−11 14.6	1.914	2.870	6.4	20.6
3 12	10 56.62	−10 4.3	1.896	2.866	5.4	20.5
3 22	10 49.03	− 8 41.2	1.907	2.861	7.1	20.6
4 1	10 42.78	− 7 13.0	1.946	2.856	10.0	20.8
4 11	10 38.51	− 5 47.7	2.008	2.851	13.0	21.0

492623 2014 OC_{261} 3 4.8 229.°06 4.°5/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.52	+14 53.1	1.664	2.521	13.6	22.0
2 11	11 23.71	+15 55.9	1.590	2.513	10.0	21.8
2 21	11 15.40	+17 3.0	1.539	2.504	6.3	21.5
3 2	11 5.40	+18 5.7	1.516	2.495	4.5	21.4
3 12	10 54.94	+18 55.0	1.521	2.486	7.0	21.5
3 22	10 45.27	+19 24.8	1.552	2.476	10.9	21.7
4 1	10 37.54	+19 32.3	1.607	2.466	14.8	21.9
4 11	10 32.47	+19 18.1	1.682	2.455	18.1	22.1

5991 Ivavladis 3 4.8 334.°94 2.°7/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.91	+ 9 39.1	1.287	2.156	16.0	17.2
2 11	11 20.82	+10 22.0	1.215	2.146	11.7	16.9
2 21	11 13.93	+11 15.9	1.165	2.137	6.7	16.6
3 2	11 5.10	+12 12.8	1.140	2.128	2.8	16.3
3 12	10 55.71	+13 2.7	1.140	2.120	5.9	16.5
3 22	10 47.24	+13 37.3	1.164	2.113	11.1	16.7
4 1	10 40.98	+13 51.5	1.210	2.107	15.9	17.0
4 11	10 37.74	+13 43.9	1.275	2.102	19.9	17.2

143529 2003 EU_{18} 3 4.8 197.°73 0.°1/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.39	+ 4 26.5	2.574	3.399	10.5	20.3
2 11	11 19.14	+ 4 40.5	2.490	3.397	7.7	20.1
2 21	11 12.40	+ 5 2.5	2.433	3.396	4.5	19.9
3 2	11 4.70	+ 5 29.5	2.404	3.394	1.0	19.6
3 12	10 56.77	+ 5 57.6	2.406	3.392	2.5	19.7
3 22	10 49.30	+ 6 23.1	2.438	3.390	5.9	19.9
4 1	10 42.98	+ 6 42.8	2.497	3.387	8.9	20.1
4 11	10 38.28	+ 6 54.2	2.580	3.385	11.6	20.3

260828 2005 QJ_{14} 3 4.8 86.°05 0.°4/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.02	+ 2 39.1	1.858	2.691	13.5	21.1
2 11	11 19.87	+ 3 56.2	1.805	2.718	9.8	20.9
2 21	11 12.87	+ 5 27.0	1.778	2.744	5.5	20.7
3 2	11 4.79	+ 7 4.5	1.779	2.769	1.1	20.4
3 12	10 56.61	+ 8 39.7	1.810	2.794	3.4	20.7
3 22	10 49.26	+10 5.0	1.870	2.819	7.5	21.0
4 1	10 43.52	+11 14.7	1.956	2.843	11.2	21.2
4 11	10 39.87	+12 5.9	2.065	2.867	14.2	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
195444	2002 GG_{77}		3 4.8	235.°06	5.°1/28.3	18
	h m	° ′			°	m
2 1	11 28.14	+21 6.8	2.316	3.164	10.6	20.8
2 11	11 22.14	+22 2.1	2.239	3.153	8.0	20.6
2 21	11 14.25	+22 55.2	2.188	3.141	5.8	20.4
3 2	11 5.13	+23 39.3	2.166	3.128	5.2	20.4
3 12	10 55.68	+24 8.6	2.173	3.115	7.0	20.5
3 22	10 46.84	+24 19.6	2.208	3.102	9.6	20.6
4 1	10 39.43	+24 11.1	2.267	3.088	12.4	20.8
4 11	10 34.05	+23 44.5	2.347	3.074	14.8	20.9
249833	2001 OP_{41}		3 4.8	73.°30	2.°2/ 3.4	18
2 1	11 35.08	+11 48.7	1.649	2.492	14.4	19.4
2 11	11 27.23	+11 54.1	1.601	2.519	10.4	19.2
2 21	11 17.11	+12 2.8	1.578	2.545	5.9	19.0
3 2	11 5.72	+12 9.4	1.583	2.570	2.3	18.8
3 12	10 54.37	+12 8.8	1.617	2.596	4.7	19.0
3 22	10 44.26	+11 58.1	1.679	2.621	8.8	19.3
4 1	10 36.32	+11 36.1	1.766	2.646	12.6	19.6
4 11	10 31.06	+11 3.0	1.876	2.671	15.6	19.9
334706	2003 FW_{30}		3 4.8	320.°81	4.°8/ 1.4	17
2 1	11 26.14	+14 50.1	1.376	2.247	15.1	19.9
2 11	11 21.98	+15 33.1	1.280	2.211	11.2	19.6
2 21	11 14.82	+16 22.1	1.207	2.175	7.1	19.2
3 2	11 5.37	+17 8.2	1.157	2.140	4.8	19.0
3 12	10 54.92	+17 41.2	1.134	2.105	7.8	19.0
3 22	10 45.03	+17 53.1	1.134	2.071	12.7	19.2
4 1	10 37.23	+17 39.9	1.155	2.038	17.6	19.4
4 11	10 32.58	+17 1.5	1.194	2.006	21.9	19.6
135299	2001 SO_{222}		3 4.8	262.°12	0.°5/ 5.4	18
2 1	11 21.16	+ 0 53.7	2.250	3.075	11.8	19.8
2 11	11 17.01	+ 1 42.4	2.167	3.073	8.7	19.6
2 21	11 11.26	+ 2 44.8	2.109	3.071	5.2	19.4
3 2	11 4.47	+ 3 56.8	2.080	3.069	1.4	19.1
3 12	10 57.40	+ 5 12.3	2.080	3.067	2.6	19.2
3 22	10 50.83	+ 6 24.9	2.109	3.065	6.4	19.4
4 1	10 45.47	+ 7 29.2	2.166	3.063	9.8	19.6
4 11	10 41.85	+ 8 20.9	2.246	3.061	12.8	19.8
222276	2000 SY_6		3 4.8	73.°33	7.°2/12.0	18
2 1	11 24.36	−15 47.9	1.852	2.602	16.7	20.1
2 11	11 19.66	−16 6.0	1.779	2.613	14.0	19.9
2 21	11 12.91	−15 57.5	1.725	2.625	11.0	19.8
3 2	11 4.85	−15 21.7	1.695	2.636	8.4	19.6
3 12	10 56.48	−14 22.0	1.690	2.648	7.2	19.6
3 22	10 48.82	−13 4.8	1.713	2.660	8.3	19.7
4 1	10 42.78	−11 38.7	1.761	2.671	10.9	19.8
4 11	10 38.96	−10 12.9	1.832	2.683	13.7	20.0
59939	1999 RW_{192}		3 4.8	270.°46	1.°1/ 3.3	18
2 1	11 20.85	+ 6 11.6	2.482	3.320	10.4	19.9
2 11	11 16.75	+ 7 16.6	2.388	3.304	7.5	19.7
2 21	11 11.12	+ 8 31.8	2.320	3.288	4.2	19.5
3 2	11 4.46	+ 9 52.3	2.282	3.271	1.2	19.2
3 12	10 57.45	+11 11.7	2.274	3.255	3.4	19.4
3 22	10 50.84	+12 24.2	2.296	3.239	6.8	19.6
4 1	10 45.29	+13 25.0	2.345	3.222	10.0	19.7
4 11	10 41.36	+14 11.0	2.418	3.205	12.8	19.9
282140	2001 QK_{166}		3 4.8	242.°39	2.°4/ 1.8	17
2 1	11 22.62	+11 1.4	2.497	3.342	10.0	21.2
2 11	11 18.02	+12 8.1	2.410	3.330	7.2	21.0
2 21	11 11.84	+13 21.1	2.349	3.317	4.2	20.7
3 2	11 4.62	+14 34.8	2.319	3.303	2.4	20.6
3 12	10 57.06	+15 43.1	2.318	3.289	4.4	20.7
3 22	10 49.93	+16 40.6	2.347	3.275	7.5	20.9
4 1	10 43.92	+17 23.7	2.402	3.260	10.5	21.0
4 11	10 39.57	+17 50.6	2.480	3.246	13.1	21.2
40459	Rektorys		3 4.8	54.°26	5.°0/ 9.5	18 R
2 1	11 24.13	− 9 14.7	1.782	2.571	15.8	18.9
2 11	11 19.49	− 9 21.0	1.711	2.581	12.7	18.7
2 21	11 12.81	− 9 4.6	1.661	2.592	9.2	18.5
3 2	11 4.83	− 8 26.6	1.636	2.603	6.0	18.3
3 12	10 56.57	− 7 31.4	1.638	2.614	5.1	18.3
3 22	10 49.03	− 6 25.8	1.667	2.626	7.5	18.4
4 1	10 43.13	− 5 17.7	1.722	2.637	10.8	18.7
4 11	10 39.46	− 4 14.5	1.800	2.649	14.0	18.9
50919	2000 GX_{57}		3 4.8	279.°28	3.°4/ 8.6	18
2 1	11 21.72	− 7 7.0	2.175	2.966	13.3	18.9
2 11	11 17.53	− 6 48.8	2.085	2.962	10.5	18.7
2 21	11 11.62	− 6 11.6	2.018	2.957	7.3	18.5
3 2	11 4.57	− 5 17.2	1.978	2.952	4.3	18.3
3 12	10 57.19	− 4 10.3	1.966	2.947	3.7	18.3
3 22	10 50.30	− 2 56.7	1.982	2.943	6.3	18.4
4 1	10 44.68	− 1 43.4	2.026	2.938	9.6	18.6
4 11	10 40.89	− 0 36.4	2.094	2.933	12.7	18.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
294561	2007 YP_{41}		3 4.8	93.°44	2.°9/ 7.1	18
	h m	° ′			°	m
2 1	11 27.86	− 2 37.1	1.657	2.474	15.7	20.4
2 11	11 22.29	− 2 38.4	1.588	2.484	12.0	20.2
2 21	11 14.47	− 2 21.5	1.542	2.494	7.8	20.0
3 2	11 5.21	− 1 48.9	1.521	2.504	3.8	19.8
3 12	10 55.64	− 1 6.0	1.528	2.514	3.7	19.8
3 22	10 46.92	− 0 19.3	1.563	2.523	7.6	20.0
4 1	10 40.03	+ 0 24.4	1.623	2.533	11.7	20.3
4 11	10 35.62	+ 0 59.6	1.705	2.542	15.2	20.5
205883	2002 EH_{155}		3 4.8	358.°63	3.°1/ 2.8	18
2 1	11 27.95	+11 8.8	1.277	2.145	16.2	20.1
2 11	11 22.98	+11 42.5	1.213	2.143	11.8	19.8
2 21	11 15.13	+12 24.2	1.171	2.142	6.9	19.5
3 2	11 5.38	+13 5.5	1.154	2.141	3.1	19.3
3 12	10 55.21	+13 37.4	1.162	2.141	6.1	19.5
3 22	10 46.12	+13 53.3	1.195	2.142	11.1	19.7
4 1	10 39.38	+13 49.8	1.250	2.143	15.7	20.0
4 11	10 35.73	+13 26.7	1.323	2.145	19.6	20.3
453333	2008 YY_{35}		3 4.8	75.°19	2.°2/ 3.1	18
2 1	11 29.22	+ 8 13.2	1.393	2.249	15.9	20.9
2 11	11 23.39	+ 9 10.7	1.348	2.272	11.3	20.7
2 21	11 15.07	+10 18.3	1.326	2.296	6.4	20.5
3 2	11 5.32	+11 27.2	1.331	2.319	2.3	20.3
3 12	10 55.48	+12 27.8	1.362	2.342	5.2	20.6
3 22	10 46.87	+13 13.1	1.420	2.365	9.8	20.9
4 1	10 40.46	+13 39.2	1.501	2.388	14.0	21.2
4 11	10 36.83	+13 45.4	1.602	2.410	17.3	21.4
364193	2006 QA_3		3 4.8	191.°50	0.°5/ 4.3	18
2 1	11 26.52	+ 4 34.9	2.125	2.955	12.2	22.2
2 11	11 21.01	+ 5 20.6	2.043	2.953	8.9	22.0
2 21	11 13.63	+ 6 17.6	1.986	2.951	5.1	21.8
3 2	11 5.03	+ 7 20.9	1.958	2.948	1.1	21.5
3 12	10 56.09	+ 8 24.2	1.961	2.945	3.2	21.6
3 22	10 47.74	+ 9 21.5	1.992	2.941	7.2	21.9
4 1	10 40.80	+10 7.9	2.051	2.936	10.9	22.1
4 11	10 35.85	+10 40.2	2.132	2.930	13.9	22.3
199146	2005 YQ_{136}		3 4.8	143.°96	1.°6/ 6.2	18
2 1	11 30.48	− 0 28.6	1.872	2.685	14.3	21.5
2 11	11 23.97	− 0 10.5	1.801	2.698	10.7	21.3
2 21	11 15.34	+ 0 23.0	1.755	2.711	6.6	21.1
3 2	11 5.40	+ 1 8.2	1.736	2.722	2.5	20.8
3 12	10 55.20	+ 1 59.3	1.747	2.733	3.1	20.9
3 22	10 45.81	+ 2 50.1	1.786	2.743	7.2	21.2
4 1	10 38.14	+ 3 34.8	1.853	2.752	11.1	21.4
4 11	10 32.80	+ 4 9.1	1.943	2.760	14.4	21.7
25298	Fionapaine		3 4.8	76.°55	0.°9/ 3.8	18
2 1	11 23.55	+ 6 15.2	2.030	2.872	12.2	18.7
2 11	11 18.85	+ 6 58.8	1.960	2.877	8.8	18.5
2 21	11 12.36	+ 7 52.2	1.914	2.882	5.0	18.2
3 2	11 4.74	+ 8 49.9	1.897	2.887	1.2	18.0
3 12	10 56.88	+ 9 45.8	1.908	2.891	3.5	18.1
3 22	10 49.65	+10 34.0	1.948	2.896	7.4	18.4
4 1	10 43.85	+11 10.2	2.014	2.901	10.9	18.6
4 11	10 40.02	+11 32.1	2.102	2.906	13.9	18.8
371020	2005 UP_{58}		3 4.8	128.°64	0.°7/ 4.1	16
2 1	11 26.28	+ 5 58.1	1.983	2.820	12.6	22.4
2 11	11 20.84	+ 6 34.1	1.914	2.829	9.1	22.2
2 21	11 13.50	+ 7 19.7	1.870	2.837	5.2	22.0
3 2	11 4.99	+ 8 10.0	1.854	2.844	1.2	21.7
3 12	10 56.25	+ 8 58.7	1.868	2.852	3.4	21.9
3 22	10 48.21	+ 9 40.3	1.910	2.859	7.5	22.1
4 1	10 41.71	+10 10.7	1.978	2.866	11.1	22.4
4 11	10 37.29	+10 27.5	2.069	2.872	14.1	22.6
94611	2001 VK_{112}		3 4.8	251.°38	3.°9/ 7.8	18
2 1	11 27.77	− 5 2.5	1.624	2.432	16.3	19.2
2 11	11 22.58	− 5 9.0	1.532	2.420	12.8	18.9
2 21	11 14.87	− 4 54.4	1.462	2.407	8.8	18.6
3 2	11 5.36	− 4 19.7	1.417	2.395	4.9	18.4
3 12	10 55.19	− 3 29.2	1.399	2.382	4.5	18.3
3 22	10 45.63	− 2 30.1	1.408	2.369	8.3	18.5
4 1	10 37.87	− 1 30.5	1.442	2.355	12.7	18.7
4 11	10 32.75	− 0 38.0	1.498	2.341	16.7	18.9
445883	2012 UR_{133}		3 4.8	136.°17	2.°4/ 2.9	18
2 1	11 30.78	+ 9 5.2	1.464	2.316	15.4	21.6
2 11	11 24.66	+ 9 57.0	1.403	2.325	11.1	21.4
2 21	11 15.93	+10 58.6	1.365	2.334	6.4	21.1
3 2	11 5.55	+12 1.8	1.354	2.342	2.5	20.9
3 12	10 54.87	+12 57.3	1.371	2.350	5.4	21.1
3 22	10 45.25	+13 38.0	1.414	2.357	10.1	21.4
4 1	10 37.82	+13 59.9	1.481	2.364	14.4	21.6
4 11	10 33.23	+14 2.1	1.568	2.370	17.9	21.9

307513 2003 AU_{21} 3 4.8 348.°62 6.°2/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.50	− 5 17.7	1.328	2.149	18.6	19.2
2 11	11 22.76	− 6 28.2	1.249	2.141	14.9	19.0
2 21	11 15.13	− 7 19.5	1.191	2.133	10.7	18.7
3 2	11 5.43	− 7 49.2	1.155	2.127	7.1	18.5
3 12	10 55.03	− 7 58.3	1.144	2.122	6.6	18.4
3 22	10 45.43	− 7 51.0	1.158	2.118	9.8	18.6
4 1	10 38.01	− 7 34.2	1.195	2.115	14.1	18.8
4 11	10 33.68	− 7 16.0	1.251	2.113	18.1	19.0

119728 2001 XT_{259} 3 4.8 288.°99 7.°6/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.86	+23 39.8	1.723	2.586	12.9	19.5
2 11	11 21.77	+25 8.8	1.661	2.579	10.1	19.3
2 21	11 14.27	+26 33.6	1.624	2.571	8.0	19.2
3 2	11 5.20	+27 43.7	1.612	2.563	7.9	19.1
3 12	10 55.74	+28 30.3	1.627	2.556	10.0	19.2
3 22	10 47.12	+28 48.9	1.667	2.549	12.9	19.4
4 1	10 40.42	+28 39.0	1.728	2.541	15.9	19.6
4 11	10 36.30	+28 3.6	1.806	2.534	18.5	19.8

214946 2007 VX_{283} 3 4.8 307.°41 1.°4/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.44	+ 0 31.8	1.430	2.271	16.3	20.4
2 11	11 20.38	+ 0 49.8	1.342	2.255	12.4	20.1
2 21	11 13.69	+ 1 27.5	1.277	2.239	7.6	19.8
3 2	11 5.12	+ 2 21.2	1.236	2.224	2.6	19.5
3 12	10 55.86	+ 3 23.5	1.221	2.209	3.7	19.5
3 22	10 47.27	+ 4 25.7	1.232	2.194	9.0	19.8
4 1	10 40.61	+ 5 19.4	1.266	2.179	14.0	20.0
4 11	10 36.75	+ 5 58.2	1.321	2.166	18.3	20.2

31329 1998 HU_{57} 3 4.8 84.°74 1.°8/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.49	+10 16.4	2.304	3.148	10.8	18.6
2 11	11 19.33	+10 48.8	2.236	3.155	7.8	18.4
2 21	11 12.55	+11 26.1	2.194	3.162	4.4	18.2
3 2	11 4.79	+12 3.6	2.181	3.169	1.8	18.0
3 12	10 56.84	+12 36.4	2.197	3.175	3.8	18.2
3 22	10 49.50	+13 0.4	2.243	3.182	7.1	18.4
4 1	10 43.47	+13 13.0	2.314	3.189	10.2	18.6
4 11	10 39.24	+13 13.1	2.408	3.196	12.8	18.8

205527 2001 SD_{117} 3 4.8 180.°89 2.°4/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.01	− 3 29.2	2.496	3.292	11.6	20.8
2 11	11 18.95	− 3 24.8	2.409	3.293	8.9	20.6
2 21	11 12.35	− 3 7.2	2.347	3.293	5.9	20.4
3 2	11 4.76	− 2 38.1	2.313	3.293	3.1	20.2
3 12	10 56.90	− 2 0.9	2.309	3.293	2.9	20.2
3 22	10 49.51	− 1 19.9	2.334	3.292	5.7	20.4
4 1	10 43.27	− 0 39.7	2.388	3.292	8.7	20.6
4 11	10 38.69	− 0 4.5	2.465	3.291	11.5	20.8

165460 2000 YE_{134} 3 4.8 43.°82 0.°0/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.58	+ 3 58.8	1.294	2.148	16.9	20.1
2 11	11 21.75	+ 4 26.4	1.239	2.161	12.4	19.9
2 21	11 14.30	+ 5 9.9	1.206	2.174	7.2	19.6
3 2	11 5.21	+ 6 2.6	1.198	2.188	1.6	19.3
3 12	10 55.88	+ 6 55.9	1.215	2.202	4.1	19.5
3 22	10 47.67	+ 7 41.6	1.258	2.216	9.3	19.8
4 1	10 41.69	+ 8 13.5	1.324	2.231	14.0	20.1
4 11	10 38.57	+ 8 28.4	1.410	2.247	17.8	20.4

235970 2005 EH_{240} 3 4.8 211.°82 2.°3/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.80	+12 16.8	2.324	3.167	10.8	21.0
2 11	11 21.07	+12 44.6	2.246	3.164	7.8	20.8
2 21	11 13.61	+13 15.8	2.194	3.160	4.6	20.6
3 2	11 5.05	+13 45.5	2.171	3.157	2.3	20.4
3 12	10 56.23	+14 9.0	2.178	3.153	4.2	20.6
3 22	10 47.99	+14 22.7	2.214	3.149	7.5	20.8
4 1	10 41.10	+14 24.3	2.277	3.145	10.6	20.9
4 11	10 36.09	+14 13.1	2.362	3.140	13.3	21.1

172070 2002 AR_{70} 3 4.8 355.°33 3.°0/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.78	+12 52.1	2.039	2.896	11.5	19.7
2 11	11 18.35	+13 42.8	1.969	2.894	8.3	19.5
2 21	11 12.11	+14 37.9	1.925	2.892	4.9	19.2
3 2	11 4.72	+15 31.1	1.908	2.891	3.0	19.1
3 12	10 57.07	+16 16.0	1.920	2.890	5.2	19.2
3 22	10 50.04	+16 47.7	1.959	2.890	8.5	19.5
4 1	10 44.44	+17 3.4	2.023	2.890	11.8	19.7
4 11	10 40.82	+17 2.3	2.108	2.890	14.6	19.8

409845 2006 SR_{29} 3 4.8 289.°03 3.°6/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.11	− 4 51.8	1.590	2.405	16.3	20.9
2 11	11 20.60	− 4 48.7	1.505	2.397	12.7	20.6
2 21	11 13.69	− 4 23.7	1.441	2.390	8.6	20.4
3 2	11 5.12	− 3 38.4	1.402	2.382	4.7	20.1
3 12	10 56.00	− 2 38.1	1.390	2.375	4.3	20.1
3 22	10 47.56	− 1 30.8	1.405	2.367	8.1	20.3
4 1	10 40.89	− 0 24.8	1.444	2.360	12.4	20.5
4 11	10 36.78	+ 0 32.1	1.505	2.353	16.3	20.7

382828 2003 YW_2 3 4.8 152.°64 0.°9/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.94	+ 6 32.6	2.317	3.153	11.1	21.3
2 11	11 18.96	+ 7 16.5	2.244	3.158	8.0	21.1
2 21	11 12.37	+ 8 8.8	2.196	3.163	4.5	20.9
3 2	11 4.78	+ 9 4.7	2.177	3.167	1.1	20.7
3 12	10 56.95	+ 9 58.6	2.188	3.171	3.2	20.8
3 22	10 49.69	+10 45.7	2.229	3.174	6.8	21.1
4 1	10 43.69	+11 21.9	2.296	3.178	10.0	21.3
4 11	10 39.45	+11 45.1	2.386	3.181	12.7	21.5

500717 2012 XJ_{20} 3 4.8 199.°51 4.°3/28.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.00	+18 59.8	2.528	3.380	9.7	21.3
2 11	11 18.96	+19 59.1	2.460	3.378	7.2	21.1
2 21	11 12.36	+20 57.7	2.419	3.376	5.0	21.0
3 2	11 4.77	+21 49.6	2.407	3.375	4.3	20.9
3 12	10 56.97	+22 29.5	2.425	3.372	6.0	21.0
3 22	10 49.71	+22 54.1	2.470	3.370	8.5	21.2
4 1	10 43.67	+23 1.7	2.540	3.368	11.0	21.3
4 11	10 39.36	+22 52.6	2.632	3.365	13.2	21.5

234716 2002 JY_{85} 3 4.8 343.°21 1.°7/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.85	+ 9 3.9	1.923	2.770	12.5	20.2
2 11	11 20.66	+ 9 37.3	1.850	2.770	9.0	20.0
2 21	11 13.48	+10 18.1	1.801	2.769	5.2	19.7
3 2	11 5.04	+11 0.8	1.781	2.769	1.8	19.5
3 12	10 56.30	+11 39.1	1.789	2.769	4.1	19.6
3 22	10 48.25	+12 8.0	1.824	2.769	8.1	19.9
4 1	10 41.75	+12 24.0	1.886	2.769	11.8	20.1
4 11	10 37.42	+12 25.4	1.969	2.769	14.9	20.3

357169 2002 CG_{288} 3 4.8 110.°81 1.°7/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.33	+ 0 47.5	1.519	2.350	16.1	20.6
2 11	11 23.61	+ 0 49.2	1.449	2.355	12.1	20.4
2 21	11 15.36	+ 1 7.2	1.400	2.360	7.5	20.1
3 2	11 5.48	+ 1 38.0	1.378	2.365	2.7	19.9
3 12	10 55.20	+ 2 15.7	1.382	2.370	3.6	19.9
3 22	10 45.84	+ 2 53.5	1.414	2.374	8.4	20.2
4 1	10 38.49	+ 3 25.2	1.471	2.379	12.8	20.5
4 11	10 33.86	+ 3 45.9	1.549	2.383	16.6	20.7

248411 2005 SV_{159} 3 4.8 221.°91 3.°3/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.80	− 8 20.6	2.857	3.627	11.0	20.6
2 11	11 17.25	− 8 13.3	2.759	3.620	8.7	20.4
2 21	11 11.35	− 7 51.2	2.684	3.613	6.3	20.2
3 2	11 4.56	− 7 15.5	2.638	3.605	4.0	20.1
3 12	10 57.50	− 6 28.8	2.621	3.597	3.5	20.0
3 22	10 50.79	− 5 35.3	2.634	3.589	5.3	20.1
4 1	10 45.03	− 4 39.5	2.675	3.581	7.8	20.3
4 11	10 40.71	− 3 46.1	2.742	3.572	10.3	20.4

204198 2004 BG_{137} 3 4.8 124.°79 1.°3/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.18	+ 8 2.6	2.357	3.195	10.8	21.2
2 11	11 19.08	+ 8 44.3	2.288	3.204	7.8	21.0
2 21	11 12.42	+ 9 32.8	2.246	3.213	4.4	20.8
3 2	11 4.79	+10 23.3	2.233	3.222	1.4	20.6
3 12	10 56.98	+11 10.5	2.250	3.230	3.4	20.7
3 22	10 49.76	+11 49.9	2.296	3.238	6.8	21.0
4 1	10 43.80	+12 18.3	2.369	3.246	9.9	21.2
4 11	10 39.58	+12 33.8	2.464	3.254	12.5	21.4

189806 2002 JX_{148} 3 4.8 92.°60 0.°4/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.88	+ 3 13.2	1.969	2.799	13.0	20.3
2 11	11 20.57	+ 3 34.3	1.900	2.809	9.5	20.1
2 21	11 13.38	+ 4 7.0	1.856	2.819	5.6	19.8
3 2	11 5.03	+ 4 47.0	1.840	2.829	1.4	19.6
3 12	10 56.45	+ 5 28.9	1.852	2.839	2.9	19.7
3 22	10 48.59	+ 6 7.4	1.893	2.848	7.0	20.0
4 1	10 42.24	+ 6 37.9	1.961	2.858	10.7	20.2
4 11	10 37.98	+ 6 57.3	2.051	2.867	13.8	20.4

334651 2002 XY_{26} 3 4.8 106.°57 3.°2/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.28	− 5 37.0	2.396	3.183	12.3	21.0
2 11	11 19.86	− 5 41.1	2.322	3.197	9.6	20.9
2 21	11 12.87	− 5 30.5	2.272	3.211	6.6	20.7
3 2	11 4.91	− 5 6.5	2.250	3.224	3.9	20.6
3 12	10 56.76	− 4 32.6	2.257	3.238	3.4	20.6
3 22	10 49.17	− 3 53.1	2.294	3.251	5.8	20.7
4 1	10 42.84	− 3 12.7	2.358	3.263	8.7	20.9
4 11	10 38.26	− 2 36.1	2.447	3.276	11.4	21.1

135267 2001 SC_{80} 3 4.8 154.°04 1.°2/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.26	− 0 17.0	2.541	3.352	11.0	20.5
2 11	11 18.36	+ 0 6.7	2.461	3.357	8.2	20.4
2 21	11 12.00	+ 0 42.0	2.406	3.361	5.1	20.2
3 2	11 4.72	+ 1 26.2	2.379	3.366	1.9	20.0
3 12	10 57.23	+ 2 14.9	2.383	3.370	2.4	20.0
3 22	10 50.21	+ 3 3.5	2.417	3.374	5.6	20.2
4 1	10 44.33	+ 3 47.7	2.478	3.377	8.7	20.4
4 11	10 40.04	+ 4 23.9	2.564	3.380	11.3	20.6

54644 2000 SN_{284} 3 4.8 349.°95 1.°5/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 20.58	− 0 57.2	2.991	3.797	9.7	18.9
2 11	11 16.27	− 0 49.6	2.904	3.796	7.3	18.7
2 21	11 10.74	− 0 32.2	2.843	3.795	4.7	18.6
3 2	11 4.44	− 0 7.0	2.810	3.794	2.1	18.4
3 12	10 57.94	+ 0 23.1	2.807	3.793	2.2	18.4
3 22	10 51.81	+ 0 54.8	2.834	3.792	4.8	18.6
4 1	10 46.59	+ 1 24.7	2.890	3.792	7.4	18.7
4 11	10 42.68	+ 1 49.8	2.970	3.791	9.8	18.9

213935 2003 VZ_5 3 4.8 293.°68 4.°2/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.71	+13 51.3	1.506	2.369	14.4	20.4
2 11	11 22.62	+14 45.7	1.433	2.360	10.5	20.1
2 21	11 14.91	+15 45.7	1.383	2.351	6.5	19.9
3 2	11 5.43	+16 42.4	1.359	2.342	4.2	19.7
3 12	10 55.45	+17 26.6	1.362	2.332	6.9	19.8
3 22	10 46.32	+17 51.9	1.391	2.324	11.2	20.0
4 1	10 39.22	+17 54.9	1.442	2.315	15.3	20.3
4 11	10 34.92	+17 36.2	1.512	2.306	18.8	20.5

352137 2007 HQ_{97} 3 4.8 284.°94 5.°1/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.85	+13 21.6	1.382	2.251	15.1	20.8
2 11	11 21.60	+14 53.6	1.303	2.233	11.1	20.5
2 21	11 14.51	+16 36.4	1.247	2.215	6.9	20.2
3 2	11 5.37	+18 18.3	1.217	2.197	5.2	20.1
3 12	10 55.51	+19 46.3	1.213	2.178	8.3	20.2
3 22	10 46.40	+20 50.3	1.234	2.160	12.9	20.4
4 1	10 39.40	+21 24.8	1.276	2.142	17.3	20.6
4 11	10 35.40	+21 29.6	1.335	2.124	21.2	20.8

102616 1999 VC_{22} 3 4.8 110.°36 0.°8/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.41	+ 5 3.0	1.787	2.625	13.7	19.6
2 11	11 21.78	+ 5 54.4	1.728	2.643	9.9	19.4
2 21	11 14.11	+ 6 57.6	1.693	2.659	5.6	19.2
3 2	11 5.20	+ 8 6.1	1.686	2.676	1.2	18.9
3 12	10 56.11	+ 9 12.4	1.708	2.692	3.7	19.2
3 22	10 47.87	+10 9.6	1.758	2.707	8.0	19.4
4 1	10 41.36	+10 53.0	1.834	2.722	11.8	19.7
4 11	10 37.12	+11 20.0	1.932	2.736	14.9	19.9

141280 2001 YS_{53} 3 4.8 10.°44 4.°7/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.28	+17 30.0	1.958	2.820	11.6	18.7
2 11	11 18.78	+18 31.8	1.897	2.822	8.5	18.5
2 21	11 12.39	+19 34.1	1.862	2.824	5.7	18.4
3 2	11 4.83	+20 29.3	1.854	2.827	4.7	18.3
3 12	10 57.03	+21 10.7	1.874	2.830	6.7	18.4
3 22	10 49.95	+21 34.1	1.920	2.833	9.8	18.6
4 1	10 44.40	+21 37.7	1.989	2.837	12.8	18.8
4 11	10 40.93	+21 22.1	2.079	2.842	15.4	19.0

32296 Aninsayana 3 4.8 201.°91 0.°3/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.67	+ 2 49.5	2.462	3.287	10.9	19.9
2 11	11 18.02	+ 3 20.9	2.379	3.285	8.0	19.7
2 21	11 11.85	+ 4 2.7	2.321	3.283	4.7	19.5
3 2	11 4.71	+ 4 51.2	2.292	3.281	1.2	19.3
3 12	10 57.30	+ 5 41.9	2.293	3.279	2.5	19.4
3 22	10 50.37	+ 6 29.8	2.323	3.277	6.0	19.6
4 1	10 44.58	+ 7 10.7	2.381	3.274	9.2	19.8
4 11	10 40.43	+ 7 41.6	2.463	3.272	12.0	20.0

421391 2013 UX_{13} 3 4.8 125.°84 7.°5/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.92	−18 7.0	2.256	2.971	15.1	20.9
2 11	11 21.32	−18 48.7	2.174	2.980	12.9	20.7
2 21	11 13.86	−19 7.9	2.114	2.989	10.5	20.6
3 2	11 5.17	−19 2.9	2.078	2.998	8.5	20.5
3 12	10 56.14	−18 35.0	2.068	3.006	7.5	20.4
3 22	10 47.68	−17 48.2	2.086	3.015	8.3	20.5
4 1	10 40.61	−16 48.6	2.130	3.022	10.1	20.6
4 11	10 35.55	−15 43.7	2.197	3.030	12.4	20.8

10441 van Rijckevorsel 3 4.8 118.°26 3.°4/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.63	− 8 8.6	2.036	2.821	14.3	17.9
2 11	11 19.62	− 7 31.0	1.964	2.837	11.2	17.7
2 21	11 12.83	− 6 32.1	1.915	2.852	7.7	17.5
3 2	11 4.93	− 5 14.9	1.892	2.867	4.4	17.4
3 12	10 56.81	− 3 45.5	1.899	2.881	3.7	17.3
3 22	10 49.37	− 2 11.5	1.935	2.895	6.5	17.5
4 1	10 43.38	− 0 40.9	1.999	2.909	9.9	17.8
4 11	10 39.38	+ 0 39.9	2.088	2.921	12.9	18.0

94895 2001 YF_7 3 4.8 247.°61 0.°9/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.23	+ 6 44.9	1.607	2.450	14.8	19.8
2 11	11 24.37	+ 7 4.9	1.522	2.439	10.9	19.5
2 21	11 15.92	+ 7 35.8	1.461	2.428	6.3	19.2
3 2	11 5.67	+ 8 12.3	1.426	2.416	1.4	18.9
3 12	10 54.84	+ 8 47.7	1.420	2.404	4.2	19.0
3 22	10 44.74	+ 9 15.4	1.441	2.392	9.2	19.3
4 1	10 36.56	+ 9 30.8	1.486	2.379	13.7	19.5
4 11	10 31.11	+ 9 31.3	1.552	2.366	17.5	19.7

318780 2005 SL_{100} 3 4.8 26.°79 2.°1/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.74	− 0 6.6	1.181	2.029	18.7	20.4
2 11	11 22.24	− 0 1.0	1.118	2.033	14.1	20.1
2 21	11 14.80	+ 0 26.4	1.075	2.038	8.8	19.8
3 2	11 5.42	+ 1 11.5	1.056	2.043	3.3	19.5
3 12	10 55.58	+ 2 5.9	1.061	2.049	4.1	19.6
3 22	10 46.85	+ 3 0.3	1.091	2.055	9.6	19.9
4 1	10 40.52	+ 3 45.9	1.143	2.062	14.7	20.2
4 11	10 37.33	+ 4 16.6	1.214	2.070	19.0	20.5

168898 2000 WQ_{137} 3 4.8 17.°01 4.°4/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.29	+13 8.7	1.172	2.049	16.7	18.5
2 11	11 21.88	+13 57.6	1.119	2.053	12.1	18.2
2 21	11 14.54	+14 52.5	1.088	2.058	7.2	18.0
3 2	11 5.34	+15 43.2	1.080	2.065	4.4	17.8
3 12	10 55.84	+16 19.5	1.097	2.072	7.3	18.0
3 22	10 47.57	+16 34.9	1.138	2.080	12.0	18.3
4 1	10 41.76	+16 27.0	1.199	2.089	16.5	18.6
4 11	10 39.08	+15 56.9	1.279	2.099	20.2	18.9

3827 Zdeněkhorský 3 4.8 150.°25 0.°4/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.14	+ 3 3.6	2.214	3.038	12.0	17.9
2 11	11 20.62	+ 3 26.0	2.139	3.044	8.8	17.7
2 21	11 13.38	+ 3 59.0	2.088	3.050	5.2	17.5
3 2	11 5.06	+ 4 38.9	2.067	3.056	1.3	17.2
3 12	10 56.49	+ 5 20.8	2.075	3.061	2.7	17.3
3 22	10 48.53	+ 5 59.8	2.112	3.066	6.5	17.6
4 1	10 41.93	+ 6 31.7	2.177	3.070	9.9	17.8
4 11	10 37.22	+ 6 53.5	2.265	3.074	12.8	18.0

83489 2001 SW_{105} 3 4.8 143.°89 2.°5/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.46	− 5 20.8	2.725	3.511	11.0	19.9
2 11	11 17.71	− 5 0.8	2.643	3.519	8.5	19.7
2 21	11 11.60	− 4 26.8	2.586	3.527	5.8	19.6
3 2	11 4.66	− 3 41.0	2.558	3.535	3.2	19.4
3 12	10 57.51	− 2 47.0	2.559	3.542	2.8	19.4
3 22	10 50.82	− 1 49.5	2.591	3.549	5.2	19.5
4 1	10 45.17	− 0 53.1	2.651	3.555	7.9	19.7
4 11	10 41.01	− 0 2.1	2.736	3.561	10.5	19.9

199076 2005 XX_{65} 3 4.8 38.°07 5.°3/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.98	− 7 42.4	1.330	2.144	18.9	19.9
2 11	11 21.51	− 7 52.6	1.260	2.148	15.1	19.7
2 21	11 14.33	− 7 35.3	1.210	2.152	10.7	19.5
3 2	11 5.32	− 6 51.3	1.182	2.156	6.6	19.2
3 12	10 55.83	− 5 46.3	1.180	2.161	5.6	19.2
3 22	10 47.26	− 4 29.8	1.202	2.166	9.0	19.4
4 1	10 40.86	− 3 12.5	1.249	2.171	13.4	19.6
4 11	10 37.37	− 2 4.0	1.315	2.176	17.4	19.9

98158 2000 ST_{75} 3 4.8 260.°10 4.°5/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.86	+14 30.8	1.617	2.476	13.9	19.0
2 11	11 23.42	+15 33.1	1.537	2.461	10.2	18.7
2 21	11 15.39	+16 40.9	1.480	2.446	6.4	18.5
3 2	11 5.57	+17 45.2	1.451	2.431	4.5	18.3
3 12	10 55.16	+18 36.8	1.449	2.415	7.1	18.4
3 22	10 45.49	+19 8.8	1.473	2.399	11.2	18.6
4 1	10 37.74	+19 17.9	1.520	2.383	15.2	18.8
4 11	10 32.73	+19 4.3	1.587	2.366	18.7	19.0

191817 2004 TY_{302} 3 4.8 181.°43 2.°3/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.69	+11 6.4	2.247	3.092	11.1	20.5
2 11	11 20.33	+11 56.5	2.173	3.092	7.9	20.3
2 21	11 13.24	+12 51.9	2.126	3.093	4.6	20.1
3 2	11 5.04	+13 47.0	2.107	3.093	2.3	19.9
3 12	10 56.58	+14 35.8	2.118	3.092	4.4	20.1
3 22	10 48.71	+15 13.5	2.158	3.091	7.8	20.3
4 1	10 42.19	+15 37.1	2.224	3.090	10.9	20.5
4 11	10 37.56	+15 45.6	2.313	3.088	13.6	20.7

55523 2001 VB_{51} 3 4.8 231.°17 2.°0/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.83	+11 39.4	2.508	3.349	10.2	18.9
2 11	11 20.31	+12 6.4	2.425	3.342	7.3	18.7
2 21	11 13.18	+12 37.1	2.368	3.335	4.3	18.5
3 2	11 5.03	+13 7.1	2.341	3.327	2.0	18.3
3 12	10 56.60	+13 32.0	2.344	3.320	3.9	18.4
3 22	10 48.68	+13 48.2	2.376	3.312	7.0	18.6
4 1	10 41.96	+13 53.4	2.435	3.304	10.0	18.8
4 11	10 36.98	+13 46.6	2.518	3.295	12.6	18.9

51372 2000 YM_{18} 3 4.8 205.°65 3.°2/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.70	− 4 19.3	1.837	2.640	14.9	19.5
2 11	11 22.22	− 4 17.5	1.750	2.637	11.6	19.2
2 21	11 14.54	− 3 57.0	1.686	2.633	7.8	19.0
3 2	11 5.37	− 3 19.7	1.649	2.628	4.1	18.8
3 12	10 55.74	− 2 30.2	1.640	2.624	3.8	18.7
3 22	10 46.74	− 1 34.8	1.659	2.618	7.4	18.9
4 1	10 39.36	− 0 40.4	1.704	2.613	11.3	19.1
4 11	10 34.30	+ 0 6.7	1.773	2.607	14.9	19.4

6388 1989 WL_1 3 4.8 104.°45 6.°3/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.29	−14 31.0	1.940	2.692	16.0	17.1
2 11	11 20.26	−14 34.3	1.867	2.707	13.2	16.9
2 21	11 13.28	−14 12.4	1.814	2.721	10.2	16.7
3 2	11 5.06	−13 25.3	1.786	2.735	7.4	16.6
3 12	10 56.58	−12 17.1	1.785	2.748	6.3	16.5
3 22	10 48.80	−10 54.5	1.811	2.762	7.7	16.6
4 1	10 42.58	− 9 26.0	1.864	2.775	10.4	16.8
4 11	10 38.51	− 8 0.1	1.941	2.787	13.3	17.0

358022 2006 DR_{207} 3 4.8 222.°27 0.°9/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 30.32	+ 7 2.4	1.742	2.582	14.0	20.9
2 11	11 24.22	+ 7 23.8	1.660	2.575	10.2	20.6
2 21	11 15.74	+ 7 54.9	1.601	2.568	5.9	20.3
3 2	11 5.65	+ 8 30.6	1.570	2.560	1.4	20.0
3 12	10 55.07	+ 9 4.6	1.568	2.552	4.0	20.2
3 22	10 45.23	+ 9 31.1	1.594	2.544	8.6	20.4
4 1	10 37.18	+ 9 45.8	1.645	2.535	12.8	20.7
4 11	10 31.67	+ 9 46.6	1.718	2.525	16.4	20.9

190147 2005 SA_{191} 3 4.8 171.°12 0.°1/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.94	+ 3 14.7	1.731	2.563	14.4	21.4
2 11	11 23.13	+ 4 0.2	1.657	2.568	10.6	21.2
2 21	11 15.04	+ 5 0.4	1.607	2.571	6.2	21.0
3 2	11 5.48	+ 6 9.6	1.584	2.574	1.3	20.6
3 12	10 55.54	+ 7 20.0	1.590	2.576	3.6	20.8
3 22	10 46.38	+ 8 23.7	1.624	2.577	8.2	21.1
4 1	10 39.01	+ 9 14.8	1.685	2.577	12.4	21.3
4 11	10 34.08	+ 9 49.7	1.767	2.577	15.9	21.6

498847 2008 WT_{105} 3 4.8 177.°12 4.°8/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.70	+19 0.7	2.208	3.064	10.8	21.0
2 11	11 19.68	+20 9.7	2.144	3.064	8.0	20.9
2 21	11 12.89	+21 18.1	2.107	3.065	5.6	20.7
3 2	11 4.98	+22 18.8	2.098	3.065	4.9	20.7
3 12	10 56.82	+23 5.3	2.118	3.065	6.7	20.8
3 22	10 49.31	+23 33.8	2.164	3.065	9.5	20.9
4 1	10 43.20	+23 42.5	2.235	3.065	12.2	21.1
4 11	10 39.05	+23 32.3	2.326	3.065	14.6	21.3

207964 1995 SC_{79} 3 4.8 56.°47 0.°6/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.46	+ 7 7.2	2.136	2.973	11.9	20.2
2 11	11 20.89	+ 7 17.3	2.065	2.979	8.6	20.0
2 21	11 13.55	+ 7 34.3	2.020	2.986	4.9	19.8
3 2	11 5.12	+ 7 54.6	2.003	2.993	1.1	19.6
3 12	10 56.48	+ 8 13.6	2.015	3.000	3.1	19.7
3 22	10 48.50	+ 8 27.5	2.056	3.007	6.9	20.0
4 1	10 41.96	+ 8 33.3	2.124	3.014	10.3	20.2
4 11	10 37.38	+ 8 29.2	2.215	3.021	13.2	20.4

5377 Komori 3 4.8 348.°14 0.°3/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.12	+ 3 49.8	1.208	2.063	17.8	16.6
2 11	11 23.32	+ 4 0.6	1.139	2.060	13.2	16.3
2 21	11 15.51	+ 4 28.2	1.091	2.058	7.8	16.0
3 2	11 5.62	+ 5 7.4	1.066	2.056	1.9	15.6
3 12	10 55.18	+ 5 49.8	1.067	2.055	4.3	15.8
3 22	10 45.78	+ 6 27.1	1.093	2.054	10.1	16.1
4 1	10 38.79	+ 6 52.3	1.141	2.053	15.3	16.4
4 11	10 35.02	+ 7 1.4	1.207	2.053	19.7	16.7

96618 1999 CL_{102} 3 4.8 307.°21 3.°5/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.82	+11 38.6	1.351	2.216	15.7	19.0
2 11	11 22.97	+12 24.2	1.277	2.206	11.4	18.8
2 21	11 15.26	+13 18.3	1.226	2.196	6.7	18.5
3 2	11 5.57	+14 12.3	1.200	2.186	3.5	18.2
3 12	10 55.31	+14 56.2	1.199	2.176	6.5	18.4
3 22	10 45.95	+15 22.8	1.224	2.167	11.4	18.6
4 1	10 38.80	+15 27.9	1.271	2.158	16.0	18.9
4 11	10 34.70	+15 11.1	1.336	2.149	19.9	19.1

385321 2002 AX_{141} 3 4.8 179.°20 6.°4/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.30	−12 28.6	1.956	2.717	15.6	20.6
2 11	11 21.12	−13 0.5	1.870	2.717	12.9	20.4
2 21	11 13.88	−13 10.5	1.806	2.717	9.9	20.2
3 2	11 5.23	−12 57.7	1.767	2.718	7.3	20.0
3 12	10 56.16	−12 24.0	1.754	2.718	6.4	20.0
3 22	10 47.67	−11 34.5	1.769	2.717	8.0	20.1
4 1	10 40.70	−10 36.1	1.810	2.717	10.8	20.2
4 11	10 35.94	− 9 36.5	1.873	2.717	13.8	20.4

331063 2009 WD_{22} 3 4.8 167.°31 5.°4/27.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.89	+21 12.6	2.278	3.129	10.7	21.6
2 11	11 21.23	+22 29.7	2.218	3.133	8.0	21.5
2 21	11 13.77	+23 44.3	2.186	3.137	5.9	21.3
3 2	11 5.18	+24 49.0	2.182	3.140	5.6	21.3
3 12	10 56.36	+25 37.5	2.207	3.142	7.3	21.4
3 22	10 48.21	+26 6.1	2.259	3.144	9.8	21.6
4 1	10 41.52	+26 13.7	2.335	3.146	12.4	21.8
4 11	10 36.81	+26 1.6	2.432	3.147	14.6	21.9

366411 2001 TL_1 3 4.8 202.°76 1.°9/ 2.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.83	+10 5.5	2.513	3.348	10.3	22.5
2 11	11 21.06	+10 53.7	2.428	3.343	7.4	22.3
2 21	11 13.65	+11 47.6	2.370	3.336	4.3	22.1
3 2	11 5.16	+12 42.4	2.342	3.329	1.9	21.9
3 12	10 56.37	+13 32.5	2.345	3.321	3.9	22.0
3 22	10 48.06	+14 13.5	2.378	3.312	7.1	22.2
4 1	10 40.96	+14 42.2	2.438	3.302	10.2	22.4
4 11	10 35.61	+14 57.0	2.522	3.292	12.8	22.5

393920 2005 UV_{66} 3 4.8 155.°25 4.°2/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 29.04	+12 53.4	1.557	2.415	14.3	21.2
2 11	11 23.40	+14 13.5	1.495	2.420	10.4	21.0
2 21	11 15.27	+15 40.2	1.458	2.425	6.3	20.7
3 2	11 5.54	+17 3.5	1.448	2.430	4.2	20.6
3 12	10 55.48	+18 13.2	1.466	2.434	6.9	20.8
3 22	10 46.37	+19 2.4	1.511	2.438	10.9	21.0
4 1	10 39.28	+19 27.6	1.578	2.441	14.8	21.3
4 11	10 34.90	+19 29.3	1.665	2.443	18.0	21.5

376473 2012 JH_{27} 3 4.8 198.°67 4.°8/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 25.07	+18 48.3	2.395	3.247	10.2	21.1
2 11	11 19.90	+20 16.8	2.326	3.244	7.6	20.9
2 21	11 13.02	+21 45.9	2.284	3.240	5.3	20.8
3 2	11 5.02	+23 7.9	2.272	3.236	4.9	20.7
3 12	10 56.73	+24 16.2	2.289	3.231	6.7	20.9
3 22	10 48.96	+25 6.0	2.335	3.225	9.3	21.0
4 1	10 42.49	+25 35.3	2.405	3.219	11.9	21.2
4 11	10 37.86	+25 44.3	2.495	3.212	14.2	21.3

286223 2001 UV_{124} 3 4.8 129.°86 3.°5/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.13	+16 1.8	2.616	3.466	9.5	20.8
2 11	11 18.26	+17 14.5	2.557	3.477	6.9	20.7
2 21	11 11.95	+18 28.3	2.526	3.488	4.4	20.5
3 2	11 4.77	+19 37.3	2.524	3.498	3.6	20.5
3 12	10 57.42	+20 35.9	2.553	3.508	5.3	20.6
3 22	10 50.61	+21 20.3	2.610	3.517	7.8	20.8
4 1	10 44.96	+21 48.4	2.693	3.527	10.3	20.9
4 11	10 40.91	+22 0.0	2.798	3.536	12.4	21.1

416826 2005 JK_{34} 3 4.8 324.°19 10.°2/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 27.88	+28 24.5	1.514	2.378	14.3	20.9
2 11	11 22.89	+30 16.0	1.464	2.373	11.8	20.7
2 21	11 15.11	+31 57.6	1.437	2.369	10.3	20.6
3 2	11 5.52	+33 16.0	1.435	2.365	10.7	20.6
3 12	10 55.55	+34 1.6	1.457	2.361	12.8	20.7
3 22	10 46.65	+34 10.8	1.501	2.358	15.6	20.9
4 1	10 40.02	+33 45.0	1.565	2.354	18.4	21.1
4 11	10 36.37	+32 49.6	1.643	2.351	20.8	21.3

115632 2003 UV_{124} 3 4.8 204.°20 0.°6/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 23.91	+ 5 17.0	2.197	3.032	11.6	20.1
2 11	11 19.10	+ 5 58.9	2.117	3.030	8.5	19.9
2 21	11 12.58	+ 6 51.0	2.062	3.028	4.8	19.7
3 2	11 4.93	+ 7 48.5	2.035	3.025	1.1	19.4
3 12	10 57.00	+ 8 45.5	2.039	3.023	3.2	19.6
3 22	10 49.60	+ 9 36.6	2.071	3.020	7.0	19.8
4 1	10 43.51	+10 17.3	2.129	3.017	10.4	20.0
4 11	10 39.28	+10 44.7	2.211	3.013	13.4	20.2

414911 2010 YE_1 3 4.8 40.°85 2.°3/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 24.30	+ 8 11.7	1.431	2.293	15.2	20.9
2 11	11 19.92	+ 9 13.6	1.380	2.308	10.8	20.7
2 21	11 13.20	+10 26.3	1.353	2.323	6.1	20.5
3 2	11 5.07	+11 41.0	1.351	2.339	2.3	20.3
3 12	10 56.75	+12 48.1	1.376	2.356	5.2	20.5
3 22	10 49.44	+13 40.0	1.427	2.373	9.7	20.8
4 1	10 44.12	+14 12.3	1.501	2.391	13.8	21.1
4 11	10 41.35	+14 23.8	1.595	2.409	17.2	21.3

506659 2006 SS_{200} 3 4.8 233.°49 3.°4/29.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 26.42	+17 12.3	2.709	3.553	9.4	22.3
2 11	11 20.69	+17 50.8	2.626	3.542	6.9	22.2
2 21	11 13.41	+18 29.5	2.569	3.530	4.5	22.0
3 2	11 5.11	+19 3.3	2.543	3.518	3.4	21.9
3 12	10 56.55	+19 27.9	2.546	3.505	5.0	22.0
3 22	10 48.46	+19 40.0	2.579	3.492	7.6	22.1
4 1	10 41.52	+19 38.2	2.638	3.479	10.2	22.3
4 11	10 36.26	+19 22.4	2.720	3.465	12.5	22.4

104365 2000 FP_{26} 3 4.8 240.°08 2.°9/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 1	11 28.71	+12 36.2	1.969	2.817	12.3	20.2
2 11	11 22.87	+13 16.2	1.886	2.805	8.9	19.9
2 21	11 14.89	+14 0.9	1.827	2.794	5.3	19.7
3 2	11 5.47	+14 44.2	1.797	2.782	2.9	19.5
3 12	10 55.63	+15 19.4	1.796	2.769	5.2	19.6
3 22	10 46.42	+15 41.7	1.823	2.756	8.9	19.8
4 1	10 38.79	+15 48.2	1.876	2.743	12.6	20.0
4 11	10 33.43	+15 38.1	1.950	2.730	15.7	20.2

357346 2003 QC_{41} 3 4.8 194.°82 0.°3/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.56	+ 5 17.1	2.163	2.989	12.1	22.0
2 11	11 23.25	+ 5 44.2	2.078	2.986	8.9	21.8
2 21	11 15.01	+ 6 21.0	2.019	2.983	5.1	21.5
3 2	11 5.49	+ 7 3.0	1.988	2.978	1.1	21.2
3 12	10 55.62	+ 7 45.0	1.988	2.973	3.1	21.4
3 22	10 46.33	+ 8 22.0	2.018	2.967	7.1	21.6
4 1	10 38.50	+ 8 49.7	2.076	2.960	10.8	21.8
4 11	10 32.72	+ 9 5.7	2.156	2.952	13.8	22.0

316347 2010 RE_{151} 3 4.8 1.°11 0.°3/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.22	+ 5 41.3	1.484	2.332	15.5	20.8
2 11	11 22.92	+ 5 52.4	1.412	2.331	11.4	20.6
2 21	11 15.07	+ 6 15.3	1.364	2.331	6.6	20.3
3 2	11 5.53	+ 6 45.1	1.341	2.331	1.4	20.0
3 12	10 55.58	+ 7 15.0	1.345	2.331	3.9	20.1
3 22	10 46.53	+ 7 38.9	1.375	2.332	9.0	20.4
4 1	10 39.50	+ 7 52.0	1.430	2.332	13.5	20.7
4 11	10 35.21	+ 7 51.3	1.505	2.334	17.3	20.9

143506 2003 DO_{17} 3 4.8 316.°70 1.°0/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.70	+ 1 53.7	2.303	3.124	11.7	19.8
2 11	11 19.61	+ 1 57.9	2.219	3.122	8.7	19.6
2 21	11 12.85	+ 2 12.4	2.161	3.120	5.3	19.4
3 2	11 5.02	+ 2 34.7	2.130	3.118	1.8	19.1
3 12	10 56.90	+ 3 0.9	2.130	3.117	2.6	19.2
3 22	10 49.30	+ 3 26.8	2.158	3.115	6.1	19.4
4 1	10 42.95	+ 3 48.6	2.213	3.113	9.5	19.6
4 11	10 38.40	+ 4 3.0	2.292	3.112	12.4	19.8

58369 1995 QZ_2 3 4.8 170.°05 0.°2/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.40	+ 4 50.0	2.741	3.566	9.9	20.1
2 11	11 18.41	+ 5 21.3	2.661	3.569	7.2	19.9
2 21	11 12.05	+ 6 0.5	2.607	3.571	4.1	19.7
3 2	11 4.82	+ 6 44.0	2.583	3.573	0.9	19.5
3 12	10 57.39	+ 7 27.7	2.590	3.575	2.5	19.6
3 22	10 50.42	+ 8 7.6	2.627	3.577	5.7	19.8
4 1	10 44.49	+ 8 40.2	2.692	3.578	8.5	20.0
4 11	10 40.06	+ 9 3.3	2.781	3.578	11.0	20.2

83434 2001 SY_{50} 3 4.8 234.°91 2.°8/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.60	+11 39.0	2.164	3.010	11.4	20.7
2 11	11 21.21	+12 38.0	2.077	2.996	8.2	20.4
2 21	11 13.89	+13 43.4	2.015	2.982	4.9	20.2
3 2	11 5.27	+14 48.8	1.982	2.967	2.8	20.0
3 12	10 56.22	+15 47.5	1.980	2.951	5.0	20.2
3 22	10 47.68	+16 33.8	2.005	2.935	8.5	20.3
4 1	10 40.52	+17 3.9	2.057	2.918	11.9	20.5
4 11	10 35.37	+17 16.4	2.131	2.901	14.8	20.7

357125 2001 XL_{244} 3 4.8 102.°68 0.°7/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.82	+ 1 46.6	1.627	2.455	15.4	21.6
2 11	11 24.38	+ 2 15.1	1.572	2.478	11.3	21.4
2 21	11 15.68	+ 2 58.7	1.539	2.501	6.7	21.1
3 2	11 5.64	+ 3 52.0	1.534	2.523	1.9	20.9
3 12	10 55.47	+ 4 47.7	1.558	2.545	3.3	21.0
3 22	10 46.33	+ 5 38.9	1.610	2.566	7.9	21.3
4 1	10 39.16	+ 6 20.0	1.687	2.586	12.0	21.6
4 11	10 34.53	+ 6 47.3	1.787	2.606	15.4	21.9

165096 2000 GX_{128} 3 4.8 170.°81 2.°6/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.16	− 6 21.8	2.640	3.423	11.4	21.3
2 11	11 17.59	− 5 49.3	2.552	3.426	8.9	21.1
2 21	11 11.62	− 5 1.1	2.489	3.429	6.0	20.9
3 2	11 4.74	− 3 59.4	2.454	3.431	3.3	20.8
3 12	10 57.63	− 2 48.5	2.449	3.432	2.9	20.7
3 22	10 50.95	− 1 33.8	2.475	3.434	5.3	20.9
4 1	10 45.34	− 0 20.7	2.529	3.435	8.2	21.1
4 11	10 41.25	+ 0 45.8	2.609	3.435	10.9	21.2

406143 2006 VK_{118} 3 4.8 48.°89 3.°3/ 2.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.86	+11 22.8	1.334	2.198	15.9	21.1
2 11	11 23.20	+12 12.0	1.296	2.224	11.4	20.9
2 21	11 15.04	+13 7.0	1.282	2.251	6.5	20.7
3 2	11 5.48	+13 58.8	1.293	2.279	3.3	20.6
3 12	10 55.94	+14 38.9	1.330	2.307	6.0	20.8
3 22	10 47.72	+15 1.8	1.393	2.335	10.3	21.1
4 1	10 41.77	+15 5.4	1.479	2.364	14.3	21.4
4 11	10 38.59	+14 50.4	1.584	2.392	17.5	21.7

356350 2010 LX_{61} 3 4.8 284.°34 2.°6/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.48	− 3 23.6	1.467	2.294	16.8	20.9
2 11	11 20.34	− 2 55.3	1.385	2.286	12.9	20.7
2 21	11 13.68	− 2 2.7	1.323	2.278	8.4	20.4
3 2	11 5.26	− 0 49.3	1.286	2.271	3.8	20.1
3 12	10 56.27	+ 0 37.2	1.276	2.263	3.8	20.1
3 22	10 47.99	+ 2 6.7	1.292	2.256	8.5	20.3
4 1	10 41.61	+ 3 29.1	1.333	2.248	13.3	20.6
4 11	10 37.91	+ 4 36.6	1.394	2.241	17.5	20.8

118222 1996 RR_{11} 3 4.8 72.°88 1.°1/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.58	+ 7 4.2	1.757	2.602	13.6	19.7
2 11	11 21.36	+ 7 35.7	1.688	2.606	9.9	19.5
2 21	11 14.00	+ 8 17.0	1.642	2.610	5.6	19.2
3 2	11 5.29	+ 9 2.5	1.624	2.614	1.4	18.9
3 12	10 56.28	+ 9 45.4	1.634	2.618	3.9	19.1
3 22	10 48.05	+10 19.9	1.672	2.622	8.3	19.4
4 1	10 41.53	+10 41.8	1.735	2.626	12.2	19.6
4 11	10 37.32	+10 49.0	1.819	2.630	15.5	19.8

17746 Haigha 3 4.8 52.°75 4.°4/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.83	− 4 6.8	1.312	2.135	18.6	17.2
2 11	11 24.19	− 4 36.1	1.255	2.151	14.5	17.0
2 21	11 15.81	− 4 42.9	1.218	2.167	9.8	16.7
3 2	11 5.71	− 4 28.7	1.205	2.184	5.5	16.5
3 12	10 55.33	− 3 58.4	1.217	2.201	5.0	16.6
3 22	10 46.10	− 3 19.5	1.256	2.218	8.9	16.8
4 1	10 39.19	− 2 40.1	1.318	2.236	13.2	17.1
4 11	10 35.25	− 2 7.4	1.400	2.254	17.0	17.4

492698 2014 PE_{64} 3 4.9 229.°05 0.°6/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.58	+ 5 1.9	1.758	2.595	14.0	22.4
2 11	11 23.01	+ 5 38.3	1.671	2.585	10.3	22.1
2 21	11 15.11	+ 6 27.6	1.608	2.574	6.0	21.9
3 2	11 5.59	+ 7 24.6	1.573	2.563	1.3	21.5
3 12	10 55.54	+ 8 22.1	1.567	2.551	3.8	21.7
3 22	10 46.13	+ 9 12.9	1.588	2.539	8.5	21.9
4 1	10 38.43	+ 9 51.4	1.635	2.526	12.8	22.1
4 11	10 33.19	+10 14.2	1.704	2.513	16.4	22.3

466018 2011 HR_{21} 3 4.9 194.°84 5.°5/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.54	+23 59.3	2.633	3.480	9.6	21.4
2 11	11 20.84	+25 6.8	2.569	3.477	7.4	21.3
2 21	11 13.52	+26 10.2	2.532	3.474	5.8	21.2
3 2	11 5.18	+27 3.2	2.523	3.471	5.6	21.2
3 12	10 56.61	+27 40.5	2.544	3.467	7.1	21.3
3 22	10 48.60	+27 59.3	2.592	3.462	9.3	21.4
4 1	10 41.87	+27 58.9	2.664	3.458	11.5	21.5
4 11	10 36.91	+27 40.5	2.757	3.452	13.4	21.7

239053 2006 EX_{48} 3 4.9 182.°37 1.°6/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.47	+ 7 48.5	2.019	2.856	12.4	21.5
2 11	11 22.57	+ 8 44.2	1.942	2.858	9.0	21.3
2 21	11 14.66	+ 9 49.3	1.891	2.858	5.1	21.1
3 2	11 5.46	+10 57.4	1.869	2.858	1.7	20.9
3 12	10 55.92	+12 1.5	1.877	2.857	4.1	21.0
3 22	10 47.04	+12 55.3	1.914	2.855	8.1	21.3
4 1	10 39.69	+13 34.6	1.978	2.852	11.7	21.5
4 11	10 34.50	+13 57.3	2.063	2.848	14.8	21.7

110795 2001 UN_{37} 3 4.9 247.°26 5.°9/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.67	−13 23.8	2.074	2.828	15.0	20.5
2 11	11 19.97	−13 26.1	1.970	2.814	12.5	20.3
2 21	11 13.28	−13 4.7	1.889	2.800	9.6	20.0
3 2	11 5.18	−12 19.2	1.832	2.785	6.9	19.9
3 12	10 56.55	−11 12.2	1.802	2.769	5.9	19.8
3 22	10 48.35	− 9 49.7	1.801	2.753	7.6	19.8
4 1	10 41.53	− 8 19.6	1.826	2.737	10.6	20.0
4 11	10 36.76	− 6 50.4	1.876	2.720	13.7	20.1

193793 2001 OR_{79} 3 4.9 259.°92 3.°6/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.23	+12 12.6	1.536	2.392	14.6	21.2
2 11	11 24.62	+13 4.1	1.451	2.375	10.7	21.0
2 21	11 16.23	+14 3.5	1.390	2.357	6.4	20.7
3 2	11 5.87	+15 2.5	1.355	2.340	3.6	20.4
3 12	10 54.82	+15 51.8	1.348	2.321	6.4	20.6
3 22	10 44.50	+16 24.0	1.367	2.303	11.0	20.8
4 1	10 36.20	+16 34.8	1.409	2.284	15.5	21.0
4 11	10 30.79	+16 23.9	1.471	2.264	19.3	21.2

222692 2002 AF_8 3 4.9 152.°84 0.°3/ 4.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.08	+ 4 12.4	2.001	2.835	12.6	21.3
2 11	11 20.08	+ 4 52.5	1.927	2.839	9.2	21.1
2 21	11 13.20	+ 5 44.3	1.877	2.842	5.3	20.9
3 2	11 5.13	+ 6 42.7	1.855	2.845	1.1	20.6
3 12	10 56.77	+ 7 41.5	1.863	2.848	3.2	20.7
3 22	10 49.05	+ 8 34.6	1.899	2.851	7.3	21.0
4 1	10 42.80	+ 9 17.0	1.961	2.853	10.9	21.2
4 11	10 38.57	+ 9 45.7	2.046	2.855	14.1	21.4

79992 1999 FS_4 3 4.9 165.°37 1.°9/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 21.97	− 3 34.2	2.555	3.353	11.3	19.2
2 11	11 17.49	− 3 2.6	2.470	3.356	8.6	19.0
2 21	11 11.58	− 2 16.6	2.410	3.358	5.6	18.8
3 2	11 4.76	− 1 19.1	2.378	3.361	2.7	18.6
3 12	10 57.69	− 0 14.4	2.377	3.363	2.5	18.6
3 22	10 51.08	+ 0 52.2	2.405	3.364	5.5	18.8
4 1	10 45.56	+ 1 55.4	2.462	3.366	8.5	19.0
4 11	10 41.59	+ 2 51.0	2.543	3.367	11.2	19.2

79048 4200 $T\text{-}_2$ 3 4.9 191.°59 1.°3/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.50	+ 7 2.5	2.040	2.877	12.3	21.0
2 11	11 21.86	+ 7 53.0	1.960	2.875	8.9	20.8
2 21	11 14.26	+ 8 53.3	1.906	2.873	5.1	20.5
3 2	11 5.38	+ 9 57.7	1.881	2.870	1.5	20.3
3 12	10 56.14	+10 59.3	1.886	2.867	3.9	20.4
3 22	10 47.53	+11 52.0	1.919	2.863	7.8	20.7
4 1	10 40.40	+12 31.3	1.979	2.858	11.5	20.9
4 11	10 35.38	+12 55.0	2.062	2.852	14.6	21.1

465146 2007 CZ_2 3 4.9 40.°27 0.°3/ 4.6 16

2 1	11 23.89	+ 3 15.2	1.365	2.218	16.3	21.4
2 11	11 19.70	+ 4 6.5	1.315	2.236	11.8	21.2
2 21	11 13.12	+ 5 14.4	1.287	2.255	6.8	20.9
3 2	11 5.11	+ 6 31.2	1.284	2.275	1.4	20.6
3 12	10 56.93	+ 7 47.1	1.308	2.295	4.0	20.9
3 22	10 49.79	+ 8 53.2	1.358	2.315	8.9	21.2
4 1	10 44.68	+ 9 42.9	1.431	2.336	13.3	21.5
4 11	10 42.15	+10 13.2	1.525	2.358	16.9	21.8

459673 2013 LQ_{22} 3 4.9 292.°73 3.°4/ 7.6 16

2 1	11 25.01	− 4 25.5	1.572	2.389	16.3	21.7
2 11	11 20.61	− 4 17.9	1.487	2.382	12.7	21.4
2 21	11 13.80	− 3 48.1	1.424	2.374	8.5	21.1
3 2	11 5.31	− 2 58.2	1.386	2.367	4.5	20.9
3 12	10 56.28	− 1 54.1	1.374	2.359	4.1	20.8
3 22	10 47.93	− 0 43.7	1.389	2.352	8.1	21.0
4 1	10 41.36	+ 0 24.3	1.429	2.345	12.5	21.3
4 11	10 37.35	+ 1 22.1	1.490	2.338	16.5	21.5

403881 2011 WF_{85} 3 4.9 97.°77 0.°0/ 4.8 18

2 1	11 27.69	+ 2 56.5	1.597	2.434	15.1	22.1
2 11	11 22.24	+ 3 36.8	1.536	2.449	11.1	21.9
2 21	11 14.54	+ 4 32.1	1.499	2.464	6.4	21.6
3 2	11 5.44	+ 5 36.3	1.488	2.478	1.5	21.3
3 12	10 56.12	+ 6 41.4	1.506	2.492	3.5	21.5
3 22	10 47.72	+ 7 39.8	1.551	2.506	8.2	21.8
4 1	10 41.21	+ 8 25.5	1.621	2.520	12.4	22.1
4 11	10 37.19	+ 8 55.2	1.713	2.533	15.9	22.4

502972 2015 FE_{39} 3 4.9 75.°69 2.°0/ 7.2 17

2 1	11 21.54	− 3 23.8	2.272	3.079	12.3	21.4
2 11	11 17.31	− 2 49.7	2.196	3.086	9.4	21.2
2 21	11 11.53	− 1 59.8	2.144	3.094	6.0	21.0
3 2	11 4.76	− 0 57.4	2.119	3.102	2.8	20.8
3 12	10 57.77	+ 0 12.2	2.124	3.110	2.7	20.8
3 22	10 51.32	+ 1 23.2	2.158	3.118	5.9	21.0
4 1	10 46.09	+ 2 29.5	2.220	3.126	9.1	21.2
4 11	10 42.56	+ 3 26.5	2.305	3.134	12.0	21.4

85649 1998 QZ_1 3 4.9 152.°34 0.°7/ 5.5 18

2 1	11 29.10	+ 0 53.9	1.849	2.670	14.1	20.5
2 11	11 23.10	+ 1 35.7	1.777	2.680	10.5	20.3
2 21	11 15.00	+ 2 33.1	1.730	2.690	6.3	20.0
3 2	11 5.56	+ 3 41.1	1.710	2.699	1.8	19.7
3 12	10 55.84	+ 4 52.5	1.720	2.707	3.1	19.9
3 22	10 46.88	+ 6 0.1	1.759	2.714	7.5	20.1
4 1	10 39.61	+ 6 57.6	1.825	2.720	11.4	20.4
4 11	10 34.63	+ 7 40.9	1.913	2.725	14.8	20.6

337512 2001 SK_{139} 3 4.9 112.°49 1.°1/ 6.2 17

2 1	11 23.00	− 0 7.4	2.457	3.271	11.3	21.2
2 11	11 18.24	+ 0 22.3	2.384	3.282	8.4	21.0
2 21	11 12.01	+ 1 4.0	2.336	3.293	5.2	20.9
3 2	11 4.87	+ 1 54.4	2.317	3.304	1.9	20.6
3 12	10 57.56	+ 2 48.8	2.328	3.315	2.4	20.7
3 22	10 50.77	+ 3 42.3	2.368	3.325	5.7	20.9
4 1	10 45.14	+ 4 30.3	2.436	3.336	8.8	21.1
4 11	10 41.15	+ 5 9.4	2.529	3.346	11.5	21.3

10342 1991 TQ 3 4.9 213.°46 2.°9/ 1.5 18

2 1	11 24.47	+13 41.2	2.482	3.329	10.1	18.5
2 11	11 19.40	+14 31.8	2.405	3.324	7.3	18.3
2 21	11 12.73	+15 25.4	2.354	3.319	4.4	18.2
3 2	11 5.05	+16 16.9	2.333	3.314	2.9	18.0
3 12	10 57.10	+17 0.7	2.341	3.308	4.7	18.1
3 22	10 49.66	+17 32.9	2.378	3.303	7.6	18.3
4 1	10 43.42	+17 50.8	2.442	3.296	10.5	18.5
4 11	10 38.89	+17 53.8	2.528	3.290	12.9	18.7

517121 2013 GN_{139} 3 4.9 263.°73 0.°7/ 5.4 16

2 1	11 26.85	+ 2 7.7	1.597	2.434	15.2	21.4
2 11	11 21.88	+ 2 29.7	1.516	2.428	11.3	21.1
2 21	11 14.51	+ 3 7.5	1.458	2.422	6.8	20.8
3 2	11 5.49	+ 3 56.9	1.426	2.415	1.9	20.5
3 12	10 55.97	+ 4 51.0	1.422	2.409	3.5	20.6
3 22	10 47.18	+ 5 42.3	1.444	2.403	8.4	20.9
4 1	10 40.21	+ 6 24.2	1.492	2.397	12.9	21.1
4 11	10 35.80	+ 6 52.1	1.560	2.390	16.7	21.4

69880 1998 SQ_{81} 3 4.9 100.°98 0.°0/ 4.7 18

2 1	11 24.05	+ 3 33.1	2.057	2.889	12.4	19.0
2 11	11 19.27	+ 4 10.5	1.985	2.895	9.1	18.8
2 21	11 12.73	+ 4 59.4	1.937	2.901	5.3	18.6
3 2	11 5.06	+ 5 55.4	1.918	2.907	1.2	18.3
3 12	10 57.14	+ 6 52.4	1.927	2.913	3.0	18.5
3 22	10 49.85	+ 7 44.5	1.966	2.919	6.9	18.7
4 1	10 43.96	+ 8 26.9	2.030	2.925	10.5	18.9
4 11	10 40.01	+ 8 56.6	2.118	2.931	13.5	19.1

274552 2008 SC_{257} 3 4.9 149.°81 6.°4/25.8 18

2 1	11 26.98	+25 57.1	2.425	3.273	10.2	20.6
2 11	11 21.26	+27 18.0	2.375	3.280	8.1	20.4
2 21	11 13.81	+28 32.6	2.352	3.288	6.6	20.3
3 2	11 5.30	+29 33.8	2.357	3.295	6.6	20.4
3 12	10 56.61	+30 15.9	2.391	3.301	8.1	20.5
3 22	10 48.59	+30 36.2	2.450	3.307	10.3	20.6
4 1	10 42.01	+30 34.7	2.533	3.313	12.4	20.8
4 11	10 37.36	+30 13.3	2.635	3.318	14.3	20.9

277688 2006 BB_{277} 3 4.9 8.°62 0.°0/ 4.7 17

2 1	11 25.69	+ 4 20.6	1.822	2.660	13.5	21.6
2 11	11 20.71	+ 4 40.5	1.746	2.660	9.9	21.4
2 21	11 13.67	+ 5 12.0	1.695	2.660	5.8	21.1
3 2	11 5.29	+ 5 50.6	1.671	2.661	1.3	20.8
3 12	10 56.58	+ 6 30.6	1.675	2.662	3.2	21.0
3 22	10 48.57	+ 7 6.2	1.707	2.662	7.6	21.2
4 1	10 42.17	+ 7 32.6	1.765	2.663	11.6	21.5
4 11	10 37.99	+ 7 46.7	1.844	2.665	14.9	21.7

70226 1999 RN_{50} 3 4.9 213.°79 0.°6/ 5.4 17

2 1	11 30.30	+ 3 1.3	2.107	2.926	12.7	19.9
2 11	11 23.94	+ 3 13.4	2.015	2.917	9.4	19.7
2 21	11 15.53	+ 3 36.4	1.948	2.908	5.7	19.4
3 2	11 5.73	+ 4 7.2	1.909	2.898	1.6	19.1
3 12	10 55.49	+ 4 41.0	1.901	2.888	2.9	19.2
3 22	10 45.79	+ 5 13.0	1.923	2.876	7.1	19.4
4 1	10 37.56	+ 5 38.5	1.972	2.864	10.9	19.6
4 11	10 31.46	+ 5 54.5	2.044	2.851	14.1	19.8

176648 2002 NC_{40} 3 4.9 201.°24 2.°4/ 7.1 16

2 1	11 28.76	− 2 31.3	2.153	2.953	13.1	20.7
2 11	11 22.76	− 2 29.3	2.062	2.949	10.1	20.5
2 21	11 14.82	− 2 12.7	1.995	2.944	6.6	20.2
3 2	11 5.57	− 1 43.4	1.957	2.939	3.2	20.0
3 12	10 55.91	− 1 5.3	1.948	2.932	3.2	20.0
3 22	10 46.78	− 0 23.5	1.968	2.925	6.6	20.2
4 1	10 39.06	+ 0 16.8	2.016	2.918	10.2	20.4
4 11	10 33.39	+ 0 50.8	2.088	2.910	13.4	20.6

147629 2004 HE_{48} 3 4.9 223.°11 4.°2/ 8.9 18

2 1	11 27.92	− 8 14.5	2.395	3.163	12.9	20.7
2 11	11 22.08	− 8 28.1	2.292	3.152	10.3	20.5
2 21	11 14.42	− 8 25.4	2.213	3.140	7.5	20.2
3 2	11 5.49	− 8 6.6	2.161	3.127	4.9	20.1
3 12	10 56.10	− 7 34.1	2.139	3.113	4.3	20.0
3 22	10 47.11	− 6 51.9	2.146	3.099	6.5	20.1
4 1	10 39.34	− 6 5.4	2.182	3.084	9.5	20.3
4 11	10 33.43	− 5 20.0	2.242	3.068	12.4	20.4

401102 2011 UQ_{202} 3 4.9 175.°11 4.°3/29.9 18

2 1	11 29.64	+15 5.3	1.844	2.696	12.7	21.4
2 11	11 23.60	+16 13.3	1.778	2.699	9.3	21.2
2 21	11 15.36	+17 24.5	1.737	2.701	5.9	21.0
3 2	11 5.70	+18 30.5	1.724	2.702	4.3	20.9
3 12	10 55.72	+19 23.4	1.741	2.703	6.5	21.1
3 22	10 46.55	+19 57.8	1.784	2.703	10.1	21.3
4 1	10 39.14	+20 11.4	1.852	2.703	13.5	21.5
4 11	10 34.14	+20 4.6	1.940	2.702	16.4	21.7

76574 2000 GM_{114} 3 4.9 70.°66 3.°6/ 1.8 18

2 1	11 29.76	+16 13.0	2.041	2.889	11.8	18.6
2 11	11 23.39	+16 36.5	1.978	2.897	8.6	18.4
2 21	11 15.09	+16 59.7	1.941	2.904	5.4	18.2
3 2	11 5.61	+17 17.2	1.932	2.911	3.6	18.1
3 12	10 55.97	+17 24.0	1.952	2.919	5.5	18.2
3 22	10 47.15	+17 17.1	2.000	2.927	8.7	18.4
4 1	10 39.98	+16 55.8	2.074	2.934	11.8	18.6
4 11	10 34.99	+16 20.8	2.170	2.942	14.5	18.8

56973 2000 SA_{142} 3 4.9 205.°95 3.°0/ 8.6 18

2 1	11 21.66	− 6 57.4	2.568	3.350	11.7	19.6
2 11	11 17.34	− 6 39.4	2.477	3.349	9.2	19.4
2 21	11 11.56	− 6 5.4	2.410	3.347	6.4	19.2
3 2	11 4.83	− 5 17.2	2.371	3.344	3.8	19.1
3 12	10 57.84	− 4 18.5	2.361	3.342	3.2	19.0
3 22	10 51.27	− 3 14.3	2.381	3.340	5.5	19.1
4 1	10 45.76	− 2 9.9	2.428	3.337	8.4	19.3
4 11	10 41.82	− 1 10.4	2.501	3.334	11.1	19.5

27759 1991 RE_6 3 4.9 220.°05 3.°6/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.31	+16 26.0	2.375	3.224	10.4	18.1
2 11	11 20.80	+17 9.3	2.301	3.220	7.6	17.9
2 21	11 13.59	+17 53.4	2.253	3.215	4.9	17.7
3 2	11 5.30	+18 32.6	2.234	3.210	3.6	17.6
3 12	10 56.75	+19 1.8	2.244	3.205	5.4	17.7
3 22	10 48.77	+19 17.4	2.283	3.200	8.2	17.9
4 1	10 42.11	+19 17.6	2.347	3.195	11.1	18.1
4 11	10 37.30	+19 2.5	2.433	3.189	13.6	18.2

290303 2005 SA_{181} 3 4.9 244.°71 3.°4/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.54	+17 30.3	2.652	3.495	9.6	20.7
2 11	11 21.56	+17 57.7	2.570	3.485	7.1	20.5
2 21	11 13.98	+18 24.5	2.515	3.476	4.6	20.3
3 2	11 5.40	+18 46.0	2.490	3.466	3.4	20.2
3 12	10 56.55	+18 58.0	2.495	3.456	5.0	20.3
3 22	10 48.23	+18 57.8	2.529	3.445	7.6	20.4
4 1	10 41.12	+18 44.3	2.590	3.435	10.3	20.6
4 11	10 35.73	+18 17.6	2.674	3.424	12.6	20.8

102354 1999 TD_{130} 3 4.9 181.°75 0.°0/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.83	+ 3 30.8	1.864	2.695	13.6	20.8
2 11	11 22.27	+ 4 2.3	1.786	2.696	10.0	20.6
2 21	11 14.60	+ 4 46.7	1.733	2.696	5.9	20.3
3 2	11 5.56	+ 5 39.2	1.706	2.696	1.4	20.0
3 12	10 56.15	+ 6 33.3	1.710	2.696	3.2	20.1
3 22	10 47.43	+ 7 22.8	1.741	2.695	7.6	20.4
4 1	10 40.32	+ 8 2.2	1.799	2.693	11.6	20.6
4 11	10 35.48	+ 8 28.1	1.879	2.691	15.0	20.9

94517 2001 UH_{109} 3 4.9 75.°36 3.°3/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.41	− 4 30.1	1.393	2.214	17.8	19.3
2 11	11 22.33	− 4 12.2	1.334	2.231	13.7	19.1
2 21	11 14.74	− 3 30.1	1.296	2.248	9.0	18.8
3 2	11 5.58	− 2 27.7	1.283	2.265	4.5	18.6
3 12	10 56.17	− 1 12.8	1.296	2.282	4.1	18.6
3 22	10 47.79	+ 0 4.9	1.336	2.299	8.3	18.9
4 1	10 41.53	+ 1 16.1	1.400	2.316	12.7	19.2
4 11	10 38.00	+ 2 13.8	1.485	2.333	16.5	19.5

297292 1998 FW_{105} 3 4.9 339.°52 0.°9/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.43	+ 8 19.6	1.747	2.596	13.5	19.9
2 11	11 21.45	+ 8 17.8	1.664	2.583	9.9	19.6
2 21	11 14.22	+ 8 23.0	1.604	2.572	5.7	19.3
3 2	11 5.49	+ 8 30.9	1.571	2.561	1.4	19.0
3 12	10 56.31	+ 8 36.8	1.566	2.551	3.8	19.2
3 22	10 47.80	+ 8 36.4	1.588	2.541	8.3	19.4
4 1	10 40.97	+ 8 26.6	1.635	2.533	12.4	19.6
4 11	10 36.52	+ 8 5.7	1.703	2.525	15.9	19.8

384886 2012 TN_3 3 4.9 66.°94 3.°8/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.81	− 8 5.8	2.076	2.863	14.0	21.1
2 11	11 18.41	− 7 53.7	2.000	2.872	11.0	20.9
2 21	11 12.26	− 7 21.7	1.947	2.882	7.8	20.7
3 2	11 5.01	− 6 31.9	1.920	2.891	4.8	20.5
3 12	10 57.51	− 5 28.8	1.921	2.901	4.0	20.5
3 22	10 50.61	− 4 18.7	1.951	2.911	6.4	20.7
4 1	10 45.08	− 3 8.4	2.007	2.920	9.6	20.9
4 11	10 41.45	− 2 4.1	2.088	2.930	12.6	21.1

291165 2006 AC_{15} 3 4.9 272.°81 13.°3/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 34.92	−16 52.5	1.219	1.983	23.1	20.5
2 11	11 28.97	−19 2.2	1.141	1.976	20.1	20.3
2 21	11 19.32	−20 44.2	1.079	1.970	16.9	20.0
3 2	11 6.77	−21 48.6	1.038	1.964	14.3	19.9
3 12	10 52.97	−22 10.1	1.019	1.957	13.3	19.8
3 22	10 39.92	−21 50.6	1.022	1.951	14.7	19.8
4 1	10 29.52	−20 59.9	1.046	1.945	17.6	20.0
4 11	10 23.01	−19 52.6	1.088	1.938	21.0	20.2

327859 2006 YA_4 3 4.9 48.°86 8.°9/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.41	+26 0.7	1.538	2.402	14.1	20.4
2 11	11 23.05	+27 34.6	1.497	2.412	11.2	20.3
2 21	11 15.13	+28 59.2	1.480	2.422	9.2	20.2
3 2	11 5.67	+30 3.1	1.489	2.432	9.2	20.2
3 12	10 56.04	+30 38.1	1.522	2.443	11.2	20.3
3 22	10 47.57	+30 41.4	1.579	2.453	13.9	20.5
4 1	10 41.30	+30 14.6	1.656	2.464	16.7	20.7
4 11	10 37.81	+29 22.6	1.750	2.476	19.1	21.0

105511 2000 RF_{13} 3 4.9 52.°87 5.°8/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.56	−12 6.7	2.299	3.051	13.8	19.1
2 11	11 21.09	−12 49.4	2.213	3.054	11.4	19.0
2 21	11 13.84	−13 14.1	2.151	3.057	8.8	18.8
3 2	11 5.40	−13 19.9	2.114	3.061	6.6	18.7
3 12	10 56.60	−13 8.2	2.105	3.064	5.9	18.6
3 22	10 48.31	−12 42.3	2.124	3.068	7.2	18.7
4 1	10 41.32	−12 7.4	2.170	3.071	9.6	18.8
4 11	10 36.24	−11 29.3	2.240	3.075	12.1	19.0

326443 2001 VT_{21} 3 4.9 100.°80 5.°2/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.85	−12 40.7	2.050	2.808	15.1	21.1
2 11	11 20.57	−12 32.2	1.981	2.829	12.2	21.0
2 21	11 13.49	−12 0.5	1.935	2.850	9.1	20.8
3 2	11 5.29	−11 7.0	1.914	2.870	6.3	20.7
3 12	10 56.91	− 9 56.0	1.921	2.890	5.3	20.7
3 22	10 49.24	− 8 34.4	1.956	2.910	6.9	20.8
4 1	10 43.06	− 7 9.9	2.019	2.929	9.7	21.0
4 11	10 38.90	− 5 49.9	2.106	2.947	12.5	21.2

51765 2001 LT_{10} 3 4.9 144.°28 7.°1/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.45	−17 10.7	2.100	2.827	15.7	19.2
2 11	11 21.15	−17 29.8	2.018	2.836	13.2	19.1
2 21	11 13.92	−17 24.3	1.956	2.844	10.6	18.9
3 2	11 5.42	−16 53.1	1.918	2.851	8.2	18.8
3 12	10 56.56	−15 58.6	1.908	2.858	7.1	18.7
3 22	10 48.32	−14 46.3	1.924	2.864	8.1	18.8
4 1	10 41.55	−13 23.7	1.968	2.870	10.3	18.9
4 11	10 36.86	−11 59.3	2.035	2.876	12.9	19.1

94492 2001 UV_{36} 3 4.9 331.°40 4.°0/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.85	+11 2.8	1.347	2.215	15.5	18.9
2 11	11 21.50	+12 23.4	1.282	2.213	11.2	18.7
2 21	11 14.44	+13 54.9	1.240	2.210	6.6	18.4
3 2	11 5.56	+15 26.5	1.224	2.208	4.0	18.2
3 12	10 56.22	+16 46.2	1.233	2.206	7.0	18.4
3 22	10 47.82	+17 44.9	1.268	2.205	11.7	18.6
4 1	10 41.57	+18 17.8	1.324	2.203	16.0	18.9
4 11	10 38.21	+18 24.3	1.399	2.202	19.7	19.1

101664 1999 CS_{88} 3 4.9 41.°33 5.°8/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.00	+21 3.1	1.963	2.822	11.8	19.4
2 11	11 20.84	+22 8.8	1.908	2.827	8.9	19.3
2 21	11 13.70	+23 11.4	1.878	2.832	6.4	19.1
3 2	11 5.35	+24 3.1	1.875	2.837	5.9	19.1
3 12	10 56.80	+24 37.4	1.900	2.843	7.7	19.2
3 22	10 49.04	+24 50.7	1.951	2.848	10.5	19.4
4 1	10 42.91	+24 42.3	2.025	2.854	13.3	19.6
4 11	10 38.97	+24 14.1	2.119	2.860	15.7	19.8

473998 2016 FM_{23} 3 4.9 290.°40 0.°5/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.75	+ 1 28.6	1.751	2.586	14.1	21.5
2 11	11 19.63	+ 2 9.4	1.653	2.564	10.6	21.2
2 21	11 13.27	+ 3 7.9	1.579	2.542	6.4	20.9
3 2	11 5.32	+ 4 19.7	1.531	2.520	1.7	20.5
3 12	10 56.74	+ 5 37.6	1.510	2.498	3.3	20.6
3 22	10 48.64	+ 6 53.3	1.518	2.475	8.2	20.8
4 1	10 42.08	+ 7 58.9	1.551	2.453	12.6	21.0
4 11	10 37.84	+ 8 49.0	1.605	2.431	16.5	21.2

73761 1994 GP_5 3 4.9 282.°95 2.°2/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.42	− 2 28.5	1.585	2.410	15.8	19.7
2 11	11 20.18	− 1 59.4	1.500	2.402	12.1	19.4
2 21	11 13.60	− 1 8.5	1.438	2.394	7.8	19.1
3 2	11 5.38	+ 0 0.6	1.401	2.386	3.3	18.8
3 12	10 56.63	+ 1 20.6	1.391	2.378	3.5	18.8
3 22	10 48.55	+ 2 42.4	1.408	2.370	8.1	19.1
4 1	10 42.21	+ 3 57.2	1.450	2.363	12.6	19.3
4 11	10 38.39	+ 4 57.9	1.514	2.355	16.6	19.5

121913 2000 DN_{68} 3 4.9 298.°82 0.°1/ 5.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.70	+ 4 1.2	1.317	2.168	16.9	19.6
2 11	11 23.10	+ 4 16.0	1.233	2.153	12.6	19.3
2 21	11 15.55	+ 4 47.2	1.171	2.138	7.5	18.9
3 2	11 5.86	+ 5 29.9	1.133	2.122	1.8	18.5
3 12	10 55.41	+ 6 16.3	1.120	2.108	4.2	18.6
3 22	10 45.71	+ 6 57.9	1.133	2.093	10.0	18.9
4 1	10 38.19	+ 7 27.6	1.169	2.079	15.2	19.2
4 11	10 33.77	+ 7 40.7	1.224	2.065	19.7	19.4

466420 2013 TF_{10} 3 4.9 161.°41 0.°8/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.23	+ 5 17.1	2.117	2.953	12.0	21.6
2 11	11 19.43	+ 6 12.0	2.042	2.956	8.7	21.4
2 21	11 12.87	+ 7 17.7	1.993	2.959	4.9	21.2
3 2	11 5.18	+ 8 28.9	1.972	2.962	1.2	20.9
3 12	10 57.22	+ 9 38.7	1.981	2.964	3.4	21.1
3 22	10 49.84	+10 41.0	2.019	2.966	7.2	21.3
4 1	10 43.83	+11 30.9	2.083	2.968	10.7	21.5
4 11	10 39.72	+12 5.7	2.170	2.970	13.7	21.7

421321 2013 TA_{63} 3 4.9 246.°12 0.°8/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.83	+ 1 23.0	2.105	2.926	12.6	21.7
2 11	11 20.75	+ 1 47.8	2.009	2.912	9.4	21.5
2 21	11 13.74	+ 2 26.0	1.938	2.898	5.7	21.2
3 2	11 5.40	+ 3 14.3	1.895	2.884	1.8	20.9
3 12	10 56.61	+ 4 7.3	1.881	2.869	2.8	21.0
3 22	10 48.29	+ 4 59.3	1.897	2.853	6.9	21.2
4 1	10 41.31	+ 5 44.8	1.939	2.837	10.7	21.4
4 11	10 36.34	+ 6 19.6	2.004	2.821	14.0	21.6

214229 2005 EG_{151} 3 4.9 356.°21 2.°8/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.09	+ 9 43.0	1.251	2.121	16.3	19.9
2 11	11 21.06	+10 27.5	1.187	2.118	11.8	19.6
2 21	11 14.23	+11 22.9	1.144	2.115	6.8	19.3
3 2	11 5.53	+12 20.5	1.125	2.113	2.9	19.1
3 12	10 56.37	+13 10.3	1.132	2.113	6.0	19.3
3 22	10 48.22	+13 44.0	1.163	2.113	11.0	19.5
4 1	10 42.31	+13 57.2	1.216	2.113	15.7	19.8
4 11	10 39.40	+13 48.5	1.287	2.115	19.7	20.1

385932 2006 UX_{72} 3 4.9 87.°61 0.°5/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.30	+ 6 42.5	2.339	3.173	11.1	21.2
2 11	11 20.03	+ 6 59.0	2.264	3.176	8.0	21.0
2 21	11 13.14	+ 7 22.5	2.214	3.179	4.6	20.8
3 2	11 5.24	+ 7 49.4	2.193	3.183	1.0	20.6
3 12	10 57.11	+ 8 15.4	2.201	3.186	2.9	20.7
3 22	10 49.54	+ 8 36.5	2.239	3.189	6.5	21.0
4 1	10 43.25	+ 8 49.7	2.304	3.192	9.7	21.2
4 11	10 38.73	+ 8 53.0	2.392	3.195	12.4	21.4

193774 2001 OK_5 3 4.9 174.°97 3.°8/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.95	− 6 49.7	1.779	2.573	15.7	20.6
2 11	11 22.50	− 6 35.6	1.697	2.576	12.3	20.3
2 21	11 14.82	− 5 59.2	1.637	2.578	8.5	20.1
3 2	11 5.65	− 5 2.5	1.603	2.579	4.9	19.9
3 12	10 56.07	− 3 51.1	1.598	2.580	4.2	19.9
3 22	10 47.17	− 2 32.5	1.620	2.580	7.5	20.0
4 1	10 39.97	− 1 15.4	1.670	2.580	11.4	20.3
4 11	10 35.13	− 0 6.9	1.742	2.579	14.9	20.5

66905 1999 VC_{160} 3 4.9 218.°65 4.°0/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.69	−10 8.2	2.437	3.201	12.8	20.1
2 11	11 18.96	− 9 53.3	2.337	3.194	10.3	19.9
2 21	11 12.60	− 9 19.3	2.261	3.185	7.5	19.7
3 2	11 5.14	− 8 27.2	2.212	3.176	4.9	19.6
3 12	10 57.32	− 7 20.7	2.192	3.167	4.1	19.5
3 22	10 49.91	− 6 5.0	2.201	3.157	6.1	19.6
4 1	10 43.65	− 4 46.5	2.239	3.147	9.0	19.7
4 11	10 39.10	− 3 31.7	2.301	3.136	11.8	19.9

334345 2001 XC_{264} 3 4.9 69.°74 5.°4/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.24	− 7 58.1	1.384	2.190	18.7	21.1
2 11	11 23.04	− 8 12.9	1.323	2.205	14.9	20.9
2 21	11 15.23	− 8 1.2	1.281	2.219	10.6	20.6
3 2	11 5.74	− 7 24.2	1.262	2.234	6.6	20.5
3 12	10 55.93	− 6 27.5	1.269	2.249	5.6	20.4
3 22	10 47.14	− 5 19.7	1.302	2.264	8.7	20.6
4 1	10 40.51	− 4 10.7	1.360	2.279	12.8	20.9
4 11	10 36.71	− 3 9.2	1.438	2.294	16.5	21.2

300208 2006 WF_{139} 3 4.9 172.°41 2.°2/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.11	+12 32.8	2.996	3.837	8.7	21.8
2 11	11 18.17	+13 20.4	2.922	3.839	6.2	21.6
2 21	11 11.97	+14 10.8	2.876	3.842	3.7	21.5
3 2	11 4.97	+15 0.0	2.861	3.844	2.2	21.4
3 12	10 57.79	+15 43.5	2.876	3.845	3.7	21.5
3 22	10 51.04	+16 18.0	2.920	3.846	6.3	21.6
4 1	10 45.26	+16 41.2	2.992	3.847	8.7	21.8
4 11	10 40.88	+16 52.2	3.088	3.848	10.9	22.0

152242 2005 SX_{70} 3 4.9 82.°42 2.°6/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.02	+10 14.0	1.734	2.587	13.3	20.4
2 11	11 21.01	+11 11.1	1.671	2.595	9.6	20.2
2 21	11 13.89	+12 15.7	1.633	2.602	5.5	20.0
3 2	11 5.43	+13 20.5	1.622	2.609	2.6	19.8
3 12	10 56.71	+14 17.6	1.640	2.616	5.1	20.0
3 22	10 48.80	+15 0.7	1.684	2.623	9.1	20.2
4 1	10 42.61	+15 26.2	1.753	2.630	12.8	20.5
4 11	10 38.75	+15 33.1	1.843	2.637	15.9	20.7

458197 2010 QK_4 3 4.9 210.°23 3.°4/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.03	− 7 6.7	2.275	3.054	13.1	22.4
2 11	11 21.50	− 6 51.9	2.176	3.046	10.4	22.2
2 21	11 14.13	− 6 18.7	2.101	3.037	7.2	22.0
3 2	11 5.50	− 5 28.7	2.054	3.027	4.3	21.7
3 12	10 56.44	− 4 25.9	2.036	3.017	3.7	21.7
3 22	10 47.84	− 3 16.1	2.048	3.005	6.4	21.8
4 1	10 40.52	− 2 5.6	2.088	2.993	9.7	22.0
4 11	10 35.10	− 1 0.8	2.153	2.979	12.8	22.2

83557 2001 SP_{184} 3 4.9 30.°24 0.°1/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.41	+ 5 47.2	1.624	2.467	14.6	18.4
2 11	11 22.71	+ 5 36.2	1.568	2.484	10.7	18.2
2 21	11 14.82	+ 5 34.7	1.535	2.501	6.2	18.0
3 2	11 5.63	+ 5 38.9	1.529	2.518	1.5	17.7
3 12	10 56.28	+ 5 44.1	1.550	2.537	3.3	17.9
3 22	10 47.91	+ 5 46.1	1.599	2.556	7.8	18.2
4 1	10 41.44	+ 5 41.7	1.673	2.576	11.8	18.5
4 11	10 37.41	+ 5 28.5	1.768	2.597	15.1	18.7

83250 2001 RF_{62} 3 4.9 52.°47 1.°9/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.70	+ 8 31.5	2.000	2.849	12.0	19.5
2 11	11 18.34	+ 9 31.9	1.940	2.861	8.6	19.3
2 21	11 12.23	+10 40.3	1.904	2.873	4.9	19.1
3 2	11 5.04	+11 50.2	1.897	2.885	1.9	18.9
3 12	10 57.66	+12 54.8	1.919	2.897	4.2	19.1
3 22	10 50.96	+13 48.1	1.968	2.910	7.8	19.3
4 1	10 45.68	+14 26.2	2.044	2.922	11.2	19.6
4 11	10 42.34	+14 47.6	2.141	2.935	14.0	19.8

455518 2003 WH_{178} 3 4.9 121.°35 1.°3/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.11	+ 6 59.2	1.840	2.678	13.4	22.4
2 11	11 23.07	+ 7 43.9	1.779	2.694	9.7	22.2
2 21	11 15.00	+ 8 38.0	1.743	2.710	5.5	22.0
3 2	11 5.67	+ 9 35.4	1.735	2.725	1.5	21.8
3 12	10 56.16	+10 29.0	1.757	2.739	3.9	22.0
3 22	10 47.50	+11 12.9	1.807	2.753	8.0	22.2
4 1	10 40.56	+11 43.1	1.883	2.766	11.8	22.5
4 11	10 35.90	+11 57.9	1.980	2.778	14.8	22.7

523676 2013 UL_{10} 3 4.9 66.°27 1.°9/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 11.71	−15 5.0	9.022	9.723	4.2	22.9
2 11	11 9.36	−15 0.5	8.942	9.744	3.5	22.8
2 21	11 6.66	−14 50.3	8.887	9.765	2.8	22.8
3 2	11 3.76	−14 34.9	8.859	9.785	2.2	22.7
3 12	11 0.82	−14 15.0	8.861	9.806	1.9	22.7
3 22	10 57.99	−13 51.5	8.892	9.827	2.1	22.8
4 1	10 55.43	−13 25.7	8.953	9.848	2.7	22.8
4 11	10 53.27	−12 58.8	9.040	9.869	3.4	22.9

301999 2000 QC_{157} 3 4.9 132.°89 3.°7/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.17	− 6 1.7	1.748	2.546	15.7	20.5
2 11	11 22.60	− 5 53.0	1.675	2.557	12.3	20.3
2 21	11 14.83	− 5 23.2	1.624	2.567	8.4	20.1
3 2	11 5.66	− 4 34.4	1.600	2.577	4.7	19.9
3 12	10 56.17	− 3 32.2	1.603	2.586	4.1	19.9
3 22	10 47.45	− 2 23.9	1.634	2.595	7.4	20.1
4 1	10 40.48	− 1 17.4	1.692	2.603	11.2	20.3
4 11	10 35.89	− 0 19.3	1.773	2.610	14.7	20.5

354043 2001 SA_{29} 3 4.9 127.°95 1.°7/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 31.59	+ 8 22.8	1.683	2.526	14.2	21.9
2 11	11 25.05	+ 9 2.3	1.623	2.540	10.3	21.7
2 21	11 16.21	+ 9 50.3	1.587	2.554	5.9	21.5
3 2	11 5.96	+10 40.3	1.578	2.567	1.9	21.3
3 12	10 55.50	+11 25.0	1.599	2.580	4.4	21.5
3 22	10 46.01	+11 58.4	1.647	2.592	8.8	21.7
4 1	10 38.47	+12 17.1	1.721	2.603	12.7	22.0
4 11	10 33.47	+12 19.7	1.816	2.614	16.0	22.2

94451 2001 TD_{105} 3 4.9 137.°51 2.°5/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.33	− 3 42.2	1.638	2.452	15.9	20.5
2 11	11 22.11	− 3 13.4	1.566	2.460	12.2	20.3
2 21	11 14.61	− 2 23.2	1.516	2.468	7.9	20.0
3 2	11 5.62	− 1 15.3	1.492	2.476	3.6	19.8
3 12	10 56.29	+ 0 3.0	1.496	2.483	3.5	19.8
3 22	10 47.76	+ 1 23.2	1.528	2.489	7.7	20.1
4 1	10 41.04	+ 2 36.7	1.586	2.495	11.9	20.3
4 11	10 36.80	+ 3 37.3	1.666	2.501	15.6	20.6

361580 2007 RW_{184} 3 4.9 150.°53 2.°2/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.81	− 2 59.2	1.788	2.600	14.9	21.3
2 11	11 21.59	− 2 27.7	1.712	2.606	11.3	21.0
2 21	11 14.26	− 1 36.6	1.660	2.613	7.3	20.8
3 2	11 5.55	− 0 30.0	1.634	2.618	3.2	20.6
3 12	10 56.50	+ 0 45.5	1.637	2.624	3.2	20.6
3 22	10 48.18	+ 2 2.1	1.668	2.629	7.3	20.8
4 1	10 41.51	+ 3 12.2	1.726	2.633	11.3	21.1
4 11	10 37.13	+ 4 10.0	1.807	2.637	14.8	21.3

405179 2002 WT_1 3 4.9 82.°75 1.°4/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.31	− 0 28.3	1.738	2.558	14.9	21.9
2 11	11 22.49	+ 0 0.1	1.684	2.585	11.1	21.7
2 21	11 14.64	+ 0 44.7	1.654	2.612	6.8	21.5
3 2	11 5.60	+ 1 40.8	1.651	2.638	2.4	21.3
3 12	10 56.47	+ 2 41.5	1.677	2.664	3.0	21.4
3 22	10 48.26	+ 3 39.9	1.731	2.690	7.2	21.7
4 1	10 41.84	+ 4 29.9	1.811	2.715	11.0	21.9
4 11	10 37.71	+ 5 7.6	1.914	2.739	14.3	22.2

381678 2009 BD_{91} 3 4.9 99.°66 0.°8/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.70	+ 5 55.6	2.295	3.130	11.2	21.4
2 11	11 18.87	+ 6 39.0	2.228	3.142	8.1	21.2
2 21	11 12.48	+ 7 31.0	2.187	3.154	4.6	21.0
3 2	11 5.12	+ 8 26.9	2.175	3.165	1.1	20.8
3 12	10 57.58	+ 9 21.1	2.193	3.177	3.1	20.9
3 22	10 50.63	+10 8.6	2.240	3.188	6.6	21.2
4 1	10 44.95	+10 45.6	2.314	3.199	9.8	21.4
4 11	10 41.01	+11 9.8	2.410	3.210	12.5	21.6

112165 2002 JO_{80} 3 4.9 30.°80 2.°1/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.67	+ 8 39.7	1.337	2.198	16.1	19.5
2 11	11 22.74	+ 9 17.4	1.276	2.202	11.6	19.3
2 21	11 15.12	+10 5.7	1.237	2.207	6.7	19.0
3 2	11 5.76	+10 57.0	1.223	2.212	2.3	18.7
3 12	10 56.05	+11 42.2	1.236	2.218	5.2	18.9
3 22	10 47.39	+12 14.0	1.273	2.224	10.2	19.2
4 1	10 40.93	+12 28.2	1.334	2.230	14.7	19.5
4 11	10 37.38	+12 23.3	1.414	2.237	18.5	19.8

241893 2001 WF_{12} 3 4.9 164.°61 2.°1/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.44	+11 33.6	2.692	3.534	9.5	21.1
2 11	11 18.54	+12 24.3	2.620	3.538	6.8	20.9
2 21	11 12.24	+13 19.0	2.574	3.541	4.0	20.8
3 2	11 5.07	+14 12.9	2.559	3.544	2.1	20.6
3 12	10 57.69	+15 1.3	2.574	3.546	3.9	20.8
3 22	10 50.80	+15 40.1	2.619	3.549	6.7	20.9
4 1	10 44.99	+16 6.6	2.690	3.551	9.4	21.1
4 11	10 40.72	+16 19.8	2.784	3.552	11.7	21.3

62840 2000 UB_{61} 3 4.9 54.°59 2.°3/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.42	− 1 59.3	1.782	2.601	14.6	19.5
2 11	11 20.57	− 1 51.1	1.709	2.606	11.1	19.2
2 21	11 13.66	− 1 25.7	1.658	2.612	7.2	19.0
3 2	11 5.42	− 0 46.3	1.634	2.618	3.3	18.8
3 12	10 56.86	+ 0 2.0	1.638	2.624	3.3	18.8
3 22	10 49.01	+ 0 52.6	1.669	2.630	7.2	19.0
4 1	10 42.79	+ 1 39.2	1.726	2.637	11.1	19.3
4 11	10 38.80	+ 2 16.6	1.806	2.643	14.5	19.5

164172 2004 BY_5 3 4.9 116.°24 2.°5/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.52	+10 57.9	2.302	3.149	10.7	20.2
2 11	11 18.78	+12 5.1	2.239	3.159	7.7	20.0
2 21	11 12.44	+13 17.6	2.202	3.169	4.5	19.8
3 2	11 5.13	+14 29.4	2.194	3.179	2.5	19.7
3 12	10 57.62	+15 34.1	2.216	3.188	4.5	19.8
3 22	10 50.70	+16 26.7	2.267	3.197	7.6	20.0
4 1	10 45.05	+17 3.9	2.344	3.206	10.6	20.2
4 11	10 41.16	+17 24.7	2.443	3.215	13.1	20.4

52697 1998 FJ_{51} 3 4.9 40.°79 2.°3/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.60	+11 19.2	1.976	2.826	12.1	19.0
2 11	11 20.47	+11 50.8	1.914	2.836	8.7	18.8
2 21	11 13.48	+12 26.9	1.877	2.845	5.0	18.6
3 2	11 5.37	+13 2.1	1.868	2.855	2.3	18.4
3 12	10 57.07	+13 30.8	1.888	2.865	4.4	18.6
3 22	10 49.51	+13 48.8	1.935	2.876	8.0	18.8
4 1	10 43.49	+13 53.5	2.008	2.886	11.4	19.0
4 11	10 39.52	+13 44.2	2.103	2.897	14.2	19.2

100361 1995 UC_{14} 3 4.9 189.°36 0.°1/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.53	+ 3 7.1	2.102	2.926	12.5	20.7
2 11	11 21.90	+ 3 43.3	2.019	2.925	9.2	20.5
2 21	11 14.38	+ 4 31.8	1.961	2.923	5.4	20.2
3 2	11 5.60	+ 5 28.0	1.931	2.921	1.3	19.9
3 12	10 56.47	+ 6 26.1	1.932	2.918	3.0	20.1
3 22	10 47.92	+ 7 20.0	1.962	2.915	7.0	20.3
4 1	10 40.80	+ 8 4.8	2.019	2.910	10.7	20.5
4 11	10 35.71	+ 8 37.0	2.100	2.905	13.9	20.7

370631 2003 YK_{117} 3 4.9 141.°92 16.°0/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 36.30	−25 24.1	1.298	2.003	24.7	20.7
2 11	11 29.89	−27 37.1	1.230	2.009	22.2	20.5
2 21	11 19.80	−29 14.0	1.178	2.016	19.6	20.4
3 2	11 6.95	−30 4.3	1.143	2.021	17.3	20.2
3 12	10 53.05	−30 2.8	1.128	2.027	16.1	20.2
3 22	10 40.09	−29 12.7	1.134	2.032	16.4	20.2
4 1	10 29.91	−27 45.5	1.160	2.036	18.0	20.3
4 11	10 23.62	−25 58.1	1.205	2.040	20.4	20.5

42661 1998 FT_{126} 3 4.9 338.°40 7.°2/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.51	+22 28.6	1.543	2.407	14.1	18.5
2 11	11 24.00	+23 20.3	1.479	2.399	10.8	18.2
2 21	11 15.83	+24 7.1	1.438	2.392	8.0	18.0
3 2	11 5.94	+24 39.2	1.422	2.386	7.3	18.0
3 12	10 55.68	+24 48.9	1.433	2.380	9.4	18.1
3 22	10 46.42	+24 32.5	1.468	2.374	12.7	18.3
4 1	10 39.32	+23 50.6	1.524	2.369	16.1	18.5
4 11	10 35.06	+22 46.7	1.600	2.365	19.1	18.7

164291 2004 XK_{108} 3 4.9 95.°86 2.°3/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.55	− 0 47.6	1.549	2.373	16.2	19.8
2 11	11 23.81	− 0 48.7	1.481	2.383	12.3	19.6
2 21	11 15.64	− 0 32.3	1.436	2.392	7.8	19.3
3 2	11 5.89	− 0 1.5	1.416	2.401	3.3	19.1
3 12	10 55.81	+ 0 38.0	1.424	2.410	3.6	19.1
3 22	10 46.64	+ 1 19.4	1.458	2.419	8.0	19.4
4 1	10 39.44	+ 1 56.2	1.518	2.428	12.4	19.7
4 11	10 34.90	+ 2 23.1	1.600	2.437	16.0	19.9

470303 2007 HX_{46} 3 4.9 256.°06 3.°2/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.94	+13 11.2	2.051	2.902	11.7	21.5
2 11	11 20.88	+14 6.2	1.969	2.891	8.5	21.3
2 21	11 13.84	+15 6.2	1.912	2.879	5.1	21.0
3 2	11 5.48	+16 4.5	1.884	2.866	3.3	20.9
3 12	10 56.73	+16 54.3	1.885	2.854	5.4	21.0
3 22	10 48.54	+17 30.1	1.913	2.841	8.9	21.2
4 1	10 41.80	+17 48.8	1.967	2.828	12.3	21.4
4 11	10 37.14	+17 49.5	2.041	2.815	15.3	21.5

379991 2012 US_{166} 3 4.9 15.°31 3.°2/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.23	− 4 56.0	2.188	2.985	13.0	20.6
2 11	11 19.44	− 5 1.3	2.104	2.985	10.2	20.4
2 21	11 12.92	− 4 51.0	2.044	2.986	7.0	20.2
3 2	11 5.27	− 4 26.5	2.011	2.987	4.0	20.1
3 12	10 57.30	− 3 51.2	2.006	2.988	3.5	20.0
3 22	10 49.86	− 3 9.9	2.029	2.989	6.3	20.2
4 1	10 43.72	− 2 27.9	2.080	2.990	9.5	20.4
4 11	10 39.44	− 1 50.2	2.155	2.991	12.5	20.6

167774 2005 AH_8 3 4.9 71.°88 2.°6/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.55	+ 9 17.7	1.418	2.276	15.5	20.5
2 11	11 23.10	+10 16.6	1.370	2.295	11.1	20.3
2 21	11 15.18	+11 24.6	1.344	2.313	6.3	20.1
3 2	11 5.77	+12 32.8	1.344	2.332	2.7	19.9
3 12	10 56.21	+13 32.0	1.372	2.351	5.5	20.1
3 22	10 47.78	+14 15.0	1.426	2.369	10.0	20.4
4 1	10 41.49	+14 38.2	1.503	2.388	14.1	20.7
4 11	10 37.92	+14 41.1	1.600	2.406	17.4	20.9

105528 2000 RZ_{26} 3 4.9 130.°93 3.°6/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.98	− 5 18.6	1.730	2.530	15.8	20.3
2 11	11 23.23	− 5 18.3	1.657	2.541	12.3	20.1
2 21	11 15.24	− 4 57.8	1.607	2.550	8.3	19.8
3 2	11 5.82	− 4 19.1	1.582	2.560	4.6	19.6
3 12	10 56.05	− 3 27.2	1.586	2.569	4.1	19.6
3 22	10 47.09	− 2 29.1	1.617	2.577	7.5	19.8
4 1	10 39.90	− 1 32.0	1.675	2.585	11.4	20.1
4 11	10 35.13	− 0 42.6	1.755	2.593	14.8	20.3

383396 2006 TB_{63} 3 4.9 182.°71 0.°0/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.18	+ 4 39.4	2.543	3.367	10.6	20.8
2 11	11 19.89	+ 4 54.0	2.461	3.367	7.8	20.6
2 21	11 13.08	+ 5 16.5	2.404	3.367	4.5	20.4
3 2	11 5.31	+ 5 43.8	2.377	3.367	1.1	20.2
3 12	10 57.29	+ 6 12.0	2.381	3.367	2.5	20.3
3 22	10 49.76	+ 6 37.4	2.414	3.366	5.9	20.5
4 1	10 43.38	+ 6 56.7	2.474	3.365	9.0	20.7
4 11	10 38.65	+ 7 7.5	2.559	3.364	11.7	20.9

316590 2011 UX_{162} 3 4.9 164.°59 3.°8/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.97	+14 18.5	1.842	2.691	12.9	20.9
2 11	11 24.59	+15 14.1	1.776	2.696	9.4	20.7
2 21	11 15.99	+16 13.0	1.736	2.701	5.8	20.5
3 2	11 5.99	+17 7.5	1.724	2.705	3.8	20.4
3 12	10 55.71	+17 50.1	1.741	2.708	6.0	20.5
3 22	10 46.27	+18 16.0	1.786	2.711	9.7	20.8
4 1	10 38.63	+18 23.0	1.856	2.713	13.1	21.0
4 11	10 33.41	+18 11.4	1.946	2.714	16.1	21.2

343145 2009 FO_{42} 3 4.9 51.°15 5.°3/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.80	+20 58.0	2.066	2.922	11.4	20.2
2 11	11 21.30	+21 50.1	2.016	2.934	8.6	20.0
2 21	11 13.95	+22 38.7	1.991	2.946	6.1	19.9
3 2	11 5.51	+23 16.8	1.994	2.958	5.4	19.9
3 12	10 56.95	+23 38.9	2.025	2.970	7.1	20.0
3 22	10 49.20	+23 42.4	2.082	2.983	9.8	20.2
4 1	10 43.04	+23 26.7	2.163	2.996	12.5	20.4
4 11	10 38.97	+22 53.6	2.265	3.009	14.8	20.6

109591 2001 QV_{279} 3 4.9 168.°84 4.°2/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.10	+17 31.8	2.365	3.219	10.2	19.8
2 11	11 19.26	+18 41.8	2.300	3.220	7.5	19.6
2 21	11 12.77	+19 52.5	2.262	3.221	5.1	19.4
3 2	11 5.26	+20 57.1	2.252	3.222	4.3	19.4
3 12	10 57.50	+21 49.7	2.272	3.223	6.1	19.5
3 22	10 50.31	+22 26.0	2.319	3.224	8.7	19.7
4 1	10 44.41	+22 44.2	2.391	3.225	11.4	19.8
4 11	10 40.29	+22 44.4	2.485	3.225	13.7	20.0

337798 2001 UY_{210} 3 4.9 171.°57 3.°4/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.38	− 8 14.3	2.504	3.280	12.2	21.1
2 11	11 17.93	− 7 59.6	2.416	3.282	9.7	20.9
2 21	11 11.99	− 7 27.9	2.351	3.283	6.9	20.7
3 2	11 5.09	− 6 40.9	2.314	3.284	4.3	20.6
3 12	10 57.91	− 5 42.1	2.306	3.284	3.6	20.5
3 22	10 51.18	− 4 36.6	2.327	3.285	5.7	20.7
4 1	10 45.56	− 3 30.0	2.376	3.285	8.5	20.8
4 11	10 41.55	− 2 27.8	2.450	3.286	11.2	21.0

195394 2002 GF_{14} 3 4.9 275.°02 2.°9/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.97	− 5 22.2	2.009	2.810	13.8	20.1
2 11	11 18.78	− 4 59.3	1.914	2.799	10.8	19.8
2 21	11 12.68	− 4 16.8	1.842	2.788	7.3	19.6
3 2	11 5.27	− 3 16.9	1.797	2.777	3.9	19.4
3 12	10 57.42	− 2 4.6	1.781	2.765	3.4	19.3
3 22	10 50.06	− 0 46.9	1.792	2.754	6.7	19.5
4 1	10 44.05	+ 0 29.0	1.830	2.742	10.5	19.7
4 11	10 40.04	+ 1 36.3	1.892	2.731	13.9	19.9

130446 2000 QO_{36} 3 4.9 179.°54 0.°4/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.46	+ 3 30.2	1.918	2.748	13.3	21.2
2 11	11 22.01	+ 4 25.0	1.839	2.749	9.7	21.0
2 21	11 14.52	+ 5 33.6	1.786	2.751	5.6	20.7
3 2	11 5.68	+ 6 50.4	1.761	2.751	1.2	20.4
3 12	10 56.49	+ 8 7.7	1.766	2.751	3.4	20.6
3 22	10 47.95	+ 9 18.2	1.800	2.750	7.7	20.8
4 1	10 40.97	+10 16.1	1.860	2.748	11.6	21.1
4 11	10 36.17	+10 57.7	1.942	2.746	14.9	21.3

22609 1998 JT_1 3 4.9 221.°59 1.°5/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.46	+ 7 29.2	2.019	2.857	12.4	19.0
2 11	11 22.02	+ 8 20.3	1.932	2.847	9.0	18.8
2 21	11 14.55	+ 9 21.4	1.870	2.837	5.2	18.6
3 2	11 5.70	+10 26.7	1.838	2.826	1.6	18.3
3 12	10 56.41	+11 29.3	1.834	2.815	4.0	18.4
3 22	10 47.67	+12 22.8	1.860	2.803	8.1	18.7
4 1	10 40.40	+13 2.3	1.912	2.790	11.8	18.9
4 11	10 35.27	+13 25.6	1.986	2.777	15.1	19.0

173733 2001 QH_{238} 3 4.9 162.°32 0.°8/ 4.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.12	+ 7 18.3	2.563	3.395	10.3	20.7
2 11	11 19.83	+ 7 45.4	2.486	3.398	7.4	20.5
2 21	11 13.04	+ 8 18.9	2.436	3.402	4.2	20.3
3 2	11 5.32	+ 8 55.0	2.415	3.405	1.1	20.0
3 12	10 57.39	+ 9 29.4	2.424	3.407	2.9	20.2
3 22	10 49.96	+ 9 58.2	2.463	3.410	6.2	20.4
4 1	10 43.69	+10 18.5	2.530	3.412	9.2	20.6
4 11	10 39.05	+10 28.4	2.620	3.414	11.8	20.8

416100 2002 PN_{30} 3 4.9 203.°91 1.°7/ 6.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.31	− 0 51.4	2.152	2.959	12.9	22.7
2 11	11 22.50	− 0 38.6	2.061	2.954	9.8	22.5
2 21	11 14.77	− 0 11.8	1.995	2.949	6.2	22.2
3 2	11 5.75	+ 0 26.3	1.957	2.942	2.5	22.0
3 12	10 56.33	+ 1 11.2	1.949	2.935	2.9	22.0
3 22	10 47.43	+ 1 57.6	1.970	2.928	6.6	22.2
4 1	10 39.92	+ 2 40.2	2.019	2.919	10.3	22.4
4 11	10 34.42	+ 3 14.6	2.092	2.910	13.5	22.6

498773 2008 UV_{92} 3 4.9 198.°18 0.°3/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.92	+ 1 53.2	2.750	3.564	10.2	22.6
2 11	11 18.94	+ 2 39.3	2.659	3.559	7.5	22.4
2 21	11 12.54	+ 3 36.1	2.595	3.555	4.5	22.2
3 2	11 5.22	+ 4 40.2	2.560	3.549	1.2	22.0
3 12	10 57.62	+ 5 46.6	2.557	3.543	2.3	22.0
3 22	10 50.42	+ 6 50.4	2.585	3.537	5.6	22.3
4 1	10 44.24	+ 7 47.2	2.641	3.529	8.6	22.4
4 11	10 39.56	+ 8 33.7	2.722	3.521	11.2	22.6

80212 1999 VQ_{96} 3 4.9 65.°34 2.°5/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.19	+ 8 48.1	1.273	2.135	16.7	19.7
2 11	11 24.02	+ 9 36.0	1.212	2.139	12.1	19.4
2 21	11 15.98	+10 35.6	1.172	2.142	6.9	19.1
3 2	11 6.04	+11 38.0	1.158	2.146	2.6	18.9
3 12	10 55.71	+12 33.1	1.169	2.151	5.7	19.1
3 22	10 46.47	+13 12.6	1.206	2.155	10.8	19.4
4 1	10 39.59	+13 31.8	1.265	2.159	15.5	19.6
4 11	10 35.79	+13 29.7	1.343	2.163	19.4	19.9

340700 2006 SC_{23} 3 4.9 121.°44 4.°9/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.31	+22 44.3	2.669	3.516	9.4	20.9
2 11	11 20.62	+23 41.4	2.618	3.529	7.2	20.8
2 21	11 13.46	+24 34.4	2.595	3.542	5.4	20.7
3 2	11 5.41	+25 17.7	2.600	3.554	5.0	20.7
3 12	10 57.26	+25 46.7	2.634	3.566	6.4	20.8
3 22	10 49.72	+25 59.1	2.696	3.578	8.6	20.9
4 1	10 43.45	+25 54.5	2.783	3.590	10.7	21.1
4 11	10 38.88	+25 33.9	2.891	3.601	12.6	21.2

34761 2001 QM_{179} 3 4.9 57.°79 0.°7/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.49	+ 3 26.0	1.294	2.148	16.9	18.2
2 11	11 21.16	+ 4 30.8	1.238	2.160	12.3	18.0
2 21	11 14.22	+ 5 54.3	1.203	2.172	7.1	17.7
3 2	11 5.63	+ 7 27.7	1.194	2.184	1.5	17.4
3 12	10 56.75	+ 8 59.3	1.211	2.197	4.4	17.6
3 22	10 48.93	+10 18.8	1.254	2.210	9.7	17.9
4 1	10 43.26	+11 18.5	1.320	2.223	14.4	18.3
4 11	10 40.41	+11 55.3	1.406	2.236	18.2	18.5

367523 2009 QV_3 3 4.9 143.°60 4.°7/ 9.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.07	−10 17.6	2.332	3.090	13.5	21.9
2 11	11 22.14	−10 34.1	2.251	3.101	10.9	21.7
2 21	11 14.47	−10 32.6	2.193	3.111	8.1	21.5
3 2	11 5.68	−10 13.5	2.163	3.121	5.6	21.4
3 12	10 56.61	− 9 39.3	2.161	3.130	4.8	21.4
3 22	10 48.11	− 8 54.6	2.188	3.139	6.5	21.5
4 1	10 40.94	− 8 4.9	2.244	3.147	9.2	21.7
4 11	10 35.65	− 7 16.0	2.323	3.154	11.9	21.8

156385 2001 YC_{83} 3 4.9 336.°77 5.°5/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.66	− 6 45.2	1.591	2.395	16.8	19.4
2 11	11 21.93	− 7 27.8	1.506	2.386	13.5	19.2
2 21	11 14.74	− 7 50.6	1.442	2.379	9.8	18.9
3 2	11 5.80	− 7 52.6	1.402	2.372	6.4	18.7
3 12	10 56.27	− 7 35.9	1.388	2.365	5.7	18.6
3 22	10 47.38	− 7 5.8	1.400	2.359	8.5	18.8
4 1	10 40.30	− 6 29.1	1.437	2.354	12.4	19.0
4 11	10 35.81	− 5 53.4	1.495	2.349	16.1	19.2

85705 1998 SO_{21} 3 4.9 242.°86 0.°0/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.90	+ 3 52.4	1.698	2.531	14.6	20.1
2 11	11 24.24	+ 4 20.6	1.605	2.516	10.8	19.8
2 21	11 16.07	+ 5 3.1	1.536	2.500	6.4	19.5
3 2	11 6.12	+ 5 55.2	1.494	2.483	1.5	19.1
3 12	10 55.50	+ 6 50.0	1.480	2.466	3.6	19.3
3 22	10 45.47	+ 7 40.2	1.494	2.448	8.6	19.5
4 1	10 37.19	+ 8 19.4	1.534	2.429	13.2	19.7
4 11	10 31.49	+ 8 43.8	1.595	2.410	17.1	19.9

502753 2015 DM_{53} 3 4.9 265.°47 1.°1/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.79	+ 6 42.2	2.119	2.960	11.8	20.8
2 11	11 19.22	+ 7 26.1	2.038	2.954	8.5	20.6
2 21	11 12.86	+ 8 19.4	1.982	2.949	4.9	20.3
3 2	11 5.33	+ 9 17.3	1.954	2.943	1.3	20.1
3 12	10 57.47	+10 13.4	1.955	2.938	3.5	20.2
3 22	10 50.14	+11 2.2	1.985	2.932	7.3	20.5
4 1	10 44.15	+11 39.1	2.041	2.926	10.9	20.7
4 11	10 40.07	+12 1.7	2.119	2.921	13.9	20.9

358990 2008 SF_{255} 3 4.9 158.°02 1.°4/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.56	+ 6 6.5	1.717	2.558	14.1	21.6
2 11	11 22.97	+ 7 9.1	1.648	2.564	10.2	21.4
2 21	11 15.14	+ 8 24.2	1.603	2.570	5.8	21.1
3 2	11 5.86	+ 9 44.5	1.586	2.576	1.6	20.9
3 12	10 56.25	+11 1.4	1.599	2.581	4.3	21.1
3 22	10 47.44	+12 7.1	1.639	2.585	8.7	21.3
4 1	10 40.41	+12 56.1	1.705	2.588	12.8	21.6
4 11	10 35.81	+13 26.0	1.792	2.591	16.1	21.8

223225 2003 DW_7 3 4.9 314.°39 0.°5/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.90	+ 2 2.9	1.616	2.457	14.8	20.6
2 11	11 19.83	+ 2 32.9	1.531	2.445	11.1	20.4
2 21	11 13.47	+ 3 19.7	1.469	2.433	6.6	20.1
3 2	11 5.51	+ 4 18.7	1.433	2.422	1.8	19.7
3 12	10 57.02	+ 5 22.6	1.424	2.411	3.4	19.8
3 22	10 49.17	+ 6 23.5	1.441	2.401	8.3	20.1
4 1	10 43.01	+ 7 14.1	1.484	2.391	12.8	20.3
4 11	10 39.30	+ 7 49.6	1.547	2.381	16.6	20.5

465123 2006 WL_{170} 3 4.9 60.°88 0.°8/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.59	+ 1 18.8	1.536	2.372	15.7	22.1
2 11	11 21.57	+ 1 49.0	1.480	2.391	11.6	21.9
2 21	11 14.29	+ 2 35.6	1.447	2.409	6.9	21.6
3 2	11 5.65	+ 3 33.3	1.440	2.428	2.0	21.4
3 12	10 56.83	+ 4 34.3	1.460	2.448	3.3	21.5
3 22	10 48.96	+ 5 30.9	1.507	2.467	8.0	21.8
4 1	10 43.00	+ 6 16.8	1.579	2.486	12.2	22.1
4 11	10 39.51	+ 6 48.2	1.673	2.505	15.7	22.4

264728 2002 CG_{84} 3 4.9 55.°39 1.°7/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.16	+ 5 43.2	1.629	2.481	14.2	19.8
2 11	11 19.03	+ 7 7.8	1.573	2.496	10.1	19.6
2 21	11 12.81	+ 8 45.8	1.542	2.511	5.7	19.4
3 2	11 5.32	+10 28.3	1.538	2.527	1.8	19.2
3 12	10 57.61	+12 5.2	1.562	2.543	4.6	19.4
3 22	10 50.74	+13 28.0	1.613	2.559	8.9	19.7
4 1	10 45.57	+14 30.8	1.689	2.575	12.7	19.9
4 11	10 42.68	+15 11.5	1.786	2.592	15.9	20.2

518765 2009 UM_{160} 3 4.9 233.°48 2.°8/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.42	+12 9.0	1.898	2.748	12.5	21.3
2 11	11 22.02	+12 50.0	1.824	2.746	9.1	21.1
2 21	11 14.55	+13 36.0	1.776	2.743	5.3	20.9
3 2	11 5.73	+14 20.7	1.756	2.741	2.8	20.7
3 12	10 56.59	+14 57.4	1.764	2.739	5.1	20.8
3 22	10 48.15	+15 21.2	1.800	2.736	8.8	21.1
4 1	10 41.33	+15 29.2	1.861	2.733	12.4	21.3
4 11	10 36.74	+15 20.8	1.943	2.731	15.5	21.5

29392 1996 MN_1 3 4.9 246.°69 7.°1/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.25	+23 5.7	1.919	2.777	12.1	18.7
2 11	11 22.10	+24 43.3	1.851	2.766	9.4	18.5
2 21	11 14.70	+26 18.4	1.808	2.754	7.4	18.3
3 2	11 5.79	+27 40.9	1.793	2.743	7.3	18.3
3 12	10 56.43	+28 42.3	1.805	2.731	9.4	18.4
3 22	10 47.75	+29 17.5	1.843	2.718	12.2	18.5
4 1	10 40.76	+29 25.0	1.902	2.705	15.1	18.7
4 11	10 36.15	+29 7.2	1.980	2.692	17.6	18.9

123678 2000 YP_{91} 3 4.9 59.°62 3.°1/ 1.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.53	+12 15.6	1.870	2.725	12.5	19.5
2 11	11 20.63	+13 11.5	1.804	2.728	9.0	19.3
2 21	11 13.73	+14 12.7	1.763	2.730	5.3	19.1
3 2	11 5.55	+15 12.3	1.749	2.733	3.1	18.9
3 12	10 57.09	+16 2.8	1.764	2.736	5.4	19.1
3 22	10 49.35	+16 38.9	1.806	2.739	9.0	19.3
4 1	10 43.21	+16 57.5	1.873	2.742	12.5	19.5
4 11	10 39.25	+16 57.9	1.961	2.745	15.4	19.7

505238 2012 UU_{60} 3 4.9 188.°55 3.°8/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.37	+18 54.7	2.854	3.699	8.9	22.2
2 11	11 19.95	+19 47.9	2.783	3.698	6.6	22.1
2 21	11 13.12	+20 40.1	2.740	3.696	4.5	21.9
3 2	11 5.39	+21 26.4	2.727	3.695	3.9	21.9
3 12	10 57.46	+22 2.2	2.744	3.692	5.3	22.0
3 22	10 50.00	+22 24.4	2.789	3.689	7.6	22.1
4 1	10 43.64	+22 31.7	2.861	3.686	10.0	22.3
4 11	10 38.84	+22 24.1	2.955	3.683	12.0	22.4

32047 Wenjiali 3 4.9 235.°18 1.°4/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.13	+ 0 18.3	2.089	2.905	12.9	19.9
2 11	11 21.76	+ 0 32.7	1.995	2.893	9.7	19.6
2 21	11 14.42	+ 1 0.8	1.925	2.882	6.1	19.4
3 2	11 5.73	+ 1 39.8	1.883	2.870	2.2	19.1
3 12	10 56.58	+ 2 24.7	1.870	2.857	2.8	19.1
3 22	10 47.92	+ 3 10.3	1.886	2.844	6.8	19.4
4 1	10 40.64	+ 3 51.1	1.929	2.830	10.6	19.6
4 11	10 35.41	+ 4 22.7	1.996	2.816	13.9	19.7

432217 2009 FJ_{40} 3 4.9 36.°41 8.°2/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.93	+29 9.8	1.872	2.721	12.7	20.3
2 11	11 24.49	+30 1.4	1.832	2.734	10.3	20.2
2 21	11 15.86	+30 41.3	1.816	2.747	8.5	20.1
3 2	11 6.00	+31 1.5	1.826	2.760	8.4	20.1
3 12	10 56.13	+30 57.0	1.862	2.775	9.9	20.2
3 22	10 47.36	+30 27.1	1.922	2.789	12.2	20.4
4 1	10 40.58	+29 33.8	2.006	2.804	14.6	20.6
4 11	10 36.29	+28 21.7	2.108	2.819	16.6	20.8

107612 2001 EV_4 3 4.9 36.°56 1.°7/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.44	+ 7 48.7	1.237	2.101	16.9	19.5
2 11	11 22.65	+ 8 22.2	1.186	2.113	12.2	19.2
2 21	11 15.11	+ 9 7.2	1.156	2.127	7.0	19.0
3 2	11 5.88	+ 9 56.0	1.151	2.141	2.0	18.7
3 12	10 56.42	+10 39.4	1.171	2.155	5.0	18.9
3 22	10 48.15	+11 10.0	1.216	2.170	10.2	19.3
4 1	10 42.21	+11 23.5	1.284	2.186	14.7	19.6
4 11	10 39.23	+11 18.4	1.371	2.203	18.5	19.9

206322 2003 NV_{10} 3 4.9 132.°20 0.°1/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.79	+ 1 49.7	1.742	2.573	14.4	21.2
2 11	11 21.62	+ 2 43.6	1.674	2.583	10.6	20.9
2 21	11 14.33	+ 3 53.6	1.630	2.593	6.2	20.7
3 2	11 5.70	+ 5 13.5	1.613	2.602	1.5	20.4
3 12	10 56.77	+ 6 35.3	1.624	2.611	3.3	20.6
3 22	10 48.62	+ 7 50.8	1.665	2.619	7.8	20.9
4 1	10 42.17	+ 8 53.4	1.731	2.627	11.9	21.1
4 11	10 38.03	+ 9 39.3	1.819	2.634	15.3	21.3

239980 2001 RB_{96} 3 4.9 70.°65 2.°9/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.94	+10 27.8	1.317	2.177	16.3	20.7
2 11	11 25.07	+11 9.4	1.265	2.191	11.8	20.4
2 21	11 16.47	+11 58.8	1.237	2.206	6.8	20.2
3 2	11 6.18	+12 47.6	1.233	2.221	2.9	20.0
3 12	10 55.71	+13 26.8	1.256	2.235	5.8	20.2
3 22	10 46.46	+13 50.1	1.305	2.250	10.5	20.5
4 1	10 39.59	+13 54.4	1.376	2.265	14.9	20.8
4 11	10 35.70	+13 39.9	1.467	2.280	18.4	21.1

14652 1998 YT_8 3 4.9 139.°40 1.°3/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.68	+ 7 44.9	2.285	3.124	11.1	18.7
2 11	11 19.69	+ 8 30.3	2.214	3.130	8.0	18.5
2 21	11 13.06	+ 9 23.1	2.169	3.136	4.5	18.3
3 2	11 5.41	+10 18.5	2.153	3.142	1.4	18.0
3 12	10 57.54	+11 10.8	2.166	3.147	3.5	18.2
3 22	10 50.24	+11 54.9	2.209	3.153	7.0	18.4
4 1	10 44.22	+12 27.4	2.278	3.158	10.2	18.6
4 11	10 39.99	+12 46.3	2.371	3.162	12.9	18.8

66884 1999 VX_{70} 3 4.9 176.°71 0.°3/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.00	+ 4 29.1	2.200	3.031	11.8	20.1
2 11	11 20.01	+ 5 5.4	2.122	3.032	8.6	19.9
2 21	11 13.30	+ 5 52.1	2.068	3.033	5.0	19.7
3 2	11 5.48	+ 6 44.8	2.043	3.033	1.1	19.4
3 12	10 57.37	+ 7 37.8	2.048	3.033	2.9	19.6
3 22	10 49.82	+ 8 25.9	2.082	3.033	6.7	19.8
4 1	10 43.58	+ 9 4.5	2.143	3.033	10.2	20.0
4 11	10 39.20	+ 9 30.8	2.227	3.033	13.2	20.2

52452 1994 VQ_1 3 4.9 66.°84 3.°1/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.73	− 4 10.3	1.557	2.372	16.6	18.9
2 11	11 22.35	− 3 56.3	1.504	2.397	12.7	18.7
2 21	11 14.73	− 3 21.1	1.472	2.422	8.3	18.5
3 2	11 5.79	− 2 28.5	1.466	2.447	4.1	18.3
3 12	10 56.71	− 1 25.4	1.487	2.472	3.8	18.4
3 22	10 48.63	− 0 19.8	1.535	2.497	7.6	18.7
4 1	10 42.46	+ 0 40.5	1.609	2.522	11.5	18.9
4 11	10 38.78	+ 1 29.8	1.705	2.547	15.0	19.2

421237 2013 SL_{43} 3 4.9 156.°56 3.°8/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.38	+14 40.2	2.007	2.860	11.8	20.8
2 11	11 21.16	+15 39.9	1.940	2.862	8.6	20.6
2 21	11 14.02	+16 42.6	1.900	2.864	5.3	20.4
3 2	11 5.65	+17 41.1	1.887	2.866	3.8	20.3
3 12	10 57.00	+18 28.7	1.903	2.868	5.8	20.4
3 22	10 49.05	+19 0.4	1.947	2.869	9.1	20.6
4 1	10 42.63	+19 14.0	2.015	2.871	12.3	20.8
4 11	10 38.32	+19 9.2	2.104	2.872	15.1	21.0

223290 2003 HR_{47} 3 4.9 202.°78 6.°8/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.37	+25 50.4	2.219	3.065	11.1	20.7
2 11	11 23.31	+27 2.5	2.157	3.062	8.8	20.5
2 21	11 15.25	+28 8.6	2.121	3.058	7.1	20.4
3 2	11 5.93	+29 0.7	2.113	3.054	7.0	20.4
3 12	10 56.33	+29 32.6	2.133	3.049	8.6	20.5
3 22	10 47.45	+29 41.5	2.178	3.044	11.0	20.6
4 1	10 40.15	+29 27.1	2.247	3.039	13.4	20.7
4 11	10 35.03	+28 52.0	2.336	3.033	15.5	20.9

209476 2004 HH_4 3 4.9 38.°23 4.°6/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.80	+18 13.1	2.000	2.856	11.7	19.6
2 11	11 21.42	+18 58.3	1.942	2.863	8.6	19.4
2 21	11 14.12	+19 42.4	1.909	2.869	5.7	19.3
3 2	11 5.66	+20 18.8	1.904	2.877	4.6	19.2
3 12	10 57.02	+20 41.6	1.926	2.884	6.5	19.3
3 22	10 49.16	+20 47.4	1.976	2.891	9.4	19.5
4 1	10 42.89	+20 35.3	2.050	2.899	12.4	19.7
4 11	10 38.75	+20 6.4	2.145	2.907	15.0	19.9

185423 2006 XM 3 4.9 83.°02 5.°3/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.85	−12 1.4	1.758	2.533	16.6	19.7
2 11	11 20.20	−11 42.4	1.690	2.550	13.4	19.5
2 21	11 13.50	−10 56.6	1.643	2.567	9.9	19.4
3 2	11 5.53	− 9 46.0	1.621	2.584	6.6	19.2
3 12	10 57.32	− 8 16.5	1.626	2.601	5.3	19.2
3 22	10 49.88	− 6 36.8	1.659	2.618	7.4	19.3
4 1	10 44.12	− 4 56.5	1.718	2.635	10.7	19.6
4 11	10 40.59	− 3 24.3	1.801	2.651	13.9	19.8

32907 1994 RL_2 3 4.9 221.°75 0.°8/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 24.94	+ 1 45.5	2.842	3.652	10.0	19.4
2 11	11 19.68	+ 1 55.6	2.746	3.643	7.5	19.2
2 21	11 13.01	+ 2 14.6	2.677	3.634	4.6	19.0
3 2	11 5.42	+ 2 40.1	2.638	3.625	1.5	18.8
3 12	10 57.53	+ 3 9.0	2.629	3.616	2.2	18.8
3 22	10 50.03	+ 3 37.6	2.650	3.606	5.3	19.0
4 1	10 43.51	+ 4 2.7	2.700	3.595	8.2	19.2
4 11	10 38.47	+ 4 21.5	2.776	3.584	10.8	19.4

211224 2002 PO_{96} 3 4.9 232.°31 1.°5/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.29	+ 7 17.6	1.959	2.799	12.6	21.2
2 11	11 22.00	+ 8 7.4	1.871	2.787	9.2	21.0
2 21	11 14.62	+ 9 7.8	1.809	2.776	5.3	20.7
3 2	11 5.82	+10 12.9	1.774	2.763	1.6	20.5
3 12	10 56.55	+11 15.6	1.769	2.750	4.1	20.6
3 22	10 47.82	+12 9.3	1.792	2.736	8.2	20.8
4 1	10 40.60	+12 48.9	1.841	2.722	12.1	21.0
4 11	10 35.55	+13 12.0	1.912	2.708	15.4	21.2

138607 2000 QF_{184} 3 4.9 148.°02 0.°5/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.08	+ 3 45.3	2.742	3.556	10.2	20.4
2 11	11 21.16	+ 3 48.4	2.663	3.564	7.5	20.2
2 21	11 13.82	+ 3 58.9	2.611	3.570	4.5	20.0
3 2	11 5.59	+ 4 14.3	2.588	3.577	1.2	19.8
3 12	10 57.17	+ 4 31.4	2.596	3.583	2.2	19.9
3 22	10 49.24	+ 4 47.2	2.635	3.589	5.4	20.1
4 1	10 42.43	+ 4 58.7	2.703	3.594	8.3	20.3
4 11	10 37.19	+ 5 3.9	2.795	3.599	10.8	20.5

15605 2000 GY_{114} 3 4.9 251.°38 7.°7/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.04	+25 49.5	1.927	2.779	12.3	17.5
2 11	11 24.15	+27 9.1	1.858	2.766	9.8	17.3
2 21	11 15.92	+28 22.9	1.814	2.753	8.0	17.2
3 2	11 6.12	+29 21.4	1.798	2.740	7.9	17.1
3 12	10 55.89	+29 56.6	1.808	2.727	9.8	17.2
3 22	10 46.42	+30 5.0	1.843	2.713	12.5	17.3
4 1	10 38.75	+29 46.2	1.900	2.699	15.3	17.5
4 11	10 33.59	+29 3.4	1.976	2.684	17.7	17.6

33345 Nataliedessay 3 4.9 348.°51 4.°1/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 22.53	+11 44.1	1.241	2.118	15.9	16.9
2 11	11 19.34	+12 49.6	1.175	2.109	11.5	16.6
2 21	11 13.40	+14 5.3	1.131	2.102	6.9	16.3
3 2	11 5.56	+15 20.6	1.110	2.095	4.1	16.1
3 12	10 57.22	+16 24.1	1.115	2.090	7.2	16.3
3 22	10 49.80	+17 6.9	1.143	2.086	12.0	16.5
4 1	10 44.56	+17 24.2	1.193	2.083	16.5	16.8
4 11	10 42.27	+17 15.4	1.260	2.082	20.4	17.0

8693 Matsuki 3 4.9 147.°04 2.°2/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.51	+ 8 45.2	1.870	2.715	12.9	17.3
2 11	11 22.06	+ 9 53.6	1.804	2.723	9.3	17.1
2 21	11 14.57	+11 11.0	1.764	2.731	5.3	16.9
3 2	11 5.79	+12 30.1	1.752	2.739	2.3	16.7
3 12	10 56.74	+13 42.6	1.769	2.746	4.7	16.8
3 22	10 48.43	+14 42.0	1.815	2.753	8.6	17.1
4 1	10 41.76	+15 23.9	1.886	2.759	12.2	17.3
4 11	10 37.31	+15 46.9	1.978	2.764	15.3	17.5

85882 1999 CA_{25} 3 4.9 77.°05 7.°8/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.33	+20 5.3	1.343	2.214	15.4	18.6
2 11	11 23.93	+22 2.0	1.308	2.233	11.5	18.4
2 21	11 15.81	+23 55.1	1.295	2.251	8.5	18.3
3 2	11 6.07	+25 30.9	1.309	2.270	8.0	18.3
3 12	10 56.19	+26 38.5	1.348	2.289	10.4	18.5
3 22	10 47.59	+27 13.0	1.410	2.307	13.8	18.8
4 1	10 41.36	+27 15.0	1.494	2.326	17.1	19.0
4 11	10 38.08	+26 48.8	1.594	2.344	19.8	19.3

465413 2008 KK_3 3 4.9 196.°93 1.°2/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.16	− 0 39.5	2.360	3.169	11.8	22.4
2 11	11 20.08	− 0 4.8	2.271	3.166	8.9	22.2
2 21	11 13.34	+ 0 43.6	2.207	3.163	5.5	22.0
3 2	11 5.51	+ 1 42.5	2.172	3.159	2.0	21.7
3 12	10 57.36	+ 2 46.7	2.167	3.154	2.5	21.7
3 22	10 49.68	+ 3 50.6	2.192	3.149	6.1	22.0
4 1	10 43.20	+ 4 48.8	2.245	3.143	9.5	22.2
4 11	10 38.49	+ 5 37.2	2.322	3.136	12.4	22.4

467658 2008 TE_{151} 3 4.9 275.°04 3.°1/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.79	+13 6.9	1.957	2.808	12.1	21.1
2 11	11 21.53	+13 49.9	1.885	2.807	8.8	20.9
2 21	11 14.27	+14 36.9	1.838	2.805	5.3	20.7
3 2	11 5.73	+15 21.6	1.820	2.803	3.1	20.6
3 12	10 56.89	+15 57.6	1.830	2.801	5.2	20.7
3 22	10 48.73	+16 20.1	1.867	2.800	8.8	20.9
4 1	10 42.13	+16 26.5	1.930	2.798	12.2	21.1
4 11	10 37.69	+16 16.5	2.013	2.796	15.1	21.3

151800 2003 FE_{57} 3 4.9 271.°57 2.°8/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 29.37	+12 16.3	1.796	2.646	13.1	20.2
2 11	11 23.58	+12 44.2	1.721	2.642	9.5	19.9
2 21	11 15.54	+13 16.6	1.671	2.638	5.6	19.7
3 2	11 6.04	+13 47.4	1.648	2.634	2.8	19.5
3 12	10 56.17	+14 10.2	1.653	2.629	5.1	19.6
3 22	10 47.05	+14 20.5	1.686	2.625	9.1	19.8
4 1	10 39.69	+14 15.7	1.744	2.621	12.9	20.1
4 11	10 34.74	+13 55.5	1.823	2.617	16.1	20.3

406195 2006 WR_{185} 3 4.9 104.°94 9.°0/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 30.16	+28 24.7	1.755	2.608	13.2	20.6
2 11	11 24.22	+30 5.8	1.716	2.620	10.7	20.4
2 21	11 15.88	+31 36.0	1.702	2.631	9.2	20.4
3 2	11 6.09	+32 44.7	1.714	2.642	9.4	20.4
3 12	10 56.13	+33 24.5	1.751	2.652	11.1	20.5
3 22	10 47.23	+33 33.1	1.812	2.663	13.6	20.7
4 1	10 40.39	+33 12.0	1.894	2.673	16.0	20.9
4 11	10 36.19	+32 26.0	1.993	2.683	18.1	21.1

399254 2014 HA_{31} 3 4.9 178.°13 3.°8/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.52	+10 51.1	1.312	2.176	16.1	21.1
2 11	11 23.59	+12 2.8	1.248	2.176	11.7	20.9
2 21	11 15.81	+13 25.1	1.207	2.176	6.9	20.6
3 2	11 6.13	+14 47.4	1.191	2.176	3.8	20.4
3 12	10 55.99	+15 58.1	1.202	2.176	6.8	20.6
3 22	10 46.86	+16 48.5	1.237	2.176	11.6	20.9
4 1	10 40.02	+17 14.0	1.295	2.176	16.1	21.1
4 11	10 36.20	+17 14.3	1.371	2.176	19.9	21.4

40419 1999 RV_{20} 3 4.9 105.°20 1.°4/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.14	− 0 38.6	2.027	2.844	13.2	19.5
2 11	11 20.20	− 0 13.9	1.954	2.853	9.9	19.3
2 21	11 13.45	+ 0 25.4	1.906	2.862	6.2	19.1
3 2	11 5.56	+ 1 15.9	1.885	2.871	2.4	18.8
3 12	10 57.41	+ 2 12.1	1.893	2.880	2.8	18.9
3 22	10 49.90	+ 3 7.8	1.929	2.889	6.5	19.1
4 1	10 43.83	+ 3 57.5	1.993	2.897	10.2	19.4
4 11	10 39.73	+ 4 37.0	2.080	2.906	13.3	19.6

22130 2000 UT_3 3 4.9 129.°66 0.°4/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 27.45	+ 3 10.7	1.908	2.737	13.4	19.0
2 11	11 21.93	+ 4 12.0	1.843	2.752	9.7	18.8
2 21	11 14.46	+ 5 26.6	1.803	2.767	5.6	18.5
3 2	11 5.79	+ 6 48.6	1.791	2.781	1.2	18.3
3 12	10 56.89	+ 8 9.9	1.810	2.795	3.3	18.4
3 22	10 48.75	+ 9 23.4	1.857	2.808	7.5	18.7
4 1	10 42.20	+10 23.4	1.931	2.820	11.2	19.0
4 11	10 37.79	+11 6.8	2.028	2.831	14.4	19.2

409014 2003 AK_{81} 3 4.9 33.°05 0.°7/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 32.39	+ 8 17.2	1.341	2.193	16.5	19.6
2 11	11 26.12	+ 8 1.4	1.285	2.206	12.1	19.4
2 21	11 17.10	+ 7 53.4	1.251	2.218	7.0	19.1
3 2	11 6.41	+ 7 48.8	1.242	2.232	1.6	18.8
3 12	10 55.51	+ 7 42.4	1.261	2.247	4.2	19.0
3 22	10 45.83	+ 7 30.0	1.305	2.262	9.3	19.4
4 1	10 38.52	+ 7 9.0	1.373	2.277	13.8	19.7
4 11	10 34.20	+ 6 38.2	1.462	2.294	17.5	19.9

27631 3106 P–L 3 4.9 201.°44 3.°6/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 23.41	− 8 41.9	2.565	3.336	12.1	19.4
2 11	11 18.73	− 8 34.9	2.472	3.333	9.6	19.2
2 21	11 12.54	− 8 11.3	2.402	3.330	6.9	19.0
3 2	11 5.36	− 7 32.3	2.360	3.326	4.5	18.9
3 12	10 57.87	− 6 41.0	2.346	3.323	3.8	18.8
3 22	10 50.79	− 5 42.1	2.362	3.319	5.7	18.9
4 1	10 44.80	− 4 40.8	2.407	3.315	8.5	19.1
4 11	10 40.42	− 3 42.6	2.476	3.310	11.1	19.3

110839 2001 UR_{68} 3 4.9 119.°15 6.°3/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 31.12	+24 13.4	2.168	3.014	11.3	20.1
2 11	11 24.40	+25 23.1	2.125	3.032	8.7	19.9
2 21	11 15.79	+26 26.3	2.108	3.051	6.7	19.8
3 2	11 6.08	+27 15.6	2.120	3.068	6.4	19.9
3 12	10 56.29	+27 45.4	2.160	3.086	8.0	20.0
3 22	10 47.39	+27 53.3	2.226	3.102	10.4	20.2
4 1	10 40.17	+27 39.6	2.317	3.118	12.8	20.3
4 11	10 35.14	+27 7.2	2.428	3.133	14.8	20.5

371171 2005 YH_{42} 3 4.9 120.°68 1.°0/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.89	+ 6 43.1	1.994	2.832	12.5	21.4
2 11	11 21.48	+ 7 20.4	1.927	2.842	9.1	21.2
2 21	11 14.19	+ 8 6.7	1.884	2.851	5.2	21.0
3 2	11 5.74	+ 8 56.8	1.870	2.860	1.3	20.7
3 12	10 57.04	+ 9 44.5	1.885	2.868	3.5	20.9
3 22	10 49.05	+10 24.4	1.929	2.877	7.5	21.2
4 1	10 42.58	+10 52.6	1.998	2.885	11.0	21.4
4 11	10 38.17	+11 7.0	2.091	2.893	14.0	21.6

82945 2001 QN_{117} 3 4.9 205.°72 2.°3/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 25.15	− 3 1.6	2.543	3.338	11.5	19.8
2 11	11 19.98	− 3 1.6	2.452	3.335	8.8	19.7
2 21	11 13.27	− 2 49.0	2.386	3.332	5.9	19.5
3 2	11 5.53	− 2 25.4	2.348	3.328	3.0	19.3
3 12	10 57.49	− 1 54.1	2.340	3.324	2.8	19.2
3 22	10 49.88	− 1 19.0	2.362	3.320	5.6	19.4
4 1	10 43.40	− 0 44.3	2.412	3.316	8.6	19.6
4 11	10 38.55	− 0 14.1	2.487	3.311	11.4	19.8

217079 2001 TJ_{57} 3 4.9 128.°31 0.°6/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 26.59	+ 1 50.3	1.949	2.774	13.3	21.2
2 11	11 21.32	+ 2 20.8	1.877	2.783	9.8	21.0
2 21	11 14.13	+ 3 4.6	1.830	2.791	5.9	20.8
3 2	11 5.73	+ 3 57.6	1.811	2.800	1.7	20.5
3 12	10 57.06	+ 4 53.5	1.820	2.807	2.9	20.6
3 22	10 49.08	+ 5 46.2	1.859	2.815	7.0	20.9
4 1	10 42.62	+ 6 30.5	1.923	2.822	10.8	21.2
4 11	10 38.25	+ 7 2.6	2.011	2.829	13.9	21.4

128113 2003 QK_{19} 3 4.9 277.°02 1.°1/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 1	11 28.33	+ 2 22.9	1.983	2.806	13.2	19.5
2 11	11 22.77	+ 2 17.6	1.889	2.793	9.9	19.3
2 21	11 15.10	+ 2 23.4	1.820	2.779	6.1	19.0
3 2	11 5.99	+ 2 37.8	1.778	2.766	2.1	18.7
3 12	10 56.38	+ 2 56.8	1.766	2.753	2.9	18.7
3 22	10 47.29	+ 3 15.9	1.781	2.739	7.1	19.0
4 1	10 39.69	+ 3 30.7	1.824	2.726	11.1	19.2
4 11	10 34.26	+ 3 37.7	1.889	2.712	14.5	19.4

324525 2006 VZ_{111} 3 4.9 95.°93 1.°2/ 3.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 30.43	+ 7 27.8	1.837	2.675	13.4	21.2
2 11	11 24.04	+ 7 59.3	1.783	2.697	9.7	21.0
2 21	11 15.64	+ 8 38.8	1.754	2.720	5.5	20.8
3 2	11 6.06	+ 9 20.8	1.752	2.742	1.5	20.6
3 12	10 56.37	+ 9 59.1	1.780	2.763	3.8	20.8
3 22	10 47.61	+10 28.7	1.837	2.784	7.8	21.1
4 1	10 40.61	+10 46.2	1.920	2.805	11.5	21.4
4 11	10 35.90	+10 50.2	2.024	2.825	14.5	21.6

473944 2016 EL_{172} 3 4.9 256.°24 2.°4/ 2.5 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 24.59	+ 9 22.1	1.898	2.749	12.5	21.5
2 11	11 20.05	+10 27.5	1.820	2.742	9.0	21.3
2 21	11 13.50	+11 42.2	1.767	2.735	5.2	21.1
3 2	11 5.61	+12 59.2	1.741	2.728	2.4	20.9
3 12	10 57.32	+14 10.6	1.745	2.721	4.8	21.0
3 22	10 49.63	+15 9.4	1.776	2.714	8.8	21.2
4 1	10 43.45	+15 50.9	1.832	2.707	12.5	21.4
4 11	10 39.41	+16 13.3	1.909	2.700	15.6	21.6

331921 2004 RQ_{201} 3 4.9 81.°49 2.°3/ 7.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 25.60	− 4 12.3	1.989	2.791	13.9	20.4
2 11	11 20.45	− 3 39.8	1.930	2.817	10.6	20.2
2 21	11 13.53	− 2 49.6	1.894	2.843	6.9	20.1
3 2	11 5.58	− 1 45.6	1.886	2.868	3.3	19.9
3 12	10 57.50	− 0 33.8	1.907	2.893	3.0	19.9
3 22	10 50.17	+ 0 38.8	1.957	2.918	6.4	20.2
4 1	10 44.33	+ 1 45.8	2.034	2.942	9.8	20.4
4 11	10 40.48	+ 2 42.4	2.135	2.966	12.8	20.7

31020 Skarupa 3 4.9 345.°79 0.°4/ 4.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 21.28	+ 6 4.3	2.701	3.534	9.8	18.5
2 11	11 17.08	+ 6 26.6	2.618	3.530	7.1	18.4
2 21	11 11.54	+ 6 56.0	2.561	3.526	4.1	18.1
3 2	11 5.13	+ 7 29.0	2.533	3.523	0.9	17.9
3 12	10 58.50	+ 8 1.7	2.535	3.520	2.5	18.0
3 22	10 52.28	+ 8 30.5	2.566	3.517	5.7	18.2
4 1	10 47.06	+ 8 52.4	2.624	3.514	8.6	18.4
4 11	10 43.31	+ 9 5.0	2.707	3.512	11.1	18.6

84380 2002 TJ_{138} 3 4.9 85.°59 5.°7/10.2 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 27.53	−10 57.7	1.740	2.516	16.7	19.5
2 11	11 22.21	−11 12.1	1.673	2.533	13.5	19.3
2 21	11 14.73	−11 2.3	1.626	2.549	10.0	19.1
3 2	11 5.89	−10 28.7	1.604	2.565	6.9	19.0
3 12	10 56.76	− 9 35.6	1.609	2.581	5.8	19.0
3 22	10 48.43	− 8 29.7	1.641	2.597	7.8	19.1
4 1	10 41.86	− 7 19.4	1.700	2.613	11.0	19.3
4 11	10 37.64	− 6 12.8	1.780	2.628	14.2	19.6

290128 2005 QD_{150} 3 4.9 83.°90 1.°0/ 4.1 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 26.54	+ 3 42.2	1.324	2.176	16.8	20.4
2 11	11 21.98	+ 4 54.5	1.265	2.186	12.2	20.1
2 21	11 14.79	+ 6 25.7	1.228	2.196	7.0	19.9
3 2	11 5.92	+ 8 6.4	1.217	2.207	1.6	19.6
3 12	10 56.71	+ 9 44.8	1.232	2.217	4.6	19.8
3 22	10 48.52	+11 10.0	1.273	2.227	9.9	20.1
4 1	10 42.48	+12 14.4	1.338	2.237	14.5	20.4
4 11	10 39.26	+12 54.7	1.423	2.247	18.4	20.7

368627 2004 TS_{355} 3 4.9 177.°48 3.°3/29.8 16

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 25.87	+14 46.6	2.553	3.398	9.9	21.5
2 11	11 20.49	+15 54.5	2.482	3.400	7.2	21.4
2 21	11 13.54	+17 5.0	2.439	3.402	4.5	21.2
3 2	11 5.60	+18 12.0	2.426	3.403	3.3	21.1
3 12	10 57.42	+19 9.8	2.443	3.403	5.1	21.2
3 22	10 49.74	+19 54.0	2.489	3.403	7.8	21.4
4 1	10 43.27	+20 22.2	2.561	3.402	10.5	21.6
4 11	10 38.49	+20 34.0	2.656	3.400	12.8	21.7

31954 Georgiebotev 3 4.9 244.°86 1.°7/ 3.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 26.65	+ 6 3.8	1.607	2.455	14.5	18.5
2 11	11 21.94	+ 7 11.1	1.524	2.444	10.6	18.2
2 21	11 14.80	+ 8 33.9	1.464	2.433	6.1	17.9
3 2	11 5.95	+10 4.5	1.432	2.421	1.8	17.6
3 12	10 56.53	+11 33.1	1.428	2.409	4.7	17.8
3 22	10 47.76	+12 50.3	1.450	2.397	9.6	18.0
4 1	10 40.78	+13 49.1	1.498	2.384	14.0	18.3
4 11	10 36.36	+14 26.0	1.565	2.371	17.8	18.5

375319 2008 RK_{82} 3 4.9 323.°30 2.°3/ 6.8 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 25.07	− 0 52.1	1.650	2.478	15.2	20.5
2 11	11 20.71	− 0 52.8	1.564	2.467	11.6	20.2
2 21	11 14.04	− 0 36.7	1.499	2.456	7.5	20.0
3 2	11 5.77	− 0 5.9	1.460	2.446	3.3	19.7
3 12	10 56.96	+ 0 34.3	1.449	2.436	3.5	19.7
3 22	10 48.76	+ 1 17.6	1.463	2.426	7.8	19.9
4 1	10 42.25	+ 1 57.2	1.503	2.417	12.2	20.1
4 11	10 38.17	+ 2 27.6	1.564	2.409	16.0	20.3

354794 2005 UJ_{473} 3 4.9 111.°87 3.°6/ 8.0 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 30.17	− 5 39.4	1.613	2.414	16.7	21.7
2 11	11 24.20	− 5 27.6	1.549	2.433	12.9	21.5
2 21	11 15.91	− 4 53.5	1.507	2.452	8.7	21.3
3 2	11 6.16	− 3 59.9	1.491	2.470	4.7	21.1
3 12	10 56.17	− 2 53.4	1.503	2.487	4.1	21.1
3 22	10 47.11	− 1 42.0	1.543	2.503	7.7	21.4
4 1	10 39.99	− 0 34.1	1.608	2.519	11.7	21.7
4 11	10 35.42	+ 0 23.6	1.696	2.535	15.2	21.9

143073 2002 WD_{17} 3 4.9 114.°55 0.°7/ 4.2 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 27.38	+ 4 42.7	2.069	2.899	12.4	20.2
2 11	11 21.71	+ 5 41.1	2.010	2.921	9.0	20.0
2 21	11 14.27	+ 6 50.1	1.977	2.942	5.1	19.8
3 2	11 5.77	+ 8 3.8	1.973	2.963	1.2	19.6
3 12	10 57.12	+ 9 15.2	1.999	2.982	3.3	19.8
3 22	10 49.21	+10 18.3	2.054	3.001	7.1	20.1
4 1	10 42.80	+11 8.4	2.136	3.020	10.5	20.3
4 11	10 38.37	+11 43.3	2.241	3.037	13.4	20.5

329980 2005 SW_{156} 3 4.9 83.°78 0.°9/ 5.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 26.05	+ 0 10.1	1.826	2.651	14.1	21.1
2 11	11 20.93	+ 0 51.1	1.767	2.671	10.4	20.9
2 21	11 13.89	+ 1 47.8	1.732	2.692	6.3	20.7
3 2	11 5.69	+ 2 55.0	1.724	2.712	2.0	20.5
3 12	10 57.32	+ 4 5.6	1.745	2.732	2.9	20.6
3 22	10 49.76	+ 5 12.5	1.794	2.752	7.1	20.9
4 1	10 43.80	+ 6 9.7	1.870	2.772	10.8	21.2
4 11	10 40.00	+ 6 53.1	1.968	2.791	14.0	21.4

26982 1997 UY_{21} 3 4.9 193.°49 4.°2/10.5 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 24.14	−11 59.0	2.989	3.730	11.2	19.2
2 11	11 19.10	−11 59.2	2.890	3.728	9.1	19.1
2 21	11 12.71	−11 43.7	2.816	3.725	6.9	18.9
3 2	11 5.43	−11 12.9	2.769	3.721	4.9	18.8
3 12	10 57.87	−10 29.0	2.751	3.717	4.2	18.7
3 22	10 50.66	− 9 35.8	2.763	3.712	5.4	18.8
4 1	10 44.40	− 8 37.8	2.804	3.706	7.6	18.9
4 11	10 39.56	− 7 39.9	2.871	3.700	9.9	19.1

173312 1999 VM_{39} 3 4.9 160.°30 1.°2/ 3.8 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 28.41	+ 6 54.7	2.063	2.897	12.3	21.1
2 11	11 22.59	+ 7 40.9	1.991	2.904	8.9	20.9
2 21	11 14.87	+ 8 36.3	1.944	2.910	5.1	20.7
3 2	11 5.94	+ 9 35.2	1.926	2.916	1.4	20.4
3 12	10 56.74	+10 31.3	1.939	2.921	3.6	20.6
3 22	10 48.22	+11 18.8	1.980	2.925	7.5	20.9
4 1	10 41.18	+11 53.6	2.048	2.929	11.1	21.1
4 11	10 36.22	+12 13.8	2.139	2.931	14.1	21.3

315473 2007 YQ_{12} 3 4.9 59.°62 4.°9/ 1.1 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 28.76	+15 38.6	1.506	2.369	14.4	20.5
2 11	11 23.39	+16 40.7	1.450	2.376	10.5	20.3
2 21	11 15.53	+17 45.0	1.418	2.383	6.7	20.0
3 2	11 6.11	+18 42.4	1.412	2.391	4.9	20.0
3 12	10 56.42	+19 23.9	1.434	2.398	7.3	20.1
3 22	10 47.75	+19 44.3	1.480	2.406	11.2	20.4
4 1	10 41.17	+19 41.9	1.549	2.414	14.9	20.6
4 11	10 37.29	+19 18.0	1.638	2.422	18.0	20.8

293176 2006 YR_{52} 3 4.9 339.°10 1.°2/ 5.9 17

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 26.15	+ 0 59.7	1.722	2.552	14.6	20.7
2 11	11 21.33	+ 1 16.6	1.644	2.550	10.9	20.5
2 21	11 14.31	+ 1 48.9	1.589	2.550	6.7	20.2
3 2	11 5.84	+ 2 32.8	1.561	2.549	2.2	20.0
3 12	10 56.97	+ 3 22.3	1.560	2.548	3.1	20.0
3 22	10 48.79	+ 4 10.8	1.587	2.547	7.6	20.3
4 1	10 42.28	+ 4 52.0	1.640	2.547	11.8	20.5
4 11	10 38.11	+ 5 21.5	1.714	2.546	15.4	20.7

15060 1999 AD 3 4.9 83.°78 1.°2/ 5.9 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 27.50	− 0 11.0	1.391	2.227	17.0	17.7
2 11	11 22.58	+ 0 26.5	1.330	2.240	12.7	17.4
2 21	11 15.11	+ 1 24.7	1.290	2.252	7.7	17.2
3 2	11 6.02	+ 2 37.8	1.275	2.264	2.5	16.9
3 12	10 56.62	+ 3 56.5	1.288	2.276	3.5	17.0
3 22	10 48.21	+ 5 11.2	1.327	2.288	8.6	17.3
4 1	10 41.89	+ 6 13.6	1.390	2.300	13.3	17.6
4 11	10 38.31	+ 6 58.7	1.473	2.311	17.1	17.9

192145 2006 FG_{21} 3 4.9 171.°44 0.°7/ 4.2 18

2020	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
2 1	11 26.28	+ 6 23.6	2.251	3.084	11.5	20.6
2 11	11 20.94	+ 6 54.8	2.174	3.086	8.3	20.4
2 21	11 13.88	+ 7 34.3	2.122	3.088	4.8	20.2
3 2	11 5.72	+ 8 17.8	2.099	3.089	1.1	19.9
3 12	10 57.30	+ 9 0.0	2.106	3.090	3.1	20.1
3 22	10 49.43	+ 9 36.2	2.143	3.091	6.8	20.3
4 1	10 42.89	+10 2.8	2.206	3.092	10.2	20.5
4 11	10 38.21	+10 17.4	2.292	3.092	13.0	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
411389	2010 VH_{87}		3 4.9	108.°91	0.°1/ 4.9	18
	h m	° ′			°	m
2 1	11 28.93	+ 4 5.7	1.980	2.807	13.0	21.6
2 11	11 22.90	+ 4 37.7	1.919	2.828	9.5	21.4
2 21	11 14.99	+ 5 20.4	1.884	2.848	5.5	21.2
3 2	11 5.97	+ 6 9.1	1.877	2.867	1.2	20.9
3 12	10 56.79	+ 6 57.6	1.900	2.886	3.0	21.1
3 22	10 48.41	+ 7 40.7	1.952	2.904	7.1	21.4
4 1	10 41.61	+ 8 13.9	2.031	2.922	10.6	21.6
4 11	10 36.93	+ 8 34.7	2.132	2.939	13.6	21.9
458840	2011 UW_{45}		3 4.9	88.°15	3.°0/ 2.7	18
2 1	11 31.49	+11 8.5	1.522	2.375	14.9	21.3
2 11	11 25.18	+11 57.2	1.473	2.395	10.7	21.1
2 21	11 16.46	+12 51.9	1.448	2.416	6.2	20.9
3 2	11 6.32	+13 44.6	1.450	2.436	3.0	20.7
3 12	10 56.06	+14 27.1	1.480	2.456	5.5	21.0
3 22	10 46.94	+14 54.0	1.536	2.476	9.8	21.2
4 1	10 39.94	+15 2.7	1.617	2.495	13.6	21.5
4 11	10 35.63	+14 53.3	1.718	2.514	16.8	21.8
373499	2000 YT_{16}		3 4.9	103.°35	14.°2/14.4	18
2 1	11 36.18	−22 7.1	1.231	1.962	24.5	20.7
2 11	11 29.71	−24 0.9	1.171	1.977	21.6	20.5
2 21	11 19.69	−25 17.2	1.127	1.991	18.4	20.3
3 2	11 7.17	−25 47.5	1.101	2.005	15.7	20.2
3 12	10 53.91	−25 29.3	1.097	2.019	14.3	20.1
3 22	10 41.83	−24 28.5	1.114	2.032	14.8	20.2
4 1	10 32.59	−22 58.2	1.152	2.045	16.8	20.4
4 11	10 27.13	−21 15.0	1.209	2.057	19.5	20.6
49368	1998 WN_{19}		3 4.9	96.°97	5.°9/10.8	18
2 1	11 29.64	−12 43.4	1.985	2.738	15.7	18.6
2 11	11 23.49	−13 3.2	1.920	2.763	12.8	18.5
2 21	11 15.38	−13 0.3	1.878	2.788	9.7	18.3
3 2	11 6.08	−12 35.0	1.861	2.812	7.0	18.2
3 12	10 56.57	−11 50.5	1.871	2.836	5.9	18.2
3 22	10 47.86	−10 52.7	1.910	2.859	7.5	18.3
4 1	10 40.78	− 9 48.9	1.976	2.882	10.1	18.5
4 11	10 35.88	− 8 46.3	2.065	2.904	12.9	18.7
14230	Mariahines		3 4.9	350.°81	2.°9/ 6.8	18
2 1	11 27.13	− 1 1.4	1.175	2.019	19.0	17.5
2 11	11 22.90	− 1 9.7	1.104	2.016	14.5	17.3
2 21	11 15.62	− 0 55.9	1.053	2.013	9.4	17.0
3 2	11 6.21	− 0 22.5	1.025	2.011	4.1	16.6
3 12	10 56.17	+ 0 23.7	1.021	2.009	4.3	16.6
3 22	10 47.10	+ 1 13.5	1.042	2.008	9.6	16.9
4 1	10 40.41	+ 1 57.9	1.084	2.008	14.9	17.2
4 11	10 36.96	+ 2 29.6	1.146	2.008	19.4	17.5
175433	2006 QS_{25}		3 4.9	104.°79	1.°5/ 3.3	18
2 1	11 25.24	+ 9 26.6	2.556	3.392	10.1	20.5
2 11	11 19.92	+10 1.7	2.493	3.408	7.3	20.4
2 21	11 13.16	+10 41.6	2.458	3.424	4.1	20.2
3 2	11 5.55	+11 22.0	2.452	3.440	1.5	20.0
3 12	10 57.81	+11 58.4	2.476	3.456	3.3	20.2
3 22	10 50.64	+12 27.1	2.530	3.471	6.4	20.4
4 1	10 44.65	+12 45.5	2.611	3.486	9.2	20.6
4 11	10 40.30	+12 52.5	2.716	3.500	11.6	20.8
473123	2015 JS_{2}		3 4.9	261.°09	2.°7/ 1.5	17
2 1	11 22.90	+12 38.9	2.633	3.479	9.6	21.2
2 11	11 18.42	+13 40.4	2.542	3.461	6.9	21.0
2 21	11 12.43	+14 46.7	2.478	3.444	4.2	20.8
3 2	11 5.41	+15 52.5	2.444	3.426	2.7	20.7
3 12	10 58.05	+16 52.2	2.440	3.408	4.5	20.8
3 22	10 51.07	+17 41.1	2.465	3.390	7.4	20.9
4 1	10 45.13	+18 16.0	2.517	3.371	10.2	21.1
4 11	10 40.77	+18 35.3	2.591	3.352	12.7	21.2
136814	1997 HB_{3}		3 4.9	290.°65	0.°4/ 5.3	17
2 1	11 25.94	+ 2 37.7	1.595	2.434	15.0	20.9
2 11	11 21.51	+ 3 4.8	1.504	2.417	11.2	20.6
2 21	11 14.63	+ 3 48.3	1.436	2.400	6.8	20.3
3 2	11 5.98	+ 4 43.9	1.393	2.383	1.8	19.9
3 12	10 56.68	+ 5 44.2	1.378	2.365	3.5	20.0
3 22	10 47.97	+ 6 41.5	1.390	2.348	8.6	20.3
4 1	10 40.99	+ 7 28.4	1.426	2.331	13.3	20.5
4 11	10 36.58	+ 8 0.0	1.483	2.314	17.4	20.7
384926	2012 TL_{87}		3 4.9	175.°78	0.°7/ 4.2	17
2 1	11 24.59	+ 6 17.8	2.503	3.334	10.5	21.5
2 11	11 19.58	+ 6 50.4	2.424	3.335	7.6	21.3
2 21	11 13.05	+ 7 30.7	2.371	3.336	4.4	21.1
3 2	11 5.55	+ 8 14.7	2.347	3.337	1.0	20.8
3 12	10 57.81	+ 8 57.6	2.354	3.338	2.8	21.0
3 22	10 50.55	+ 9 35.2	2.390	3.338	6.2	21.2
4 1	10 44.45	+10 4.0	2.453	3.338	9.3	21.4
4 11	10 40.00	+10 21.8	2.540	3.337	12.0	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
283465	2001 QD_{111}		3 4.9	228.°11	7.°0/13.9	18
	h m	° ′			°	m
2 1	11 27.10	−22 56.8	3.228	3.880	12.0	21.4
2 11	11 21.37	−23 37.1	3.114	3.866	10.6	21.3
2 21	11 14.14	−23 59.8	3.022	3.850	9.1	21.1
3 2	11 5.83	−24 2.8	2.954	3.835	7.7	21.0
3 12	10 57.09	−23 46.0	2.913	3.818	7.1	21.0
3 22	10 48.60	−23 11.5	2.900	3.801	7.4	20.9
4 1	10 41.01	−22 22.9	2.915	3.783	8.6	21.0
4 11	10 34.88	−21 25.5	2.955	3.764	10.2	21.1
425212	2009 VW_{48}		3 4.9	164.°91	3.°3/ 1.5	17
2 1	11 25.63	+13 2.1	2.038	2.890	11.7	21.5
2 11	11 20.66	+14 7.3	1.970	2.891	8.5	21.3
2 21	11 13.80	+15 17.3	1.927	2.893	5.1	21.1
3 2	11 5.74	+16 24.8	1.913	2.895	3.3	20.9
3 12	10 57.40	+17 22.9	1.928	2.896	5.4	21.1
3 22	10 49.70	+18 6.2	1.971	2.897	8.8	21.3
4 1	10 43.47	+18 31.6	2.039	2.898	12.0	21.5
4 11	10 39.28	+18 38.5	2.127	2.899	14.8	21.7
85740	1998 SO_{106}		3 4.9	178.°22	0.°7/ 5.7	18
2 1	11 28.60	+ 0 32.0	1.855	2.675	14.1	20.5
2 11	11 22.99	+ 1 17.6	1.775	2.678	10.5	20.3
2 21	11 15.25	+ 2 19.8	1.719	2.679	6.3	20.0
3 2	11 6.10	+ 3 33.8	1.692	2.680	1.9	19.7
3 12	10 56.55	+ 4 52.2	1.693	2.680	3.1	19.8
3 22	10 47.68	+ 6 7.2	1.724	2.680	7.5	20.1
4 1	10 40.42	+ 7 12.0	1.781	2.678	11.6	20.3
4 11	10 35.44	+ 8 2.1	1.861	2.676	15.0	20.5
210188	2006 VE_{137}		3 4.9	220.°33	0.°3/ 4.6	17
2 1	11 23.52	+ 5 17.0	2.826	3.651	9.6	22.0
2 11	11 18.70	+ 5 48.1	2.735	3.643	7.0	21.8
2 21	11 12.52	+ 6 27.0	2.671	3.635	4.1	21.6
3 2	11 5.44	+ 7 10.1	2.637	3.627	0.9	21.3
3 12	10 58.09	+ 7 53.4	2.633	3.618	2.5	21.5
3 22	10 51.12	+ 8 33.0	2.660	3.609	5.6	21.7
4 1	10 45.13	+ 9 5.4	2.714	3.599	8.5	21.8
4 11	10 40.59	+ 9 28.3	2.793	3.590	11.0	22.0
253404	2003 PF_{7}		3 4.9	199.°75	0.°5/ 4.5	18
2 1	11 27.45	+ 3 59.0	1.927	2.758	13.2	21.0
2 11	11 22.13	+ 4 50.6	1.845	2.755	9.7	20.8
2 21	11 14.75	+ 5 55.6	1.787	2.751	5.6	20.5
3 2	11 5.99	+ 7 8.7	1.757	2.747	1.2	20.2
3 12	10 56.81	+ 8 22.3	1.757	2.742	3.4	20.3
3 22	10 48.23	+ 9 29.4	1.785	2.736	7.8	20.6
4 1	10 41.19	+10 24.0	1.840	2.729	11.7	20.8
4 11	10 36.32	+11 2.6	1.917	2.722	15.0	21.0
362731	2011 UW_{282}		3 4.9	271.°10	3.°7/ 8.1	18
2 1	11 25.24	− 6 0.1	1.545	2.357	16.8	20.6
2 11	11 21.03	− 5 42.2	1.457	2.347	13.2	20.3
2 21	11 14.35	− 4 58.9	1.390	2.337	9.1	20.1
3 2	11 5.93	− 3 52.5	1.348	2.327	4.9	19.8
3 12	10 56.89	− 2 29.0	1.332	2.317	4.2	19.7
3 22	10 48.48	− 0 57.9	1.343	2.307	8.2	19.9
4 1	10 41.87	+ 0 30.6	1.378	2.296	12.7	20.2
4 11	10 37.85	+ 1 47.6	1.436	2.286	16.8	20.4
181861	1998 XS_{33}		3 4.9	199.°67	0.°7/ 4.3	18
2 1	11 27.85	+ 5 48.7	2.120	2.951	12.1	19.6
2 11	11 22.24	+ 6 23.7	2.037	2.948	8.9	19.4
2 21	11 14.74	+ 7 8.5	1.979	2.944	5.1	19.2
3 2	11 5.97	+ 7 58.4	1.950	2.940	1.2	18.9
3 12	10 56.85	+ 8 47.5	1.951	2.935	3.3	19.0
3 22	10 48.30	+ 9 30.6	1.980	2.929	7.2	19.2
4 1	10 41.16	+10 3.1	2.037	2.923	10.9	19.5
4 11	10 36.04	+10 22.6	2.116	2.916	14.0	19.6
437539	2013 YF_{119}		3 4.9	62.°57	6.°4/25.8	18
2 1	11 23.48	+22 42.9	2.147	3.006	10.9	20.4
2 11	11 19.10	+24 28.9	2.095	3.011	8.4	20.3
2 21	11 12.90	+26 11.6	2.070	3.015	6.6	20.2
3 2	11 5.53	+27 42.2	2.073	3.020	6.7	20.2
3 12	10 57.91	+28 53.2	2.103	3.025	8.5	20.3
3 22	10 50.93	+29 40.4	2.160	3.029	10.9	20.5
4 1	10 45.38	+30 2.6	2.239	3.034	13.3	20.6
4 11	10 41.81	+30 1.3	2.337	3.039	15.4	20.8
274066	2007 TB_{287}		3 4.9	285.°40	0.°3/ 4.7	17
2 1	11 24.91	+ 4 17.9	2.018	2.852	12.5	21.7
2 11	11 20.37	+ 4 55.6	1.915	2.827	9.3	21.5
2 21	11 13.81	+ 5 46.2	1.835	2.800	5.5	21.2
3 2	11 5.80	+ 6 45.4	1.784	2.774	1.2	20.8
3 12	10 57.20	+ 7 47.0	1.762	2.747	3.3	20.9
3 22	10 48.99	+ 8 44.3	1.768	2.720	7.6	21.2
4 1	10 42.12	+ 9 31.6	1.800	2.693	11.7	21.3
4 11	10 37.30	+10 4.7	1.854	2.666	15.2	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
495841	2001 XD_{15}		3 4.9	135.°28	5.°7/27.0	18
	h m	° ′			°	m
2 1	11 27.36	+21 7.1	2.242	3.093	10.8	21.5
2 11	11 21.76	+22 46.3	2.193	3.107	8.2	21.3
2 21	11 14.37	+24 22.7	2.172	3.121	6.1	21.2
3 2	11 5.87	+25 48.1	2.179	3.134	5.9	21.2
3 12	10 57.17	+26 55.5	2.216	3.146	7.6	21.4
3 22	10 49.17	+27 40.9	2.280	3.157	10.1	21.5
4 1	10 42.63	+28 3.3	2.368	3.168	12.5	21.7
4 11	10 38.09	+28 4.1	2.475	3.179	14.6	21.9
422193	2014 RS_{41}		3 4.9	146.°66	0.°1/ 5.1	18
2 1	11 28.52	+ 3 11.2	2.029	2.853	12.9	21.9
2 11	11 22.69	+ 3 46.4	1.957	2.863	9.5	21.7
2 21	11 14.95	+ 4 33.4	1.911	2.873	5.6	21.4
3 2	11 6.02	+ 5 27.7	1.893	2.882	1.3	21.2
3 12	10 56.83	+ 6 23.3	1.905	2.891	2.9	21.3
3 22	10 48.33	+ 7 14.1	1.946	2.899	7.0	21.6
4 1	10 41.34	+ 7 55.4	2.014	2.906	10.7	21.8
4 11	10 36.44	+ 8 24.2	2.105	2.912	13.8	22.0
178626	2000 GT_{68}		3 4.9	236.°69	2.°8/ 2.5	18
2 1	11 27.79	+11 23.3	1.837	2.687	12.9	20.5
2 11	11 22.47	+12 10.1	1.760	2.681	9.3	20.3
2 21	11 14.98	+13 3.4	1.708	2.675	5.5	20.0
3 2	11 6.05	+13 56.4	1.684	2.670	2.8	19.9
3 12	10 56.72	+14 41.9	1.688	2.663	5.1	20.0
3 22	10 48.07	+15 14.3	1.720	2.657	9.1	20.2
4 1	10 41.07	+15 29.9	1.776	2.651	12.8	20.4
4 11	10 36.39	+15 27.9	1.854	2.644	16.0	20.6
307245	2002 JK_{125}		3 4.9	339.°06	2.°2/ 3.5	18
2 1	11 29.69	+ 9 44.6	1.411	2.268	15.6	19.9
2 11	11 24.35	+10 8.7	1.341	2.265	11.4	19.6
2 21	11 16.27	+10 41.4	1.293	2.262	6.6	19.3
3 2	11 6.37	+11 15.7	1.271	2.260	2.4	19.1
3 12	10 56.00	+11 43.9	1.275	2.257	5.1	19.2
3 22	10 46.57	+11 59.8	1.306	2.255	10.1	19.5
4 1	10 39.30	+11 59.7	1.359	2.254	14.6	19.8
4 11	10 34.93	+11 42.5	1.432	2.252	18.5	20.0
71033	1999 XU_{70}		3 4.9	120.°26	0.°4/ 5.4	18
2 1	11 24.97	+ 2 17.0	2.112	2.938	12.4	19.4
2 11	11 20.07	+ 2 49.1	2.039	2.945	9.1	19.2
2 21	11 13.43	+ 3 33.3	1.990	2.951	5.4	19.0
3 2	11 5.67	+ 4 25.7	1.968	2.958	1.5	18.7
3 12	10 57.66	+ 5 20.4	1.977	2.964	2.7	18.8
3 22	10 50.25	+ 6 11.9	2.014	2.970	6.6	19.1
4 1	10 44.20	+ 6 55.2	2.078	2.976	10.1	19.3
4 11	10 40.06	+ 7 27.0	2.165	2.982	13.1	19.5
129806	1999 KL_{11}		3 4.9	260.°32	1.°7/ 3.5	16
2 1	11 27.29	+ 7 3.7	1.668	2.515	14.1	20.7
2 11	11 22.42	+ 7 57.9	1.579	2.499	10.3	20.4
2 21	11 15.14	+ 9 5.4	1.515	2.483	6.0	20.1
3 2	11 6.13	+10 19.3	1.477	2.466	1.9	19.8
3 12	10 56.50	+11 31.0	1.467	2.449	4.6	20.0
3 22	10 47.46	+12 32.2	1.485	2.432	9.4	20.2
4 1	10 40.14	+13 16.7	1.527	2.414	13.8	20.4
4 11	10 35.35	+13 41.4	1.590	2.396	17.5	20.6
418281	2008 EC_{113}		3 4.9	328.°18	4.°7/ 9.7	16
2 1	11 21.99	−10 33.3	1.637	2.429	16.9	21.7
2 11	11 18.48	− 9 57.8	1.551	2.425	13.6	21.5
2 21	11 12.77	− 8 52.8	1.486	2.421	9.8	21.2
3 2	11 5.56	− 7 20.1	1.446	2.417	6.1	21.0
3 12	10 57.88	− 5 26.6	1.432	2.413	4.8	20.9
3 22	10 50.84	− 3 22.7	1.446	2.410	7.7	21.1
4 1	10 45.44	− 1 20.2	1.485	2.407	11.7	21.3
4 11	10 42.40	+ 0 30.6	1.548	2.404	15.5	21.5
350606	2001 SK_{11}		3 4.9	81.°90	2.°0/ 6.4	18
2 1	11 33.89	+ 0 3.5	1.430	2.255	17.2	21.2
2 11	11 27.00	+ 0 1.7	1.380	2.282	12.9	20.9
2 21	11 17.57	+ 0 17.4	1.351	2.309	8.0	20.7
3 2	11 6.63	+ 0 46.5	1.348	2.335	3.1	20.5
3 12	10 55.58	+ 1 22.9	1.373	2.360	3.6	20.6
3 22	10 45.77	+ 1 59.4	1.425	2.386	8.3	20.9
4 1	10 38.23	+ 2 29.9	1.503	2.410	12.6	21.2
4 11	10 33.54	+ 2 50.0	1.601	2.435	16.2	21.5
12932	Conedera		3 4.9	174.°14	1.°3/ 3.7	18
2 1	11 28.01	+ 7 3.6	2.072	2.907	12.2	19.4
2 11	11 22.36	+ 7 55.3	1.997	2.911	8.9	19.2
2 21	11 14.80	+ 8 56.4	1.947	2.913	5.1	19.0
3 2	11 6.00	+10 1.1	1.926	2.915	1.5	18.7
3 12	10 56.90	+11 2.9	1.935	2.917	3.8	18.9
3 22	10 48.43	+11 55.6	1.973	2.917	7.6	19.1
4 1	10 41.42	+12 35.0	2.038	2.917	11.2	19.4
4 11	10 36.47	+12 58.9	2.125	2.916	14.2	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V	
456838	2007 UU_4		3 4.9	96.°81	0.°7/ 5.6	18	
	h m	° ′			°	m	
2 1	11 29.68	+ 1 55.1	1.647	2.476	15.1	21.9	
2 11	11 23.78	+ 2 22.8	1.588	2.496	11.2	21.7	
2 21	11 15.66	+ 3 5.3	1.553	2.515	6.7	21.5	
3 2	11 6.19	+ 3 57.6	1.545	2.534	1.9	21.2	
3 12	10 56.54	+ 4 52.5	1.565	2.552	3.2	21.3	
3 22	10 47.82	+ 5 43.2	1.613	2.571	7.8	21.6	
4 1	10 40.99	+ 6 23.8	1.687	2.588	11.9	21.9	
4 11	10 36.62	+ 6 50.9	1.782	2.605	15.2	22.2	
394372	2007 DZ_{56}		3 4.9	150.°00	0.°7/ 4.4	18	
2 1	11 29.87	+ 4 12.5	1.703	2.537	14.5	22.0	
2 11	11 23.99	+ 5 7.8	1.635	2.547	10.6	21.8	
2 21	11 15.85	+ 6 17.1	1.592	2.557	6.1	21.5	
3 2	11 6.25	+ 7 33.7	1.575	2.565	1.4	21.2	
3 12	10 56.34	+ 8 49.3	1.589	2.573	3.8	21.4	
3 22	10 47.27	+ 9 55.9	1.630	2.580	8.4	21.7	
4 1	10 40.01	+10 47.8	1.697	2.586	12.5	22.0	
4 11	10 35.21	+11 21.9	1.786	2.591	15.9	22.2	
203462	2001 YM_{124}		3 4.9	142.°63	3.°2/ 7.5	18	
2 1	11 30.36	− 3 45.1	1.707	2.513	15.7	20.0	
2 11	11 24.39	− 3 46.5	1.633	2.521	12.2	19.8	
2 21	11 16.11	− 3 29.1	1.581	2.529	8.1	19.6	
3 2	11 6.33	− 2 54.8	1.556	2.537	4.2	19.4	
3 12	10 56.17	− 2 8.9	1.559	2.544	3.8	19.3	
3 22	10 46.81	− 1 17.9	1.590	2.550	7.6	19.6	
4 1	10 39.26	− 0 28.8	1.647	2.556	11.6	19.8	
4 11	10 34.20	+ 0 12.4	1.726	2.561	15.1	20.1	
80229	1999 VA_{171}		3 4.9	179.°06	0.°3/ 4.7	18	
2 1	11 31.35	+ 4 28.4	1.752	2.582	14.3	20.6	
2 11	11 25.11	+ 5 1.8	1.675	2.585	10.5	20.3	
2 21	11 16.55	+ 5 47.9	1.622	2.586	6.1	20.1	
3 2	11 6.44	+ 6 41.4	1.597	2.587	1.4	19.8	
3 12	10 55.92	+ 7 35.3	1.601	2.587	3.6	19.9	
3 22	10 46.16	+ 8 22.9	1.634	2.586	8.2	20.2	
4 1	10 38.20	+ 8 58.8	1.692	2.584	12.4	20.4	
4 11	10 32.74	+ 9 19.9	1.773	2.581	15.9	20.7	
227820	2007 BL_{101}		3 4.9	207.°26	1.°0/ 4.0	17	
2 1	11 26.69	+ 6 48.7	2.100	2.936	12.0	21.3	
2 11	11 21.42	+ 7 25.9	2.019	2.933	8.8	21.1	
2 21	11 14.28	+ 8 12.1	1.963	2.929	5.0	20.8	
3 2	11 5.90	+ 9 2.5	1.935	2.925	1.3	20.5	
3 12	10 57.18	+ 9 51.2	1.937	2.920	3.5	20.7	
3 22	10 49.02	+10 32.7	1.968	2.915	7.4	20.9	
4 1	10 42.27	+11 2.9	2.025	2.910	11.0	21.1	
4 11	10 37.51	+11 19.4	2.105	2.904	14.0	21.3	
363012	1988 PH_4		3 5.0	185.°82	0.°8/ 6.2	17	
2 1	11 25.61	− 0 19.0	2.951	3.751	9.9	22.5	
2 11	11 20.15	+ 0 21.9	2.860	3.751	7.4	22.3	
2 21	11 13.35	+ 1 13.9	2.795	3.750	4.6	22.1	
3 2	11 5.66	+ 2 13.9	2.761	3.748	1.6	21.9	
3 12	10 57.73	+ 3 17.7	2.758	3.745	2.1	21.9	
3 22	10 50.18	+ 4 20.8	2.787	3.741	5.1	22.1	
4 1	10 43.61	+ 5 18.8	2.846	3.737	8.0	22.3	
4 11	10 38.47	+ 6 8.4	2.930	3.731	10.4	22.5	
23668	Eunbekim		3 5.0	351.°23	0.°6/ 4.6	18	R
2 1	11 25.97	+ 5 42.6	1.299	2.158	16.6	18.3	
2 11	11 21.80	+ 6 2.1	1.229	2.153	12.2	18.0	
2 21	11 14.88	+ 6 35.8	1.180	2.149	7.1	17.7	
3 2	11 6.08	+ 7 17.7	1.155	2.146	1.6	17.4	
3 12	10 56.77	+ 7 59.6	1.156	2.143	4.3	17.6	
3 22	10 48.37	+ 8 33.7	1.182	2.141	9.7	17.9	
4 1	10 42.12	+ 8 53.9	1.231	2.141	14.6	18.1	
4 11	10 38.81	+ 8 57.1	1.299	2.141	18.8	18.4	
225611	2000 YY_{77}		3 5.0	128.°70	3.°4/ 8.7	18	
2 1	11 26.50	− 6 52.5	2.286	3.066	13.0	20.5	
2 11	11 21.07	− 6 48.5	2.209	3.079	10.2	20.3	
2 21	11 13.97	− 6 27.7	2.157	3.092	7.1	20.1	
3 2	11 5.82	− 5 51.7	2.131	3.104	4.3	20.0	
3 12	10 57.42	− 5 4.4	2.135	3.115	3.7	20.0	
3 22	10 49.61	− 4 10.8	2.169	3.126	6.1	20.1	
4 1	10 43.11	− 3 16.7	2.230	3.137	9.1	20.3	
4 11	10 38.44	− 2 27.1	2.315	3.147	11.9	20.5	
87046	2000 KT_{12}		3 5.0	131.°09	3.°6/ 8.0	18	
2 1	11 28.55	− 5 33.0	1.609	2.415	16.6	19.8	
2 11	11 23.19	− 5 23.9	1.537	2.423	12.9	19.6	
2 21	11 15.47	− 4 52.4	1.486	2.431	8.7	19.4	
3 2	11 6.20	− 4 0.9	1.461	2.439	4.8	19.2	
3 12	10 56.55	− 2 55.4	1.463	2.447	4.2	19.1	
3 22	10 47.71	− 1 44.0	1.492	2.454	7.8	19.4	
4 1	10 40.74	− 0 35.2	1.547	2.461	11.9	19.6	
4 11	10 36.31	+ 0 23.8	1.624	2.467	15.6	19.9	