378361 2007 LA_{14} 3 20.9 106°.55 14°.1/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 27.54	−33 56.0	1.293	1.947	26.9	21.1
2 21	12 25.60	−35 1.3	1.218	1.956	24.6	20.9
3 2	12 19.96	−35 24.6	1.154	1.965	21.8	20.7
3 12	12 11.29	−34 56.7	1.104	1.974	18.7	20.5
3 22	12 0.93	−33 32.9	1.071	1.983	15.9	20.4
4 1	11 50.70	−31 16.2	1.059	1.991	14.2	20.3
4 11	11 42.41	−28 20.6	1.069	2.000	14.6	20.4
4 21	11 37.25	−25 6.3	1.101	2.007	16.8	20.5

380071 2013 ST_{29} 3 20.9 143°.07 1°.6/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.70	+ 1 46.7	2.147	2.936	13.5	21.3
2 21	12 22.78	+ 2 23.3	2.063	2.942	10.6	21.1
3 2	12 16.83	+ 3 10.3	2.003	2.948	7.1	20.9
3 12	12 9.38	+ 4 3.1	1.969	2.953	3.4	20.7
3 22	12 1.18	+ 4 56.1	1.964	2.958	1.9	20.6
4 1	11 53.09	+ 5 43.4	1.989	2.962	5.3	20.8
4 11	11 45.98	+ 6 20.2	2.040	2.966	8.9	21.0
4 21	11 40.48	+ 6 43.3	2.117	2.970	12.1	21.2

18560 Coxeter 3 20.9 268°.44 2°.3/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.86	− 8 57.8	2.579	3.318	12.8	18.1
2 21	12 22.01	− 9 8.2	2.462	3.302	10.5	17.9
3 2	12 16.31	− 9 5.6	2.368	3.285	7.8	17.7
3 12	12 9.18	− 8 50.5	2.300	3.268	4.7	17.5
3 22	12 1.19	− 8 25.0	2.261	3.251	2.4	17.3
4 1	11 53.10	− 7 52.3	2.251	3.233	3.9	17.4
4 11	11 45.69	− 7 16.8	2.269	3.216	7.0	17.5
4 21	11 39.61	− 6 43.0	2.315	3.198	10.1	17.7

172428 2003 PX_{9} 3 20.9 235°.93 2°.7/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.18	−10 50.7	1.916	2.665	16.4	21.0
2 21	12 23.74	−10 36.9	1.808	2.653	13.5	20.8
3 2	12 17.87	−10 1.7	1.720	2.640	10.0	20.5
3 12	12 10.05	− 9 6.0	1.657	2.626	6.0	20.3
3 22	12 1.08	− 7 53.4	1.620	2.611	2.8	20.0
4 1	11 52.00	− 6 30.4	1.612	2.597	4.8	20.1
4 11	11 43.89	− 5 5.6	1.632	2.581	9.0	20.3
4 21	11 37.62	− 3 47.4	1.677	2.565	13.0	20.5

2111 Tselina 3 20.9 131°.44 1°.0/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.09	− 0 52.6	2.419	3.201	12.4	15.6
2 21	12 19.74	− 0 0.1	2.333	3.207	9.7	15.5
3 2	12 14.65	+ 1 4.3	2.271	3.214	6.5	15.3
3 12	12 8.30	+ 2 16.1	2.237	3.220	3.0	15.0
3 22	12 1.31	+ 3 30.0	2.232	3.226	1.3	14.9
4 1	11 54.42	+ 4 40.0	2.257	3.232	4.6	15.2
4 11	11 48.34	+ 5 40.5	2.310	3.238	7.9	15.4
4 21	11 43.62	+ 6 28.0	2.389	3.243	10.9	15.6

78043 2002 JU_{113} 3 20.9 256°.39 7°.7/28.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.68	−22 4.2	1.772	2.470	19.2	19.9
2 21	12 22.95	−22 34.3	1.669	2.460	16.8	19.7
3 2	12 17.56	−22 37.1	1.582	2.451	13.9	19.4
3 12	12 9.98	−22 9.2	1.515	2.441	10.8	19.2
3 22	12 1.10	−21 10.1	1.472	2.430	8.3	19.0
4 1	11 52.09	−19 43.6	1.455	2.420	7.9	19.0
4 11	11 44.18	−17 58.8	1.463	2.409	10.1	19.1
4 21	11 38.36	−16 7.0	1.496	2.399	13.4	19.3

502207 2015 BZ_{75} 3 20.9 132°.88 5°.4/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.19	+13 37.5	2.249	3.057	12.4	21.8
2 21	12 23.05	+14 55.7	2.183	3.069	9.7	21.7
3 2	12 16.93	+16 16.0	2.141	3.080	7.1	21.5
3 12	12 9.40	+17 30.9	2.127	3.090	5.5	21.4
3 22	12 1.20	+18 33.6	2.142	3.100	6.1	21.5
4 1	11 53.19	+19 18.5	2.185	3.110	8.3	21.6
4 11	11 46.19	+19 42.7	2.253	3.119	10.9	21.8
4 21	11 40.78	+19 46.1	2.344	3.128	13.3	22.0

188046 2001 VP_{24} 3 20.9 142°.61 5°.2/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.55	−18 49.0	2.097	2.799	16.5	20.1
2 21	12 22.15	−18 51.7	2.003	2.805	14.0	19.9
3 2	12 16.56	−18 31.1	1.928	2.811	11.1	19.8
3 12	12 9.32	−17 46.5	1.876	2.816	8.0	19.6
3 22	12 1.20	−16 40.0	1.851	2.821	5.6	19.4
4 1	11 53.15	−15 16.9	1.853	2.826	5.6	19.4
4 11	11 46.11	−13 45.0	1.883	2.831	8.1	19.6
4 21	11 40.78	−12 12.8	1.939	2.835	11.1	19.8

347242 2011 JD_{25} 3 20.9 201°.60 0°.7/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.49	− 2 25.1	1.460	2.260	18.3	21.1
2 21	12 25.32	− 1 48.3	1.376	2.258	14.5	20.9
3 2	12 19.20	− 0 51.6	1.311	2.256	10.0	20.6
3 12	12 10.76	+ 0 20.1	1.271	2.254	4.7	20.3
3 22	12 1.04	+ 1 39.0	1.256	2.252	1.1	20.0
4 1	11 51.38	+ 2 54.9	1.268	2.249	6.5	20.4
4 11	11 43.12	+ 3 58.5	1.306	2.246	11.6	20.6
4 21	11 37.23	+ 4 43.6	1.365	2.242	16.1	20.9

182838 2002 CG_{15} 3 20.9 87°.13 1°.9/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 25.60	− 7 56.3	2.471	3.218	13.1	21.0
2 21	12 21.68	− 8 1.0	2.381	3.227	10.6	20.8
3 2	12 15.97	− 7 52.5	2.314	3.235	7.7	20.6
3 12	12 8.95	− 7 32.1	2.273	3.244	4.5	20.4
3 22	12 1.26	− 7 2.5	2.261	3.253	2.0	20.3
4 1	11 53.65	− 6 27.6	2.278	3.261	3.7	20.4
4 11	11 46.88	− 5 52.1	2.324	3.270	6.9	20.6
4 21	11 41.49	− 5 20.0	2.395	3.279	9.8	20.8

431877 2008 SU_{191} 3 20.9 232°.22 3°.6/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.91	+ 9 35.2	2.406	3.200	12.1	22.0
2 21	12 25.21	+10 11.8	2.307	3.188	9.5	21.8
3 2	12 18.48	+10 52.6	2.233	3.175	6.6	21.6
3 12	12 10.22	+11 32.6	2.186	3.162	4.1	21.4
3 22	12 1.11	+12 6.5	2.169	3.149	4.0	21.3
4 1	11 52.01	+12 29.4	2.181	3.134	6.6	21.5
4 11	11 43.77	+12 37.9	2.221	3.120	9.7	21.6
4 21	11 37.05	+12 30.8	2.285	3.105	12.5	21.8

500942 2013 QK_{2} 3 20.9 221°.04 0°.5/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.81	− 5 15.9	2.401	3.159	13.2	23.5
2 21	12 22.84	− 4 43.1	2.291	3.148	10.5	23.3
3 2	12 16.91	− 3 55.3	2.204	3.136	7.4	23.0
3 12	12 9.48	− 2 55.3	2.144	3.123	3.8	22.8
3 22	12 1.19	− 1 47.5	2.114	3.110	0.5	22.5
4 1	11 52.85	− 0 37.5	2.113	3.095	4.1	22.8
4 11	11 45.29	+ 0 28.4	2.142	3.080	7.9	23.0
4 21	11 39.16	+ 1 25.1	2.198	3.065	11.2	23.1

168467 1999 JW_{127} 3 20.9 347°.70 5°.5/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.26	+13 44.3	1.896	2.712	14.1	19.4
2 21	12 24.37	+14 21.5	1.817	2.708	11.1	19.2
3 2	12 18.10	+15 0.0	1.761	2.704	8.1	19.0
3 12	12 10.07	+15 32.8	1.731	2.700	5.8	18.8
3 22	12 1.14	+15 53.4	1.727	2.697	6.0	18.8
4 1	11 52.36	+15 56.6	1.750	2.695	8.6	19.0
4 11	11 44.75	+15 40.1	1.799	2.692	11.8	19.1
4 21	11 39.05	+15 4.3	1.869	2.691	14.8	19.3

165542 2001 DY_{22} 3 21.0 107°.54 0°.6/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.92	− 1 10.3	1.771	2.555	16.2	20.3
2 21	12 26.41	− 0 44.6	1.699	2.573	12.7	20.1
3 2	12 19.44	− 0 5.0	1.649	2.591	8.6	19.8
3 12	12 10.68	+ 0 44.0	1.625	2.608	4.1	19.6
3 22	12 1.09	+ 1 36.2	1.628	2.624	0.9	19.4
4 1	11 51.77	+ 2 25.0	1.661	2.640	5.4	19.8
4 11	11 43.76	+ 3 4.2	1.720	2.656	9.6	20.0
4 21	11 37.77	+ 3 30.0	1.803	2.671	13.3	20.3

200564 2001 OX_{40} 3 21.0 169°.40 5°.8/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.07	+11 57.9	1.804	2.614	14.9	20.8
2 21	12 27.45	+13 11.4	1.731	2.618	11.8	20.6
3 2	12 20.25	+14 29.7	1.680	2.622	8.4	20.4
3 12	12 11.12	+15 43.9	1.656	2.625	6.0	20.3
3 22	12 1.04	+16 45.3	1.659	2.627	6.5	20.3
4 1	11 51.14	+17 26.6	1.691	2.629	9.4	20.5
4 11	11 42.55	+17 44.0	1.747	2.630	12.7	20.7
4 21	11 36.05	+17 37.5	1.824	2.630	15.8	20.9

265346 2004 RH_{25} 3 21.0 218°.20 0°.7/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.35	− 5 8.3	2.229	2.993	13.9	21.7
2 21	12 22.60	− 4 47.5	2.127	2.987	11.1	21.5
3 2	12 16.80	− 4 12.0	2.047	2.980	7.8	21.3
3 12	12 9.45	− 3 24.4	1.994	2.972	4.0	21.0
3 22	12 1.22	− 2 28.8	1.969	2.965	0.7	20.8
4 1	11 52.98	− 1 30.7	1.973	2.956	4.2	21.0
4 11	11 45.60	− 0 36.3	2.006	2.948	8.1	21.2
4 21	11 39.76	+ 0 9.5	2.065	2.939	11.5	21.4

162605 2000 ST_{74} 3 21.0 182°.06 0°.8/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.20	− 1 27.4	2.107	2.883	14.2	21.9
2 21	12 24.86	− 0 44.9	2.014	2.884	11.2	21.7
3 2	12 18.35	+ 0 11.5	1.945	2.885	7.6	21.5
3 12	12 10.18	+ 1 17.6	1.902	2.884	3.6	21.2
3 22	12 1.15	+ 2 27.5	1.888	2.883	1.1	21.0
4 1	11 52.17	+ 3 34.3	1.904	2.882	5.1	21.3
4 11	11 44.18	+ 4 31.8	1.949	2.879	9.0	21.6
4 21	11 37.89	+ 5 15.4	2.018	2.875	12.5	21.8

248070 2004 PX_{31} 3 21.0 304°.62 4°.1/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.20	+ 7 26.3	2.157	2.971	12.7	20.5
2 21	12 18.77	+ 8 46.7	2.052	2.945	9.9	20.2
3 2	12 14.32	+10 17.7	1.971	2.920	6.8	20.0
3 12	12 8.30	+11 52.6	1.917	2.894	4.4	19.8
3 22	12 1.35	+13 23.2	1.892	2.869	4.8	19.8
4 1	11 54.29	+14 41.7	1.895	2.843	7.8	19.9
4 11	11 48.01	+15 41.8	1.924	2.818	11.1	20.1
4 21	11 43.22	+16 20.2	1.975	2.793	14.3	20.2

349026 2006 VU_{17} 3 21.0 325°.71 3°.1/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 26.27	+ 8 1.7	2.319	3.120	12.3	21.1
2 21	12 22.34	+ 8 33.6	2.233	3.118	9.6	20.9
3 2	12 16.50	+ 9 10.4	2.171	3.116	6.5	20.7
3 12	12 9.24	+ 9 47.3	2.136	3.115	3.8	20.6
3 22	12 1.26	+10 19.2	2.129	3.113	3.5	20.5
4 1	11 53.38	+10 41.4	2.152	3.112	6.1	20.7
4 11	11 46.39	+10 50.6	2.202	3.111	9.2	20.9
4 21	11 40.89	+10 45.5	2.275	3.109	12.1	21.1

140475 2001 TF_{137} 3 21.0 235°.45 5°.0/14.7 18

2 11	12 24.91	+13 22.7	2.437	3.246	11.5	20.0
2 21	12 21.27	+14 30.1	2.352	3.239	9.1	19.8
3 2	12 15.77	+15 40.4	2.292	3.232	6.6	19.6
3 12	12 8.90	+16 47.1	2.259	3.224	5.1	19.5
3 22	12 1.30	+17 43.8	2.255	3.216	5.6	19.6
4 1	11 53.76	+18 25.3	2.280	3.209	7.8	19.7
4 11	11 47.04	+18 48.2	2.330	3.200	10.4	19.8
4 21	11 41.74	+18 51.8	2.402	3.192	12.9	20.0

160313 2003 HX_{28} 3 21.0 278°.40 2°.4/22.9 18

2 11	12 26.85	− 8 3.1	1.525	2.305	18.6	20.2
2 21	12 24.13	− 8 4.6	1.426	2.291	15.2	19.9
3 2	12 18.52	− 7 44.4	1.346	2.278	11.1	19.6
3 12	12 10.54	− 7 3.4	1.289	2.264	6.4	19.3
3 22	12 1.11	− 6 5.4	1.256	2.250	2.5	19.0
4 1	11 51.52	− 4 57.9	1.250	2.236	5.6	19.2
4 11	11 43.14	− 3 50.3	1.270	2.222	10.6	19.4
4 21	11 37.03	− 2 51.5	1.312	2.209	15.3	19.7

423492 2005 TD_{110} 3 21.0 103°.64 3°.4/25.2 18

2 11	12 23.43	−16 21.5	1.931	2.659	16.9	21.2
2 21	12 20.58	−15 34.7	1.842	2.668	14.1	21.0
3 2	12 15.52	−14 20.6	1.772	2.677	10.6	20.8
3 12	12 8.83	−12 41.1	1.726	2.686	6.8	20.5
3 22	12 1.32	−10 41.5	1.708	2.694	3.7	20.4
4 1	11 53.94	− 8 30.9	1.719	2.703	4.6	20.4
4 11	11 47.64	− 6 20.1	1.759	2.711	8.2	20.7
4 21	11 43.08	− 4 18.8	1.825	2.720	11.8	20.9

518931 2010 GX_{85} 3 21.0 286°.21 3°.0/24.1 17

2 11	12 23.76	−11 23.3	2.042	2.790	15.5	21.2
2 21	12 20.95	−11 18.8	1.928	2.771	12.8	21.0
3 2	12 15.93	−10 54.6	1.835	2.752	9.6	20.7
3 12	12 9.14	−10 11.2	1.766	2.732	6.0	20.5
3 22	12 1.28	− 9 11.2	1.724	2.713	3.2	20.3
4 1	11 53.27	− 8 0.0	1.710	2.694	4.7	20.3
4 11	11 46.11	− 6 45.1	1.723	2.674	8.4	20.5
4 21	11 40.61	− 5 34.1	1.761	2.655	12.2	20.7

265602 2005 RE_{45} 3 21.0 224°.93 4°.3/24.9 17

2 11	12 30.98	−13 19.6	2.257	2.973	15.1	21.3
2 21	12 26.38	−13 51.8	2.146	2.963	12.7	21.1
3 2	12 19.51	−14 8.0	2.056	2.953	9.8	20.9
3 12	12 10.84	−14 7.2	1.990	2.942	6.7	20.6
3 22	12 1.09	−13 50.1	1.952	2.931	4.5	20.5
4 1	11 51.20	−13 19.4	1.943	2.919	5.2	20.5
4 11	11 42.17	−12 40.4	1.963	2.907	8.1	20.6
4 21	11 34.80	−11 58.9	2.009	2.894	11.3	20.8

371712 2007 EQ_{45} 3 21.0 118°.66 2°.8/18.7 18

2 11	12 32.70	+ 6 58.9	1.993	2.787	14.3	20.6
2 21	12 27.60	+ 7 14.6	1.914	2.795	11.1	20.4
3 2	12 20.18	+ 7 35.7	1.858	2.802	7.6	20.2
3 12	12 11.05	+ 7 57.3	1.828	2.809	4.0	20.0
3 22	12 1.09	+ 8 14.2	1.828	2.816	3.1	20.0
4 1	11 51.34	+ 8 21.9	1.856	2.823	6.3	20.2
4 11	11 42.78	+ 8 17.3	1.912	2.830	9.9	20.4
4 21	11 36.11	+ 7 59.3	1.991	2.836	13.2	20.6

368724 2005 UZ_{50} 3 21.0 167°.51 0°.3/20.7 16

2 11	12 28.51	− 1 43.2	2.382	3.150	13.0	22.1
2 21	12 24.02	− 1 19.1	2.290	3.155	10.2	22.0
3 2	12 17.62	− 0 43.8	2.222	3.159	7.0	21.7
3 12	12 9.79	− 0 0.3	2.181	3.163	3.3	21.5
3 22	12 1.24	+ 0 46.8	2.170	3.166	0.6	21.3
4 1	11 52.76	+ 1 32.7	2.189	3.169	4.3	21.6
4 11	11 45.17	+ 2 12.4	2.237	3.170	7.8	21.8
4 21	11 39.07	+ 2 42.3	2.310	3.172	11.0	22.0

34224 Maggiechen 3 21.0 250°.80 3°.0/23.4 18

2 11	12 29.67	− 9 9.9	1.756	2.514	17.3	19.1
2 21	12 26.02	− 9 21.9	1.649	2.499	14.3	18.9
3 2	12 19.65	− 9 15.0	1.562	2.484	10.6	18.6
3 12	12 11.05	− 8 49.3	1.499	2.469	6.4	18.3
3 22	12 1.08	− 8 7.3	1.462	2.453	3.1	18.1
4 1	11 50.91	− 7 14.3	1.453	2.437	5.3	18.2
4 11	11 41.81	− 6 18.1	1.470	2.420	9.7	18.4
4 21	11 34.77	− 5 26.4	1.512	2.403	14.0	18.6

502600 2015 CZ_{10} 3 21.0 147°.59 0°.2/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 28.03	− 2 56.7	2.287	3.054	13.5	22.5
2 21	12 23.72	− 2 41.6	2.199	3.062	10.7	22.3
3 2	12 17.44	− 2 14.7	2.133	3.069	7.3	22.1
3 12	12 9.71	− 1 38.5	2.095	3.075	3.6	21.9
3 22	12 1.25	− 0 57.3	2.085	3.081	0.4	21.6
4 1	11 52.89	− 0 15.9	2.105	3.087	4.2	21.9
4 11	11 45.45	+ 0 20.7	2.154	3.092	7.8	22.2
4 21	11 39.55	+ 0 48.8	2.228	3.097	11.0	22.4

522716 2016 LH_{61} 3 21.0 284°.64 5°.2/27.3 17

2 11	12 23.39	−18 58.8	2.381	3.076	14.9	21.8
2 21	12 20.29	−19 14.6	2.277	3.072	12.8	21.6
3 2	12 15.24	−19 10.5	2.192	3.069	10.2	21.4
3 12	12 8.71	−18 45.5	2.131	3.065	7.6	21.2
3 22	12 1.35	−18 0.9	2.096	3.061	5.6	21.1
4 1	11 53.98	−17 0.2	2.088	3.057	5.5	21.1
4 11	11 47.41	−15 49.2	2.109	3.054	7.5	21.2
4 21	11 42.30	−14 34.8	2.155	3.050	10.2	21.3

174550 2003 FT_{71} 3 21.0 320°.95 1°.8/19.1 17

2 11	12 22.83	+ 2 25.6	2.075	2.876	13.5	20.3
2 21	12 20.01	+ 3 0.4	1.978	2.863	10.6	20.0
3 2	12 15.14	+ 3 45.9	1.903	2.851	7.1	19.8
3 12	12 8.69	+ 4 37.7	1.855	2.839	3.5	19.5
3 22	12 1.35	+ 5 30.1	1.834	2.827	2.2	19.4
4 1	11 54.01	+ 6 16.9	1.842	2.816	5.7	19.6
4 11	11 47.55	+ 6 52.7	1.876	2.805	9.4	19.8
4 21	11 42.65	+ 7 13.9	1.934	2.794	12.9	20.0

354875 2006 BX_{53} 3 21.0 331°.80 1°.1/21.8 15

2 11	12 27.06	− 3 37.5	1.304	2.110	19.7	20.7
2 21	12 24.65	− 3 48.0	1.218	2.102	15.9	20.4
3 2	12 19.04	− 3 39.9	1.151	2.094	11.2	20.1
3 12	12 10.83	− 3 15.4	1.106	2.087	5.8	19.8
3 22	12 1.11	− 2 39.5	1.085	2.081	1.1	19.4
4 1	11 51.34	− 1 59.7	1.089	2.075	6.2	19.7
4 11	11 43.05	− 1 24.7	1.117	2.069	11.7	20.0
4 21	11 37.36	− 1 1.1	1.165	2.065	16.6	20.3

178869 2001 MD_{6} 3 21.0 157°.33 1°.7/19.2 18

2 11	12 28.60	+ 1 57.6	2.222	3.006	13.3	20.8
2 21	12 24.20	+ 2 38.6	2.138	3.014	10.4	20.6
3 2	12 17.78	+ 3 29.7	2.077	3.021	7.0	20.4
3 12	12 9.88	+ 4 26.2	2.044	3.027	3.3	20.2
3 22	12 1.24	+ 5 22.6	2.040	3.033	2.0	20.1
4 1	11 52.71	+ 6 13.0	2.066	3.038	5.3	20.3
4 11	11 45.16	+ 6 52.5	2.119	3.042	8.8	20.5
4 21	11 39.21	+ 7 18.2	2.198	3.046	12.0	20.8

464953 2005 VT_{128} 3 21.0 101°.11 1°.6/19.4 18

2 11	12 28.18	+ 1 6.1	2.005	2.793	14.4	22.0
2 21	12 23.97	+ 1 50.1	1.935	2.813	11.2	21.8
3 2	12 17.63	+ 2 45.4	1.888	2.833	7.5	21.6
3 12	12 9.79	+ 3 46.7	1.868	2.852	3.5	21.4
3 22	12 1.26	+ 4 47.8	1.877	2.870	1.9	21.3
4 1	11 52.97	+ 5 42.3	1.915	2.889	5.5	21.6
4 11	11 45.80	+ 6 24.8	1.980	2.906	9.1	21.8
4 21	11 40.38	+ 6 52.4	2.070	2.924	12.4	22.0

124796 2001 SC_{267} 3 21.0 236°.95 3°.8/16.9 17

2 11	12 31.03	+ 9 41.1	2.383	3.175	12.3	21.6
2 21	12 26.19	+10 26.1	2.278	3.157	9.7	21.4
3 2	12 19.24	+11 16.2	2.198	3.139	6.8	21.2
3 12	12 10.66	+12 6.0	2.145	3.120	4.3	21.0
3 22	12 1.15	+12 49.4	2.122	3.100	4.3	21.0
4 1	11 51.57	+13 21.2	2.129	3.079	6.9	21.1
4 11	11 42.83	+13 37.3	2.164	3.058	10.1	21.3
4 21	11 35.66	+13 36.4	2.223	3.036	13.1	21.4

140522 2001 TH_{171} 3 21.0 214°.28 2°.7/17.2 18

2 11	12 23.13	+ 5 33.7	2.636	3.432	11.1	20.2
2 21	12 19.72	+ 6 38.2	2.543	3.426	8.6	20.0
3 2	12 14.65	+ 7 50.6	2.474	3.421	5.8	19.8
3 12	12 8.36	+ 9 5.8	2.435	3.415	3.3	19.6
3 22	12 1.41	+10 18.0	2.425	3.408	3.2	19.6
4 1	11 54.49	+11 21.7	2.444	3.401	5.7	19.8
4 11	11 48.27	+12 12.4	2.492	3.394	8.6	19.9
4 21	11 43.31	+12 47.5	2.565	3.387	11.2	20.1

286261 2001 VQ_{8} 3 21.0 180°.09 0°.5/20.5 18

2 11	12 30.68	− 1 58.2	2.056	2.829	14.6	22.4
2 21	12 26.09	− 1 23.2	1.964	2.831	11.6	22.2
3 2	12 19.23	− 0 34.1	1.894	2.832	7.9	22.0
3 12	12 10.65	+ 0 25.2	1.850	2.833	3.8	21.7
3 22	12 1.16	+ 1 29.1	1.836	2.832	0.8	21.5
4 1	11 51.72	+ 2 30.9	1.852	2.831	5.0	21.8
4 11	11 43.33	+ 3 24.2	1.896	2.828	9.1	22.1
4 21	11 36.70	+ 4 4.6	1.965	2.825	12.7	22.3

284748 2008 UJ_{329} 3 21.0 143°.84 1°.7/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 30.60	− 7 58.3	1.822	2.581	16.7	22.4
2 21	12 26.27	− 7 41.8	1.739	2.592	13.5	22.1
3 2	12 19.46	− 7 6.0	1.676	2.603	9.6	21.9
3 12	12 10.78	− 6 13.3	1.638	2.612	5.3	21.7
3 22	12 1.16	− 5 8.7	1.627	2.622	1.8	21.5
4 1	11 51.68	− 3 59.2	1.646	2.630	4.7	21.7
4 11	11 43.43	− 2 52.7	1.692	2.638	9.0	22.0
4 21	11 37.17	− 1 55.8	1.763	2.644	12.8	22.2

162540 2000 QZ_{167} 3 21.0 86°.30 3°.1/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.76	−10 14.0	1.547	2.312	18.9	19.3
2 21	12 25.23	−10 14.6	1.472	2.326	15.5	19.1
3 2	12 18.95	− 9 52.2	1.416	2.340	11.3	18.9
3 12	12 10.58	− 9 8.5	1.384	2.354	6.8	18.7
3 22	12 1.18	− 8 8.0	1.377	2.368	3.2	18.5
4 1	11 52.00	− 6 58.3	1.397	2.382	5.3	18.6
4 11	11 44.24	− 5 48.8	1.443	2.395	9.6	18.9
4 21	11 38.73	− 4 47.4	1.513	2.409	13.7	19.2

292185 2006 SA_{22} 3 21.0 197°.18 0°.9/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.58	− 7 29.7	2.726	3.475	12.0	21.7
2 21	12 19.24	− 6 50.4	2.623	3.473	9.6	21.5
3 2	12 14.30	− 5 56.5	2.543	3.470	6.8	21.3
3 12	12 8.19	− 4 50.6	2.491	3.467	3.6	21.1
3 22	12 1.44	− 3 36.8	2.469	3.464	0.9	20.9
4 1	11 54.72	− 2 20.2	2.477	3.460	3.5	21.1
4 11	11 48.68	− 1 6.5	2.515	3.456	6.6	21.3
4 21	11 43.85	− 0 0.5	2.579	3.452	9.6	21.5

203596 2002 CE_{299} 3 21.0 327°.70 1°.7/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.69	+ 0 49.2	1.314	2.135	18.8	20.2
2 21	12 23.50	+ 1 12.3	1.229	2.125	14.9	19.9
3 2	12 18.22	+ 1 52.2	1.164	2.116	10.2	19.6
3 12	12 10.42	+ 2 43.7	1.122	2.107	4.8	19.3
3 22	12 1.19	+ 3 38.7	1.104	2.099	2.1	19.1
4 1	11 51.94	+ 4 27.9	1.111	2.091	7.3	19.4
4 11	11 44.15	+ 5 2.7	1.142	2.084	12.6	19.6
4 21	11 38.87	+ 5 18.2	1.193	2.078	17.4	19.9

109709 2001 RG_{45} 3 21.0 134°.11 1°.8/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.30	+ 1 44.9	2.187	2.974	13.4	20.1
2 21	12 23.18	+ 2 36.9	2.109	2.987	10.4	20.0
3 2	12 17.08	+ 3 39.5	2.055	2.999	6.9	19.8
3 12	12 9.54	+ 4 47.7	2.028	3.011	3.3	19.6
3 22	12 1.31	+ 5 55.2	2.030	3.022	2.2	19.5
4 1	11 53.24	+ 6 55.7	2.062	3.033	5.4	19.7
4 11	11 46.15	+ 7 44.1	2.122	3.043	8.9	20.0
4 21	11 40.65	+ 8 17.3	2.206	3.052	12.0	20.2

371732 2007 EZ_{130} 3 21.0 55°.69 0°.4/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.86	− 2 39.1	1.806	2.596	15.7	21.1
2 21	12 21.82	− 2 3.8	1.722	2.599	12.4	20.9
3 2	12 16.46	− 1 12.4	1.660	2.602	8.4	20.7
3 12	12 9.35	− 0 9.0	1.623	2.606	4.0	20.4
3 22	12 1.33	+ 0 59.8	1.613	2.609	0.7	20.1
4 1	11 53.41	+ 2 6.6	1.631	2.612	5.3	20.5
4 11	11 46.60	+ 3 4.1	1.676	2.616	9.5	20.7
4 21	11 41.63	+ 3 47.3	1.744	2.619	13.3	21.0

30224 2000 GU_{136} 3 21.0 215°.47 7°.1/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.28	+19 6.5	2.253	3.059	12.4	18.4
2 21	12 24.94	+20 31.5	2.173	3.052	10.1	18.3
3 2	12 18.42	+21 55.9	2.119	3.043	8.1	18.1
3 12	12 10.26	+23 11.5	2.091	3.034	7.1	18.0
3 22	12 1.23	+24 10.5	2.091	3.025	7.9	18.1
4 1	11 52.27	+24 47.3	2.118	3.014	10.0	18.2
4 11	11 44.31	+24 59.3	2.170	3.004	12.5	18.3
4 21	11 38.03	+24 47.2	2.242	2.992	14.8	18.5

7432 1993 HL_{5} 3 21.0 219°.31 0°.3/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.55	− 1 34.8	2.759	3.528	11.4	18.7
2 21	12 20.76	− 1 9.4	2.655	3.521	9.0	18.6
3 2	12 15.34	− 0 34.0	2.575	3.513	6.1	18.4
3 12	12 8.71	+ 0 8.7	2.523	3.505	2.9	18.1
3 22	12 1.41	+ 0 54.9	2.501	3.497	0.5	17.9
4 1	11 54.11	+ 1 40.2	2.509	3.488	3.8	18.2
4 11	11 47.49	+ 2 20.4	2.546	3.480	7.0	18.4
4 21	11 42.07	+ 2 52.2	2.609	3.470	9.9	18.5

397044 2005 UB_{80} 3 21.0 173°.71 4°.4/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.73	+ 8 34.3	1.867	2.668	14.8	22.0
2 21	12 27.90	+ 9 36.1	1.787	2.672	11.6	21.8
3 2	12 20.56	+10 45.2	1.731	2.675	8.0	21.6
3 12	12 11.33	+11 54.1	1.701	2.678	5.0	21.4
3 22	12 1.14	+12 54.7	1.700	2.679	5.0	21.4
4 1	11 51.10	+13 39.8	1.727	2.680	8.1	21.6
4 11	11 42.30	+14 5.0	1.781	2.679	11.7	21.8
4 21	11 35.52	+14 9.0	1.857	2.678	14.9	22.0

502957 2015 EB_{66} 3 21.0 36°.80 3°.0/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 26.24	+ 5 30.8	1.965	2.770	14.0	21.4
2 21	12 22.70	+ 6 14.5	1.882	2.770	10.9	21.2
3 2	12 16.95	+ 7 6.9	1.823	2.771	7.4	21.0
3 12	12 9.57	+ 8 2.2	1.789	2.771	4.0	20.7
3 22	12 1.33	+ 8 53.7	1.784	2.772	3.4	20.7
4 1	11 53.20	+ 9 35.2	1.807	2.772	6.6	20.9
4 11	11 46.12	+10 1.9	1.856	2.773	10.2	21.1
4 21	11 40.77	+10 11.5	1.928	2.773	13.5	21.3

109375 2001 QR_{162} 3 21.0 76°.09 3°.6/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.40	−12 22.1	2.228	2.959	14.8	19.1
2 21	12 22.64	−12 41.5	2.136	2.965	12.3	18.9
3 2	12 16.84	−12 44.2	2.064	2.970	9.3	18.8
3 12	12 9.50	−12 30.4	2.018	2.976	6.2	18.6
3 22	12 1.35	−12 2.0	1.998	2.981	3.8	18.4
4 1	11 53.25	−11 22.7	2.007	2.987	4.6	18.5
4 11	11 46.06	−10 38.2	2.044	2.993	7.5	18.7
4 21	11 40.45	− 9 54.1	2.107	2.998	10.6	18.9

264098 2009 SB_{297} 3 21.0 245°.14 3°.5/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.79	−11 33.5	2.070	2.808	15.6	21.0
2 21	12 24.07	−11 46.6	1.961	2.796	13.0	20.8
3 2	12 18.06	−11 41.8	1.873	2.784	9.8	20.5
3 12	12 10.21	−11 19.2	1.810	2.772	6.3	20.3
3 22	12 1.27	−10 40.5	1.773	2.760	3.6	20.1
4 1	11 52.22	− 9 50.2	1.765	2.747	4.9	20.1
4 11	11 44.07	− 8 54.7	1.785	2.734	8.4	20.3
4 21	11 37.65	− 8 0.7	1.830	2.720	12.0	20.5

113187 2002 RN_{106} 3 21.0 116°.92 3°.7/16.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.09	+10 11.8	2.355	3.155	12.2	19.6
2 21	12 23.66	+10 51.5	2.280	3.164	9.5	19.4
3 2	12 17.34	+11 34.3	2.229	3.172	6.6	19.2
3 12	12 9.67	+12 15.1	2.206	3.181	4.2	19.1
3 22	12 1.35	+12 48.6	2.212	3.189	4.2	19.1
4 1	11 53.21	+13 10.3	2.246	3.197	6.6	19.3
4 11	11 46.02	+13 17.4	2.308	3.205	9.4	19.5
4 21	11 40.35	+13 9.2	2.394	3.213	12.0	19.7

84264 2002 TG_{5} 3 21.0 85°.50 0°.1/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.97	− 4 52.1	2.195	2.969	13.8	19.5
2 21	12 19.86	− 4 5.3	2.112	2.979	10.9	19.3
3 2	12 14.87	− 3 3.0	2.052	2.990	7.5	19.1
3 12	12 8.52	− 1 49.1	2.019	3.000	3.7	18.9
3 22	12 1.48	− 0 29.3	2.014	3.010	0.4	18.6
4 1	11 54.58	+ 0 49.7	2.039	3.021	4.3	18.9
4 11	11 48.57	+ 2 1.3	2.091	3.031	7.9	19.2
4 21	11 44.05	+ 3 0.6	2.170	3.041	11.2	19.4

444289 2005 UE_{476} 3 21.0 104°.64 1°.5/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.80	− 5 45.4	1.527	2.304	18.7	21.7
2 21	12 28.39	− 5 45.0	1.455	2.320	15.0	21.5
3 2	12 21.10	− 5 25.8	1.403	2.336	10.5	21.2
3 12	12 11.65	− 4 50.3	1.374	2.352	5.6	21.0
3 22	12 1.15	− 4 3.7	1.372	2.367	1.5	20.8
4 1	11 50.93	− 3 13.3	1.397	2.382	5.3	21.0
4 11	11 42.23	− 2 26.9	1.449	2.396	10.1	21.4
4 21	11 35.92	− 1 50.6	1.524	2.410	14.2	21.6

43851 1993 TL_{1} 3 21.0 85°.55 0°.1/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.67	− 4 34.1	1.956	2.725	15.4	19.9
2 21	12 25.07	− 3 50.8	1.895	2.759	12.1	19.7
3 2	12 18.33	− 2 51.8	1.856	2.792	8.2	19.5
3 12	12 10.13	− 1 41.9	1.844	2.825	4.0	19.3
3 22	12 1.33	− 0 27.4	1.860	2.857	0.4	19.1
4 1	11 52.87	+ 0 44.6	1.906	2.888	4.6	19.5
4 11	11 45.64	+ 1 47.6	1.981	2.918	8.4	19.8
4 21	11 40.21	+ 2 37.3	2.080	2.948	11.7	20.1

423733 2006 BJ_{186} 3 21.0 49°.98 4°.7/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.81	−12 16.5	1.840	2.580	17.2	20.5
2 21	12 25.77	−13 1.1	1.755	2.588	14.4	20.3
3 2	12 19.22	−13 27.6	1.690	2.596	11.0	20.1
3 12	12 10.75	−13 35.1	1.648	2.605	7.4	19.9
3 22	12 1.24	−13 24.6	1.633	2.614	4.9	19.8
4 1	11 51.81	−12 59.6	1.645	2.623	5.7	19.8
4 11	11 43.56	−12 26.3	1.684	2.632	8.8	20.0
4 21	11 37.29	−11 51.3	1.747	2.642	12.2	20.3

363075 2000 OG_{8} 3 21.0 166°.34 1°.6/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.84	− 9 17.4	3.359	4.076	10.5	24.0
2 21	12 22.93	− 9 1.1	3.257	4.085	8.5	23.9
3 2	12 16.61	− 8 33.3	3.180	4.092	6.2	23.8
3 12	12 9.27	− 7 55.4	3.130	4.098	3.6	23.6
3 22	12 1.42	− 7 9.9	3.112	4.103	1.6	23.4
4 1	11 53.62	− 6 20.1	3.125	4.108	2.9	23.5
4 11	11 46.43	− 5 30.0	3.170	4.111	5.5	23.7
4 21	11 40.32	− 4 43.1	3.243	4.113	7.9	23.9

32134 2000 LQ_{17} 3 21.0 282°.54 9°.4/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 26.83	−25 19.5	1.929	2.595	18.7	18.2
2 21	12 23.85	−26 23.1	1.821	2.582	16.8	18.0
3 2	12 18.24	−27 2.9	1.730	2.569	14.4	17.8
3 12	12 10.44	−27 14.2	1.659	2.555	11.9	17.6
3 22	12 1.27	−26 54.3	1.610	2.542	10.0	17.4
4 1	11 51.84	−26 4.2	1.586	2.529	9.5	17.3
4 11	11 43.42	−24 50.0	1.587	2.516	10.8	17.4
4 21	11 37.00	−23 20.8	1.611	2.502	13.3	17.5

109222 2001 QN_{87} 3 21.0 82°.46 4°.5/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.92	−16 38.5	1.817	2.546	17.8	19.6
2 21	12 21.91	−16 26.6	1.736	2.559	14.9	19.4
3 2	12 16.53	−15 48.9	1.673	2.573	11.5	19.2
3 12	12 9.41	−14 45.9	1.633	2.587	7.8	19.0
3 22	12 1.41	−13 21.5	1.620	2.601	4.9	18.8
4 1	11 53.57	−11 43.0	1.633	2.614	5.3	18.9
4 11	11 46.91	−10 0.3	1.675	2.628	8.5	19.1
4 21	11 42.14	− 8 22.7	1.741	2.641	12.0	19.3

117942 6210 *P–L* 3 21.0 138°.71 0°.9/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.80	− 5 53.4	1.908	2.673	15.9	21.5
2 21	12 25.52	− 5 31.1	1.825	2.685	12.7	21.3
3 2	12 18.90	− 4 51.7	1.764	2.696	8.9	21.1
3 12	12 10.53	− 3 58.3	1.728	2.706	4.6	20.9
3 22	12 1.29	− 2 56.0	1.721	2.716	0.9	20.6
4 1	11 52.21	− 1 51.7	1.742	2.726	4.6	20.9
4 11	11 44.28	− 0 52.3	1.792	2.734	8.8	21.1
4 21	11 38.23	− 0 3.5	1.866	2.742	12.5	21.4

125078 2001 UK_{7} 3 21.0 94°.00 4°.7/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.46	−12 0.2	1.520	2.275	19.7	20.2
2 21	12 27.58	−12 34.6	1.441	2.285	16.4	20.0
3 2	12 20.72	−12 46.9	1.381	2.295	12.4	19.7
3 12	12 11.56	−12 36.0	1.342	2.304	8.1	19.5
3 22	12 1.18	−12 4.2	1.329	2.314	4.9	19.4
4 1	11 50.93	−11 16.9	1.342	2.324	6.1	19.4
4 11	11 42.15	−10 22.8	1.381	2.333	10.0	19.7
4 21	11 35.79	− 9 30.4	1.444	2.343	14.0	19.9

499298 2009 WP_{14} 3 21.0 228°.37 3°.5/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.64	+ 7 48.5	2.295	3.093	12.5	22.3
2 21	12 23.58	+ 8 43.3	2.198	3.082	9.8	22.1
3 2	12 17.50	+ 9 45.2	2.125	3.070	6.7	21.9
3 12	12 9.86	+10 48.4	2.080	3.058	4.1	21.7
3 22	12 1.36	+11 46.6	2.065	3.045	4.0	21.7
4 1	11 52.86	+12 33.7	2.078	3.032	6.8	21.8
4 11	11 45.21	+13 5.3	2.118	3.018	10.0	22.0
4 21	11 39.09	+13 19.4	2.183	3.004	13.0	22.1

384268 2009 FM_{52} 3 21.0 1°.59 13°.3/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 40.19	+36 47.2	1.784	2.563	16.3	19.8
2 21	12 34.11	+37 44.1	1.734	2.562	14.7	19.7
3 2	12 24.83	+38 22.1	1.703	2.561	13.6	19.6
3 12	12 13.35	+38 30.5	1.695	2.562	13.4	19.6
3 22	12 1.02	+38 2.5	1.708	2.563	14.1	19.6
4 1	11 49.38	+36 56.3	1.744	2.565	15.5	19.7
4 11	11 39.73	+35 15.6	1.801	2.568	17.2	19.8
4 21	11 32.83	+33 7.8	1.876	2.572	19.0	20.0

185250 Korostyshiv 3 21.0 136°.61 1°.9/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.48	− 7 52.7	2.597	3.339	12.7	20.7
2 21	12 22.34	− 7 58.2	2.502	3.345	10.3	20.6
3 2	12 16.46	− 7 51.0	2.430	3.350	7.4	20.4
3 12	12 9.29	− 7 32.6	2.385	3.356	4.3	20.2
3 22	12 1.44	− 7 5.3	2.369	3.361	1.9	20.0
4 1	11 53.65	− 6 32.8	2.382	3.366	3.6	20.2
4 11	11 46.64	− 5 59.3	2.425	3.370	6.7	20.4
4 21	11 40.97	− 5 28.9	2.494	3.375	9.6	20.6

355313 2007 RZ_{320} 3 21.0 271°.40 0°.8/20.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.91	− 1 35.7	1.641	2.436	16.8	21.7
2 21	12 24.85	− 1 5.7	1.534	2.414	13.5	21.4
3 2	12 19.00	− 0 17.8	1.448	2.392	9.3	21.1
3 12	12 10.85	+ 0 44.2	1.386	2.370	4.5	20.8
3 22	12 1.25	+ 1 53.8	1.351	2.347	1.2	20.5
4 1	11 51.41	+ 3 2.4	1.343	2.323	6.3	20.8
4 11	11 42.65	+ 4 1.2	1.361	2.300	11.4	21.0
4 21	11 36.00	+ 4 43.6	1.402	2.276	16.0	21.2

371663 2007 CD_{40} 3 21.0 337°.93 2°.6/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.04	+ 2 22.7	1.667	2.479	15.9	20.9
2 21	12 21.45	+ 3 17.6	1.584	2.476	12.4	20.7
3 2	12 16.38	+ 4 26.7	1.522	2.473	8.3	20.5
3 12	12 9.41	+ 5 43.6	1.486	2.470	4.1	20.2
3 22	12 1.42	+ 7 0.0	1.476	2.467	3.1	20.1
4 1	11 53.51	+ 8 7.0	1.493	2.465	7.0	20.3
4 11	11 46.75	+ 8 57.6	1.536	2.463	11.3	20.6
4 21	11 41.95	+ 9 27.7	1.601	2.461	15.1	20.8

188294 2003 BJ_{92} 3 21.0 337°.61 9°.5/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 26.12	+20 33.7	1.692	2.520	14.9	19.6
2 21	12 23.15	+22 27.2	1.630	2.518	12.3	19.4
3 2	12 17.55	+24 18.8	1.591	2.517	10.2	19.3
3 12	12 9.96	+25 56.5	1.577	2.515	9.5	19.2
3 22	12 1.37	+27 9.9	1.589	2.513	10.7	19.3
4 1	11 52.95	+27 51.8	1.624	2.512	13.0	19.4
4 11	11 45.86	+28 0.0	1.680	2.511	15.7	19.6
4 21	11 40.88	+27 36.8	1.755	2.510	18.2	19.8

30540 2001 ON_{14} 3 21.0 178°.81 0°.7/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.72	− 0 30.9	2.550	3.327	12.0	19.4
2 21	12 21.00	+ 0 2.6	2.457	3.327	9.4	19.2
3 2	12 15.56	+ 0 46.5	2.387	3.328	6.3	19.0
3 12	12 8.85	+ 1 37.2	2.346	3.328	3.0	18.8
3 22	12 1.49	+ 2 30.3	2.333	3.328	1.0	18.6
4 1	11 54.18	+ 3 20.9	2.351	3.328	4.3	18.8
4 11	11 47.64	+ 4 4.3	2.397	3.328	7.5	19.1
4 21	11 42.40	+ 4 37.2	2.469	3.327	10.5	19.2

30602 2086 *P–L* 3 21.0 114°.82 1°.6/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.49	− 7 22.5	2.013	2.771	15.4	19.7
2 21	12 24.35	− 7 8.9	1.933	2.786	12.4	19.5
3 2	12 18.01	− 6 38.6	1.873	2.801	8.8	19.3
3 12	12 10.09	− 5 53.9	1.840	2.815	4.8	19.1
3 22	12 1.37	− 4 59.4	1.834	2.829	1.6	18.9
4 1	11 52.82	− 4 0.9	1.858	2.842	4.3	19.1
4 11	11 45.37	− 3 5.0	1.910	2.855	8.1	19.4
4 21	11 39.67	− 2 17.2	1.987	2.868	11.6	19.6

106843 2000 YV_{12} 3 21.0 56°.61 5°.1/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.01	+ 8 59.8	1.418	2.243	17.5	19.6
2 21	12 26.37	+ 9 52.1	1.356	2.253	13.6	19.4
3 2	12 19.79	+10 51.5	1.315	2.265	9.4	19.2
3 12	12 11.04	+11 49.1	1.298	2.276	5.8	19.0
3 22	12 1.27	+12 35.7	1.306	2.287	5.7	19.0
4 1	11 51.86	+13 3.5	1.340	2.299	9.2	19.3
4 11	11 44.05	+13 8.6	1.399	2.311	13.2	19.5
4 21	11 38.66	+12 50.9	1.477	2.323	16.8	19.8

303962 2005 YD_{291} 3 21.0 293°.81 3°.0/18.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.86	+ 2 31.0	1.399	2.219	17.9	20.9
2 21	12 23.60	+ 3 19.9	1.306	2.202	14.1	20.6
3 2	12 18.32	+ 4 26.2	1.233	2.185	9.6	20.3
3 12	12 10.56	+ 5 43.4	1.184	2.168	4.8	20.0
3 22	12 1.30	+ 7 1.8	1.159	2.151	3.6	19.8
4 1	11 51.89	+ 8 10.5	1.161	2.134	8.2	20.0
4 11	11 43.80	+ 9 0.2	1.186	2.118	13.4	20.3
4 21	11 38.10	+ 9 25.9	1.232	2.101	18.0	20.5

229131 2004 RC_{206} 3 21.0 164°.05 2°.9/24.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.97	−12 35.9	2.715	3.428	12.8	21.7
2 21	12 23.46	−12 38.0	2.616	3.435	10.6	21.5
3 2	12 17.20	−12 25.2	2.539	3.441	8.0	21.4
3 12	12 9.65	−11 58.0	2.488	3.446	5.2	21.2
3 22	12 1.42	−11 18.6	2.466	3.450	3.1	21.1
4 1	11 53.24	−10 30.5	2.475	3.454	3.9	21.1
4 11	11 45.82	− 9 38.8	2.513	3.458	6.5	21.3
4 21	11 39.72	− 8 48.2	2.578	3.460	9.2	21.5

39932 1998 FQ_{75} 3 21.0 177°.54 3°.3/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.10	+ 6 16.0	1.900	2.699	14.7	19.7
2 21	12 26.61	+ 6 58.8	1.816	2.701	11.5	19.5
3 2	12 19.70	+ 7 49.8	1.756	2.702	7.8	19.2
3 12	12 10.97	+ 8 42.9	1.722	2.703	4.3	19.0
3 22	12 1.28	+ 9 31.3	1.716	2.703	3.7	19.0
4 1	11 51.72	+10 8.4	1.739	2.703	7.0	19.2
4 11	11 43.33	+10 29.6	1.789	2.702	10.8	19.4
4 21	11 36.86	+10 33.1	1.861	2.700	14.2	19.6

214812 2006 UJ_{242} 3 21.0 57°.78 1°.3/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.59	+ 2 11.1	2.184	2.974	13.3	21.0
2 21	12 22.64	+ 2 29.6	2.108	2.987	10.4	20.9
3 2	12 16.74	+ 2 56.8	2.055	2.999	7.0	20.7
3 12	12 9.43	+ 3 28.6	2.028	3.012	3.3	20.5
3 22	12 1.46	+ 4 0.5	2.030	3.024	1.6	20.3
4 1	11 53.65	+ 4 27.8	2.061	3.037	4.9	20.6
4 11	11 46.82	+ 4 46.4	2.120	3.050	8.4	20.8
4 21	11 41.56	+ 4 54.1	2.203	3.063	11.5	21.1

182423 2001 RR_{104} 3 21.0 159°.18 1°.9/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.77	+ 3 58.7	2.626	3.413	11.4	21.0
2 21	12 21.73	+ 4 34.8	2.540	3.417	8.9	20.8
3 2	12 16.00	+ 5 17.9	2.477	3.421	5.9	20.6
3 12	12 9.06	+ 6 4.1	2.443	3.425	3.0	20.4
3 22	12 1.51	+ 6 48.8	2.439	3.429	2.2	20.4
4 1	11 54.04	+ 7 27.4	2.464	3.432	4.9	20.5
4 11	11 47.35	+ 7 56.3	2.518	3.435	7.9	20.7
4 21	11 41.96	+ 8 13.3	2.597	3.438	10.6	20.9

14213 1999 NX_{54} 3 21.0 189°.37 4°.3/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 22.78	+ 5 13.6	1.978	2.789	13.7	17.3
2 21	12 20.06	+ 7 15.4	1.896	2.789	10.6	17.1
3 2	12 15.23	+ 9 30.8	1.840	2.789	7.2	16.9
3 12	12 8.80	+11 50.5	1.811	2.788	4.6	16.7
3 22	12 1.53	+14 3.8	1.813	2.788	5.2	16.7
4 1	11 54.31	+16 0.6	1.843	2.787	8.3	16.9
4 11	11 48.05	+17 33.7	1.900	2.787	11.7	17.1
4 21	11 43.43	+18 39.7	1.980	2.786	14.7	17.3

428815 2008 TP_{65} 3 21.1 169°.42 0°.2/21.3 17

2 11	12 28.73	− 2 27.9	2.718	3.475	11.8	21.9
2 21	12 23.98	− 2 15.7	2.622	3.480	9.3	21.7
3 2	12 17.52	− 1 53.8	2.551	3.484	6.4	21.5
3 12	12 9.80	− 1 24.5	2.507	3.487	3.2	21.3
3 22	12 1.43	− 0 51.1	2.493	3.490	0.3	21.1
4 1	11 53.12	− 0 17.5	2.511	3.492	3.7	21.4
4 11	11 45.58	+ 0 12.4	2.558	3.493	6.9	21.6
4 21	11 39.35	+ 0 35.4	2.632	3.494	9.8	21.8

180188 2003 QX_{67} 3 21.1 181°.03 1°.7/19.3 18

2 11	12 29.47	+ 1 27.3	2.043	2.829	14.3	21.4
2 21	12 25.19	+ 2 11.7	1.954	2.831	11.2	21.2
3 2	12 18.67	+ 3 8.2	1.888	2.832	7.5	21.0
3 12	12 10.46	+ 4 11.6	1.849	2.832	3.6	20.7
3 22	12 1.36	+ 5 15.7	1.838	2.831	2.1	20.6
4 1	11 52.34	+ 6 13.6	1.857	2.830	5.7	20.9
4 11	11 44.34	+ 6 59.6	1.904	2.828	9.6	21.1
4 21	11 38.09	+ 7 30.1	1.975	2.825	13.0	21.3

6556 Arcimboldo 3 21.1 137°.18 3°.3/18.2 18

2 11	12 30.98	+ 4 6.0	1.597	2.402	16.7	17.3
2 21	12 26.88	+ 5 4.8	1.524	2.412	13.0	17.1
3 2	12 20.05	+ 6 15.9	1.474	2.422	8.8	16.9
3 12	12 11.18	+ 7 31.9	1.448	2.431	4.6	16.6
3 22	12 1.30	+ 8 43.7	1.451	2.439	3.8	16.6
4 1	11 51.66	+ 9 42.6	1.480	2.447	7.6	16.8
4 11	11 43.42	+10 22.4	1.536	2.454	11.8	17.1
4 21	11 37.42	+10 40.6	1.613	2.461	15.6	17.3

410773 2009 EH_{10} 3 21.1 344°.97 0°.5/21.4 17

2 11	12 24.31	− 3 28.9	1.289	2.102	19.6	21.4
2 21	12 22.48	− 3 21.2	1.207	2.096	15.7	21.1
3 2	12 17.57	− 2 53.0	1.143	2.090	10.9	20.8
3 12	12 10.20	− 2 7.8	1.102	2.085	5.5	20.5
3 22	12 1.42	− 1 11.8	1.084	2.080	0.6	20.1
4 1	11 52.65	− 0 14.3	1.091	2.077	6.2	20.5
4 11	11 45.34	+ 0 35.1	1.122	2.074	11.7	20.7
4 21	11 40.53	+ 1 9.4	1.174	2.073	16.6	21.0

53251 1999 EV_{3} 3 21.1 286°.17 2°.8/23.7 18

2 11	12 27.20	− 9 1.7	2.213	2.959	14.5	19.5
2 21	12 23.38	− 9 21.1	2.111	2.954	11.9	19.3
3 2	12 17.46	− 9 26.0	2.030	2.948	8.8	19.1
3 12	12 9.92	− 9 17.0	1.975	2.942	5.4	18.9
3 22	12 1.45	− 8 55.9	1.947	2.936	2.8	18.7
4 1	11 52.95	− 8 26.4	1.948	2.931	4.3	18.8
4 11	11 45.31	− 7 53.7	1.977	2.925	7.7	19.0
4 21	11 39.25	− 7 22.7	2.031	2.919	11.1	19.2

92759 2000 QM_{120} 3 21.1 283°.71 2°.2/22.9 17

2 11	12 27.76	− 7 20.9	1.926	2.688	15.8	20.4
2 21	12 24.40	− 7 27.3	1.806	2.662	13.0	20.2
3 2	12 18.54	− 7 17.1	1.708	2.635	9.5	19.9
3 12	12 10.62	− 6 51.0	1.634	2.607	5.5	19.6
3 22	12 1.37	− 6 11.6	1.586	2.580	2.2	19.3
4 1	11 51.82	− 5 23.8	1.567	2.552	4.9	19.4
4 11	11 43.12	− 4 34.6	1.575	2.524	9.3	19.6
4 21	11 36.23	− 3 50.4	1.608	2.496	13.5	19.8

349064 2006 XQ_{6} 3 21.1 102°.24 2°.4/18.6 18

2 11	12 29.17	+ 2 58.1	1.967	2.760	14.5	21.6
2 21	12 24.79	+ 3 55.9	1.903	2.784	11.2	21.4
3 2	12 18.24	+ 5 3.9	1.861	2.807	7.4	21.2
3 12	12 10.18	+ 6 16.0	1.847	2.829	3.7	21.0
3 22	12 1.45	+ 7 25.0	1.861	2.851	2.8	21.0
4 1	11 52.99	+ 8 24.1	1.904	2.872	6.1	21.3
4 11	11 45.71	+ 9 8.3	1.975	2.893	9.7	21.5
4 21	11 40.21	+ 9 35.2	2.070	2.913	12.8	21.8

203882 2003 AG_{61} 3 21.1 29°.52 3°.0/17.8 18

2 11	12 21.38	+ 3 19.9	1.795	2.610	14.8	19.1
2 21	12 19.04	+ 4 31.4	1.726	2.621	11.4	18.9
3 2	12 14.54	+ 5 54.9	1.681	2.632	7.6	18.7
3 12	12 8.46	+ 7 23.2	1.661	2.644	4.0	18.5
3 22	12 1.62	+ 8 47.8	1.669	2.657	3.5	18.5
4 1	11 54.97	+10 0.5	1.705	2.670	6.9	18.7
4 11	11 49.41	+10 55.3	1.766	2.684	10.6	18.9
4 21	11 45.57	+11 29.3	1.849	2.699	13.8	19.2

207496 2006 HU_{78} 3 21.1 32°.20 3°.3/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 24.83	−11 5.8	1.418	2.194	19.9	20.3
2 21	12 22.57	−11 0.6	1.338	2.198	16.3	20.0
3 2	12 17.42	−10 29.0	1.276	2.202	12.1	19.8
3 12	12 10.04	− 9 32.3	1.235	2.206	7.3	19.5
3 22	12 1.45	− 8 15.4	1.219	2.211	3.5	19.3
4 1	11 52.96	− 6 47.3	1.230	2.216	5.6	19.4
4 11	11 45.87	− 5 19.3	1.265	2.221	10.2	19.7
4 21	11 41.11	− 4 1.4	1.323	2.227	14.7	20.0

305837 2009 DV_{137} 3 21.1 78°.45 0°.1/20.9 18

2 11	12 29.05	− 3 15.3	1.511	2.304	18.1	21.0
2 21	12 25.43	− 2 46.0	1.444	2.322	14.3	20.8
3 2	12 19.06	− 1 58.4	1.398	2.340	9.7	20.6
3 12	12 10.70	− 0 57.5	1.376	2.358	4.7	20.4
3 22	12 1.40	+ 0 9.4	1.380	2.376	0.6	20.1
4 1	11 52.41	+ 1 13.8	1.411	2.394	5.7	20.5
4 11	11 44.88	+ 2 7.7	1.468	2.411	10.3	20.8
4 21	11 39.60	+ 2 46.1	1.548	2.429	14.4	21.1

22233 3093 $T\text{-}_{3}$ 3 21.1 190°.40 0°.8/21.9 18

2 11	12 27.39	− 6 16.0	1.958	2.724	15.5	19.3
2 21	12 23.74	− 5 43.9	1.863	2.724	12.4	19.1
3 2	12 17.80	− 4 53.6	1.790	2.722	8.7	18.8
3 12	12 10.10	− 3 48.0	1.742	2.720	4.5	18.6
3 22	12 1.45	− 2 32.6	1.722	2.718	0.8	18.3
4 1	11 52.83	− 1 14.5	1.731	2.715	4.7	18.6
4 11	11 45.22	− 0 1.7	1.769	2.711	8.9	18.8
4 21	11 39.39	+ 0 59.7	1.831	2.707	12.7	19.0

359849 2011 UR_{359} 3 21.1 290°.15 4°.1/24.4 16

2 11	12 25.52	−12 5.5	1.527	2.292	19.2	20.6
2 21	12 23.14	−12 15.4	1.430	2.281	16.0	20.3
3 2	12 17.92	−12 0.6	1.351	2.270	12.1	20.1
3 12	12 10.37	−11 20.7	1.293	2.260	7.8	19.8
3 22	12 1.41	−10 18.5	1.261	2.249	4.3	19.5
4 1	11 52.33	− 9 0.6	1.254	2.239	5.8	19.6
4 11	11 44.47	− 7 37.5	1.273	2.229	10.3	19.8
4 21	11 38.85	− 6 19.4	1.314	2.219	14.8	20.0

171381 Taipei 3 21.1 196°.01 4°.7/15.2 18

2 11	12 25.76	+12 47.5	2.460	3.266	11.5	20.7
2 21	12 21.93	+13 50.7	2.378	3.264	9.1	20.6
3 2	12 16.26	+14 56.7	2.322	3.262	6.5	20.4
3 12	12 9.25	+15 59.2	2.294	3.260	4.8	20.3
3 22	12 1.55	+16 52.2	2.294	3.258	5.3	20.3
4 1	11 53.94	+17 30.7	2.322	3.255	7.5	20.4
4 11	11 47.17	+17 51.5	2.377	3.252	10.1	20.6
4 21	11 41.81	+17 53.9	2.455	3.249	12.5	20.8

331066 2009 WX_{27} 3 21.1 184°.37 0°.9/20.0 17

2 11	12 27.70	+ 0 3.1	2.372	3.148	12.8	22.1
2 21	12 23.49	+ 0 35.1	2.278	3.148	10.0	21.9
3 2	12 17.37	+ 1 17.7	2.208	3.148	6.8	21.7
3 12	12 9.81	+ 2 7.3	2.165	3.147	3.2	21.5
3 22	12 1.50	+ 2 59.1	2.151	3.146	1.2	21.3
4 1	11 53.23	+ 3 47.8	2.168	3.144	4.7	21.6
4 11	11 45.82	+ 4 28.4	2.213	3.142	8.2	21.8
4 21	11 39.88	+ 4 57.5	2.283	3.139	11.3	22.0

359978 2012 TB_{241} 3 21.1 134°.24 2°.2/18.2 18

2 11	12 25.83	+ 5 26.8	2.677	3.466	11.2	21.3
2 21	12 21.71	+ 6 6.7	2.597	3.476	8.6	21.2
3 2	12 15.96	+ 6 52.6	2.542	3.486	5.8	21.0
3 12	12 9.06	+ 7 40.3	2.515	3.496	3.1	20.8
3 22	12 1.59	+ 8 25.0	2.517	3.505	2.6	20.8
4 1	11 54.24	+ 9 2.5	2.550	3.513	5.1	21.0
4 11	11 47.68	+ 9 29.3	2.611	3.522	7.9	21.2
4 21	11 42.40	+ 9 43.6	2.697	3.530	10.4	21.4

199289 2006 BO_{57} 3 21.1 224°.49 1°.1/22.2 17

2 11	12 27.66	− 5 15.2	2.150	2.914	14.3	20.9
2 21	12 23.77	− 5 11.4	2.051	2.909	11.5	20.7
3 2	12 17.74	− 4 53.7	1.973	2.904	8.2	20.5
3 12	12 10.07	− 4 24.1	1.921	2.898	4.4	20.2
3 22	12 1.48	− 3 46.0	1.897	2.892	1.1	20.0
4 1	11 52.88	− 3 4.3	1.902	2.886	4.3	20.2
4 11	11 45.18	− 2 24.7	1.935	2.880	8.1	20.4
4 21	11 39.11	− 1 51.8	1.994	2.873	11.7	20.6

262898 2007 CX_{33} 3 21.1 163°.95 4°.8/25.2 17

2 11	12 30.11	−13 26.2	1.952	2.681	16.7	20.8
2 21	12 26.00	−14 4.2	1.857	2.682	14.0	20.6
3 2	12 19.44	−14 24.0	1.782	2.683	10.8	20.4
3 12	12 10.95	−14 24.4	1.731	2.684	7.5	20.2
3 22	12 1.39	−14 6.4	1.706	2.685	5.0	20.0
4 1	11 51.80	−13 33.4	1.709	2.686	5.7	20.1
4 11	11 43.28	−12 51.6	1.740	2.687	8.7	20.2
4 21	11 36.65	−12 7.6	1.795	2.687	12.1	20.4

173210 1998 SM_{42} 3 21.1 352°.71 0°.5/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 23.72	− 4 4.8	1.386	2.193	18.8	19.6
2 21	12 21.77	− 3 49.9	1.304	2.189	15.0	19.3
3 2	12 16.95	− 3 14.5	1.241	2.185	10.5	19.0
3 12	12 9.86	− 2 22.2	1.200	2.183	5.3	18.7
3 22	12 1.51	− 1 19.4	1.185	2.181	0.6	18.4
4 1	11 53.22	− 0 15.2	1.195	2.180	5.9	18.7
4 11	11 46.29	+ 0 41.0	1.229	2.180	11.1	19.0
4 21	11 41.67	+ 1 22.3	1.285	2.180	15.7	19.3

302418 2002 CH_{217} 3 21.1 77°.78 0°.5/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.28	− 2 7.9	1.504	2.295	18.3	20.5
2 21	12 28.18	− 2 16.4	1.426	2.302	14.6	20.3
3 2	12 21.12	− 2 10.1	1.368	2.309	10.1	20.0
3 12	12 11.81	− 1 51.8	1.334	2.316	5.1	19.8
3 22	12 1.32	− 1 26.3	1.326	2.323	0.6	19.5
4 1	11 51.01	− 0 59.8	1.346	2.330	5.6	19.8
4 11	11 42.18	− 0 38.7	1.391	2.337	10.5	20.1
4 21	11 35.75	− 0 27.6	1.459	2.344	14.8	20.4

386825 2010 GJ_{124} 3 21.1 288°.57 2°.0/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.60	+ 3 6.4	2.158	2.956	13.2	21.5
2 21	12 21.36	+ 3 44.1	2.061	2.945	10.3	21.3
3 2	12 16.09	+ 4 31.7	1.988	2.934	7.0	21.0
3 12	12 9.27	+ 5 24.8	1.940	2.924	3.5	20.8
3 22	12 1.59	+ 6 17.6	1.921	2.913	2.4	20.7
4 1	11 53.90	+ 7 4.1	1.931	2.902	5.7	20.9
4 11	11 47.08	+ 7 39.3	1.968	2.892	9.3	21.1
4 21	11 41.80	+ 7 59.9	2.028	2.882	12.6	21.3

209049 2003 QW_{9} 3 21.1 239°.14 4°.4/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.71	+ 7 52.4	1.876	2.682	14.6	21.1
2 21	12 25.80	+ 8 55.1	1.780	2.668	11.5	20.9
3 2	12 19.37	+10 7.1	1.707	2.653	8.0	20.6
3 12	12 10.97	+11 21.4	1.661	2.638	4.9	20.4
3 22	12 1.41	+12 29.6	1.642	2.622	5.0	20.4
4 1	11 51.80	+13 23.6	1.651	2.606	8.2	20.5
4 11	11 43.24	+13 57.8	1.687	2.588	12.0	20.7
4 21	11 36.60	+14 9.7	1.744	2.571	15.5	20.9

403917 2011 YJ_{64} 3 21.1 96°.10 7°.6/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.97	+15 36.3	1.681	2.502	15.3	20.8
2 21	12 25.89	+17 20.1	1.631	2.522	12.2	20.6
3 2	12 19.23	+19 4.3	1.604	2.541	9.2	20.5
3 12	12 10.74	+20 38.0	1.603	2.560	7.6	20.4
3 22	12 1.45	+21 51.4	1.629	2.578	8.5	20.5
4 1	11 52.54	+22 37.7	1.681	2.596	11.0	20.7
4 11	11 45.07	+22 54.6	1.756	2.614	13.9	20.9
4 21	11 39.73	+22 44.1	1.851	2.631	16.5	21.1

170211 2003 PW_{8} 3 21.1 214°.59 1°.6/22.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.12	− 6 30.4	1.889	2.652	16.1	21.4
2 21	12 26.08	− 6 27.4	1.790	2.646	13.0	21.1
3 2	12 19.54	− 6 7.7	1.711	2.640	9.3	20.9
3 12	12 11.04	− 5 32.8	1.657	2.633	5.1	20.6
3 22	12 1.41	− 4 46.6	1.630	2.625	1.6	20.4
4 1	11 51.72	− 3 54.8	1.633	2.617	4.8	20.6
4 11	11 43.10	− 3 4.5	1.662	2.608	9.1	20.8
4 21	11 36.38	− 2 21.6	1.717	2.599	13.1	21.0

383866 2008 QO_{45} 3 21.1 206°.60 3°.2/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.64	−11 41.3	2.562	3.279	13.4	21.4
2 21	12 25.02	−12 0.6	2.452	3.274	11.1	21.2
3 2	12 18.46	−12 5.7	2.365	3.268	8.4	21.0
3 12	12 10.40	−11 56.7	2.304	3.262	5.5	20.8
3 22	12 1.49	−11 34.9	2.271	3.255	3.4	20.7
4 1	11 52.51	−11 3.3	2.268	3.247	4.2	20.7
4 11	11 44.29	−10 26.6	2.295	3.239	7.1	20.9
4 21	11 37.49	− 9 49.4	2.348	3.230	10.0	21.0

364315 2006 UW_{68} 3 21.1 203°.16 4°.3/16.4 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.82	+10 26.3	2.287	3.083	12.6	22.6
2 21	12 26.07	+11 22.3	2.197	3.078	9.9	22.4
3 2	12 19.21	+12 23.1	2.131	3.072	7.0	22.2
3 12	12 10.76	+13 22.5	2.093	3.065	4.6	22.0
3 22	12 1.46	+14 13.9	2.084	3.058	4.8	22.0
4 1	11 52.20	+14 51.8	2.104	3.049	7.4	22.2
4 11	11 43.88	+15 12.2	2.152	3.040	10.4	22.3
4 21	11 37.19	+15 14.3	2.223	3.030	13.2	22.5

464448 2016 BP_{36} 3 21.1 339°.74 5°.5/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.76	+ 8 32.4	1.483	2.311	16.6	20.8
2 21	12 23.16	+ 9 49.0	1.408	2.309	13.0	20.5
3 2	12 17.76	+11 16.0	1.355	2.306	9.1	20.3
3 12	12 10.21	+12 43.5	1.327	2.304	5.9	20.1
3 22	12 1.51	+14 0.9	1.324	2.302	6.3	20.1
4 1	11 52.94	+14 58.4	1.347	2.300	9.8	20.3
4 11	11 45.74	+15 29.9	1.393	2.298	13.8	20.5
4 21	11 40.78	+15 34.3	1.459	2.297	17.4	20.7

341713 2007 VC_{189} 3 21.1 83°.05 5°.7/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 24.68	−21 20.0	2.375	3.052	15.3	20.3
2 21	12 21.26	−21 35.0	2.286	3.066	13.2	20.2
3 2	12 15.90	−21 28.6	2.217	3.080	10.7	20.0
3 12	12 9.13	−21 0.2	2.171	3.094	8.2	19.9
3 22	12 1.64	−20 10.9	2.151	3.108	6.2	19.8
4 1	11 54.25	−19 4.8	2.158	3.122	5.9	19.8
4 11	11 47.76	−17 48.1	2.193	3.135	7.5	19.9
4 21	11 42.78	−16 27.9	2.255	3.149	9.9	20.1

128380 2004 JF_{34} 3 21.1 165°.76 4°.8/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.46	+ 8 33.2	1.760	2.567	15.3	20.2
2 21	12 27.10	+ 9 43.4	1.684	2.572	12.0	20.0
3 2	12 20.16	+11 1.8	1.631	2.577	8.3	19.8
3 12	12 11.29	+12 20.0	1.604	2.580	5.3	19.6
3 22	12 1.42	+13 29.0	1.606	2.583	5.4	19.6
4 1	11 51.73	+14 21.0	1.635	2.586	8.6	19.8
4 11	11 43.32	+14 51.1	1.689	2.587	12.2	20.0
4 21	11 37.00	+14 58.2	1.766	2.588	15.5	20.3

58650 1997 WR_{39} 3 21.1 208°.84 3°.6/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.49	+ 6 25.3	1.952	2.751	14.4	20.1
2 21	12 26.22	+ 7 23.4	1.861	2.745	11.2	19.8
3 2	12 19.54	+ 8 31.1	1.792	2.738	7.7	19.6
3 12	12 11.01	+ 9 41.6	1.751	2.730	4.4	19.4
3 22	12 1.45	+10 47.4	1.738	2.722	4.2	19.4
4 1	11 51.91	+11 41.1	1.754	2.713	7.4	19.5
4 11	11 43.44	+12 17.2	1.796	2.703	11.1	19.7
4 21	11 36.82	+12 33.3	1.862	2.692	14.5	19.9

470183 2006 UA_{359} 3 21.1 216°.55 0°.3/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.63	− 1 38.0	2.562	3.335	12.1	22.1
2 21	12 21.00	− 1 14.8	2.463	3.331	9.5	21.9
3 2	12 15.64	− 0 40.9	2.389	3.327	6.5	21.7
3 12	12 8.99	+ 0 0.6	2.341	3.323	3.1	21.5
3 22	12 1.66	+ 0 45.7	2.323	3.319	0.5	21.2
4 1	11 54.35	+ 1 29.9	2.335	3.315	4.0	21.5
4 11	11 47.78	+ 2 8.7	2.375	3.310	7.3	21.7
4 21	11 42.50	+ 2 38.6	2.441	3.306	10.3	21.9

345679 2006 UL_{100} 3 21.1 112°.25 1°.8/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.49	+ 3 23.4	2.622	3.410	11.4	22.0
2 21	12 20.72	+ 4 6.1	2.544	3.422	8.8	21.8
3 2	12 15.33	+ 4 56.3	2.490	3.434	5.9	21.6
3 12	12 8.78	+ 5 49.7	2.464	3.446	2.9	21.4
3 22	12 1.69	+ 6 41.7	2.467	3.458	2.1	21.4
4 1	11 54.72	+ 7 27.4	2.501	3.469	4.8	21.6
4 11	11 48.53	+ 8 3.1	2.562	3.480	7.7	21.8
4 21	11 43.62	+ 8 26.5	2.649	3.491	10.3	22.0

341556 2007 UX_{23} 3 21.1 113°.38 1°.2/19.7 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.88	+ 0 39.5	2.348	3.133	12.7	21.0
2 21	12 21.26	+ 1 16.5	2.264	3.140	9.9	20.8
3 2	12 15.83	+ 2 3.7	2.205	3.148	6.6	20.6
3 12	12 9.08	+ 2 57.1	2.172	3.155	3.1	20.4
3 22	12 1.66	+ 3 51.5	2.168	3.163	1.4	20.3
4 1	11 54.36	+ 4 41.7	2.194	3.170	4.7	20.5
4 11	11 47.91	+ 5 22.8	2.248	3.177	8.1	20.7
4 21	11 42.88	+ 5 51.8	2.327	3.184	11.1	20.9

243840 2000 UP_{107} 3 21.1 173°.51 3°.4/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.07	+ 5 55.1	1.974	2.772	14.3	21.2
2 21	12 25.75	+ 6 55.3	1.892	2.776	11.1	21.0
3 2	12 19.11	+ 8 4.8	1.833	2.779	7.5	20.8
3 12	12 10.75	+ 9 16.8	1.801	2.781	4.2	20.6
3 22	12 1.49	+10 24.1	1.797	2.782	3.9	20.6
4 1	11 52.35	+11 19.3	1.823	2.783	7.1	20.7
4 11	11 44.31	+11 57.4	1.875	2.782	10.7	21.0
4 21	11 38.09	+12 16.1	1.951	2.782	13.9	21.2

157556 2005 UH_{87} 3 21.1 70°.14 0°.7/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.76	− 1 33.0	1.745	2.538	16.1	20.9
2 21	12 23.33	− 0 59.8	1.673	2.552	12.6	20.7
3 2	12 17.52	− 0 11.6	1.622	2.566	8.5	20.5
3 12	12 9.97	+ 0 46.7	1.596	2.580	4.0	20.2
3 22	12 1.58	+ 1 48.6	1.598	2.594	1.0	20.0
4 1	11 53.41	+ 2 46.6	1.628	2.608	5.4	20.4
4 11	11 46.46	+ 3 34.3	1.684	2.622	9.6	20.7
4 21	11 41.42	+ 4 7.4	1.763	2.636	13.3	20.9

78422 2002 QN_{41} 3 21.1 125°.40 2°.7/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.41	−10 5.9	2.502	3.230	13.5	19.6
2 21	12 24.71	−10 21.3	2.413	3.243	11.0	19.5
3 2	12 18.14	−10 22.8	2.345	3.255	8.1	19.3
3 12	12 10.20	−10 11.2	2.304	3.267	5.1	19.1
3 22	12 1.56	− 9 48.5	2.292	3.279	2.8	19.0
4 1	11 53.01	− 9 18.1	2.309	3.290	3.9	19.1
4 11	11 45.32	− 8 44.6	2.356	3.301	6.8	19.3
4 21	11 39.10	− 8 12.4	2.429	3.312	9.7	19.5

143472 2003 CJ_6 3 21.1 355°.37 3°.0/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 23.35	+ 5 40.6	2.094	2.901	13.2	19.6
2 21	12 20.38	+ 6 32.5	2.010	2.900	10.3	19.4
3 2	12 15.39	+ 7 32.9	1.951	2.899	6.9	19.2
3 12	12 8.93	+ 8 36.0	1.917	2.898	3.8	19.0
3 22	12 1.68	+ 9 35.4	1.912	2.898	3.5	19.0
4 1	11 54.52	+10 24.7	1.935	2.897	6.5	19.1
4 11	11 48.29	+10 59.2	1.984	2.897	9.8	19.3
4 21	11 43.61	+11 16.5	2.056	2.898	12.9	19.5

202173 2004 WA_1 3 21.1 257°.75 4°.0/25.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.58	−15 26.6	2.077	2.803	15.9	21.1
2 21	12 20.78	−15 15.4	1.972	2.795	13.4	20.9
3 2	12 15.83	−14 41.5	1.886	2.788	10.3	20.7
3 12	12 9.21	−13 45.1	1.825	2.780	6.9	20.4
3 22	12 1.65	−12 29.0	1.790	2.773	4.3	20.3
4 1	11 54.05	−10 59.0	1.783	2.765	4.9	20.3
4 11	11 47.35	− 9 23.4	1.805	2.757	8.0	20.4
4 21	11 42.29	− 7 50.6	1.852	2.749	11.5	20.6

427434 2000 WS_{63} 3 21.1 201°.19 4°.9/16.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.77	+13 13.7	2.230	3.029	12.8	22.0
2 21	12 26.83	+13 56.6	2.145	3.026	10.1	21.8
3 2	12 19.73	+14 41.3	2.084	3.023	7.3	21.6
3 12	12 11.02	+15 21.5	2.051	3.019	5.2	21.5
3 22	12 1.48	+15 51.3	2.046	3.014	5.4	21.5
4 1	11 52.04	+16 5.8	2.069	3.010	7.8	21.6
4 11	11 43.63	+16 2.4	2.120	3.004	10.7	21.8
4 21	11 36.93	+15 41.0	2.194	2.999	13.5	22.0

372531 2009 SN_{361} 3 21.1 151°.63 1°.6/19.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.12	+ 3 30.8	2.453	3.230	12.4	22.0
2 21	12 26.00	+ 3 53.2	2.368	3.239	9.7	21.9
3 2	12 18.98	+ 4 22.7	2.307	3.248	6.5	21.7
3 12	12 10.59	+ 4 55.4	2.275	3.257	3.2	21.5
3 22	12 1.53	+ 5 27.1	2.272	3.264	1.9	21.4
4 1	11 52.59	+ 5 53.5	2.300	3.272	4.9	21.6
4 11	11 44.58	+ 6 10.9	2.357	3.278	8.1	21.8
4 21	11 38.07	+ 6 17.3	2.439	3.284	11.0	22.0

216125 2006 SN_{71} 3 21.1 289°.50 0°.7/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.99	− 1 56.0	1.632	2.429	16.8	21.5
2 21	12 23.41	− 1 26.2	1.523	2.404	13.4	21.2
3 2	12 18.10	− 0 38.1	1.434	2.379	9.3	20.9
3 12	12 10.53	+ 0 24.8	1.370	2.354	4.5	20.5
3 22	12 1.51	+ 1 36.3	1.332	2.328	1.1	20.2
4 1	11 52.22	+ 2 47.4	1.321	2.302	6.2	20.5
4 11	11 43.96	+ 3 49.3	1.336	2.277	11.3	20.7
4 21	11 37.77	+ 4 34.9	1.373	2.251	16.0	20.9

346138 2007 VF_{222} 3 21.1 221°.50 0°.6/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.00	− 1 6.3	2.435	3.212	12.5	22.2
2 21	12 21.41	− 0 34.3	2.335	3.206	9.8	22.0
3 2	12 15.99	+ 0 9.0	2.260	3.200	6.7	21.8
3 12	12 9.21	+ 1 0.3	2.211	3.193	3.2	21.6
3 22	12 1.67	+ 1 55.0	2.191	3.187	0.9	21.4
4 1	11 54.14	+ 2 47.9	2.201	3.180	4.4	21.6
4 11	11 47.39	+ 3 33.8	2.240	3.173	7.9	21.8
4 21	11 42.00	+ 4 9.1	2.304	3.165	11.0	22.0

294074 2007 TE_{180} 3 21.1 98°.38 3°.3/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.36	−11 42.2	1.661	2.417	18.2	20.8
2 21	12 24.10	−11 37.4	1.579	2.426	15.0	20.6
3 2	12 18.24	−11 9.2	1.517	2.436	11.1	20.3
3 12	12 10.41	−10 18.9	1.478	2.446	6.9	20.1
3 22	12 1.56	− 9 10.7	1.465	2.455	3.5	19.9
4 1	11 52.84	− 7 52.1	1.479	2.464	5.1	20.0
4 11	11 45.40	− 6 32.5	1.520	2.473	9.2	20.3
4 21	11 40.04	− 5 20.2	1.585	2.482	13.1	20.5

140485 2001 TJ_{142} 3 21.1 24°.08 4°.6/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.98	+ 8 43.7	1.432	2.257	17.3	19.1
2 21	12 25.64	+ 9 17.6	1.366	2.264	13.5	18.8
3 2	12 19.39	+ 9 58.0	1.320	2.271	9.3	18.6
3 12	12 10.97	+10 37.2	1.298	2.278	5.5	18.4
3 22	12 1.51	+11 7.1	1.302	2.287	5.1	18.4
4 1	11 52.34	+11 20.9	1.332	2.296	8.6	18.6
4 11	11 44.71	+11 14.9	1.385	2.305	12.7	18.9
4 21	11 39.45	+10 48.7	1.459	2.316	16.5	19.1

288645 2004 PJ_{38} 3 21.1 252°.07 2°.2/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.40	+ 2 39.8	2.213	3.003	13.1	21.1
2 21	12 22.83	+ 3 32.4	2.105	2.985	10.3	20.9
3 2	12 17.17	+ 4 36.8	2.021	2.966	7.0	20.6
3 12	12 9.87	+ 5 48.2	1.964	2.946	3.5	20.3
3 22	12 1.61	+ 7 0.1	1.936	2.926	2.6	20.2
4 1	11 53.25	+ 8 5.9	1.937	2.906	6.0	20.4
4 11	11 45.69	+ 8 59.3	1.966	2.884	9.7	20.6
4 21	11 39.67	+ 9 36.4	2.019	2.863	13.1	20.8

157784 3458 T-3 3 21.1 154°.42 1°.0/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 28.48	+ 0 52.1	2.128	2.912	13.8	20.6
2 21	12 24.32	+ 1 13.9	2.041	2.916	10.9	20.4
3 2	12 18.06	+ 1 46.0	1.977	2.919	7.3	20.1
3 12	12 10.23	+ 2 24.6	1.940	2.923	3.5	19.9
3 22	12 1.59	+ 3 4.8	1.931	2.926	1.3	19.7
4 1	11 53.05	+ 3 41.3	1.951	2.928	5.0	20.0
4 11	11 45.49	+ 4 9.3	1.999	2.931	8.7	20.2
4 21	11 39.58	+ 4 25.7	2.072	2.933	12.1	20.4

294049 2007 TC_{148} 3 21.1 140°.38 1°.2/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.37	+ 0 1.5	1.949	2.732	15.0	21.5
2 21	12 25.93	+ 0 41.1	1.870	2.744	11.7	21.3
3 2	12 19.20	+ 1 33.4	1.814	2.756	7.9	21.1
3 12	12 10.79	+ 2 33.7	1.783	2.767	3.7	20.8
3 22	12 1.55	+ 3 35.6	1.782	2.777	1.6	20.7
4 1	11 52.48	+ 4 32.4	1.810	2.786	5.5	21.0
4 11	11 44.55	+ 5 18.1	1.865	2.795	9.4	21.2
4 21	11 38.46	+ 5 49.2	1.945	2.803	12.9	21.4

310513 2000 WF_{174} 3 21.1 130°.40 0°.8/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.60	− 7 6.3	1.929	2.690	15.8	21.2
2 21	12 24.58	− 6 24.3	1.848	2.706	12.6	21.0
3 2	12 18.30	− 5 23.2	1.789	2.720	8.8	20.8
3 12	12 10.36	− 4 6.7	1.756	2.734	4.6	20.6
3 22	12 1.60	− 2 41.1	1.751	2.747	0.8	20.3
4 1	11 53.02	− 1 14.3	1.776	2.760	4.6	20.6
4 11	11 45.57	+ 0 5.9	1.829	2.772	8.7	20.9
4 21	11 39.94	+ 1 13.2	1.907	2.783	12.3	21.2

445893 2012 VC_{39} 3 21.1 123°.58 0°.3/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.19	− 3 11.7	1.620	2.402	17.5	22.5
2 21	12 27.78	− 2 36.2	1.547	2.419	13.9	22.3
3 2	12 20.67	− 1 42.9	1.496	2.435	9.5	22.0
3 12	12 11.56	− 0 36.6	1.469	2.451	4.6	21.8
3 22	12 1.48	+ 0 35.3	1.470	2.466	0.6	21.5
4 1	11 51.67	+ 1 44.6	1.499	2.480	5.6	21.9
4 11	11 43.29	+ 2 43.1	1.555	2.493	10.2	22.2
4 21	11 37.13	+ 3 25.9	1.634	2.506	14.2	22.5

286136 2001 TA_{182} 3 21.1 104°.39 1°.2/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.67	+ 2 16.4	2.384	3.167	12.6	20.6
2 21	12 23.40	+ 2 32.8	2.301	3.175	9.8	20.5
3 2	12 17.27	+ 2 57.1	2.241	3.183	6.6	20.3
3 12	12 9.80	+ 3 25.7	2.208	3.191	3.1	20.1
3 22	12 1.66	+ 3 54.6	2.205	3.199	1.4	19.9
4 1	11 53.65	+ 4 19.3	2.231	3.207	4.6	20.2
4 11	11 46.52	+ 4 36.4	2.286	3.214	8.0	20.4
4 21	11 40.86	+ 4 43.3	2.365	3.222	10.9	20.6

435930 2009 BY_{144} 3 21.1 334°.46 1°.1/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.36	+ 0 15.4	1.869	2.669	14.8	21.2
2 21	12 20.75	+ 0 40.1	1.775	2.659	11.7	21.0
3 2	12 15.89	+ 1 17.8	1.703	2.649	8.0	20.7
3 12	12 9.29	+ 2 4.2	1.656	2.640	3.8	20.5
3 22	12 1.72	+ 2 53.8	1.636	2.632	1.4	20.3
4 1	11 54.14	+ 3 39.9	1.644	2.623	5.5	20.5
4 11	11 47.54	+ 4 16.6	1.678	2.616	9.7	20.7
4 21	11 42.68	+ 4 39.6	1.735	2.609	13.4	21.0

85387 1996 PF_7 3 21.1 240°.33 0°.0/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.10	− 3 14.5	2.226	2.996	13.7	20.7
2 21	12 23.36	− 2 45.7	2.116	2.981	10.9	20.5
3 2	12 17.53	− 2 2.7	2.030	2.966	7.6	20.2
3 12	12 10.06	− 1 8.5	1.969	2.950	3.7	20.0
3 22	12 1.64	− 0 7.6	1.938	2.934	0.4	19.7
4 1	11 53.13	+ 0 54.0	1.936	2.917	4.5	20.0
4 11	11 45.43	+ 1 50.0	1.963	2.900	8.5	20.2
4 21	11 39.27	+ 2 35.4	2.014	2.882	12.1	20.3

249097 2007 VS_{176} 3 21.1 286°.48 0°.2/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.21	− 2 58.2	1.545	2.343	17.6	21.4
2 21	12 23.71	− 2 32.8	1.442	2.323	14.1	21.1
3 2	12 18.38	− 1 47.7	1.360	2.303	9.8	20.8
3 12	12 10.71	− 0 46.5	1.300	2.283	4.8	20.5
3 22	12 1.58	+ 0 24.7	1.267	2.263	0.6	20.1
4 1	11 52.24	+ 1 36.8	1.260	2.243	6.1	20.4
4 11	11 44.03	+ 2 40.2	1.279	2.223	11.4	20.7
4 21	11 38.01	+ 3 27.8	1.320	2.203	16.1	20.9

503235 2015 HL_{137} 3 21.1 5°.20 2°.1/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.24	+ 2 36.5	2.069	2.871	13.6	21.3
2 21	12 20.33	+ 3 21.9	1.985	2.871	10.6	21.0
3 2	12 15.40	+ 4 17.9	1.923	2.871	7.1	20.8
3 12	12 8.98	+ 5 19.5	1.888	2.872	3.5	20.6
3 22	12 1.77	+ 6 20.5	1.881	2.873	2.4	20.5
4 1	11 54.65	+ 7 14.5	1.902	2.874	5.7	20.7
4 11	11 48.46	+ 7 56.1	1.950	2.875	9.3	21.0
4 21	11 43.83	+ 8 22.1	2.022	2.877	12.6	21.2

428159 2006 SS_{289} 3 21.1 171°.19 4°.4/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 24.16	+11 44.6	2.556	3.362	11.1	21.0
2 21	12 20.63	+12 55.1	2.477	3.364	8.7	20.8
3 2	12 15.39	+14 9.0	2.424	3.365	6.2	20.6
3 12	12 8.91	+15 20.4	2.398	3.366	4.5	20.5
3 22	12 1.79	+16 23.2	2.402	3.367	5.0	20.6
4 1	11 54.75	+17 12.3	2.434	3.368	7.1	20.7
4 11	11 48.50	+17 44.2	2.492	3.368	9.6	20.9
4 21	11 43.57	+17 58.0	2.574	3.368	12.0	21.0

374952 2007 CZ_{14} 3 21.1 328°.11 4°.0/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.25	+ 3 51.8	1.565	2.390	16.1	20.2
2 21	12 19.55	+ 5 18.9	1.480	2.380	12.5	20.0
3 2	12 15.31	+ 7 2.5	1.417	2.371	8.5	19.7
3 12	12 9.09	+ 8 54.2	1.380	2.362	4.8	19.5
3 22	12 1.76	+10 43.0	1.368	2.353	4.8	19.4
4 1	11 54.45	+12 17.3	1.383	2.345	8.6	19.6
4 11	11 48.28	+13 28.6	1.423	2.338	12.9	19.9
4 21	11 44.11	+14 12.6	1.484	2.331	16.7	20.1

337722 2001 UB_{48} 3 21.1 116°.30 4°.4/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.67	−19 50.1	2.681	3.361	13.7	20.9
2 21	12 20.22	−19 38.8	2.587	3.374	11.7	20.7
3 2	12 15.10	−19 7.8	2.514	3.386	9.3	20.6
3 12	12 8.76	−18 17.3	2.465	3.398	6.8	20.4
3 22	12 1.81	−17 9.6	2.443	3.410	4.8	20.3
4 1	11 54.96	−15 49.0	2.450	3.421	4.7	20.3
4 11	11 48.89	−14 21.5	2.487	3.433	6.5	20.5
4 21	11 44.12	−12 53.7	2.551	3.443	8.9	20.6

410011 2006 WL_{77} 3 21.1 75°.84 2°.2/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.35	+ 2 50.2	1.664	2.467	16.3	21.3
2 21	12 25.45	+ 3 26.4	1.597	2.483	12.7	21.1
3 2	12 19.02	+ 4 14.1	1.551	2.499	8.5	20.9
3 12	12 10.75	+ 5 7.0	1.531	2.514	4.1	20.7
3 22	12 1.62	+ 5 58.2	1.538	2.530	2.6	20.6
4 1	11 52.77	+ 6 40.6	1.572	2.546	6.5	20.9
4 11	11 45.27	+ 7 8.6	1.633	2.561	10.6	21.2
4 21	11 39.83	+ 7 20.0	1.716	2.577	14.2	21.4

457177 2008 GC_{105} 3 21.1 33°.97 3°.9/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.97	+ 6 0.9	1.536	2.356	16.6	21.4
2 21	12 23.92	+ 6 51.5	1.465	2.361	12.9	21.2
3 2	12 18.18	+ 7 52.4	1.416	2.367	8.8	20.9
3 12	12 10.42	+ 8 55.9	1.391	2.372	4.9	20.7
3 22	12 1.65	+ 9 53.3	1.392	2.379	4.4	20.7
4 1	11 53.09	+10 36.6	1.420	2.385	8.0	20.9
4 11	11 45.90	+11 0.3	1.472	2.392	12.1	21.2
4 21	11 40.87	+11 2.7	1.545	2.399	15.8	21.4

431283 2006 UN_{194} 3 21.1 191°.31 0°.0/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.47	− 2 51.3	2.767	3.531	11.5	22.1
2 21	12 20.75	− 2 25.8	2.668	3.530	9.1	21.9
3 2	12 15.43	− 1 49.7	2.593	3.528	6.2	21.7
3 12	12 8.93	− 1 5.6	2.546	3.527	3.0	21.5
3 22	12 1.81	− 0 17.3	2.528	3.524	0.3	21.2
4 1	11 54.71	+ 0 30.9	2.541	3.522	3.6	21.5
4 11	11 48.29	+ 1 14.7	2.582	3.519	6.8	21.7
4 21	11 43.07	+ 1 50.5	2.651	3.516	9.6	21.9

94809 2001 XV_{167} 3 21.1 222°.36 2°.1/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.91	− 8 41.7	1.821	2.580	16.7	20.3
2 21	12 25.30	− 8 30.3	1.719	2.572	13.7	20.0
3 2	12 19.15	− 7 58.9	1.637	2.563	9.9	19.8
3 12	12 10.96	− 7 8.8	1.580	2.554	5.7	19.5
3 22	12 1.59	− 6 4.0	1.550	2.544	2.2	19.2
4 1	11 52.13	− 4 51.2	1.549	2.533	4.9	19.4
4 11	11 43.74	− 3 39.0	1.574	2.522	9.3	19.6
4 21	11 37.30	− 2 34.9	1.624	2.511	13.4	19.8

198592 Antbernal 3 21.1 210°.46 3°.1/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.43	+ 5 50.4	2.164	2.966	13.0	20.3
2 21	12 21.97	+ 6 47.1	2.077	2.964	10.1	20.1
3 2	12 16.50	+ 7 52.4	2.014	2.961	6.9	19.9
3 12	12 9.52	+ 9 0.4	1.978	2.958	3.8	19.7
3 22	12 1.75	+10 4.5	1.971	2.956	3.6	19.7
4 1	11 54.03	+10 58.4	1.992	2.953	6.5	19.8
4 11	11 47.22	+11 37.2	2.040	2.950	9.9	20.0
4 21	11 41.98	+11 58.4	2.112	2.946	12.9	20.2

140540 2001 TU_{184} 3 21.1 310°.78 2°.1/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.44	+ 5 35.2	2.124	2.916	13.6	20.1
2 21	12 25.97	+ 5 39.5	2.029	2.908	10.7	19.9
3 2	12 19.28	+ 5 49.5	1.957	2.901	7.3	19.7
3 12	12 10.90	+ 6 1.3	1.912	2.894	3.7	19.5
3 22	12 1.61	+ 6 10.6	1.895	2.887	2.4	19.4
4 1	11 52.35	+ 6 13.3	1.908	2.880	5.6	19.6
4 11	11 44.07	+ 6 6.1	1.948	2.873	9.3	19.8
4 21	11 37.50	+ 5 47.5	2.013	2.867	12.6	20.0

151126 2001 XD_{2} 3 21.1 132°.09 9°.3/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 34.23	−25 53.3	2.135	2.772	17.8	20.3
2 21	12 29.37	−27 18.1	2.042	2.780	15.9	20.1
3 2	12 21.89	−28 21.6	1.968	2.787	13.7	20.0
3 12	12 12.30	−28 59.2	1.914	2.794	11.5	19.8
3 22	12 1.47	−29 8.1	1.885	2.801	9.8	19.8
4 1	11 50.53	−28 49.0	1.882	2.808	9.4	19.7
4 11	11 40.68	−28 6.8	1.904	2.814	10.4	19.8
4 21	11 32.83	−27 9.3	1.950	2.820	12.3	19.9

272976 2006 DE_{12} 3 21.1 246°.07 1°.7/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.18	+ 1 11.6	2.115	2.907	13.6	21.1
2 21	12 21.90	+ 1 58.7	2.018	2.898	10.7	20.9
3 2	12 16.54	+ 2 58.2	1.944	2.889	7.2	20.7
3 12	12 9.59	+ 4 5.4	1.897	2.880	3.5	20.4
3 22	12 1.75	+ 5 14.0	1.878	2.871	2.1	20.3
4 1	11 53.90	+ 6 17.4	1.888	2.861	5.6	20.5
4 11	11 46.94	+ 7 9.4	1.926	2.852	9.4	20.7
4 21	11 41.55	+ 7 46.0	1.987	2.842	12.8	20.9

209531 2004 TY_{145} 3 21.1 183°.35 1°.9/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.19	− 8 51.1	2.042	2.799	15.2	20.4
2 21	12 21.97	− 8 35.5	1.948	2.799	12.4	20.2
3 2	12 16.61	− 8 1.7	1.874	2.799	8.9	20.0
3 12	12 9.62	− 7 11.7	1.826	2.799	5.1	19.8
3 22	12 1.75	− 6 9.5	1.806	2.799	2.0	19.6
4 1	11 53.92	− 5 1.1	1.813	2.799	4.3	19.7
4 11	11 47.03	− 3 53.7	1.849	2.798	8.1	19.9
4 21	11 41.80	− 2 53.7	1.910	2.798	11.7	20.2

161974 2007 KP_{7} 3 21.1 349°.05 6°.9/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.50	−19 14.9	1.705	2.427	19.0	19.6
2 21	12 21.31	−19 49.0	1.612	2.423	16.4	19.3
3 2	12 16.55	−19 57.4	1.535	2.420	13.3	19.1
3 12	12 9.74	−19 37.7	1.480	2.417	10.0	18.9
3 22	12 1.74	−18 50.2	1.448	2.415	7.4	18.8
4 1	11 53.69	−17 39.5	1.442	2.413	7.2	18.7
4 11	11 46.78	−16 14.1	1.461	2.412	9.6	18.9
4 21	11 41.90	−14 44.4	1.503	2.411	13.0	19.1

468753 2011 DZ_{19} 3 21.1 336°.72 3°.4/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.87	+ 4 58.8	1.463	2.290	16.9	20.5
2 21	12 21.84	+ 5 35.8	1.377	2.277	13.3	20.3
3 2	12 17.03	+ 6 24.9	1.312	2.264	9.1	20.0
3 12	12 10.01	+ 7 19.4	1.269	2.253	4.8	19.7
3 22	12 1.72	+ 8 10.9	1.253	2.242	3.9	19.6
4 1	11 53.42	+ 8 50.9	1.261	2.233	8.0	19.8
4 11	11 46.40	+ 9 12.7	1.293	2.224	12.6	20.0
4 21	11 41.58	+ 9 13.1	1.346	2.216	16.7	20.3

267208 2000 SU_{263} 3 21.1 136°.20 0°.4/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.79	− 3 26.2	2.088	2.858	14.5	21.4
2 21	12 24.63	− 3 15.2	2.001	2.865	11.5	21.2
3 2	12 18.33	− 2 50.9	1.936	2.871	8.0	21.0
3 12	12 10.42	− 2 16.3	1.898	2.878	4.0	20.8
3 22	12 1.69	− 1 35.5	1.888	2.884	0.5	20.5
4 1	11 53.07	− 0 53.8	1.907	2.890	4.4	20.8
4 11	11 45.45	− 0 16.8	1.954	2.896	8.3	21.0
4 21	11 39.52	+ 0 11.5	2.026	2.901	11.7	21.3

122214 2000 NR_{7} 3 21.1 180°.66 0°.8/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.94	− 0 57.5	2.352	3.127	12.9	20.5
2 21	12 22.97	− 0 15.9	2.259	3.128	10.2	20.3
3 2	12 17.10	+ 0 37.8	2.189	3.129	6.9	20.1
3 12	12 9.81	+ 1 39.5	2.147	3.129	3.3	19.9
3 22	12 1.77	+ 2 44.1	2.134	3.129	1.1	19.7
4 1	11 53.78	+ 3 45.8	2.151	3.128	4.6	19.9
4 11	11 46.63	+ 4 39.0	2.196	3.126	8.2	20.2
4 21	11 40.95	+ 5 19.9	2.267	3.124	11.3	20.4

346167 2007 VC_{314} 3 21.1 122°.09 4°.0/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.67	−17 50.3	2.882	3.565	12.8	22.0
2 21	12 21.62	−17 51.2	2.791	3.582	10.8	21.9
3 2	12 15.98	−17 35.4	2.722	3.599	8.5	21.7
3 12	12 9.19	−17 3.0	2.678	3.615	6.1	21.6
3 22	12 1.84	−16 16.1	2.661	3.631	4.3	21.5
4 1	11 54.59	−15 17.9	2.675	3.646	4.3	21.5
4 11	11 48.08	−14 13.6	2.717	3.661	6.1	21.7
4 21	11 42.81	−13 8.3	2.787	3.675	8.4	21.8

237664 2001 SM_{227} 3 21.1 72°.45 1°.8/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.75	+ 1 53.5	1.382	2.192	18.7	20.4
2 21	12 27.95	+ 2 13.7	1.314	2.202	14.7	20.1
3 2	12 21.07	+ 2 47.5	1.265	2.213	9.9	19.9
3 12	12 11.89	+ 3 29.2	1.240	2.224	4.7	19.6
3 22	12 1.58	+ 4 11.2	1.240	2.235	2.2	19.5
4 1	11 51.55	+ 4 45.7	1.267	2.245	6.9	19.8
4 11	11 43.14	+ 5 6.5	1.319	2.256	11.8	20.1
4 21	11 37.25	+ 5 10.3	1.392	2.267	16.0	20.4

339508 2005 GR_{100} 3 21.1 183°.45 1°.7/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 28.19	+ 3 49.7	2.515	3.298	12.0	21.5
2 21	12 23.79	+ 4 11.8	2.423	3.298	9.3	21.3
3 2	12 17.58	+ 4 40.9	2.356	3.298	6.3	21.1
3 12	12 10.02	+ 5 13.1	2.316	3.298	3.1	20.9
3 22	12 1.76	+ 5 44.3	2.305	3.297	1.9	20.8
4 1	11 53.57	+ 6 10.3	2.325	3.296	4.8	21.0
4 11	11 46.19	+ 6 27.4	2.373	3.295	8.0	21.2
4 21	11 40.21	+ 6 33.5	2.446	3.293	10.9	21.4

478054 2011 TX 3 21.1 280°.68 2°.1/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.48	− 7 42.2	2.435	3.183	13.3	21.3
2 21	12 22.65	− 7 54.3	2.332	3.177	10.8	21.1
3 2	12 16.93	− 7 53.6	2.251	3.172	7.9	20.9
3 12	12 9.76	− 7 41.0	2.196	3.167	4.6	20.7
3 22	12 1.79	− 7 18.7	2.170	3.161	2.1	20.5
4 1	11 53.79	− 6 50.3	2.172	3.156	3.8	20.6
4 11	11 46.56	− 6 20.3	2.203	3.151	7.1	20.8
4 21	11 40.74	− 5 52.9	2.261	3.145	10.3	21.0

437148 2012 VN_{21} 3 21.1 68°.40 2°.8/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.00	−12 21.6	2.286	3.022	14.4	21.4
2 21	12 20.00	−12 6.4	2.194	3.028	11.8	21.2
3 2	12 15.12	−11 32.8	2.123	3.034	8.8	21.0
3 12	12 8.86	−10 42.1	2.077	3.040	5.5	20.8
3 22	12 1.88	− 9 37.7	2.058	3.046	3.0	20.7
4 1	11 54.96	− 8 25.0	2.069	3.053	4.0	20.8
4 11	11 48.90	− 7 10.7	2.108	3.059	7.1	21.0
4 21	11 44.28	− 6 1.0	2.173	3.065	10.3	21.2

417598 2006 VM_{117} 3 21.1 226°.25 3°.0/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.02	+ 5 39.7	1.996	2.793	14.2	21.6
2 21	12 25.85	+ 6 19.7	1.902	2.785	11.1	21.4
3 2	12 19.33	+ 7 8.5	1.831	2.776	7.6	21.2
3 12	12 11.00	+ 8 0.5	1.786	2.767	4.1	20.9
3 22	12 1.67	+ 8 49.2	1.769	2.757	3.4	20.9
4 1	11 52.33	+ 9 28.3	1.781	2.746	6.7	21.1
4 11	11 44.01	+ 9 52.7	1.820	2.735	10.5	21.3
4 21	11 37.48	+10 0.1	1.882	2.724	13.9	21.4

457675 2009 DG_{71} 3 21.1 335°.67 0°.8/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.46	− 0 42.4	1.288	2.107	19.2	20.8
2 21	12 23.51	− 0 30.7	1.204	2.097	15.3	20.6
3 2	12 18.41	− 0 1.2	1.138	2.088	10.6	20.2
3 12	12 10.79	+ 0 41.6	1.095	2.080	5.1	19.9
3 22	12 1.68	+ 1 30.8	1.076	2.072	1.1	19.6
4 1	11 52.55	+ 2 17.5	1.082	2.066	6.8	20.0
4 11	11 44.88	+ 2 52.8	1.111	2.060	12.3	20.2
4 21	11 39.73	+ 3 11.1	1.161	2.055	17.1	20.5

202254 2005 AW_{26} 3 21.1 94°.62 3°.1/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.17	−11 41.0	2.144	2.883	15.1	20.4
2 21	12 22.58	−11 42.3	2.057	2.893	12.4	20.2
3 2	12 16.94	−11 25.6	1.991	2.903	9.3	20.0
3 12	12 9.76	−10 52.0	1.949	2.913	5.9	19.8
3 22	12 1.81	−10 4.3	1.935	2.922	3.2	19.7
4 1	11 53.94	− 9 7.5	1.949	2.932	4.3	19.8
4 11	11 47.04	− 8 8.2	1.992	2.942	7.5	20.0
4 21	11 41.75	− 7 12.2	2.059	2.951	10.8	20.2

176675 2002 PS_{51} 3 21.1 169°.88 0°.6/20.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.97	− 1 8.1	2.147	2.921	14.0	22.0
2 21	12 25.52	− 0 40.2	2.057	2.925	11.1	21.8
3 2	12 18.93	+ 0 0.0	1.990	2.929	7.5	21.6
3 12	12 10.74	+ 0 48.8	1.949	2.932	3.6	21.3
3 22	12 1.71	+ 1 41.1	1.938	2.934	0.9	21.1
4 1	11 52.76	+ 2 31.1	1.957	2.936	4.8	21.4
4 11	11 44.80	+ 3 13.2	2.003	2.936	8.6	21.6
4 21	11 38.50	+ 3 43.7	2.075	2.937	12.0	21.9

344376 2001 XJ_{201} 3 21.1 74°.84 4°.2/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.89	−17 27.1	2.309	3.017	15.0	20.6
2 21	12 19.92	−17 14.7	2.219	3.027	12.6	20.5
3 2	12 15.07	−16 40.9	2.148	3.038	9.8	20.3
3 12	12 8.83	−15 46.4	2.101	3.048	6.9	20.1
3 22	12 1.90	−14 34.0	2.082	3.058	4.5	20.0
4 1	11 55.06	−13 9.0	2.091	3.068	4.7	20.0
4 11	11 49.09	−11 38.6	2.128	3.079	7.1	20.2
4 21	11 44.59	−10 10.1	2.192	3.089	10.0	20.4

439096 2011 SH_{11} 3 21.1 163°.88 2°.4/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.57	−10 45.1	2.726	3.455	12.4	21.7
2 21	12 20.91	−10 43.5	2.626	3.458	10.2	21.5
3 2	12 15.59	−10 27.9	2.549	3.460	7.5	21.4
3 12	12 9.06	− 9 59.3	2.498	3.462	4.7	21.2
3 22	12 1.88	− 9 20.0	2.475	3.463	2.5	21.0
4 1	11 54.72	− 8 33.9	2.483	3.465	3.6	21.1
4 11	11 48.27	− 7 45.5	2.519	3.466	6.3	21.3
4 21	11 43.06	− 6 59.4	2.582	3.468	9.1	21.5

135677 2002 NG_{42} 3 21.1 301°.99 0°.7/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 27.75	− 3 10.7	1.508	2.304	18.0	20.1
2 21	12 25.03	− 3 14.4	1.407	2.286	14.5	19.9
3 2	12 19.37	− 3 1.5	1.326	2.268	10.3	19.5
3 12	12 11.27	− 2 34.2	1.268	2.249	5.3	19.2
3 22	12 1.65	− 1 56.7	1.235	2.232	0.7	18.8
4 1	11 51.81	− 1 16.1	1.229	2.214	5.8	19.1
4 11	11 43.15	− 0 40.1	1.248	2.197	11.1	19.4
4 21	11 36.78	− 0 15.0	1.288	2.180	15.9	19.6

55339 2001 SO_{125} 3 21.1 36°.76 2°.4/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.84	− 8 20.6	1.542	2.321	18.4	18.8
2 21	12 23.11	− 8 20.6	1.465	2.329	14.9	18.6
3 2	12 17.70	− 7 59.2	1.407	2.338	10.8	18.4
3 12	12 10.26	− 7 18.6	1.372	2.347	6.2	18.1
3 22	12 1.76	− 6 23.4	1.363	2.356	2.5	17.9
4 1	11 53.42	− 5 21.0	1.380	2.366	5.1	18.1
4 11	11 46.39	− 4 20.1	1.422	2.376	9.6	18.4
4 21	11 41.51	− 3 28.2	1.488	2.387	13.7	18.6

42991 1999 TY_{251} 3 21.1 255°.49 4°.6/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.83	+ 7 28.8	1.735	2.548	15.3	19.7
2 21	12 24.56	+ 8 36.6	1.643	2.535	12.0	19.4
3 2	12 18.70	+ 9 55.1	1.574	2.523	8.3	19.2
3 12	12 10.79	+11 16.4	1.531	2.509	5.1	18.9
3 22	12 1.71	+12 31.5	1.515	2.496	5.2	18.9
4 1	11 52.59	+13 31.5	1.527	2.482	8.6	19.1
4 11	11 44.59	+14 9.9	1.563	2.468	12.6	19.3
4 21	11 38.60	+14 24.4	1.621	2.454	16.2	19.5

459669 2013 LT_{14} 3 21.1 296°.45 4°.5/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.73	+ 6 55.4	1.491	2.313	16.9	21.4
2 21	12 25.07	+ 7 45.1	1.393	2.290	13.4	21.1
3 2	12 19.42	+ 8 46.9	1.316	2.267	9.3	20.8
3 12	12 11.31	+ 9 53.2	1.263	2.243	5.4	20.5
3 22	12 1.65	+10 54.6	1.235	2.220	5.2	20.4
4 1	11 51.79	+11 41.2	1.234	2.198	9.2	20.6
4 11	11 43.15	+12 5.8	1.256	2.175	13.9	20.8
4 21	11 36.83	+12 5.2	1.298	2.153	18.2	21.0

57101 2001 OC_{70} 3 21.1 129°.80 0°.6/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.37	− 0 56.1	2.414	3.180	12.9	20.1
2 21	12 25.44	− 0 27.8	2.335	3.199	10.1	19.9
3 2	12 18.64	+ 0 11.0	2.280	3.217	6.8	19.7
3 12	12 10.51	+ 0 56.6	2.252	3.234	3.2	19.5
3 22	12 1.76	+ 1 44.4	2.255	3.251	0.8	19.4
4 1	11 53.19	+ 2 29.7	2.288	3.267	4.3	19.6
4 11	11 45.55	+ 3 7.7	2.351	3.282	7.7	19.9
4 21	11 39.43	+ 3 35.5	2.439	3.296	10.6	20.1

87840 2000 SW_{193} 3 21.1 223°.29 2°.9/18.2 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.05	+ 5 25.1	2.128	2.925	13.4	20.1
2 21	12 24.13	+ 6 9.4	2.035	2.918	10.5	19.9
3 2	12 18.06	+ 7 2.3	1.965	2.911	7.1	19.7
3 12	12 10.36	+ 7 58.5	1.922	2.903	3.8	19.5
3 22	12 1.77	+ 8 51.7	1.908	2.895	3.3	19.4
4 1	11 53.19	+ 9 35.8	1.923	2.887	6.4	19.6
4 11	11 45.54	+10 5.9	1.964	2.878	9.9	19.8
4 21	11 39.54	+10 19.7	2.030	2.869	13.1	20.0

401120 2011 US_{280} 3 21.1 146°.73 2°.5/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.13	−10 9.6	1.888	2.635	16.6	22.0
2 21	12 25.98	− 9 59.8	1.801	2.645	13.6	21.8
3 2	12 19.43	− 9 30.1	1.735	2.654	9.9	21.6
3 12	12 11.04	− 8 41.9	1.693	2.662	5.9	21.3
3 22	12 1.71	− 7 39.4	1.679	2.670	2.6	21.1
4 1	11 52.49	− 6 29.0	1.693	2.677	4.6	21.3
4 11	11 44.41	− 5 18.8	1.735	2.684	8.6	21.5
4 21	11 38.25	− 4 15.6	1.803	2.690	12.3	21.8

495419 2014 SM_{148} 3 21.1 315°.06 0°.1/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.27	− 7 20.4	1.501	2.296	18.1	20.4
2 21	12 18.99	− 6 11.9	1.405	2.283	14.6	20.1
3 2	12 15.10	− 4 34.2	1.329	2.271	10.2	19.9
3 12	12 9.11	− 2 31.8	1.276	2.259	5.1	19.5
3 22	12 1.89	− 0 14.0	1.250	2.247	0.5	19.1
4 1	11 54.60	+ 2 6.0	1.252	2.236	6.0	19.5
4 11	11 48.47	+ 4 14.4	1.279	2.225	11.3	19.8
4 21	11 44.41	+ 6 0.7	1.329	2.214	15.9	20.0

344307 2001 UU_{130} 3 21.1 127°.08 0°.8/20.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.35	+ 0 7.0	2.766	3.539	11.2	22.1
2 21	12 21.34	+ 0 41.3	2.683	3.552	8.8	22.0
3 2	12 15.78	+ 1 24.3	2.626	3.566	5.9	21.8
3 12	12 9.11	+ 2 12.8	2.596	3.578	2.8	21.6
3 22	12 1.91	+ 3 2.4	2.596	3.591	1.0	21.5
4 1	11 54.82	+ 3 48.9	2.626	3.603	4.0	21.7
4 11	11 48.47	+ 4 28.3	2.686	3.614	6.9	22.0
4 21	11 43.34	+ 4 57.8	2.772	3.625	9.6	22.1

338954 2004 ED_{104} 3 21.1 71°.80 0°.4/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 24.95	− 1 55.1	2.165	2.946	13.7	21.6
2 21	12 21.52	− 1 26.2	2.084	2.956	10.8	21.4
3 2	12 16.15	− 0 44.9	2.026	2.966	7.3	21.2
3 12	12 9.37	+ 0 5.2	1.994	2.976	3.5	21.0
3 22	12 1.88	+ 0 59.0	1.990	2.986	0.6	20.8
4 1	11 54.52	+ 1 50.8	2.016	2.997	4.5	21.1
4 11	11 48.09	+ 2 35.2	2.069	3.007	8.1	21.3
4 21	11 43.20	+ 3 8.5	2.147	3.017	11.3	21.6

302392 2002 CA_{81} 3 21.1 88°.81 2°.3/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.39	+ 0 58.8	1.511	2.318	17.5	20.8
2 21	12 25.03	+ 1 54.6	1.443	2.331	13.6	20.6
3 2	12 18.94	+ 3 6.2	1.396	2.344	9.1	20.4
3 12	12 10.83	+ 4 26.3	1.374	2.358	4.4	20.1
3 22	12 1.74	+ 5 45.9	1.378	2.371	2.7	20.1
4 1	11 52.92	+ 6 55.6	1.409	2.384	7.0	20.3
4 11	11 45.53	+ 7 47.9	1.466	2.396	11.4	20.6
4 21	11 40.34	+ 8 19.2	1.545	2.409	15.3	20.9

363076 2000 PH_6 3 21.1 143°.63 1°.6/18.8 13 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.67	+ 2 36.2	3.137	3.906	10.1	23.9
2 21	12 22.91	+ 3 30.2	3.055	3.924	7.8	23.7
3 2	12 16.73	+ 4 31.4	3.000	3.940	5.2	23.6
3 12	12 9.54	+ 5 35.7	2.974	3.956	2.6	23.4
3 22	12 1.88	+ 6 38.8	2.980	3.971	1.8	23.4
4 1	11 54.33	+ 7 36.4	3.018	3.984	4.2	23.6
4 11	11 47.47	+ 8 24.8	3.086	3.997	6.8	23.8
4 21	11 41.74	+ 9 1.8	3.181	4.009	9.1	23.9

458817 2011 TE_6 3 21.1 146°.30 4°.4/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.74	+ 8 15.2	1.831	2.635	15.0	21.6
2 21	12 27.21	+ 9 21.6	1.759	2.645	11.7	21.5
3 2	12 20.21	+10 35.4	1.710	2.655	8.0	21.3
3 12	12 11.40	+11 48.9	1.687	2.664	5.0	21.1
3 22	12 1.70	+12 53.7	1.693	2.672	5.0	21.1
4 1	11 52.21	+13 42.6	1.727	2.680	8.0	21.3
4 11	11 43.98	+14 11.2	1.787	2.687	11.6	21.5
4 21	11 37.75	+14 18.4	1.870	2.693	14.8	21.7

496906 2001 QT_{210} 3 21.1 202°.19 1°.9/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.68	− 9 27.3	2.982	3.711	11.5	22.5
2 21	12 21.65	− 9 19.6	2.873	3.706	9.4	22.4
3 2	12 16.06	− 8 59.3	2.787	3.700	6.9	22.2
3 12	12 9.30	− 8 27.6	2.727	3.695	4.1	22.0
3 22	12 1.90	− 7 46.8	2.698	3.688	1.9	21.8
4 1	11 54.48	− 7 0.3	2.698	3.681	3.3	21.9
4 11	11 47.68	− 6 12.6	2.729	3.674	6.0	22.1
4 21	11 42.02	− 5 27.7	2.787	3.666	8.7	22.2

458802 2011 SW_{202} 3 21.1 134°.51 0°.1/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.38	− 3 14.7	1.877	2.648	15.9	22.5
2 21	12 27.63	− 2 51.2	1.798	2.663	12.6	22.3
3 2	12 20.46	− 2 12.7	1.741	2.677	8.7	22.1
3 12	12 11.52	− 1 22.8	1.710	2.691	4.3	21.9
3 22	12 1.70	− 0 27.1	1.707	2.704	0.4	21.6
4 1	11 52.07	+ 0 27.8	1.734	2.716	4.9	22.0
4 11	11 43.67	+ 1 15.4	1.788	2.727	9.1	22.3
4 21	11 37.22	+ 1 51.2	1.867	2.737	12.8	22.5

490475 2009 SW_{344} 3 21.1 103°.41 1°.0/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.31	− 0 49.1	1.894	2.685	15.1	22.1
2 21	12 22.93	− 0 11.0	1.812	2.690	11.8	21.9
3 2	12 17.30	+ 0 41.0	1.752	2.696	8.0	21.6
3 12	12 10.00	+ 1 42.4	1.718	2.701	3.8	21.4
3 22	12 1.84	+ 2 46.7	1.712	2.707	1.3	21.2
4 1	11 53.80	+ 3 47.0	1.734	2.712	5.3	21.5
4 11	11 46.83	+ 4 36.9	1.783	2.717	9.4	21.7
4 21	11 41.62	+ 5 12.1	1.855	2.723	13.0	22.0

409251 2004 FX_{66} 3 21.1 20°.84 3°.2/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.45	+ 2 9.1	1.311	2.141	18.3	20.2
2 21	12 20.81	+ 3 16.0	1.245	2.147	14.2	19.9
3 2	12 16.30	+ 4 40.3	1.200	2.154	9.5	19.7
3 12	12 9.64	+ 6 13.1	1.177	2.162	4.8	19.4
3 22	12 1.89	+ 7 43.4	1.180	2.171	3.8	19.4
4 1	11 54.36	+ 8 59.8	1.208	2.180	8.2	19.7
4 11	11 48.30	+ 9 54.0	1.259	2.190	12.8	20.0
4 21	11 44.53	+10 22.5	1.331	2.202	16.9	20.2

189860 2003 HF_{27} 3 21.1 281°.77 0°.6/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.47	− 6 22.8	1.876	2.652	15.7	20.1
2 21	12 20.87	− 5 40.4	1.780	2.648	12.6	19.9
3 2	12 16.02	− 4 38.0	1.707	2.643	8.8	19.7
3 12	12 9.44	− 3 19.1	1.658	2.638	4.5	19.4
3 22	12 1.90	− 1 49.7	1.637	2.633	0.6	19.1
4 1	11 54.37	− 0 18.2	1.644	2.628	4.8	19.4
4 11	11 47.82	+ 1 6.8	1.678	2.623	9.1	19.6
4 21	11 43.01	+ 2 18.4	1.737	2.618	13.0	19.9

108738 2001 OR_{34} 3 21.1 210°.21 7°.9/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 29.00	+19 1.8	1.981	2.795	13.6	20.2
2 21	12 25.13	+20 37.3	1.909	2.791	11.1	20.0
3 2	12 18.86	+22 12.5	1.860	2.787	8.9	19.9
3 12	12 10.80	+23 37.6	1.838	2.782	7.9	19.8
3 22	12 1.79	+24 43.6	1.843	2.777	8.8	19.8
4 1	11 52.89	+25 24.1	1.874	2.771	11.1	20.0
4 11	11 45.12	+25 36.6	1.928	2.765	13.7	20.1
4 21	11 39.23	+25 22.0	2.002	2.759	16.2	20.3

253004 2002 RQ_{40} 3 21.1 283°.00 2°.7/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.62	+ 2 33.6	1.668	2.475	16.0	20.7
2 21	12 23.85	+ 3 24.0	1.563	2.453	12.7	20.5
3 2	12 18.42	+ 4 29.9	1.481	2.430	8.7	20.2
3 12	12 10.78	+ 5 45.7	1.423	2.406	4.4	19.9
3 22	12 1.78	+ 7 3.0	1.392	2.383	3.2	19.7
4 1	11 52.57	+ 8 12.6	1.388	2.359	7.4	19.9
4 11	11 44.41	+ 9 6.0	1.409	2.336	12.1	20.1
4 21	11 38.29	+ 9 38.3	1.453	2.312	16.3	20.3

359874 2011 WX_{11} 3 21.1 120°.53 1°.9/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.66	− 8 22.2	1.692	2.458	17.5	21.3
2 21	12 25.09	− 8 5.1	1.611	2.468	14.2	21.1
3 2	12 18.95	− 7 27.1	1.550	2.478	10.2	20.9
3 12	12 10.87	− 6 30.6	1.513	2.487	5.7	20.6
3 22	12 1.79	− 5 21.0	1.502	2.497	1.9	20.4
4 1	11 52.85	− 4 5.9	1.520	2.505	4.9	20.6
4 11	11 45.17	− 2 54.1	1.564	2.514	9.3	20.9
4 21	11 39.55	− 1 52.8	1.633	2.522	13.3	21.1

2972 Niilo 3 21.1 200°.80 0°.3/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.00	− 4 16.1	1.735	2.510	16.8	17.6
2 21	12 27.03	− 3 50.0	1.640	2.507	13.5	17.3
3 2	12 20.39	− 3 5.7	1.566	2.503	9.4	17.1
3 12	12 11.65	− 2 6.5	1.517	2.498	4.7	16.8
3 22	12 1.71	− 0 58.3	1.496	2.492	0.4	16.4
4 1	11 51.76	+ 0 11.2	1.503	2.486	5.4	16.8
4 11	11 42.98	+ 1 13.6	1.537	2.479	10.1	17.1
4 21	11 36.27	+ 2 2.8	1.595	2.471	14.3	17.3

497488 2006 AR_{15} 3 21.1 81°.38 6°.2/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.33	−18 5.5	1.978	2.680	17.3	21.3
2 21	12 26.14	−18 51.6	1.896	2.695	14.8	21.2
3 2	12 19.55	−19 16.6	1.833	2.711	11.8	21.0
3 12	12 11.14	−19 18.8	1.793	2.726	8.8	20.8
3 22	12 1.77	−18 58.5	1.778	2.742	6.6	20.7
4 1	11 52.51	−18 19.3	1.791	2.757	6.6	20.8
4 11	11 44.39	−17 27.6	1.830	2.772	8.7	20.9
4 21	11 38.18	−16 30.9	1.895	2.787	11.5	21.1

286282 2001 VA_{107} 3 21.1 169°.39 1°.3/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.79	− 6 50.9	1.914	2.673	16.0	22.1
2 21	12 26.51	− 6 33.0	1.823	2.677	12.9	21.9
3 2	12 19.83	− 5 57.3	1.753	2.681	9.2	21.7
3 12	12 11.29	− 5 6.2	1.708	2.684	5.0	21.4
3 22	12 1.77	− 4 4.4	1.692	2.687	1.3	21.2
4 1	11 52.31	− 2 58.5	1.704	2.689	4.6	21.4
4 11	11 43.95	− 1 56.0	1.745	2.690	8.9	21.7
4 21	11 37.49	− 1 3.0	1.811	2.690	12.7	21.9

297723 2001 WJ_{23} 3 21.1 105°.20 2°.9/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.18	−10 41.3	1.514	2.282	19.2	21.5
2 21	12 24.32	−10 29.0	1.432	2.288	15.7	21.2
3 2	12 18.65	− 9 51.5	1.368	2.294	11.5	21.0
3 12	12 10.81	− 8 50.5	1.328	2.299	6.8	20.7
3 22	12 1.81	− 7 31.2	1.312	2.305	3.0	20.5
4 1	11 52.91	− 6 2.3	1.324	2.310	5.3	20.7
4 11	11 45.37	− 4 34.6	1.361	2.315	9.9	20.9
4 21	11 40.07	− 3 17.4	1.422	2.320	14.3	21.2

462249 2008 CO_{146} 3 21.2 63°.95 1°.2/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.48	− 6 20.4	1.623	2.405	17.5	22.0
2 21	12 23.49	− 6 1.6	1.543	2.412	14.1	21.8
3 2	12 17.93	− 5 22.8	1.483	2.419	9.9	21.5
3 12	12 10.40	− 4 27.2	1.447	2.425	5.3	21.3
3 22	12 1.86	− 3 20.5	1.437	2.433	1.2	21.0
4 1	11 53.44	− 2 10.7	1.454	2.440	5.0	21.3
4 11	11 46.28	− 1 6.3	1.498	2.447	9.6	21.6
4 21	11 41.17	− 0 14.0	1.565	2.454	13.7	21.8

318818 2005 SE_{191} 3 21.2 78°.01 1°.5/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.20	−15 30.1	1.082	1.865	24.4	19.9
2 21	12 22.78	−13 33.2	1.015	1.882	19.8	19.6
3 2	12 17.94	−10 47.1	0.966	1.899	14.2	19.3
3 12	12 10.52	− 7 19.0	0.938	1.916	7.6	19.0
3 22	12 1.86	− 3 26.6	0.937	1.933	1.5	18.7
4 1	11 53.58	+ 0 24.8	0.963	1.949	6.7	19.1
4 11	11 47.16	+ 3 50.7	1.015	1.966	12.8	19.5
4 21	11 43.51	+ 6 36.2	1.089	1.982	18.1	19.8

459681 2013 LL_{34} 3 21.2 299°.45 1°.8/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 27.32	+ 1 22.0	1.478	2.289	17.6	21.3
2 21	12 24.78	+ 1 46.0	1.378	2.268	14.0	21.0
3 2	12 19.27	+ 2 25.3	1.298	2.247	9.6	20.7
3 12	12 11.29	+ 3 15.4	1.242	2.226	4.7	20.3
3 22	12 1.77	+ 4 9.0	1.211	2.205	2.2	20.1
4 1	11 52.02	+ 4 57.4	1.206	2.184	7.1	20.3
4 11	11 43.47	+ 5 32.5	1.225	2.164	12.3	20.6
4 21	11 37.22	+ 5 49.0	1.266	2.144	17.0	20.8

264609 2001 UA_{177} 3 21.2 187°.50 0°.1/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.20	− 3 14.3	2.164	2.934	14.1	21.4
2 21	12 24.20	− 2 51.3	2.069	2.934	11.2	21.2
3 2	12 18.11	− 2 14.8	1.997	2.933	7.7	21.0
3 12	12 10.42	− 1 27.8	1.951	2.932	3.8	20.7
3 22	12 1.87	− 0 34.8	1.934	2.930	0.3	20.4
4 1	11 53.35	+ 0 18.3	1.946	2.928	4.4	20.8
4 11	11 45.75	+ 1 5.9	1.986	2.925	8.3	21.0
4 21	11 39.77	+ 1 43.3	2.052	2.922	11.8	21.2

23925 1998 SZ_{140} 3 21.2 207°.54 0°.6/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.32	− 4 43.4	2.103	2.875	14.4	18.1
2 21	12 22.01	− 4 23.8	2.010	2.875	11.5	17.9
3 2	12 16.64	− 3 49.4	1.940	2.874	8.0	17.7
3 12	12 9.71	− 3 3.0	1.895	2.874	4.1	17.5
3 22	12 1.94	− 2 9.0	1.878	2.874	0.6	17.2
4 1	11 54.21	− 1 13.3	1.889	2.873	4.3	17.5
4 11	11 47.40	− 0 22.1	1.929	2.873	8.2	17.7
4 21	11 42.17	+ 0 19.9	1.993	2.873	11.7	17.9

409822 2006 KV_{32} 3 21.2 239°.85 3°.5/17.9 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.22	+ 6 2.2	1.842	2.645	15.0	22.5
2 21	12 26.31	+ 6 51.7	1.746	2.632	11.8	22.2
3 2	12 19.86	+ 7 51.2	1.673	2.619	8.1	22.0
3 12	12 11.40	+ 8 54.6	1.625	2.606	4.5	21.7
3 22	12 1.78	+ 9 54.0	1.605	2.591	4.0	21.7
4 1	11 52.10	+10 42.0	1.614	2.577	7.5	21.8
4 11	11 43.50	+11 12.7	1.648	2.562	11.5	22.0
4 21	11 36.84	+11 23.4	1.705	2.546	15.2	22.2

490609 2009 WT_{195} 3 21.2 127°.85 2°.1/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.42	− 8 59.7	2.162	2.910	14.8	22.2
2 21	12 23.55	− 8 50.5	2.074	2.919	12.0	22.0
3 2	12 17.61	− 8 24.6	2.008	2.929	8.7	21.8
3 12	12 10.15	− 7 43.8	1.967	2.938	5.0	21.6
3 22	12 1.91	− 6 51.8	1.955	2.947	2.1	21.4
4 1	11 53.76	− 5 53.9	1.971	2.956	4.1	21.6
4 11	11 46.58	− 4 56.4	2.016	2.964	7.6	21.8
4 21	11 41.00	− 4 4.8	2.086	2.972	11.0	22.0

32221 2000 OY_{22} 3 21.2 218°.24 7°.6/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.30	+19 8.2	2.107	2.920	13.0	17.9
2 21	12 24.47	+20 44.3	2.032	2.913	10.6	17.7
3 2	12 18.38	+22 20.2	1.982	2.907	8.5	17.6
3 12	12 10.58	+23 46.5	1.958	2.900	7.6	17.5
3 22	12 1.88	+24 55.0	1.961	2.892	8.5	17.6
4 1	11 53.24	+25 39.2	1.991	2.884	10.7	17.7
4 11	11 45.64	+25 56.5	2.044	2.876	13.2	17.8
4 21	11 39.79	+25 47.5	2.117	2.867	15.6	18.0

28592 O′Leary 3 21.2 236°.71 0°.3/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.62	− 3 22.1	2.018	2.791	14.9	19.3
2 21	12 24.82	− 3 5.9	1.915	2.781	11.9	19.1
3 2	12 18.72	− 2 35.4	1.834	2.770	8.3	18.8
3 12	12 10.81	− 1 53.1	1.778	2.759	4.2	18.5
3 22	12 1.86	− 1 3.6	1.751	2.747	0.4	18.2
4 1	11 52.83	− 0 12.8	1.753	2.735	4.7	18.5
4 11	11 44.74	+ 0 33.0	1.782	2.723	9.0	18.7
4 21	11 38.38	+ 1 8.8	1.836	2.710	12.7	18.9

9064 Johndavies 3 21.2 317°.56 5°.4/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.00	+ 7 27.8	1.429	2.261	17.0	17.2
2 21	12 22.08	+ 8 46.4	1.346	2.249	13.3	17.0
3 2	12 17.31	+10 18.2	1.284	2.237	9.3	16.7
3 12	12 10.26	+11 53.6	1.246	2.225	5.9	16.5
3 22	12 1.90	+13 21.2	1.234	2.214	6.3	16.5
4 1	11 53.54	+14 29.8	1.247	2.203	10.0	16.6
4 11	11 46.48	+15 11.8	1.282	2.193	14.3	16.9
4 21	11 41.69	+15 24.6	1.338	2.183	18.3	17.1

498682 2008 SJ_{250} 3 21.2 233°.78 0°.7/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.10	− 4 22.4	2.189	2.956	14.0	22.3
2 21	12 23.39	− 4 11.9	2.089	2.950	11.2	22.0
3 2	12 17.60	− 3 47.8	2.011	2.944	7.9	21.8
3 12	12 10.21	− 3 12.6	1.958	2.937	4.1	21.6
3 22	12 1.92	− 2 29.9	1.934	2.930	0.7	21.3
4 1	11 53.62	− 1 44.9	1.940	2.923	4.2	21.5
4 11	11 46.19	− 1 3.2	1.973	2.916	8.1	21.8
4 21	11 40.32	− 0 29.3	2.031	2.909	11.6	22.0

148427 2000 WX_{132} 3 21.2 157°.19 2°.5/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 26.14	−10 35.1	2.828	3.552	12.1	20.5
2 21	12 22.09	−10 41.9	2.729	3.557	10.0	20.4
3 2	12 16.40	−10 35.7	2.652	3.561	7.4	20.2
3 12	12 9.52	−10 17.3	2.602	3.564	4.7	20.0
3 22	12 1.99	− 9 48.7	2.581	3.568	2.6	19.9
4 1	11 54.50	− 9 13.2	2.590	3.571	3.5	20.0
4 11	11 47.69	− 8 34.9	2.628	3.574	6.2	20.1
4 21	11 42.11	− 7 57.8	2.693	3.577	8.8	20.3

348833 2006 RX_{83} 3 21.2 159°.62 0°.0/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.02	− 2 43.7	2.459	3.229	12.6	22.0
2 21	12 21.43	− 2 22.1	2.366	3.231	9.9	21.9
3 2	12 16.06	− 1 49.0	2.296	3.233	6.8	21.7
3 12	12 9.38	− 1 7.3	2.253	3.234	3.4	21.4
3 22	12 2.01	− 0 21.1	2.239	3.236	0.3	21.2
4 1	11 54.69	+ 0 25.0	2.255	3.237	3.9	21.5
4 11	11 48.15	+ 1 6.1	2.299	3.238	7.4	21.7
4 21	11 42.97	+ 1 38.6	2.369	3.239	10.4	21.9

123524 2000 XW_9 3 21.2 201°.29 3°.7/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.07	+ 9 39.9	2.348	3.143	12.4	20.3
2 21	12 25.48	+10 20.2	2.258	3.139	9.7	20.1
3 2	12 18.88	+11 4.7	2.194	3.136	6.7	19.9
3 12	12 10.78	+11 48.2	2.156	3.131	4.2	19.7
3 22	12 1.90	+12 24.9	2.148	3.127	4.1	19.7
4 1	11 53.08	+12 50.1	2.169	3.122	6.7	19.9
4 11	11 45.17	+13 0.5	2.217	3.116	9.7	20.0
4 21	11 38.81	+12 55.0	2.290	3.110	12.5	20.2

415978 2001 YL_{73} 3 21.2 54°.40 7°.0/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.24	−18 58.6	1.731	2.444	19.1	20.5
2 21	12 24.89	−19 45.5	1.652	2.458	16.4	20.3
3 2	12 18.92	−20 8.1	1.592	2.472	13.2	20.1
3 12	12 10.93	−20 3.9	1.552	2.486	9.9	20.0
3 22	12 1.88	−19 33.6	1.537	2.500	7.4	19.9
4 1	11 52.95	−18 41.4	1.548	2.515	7.3	19.9
4 11	11 45.29	−17 35.2	1.584	2.530	9.5	20.0
4 21	11 39.73	−16 24.1	1.644	2.545	12.5	20.3

386534 2009 CY_{34} 3 21.2 215°.25 4°.9/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.94	+12 9.4	2.322	3.132	12.0	21.5
2 21	12 21.52	+13 20.9	2.242	3.130	9.4	21.4
3 2	12 16.20	+14 36.2	2.186	3.128	6.8	21.2
3 12	12 9.48	+15 48.5	2.158	3.126	5.0	21.1
3 22	12 2.02	+16 51.2	2.158	3.123	5.5	21.1
4 1	11 54.64	+17 38.6	2.187	3.120	7.8	21.2
4 11	11 48.12	+18 7.0	2.241	3.118	10.5	21.4
4 21	11 43.06	+18 15.5	2.317	3.115	13.1	21.6

496933 2001 VY_2 3 21.2 155°.50 3°.2/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.28	−17 7.9	3.246	3.928	11.5	23.1
2 21	12 20.42	−16 46.6	3.144	3.937	9.6	23.0
3 2	12 15.15	−16 9.5	3.064	3.946	7.5	22.9
3 12	12 8.87	−15 17.4	3.010	3.953	5.2	22.7
3 22	12 2.09	−14 12.5	2.985	3.961	3.4	22.6
4 1	11 55.36	−12 58.6	2.992	3.968	3.6	22.6
4 11	11 49.26	−11 40.5	3.028	3.974	5.5	22.7
4 21	11 44.22	−10 23.1	3.093	3.979	7.8	22.9

61141 2000 NZ_5 3 21.2 264°.72 7°.3/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.48	−21 21.8	2.053	2.738	17.2	18.8
2 21	12 24.24	−22 2.9	1.939	2.722	15.1	18.6
3 2	12 18.55	−22 21.9	1.843	2.706	12.5	18.3
3 12	12 10.86	−22 15.8	1.769	2.689	9.8	18.1
3 22	12 1.90	−21 43.5	1.719	2.673	7.7	18.0
4 1	11 52.71	−20 47.2	1.695	2.656	7.5	17.9
4 11	11 44.40	−19 33.2	1.698	2.638	9.4	18.0
4 21	11 37.90	−18 10.1	1.726	2.621	12.3	18.1

190408 1999 TM_{245} 3 21.2 201°.52 0°.7/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.48	− 1 52.3	2.673	3.441	11.7	21.1
2 21	12 21.69	− 1 1.9	2.570	3.436	9.2	20.9
3 2	12 16.22	+ 0 0.6	2.492	3.430	6.3	20.7
3 12	12 9.48	+ 1 11.4	2.442	3.424	3.0	20.5
3 22	12 2.06	+ 2 25.9	2.422	3.418	0.9	20.3
4 1	11 54.63	+ 3 38.2	2.433	3.410	4.2	20.6
4 11	11 47.90	+ 4 43.2	2.474	3.402	7.5	20.8
4 21	11 42.42	+ 5 36.8	2.541	3.394	10.4	20.9

405358 2003 WF_{60} 3 21.2 137°.73 2°.7/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.58	−10 27.0	1.871	2.620	16.7	21.4
2 21	12 24.85	−10 17.9	1.784	2.628	13.6	21.2
3 2	12 18.74	− 9 48.5	1.717	2.636	10.0	21.0
3 12	12 10.81	− 9 0.3	1.675	2.644	6.0	20.8
3 22	12 1.94	− 7 57.3	1.660	2.651	2.8	20.6
4 1	11 53.16	− 6 46.1	1.673	2.658	4.6	20.7
4 11	11 45.50	− 5 34.7	1.714	2.664	8.6	21.0
4 21	11 39.73	− 4 30.2	1.780	2.670	12.3	21.2

428051 2006 DG_{160} 3 21.2 72°.79 1°.4/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 24.47	− 0 48.2	1.902	2.696	14.9	21.3
2 21	12 21.48	+ 0 7.6	1.825	2.705	11.6	21.1
3 2	12 16.33	+ 1 18.1	1.770	2.715	7.8	20.9
3 12	12 9.58	+ 2 37.8	1.741	2.725	3.7	20.6
3 22	12 2.05	+ 3 59.4	1.740	2.735	1.7	20.5
4 1	11 54.66	+ 5 15.2	1.768	2.745	5.5	20.8
4 11	11 48.32	+ 6 18.2	1.823	2.754	9.5	21.0
4 21	11 43.69	+ 7 4.4	1.901	2.764	12.9	21.3

522325 2016 BA_{104} 3 21.2 127°.38 1°.7/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.23	− 7 13.3	1.684	2.454	17.5	22.4
2 21	12 25.61	− 7 2.5	1.601	2.462	14.1	22.2
3 2	12 19.38	− 6 32.0	1.538	2.469	10.0	21.9
3 12	12 11.17	− 5 44.4	1.499	2.475	5.5	21.7
3 22	12 1.91	− 4 44.6	1.487	2.482	1.7	21.4
4 1	11 52.75	− 3 39.8	1.503	2.488	4.9	21.7
4 11	11 44.85	− 2 38.2	1.545	2.494	9.4	22.0
4 21	11 39.03	− 1 46.6	1.611	2.499	13.5	22.2

429110 2009 SO_{163} 3 21.2 112°.12 2°.8/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.02	−10 21.5	2.315	3.041	14.5	22.2
2 21	12 26.92	−10 35.0	2.234	3.063	11.8	22.0
3 2	12 19.80	−10 33.4	2.174	3.084	8.7	21.8
3 12	12 11.21	−10 17.3	2.141	3.104	5.4	21.7
3 22	12 1.91	− 9 49.2	2.136	3.124	2.9	21.5
4 1	11 52.78	− 9 13.1	2.162	3.143	4.1	21.6
4 11	11 44.65	− 8 34.1	2.216	3.162	7.2	21.9
4 21	11 38.16	− 7 57.2	2.297	3.180	10.2	22.1

207536 2006 KE_{38} 3 21.2 315°.07 2°.5/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.41	+ 2 55.1	1.364	2.185	18.3	20.0
2 21	12 24.99	+ 3 20.1	1.276	2.171	14.5	19.7
3 2	12 19.47	+ 3 59.5	1.207	2.158	9.9	19.4
3 12	12 11.42	+ 4 47.4	1.161	2.145	4.9	19.1
3 22	12 1.88	+ 5 35.7	1.139	2.133	2.9	18.9
4 1	11 52.24	+ 6 15.6	1.143	2.121	7.7	19.2
4 11	11 43.99	+ 6 39.4	1.171	2.109	12.9	19.4
4 21	11 38.20	+ 6 43.1	1.220	2.099	17.5	19.7

221154 2005 TY_{75} 3 21.2 161°.91 3°.7/25.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.03	−15 42.6	2.433	3.138	14.3	20.7
2 21	12 23.11	−15 32.0	2.334	3.144	12.0	20.6
3 2	12 17.28	−15 2.1	2.257	3.150	9.2	20.4
3 12	12 10.03	−14 13.3	2.204	3.155	6.3	20.2
3 22	12 2.02	−13 8.3	2.180	3.160	3.9	20.1
4 1	11 54.07	−11 51.9	2.185	3.164	4.4	20.1
4 11	11 46.96	−10 30.6	2.219	3.167	7.0	20.3
4 21	11 41.32	− 9 11.3	2.280	3.170	10.0	20.4

458743 2011 QM_{34} 3 21.2 119°.10 1°.9/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 33.39	− 7 2.7	1.765	2.524	17.2	22.2
2 21	12 28.64	− 7 3.6	1.688	2.541	13.9	22.0
3 2	12 21.30	− 6 46.9	1.631	2.558	9.9	21.7
3 12	12 12.05	− 6 14.6	1.599	2.574	5.5	21.5
3 22	12 1.85	− 5 30.9	1.595	2.589	1.9	21.3
4 1	11 51.85	− 4 41.9	1.619	2.603	4.8	21.5
4 11	11 43.18	− 3 54.8	1.670	2.617	9.0	21.8
4 21	11 36.60	− 3 15.3	1.747	2.631	12.8	22.1

54829 2001 NF_{10} 3 21.2 167°.02 4°.8/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.48	−15 59.9	2.335	3.032	15.1	20.3
2 21	12 26.76	−16 28.8	2.236	3.037	12.8	20.1
3 2	12 19.88	−16 40.1	2.157	3.042	10.0	19.9
3 12	12 11.35	−16 32.9	2.103	3.045	7.2	19.8
3 22	12 1.91	−16 7.9	2.077	3.048	5.0	19.6
4 1	11 52.45	−15 28.2	2.079	3.051	5.3	19.6
4 11	11 43.91	−14 39.4	2.110	3.053	7.7	19.8
4 21	11 37.00	−13 47.6	2.168	3.054	10.6	20.0

170148 2003 BZ_{48} 3 21.2 141°.10 3°.8/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.33	−15 52.8	3.002	3.689	12.2	20.8
2 21	12 23.71	−16 13.8	2.906	3.700	10.3	20.6
3 2	12 17.48	−16 20.6	2.831	3.711	8.1	20.5
3 12	12 10.07	−16 13.0	2.782	3.722	5.7	20.3
3 22	12 2.03	−15 52.1	2.761	3.732	4.0	20.2
4 1	11 54.03	−15 20.5	2.771	3.741	4.2	20.3
4 11	11 46.73	−14 42.0	2.810	3.750	6.1	20.4
4 21	11 40.65	−14 1.0	2.876	3.759	8.4	20.5

408108 2013 BH_{26} 3 21.2 353°.18 2°.4/19.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.45	− 0 6.4	1.408	2.224	18.0	21.2
2 21	12 22.37	+ 0 58.7	1.329	2.223	14.2	21.0
3 2	12 17.45	+ 2 24.0	1.271	2.221	9.5	20.7
3 12	12 10.32	+ 4 2.1	1.236	2.221	4.6	20.4
3 22	12 2.00	+ 5 42.6	1.227	2.220	2.9	20.3
4 1	11 53.76	+ 7 13.8	1.245	2.220	7.5	20.5
4 11	11 46.87	+ 8 25.8	1.286	2.220	12.4	20.8
4 21	11 42.25	+ 9 13.2	1.349	2.220	16.7	21.1

372383 2009 PX_{16} 3 21.2 347°.57 2°.3/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 33.34	− 5 11.2	1.730	2.498	17.1	20.3
2 21	12 28.91	− 5 49.4	1.639	2.497	13.9	20.1
3 2	12 21.74	− 6 14.3	1.568	2.496	10.1	19.8
3 12	12 12.39	− 6 26.4	1.521	2.495	5.7	19.6
3 22	12 1.81	− 6 27.5	1.501	2.494	2.4	19.3
4 1	11 51.22	− 6 21.3	1.509	2.494	5.1	19.5
4 11	11 41.86	− 6 12.9	1.545	2.493	9.4	19.8
4 21	11 34.64	− 6 7.1	1.604	2.493	13.5	20.0

335791 2007 GK_{46} 3 21.2 286°.16 2°.8/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.54	+ 4 54.0	1.891	2.695	14.6	20.9
2 21	12 24.12	+ 5 28.5	1.796	2.682	11.5	20.6
3 2	12 18.33	+ 6 12.7	1.723	2.670	7.8	20.4
3 12	12 10.68	+ 7 1.0	1.676	2.658	4.1	20.1
3 22	12 1.97	+ 7 47.1	1.656	2.646	3.2	20.0
4 1	11 53.24	+ 8 24.5	1.664	2.634	6.7	20.2
4 11	11 45.52	+ 8 47.7	1.699	2.621	10.6	20.4
4 21	11 39.61	+ 8 54.0	1.756	2.609	14.2	20.6

140737 2001 UY_{103} 3 21.2 210°.68 1°.1/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.83	+ 1 24.2	2.741	3.518	11.3	21.8
2 21	12 21.91	+ 1 54.7	2.641	3.512	8.8	21.6
3 2	12 16.34	+ 2 33.6	2.565	3.506	5.9	21.4
3 12	12 9.55	+ 3 17.6	2.517	3.500	2.9	21.2
3 22	12 2.08	+ 4 2.7	2.499	3.493	1.4	21.1
4 1	11 54.63	+ 4 44.4	2.511	3.486	4.3	21.3
4 11	11 47.86	+ 5 18.7	2.552	3.478	7.4	21.5
4 21	11 42.31	+ 5 42.9	2.619	3.470	10.2	21.6

124347 2001 QP_{119} 3 21.2 294°.70 1°.0/21.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.17	− 2 53.8	1.372	2.170	19.4	19.4
2 21	12 28.07	− 3 11.5	1.278	2.157	15.7	19.2
3 2	12 21.69	− 3 13.2	1.204	2.145	11.1	18.9
3 12	12 12.58	− 3 0.7	1.151	2.132	5.8	18.5
3 22	12 1.79	− 2 37.9	1.124	2.120	1.1	18.1
4 1	11 50.80	− 2 11.2	1.122	2.107	6.1	18.4
4 11	11 41.21	− 1 48.1	1.145	2.095	11.7	18.7
4 21	11 34.21	− 1 34.9	1.189	2.084	16.7	19.0

245613 2005 WS_{71} 3 21.2 57°.37 4°.8/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.90	−12 46.3	1.241	2.013	22.4	20.5
2 21	12 26.85	−13 5.9	1.181	2.036	18.5	20.3
3 2	12 20.53	−12 56.8	1.138	2.058	13.9	20.0
3 12	12 11.78	−12 19.4	1.116	2.081	8.9	19.8
3 22	12 1.89	−11 18.3	1.117	2.104	5.1	19.7
4 1	11 52.39	−10 2.5	1.143	2.128	6.3	19.8
4 11	11 44.69	− 8 43.9	1.194	2.151	10.6	20.1
4 21	11 39.67	− 7 32.9	1.267	2.175	14.9	20.4

138534 2000 OT_{41} 3 21.2 214°.80 1°.1/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.39	− 7 21.5	2.589	3.341	12.5	20.3
2 21	12 20.15	− 6 51.6	2.486	3.336	10.0	20.1
3 2	12 15.22	− 6 7.2	2.406	3.332	7.1	19.9
3 12	12 9.02	− 5 10.5	2.352	3.328	3.9	19.7
3 22	12 2.13	− 4 5.4	2.328	3.323	1.1	19.5
4 1	11 55.25	− 2 56.9	2.333	3.318	3.5	19.7
4 11	11 49.07	− 1 50.6	2.368	3.313	6.9	19.9
4 21	11 44.15	− 0 51.6	2.429	3.307	9.9	20.1

379822 2011 KV_{44} 3 21.2 266°.12 3°.6/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.40	+ 7 27.8	2.057	2.863	13.5	21.0
2 21	12 22.91	+ 8 18.3	1.973	2.862	10.5	20.8
3 2	12 17.29	+ 9 16.1	1.913	2.860	7.2	20.6
3 12	12 10.08	+10 14.9	1.879	2.858	4.2	20.4
3 22	12 2.04	+11 8.1	1.873	2.856	4.1	20.4
4 1	11 54.07	+11 49.6	1.895	2.854	7.0	20.6
4 11	11 47.08	+12 14.9	1.944	2.852	10.3	20.8
4 21	11 41.75	+12 22.3	2.016	2.850	13.4	21.0

375934 2009 WW_{75} 3 21.2 173°.16 3°.2/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.52	+ 6 24.8	2.145	2.945	13.2	21.8
2 21	12 23.67	+ 7 18.1	2.062	2.946	10.3	21.6
3 2	12 17.74	+ 8 19.2	2.002	2.948	7.0	21.4
3 12	12 10.28	+ 9 22.2	1.970	2.949	4.0	21.2
3 22	12 2.03	+10 20.5	1.966	2.950	3.7	21.2
4 1	11 53.86	+11 8.1	1.991	2.950	6.6	21.3
4 11	11 46.65	+11 40.5	2.042	2.951	9.9	21.5
4 21	11 41.05	+11 55.5	2.118	2.951	12.9	21.7

435969 2009 DB_{71} 3 21.2 36°.04 2°.5/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.99	+ 3 39.0	1.794	2.603	15.0	20.7
2 21	12 21.95	+ 4 20.5	1.727	2.617	11.7	20.5
3 2	12 16.67	+ 5 12.1	1.682	2.631	7.8	20.3
3 12	12 9.76	+ 6 7.9	1.663	2.646	3.9	20.1
3 22	12 2.08	+ 7 0.9	1.671	2.662	2.9	20.0
4 1	11 54.63	+ 7 44.6	1.706	2.678	6.3	20.3
4 11	11 48.33	+ 8 14.1	1.768	2.694	10.0	20.5
4 21	11 43.84	+ 8 26.9	1.852	2.711	13.4	20.8

64272 2001 TZ_{202} 3 21.2 241°.06 5°.7/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 26.34	+15 37.2	2.335	3.145	11.9	19.4
2 21	12 22.64	+16 43.6	2.257	3.141	9.5	19.2
3 2	12 16.99	+17 51.1	2.202	3.137	7.2	19.0
3 12	12 9.91	+18 52.6	2.175	3.133	5.8	18.9
3 22	12 2.08	+19 41.9	2.176	3.129	6.4	19.0
4 1	11 54.33	+20 13.7	2.204	3.125	8.5	19.1
4 11	11 47.48	+20 25.2	2.257	3.121	11.0	19.2
4 21	11 42.14	+20 16.4	2.333	3.116	13.4	19.4

164372 2005 EU_{67} 3 21.2 239°.75 0°.5/20.6 18

2 11	12 25.05	− 1 30.1	2.314	3.092	13.0	20.4
2 21	12 21.66	− 0 59.0	2.215	3.086	10.3	20.2
3 2	12 16.37	− 0 15.7	2.140	3.080	7.0	20.0
3 12	12 9.63	+ 0 36.3	2.091	3.073	3.4	19.8
3 22	12 2.11	+ 1 32.4	2.071	3.067	0.8	19.5
4 1	11 54.57	+ 2 26.9	2.080	3.060	4.5	19.8
4 11	11 47.85	+ 3 14.4	2.117	3.053	8.1	20.0
4 21	11 42.55	+ 3 50.9	2.180	3.046	11.4	20.2

489551 2007 RZ_{289} 3 21.2 87°.20 0°.9/22.3 17

2 11	12 24.83	− 6 26.3	2.338	3.097	13.5	22.0
2 21	12 21.30	− 5 57.6	2.258	3.114	10.7	21.8
3 2	12 15.98	− 5 14.4	2.201	3.131	7.5	21.6
3 12	12 9.37	− 4 19.5	2.171	3.148	4.0	21.4
3 22	12 2.14	− 3 17.6	2.169	3.164	0.9	21.2
4 1	11 55.05	− 2 14.0	2.196	3.181	3.7	21.5
4 11	11 48.83	− 1 14.5	2.253	3.197	7.2	21.7
4 21	11 44.04	− 0 23.7	2.335	3.213	10.2	21.9

279793 1999 VZ_{105} 3 21.2 160°.26 1°.4/22.4 18

2 11	12 31.63	− 7 9.5	1.787	2.548	16.9	22.0
2 21	12 27.37	− 6 48.3	1.699	2.555	13.7	21.8
3 2	12 20.54	− 6 7.7	1.633	2.562	9.7	21.5
3 12	12 11.75	− 5 10.2	1.591	2.568	5.2	21.3
3 22	12 1.92	− 4 1.3	1.577	2.573	1.4	21.0
4 1	11 52.18	− 2 48.3	1.592	2.577	4.8	21.3
4 11	11 43.66	− 1 39.6	1.635	2.580	9.3	21.5
4 21	11 37.17	− 0 41.7	1.702	2.583	13.3	21.8

54216 2000 HQ_{96} 3 21.2 5°.46 0°.9/20.6 18

2 11	12 32.59	+ 0 48.9	1.390	2.195	18.8	17.9
2 21	12 28.88	+ 0 47.3	1.310	2.194	15.0	17.6
3 2	12 22.00	+ 0 59.1	1.249	2.195	10.3	17.3
3 12	12 12.60	+ 1 20.2	1.211	2.195	5.0	17.0
3 22	12 1.84	+ 1 44.7	1.199	2.195	1.2	16.8
4 1	11 51.16	+ 2 6.0	1.214	2.196	6.5	17.1
4 11	11 42.03	+ 2 17.5	1.253	2.196	11.7	17.4
4 21	11 35.47	+ 2 15.6	1.314	2.197	16.2	17.7

315113 2007 EK_{48} 3 21.2 72°.74 6°.1/19.6 16

2 11	12 57.04	+14 43.4	0.999	1.809	24.2	19.6
2 21	12 49.03	+14 10.2	0.941	1.825	19.4	19.4
3 2	12 36.08	+13 31.3	0.900	1.842	13.8	19.1
3 12	12 19.44	+12 37.7	0.882	1.858	8.2	18.8
3 22	12 1.26	+11 24.0	0.889	1.875	6.4	18.8
4 1	11 44.17	+ 9 50.1	0.923	1.892	10.6	19.1
4 11	11 30.35	+ 8 0.9	0.981	1.908	15.9	19.4
4 21	11 20.87	+ 6 3.2	1.060	1.925	20.6	19.8

102018 1999 RD_{90} 3 21.2 231°.92 1°.6/19.1 18

2 11	12 25.45	+ 3 32.2	2.762	3.545	11.0	20.0
2 21	12 21.62	+ 4 2.4	2.662	3.537	8.6	19.9
3 2	12 16.16	+ 4 39.7	2.586	3.529	5.8	19.7
3 12	12 9.47	+ 5 20.5	2.538	3.520	2.9	19.5
3 22	12 2.13	+ 6 0.8	2.519	3.511	1.9	19.4
4 1	11 54.78	+ 6 36.3	2.531	3.502	4.6	19.5
4 11	11 48.11	+ 7 3.3	2.571	3.492	7.6	19.7
4 21	11 42.64	+ 7 19.4	2.637	3.482	10.3	19.9

221983 1996 PJ_{2} 3 21.2 215°.44 4°.3/25.3 17

2 11	12 30.71	−13 51.9	2.275	2.988	15.0	21.0
2 21	12 26.31	−14 21.0	2.167	2.981	12.7	20.8
3 2	12 19.70	−14 33.6	2.079	2.974	9.8	20.6
3 12	12 11.34	−14 28.7	2.016	2.966	6.8	20.4
3 22	12 1.95	−14 7.4	1.980	2.958	4.5	20.2
4 1	11 52.45	−13 32.4	1.974	2.950	5.1	20.3
4 11	11 43.80	−12 49.2	1.995	2.940	7.9	20.4
4 21	11 36.78	−12 3.7	2.043	2.931	11.0	20.6

412765 2014 OP_{385} 3 21.2 354°.80 6°.0/25.9 18

2 11	12 25.83	−14 57.8	1.344	2.106	21.5	20.4
2 21	12 23.84	−15 29.0	1.260	2.104	18.2	20.2
3 2	12 18.73	−15 32.3	1.192	2.103	14.2	19.9
3 12	12 11.09	−15 5.5	1.145	2.102	9.8	19.6
3 22	12 1.97	−14 10.3	1.120	2.102	6.4	19.4
4 1	11 52.82	−12 53.3	1.120	2.101	7.0	19.5
4 11	11 45.12	−11 25.8	1.143	2.102	10.8	19.7
4 21	11 39.94	−10 0.0	1.189	2.102	15.2	19.9

230949 2004 XY_{73} 3 21.2 113°.75 3°.6/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 27.88	−14 13.4	2.337	3.052	14.6	21.4
2 21	12 23.77	−14 15.8	2.251	3.069	12.2	21.2
3 2	12 17.72	−14 0.0	2.187	3.085	9.2	21.1
3 12	12 10.24	−13 26.8	2.147	3.101	6.2	20.9
3 22	12 2.06	−12 38.5	2.136	3.117	3.8	20.8
4 1	11 54.01	−11 39.9	2.153	3.132	4.4	20.8
4 11	11 46.88	−10 36.8	2.199	3.147	7.1	21.0
4 21	11 41.28	− 9 35.5	2.271	3.161	10.0	21.2

402975 2007 UX_{114} 3 21.2 161°.65 1°.5/19.8 18

2 11	12 31.89	+ 1 29.2	2.039	2.820	14.4	22.0
2 21	12 27.18	+ 2 0.7	1.953	2.827	11.3	21.8
3 2	12 20.19	+ 2 43.0	1.891	2.833	7.7	21.6
3 12	12 11.51	+ 3 31.7	1.855	2.838	3.7	21.4
3 22	12 1.95	+ 4 21.1	1.849	2.843	1.8	21.2
4 1	11 52.51	+ 5 5.1	1.872	2.847	5.4	21.5
4 11	11 44.15	+ 5 38.5	1.922	2.850	9.3	21.7
4 21	11 37.59	+ 5 58.3	1.998	2.852	12.7	21.9

372437 2009 SX_{54} 3 21.2 115°.29 1°.2/22.3 17

2 11	12 29.99	− 4 58.6	1.917	2.685	15.7	22.0
2 21	12 25.88	− 5 1.5	1.831	2.692	12.6	21.8
3 2	12 19.41	− 4 49.8	1.767	2.698	8.9	21.6
3 12	12 11.17	− 4 25.7	1.727	2.704	4.8	21.4
3 22	12 1.99	− 3 52.8	1.715	2.711	1.2	21.1
4 1	11 52.90	− 3 16.4	1.732	2.717	4.5	21.4
4 11	11 44.92	− 2 42.3	1.776	2.722	8.6	21.6
4 21	11 38.79	− 2 15.3	1.845	2.728	12.3	21.8

284304 2006 PL_{24} 3 21.2 227°.85 2°.1/23.5 17

2 11	12 27.65	− 8 35.4	2.630	3.366	12.7	21.8
2 21	12 23.52	− 8 42.5	2.520	3.357	10.4	21.6
3 2	12 17.57	− 8 36.9	2.432	3.348	7.6	21.4
3 12	12 10.22	− 8 19.3	2.370	3.338	4.6	21.2
3 22	12 2.07	− 7 51.9	2.338	3.328	2.2	21.0
4 1	11 53.87	− 7 18.0	2.335	3.318	3.7	21.1
4 11	11 46.36	− 6 42.2	2.361	3.307	6.8	21.3
4 21	11 40.16	− 6 8.6	2.415	3.296	9.8	21.4

356972 1993 QH 3 21.2 229°.38 2°.7/18.7 16

2 11	12 28.05	+ 2 9.6	1.729	2.531	15.8	22.5
2 21	12 24.76	+ 3 9.6	1.637	2.523	12.4	22.2
3 2	12 18.90	+ 4 24.8	1.567	2.514	8.4	22.0
3 12	12 11.03	+ 5 48.7	1.522	2.506	4.2	21.7
3 22	12 2.00	+ 7 13.0	1.505	2.496	3.1	21.6
4 1	11 52.95	+ 8 28.4	1.516	2.486	7.1	21.8
4 11	11 45.02	+ 9 27.1	1.553	2.476	11.4	22.0
4 21	11 39.07	+10 4.9	1.613	2.466	15.3	22.2

419835 2010 XU_{68} 3 21.2 49°.73 16°.3/13.8 16

2 11	12 29.09	−45 21.2	1.829	2.338	23.6	20.4
2 21	12 26.68	−47 10.2	1.757	2.350	22.4	20.3
3 2	12 20.84	−48 25.6	1.695	2.364	21.1	20.1
3 12	12 12.19	−48 59.4	1.645	2.378	19.5	20.0
3 22	12 1.89	−48 46.1	1.609	2.392	18.1	20.0
4 1	11 51.57	−47 44.2	1.589	2.406	16.9	19.9
4 11	11 42.92	−45 59.0	1.589	2.421	16.4	19.9
4 21	11 37.11	−43 41.1	1.607	2.435	16.5	19.9

473859 2016 EY_{132} 3 21.2 297°.43 1°.0/21.9 17

2 11	12 31.64	− 2 28.0	1.676	2.459	17.0	21.7
2 21	12 27.86	− 2 51.1	1.573	2.443	13.8	21.4
3 2	12 21.24	− 3 1.9	1.490	2.427	9.7	21.1
3 12	12 12.28	− 3 2.0	1.431	2.411	5.1	20.8
3 22	12 1.89	− 2 54.1	1.399	2.395	1.0	20.5
4 1	11 51.29	− 2 43.0	1.394	2.379	5.3	20.7
4 11	11 41.80	− 2 33.9	1.416	2.363	10.2	21.0
4 21	11 34.47	− 2 31.5	1.461	2.348	14.7	21.2

316660 1993 YM_{1} 3 21.2 77°.40 0°.1/21.3 18

2 11	12 28.37	− 3 23.5	1.743	2.526	16.4	21.1
2 21	12 24.68	− 2 57.8	1.672	2.544	13.0	20.9
3 2	12 18.58	− 2 15.9	1.623	2.562	8.9	20.7
3 12	12 10.73	− 1 22.3	1.598	2.580	4.4	20.5
3 22	12 2.05	− 0 22.8	1.601	2.597	0.4	20.2
4 1	11 53.60	+ 0 35.3	1.632	2.615	5.0	20.6
4 11	11 46.40	+ 1 25.1	1.690	2.632	9.2	20.9
4 21	11 41.15	+ 2 2.1	1.771	2.649	12.9	21.1

80026 1999 JH_{8} 3 21.2 34°.51 9°.7/31.6 18

2 11	12 17.96	−30 33.5	1.029	1.750	29.1	18.0
2 21	12 18.55	−30 5.5	0.955	1.756	25.9	17.7
3 2	12 15.52	−28 36.8	0.891	1.763	21.7	17.4
3 12	12 9.60	−25 59.9	0.843	1.771	16.8	17.2
3 22	12 2.13	−22 17.0	0.815	1.779	11.9	16.9
4 1	11 54.90	−17 44.9	0.810	1.788	9.7	16.8
4 11	11 49.59	−12 54.8	0.830	1.798	12.2	17.0
4 21	11 47.25	− 8 19.8	0.875	1.808	17.0	17.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
66423 1999 NV_{26}			3 21.2 301°.92		3°.5/18.3 18	
	h m	° ′			°	m
2 11	12 24.67	+ 2 58.5	1.417	2.240	17.6	18.6
2 21	12 22.83	+ 3 56.1	1.319	2.217	13.9	18.3
3 2	12 18.05	+ 5 11.9	1.242	2.195	9.5	18.0
3 12	12 10.81	+ 6 39.0	1.188	2.172	5.0	17.7
3 22	12 2.02	+ 8 7.4	1.160	2.150	4.1	17.6
4 1	11 53.01	+ 9 25.3	1.157	2.128	8.6	17.7
4 11	11 45.20	+10 22.9	1.177	2.106	13.7	18.0
4 21	11 39.71	+10 54.6	1.218	2.085	18.3	18.2
343668 2010 OY_{52}			3 21.2 150°.39		2°.9/17.3 17	
2 11	12 24.80	+ 6 42.8	2.676	3.470	11.0	21.7
2 21	12 21.09	+ 7 41.8	2.595	3.477	8.5	21.6
3 2	12 15.76	+ 8 46.8	2.539	3.483	5.8	21.4
3 12	12 9.27	+ 9 53.0	2.511	3.489	3.4	21.2
3 22	12 2.18	+10 54.9	2.513	3.495	3.3	21.2
4 1	11 55.19	+11 47.5	2.545	3.500	5.6	21.4
4 11	11 48.94	+12 27.1	2.604	3.505	8.3	21.6
4 21	11 43.94	+12 51.9	2.689	3.510	10.8	21.8
473229 2015 KC_{150}			3 21.2 292°.66		2°.0/18.9 16	
2 11	12 23.47	+ 2 24.8	2.216	3.012	13.0	21.5
2 21	12 20.60	+ 3 12.1	2.113	2.996	10.1	21.3
3 2	12 15.76	+ 4 10.6	2.033	2.980	6.9	21.0
3 12	12 9.40	+ 5 15.7	1.980	2.964	3.4	20.8
3 22	12 2.16	+ 6 21.5	1.956	2.947	2.4	20.7
4 1	11 54.87	+ 7 21.6	1.960	2.931	5.6	20.8
4 11	11 48.37	+ 8 10.1	1.992	2.915	9.3	21.0
4 21	11 43.32	+ 8 43.5	2.047	2.899	12.5	21.2
65837 1996 XX_{20}			3 21.2 148°.71		2°.8/18.4 18	
2 11	12 31.87	+ 5 1.8	2.085	2.874	13.9	20.5
2 21	12 27.05	+ 5 50.2	2.007	2.885	10.8	20.3
3 2	12 20.03	+ 6 47.1	1.953	2.896	7.3	20.1
3 12	12 11.41	+ 7 46.6	1.926	2.906	3.9	19.9
3 22	12 2.00	+ 8 42.4	1.928	2.915	3.2	19.9
4 1	11 52.76	+ 9 28.4	1.959	2.924	6.3	20.1
4 11	11 44.61	+ 9 59.8	2.018	2.931	9.8	20.3
4 21	11 38.23	+10 14.8	2.102	2.938	12.9	20.5
466338 2013 RD_{29}			3 21.2 258°.13		2°.0/19.5 17	
2 11	12 31.97	+ 3 55.5	2.026	2.814	14.3	22.3
2 21	12 27.54	+ 4 11.9	1.919	2.797	11.3	22.0
3 2	12 20.68	+ 4 36.8	1.836	2.779	7.7	21.8
3 12	12 11.89	+ 5 6.2	1.778	2.760	3.9	21.5
3 22	12 1.95	+ 5 34.9	1.749	2.742	2.3	21.4
4 1	11 51.89	+ 5 57.4	1.749	2.722	5.9	21.6
4 11	11 42.77	+ 6 9.2	1.777	2.703	10.0	21.8
4 21	11 35.45	+ 6 7.5	1.828	2.683	13.7	21.9
200448 2000 WF_{9}			3 21.2 159°.98		17°.1/ 6.1 18	
2 11	12 49.63	+39 11.6	1.459	2.232	19.6	20.1
2 21	12 42.78	+41 23.0	1.425	2.240	18.0	20.1
3 2	12 31.58	+43 10.7	1.411	2.247	17.2	20.0
3 12	12 17.20	+44 18.6	1.417	2.254	17.3	20.0
3 22	12 1.52	+44 36.0	1.443	2.259	18.2	20.1
4 1	11 46.76	+44 0.6	1.488	2.263	19.8	20.2
4 11	11 34.77	+42 38.2	1.550	2.266	21.6	20.4
4 21	11 26.51	+40 39.3	1.625	2.268	23.2	20.5
117785 2005 GJ_{121}			3 21.2 349°.31		0°.3/21.4 18	
2 11	12 25.45	− 3 14.4	1.369	2.176	18.9	20.2
2 21	12 23.32	− 3 5.0	1.287	2.172	15.2	20.0
3 2	12 18.24	− 2 36.3	1.223	2.168	10.6	19.7
3 12	12 10.81	− 1 51.8	1.182	2.165	5.3	19.4
3 22	12 2.05	− 0 57.9	1.166	2.162	0.4	19.0
4 1	11 53.32	− 0 2.9	1.175	2.160	6.0	19.4
4 11	11 45.98	+ 0 44.1	1.208	2.159	11.2	19.7
4 21	11 41.00	+ 1 16.6	1.263	2.159	15.9	19.9
27773 1991 VN_{8}			3 21.2 223°.30		0°.6/20.7 18	
2 11	12 29.71	− 2 8.4	1.728	2.514	16.5	19.7
2 21	12 26.11	− 1 36.1	1.632	2.506	13.1	19.4
3 2	12 19.87	− 0 46.9	1.557	2.498	9.0	19.2
3 12	12 11.54	+ 0 15.4	1.506	2.489	4.4	18.9
3 22	12 1.99	+ 1 24.2	1.484	2.480	0.9	18.6
4 1	11 52.39	+ 2 31.4	1.489	2.470	5.7	18.9
4 11	11 43.92	+ 3 29.1	1.521	2.459	10.4	19.1
4 21	11 37.48	+ 4 11.5	1.577	2.448	14.6	19.4
219629 2001 TC_{224}			3 21.2 225°.62		1°.9/23.1 17	
2 11	12 27.84	− 8 1.7	2.051	2.806	15.2	21.0
2 21	12 24.21	− 7 56.5	1.950	2.800	12.4	20.8
3 2	12 18.33	− 7 34.5	1.869	2.793	9.0	20.6
3 12	12 10.70	− 6 57.1	1.813	2.786	5.2	20.3
3 22	12 2.07	− 6 7.7	1.785	2.779	2.0	20.1
4 1	11 53.39	− 5 11.8	1.786	2.771	4.4	20.3
4 11	11 45.64	− 4 15.8	1.815	2.763	8.3	20.5
4 21	11 39.58	− 3 26.1	1.868	2.754	12.0	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
210545 1999 RM_{164}			3 21.2 260°.09		0°.7/21.8 17	
	h m	° ′			°	m
2 11	12 26.30	− 6 2.2	1.747	2.525	16.6	20.7
2 21	12 23.47	− 5 30.1	1.643	2.510	13.4	20.5
3 2	12 18.11	− 4 37.3	1.560	2.496	9.5	20.2
3 12	12 10.70	− 3 26.4	1.501	2.481	4.9	19.9
3 22	12 2.07	− 2 3.2	1.469	2.466	0.7	19.5
4 1	11 53.30	− 0 36.1	1.466	2.450	5.2	19.8
4 11	11 45.55	+ 0 45.4	1.489	2.434	10.0	20.0
4 21	11 39.74	+ 1 53.7	1.535	2.418	14.3	20.3
93539 2000 US_{17}			3 21.2 42°.14		7°.8/14.5 18	
2 11	12 30.19	+17 24.4	1.612	2.436	15.8	18.5
2 21	12 26.37	+18 31.5	1.556	2.447	12.6	18.4
3 2	12 19.84	+19 36.9	1.523	2.458	9.7	18.2
3 12	12 11.37	+20 30.7	1.513	2.470	7.9	18.1
3 22	12 2.03	+21 4.5	1.529	2.483	8.5	18.2
4 1	11 53.05	+21 12.7	1.571	2.495	11.0	18.4
4 11	11 45.56	+20 54.1	1.635	2.509	13.9	18.6
4 21	11 40.28	+20 11.1	1.720	2.522	16.7	18.8
377818 2006 BN_{74}			3 21.2 168°.89		3°.6/17.4 17	
2 11	12 26.83	+ 6 53.0	2.017	2.822	13.7	21.1
2 21	12 23.30	+ 7 48.4	1.936	2.823	10.7	20.9
3 2	12 17.59	+ 8 51.8	1.877	2.824	7.3	20.7
3 12	12 10.28	+ 9 56.7	1.846	2.825	4.3	20.5
3 22	12 2.12	+10 56.3	1.842	2.825	4.1	20.5
4 1	11 54.06	+11 44.0	1.867	2.826	7.0	20.6
4 11	11 47.01	+12 15.0	1.918	2.826	10.4	20.8
4 21	11 41.65	+12 27.5	1.992	2.826	13.5	21.0
178129 2006 TB_{47}			3 21.2 93°.08		2°.9/17.9 17	
2 11	12 26.81	+ 7 34.0	2.414	3.211	12.0	20.8
2 21	12 22.83	+ 8 8.9	2.334	3.217	9.3	20.6
3 2	12 17.03	+ 8 48.8	2.279	3.223	6.4	20.4
3 12	12 9.92	+ 9 29.0	2.251	3.230	3.6	20.3
3 22	12 2.16	+10 4.4	2.251	3.236	3.3	20.2
4 1	11 54.53	+10 30.7	2.281	3.242	5.8	20.4
4 11	11 47.76	+10 44.6	2.339	3.248	8.8	20.6
4 21	11 42.42	+10 44.6	2.420	3.254	11.5	20.8
40639 1999 RW_{180}			3 21.2 231°.14		1°.5/19.8 16	
2 11	12 30.22	+ 1 4.7	1.951	2.737	14.8	20.4
2 21	12 26.21	+ 1 37.1	1.850	2.726	11.7	20.1
3 2	12 19.78	+ 2 22.1	1.771	2.714	8.0	19.9
3 12	12 11.45	+ 3 15.3	1.719	2.702	3.9	19.6
3 22	12 2.02	+ 4 10.8	1.694	2.689	1.8	19.4
4 1	11 52.51	+ 5 1.8	1.699	2.675	5.8	19.6
4 11	11 43.99	+ 5 42.1	1.731	2.661	10.0	19.9
4 21	11 37.29	+ 6 7.5	1.787	2.646	13.8	20.1
270117 2001 RC_{62}			3 21.2 122°.56		1°.7/19.4 18	
2 11	12 29.36	+ 1 48.0	2.084	2.870	14.0	21.5
2 21	12 25.06	+ 2 29.1	2.008	2.885	10.9	21.3
3 2	12 18.66	+ 3 20.7	1.956	2.899	7.3	21.1
3 12	12 10.75	+ 4 17.9	1.930	2.913	3.5	20.9
3 22	12 2.10	+ 5 14.6	1.933	2.926	2.0	20.8
4 1	11 53.63	+ 6 4.7	1.966	2.939	5.4	21.1
4 11	11 46.21	+ 6 43.4	2.026	2.952	9.0	21.3
4 21	11 40.48	+ 7 7.6	2.111	2.963	12.2	21.5
415321 2013 HZ_{15}			3 21.2 257°.43		2°.9/18.8 17	
2 11	12 30.24	+ 4 34.6	1.731	2.534	15.7	21.2
2 21	12 26.55	+ 5 9.7	1.636	2.522	12.4	20.9
3 2	12 20.19	+ 5 55.7	1.563	2.509	8.5	20.7
3 12	12 11.71	+ 6 46.8	1.514	2.497	4.4	20.4
3 22	12 2.00	+ 7 36.0	1.493	2.484	3.3	20.3
4 1	11 52.23	+ 8 15.7	1.500	2.470	7.1	20.5
4 11	11 43.60	+ 8 40.1	1.533	2.457	11.5	20.7
4 21	11 37.01	+ 8 46.1	1.588	2.443	15.4	20.9
292291 2006 SZ_{134}			3 21.2 228°.11		3°.1/24.9 18	
2 11	12 23.47	−13 24.8	2.409	3.136	14.0	20.9
2 21	12 20.42	−13 12.8	2.307	3.133	11.6	20.7
3 2	12 15.53	−12 42.5	2.225	3.131	8.8	20.5
3 12	12 9.26	−11 54.8	2.169	3.128	5.7	20.3
3 22	12 2.23	−10 52.5	2.140	3.126	3.3	20.1
4 1	11 55.20	− 9 40.5	2.140	3.123	4.0	20.2
4 11	11 48.94	− 8 25.1	2.169	3.120	7.0	20.4
4 21	11 44.06	− 7 12.7	2.224	3.117	10.1	20.6
11198 1999 CV_{40}			3 21.2 32°.22		4°.1/17.3 18	
2 11	12 28.77	+10 11.6	2.043	2.849	13.5	17.9
2 21	12 24.75	+10 47.4	1.965	2.852	10.6	17.7
3 2	12 18.54	+11 27.0	1.910	2.855	7.4	17.5
3 12	12 10.73	+12 4.5	1.882	2.858	4.7	17.4
3 22	12 2.11	+12 33.9	1.882	2.861	4.6	17.4
4 1	11 53.65	+12 50.3	1.909	2.864	7.2	17.5
4 11	11 46.25	+12 50.5	1.963	2.868	10.4	17.7
4 21	11 40.57	+12 33.9	2.040	2.871	13.4	17.9

65064 2002 AN_{183} 3 21.2 106°.09 0°.1/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 33.37	− 0 11.2	1.902	2.680	15.5	19.4
2 21	12 28.53	− 0 20.0	1.818	2.687	12.3	19.2
3 2	12 21.23	− 0 18.5	1.755	2.694	8.4	19.0
3 12	12 12.09	− 0 9.4	1.719	2.700	4.1	18.7
3 22	12 1.99	+ 0 3.3	1.711	2.707	0.4	18.4
4 1	11 52.03	+ 0 15.4	1.732	2.714	4.9	18.8
4 11	11 43.25	+ 0 22.3	1.780	2.720	9.1	19.0
4 21	11 36.41	+ 0 21.1	1.853	2.726	12.7	19.3

48527 1993 LC_{1} 3 21.2 221°.84 14°.0/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 49.00	+28 34.3	1.289	2.091	20.2	19.3
2 21	12 42.55	+29 49.7	1.225	2.087	17.5	19.1
3 2	12 31.72	+30 52.1	1.180	2.082	15.1	18.9
3 12	12 17.46	+31 25.2	1.157	2.076	14.0	18.8
3 22	12 1.53	+31 16.0	1.156	2.070	14.7	18.8
4 1	11 46.17	+30 19.2	1.178	2.063	17.1	18.9
4 11	11 33.38	+28 38.8	1.221	2.057	20.1	19.1
4 21	11 24.31	+26 24.9	1.282	2.049	23.1	19.3

14414 1991 RF_{6} 3 21.2 171°.83 1°.6/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.40	+ 0 31.5	1.914	2.697	15.2	19.0
2 21	12 27.01	+ 1 16.2	1.827	2.702	11.9	18.8
3 2	12 20.22	+ 2 14.4	1.763	2.705	8.1	18.6
3 12	12 11.62	+ 3 20.8	1.725	2.708	3.9	18.3
3 22	12 2.05	+ 4 28.9	1.716	2.710	1.9	18.2
4 1	11 52.57	+ 5 31.1	1.736	2.711	5.8	18.4
4 11	11 44.21	+ 6 21.1	1.784	2.711	9.9	18.7
4 21	11 37.74	+ 6 55.0	1.856	2.711	13.5	18.9

192519 1998 RE_{48} 3 21.2 225°.69 1°.8/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.81	− 6 56.2	1.684	2.452	17.5	20.9
2 21	12 27.13	− 6 53.3	1.585	2.444	14.3	20.6
3 2	12 20.69	− 6 31.3	1.506	2.436	10.3	20.4
3 12	12 12.01	− 5 51.7	1.451	2.427	5.7	20.1
3 22	12 2.01	− 4 58.5	1.423	2.418	1.8	19.8
4 1	11 51.90	− 3 58.6	1.423	2.408	5.2	20.0
4 11	11 42.95	− 3 0.1	1.449	2.398	9.9	20.2
4 21	11 36.13	− 2 10.3	1.499	2.387	14.3	20.5

372581 2009 UX_{98} 3 21.2 45°.91 1°.1/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.75	− 6 38.6	1.655	2.437	17.2	20.8
2 21	12 22.06	− 6 12.3	1.582	2.451	13.8	20.6
3 2	12 16.93	− 5 26.0	1.529	2.465	9.7	20.4
3 12	12 10.01	− 4 23.3	1.501	2.479	5.1	20.2
3 22	12 2.20	− 3 10.5	1.498	2.494	1.1	19.9
4 1	11 54.58	− 1 55.7	1.524	2.509	4.8	20.2
4 11	11 48.19	− 0 47.3	1.575	2.525	9.2	20.5
4 21	11 43.74	+ 0 8.3	1.650	2.541	13.1	20.8

462306 2008 GX_{75} 3 21.2 263°.00 1°.1/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.77	− 6 37.8	1.792	2.567	16.4	21.6
2 21	12 22.87	− 6 15.2	1.699	2.563	13.2	21.4
3 2	12 17.57	− 5 33.3	1.626	2.559	9.4	21.1
3 12	12 10.39	− 4 34.7	1.578	2.556	5.0	20.8
3 22	12 2.16	− 3 24.7	1.556	2.552	1.1	20.6
4 1	11 53.93	− 2 10.8	1.563	2.548	4.8	20.8
4 11	11 46.77	− 1 1.1	1.596	2.545	9.2	21.1
4 21	11 41.46	− 0 2.5	1.654	2.541	13.2	21.3

48992 1998 QC_{48} 3 21.2 222°.69 1°.6/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.22	− 7 42.7	2.091	2.845	15.0	19.8
2 21	12 24.50	− 7 26.2	1.985	2.836	12.2	19.6
3 2	12 18.55	− 6 52.4	1.901	2.827	8.8	19.3
3 12	12 10.84	− 6 3.0	1.842	2.817	4.9	19.1
3 22	12 2.12	− 5 2.0	1.812	2.806	1.6	18.8
4 1	11 53.33	− 3 55.1	1.810	2.795	4.3	19.0
4 11	11 45.43	− 2 49.7	1.837	2.783	8.4	19.2
4 21	11 39.19	− 1 51.8	1.889	2.771	12.1	19.4

361071 2006 AO_{4} 3 21.2 188°.01 6°.0/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.53	−27 22.8	3.578	4.161	11.8	22.0
2 21	12 26.97	−27 56.5	3.460	4.160	10.6	21.9
3 2	12 19.76	−28 14.2	3.361	4.158	9.0	21.7
3 12	12 11.29	−28 14.3	3.287	4.155	7.5	21.6
3 22	12 2.10	−27 56.1	3.241	4.151	6.3	21.5
4 1	11 52.83	−27 20.8	3.223	4.146	6.0	21.5
4 11	11 44.15	−26 31.7	3.234	4.140	6.7	21.5
4 21	11 36.63	−25 33.2	3.274	4.133	8.1	21.6

495192 2012 XV_{109} 3 21.2 60°.18 2°.5/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.20	− 7 57.2	1.275	2.065	21.0	21.1
2 21	12 26.37	− 8 0.2	1.205	2.076	17.0	20.9
3 2	12 20.34	− 7 38.8	1.153	2.087	12.3	20.6
3 12	12 11.83	− 6 55.3	1.123	2.099	6.9	20.4
3 22	12 2.05	− 5 55.1	1.116	2.110	2.5	20.1
4 1	11 52.49	− 4 47.5	1.135	2.122	5.8	20.4
4 11	11 44.59	− 3 42.9	1.179	2.134	10.9	20.7
4 21	11 39.29	− 2 50.0	1.244	2.146	15.6	21.0

139795 2001 RL_{8} 3 21.2 32°.52 2°.2/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 27.67	− 7 29.8	2.104	2.860	14.9	19.1
2 21	12 23.92	− 7 45.6	2.013	2.864	12.1	18.9
3 2	12 18.03	− 7 47.0	1.944	2.867	8.8	18.7
3 12	12 10.53	− 7 35.2	1.900	2.871	5.1	18.5
3 22	12 2.17	− 7 12.7	1.883	2.875	2.3	18.3
4 1	11 53.84	− 6 43.5	1.895	2.879	4.2	18.5
4 11	11 46.47	− 6 12.9	1.934	2.884	7.8	18.7
4 21	11 40.74	− 5 45.8	1.999	2.888	11.2	18.9

390434 2013 YB_{56} 3 21.2 48°.95 7°.9/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.78	+22 8.7	2.222	3.033	12.4	20.5
2 21	12 23.16	+23 35.5	2.158	3.034	10.3	20.3
3 2	12 17.44	+24 58.4	2.118	3.035	8.5	20.2
3 12	12 10.20	+26 9.2	2.105	3.035	7.9	20.2
3 22	12 2.20	+27 0.8	2.118	3.036	8.8	20.2
4 1	11 54.35	+27 28.3	2.156	3.037	10.6	20.4
4 11	11 47.51	+27 30.1	2.218	3.037	12.8	20.5
4 21	11 42.33	+27 7.6	2.300	3.038	14.8	20.6

205486 2001 QG_{240} 3 21.2 110°.44 1°.3/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.55	− 5 34.1	2.477	3.228	13.0	20.6
2 21	12 24.16	− 5 36.6	2.390	3.240	10.4	20.4
3 2	12 17.94	− 5 27.5	2.326	3.252	7.4	20.2
3 12	12 10.40	− 5 8.3	2.289	3.264	4.0	20.0
3 22	12 2.19	− 4 42.0	2.281	3.276	1.3	19.8
4 1	11 54.08	− 4 12.3	2.303	3.287	3.6	20.0
4 11	11 46.82	− 3 43.7	2.354	3.298	6.9	20.3
4 21	11 40.98	− 3 19.8	2.431	3.309	9.9	20.5

266413 2007 FJ_{31} 3 21.2 65°.47 0°.5/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.63	− 1 45.8	1.856	2.645	15.4	21.0
2 21	12 23.35	− 1 18.7	1.771	2.647	12.2	20.8
3 2	12 17.77	− 0 37.2	1.708	2.650	8.3	20.6
3 12	12 10.44	+ 0 14.9	1.670	2.652	4.0	20.3
3 22	12 2.18	+ 1 11.6	1.659	2.655	0.8	20.0
4 1	11 54.01	+ 2 6.2	1.676	2.658	5.1	20.4
4 11	11 46.91	+ 2 52.3	1.721	2.660	9.3	20.6
4 21	11 41.61	+ 3 25.3	1.789	2.663	13.0	20.9

472732 2015 FL_{76} 3 21.2 7°.13 1°.4/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.83	− 0 4.8	1.920	2.719	14.6	20.8
2 21	12 20.30	+ 0 39.1	1.836	2.720	11.4	20.6
3 2	12 15.64	+ 1 36.7	1.774	2.721	7.7	20.4
3 12	12 9.38	+ 2 43.0	1.738	2.722	3.7	20.1
3 22	12 2.29	+ 3 51.7	1.730	2.724	1.7	20.0
4 1	11 55.27	+ 4 55.3	1.749	2.726	5.5	20.2
4 11	11 49.23	+ 5 47.6	1.795	2.729	9.4	20.5
4 21	11 44.84	+ 6 24.4	1.864	2.732	12.9	20.7

151015 2001 UC_{113} 3 21.2 141°.76 0°.8/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.89	− 0 2.9	2.266	3.040	13.4	20.9
2 21	12 25.36	+ 0 24.9	2.183	3.052	10.5	20.7
3 2	12 18.84	+ 1 3.3	2.123	3.062	7.1	20.5
3 12	12 10.87	+ 1 48.4	2.090	3.073	3.4	20.3
3 22	12 2.17	+ 2 35.5	2.087	3.082	1.1	20.1
4 1	11 53.60	+ 3 19.3	2.114	3.091	4.6	20.4
4 11	11 45.99	+ 3 55.0	2.169	3.100	8.2	20.6
4 21	11 39.95	+ 4 19.5	2.249	3.108	11.3	20.8

167041 2003 QB_{51} 3 21.2 123°.50 1°.4/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.78	+ 0 37.9	1.973	2.754	14.9	20.7
2 21	12 27.06	+ 1 16.2	1.900	2.773	11.6	20.5
3 2	12 20.09	+ 2 6.2	1.849	2.790	7.8	20.3
3 12	12 11.49	+ 3 3.1	1.825	2.807	3.7	20.1
3 22	12 2.12	+ 4 0.7	1.829	2.824	1.7	20.0
4 1	11 52.98	+ 4 52.4	1.864	2.839	5.4	20.3
4 11	11 44.99	+ 5 33.0	1.926	2.854	9.2	20.5
4 21	11 38.85	+ 5 59.2	2.012	2.868	12.6	20.8

117511 2005 CD_{41} 3 21.2 108°.96 0°.4/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.21	− 4 7.7	1.755	2.530	16.7	20.4
2 21	12 26.94	− 3 45.5	1.682	2.548	13.2	20.2
3 2	12 20.18	− 3 6.8	1.629	2.565	9.1	20.0
3 12	12 11.59	− 2 15.3	1.601	2.582	4.6	19.8
3 22	12 2.12	− 1 16.9	1.602	2.598	0.4	19.5
4 1	11 52.87	− 0 18.6	1.630	2.614	4.9	19.9
4 11	11 44.91	+ 0 32.5	1.686	2.629	9.3	20.2
4 21	11 38.97	+ 1 11.4	1.767	2.644	13.0	20.4

346073 2007 UN_{100} 3 21.2 237°.68 3°.6/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.28	+10 30.7	2.836	3.626	10.6	21.9
2 21	12 23.89	+11 17.9	2.731	3.609	8.3	21.7
3 2	12 17.78	+12 8.9	2.652	3.591	5.9	21.6
3 12	12 10.37	+12 59.1	2.601	3.573	3.9	21.4
3 22	12 2.22	+13 43.4	2.580	3.554	4.0	21.4
4 1	11 54.02	+14 17.3	2.589	3.534	6.2	21.5
4 11	11 46.49	+14 37.7	2.626	3.514	8.8	21.6
4 21	11 40.19	+14 43.0	2.688	3.493	11.3	21.8

307644 2003 SH_{148} 3 21.2 196°.83 2°.9/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 28.13	+ 8 29.7	3.010	3.795	10.2	21.4
2 21	12 23.57	+ 9 16.8	2.915	3.791	7.9	21.3
3 2	12 17.44	+10 8.3	2.845	3.786	5.5	21.1
3 12	12 10.15	+10 59.9	2.805	3.780	3.3	21.0
3 22	12 2.25	+11 46.9	2.795	3.774	3.3	20.9
4 1	11 54.37	+12 25.4	2.816	3.767	5.4	21.1
4 11	11 47.15	+12 52.1	2.865	3.759	7.9	21.2
4 21	11 41.09	+13 5.5	2.940	3.751	10.3	21.4

106354 2000 VD_4 3 21.2 211°.66 0°.2/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.14	− 1 48.3	2.638	3.408	11.8	20.6
2 21	12 21.49	− 1 26.7	2.539	3.404	9.3	20.4
3 2	12 16.15	− 0 54.8	2.464	3.401	6.4	20.2
3 12	12 9.56	− 0 15.4	2.416	3.397	3.1	20.0
3 22	12 2.29	+ 0 27.7	2.397	3.393	0.4	19.7
4 1	11 55.04	+ 1 10.2	2.409	3.389	3.8	20.0
4 11	11 48.49	+ 1 47.6	2.449	3.385	7.1	20.2
4 21	11 43.20	+ 2 16.7	2.515	3.381	10.0	20.4

273141 2006 HO_{13} 3 21.2 345°.74 3°.2/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 20.32	−12 41.1	1.654	2.419	17.9	19.6
2 21	12 18.86	−12 20.5	1.560	2.412	14.9	19.4
3 2	12 14.97	−11 33.6	1.485	2.406	11.1	19.2
3 12	12 9.19	−10 21.5	1.433	2.401	6.9	18.9
3 22	12 2.33	− 8 49.0	1.406	2.396	3.4	18.7
4 1	11 55.45	− 7 4.5	1.405	2.392	4.9	18.7
4 11	11 49.66	− 5 18.9	1.431	2.389	9.2	19.0
4 21	11 45.75	− 3 42.2	1.481	2.386	13.3	19.2

393343 2014 CE_5 3 21.2 207°.90 2°.3/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.66	− 9 32.3	2.591	3.326	12.9	21.2
2 21	12 22.77	− 9 38.6	2.488	3.323	10.6	21.1
3 2	12 17.09	− 9 31.4	2.406	3.320	7.8	20.9
3 12	12 10.06	− 9 11.4	2.350	3.316	4.8	20.7
3 22	12 2.27	− 8 41.0	2.323	3.313	2.4	20.5
4 1	11 54.46	− 8 3.6	2.326	3.309	3.7	20.6
4 11	11 47.37	− 7 23.8	2.357	3.305	6.7	20.8
4 21	11 41.61	− 6 46.2	2.415	3.301	9.7	20.9

106309 2000 UU_{92} 3 21.2 246°.58 0°.9/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.63	− 5 2.3	2.535	3.293	12.5	20.2
2 21	12 22.00	− 4 54.3	2.431	3.287	10.1	20.0
3 2	12 16.58	− 4 34.4	2.350	3.280	7.1	19.8
3 12	12 9.82	− 4 4.4	2.296	3.273	3.8	19.5
3 22	12 2.30	− 3 27.5	2.270	3.265	0.9	19.3
4 1	11 54.75	− 2 47.8	2.274	3.258	3.6	19.5
4 11	11 47.93	− 2 10.0	2.307	3.251	7.0	19.7
4 21	11 42.43	− 1 38.0	2.365	3.243	10.1	19.9

217256 2003 UR_{315} 3 21.2 177°.36 2°.2/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.44	+ 1 40.9	1.680	2.481	16.2	20.6
2 21	12 25.07	+ 2 26.3	1.596	2.482	12.7	20.3
3 2	12 19.11	+ 3 25.7	1.535	2.482	8.6	20.1
3 12	12 11.18	+ 4 33.2	1.499	2.482	4.2	19.8
3 22	12 2.19	+ 5 41.1	1.490	2.482	2.5	19.7
4 1	11 53.27	+ 6 41.3	1.508	2.482	6.6	20.0
4 11	11 45.57	+ 7 26.6	1.552	2.482	10.9	20.2
4 21	11 39.90	+ 7 53.3	1.619	2.481	14.8	20.4

117633 2005 EM_{127} 3 21.2 316°.27 1°.4/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.49	+ 0 43.0	2.064	2.855	13.9	20.5
2 21	12 22.25	+ 1 20.1	1.976	2.855	10.9	20.3
3 2	12 16.91	+ 2 9.1	1.910	2.854	7.4	20.1
3 12	12 10.02	+ 3 5.5	1.870	2.854	3.5	19.9
3 22	12 2.29	+ 4 3.6	1.859	2.853	1.7	19.7
4 1	11 54.61	+ 4 56.9	1.876	2.853	5.3	20.0
4 11	11 47.87	+ 5 40.0	1.921	2.852	9.1	20.2
4 21	11 42.73	+ 6 9.1	1.989	2.852	12.4	20.4

221323 2005 VO_{98} 3 21.2 161°.07 5°.5/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.97	−15 51.7	2.106	2.811	16.3	19.9
2 21	12 27.49	−16 37.8	2.009	2.814	13.9	19.8
3 2	12 20.63	−17 6.0	1.932	2.817	11.0	19.6
3 12	12 11.91	−17 14.4	1.879	2.820	8.0	19.4
3 22	12 2.13	−17 3.3	1.852	2.822	5.7	19.2
4 1	11 52.30	−16 35.2	1.854	2.824	6.0	19.3
4 11	11 43.47	−15 55.7	1.883	2.826	8.4	19.4
4 21	11 36.44	−15 11.3	1.938	2.827	11.5	19.6

333669 2008 SC_{295} 3 21.2 267°.06 6°.8/27.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.27	−20 27.7	2.243	2.922	16.1	21.2
2 21	12 25.55	−21 13.2	2.120	2.900	14.1	20.9
3 2	12 19.48	−21 39.8	2.016	2.877	11.7	20.7
3 12	12 11.46	−21 44.3	1.934	2.854	9.1	20.5
3 22	12 2.16	−21 25.6	1.877	2.831	7.2	20.4
4 1	11 52.54	−20 45.1	1.848	2.807	7.1	20.3
4 11	11 43.68	−19 47.8	1.846	2.783	9.0	20.4
4 21	11 36.46	−18 41.0	1.869	2.758	11.8	20.5

416965 2005 SR_{272} 3 21.2 170°.81 5°.3/27.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 28.97	−19 25.5	2.412	3.091	15.1	22.0
2 21	12 24.81	−19 42.1	2.311	3.095	12.9	21.8
3 2	12 18.61	−19 38.8	2.229	3.099	10.4	21.7
3 12	12 10.85	−19 14.6	2.171	3.102	7.7	21.5
3 22	12 2.23	−18 30.4	2.140	3.104	5.7	21.4
4 1	11 53.60	−17 29.8	2.138	3.105	5.6	21.4
4 11	11 45.84	−16 18.7	2.164	3.106	7.5	21.5
4 21	11 39.62	−15 4.2	2.216	3.106	10.2	21.6

66786 1999 TX_{228} 3 21.2 239°.91 0°.6/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.07	− 1 41.9	2.054	2.837	14.3	20.0
2 21	12 22.77	− 1 10.6	1.960	2.833	11.3	19.8
3 2	12 17.33	− 0 25.6	1.887	2.828	7.7	19.6
3 12	12 10.26	+ 0 29.4	1.841	2.824	3.7	19.3
3 22	12 2.28	+ 1 29.0	1.823	2.819	0.8	19.1
4 1	11 54.32	+ 2 26.8	1.833	2.814	4.9	19.4
4 11	11 47.28	+ 3 16.6	1.871	2.809	8.9	19.6
4 21	11 41.87	+ 3 54.0	1.934	2.804	12.4	19.8

301986 2000 LF_7 3 21.2 190°.99 2°.4/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.95	+ 2 17.1	1.943	2.734	14.7	21.7
2 21	12 25.93	+ 3 17.2	1.853	2.733	11.5	21.4
3 2	12 19.55	+ 4 30.5	1.786	2.731	7.8	21.2
3 12	12 11.36	+ 5 50.9	1.746	2.728	3.9	21.0
3 22	12 2.20	+ 7 10.9	1.734	2.725	2.9	20.9
4 1	11 53.06	+ 8 22.4	1.752	2.720	6.4	21.1
4 11	11 44.97	+ 9 18.8	1.796	2.715	10.4	21.3
4 21	11 38.70	+ 9 56.5	1.865	2.709	13.9	21.5

82674 2001 PB_{23} 3 21.2 168°.62 3°.2/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.70	−11 52.9	2.526	3.248	13.5	20.1
2 21	12 23.64	−12 7.8	2.427	3.251	11.2	19.9
3 2	12 17.71	−12 7.9	2.348	3.252	8.4	19.7
3 12	12 10.38	−11 53.6	2.296	3.254	5.5	19.5
3 22	12 2.29	−11 26.6	2.271	3.255	3.3	19.4
4 1	11 54.19	−10 50.3	2.276	3.257	4.1	19.4
4 11	11 46.87	−10 9.4	2.310	3.257	6.8	19.6
4 21	11 40.95	− 9 28.9	2.370	3.258	9.7	19.8

226012 2002 EG_{58} 3 21.2 30°.39 0°.7/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.95	− 6 39.0	1.663	2.448	17.0	19.8
2 21	12 20.74	− 5 57.7	1.583	2.454	13.6	19.5
3 2	12 16.13	− 4 55.0	1.523	2.461	9.5	19.3
3 12	12 9.71	− 3 34.8	1.487	2.467	4.9	19.0
3 22	12 2.35	− 2 4.3	1.478	2.475	0.7	18.7
4 1	11 55.11	− 0 32.5	1.497	2.482	5.0	19.1
4 11	11 49.01	+ 0 51.1	1.542	2.490	9.5	19.3
4 21	11 44.80	+ 1 59.6	1.610	2.499	13.5	19.6

239468 2007 TR_{388} 3 21.2 253°.93 1°.1/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.31	+ 0 16.6	2.219	3.005	13.3	20.7
2 21	12 22.00	+ 0 51.6	2.124	3.000	10.4	20.5
3 2	12 16.72	+ 1 38.2	2.051	2.994	7.1	20.3
3 12	12 9.94	+ 2 32.4	2.005	2.988	3.4	20.0
3 22	12 2.34	+ 3 28.9	1.987	2.982	1.4	19.9
4 1	11 54.75	+ 4 21.9	1.999	2.976	4.9	20.1
4 11	11 47.99	+ 5 5.9	2.038	2.970	8.6	20.3
4 21	11 42.73	+ 5 37.2	2.102	2.964	11.9	20.5

48389 1979 MV_8 3 21.2 268°.04 1°.9/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.63	+ 0 29.2	1.770	2.568	15.6	20.0
2 21	12 23.74	+ 1 20.3	1.668	2.551	12.4	19.8
3 2	12 18.33	+ 2 27.9	1.587	2.534	8.4	19.5
3 12	12 10.91	+ 3 46.7	1.532	2.516	4.1	19.2
3 22	12 2.26	+ 5 9.1	1.504	2.497	2.3	19.0
4 1	11 53.47	+ 6 26.3	1.504	2.479	6.5	19.3
4 11	11 45.69	+ 7 30.0	1.530	2.460	11.0	19.5
4 21	11 39.80	+ 8 14.7	1.579	2.441	15.1	19.7

504509 2008 PS_{10} 3 21.2 231°.87 4°.2/25.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.71	−14 29.9	2.517	3.219	14.0	22.1
2 21	12 26.21	−14 56.6	2.398	3.205	11.8	21.9
3 2	12 19.64	−15 7.8	2.301	3.191	9.2	21.7
3 12	12 11.43	−15 2.8	2.229	3.176	6.5	21.5
3 22	12 2.22	−14 42.0	2.184	3.160	4.4	21.4
4 1	11 52.84	−14 8.1	2.170	3.144	4.9	21.4
4 11	11 44.17	−13 25.7	2.184	3.127	7.4	21.5
4 21	11 36.96	−12 40.3	2.225	3.110	10.4	21.7

273272 2006 OU 3 21.2 159°.52 0°.7/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.53	− 4 50.5	2.129	2.889	14.6	21.9
2 21	12 26.10	− 4 31.9	2.039	2.896	11.7	21.7
3 2	12 19.52	− 3 58.7	1.972	2.903	8.1	21.5
3 12	12 11.31	− 3 13.8	1.930	2.909	4.2	21.2
3 22	12 2.25	− 2 21.4	1.918	2.914	0.7	21.0
4 1	11 53.26	− 1 27.4	1.935	2.918	4.3	21.2
4 11	11 45.28	− 0 37.6	1.980	2.922	8.2	21.5
4 21	11 38.97	+ 0 3.0	2.052	2.925	11.6	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
205709 2002 AE_{50}			3 21.2 112°.79		3°.4/18.1 18	
	h m	° ′			°	m
2 11	12 29.36	+ 3 49.7	1.603	2.411	16.6	20.6
2 21	12 25.78	+ 4 58.2	1.534	2.423	12.9	20.4
3 2	12 19.56	+ 6 19.8	1.486	2.435	8.7	20.2
3 12	12 11.38	+ 7 46.3	1.464	2.446	4.6	20.0
3 22	12 2.24	+ 9 8.2	1.470	2.457	4.0	20.0
4 1	11 53.33	+10 16.6	1.502	2.468	7.6	20.2
4 11	11 45.77	+11 4.8	1.560	2.478	11.7	20.5
4 21	11 40.33	+11 30.4	1.640	2.488	15.3	20.7
506533 2004 TR_{208}			3 21.2 221°.14		0°.9/22.3 17	
2 11	12 27.92	− 5 58.0	2.539	3.289	12.8	23.2
2 21	12 23.85	− 5 39.8	2.428	3.278	10.3	23.0
3 2	12 17.91	− 5 8.1	2.340	3.266	7.3	22.7
3 12	12 10.52	− 4 25.0	2.278	3.254	3.9	22.5
3 22	12 2.31	− 3 33.8	2.246	3.242	0.9	22.3
4 1	11 54.03	− 2 39.3	2.244	3.228	3.7	22.5
4 11	11 46.46	− 1 46.7	2.272	3.214	7.2	22.6
4 21	11 40.25	− 1 0.7	2.326	3.199	10.5	22.8
85178 1990 TQ			3 21.2 153°.87		0°.3/21.5 18	
2 11	12 33.84	− 3 11.4	2.087	2.847	14.8	20.3
2 21	12 28.70	− 2 56.8	2.000	2.858	11.8	20.1
3 2	12 21.28	− 2 29.0	1.935	2.868	8.2	19.9
3 12	12 12.17	− 1 51.0	1.897	2.877	4.1	19.7
3 22	12 2.18	− 1 7.1	1.889	2.885	0.3	19.4
4 1	11 52.32	− 0 22.8	1.910	2.892	4.5	19.7
4 11	11 43.54	+ 0 16.2	1.960	2.898	8.5	20.0
4 21	11 36.55	+ 0 45.7	2.036	2.904	12.0	20.2
439780 2015 GQ_{26}			3 21.2 222°.59		3°.1/16.9 18	
2 11	12 24.09	+ 7 20.2	2.762	3.557	10.7	21.4
2 21	12 20.64	+ 8 23.6	2.666	3.549	8.3	21.3
3 2	12 15.58	+ 9 33.5	2.597	3.541	5.7	21.1
3 12	12 9.33	+10 44.8	2.555	3.532	3.5	20.9
3 22	12 2.42	+11 52.2	2.544	3.523	3.5	20.9
4 1	11 55.51	+12 50.3	2.562	3.514	5.8	21.0
4 11	11 49.25	+13 35.1	2.608	3.504	8.5	21.2
4 21	11 44.19	+14 4.5	2.679	3.494	11.0	21.3
296202 2009 BO_{188}			3 21.2 192°.89		2°.9/17.3 18	
2 11	12 23.14	+ 4 48.2	2.454	3.251	11.8	21.1
2 21	12 20.08	+ 6 4.4	2.366	3.250	9.1	20.9
3 2	12 15.28	+ 7 30.0	2.303	3.250	6.2	20.7
3 12	12 9.19	+ 8 59.0	2.269	3.249	3.5	20.6
3 22	12 2.43	+10 25.0	2.264	3.247	3.4	20.6
4 1	11 55.71	+11 41.5	2.288	3.246	6.0	20.7
4 11	11 49.74	+12 43.2	2.341	3.244	9.0	20.9
4 21	11 45.08	+13 27.4	2.417	3.243	11.8	21.1
414128 2007 VS_{43}			3 21.2 255°.08		3°.8/24.4 16	
2 11	12 29.84	−11 35.0	1.817	2.561	17.3	22.1
2 21	12 26.37	−11 50.3	1.706	2.544	14.4	21.8
3 2	12 20.24	−11 45.6	1.614	2.527	11.0	21.5
3 12	12 11.91	−11 20.3	1.546	2.509	7.1	21.3
3 22	12 2.19	−10 36.1	1.503	2.491	4.0	21.0
4 1	11 52.21	− 9 37.7	1.489	2.472	5.4	21.1
4 11	11 43.21	− 8 33.0	1.501	2.452	9.4	21.3
4 21	11 36.18	− 7 30.2	1.538	2.432	13.6	21.4
521221 2015 GX_{52}			3 21.2 300°.61		6°.5/14.8 17	
2 11	12 31.14	+18 22.1	2.178	2.983	12.9	20.8
2 21	12 26.68	+19 5.6	2.092	2.970	10.4	20.6
3 2	12 19.96	+19 47.1	2.029	2.958	8.1	20.5
3 12	12 11.56	+20 19.8	1.993	2.946	6.6	20.3
3 22	12 2.25	+20 37.4	1.984	2.935	7.1	20.3
4 1	11 53.02	+20 35.2	2.002	2.923	9.2	20.5
4 11	11 44.82	+20 11.6	2.046	2.912	11.9	20.6
4 21	11 38.38	+19 27.5	2.111	2.900	14.5	20.7
365764 2010 XX_{11}			3 21.3 156°.84		2°.9/17.8 18	
2 11	12 29.58	+ 5 53.5	2.455	3.242	12.1	21.8
2 21	12 25.00	+ 6 51.2	2.374	3.251	9.4	21.7
3 2	12 18.56	+ 7 56.1	2.318	3.261	6.4	21.5
3 12	12 10.78	+ 9 2.7	2.290	3.269	3.6	21.3
3 22	12 2.32	+10 5.2	2.292	3.276	3.2	21.3
4 1	11 53.98	+10 58.1	2.324	3.283	5.9	21.5
4 11	11 46.51	+11 37.2	2.385	3.289	8.9	21.7
4 21	11 40.50	+12 0.6	2.470	3.293	11.6	21.9
305366 2008 BD_{47}			3 21.3 217°.66		2°.2/23.9 17	
2 11	12 26.10	− 9 25.3	2.740	3.473	12.3	21.4
2 21	12 22.25	− 9 31.0	2.634	3.468	10.1	21.3
3 2	12 16.72	− 9 23.9	2.551	3.464	7.4	21.1
3 12	12 9.91	− 9 4.8	2.493	3.459	4.6	20.9
3 22	12 2.40	− 8 36.0	2.465	3.455	2.3	20.7
4 1	11 54.85	− 8 0.6	2.467	3.450	3.5	20.8
4 11	11 47.98	− 7 22.9	2.497	3.444	6.4	21.0
4 21	11 42.34	− 6 47.2	2.554	3.439	9.2	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
419633 2010 TU_{3}			3 21.3 225°.92		0°.2/21.1 16	
	h m	° ′			°	m
2 11	12 27.93	− 3 24.3	1.883	2.662	15.5	22.3
2 21	12 24.52	− 2 50.5	1.785	2.655	12.4	22.0
3 2	12 18.71	− 1 59.8	1.709	2.647	8.6	21.8
3 12	12 11.04	− 0 55.9	1.657	2.639	4.2	21.5
3 22	12 2.30	+ 0 15.5	1.634	2.630	0.5	21.2
4 1	11 53.51	+ 1 26.7	1.639	2.621	5.1	21.5
4 11	11 45.72	+ 2 30.3	1.672	2.612	9.5	21.7
4 21	11 39.75	+ 3 20.3	1.728	2.602	13.5	21.9
401515 2013 ES_{58}			3 21.3 139°.34		1°.0/20.5 18	
2 11	12 30.77	− 0 20.5	1.548	2.345	17.6	21.3
2 21	12 27.15	+ 0 0.3	1.466	2.347	13.9	21.1
3 2	12 20.69	+ 0 36.3	1.405	2.350	9.5	20.8
3 12	12 12.05	+ 1 22.7	1.369	2.352	4.6	20.5
3 22	12 2.22	+ 2 13.1	1.359	2.354	1.3	20.3
4 1	11 52.50	+ 2 59.7	1.376	2.356	6.1	20.6
4 11	11 44.13	+ 3 35.3	1.418	2.358	10.9	20.9
4 21	11 38.02	+ 3 55.6	1.484	2.360	15.1	21.2
372547 2009 TK_{27}			3 21.3 156°.10		1°.6/19.5 16	
2 11	12 27.51	+ 1 14.3	2.233	3.017	13.3	21.8
2 21	12 23.62	+ 2 1.1	2.148	3.023	10.3	21.6
3 2	12 17.75	+ 2 58.9	2.086	3.029	7.0	21.4
3 12	12 10.43	+ 4 3.0	2.052	3.034	3.4	21.2
3 22	12 2.36	+ 5 7.6	2.046	3.039	1.9	21.1
4 1	11 54.38	+ 6 6.4	2.070	3.043	5.2	21.3
4 11	11 47.31	+ 6 54.3	2.122	3.047	8.7	21.5
4 21	11 41.77	+ 7 27.9	2.199	3.051	11.8	21.8
284136 2005 VC_{77}			3 21.3 124°.78		3°.3/24.0 18	
2 11	12 30.82	−10 50.6	1.581	2.338	18.9	21.3
2 21	12 27.16	−10 54.0	1.500	2.348	15.6	21.1
3 2	12 20.68	−10 34.5	1.437	2.357	11.5	20.9
3 12	12 12.04	− 9 52.9	1.398	2.366	7.0	20.6
3 22	12 2.23	− 8 53.3	1.384	2.375	3.5	20.4
4 1	11 52.55	− 7 43.0	1.398	2.383	5.3	20.5
4 11	11 44.23	− 6 31.2	1.438	2.391	9.6	20.8
4 21	11 38.16	− 5 26.4	1.502	2.398	13.8	21.1
9205 Eddywally			3 21.3 20°.51		0°.3/20.9 18	
2 11	12 24.29	− 1 51.2	2.001	2.788	14.5	17.6
2 21	12 21.36	− 1 29.1	1.917	2.793	11.4	17.4
3 2	12 16.35	− 0 53.8	1.856	2.797	7.8	17.2
3 12	12 9.79	− 0 9.1	1.820	2.803	3.8	17.0
3 22	12 2.43	+ 0 40.0	1.812	2.808	0.5	16.7
4 1	11 55.16	+ 1 27.6	1.832	2.814	4.6	17.1
4 11	11 48.85	+ 2 8.0	1.879	2.821	8.5	17.3
4 21	11 44.16	+ 2 37.1	1.950	2.827	12.0	17.5
183614 2003 UJ_{203}			3 21.3 268°.53		3°.1/18.9 18	
2 11	12 32.34	+ 5 40.0	1.626	2.432	16.5	20.3
2 21	12 28.37	+ 6 1.9	1.537	2.424	13.0	20.0
3 2	12 21.56	+ 6 32.8	1.470	2.417	8.9	19.8
3 12	12 12.52	+ 7 6.9	1.427	2.409	4.7	19.5
3 22	12 2.21	+ 7 37.4	1.411	2.401	3.4	19.4
4 1	11 51.90	+ 7 57.5	1.422	2.393	7.3	19.6
4 11	11 42.88	+ 8 2.3	1.459	2.386	11.7	19.8
4 21	11 36.08	+ 7 49.7	1.518	2.378	15.7	20.0
431609 2007 VB_{248}			3 21.3 143°.18		4°.6/15.5 17	
2 11	12 26.56	+12 29.7	2.432	3.237	11.7	21.4
2 21	12 22.72	+13 31.9	2.357	3.242	9.2	21.2
3 2	12 17.05	+14 36.6	2.307	3.247	6.6	21.1
3 12	12 10.06	+15 37.8	2.284	3.251	4.8	21.0
3 22	12 2.42	+16 29.5	2.290	3.256	5.2	21.0
4 1	11 54.88	+17 6.8	2.325	3.260	7.3	21.1
4 11	11 48.21	+17 26.5	2.385	3.264	9.9	21.3
4 21	11 42.97	+17 28.2	2.469	3.268	12.3	21.5
271662 2004 RM_{40}			3 21.3 97°.37		1°.6/22.8 18	
2 11	12 28.40	− 6 52.3	1.992	2.753	15.4	21.1
2 21	12 24.57	− 6 46.7	1.909	2.764	12.4	21.0
3 2	12 18.53	− 6 25.0	1.848	2.775	8.8	20.7
3 12	12 10.86	− 5 49.4	1.812	2.787	4.9	20.5
3 22	12 2.35	− 5 4.0	1.803	2.798	1.6	20.3
4 1	11 53.96	− 4 14.2	1.824	2.809	4.2	20.5
4 11	11 46.63	− 3 26.4	1.872	2.820	8.1	20.8
4 21	11 41.04	− 2 45.8	1.945	2.830	11.6	21.0
30938 Montmartre			3 21.3 340°.38		8°.3/28.0 18	
2 11	12 26.91	−19 51.4	1.657	2.372	19.7	18.3
2 21	12 24.35	−20 57.7	1.563	2.366	17.2	18.0
3 2	12 19.00	−21 40.6	1.485	2.361	14.3	17.8
3 12	12 11.35	−21 56.0	1.428	2.355	11.2	17.6
3 22	12 2.30	−21 42.1	1.394	2.351	8.8	17.5
4 1	11 53.08	−21 1.1	1.384	2.347	8.5	17.4
4 11	11 45.01	−20 0.3	1.399	2.343	10.6	17.5
4 21	11 39.13	−18 49.4	1.436	2.340	13.8	17.7

374150 2004 TL_{252} 3 21.3 163°.40 1°.0/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 26.75	− 6 35.3	2.278	3.034	13.9	22.1
2 21	12 23.05	− 6 11.0	2.184	3.038	11.1	21.9
3 2	12 17.40	− 5 31.4	2.113	3.042	7.9	21.7
3 12	12 10.29	− 4 39.0	2.068	3.045	4.2	21.5
3 22	12 2.40	− 3 38.2	2.052	3.048	1.0	21.2
4 1	11 54.57	− 2 34.4	2.066	3.050	3.9	21.5
4 11	11 47.60	− 1 33.8	2.108	3.052	7.6	21.7
4 21	11 42.12	− 0 41.5	2.175	3.054	10.9	21.9

422698 2000 OW_{56} 3 21.3 208°.46 4°.1/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.26	−14 44.1	2.593	3.290	13.7	21.9
2 21	12 26.52	−15 8.5	2.480	3.283	11.6	21.8
3 2	12 19.80	−15 17.4	2.388	3.275	9.0	21.6
3 12	12 11.51	−15 10.3	2.321	3.267	6.3	21.4
3 22	12 2.30	−14 47.9	2.283	3.258	4.3	21.2
4 1	11 52.98	−14 12.8	2.274	3.248	4.7	21.2
4 11	11 44.40	−13 29.8	2.295	3.237	7.2	21.4
4 21	11 37.24	−12 44.1	2.342	3.226	10.0	21.5

183158 2002 SS_{8} 3 21.3 328°.11 0°.9/22.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.94	− 6 31.9	1.482	2.277	18.3	19.9
2 21	12 21.24	− 6 1.7	1.392	2.268	14.8	19.6
3 2	12 16.82	− 5 7.6	1.320	2.260	10.5	19.3
3 12	12 10.24	− 3 52.8	1.272	2.252	5.5	19.0
3 22	12 2.40	− 2 24.2	1.249	2.245	0.9	18.7
4 1	11 54.51	− 0 51.6	1.252	2.238	5.5	19.0
4 11	11 47.83	+ 0 34.1	1.280	2.232	10.7	19.3
4 21	11 43.29	+ 1 44.1	1.331	2.226	15.2	19.5

388400 2006 VL_{49} 3 21.3 196°.92 6°.5/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.83	−25 14.2	2.721	3.360	14.3	20.8
2 21	12 21.48	−25 39.0	2.615	3.359	12.6	20.7
3 2	12 16.32	−25 43.9	2.527	3.357	10.7	20.5
3 12	12 9.77	−25 27.1	2.461	3.356	8.6	20.4
3 22	12 2.45	−24 48.7	2.421	3.354	7.0	20.3
4 1	11 55.09	−23 51.1	2.407	3.353	6.5	20.2
4 11	11 48.47	−22 39.2	2.421	3.351	7.5	20.3
4 21	11 43.19	−21 19.4	2.462	3.349	9.4	20.4

257986 2001 DS_{69} 3 21.3 58°.47 1°.8/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.07	− 7 15.2	2.492	3.241	13.0	20.4
2 21	12 22.32	− 7 21.3	2.401	3.248	10.5	20.2
3 2	12 16.79	− 7 14.8	2.333	3.255	7.6	20.0
3 12	12 9.96	− 6 57.2	2.291	3.262	4.4	19.9
3 22	12 2.44	− 6 30.9	2.277	3.270	1.8	19.7
4 1	11 54.98	− 5 59.8	2.293	3.277	3.6	19.8
4 11	11 48.30	− 5 28.2	2.337	3.285	6.7	20.0
4 21	11 42.99	− 5 0.2	2.407	3.292	9.7	20.2

248331 2005 QP_{38} 3 21.3 233°.70 5°.9/27.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.98	−19 8.1	2.722	3.385	13.8	20.7
2 21	12 27.90	−20 9.8	2.608	3.378	12.0	20.5
3 2	12 20.78	−20 57.1	2.515	3.370	9.9	20.4
3 12	12 12.02	−21 27.9	2.447	3.363	7.7	20.2
3 22	12 2.27	−21 40.9	2.406	3.355	6.1	20.1
4 1	11 52.33	−21 36.9	2.395	3.347	6.1	20.1
4 11	11 43.08	−21 19.3	2.412	3.339	7.7	20.2
4 21	11 35.24	−20 52.7	2.455	3.330	9.9	20.3

230895 2004 TF_{12} 3 21.3 148°.35 2°.5/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.38	+ 4 47.8	2.223	3.015	13.1	20.9
2 21	12 24.30	+ 5 31.3	2.142	3.022	10.2	20.7
3 2	12 18.22	+ 6 22.9	2.084	3.028	6.9	20.5
3 12	12 10.67	+ 7 17.4	2.053	3.034	3.6	20.3
3 22	12 2.39	+ 8 9.0	2.051	3.039	2.9	20.3
4 1	11 54.21	+ 8 52.2	2.078	3.044	5.8	20.5
4 11	11 46.97	+ 9 22.6	2.133	3.049	9.1	20.7
4 21	11 41.30	+ 9 38.0	2.212	3.053	12.1	20.9

471341 2011 PO_{15} 3 21.3 221°.79 3°.3/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.75	−15 25.1	2.928	3.626	12.3	22.3
2 21	12 21.18	−15 20.0	2.812	3.617	10.3	22.1
3 2	12 15.99	−14 59.0	2.718	3.608	8.0	21.9
3 12	12 9.58	−14 22.4	2.649	3.597	5.5	21.7
3 22	12 2.48	−13 32.0	2.609	3.587	3.6	21.6
4 1	11 55.33	−12 31.1	2.598	3.576	3.9	21.6
4 11	11 48.79	−11 24.7	2.617	3.564	6.1	21.7
4 21	11 43.40	−10 18.1	2.664	3.553	8.7	21.9

437634 2014 BX_{34} 3 21.3 6°.53 2°.9/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.53	− 9 2.1	2.109	2.858	15.0	20.5
2 21	12 23.91	− 9 27.3	2.014	2.858	12.3	20.3
3 2	12 18.14	− 9 37.8	1.941	2.859	9.1	20.1
3 12	12 10.72	− 9 34.0	1.893	2.860	5.7	19.9
3 22	12 2.39	− 9 17.7	1.872	2.861	3.0	19.8
4 1	11 54.06	− 8 52.7	1.880	2.863	4.4	19.8
4 11	11 46.65	− 8 24.0	1.914	2.865	7.8	20.0
4 21	11 40.88	− 7 56.7	1.974	2.867	11.1	20.3

120118 2003 FF_{83} 3 21.3 57°.02 9°.9/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 39.54	+25 40.3	1.764	2.563	15.7	18.9
2 21	12 33.65	+26 31.9	1.704	2.568	13.2	18.8
3 2	12 24.85	+27 13.9	1.666	2.574	11.0	18.6
3 12	12 13.95	+27 36.5	1.652	2.579	9.9	18.6
3 22	12 2.15	+27 32.4	1.663	2.585	10.5	18.6
4 1	11 50.81	+26 58.0	1.700	2.591	12.4	18.8
4 11	11 41.16	+25 54.9	1.761	2.596	14.9	18.9
4 21	11 33.97	+24 27.8	1.842	2.602	17.2	19.1

278654 2008 RS_{44} 3 21.3 255°.01 0°.7/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.70	− 1 26.3	2.025	2.810	14.4	21.2
2 21	12 22.55	− 0 50.6	1.930	2.805	11.4	21.0
3 2	12 17.25	− 0 0.9	1.857	2.799	7.8	20.7
3 12	12 10.30	+ 0 58.9	1.811	2.794	3.7	20.5
3 22	12 2.43	+ 2 3.1	1.792	2.788	1.0	20.2
4 1	11 54.57	+ 3 5.0	1.802	2.782	5.0	20.5
4 11	11 47.62	+ 3 58.1	1.840	2.776	9.0	20.7
4 21	11 42.32	+ 4 37.8	1.901	2.771	12.6	21.0

217046 2001 QE_{152} 3 21.3 152°.51 10°.5/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 39.53	−32 21.5	2.481	3.043	17.0	20.6
2 21	12 33.64	−34 2.7	2.384	3.051	15.6	20.5
3 2	12 25.07	−35 23.4	2.305	3.059	13.9	20.3
3 12	12 14.28	−36 18.1	2.246	3.066	12.3	20.2
3 22	12 2.11	−36 42.9	2.211	3.073	11.0	20.1
4 1	11 49.70	−36 36.8	2.201	3.079	10.5	20.1
4 11	11 38.25	−36 3.5	2.217	3.084	11.0	20.2
4 21	11 28.76	−35 9.8	2.256	3.089	12.2	20.2

93846 2000 WW_{91} 3 21.3 23°.19 1°.0/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.47	+ 0 1.3	1.870	2.661	15.2	19.7
2 21	12 24.06	+ 0 25.0	1.784	2.662	12.0	19.5
3 2	12 18.33	+ 1 1.3	1.719	2.663	8.1	19.3
3 12	12 10.83	+ 1 46.0	1.680	2.664	3.9	19.0
3 22	12 2.40	+ 2 33.7	1.669	2.665	1.2	18.8
4 1	11 54.03	+ 3 17.8	1.686	2.666	5.3	19.1
4 11	11 46.72	+ 3 52.6	1.729	2.667	9.5	19.3
4 21	11 41.23	+ 4 14.2	1.797	2.668	13.1	19.6

154993 2005 EA_{94} 3 21.3 37°.71 26°.5/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	18 39.67	+16 9.9	0.174	0.893	118.0	18.5
2 21	16 27.80	+36 5.0	0.175	1.015	76.4	16.7
3 2	14 12.04	+42 53.5	0.227	1.133	46.8	16.6
3 12	12 46.21	+41 0.1	0.312	1.244	31.9	17.1
3 22	12 0.60	+37 11.5	0.417	1.350	26.9	17.8
4 1	11 37.07	+33 22.4	0.539	1.450	26.8	18.5
4 11	11 25.93	+29 53.9	0.674	1.544	28.3	19.1
4 21	11 22.20	+26 46.1	0.822	1.632	29.7	19.7

371764 2007 GC_{49} 3 21.3 61°.07 2°.1/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.53	−10 0.2	1.869	2.629	16.3	20.5
2 21	12 21.78	− 9 36.1	1.782	2.634	13.3	20.3
3 2	12 16.77	− 8 51.0	1.716	2.640	9.6	20.1
3 12	12 10.06	− 7 47.0	1.674	2.646	5.6	19.9
3 22	12 2.46	− 6 29.2	1.658	2.651	2.2	19.7
4 1	11 54.94	− 5 4.9	1.671	2.657	4.4	19.8
4 11	11 48.46	− 3 42.6	1.712	2.663	8.4	20.1
4 21	11 43.73	− 2 29.5	1.777	2.670	12.2	20.3

228165 Mezentsev 3 21.3 75°.19 5°.3/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.69	+11 41.4	1.801	2.613	14.9	20.3
2 21	12 26.52	+12 33.0	1.736	2.625	11.6	20.1
3 2	12 19.91	+13 27.8	1.693	2.636	8.3	19.9
3 12	12 11.55	+14 18.2	1.677	2.648	5.6	19.8
3 22	12 2.36	+14 56.9	1.687	2.660	5.8	19.8
4 1	11 53.43	+15 18.2	1.725	2.672	8.5	20.0
4 11	11 45.79	+15 19.2	1.788	2.684	11.7	20.2
4 21	11 40.13	+15 0.0	1.873	2.696	14.7	20.4

360264 2000 QL_{220} 3 21.3 226°.94 1°.5/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.47	− 6 14.4	1.902	2.662	16.1	21.8
2 21	12 27.40	− 6 10.9	1.797	2.652	13.1	21.6
3 2	12 20.80	− 5 50.7	1.713	2.641	9.4	21.3
3 12	12 12.16	− 5 15.4	1.653	2.629	5.2	21.0
3 22	12 2.30	− 4 28.9	1.622	2.617	1.5	20.7
4 1	11 52.30	− 3 36.7	1.619	2.604	4.7	20.9
4 11	11 43.31	− 2 45.9	1.644	2.590	9.2	21.2
4 21	11 36.21	− 2 2.8	1.693	2.575	13.2	21.4

326346 2000 SZ_{55} 3 21.3 258°.33 0°.9/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.97	− 7 16.4	2.065	2.828	14.9	20.8
2 21	12 22.07	− 6 36.8	1.955	2.813	12.0	20.5
3 2	12 17.01	− 5 37.6	1.866	2.797	8.5	20.3
3 12	12 10.24	− 4 21.5	1.804	2.781	4.5	20.0
3 22	12 2.45	− 2 53.5	1.769	2.765	0.9	19.7
4 1	11 54.56	− 1 21.1	1.764	2.748	4.4	19.9
4 11	11 47.51	+ 0 7.4	1.786	2.731	8.7	20.1
4 21	11 42.05	+ 1 24.9	1.834	2.714	12.5	20.3

520081 2013 XG_{27} 3 21.3 167°.03 4°.2/25.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 28.42	−14 24.2	2.382	3.093	14.5	21.8
2 21	12 24.41	−14 49.9	2.282	3.095	12.2	21.6
3 2	12 18.39	−14 59.3	2.203	3.096	9.4	21.4
3 12	12 10.83	−14 51.7	2.149	3.098	6.6	21.2
3 22	12 2.42	−14 28.4	2.122	3.099	4.4	21.1
4 1	11 53.98	−13 52.5	2.124	3.100	4.8	21.1
4 11	11 46.37	−13 9.0	2.154	3.101	7.3	21.3
4 21	11 40.27	−12 23.6	2.211	3.101	10.2	21.4

274850 2009 QF_{48} 3 21.3 153°.53 2°.0/18.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.47	+ 2 10.9	2.345	3.129	12.7	22.2
2 21	12 23.49	+ 3 8.6	2.261	3.137	9.9	22.0
3 2	12 17.63	+ 4 16.6	2.202	3.145	6.6	21.8
3 12	12 10.39	+ 5 29.7	2.170	3.152	3.3	21.6
3 22	12 2.46	+ 6 42.0	2.168	3.159	2.3	21.5
4 1	11 54.62	+ 7 47.3	2.196	3.165	5.3	21.7
4 11	11 47.66	+ 8 40.3	2.253	3.171	8.6	22.0
4 21	11 42.15	+ 9 18.2	2.334	3.175	11.6	22.2

84728 2002 WZ_{7} 3 21.3 126°.52 0°.3/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.87	− 3 51.1	2.430	3.195	12.8	20.5
2 21	12 22.19	− 3 27.4	2.341	3.202	10.2	20.3
3 2	12 16.72	− 2 51.3	2.276	3.210	7.0	20.1
3 12	12 9.95	− 2 5.8	2.238	3.217	3.5	19.9
3 22	12 2.50	− 1 15.0	2.228	3.225	0.3	19.7
4 1	11 55.13	− 0 23.8	2.248	3.231	3.8	20.0
4 11	11 48.57	+ 0 22.7	2.297	3.238	7.3	20.2
4 21	11 43.40	+ 1 0.6	2.372	3.245	10.3	20.4

80057 1999 JV_{71} 3 21.3 315°.68 4°.8/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.27	+12 23.9	2.204	3.012	12.6	18.6
2 21	12 23.54	+13 14.6	2.123	3.009	9.9	18.4
3 2	12 17.78	+14 8.1	2.066	3.007	7.1	18.2
3 12	12 10.51	+14 58.1	2.036	3.005	5.1	18.1
3 22	12 2.46	+15 38.4	2.033	3.003	5.3	18.1
4 1	11 54.50	+16 3.7	2.059	3.001	7.7	18.2
4 11	11 47.48	+16 11.1	2.110	2.999	10.6	18.4
4 21	11 42.05	+16 0.0	2.185	2.997	13.3	18.6

338393 2003 AG_{52} 3 21.3 68°.97 1°.3/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.88	− 5 43.3	2.236	2.997	13.9	20.5
2 21	12 23.17	− 5 42.0	2.149	3.004	11.2	20.3
3 2	12 17.49	− 5 27.4	2.083	3.012	7.9	20.1
3 12	12 10.36	− 5 1.4	2.044	3.020	4.3	19.9
3 22	12 2.47	− 4 27.5	2.033	3.028	1.3	19.7
4 1	11 54.66	− 3 50.1	2.051	3.036	3.9	19.9
4 11	11 47.75	− 3 14.3	2.097	3.044	7.4	20.2
4 21	11 42.36	− 2 44.4	2.168	3.052	10.7	20.4

378738 2008 RJ_{28} 3 21.3 170°.23 1°.3/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.27	− 5 49.1	2.150	2.910	14.5	22.1
2 21	12 24.41	− 5 45.4	2.056	2.911	11.6	21.9
3 2	12 18.44	− 5 27.4	1.984	2.912	8.3	21.7
3 12	12 10.87	− 4 57.2	1.938	2.913	4.5	21.5
3 22	12 2.43	− 4 18.2	1.919	2.914	1.3	21.2
4 1	11 54.02	− 3 35.5	1.930	2.915	4.1	21.4
4 11	11 46.53	− 2 54.5	1.969	2.915	7.9	21.7
4 21	11 40.65	− 2 20.1	2.033	2.915	11.3	21.9

175376 2005 TT_{71} 3 21.3 242°.90 2°.8/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.90	+ 7 21.3	2.779	3.570	10.7	21.1
2 21	12 22.10	+ 8 5.3	2.676	3.556	8.4	20.9
3 2	12 16.63	+ 8 55.0	2.599	3.542	5.8	20.7
3 12	12 9.92	+ 9 45.9	2.550	3.528	3.4	20.5
3 22	12 2.51	+10 33.3	2.530	3.513	3.2	20.5
4 1	11 55.07	+11 12.6	2.540	3.498	5.5	20.6
4 11	11 48.29	+11 40.3	2.579	3.482	8.3	20.7
4 21	11 42.71	+11 54.3	2.642	3.466	10.9	20.9

383785 2007 WQ 3 21.3 7°.95 2°.1/23.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.52	− 8 54.4	1.987	2.750	15.4	21.0
2 21	12 20.89	− 8 45.0	1.896	2.750	12.5	20.8
3 2	12 16.13	− 8 17.5	1.826	2.751	9.1	20.6
3 12	12 9.76	− 7 33.7	1.781	2.753	5.3	20.4
3 22	12 2.52	− 6 37.5	1.762	2.755	2.2	20.2
4 1	11 55.32	− 5 34.7	1.771	2.757	4.2	20.3
4 11	11 49.06	− 4 32.5	1.808	2.760	8.0	20.6
4 21	11 44.43	− 3 37.0	1.869	2.763	11.6	20.8

383648 2007 SU_{6} 3 21.3 263°.65 2°.5/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.48	+ 5 54.3	2.400	3.186	12.4	21.6
2 21	12 26.09	+ 6 22.6	2.285	3.161	9.8	21.3
3 2	12 19.62	+ 6 57.9	2.194	3.137	6.7	21.1
3 12	12 11.50	+ 7 35.9	2.131	3.111	3.6	20.9
3 22	12 2.39	+ 8 11.6	2.097	3.085	2.8	20.8
4 1	11 53.13	+ 8 39.9	2.093	3.059	5.8	20.9
4 11	11 44.61	+ 8 56.8	2.117	3.032	9.2	21.1
4 21	11 37.56	+ 8 59.8	2.166	3.005	12.5	21.2

203194 2001 CT_{37} 3 21.3 150°.83 16°.6/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 32.57	+30 22.0	1.214	2.045	19.5	19.9
2 21	12 29.90	+33 54.4	1.182	2.050	17.5	19.7
3 2	12 23.28	+37 10.7	1.171	2.055	16.6	19.7
3 12	12 13.55	+39 49.5	1.182	2.059	17.2	19.7
3 22	12 2.23	+41 35.6	1.213	2.062	18.9	19.9
4 1	11 51.30	+42 22.8	1.261	2.065	21.2	20.0
4 11	11 42.56	+42 14.3	1.325	2.068	23.4	20.2
4 21	11 37.07	+41 19.5	1.399	2.070	25.4	20.4

348976 2006 UJ_{116} 3 21.3 268°.04 2°.6/24.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.13	−12 26.9	2.415	3.147	13.8	21.1
2 21	12 20.28	−12 7.2	2.304	3.136	11.4	20.9
3 2	12 15.58	−11 29.2	2.215	3.126	8.5	20.7
3 12	12 9.48	−10 33.8	2.151	3.115	5.4	20.5
3 22	12 2.56	− 9 24.1	2.115	3.104	2.8	20.3
4 1	11 55.59	− 8 5.2	2.108	3.093	3.9	20.3
4 11	11 49.35	− 6 43.9	2.130	3.081	7.1	20.5
4 21	11 44.47	− 5 26.5	2.179	3.070	10.3	20.7

367183 2006 YC_{11} 3 21.3 146°.32 15°.9/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 39.96	−32 21.8	1.403	2.036	25.9	21.8
2 21	12 35.95	−34 36.2	1.326	2.045	23.8	21.6
3 2	12 27.81	−36 19.7	1.262	2.054	21.4	21.4
3 12	12 16.07	−37 21.3	1.214	2.061	18.9	21.3
3 22	12 2.02	−37 32.4	1.183	2.068	16.8	21.1
4 1	11 47.67	−36 50.6	1.173	2.075	15.9	21.1
4 11	11 35.21	−35 23.9	1.184	2.080	16.4	21.1
4 21	11 26.19	−33 27.2	1.215	2.084	18.2	21.3

66694 1999 TF_{72} 3 21.3 205°.23 0°.2/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.58	− 3 39.5	2.225	2.995	13.7	20.6
2 21	12 23.03	− 3 13.6	2.128	2.992	10.9	20.4
3 2	12 17.47	− 2 34.0	2.054	2.989	7.6	20.2
3 12	12 10.40	− 1 43.6	2.006	2.986	3.8	19.9
3 22	12 2.50	− 0 46.9	1.986	2.983	0.3	19.6
4 1	11 54.60	+ 0 10.2	1.996	2.979	4.3	20.0
4 11	11 47.55	+ 1 2.0	2.034	2.975	8.0	20.2
4 21	11 42.01	+ 1 43.9	2.097	2.971	11.4	20.4

291829 2006 LO_{2} 3 21.3 280°.51 3°.9/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.32	−11 54.3	1.672	2.426	18.2	21.5
2 21	12 24.71	−12 4.1	1.558	2.403	15.2	21.2
3 2	12 19.33	−11 51.4	1.464	2.380	11.6	20.9
3 12	12 11.62	−11 15.1	1.392	2.357	7.5	20.6
3 22	12 2.39	−10 17.2	1.345	2.333	4.1	20.4
4 1	11 52.81	− 9 3.2	1.325	2.310	5.6	20.4
4 11	11 44.22	− 7 42.4	1.331	2.286	10.0	20.6
4 21	11 37.70	− 6 24.6	1.361	2.262	14.6	20.8

358500 2007 RB_{151} 3 21.3 322°.51 0°.1/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.01	− 0 34.1	1.403	2.206	18.8	20.5
2 21	12 27.83	− 0 43.1	1.316	2.199	15.0	20.2
3 2	12 21.52	− 0 38.0	1.248	2.192	10.4	19.9
3 12	12 12.66	− 0 21.9	1.202	2.185	5.2	19.6
3 22	12 2.32	+ 0 0.3	1.182	2.179	0.5	19.3
4 1	11 51.92	+ 0 21.9	1.189	2.173	6.1	19.6
4 11	11 42.94	+ 0 36.3	1.219	2.167	11.5	19.9
4 21	11 36.45	+ 0 38.9	1.272	2.162	16.2	20.2

420598 2012 HA_{42} 3 21.3 339°.50 2°.7/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.68	− 9 27.0	1.541	2.319	18.5	20.9
2 21	12 21.76	− 9 24.7	1.449	2.312	15.2	20.7
3 2	12 17.17	− 8 59.4	1.377	2.306	11.1	20.4
3 12	12 10.45	− 8 12.2	1.327	2.300	6.6	20.1
3 22	12 2.49	− 7 7.5	1.302	2.295	2.8	19.9
4 1	11 54.49	− 5 52.8	1.303	2.290	5.2	20.0
4 11	11 47.67	− 4 37.9	1.330	2.286	9.8	20.3
4 21	11 42.94	− 3 31.6	1.379	2.283	14.2	20.5

312108 2007 TS_{159} 3 21.3 99°.20 0°.5/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 33.02	− 1 16.1	1.744	2.525	16.5	21.5
2 21	12 28.36	− 0 54.3	1.675	2.547	13.0	21.3
3 2	12 21.19	− 0 18.6	1.628	2.568	8.8	21.1
3 12	12 12.20	+ 0 26.4	1.607	2.589	4.3	20.9
3 22	12 2.37	+ 1 14.9	1.613	2.609	0.8	20.7
4 1	11 52.83	+ 2 0.1	1.648	2.629	5.3	21.0
4 11	11 44.64	+ 2 36.3	1.710	2.648	9.5	21.3
4 21	11 38.50	+ 2 59.4	1.796	2.666	13.2	21.6

138597 2000 QZ_{161} 3 21.3 113°.39 4°.8/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.24	−20 8.1	2.986	3.645	12.8	20.3
2 21	12 23.76	−20 31.4	2.896	3.665	11.0	20.2
3 2	12 17.66	−20 38.5	2.828	3.685	8.9	20.1
3 12	12 10.39	−20 28.8	2.784	3.704	6.7	20.0
3 22	12 2.52	−20 3.2	2.768	3.722	5.1	19.9
4 1	11 54.73	−19 24.2	2.781	3.740	4.9	19.9
4 11	11 47.66	−18 36.1	2.822	3.758	6.3	20.0
4 21	11 41.85	−17 43.6	2.891	3.775	8.3	20.2

229990 1999 YB_{15} 3 21.3 164°.05 3°.3/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 27.79	+ 8 1.5	2.475	3.269	11.8	20.9
2 21	12 23.67	+ 8 56.2	2.393	3.274	9.2	20.7
3 2	12 17.73	+ 9 56.4	2.336	3.279	6.3	20.5
3 12	12 10.46	+10 56.9	2.306	3.283	3.8	20.4
3 22	12 2.52	+11 51.8	2.306	3.286	3.8	20.4
4 1	11 54.67	+12 36.0	2.336	3.289	6.2	20.5
4 11	11 47.65	+13 5.9	2.393	3.291	9.1	20.7
4 21	11 42.04	+13 19.8	2.474	3.293	11.7	20.9

261394 2005 UF_{415} 3 21.3 158°.14 1°.1/20.1 16

2 11	12 28.47	+ 0 3.4	2.222	3.000	13.5	22.1
2 21	12 24.42	+ 0 40.9	2.135	3.006	10.6	21.9
3 2	12 18.36	+ 1 29.9	2.071	3.012	7.2	21.7
3 12	12 10.81	+ 2 26.1	2.034	3.017	3.4	21.5
3 22	12 2.49	+ 3 24.1	2.027	3.021	1.4	21.3
4 1	11 54.26	+ 4 18.2	2.049	3.025	4.9	21.6
4 11	11 46.94	+ 5 3.0	2.099	3.029	8.5	21.8
4 21	11 41.19	+ 5 35.0	2.174	3.032	11.7	22.0

140977 2001 VG_{122} 3 21.3 139°.24 1°.2/23.2 18

2 11	12 23.41	−10 33.9	2.714	3.447	12.4	20.0
2 21	12 20.12	− 9 35.0	2.617	3.455	10.0	19.8
3 2	12 15.25	− 8 18.8	2.544	3.463	7.2	19.7
3 12	12 9.23	− 6 48.4	2.498	3.470	4.0	19.5
3 22	12 2.63	− 5 8.4	2.483	3.477	1.3	19.3
4 1	11 56.09	− 3 24.9	2.499	3.484	3.3	19.4
4 11	11 50.27	− 1 44.7	2.546	3.490	6.4	19.6
4 21	11 45.65	− 0 13.4	2.620	3.496	9.3	19.8

212188 2005 GX_{94} 3 21.3 243°.12 1°.7/23.3 18

2 11	12 27.99	−10 5.2	2.361	3.096	14.0	21.4
2 21	12 24.24	− 9 30.5	2.237	3.075	11.5	21.2
3 2	12 18.42	− 8 36.5	2.135	3.053	8.4	21.0
3 12	12 10.96	− 7 24.8	2.059	3.030	4.9	20.7
3 22	12 2.48	− 5 59.1	2.013	3.006	1.8	20.4
4 1	11 53.83	− 4 25.5	1.997	2.981	4.0	20.5
4 11	11 45.89	− 2 51.7	2.010	2.955	7.8	20.7
4 21	11 39.40	− 1 24.9	2.051	2.929	11.5	20.9

364169 2006 JA_{38} 3 21.3 203°.72 4°.6/16.8 17

2 11	12 30.45	+ 8 42.0	1.890	2.695	14.5	21.5
2 21	12 26.47	+ 9 47.6	1.805	2.691	11.4	21.2
3 2	12 20.04	+11 1.0	1.743	2.687	8.0	21.0
3 12	12 11.74	+12 14.9	1.707	2.682	5.1	20.8
3 22	12 2.43	+13 20.9	1.699	2.677	5.2	20.8
4 1	11 53.16	+14 11.6	1.720	2.671	8.2	21.0
4 11	11 44.99	+14 42.0	1.766	2.665	11.7	21.2
4 21	11 38.71	+14 50.4	1.834	2.658	15.0	21.4

4929 Yamatai 3 21.3 323°.91 1°.8/19.9 18

2 11	12 27.07	− 0 6.9	1.307	2.124	19.1	17.0
2 21	12 24.86	+ 0 30.1	1.226	2.119	15.2	16.7
3 2	12 19.52	+ 1 26.4	1.164	2.114	10.4	16.4
3 12	12 11.69	+ 2 36.0	1.125	2.109	5.0	16.1
3 22	12 2.43	+ 3 49.8	1.110	2.105	2.1	15.9
4 1	11 53.19	+ 4 57.3	1.121	2.101	7.3	16.2
4 11	11 45.41	+ 5 48.9	1.156	2.098	12.6	16.5
4 21	11 40.12	+ 6 19.0	1.211	2.094	17.3	16.7

224639 2005 YA_{174} 3 21.3 139°.53 5°.2/15.0 18

2 11	12 28.67	+12 55.2	2.280	3.084	12.4	20.7
2 21	12 24.50	+14 13.1	2.212	3.095	9.7	20.5
3 2	12 18.35	+15 33.7	2.168	3.106	7.1	20.4
3 12	12 10.78	+16 49.8	2.152	3.116	5.3	20.3
3 22	12 2.52	+17 54.5	2.165	3.126	5.8	20.3
4 1	11 54.42	+18 42.0	2.207	3.135	8.0	20.5
4 11	11 47.28	+19 9.3	2.274	3.144	10.7	20.6
4 21	11 41.71	+19 16.1	2.364	3.152	13.1	20.8

104051 2000 ET_{14} 3 21.3 41°.61 0°.1/21.4 18

2 11	12 26.41	− 2 48.4	1.824	2.610	15.7	20.1
2 21	12 23.22	− 2 32.2	1.746	2.620	12.4	19.9
3 2	12 17.74	− 2 1.6	1.690	2.630	8.6	19.7
3 12	12 10.57	− 1 19.9	1.659	2.640	4.2	19.5
3 22	12 2.54	− 0 32.5	1.655	2.651	0.3	19.2
4 1	11 54.64	+ 0 14.4	1.678	2.662	4.8	19.6
4 11	11 47.87	+ 0 54.5	1.729	2.674	8.9	19.8
4 21	11 42.90	+ 1 23.5	1.803	2.685	12.6	20.1

459206 2012 DH_{74} 3 21.3 6°.06 0°.2/21.4 18

2 11	12 35.38	+ 0 18.3	1.601	2.388	17.5	20.4
2 21	12 30.79	− 0 10.7	1.514	2.388	14.0	20.2
3 2	12 23.26	− 0 29.8	1.449	2.388	9.7	19.9
3 12	12 13.42	− 0 41.3	1.408	2.389	4.9	19.6
3 22	12 2.31	− 0 48.4	1.393	2.390	0.4	19.3
4 1	11 51.26	− 0 55.0	1.407	2.391	5.5	19.7
4 11	11 41.58	− 1 5.5	1.448	2.393	10.3	20.0
4 21	11 34.24	− 1 23.1	1.511	2.394	14.5	20.2

269767 1999 TK_{59} 3 21.3 138°.34 0°.8/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 25.72	− 7 23.6	2.375	3.127	13.5	21.1
2 21	12 22.14	− 6 39.3	2.286	3.138	10.8	21.0
3 2	12 16.74	− 5 38.8	2.220	3.148	7.6	20.8
3 12	12 10.00	− 4 25.3	2.180	3.157	4.0	20.6
3 22	12 2.59	− 3 3.7	2.170	3.166	0.8	20.3
4 1	11 55.27	− 1 40.3	2.191	3.175	3.8	20.6
4 11	11 48.78	− 0 21.7	2.240	3.183	7.3	20.8
4 21	11 43.71	+ 0 46.8	2.316	3.191	10.4	21.0

346169 2007 VD_{320} 3 21.3 130°.13 1°.7/23.4 18

2 11	12 24.44	− 9 28.4	2.458	3.201	13.3	21.3
2 21	12 21.12	− 9 2.3	2.365	3.208	10.8	21.1
3 2	12 16.04	− 8 20.0	2.295	3.214	7.8	20.9
3 12	12 9.66	− 7 23.7	2.250	3.221	4.5	20.7
3 22	12 2.61	− 6 17.4	2.234	3.227	1.8	20.5
4 1	11 55.62	− 5 6.2	2.249	3.234	3.6	20.6
4 11	11 49.42	− 3 56.3	2.292	3.240	6.8	20.9
4 21	11 44.56	− 2 52.9	2.361	3.245	9.9	21.1

403857 2011 UL_{341} 3 21.3 264°.65 0°.9/22.0 17

2 11	12 29.86	− 5 10.8	1.619	2.399	17.6	22.7
2 21	12 26.74	− 4 59.2	1.511	2.379	14.4	22.4
3 2	12 20.75	− 4 28.2	1.423	2.359	10.2	22.1
3 12	12 12.34	− 3 39.5	1.359	2.338	5.4	21.8
3 22	12 2.39	− 2 38.1	1.320	2.316	0.9	21.4
4 1	11 52.15	− 1 31.4	1.309	2.294	5.6	21.6
4 11	11 42.97	− 0 28.6	1.324	2.272	10.8	21.9
4 21	11 35.95	+ 0 22.7	1.362	2.249	15.5	22.1

109677 2001 RP_{25} 3 21.3 133°.04 0°.9/20.4 18

2 11	12 28.35	− 1 23.8	2.136	2.913	14.0	21.0
2 21	12 24.36	− 0 39.5	2.055	2.925	11.0	20.8
3 2	12 18.33	+ 0 17.9	1.997	2.937	7.4	20.6
3 12	12 10.80	+ 1 24.0	1.966	2.949	3.5	20.4
3 22	12 2.53	+ 2 32.8	1.964	2.960	1.1	20.2
4 1	11 54.40	+ 3 37.8	1.992	2.970	4.8	20.5
4 11	11 47.24	+ 4 33.2	2.048	2.980	8.5	20.7
4 21	11 41.70	+ 5 15.0	2.129	2.989	11.8	20.9

37374 2001 VA_{37} 3 21.3 59°.10 1°.6/19.5 18

2 11	12 26.14	+ 2 8.1	2.136	2.928	13.5	18.8
2 21	12 22.57	+ 2 43.0	2.066	2.946	10.5	18.6
3 2	12 17.05	+ 3 27.4	2.019	2.963	7.0	18.4
3 12	12 10.15	+ 4 16.5	1.998	2.981	3.4	18.2
3 22	12 2.59	+ 5 5.0	2.006	2.999	1.9	18.1
4 1	11 55.23	+ 5 47.4	2.042	3.017	5.1	18.4
4 11	11 48.83	+ 6 19.1	2.106	3.034	8.5	18.6
4 21	11 43.99	+ 6 37.7	2.194	3.052	11.6	18.8

102134 1999 RD_{181} 3 21.3 247°.76 1°.0/20.4 17

2 11	12 29.92	− 0 27.5	1.876	2.661	15.4	20.8
2 21	12 26.24	+ 0 1.8	1.771	2.646	12.2	20.6
3 2	12 20.05	+ 0 45.4	1.688	2.630	8.4	20.3
3 12	12 11.86	+ 1 39.4	1.631	2.613	4.1	20.0
3 22	12 2.45	+ 2 38.1	1.601	2.596	1.3	19.8
4 1	11 52.90	+ 3 34.3	1.600	2.579	5.7	20.0
4 11	11 44.33	+ 4 20.9	1.626	2.561	10.1	20.2
4 21	11 37.62	+ 4 53.2	1.676	2.543	14.1	20.5

195363 2002 FF_{24} 3 21.3 289°.23 0°.4/20.9 17

2 11	12 31.20	+ 0 23.9	1.927	2.710	15.1	19.9
2 21	12 27.20	+ 0 18.7	1.820	2.692	12.1	19.7
3 2	12 20.70	+ 0 23.6	1.734	2.674	8.4	19.4
3 12	12 12.18	+ 0 35.8	1.673	2.655	4.1	19.1
3 22	12 2.43	+ 0 51.5	1.641	2.637	0.6	18.8
4 1	11 52.51	+ 1 6.0	1.637	2.619	5.2	19.1
4 11	11 43.54	+ 1 14.5	1.660	2.601	9.6	19.3
4 21	11 36.42	+ 1 13.5	1.708	2.582	13.5	19.5

94577 2001 VU_{45} 3 21.3 107°.06 7°.8/14.5 18 R

2 11	12 34.61	+16 21.1	1.632	2.446	16.0	19.3
2 21	12 29.84	+17 48.1	1.580	2.465	12.8	19.1
3 2	12 22.30	+19 14.6	1.550	2.484	9.7	19.0
3 12	12 12.78	+20 29.9	1.546	2.502	7.9	18.9
3 22	12 2.40	+21 24.6	1.568	2.520	8.5	19.0
4 1	11 52.44	+21 52.3	1.617	2.537	11.0	19.2
4 11	11 44.04	+21 51.6	1.689	2.554	14.0	19.4
4 21	11 37.95	+21 24.8	1.781	2.569	16.7	19.6

301985 2000 KH_{66} 3 21.3 217°.08 3°.3/17.9 17

2 11	12 30.22	+ 4 33.4	1.947	2.742	14.5	21.8
2 21	12 26.29	+ 5 39.0	1.851	2.734	11.4	21.5
3 2	12 19.96	+ 6 56.8	1.779	2.724	7.8	21.3
3 12	12 11.75	+ 8 20.2	1.733	2.713	4.3	21.0
3 22	12 2.47	+ 9 41.1	1.716	2.702	3.8	21.0
4 1	11 53.13	+10 51.3	1.727	2.690	7.2	21.2
4 11	11 44.79	+11 44.2	1.766	2.677	11.0	21.4
4 21	11 38.27	+12 16.5	1.828	2.663	14.6	21.6

35118 1992 EV_5 3 21.3 312°.58 4°.3/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 25.45	+ 4 33.0	1.373	2.200	17.8	18.1
2 21	12 23.45	+ 5 44.0	1.292	2.192	14.0	17.9
3 2	12 18.50	+ 7 11.3	1.230	2.183	9.5	17.6
3 12	12 11.18	+ 8 46.1	1.193	2.175	5.4	17.3
3 22	12 2.51	+10 17.2	1.181	2.167	5.0	17.3
4 1	11 53.83	+11 32.7	1.194	2.160	9.1	17.5
4 11	11 46.51	+12 24.0	1.230	2.153	13.8	17.7
4 21	11 41.54	+12 47.4	1.287	2.146	18.0	17.9

174590 2003 QD_{46} 3 21.3 201°.68 0°.6/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.07	− 4 7.8	1.905	2.674	15.7	21.3
2 21	12 26.98	− 3 55.9	1.809	2.671	12.6	21.1
3 2	12 20.45	− 3 28.7	1.734	2.668	8.9	20.8
3 12	12 11.99	− 2 48.8	1.684	2.663	4.6	20.6
3 22	12 2.45	− 2 0.7	1.662	2.659	0.6	20.2
4 1	11 52.89	− 1 10.4	1.670	2.653	4.8	20.5
4 11	11 44.37	− 0 24.7	1.704	2.648	9.1	20.8
4 21	11 37.73	+ 0 11.2	1.763	2.641	13.0	21.0

351578 2005 UB_{317} 3 21.3 176°.24 2°.6/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.21	−10 26.2	2.832	3.552	12.2	21.2
2 21	12 23.87	−10 42.4	2.729	3.554	10.0	21.1
3 2	12 17.84	−10 46.3	2.649	3.555	7.5	20.9
3 12	12 10.55	−10 38.3	2.595	3.556	4.8	20.7
3 22	12 2.57	−10 20.0	2.570	3.556	2.7	20.6
4 1	11 54.58	− 9 54.3	2.575	3.556	3.6	20.7
4 11	11 47.27	− 9 24.9	2.610	3.556	6.2	20.8
4 21	11 41.20	− 8 55.9	2.672	3.556	8.9	21.0

497512 2006 BU_{75} 3 21.3 82°.96 3°.2/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.80	+ 5 20.3	1.902	2.705	14.5	21.8
2 21	12 24.15	+ 6 15.7	1.833	2.720	11.2	21.6
3 2	12 18.27	+ 7 20.0	1.788	2.735	7.6	21.4
3 12	12 10.80	+ 8 26.6	1.769	2.749	4.1	21.2
3 22	12 2.56	+ 9 28.3	1.777	2.764	3.6	21.2
4 1	11 54.53	+10 18.3	1.814	2.778	6.7	21.4
4 11	11 47.63	+10 52.0	1.878	2.793	10.2	21.7
4 21	11 42.50	+11 7.3	1.964	2.807	13.4	21.9

208499 Shokasonjuku 3 21.3 100°.44 5°.2/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.38	+14 29.8	2.504	3.309	11.4	20.2
2 21	12 22.49	+15 45.9	2.444	3.327	8.9	20.1
3 2	12 16.87	+17 2.8	2.409	3.344	6.6	19.9
3 12	12 10.03	+18 14.0	2.402	3.362	5.2	19.9
3 22	12 2.62	+19 13.3	2.424	3.379	5.7	19.9
4 1	11 55.39	+19 56.1	2.475	3.395	7.7	20.1
4 11	11 49.04	+20 20.1	2.551	3.412	10.0	20.2
4 21	11 44.07	+20 25.0	2.650	3.428	12.1	20.4

284355 2006 ST_{62} 3 21.3 197°.77 0°.3/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.43	− 4 43.6	2.840	3.595	11.4	21.6
2 21	12 20.89	− 4 10.7	2.737	3.592	9.1	21.5
3 2	12 15.79	− 3 25.9	2.658	3.589	6.3	21.3
3 12	12 9.54	− 2 31.7	2.607	3.585	3.2	21.1
3 22	12 2.66	− 1 31.9	2.585	3.581	0.3	20.8
4 1	11 55.78	− 0 31.0	2.594	3.577	3.4	21.1
4 11	11 49.54	+ 0 26.0	2.633	3.572	6.5	21.3
4 21	11 44.45	+ 1 15.3	2.698	3.567	9.3	21.4

205718 2002 AL_{86} 3 21.3 99°.88 1°.7/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.46	− 0 35.8	1.571	2.369	17.3	21.0
2 21	12 25.93	+ 0 20.3	1.502	2.384	13.5	20.8
3 2	12 19.75	+ 1 33.2	1.454	2.400	9.1	20.5
3 12	12 11.60	+ 2 56.3	1.431	2.415	4.3	20.3
3 22	12 2.51	+ 4 20.7	1.435	2.430	2.1	20.2
4 1	11 53.65	+ 5 37.1	1.467	2.444	6.4	20.5
4 11	11 46.18	+ 6 37.8	1.525	2.458	10.8	20.8
4 21	11 40.84	+ 7 18.4	1.606	2.472	14.7	21.0

323935 2005 TM_{164} 3 21.3 267°.96 3°.3/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 33.65	+ 7 26.2	1.970	2.764	14.4	22.1
2 21	12 29.11	+ 7 49.3	1.862	2.742	11.5	21.8
3 2	12 22.01	+ 8 18.9	1.777	2.720	7.9	21.6
3 12	12 12.84	+ 8 49.9	1.718	2.697	4.5	21.3
3 22	12 2.41	+ 9 16.1	1.687	2.674	3.7	21.2
4 1	11 51.80	+ 9 31.9	1.685	2.650	7.0	21.4
4 11	11 42.17	+ 9 32.9	1.710	2.626	11.0	21.5
4 21	11 34.41	+ 9 17.2	1.759	2.602	14.7	21.7

177342 2003 YX_{127} 3 21.3 202°.71 2°.4/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.94	+ 4 29.0	2.222	3.005	13.3	20.6
2 21	12 27.26	+ 5 5.6	2.125	3.001	10.5	20.4
3 2	12 20.41	+ 5 50.7	2.053	2.995	7.1	20.2
3 12	12 11.91	+ 6 39.6	2.007	2.988	3.7	19.9
3 22	12 2.49	+ 7 26.6	1.991	2.981	2.7	19.9
4 1	11 53.07	+ 8 6.0	2.005	2.973	5.8	20.0
4 11	11 44.57	+ 8 33.3	2.047	2.964	9.4	20.2
4 21	11 37.71	+ 8 46.0	2.114	2.955	12.6	20.4

126372 2002 AS_{188} 3 21.3 274°.44 7°.6/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 28.97	−21 16.1	2.085	2.765	17.1	19.9
2 21	12 25.58	−22 9.4	1.967	2.746	15.1	19.7
3 2	12 19.72	−22 42.4	1.868	2.727	12.6	19.5
3 12	12 11.77	−22 51.7	1.790	2.707	10.0	19.3
3 22	12 2.48	−22 35.5	1.737	2.687	8.0	19.1
4 1	11 52.88	−21 55.1	1.711	2.667	7.7	19.0
4 11	11 44.10	−20 55.8	1.710	2.647	9.6	19.1
4 21	11 37.10	−19 45.5	1.734	2.627	12.4	19.2

172661 2003 YE_{96} 3 21.3 143°.42 1°.5/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.05	+ 0 20.3	1.813	2.605	15.6	20.7
2 21	12 25.37	+ 1 2.8	1.732	2.611	12.2	20.5
3 2	12 19.28	+ 1 59.2	1.672	2.616	8.3	20.3
3 12	12 11.38	+ 3 4.2	1.638	2.622	4.0	20.0
3 22	12 2.54	+ 4 11.0	1.632	2.627	1.8	19.9
4 1	11 53.80	+ 5 11.8	1.655	2.631	5.8	20.2
4 11	11 46.21	+ 6 0.2	1.704	2.636	10.0	20.4
4 21	11 40.52	+ 6 32.3	1.776	2.639	13.7	20.6

61522 2000 QL_{59} 3 21.3 142°.63 2°.7/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.30	+ 5 39.6	2.193	2.984	13.3	19.9
2 21	12 25.84	+ 6 18.9	2.114	2.993	10.3	19.7
3 2	12 19.33	+ 7 5.3	2.058	3.001	7.0	19.5
3 12	12 11.31	+ 7 53.7	2.029	3.009	3.8	19.3
3 22	12 2.55	+ 8 38.4	2.029	3.017	3.1	19.2
4 1	11 53.92	+ 9 14.1	2.059	3.024	5.9	19.4
4 11	11 46.28	+ 9 36.7	2.116	3.031	9.3	19.7
4 21	11 40.27	+ 9 44.4	2.198	3.037	12.3	19.9

201064 2002 ED_{92} 3 21.3 330°.36 2°.0/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.79	− 4 43.1	1.737	2.512	16.8	19.9
2 21	12 27.08	− 5 14.2	1.641	2.504	13.7	19.7
3 2	12 20.71	− 5 31.9	1.566	2.497	9.8	19.4
3 12	12 12.21	− 5 37.3	1.515	2.491	5.5	19.1
3 22	12 2.47	− 5 32.4	1.490	2.485	2.0	18.9
4 1	11 52.64	− 5 21.2	1.493	2.479	4.9	19.1
4 11	11 43.93	− 5 9.1	1.523	2.473	9.4	19.3
4 21	11 37.26	− 5 1.0	1.576	2.468	13.5	19.5

434541 2005 TA_9 3 21.3 251°.40 4°.2/16.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.91	+13 22.4	2.754	3.547	10.8	21.9
2 21	12 25.27	+13 56.9	2.655	3.531	8.6	21.7
3 2	12 18.84	+14 32.7	2.580	3.516	6.2	21.6
3 12	12 11.07	+15 5.0	2.533	3.500	4.4	21.4
3 22	12 2.56	+15 29.0	2.516	3.484	4.6	21.4
4 1	11 54.05	+15 40.9	2.529	3.468	6.6	21.5
4 11	11 46.26	+15 38.3	2.569	3.452	9.1	21.6
4 21	11 39.80	+15 20.7	2.633	3.435	11.6	21.8

181065 2005 QY_5 3 21.3 215°.27 1°.0/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.01	− 5 44.1	2.779	3.528	11.8	21.1
2 21	12 22.19	− 5 35.9	2.673	3.522	9.5	20.9
3 2	12 16.73	− 5 16.3	2.591	3.517	6.7	20.7
3 12	12 10.03	− 4 47.0	2.536	3.511	3.7	20.5
3 22	12 2.65	− 4 11.0	2.510	3.505	1.0	20.3
4 1	11 55.25	− 3 31.8	2.515	3.499	3.3	20.4
4 11	11 48.50	− 2 53.8	2.548	3.492	6.5	20.6
4 21	11 42.96	− 2 20.8	2.608	3.485	9.3	20.8

173874 2001 UO_{10} 3 21.3 175°.06 8°.4/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.91	+29 19.6	2.700	3.488	11.1	20.2
2 21	12 25.36	+30 38.8	2.642	3.489	9.6	20.1
3 2	12 18.90	+31 49.9	2.609	3.490	8.6	20.0
3 12	12 11.07	+32 45.8	2.602	3.491	8.4	20.0
3 22	12 2.58	+33 21.0	2.621	3.492	9.2	20.0
4 1	11 54.26	+33 32.4	2.665	3.492	10.5	20.1
4 11	11 46.88	+33 19.4	2.731	3.493	12.1	20.2
4 21	11 41.02	+32 44.2	2.817	3.492	13.6	20.3

60955 2000 JG_{65} 3 21.3 274°.51 2°.3/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.07	− 0 2.7	1.508	2.317	17.4	19.2
2 21	12 23.79	+ 0 59.3	1.413	2.302	13.8	19.0
3 2	12 18.70	+ 2 21.8	1.339	2.288	9.4	18.7
3 12	12 11.32	+ 3 58.6	1.289	2.273	4.6	18.3
3 22	12 2.55	+ 5 39.9	1.265	2.258	2.8	18.2
4 1	11 53.65	+ 7 14.4	1.268	2.243	7.4	18.4
4 11	11 45.93	+ 8 31.6	1.296	2.228	12.4	18.6
4 21	11 40.40	+ 9 25.1	1.345	2.213	16.9	18.9

338879 2004 BR_{79} 3 21.3 52°.08 1°.1/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.26	− 1 39.0	2.089	2.876	13.9	20.3
2 21	12 20.52	− 0 42.4	2.004	2.881	10.9	20.1
3 2	12 15.80	+ 0 28.8	1.943	2.886	7.4	19.9
3 12	12 9.63	+ 1 49.5	1.908	2.891	3.5	19.6
3 22	12 2.69	+ 3 13.4	1.902	2.897	1.3	19.5
4 1	11 55.84	+ 4 33.0	1.925	2.902	5.0	19.8
4 11	11 49.89	+ 5 41.6	1.975	2.908	8.7	20.0
4 21	11 45.47	+ 6 34.9	2.049	2.913	12.1	20.2

375414 2008 SR_{285} 3 21.3 201°.90 1°.4/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 26.90	− 7 17.5	2.392	3.141	13.4	22.2
2 21	12 23.19	− 7 1.7	2.290	3.138	10.9	22.0
3 2	12 17.57	− 6 31.2	2.210	3.135	7.8	21.8
3 12	12 10.50	− 5 47.9	2.157	3.131	4.3	21.5
3 22	12 2.63	− 4 55.3	2.132	3.126	1.4	21.3
4 1	11 54.74	− 3 58.3	2.137	3.122	3.8	21.5
4 11	11 47.64	− 3 2.7	2.170	3.116	7.3	21.7
4 21	11 41.96	− 2 13.4	2.230	3.111	10.5	21.9

59815 1999 RQ_{19} 3 21.3 2°.14 0°.7/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.56	− 3 12.1	2.298	3.066	13.4	18.8
2 21	12 23.73	− 3 16.6	2.204	3.065	10.7	18.6
3 2	12 17.94	− 3 10.3	2.132	3.065	7.5	18.4
3 12	12 10.68	− 2 55.0	2.087	3.065	3.9	18.2
3 22	12 2.62	− 2 33.9	2.070	3.066	0.7	17.9
4 1	11 54.58	− 2 10.9	2.082	3.066	3.9	18.2
4 11	11 47.39	− 1 50.3	2.122	3.067	7.5	18.4
4 21	11 41.68	− 1 35.7	2.188	3.068	10.8	18.6

290904 2005 WU_{99} 3 21.3 332°.36 7°.3/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.77	+21 42.9	2.335	3.144	12.0	20.5
2 21	12 23.16	+22 51.1	2.263	3.139	9.9	20.3
3 2	12 17.55	+23 55.7	2.215	3.134	8.1	20.2
3 12	12 10.47	+24 49.4	2.193	3.129	7.3	20.1
3 22	12 2.64	+25 25.9	2.198	3.124	8.1	20.1
4 1	11 54.92	+25 40.9	2.229	3.120	9.9	20.3
4 11	11 48.15	+25 32.6	2.284	3.116	12.0	20.4
4 21	11 42.93	+25 2.3	2.359	3.112	14.1	20.5

417811 2007 EB_{206} 3 21.3 143°.45 1°.8/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.15	+ 1 46.0	2.084	2.872	13.9	21.8
2 21	12 24.33	+ 2 28.4	2.001	2.878	10.9	21.6
3 2	12 18.40	+ 3 21.7	1.941	2.885	7.3	21.4
3 12	12 10.91	+ 4 21.2	1.908	2.890	3.6	21.1
3 22	12 2.62	+ 5 20.6	1.903	2.896	2.1	21.0
4 1	11 54.44	+ 6 13.8	1.928	2.901	5.5	21.3
4 11	11 47.23	+ 6 55.4	1.980	2.906	9.1	21.5
4 21	11 41.67	+ 7 22.2	2.056	2.911	12.4	21.7

505181 2012 TU_{101} 3 21.3 271°.46 0°.4/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.43	− 0 54.4	2.169	2.949	13.7	21.7
2 21	12 23.83	− 0 39.9	2.069	2.939	10.9	21.5
3 2	12 18.15	− 0 14.1	1.991	2.930	7.5	21.3
3 12	12 10.84	+ 0 20.1	1.939	2.921	3.7	21.0
3 22	12 2.63	+ 0 58.3	1.915	2.911	0.6	20.7
4 1	11 54.37	+ 1 35.4	1.920	2.902	4.6	21.0
4 11	11 46.96	+ 2 6.3	1.953	2.892	8.5	21.2
4 21	11 41.12	+ 2 27.2	2.011	2.883	11.9	21.4

406362 2007 RD_{202} 3 21.3 149°.27 0°.3/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.33	− 4 2.4	1.957	2.724	15.5	22.4
2 21	12 26.98	− 3 39.5	1.872	2.733	12.3	22.2
3 2	12 20.30	− 3 1.3	1.808	2.742	8.5	22.0
3 12	12 11.88	− 2 11.1	1.771	2.750	4.3	21.7
3 22	12 2.56	− 1 14.0	1.761	2.758	0.4	21.4
4 1	11 53.34	− 0 16.5	1.782	2.765	4.6	21.8
4 11	11 45.22	+ 0 34.8	1.830	2.771	8.8	22.0
4 21	11 38.93	+ 1 15.2	1.903	2.776	12.4	22.3

5791 Comello 3 21.3 89°.98 1°.0/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.78	− 0 31.0	2.095	2.881	13.9	17.5
2 21	12 22.51	+ 0 4.0	2.008	2.883	11.0	17.3
3 2	12 17.18	+ 0 51.4	1.943	2.886	7.4	17.1
3 12	12 10.33	+ 1 47.2	1.905	2.888	3.6	16.8
3 22	12 2.67	+ 2 45.6	1.895	2.891	1.2	16.7
4 1	11 55.08	+ 3 40.7	1.914	2.893	4.9	16.9
4 11	11 48.41	+ 4 26.6	1.961	2.896	8.7	17.2
4 21	11 43.31	+ 4 59.5	2.032	2.898	12.0	17.4

513026 2017 VP_{3} 3 21.3 194°.50 5°.2/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.66	−19 44.8	2.777	3.449	13.4	21.2
2 21	12 22.85	−20 13.6	2.671	3.447	11.6	21.0
3 2	12 17.28	−20 25.8	2.585	3.446	9.4	20.9
3 12	12 10.36	−20 20.2	2.522	3.444	7.2	20.7
3 22	12 2.67	−19 57.3	2.487	3.443	5.5	20.6
4 1	11 54.93	−19 19.3	2.480	3.441	5.4	20.6
4 11	11 47.88	−18 30.7	2.501	3.439	6.9	20.7
4 21	11 42.11	−17 36.7	2.548	3.436	9.1	20.8

106368 2000 VZ_{9} 3 21.3 69°.65 2°.4/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.36	+ 2 48.7	1.446	2.255	18.0	19.7
2 21	12 27.64	+ 3 22.1	1.382	2.270	14.1	19.5
3 2	12 21.04	+ 4 8.3	1.337	2.285	9.5	19.3
3 12	12 12.30	+ 5 0.6	1.317	2.300	4.7	19.0
3 22	12 2.53	+ 5 51.0	1.323	2.316	2.8	18.9
4 1	11 53.08	+ 6 31.6	1.355	2.331	7.0	19.2
4 11	11 45.17	+ 6 56.5	1.413	2.346	11.5	19.5
4 21	11 39.61	+ 7 3.0	1.492	2.361	15.5	19.8

520982 2015 AN_{285} 3 21.3 332°.04 5°.3/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 29.45	+11 5.3	1.655	2.473	15.7	20.9
2 21	12 26.08	+11 44.0	1.572	2.465	12.4	20.7
3 2	12 20.01	+12 27.3	1.511	2.457	8.8	20.4
3 12	12 11.85	+13 7.7	1.475	2.449	5.8	20.2
3 22	12 2.56	+13 37.4	1.464	2.442	5.8	20.2
4 1	11 53.33	+13 49.9	1.480	2.436	8.8	20.4
4 11	11 45.35	+13 41.6	1.521	2.430	12.6	20.6
4 21	11 39.49	+13 12.0	1.583	2.424	16.1	20.8

468772 2011 SD_{226} 3 21.3 260°.51 4°.8/27.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.24	−20 39.0	2.600	3.278	14.1	21.8
2 21	12 20.35	−20 28.6	2.483	3.266	12.2	21.6
3 2	12 15.67	−19 56.9	2.384	3.253	9.8	21.4
3 12	12 9.59	−19 3.3	2.310	3.240	7.3	21.2
3 22	12 2.73	−17 49.5	2.262	3.227	5.2	21.0
4 1	11 55.80	−16 19.3	2.243	3.214	5.0	21.0
4 11	11 49.57	−14 39.4	2.253	3.201	6.9	21.1
4 21	11 44.65	−12 57.2	2.291	3.188	9.6	21.2

52981 1998 UX_{15} 3 21.3 74°.44 1°.3/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.64	+ 0 19.5	1.649	2.445	16.7	18.9
2 21	12 25.99	+ 0 47.4	1.577	2.458	13.1	18.7
3 2	12 19.77	+ 1 29.0	1.527	2.471	8.9	18.5
3 12	12 11.65	+ 2 19.0	1.501	2.484	4.2	18.2
3 22	12 2.59	+ 3 10.8	1.502	2.497	1.5	18.1
4 1	11 53.74	+ 3 57.3	1.531	2.510	5.8	18.4
4 11	11 46.20	+ 4 32.2	1.585	2.523	10.2	18.7
4 21	11 40.71	+ 4 51.9	1.663	2.535	14.0	18.9

121428 1999 TY_{162} 3 21.3 123°.30 0°.5/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.22	− 2 17.5	2.104	2.883	14.1	20.4
2 21	12 22.82	− 1 39.5	2.018	2.889	11.1	20.2
3 2	12 17.38	− 0 47.6	1.956	2.895	7.6	20.0
3 12	12 10.42	+ 0 14.1	1.919	2.901	3.7	19.8
3 22	12 2.68	+ 1 20.0	1.911	2.907	0.7	19.5
4 1	11 55.03	+ 2 23.8	1.932	2.913	4.6	19.9
4 11	11 48.31	+ 3 19.1	1.981	2.918	8.5	20.1
4 21	11 43.17	+ 4 1.8	2.055	2.924	11.8	20.3

383776 2007 VJ_{303} 3 21.3 62°.48 0°.1/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.52	− 6 44.5	2.087	2.855	14.6	20.9
2 21	12 20.59	− 5 26.0	2.016	2.879	11.5	20.7
3 2	12 15.76	− 3 49.0	1.967	2.902	7.9	20.5
3 12	12 9.57	− 1 58.8	1.945	2.926	3.9	20.3
3 22	12 2.75	− 0 3.1	1.953	2.949	0.3	20.1
4 1	11 56.14	+ 1 49.5	1.991	2.973	4.4	20.4
4 11	11 50.48	+ 3 31.0	2.058	2.996	8.1	20.7
4 21	11 46.35	+ 4 55.9	2.151	3.020	11.4	21.0

199679 2006 HN_{8} 3 21.3 217°.12 1°.5/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.13	− 9 30.4	2.201	2.952	14.4	20.8
2 21	12 21.21	− 8 51.5	2.101	2.949	11.7	20.6
3 2	12 16.32	− 7 53.4	2.022	2.946	8.4	20.4
3 12	12 9.94	− 6 38.5	1.969	2.942	4.8	20.1
3 22	12 2.72	− 5 11.4	1.944	2.939	1.6	19.9
4 1	11 55.51	− 3 39.2	1.949	2.935	3.9	20.1
4 11	11 49.13	− 2 9.4	1.983	2.931	7.7	20.3
4 21	11 44.23	− 0 48.8	2.042	2.927	11.2	20.5

313449 2002 RN_{191} 3 21.3 251°.24 0°.5/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.01	− 1 25.9	1.942	2.721	15.1	21.7
2 21	12 26.26	− 1 3.6	1.834	2.705	12.1	21.4
3 2	12 20.07	− 0 27.1	1.748	2.687	8.4	21.1
3 12	12 11.92	+ 0 20.3	1.688	2.670	4.1	20.8
3 22	12 2.57	+ 1 13.3	1.655	2.651	0.8	20.5
4 1	11 53.06	+ 2 5.6	1.652	2.633	5.2	20.8
4 11	11 44.47	+ 2 50.4	1.675	2.613	9.7	21.0
4 21	11 37.68	+ 3 22.8	1.723	2.593	13.7	21.2

173866 2001 TY_{206} 3 21.3 122°.20 5°.0/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.71	+12 50.7	2.366	3.175	11.9	20.4
2 21	12 22.19	+14 0.7	2.293	3.179	9.3	20.2
3 2	12 16.82	+15 13.5	2.244	3.184	6.8	20.1
3 12	12 10.11	+16 22.4	2.223	3.188	5.1	20.0
3 22	12 2.72	+17 21.0	2.230	3.192	5.5	20.0
4 1	11 55.43	+18 4.0	2.265	3.196	7.7	20.1
4 11	11 49.01	+18 28.3	2.326	3.200	10.3	20.3
4 21	11 44.03	+18 33.3	2.409	3.204	12.7	20.5

300936 2008 CE_{129} 3 21.3 139°.40 2°.6/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.28	−10 14.5	2.538	3.271	13.2	21.0
2 21	12 22.59	−10 23.0	2.440	3.273	10.8	20.8
3 2	12 17.10	−10 17.5	2.363	3.274	8.0	20.6
3 12	12 10.27	− 9 58.7	2.312	3.276	5.0	20.4
3 22	12 2.71	− 9 28.7	2.289	3.277	2.7	20.3
4 1	11 55.15	− 8 51.3	2.296	3.279	3.8	20.3
4 11	11 48.34	− 8 11.0	2.331	3.280	6.7	20.5
4 21	11 42.87	− 7 32.5	2.393	3.281	9.6	20.7

499852 2011 ER_{42} 3 21.3 255°.31 2°.5/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 24.78	+ 2 19.8	2.075	2.872	13.7	20.9
2 21	12 21.87	+ 3 28.2	1.978	2.861	10.7	20.6
3 2	12 16.87	+ 4 50.0	1.904	2.851	7.2	20.4
3 12	12 10.25	+ 6 19.4	1.857	2.840	3.7	20.2
3 22	12 2.71	+ 7 48.9	1.839	2.828	3.0	20.1
4 1	11 55.12	+ 9 10.5	1.850	2.817	6.3	20.3
4 11	11 48.40	+10 17.4	1.888	2.805	10.0	20.5
4 21	11 43.25	+11 5.5	1.949	2.794	13.4	20.7

433594 2013 YO_{56} 3 21.3 50°.34 5°.3/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.04	+13 15.3	2.101	2.911	13.1	20.7
2 21	12 24.25	+14 9.8	2.028	2.915	10.3	20.5
3 2	12 18.35	+15 6.4	1.978	2.918	7.5	20.3
3 12	12 10.89	+15 58.3	1.955	2.922	5.5	20.2
3 22	12 2.67	+16 38.8	1.959	2.926	5.8	20.3
4 1	11 54.59	+17 2.8	1.991	2.930	8.2	20.4
4 11	11 47.53	+17 7.5	2.048	2.933	11.0	20.6
4 21	11 42.15	+16 52.7	2.128	2.937	13.7	20.8

461399 2001 SC_{183} 3 21.3 129°.23 1°.1/22.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.70	− 4 39.0	2.070	2.828	15.0	21.6
2 21	12 27.91	− 4 43.2	1.985	2.840	12.0	21.4
3 2	12 20.87	− 4 34.2	1.922	2.851	8.5	21.2
3 12	12 12.15	− 4 14.1	1.885	2.862	4.5	21.0
3 22	12 2.58	− 3 46.2	1.877	2.872	1.1	20.7
4 1	11 53.12	− 3 15.2	1.898	2.882	4.2	21.0
4 11	11 44.73	− 2 46.2	1.948	2.892	8.1	21.2
4 21	11 38.11	− 2 23.7	2.023	2.901	11.6	21.5

28275 Quoc–Bao 3 21.3 342°.96 0°.2/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.58	− 3 4.1	1.980	2.761	14.8	18.6
2 21	12 22.55	− 2 50.7	1.887	2.758	11.8	18.4
3 2	12 17.35	− 2 23.4	1.816	2.754	8.2	18.2
3 12	12 10.48	− 1 45.1	1.771	2.752	4.1	17.9
3 22	12 2.70	− 1 0.3	1.753	2.749	0.3	17.6
4 1	11 54.92	− 0 14.9	1.763	2.747	4.5	17.9
4 11	11 48.09	+ 0 25.3	1.800	2.745	8.6	18.2
4 21	11 42.93	+ 0 55.6	1.861	2.743	12.2	18.4

501224 2013 UU_{13} 3 21.3 191°.56 4°.7/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.87	−18 4.1	2.711	3.388	13.6	23.3
2 21	12 25.40	−18 22.7	2.601	3.386	11.6	23.1
3 2	12 19.05	−18 24.3	2.512	3.383	9.3	23.0
3 12	12 11.26	−18 8.1	2.447	3.380	6.8	22.8
3 22	12 2.65	−17 35.0	2.411	3.376	4.9	22.7
4 1	11 53.97	−16 47.7	2.403	3.371	5.0	22.7
4 11	11 46.02	−15 51.0	2.425	3.366	6.9	22.8
4 21	11 39.43	−14 50.7	2.474	3.360	9.4	22.9

293891 2007 RK_{294} 3 21.3 188°.44 0°.4/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.38	− 4 5.0	2.419	3.182	12.9	21.8
2 21	12 22.73	− 3 45.4	2.322	3.182	10.3	21.6
3 2	12 17.23	− 3 13.3	2.248	3.181	7.2	21.4
3 12	12 10.35	− 2 31.2	2.201	3.180	3.7	21.2
3 22	12 2.72	− 1 43.0	2.183	3.179	0.4	20.9
4 1	11 55.11	− 0 53.7	2.194	3.178	3.8	21.2
4 11	11 48.28	− 0 8.4	2.234	3.176	7.4	21.4
4 21	11 42.84	+ 0 28.9	2.300	3.174	10.5	21.6

91443 1999 RH_{17} 3 21.3 105°.58 1°.9/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.61	− 7 44.9	2.017	2.775	15.4	19.6
2 21	12 24.07	− 7 41.2	1.928	2.780	12.4	19.4
3 2	12 18.34	− 7 20.9	1.860	2.785	9.0	19.2
3 12	12 10.96	− 6 45.9	1.817	2.790	5.1	19.0
3 22	12 2.68	− 5 59.8	1.801	2.795	1.9	18.7
4 1	11 54.46	− 5 8.1	1.814	2.799	4.2	18.9
4 11	11 47.23	− 4 17.2	1.854	2.804	8.1	19.1
4 21	11 41.69	− 3 32.6	1.920	2.809	11.6	19.4

306636 2000 SS_{17} 3 21.3 257°.91 1°.6/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.66	− 8 14.3	1.636	2.409	17.8	20.6
2 21	12 24.05	− 7 49.9	1.537	2.399	14.5	20.3
3 2	12 18.78	− 7 2.3	1.457	2.389	10.4	20.1
3 12	12 11.35	− 5 53.6	1.402	2.378	5.8	19.8
3 22	12 2.64	− 4 29.2	1.372	2.367	1.7	19.5
4 1	11 53.83	− 2 57.7	1.370	2.357	5.1	19.7
4 11	11 46.12	− 1 29.5	1.395	2.346	10.0	19.9
4 21	11 40.47	− 0 13.3	1.442	2.334	14.5	20.2

390053 2012 UA_{76} 3 21.3 98°.26 1°.0/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.10	+ 0 29.8	2.452	3.232	12.3	22.0
2 21	12 22.34	+ 1 2.7	2.373	3.245	9.6	21.9
3 2	12 16.85	+ 1 45.3	2.317	3.258	6.5	21.7
3 12	12 10.11	+ 2 33.5	2.289	3.272	3.1	21.5
3 22	12 2.75	+ 3 22.8	2.290	3.285	1.2	21.4
4 1	11 55.52	+ 4 8.2	2.321	3.298	4.4	21.6
4 11	11 49.12	+ 4 45.5	2.380	3.310	7.6	21.8
4 21	11 44.07	+ 5 11.8	2.464	3.323	10.5	22.0

496710 2016 EZ_{179} 3 21.3 114°.13 0°.7/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 29.10	− 4 4.8	1.798	2.575	16.2	21.5
2 21	12 25.53	− 3 57.3	1.710	2.577	13.0	21.3
3 2	12 19.50	− 3 34.2	1.644	2.580	9.1	21.0
3 12	12 11.59	− 2 58.3	1.602	2.582	4.7	20.8
3 22	12 2.64	− 2 14.2	1.588	2.584	0.7	20.5
4 1	11 53.74	− 1 28.1	1.601	2.586	4.8	20.8
4 11	11 45.97	− 0 46.6	1.641	2.588	9.2	21.1
4 21	11 40.11	− 0 15.0	1.706	2.590	13.1	21.3

315420 2007 VU_{245} 3 21.3 131°.98 2°.9/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.83	− 9 26.2	1.805	2.556	17.2	21.3
2 21	12 27.67	− 9 37.5	1.720	2.565	14.1	21.1
3 2	12 20.96	− 9 30.2	1.654	2.573	10.3	20.9
3 12	12 12.30	− 9 5.2	1.613	2.581	6.3	20.7
3 22	12 2.59	− 8 25.6	1.598	2.589	3.0	20.5
4 1	11 52.96	− 7 36.9	1.612	2.597	4.8	20.6
4 11	11 44.53	− 6 46.2	1.653	2.603	8.8	20.9
4 21	11 38.10	− 6 0.3	1.719	2.610	12.6	21.1

460178 2014 QG_{45} 3 21.3 101°.60 0°.4/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.31	− 4 3.5	1.598	2.386	17.5	21.4
2 21	12 25.08	− 3 15.9	1.524	2.398	13.9	21.2
3 2	12 19.24	− 2 8.4	1.470	2.411	9.5	21.0
3 12	12 11.44	− 0 46.4	1.441	2.423	4.6	20.7
3 22	12 2.66	+ 0 42.3	1.439	2.435	0.6	20.4
4 1	11 54.07	+ 2 8.0	1.464	2.447	5.6	20.8
4 11	11 46.78	+ 3 21.9	1.516	2.458	10.2	21.1
4 21	11 41.58	+ 4 18.2	1.592	2.469	14.2	21.4

519582 2012 SO_{71} 3 21.3 218°.29 2°.5/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.10	−11 43.1	2.675	3.400	12.8	21.7
2 21	12 21.64	−11 32.1	2.566	3.393	10.5	21.6
3 2	12 16.46	−11 5.6	2.478	3.386	7.9	21.4
3 12	12 9.98	−10 24.4	2.417	3.379	5.0	21.2
3 22	12 2.77	− 9 31.2	2.384	3.372	2.6	21.0
4 1	11 55.53	− 8 30.2	2.381	3.364	3.6	21.1
4 11	11 48.95	− 7 26.6	2.407	3.356	6.5	21.2
4 21	11 43.63	− 6 25.7	2.460	3.347	9.4	21.4

300891 2008 BO_{13} 3 21.3 229°.06 4°.7/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.41	−16 36.7	2.467	3.167	14.3	20.8
2 21	12 22.87	−17 2.0	2.365	3.167	12.1	20.6
3 2	12 17.41	−17 10.0	2.283	3.166	9.6	20.4
3 12	12 10.49	−17 0.2	2.226	3.165	7.0	20.3
3 22	12 2.74	−16 33.4	2.195	3.165	5.0	20.1
4 1	11 54.96	−15 52.7	2.192	3.164	5.1	20.1
4 11	11 47.94	−15 3.1	2.218	3.164	7.2	20.3
4 21	11 42.34	−14 10.2	2.269	3.163	9.8	20.4

369720 2012 DG_{74} 3 21.3 306°.75 0°.6/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.11	− 5 25.4	1.738	2.519	16.6	21.2
2 21	12 23.31	− 4 57.8	1.648	2.517	13.3	21.0
3 2	12 18.06	− 4 11.1	1.579	2.516	9.3	20.7
3 12	12 10.91	− 3 8.7	1.535	2.515	4.8	20.4
3 22	12 2.71	− 1 56.4	1.517	2.513	0.6	20.1
4 1	11 54.53	− 0 42.1	1.527	2.512	4.9	20.4
4 11	11 47.45	+ 0 25.9	1.564	2.511	9.5	20.7
4 21	11 42.26	+ 1 21.0	1.624	2.510	13.5	20.9

179126 2001 SC_{271} 3 21.3 255°.14 0°.4/21.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 33.36	+ 0 12.6	1.985	2.761	15.0	20.6
2 21	12 28.84	+ 0 10.3	1.878	2.746	12.0	20.4
3 2	12 21.83	+ 0 18.1	1.793	2.731	8.3	20.1
3 12	12 12.81	+ 0 33.4	1.734	2.715	4.1	19.8
3 22	12 2.58	+ 0 52.2	1.703	2.700	0.6	19.5
4 1	11 52.20	+ 1 9.8	1.702	2.683	5.1	19.8
4 11	11 42.79	+ 1 21.5	1.728	2.667	9.4	20.0
4 21	11 35.21	+ 1 23.7	1.780	2.650	13.3	20.2

210496 1998 FP_{67} 3 21.3 2°.36 3°.2/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.52	+ 2 51.3	1.139	1.978	19.9	19.4
2 21	12 22.38	+ 3 30.5	1.070	1.976	15.6	19.1
3 2	12 18.00	+ 4 26.6	1.020	1.976	10.6	18.8
3 12	12 11.05	+ 5 31.8	0.991	1.976	5.3	18.5
3 22	12 2.71	+ 6 35.7	0.985	1.978	3.6	18.4
4 1	11 54.51	+ 7 27.2	1.003	1.981	8.4	18.7
4 11	11 47.93	+ 7 57.9	1.043	1.985	13.6	19.0
4 21	11 43.97	+ 8 4.2	1.102	1.991	18.2	19.2

142584 2002 TF_{96} 3 21.3 16°.48 6°.9/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 21.53	+ 9 39.8	1.003	1.864	20.3	17.4
2 21	12 20.94	+10 49.7	0.958	1.875	15.8	17.1
3 2	12 16.94	+12 7.8	0.931	1.889	11.1	16.9
3 12	12 10.42	+13 21.2	0.926	1.904	7.4	16.8
3 22	12 2.76	+14 17.2	0.942	1.922	7.7	16.8
4 1	11 55.55	+14 46.2	0.980	1.941	11.4	17.1
4 11	11 50.19	+14 44.3	1.039	1.962	15.6	17.4
4 21	11 47.49	+14 13.3	1.115	1.985	19.4	17.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
141059 2001 XQ_6			3 21.3	68°.21	1°.6/23.4	18
	h m	° ′			°	m
2 11	12 23.13	−10 1.9	2.272	3.020	14.1	20.3
2 21	12 20.25	− 9 22.4	2.187	3.033	11.4	20.1
3 2	12 15.55	− 8 24.8	2.125	3.047	8.2	19.9
3 12	12 9.52	− 7 11.8	2.088	3.060	4.7	19.7
3 22	12 2.83	− 5 48.2	2.080	3.073	1.7	19.5
4 1	11 56.25	− 4 20.6	2.101	3.087	3.7	19.7
4 11	11 50.53	− 2 56.0	2.151	3.100	7.1	19.9
4 21	11 46.22	− 1 40.3	2.227	3.114	10.3	20.2
106367 2000 VQ_9			3 21.3	88°.78	0°.0/21.3	18
2 11	12 31.67	− 3 3.1	1.586	2.371	17.7	20.5
2 21	12 27.66	− 2 42.4	1.517	2.390	14.0	20.3
3 2	12 20.96	− 2 4.9	1.469	2.408	9.7	20.1
3 12	12 12.28	− 1 14.9	1.445	2.426	4.8	19.8
3 22	12 2.64	− 0 18.7	1.448	2.444	0.3	19.5
4 1	11 53.28	+ 0 36.0	1.478	2.462	5.3	19.9
4 11	11 45.33	+ 1 21.9	1.535	2.479	9.9	20.2
4 21	11 39.56	+ 1 54.2	1.615	2.496	13.9	20.5
255758 2006 RD_{41}			3 21.3	260°.15	1°.8/19.8	17
2 11	12 30.08	+ 1 41.7	1.794	2.588	15.6	21.4
2 21	12 26.53	+ 2 12.6	1.691	2.571	12.4	21.1
3 2	12 20.39	+ 2 56.5	1.610	2.555	8.5	20.9
3 12	12 12.15	+ 3 49.0	1.554	2.537	4.2	20.6
3 22	12 2.64	+ 4 43.6	1.526	2.520	2.1	20.4
4 1	11 52.98	+ 5 32.9	1.526	2.502	6.3	20.6
4 11	11 44.35	+ 6 10.2	1.552	2.484	10.8	20.8
4 21	11 37.66	+ 6 31.2	1.601	2.465	14.8	21.0
173188 1998 HV_{71}			3 21.3	300°.69	4°.6/17.7	17
2 11	12 28.16	+ 7 3.8	1.472	2.295	17.1	20.1
2 21	12 25.65	+ 7 52.9	1.376	2.273	13.5	19.9
3 2	12 20.15	+ 8 53.8	1.301	2.251	9.4	19.6
3 12	12 12.17	+ 9 58.9	1.249	2.230	5.6	19.3
3 22	12 2.65	+10 58.7	1.223	2.208	5.2	19.2
4 1	11 52.92	+11 43.5	1.222	2.187	9.1	19.3
4 11	11 44.41	+12 6.0	1.245	2.166	13.8	19.5
4 21	11 38.21	+12 3.3	1.289	2.146	18.1	19.7
279720 5475 T_{-2}			3 21.3	133°.54	2°.0/23.5	16
2 11	12 32.56	− 7 58.2	2.460	3.192	13.6	21.7
2 21	12 27.45	− 8 9.1	2.371	3.207	11.0	21.5
3 2	12 20.39	− 8 7.0	2.305	3.221	8.0	21.3
3 12	12 11.90	− 7 53.0	2.266	3.235	4.7	21.1
3 22	12 2.69	− 7 29.6	2.256	3.247	2.1	21.0
4 1	11 53.57	− 7 0.2	2.277	3.260	3.8	21.1
4 11	11 45.35	− 6 29.5	2.326	3.271	6.9	21.3
4 21	11 38.65	− 6 1.7	2.403	3.282	9.9	21.5
108912 2001 PD_{12}			3 21.3	121°.33	4°.3/15.9	17
2 11	12 25.71	+10 38.1	2.368	3.174	11.9	19.3
2 21	12 22.19	+11 46.1	2.294	3.180	9.3	19.1
3 2	12 16.84	+12 58.4	2.244	3.187	6.6	19.0
3 12	12 10.16	+14 8.5	2.222	3.193	4.6	18.9
3 22	12 2.81	+15 10.2	2.229	3.199	4.9	18.9
4 1	11 55.57	+15 58.0	2.264	3.205	7.1	19.0
4 11	11 49.19	+16 28.3	2.325	3.211	9.8	19.2
4 21	11 44.23	+16 40.2	2.410	3.216	12.4	19.4
519576 2012 SA_{71}			3 21.3	105°.06	2°.2/23.8	17
2 11	12 27.60	− 8 58.2	2.411	3.151	13.6	22.1
2 21	12 23.67	− 9 4.3	2.321	3.160	11.1	21.9
3 2	12 17.87	− 8 56.3	2.252	3.169	8.1	21.7
3 12	12 10.68	− 8 35.3	2.210	3.177	4.9	21.5
3 22	12 2.77	− 8 4.0	2.195	3.186	2.3	21.4
4 1	11 54.92	− 7 26.2	2.210	3.194	3.8	21.5
4 11	11 47.90	− 6 47.0	2.254	3.203	6.9	21.7
4 21	11 42.31	− 6 10.8	2.324	3.211	9.9	21.9
214581 2006 QG_{51}			3 21.3	224°.54	1°.2/20.2	16
2 11	12 30.17	+ 0 3.7	2.036	2.817	14.5	21.7
2 21	12 26.20	+ 0 36.9	1.935	2.807	11.5	21.5
3 2	12 19.92	+ 1 22.9	1.856	2.797	7.8	21.2
3 12	12 11.83	+ 2 17.9	1.803	2.786	3.8	21.0
3 22	12 2.70	+ 3 16.1	1.779	2.774	1.4	20.8
4 1	11 53.49	+ 4 11.0	1.784	2.761	5.4	21.0
4 11	11 45.21	+ 4 56.3	1.817	2.749	9.5	21.2
4 21	11 38.65	+ 5 27.8	1.874	2.735	13.1	21.4
127925 2003 GQ_{47}			3 21.3	83°.37	1°.0/20.4	18
2 11	12 26.90	− 1 4.9	1.823	2.614	15.5	20.1
2 21	12 23.71	− 0 26.7	1.742	2.620	12.2	19.9
3 2	12 18.19	+ 0 26.2	1.683	2.626	8.3	19.7
3 12	12 10.94	+ 1 29.1	1.649	2.632	4.0	19.5
3 22	12 2.77	+ 2 35.4	1.642	2.638	1.2	19.3
4 1	11 54.70	+ 3 37.7	1.664	2.643	5.4	19.6
4 11	11 47.74	+ 4 29.2	1.712	2.649	9.6	19.8
4 21	11 42.58	+ 5 5.6	1.784	2.655	13.2	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
264736 2002 CM_{165}			3 21.3	357°.02	5°.6/15.8	18
	h m	° ′			°	m
2 11	12 24.91	+ 9 37.6	1.644	2.470	15.4	19.6
2 21	12 22.47	+10 57.6	1.570	2.468	12.1	19.4
3 2	12 17.52	+12 26.0	1.519	2.467	8.5	19.2
3 12	12 10.66	+13 53.4	1.492	2.466	5.9	19.0
3 22	12 2.79	+15 10.1	1.492	2.466	6.3	19.0
4 1	11 55.01	+16 7.4	1.518	2.466	9.4	19.2
4 11	11 48.43	+16 40.0	1.568	2.466	13.0	19.4
4 21	11 43.82	+16 46.7	1.638	2.467	16.2	19.6
93310 2000 SU_{212}			3 21.3	90°.97	4°.2/16.8	18
2 11	12 27.14	+ 7 11.0	1.925	2.733	14.2	19.3
2 21	12 23.66	+ 8 29.3	1.860	2.749	11.0	19.1
3 2	12 18.00	+ 9 55.6	1.818	2.764	7.5	18.9
3 12	12 10.77	+11 22.1	1.803	2.780	4.6	18.8
3 22	12 2.79	+12 40.7	1.816	2.795	4.7	18.8
4 1	11 55.01	+13 44.0	1.857	2.810	7.6	19.0
4 11	11 48.34	+14 27.4	1.924	2.825	10.8	19.3
4 21	11 43.39	+14 49.4	2.014	2.839	13.8	19.5
19009 Galenmaly			3 21.3	156°.96	0°.7/20.6	18
2 11	12 30.40	+ 0 3.4	2.316	3.088	13.2	19.1
2 21	12 25.90	+ 0 22.7	2.227	3.094	10.4	19.0
3 2	12 19.41	+ 0 52.1	2.162	3.100	7.1	18.8
3 12	12 11.46	+ 1 28.0	2.124	3.105	3.4	18.5
3 22	12 2.75	+ 2 6.1	2.115	3.110	0.9	18.3
4 1	11 54.11	+ 2 41.8	2.136	3.115	4.5	18.6
4 11	11 46.37	+ 3 10.4	2.185	3.119	8.0	18.8
4 21	11 40.17	+ 3 28.9	2.260	3.122	11.2	19.0
109112 2001 QR_{39}			3 21.3	256°.87	6°.6/26.6	17
2 11	12 32.15	−16 32.9	1.807	2.522	18.3	19.6
2 21	12 28.25	−17 33.9	1.712	2.522	15.7	19.4
3 2	12 21.62	−18 15.2	1.636	2.521	12.6	19.2
3 12	12 12.79	−18 33.7	1.582	2.521	9.4	19.0
3 22	12 2.65	−18 28.7	1.553	2.520	7.0	18.9
4 1	11 52.38	−18 2.4	1.551	2.520	7.1	18.9
4 11	11 43.24	−17 21.0	1.575	2.519	9.7	19.0
4 21	11 36.19	−16 32.6	1.623	2.519	12.9	19.2
226926 2004 TF_{253}			3 21.4	155°.04	0°.9/22.3	17
2 11	12 26.33	− 6 23.5	2.087	2.851	14.7	21.1
2 21	12 23.02	− 5 57.1	1.996	2.854	11.8	20.9
3 2	12 17.61	− 5 14.1	1.926	2.856	8.3	20.7
3 12	12 10.64	− 4 17.4	1.882	2.859	4.4	20.4
3 22	12 2.81	− 3 11.5	1.865	2.861	0.9	20.2
4 1	11 55.03	− 2 3.0	1.878	2.863	4.2	20.4
4 11	11 48.17	− 0 58.5	1.919	2.865	8.1	20.7
4 21	11 42.91	− 0 3.6	1.985	2.866	11.6	20.9
329126 2011 CB_{67}			3 21.4	124°.07	1°.4/19.9	17
2 11	12 26.77	− 0 12.7	1.886	2.678	15.1	21.1
2 21	12 23.56	+ 0 31.6	1.802	2.681	11.8	20.8
3 2	12 18.08	+ 1 30.0	1.740	2.684	8.0	20.6
3 12	12 10.89	+ 2 37.4	1.704	2.687	3.8	20.4
3 22	12 2.79	+ 3 47.2	1.696	2.690	1.7	20.2
4 1	11 54.78	+ 4 52.0	1.716	2.693	5.5	20.5
4 11	11 47.80	+ 5 45.0	1.763	2.696	9.6	20.7
4 21	11 42.59	+ 6 22.3	1.833	2.699	13.2	20.9
170034 2002 VH_{22}			3 21.4	208°.51	3°.7/25.7	18
2 11	12 25.21	−14 44.8	2.406	3.121	14.2	20.3
2 21	12 21.96	−14 43.9	2.302	3.119	11.9	20.1
3 2	12 16.82	−14 24.7	2.220	3.117	9.2	19.9
3 12	12 10.24	−13 47.5	2.162	3.114	6.2	19.7
3 22	12 2.85	−12 54.4	2.131	3.112	3.9	19.6
4 1	11 55.44	−11 49.8	2.129	3.109	4.4	19.6
4 11	11 48.81	−10 39.7	2.155	3.106	7.0	19.7
4 21	11 43.58	− 9 30.5	2.208	3.103	10.0	19.9
132811 2002 QG_{32}			3 21.4	269°.29	3°.8/16.9	17
2 11	12 24.96	+ 6 53.4	2.098	2.904	13.2	20.4
2 21	12 21.97	+ 8 2.0	2.010	2.899	10.3	20.2
3 2	12 16.92	+ 9 19.4	1.947	2.894	7.1	20.0
3 12	12 10.31	+10 39.0	1.910	2.888	4.3	19.8
3 22	12 2.85	+11 53.6	1.902	2.883	4.3	19.8
4 1	11 55.41	+12 55.9	1.922	2.877	7.1	19.9
4 11	11 48.87	+13 40.8	1.968	2.872	10.4	20.1
4 21	11 43.89	+14 5.8	2.037	2.866	13.5	20.3
276845 2004 RS_{44}			3 21.4	251°.82	1°.2/19.9	17
2 11	12 24.80	− 2 24.7	2.083	2.865	14.1	21.5
2 21	12 21.95	− 1 17.6	1.978	2.852	11.2	21.3
3 2	12 17.00	+ 0 7.0	1.897	2.839	7.6	21.0
3 12	12 10.40	+ 1 44.5	1.842	2.825	3.7	20.7
3 22	12 2.84	+ 3 27.8	1.816	2.811	1.5	20.5
4 1	11 55.20	+ 5 8.4	1.820	2.796	5.4	20.8
4 11	11 48.40	+ 6 37.9	1.851	2.781	9.4	21.0
4 21	11 43.15	+ 7 50.6	1.908	2.766	13.0	21.2

5980 1993 FP_2 3 21.4 159°.15 0°.5/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 33.07	− 3 54.0	1.790	2.560	16.6	18.0
2 21	12 28.66	− 3 41.2	1.703	2.567	13.2	17.8
3 2	12 21.68	− 3 12.6	1.638	2.572	9.3	17.5
3 12	12 12.71	− 2 31.1	1.598	2.577	4.7	17.3
3 22	12 2.69	− 1 41.7	1.585	2.582	0.5	17.0
4 1	11 52.74	− 0 51.1	1.602	2.586	4.9	17.3
4 11	11 43.99	− 0 6.1	1.645	2.589	9.4	17.6
4 21	11 37.28	+ 0 28.1	1.713	2.591	13.3	17.8

415845 2001 SC_{65} 3 21.4 106°.21 1°.6/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.82	−10 14.3	2.137	2.879	15.1	21.6
2 21	12 23.98	− 9 31.8	2.059	2.901	12.2	21.4
3 2	12 18.12	− 8 30.0	2.003	2.923	8.7	21.2
3 12	12 10.82	− 7 11.9	1.972	2.944	4.9	21.0
3 22	12 2.83	− 5 43.1	1.971	2.965	1.7	20.8
4 1	11 55.03	− 4 10.6	1.999	2.985	3.9	21.0
4 11	11 48.24	− 2 42.1	2.057	3.004	7.5	21.3
4 21	11 43.06	− 1 24.0	2.141	3.023	10.9	21.5

106801 2000 XT_{31} 3 21.4 191°.60 2°.1/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.96	− 8 54.4	2.756	3.489	12.2	20.0
2 21	12 23.00	− 9 1.7	2.653	3.488	10.0	19.9
3 2	12 17.36	− 8 56.8	2.573	3.487	7.3	19.7
3 12	12 10.46	− 8 40.4	2.519	3.486	4.5	19.5
3 22	12 2.86	− 8 14.8	2.494	3.484	2.2	19.3
4 1	11 55.26	− 7 43.0	2.499	3.483	3.4	19.4
4 11	11 48.33	− 7 9.3	2.533	3.481	6.3	19.6
4 21	11 42.63	− 6 37.6	2.595	3.479	9.1	19.8

403323 2009 DZ_{20} 3 21.4 99°.48 0°.7/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.14	− 2 22.0	1.590	2.380	17.5	21.7
2 21	12 26.53	− 1 43.0	1.518	2.395	13.8	21.5
3 2	12 20.25	− 0 46.5	1.467	2.409	9.4	21.3
3 12	12 12.00	+ 0 22.3	1.441	2.424	4.5	21.0
3 22	12 2.77	+ 1 35.6	1.442	2.438	1.0	20.8
4 1	11 53.76	+ 2 45.0	1.470	2.452	5.7	21.1
4 11	11 46.11	+ 3 42.4	1.525	2.465	10.3	21.4
4 21	11 40.59	+ 4 23.0	1.603	2.478	14.2	21.7

41096 1999 VN_{61} 3 21.4 181°.29 0°.9/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.85	− 0 10.2	2.241	3.019	13.4	20.0
2 21	12 24.05	+ 0 18.4	2.149	3.020	10.5	19.8
3 2	12 18.25	+ 0 58.1	2.080	3.020	7.2	19.6
3 12	12 10.95	+ 1 45.2	2.038	3.020	3.5	19.4
3 22	12 2.84	+ 2 34.9	2.024	3.020	1.1	19.2
4 1	11 54.78	+ 3 21.7	2.041	3.019	4.7	19.5
4 11	11 47.58	+ 4 0.5	2.085	3.018	8.3	19.7
4 21	11 41.91	+ 4 27.7	2.154	3.017	11.6	19.9

174876 2004 BW_{50} 3 21.4 78°.61 2°.5/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.28	+ 1 54.6	1.613	2.416	16.7	20.5
2 21	12 25.72	+ 2 50.7	1.549	2.435	13.0	20.3
3 2	12 19.60	+ 4 0.3	1.508	2.455	8.7	20.1
3 12	12 11.63	+ 5 16.2	1.491	2.474	4.3	19.9
3 22	12 2.80	+ 6 30.0	1.501	2.493	2.9	19.9
4 1	11 54.26	+ 7 33.2	1.539	2.512	6.7	20.1
4 11	11 47.06	+ 8 19.6	1.603	2.531	10.8	20.4
4 21	11 41.93	+ 8 46.2	1.689	2.549	14.4	20.7

104098 2000 EQ_{37} 3 21.4 348°.62 0°.4/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.67	− 4 2.8	2.038	2.814	14.6	19.2
2 21	12 22.58	− 3 44.8	1.946	2.813	11.7	19.0
3 2	12 17.38	− 3 12.1	1.876	2.812	8.1	18.8
3 12	12 10.56	− 2 27.8	1.831	2.811	4.2	18.5
3 22	12 2.87	− 1 36.3	1.814	2.810	0.4	18.2
4 1	11 55.20	− 0 43.6	1.825	2.810	4.4	18.5
4 11	11 48.45	+ 0 4.2	1.864	2.809	8.3	18.8
4 21	11 43.31	+ 0 42.2	1.927	2.809	11.9	19.0

30231 2000 GZ_{142} 3 21.4 224°.03 6°.5/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.01	+16 51.6	2.186	2.988	12.9	19.1
2 21	12 27.50	+17 59.6	2.100	2.979	10.4	18.9
3 2	12 20.72	+19 8.5	2.039	2.969	8.0	18.8
3 12	12 12.21	+20 10.2	2.004	2.958	6.5	18.7
3 22	12 2.76	+20 57.6	1.997	2.946	7.1	18.7
4 1	11 53.34	+21 24.7	2.018	2.935	9.4	18.8
4 11	11 44.91	+21 28.9	2.064	2.922	12.1	18.9
4 21	11 38.21	+21 10.5	2.132	2.909	14.7	19.1

470495 2008 CF_{33} 3 21.4 243°.60 2°.7/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.36	− 9 53.1	2.568	3.298	13.1	21.4
2 21	12 24.28	−10 14.4	2.463	3.294	10.8	21.2
3 2	12 18.35	−10 22.9	2.381	3.290	8.1	21.0
3 12	12 11.00	−10 18.8	2.324	3.286	5.1	20.8
3 22	12 2.84	−10 3.8	2.295	3.282	2.9	20.7
4 1	11 54.64	− 9 40.6	2.296	3.278	3.9	20.7
4 11	11 47.16	− 9 13.6	2.326	3.274	6.8	20.9
4 21	11 41.03	− 8 46.8	2.382	3.269	9.7	21.1

399414 2001 UP_{176} 3 21.4 227°.98 2°.1/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 32.15	+ 2 14.9	1.758	2.550	16.0	22.5
2 21	12 28.19	+ 2 50.6	1.661	2.540	12.6	22.3
3 2	12 21.54	+ 3 39.3	1.586	2.530	8.6	22.0
3 12	12 12.76	+ 4 35.8	1.536	2.519	4.3	21.7
3 22	12 2.72	+ 5 33.2	1.514	2.507	2.5	21.6
4 1	11 52.60	+ 6 23.9	1.521	2.495	6.5	21.8
4 11	11 43.59	+ 7 1.1	1.553	2.482	11.0	22.0
4 21	11 36.63	+ 7 21.0	1.609	2.468	15.0	22.2

334882 2003 UF_{309} 3 21.4 83°.77 1°.4/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.63	+ 0 47.4	2.068	2.857	14.0	21.0
2 21	12 23.19	+ 1 24.9	1.988	2.865	10.9	20.8
3 2	12 17.68	+ 2 13.9	1.931	2.874	7.4	20.6
3 12	12 10.66	+ 3 9.5	1.900	2.883	3.6	20.3
3 22	12 2.88	+ 4 6.2	1.898	2.892	1.6	20.2
4 1	11 55.21	+ 4 57.8	1.924	2.900	5.1	20.5
4 11	11 48.51	+ 5 38.9	1.978	2.909	8.8	20.7
4 21	11 43.42	+ 6 6.2	2.055	2.918	12.1	20.9

435869 2008 YS_{49} 3 21.4 210°.20 4°.5/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.04	+11 10.7	2.399	3.204	11.8	21.7
2 21	12 22.52	+12 17.4	2.315	3.201	9.3	21.6
3 2	12 17.14	+13 28.5	2.256	3.198	6.6	21.4
3 12	12 10.39	+14 37.6	2.225	3.194	4.7	21.3
3 22	12 2.89	+15 38.4	2.222	3.191	5.0	21.3
4 1	11 55.45	+16 25.3	2.248	3.187	7.3	21.4
4 11	11 48.82	+16 54.7	2.300	3.183	10.0	21.6
4 21	11 43.60	+17 5.2	2.375	3.179	12.6	21.7

56984 2000 SX_{193} 3 21.4 266°.56 3°.0/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.95	+ 5 28.5	2.367	3.167	12.1	19.7
2 21	12 20.94	+ 6 30.7	2.274	3.159	9.4	19.5
3 2	12 16.11	+ 7 41.7	2.205	3.151	6.4	19.3
3 12	12 9.90	+ 8 56.0	2.163	3.143	3.6	19.1
3 22	12 2.93	+10 7.4	2.150	3.135	3.4	19.1
4 1	11 55.95	+11 9.7	2.167	3.127	6.1	19.2
4 11	11 49.74	+11 57.8	2.210	3.118	9.2	19.4
4 21	11 44.88	+12 29.1	2.277	3.110	12.1	19.6

15390 Znojil 3 21.4 206°.85 0°.1/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.20	− 2 52.4	1.983	2.759	15.0	19.4
2 21	12 24.66	− 2 27.4	1.889	2.757	11.9	19.2
3 2	12 18.86	− 1 47.7	1.816	2.754	8.2	19.0
3 12	12 11.33	− 0 56.7	1.770	2.751	4.1	18.7
3 22	12 2.83	+ 0 0.4	1.751	2.748	0.3	18.4
4 1	11 54.33	+ 0 57.3	1.762	2.744	4.7	18.7
4 11	11 46.81	+ 1 47.4	1.799	2.740	8.9	19.0
4 21	11 41.00	+ 2 25.8	1.861	2.736	12.6	19.2

117839 2005 JD_{75} 3 21.4 268°.57 0°.7/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.25	− 4 58.3	1.825	2.600	16.1	20.9
2 21	12 25.13	− 4 42.0	1.716	2.582	13.1	20.6
3 2	12 19.48	− 4 8.1	1.628	2.563	9.3	20.3
3 12	12 11.78	− 3 18.7	1.564	2.544	4.9	20.0
3 22	12 2.81	− 2 18.7	1.528	2.524	0.7	19.7
4 1	11 53.62	− 1 14.6	1.519	2.504	5.0	19.9
4 11	11 45.38	− 0 14.6	1.538	2.484	9.7	20.1
4 21	11 39.00	+ 0 34.9	1.580	2.464	13.9	20.3

200814 2001 XJ_{179} 3 21.4 146°.11 2°.7/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.69	−10 1.1	1.832	2.579	17.1	21.3
2 21	12 27.56	− 9 59.0	1.745	2.588	14.0	21.1
3 2	12 20.93	− 9 37.0	1.678	2.596	10.3	20.9
3 12	12 12.37	− 8 56.4	1.636	2.604	6.2	20.6
3 22	12 2.79	− 8 1.0	1.620	2.612	2.8	20.4
4 1	11 53.28	− 6 57.0	1.634	2.618	4.7	20.6
4 11	11 44.94	− 5 52.2	1.674	2.624	8.7	20.8
4 21	11 38.58	− 4 53.8	1.740	2.630	12.5	21.0

138714 2000 SC_{126} 3 21.4 244°.25 0°.9/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.71	+ 0 44.3	2.587	3.363	11.9	20.5
2 21	12 22.94	+ 1 6.0	2.484	3.353	9.4	20.3
3 2	12 17.41	+ 1 36.8	2.404	3.344	6.4	20.1
3 12	12 10.54	+ 2 13.4	2.351	3.334	3.1	19.9
3 22	12 2.92	+ 2 52.0	2.328	3.323	1.1	19.7
4 1	11 55.26	+ 3 28.0	2.335	3.313	4.2	19.9
4 11	11 48.31	+ 3 57.5	2.370	3.302	7.5	20.1
4 21	11 42.65	+ 4 17.2	2.431	3.292	10.5	20.3

420504 2012 FG_{35} 3 21.4 251°.00 2°.2/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.17	+ 2 22.7	1.837	2.635	15.2	21.7
2 21	12 24.86	+ 3 3.8	1.745	2.628	11.9	21.4
3 2	12 19.13	+ 3 57.3	1.675	2.621	8.1	21.2
3 12	12 11.52	+ 4 58.1	1.630	2.613	4.0	20.9
3 22	12 2.85	+ 5 59.1	1.613	2.606	2.5	20.8
4 1	11 54.15	+ 6 53.1	1.624	2.598	6.3	21.0
4 11	11 46.50	+ 7 33.7	1.662	2.590	10.4	21.2
4 21	11 40.70	+ 7 57.1	1.722	2.582	14.2	21.4

321821 2010 RT_{46} 3 21.4 244°.58 13°.3/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 45.39	−19 29.3	1.279	1.990	24.8	20.6
2 21	12 40.79	−22 12.0	1.187	1.983	22.1	20.3
3 2	12 31.75	−24 39.4	1.111	1.975	18.8	20.1
3 12	12 18.55	−26 40.1	1.054	1.967	15.7	19.8
3 22	12 2.33	−28 2.8	1.020	1.959	13.6	19.7
4 1	11 45.15	−28 40.7	1.010	1.951	13.8	19.7
4 11	11 29.54	−28 37.2	1.022	1.942	16.2	19.8
4 21	11 17.49	−28 4.3	1.054	1.933	19.7	19.9

421974 2014 QA_{297} 3 21.4 256°.33 0°.5/20.9 17

2 11	12 31.84	− 1 55.1	1.776	2.556	16.3	23.0
2 21	12 28.13	− 1 32.4	1.664	2.534	13.1	22.7
3 2	12 21.68	− 0 53.5	1.573	2.512	9.2	22.4
3 12	12 12.94	− 0 1.6	1.506	2.488	4.5	22.1
3 22	12 2.75	+ 0 57.9	1.468	2.464	0.7	21.7
4 1	11 52.26	+ 1 57.6	1.457	2.439	5.7	22.0
4 11	11 42.73	+ 2 49.5	1.474	2.413	10.6	22.2
4 21	11 35.20	+ 3 27.6	1.514	2.386	15.1	22.4

80193 1999 VO_{43} 3 21.4 146°.24 0°.1/21.4 18

2 11	12 33.68	− 3 19.8	1.682	2.457	17.3	20.8
2 21	12 29.28	− 2 57.3	1.601	2.468	13.7	20.6
3 2	12 22.18	− 2 17.9	1.541	2.477	9.5	20.3
3 12	12 13.01	− 1 25.6	1.505	2.486	4.7	20.1
3 22	12 2.77	− 0 26.2	1.498	2.494	0.3	19.7
4 1	11 52.66	+ 0 32.6	1.518	2.501	5.3	20.1
4 11	11 43.88	+ 1 23.2	1.566	2.508	9.9	20.4
4 21	11 37.24	+ 2 0.6	1.638	2.514	14.0	20.7

208342 2001 QC_{235} 3 21.4 128°.65 0°.6/20.7 18

2 11	12 26.55	− 0 56.2	2.640	3.410	11.8	21.3
2 21	12 22.63	− 0 26.3	2.556	3.421	9.3	21.1
3 2	12 17.06	+ 0 13.4	2.495	3.432	6.3	20.9
3 12	12 10.31	+ 0 59.6	2.461	3.443	3.0	20.7
3 22	12 2.96	+ 1 48.1	2.458	3.453	0.7	20.6
4 1	11 55.69	+ 2 34.4	2.484	3.464	3.9	20.8
4 11	11 49.19	+ 3 14.2	2.540	3.473	7.0	21.0
4 21	11 43.96	+ 3 44.5	2.621	3.483	9.8	21.2

11619 1996 GG_{17} 3 21.4 269°.44 3°.5/17.9 18

2 11	12 26.95	+ 4 50.3	1.810	2.617	15.0	17.5
2 21	12 24.01	+ 5 51.9	1.715	2.604	11.8	17.3
3 2	12 18.63	+ 7 5.8	1.642	2.590	8.0	17.0
3 12	12 11.32	+ 8 25.6	1.596	2.577	4.5	16.8
3 22	12 2.88	+ 9 42.8	1.576	2.563	4.0	16.7
4 1	11 54.37	+10 48.9	1.585	2.549	7.5	16.9
4 11	11 46.87	+11 37.1	1.619	2.535	11.5	17.1
4 21	11 41.22	+12 3.9	1.675	2.520	15.2	17.3

94446 2001 TE_{90} 3 21.4 43°.43 2°.0/22.5 18

2 11	12 34.86	− 3 42.2	1.252	2.048	21.0	19.2
2 21	12 31.08	− 4 21.3	1.183	2.059	16.9	18.9
3 2	12 23.86	− 4 43.7	1.133	2.070	12.0	18.7
3 12	12 13.98	− 4 50.7	1.104	2.082	6.6	18.4
3 22	12 2.71	− 4 45.6	1.100	2.095	2.0	18.1
4 1	11 51.68	− 4 34.0	1.121	2.107	5.9	18.4
4 11	11 42.44	− 4 22.7	1.167	2.121	11.2	18.8
4 21	11 36.01	− 4 17.5	1.234	2.134	15.8	19.1

217994 2001 WD_{100} 3 21.4 150°.36 0°.9/22.4 18

2 11	12 29.93	− 5 40.2	2.433	3.182	13.3	21.5
2 21	12 25.47	− 5 23.3	2.343	3.192	10.6	21.3
3 2	12 19.11	− 4 53.1	2.275	3.202	7.5	21.2
3 12	12 11.36	− 4 12.2	2.235	3.211	4.0	20.9
3 22	12 2.89	− 3 24.1	2.224	3.219	0.9	20.7
4 1	11 54.51	− 2 33.8	2.243	3.227	3.7	20.9
4 11	11 46.97	− 1 46.3	2.291	3.234	7.2	21.2
4 21	11 40.90	− 1 6.0	2.366	3.240	10.3	21.4

161008 2002 EO_{40} 3 21.4 75°.83 0°.4/21.1 18

2 11	12 32.64	− 1 54.2	1.467	2.260	18.6	19.8
2 21	12 28.62	− 1 34.7	1.404	2.281	14.6	19.5
3 2	12 21.73	− 0 58.7	1.361	2.302	10.0	19.3
3 12	12 12.75	− 0 11.0	1.341	2.324	4.9	19.1
3 22	12 2.81	+ 0 41.4	1.349	2.345	0.6	18.8
4 1	11 53.20	+ 1 30.7	1.383	2.366	5.7	19.2
4 11	11 45.16	+ 2 9.8	1.443	2.387	10.4	19.5
4 21	11 39.45	+ 2 34.2	1.526	2.407	14.5	19.8

143263 2003 AQ_{7} 3 21.4 30°.66 2°.0/18.9 17

2 11	12 22.24	+ 0 0.3	2.122	2.916	13.5	19.5
2 21	12 19.77	+ 1 19.4	2.037	2.919	10.5	19.3
3 2	12 15.38	+ 2 53.0	1.976	2.922	7.0	19.1
3 12	12 9.57	+ 4 35.1	1.942	2.926	3.4	18.9
3 22	12 3.02	+ 6 17.9	1.938	2.929	2.4	18.8
4 1	11 56.52	+ 7 53.4	1.962	2.933	5.7	19.1
4 11	11 50.88	+ 9 14.6	2.015	2.937	9.2	19.3
4 21	11 46.70	+10 17.1	2.091	2.941	12.4	19.5

508373 2016 EB_{216} 3 21.4 227°.55 3°.2/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 28.29	+ 6 41.3	2.226	3.022	12.9	21.4
2 21	12 24.48	+ 7 26.3	2.133	3.016	10.1	21.2
3 2	12 18.61	+ 8 18.5	2.064	3.009	6.9	21.0
3 12	12 11.19	+ 9 12.7	2.023	3.002	3.9	20.8
3 22	12 2.91	+10 2.8	2.009	2.994	3.5	20.7
4 1	11 54.64	+10 43.1	2.025	2.987	6.3	20.9
4 11	11 47.24	+11 9.3	2.068	2.979	9.7	21.1
4 21	11 41.39	+11 19.2	2.135	2.970	12.7	21.3

419486 2010 EK_{16} 3 21.4 65°.72 4°.9/16.3 18

2 11	12 26.92	+ 9 21.4	1.830	2.645	14.5	20.5
2 21	12 23.69	+10 34.8	1.764	2.656	11.3	20.4
3 2	12 18.16	+11 54.7	1.721	2.667	7.9	20.2
3 12	12 10.95	+13 12.9	1.704	2.678	5.3	20.0
3 22	12 2.94	+14 20.9	1.715	2.690	5.5	20.1
4 1	11 55.11	+15 11.9	1.753	2.701	8.3	20.3
4 11	11 48.44	+15 41.5	1.815	2.713	11.5	20.5
4 21	11 43.58	+15 48.8	1.900	2.724	14.5	20.7

199457 2006 DN_{41} 3 21.4 334°.19 7°.8/28.4 17

2 11	12 25.26	−20 31.7	1.762	2.470	19.0	19.4
2 21	12 23.01	−21 24.0	1.663	2.461	16.6	19.1
3 2	12 18.16	−21 52.3	1.581	2.453	13.7	18.9
3 12	12 11.19	−21 53.3	1.519	2.445	10.7	18.7
3 22	12 2.91	−21 25.9	1.481	2.438	8.4	18.6
4 1	11 54.47	−20 32.8	1.467	2.431	8.0	18.5
4 11	11 47.07	−19 21.1	1.479	2.425	10.0	18.6
4 21	11 41.67	−18 0.5	1.513	2.419	13.0	18.8

424177 2007 HZ_{85} 3 21.4 136°.03 6°.0/14.5 18

2 11	12 30.03	+16 4.2	2.228	3.033	12.6	20.9
2 21	12 25.72	+17 13.8	2.161	3.042	10.0	20.7
3 2	12 19.35	+18 23.6	2.118	3.050	7.6	20.6
3 12	12 11.49	+19 26.1	2.102	3.058	6.1	20.5
3 22	12 2.91	+20 14.6	2.114	3.066	6.6	20.6
4 1	11 54.51	+20 44.1	2.154	3.074	8.7	20.7
4 11	11 47.12	+20 52.3	2.220	3.081	11.2	20.9
4 21	11 41.38	+20 39.7	2.307	3.087	13.6	21.0

283544 2001 UK_{89} 3 21.4 137°.12 3°.7/16.5 17

2 11	12 25.36	+ 8 56.4	2.536	3.336	11.4	20.8
2 21	12 21.83	+10 2.6	2.459	3.343	8.9	20.7
3 2	12 16.59	+11 14.0	2.407	3.350	6.1	20.5
3 12	12 10.11	+12 24.7	2.382	3.356	4.0	20.4
3 22	12 3.01	+13 29.0	2.387	3.362	4.1	20.4
4 1	11 55.99	+14 21.5	2.421	3.368	6.4	20.5
4 11	11 49.76	+14 58.6	2.482	3.374	9.1	20.7
4 21	11 44.84	+15 18.7	2.567	3.379	11.5	20.9

96221 1993 TC_{2} 3 21.4 143°.86 0°.7/20.8 18

2 11	12 32.84	− 1 7.1	1.928	2.703	15.4	19.7
2 21	12 28.23	− 0 40.7	1.846	2.714	12.1	19.5
3 2	12 21.25	− 0 1.0	1.787	2.725	8.3	19.3
3 12	12 12.50	+ 0 47.7	1.753	2.735	4.0	19.1
3 22	12 2.85	+ 1 39.9	1.748	2.744	0.9	18.8
4 1	11 53.34	+ 2 29.3	1.773	2.753	5.1	19.2
4 11	11 44.97	+ 3 9.8	1.825	2.761	9.2	19.4
4 21	11 38.48	+ 3 37.7	1.902	2.768	12.8	19.7

375946 2009 WY_{133} 3 21.4 184°.09 3°.1/18.4 17

2 11	12 29.60	+ 6 7.5	2.053	2.850	13.8	21.4
2 21	12 25.62	+ 6 47.7	1.968	2.850	10.8	21.2
3 2	12 19.45	+ 7 35.6	1.906	2.850	7.4	21.0
3 12	12 11.62	+ 8 25.6	1.870	2.850	4.1	20.8
3 22	12 2.91	+ 9 11.6	1.863	2.850	3.4	20.8
4 1	11 54.27	+ 9 47.7	1.884	2.849	6.4	20.9
4 11	11 46.64	+10 9.4	1.932	2.848	10.0	21.1
4 21	11 40.70	+10 14.8	2.004	2.846	13.2	21.3

501880 2014 WK_{382} 3 21.4 284°.22 5°.2/17.1 17

2 11	12 34.02	+12 43.1	1.848	2.653	14.8	20.6
2 21	12 29.36	+13 15.5	1.768	2.652	11.7	20.4
3 2	12 22.14	+13 49.9	1.710	2.651	8.4	20.2
3 12	12 12.98	+14 19.3	1.678	2.649	5.7	20.0
3 22	12 2.82	+14 37.1	1.674	2.648	5.7	20.0
4 1	11 52.81	+14 38.1	1.697	2.647	8.4	20.1
4 11	11 44.04	+14 19.8	1.746	2.646	11.8	20.3
4 21	11 37.31	+13 42.8	1.818	2.645	15.0	20.5

85111 4051 $T\text{-}_{3}$ 3 21.4 217°.84 0°.3/21.1 18

2 11	12 25.13	− 4 55.7	1.875	2.654	15.6	18.9
2 21	12 22.41	− 3 56.9	1.781	2.651	12.4	18.7
3 2	12 17.42	− 2 38.2	1.710	2.649	8.6	18.5
3 12	12 10.68	− 1 3.9	1.664	2.646	4.2	18.2
3 22	12 2.97	+ 0 38.6	1.646	2.642	0.5	17.9
4 1	11 55.27	+ 2 20.2	1.657	2.639	5.1	18.2
4 11	11 48.55	+ 3 51.9	1.696	2.635	9.4	18.5
4 21	11 43.56	+ 5 7.1	1.759	2.632	13.3	18.7

31528 1999 CU_{126} 3 21.4 196°.83 11°.5/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 37.93	+32 2.7	2.059	2.843	14.2	18.9
2 21	12 32.57	+33 53.9	2.002	2.840	12.7	18.8
3 2	12 24.40	+35 33.9	1.969	2.836	11.7	18.7
3 12	12 14.11	+36 51.7	1.960	2.831	11.6	18.7
3 22	12 2.75	+37 38.8	1.975	2.825	12.6	18.8
4 1	11 51.59	+37 50.5	2.013	2.819	14.2	18.9
4 11	11 41.85	+37 27.3	2.071	2.811	16.1	19.0
4 21	11 34.38	+36 33.6	2.147	2.803	17.8	19.1

362670 2011 UM_{47} 3 21.4 90°.34 2°.6/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 33.54	+ 4 4.2	1.523	2.327	17.5	21.1
2 21	12 29.40	+ 4 27.1	1.451	2.336	13.7	20.8
3 2	12 22.36	+ 5 0.5	1.399	2.345	9.3	20.6
3 12	12 13.14	+ 5 38.5	1.371	2.354	4.7	20.3
3 22	12 2.82	+ 6 14.0	1.370	2.362	2.9	20.2
4 1	11 52.70	+ 6 40.2	1.396	2.371	6.9	20.5
4 11	11 44.07	+ 6 51.8	1.448	2.379	11.4	20.8
4 21	11 37.76	+ 6 46.6	1.522	2.388	15.4	21.0

209104 2003 SP_{76} 3 21.4 251°.50 0°.5/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.60	− 5 10.4	1.961	2.727	15.5	21.1
2 21	12 26.06	− 4 43.9	1.846	2.707	12.5	20.8
3 2	12 20.08	− 3 59.5	1.753	2.686	8.9	20.6
3 12	12 12.10	− 2 59.7	1.685	2.664	4.6	20.3
3 22	12 2.88	− 1 49.2	1.645	2.641	0.5	19.9
4 1	11 53.43	− 0 35.0	1.634	2.618	4.8	20.2
4 11	11 44.84	+ 0 34.9	1.651	2.594	9.4	20.4
4 21	11 38.00	+ 1 33.7	1.692	2.569	13.5	20.6

210874 2001 RH_{155} 3 21.4 56°.44 0°.4/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.21	− 1 1.6	2.086	2.868	14.1	20.6
2 21	12 23.60	− 0 43.9	2.009	2.881	11.1	20.4
3 2	12 17.96	− 0 14.7	1.955	2.895	7.6	20.2
3 12	12 10.83	+ 0 22.3	1.926	2.908	3.7	20.0
3 22	12 2.98	+ 1 2.6	1.926	2.922	0.6	19.8
4 1	11 55.27	+ 1 40.8	1.955	2.936	4.5	20.1
4 11	11 48.55	+ 2 11.9	2.011	2.951	8.2	20.3
4 21	11 43.43	+ 2 32.7	2.092	2.965	11.5	20.6

208188 2000 QO_{167} 3 21.4 147°.75 0°.3/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.26	− 4 59.9	2.673	3.431	12.0	20.6
2 21	12 20.90	− 4 22.9	2.580	3.437	9.5	20.5
3 2	12 15.94	− 3 33.1	2.510	3.442	6.6	20.3
3 12	12 9.80	− 2 33.5	2.468	3.447	3.4	20.1
3 22	12 3.05	− 1 28.3	2.455	3.451	0.3	19.8
4 1	11 56.34	− 0 22.4	2.473	3.456	3.5	20.1
4 11	11 50.34	+ 0 38.8	2.519	3.460	6.7	20.3
4 21	11 45.54	+ 1 31.4	2.592	3.464	9.6	20.5

330699 2008 KU_{13} 3 21.4 327°.45 10°.0/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.67	+19 41.0	1.550	2.384	15.7	19.9
2 21	12 23.48	+21 41.3	1.484	2.376	13.0	19.7
3 2	12 18.48	+23 41.9	1.440	2.368	10.8	19.5
3 12	12 11.31	+25 29.6	1.420	2.361	10.0	19.5
3 22	12 2.94	+26 52.3	1.425	2.354	11.3	19.5
4 1	11 54.66	+27 41.3	1.453	2.348	13.8	19.7
4 11	11 47.71	+27 53.5	1.502	2.341	16.8	19.8
4 21	11 42.97	+27 31.1	1.568	2.336	19.5	20.0

307973 2004 NT_{23} 3 21.4 228°.66 5°.2/27.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.89	−18 46.0	2.561	3.238	14.3	21.7
2 21	12 25.73	−19 9.6	2.441	3.225	12.3	21.5
3 2	12 19.53	−19 15.5	2.342	3.211	10.0	21.3
3 12	12 11.72	−19 2.1	2.266	3.196	7.5	21.1
3 22	12 2.92	−18 29.7	2.217	3.180	5.5	21.0
4 1	11 53.95	−17 40.8	2.197	3.164	5.5	21.0
4 11	11 45.68	−16 40.5	2.206	3.147	7.5	21.0
4 21	11 38.83	−15 34.9	2.242	3.130	10.2	21.2

503060 2015 FM_{177} 3 21.4 95°.86 2°.7/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.19	−10 54.2	2.180	2.921	14.8	20.8
2 21	12 22.89	−10 52.3	2.087	2.925	12.2	20.7
3 2	12 17.56	−10 33.0	2.015	2.929	9.1	20.5
3 12	12 10.69	− 9 57.4	1.968	2.933	5.6	20.3
3 22	12 2.99	− 9 8.4	1.948	2.937	2.9	20.1
4 1	11 55.33	− 8 11.0	1.956	2.941	4.1	20.2
4 11	11 48.55	− 7 11.5	1.993	2.945	7.4	20.4
4 21	11 43.31	− 6 16.0	2.056	2.949	10.7	20.6

433662 2014 BP_{46} 3 21.4 249°.41 2°.6/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.50	− 9 40.8	2.482	3.217	13.4	20.8
2 21	12 23.72	− 9 54.3	2.377	3.212	11.0	20.6
3 2	12 18.04	− 9 54.1	2.294	3.207	8.2	20.4
3 12	12 10.92	− 9 40.8	2.237	3.201	5.1	20.2
3 22	12 2.98	− 9 16.3	2.207	3.196	2.7	20.0
4 1	11 54.99	− 8 44.0	2.207	3.190	3.9	20.1
4 11	11 47.73	− 8 8.6	2.236	3.185	6.9	20.3
4 21	11 41.85	− 7 34.6	2.291	3.179	10.0	20.5

45267 2000 AK_{7} 3 21.4 92°.68 4°.2/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 31.75	+ 7 45.9	1.665	2.474	16.0	19.7
2 21	12 27.69	+ 8 35.2	1.598	2.486	12.5	19.5
3 2	12 21.02	+ 9 32.0	1.552	2.499	8.6	19.3
3 12	12 12.42	+10 28.7	1.532	2.511	5.1	19.1
3 22	12 2.90	+11 17.4	1.539	2.522	4.7	19.1
4 1	11 53.62	+11 51.2	1.573	2.534	7.9	19.4
4 11	11 45.70	+12 5.9	1.633	2.546	11.6	19.6
4 21	11 39.88	+12 0.4	1.714	2.557	15.0	19.8

353220 2009 WM_{166} 3 21.4 103°.30 4°.3/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.13	+ 5 19.5	1.394	2.212	18.1	20.9
2 21	12 27.76	+ 6 24.7	1.327	2.221	14.1	20.7
3 2	12 21.37	+ 7 42.8	1.281	2.230	9.6	20.4
3 12	12 12.70	+ 9 4.7	1.259	2.240	5.4	20.2
3 22	12 2.88	+10 19.7	1.262	2.248	4.8	20.2
4 1	11 53.29	+11 18.0	1.292	2.257	8.7	20.4
4 11	11 45.26	+11 53.2	1.346	2.266	13.1	20.7
4 21	11 39.66	+12 3.3	1.421	2.274	17.0	20.9

261913 2006 KE_{6} 3 21.4 260°.18 2°.1/19.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.30	+ 1 56.9	1.717	2.514	16.1	21.6
2 21	12 26.88	+ 2 30.6	1.617	2.499	12.8	21.4
3 2	12 20.77	+ 3 17.9	1.538	2.483	8.8	21.1
3 12	12 12.49	+ 4 13.8	1.484	2.467	4.3	20.8
3 22	12 2.89	+ 5 11.6	1.457	2.450	2.4	20.6
4 1	11 53.13	+ 6 3.3	1.458	2.433	6.6	20.8
4 11	11 44.45	+ 6 41.8	1.484	2.416	11.2	21.1
4 21	11 37.79	+ 7 2.8	1.534	2.399	15.3	21.3

69151 2003 GZ_{41} 3 21.4 283°.69 7°.9/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.78	+17 43.4	1.855	2.671	14.3	19.2
2 21	12 26.37	+19 5.4	1.764	2.649	11.7	19.0
3 2	12 20.35	+20 29.4	1.696	2.627	9.2	18.8
3 12	12 12.25	+21 45.7	1.653	2.604	7.9	18.6
3 22	12 2.90	+22 44.8	1.636	2.581	8.8	18.6
4 1	11 53.46	+23 18.9	1.645	2.558	11.4	18.7
4 11	11 45.08	+23 24.1	1.678	2.535	14.4	18.9
4 21	11 38.68	+23 0.9	1.730	2.512	17.4	19.0

297416 2000 SJ_{30} 3 21.4 103°.22 0°.1/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.53	− 3 54.3	1.724	2.500	16.9	21.4
2 21	12 27.37	− 3 17.8	1.654	2.521	13.3	21.2
3 2	12 20.72	− 2 23.9	1.605	2.542	9.2	21.0
3 12	12 12.25	− 1 17.5	1.582	2.563	4.5	20.7
3 22	12 2.92	− 0 5.3	1.586	2.583	0.3	20.4
4 1	11 53.85	+ 1 4.8	1.619	2.602	5.1	20.8
4 11	11 46.09	+ 2 5.3	1.680	2.621	9.4	21.1
4 21	11 40.34	+ 2 51.2	1.764	2.639	13.2	21.4

234931 2002 UZ_{24} 3 21.4 91°.21 4°.1/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.75	+10 48.4	2.205	3.004	12.9	20.7
2 21	12 26.26	+11 22.9	2.131	3.013	10.1	20.5
3 2	12 19.72	+12 0.3	2.081	3.022	7.1	20.3
3 12	12 11.70	+12 34.8	2.058	3.031	4.6	20.2
3 22	12 2.96	+13 1.3	2.063	3.041	4.4	20.2
4 1	11 54.41	+13 15.0	2.097	3.050	6.9	20.3
4 11	11 46.87	+13 13.6	2.158	3.058	9.8	20.5
4 21	11 40.96	+12 56.5	2.242	3.067	12.6	20.7

273784 2007 ED_{222} 3 21.4 185°.49 1°.7/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.14	+ 1 53.7	2.232	3.017	13.2	20.9
2 21	12 24.32	+ 2 32.1	2.142	3.017	10.4	20.7
3 2	12 18.49	+ 3 20.8	2.074	3.017	7.0	20.5
3 12	12 11.15	+ 4 15.3	2.033	3.016	3.4	20.3
3 22	12 3.00	+ 5 10.2	2.022	3.015	1.9	20.2
4 1	11 54.88	+ 5 59.8	2.040	3.013	5.2	20.4
4 11	11 47.64	+ 6 38.9	2.085	3.012	8.7	20.6
4 21	11 41.93	+ 7 4.4	2.155	3.009	11.9	20.8

518657 2008 RU_{148} 3 21.4 113°.95 0°.3/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.76	− 4 25.2	2.130	2.899	14.3	22.0
2 21	12 23.28	− 3 54.8	2.045	2.908	11.4	21.8
3 2	12 17.78	− 3 9.5	1.982	2.917	7.9	21.6
3 12	12 10.79	− 2 12.9	1.946	2.926	4.0	21.3
3 22	12 3.02	− 1 9.9	1.938	2.934	0.3	21.0
4 1	11 55.35	− 0 6.7	1.959	2.942	4.2	21.4
4 11	11 48.61	+ 0 50.4	2.008	2.950	8.0	21.6
4 21	11 43.43	+ 1 36.9	2.082	2.958	11.4	21.8

453790 2011 QA_{45} 3 21.4 108°.67 4°.6/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.18	−13 13.5	1.523	2.274	19.8	22.1
2 21	12 27.01	−13 32.0	1.440	2.281	16.5	21.9
3 2	12 20.93	−13 25.9	1.375	2.287	12.6	21.6
3 12	12 12.55	−12 54.7	1.332	2.292	8.3	21.4
3 22	12 2.90	−12 1.0	1.313	2.298	4.9	21.2
4 1	11 53.29	−10 51.5	1.321	2.304	5.9	21.3
4 11	11 45.05	− 9 35.9	1.354	2.309	9.8	21.5
4 21	11 39.12	− 8 24.0	1.411	2.315	14.0	21.8

239223 2006 SR_{11} 3 21.4 191°.11 2°.3/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 27.78	+ 6 49.9	3.100	3.880	10.0	21.4
2 21	12 23.41	+ 7 23.9	3.005	3.878	7.8	21.3
3 2	12 17.54	+ 8 2.4	2.935	3.876	5.3	21.1
3 12	12 10.58	+ 8 41.7	2.895	3.873	3.0	21.0
3 22	12 3.04	+ 9 18.1	2.884	3.870	2.5	20.9
4 1	11 55.53	+ 9 47.9	2.905	3.866	4.7	21.1
4 11	11 48.65	+10 8.1	2.954	3.861	7.2	21.2
4 21	11 42.88	+10 17.1	3.030	3.856	9.6	21.4

489587 2007 TC_{126} 3 21.4 117°.63 0°.5/22.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.13	− 4 59.5	2.496	3.255	12.7	22.4
2 21	12 22.45	− 4 32.8	2.410	3.267	10.1	22.2
3 2	12 17.03	− 3 53.2	2.348	3.278	7.0	22.1
3 12	12 10.36	− 3 3.6	2.312	3.290	3.6	21.9
3 22	12 3.06	− 2 8.2	2.305	3.301	0.5	21.6
4 1	11 55.84	− 1 11.9	2.328	3.312	3.6	21.9
4 11	11 49.42	− 0 19.7	2.380	3.323	6.9	22.1
4 21	11 44.33	+ 0 24.2	2.459	3.333	9.9	22.3

245090 2004 PB_{9} 3 21.4 223°.71 1°.9/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.66	+ 0 46.9	1.826	2.615	15.6	21.6
2 21	12 26.93	+ 1 33.7	1.728	2.606	12.3	21.4
3 2	12 20.67	+ 2 35.3	1.652	2.595	8.4	21.1
3 12	12 12.38	+ 3 46.7	1.602	2.585	4.1	20.9
3 22	12 2.92	+ 5 0.7	1.579	2.573	2.2	20.7
4 1	11 53.37	+ 6 8.9	1.586	2.561	6.2	20.9
4 11	11 44.86	+ 7 4.1	1.619	2.548	10.6	21.1
4 21	11 38.27	+ 7 41.5	1.676	2.534	14.6	21.4

297543 2001 QT_{26} 3 21.4 275°.51 0°.5/21.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.23	− 3 20.9	1.552	2.344	17.7	21.2
2 21	12 25.71	− 2 45.2	1.443	2.320	14.3	20.9
3 2	12 20.29	− 1 47.8	1.353	2.295	10.0	20.6
3 12	12 12.41	− 0 32.2	1.288	2.270	5.0	20.2
3 22	12 2.91	+ 0 54.9	1.248	2.244	0.7	19.9
4 1	11 53.06	+ 2 23.7	1.236	2.218	6.3	20.2
4 11	11 44.25	+ 3 43.3	1.248	2.192	11.7	20.4
4 21	11 37.63	+ 4 45.2	1.284	2.165	16.7	20.6

105919 2000 SR_{209} 3 21.4 168°.10 4°.5/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.32	+14 45.9	2.715	3.508	10.9	20.2
2 21	12 25.59	+15 24.2	2.635	3.511	8.6	20.0
3 2	12 19.10	+16 2.6	2.579	3.513	6.3	19.9
3 12	12 11.37	+16 36.0	2.552	3.515	4.7	19.8
3 22	12 3.01	+16 59.8	2.554	3.516	4.9	19.8
4 1	11 54.76	+17 10.4	2.585	3.518	6.8	19.9
4 11	11 47.33	+17 5.7	2.643	3.519	9.2	20.1
4 21	11 41.26	+16 45.9	2.726	3.520	11.4	20.2

211216 2002 PA_{63} 3 21.4 282°.42 0°.6/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.80	− 3 57.3	1.671	2.455	17.0	20.9
2 21	12 25.88	− 3 48.7	1.563	2.434	13.8	20.6
3 2	12 20.22	− 3 22.7	1.476	2.414	9.8	20.3
3 12	12 12.30	− 2 41.6	1.413	2.393	5.1	20.0
3 22	12 2.93	− 1 50.0	1.376	2.373	0.6	19.6
4 1	11 53.31	− 0 55.0	1.367	2.352	5.4	19.9
4 11	11 44.70	− 0 4.5	1.383	2.331	10.4	20.1
4 21	11 38.14	+ 0 34.7	1.423	2.310	14.9	20.3

436653 2011 RV_{11} 3 21.4 182°.49 0°.7/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.81	− 6 25.4	2.717	3.469	11.9	21.4
2 21	12 20.58	− 5 52.5	2.618	3.469	9.6	21.2
3 2	12 15.76	− 5 6.1	2.542	3.469	6.7	21.0
3 12	12 9.76	− 4 9.0	2.493	3.469	3.6	20.8
3 22	12 3.12	− 3 4.8	2.473	3.469	0.7	20.6
4 1	11 56.50	− 1 58.4	2.484	3.468	3.3	20.8
4 11	11 50.55	− 0 55.1	2.524	3.467	6.5	21.0
4 21	11 45.77	+ 0 0.7	2.590	3.466	9.4	21.2

93301 2000 SE_{206} 3 21.4 102°.14 1°.0/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.53	+ 0 4.7	1.901	2.689	15.1	20.0
2 21	12 25.00	+ 0 28.6	1.815	2.691	11.9	19.8
3 2	12 19.15	+ 1 5.0	1.751	2.693	8.1	19.5
3 12	12 11.55	+ 1 49.6	1.712	2.695	3.9	19.3
3 22	12 3.02	+ 2 36.9	1.701	2.696	1.2	19.1
4 1	11 54.54	+ 3 20.7	1.718	2.698	5.2	19.4
4 11	11 47.11	+ 3 55.2	1.763	2.700	9.3	19.6
4 21	11 41.47	+ 4 16.7	1.831	2.701	13.0	19.8

463752 2014 RJ_{32} 3 21.4 137°.43 0°.1/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.04	− 3 45.6	1.970	2.738	15.3	22.7
2 21	12 26.79	− 3 16.3	1.888	2.751	12.2	22.5
3 2	12 20.27	− 2 31.8	1.828	2.763	8.4	22.3
3 12	12 12.06	− 1 35.6	1.794	2.774	4.2	22.1
3 22	12 2.99	− 0 33.4	1.788	2.785	0.2	21.7
4 1	11 54.05	+ 0 28.2	1.812	2.795	4.6	22.1
4 11	11 46.20	+ 1 22.7	1.863	2.804	8.7	22.4
4 21	11 40.14	+ 2 5.4	1.940	2.812	12.3	22.6

375391 2008 SK_{224} 3 21.4 91°.55 2°.5/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 33.49	+ 6 17.6	2.102	2.890	13.8	21.1
2 21	12 28.47	+ 6 31.3	2.027	2.903	10.8	20.9
3 2	12 21.26	+ 6 50.6	1.975	2.917	7.4	20.7
3 12	12 12.49	+ 7 10.7	1.950	2.931	3.9	20.5
3 22	12 2.97	+ 7 27.2	1.954	2.944	2.7	20.5
4 1	11 53.65	+ 7 35.7	1.988	2.957	5.7	20.7
4 11	11 45.45	+ 7 33.3	2.049	2.971	9.2	20.9
4 21	11 39.00	+ 7 18.7	2.135	2.984	12.2	21.2

37923 1998 FD_{113} 3 21.4 243°.97 5°.1/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.84	−22 14.2	2.703	3.365	13.9	18.8
2 21	12 20.83	−22 7.5	2.586	3.356	12.1	18.6
3 2	12 16.07	−21 39.8	2.490	3.347	9.9	18.4
3 12	12 9.98	−20 50.5	2.416	3.337	7.5	18.3
3 22	12 3.12	−19 40.6	2.369	3.327	5.6	18.1
4 1	11 56.22	−18 13.9	2.351	3.317	5.3	18.1
4 11	11 50.00	−16 36.6	2.362	3.307	6.8	18.2
4 21	11 45.06	−14 55.6	2.401	3.297	9.3	18.3

502371 2015 BU_{240} 3 21.4 280°.20 5°.9/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.57	+11 1.2	1.972	2.787	13.6	21.2
2 21	12 22.86	+12 38.5	1.873	2.765	10.8	20.9
3 2	12 17.86	+14 25.2	1.800	2.743	7.9	20.7
3 12	12 11.01	+16 12.4	1.752	2.720	6.0	20.6
3 22	12 3.07	+17 50.6	1.733	2.697	6.7	20.6
4 1	11 54.97	+19 10.4	1.741	2.674	9.6	20.7
4 11	11 47.75	+20 5.8	1.774	2.650	12.9	20.8
4 21	11 42.23	+20 34.2	1.828	2.627	16.0	21.0

951 Gaspra 3 21.4 148°.90 2°.5/23.6 18 A

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.27	− 9 43.7	1.776	2.526	17.4	15.6
2 21	12 28.14	− 9 34.8	1.690	2.536	14.2	15.4
3 2	12 21.42	− 9 5.2	1.624	2.544	10.4	15.2
3 12	12 12.73	− 8 16.5	1.582	2.553	6.1	15.0
3 22	12 2.97	− 7 12.9	1.568	2.560	2.6	14.8
4 1	11 53.29	− 6 1.5	1.581	2.567	4.7	14.9
4 11	11 44.83	− 4 50.6	1.623	2.573	9.0	15.2
4 21	11 38.41	− 3 47.7	1.689	2.578	12.9	15.4

329829 2004 RE_{292} 3 21.4 233°.69 2°.1/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.17	−10 47.9	2.523	3.251	13.3	21.7
2 21	12 23.52	−10 25.4	2.404	3.236	11.0	21.5
3 2	12 17.98	− 9 45.9	2.308	3.221	8.1	21.3
3 12	12 10.97	− 8 50.3	2.237	3.204	4.9	21.1
3 22	12 3.08	− 7 42.0	2.196	3.187	2.2	20.9
4 1	11 55.08	− 6 25.8	2.185	3.169	3.7	21.0
4 11	11 47.76	− 5 8.0	2.203	3.151	7.1	21.1
4 21	11 41.78	− 3 54.9	2.248	3.132	10.4	21.3

173742 2001 QJ_{328} 3 21.4 180°.79 3°.7/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.98	+11 53.1	3.147	3.940	9.6	21.0
2 21	12 22.02	+12 57.3	3.063	3.941	7.5	20.8
3 2	12 16.61	+14 4.2	3.005	3.942	5.4	20.7
3 12	12 10.15	+15 9.0	2.976	3.942	3.9	20.6
3 22	12 3.15	+16 6.8	2.977	3.941	4.2	20.6
4 1	11 56.18	+16 53.6	3.008	3.940	6.0	20.7
4 11	11 49.83	+17 26.4	3.067	3.939	8.1	20.9
4 21	11 44.55	+17 44.2	3.150	3.936	10.2	21.0

412262 2013 HY_{107} 3 21.4 223°.28 0°.4/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.13	− 2 22.3	1.992	2.766	15.0	22.9
2 21	12 26.31	− 1 50.3	1.889	2.756	11.9	22.7
3 2	12 20.14	− 1 3.1	1.808	2.746	8.3	22.5
3 12	12 12.12	− 0 4.3	1.753	2.735	4.1	22.2
3 22	12 3.01	+ 1 0.7	1.727	2.723	0.6	21.9
4 1	11 53.81	+ 2 4.9	1.730	2.711	5.0	22.2
4 11	11 45.55	+ 3 1.4	1.760	2.698	9.3	22.4
4 21	11 39.03	+ 3 45.0	1.815	2.684	13.1	22.6

483004 2014 SB_{15} 3 21.4 122°.17 0°.5/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.83	− 3 9.2	1.812	2.592	16.0	21.5
2 21	12 25.27	− 2 22.6	1.733	2.604	12.6	21.3
3 2	12 19.34	− 1 19.0	1.676	2.615	8.6	21.1
3 12	12 11.65	− 0 3.2	1.644	2.626	4.2	20.9
3 22	12 3.06	+ 1 17.7	1.641	2.637	0.8	20.6
4 1	11 54.61	+ 2 35.6	1.666	2.647	5.2	21.0
4 11	11 47.30	+ 3 42.8	1.718	2.656	9.4	21.2
4 21	11 41.86	+ 4 34.3	1.794	2.666	13.2	21.5

73359 2002 KN_{2} 3 21.4 201°.57 0°.6/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.69	− 6 0.9	1.971	2.735	15.4	20.5
2 21	12 25.16	− 5 26.8	1.872	2.732	12.4	20.3
3 2	12 19.32	− 4 34.4	1.796	2.728	8.7	20.0
3 12	12 11.69	− 3 26.8	1.745	2.723	4.6	19.8
3 22	12 3.05	− 2 9.4	1.722	2.718	0.6	19.5
4 1	11 54.38	− 0 49.5	1.728	2.713	4.6	19.8
4 11	11 46.68	+ 0 25.0	1.762	2.706	8.8	20.0
4 21	11 40.72	+ 1 27.7	1.822	2.700	12.7	20.2

10978 Bärbchen 3 21.4 267°.15 0°.3/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 23.10	− 4 0.8	2.430	3.200	12.7	19.5
2 21	12 20.33	− 3 6.4	2.322	3.188	10.1	19.3
3 2	12 15.78	− 1 56.7	2.238	3.175	6.9	19.1
3 12	12 9.86	− 0 35.3	2.181	3.162	3.4	18.8
3 22	12 3.17	+ 0 52.5	2.153	3.149	0.5	18.6
4 1	11 56.42	+ 2 20.2	2.156	3.136	4.2	18.8
4 11	11 50.36	+ 3 41.0	2.187	3.123	7.8	19.0
4 21	11 45.60	+ 4 49.8	2.243	3.110	11.1	19.2

59172 1999 AE_3 3 21.4 114°.81 5°.4/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.05	+ 9 20.3	1.851	2.665	14.4	20.0
2 21	12 23.85	+11 0.0	1.783	2.675	11.2	19.8
3 2	12 18.35	+12 47.5	1.739	2.684	7.9	19.6
3 12	12 11.15	+14 33.6	1.721	2.692	5.6	19.5
3 22	12 3.09	+16 8.5	1.732	2.701	6.1	19.5
4 1	11 55.18	+17 23.9	1.770	2.709	8.9	19.7
4 11	11 48.38	+18 14.7	1.833	2.717	12.1	19.9
4 21	11 43.39	+18 39.9	1.917	2.725	15.0	20.1

258291 2001 UX_{79} 3 21.4 79°.65 1°.6/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.57	+ 1 5.2	1.790	2.581	15.8	20.8
2 21	12 26.51	+ 1 39.1	1.724	2.602	12.3	20.6
3 2	12 20.09	+ 2 24.9	1.679	2.623	8.3	20.4
3 12	12 11.96	+ 3 17.4	1.661	2.644	4.0	20.2
3 22	12 3.05	+ 4 10.0	1.670	2.664	1.8	20.1
4 1	11 54.40	+ 4 56.1	1.707	2.684	5.6	20.4
4 11	11 46.99	+ 5 30.4	1.771	2.704	9.6	20.6
4 21	11 41.49	+ 5 49.7	1.859	2.724	13.1	20.9

462109 2007 RW_{33} 3 21.4 129°.01 0°.3/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.98	− 4 40.1	1.926	2.693	15.7	22.7
2 21	12 26.79	− 4 8.3	1.846	2.708	12.5	22.5
3 2	12 20.29	− 3 20.2	1.788	2.722	8.7	22.3
3 12	12 12.09	− 2 19.4	1.756	2.736	4.4	22.1
3 22	12 3.04	− 1 11.7	1.753	2.749	0.3	21.8
4 1	11 54.14	− 0 4.1	1.778	2.761	4.6	22.2
4 11	11 46.36	+ 0 56.4	1.831	2.773	8.7	22.4
4 21	11 40.42	+ 1 44.7	1.910	2.784	12.3	22.7

352423 2007 YJ_{43} 3 21.4 12°.52 1°.5/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.93	+ 1 34.8	2.048	2.844	13.9	20.9
2 21	12 21.98	+ 2 5.7	1.964	2.846	10.9	20.7
3 2	12 16.99	+ 2 47.3	1.903	2.848	7.4	20.5
3 12	12 10.46	+ 3 35.2	1.868	2.851	3.6	20.3
3 22	12 3.14	+ 4 23.8	1.860	2.854	1.8	20.1
4 1	11 55.88	+ 5 7.3	1.881	2.858	5.2	20.4
4 11	11 49.56	+ 5 40.6	1.928	2.862	8.9	20.6
4 21	11 44.80	+ 6 0.4	2.000	2.866	12.2	20.8

140372 2001 TW_{32} 3 21.4 215°.59 0°.8/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.74	+ 1 2.0	2.592	3.364	11.9	20.3
2 21	12 24.53	+ 1 14.6	2.492	3.360	9.4	20.1
3 2	12 18.53	+ 1 35.3	2.417	3.355	6.4	19.9
3 12	12 11.18	+ 2 1.2	2.368	3.350	3.1	19.7
3 22	12 3.10	+ 2 28.7	2.349	3.345	0.9	19.5
4 1	11 55.01	+ 2 53.9	2.361	3.339	4.1	19.8
4 11	11 47.66	+ 3 13.0	2.401	3.334	7.4	20.0
4 21	11 41.63	+ 3 23.4	2.467	3.328	10.4	20.1

389755 2011 SO_{178} 3 21.4 197°.24 0°.7/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.61	− 4 22.9	2.747	3.501	11.8	21.8
2 21	12 22.77	− 4 14.2	2.646	3.499	9.4	21.7
3 2	12 17.28	− 3 54.9	2.568	3.497	6.6	21.5
3 12	12 10.55	− 3 26.9	2.518	3.495	3.5	21.3
3 22	12 3.15	− 2 53.1	2.497	3.493	0.7	21.0
4 1	11 55.76	− 2 17.4	2.506	3.490	3.4	21.2
4 11	11 49.03	− 1 43.9	2.544	3.487	6.5	21.4
4 21	11 43.51	− 1 16.0	2.609	3.484	9.4	21.6

425654 2010 WV_{56} 3 21.4 177°.47 5°.0/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.37	+12 3.9	2.247	3.045	12.7	22.3
2 21	12 26.85	+13 11.3	2.167	3.048	10.0	22.1
3 2	12 20.23	+14 22.5	2.111	3.050	7.2	22.0
3 12	12 12.05	+15 30.5	2.084	3.051	5.2	21.8
3 22	12 3.06	+16 28.4	2.084	3.051	5.5	21.9
4 1	11 54.16	+17 10.3	2.114	3.051	7.9	22.0
4 11	11 46.22	+17 32.8	2.170	3.050	10.7	22.2
4 21	11 39.91	+17 35.2	2.250	3.048	13.4	22.4

306622 2000 QU_{58} 3 21.4 142°.95 1°.0/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.11	+ 0 31.8	2.625	3.392	11.9	22.2
2 21	12 25.43	+ 1 5.9	2.542	3.406	9.3	22.0
3 2	12 19.02	+ 1 48.9	2.482	3.420	6.3	21.8
3 12	12 11.38	+ 2 37.4	2.451	3.433	3.0	21.6
3 22	12 3.11	+ 3 26.8	2.450	3.445	1.2	21.5
4 1	11 54.96	+ 4 12.6	2.480	3.456	4.2	21.7
4 11	11 47.62	+ 4 50.6	2.540	3.467	7.3	22.0
4 21	11 41.63	+ 5 18.0	2.625	3.477	10.1	22.2

203340 2001 UU_{66} 3 21.4 200°.35 1°.3/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 31.15	− 6 52.4	1.855	2.616	16.4	21.0
2 21	12 27.28	− 6 36.4	1.758	2.613	13.3	20.8
3 2	12 20.90	− 6 1.9	1.681	2.609	9.5	20.5
3 12	12 12.54	− 5 11.1	1.628	2.604	5.2	20.3
3 22	12 3.03	− 4 8.5	1.604	2.599	1.4	20.0
4 1	11 53.47	− 3 0.9	1.608	2.593	4.7	20.2
4 11	11 44.97	− 1 56.2	1.639	2.586	9.1	20.4
4 21	11 38.37	− 1 1.1	1.696	2.579	13.2	20.7

353777 2012 HS_{74} 3 21.4 67°.31 7°.7/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.56	+17 29.1	1.691	2.508	15.5	20.2
2 21	12 28.37	+18 36.1	1.632	2.518	12.4	20.0
3 2	12 21.52	+19 41.7	1.595	2.528	9.5	19.9
3 12	12 12.72	+20 36.1	1.583	2.538	7.8	19.8
3 22	12 3.03	+21 11.2	1.597	2.549	8.4	19.8
4 1	11 53.65	+21 21.3	1.636	2.559	10.7	20.0
4 11	11 45.69	+21 5.0	1.699	2.570	13.6	20.2
4 21	11 39.90	+20 24.6	1.783	2.580	16.4	20.4

32445 2000 RC_{104} 3 21.4 296°.32 7°.1/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.74	−18 39.7	1.845	2.555	18.2	17.7
2 21	12 24.96	−19 29.0	1.736	2.539	15.8	17.5
3 2	12 19.57	−19 56.9	1.644	2.523	12.9	17.2
3 12	12 12.01	−20 0.2	1.575	2.508	9.9	17.0
3 22	12 3.06	−19 37.6	1.529	2.492	7.5	16.8
4 1	11 53.82	−18 51.5	1.509	2.477	7.4	16.8
4 11	11 45.53	−17 48.5	1.514	2.461	9.7	16.9
4 21	11 39.17	−16 37.2	1.544	2.446	13.1	17.0

180993 2005 NQ_{20} 3 21.4 270°.69 1°.4/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.35	− 5 35.3	1.879	2.645	16.0	20.6
2 21	12 26.83	− 5 36.8	1.765	2.623	13.1	20.3
3 2	12 20.76	− 5 22.3	1.671	2.601	9.4	20.0
3 12	12 12.57	− 4 53.2	1.603	2.579	5.2	19.7
3 22	12 3.03	− 4 12.9	1.561	2.556	1.4	19.4
4 1	11 53.20	− 3 26.6	1.548	2.533	4.8	19.6
4 11	11 44.27	− 2 41.4	1.561	2.510	9.4	19.8
4 21	11 37.19	− 2 3.4	1.600	2.486	13.6	20.0

388300 2006 SL_{146} 3 21.4 65°.98 0°.3/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.22	− 4 10.2	2.246	3.016	13.6	21.5
2 21	12 21.95	− 3 42.5	2.166	3.030	10.8	21.4
3 2	12 16.82	− 3 1.2	2.109	3.044	7.5	21.2
3 12	12 10.33	− 2 9.9	2.079	3.058	3.8	21.0
3 22	12 3.18	− 1 13.0	2.076	3.072	0.3	20.7
4 1	11 56.14	− 0 16.1	2.103	3.087	3.9	21.0
4 11	11 49.99	+ 0 35.1	2.158	3.101	7.5	21.3
4 21	11 45.28	+ 1 16.6	2.238	3.115	10.7	21.5

422735 2001 RN_{88} 3 21.4 150°.97 1°.2/20.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 33.81	+ 2 12.8	2.446	3.214	12.7	22.1
2 21	12 28.48	+ 2 30.4	2.360	3.225	10.0	22.0
3 2	12 21.19	+ 2 55.8	2.298	3.235	6.8	21.8
3 12	12 12.49	+ 3 25.4	2.264	3.245	3.3	21.6
3 22	12 3.07	+ 3 55.3	2.260	3.254	1.4	21.4
4 1	11 53.76	+ 4 21.1	2.286	3.262	4.5	21.7
4 11	11 45.37	+ 4 39.1	2.342	3.269	7.9	21.9
4 21	11 38.50	+ 4 47.0	2.424	3.276	10.9	22.1

415843 2001 SM_{18} 3 21.4 108°.76 0°.8/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 35.40	+ 1 4.3	2.008	2.781	14.9	21.2
2 21	12 30.09	+ 1 6.9	1.931	2.798	11.7	21.0
3 2	12 22.46	+ 1 18.9	1.877	2.815	8.0	20.8
3 12	12 13.15	+ 1 36.8	1.850	2.831	3.9	20.6
3 22	12 3.03	+ 1 56.4	1.851	2.847	0.9	20.4
4 1	11 53.11	+ 2 13.3	1.883	2.863	4.8	20.7
4 11	11 44.38	+ 2 23.2	1.942	2.878	8.7	20.9
4 21	11 37.51	+ 2 23.6	2.027	2.892	12.1	21.2

86821 2000 GV_{138} 3 21.4 236°.20 4°.4/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.45	+ 6 35.6	1.695	2.503	15.8	20.3
2 21	12 27.02	+ 7 44.3	1.604	2.492	12.4	20.1
3 2	12 20.88	+ 9 5.1	1.534	2.481	8.6	19.8
3 12	12 12.60	+10 29.9	1.491	2.469	5.2	19.6
3 22	12 3.06	+11 49.4	1.474	2.457	5.0	19.5
4 1	11 53.44	+12 54.1	1.485	2.444	8.5	19.7
4 11	11 44.96	+13 37.4	1.522	2.430	12.6	19.9
4 21	11 38.55	+13 56.2	1.579	2.416	16.4	20.1

386526 2009 BD_{183} 3 21.4 219°.01 4°.4/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.85	+ 9 55.8	2.292	3.100	12.2	20.7
2 21	12 21.73	+11 8.3	2.212	3.100	9.5	20.5
3 2	12 16.73	+12 26.4	2.156	3.099	6.7	20.3
3 12	12 10.34	+13 43.5	2.127	3.099	4.6	20.2
3 22	12 3.20	+14 52.7	2.127	3.098	4.9	20.2
4 1	11 56.12	+15 48.0	2.155	3.098	7.3	20.4
4 11	11 49.88	+16 25.3	2.209	3.097	10.2	20.5
4 21	11 45.07	+16 42.9	2.286	3.097	12.8	20.7

172733 2004 BR_{122} 3 21.4 12°.35 0°.3/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 26.62	− 3 10.1	2.108	2.883	14.2	20.8
2 21	12 23.30	− 2 59.3	2.017	2.883	11.3	20.6
3 2	12 17.91	− 2 35.6	1.948	2.884	7.9	20.4
3 12	12 10.96	− 2 1.7	1.905	2.885	4.0	20.2
3 22	12 3.17	− 1 21.8	1.890	2.887	0.3	19.9
4 1	11 55.41	− 0 41.1	1.904	2.888	4.2	20.2
4 11	11 48.55	− 0 4.9	1.945	2.890	8.1	20.4
4 21	11 43.26	+ 0 22.6	2.011	2.892	11.5	20.6

399637 2004 PQ_{68} 3 21.4 161°.84 1°.0/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.92	− 1 56.9	2.124	2.894	14.3	22.5
2 21	12 26.59	− 0 59.9	2.037	2.903	11.3	22.3
3 2	12 20.11	+ 0 12.0	1.972	2.910	7.7	22.0
3 12	12 12.03	+ 1 33.8	1.935	2.917	3.7	21.8
3 22	12 3.11	+ 2 59.0	1.928	2.923	1.2	21.6
4 1	11 54.27	+ 4 20.1	1.951	2.928	5.0	21.9
4 11	11 46.41	+ 5 30.4	2.002	2.931	8.9	22.1
4 21	11 40.22	+ 6 25.3	2.079	2.934	12.3	22.4

232976 2005 ET_{102} 3 21.4 98°.11 2°.7/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.05	+ 4 3.5	2.080	2.879	13.6	20.7
2 21	12 22.82	+ 5 0.4	2.000	2.884	10.6	20.5
3 2	12 17.55	+ 6 7.2	1.943	2.889	7.1	20.3
3 12	12 10.76	+ 7 18.1	1.913	2.894	3.8	20.1
3 22	12 3.19	+ 8 26.3	1.911	2.899	3.1	20.0
4 1	11 55.71	+ 9 25.2	1.938	2.904	6.1	20.2
4 11	11 49.17	+10 9.5	1.991	2.909	9.6	20.4
4 21	11 44.21	+10 36.5	2.068	2.914	12.7	20.7

1311 Knopfia 3 21.4 48°.86 1°.8/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.99	− 7 27.3	1.571	2.348	18.2	16.2
2 21	12 25.14	− 7 20.1	1.488	2.352	14.8	15.9
3 2	12 19.59	− 6 52.1	1.424	2.356	10.6	15.7
3 12	12 11.93	− 6 5.6	1.384	2.359	5.9	15.4
3 22	12 3.12	− 5 5.4	1.369	2.363	1.9	15.2
4 1	11 54.36	− 3 59.1	1.381	2.367	5.0	15.4
4 11	11 46.85	− 2 55.8	1.418	2.371	9.7	15.7
4 21	11 41.48	− 2 2.6	1.480	2.376	13.9	15.9

159430 1999 UL_{50} 3 21.4 161°.12 0°.9/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.14	− 0 52.0	2.445	3.218	12.6	21.1
2 21	12 23.35	− 0 9.4	2.355	3.223	9.9	20.9
3 2	12 17.75	+ 0 44.7	2.289	3.228	6.7	20.7
3 12	12 10.82	+ 1 46.2	2.250	3.232	3.2	20.5
3 22	12 3.19	+ 2 50.2	2.241	3.236	1.1	20.4
4 1	11 55.62	+ 3 51.1	2.262	3.240	4.4	20.6
4 11	11 48.85	+ 4 43.7	2.312	3.243	7.8	20.8
4 21	11 43.44	+ 5 24.4	2.387	3.245	10.8	21.0

53308 1999 HJ_{8} 3 21.4 321°.43 3°.4/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.39	− 8 17.6	1.551	2.327	18.5	17.6
2 21	12 25.02	− 8 49.4	1.449	2.310	15.3	17.4
3 2	12 19.80	− 9 3.4	1.367	2.293	11.4	17.1
3 12	12 12.21	− 8 58.9	1.306	2.277	7.1	16.8
3 22	12 3.11	− 8 37.7	1.270	2.261	3.5	16.5
4 1	11 53.75	− 8 4.5	1.260	2.246	5.5	16.6
4 11	11 45.49	− 7 26.6	1.276	2.232	10.1	16.8
4 21	11 39.40	− 6 51.4	1.313	2.219	14.7	17.0

502979 2015 FO_{56} 3 21.4 129°.25 5°.7/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.57	−19 42.7	2.278	2.961	15.8	22.0
2 21	12 24.81	−20 6.2	2.184	2.970	13.5	21.8
3 2	12 18.95	−20 9.1	2.110	2.979	10.9	21.7
3 12	12 11.49	−19 50.2	2.059	2.987	8.2	21.5
3 22	12 3.17	−19 10.4	2.033	2.995	6.1	21.4
4 1	11 54.86	−18 13.2	2.036	3.003	5.9	21.4
4 11	11 47.47	−17 4.9	2.066	3.010	7.7	21.5
4 21	11 41.67	−15 52.7	2.122	3.017	10.4	21.7

410076 2007 DH_{2} 3 21.4 31°.41 3°.0/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.85	+ 5 7.2	1.291	2.113	19.0	20.0
2 21	12 27.62	+ 5 21.7	1.234	2.130	14.8	19.8
3 2	12 21.29	+ 5 46.1	1.197	2.147	10.0	19.6
3 12	12 12.71	+ 6 13.6	1.183	2.166	5.1	19.4
3 22	12 3.10	+ 6 36.9	1.193	2.185	3.3	19.3
4 1	11 53.89	+ 6 49.3	1.230	2.206	7.4	19.6
4 11	11 46.38	+ 6 46.2	1.290	2.227	12.0	19.9
4 21	11 41.38	+ 6 26.5	1.371	2.249	16.0	20.2

139981 2001 ST_{25} 3 21.4 216°.97 0°.1/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.51	− 3 56.6	2.524	3.289	12.4	20.8
2 21	12 21.33	− 3 15.4	2.423	3.285	9.9	20.6
3 2	12 16.41	− 2 20.8	2.345	3.280	6.8	20.4
3 12	12 10.19	− 1 15.9	2.295	3.275	3.4	20.2
3 22	12 3.25	− 0 5.3	2.273	3.270	0.2	19.9
4 1	11 56.30	+ 1 5.2	2.282	3.264	3.9	20.2
4 11	11 50.05	+ 2 10.1	2.320	3.258	7.3	20.4
4 21	11 45.08	+ 3 4.9	2.383	3.252	10.4	20.6

171879 2001 QQ_{263} 3 21.4 101°.50 3°.2/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 28.52	−12 10.1	2.496	3.216	13.7	19.9
2 21	12 24.42	−12 23.9	2.408	3.230	11.3	19.8
3 2	12 18.48	−12 22.5	2.341	3.244	8.5	19.6
3 12	12 11.19	−12 6.5	2.300	3.257	5.6	19.4
3 22	12 3.20	−11 37.9	2.287	3.270	3.3	19.3
4 1	11 55.27	−11 0.2	2.303	3.283	4.0	19.4
4 11	11 48.18	−10 18.2	2.348	3.296	6.7	19.5
4 21	11 42.49	− 9 37.0	2.419	3.309	9.5	19.7

10077 1989 UL_{1} 3 21.4 199°.12 4°.1/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.14	+ 9 13.8	2.044	2.842	13.8	17.7
2 21	12 27.72	+ 9 56.1	1.958	2.840	10.9	17.5
3 2	12 21.00	+10 43.9	1.895	2.837	7.6	17.3
3 12	12 12.53	+11 30.9	1.859	2.834	4.7	17.1
3 22	12 3.12	+12 10.6	1.851	2.831	4.5	17.1
4 1	11 53.78	+12 37.4	1.871	2.827	7.3	17.2
4 11	11 45.47	+12 47.4	1.918	2.823	10.6	17.4
4 21	11 38.95	+12 39.5	1.989	2.818	13.8	17.6

313831 2004 CW_{22} 3 21.4 99°.80 1°.3/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.75	+ 0 18.3	1.781	2.568	16.0	21.1
2 21	12 27.53	+ 0 50.0	1.710	2.586	12.5	20.9
3 2	12 20.87	+ 1 34.5	1.661	2.603	8.5	20.7
3 12	12 12.43	+ 2 26.8	1.638	2.620	4.1	20.4
3 22	12 3.13	+ 3 20.4	1.642	2.637	1.5	20.3
4 1	11 54.07	+ 4 8.6	1.675	2.653	5.5	20.6
4 11	11 46.25	+ 4 45.6	1.735	2.670	9.6	20.9
4 21	11 40.40	+ 5 7.9	1.819	2.685	13.2	21.1

489286 2006 SM_{188} 3 21.4 137°.04 1°.4/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.95	+ 3 17.0	2.733	3.508	11.3	21.8
2 21	12 24.50	+ 3 37.4	2.647	3.517	8.8	21.6
3 2	12 18.40	+ 4 4.4	2.586	3.526	6.0	21.5
3 12	12 11.10	+ 4 34.4	2.553	3.535	2.9	21.3
3 22	12 3.22	+ 5 3.8	2.550	3.543	1.6	21.2
4 1	11 55.41	+ 5 28.7	2.578	3.551	4.3	21.4
4 11	11 48.37	+ 5 46.0	2.634	3.559	7.2	21.6
4 21	11 42.60	+ 5 53.6	2.716	3.566	9.9	21.8

508502 2016 QA_{16} 3 21.4 298°.61 5°.4/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.07	−17 57.5	2.341	3.038	15.1	21.2
2 21	12 22.92	−18 27.4	2.232	3.029	12.9	21.0
3 2	12 17.73	−18 38.8	2.143	3.020	10.4	20.8
3 12	12 10.95	−18 30.5	2.077	3.011	7.8	20.6
3 22	12 3.21	−18 2.9	2.037	3.003	5.7	20.5
4 1	11 55.36	−17 18.8	2.025	2.994	5.7	20.5
4 11	11 48.28	−16 23.4	2.040	2.986	7.7	20.6
4 21	11 42.67	−15 23.2	2.081	2.978	10.4	20.7

369007 2007 JU_{28} 3 21.4 169°.24 2°.5/18.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.06	+ 4 52.4	2.299	3.087	12.8	21.7
2 21	12 24.99	+ 5 33.3	2.212	3.090	10.0	21.5
3 2	12 18.95	+ 6 22.0	2.150	3.093	6.8	21.3
3 12	12 11.45	+ 7 13.6	2.114	3.095	3.6	21.1
3 22	12 3.19	+ 8 2.7	2.108	3.097	2.8	21.1
4 1	11 55.00	+ 8 43.8	2.131	3.098	5.6	21.3
4 11	11 47.68	+ 9 12.7	2.182	3.099	8.9	21.5
4 21	11 41.88	+ 9 27.1	2.257	3.100	11.9	21.6

196711 2003 SS_{97} 3 21.4 117°.05 0°.6/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.80	− 1 18.8	2.110	2.889	14.1	21.2
2 21	12 24.18	− 0 52.3	2.024	2.895	11.1	21.0
3 2	12 18.48	− 0 13.5	1.961	2.901	7.6	20.8
3 12	12 11.25	+ 0 34.0	1.925	2.907	3.7	20.6
3 22	12 3.21	+ 1 25.0	1.916	2.912	0.7	20.4
4 1	11 55.24	+ 2 13.9	1.937	2.918	4.6	20.7
4 11	11 48.22	+ 2 55.2	1.985	2.923	8.4	20.9
4 21	11 42.80	+ 3 24.9	2.058	2.928	11.8	21.1

37953 1998 HX_{46} 3 21.4 205°.33 0°.5/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.05	− 2 53.4	1.994	2.775	14.7	19.7
2 21	12 23.01	− 2 13.1	1.902	2.774	11.7	19.5
3 2	12 17.81	− 1 17.2	1.833	2.773	8.0	19.3
3 12	12 10.97	− 0 9.7	1.790	2.771	3.9	19.0
3 22	12 3.22	+ 1 3.4	1.774	2.770	0.6	18.8
4 1	11 55.50	+ 2 15.0	1.787	2.769	4.8	19.1
4 11	11 48.71	+ 3 18.1	1.828	2.767	8.9	19.3
4 21	11 43.57	+ 4 7.6	1.893	2.766	12.5	19.5

389687 2011 QF_{29} 3 21.4 144°.96 1°.1/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.89	− 5 34.4	2.635	3.383	12.4	21.7
2 21	12 23.83	− 5 33.5	2.540	3.388	9.9	21.5
3 2	12 18.04	− 5 21.4	2.468	3.393	7.1	21.3
3 12	12 10.98	− 4 59.7	2.423	3.397	3.9	21.1
3 22	12 3.23	− 4 31.1	2.407	3.401	1.2	20.9
4 1	11 55.52	− 3 59.4	2.421	3.405	3.4	21.1
4 11	11 48.54	− 3 28.6	2.464	3.409	6.6	21.3
4 21	11 42.86	− 3 2.5	2.533	3.413	9.5	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
116794 2004 EK_{43}			3 21.4	266°.34	8°.1/ 9.5	18
	h m	° ′			°	m
2 11	12 28.58	+25 27.7	2.572	3.371	11.3	19.9
2 21	12 24.72	+26 54.5	2.489	3.351	9.6	19.7
3 2	12 18.86	+28 17.3	2.431	3.331	8.4	19.6
3 12	12 11.46	+29 28.1	2.400	3.310	8.1	19.6
3 22	12 3.20	+30 20.3	2.395	3.289	9.0	19.6
4 1	11 54.91	+30 49.1	2.415	3.268	10.6	19.7
4 11	11 47.44	+30 52.5	2.459	3.247	12.6	19.8
4 21	11 41.45	+30 31.5	2.522	3.225	14.5	19.9
122868 2000 SY_{136}			3 21.4	149°.07	1°.9/23.3	17
2 11	12 32.28	− 7 4.6	2.283	3.025	14.2	20.6
2 21	12 27.56	− 7 15.4	2.190	3.032	11.5	20.4
3 2	12 20.75	− 7 12.9	2.120	3.040	8.3	20.2
3 12	12 12.37	− 6 58.4	2.075	3.046	4.8	20.0
3 22	12 3.15	− 6 34.2	2.060	3.053	2.0	19.8
4 1	11 53.97	− 6 4.4	2.074	3.058	3.9	20.0
4 11	11 45.71	− 5 33.9	2.117	3.064	7.4	20.2
4 21	11 39.05	− 5 7.0	2.187	3.069	10.7	20.4
247009 1999 VG_{154}			3 21.4	164°.09	2°.1/19.4	16
2 11	12 28.87	+ 3 24.8	2.063	2.855	13.9	21.2
2 21	12 25.10	+ 3 55.4	1.976	2.856	10.9	21.0
3 2	12 19.17	+ 4 35.3	1.913	2.857	7.4	20.8
3 12	12 11.62	+ 5 19.7	1.875	2.857	3.7	20.6
3 22	12 3.20	+ 6 3.1	1.866	2.858	2.3	20.5
4 1	11 54.84	+ 6 39.8	1.886	2.859	5.6	20.7
4 11	11 47.45	+ 7 5.1	1.932	2.859	9.3	20.9
4 21	11 41.72	+ 7 16.2	2.003	2.860	12.6	21.1
225503 2000 PY_{21}			3 21.4	235°.44	3°.7/17.2	17 R
2 11	12 28.30	+ 7 17.1	2.203	3.001	13.0	21.1
2 21	12 24.65	+ 8 20.7	2.105	2.988	10.2	20.8
3 2	12 18.90	+ 9 32.8	2.032	2.976	7.0	20.6
3 12	12 11.52	+10 47.3	1.985	2.962	4.3	20.4
3 22	12 3.20	+11 57.2	1.968	2.949	4.2	20.4
4 1	11 54.83	+12 55.5	1.980	2.934	7.0	20.5
4 11	11 47.30	+13 37.2	2.018	2.920	10.3	20.7
4 21	11 41.32	+13 59.7	2.080	2.904	13.4	20.9
58237 1993 FR_{66}			3 21.4	137°.51	1°.2/22.8	17
2 11	12 28.84	− 5 28.0	2.475	3.226	13.0	19.9
2 21	12 24.70	− 5 32.0	2.381	3.231	10.5	19.7
3 2	12 18.71	− 5 24.3	2.310	3.235	7.4	19.5
3 12	12 11.34	− 5 6.6	2.265	3.239	4.1	19.3
3 22	12 3.22	− 4 41.6	2.248	3.243	1.3	19.1
4 1	11 55.14	− 4 13.1	2.262	3.247	3.6	19.3
4 11	11 47.85	− 3 45.3	2.305	3.251	6.9	19.5
4 21	11 41.95	− 3 22.1	2.373	3.254	10.0	19.7
258042 2001 KZ_{75}			3 21.4	311°.63	3°.1/18.9	17
2 11	12 27.66	+ 4 7.1	1.488	2.305	17.2	20.3
2 21	12 25.22	+ 4 43.2	1.397	2.290	13.6	20.0
3 2	12 19.89	+ 5 32.4	1.326	2.276	9.3	19.7
3 12	12 12.22	+ 6 28.4	1.278	2.261	4.9	19.4
3 22	12 3.16	+ 7 23.1	1.257	2.248	3.5	19.3
4 1	11 53.98	+ 8 7.7	1.261	2.234	7.7	19.5
4 11	11 46.02	+ 8 34.8	1.289	2.221	12.5	19.7
4 21	11 40.31	+ 8 41.0	1.339	2.209	16.8	19.9
291691 2006 HT_{105}			3 21.4	349°.37	3°.1/23.8	18
2 11	12 19.89	− 9 8.8	1.104	1.917	22.1	20.2
2 21	12 19.89	− 9 16.2	1.024	1.908	18.3	19.9
3 2	12 16.67	− 8 54.5	0.961	1.900	13.5	19.6
3 12	12 10.76	− 8 4.2	0.917	1.893	8.0	19.3
3 22	12 3.24	− 6 50.6	0.894	1.888	3.3	19.0
4 1	11 55.64	− 5 24.1	0.895	1.884	6.1	19.1
4 11	11 49.56	− 3 58.3	0.917	1.882	11.8	19.4
4 21	11 46.11	− 2 45.3	0.959	1.882	17.1	19.7
60907 2000 JL_{30}			3 21.4	98°.74	0°.4/21.8	18
2 11	12 32.04	− 4 3.4	1.508	2.292	18.5	19.2
2 21	12 28.31	− 3 47.1	1.434	2.306	14.8	19.0
3 2	12 21.73	− 3 12.3	1.381	2.319	10.3	18.8
3 12	12 12.98	− 2 22.8	1.351	2.331	5.2	18.5
3 22	12 3.13	− 1 24.8	1.348	2.344	0.4	18.2
4 1	11 53.48	− 0 26.5	1.371	2.356	5.4	18.6
4 11	11 45.27	+ 0 24.0	1.421	2.368	10.2	18.9
4 21	11 39.35	+ 1 1.0	1.494	2.380	14.5	19.2
105960 2000 ST_{257}			3 21.4	254°.33	1°.2/22.9	17
2 11	12 25.13	− 6 58.5	2.578	3.328	12.6	20.4
2 21	12 21.85	− 6 40.8	2.467	3.316	10.2	20.2
3 2	12 16.82	− 6 9.3	2.378	3.303	7.3	20.0
3 12	12 10.44	− 5 25.8	2.316	3.291	4.1	19.8
3 22	12 3.28	− 4 33.6	2.283	3.278	1.2	19.5
4 1	11 56.05	− 3 37.3	2.280	3.265	3.5	19.7
4 11	11 49.49	− 2 42.1	2.305	3.252	6.9	19.9
4 21	11 44.18	− 1 52.7	2.357	3.238	10.0	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
36266 1999 XA_{192}			3 21.4	70°.66	0°.4/21.8	18
	h m	° ′			°	m
2 11	12 31.95	− 2 38.8	1.595	2.380	17.6	18.5
2 21	12 28.12	− 2 39.4	1.519	2.390	14.1	18.3
3 2	12 21.54	− 2 24.9	1.462	2.401	9.8	18.1
3 12	12 12.88	− 1 58.3	1.430	2.411	5.0	17.8
3 22	12 3.14	− 1 24.7	1.425	2.421	0.4	17.5
4 1	11 53.56	− 0 50.4	1.446	2.431	5.2	17.9
4 11	11 45.32	− 0 21.7	1.494	2.442	9.8	18.2
4 21	11 39.27	− 0 3.5	1.566	2.452	13.9	18.4
329306 2000 SJ_{19}			3 21.5	159°.70	4°.8/27.0	17
2 11	12 27.59	−18 7.2	2.263	2.959	15.5	21.1
2 21	12 24.06	−18 11.6	2.165	2.964	13.2	20.9
3 2	12 18.46	−17 54.9	2.087	2.968	10.5	20.7
3 12	12 11.28	−17 16.5	2.032	2.972	7.5	20.5
3 22	12 3.24	−16 18.3	2.003	2.975	5.2	20.4
4 1	11 55.20	−15 4.8	2.003	2.978	5.2	20.4
4 11	11 48.06	−13 42.9	2.032	2.980	7.5	20.6
4 21	11 42.47	−12 20.1	2.086	2.983	10.4	20.7
32015 2000 HC_{67}			3 21.5	244°.30	3°.3/18.0	18
2 11	12 30.21	+ 6 20.4	2.197	2.989	13.2	20.2
2 21	12 26.21	+ 7 10.0	2.092	2.972	10.4	19.9
3 2	12 20.03	+ 8 8.2	2.011	2.954	7.2	19.7
3 12	12 12.12	+ 9 9.6	1.957	2.936	4.1	19.5
3 22	12 3.19	+10 7.8	1.932	2.917	3.7	19.4
4 1	11 54.15	+10 56.3	1.936	2.897	6.6	19.5
4 11	11 45.94	+11 30.0	1.967	2.877	10.2	19.7
4 21	11 39.31	+11 46.1	2.023	2.856	13.4	19.9
277621 2006 BZ_{23}			3 21.5	39°.14	5°.2/25.7	17
2 11	12 30.75	−13 28.1	1.789	2.523	17.8	19.9
2 21	12 27.08	−14 16.8	1.703	2.531	15.0	19.7
3 2	12 20.83	−14 46.4	1.637	2.538	11.6	19.5
3 12	12 12.56	−14 55.5	1.594	2.546	8.1	19.3
3 22	12 3.17	−14 44.8	1.576	2.554	5.5	19.2
4 1	11 53.79	−14 17.8	1.585	2.562	5.9	19.2
4 11	11 45.57	−13 40.6	1.620	2.571	8.9	19.4
4 21	11 39.36	−13 0.6	1.680	2.580	12.3	19.6
178115 2006 SB_{393}			3 21.5	112°.45	3°.1/16.9	17
2 11	12 24.40	+ 6 12.4	2.641	3.435	11.2	20.3
2 21	12 21.04	+ 7 30.6	2.567	3.449	8.6	20.1
3 2	12 16.08	+ 8 55.7	2.518	3.462	5.9	20.0
3 12	12 9.99	+10 21.9	2.498	3.475	3.5	19.8
3 22	12 3.33	+11 43.3	2.508	3.488	3.5	19.8
4 1	11 56.76	+12 54.2	2.548	3.500	5.8	20.0
4 11	11 50.93	+13 50.3	2.616	3.512	8.5	20.2
4 21	11 46.32	+14 29.7	2.708	3.524	10.9	20.4
9209 1994 UK_{1}			3 21.5	264°.98	0°.4/21.1	18
2 11	12 29.66	− 1 13.6	2.330	3.099	13.2	18.4
2 21	12 25.72	− 0 56.7	2.211	3.075	10.6	18.1
3 2	12 19.69	− 0 28.3	2.114	3.051	7.3	17.9
3 12	12 11.97	+ 0 8.8	2.045	3.025	3.6	17.6
3 22	12 3.21	+ 0 50.8	2.004	3.000	0.5	17.3
4 1	11 54.24	+ 1 32.5	1.992	2.974	4.5	17.6
4 11	11 45.98	+ 2 8.8	2.010	2.947	8.4	17.7
4 21	11 39.17	+ 2 35.5	2.053	2.920	11.9	17.9
271323 2003 WT_{28}			3 21.5	251°.84	1°.5/19.9	18
2 11	12 30.84	+ 2 52.6	2.426	3.202	12.5	21.0
2 21	12 26.48	+ 3 11.5	2.314	3.184	9.9	20.8
3 2	12 20.09	+ 3 38.5	2.225	3.165	6.8	20.5
3 12	12 12.12	+ 4 10.2	2.165	3.146	3.4	20.3
3 22	12 3.20	+ 4 42.3	2.133	3.127	1.7	20.1
4 1	11 54.16	+ 5 10.2	2.132	3.106	4.9	20.3
4 11	11 45.86	+ 5 29.7	2.159	3.086	8.5	20.5
4 21	11 39.00	+ 5 38.0	2.211	3.065	11.7	20.7
424780 2008 TV_{122}			3 21.5	138°.32	1°.9/19.4	17
2 11	12 28.23	+ 2 47.7	2.166	2.955	13.5	21.4
2 21	12 24.47	+ 3 23.9	2.082	2.959	10.5	21.2
3 2	12 18.66	+ 4 9.7	2.020	2.964	7.1	21.0
3 12	12 11.35	+ 5 0.2	1.986	2.968	3.5	20.8
3 22	12 3.25	+ 5 50.1	1.980	2.972	2.2	20.7
4 1	11 55.24	+ 6 33.7	2.003	2.976	5.3	20.9
4 11	11 48.14	+ 7 6.2	2.054	2.980	8.9	21.1
4 21	11 42.62	+ 7 24.8	2.129	2.984	12.0	21.3
413907 2006 WO_{29}			3 21.5	143°.07	8°.8/ 7.9	18
2 11	12 32.72	+28 32.0	2.585	3.371	11.6	21.6
2 21	12 27.79	+30 30.4	2.542	3.387	10.0	21.5
3 2	12 20.81	+32 20.5	2.525	3.402	9.0	21.5
3 12	12 12.36	+33 53.8	2.534	3.417	8.9	21.5
3 22	12 3.20	+35 3.7	2.571	3.430	9.8	21.6
4 1	11 54.20	+35 46.4	2.633	3.442	11.2	21.7
4 11	11 46.22	+36 1.4	2.716	3.454	12.7	21.8
4 21	11 39.86	+35 51.2	2.819	3.464	14.2	22.0

368607 2004 RJ_{215} 3 21.5 148°.00 4°.2/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 29.40	−17 15.1	2.677	3.361	13.6	21.7
2 21	12 25.06	−17 22.9	2.581	3.372	11.5	21.5
3 2	12 18.92	−17 13.4	2.505	3.383	9.1	21.3
3 12	12 11.44	−16 46.5	2.454	3.393	6.5	21.2
3 22	12 3.25	−16 3.6	2.432	3.402	4.5	21.1
4 1	11 55.11	−15 8.4	2.438	3.411	4.5	21.1
4 11	11 47.74	−14 6.1	2.474	3.419	6.6	21.2
4 21	11 41.74	−13 2.2	2.538	3.427	9.1	21.4

457476 2008 UX_{240} 3 21.5 206°.55 3°.6/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.79	−12 18.4	1.864	2.599	17.2	22.3
2 21	12 27.93	−12 24.3	1.762	2.594	14.4	22.1
3 2	12 21.47	−12 9.3	1.679	2.588	10.9	21.9
3 12	12 12.93	−11 33.2	1.620	2.582	7.0	21.6
3 22	12 3.16	−10 38.5	1.588	2.575	3.9	21.4
4 1	11 53.26	− 9 30.7	1.584	2.567	5.1	21.5
4 11	11 44.42	− 8 18.0	1.607	2.558	8.9	21.7
4 21	11 37.51	− 7 8.4	1.656	2.549	12.9	21.9

423187 2004 LC_{13} 3 21.5 270°.53 7°.4/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.93	+15 14.9	1.887	2.706	14.0	20.7
2 21	12 24.05	+16 58.9	1.802	2.691	11.2	20.5
3 2	12 18.75	+18 47.8	1.740	2.676	8.7	20.3
3 12	12 11.55	+20 31.8	1.705	2.661	7.4	20.2
3 22	12 3.24	+22 0.5	1.697	2.645	8.3	20.2
4 1	11 54.87	+23 5.5	1.716	2.629	10.9	20.4
4 11	11 47.50	+23 41.8	1.757	2.613	14.0	20.5
4 21	11 41.97	+23 49.0	1.819	2.597	16.8	20.7

63686 2001 QY_{152} 3 21.5 88°.90 0°.5/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 33.27	− 4 7.0	1.478	2.262	18.9	19.7
2 21	12 29.25	− 3 52.8	1.411	2.281	15.0	19.5
3 2	12 22.33	− 3 20.1	1.363	2.300	10.4	19.2
3 12	12 13.26	− 2 32.8	1.339	2.319	5.3	19.0
3 22	12 3.15	− 1 37.2	1.341	2.337	0.5	18.7
4 1	11 53.32	− 0 41.5	1.371	2.356	5.4	19.1
4 11	11 45.03	+ 0 6.5	1.426	2.373	10.2	19.4
4 21	11 39.08	+ 0 41.1	1.505	2.391	14.4	19.7

384025 2008 UE_{110} 3 21.5 274°.18 2°.5/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.42	− 9 13.8	2.068	2.818	15.3	20.9
2 21	12 24.18	− 9 18.8	1.963	2.808	12.6	20.7
3 2	12 18.71	− 9 7.1	1.878	2.797	9.3	20.4
3 12	12 11.50	− 8 39.4	1.819	2.787	5.6	20.2
3 22	12 3.25	− 7 58.5	1.786	2.777	2.6	20.0
4 1	11 54.89	− 7 8.9	1.782	2.767	4.3	20.0
4 11	11 47.39	− 6 17.2	1.805	2.757	8.1	20.3
4 21	11 41.54	− 5 29.4	1.853	2.746	11.7	20.4

32942 1995 UD_{7} 3 21.5 171°.89 3°.0/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.81	−15 46.6	3.083	3.776	11.8	19.8
2 21	12 21.24	−15 28.7	2.978	3.780	9.9	19.7
3 2	12 16.19	−14 54.9	2.894	3.782	7.6	19.5
3 12	12 10.06	−14 6.1	2.836	3.785	5.2	19.4
3 22	12 3.35	−13 4.6	2.807	3.786	3.3	19.3
4 1	11 56.65	−11 54.0	2.809	3.788	3.5	19.3
4 11	11 50.56	−10 39.4	2.840	3.789	5.7	19.4
4 21	11 45.56	− 9 25.8	2.900	3.789	8.1	19.6

120401 2005 RT_{6} 3 21.5 114°.63 2°.2/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.01	− 0 12.1	1.519	2.319	17.7	20.4
2 21	12 26.68	+ 0 56.4	1.448	2.332	13.9	20.1
3 2	12 20.58	+ 2 22.9	1.398	2.345	9.3	19.9
3 12	12 12.42	+ 4 0.0	1.373	2.357	4.5	19.6
3 22	12 3.22	+ 5 37.7	1.376	2.369	2.6	19.5
4 1	11 54.22	+ 7 5.4	1.405	2.380	6.9	19.8
4 11	11 46.60	+ 8 14.5	1.461	2.391	11.5	20.1
4 21	11 41.19	+ 9 0.7	1.539	2.401	15.4	20.4

112970 2002 RN_{19} 3 21.5 195°.08 1°.1/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.88	+ 2 4.8	2.455	3.229	12.5	19.7
2 21	12 26.33	+ 2 15.8	2.359	3.227	9.8	19.5
3 2	12 19.86	+ 2 34.4	2.287	3.225	6.7	19.3
3 12	12 11.95	+ 2 57.5	2.241	3.223	3.3	19.1
3 22	12 3.25	+ 3 21.5	2.226	3.221	1.2	19.0
4 1	11 54.57	+ 3 42.1	2.240	3.218	4.4	19.2
4 11	11 46.71	+ 3 55.7	2.284	3.215	7.9	19.4
4 21	11 40.28	+ 3 59.9	2.353	3.211	10.9	19.6

62191 2000 SX_{45} 3 21.5 292°.52 8°.6/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.16	−23 14.9	1.889	2.568	18.7	19.5
2 21	12 25.31	−24 13.4	1.786	2.559	16.6	19.3
3 2	12 19.83	−24 48.5	1.699	2.550	14.0	19.1
3 12	12 12.21	−24 56.0	1.633	2.542	11.3	18.9
3 22	12 3.23	−24 33.9	1.590	2.533	9.2	18.7
4 1	11 54.04	−23 44.0	1.572	2.525	8.7	18.7
4 11	11 45.84	−22 32.7	1.579	2.516	10.2	18.8
4 21	11 39.61	−21 9.1	1.610	2.508	12.9	18.9

347736 2001 YS_{150} 3 21.5 177°.61 4°.4/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 30.90	+10 52.2	2.286	3.083	12.6	21.9
2 21	12 26.48	+11 49.1	2.204	3.085	9.9	21.7
3 2	12 20.01	+12 50.2	2.146	3.086	7.0	21.5
3 12	12 12.03	+13 49.2	2.116	3.087	4.7	21.4
3 22	12 3.26	+14 39.6	2.115	3.087	4.9	21.4
4 1	11 54.56	+15 16.0	2.142	3.087	7.3	21.5
4 11	11 46.80	+15 35.1	2.197	3.086	10.2	21.7
4 21	11 40.62	+15 35.8	2.275	3.085	12.9	21.9

159415 1999 RL_{189} 3 21.5 250°.82 1°.1/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.85	− 3 48.1	2.164	2.921	14.4	20.4
2 21	12 28.34	− 4 3.4	2.055	2.910	11.7	20.2
3 2	12 21.55	− 4 7.6	1.969	2.897	8.3	20.0
3 12	12 12.92	− 4 1.9	1.909	2.885	4.5	19.7
3 22	12 3.21	− 3 48.9	1.877	2.872	1.1	19.4
4 1	11 53.36	− 3 32.2	1.875	2.859	4.2	19.6
4 11	11 44.37	− 3 16.4	1.901	2.846	8.2	19.8
4 21	11 37.05	− 3 5.5	1.953	2.832	11.9	20.0

474092 2016 KP_{2} 3 21.5 243°.21 3°.8/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.56	+ 8 38.2	2.408	3.205	12.0	21.8
2 21	12 23.90	+ 9 38.8	2.308	3.191	9.4	21.6
3 2	12 18.31	+10 46.0	2.233	3.176	6.6	21.4
3 12	12 11.24	+11 54.3	2.186	3.161	4.2	21.2
3 22	12 3.31	+12 57.1	2.168	3.145	4.3	21.1
4 1	11 55.33	+13 48.7	2.179	3.129	6.8	21.3
4 11	11 48.10	+14 24.5	2.217	3.113	9.8	21.4
4 21	11 42.27	+14 42.3	2.279	3.096	12.6	21.6

186252 2001 XF_{222} 3 21.5 205°.70 1°.5/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.10	+ 1 37.5	2.403	3.179	12.7	21.8
2 21	12 25.83	+ 2 12.6	2.303	3.173	10.0	21.6
3 2	12 19.59	+ 2 57.6	2.227	3.166	6.8	21.3
3 12	12 11.86	+ 3 48.6	2.177	3.159	3.3	21.1
3 22	12 3.28	+ 4 40.6	2.158	3.151	1.7	21.0
4 1	11 54.68	+ 5 28.2	2.169	3.143	4.9	21.2
4 11	11 46.88	+ 6 6.7	2.208	3.134	8.4	21.4
4 21	11 40.52	+ 6 32.8	2.272	3.124	11.5	21.6

182142 2000 SN_{44} 3 21.5 166°.53 1°.2/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 33.13	− 4 42.1	3.027	3.759	11.3	20.6
2 21	12 27.68	− 4 59.4	2.924	3.763	9.1	20.4
3 2	12 20.58	− 5 8.2	2.846	3.766	6.5	20.2
3 12	12 12.26	− 5 9.6	2.797	3.770	3.6	20.1
3 22	12 3.27	− 5 5.2	2.778	3.773	1.2	19.9
4 1	11 54.30	− 4 57.6	2.792	3.775	3.1	20.0
4 11	11 46.00	− 4 49.5	2.836	3.777	6.0	20.2
4 21	11 38.91	− 4 43.7	2.908	3.779	8.7	20.4

43499 2001 CY_{19} 3 21.5 159°.28 0°.4/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.89	− 1 50.5	2.061	2.831	14.7	20.4
2 21	12 27.47	− 1 23.3	1.973	2.838	11.6	20.2
3 2	12 20.82	− 0 43.0	1.908	2.845	8.0	19.9
3 12	12 12.49	+ 0 6.8	1.870	2.851	3.9	19.7
3 22	12 3.27	+ 1 1.0	1.860	2.856	0.6	19.4
4 1	11 54.12	+ 1 53.3	1.879	2.860	4.7	19.8
4 11	11 46.00	+ 2 37.9	1.927	2.864	8.7	20.0
4 21	11 39.60	+ 3 10.8	2.000	2.867	12.2	20.2

231429 2007 ER_{122} 3 21.5 333°.55 3°.7/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.77	− 7 23.9	1.119	1.927	22.2	20.1
2 21	12 24.75	− 8 3.3	1.032	1.913	18.4	19.8
3 2	12 20.23	− 8 20.6	0.963	1.900	13.7	19.5
3 12	12 12.70	− 8 14.9	0.913	1.888	8.3	19.2
3 22	12 3.24	− 7 48.3	0.884	1.877	3.8	18.9
4 1	11 53.50	− 7 7.3	0.879	1.867	6.6	19.0
4 11	11 45.28	− 6 22.2	0.895	1.859	12.3	19.2
4 21	11 39.93	− 5 43.2	0.931	1.851	17.7	19.5

498853 2008 XW_{33} 3 21.5 137°.37 3°.0/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.70	−12 2.9	2.354	3.080	14.3	22.1
2 21	12 23.99	−12 5.9	2.260	3.086	11.8	21.9
3 2	12 18.34	−11 52.1	2.187	3.093	8.9	21.8
3 12	12 11.23	−11 22.5	2.139	3.099	5.7	21.6
3 22	12 3.34	−10 39.5	2.118	3.104	3.2	21.4
4 1	11 55.48	− 9 47.3	2.127	3.110	4.1	21.5
4 11	11 48.45	− 8 51.7	2.164	3.115	7.0	21.7
4 21	11 42.88	− 7 58.2	2.228	3.120	10.1	21.9

147656 2004 JZ_{36} 3 21.5 239°.37 1°.4/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.13	− 8 14.9	2.760	3.500	12.1	21.2
2 21	12 21.74	− 7 57.6	2.648	3.489	9.8	21.0
3 2	12 16.71	− 7 26.8	2.558	3.477	7.1	20.8
3 12	12 10.41	− 6 43.9	2.494	3.466	4.1	20.6
3 22	12 3.40	− 5 51.9	2.460	3.454	1.5	20.3
4 1	11 56.32	− 4 55.0	2.456	3.441	3.3	20.5
4 11	11 49.85	− 3 58.2	2.481	3.429	6.4	20.6
4 21	11 44.56	− 3 6.1	2.533	3.416	9.4	20.8

7728 Giblin 3 21.5 188°.88 0°.4/21.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 28.61	− 3 49.8	2.339	3.100	13.4	17.8
2 21	12 24.70	− 3 35.5	2.241	3.100	10.7	17.6
3 2	12 18.84	− 3 8.8	2.167	3.099	7.5	17.4
3 12	12 11.49	− 2 32.2	2.119	3.097	3.9	17.1
3 22	12 3.34	− 1 49.4	2.100	3.096	0.4	16.9
4 1	11 55.18	− 1 5.2	2.110	3.094	3.9	17.1
4 11	11 47.85	− 0 24.8	2.149	3.092	7.6	17.4
4 21	11 41.97	+ 0 7.7	2.214	3.089	10.8	17.6

409200 2003 VX_4 3 21.5 105°.31 2°.6/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.96	+ 3 51.9	1.770	2.564	15.8	21.7
2 21	12 28.52	+ 4 32.4	1.701	2.582	12.3	21.6
3 2	12 21.59	+ 5 23.0	1.655	2.599	8.3	21.3
3 12	12 12.86	+ 6 17.5	1.635	2.616	4.3	21.1
3 22	12 3.28	+ 7 8.9	1.642	2.633	2.9	21.1
4 1	11 53.94	+ 7 50.5	1.678	2.649	6.4	21.3
4 11	11 45.89	+ 8 17.4	1.740	2.664	10.3	21.6
4 21	11 39.85	+ 8 27.4	1.826	2.679	13.8	21.8

195520 2002 JK_8 3 21.5 243°.86 6°.7/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.85	+17 54.5	2.317	3.123	12.1	20.3
2 21	12 25.06	+19 17.2	2.230	3.109	9.9	20.1
3 2	12 19.19	+20 40.6	2.169	3.095	7.8	20.0
3 12	12 11.71	+21 57.1	2.134	3.081	6.7	19.9
3 22	12 3.34	+22 59.1	2.127	3.066	7.5	19.9
4 1	11 54.93	+23 40.6	2.147	3.051	9.6	20.0
4 11	11 47.39	+23 58.5	2.192	3.035	12.1	20.1
4 21	11 41.41	+23 52.9	2.258	3.019	14.4	20.3

21349 Bevoke 3 21.5 261°.73 0°.2/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.73	− 2 9.2	2.644	3.411	11.9	19.4
2 21	12 22.29	− 1 47.4	2.534	3.397	9.4	19.2
3 2	12 17.13	− 1 14.8	2.447	3.382	6.5	19.0
3 12	12 10.65	− 0 34.1	2.386	3.367	3.3	18.7
3 22	12 3.40	+ 0 11.1	2.355	3.352	0.3	18.5
4 1	11 56.08	+ 0 56.4	2.354	3.336	3.8	18.7
4 11	11 49.40	+ 1 37.1	2.382	3.321	7.2	18.9
4 21	11 43.94	+ 2 9.6	2.436	3.305	10.2	19.1

285581 2000 QW_{51} 3 21.5 230°.56 2°.3/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.77	− 9 30.3	2.649	3.379	12.7	21.1
2 21	12 23.90	− 9 37.3	2.539	3.372	10.5	20.9
3 2	12 18.24	− 9 31.1	2.451	3.364	7.7	20.7
3 12	12 11.20	− 9 12.5	2.390	3.355	4.8	20.5
3 22	12 3.38	− 8 43.4	2.357	3.347	2.4	20.4
4 1	11 55.48	− 8 7.3	2.354	3.338	3.6	20.4
4 11	11 48.26	− 7 28.6	2.380	3.329	6.6	20.6
4 21	11 42.31	− 6 51.8	2.433	3.319	9.6	20.8

310220 2011 SS_{206} 3 21.5 232°.88 0°.0/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.03	− 3 10.3	2.724	3.485	11.7	22.3
2 21	12 22.45	− 2 43.1	2.615	3.474	9.3	22.1
3 2	12 17.19	− 2 4.5	2.529	3.462	6.5	21.9
3 12	12 10.66	− 1 17.1	2.470	3.450	3.3	21.7
3 22	12 3.41	− 0 24.6	2.441	3.438	0.2	21.4
4 1	11 56.10	+ 0 28.3	2.443	3.425	3.6	21.7
4 11	11 49.41	+ 1 17.0	2.473	3.412	6.9	21.8
4 21	11 43.93	+ 1 57.6	2.530	3.399	9.9	22.0

87123 2000 MO_1 3 21.5 131°.51 3°.8/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 33.03	−12 6.7	1.802	2.538	17.7	19.9
2 21	12 28.79	−12 20.2	1.717	2.550	14.7	19.7
3 2	12 21.96	−12 13.1	1.652	2.561	11.0	19.5
3 12	12 13.15	−11 45.6	1.611	2.572	7.1	19.3
3 22	12 3.27	−11 0.5	1.596	2.583	4.0	19.1
4 1	11 53.48	−10 3.2	1.610	2.593	5.1	19.2
4 11	11 44.91	− 9 1.6	1.651	2.602	8.7	19.5
4 21	11 38.37	− 8 3.3	1.716	2.611	12.4	19.7

237635 2001 SX_{46} 3 21.5 228°.27 1°.5/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.79	+ 3 19.5	2.903	3.676	10.8	21.9
2 21	12 24.47	+ 3 45.5	2.795	3.663	8.5	21.7
3 2	12 18.51	+ 4 18.3	2.711	3.650	5.8	21.5
3 12	12 11.30	+ 4 54.7	2.655	3.636	2.9	21.3
3 22	12 3.38	+ 5 30.9	2.629	3.622	1.7	21.2
4 1	11 55.41	+ 6 2.9	2.635	3.607	4.3	21.4
4 11	11 48.05	+ 6 27.3	2.669	3.591	7.3	21.5
4 21	11 41.87	+ 6 41.6	2.730	3.575	10.0	21.7

396984 2005 SX_{130} 3 21.5 249°.01 0°.3/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.49	− 2 24.4	1.674	2.455	17.1	23.2
2 21	12 28.89	− 2 3.7	1.567	2.438	13.8	22.9
3 2	12 22.43	− 1 25.9	1.481	2.420	9.6	22.6
3 12	12 13.59	− 0 34.1	1.419	2.401	4.8	22.3
3 22	12 3.25	+ 0 26.2	1.385	2.381	0.5	21.9
4 1	11 52.63	+ 1 26.9	1.378	2.361	5.8	22.2
4 11	11 43.08	+ 2 19.9	1.398	2.339	10.9	22.5
4 21	11 35.65	+ 2 58.8	1.441	2.318	15.4	22.7

459988 2014 OE_{38} 3 21.5 145°.71 3°.2/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 33.13	−10 7.1	1.801	2.546	17.4	21.8
2 21	12 28.91	−10 21.1	1.713	2.554	14.3	21.6
3 2	12 22.08	−10 16.3	1.645	2.561	10.6	21.4
3 12	12 13.23	− 9 53.0	1.601	2.567	6.6	21.2
3 22	12 3.28	− 9 14.0	1.584	2.574	3.3	21.0
4 1	11 53.37	− 8 24.7	1.595	2.579	4.9	21.1
4 11	11 44.64	− 7 32.4	1.634	2.585	8.8	21.3
4 21	11 37.93	− 6 44.0	1.697	2.589	12.7	21.6

265645 2005 TP_{72} 3 21.5 112°.61 3°.4/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.36	+ 6 43.3	2.104	2.899	13.6	21.8
2 21	12 26.09	+ 7 41.6	2.035	2.917	10.5	21.6
3 2	12 19.74	+ 8 47.0	1.991	2.935	7.2	21.5
3 12	12 11.90	+ 9 53.0	1.974	2.952	4.2	21.3
3 22	12 3.36	+10 53.0	1.985	2.969	3.8	21.3
4 1	11 55.02	+11 40.9	2.026	2.985	6.6	21.5
4 11	11 47.73	+12 12.6	2.094	3.000	9.8	21.7
4 21	11 42.10	+12 26.7	2.185	3.016	12.7	21.9

185002 2006 PB_7 3 21.5 182°.33 0°.9/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.50	− 4 28.1	1.974	2.736	15.5	21.4
2 21	12 28.17	− 4 25.1	1.880	2.737	12.5	21.2
3 2	12 21.46	− 4 7.8	1.807	2.737	8.8	21.0
3 12	12 12.90	− 3 38.4	1.760	2.737	4.7	20.7
3 22	12 3.30	− 3 0.7	1.741	2.737	0.9	20.4
4 1	11 53.70	− 2 20.2	1.751	2.735	4.5	20.7
4 11	11 45.13	− 1 42.7	1.789	2.734	8.6	20.9
4 21	11 38.38	− 1 13.1	1.852	2.731	12.4	21.2

277709 2006 DG_{24} 3 21.5 8°.32 4°.6/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.85	+ 8 53.6	1.497	2.320	16.8	19.8
2 21	12 25.91	+ 9 26.0	1.426	2.322	13.2	19.6
3 2	12 20.17	+10 4.7	1.375	2.324	9.2	19.3
3 12	12 12.30	+10 42.3	1.348	2.327	5.5	19.1
3 22	12 3.34	+11 11.2	1.346	2.330	5.0	19.1
4 1	11 54.54	+11 24.6	1.371	2.335	8.4	19.3
4 11	11 47.12	+11 18.6	1.419	2.341	12.4	19.5
4 21	11 41.93	+10 52.6	1.488	2.347	16.1	19.8

505574 2014 BL_{22} 3 21.5 179°.50 3°.7/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.11	−13 22.5	2.484	3.198	13.9	21.6
2 21	12 24.29	−13 43.2	2.382	3.198	11.6	21.4
3 2	12 18.56	−13 48.5	2.302	3.199	8.9	21.2
3 12	12 11.39	−13 38.3	2.247	3.199	6.1	21.1
3 22	12 3.39	−13 13.8	2.219	3.199	3.9	20.9
4 1	11 55.36	−12 38.3	2.220	3.199	4.4	20.9
4 11	11 48.08	−11 56.6	2.250	3.198	6.9	21.1
4 21	11 42.21	−11 13.8	2.306	3.198	9.8	21.3

238484 2004 RX_{222} 3 21.5 275°.12 5°.2/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.32	+ 7 22.4	1.521	2.340	16.8	20.7
2 21	12 26.62	+ 8 33.8	1.426	2.321	13.3	20.4
3 2	12 20.98	+ 9 58.6	1.352	2.301	9.3	20.1
3 12	12 12.90	+11 28.1	1.303	2.281	5.9	19.8
3 22	12 3.31	+12 51.7	1.280	2.261	5.9	19.8
4 1	11 53.51	+13 58.2	1.282	2.240	9.7	19.9
4 11	11 44.90	+14 39.9	1.309	2.219	14.1	20.1
4 21	11 38.55	+14 53.5	1.356	2.199	18.2	20.3

51515 2001 FS_{100} 3 21.5 293°.92 2°.8/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.52	−12 20.9	1.617	2.379	18.4	18.8
2 21	12 21.91	−11 50.9	1.506	2.358	15.3	18.5
3 2	12 17.66	−10 52.0	1.414	2.336	11.5	18.2
3 12	12 11.23	− 9 24.7	1.345	2.315	7.0	17.9
3 22	12 3.40	− 7 33.4	1.301	2.293	3.0	17.6
4 1	11 55.32	− 5 27.3	1.284	2.272	5.1	17.7
4 11	11 48.23	− 3 19.3	1.294	2.250	10.0	17.9
4 21	11 43.15	− 1 21.6	1.327	2.229	14.8	18.1

292632 2006 UR_{24} 3 21.5 25°.29 1°.0/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.41	+ 1 4.3	2.129	2.915	13.7	21.0
2 21	12 23.90	+ 1 19.6	2.044	2.919	10.8	20.8
3 2	12 18.35	+ 1 44.7	1.981	2.923	7.4	20.5
3 12	12 11.28	+ 2 16.0	1.945	2.927	3.6	20.3
3 22	12 3.41	+ 2 48.8	1.936	2.932	1.2	20.1
4 1	11 55.62	+ 3 18.2	1.957	2.936	4.7	20.4
4 11	11 48.75	+ 3 39.8	2.005	2.941	8.4	20.6
4 21	11 43.44	+ 3 50.6	2.077	2.946	11.7	20.8

29413 1996 XE_1 3 21.5 191°.12 4°.0/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.87	−16 28.4	2.779	3.470	13.0	19.1
2 21	12 23.14	−16 41.1	2.672	3.469	11.0	18.9
3 2	12 17.68	−16 37.9	2.587	3.468	8.7	18.8
3 12	12 10.93	−16 18.4	2.526	3.466	6.2	18.6
3 22	12 3.44	−15 43.9	2.492	3.464	4.3	18.5
4 1	11 55.92	−14 57.4	2.488	3.462	4.4	18.5
4 11	11 49.06	−14 3.6	2.513	3.459	6.4	18.6
4 21	11 43.45	−13 7.6	2.565	3.456	8.9	18.7

327872 2007 AR_3 3 21.5 67°.97 0°.1/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 30.85	− 2 20.7	1.667	2.452	17.0	21.1
2 21	12 27.06	− 2 7.5	1.597	2.469	13.5	20.9
3 2	12 20.72	− 1 39.4	1.548	2.487	9.3	20.6
3 12	12 12.50	− 1 0.2	1.523	2.504	4.6	20.4
3 22	12 3.37	− 0 15.6	1.525	2.522	0.3	20.1
4 1	11 54.46	+ 0 27.8	1.555	2.539	5.0	20.5
4 11	11 46.85	+ 1 3.6	1.612	2.557	9.4	20.8
4 21	11 41.29	+ 1 27.5	1.692	2.574	13.3	21.1

370659 2004 CL_{50} 3 21.5 26°.58 2°.9/22.2 18

2 11	12 51.15	+ 1 10.7	0.999	1.798	24.9	19.7
2 21	12 45.51	− 0 40.6	0.924	1.801	20.4	19.4
3 2	12 34.96	− 2 28.9	0.866	1.804	14.7	19.1
3 12	12 20.20	− 4 12.1	0.829	1.808	8.1	18.7
3 22	12 2.94	− 5 46.6	0.818	1.812	2.9	18.5
4 1	11 45.71	− 7 9.5	0.832	1.817	7.8	18.8
4 11	11 31.05	− 8 21.5	0.870	1.822	14.3	19.1
4 21	11 20.57	− 9 25.8	0.929	1.828	19.9	19.4

185570 2008 AA_{78} 3 21.5 65°.13 0°.1/21.4 17 R

2 11	12 26.36	− 2 19.8	2.319	3.091	13.2	20.8
2 21	12 22.91	− 2 1.9	2.231	3.097	10.4	20.7
3 2	12 17.59	− 1 32.4	2.166	3.103	7.2	20.5
3 12	12 10.88	− 0 54.4	2.128	3.108	3.6	20.2
3 22	12 3.46	− 0 12.0	2.118	3.114	0.2	20.0
4 1	11 56.09	+ 0 29.9	2.137	3.120	4.0	20.3
4 11	11 49.55	+ 1 6.6	2.184	3.126	7.5	20.5
4 21	11 44.43	+ 1 34.3	2.257	3.131	10.7	20.7

389775 2011 SH_{264} 3 21.5 48°.46 0°.5/21.9 17

2 11	12 28.13	− 2 57.7	2.294	3.061	13.5	20.9
2 21	12 24.33	− 2 56.9	2.204	3.065	10.7	20.7
3 2	12 18.59	− 2 45.0	2.137	3.070	7.5	20.5
3 12	12 11.40	− 2 24.2	2.096	3.074	3.9	20.3
3 22	12 3.44	− 1 58.1	2.083	3.079	0.5	20.0
4 1	11 55.52	− 1 30.7	2.100	3.084	3.9	20.3
4 11	11 48.47	− 1 6.5	2.144	3.089	7.5	20.5
4 21	11 42.88	− 0 49.0	2.215	3.094	10.7	20.8

292966 2006 VY_{131} 3 21.5 6°.23 4°.2/25.3 17

2 11	12 23.44	−13 18.1	1.451	2.218	19.9	20.6
2 21	12 21.92	−13 21.5	1.367	2.218	16.6	20.4
3 2	12 17.63	−12 57.5	1.301	2.219	12.6	20.2
3 12	12 11.16	−12 6.4	1.257	2.221	8.2	19.9
3 22	12 3.45	−10 52.0	1.236	2.223	4.6	19.7
4 1	11 55.74	− 9 22.4	1.240	2.226	5.6	19.8
4 11	11 49.31	− 7 48.9	1.270	2.230	9.7	20.0
4 21	11 45.05	− 6 22.2	1.322	2.235	14.1	20.3

212536 2006 RY_{91} 3 21.5 75°.86 0°.5/22.1 17

2 11	12 25.51	− 4 59.6	2.331	3.094	13.4	20.6
2 21	12 22.17	− 4 31.1	2.250	3.110	10.6	20.4
3 2	12 17.03	− 3 49.0	2.193	3.125	7.4	20.2
3 12	12 10.59	− 2 56.4	2.162	3.140	3.8	20.0
3 22	12 3.50	− 1 57.9	2.159	3.155	0.5	19.8
4 1	11 56.51	− 0 58.8	2.186	3.170	3.7	20.1
4 11	11 50.38	− 0 4.5	2.241	3.185	7.2	20.3
4 21	11 45.64	+ 0 40.5	2.322	3.200	10.3	20.5

496709 2016 EL_{176} 3 21.5 184°.82 2°.4/24.1 16

2 11	12 28.57	−10 33.4	2.082	2.823	15.5	21.7
2 21	12 25.02	−10 21.0	1.984	2.823	12.7	21.5
3 2	12 19.27	− 9 49.6	1.907	2.823	9.4	21.3
3 12	12 11.82	− 9 0.7	1.855	2.822	5.7	21.0
3 22	12 3.43	− 7 57.7	1.830	2.821	2.6	20.8
4 1	11 55.02	− 6 46.5	1.834	2.819	4.2	20.9
4 11	11 47.54	− 5 34.4	1.867	2.817	7.9	21.2
4 21	11 41.71	− 4 28.2	1.925	2.815	11.5	21.4

434946 2006 UA_{20} 3 21.5 278°.31 2°.2/19.3 17

2 11	12 30.27	+ 5 40.9	2.328	3.116	12.7	21.1
2 21	12 26.01	+ 5 55.7	2.235	3.111	10.0	20.9
3 2	12 19.76	+ 6 16.3	2.165	3.107	6.8	20.6
3 12	12 12.00	+ 6 38.8	2.122	3.103	3.6	20.4
3 22	12 3.43	+ 6 58.8	2.108	3.098	2.4	20.3
4 1	11 54.88	+ 7 12.0	2.123	3.094	5.3	20.5
4 11	11 47.19	+ 7 15.2	2.166	3.090	8.6	20.7
4 21	11 41.00	+ 7 6.6	2.235	3.085	11.7	20.9

88879 Sungjaoyiu 3 21.5 233°.00 0°.3/21.8 18

2 11	12 27.31	− 5 6.1	2.117	2.883	14.5	20.5
2 21	12 24.03	− 4 29.8	2.012	2.873	11.6	20.3
3 2	12 18.61	− 3 36.7	1.929	2.862	8.1	20.1
3 12	12 11.52	− 2 29.8	1.872	2.851	4.2	19.8
3 22	12 3.46	− 1 14.3	1.844	2.840	0.3	19.5
4 1	11 55.31	+ 0 3.1	1.845	2.828	4.4	19.8
4 11	11 47.99	+ 1 15.1	1.873	2.816	8.5	20.0
4 21	11 42.26	+ 2 15.7	1.928	2.803	12.2	20.2

18345 1989 UP_4 3 21.5 146°.88 0°.1/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 26.48	− 2 57.8	2.933	3.689	11.1	19.3
2 21	12 22.55	− 2 34.8	2.841	3.698	8.7	19.1
3 2	12 17.12	− 2 2.1	2.774	3.706	6.0	18.9
3 12	12 10.60	− 1 22.2	2.734	3.714	3.0	18.7
3 22	12 3.52	− 0 38.4	2.725	3.721	0.1	18.5
4 1	11 56.48	+ 0 5.2	2.746	3.728	3.3	18.8
4 11	11 50.11	+ 0 44.8	2.796	3.735	6.2	19.0
4 21	11 44.86	+ 1 17.3	2.873	3.741	8.9	19.2

522747 2016 MD_4 3 21.5 246°.02 1°.4/19.7 16

2 11	12 23.84	− 0 38.7	2.442	3.222	12.4	22.0
2 21	12 20.94	+ 0 23.8	2.341	3.214	9.7	21.8
3 2	12 16.28	+ 1 39.4	2.264	3.206	6.6	21.6
3 12	12 10.28	+ 3 3.7	2.215	3.198	3.2	21.4
3 22	12 3.53	+ 4 30.7	2.196	3.189	1.6	21.2
4 1	11 56.75	+ 5 53.9	2.206	3.181	4.8	21.4
4 11	11 50.67	+ 7 7.1	2.245	3.172	8.2	21.6
4 21	11 45.89	+ 8 5.9	2.310	3.163	11.3	21.8

116500 2004 BG_{22} 3 21.5 184°.79 0°.9/20.4 18

2 11	12 26.72	− 0 11.7	2.527	3.301	12.2	20.5
2 21	12 23.07	+ 0 23.6	2.432	3.301	9.6	20.4
3 2	12 17.65	+ 1 9.3	2.361	3.300	6.5	20.2
3 12	12 10.93	+ 2 1.7	2.318	3.300	3.2	19.9
3 22	12 3.50	+ 2 56.4	2.304	3.299	1.1	19.8
4 1	11 56.09	+ 3 48.3	2.319	3.297	4.3	20.0
4 11	11 49.42	+ 4 32.5	2.364	3.296	7.6	20.2
4 21	11 44.06	+ 5 5.8	2.434	3.294	10.5	20.4

505193 2012 TT_{136} 3 21.5 170°.70 1°.2/22.7 17

2 11	12 29.58	− 5 8.0	2.348	3.102	13.5	21.5
2 21	12 25.48	− 5 12.8	2.252	3.103	10.9	21.3
3 2	12 19.41	− 5 5.6	2.178	3.104	7.8	21.1
3 12	12 11.84	− 4 48.0	2.130	3.105	4.3	20.9
3 22	12 3.45	− 4 22.8	2.111	3.106	1.2	20.7
4 1	11 55.07	− 3 54.2	2.121	3.106	3.8	20.8
4 11	11 47.51	− 3 26.5	2.160	3.107	7.3	21.1
4 21	11 41.42	− 3 3.8	2.225	3.107	10.5	21.3

31759 1999 JT_{99} 3 21.5 126°.46 3°.5/17.4 18

2 11	12 26.20	+ 4 14.5	2.004	2.805	14.0	18.8
2 21	12 23.09	+ 5 43.0	1.926	2.812	10.8	18.6
3 2	12 17.87	+ 7 23.2	1.873	2.820	7.3	18.4
3 12	12 11.09	+ 9 7.6	1.847	2.827	4.2	18.3
3 22	12 3.49	+10 47.5	1.850	2.834	4.0	18.3
4 1	11 55.99	+12 14.7	1.882	2.841	7.0	18.5
4 11	11 49.47	+13 22.9	1.941	2.847	10.4	18.7
4 21	11 44.57	+14 9.0	2.023	2.853	13.5	18.9

173825 2001 SL_{345} 3 21.5 100°.63 4°.6/27.2 18

2 11	12 29.94	−17 40.0	2.659	3.339	13.8	20.5
2 21	12 25.49	−18 5.1	2.573	3.360	11.7	20.4
3 2	12 19.25	−18 13.4	2.508	3.381	9.3	20.3
3 12	12 11.69	−18 4.6	2.468	3.401	6.8	20.1
3 22	12 3.47	−17 39.7	2.456	3.421	4.9	20.0
4 1	11 55.33	−17 1.7	2.472	3.440	4.9	20.1
4 11	11 48.01	−16 15.3	2.517	3.459	6.6	20.2
4 21	11 42.07	−15 25.8	2.589	3.478	9.0	20.4

4279 De Gasparis 3 21.5 90°.36 2°.8/24.0 18

2 11	12 32.41	−10 17.2	1.646	2.399	18.5	18.4
2 21	12 28.37	−10 14.1	1.576	2.422	15.0	18.2
3 2	12 21.67	− 9 49.3	1.525	2.445	11.0	18.0
3 12	12 13.01	− 9 4.6	1.498	2.467	6.6	17.8
3 22	12 3.40	− 8 4.5	1.497	2.488	3.0	17.7
4 1	11 54.04	− 6 56.5	1.524	2.510	4.8	17.8
4 11	11 46.06	− 5 49.0	1.578	2.530	8.9	18.1
4 21	11 40.22	− 4 49.6	1.656	2.551	12.8	18.4

177952 2006 KX_{123} 3 21.5 166°.53 3°.4/25.3 18

2 11	12 30.25	−14 5.7	2.319	3.030	14.8	20.8
2 21	12 26.08	−13 57.9	2.221	3.036	12.4	20.6
3 2	12 19.86	−13 31.0	2.143	3.042	9.4	20.4
3 12	12 12.08	−12 45.7	2.091	3.046	6.2	20.2
3 22	12 3.45	−11 44.6	2.066	3.050	3.6	20.0
4 1	11 54.84	−10 32.7	2.071	3.053	4.3	20.1
4 11	11 47.11	− 9 16.8	2.106	3.055	7.3	20.3
4 21	11 40.93	− 8 3.4	2.167	3.056	10.4	20.5

505280 2012 VM_{48} 3 21.5 187°.99 1°.7/23.6 17

2 11	12 24.24	− 9 35.7	2.285	3.033	14.1	21.8
2 21	12 21.39	− 9 8.1	2.188	3.033	11.4	21.6
3 2	12 16.64	− 8 22.9	2.112	3.033	8.3	21.4
3 12	12 10.48	− 7 22.1	2.062	3.033	4.8	21.2
3 22	12 3.54	− 6 9.9	2.039	3.033	1.8	21.0
4 1	11 56.60	− 4 52.1	2.046	3.033	3.7	21.1
4 11	11 50.46	− 3 35.6	2.082	3.032	7.2	21.3
4 21	11 45.73	− 2 26.2	2.144	3.032	10.6	21.5

424787 2008 TE_{160} 3 21.5 220°.64 1°.9/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 28.81	+ 3 1.5	2.140	2.929	13.6	21.9
2 21	12 25.07	+ 3 32.4	2.048	2.926	10.7	21.7
3 2	12 19.23	+ 4 12.7	1.979	2.923	7.3	21.4
3 12	12 11.79	+ 4 58.1	1.937	2.919	3.6	21.2
3 22	12 3.47	+ 5 43.0	1.923	2.915	2.2	21.1
4 1	11 55.17	+ 6 22.0	1.938	2.912	5.4	21.3
4 11	11 47.76	+ 6 50.1	1.980	2.908	9.1	21.5
4 21	11 41.95	+ 7 4.5	2.047	2.904	12.4	21.7

34929 6522 P–L 3 21.5 93°.07 1°.2/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.61	+ 0 57.0	2.490	3.269	12.2	19.1
2 21	12 22.88	+ 1 33.3	2.414	3.286	9.5	18.9
3 2	12 17.44	+ 2 18.7	2.361	3.302	6.4	18.7
3 12	12 10.78	+ 3 9.3	2.336	3.318	3.1	18.6
3 22	12 3.53	+ 4 0.4	2.340	3.334	1.4	18.4
4 1	11 56.41	+ 4 47.1	2.373	3.350	4.4	18.7
4 11	11 50.09	+ 5 25.2	2.436	3.365	7.5	18.9
4 21	11 45.11	+ 5 51.9	2.523	3.380	10.3	19.1

459011 2011 YJ_8 3 21.5 70°.72 0°.7/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.13	− 2 5.2	1.509	2.304	18.0	21.6
2 21	12 26.76	− 1 32.0	1.443	2.322	14.2	21.4
3 2	12 20.65	− 0 41.4	1.397	2.340	9.7	21.2
3 12	12 12.53	+ 0 21.0	1.376	2.358	4.7	21.0
3 22	12 3.44	+ 1 27.9	1.380	2.376	0.9	20.7
4 1	11 54.61	+ 2 30.5	1.412	2.394	5.7	21.1
4 11	11 47.20	+ 3 21.2	1.469	2.412	10.3	21.4
4 21	11 41.97	+ 3 55.4	1.550	2.430	14.3	21.7

188089 2001 XR_{146} 3 21.5 176°.13 0°.5/22.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.46	− 4 49.4	2.496	3.248	12.9	21.7
2 21	12 25.24	− 4 24.4	2.399	3.251	10.3	21.5
3 2	12 19.17	− 3 46.4	2.324	3.253	7.2	21.3
3 12	12 11.70	− 2 57.9	2.277	3.254	3.7	21.1
3 22	12 3.49	− 2 3.1	2.259	3.255	0.5	20.8
4 1	11 55.28	− 1 6.8	2.272	3.255	3.7	21.1
4 11	11 47.86	− 0 14.4	2.314	3.255	7.2	21.3
4 21	11 41.83	+ 0 29.8	2.382	3.253	10.3	21.5

151199 2001 YT_{14} 3 21.5 128°.66 0°.2/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.94	− 3 25.3	2.176	2.939	14.2	21.4
2 21	12 26.58	− 3 7.2	2.093	2.952	11.3	21.3
3 2	12 20.15	− 2 36.1	2.033	2.965	7.8	21.1
3 12	12 12.19	− 1 55.1	1.999	2.978	4.0	20.8
3 22	12 3.47	− 1 8.7	1.993	2.990	0.3	20.5
4 1	11 54.85	− 0 22.0	2.018	3.001	4.1	20.9
4 11	11 47.21	+ 0 19.4	2.071	3.012	7.9	21.1
4 21	11 41.20	+ 0 51.5	2.150	3.023	11.2	21.4

303687 2005 NN_{64} 3 21.5 220°.90 1°.3/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.74	− 7 17.9	2.716	3.460	12.1	21.9
2 21	12 22.25	− 7 2.7	2.609	3.454	9.8	21.7
3 2	12 17.09	− 6 34.4	2.525	3.447	7.1	21.5
3 12	12 10.67	− 5 55.0	2.468	3.440	4.0	21.3
3 22	12 3.55	− 5 7.2	2.439	3.433	1.3	21.1
4 1	11 56.38	− 4 15.4	2.441	3.426	3.3	21.2
4 11	11 49.86	− 3 24.4	2.472	3.419	6.5	21.4
4 21	11 44.55	− 2 38.5	2.529	3.411	9.4	21.6

162573 2000 RT_{63} 3 21.5 200°.37 1°.8/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.95	− 8 23.0	1.972	2.722	15.9	21.5
2 21	12 27.08	− 8 9.7	1.872	2.719	13.0	21.3
3 2	12 20.81	− 7 38.0	1.792	2.715	9.4	21.1
3 12	12 12.67	− 6 49.4	1.737	2.710	5.4	20.8
3 22	12 3.44	− 5 47.9	1.710	2.704	1.9	20.6
4 1	11 54.15	− 4 39.8	1.712	2.698	4.4	20.7
4 11	11 45.83	− 3 32.6	1.743	2.691	8.6	20.9
4 21	11 39.31	− 2 33.0	1.798	2.683	12.4	21.2

273031 2006 DD_{117} 3 21.5 249°.10 0°.9/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.18	− 0 32.7	2.082	2.866	14.1	21.0
2 21	12 23.88	− 0 2.4	1.988	2.862	11.1	20.8
3 2	12 18.47	+ 0 40.5	1.917	2.858	7.6	20.5
3 12	12 11.44	+ 1 32.0	1.872	2.854	3.7	20.3
3 22	12 3.51	+ 2 26.9	1.854	2.850	1.1	20.1
4 1	11 55.57	+ 3 19.0	1.866	2.846	4.9	20.3
4 11	11 48.53	+ 4 2.6	1.905	2.842	8.8	20.6
4 21	11 43.08	+ 4 33.5	1.968	2.837	12.3	20.8

402986 2007 VJ_{80} 3 21.5 151°.94 0°.8/20.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.15	− 1 3.7	2.014	2.787	14.9	22.9
2 21	12 27.75	− 0 32.7	1.929	2.797	11.7	22.7
3 2	12 21.08	+ 0 11.3	1.867	2.805	8.0	22.5
3 12	12 12.71	+ 1 4.2	1.831	2.813	3.9	22.2
3 22	12 3.46	+ 2 0.4	1.824	2.820	0.9	22.0
4 1	11 54.29	+ 2 53.6	1.846	2.826	4.9	22.3
4 11	11 46.19	+ 3 37.8	1.897	2.832	8.9	22.6
4 21	11 39.85	+ 4 9.3	1.972	2.837	12.4	22.8

102255 1999 TR_{29} 3 21.5 257°.95 0°.8/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 28.24	− 5 40.0	1.723	2.500	16.9	20.5
2 21	12 25.34	− 5 19.1	1.623	2.489	13.7	20.2
3 2	12 19.85	− 4 38.8	1.544	2.478	9.7	19.9
3 12	12 12.28	− 3 41.7	1.489	2.467	5.1	19.7
3 22	12 3.47	− 2 33.1	1.460	2.456	0.8	19.3
4 1	11 54.53	− 1 20.6	1.459	2.445	5.0	19.6
4 11	11 46.63	− 0 12.9	1.485	2.433	9.8	19.8
4 21	11 40.69	+ 0 43.0	1.534	2.421	14.1	20.0

28288 1999 CL_{49} 3 21.5 352°.10 5°.2/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.91	+12 5.7	2.067	2.879	13.2	18.6
2 21	12 23.66	+13 9.8	1.989	2.878	10.4	18.5
3 2	12 18.28	+14 17.9	1.935	2.877	7.5	18.3
3 12	12 11.32	+15 22.6	1.908	2.876	5.4	18.1
3 22	12 3.53	+16 16.9	1.908	2.876	5.8	18.2
4 1	11 55.82	+16 54.6	1.935	2.875	8.2	18.3
4 11	11 49.07	+17 12.2	1.988	2.875	11.2	18.5
4 21	11 43.96	+17 9.0	2.062	2.875	13.9	18.7

215896 2005 GV_{58} 3 21.5 345°.09 4°.2/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.26	+ 4 28.3	1.290	2.123	18.4	19.9
2 21	12 22.87	+ 5 28.0	1.213	2.116	14.5	19.7
3 2	12 18.47	+ 6 43.5	1.155	2.109	9.9	19.4
3 12	12 11.67	+ 8 6.2	1.121	2.103	5.5	19.1
3 22	12 3.50	+ 9 25.1	1.110	2.099	4.8	19.0
4 1	11 55.35	+10 29.0	1.124	2.095	8.9	19.3
4 11	11 48.60	+11 9.4	1.161	2.092	13.7	19.5
4 21	11 44.24	+11 23.0	1.218	2.089	18.0	19.8

245200 2004 UJ_2 3 21.5 124°.13 3°.8/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 33.94	+ 6 25.2	1.723	2.523	15.9	21.2
2 21	12 29.45	+ 7 17.4	1.653	2.537	12.4	21.0
3 2	12 22.36	+ 8 18.3	1.606	2.550	8.5	20.7
3 12	12 13.36	+ 9 20.6	1.584	2.563	4.8	20.6
3 22	12 3.43	+10 16.5	1.590	2.576	4.2	20.5
4 1	11 53.72	+10 58.7	1.625	2.588	7.5	20.8
4 11	11 45.35	+11 22.5	1.685	2.599	11.3	21.0
4 21	11 39.07	+11 26.5	1.768	2.610	14.7	21.2

206146 2002 TL_{97} 3 21.5 160°.31 0°.4/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.50	− 4 7.5	2.528	3.286	12.6	21.7
2 21	12 23.68	− 3 47.8	2.434	3.290	10.0	21.6
3 2	12 18.08	− 3 16.2	2.363	3.294	7.0	21.4
3 12	12 11.16	− 2 35.3	2.319	3.297	3.6	21.2
3 22	12 3.55	− 1 48.6	2.304	3.301	0.4	20.9
4 1	11 55.97	− 1 0.9	2.320	3.303	3.6	21.2
4 11	11 49.15	− 0 17.0	2.364	3.306	7.0	21.4
4 21	11 43.66	+ 0 19.2	2.434	3.308	10.0	21.6

176004 2000 RZ_{15} 3 21.5 156°.51 3°.1/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.73	−14 56.7	3.370	4.055	11.0	21.4
2 21	12 23.41	−15 4.9	3.268	4.064	9.2	21.2
3 2	12 17.67	−15 0.4	3.188	4.072	7.1	21.1
3 12	12 10.90	−14 43.3	3.135	4.079	5.0	21.0
3 22	12 3.57	−14 15.0	3.111	4.086	3.3	20.8
4 1	11 56.26	−13 38.1	3.118	4.093	3.5	20.9
4 11	11 49.52	−12 56.1	3.154	4.098	5.3	21.0
4 21	11 43.81	−12 12.9	3.219	4.104	7.5	21.1

27867 1995 KF_4 3 21.5 84°.71 4°.2/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.94	−15 47.6	1.861	2.588	17.5	17.5
2 21	12 23.94	−15 37.4	1.778	2.602	14.6	17.3
3 2	12 18.61	−15 2.7	1.715	2.615	11.2	17.2
3 12	12 11.53	−14 4.1	1.674	2.629	7.5	17.0
3 22	12 3.54	−12 45.5	1.660	2.642	4.6	16.8
4 1	11 55.67	−11 13.6	1.673	2.655	5.0	16.9
4 11	11 48.90	− 9 37.8	1.714	2.669	8.2	17.1
4 21	11 43.96	− 8 6.8	1.780	2.682	11.7	17.3

90097 2002 XU_9 3 21.5 66°.97 6°.3/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.60	+16 9.3	2.155	2.966	12.7	19.1
2 21	12 24.05	+17 22.5	2.090	2.975	10.2	18.9
3 2	12 18.45	+18 35.9	2.050	2.983	7.7	18.8
3 12	12 11.37	+19 41.8	2.036	2.991	6.3	18.7
3 22	12 3.56	+20 33.3	2.049	3.000	6.9	18.8
4 1	11 55.91	+21 5.2	2.089	3.008	9.0	18.9
4 11	11 49.26	+21 15.1	2.154	3.017	11.5	19.1
4 21	11 44.22	+21 3.3	2.241	3.026	13.9	19.2

57922 2002 FU_8 3 21.5 136°.49 1°.6/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.78	− 9 25.9	2.221	2.966	14.5	19.1
2 21	12 23.38	− 8 53.6	2.131	2.975	11.7	18.9
3 2	12 18.01	− 8 3.3	2.062	2.983	8.5	18.7
3 12	12 11.17	− 6 57.4	2.019	2.991	4.8	18.5
3 22	12 3.57	− 5 40.4	2.004	2.998	1.7	18.3
4 1	11 56.03	− 4 18.8	2.020	3.005	3.8	18.5
4 11	11 49.37	− 2 59.5	2.063	3.012	7.4	18.7
4 21	11 44.22	− 1 48.7	2.133	3.019	10.8	18.9

313643 2003 SW_{94} 3 21.5 212°.08 2°.5/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 31.17	− 9 46.4	2.064	2.803	15.6	22.3
2 21	12 27.20	− 9 43.0	1.958	2.797	12.9	22.0
3 2	12 20.89	− 9 21.5	1.873	2.789	9.5	21.8
3 12	12 12.74	− 8 43.0	1.813	2.781	5.7	21.6
3 22	12 3.49	− 7 50.3	1.780	2.772	2.6	21.3
4 1	11 54.12	− 6 48.8	1.777	2.762	4.4	21.4
4 11	11 45.67	− 5 45.6	1.802	2.752	8.3	21.7
4 21	11 38.93	− 4 47.2	1.853	2.740	12.0	21.9

403781 2011 RU_{17} 3 21.5 62°.79 1°.2/22.5 18

2 11	12 28.28	− 7 14.9	1.369	2.158	19.9	21.5
2 21	12 25.67	− 6 47.0	1.301	2.173	16.0	21.3
3 2	12 20.13	− 5 54.8	1.252	2.188	11.3	21.1
3 12	12 12.37	− 4 42.3	1.225	2.204	6.0	20.8
3 22	12 3.51	− 3 17.2	1.224	2.220	1.2	20.5
4 1	11 54.88	− 1 49.9	1.249	2.236	5.4	20.9
4 11	11 47.74	− 0 31.0	1.299	2.252	10.4	21.2
4 21	11 42.94	+ 0 31.8	1.372	2.268	14.8	21.5

11492 Shimose 3 21.5 152°.35 0°.0/21.6 18

2 11	12 30.91	− 3 53.0	2.079	2.843	14.8	18.9
2 21	12 26.73	− 3 20.9	1.992	2.852	11.7	18.7
3 2	12 20.36	− 2 33.9	1.927	2.861	8.1	18.5
3 12	12 12.37	− 1 35.5	1.889	2.869	4.1	18.2
3 22	12 3.51	− 0 30.9	1.879	2.876	0.2	17.9
4 1	11 54.74	+ 0 33.3	1.899	2.882	4.4	18.3
4 11	11 46.96	+ 1 30.7	1.948	2.888	8.4	18.5
4 21	11 40.87	+ 2 16.5	2.022	2.893	11.9	18.8

457096 2008 EL_{136} 3 21.5 65°.78 1°.5/20.0 18

2 11	12 25.77	− 3 1.8	1.579	2.376	17.3	20.8
2 21	12 23.25	− 1 42.7	1.511	2.393	13.5	20.6
3 2	12 18.22	− 0 3.1	1.465	2.410	9.1	20.3
3 12	12 11.35	+ 1 49.6	1.443	2.426	4.3	20.1
3 22	12 3.57	+ 3 45.1	1.449	2.443	1.8	20.0
4 1	11 56.00	+ 5 32.5	1.482	2.461	6.2	20.3
4 11	11 49.69	+ 7 2.3	1.542	2.478	10.6	20.6
4 21	11 45.36	+ 8 9.3	1.625	2.495	14.4	20.9

100018 1989 TA_5 3 21.5 97°.46 2°.4/19.5 18

2 11	12 32.01	+ 2 15.1	1.615	2.414	16.9	20.2
2 21	12 28.08	+ 3 0.2	1.548	2.430	13.2	19.9
3 2	12 21.50	+ 3 58.1	1.501	2.446	8.9	19.7
3 12	12 12.97	+ 5 2.4	1.480	2.462	4.4	19.5
3 22	12 3.50	+ 6 5.0	1.485	2.478	2.7	19.4
4 1	11 54.26	+ 6 58.2	1.519	2.493	6.6	19.7
4 11	11 46.39	+ 7 35.8	1.578	2.507	10.8	20.0
4 21	11 40.66	+ 7 54.9	1.660	2.522	14.5	20.2

45740 2000 HG_{27} 3 21.5 202°.80 1°.1/22.9 18

2 11	12 24.84	− 8 3.7	2.553	3.299	12.8	19.5
2 21	12 21.66	− 7 26.7	2.450	3.297	10.3	19.3
3 2	12 16.75	− 6 34.1	2.370	3.293	7.4	19.1
3 12	12 10.54	− 5 28.2	2.316	3.290	4.1	18.9
3 22	12 3.62	− 4 13.1	2.291	3.286	1.1	18.6
4 1	11 56.69	− 2 54.5	2.297	3.282	3.5	18.8
4 11	11 50.45	− 1 38.3	2.332	3.278	6.8	19.0
4 21	11 45.49	− 0 30.0	2.393	3.273	10.0	19.2

33938 2000 LT_{33} 3 21.5 220°.89 4°.1/17.7 18

2 11	12 32.25	+ 7 3.2	1.852	2.652	15.0	19.0
2 21	12 28.26	+ 8 1.9	1.759	2.643	11.8	18.8
3 2	12 21.73	+ 9 10.2	1.690	2.634	8.2	18.5
3 12	12 13.19	+10 21.2	1.646	2.624	4.9	18.3
3 22	12 3.49	+11 26.8	1.631	2.613	4.6	18.2
4 1	11 53.74	+12 19.0	1.643	2.602	7.8	18.4
4 11	11 45.07	+12 52.2	1.682	2.590	11.6	18.6
4 21	11 38.32	+13 4.0	1.743	2.577	15.2	18.8

135243 2001 ST_{17} 3 21.5 165°.32 0°.8/20.4 18

2 11	12 26.75	+ 0 5.8	2.857	3.625	11.0	21.1
2 21	12 22.85	+ 0 39.3	2.764	3.630	8.7	20.9
3 2	12 17.40	+ 1 21.6	2.696	3.634	5.9	20.7
3 12	12 10.81	+ 2 9.6	2.656	3.638	2.8	20.5
3 22	12 3.62	+ 2 59.1	2.646	3.641	1.0	20.4
4 1	11 56.47	+ 3 45.9	2.666	3.644	3.8	20.6
4 11	11 49.99	+ 4 26.1	2.716	3.646	6.8	20.8
4 21	11 44.67	+ 4 56.7	2.792	3.648	9.5	21.0

161396 2003 UR_{132} 3 21.5 107°.33 5°.4/27.8 18

2 11	12 27.22	−19 14.7	2.261	2.951	15.7	19.8
2 21	12 23.85	−19 31.6	2.168	2.959	13.5	19.6
3 2	12 18.42	−19 27.7	2.094	2.967	10.8	19.4
3 12	12 11.43	−19 1.9	2.042	2.974	8.0	19.3
3 22	12 3.59	−18 15.8	2.017	2.982	5.8	19.2
4 1	11 55.77	−17 13.0	2.020	2.990	5.6	19.2
4 11	11 48.84	−16 0.2	2.050	2.997	7.6	19.3
4 21	11 43.47	−14 44.4	2.106	3.004	10.3	19.5

204618 2005 LL_{10} 3 21.5 194°.55 4°.1/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 25.60	+ 9 3.8	2.314	3.118	12.2	20.5
2 21	12 22.40	+10 13.4	2.231	3.118	9.5	20.3
3 2	12 17.32	+11 29.2	2.173	3.117	6.7	20.2
3 12	12 10.85	+12 44.7	2.143	3.116	4.4	20.0
3 22	12 3.63	+13 53.3	2.141	3.116	4.6	20.0
4 1	11 56.45	+14 48.9	2.168	3.115	7.0	20.2
4 11	11 50.09	+15 27.4	2.221	3.114	9.9	20.3
4 21	11 45.16	+15 46.8	2.297	3.113	12.6	20.5

27818 1993 TH_{24} 3 21.5 181°.79 1°.4/20.0 18

2 11	12 28.02	+ 1 20.1	2.301	3.082	13.0	19.7
2 21	12 24.29	+ 1 52.1	2.209	3.082	10.2	19.5
3 2	12 18.63	+ 2 34.0	2.141	3.083	6.9	19.3
3 12	12 11.50	+ 3 21.9	2.100	3.083	3.4	19.1
3 22	12 3.59	+ 4 10.9	2.088	3.082	1.6	18.9
4 1	11 55.72	+ 4 55.5	2.105	3.082	4.8	19.2
4 11	11 48.67	+ 5 31.1	2.151	3.081	8.3	19.4
4 21	11 43.09	+ 5 54.5	2.221	3.080	11.4	19.6

293227 2007 BA_{58} 3 21.5 64°.25 4°.2/16.1 17

2 11	12 24.68	+10 24.1	2.450	3.255	11.6	20.3
2 21	12 21.51	+11 30.2	2.376	3.263	9.0	20.2
3 2	12 16.60	+12 40.4	2.328	3.271	6.4	20.0
3 12	12 10.44	+13 48.7	2.307	3.279	4.4	19.9
3 22	12 3.65	+14 49.1	2.315	3.287	4.6	19.9
4 1	11 56.96	+15 36.4	2.352	3.295	6.8	20.1
4 11	11 51.06	+16 7.2	2.415	3.303	9.4	20.2
4 21	11 46.49	+16 20.3	2.501	3.311	11.9	20.4

455222 2001 RY_{29} 3 21.5 158°.35 0°.2/21.3 18

2 11	12 32.32	− 3 43.7	2.063	2.826	14.9	23.2
2 21	12 27.86	− 3 1.5	1.976	2.836	11.8	23.0
3 2	12 21.17	− 2 3.7	1.911	2.844	8.2	22.7
3 12	12 12.79	− 0 54.2	1.872	2.852	4.1	22.5
3 22	12 3.54	+ 0 21.0	1.863	2.859	0.4	22.2
4 1	11 54.36	+ 1 34.9	1.884	2.865	4.6	22.6
4 11	11 46.22	+ 2 40.6	1.933	2.870	8.7	22.8
4 21	11 39.80	+ 3 33.2	2.008	2.874	12.2	23.0

35123 1992 EB_{17} 3 21.5 188°.52 0°.4/21.1 18

2 11	12 30.67	− 3 4.1	1.908	2.681	15.6	19.8
2 21	12 26.87	− 2 25.3	1.814	2.681	12.4	19.6
3 2	12 20.67	− 1 29.9	1.743	2.680	8.6	19.3
3 12	12 12.63	− 0 22.0	1.697	2.678	4.2	19.1
3 22	12 3.54	+ 0 52.2	1.680	2.676	0.6	18.8
4 1	11 54.45	+ 2 5.2	1.691	2.673	5.1	19.1
4 11	11 46.39	+ 3 9.4	1.730	2.669	9.4	19.3
4 21	11 40.15	+ 3 59.4	1.794	2.665	13.2	19.6

457579 2008 YQ_{155} 3 21.5 141°.07 4°.0/25.1 18

2 11	12 31.99	−12 43.8	1.762	2.499	18.0	22.5
2 21	12 28.16	−12 57.7	1.674	2.506	15.0	22.2
3 2	12 21.68	−12 50.1	1.606	2.514	11.4	22.0
3 12	12 13.17	−12 20.9	1.561	2.521	7.4	21.8
3 22	12 3.52	−11 32.7	1.542	2.527	4.3	21.6
4 1	11 53.90	−10 31.1	1.550	2.533	5.2	21.7
4 11	11 45.48	− 9 24.4	1.586	2.539	8.9	21.9
4 21	11 39.10	− 8 20.6	1.646	2.544	12.7	22.2

110762 2001 UP_{19} 3 21.5 304°.03 4°.4/18.2 17

2 11	12 33.35	+ 9 29.3	1.677	2.485	15.9	19.9
2 21	12 29.37	+ 9 55.5	1.590	2.477	12.6	19.6
3 2	12 22.61	+10 26.9	1.525	2.469	8.9	19.4
3 12	12 13.66	+10 57.0	1.485	2.462	5.4	19.2
3 22	12 3.50	+11 18.8	1.471	2.455	4.8	19.1
4 1	11 53.36	+11 25.9	1.485	2.448	8.0	19.3
4 11	11 44.48	+11 14.8	1.524	2.441	12.0	19.5
4 21	11 37.75	+10 44.9	1.585	2.434	15.7	19.7

111467 2001 YQ_2 3 21.5 204°.39 7°.1/28.8 18

2 11	12 30.71	−22 23.0	2.227	2.891	16.5	19.2
2 21	12 26.87	−23 7.0	2.121	2.887	14.5	19.1
3 2	12 20.70	−23 30.2	2.034	2.884	12.1	18.9
3 12	12 12.68	−23 29.7	1.969	2.880	9.6	18.7
3 22	12 3.55	−23 4.7	1.929	2.875	7.6	18.6
4 1	11 54.27	−22 17.3	1.916	2.870	7.2	18.5
4 11	11 45.87	−21 13.2	1.929	2.865	8.8	18.6
4 21	11 39.18	−20 0.0	1.968	2.859	11.3	18.7

235615 2004 PS_{104} 3 21.5 131°.12 8°.3/29.2 18

2 11	12 40.08	−24 36.3	2.419	3.040	16.3	20.6
2 21	12 34.09	−26 4.7	2.323	3.052	14.4	20.5
3 2	12 25.61	−27 14.9	2.247	3.063	12.3	20.3
3 12	12 15.13	−28 2.7	2.195	3.074	10.2	20.2
3 22	12 3.45	−28 25.5	2.168	3.085	8.7	20.1
4 1	11 51.62	−28 23.4	2.169	3.095	8.3	20.1
4 11	11 40.75	−28 0.3	2.198	3.104	9.4	20.2
4 21	11 31.70	−27 22.7	2.253	3.114	11.2	20.3

132109 2002 CS_{217} 3 21.5 263°.48 0°.4/21.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 31.35	− 1 36.9	1.703	2.488	16.7	20.5
2 21	12 27.94	− 1 23.4	1.599	2.472	13.4	20.3
3 2	12 21.78	− 0 54.7	1.516	2.455	9.4	20.0
3 12	12 13.36	− 0 13.9	1.457	2.438	4.7	19.7
3 22	12 3.54	+ 0 33.7	1.425	2.421	0.5	19.3
4 1	11 53.50	+ 1 21.2	1.421	2.404	5.6	19.6
4 11	11 44.51	+ 2 1.2	1.443	2.386	10.5	19.9
4 21	11 37.57	+ 2 28.2	1.488	2.368	14.9	20.1

386113 2007 RJ_{148} 3 21.5 142°.49 6°.0/15.3 18

2 11	12 27.98	+ 2 13.6	1.286	2.108	19.1	20.7
2 21	12 25.78	+ 5 4.4	1.216	2.115	14.8	20.5
3 2	12 20.46	+ 8 21.5	1.169	2.121	10.0	20.2
3 12	12 12.69	+11 48.9	1.149	2.127	6.4	20.0
3 22	12 3.58	+15 6.3	1.156	2.132	7.3	20.1
4 1	11 54.59	+17 54.4	1.191	2.137	11.5	20.3
4 11	11 47.13	+20 1.3	1.250	2.142	16.0	20.6
4 21	11 42.15	+21 23.7	1.328	2.146	19.9	20.9

63546 2001 PX_{53} 3 21.5 25°.77 5°.2/15.5 18

2 11	12 24.37	+ 9 47.1	1.931	2.748	13.8	19.2
2 21	12 21.81	+11 14.9	1.859	2.752	10.8	19.0
3 2	12 17.11	+12 49.7	1.810	2.756	7.6	18.8
3 12	12 10.81	+14 23.1	1.789	2.760	5.4	18.7
3 22	12 3.68	+15 46.4	1.795	2.765	5.8	18.7
4 1	11 56.64	+16 52.1	1.828	2.770	8.5	18.9
4 11	11 50.60	+17 35.3	1.886	2.775	11.6	19.1
4 21	11 46.21	+17 54.7	1.965	2.780	14.5	19.3

500407 2012 TC_{110} 3 21.5 170°.01 1°.0/22.6 17

2 11	12 30.05	− 4 37.8	2.523	3.273	12.8	21.5
2 21	12 25.72	− 4 40.2	2.425	3.275	10.3	21.4
3 2	12 19.54	− 4 31.7	2.351	3.277	7.3	21.2
3 12	12 11.96	− 4 13.8	2.303	3.279	3.9	21.0
3 22	12 3.63	− 3 49.4	2.285	3.280	1.0	20.7
4 1	11 55.30	− 3 22.2	2.297	3.281	3.6	20.9
4 11	11 47.74	− 2 56.3	2.337	3.282	6.9	21.1
4 21	11 41.57	− 2 35.4	2.405	3.283	10.0	21.3

100676 1997 XO_5 3 21.5 179°.22 2°.2/18.9 16

2 11	12 30.11	+ 3 56.9	2.527	3.306	12.0	21.6
2 21	12 25.73	+ 4 45.6	2.436	3.308	9.4	21.5
3 2	12 19.52	+ 5 42.6	2.369	3.309	6.4	21.3
3 12	12 11.94	+ 6 43.3	2.330	3.310	3.3	21.1
3 22	12 3.63	+ 7 42.2	2.321	3.310	2.5	21.0
4 1	11 55.36	+ 8 34.2	2.343	3.309	5.2	21.2
4 11	11 47.87	+ 9 14.7	2.393	3.307	8.3	21.4
4 21	11 41.76	+ 9 41.2	2.468	3.305	11.2	21.6

252193 2001 FB_9 3 21.5 101°.15 6°.2/23.9 17

2 11	12 48.06	− 7 52.8	1.196	1.958	23.6	20.3
2 21	12 42.36	− 9 40.6	1.119	1.967	19.7	20.0
3 2	12 32.42	−11 14.0	1.060	1.976	15.0	19.7
3 12	12 18.90	−12 28.2	1.022	1.985	9.9	19.5
3 22	12 3.29	−13 19.3	1.010	1.994	6.3	19.3
4 1	11 47.66	−13 47.4	1.024	2.003	8.1	19.4
4 11	11 34.14	−13 58.2	1.063	2.011	12.7	19.7
4 21	11 24.15	−14 0.1	1.123	2.019	17.4	20.0

380955 2006 MS_{11} 3 21.5 298°.66 6°.2/14.6 17

2 11	12 27.28	+14 14.3	1.991	2.806	13.5	20.3
2 21	12 24.14	+15 30.5	1.912	2.801	10.8	20.1
3 2	12 18.75	+16 50.0	1.857	2.795	8.0	19.9
3 12	12 11.66	+18 4.4	1.827	2.789	6.3	19.8
3 22	12 3.65	+19 5.6	1.825	2.784	6.9	19.8
4 1	11 55.68	+19 47.1	1.850	2.778	9.4	20.0
4 11	11 48.71	+20 5.1	1.899	2.773	12.3	20.1
4 21	11 43.46	+19 59.3	1.969	2.767	15.0	20.3

299330 2005 QE_{174} 3 21.5 207°.55 1°.1/23.1 17

2 11	12 25.73	− 7 4.6	2.934	3.675	11.4	21.5
2 21	12 22.12	− 6 48.4	2.827	3.670	9.2	21.3
3 2	12 16.97	− 6 20.1	2.743	3.665	6.6	21.1
3 12	12 10.66	− 5 41.6	2.686	3.659	3.7	20.9
3 22	12 3.71	− 4 55.8	2.659	3.653	1.2	20.7
4 1	11 56.72	− 4 6.3	2.662	3.647	3.1	20.8
4 11	11 50.34	− 3 17.7	2.695	3.641	6.1	21.0
4 21	11 45.06	− 2 33.8	2.755	3.634	8.8	21.2

170335 2003 SW_{108} 3 21.5 91°.75 3°.9/24.9 18

2 11	12 30.26	−12 8.5	1.655	2.403	18.6	19.9
2 21	12 26.92	−12 20.9	1.573	2.413	15.4	19.6
3 2	12 20.90	−12 11.0	1.510	2.423	11.6	19.4
3 12	12 12.81	−11 38.9	1.469	2.432	7.4	19.2
3 22	12 3.60	−10 48.0	1.454	2.442	4.1	19.0
4 1	11 54.46	− 9 44.3	1.467	2.451	5.2	19.1
4 11	11 46.58	− 8 36.6	1.505	2.460	9.1	19.4
4 21	11 40.81	− 7 33.2	1.568	2.469	13.0	19.6

353986 2000 LV_1 3 21.5 285°.00 17°.0/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 34.94	+39 0.0	1.518	2.312	18.0	20.1
2 21	12 32.13	+41 47.0	1.464	2.288	17.2	19.9
3 2	12 25.42	+44 16.9	1.429	2.263	17.1	19.9
3 12	12 15.42	+46 13.0	1.415	2.238	18.0	19.8
3 22	12 3.46	+47 22.1	1.419	2.214	19.5	19.9
4 1	11 51.44	+47 37.3	1.440	2.188	21.5	19.9
4 11	11 41.31	+46 59.8	1.474	2.163	23.5	20.0
4 21	11 34.36	+45 36.6	1.518	2.138	25.4	20.1

303843 2005 SO_{172} 3 21.5 287°.74 0°.5/21.0 17

2 11	12 25.79	− 1 11.0	2.375	3.152	12.8	21.4
2 21	12 22.59	− 0 48.5	2.273	3.141	10.1	21.2
3 2	12 17.52	− 0 15.0	2.193	3.131	7.0	21.0
3 12	12 11.02	+ 0 26.7	2.140	3.121	3.4	20.8
3 22	12 3.70	+ 1 12.4	2.115	3.111	0.6	20.5
4 1	11 56.33	+ 1 56.9	2.119	3.101	4.2	20.8
4 11	11 49.69	+ 2 35.4	2.152	3.091	7.8	21.0
4 21	11 44.41	+ 3 4.0	2.210	3.081	11.0	21.2

37632 1993 TT_{37} 3 21.5 223°.78 4°.2/17.9 18

2 11	12 33.09	+ 7 36.2	1.780	2.582	15.4	19.5
2 21	12 29.03	+ 8 24.2	1.690	2.574	12.2	19.2
3 2	12 22.33	+ 9 20.8	1.622	2.567	8.5	19.0
3 12	12 13.54	+10 19.0	1.580	2.558	5.0	18.8
3 22	12 3.58	+11 11.1	1.566	2.549	4.6	18.7
4 1	11 53.58	+11 49.5	1.579	2.540	7.9	18.9
4 11	11 44.73	+12 9.1	1.618	2.530	11.8	19.1
4 21	11 37.90	+12 8.1	1.680	2.520	15.4	19.3

145621 2006 QG_{95} 3 21.5 116°.07 3°.3/17.0 17

2 11	12 25.94	+ 7 34.8	2.614	3.409	11.3	20.5
2 21	12 22.35	+ 8 42.5	2.541	3.423	8.7	20.4
3 2	12 17.11	+ 9 55.8	2.494	3.436	6.0	20.2
3 12	12 10.71	+11 9.1	2.474	3.450	3.7	20.1
3 22	12 3.73	+12 16.9	2.485	3.463	3.7	20.1
4 1	11 56.85	+13 13.8	2.524	3.476	5.9	20.3
4 11	11 50.74	+13 56.3	2.592	3.488	8.5	20.5
4 21	11 45.89	+14 22.5	2.684	3.500	11.0	20.6

460069 2014 OA_{240} 3 21.5 144°.92 1°.4/22.8 18

2 11	12 33.25	− 6 8.4	1.841	2.601	16.6	22.7
2 21	12 28.94	− 6 3.7	1.756	2.610	13.4	22.5
3 2	12 22.11	− 5 42.2	1.691	2.618	9.5	22.3
3 12	12 13.37	− 5 6.2	1.651	2.626	5.2	22.0
3 22	12 3.60	− 4 20.0	1.638	2.634	1.4	21.8
4 1	11 53.91	− 3 29.5	1.655	2.640	4.5	22.0
4 11	11 45.37	− 2 41.7	1.699	2.646	8.8	22.3
4 21	11 38.79	− 2 2.2	1.768	2.652	12.7	22.5

348834 2006 RV_{92} 3 21.6 108°.93 0°.7/22.4 17

2 11	12 26.25	− 5 29.4	2.590	3.344	12.4	22.0
2 21	12 22.63	− 5 6.1	2.504	3.357	9.9	21.9
3 2	12 17.34	− 4 30.3	2.441	3.369	6.9	21.7
3 12	12 10.84	− 3 44.6	2.405	3.382	3.7	21.5
3 22	12 3.73	− 2 52.8	2.398	3.394	0.7	21.3
4 1	11 56.70	− 1 59.6	2.422	3.406	3.4	21.5
4 11	11 50.43	− 1 9.7	2.474	3.418	6.6	21.7
4 21	11 45.42	− 0 27.1	2.553	3.430	9.5	21.9

55229 2001 RH_{73} 3 21.6 198°.27 2°.3/24.6 18

2 11	12 25.26	−11 46.3	2.667	3.391	12.8	19.8
2 21	12 21.96	−11 28.0	2.561	3.389	10.5	19.7
3 2	12 16.97	−10 53.6	2.478	3.386	7.9	19.5
3 12	12 10.70	−10 4.5	2.420	3.383	4.9	19.3
3 22	12 3.74	− 9 3.6	2.392	3.380	2.5	19.1
4 1	11 56.75	− 7 55.2	2.393	3.377	3.5	19.2
4 11	11 50.44	− 6 45.1	2.423	3.373	6.4	19.4
4 21	11 45.36	− 5 38.6	2.480	3.369	9.3	19.5

362125 2009 DU_{15} 3 21.6 61°.15 1°.6/22.8 18

2 11	12 30.84	− 5 50.0	1.510	2.291	18.7	21.2
2 21	12 27.64	− 5 53.8	1.429	2.295	15.1	20.9
3 2	12 21.55	− 5 38.7	1.366	2.299	10.8	20.7
3 12	12 13.21	− 5 6.8	1.327	2.304	5.9	20.4
3 22	12 3.62	− 4 22.7	1.313	2.308	1.6	20.1
4 1	11 54.07	− 3 33.3	1.326	2.312	5.2	20.4
4 11	11 45.87	− 2 46.8	1.364	2.317	10.0	20.6
4 21	11 39.93	− 2 9.8	1.426	2.321	14.4	20.9

32110 2000 KA_{73} 3 21.6 154°.85 1°.1/20.1 18

2 11	12 27.57	− 1 30.4	2.359	3.131	13.0	18.9
2 21	12 23.87	− 0 28.7	2.271	3.139	10.2	18.7
3 2	12 18.30	+ 0 46.2	2.208	3.146	6.9	18.5
3 12	12 11.37	+ 2 9.7	2.171	3.153	3.3	18.3
3 22	12 3.71	+ 3 35.7	2.165	3.160	1.3	18.2
4 1	11 56.12	+ 4 57.5	2.189	3.165	4.7	18.4
4 11	11 49.35	+ 6 9.0	2.242	3.170	8.1	18.6
4 21	11 44.00	+ 7 6.0	2.321	3.175	11.2	18.8

43386 2000 WJ_{57} 3 21.6 52°.10 0°.6/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 28.78	− 2 41.3	1.332	2.137	19.5	18.9
2 21	12 26.09	− 2 7.2	1.269	2.154	15.4	18.6
3 2	12 20.44	− 1 13.2	1.226	2.171	10.5	18.4
3 12	12 12.58	− 0 5.1	1.206	2.189	5.1	18.1
3 22	12 3.66	+ 1 8.5	1.211	2.208	0.8	17.9
4 1	11 55.02	+ 2 17.5	1.243	2.226	6.1	18.3
4 11	11 47.93	+ 3 13.3	1.298	2.245	11.0	18.6
4 21	11 43.21	+ 3 50.6	1.376	2.264	15.3	18.9

363313 2002 NU_{74} 3 21.6 234°.72 0°.8/20.7 16

2 11	12 29.70	− 1 45.3	2.093	2.866	14.4	22.8
2 21	12 26.03	− 1 4.8	1.985	2.852	11.4	22.6
3 2	12 20.12	− 0 9.4	1.900	2.838	7.9	22.3
3 12	12 12.43	+ 0 57.1	1.841	2.822	3.9	22.0
3 22	12 3.66	+ 2 9.2	1.810	2.806	1.0	21.8
4 1	11 54.76	+ 3 19.7	1.810	2.789	5.0	22.0
4 11	11 46.70	+ 4 21.7	1.837	2.772	9.2	22.2
4 21	11 40.27	+ 5 10.1	1.889	2.753	12.9	22.4

403013 2007 VX_{332} 3 21.6 124°.00 2°.6/23.7 18

2 11	12 33.03	− 8 30.2	1.778	2.531	17.3	21.7
2 21	12 28.87	− 8 40.9	1.694	2.542	14.1	21.5
3 2	12 22.13	− 8 33.5	1.630	2.551	10.3	21.3
3 12	12 13.41	− 8 9.1	1.591	2.561	6.1	21.0
3 22	12 3.62	− 7 31.2	1.578	2.570	2.7	20.8
4 1	11 53.91	− 6 45.1	1.593	2.579	4.7	21.0
4 11	11 45.40	− 5 58.0	1.636	2.587	8.8	21.2
4 21	11 38.91	− 5 16.2	1.703	2.595	12.6	21.5

518614 2008 AZ_{138} 3 21.6 186°.06 2°.8/25.0 17

2 11	12 28.18	−11 57.2	2.905	3.617	12.1	22.4
2 21	12 24.09	−12 6.4	2.799	3.616	10.0	22.3
3 2	12 18.35	−12 2.4	2.716	3.616	7.6	22.1
3 12	12 11.38	−11 45.7	2.658	3.615	5.0	21.9
3 22	12 3.72	−11 17.9	2.629	3.613	2.9	21.8
4 1	11 56.03	−10 41.9	2.630	3.611	3.6	21.8
4 11	11 48.97	−10 1.9	2.661	3.609	6.0	22.0
4 21	11 43.09	− 9 22.1	2.719	3.606	8.7	22.1

503184 2015 GH_{45} 3 21.6 190°.81 2°.1/18.9 17

2 11	12 24.81	+ 2 21.3	2.415	3.203	12.2	21.4
2 21	12 21.72	+ 3 20.5	2.325	3.203	9.5	21.2
3 2	12 16.85	+ 4 30.0	2.258	3.202	6.4	21.0
3 12	12 10.66	+ 5 45.0	2.220	3.202	3.3	20.8
3 22	12 3.76	+ 6 59.5	2.210	3.201	2.4	20.7
4 1	11 56.87	+ 8 7.5	2.231	3.200	5.2	20.9
4 11	11 50.74	+ 9 3.6	2.279	3.199	8.4	21.1
4 21	11 45.93	+ 9 44.6	2.352	3.197	11.4	21.3

293105 2006 XF_{19} 3 21.6 100°.37 2°.0/19.7 18

2 11	12 29.34	+ 1 29.9	1.820	2.613	15.4	20.8
2 21	12 25.79	+ 2 14.2	1.744	2.624	12.1	20.6
3 2	12 19.88	+ 3 11.1	1.690	2.635	8.2	20.4
3 12	12 12.23	+ 4 15.0	1.662	2.645	4.0	20.2
3 22	12 3.68	+ 5 18.7	1.662	2.655	2.2	20.1
4 1	11 55.28	+ 6 15.2	1.690	2.665	5.9	20.3
4 11	11 48.01	+ 6 58.2	1.745	2.675	9.9	20.6
4 21	11 42.59	+ 7 24.5	1.823	2.685	13.4	20.8

243236 2007 VZ_{146} 3 21.6 74°.52 8°.2/11.6 17

2 11	12 30.05	+23 57.9	2.233	3.037	12.6	20.3
2 21	12 26.00	+25 15.5	2.176	3.045	10.5	20.2
3 2	12 19.82	+26 27.2	2.144	3.052	8.9	20.1
3 12	12 12.12	+27 25.0	2.136	3.060	8.2	20.1
3 22	12 3.69	+28 2.5	2.155	3.067	9.0	20.1
4 1	11 55.47	+28 15.5	2.200	3.075	10.7	20.2
4 11	11 48.32	+28 3.2	2.267	3.082	12.7	20.4
4 21	11 42.87	+27 27.6	2.355	3.090	14.6	20.5

504120 2006 RQ_{43} 3 21.6 211°.52 0°.1/21.7 17

2 11	12 24.66	− 4 38.6	2.598	3.359	12.2	22.0
2 21	12 21.51	− 3 58.0	2.497	3.355	9.7	21.9
3 2	12 16.67	− 3 3.8	2.418	3.351	6.8	21.7
3 12	12 10.56	− 1 59.2	2.367	3.346	3.4	21.4
3 22	12 3.76	− 0 48.6	2.346	3.342	0.2	21.1
4 1	11 56.95	+ 0 22.7	2.354	3.337	3.7	21.4
4 11	11 50.81	+ 1 29.0	2.392	3.332	7.0	21.6
4 21	11 45.90	+ 2 25.8	2.456	3.327	10.0	21.8

188119 2002 AV_{183} 3 21.6 83°.37 4°.2/16.9 18

2 11	12 28.95	+ 6 3.7	1.880	2.683	14.7	19.9
2 21	12 25.24	+ 7 37.9	1.824	2.711	11.3	19.8
3 2	12 19.33	+ 9 20.9	1.792	2.737	7.7	19.6
3 12	12 11.87	+11 4.1	1.787	2.764	4.7	19.5
3 22	12 3.71	+12 38.5	1.810	2.790	4.7	19.5
4 1	11 55.82	+13 56.0	1.863	2.815	7.6	19.7
4 11	11 49.09	+14 52.0	1.941	2.840	10.8	20.0
4 21	11 44.14	+15 24.8	2.042	2.865	13.7	20.2

28878 Segner 3 21.6 168°.31 0°.1/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 30.05	− 3 34.3	2.304	3.064	13.6	19.7
2 21	12 25.91	− 3 9.3	2.211	3.069	10.8	19.5
3 2	12 19.77	− 2 31.3	2.140	3.072	7.5	19.3
3 12	12 12.13	− 1 43.2	2.097	3.076	3.8	19.1
3 22	12 3.69	− 0 49.4	2.082	3.078	0.2	18.8
4 1	11 55.29	+ 0 4.7	2.098	3.081	4.0	19.1
4 11	11 47.74	+ 0 53.5	2.142	3.082	7.7	19.3
4 21	11 41.70	+ 1 32.7	2.212	3.083	11.0	19.6

506449 2001 TV_{55} 3 21.6 229°.26 0°.9/20.4 17

2 11	12 27.02	+ 0 11.7	2.970	3.736	10.7	22.6
2 21	12 23.15	+ 0 46.2	2.858	3.722	8.5	22.4
3 2	12 17.71	+ 1 29.7	2.770	3.708	5.8	22.2
3 12	12 11.07	+ 2 19.2	2.711	3.692	2.8	22.0
3 22	12 3.75	+ 3 11.0	2.682	3.677	1.0	21.8
4 1	11 56.35	+ 4 0.6	2.684	3.661	3.9	22.0
4 11	11 49.53	+ 4 44.0	2.715	3.644	6.9	22.2
4 21	11 43.80	+ 5 18.0	2.773	3.627	9.6	22.3

217057 2001 RF_{37} 3 21.6 211°.47 2°.5/24.1 17

2 11	12 30.94	− 9 59.4	2.291	3.023	14.5	21.9
2 21	12 26.80	−10 2.7	2.183	3.016	11.9	21.7
3 2	12 20.53	− 9 50.2	2.097	3.009	8.9	21.5
3 12	12 12.59	− 9 22.5	2.035	3.001	5.5	21.3
3 22	12 3.68	− 8 42.0	2.002	2.992	2.7	21.1
4 1	11 54.66	− 7 53.0	1.999	2.983	4.1	21.1
4 11	11 46.45	− 7 1.2	2.024	2.973	7.5	21.3
4 21	11 39.78	− 6 12.4	2.076	2.962	10.9	21.5

464014 2014 WY_{117} 3 21.6 306°.87 4°.2/18.2 17

2 11	12 29.73	+ 6 38.7	1.545	2.360	16.7	21.2
2 21	12 26.76	+ 7 25.0	1.461	2.353	13.2	21.0
3 2	12 20.97	+ 8 21.8	1.398	2.347	9.1	20.7
3 12	12 12.94	+ 9 21.5	1.360	2.340	5.2	20.4
3 22	12 3.66	+10 15.6	1.348	2.334	4.6	20.4
4 1	11 54.38	+10 55.6	1.362	2.328	8.2	20.6
4 11	11 46.36	+11 15.5	1.400	2.322	12.5	20.8
4 21	11 40.54	+11 13.3	1.460	2.316	16.4	21.0

370728 2004 RV_{69} 3 21.6 197°.79 0°.1/21.5 17

2 11	12 30.59	− 1 45.8	2.055	2.829	14.6	21.0
2 21	12 26.64	− 1 36.4	1.962	2.827	11.6	20.8
3 2	12 20.45	− 1 14.9	1.890	2.826	8.1	20.6
3 12	12 12.55	− 0 44.2	1.844	2.825	4.1	20.4
3 22	12 3.69	− 0 8.6	1.826	2.823	0.2	20.0
4 1	11 54.83	+ 0 26.8	1.838	2.821	4.5	20.4
4 11	11 46.93	+ 0 56.7	1.877	2.819	8.5	20.6
4 21	11 40.71	+ 1 17.0	1.941	2.816	12.1	20.8

172602 2003 WA_{49} 3 21.6 322°.96 3°.6/18.9 18

2 11	12 29.41	+ 5 17.4	1.398	2.218	17.9	19.8
2 21	12 26.86	+ 5 48.3	1.313	2.207	14.2	19.5
3 2	12 21.26	+ 6 30.9	1.247	2.197	9.8	19.2
3 12	12 13.18	+ 7 18.4	1.205	2.187	5.3	18.9
3 22	12 3.66	+ 8 2.5	1.188	2.178	4.0	18.8
4 1	11 54.07	+ 8 34.5	1.196	2.170	8.1	19.0
4 11	11 45.85	+ 8 47.9	1.228	2.161	12.9	19.3
4 21	11 40.01	+ 8 40.0	1.281	2.154	17.3	19.5

104678 2000 GB_{152} 3 21.6 130°.31 0°.3/21.2 18

2 11	12 27.03	− 2 15.5	2.274	3.047	13.4	20.0
2 21	12 23.55	− 1 45.1	2.186	3.052	10.6	19.8
3 2	12 18.15	− 1 2.2	2.121	3.058	7.3	19.6
3 12	12 11.33	− 0 10.4	2.082	3.063	3.6	19.4
3 22	12 3.76	+ 0 45.7	2.071	3.068	0.5	19.1
4 1	11 56.24	+ 1 40.3	2.091	3.073	4.2	19.4
4 11	11 49.56	+ 2 28.2	2.138	3.077	7.8	19.6
4 21	11 44.34	+ 3 5.3	2.211	3.082	11.0	19.9

436005 2009 FD_{71} 3 21.6 242°.30 8°.6/10.9 17

2 11	12 39.62	+31 19.3	2.733	3.498	11.6	21.2
2 21	12 33.20	+32 8.5	2.658	3.488	10.1	21.1
3 2	12 24.63	+32 48.1	2.607	3.478	9.0	21.0
3 12	12 14.49	+33 10.8	2.583	3.468	8.7	21.0
3 22	12 3.61	+33 11.6	2.585	3.457	9.2	21.0
4 1	11 52.93	+32 47.7	2.613	3.447	10.5	21.0
4 11	11 43.35	+31 59.3	2.666	3.436	12.2	21.1
4 21	11 35.51	+30 49.4	2.741	3.425	13.8	21.3

110451 2001 TQ_{41} 3 21.6 189°.06 5°.8/28.2 18

2 11	12 30.80	−20 58.0	2.527	3.189	14.8	19.6
2 21	12 26.58	−21 24.8	2.419	3.188	12.9	19.4
3 2	12 20.32	−21 32.5	2.331	3.187	10.5	19.2
3 12	12 12.47	−21 19.6	2.266	3.184	8.1	19.1
3 22	12 3.70	−20 46.1	2.227	3.181	6.2	18.9
4 1	11 54.84	−19 54.7	2.217	3.178	5.9	18.9
4 11	11 46.76	−18 50.7	2.235	3.174	7.6	19.0
4 21	11 40.16	−17 40.6	2.280	3.169	10.0	19.1

308020 2004 RM_{222} 3 21.6 54°.78 2°.4/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 40.52	+ 5 13.7	1.733	2.516	16.5	19.3
2 21	12 34.05	+ 5 29.8	1.692	2.565	12.8	19.1
3 2	12 25.13	+ 5 52.7	1.673	2.614	8.6	19.0
3 12	12 14.62	+ 6 16.8	1.681	2.662	4.3	18.8
3 22	12 3.62	+ 6 36.8	1.718	2.710	2.7	18.8
4 1	11 53.27	+ 6 47.9	1.784	2.757	6.0	19.1
4 11	11 44.54	+ 6 47.4	1.878	2.803	9.6	19.4
4 21	11 38.01	+ 6 34.5	1.996	2.849	12.8	19.7

331466 2012 HR_{34} 3 21.6 341°.73 3°.2/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.03	−13 59.5	1.572	2.331	18.9	20.5
2 21	12 20.70	−13 25.4	1.478	2.326	15.8	20.2
3 2	12 16.80	−12 21.1	1.403	2.321	11.8	20.0
3 12	12 10.87	−10 47.7	1.350	2.317	7.4	19.7
3 22	12 3.77	− 8 50.9	1.322	2.313	3.5	19.5
4 1	11 56.64	− 6 40.8	1.322	2.310	5.0	19.5
4 11	11 50.62	− 4 30.5	1.348	2.307	9.4	19.8
4 21	11 46.60	− 2 31.8	1.398	2.305	13.9	20.0

16092 1999 TP_{171} 3 21.6 313°.99 0°.4/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.69	− 2 9.2	1.433	2.238	18.3	18.6
2 21	12 24.71	− 1 51.4	1.339	2.223	14.7	18.3
3 2	12 19.81	− 1 14.8	1.264	2.208	10.3	18.0
3 12	12 12.50	− 0 23.1	1.211	2.194	5.2	17.7
3 22	12 3.70	+ 0 37.1	1.184	2.181	0.6	17.3
4 1	11 54.72	+ 1 37.2	1.183	2.167	6.1	17.6
4 11	11 46.95	+ 2 27.9	1.206	2.155	11.5	17.9
4 21	11 41.44	+ 3 2.5	1.250	2.143	16.2	18.1

285640 2000 SA_{16} 3 21.6 149°.05 1°.5/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.59	− 6 53.7	2.963	3.695	11.5	21.7
2 21	12 25.05	− 6 59.1	2.866	3.703	9.3	21.5
3 2	12 18.93	− 6 53.9	2.793	3.711	6.7	21.4
3 12	12 11.65	− 6 39.6	2.748	3.718	3.9	21.2
3 22	12 3.75	− 6 18.2	2.732	3.725	1.5	21.0
4 1	11 55.88	− 5 52.6	2.747	3.731	3.1	21.2
4 11	11 48.68	− 5 26.5	2.792	3.737	5.9	21.4
4 21	11 42.65	− 5 3.2	2.864	3.743	8.5	21.5

182751 2001 XP_{129} 3 21.6 195°.83 1°.0/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.08	+ 0 10.0	2.457	3.227	12.6	21.4
2 21	12 25.85	+ 0 44.6	2.358	3.224	9.9	21.2
3 2	12 19.71	+ 1 29.8	2.282	3.220	6.8	21.0
3 12	12 12.12	+ 2 21.9	2.234	3.216	3.3	20.8
3 22	12 3.73	+ 3 16.2	2.216	3.211	1.2	20.6
4 1	11 55.32	+ 4 7.4	2.228	3.205	4.5	20.9
4 11	11 47.69	+ 4 50.6	2.269	3.198	8.0	21.1
4 21	11 41.46	+ 5 22.3	2.335	3.191	11.1	21.3

147940 2203 $T\text{-}_2$ 3 21.6 104°.37 0°.6/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.50	− 6 31.5	1.899	2.664	15.9	20.6
2 21	12 25.03	− 5 51.8	1.821	2.680	12.7	20.4
3 2	12 19.31	− 4 53.6	1.764	2.695	8.9	20.2
3 12	12 11.94	− 3 40.8	1.733	2.711	4.7	20.0
3 22	12 3.74	− 2 19.3	1.729	2.725	0.6	19.7
4 1	11 55.68	− 0 57.1	1.755	2.740	4.4	20.0
4 11	11 48.71	+ 0 18.3	1.808	2.754	8.5	20.3
4 21	11 43.49	+ 1 20.8	1.887	2.768	12.1	20.5

263431 2008 DY_{68} 3 21.6 15°.35 2°.4/19.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.96	+ 1 7.4	1.316	2.139	18.7	20.7
2 21	12 23.27	+ 1 51.1	1.247	2.143	14.7	20.5
3 2	12 18.66	+ 2 52.0	1.197	2.148	9.9	20.2
3 12	12 11.80	+ 4 3.0	1.169	2.154	4.9	19.9
3 22	12 3.75	+ 5 14.7	1.167	2.160	2.7	19.8
4 1	11 55.85	+ 6 17.0	1.189	2.168	7.2	20.1
4 11	11 49.37	+ 7 1.6	1.236	2.177	12.1	20.4
4 21	11 45.20	+ 7 24.4	1.303	2.186	16.3	20.7

11353 Guillaume 3 21.6 214°.62 0°.4/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.01	− 4 16.1	2.462	3.222	12.8	18.7
2 21	12 23.47	− 3 55.3	2.360	3.217	10.3	18.5
3 2	12 18.09	− 3 21.8	2.281	3.213	7.2	18.3
3 12	12 11.33	− 2 38.2	2.229	3.208	3.7	18.0
3 22	12 3.78	− 1 48.3	2.206	3.202	0.4	17.7
4 1	11 56.21	− 0 56.9	2.213	3.197	3.7	18.0
4 11	11 49.36	− 0 9.2	2.248	3.191	7.3	18.2
4 21	11 43.86	+ 0 30.5	2.309	3.185	10.4	18.4

41314 1999 XN_{168} 3 21.6 254°.87 1°.9/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.83	+ 3 35.3	2.180	2.964	13.5	18.1
2 21	12 26.78	+ 3 55.9	2.077	2.952	10.7	17.9
3 2	12 20.56	+ 4 25.0	1.998	2.939	7.3	17.7
3 12	12 12.63	+ 4 58.6	1.945	2.926	3.7	17.4
3 22	12 3.72	+ 5 31.7	1.921	2.913	2.1	17.3
4 1	11 54.73	+ 5 59.2	1.926	2.900	5.4	17.5
4 11	11 46.59	+ 6 16.7	1.958	2.886	9.1	17.7
4 21	11 40.05	+ 6 21.4	2.016	2.872	12.5	17.9

92522 2000 NS_{28} 3 21.6 152°.15 0°.4/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 32.71	− 4 40.3	2.088	2.845	14.9	20.0
2 21	12 28.17	− 4 12.4	2.001	2.856	11.9	19.8
3 2	12 21.41	− 3 29.3	1.936	2.866	8.3	19.6
3 12	12 12.99	− 2 34.3	1.897	2.876	4.3	19.4
3 22	12 3.71	− 1 32.2	1.888	2.884	0.4	19.1
4 1	11 54.51	− 0 29.5	1.908	2.892	4.3	19.4
4 11	11 46.33	+ 0 27.5	1.957	2.898	8.3	19.6
4 21	11 39.88	+ 1 13.8	2.032	2.904	11.8	19.9

189610 2000 YE_{44} 3 21.6 121°.04 4°.0/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.23	+ 7 52.3	1.997	2.802	13.9	20.0
2 21	12 24.78	+ 8 52.2	1.919	2.806	10.8	19.8
3 2	12 19.15	+ 9 59.5	1.865	2.809	7.5	19.6
3 12	12 11.88	+11 7.3	1.836	2.813	4.6	19.5
3 22	12 3.77	+12 8.4	1.836	2.817	4.5	19.5
4 1	11 55.74	+12 56.1	1.864	2.820	7.3	19.6
4 11	11 48.73	+13 26.1	1.918	2.823	10.6	19.8
4 21	11 43.40	+13 36.5	1.995	2.827	13.6	20.0

38248 1999 QX 3 21.6 340°.61 1°.4/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.12	− 5 17.0	1.717	2.496	16.8	19.2
2 21	12 25.23	− 5 23.4	1.625	2.491	13.6	18.9
3 2	12 19.79	− 5 13.5	1.553	2.486	9.8	18.7
3 12	12 12.35	− 4 49.2	1.505	2.482	5.4	18.4
3 22	12 3.74	− 4 14.3	1.483	2.479	1.5	18.1
4 1	11 55.09	− 3 34.5	1.489	2.475	4.7	18.3
4 11	11 47.51	− 2 56.6	1.520	2.472	9.2	18.6
4 21	11 41.88	− 2 26.4	1.575	2.470	13.3	18.8

502970 2015 FP_{17} 3 21.6 277°.36 2°.3/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.62	+ 5 20.2	2.271	3.060	12.9	20.9
2 21	12 25.67	+ 5 41.1	2.176	3.053	10.1	20.7
3 2	12 19.68	+ 6 8.6	2.104	3.046	6.9	20.4
3 12	12 12.15	+ 6 38.5	2.059	3.039	3.6	20.2
3 22	12 3.76	+ 7 6.2	2.042	3.032	2.5	20.1
4 1	11 55.36	+ 7 27.0	2.055	3.025	5.5	20.3
4 11	11 47.81	+ 7 37.1	2.095	3.018	8.9	20.5
4 21	11 41.78	+ 7 34.4	2.160	3.011	12.0	20.7

38678 2000 PS_{26} 3 21.6 129°.08 4°.2/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.58	−16 44.8	2.320	3.020	15.1	19.4
2 21	12 24.81	−16 42.4	2.229	3.033	12.7	19.2
3 2	12 19.04	−16 19.7	2.159	3.045	9.9	19.0
3 12	12 11.80	−15 37.2	2.112	3.058	6.9	18.9
3 22	12 3.78	−14 37.1	2.093	3.069	4.5	18.7
4 1	11 55.82	−13 24.4	2.103	3.080	4.6	18.8
4 11	11 48.76	−12 5.6	2.141	3.091	7.1	18.9
4 21	11 43.22	−10 47.7	2.206	3.101	10.0	19.1

238556 2004 XN_{21} 3 21.6 133°.94 3°.3/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.60	+ 7 4.8	2.126	2.923	13.4	20.5
2 21	12 25.68	+ 7 49.8	2.046	2.928	10.5	20.4
3 2	12 19.68	+ 8 41.4	1.990	2.934	7.2	20.2
3 12	12 12.12	+ 9 34.0	1.960	2.939	4.2	20.0
3 22	12 3.76	+10 21.4	1.959	2.944	3.7	20.0
4 1	11 55.51	+10 58.0	1.987	2.948	6.5	20.1
4 11	11 48.22	+11 19.8	2.041	2.953	9.7	20.3
4 21	11 42.55	+11 25.1	2.119	2.957	12.7	20.5

175429 2006 QC_{10} 3 21.6 156°.33 2°.7/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.31	−11 16.1	2.939	3.648	12.0	21.0
2 21	12 25.69	−11 32.8	2.839	3.655	9.9	20.8
3 2	12 19.43	−11 37.3	2.761	3.661	7.5	20.7
3 12	12 11.94	−11 29.8	2.710	3.667	4.9	20.5
3 22	12 3.78	−11 11.9	2.688	3.672	2.9	20.4
4 1	11 55.62	−10 46.2	2.697	3.677	3.5	20.4
4 11	11 48.12	−10 16.4	2.736	3.682	6.0	20.6
4 21	11 41.84	− 9 46.5	2.802	3.686	8.5	20.8

29044 2154 $T\text{-}_2$ 3 21.6 55°.93 0°.3/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.70	− 3 9.0	1.702	2.485	16.8	19.1
2 21	12 26.39	− 2 58.1	1.618	2.488	13.4	18.9
3 2	12 20.52	− 2 31.5	1.554	2.492	9.4	18.7
3 12	12 12.67	− 1 52.4	1.514	2.495	4.8	18.4
3 22	12 3.74	− 1 6.0	1.502	2.498	0.3	18.0
4 1	11 54.86	− 0 18.9	1.516	2.501	5.0	18.4
4 11	11 47.15	+ 0 21.9	1.558	2.505	9.5	18.7
4 21	11 41.42	+ 0 51.3	1.623	2.508	13.5	18.9

464913 2005 TD_{81} 3 21.6 130°.77 2°.7/24.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.71	−12 21.0	2.083	2.817	15.7	22.0
2 21	12 24.34	−12 0.2	1.993	2.826	12.9	21.8
3 2	12 18.83	−11 18.8	1.924	2.835	9.6	21.6
3 12	12 11.73	−10 18.4	1.880	2.844	6.0	21.4
3 22	12 3.79	− 9 3.2	1.863	2.852	2.9	21.2
4 1	11 55.90	− 7 39.3	1.875	2.860	4.1	21.3
4 11	11 48.98	− 6 14.8	1.915	2.868	7.6	21.5
4 21	11 43.68	− 4 56.6	1.982	2.875	11.1	21.8

501091 2013 SL_{72} 3 21.6 133°.36 0°.5/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 31.06	− 0 43.3	2.010	2.787	14.8	21.9
2 21	12 27.00	− 0 30.9	1.923	2.792	11.7	21.7
3 2	12 20.69	− 0 6.8	1.859	2.797	8.0	21.4
3 12	12 12.67	+ 0 25.5	1.820	2.801	4.0	21.2
3 22	12 3.75	+ 1 1.4	1.810	2.806	0.6	20.9
4 1	11 54.89	+ 1 35.6	1.828	2.810	4.7	21.3
4 11	11 47.04	+ 2 2.9	1.874	2.814	8.7	21.5
4 21	11 40.93	+ 2 19.7	1.945	2.818	12.2	21.7

79983 1999 DF_{9} 3 21.6 23°.11 0°.1/23.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 6.94	− 5 56.0	39.788	40.518	0.9	22.0
2 21	12 6.33	− 5 53.3	39.683	40.520	0.8	22.0
3 2	12 5.64	− 5 49.8	39.605	40.522	0.5	21.9
3 12	12 4.89	− 5 45.8	39.554	40.524	0.3	21.9
3 22	12 4.11	− 5 41.3	39.533	40.526	0.1	21.9
4 1	12 3.34	− 5 36.6	39.542	40.527	0.2	21.9
4 11	12 2.59	− 5 31.9	39.581	40.529	0.5	21.9
4 21	12 1.90	− 5 27.3	39.648	40.531	0.7	22.0

343087 2009 DH_{17} 3 21.6 41°.41 2°.9/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.02	− 9 30.8	2.138	2.881	15.0	20.3
2 21	12 25.34	− 9 52.0	2.047	2.886	12.4	20.1
3 2	12 19.53	− 9 58.1	1.977	2.891	9.2	19.9
3 12	12 12.10	− 9 49.5	1.932	2.897	5.7	19.7
3 22	12 3.78	− 9 28.5	1.914	2.903	3.0	19.5
4 1	11 55.48	− 8 58.6	1.925	2.909	4.2	19.6
4 11	11 48.09	− 8 25.3	1.964	2.915	7.5	19.8
4 21	11 42.32	− 7 53.7	2.028	2.922	10.8	20.0

507502 2012 UR_{155} 3 21.6 95°.09 5°.7/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.74	+17 6.1	2.373	3.172	12.1	21.5
2 21	12 27.11	+17 50.0	2.302	3.179	9.7	21.4
3 2	12 20.51	+18 32.5	2.256	3.185	7.4	21.2
3 12	12 12.48	+19 7.4	2.236	3.192	5.8	21.1
3 22	12 3.77	+19 29.2	2.244	3.198	6.1	21.2
4 1	11 55.23	+19 34.2	2.280	3.205	8.1	21.3
4 11	11 47.66	+19 20.7	2.343	3.211	10.5	21.4
4 21	11 41.67	+18 49.5	2.428	3.217	12.8	21.6

437590 2014 AZ_{49} 3 21.6 84°.04 4°.4/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.49	−16 14.2	2.391	3.095	14.6	21.2
2 21	12 23.19	−16 28.9	2.294	3.100	12.3	21.0
3 2	12 17.97	−16 25.3	2.218	3.104	9.7	20.8
3 12	12 11.29	−16 3.4	2.165	3.109	6.9	20.7
3 22	12 3.82	−15 24.5	2.139	3.113	4.7	20.5
4 1	11 56.34	−14 32.4	2.142	3.118	4.8	20.5
4 11	11 49.66	−13 32.8	2.172	3.122	7.0	20.7
4 21	11 44.40	−12 31.6	2.229	3.126	9.8	20.9

188888 2006 WT_{169} 3 21.6 13°.59 3°.6/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.44	+ 5 5.3	1.344	2.170	18.2	19.3
2 21	12 25.19	+ 5 42.2	1.275	2.173	14.3	19.0
3 2	12 19.96	+ 6 30.8	1.226	2.177	9.7	18.8
3 12	12 12.46	+ 7 23.7	1.199	2.182	5.2	18.5
3 22	12 3.76	+ 8 11.9	1.198	2.188	4.0	18.5
4 1	11 55.23	+ 8 47.0	1.222	2.195	8.0	18.7
4 11	11 48.17	+ 9 3.0	1.269	2.202	12.5	19.0
4 21	11 43.45	+ 8 57.8	1.337	2.211	16.6	19.2

267443 2002 CH_{299} 3 21.6 178°.68 3°.1/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.35	− 9 54.8	2.149	2.883	15.2	20.7
2 21	12 28.02	−10 20.2	2.051	2.884	12.6	20.5
3 2	12 21.43	−10 30.5	1.974	2.884	9.4	20.3
3 12	12 13.09	−10 25.9	1.922	2.885	6.0	20.1
3 22	12 3.75	−10 8.1	1.897	2.885	3.3	19.9
4 1	11 54.35	− 9 40.4	1.902	2.884	4.4	20.0
4 11	11 45.88	− 9 8.2	1.934	2.884	7.8	20.2
4 21	11 39.08	− 8 36.7	1.993	2.883	11.2	20.4

259631 2003 WF_{34} 3 21.6 36°.39 0°.4/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.32	− 3 16.5	1.319	2.122	19.7	19.9
2 21	12 26.67	− 3 12.9	1.253	2.134	15.7	19.7
3 2	12 20.96	− 2 50.5	1.205	2.147	11.0	19.4
3 12	12 12.95	− 2 13.1	1.179	2.160	5.6	19.2
3 22	12 3.76	− 1 27.1	1.178	2.174	0.4	18.8
4 1	11 54.78	− 0 40.6	1.202	2.189	5.6	19.3
4 11	11 47.36	− 0 1.9	1.252	2.204	10.7	19.6
4 21	11 42.37	+ 0 23.4	1.322	2.220	15.2	19.9

159870 2004 PP_{103} 3 21.6 235°.54 3°.4/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.87	−10 25.2	1.743	2.492	17.7	20.3
2 21	12 28.35	−10 40.0	1.640	2.483	14.7	20.1
3 2	12 22.09	−10 35.0	1.557	2.473	11.1	19.8
3 12	12 13.60	−10 10.1	1.497	2.463	7.0	19.5
3 22	12 3.73	− 9 27.5	1.463	2.452	3.6	19.3
4 1	11 53.66	− 8 32.4	1.456	2.441	5.2	19.4
4 11	11 44.65	− 7 32.9	1.476	2.429	9.4	19.6
4 21	11 37.69	− 6 36.8	1.521	2.417	13.6	19.8

504506 2008 MX_{1} 3 21.6 277°.83 7°.0/28.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 28.25	−20 4.6	1.956	2.652	17.7	21.9
2 21	12 25.33	−20 45.8	1.849	2.641	15.4	21.7
3 2	12 19.92	−21 4.7	1.760	2.630	12.7	21.5
3 12	12 12.48	−20 58.5	1.692	2.619	9.8	21.3
3 22	12 3.78	−20 26.7	1.648	2.607	7.4	21.1
4 1	11 54.86	−19 31.7	1.631	2.596	7.2	21.1
4 11	11 46.86	−18 20.4	1.639	2.585	9.2	21.2
4 21	11 40.69	−17 1.3	1.673	2.574	12.3	21.3

129511 1995 TN_{7} 3 21.6 100°.36 0°.8/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.75	− 5 17.1	1.787	2.555	16.7	20.5
2 21	12 27.71	− 4 58.3	1.713	2.574	13.3	20.3
3 2	12 21.23	− 4 22.5	1.660	2.592	9.3	20.1
3 12	12 12.95	− 3 32.9	1.631	2.609	4.9	19.9
3 22	12 3.78	− 2 35.1	1.630	2.627	0.8	19.6
4 1	11 54.79	− 1 35.9	1.658	2.643	4.6	19.9
4 11	11 47.02	− 0 42.5	1.713	2.660	8.8	20.2
4 21	11 41.20	− 0 0.0	1.793	2.676	12.6	20.5

472871 2015 FW_{301} 3 21.6 333°.84 5°.5/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.16	+14 41.1	2.304	3.112	12.1	20.9
2 21	12 23.70	+15 45.2	2.227	3.111	9.7	20.7
3 2	12 18.29	+16 50.9	2.174	3.110	7.2	20.6
3 12	12 11.44	+17 51.4	2.148	3.109	5.6	20.5
3 22	12 3.84	+18 40.3	2.150	3.108	6.1	20.5
4 1	11 56.32	+19 12.3	2.180	3.108	8.2	20.6
4 11	11 49.67	+19 24.7	2.235	3.107	10.8	20.8
4 21	11 44.51	+19 17.1	2.312	3.106	13.2	21.0

94628 2001 WV_{10} 3 21.6 262°.67 2°.4/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.81	− 9 51.2	1.584	2.351	18.5	20.4
2 21	12 25.39	− 9 36.2	1.483	2.339	15.3	20.1
3 2	12 20.18	− 8 56.7	1.402	2.327	11.2	19.9
3 12	12 12.69	− 7 53.8	1.343	2.315	6.6	19.6
3 22	12 3.79	− 6 31.9	1.309	2.302	2.6	19.3
4 1	11 54.70	− 4 59.3	1.303	2.290	5.1	19.4
4 11	11 46.72	− 3 26.9	1.322	2.277	10.1	19.6
4 21	11 40.87	− 2 4.6	1.365	2.264	14.7	19.9

68581 2001 YG_{118} 3 21.6 242°.88 1°.5/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.49	+ 0 56.6	1.928	2.718	14.8	19.8
2 21	12 25.16	+ 1 29.8	1.837	2.715	11.7	19.6
3 2	12 19.55	+ 2 15.3	1.769	2.712	8.0	19.4
3 12	12 12.17	+ 3 8.7	1.726	2.709	3.9	19.1
3 22	12 3.82	+ 4 3.9	1.712	2.706	1.7	18.9
4 1	11 55.47	+ 4 54.3	1.725	2.703	5.5	19.2
4 11	11 48.10	+ 5 33.8	1.766	2.700	9.5	19.4
4 21	11 42.47	+ 5 58.7	1.830	2.697	13.2	19.6

143546 2003 EG_{31} 3 21.6 9°.48 0°.6/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.46	− 4 21.7	1.837	2.621	15.7	19.7
2 21	12 22.07	− 4 8.6	1.752	2.623	12.6	19.5
3 2	12 17.44	− 3 39.8	1.689	2.626	8.8	19.2
3 12	12 11.12	− 2 58.2	1.650	2.630	4.6	19.0
3 22	12 3.88	− 2 8.6	1.638	2.634	0.6	18.7
4 1	11 56.69	− 1 17.4	1.653	2.639	4.4	19.0
4 11	11 50.49	− 0 31.1	1.695	2.645	8.6	19.2
4 21	11 46.01	+ 0 5.0	1.760	2.651	12.3	19.5

82012 2000 RQ_{70} 3 21.6 206°.98 1°.9/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.50	−11 44.1	2.952	3.672	11.8	20.3
2 21	12 21.22	−11 11.8	2.841	3.667	9.7	20.1
3 2	12 16.42	−10 24.1	2.753	3.662	7.2	19.9
3 12	12 10.48	− 9 22.5	2.692	3.656	4.4	19.8
3 22	12 3.91	− 8 10.1	2.660	3.650	2.1	19.6
4 1	11 57.32	− 6 51.4	2.659	3.644	3.1	19.6
4 11	11 51.32	− 5 31.8	2.687	3.637	5.9	19.8
4 21	11 46.41	− 4 16.5	2.744	3.630	8.6	20.0

120732 1997 TS_{3} 3 21.6 206°.47 0°.5/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.35	− 1 3.9	2.189	2.959	13.9	20.9
2 21	12 27.16	− 0 45.0	2.089	2.954	11.1	20.6
3 2	12 20.80	− 0 14.4	2.012	2.949	7.7	20.4
3 12	12 12.78	+ 0 24.7	1.962	2.943	3.8	20.2
3 22	12 3.81	+ 1 7.8	1.941	2.937	0.6	19.9
4 1	11 54.80	+ 1 49.6	1.949	2.930	4.5	20.2
4 11	11 46.67	+ 2 24.9	1.985	2.923	8.4	20.4
4 21	11 40.14	+ 2 49.7	2.047	2.915	11.9	20.6

362427 2010 QX_{5} 3 21.6 223°.53 0°.3/21.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.48	− 2 16.1	2.012	2.783	15.0	22.2
2 21	12 27.55	− 1 51.4	1.909	2.774	12.0	21.9
3 2	12 21.25	− 1 12.3	1.827	2.763	8.3	21.7
3 12	12 13.08	− 0 22.1	1.771	2.752	4.2	21.4
3 22	12 3.80	+ 0 34.2	1.744	2.740	0.5	21.1
4 1	11 54.41	+ 1 30.1	1.746	2.728	4.9	21.4
4 11	11 45.94	+ 2 19.1	1.776	2.715	9.1	21.6
4 21	11 39.21	+ 2 56.3	1.830	2.701	12.9	21.8

207898 2008 UW_1 3 21.6 199°.70 5°.4/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 29.24	+15 5.8	2.521	3.320	11.5	21.0
2 21	12 25.20	+16 18.8	2.438	3.317	9.2	20.9
3 2	12 19.27	+17 33.6	2.381	3.313	6.9	20.7
3 12	12 11.94	+18 43.5	2.351	3.308	5.5	20.6
3 22	12 3.86	+19 42.1	2.350	3.303	6.0	20.6
4 1	11 55.80	+20 24.2	2.378	3.297	8.0	20.7
4 11	11 48.55	+20 46.8	2.431	3.291	10.4	20.9
4 21	11 42.70	+20 49.4	2.508	3.284	12.8	21.0

187414 2005 VA_{78} 3 21.6 242°.43 1°.5/22.9 17

2 11	12 31.95	− 5 51.2	2.166	2.918	14.6	20.4
2 21	12 27.81	− 5 56.4	2.055	2.904	11.9	20.2
3 2	12 21.39	− 5 47.9	1.965	2.890	8.6	20.0
3 12	12 13.15	− 5 27.1	1.901	2.875	4.8	19.7
3 22	12 3.80	− 4 56.7	1.865	2.859	1.5	19.4
4 1	11 54.28	− 4 21.1	1.858	2.844	4.2	19.6
4 11	11 45.57	− 3 45.7	1.880	2.827	8.2	19.8
4 21	11 38.49	− 3 15.4	1.928	2.811	11.8	20.0

426228 2012 MC_5 3 21.6 342°.91 0°.2/21.8 17

2 11	12 22.58	− 6 57.9	1.629	2.415	17.3	20.7
2 21	12 20.98	− 5 59.0	1.539	2.411	13.9	20.4
3 2	12 16.93	− 4 35.5	1.468	2.407	9.7	20.2
3 12	12 10.96	− 2 51.6	1.423	2.403	5.0	19.9
3 22	12 3.91	− 0 55.4	1.404	2.400	0.2	19.5
4 1	11 56.84	+ 1 2.1	1.412	2.397	5.2	19.9
4 11	11 50.84	+ 2 49.7	1.447	2.395	10.0	20.1
4 21	11 46.72	+ 4 18.7	1.505	2.393	14.3	20.4

348826 2006 RY_{56} 3 21.6 136°.96 1°.5/19.9 17

2 11	12 29.58	+ 3 18.3	2.591	3.368	11.8	21.4
2 21	12 25.27	+ 3 36.8	2.504	3.375	9.3	21.3
3 2	12 19.21	+ 4 2.0	2.441	3.381	6.3	21.1
3 12	12 11.88	+ 4 30.5	2.405	3.387	3.1	20.9
3 22	12 3.88	+ 4 58.4	2.399	3.392	1.6	20.8
4 1	11 55.95	+ 5 21.8	2.423	3.398	4.4	21.0
4 11	11 48.81	+ 5 37.2	2.476	3.403	7.5	21.2
4 21	11 42.99	+ 5 42.7	2.555	3.408	10.3	21.4

413880 2006 VX_6 3 21.6 108°.49 5°.6/28.2 18

2 11	12 30.18	−20 50.2	2.089	2.770	17.1	22.1
2 21	12 26.32	−20 53.1	2.006	2.790	14.6	22.0
3 2	12 20.21	−20 31.6	1.942	2.811	11.7	21.8
3 12	12 12.45	−19 45.0	1.900	2.830	8.7	21.6
3 22	12 3.86	−18 35.5	1.885	2.849	6.2	21.5
4 1	11 55.40	−17 8.3	1.897	2.868	5.9	21.5
4 11	11 48.02	−15 31.9	1.938	2.886	7.9	21.7
4 21	11 42.41	−13 54.8	2.005	2.903	10.7	21.9

496748 2016 NC_{13} 3 21.6 60°.31 2°.4/18.6 17

2 11	12 24.36	+ 3 4.2	2.291	3.086	12.6	21.1
2 21	12 21.48	+ 4 6.2	2.207	3.089	9.8	20.9
3 2	12 16.77	+ 5 18.4	2.147	3.092	6.6	20.7
3 12	12 10.71	+ 6 35.5	2.114	3.095	3.5	20.5
3 22	12 3.93	+ 7 51.0	2.110	3.099	2.7	20.5
4 1	11 57.20	+ 8 58.6	2.134	3.102	5.6	20.7
4 11	11 51.27	+ 9 53.0	2.187	3.105	8.8	20.9
4 21	11 46.72	+10 31.1	2.263	3.109	11.8	21.1

323420 2004 EB_{25} 3 21.6 135°.46 16°.6/12.2 17

2 11	12 52.58	+33 18.9	1.199	1.995	21.7	20.4
2 21	12 46.01	+34 51.3	1.153	2.001	19.3	20.3
3 2	12 34.70	+36 3.9	1.125	2.006	17.4	20.2
3 12	12 19.87	+36 38.7	1.116	2.011	16.6	20.1
3 22	12 3.55	+36 23.1	1.128	2.015	17.3	20.2
4 1	11 48.18	+35 13.7	1.161	2.019	19.2	20.3
4 11	11 35.81	+33 17.4	1.213	2.023	21.7	20.5
4 21	11 27.44	+30 46.8	1.281	2.026	24.1	20.7

345659 2006 TM_{82} 3 21.6 115°.19 2°.8/25.2 17

2 11	12 25.80	−12 41.1	2.576	3.296	13.3	21.4
2 21	12 22.43	−12 34.8	2.481	3.304	11.0	21.3
3 2	12 17.34	−12 12.4	2.408	3.311	8.3	21.1
3 12	12 10.97	−11 34.9	2.360	3.319	5.4	20.9
3 22	12 3.93	−10 44.9	2.341	3.326	3.0	20.8
4 1	11 56.91	− 9 46.6	2.350	3.333	3.7	20.8
4 11	11 50.63	− 8 45.4	2.389	3.340	6.4	21.0
4 21	11 45.63	− 7 46.5	2.454	3.347	9.2	21.2

268053 2004 RV_1 3 21.6 199°.47 0°.4/21.1 17

2 11	12 28.27	− 2 15.1	2.135	2.909	14.1	21.6
2 21	12 24.77	− 1 43.8	2.040	2.907	11.2	21.4
3 2	12 19.17	− 0 58.8	1.967	2.904	7.7	21.1
3 12	12 11.97	− 0 3.8	1.921	2.902	3.8	20.9
3 22	12 3.88	+ 0 56.2	1.903	2.899	0.6	20.6
4 1	11 55.78	+ 1 55.0	1.914	2.896	4.5	20.9
4 11	11 48.56	+ 2 46.5	1.953	2.893	8.4	21.1
4 21	11 42.91	+ 3 26.2	2.018	2.889	11.9	21.3

351509 2005 RS_{33} 3 21.6 166°.35 0°.5/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 31.12	− 5 44.3	1.645	2.419	17.6	21.9
2 21	12 27.66	− 5 13.0	1.559	2.423	14.2	21.7
3 2	12 21.51	− 4 21.0	1.492	2.426	10.0	21.4
3 12	12 13.25	− 3 12.1	1.450	2.429	5.2	21.2
3 22	12 3.83	− 1 52.6	1.435	2.431	0.6	20.8
4 1	11 54.43	− 0 31.3	1.448	2.433	5.1	21.2
4 11	11 46.26	+ 0 42.7	1.487	2.434	9.9	21.4
4 21	11 40.18	+ 1 42.4	1.551	2.435	14.1	21.7

86755 2000 GO_{68} 3 21.6 230°.58 2°.0/19.9 17

2 11	12 33.62	+ 2 9.0	1.804	2.591	15.8	20.9
2 21	12 29.55	+ 2 39.7	1.704	2.580	12.6	20.7
3 2	12 22.82	+ 3 22.9	1.626	2.569	8.6	20.4
3 12	12 13.95	+ 4 13.8	1.574	2.556	4.3	20.1
3 22	12 3.80	+ 5 5.9	1.549	2.543	2.2	19.9
4 1	11 53.52	+ 5 51.9	1.553	2.529	6.2	20.2
4 11	11 44.29	+ 6 25.6	1.584	2.514	10.7	20.4
4 21	11 37.06	+ 6 42.9	1.638	2.499	14.7	20.6

442277 2011 QH_{97} 3 21.6 200°.83 4°.9/28.3 17

2 11	12 26.65	−20 37.1	2.953	3.614	12.9	21.7
2 21	12 23.02	−20 51.7	2.842	3.611	11.1	21.5
3 2	12 17.74	−20 49.4	2.751	3.607	9.1	21.4
3 12	12 11.19	−20 29.5	2.684	3.603	6.9	21.2
3 22	12 3.92	−19 52.5	2.643	3.599	5.2	21.1
4 1	11 56.60	−19 1.1	2.632	3.594	5.0	21.1
4 11	11 49.89	−17 59.7	2.649	3.589	6.4	21.2
4 21	11 44.37	−16 53.6	2.693	3.584	8.6	21.3

446999 2004 BA_{129} 3 21.6 46°.16 1°.1/22.4 18

2 11	12 30.59	− 4 56.1	1.154	1.960	21.8	21.8
2 21	12 28.18	− 4 55.4	1.088	1.970	17.5	21.6
3 2	12 22.32	− 4 31.8	1.040	1.981	12.4	21.3
3 12	12 13.78	− 3 48.5	1.012	1.992	6.6	21.0
3 22	12 3.82	− 2 52.6	1.008	2.004	1.1	20.7
4 1	11 54.08	− 1 53.6	1.028	2.016	6.0	21.1
4 11	11 46.10	− 1 2.1	1.072	2.028	11.7	21.4
4 21	11 40.89	− 0 25.3	1.137	2.041	16.6	21.7

401623 2013 GZ_{58} 3 21.6 80°.41 0°.3/21.9 18

2 11	12 29.20	− 5 22.6	1.485	2.272	18.7	21.5
2 21	12 26.27	− 4 46.1	1.413	2.285	14.9	21.3
3 2	12 20.56	− 3 48.0	1.361	2.299	10.4	21.0
3 12	12 12.75	− 2 33.0	1.332	2.313	5.3	20.8
3 22	12 3.87	− 1 8.8	1.330	2.326	0.3	20.4
4 1	11 55.17	+ 0 14.9	1.354	2.340	5.4	20.8
4 11	11 47.86	+ 1 28.4	1.405	2.353	10.2	21.2
4 21	11 42.75	+ 2 25.2	1.478	2.366	14.5	21.4

468824 2012 TL_{42} 3 21.6 250°.08 1°.9/23.6 17

2 11	12 29.96	− 8 5.7	2.510	3.247	13.2	22.0
2 21	12 25.94	− 8 7.7	2.390	3.228	10.8	21.8
3 2	12 19.96	− 7 56.1	2.291	3.208	8.0	21.6
3 12	12 12.40	− 7 31.8	2.219	3.188	4.7	21.4
3 22	12 3.88	− 6 57.2	2.175	3.168	2.0	21.1
4 1	11 55.18	− 6 16.0	2.162	3.146	3.7	21.2
4 11	11 47.13	− 5 33.1	2.177	3.125	7.2	21.4
4 21	11 40.43	− 4 53.4	2.219	3.103	10.5	21.6

315385 2007 VM_{83} 3 21.6 29°.85 3°.9/24.7 18

2 11	12 28.97	−11 9.9	1.552	2.313	19.1	20.5
2 21	12 26.21	−11 29.1	1.468	2.316	15.8	20.3
3 2	12 20.65	−11 26.1	1.402	2.320	11.9	20.1
3 12	12 12.88	−11 0.9	1.358	2.323	7.6	19.8
3 22	12 3.86	−10 16.4	1.339	2.327	4.1	19.6
4 1	11 54.84	− 9 18.7	1.346	2.331	5.4	19.7
4 11	11 47.08	− 8 16.6	1.378	2.335	9.5	20.0
4 21	11 41.50	− 7 18.6	1.434	2.340	13.7	20.2

246056 2006 VM_9 3 21.6 208°.10 2°.7/18.1 18

2 11	12 27.58	+ 7 5.2	2.821	3.607	10.7	21.6
2 21	12 23.66	+ 7 45.6	2.726	3.602	8.4	21.4
3 2	12 18.11	+ 8 31.3	2.656	3.597	5.8	21.3
3 12	12 11.35	+ 9 18.0	2.614	3.591	3.3	21.1
3 22	12 3.94	+10 1.2	2.601	3.585	2.9	21.1
4 1	11 56.53	+10 36.8	2.619	3.579	5.2	21.2
4 11	11 49.79	+11 1.2	2.665	3.572	7.9	21.4
4 21	11 44.22	+11 12.8	2.736	3.565	10.4	21.5

384222 2009 DP_9 3 21.6 51°.37 3°.6/24.5 18

2 11	12 34.63	− 9 20.6	1.971	2.709	16.3	20.7
2 21	12 29.83	−10 8.3	1.894	2.728	13.4	20.5
3 2	12 22.66	−10 41.3	1.837	2.748	10.0	20.4
3 12	12 13.70	−10 59.1	1.806	2.767	6.4	20.2
3 22	12 3.84	−11 3.0	1.801	2.787	3.7	20.1
4 1	11 54.12	−10 55.8	1.826	2.807	4.8	20.2
4 11	11 45.54	−10 42.5	1.878	2.828	8.0	20.4
4 21	11 38.84	−10 28.1	1.956	2.848	11.3	20.6

434997 2006 UG_{247} 3 21.6 170°.55 2°.2/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 25.46	−11 10.2	2.722	3.448	12.5	22.2
2 21	12 22.09	−10 54.3	2.621	3.450	10.3	22.0
3 2	12 17.09	−10 23.3	2.542	3.452	7.6	21.9
3 12	12 10.86	− 9 38.5	2.489	3.453	4.7	21.7
3 22	12 3.96	− 8 42.8	2.465	3.454	2.3	21.5
4 1	11 57.07	− 7 40.6	2.471	3.455	3.3	21.6
4 11	11 50.85	− 6 36.9	2.506	3.456	6.2	21.8
4 21	11 45.83	− 5 36.8	2.568	3.457	9.0	21.9

387099 2012 TM_{131} 3 21.6 120°.80 1°.7/19.8 17

2 11	12 30.23	+ 3 59.2	2.505	3.284	12.1	21.0
2 21	12 25.84	+ 4 17.2	2.420	3.292	9.5	20.8
3 2	12 19.63	+ 4 41.6	2.360	3.300	6.4	20.6
3 12	12 12.11	+ 5 8.9	2.327	3.308	3.2	20.5
3 22	12 3.91	+ 5 34.9	2.323	3.316	1.9	20.4
4 1	11 55.81	+ 5 55.7	2.350	3.323	4.6	20.6
4 11	11 48.53	+ 6 8.1	2.405	3.331	7.8	20.8
4 21	11 42.64	+ 6 9.9	2.485	3.338	10.6	21.0

151812 2003 FE_{84} 3 21.6 132°.74 0°.3/21.9 18

2 11	12 25.04	− 8 26.6	1.903	2.668	15.9	19.7
2 21	12 22.48	− 7 8.6	1.812	2.671	12.8	19.5
3 2	12 17.72	− 5 26.6	1.742	2.674	9.0	19.2
3 12	12 11.29	− 3 25.4	1.698	2.677	4.6	19.0
3 22	12 3.94	− 1 13.1	1.684	2.680	0.3	18.6
4 1	11 56.64	+ 0 59.9	1.699	2.683	4.7	19.0
4 11	11 50.31	+ 3 3.0	1.743	2.686	9.0	19.3
4 21	11 45.67	+ 4 48.1	1.812	2.688	12.8	19.5

159931 2005 VY_{5} 3 21.6 204°.56 16°.3/ 4.5 18

2 11	12 33.99	−35 2.9	1.437	2.057	25.8	20.2
2 21	12 31.61	−36 59.9	1.350	2.055	24.0	20.0
3 2	12 25.39	−38 24.7	1.274	2.052	21.9	19.8
3 12	12 15.72	−39 6.6	1.213	2.049	19.6	19.7
3 22	12 3.74	−38 57.0	1.168	2.046	17.6	19.5
4 1	11 51.28	−37 52.6	1.143	2.041	16.4	19.4
4 11	11 40.42	−35 59.9	1.137	2.037	16.6	19.4
4 21	11 32.74	−33 33.4	1.151	2.032	18.2	19.5

242021 2002 QD_{14} 3 21.6 135°.49 5°.0/27.5 17

2 11	12 29.55	−18 32.6	2.532	3.212	14.4	21.2
2 21	12 25.51	−18 58.4	2.436	3.221	12.3	21.0
3 2	12 19.54	−19 6.4	2.361	3.230	9.9	20.9
3 12	12 12.13	−18 55.7	2.309	3.238	7.4	20.7
3 22	12 3.92	−18 27.0	2.283	3.246	5.4	20.6
4 1	11 55.70	−17 43.4	2.287	3.254	5.3	20.6
4 11	11 48.29	−16 50.0	2.318	3.261	7.1	20.7
4 21	11 42.30	−15 52.4	2.377	3.268	9.5	20.9

46247 2001 HG_{22} 3 21.6 166°.42 1°.5/19.9 18

2 11	12 28.09	+ 1 42.9	2.251	3.034	13.2	19.3
2 21	12 24.46	+ 2 17.0	2.162	3.036	10.3	19.1
3 2	12 18.86	+ 3 1.0	2.096	3.037	7.0	18.9
3 12	12 11.79	+ 3 50.9	2.057	3.039	3.5	18.7
3 22	12 3.93	+ 4 41.3	2.046	3.040	1.7	18.6
4 1	11 56.11	+ 5 26.8	2.065	3.041	4.9	18.8
4 11	11 49.13	+ 6 2.6	2.112	3.042	8.5	19.0
4 21	11 43.65	+ 6 25.5	2.183	3.042	11.6	19.2

115060 2003 RD_{12} 3 21.6 194°.89 3°.8/17.6 18

2 11	12 31.60	+ 6 52.2	2.038	2.833	14.0	20.6
2 21	12 27.51	+ 7 56.3	1.950	2.831	11.0	20.4
3 2	12 21.13	+ 9 9.4	1.885	2.828	7.6	20.2
3 12	12 12.99	+10 24.7	1.847	2.824	4.5	20.0
3 22	12 3.88	+11 34.7	1.838	2.820	4.3	20.0
4 1	11 54.78	+12 32.2	1.858	2.815	7.2	20.1
4 11	11 46.67	+13 11.8	1.905	2.809	10.7	20.3
4 21	11 40.29	+13 31.4	1.975	2.802	13.9	20.5

175435 2006 QV_{29} 3 21.6 232°.61 1°.7/19.9 17

2 11	12 31.18	+ 1 28.4	1.948	2.733	14.9	20.8
2 21	12 27.39	+ 2 2.7	1.848	2.723	11.8	20.5
3 2	12 21.19	+ 2 49.3	1.770	2.712	8.1	20.3
3 12	12 13.09	+ 3 43.9	1.718	2.701	4.0	20.0
3 22	12 3.88	+ 4 40.2	1.695	2.689	2.0	19.8
4 1	11 54.56	+ 5 31.5	1.700	2.676	5.7	20.0
4 11	11 46.20	+ 6 11.5	1.732	2.663	9.9	20.3
4 21	11 39.62	+ 6 36.3	1.789	2.650	13.7	20.5

1890 Konoshenkova 3 21.6 72°.87 4°.3/16.7 18

2 11	12 28.38	+11 20.2	2.296	3.099	12.4	16.8
2 21	12 24.53	+12 10.9	2.229	3.112	9.7	16.6
3 2	12 18.79	+13 4.4	2.185	3.125	6.9	16.5
3 12	12 11.69	+13 54.8	2.168	3.139	4.7	16.4
3 22	12 3.95	+14 36.2	2.180	3.152	4.8	16.4
4 1	11 56.37	+15 4.1	2.220	3.166	7.0	16.6
4 11	11 49.71	+15 15.6	2.286	3.179	9.7	16.7
4 21	11 44.55	+15 10.2	2.376	3.192	12.2	16.9

188367 2004 BC_{71} 3 21.6 163°.75 2°.2/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 34.09	+ 1 33.7	1.689	2.479	16.6	20.2
2 21	12 29.88	+ 2 20.8	1.607	2.485	13.1	20.0
3 2	12 22.96	+ 3 22.1	1.547	2.490	8.9	19.7
3 12	12 13.97	+ 4 31.5	1.512	2.495	4.5	19.5
3 22	12 3.85	+ 5 41.1	1.506	2.498	2.5	19.4
4 1	11 53.82	+ 6 42.6	1.527	2.501	6.5	19.6
4 11	11 45.06	+ 7 29.0	1.575	2.503	10.9	19.9
4 21	11 38.42	+ 7 56.6	1.646	2.505	14.8	20.1

8205 Van Dijck 3 21.6 33°.54 0°.7/20.9 18

2 11	12 25.57	− 1 19.4	1.968	2.756	14.7	17.4
2 21	12 22.71	− 0 51.1	1.891	2.766	11.5	17.2
3 2	12 17.76	− 0 9.7	1.835	2.777	7.9	17.0
3 12	12 11.26	+ 0 40.6	1.805	2.788	3.8	16.8
3 22	12 3.97	+ 1 34.3	1.803	2.799	0.8	16.5
4 1	11 56.79	+ 2 25.3	1.829	2.811	4.7	16.9
4 11	11 50.59	+ 3 7.7	1.881	2.823	8.6	17.1
4 21	11 46.00	+ 3 37.7	1.958	2.835	12.0	17.3

186092 2001 SK_{303} 3 21.6 112°.85 0°.6/22.2 18

2 11	12 27.88	− 5 43.8	1.880	2.651	15.9	21.0
2 21	12 24.71	− 5 11.4	1.796	2.658	12.7	20.7
3 2	12 19.25	− 4 21.1	1.732	2.666	8.9	20.5
3 12	12 12.06	− 3 16.3	1.694	2.673	4.7	20.3
3 22	12 3.95	− 2 2.8	1.683	2.680	0.6	20.0
4 1	11 55.91	− 0 47.9	1.701	2.686	4.5	20.3
4 11	11 48.92	+ 0 20.6	1.746	2.693	8.7	20.6
4 21	11 43.68	+ 1 16.9	1.816	2.699	12.4	20.8

492158 2013 PH_{21} 3 21.6 45°.92 0°.3/21.9 17

2 11	12 27.13	− 4 35.4	1.775	2.555	16.3	21.8
2 21	12 24.29	− 4 8.7	1.690	2.559	13.0	21.5
3 2	12 19.07	− 3 24.4	1.625	2.562	9.1	21.3
3 12	12 12.01	− 2 26.0	1.585	2.565	4.7	21.0
3 22	12 3.96	− 1 19.3	1.572	2.569	0.3	20.7
4 1	11 55.94	− 0 11.8	1.587	2.572	4.8	21.1
4 11	11 49.00	+ 0 48.8	1.628	2.576	9.2	21.3
4 21	11 43.90	+ 1 36.9	1.694	2.580	13.0	21.6

38889 2000 SJ_{146} 3 21.6 153°.32 1°.7/23.3 18

2 11	12 29.90	− 9 0.0	1.829	2.585	16.8	19.7
2 21	12 26.43	− 8 34.7	1.741	2.591	13.7	19.5
3 2	12 20.51	− 7 48.6	1.673	2.597	9.9	19.2
3 12	12 12.73	− 6 43.9	1.629	2.602	5.6	19.0
3 22	12 3.93	− 5 26.0	1.612	2.607	1.8	18.7
4 1	11 55.17	− 4 2.3	1.624	2.611	4.5	18.9
4 11	11 47.50	− 2 41.5	1.664	2.615	8.7	19.2
4 21	11 41.71	− 1 31.1	1.729	2.618	12.7	19.4

409433 2005 NZ_{90} 3 21.6 84°.61 11°.8/ 6.4 14 C

2 11	12 32.26	+29 2.1	1.817	2.623	15.0	21.2
2 21	12 28.36	+31 45.7	1.794	2.650	13.1	21.1
3 2	12 21.78	+34 15.6	1.796	2.676	12.0	21.1
3 12	12 13.28	+36 19.0	1.824	2.702	12.0	21.2
3 22	12 3.91	+37 47.1	1.875	2.727	13.1	21.3
4 1	11 54.90	+38 35.8	1.949	2.752	14.7	21.5
4 11	11 47.35	+38 46.7	2.042	2.777	16.4	21.7
4 21	11 41.98	+38 24.8	2.150	2.801	17.9	21.8

245191 2004 TN_{287} 3 21.6 158°.06 0°.7/22.3 18

2 11	12 31.18	− 6 17.9	1.909	2.669	16.0	21.2
2 21	12 27.30	− 5 46.4	1.820	2.676	12.9	21.0
3 2	12 21.04	− 4 56.5	1.753	2.683	9.1	20.8
3 12	12 12.97	− 3 51.6	1.711	2.689	4.8	20.5
3 22	12 3.93	− 2 37.0	1.698	2.694	0.8	20.2
4 1	11 54.94	− 1 20.3	1.713	2.698	4.5	20.5
4 11	11 47.01	− 0 9.1	1.757	2.702	8.8	20.8
4 21	11 40.92	+ 0 50.2	1.825	2.705	12.6	21.0

433196 2012 UP_{42} 3 21.6 259°.98 4°.2/17.4 17

2 11	12 32.17	+11 5.1	2.301	3.095	12.6	21.2
2 21	12 27.76	+11 38.4	2.202	3.081	10.0	21.0
3 2	12 21.23	+12 15.0	2.127	3.066	7.1	20.8
3 12	12 13.04	+12 49.6	2.079	3.051	4.7	20.6
3 22	12 3.93	+13 16.4	2.060	3.036	4.5	20.6
4 1	11 54.76	+13 30.8	2.069	3.021	7.0	20.7
4 11	11 46.45	+13 29.5	2.106	3.006	10.1	20.9
4 21	11 39.71	+13 11.6	2.167	2.990	13.0	21.0

30770 1984 SL_{4} 3 21.6 255°.26 1°.2/22.6 18 R

2 11	12 33.15	− 5 17.1	1.745	2.512	17.0	19.5
2 21	12 29.48	− 5 16.7	1.634	2.493	13.9	19.2
3 2	12 23.02	− 4 59.4	1.543	2.473	10.0	19.0
3 12	12 14.21	− 4 26.6	1.476	2.453	5.5	18.6
3 22	12 3.88	− 3 41.9	1.436	2.432	1.3	18.3
4 1	11 53.22	− 2 51.4	1.424	2.410	5.1	18.5
4 11	11 43.54	− 2 2.7	1.439	2.388	10.0	18.7
4 21	11 35.89	− 1 22.7	1.478	2.365	14.5	18.9

34551 2000 SJ_{242} 3 21.6 222°.02 0°.4/21.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 32.04	− 0 31.9	2.144	2.915	14.1	19.2
2 21	12 27.79	− 0 22.8	2.043	2.909	11.3	19.0
3 2	12 21.32	− 0 2.8	1.966	2.902	7.8	18.7
3 12	12 13.12	+ 0 25.1	1.914	2.895	3.9	18.5
3 22	12 3.93	+ 0 56.6	1.891	2.887	0.6	18.2
4 1	11 54.67	+ 1 27.0	1.897	2.879	4.6	18.5
4 11	11 46.31	+ 1 51.4	1.932	2.871	8.5	18.7
4 21	11 39.59	+ 2 6.1	1.992	2.862	12.1	18.9

508297 2015 KE_{34} 3 21.6 331°.94 0°.8/22.4 17

2 11	12 27.12	− 4 5.9	2.104	2.875	14.4	21.4
2 21	12 23.96	− 4 3.2	2.007	2.869	11.6	21.2
3 2	12 18.70	− 3 47.3	1.931	2.864	8.2	21.0
3 12	12 11.80	− 3 20.4	1.881	2.859	4.3	20.7
3 22	12 3.99	− 2 46.1	1.858	2.854	0.8	20.5
4 1	11 56.13	− 2 9.3	1.864	2.850	4.1	20.7
4 11	11 49.13	− 1 35.3	1.897	2.845	8.0	20.9
4 21	11 43.69	− 1 8.7	1.955	2.842	11.5	21.1

310891 2003 QG_{89} 3 21.6 269°.64 3°.8/24.9 16

2 11	12 28.10	−12 16.6	1.639	2.392	18.5	20.9
2 21	12 25.58	−12 21.3	1.538	2.381	15.5	20.7
3 2	12 20.32	−12 2.2	1.455	2.370	11.8	20.4
3 12	12 12.82	−11 19.1	1.395	2.359	7.6	20.1
3 22	12 3.94	−10 14.6	1.360	2.348	4.1	19.9
4 1	11 54.87	− 8 55.4	1.352	2.337	5.3	19.9
4 11	11 46.89	− 7 31.0	1.369	2.326	9.6	20.1
4 21	11 40.97	− 6 11.3	1.411	2.315	14.0	20.4

502379 2015 BC_{243} 3 21.6 261°.56 6°.4/27.7 17

2 11	12 29.33	−18 52.5	2.051	2.747	16.9	21.5
2 21	12 26.02	−19 33.5	1.947	2.741	14.7	21.3
3 2	12 20.33	−19 54.0	1.862	2.735	11.9	21.1
3 12	12 12.72	−19 51.7	1.799	2.729	9.0	20.9
3 22	12 3.95	−19 26.3	1.760	2.723	6.8	20.7
4 1	11 55.02	−18 40.5	1.749	2.716	6.6	20.7
4 11	11 46.99	−17 40.5	1.764	2.710	8.7	20.8
4 21	11 40.71	−16 33.9	1.805	2.703	11.7	21.0

522796 2016 NE_{79} 3 21.6 221°.12 1°.6/19.6 17

2 11	12 25.43	+ 1 29.2	2.524	3.306	12.0	21.7
2 21	12 22.20	+ 2 15.8	2.428	3.302	9.4	21.5
3 2	12 17.25	+ 3 12.3	2.356	3.298	6.3	21.3
3 12	12 11.00	+ 4 14.8	2.312	3.294	3.1	21.1
3 22	12 4.03	+ 5 18.0	2.296	3.289	1.8	21.0
4 1	11 57.06	+ 6 16.6	2.311	3.284	4.7	21.2
4 11	11 50.79	+ 7 5.6	2.354	3.279	7.9	21.4
4 21	11 45.79	+ 7 41.7	2.422	3.274	10.8	21.6

323006 2002 PA_{116} 3 21.6 216°.58 4°.0/25.8 17

2 11	12 30.90	−14 42.3	2.283	2.991	15.1	21.5
2 21	12 26.93	−14 49.2	2.170	2.982	12.8	21.3
3 2	12 20.77	−14 37.3	2.078	2.972	9.9	21.1
3 12	12 12.89	−14 6.2	2.010	2.961	6.8	20.9
3 22	12 3.96	−13 17.5	1.970	2.950	4.3	20.7
4 1	11 54.88	−12 15.2	1.958	2.938	4.7	20.7
4 11	11 46.60	−11 5.7	1.976	2.925	7.6	20.9
4 21	11 39.88	− 9 56.0	2.019	2.912	11.0	21.0

11833 Dixon 3 21.6 47°.85 15°.2/ 5.9 18

2 11	12 25.64	−34 29.9	1.184	1.849	28.5	18.2
2 21	12 25.12	−35 49.8	1.112	1.856	26.2	18.0
3 2	12 20.81	−36 25.9	1.051	1.863	23.4	17.8
3 12	12 13.32	−36 8.2	1.002	1.870	20.3	17.6
3 22	12 3.93	−34 50.4	0.968	1.878	17.4	17.4
4 1	11 54.54	−32 34.5	0.954	1.886	15.4	17.3
4 11	11 47.03	−29 34.0	0.960	1.894	15.4	17.3
4 21	11 42.70	−26 10.3	0.987	1.903	17.4	17.5

488475 1999 RW_{199} 3 21.6 134°.98 3°.4/26.2 16

2 11	12 28.93	−15 53.0	2.735	3.427	13.2	22.0
2 21	12 24.75	−15 44.3	2.643	3.443	11.1	21.9
3 2	12 18.88	−15 18.5	2.572	3.458	8.5	21.7
3 12	12 11.76	−14 36.3	2.526	3.473	5.8	21.6
3 22	12 4.01	−13 40.0	2.509	3.487	3.7	21.5
4 1	11 56.34	−12 33.7	2.522	3.501	3.9	21.5
4 11	11 49.42	−11 22.9	2.565	3.514	6.2	21.7
4 21	11 43.80	−10 13.2	2.636	3.526	8.8	21.8

130055 1999 VY_{173} 3 21.6 171°.67 2°.2/23.7 18

2 11	12 32.45	− 8 33.6	2.015	2.759	15.8	20.4
2 21	12 28.26	− 8 36.4	1.920	2.762	12.9	20.2
3 2	12 21.71	− 8 22.4	1.846	2.765	9.4	20.0
3 12	12 13.34	− 7 52.9	1.797	2.767	5.6	19.7
3 22	12 3.95	− 7 10.9	1.776	2.769	2.4	19.5
4 1	11 54.55	− 6 21.6	1.784	2.769	4.3	19.7
4 11	11 46.14	− 5 31.4	1.820	2.770	8.2	19.9
4 21	11 39.52	− 4 46.3	1.882	2.770	11.8	20.1

261951 2006 PJ_5 3 21.6 190°.26 1°.3/20.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 32.21	+ 0 41.3	2.146	2.921	14.0	22.4
2 21	12 27.87	+ 1 13.1	2.052	2.920	11.1	22.2
3 2	12 21.34	+ 1 56.2	1.980	2.918	7.6	22.0
3 12	12 13.12	+ 2 46.6	1.934	2.916	3.7	21.7
3 22	12 3.97	+ 3 38.9	1.918	2.913	1.5	21.5
4 1	11 54.80	+ 4 27.3	1.932	2.909	5.0	21.8
4 11	11 46.57	+ 5 6.2	1.973	2.904	8.9	22.0
4 21	11 39.98	+ 5 32.1	2.040	2.899	12.3	22.2

123017 2000 SD_{266} 3 21.6 70°.44 6°.4/16.2 18

2 11	12 34.13	+15 8.5	1.792	2.601	15.0	19.7
2 21	12 29.61	+15 58.4	1.730	2.614	12.0	19.5
3 2	12 22.56	+16 48.2	1.691	2.627	8.9	19.3
3 12	12 13.68	+17 29.9	1.677	2.640	6.6	19.2
3 22	12 3.95	+17 56.3	1.689	2.653	6.9	19.3
4 1	11 54.51	+18 2.4	1.729	2.666	9.3	19.4
4 11	11 46.41	+17 46.4	1.794	2.679	12.3	19.6
4 21	11 40.37	+17 9.7	1.880	2.693	15.1	19.9

240053 2001 WB_{34} 3 21.6 227°.23 2°.6/18.3 17

2 11	12 27.17	+ 5 56.8	2.689	3.476	11.2	20.7
2 21	12 23.48	+ 6 41.3	2.591	3.468	8.7	20.6
3 2	12 18.09	+ 7 32.5	2.516	3.458	6.0	20.4
3 12	12 11.42	+ 8 25.9	2.470	3.449	3.3	20.2
3 22	12 4.04	+ 9 16.7	2.453	3.439	2.9	20.1
4 1	11 56.63	+10 0.1	2.466	3.429	5.3	20.3
4 11	11 49.89	+10 32.1	2.507	3.418	8.2	20.4
4 21	11 44.37	+10 50.6	2.574	3.407	10.9	20.6

67981 2000 XM_{12} 3 21.6 246°.83 2°.6/19.4 18

2 11	12 32.91	+ 3 50.7	1.850	2.641	15.3	19.6
2 21	12 28.99	+ 4 25.9	1.747	2.626	12.2	19.3
3 2	12 22.47	+ 5 12.3	1.667	2.610	8.4	19.1
3 12	12 13.85	+ 6 4.7	1.612	2.593	4.4	18.8
3 22	12 3.94	+ 6 56.5	1.585	2.576	2.9	18.7
4 1	11 53.87	+ 7 40.3	1.586	2.558	6.6	18.8
4 11	11 44.80	+ 8 10.2	1.614	2.540	10.9	19.0
4 21	11 37.64	+ 8 22.7	1.665	2.521	14.8	19.2

166626 2002 SL_{21} 3 21.6 249°.51 1°.9/19.7 18

2 11	12 29.06	+ 3 15.7	2.211	2.998	13.3	20.1
2 21	12 25.34	+ 3 41.9	2.116	2.992	10.4	19.9
3 2	12 19.57	+ 4 16.9	2.045	2.987	7.1	19.7
3 12	12 12.22	+ 4 56.4	2.000	2.982	3.6	19.4
3 22	12 4.01	+ 5 35.5	1.984	2.976	2.1	19.3
4 1	11 55.79	+ 6 8.9	1.997	2.971	5.2	19.5
4 11	11 48.42	+ 6 32.2	2.037	2.965	8.8	19.7
4 21	11 42.58	+ 6 42.7	2.102	2.959	12.1	19.9

157500 2005 ST_{20} 3 21.6 110°.18 2°.4/19.7 18

2 11	12 36.72	+ 2 50.2	1.646	2.435	17.0	21.0
2 21	12 31.77	+ 3 29.3	1.580	2.457	13.3	20.8
3 2	12 24.12	+ 4 19.9	1.536	2.479	9.0	20.6
3 12	12 14.48	+ 5 15.7	1.518	2.499	4.5	20.4
3 22	12 3.93	+ 6 9.2	1.527	2.520	2.7	20.3
4 1	11 53.69	+ 6 53.3	1.565	2.539	6.5	20.6
4 11	11 44.90	+ 7 22.3	1.630	2.557	10.7	20.9
4 21	11 38.33	+ 7 34.0	1.717	2.575	14.3	21.1

200877 2001 YC_{108} 3 21.6 122°.75 3°.1/18.7 18

2 11	12 33.45	+ 4 4.1	1.823	2.615	15.5	20.4
2 21	12 29.00	+ 5 5.1	1.755	2.634	12.1	20.3
3 2	12 22.13	+ 6 16.9	1.708	2.652	8.2	20.1
3 12	12 13.48	+ 7 32.4	1.688	2.669	4.4	19.9
3 22	12 3.97	+ 8 43.7	1.697	2.685	3.5	19.8
4 1	11 54.69	+ 9 43.1	1.734	2.701	6.7	20.1
4 11	11 46.64	+10 25.4	1.798	2.715	10.5	20.3
4 21	11 40.54	+10 48.1	1.886	2.729	13.8	20.6

186146 2001 US_{19} 3 21.6 223°.42 0°.3/21.9 17

2 11	12 28.67	− 4 41.1	2.083	2.849	14.7	21.9
2 21	12 25.25	− 4 12.5	1.981	2.842	11.8	21.7
3 2	12 19.64	− 3 27.9	1.901	2.834	8.3	21.4
3 12	12 12.33	− 2 30.3	1.847	2.826	4.3	21.2
3 22	12 4.02	− 1 24.5	1.821	2.817	0.3	20.8
4 1	11 55.64	− 0 16.9	1.824	2.808	4.4	21.1
4 11	11 48.12	+ 0 45.4	1.855	2.799	8.5	21.4
4 21	11 42.22	+ 1 37.1	1.911	2.789	12.2	21.6

63770 2001 QM_{293} 3 21.6 110°.75 0°.5/21.1 18

2 11	12 32.14	− 1 6.3	1.993	2.767	15.0	20.1
2 21	12 27.82	− 0 47.1	1.915	2.782	11.8	20.0
3 2	12 21.25	− 0 15.6	1.860	2.797	8.1	19.7
3 12	12 13.04	+ 0 24.3	1.830	2.811	4.0	19.5
3 22	12 4.00	+ 1 7.5	1.829	2.825	0.6	19.3
4 1	11 55.11	+ 1 48.5	1.857	2.839	4.7	19.6
4 11	11 47.30	+ 2 21.9	1.913	2.852	8.6	19.9
4 21	11 41.26	+ 2 44.1	1.994	2.865	12.0	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
426348 2013 KA_4			3 21.6 196°.47	4°.6/15.1 17		
	h m	° ′			°	m
2 11	12 28.70	+10 48.3	2.573	3.368	11.4	21.4
2 21	12 24.79	+12 21.5	2.485	3.364	9.0	21.2
3 2	12 19.05	+14 0.6	2.423	3.360	6.5	21.0
3 12	12 11.93	+15 38.6	2.389	3.355	4.7	20.9
3 22	12 4.04	+17 8.4	2.387	3.349	5.2	20.9
4 1	11 56.14	+18 23.6	2.413	3.343	7.4	21.1
4 11	11 48.97	+19 19.8	2.468	3.335	10.0	21.2
4 21	11 43.13	+19 55.4	2.545	3.327	12.5	21.4
85176 1990 RP_2			3 21.6 181°.91	1°.4/22.9 18		
2 11	12 32.03	− 7 21.6	1.964	2.717	15.9	20.3
2 21	12 27.99	− 7 4.3	1.869	2.718	12.9	20.1
3 2	12 21.58	− 6 29.2	1.794	2.719	9.3	19.9
3 12	12 13.31	− 5 38.3	1.744	2.719	5.1	19.6
3 22	12 3.99	− 4 36.0	1.723	2.718	1.5	19.3
4 1	11 54.65	− 3 28.9	1.730	2.716	4.3	19.5
4 11	11 46.31	− 2 24.2	1.766	2.714	8.5	19.8
4 21	11 39.78	− 1 28.3	1.827	2.711	12.4	20.0
363034 1999 RX_{79}			3 21.6 229°.12	0°.6/21.1 16		
2 11	12 30.82	− 2 3.8	2.002	2.776	14.9	21.9
2 21	12 27.09	− 1 31.4	1.898	2.764	11.9	21.6
3 2	12 21.01	− 0 43.9	1.815	2.752	8.3	21.4
3 12	12 13.06	+ 0 15.0	1.759	2.740	4.1	21.1
3 22	12 4.00	+ 1 19.8	1.730	2.726	0.7	20.8
4 1	11 54.80	+ 2 23.6	1.731	2.712	5.0	21.1
4 11	11 46.51	+ 3 19.5	1.760	2.698	9.3	21.3
4 21	11 39.94	+ 4 2.4	1.813	2.682	13.1	21.5
145415 2005 OW_{14}			3 21.6 237°.67	0°.4/22.1 18		
2 11	12 28.72	− 3 8.3	2.733	3.487	11.8	20.7
2 21	12 24.71	− 3 1.4	2.622	3.476	9.5	20.5
3 2	12 18.97	− 2 44.4	2.535	3.465	6.6	20.3
3 12	12 11.89	− 2 19.5	2.475	3.453	3.5	20.1
3 22	12 4.05	− 1 49.4	2.444	3.440	0.4	19.8
4 1	11 56.12	− 1 18.0	2.444	3.428	3.5	20.0
4 11	11 48.83	− 0 49.1	2.473	3.415	6.7	20.2
4 21	11 42.77	− 0 26.3	2.529	3.402	9.7	20.4
275132 2009 VC_{68}			3 21.6 5°.19	2°.8/19.4 18		
2 11	12 28.13	+ 4 24.8	1.529	2.344	16.9	20.4
2 21	12 25.47	+ 4 49.6	1.452	2.344	13.3	20.1
3 2	12 20.09	+ 5 25.0	1.396	2.345	9.1	19.9
3 12	12 12.62	+ 6 5.0	1.363	2.346	4.7	19.6
3 22	12 4.02	+ 6 42.5	1.357	2.348	3.1	19.5
4 1	11 55.51	+ 7 10.4	1.376	2.351	6.9	19.8
4 11	11 48.27	+ 7 23.3	1.420	2.355	11.3	20.0
4 21	11 43.17	+ 7 18.6	1.486	2.360	15.2	20.3
455629 2004 VA_{54}			3 21.6 238°.11	5°.1/26.7 18		
2 11	12 32.58	−17 13.5	2.518	3.200	14.4	21.5
2 21	12 28.17	−17 48.8	2.396	3.184	12.4	21.4
3 2	12 21.63	−18 7.9	2.294	3.167	10.0	21.2
3 12	12 13.36	−18 9.2	2.217	3.150	7.4	21.0
3 22	12 3.99	−17 52.4	2.166	3.132	5.4	20.8
4 1	11 54.38	−17 19.6	2.145	3.113	5.5	20.8
4 11	11 45.43	−16 35.3	2.152	3.094	7.6	20.9
4 21	11 37.93	−15 45.1	2.186	3.074	10.4	21.0
182181 2000 SG_{310}			3 21.6 134°.23	6°.0/29.2 18		
2 11	12 32.64	−23 6.8	3.004	3.633	13.2	21.1
2 21	12 27.72	−23 58.0	2.905	3.644	11.6	20.9
3 2	12 20.99	−24 33.3	2.826	3.655	9.7	20.8
3 12	12 12.90	−24 50.9	2.771	3.665	7.8	20.7
3 22	12 4.02	−24 50.1	2.743	3.675	6.4	20.6
4 1	11 55.10	−24 32.2	2.744	3.684	6.1	20.6
4 11	11 46.86	−24 0.8	2.773	3.694	7.1	20.7
4 21	11 39.92	−23 20.6	2.828	3.702	8.8	20.8
433481 2013 WA_5			3 21.6 210°.59	3°.1/18.5 17		
2 11	12 29.53	+ 6 13.5	2.113	2.909	13.5	21.5
2 21	12 25.79	+ 6 54.5	2.025	2.906	10.6	21.3
3 2	12 19.92	+ 7 43.1	1.961	2.904	7.3	21.1
3 12	12 12.42	+ 8 33.8	1.922	2.902	4.1	20.9
3 22	12 4.04	+ 9 20.7	1.913	2.899	3.4	20.9
4 1	11 55.69	+ 9 57.9	1.932	2.897	6.3	21.0
4 11	11 48.27	+10 20.9	1.978	2.894	9.7	21.2
4 21	11 42.47	+10 27.8	2.047	2.891	12.9	21.4
293131 2006 XV_{56}			3 21.6 60°.02	2°.5/23.6 18		
2 11	12 33.10	− 7 10.9	1.636	2.401	18.1	20.9
2 21	12 29.14	− 7 34.9	1.562	2.417	14.7	20.7
3 2	12 22.47	− 7 41.6	1.508	2.433	10.7	20.5
3 12	12 13.75	− 7 32.1	1.477	2.449	6.2	20.3
3 22	12 3.99	− 7 9.5	1.473	2.466	2.6	20.1
4 1	11 54.40	− 6 39.1	1.496	2.482	4.8	20.3
4 11	11 46.14	− 6 7.5	1.546	2.499	9.0	20.5
4 21	11 40.03	− 5 40.7	1.619	2.516	12.9	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
91670 1999 TM_{112}			3 21.6 84°.95	1°.4/23.1 18		
	h m	° ′			°	m
2 11	12 28.99	− 7 28.3	2.033	2.789	15.3	19.9
2 21	12 25.31	− 7 11.1	1.957	2.808	12.3	19.7
3 2	12 19.51	− 6 37.2	1.902	2.827	8.8	19.5
3 12	12 12.17	− 5 49.3	1.872	2.846	4.9	19.3
3 22	12 4.06	− 4 51.9	1.870	2.865	1.5	19.1
4 1	11 56.10	− 3 51.1	1.897	2.883	4.0	19.4
4 11	11 49.16	− 2 53.2	1.952	2.901	7.7	19.6
4 21	11 43.89	− 2 3.8	2.032	2.919	11.1	19.9
275878 2001 SG_{297}			3 21.6 44°.05	1°.4/22.9 18		
2 11	12 26.14	− 9 22.1	1.443	2.223	19.4	20.7
2 21	12 24.17	− 8 38.1	1.358	2.223	15.8	20.5
3 2	12 19.38	− 7 25.8	1.292	2.224	11.4	20.2
3 12	12 12.34	− 5 48.5	1.248	2.225	6.3	19.9
3 22	12 4.05	− 3 54.0	1.230	2.226	1.5	19.6
4 1	11 55.75	− 1 54.0	1.239	2.227	5.3	19.8
4 11	11 48.75	− 0 1.5	1.274	2.228	10.5	20.1
4 21	11 43.96	+ 1 33.3	1.332	2.229	15.1	20.4
502511 2015 BU_{422}			3 21.6 167°.04	0°.6/22.3 17		
2 11	12 28.72	− 4 53.2	2.236	2.996	14.0	21.7
2 21	12 25.04	− 4 35.3	2.143	2.999	11.2	21.5
3 2	12 19.34	− 4 3.5	2.071	3.001	7.9	21.3
3 12	12 12.13	− 3 20.3	2.026	3.003	4.2	21.1
3 22	12 4.09	− 2 29.9	2.009	3.005	0.6	20.8
4 1	11 56.05	− 1 37.5	2.021	3.006	3.9	21.1
4 11	11 48.87	− 0 48.9	2.062	3.007	7.7	21.3
4 21	11 43.20	− 0 8.6	2.128	3.008	11.0	21.5
119854 2002 CY_{76}			3 21.6 177°.62	0°.5/22.3 18		
2 11	12 27.38	− 3 53.1	2.604	3.362	12.3	20.2
2 21	12 23.68	− 3 44.2	2.507	3.362	9.8	20.1
3 2	12 18.25	− 3 24.4	2.433	3.362	6.9	19.9
3 12	12 11.53	− 2 55.9	2.385	3.363	3.6	19.7
3 22	12 4.11	− 2 21.8	2.367	3.363	0.5	19.4
4 1	11 56.69	− 1 46.1	2.378	3.363	3.4	19.6
4 11	11 49.97	− 1 13.2	2.418	3.363	6.7	19.9
4 21	11 44.53	− 0 46.5	2.485	3.362	9.7	20.0
60196 1999 VG_{52}			3 21.6 213°.30	1°.7/23.4 18		
2 11	12 28.15	− 7 50.7	2.221	2.971	14.4	19.8
2 21	12 24.68	− 7 42.4	2.121	2.968	11.7	19.6
3 2	12 19.17	− 7 18.4	2.042	2.964	8.5	19.4
3 12	12 12.08	− 6 40.4	1.988	2.960	4.9	19.2
3 22	12 4.09	− 5 51.9	1.963	2.957	1.8	18.9
4 1	11 56.05	− 4 57.7	1.967	2.952	3.9	19.1
4 11	11 48.84	− 4 3.9	1.998	2.948	7.5	19.3
4 21	11 43.14	− 3 16.0	2.056	2.944	11.0	19.5
175400 2006 OT_7			3 21.6 220°.60	1°.9/23.5 16		
2 11	12 31.33	− 8 35.9	2.193	2.934	14.8	21.8
2 21	12 27.33	− 8 26.0	2.083	2.923	12.1	21.6
3 2	12 21.10	− 7 59.3	1.993	2.912	8.9	21.3
3 12	12 13.11	− 7 17.1	1.930	2.900	5.2	21.1
3 22	12 4.06	− 6 22.7	1.894	2.887	2.0	20.8
4 1	11 54.87	− 5 21.1	1.888	2.874	4.1	20.9
4 11	11 46.49	− 4 19.0	1.911	2.859	8.0	21.1
4 21	11 39.71	− 3 22.7	1.960	2.844	11.6	21.3
51457 2001 FP_{41}			3 21.6 173°.62	0°.2/21.4 18		
2 11	12 27.78	− 5 31.5	1.948	2.717	15.4	19.9
2 21	12 24.63	− 4 30.6	1.856	2.719	12.3	19.7
3 2	12 19.24	− 3 9.9	1.786	2.721	8.6	19.4
3 12	12 12.14	− 1 34.0	1.743	2.723	4.3	19.2
3 22	12 4.10	+ 0 10.2	1.727	2.724	0.3	18.8
4 1	11 56.07	+ 1 53.7	1.742	2.724	4.8	19.2
4 11	11 49.02	+ 3 27.7	1.784	2.724	9.0	19.4
4 21	11 43.66	+ 4 45.6	1.852	2.724	12.8	19.7
7640 Marzari			3 21.6 265°.98	2°.2/19.8 18		
2 11	12 29.38	+ 0 0.8	1.540	2.341	17.5	18.2
2 21	12 26.80	+ 0 52.7	1.439	2.323	13.9	17.9
3 2	12 21.33	+ 2 4.0	1.358	2.304	9.6	17.6
3 12	12 13.45	+ 3 29.4	1.302	2.285	4.8	17.3
3 22	12 4.05	+ 5 0.2	1.272	2.266	2.5	17.1
4 1	11 54.39	+ 6 25.8	1.269	2.246	7.1	17.3
4 11	11 45.82	+ 7 35.9	1.291	2.225	12.2	17.5
4 21	11 39.44	+ 8 24.0	1.335	2.205	16.8	17.7
370980 2005 SS_{245}			3 21.6 77°.93	0°.5/21.2 18		
2 11	12 30.58	− 1 17.4	1.791	2.575	16.0	22.0
2 21	12 26.94	− 1 1.2	1.711	2.584	12.7	21.8
3 2	12 20.86	− 0 31.3	1.653	2.593	8.8	21.6
3 12	12 12.95	+ 0 8.2	1.620	2.602	4.3	21.3
3 22	12 4.08	+ 0 52.0	1.615	2.611	0.6	21.0
4 1	11 55.33	+ 1 33.8	1.637	2.620	5.0	21.4
4 11	11 47.72	+ 2 7.7	1.686	2.629	9.3	21.7
4 21	11 42.00	+ 2 29.5	1.759	2.638	13.0	21.9

2702 Batrakov 3 21.6 337°.87 0°.7/22.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 24.68	− 4 50.6	2.345	3.111	13.2	16.8
2 21	12 21.83	− 4 36.0	2.247	3.106	10.6	16.6
3 2	12 17.13	− 4 8.2	2.170	3.102	7.5	16.4
3 12	12 11.04	− 3 29.6	2.120	3.097	4.0	16.2
3 22	12 4.16	− 2 43.8	2.097	3.093	0.7	15.9
4 1	11 57.26	− 1 55.8	2.104	3.089	3.7	16.1
4 11	11 51.09	− 1 10.8	2.138	3.086	7.3	16.3
4 21	11 46.28	− 0 33.2	2.198	3.082	10.5	16.5

216720 2005 EW_{198} 3 21.6 313°.02 0°.8/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.96	− 5 1.7	1.445	2.241	18.6	20.8
2 21	12 24.25	− 4 50.9	1.346	2.224	15.2	20.5
3 2	12 19.65	− 4 19.0	1.267	2.206	10.8	20.2
3 12	12 12.64	− 3 28.3	1.209	2.189	5.8	19.9
3 22	12 4.10	− 2 24.2	1.177	2.173	0.8	19.5
4 1	11 55.32	− 1 15.2	1.170	2.157	5.6	19.8
4 11	11 47.67	− 0 11.2	1.188	2.142	11.0	20.0
4 21	11 42.26	+ 0 39.4	1.227	2.127	15.9	20.2

171885 2001 QL_{333} 3 21.6 114°.92 7°.0/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.51	+21 43.6	2.484	3.283	11.6	20.2
2 21	12 26.18	+22 52.7	2.424	3.293	9.6	20.0
3 2	12 19.95	+23 57.7	2.389	3.303	7.8	19.9
3 12	12 12.36	+24 51.8	2.380	3.313	7.0	19.9
3 22	12 4.13	+25 29.2	2.399	3.322	7.6	20.0
4 1	11 56.07	+25 46.0	2.444	3.332	9.2	20.1
4 11	11 48.95	+25 41.0	2.514	3.341	11.2	20.2
4 21	11 43.35	+25 15.6	2.606	3.350	13.1	20.4

230883 2004 RK_{317} 3 21.6 154°.03 1°.2/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.27	− 5 43.1	2.111	2.868	14.8	21.0
2 21	12 26.41	− 5 39.7	2.018	2.872	11.9	20.8
3 2	12 20.38	− 5 22.1	1.948	2.875	8.5	20.6
3 12	12 12.70	− 4 52.1	1.902	2.878	4.7	20.4
3 22	12 4.11	− 4 13.4	1.885	2.880	1.3	20.2
4 1	11 55.54	− 3 30.9	1.897	2.883	4.0	20.4
4 11	11 47.89	− 2 50.4	1.937	2.885	7.9	20.6
4 21	11 41.87	− 2 16.5	2.002	2.887	11.4	20.8

367175 2006 XP_{25} 3 21.7 142°.80 2°.3/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.32	+ 3 47.1	2.358	3.138	12.8	21.7
2 21	12 26.84	+ 4 39.0	2.279	3.151	10.0	21.5
3 2	12 20.43	+ 5 39.4	2.224	3.165	6.7	21.3
3 12	12 12.63	+ 6 43.3	2.197	3.177	3.5	21.2
3 22	12 4.13	+ 7 44.8	2.199	3.189	2.6	21.1
4 1	11 55.75	+ 8 38.3	2.232	3.199	5.4	21.3
4 11	11 48.26	+ 9 19.2	2.293	3.209	8.6	21.5
4 21	11 42.27	+ 9 45.3	2.380	3.219	11.5	21.7

341679 2007 VV_{94} 3 21.7 155°.16 1°.5/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.56	− 7 3.8	2.597	3.337	12.7	21.6
2 21	12 25.40	− 7 4.8	2.501	3.342	10.3	21.5
3 2	12 19.45	− 6 53.4	2.427	3.347	7.4	21.3
3 12	12 12.16	− 6 31.3	2.380	3.351	4.3	21.1
3 22	12 4.15	− 6 0.9	2.362	3.356	1.6	20.9
4 1	11 56.15	− 5 26.0	2.374	3.360	3.4	21.0
4 11	11 48.90	− 4 51.0	2.416	3.363	6.6	21.2
4 21	11 42.97	− 4 19.9	2.484	3.366	9.5	21.4

455766 2005 NU_{19} 3 21.7 184°.61 1°.5/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 34.05	− 7 37.7	1.937	2.685	16.2	23.3
2 21	12 29.68	− 7 22.8	1.840	2.686	13.2	23.0
3 2	12 22.82	− 6 49.8	1.763	2.686	9.5	22.8
3 12	12 14.01	− 6 0.4	1.712	2.685	5.3	22.6
3 22	12 4.08	− 4 59.0	1.689	2.683	1.6	22.3
4 1	11 54.11	− 3 52.0	1.695	2.680	4.4	22.5
4 11	11 45.17	− 2 47.0	1.729	2.676	8.7	22.7
4 21	11 38.12	− 1 50.5	1.789	2.671	12.6	22.9

438858 2009 DA_{131} 3 21.7 4°.03 13°.8/ 1.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.25	+34 43.8	1.737	2.547	15.4	20.2
2 21	12 23.42	+37 15.8	1.702	2.546	14.2	20.1
3 2	12 18.78	+39 31.3	1.690	2.547	13.8	20.1
3 12	12 12.01	+41 17.8	1.700	2.549	14.3	20.1
3 22	12 4.15	+42 26.5	1.731	2.551	15.5	20.2
4 1	11 56.48	+42 53.2	1.780	2.554	17.0	20.3
4 11	11 50.21	+42 39.3	1.846	2.558	18.7	20.4
4 21	11 46.14	+41 49.7	1.925	2.563	20.1	20.6

256398 2007 AT_{7} 3 21.7 155°.06 1°.9/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.98	+ 3 7.6	2.450	3.224	12.5	21.0
2 21	12 27.31	+ 3 47.9	2.365	3.234	9.8	20.9
3 2	12 20.75	+ 4 36.5	2.304	3.244	6.6	20.7
3 12	12 12.80	+ 5 29.1	2.271	3.252	3.4	20.5
3 22	12 4.13	+ 6 20.5	2.269	3.260	2.1	20.4
4 1	11 55.55	+ 7 5.6	2.296	3.267	5.0	20.6
4 11	11 47.83	+ 7 40.2	2.353	3.273	8.2	20.8
4 21	11 41.57	+ 8 1.8	2.434	3.278	11.1	21.0

72931 2002 AJ_{14} 3 21.7 286°.69 0°.7/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 32.92	− 0 11.2	1.616	2.406	17.2	19.3
2 21	12 29.66	− 0 7.3	1.503	2.379	13.9	19.0
3 2	12 23.42	+ 0 10.4	1.410	2.351	9.8	18.6
3 12	12 14.60	+ 0 39.0	1.341	2.322	5.0	18.3
3 22	12 4.05	+ 1 13.3	1.298	2.294	0.8	17.9
4 1	11 53.05	+ 1 46.8	1.282	2.265	6.0	18.2
4 11	11 43.02	+ 2 12.3	1.292	2.236	11.4	18.4
4 21	11 35.15	+ 2 24.4	1.325	2.207	16.2	18.6

173371 2000 AH_{186} 3 21.7 159°.19 2°.7/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.27	+ 4 1.5	2.321	3.103	12.9	21.0
2 21	12 26.88	+ 5 6.5	2.238	3.112	10.1	20.9
3 2	12 20.53	+ 6 20.9	2.179	3.121	6.8	20.7
3 12	12 12.71	+ 7 39.1	2.149	3.128	3.7	20.5
3 22	12 4.14	+ 8 54.5	2.148	3.135	3.0	20.4
4 1	11 55.64	+10 0.7	2.177	3.141	5.8	20.6
4 11	11 48.04	+10 52.6	2.235	3.146	9.1	20.8
4 21	11 41.94	+11 27.7	2.318	3.150	12.0	21.0

312099 2007 TC_{131} 3 21.7 14°.48 0°.4/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.94	− 1 39.9	1.266	2.079	19.8	20.7
2 21	12 25.91	− 1 29.9	1.193	2.081	15.8	20.4
3 2	12 20.74	− 1 1.5	1.139	2.085	11.0	20.2
3 12	12 13.10	− 0 19.0	1.106	2.089	5.5	19.9
3 22	12 4.12	+ 0 30.3	1.098	2.095	0.6	19.5
4 1	11 55.23	+ 1 17.8	1.115	2.101	6.2	19.9
4 11	11 47.86	+ 1 54.7	1.156	2.108	11.5	20.2
4 21	11 42.97	+ 2 15.6	1.217	2.115	16.2	20.5

236596 2006 JN_{5} 3 21.7 202°.63 0°.4/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.06	− 4 13.5	2.299	3.062	13.6	21.6
2 21	12 24.51	− 3 55.6	2.202	3.060	10.9	21.4
3 2	12 19.00	− 3 24.5	2.126	3.058	7.6	21.2
3 12	12 12.00	− 2 42.8	2.077	3.055	4.0	21.0
3 22	12 4.17	− 1 54.5	2.056	3.053	0.4	20.7
4 1	11 56.32	− 1 4.6	2.065	3.050	3.9	21.0
4 11	11 49.26	− 0 18.6	2.102	3.047	7.6	21.2
4 21	11 43.66	+ 0 19.0	2.165	3.043	10.9	21.4

130962 2000 WX_{98} 3 21.7 121°.85 0°.4/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.58	− 4 33.0	1.837	2.604	16.3	21.3
2 21	12 28.43	− 4 8.8	1.758	2.619	13.0	21.1
3 2	12 21.84	− 3 28.0	1.701	2.634	9.1	20.9
3 12	12 13.44	− 2 34.3	1.670	2.648	4.7	20.6
3 22	12 4.13	− 1 33.3	1.666	2.662	0.4	20.3
4 1	11 54.95	− 0 31.9	1.691	2.675	4.6	20.7
4 11	11 46.96	+ 0 22.9	1.744	2.688	8.9	21.0
4 21	11 40.87	+ 1 5.9	1.821	2.700	12.6	21.2

503761 2016 NT_{53} 3 21.7 224°.90 2°.5/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.96	+ 4 20.4	2.535	3.325	11.7	21.7
2 21	12 21.87	+ 5 20.3	2.442	3.322	9.1	21.6
3 2	12 17.07	+ 6 28.9	2.374	3.318	6.2	21.4
3 12	12 10.99	+ 7 41.3	2.333	3.313	3.4	21.2
3 22	12 4.21	+ 8 51.8	2.322	3.309	2.8	21.1
4 1	11 57.43	+ 9 54.6	2.341	3.305	5.4	21.3
4 11	11 51.34	+10 45.0	2.387	3.300	8.4	21.5
4 21	11 46.51	+11 20.3	2.458	3.296	11.2	21.6

131829 2002 AM_{107} 3 21.7 323°.50 0°.5/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.15	− 3 8.0	1.282	2.091	19.9	19.8
2 21	12 25.56	− 3 9.9	1.190	2.076	16.1	19.5
3 2	12 20.78	− 2 52.5	1.117	2.061	11.4	19.2
3 12	12 13.30	− 2 18.2	1.065	2.047	6.0	18.9
3 22	12 4.12	− 1 32.6	1.037	2.034	0.5	18.4
4 1	11 54.70	− 0 43.8	1.034	2.021	6.1	18.8
4 11	11 46.61	− 0 1.5	1.053	2.009	11.9	19.0
4 21	11 41.03	+ 0 26.9	1.094	1.998	17.0	19.3

63475 2001 OB_{32} 3 21.7 137°.52 3°.3/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.97	−12 59.1	2.523	3.236	13.7	19.3
2 21	12 25.05	−13 11.3	2.427	3.243	11.4	19.2
3 2	12 19.27	−13 8.0	2.352	3.250	8.7	19.0
3 12	12 12.11	−12 49.5	2.303	3.257	5.8	18.8
3 22	12 4.18	−12 17.5	2.281	3.263	3.5	18.7
4 1	11 56.25	−11 35.7	2.289	3.269	4.1	18.7
4 11	11 49.10	−10 48.9	2.325	3.275	6.6	18.9
4 21	11 43.32	−10 2.4	2.388	3.280	9.5	19.1

91462 1999 RL_{72} 3 21.7 137°.54 0°.7/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.59	+ 0 11.8	2.197	2.970	13.8	19.7
2 21	12 27.27	+ 0 26.7	2.111	2.978	10.9	19.5
3 2	12 20.87	+ 0 51.7	2.047	2.985	7.5	19.3
3 12	12 12.92	+ 1 23.4	2.010	2.992	3.7	19.0
3 22	12 4.15	+ 1 57.4	2.002	2.998	0.9	18.8
4 1	11 55.46	+ 2 28.8	2.024	3.004	4.5	19.1
4 11	11 47.70	+ 2 53.2	2.073	3.010	8.2	19.3
4 21	11 41.54	+ 3 7.5	2.148	3.016	11.5	19.6

280244 2002 WP_{11} 3 21.7 258°.62 3°.3/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 35.36	−11 48.2	2.007	2.730	16.5	22.7
2 21	12 31.16	−11 50.4	1.873	2.699	13.9	22.4
3 2	12 24.25	−11 32.5	1.759	2.666	10.6	22.1
3 12	12 14.99	−10 53.7	1.669	2.631	6.8	21.8
3 22	12 4.08	− 9 55.2	1.607	2.595	3.6	21.5
4 1	11 52.60	− 8 41.8	1.574	2.557	5.0	21.5
4 11	11 41.83	− 7 21.3	1.569	2.518	9.3	21.7
4 21	11 32.84	− 6 2.5	1.591	2.478	13.7	21.9

413229 2003 SE_{63} 3 21.7 242°.92 1°.9/23.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.08	− 8 22.3	1.966	2.716	16.0	22.2
2 21	12 27.51	− 8 12.5	1.853	2.700	13.1	22.0
3 2	12 21.48	− 7 44.1	1.761	2.683	9.6	21.7
3 12	12 13.44	− 6 58.3	1.693	2.665	5.6	21.4
3 22	12 4.14	− 5 58.5	1.653	2.647	2.0	21.1
4 1	11 54.61	− 4 50.6	1.642	2.628	4.5	21.3
4 11	11 45.95	− 3 42.4	1.658	2.608	8.8	21.5
4 21	11 39.05	− 2 40.9	1.700	2.588	12.9	21.7

80103 1999 PA 3 21.7 162°.48 0°.3/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 35.48	− 2 17.6	1.687	2.462	17.2	20.1
2 21	12 31.08	− 1 57.7	1.602	2.468	13.8	19.9
3 2	12 23.92	− 1 22.1	1.537	2.474	9.5	19.6
3 12	12 14.61	− 0 34.4	1.498	2.478	4.8	19.4
3 22	12 4.12	+ 0 19.4	1.486	2.482	0.4	19.0
4 1	11 53.69	+ 1 12.0	1.503	2.486	5.3	19.4
4 11	11 44.53	+ 1 56.2	1.546	2.488	10.0	19.7
4 21	11 37.53	+ 2 27.1	1.614	2.490	14.1	19.9

494680 2003 SC_{393} 3 21.7 233°.76 1°.1/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.70	− 2 20.4	2.111	2.882	14.3	23.0
2 21	12 26.16	− 1 20.9	2.000	2.866	11.4	22.8
3 2	12 20.38	− 0 4.2	1.912	2.850	7.9	22.5
3 12	12 12.83	+ 1 25.4	1.851	2.832	3.9	22.3
3 22	12 4.18	+ 3 1.3	1.819	2.814	1.3	22.0
4 1	11 55.37	+ 4 35.3	1.817	2.795	5.2	22.3
4 11	11 47.37	+ 5 59.4	1.844	2.775	9.4	22.5
4 21	11 40.96	+ 7 7.6	1.896	2.754	13.1	22.7

413989 2007 EL_{88} 3 21.7 277°.98 26°.5/30.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 42.28	−39 24.1	0.825	1.494	38.1	21.0
2 21	12 44.39	−40 58.6	0.688	1.443	37.4	20.5
3 2	12 40.79	−41 55.8	0.554	1.385	35.9	19.9
3 12	12 28.71	−41 40.8	0.425	1.320	33.4	19.1
3 22	12 3.34	−38 46.3	0.304	1.249	29.5	18.2
4 1	11 16.68	−28 50.2	0.198	1.172	26.6	17.0
4 11	9 57.21	+ 0 12.9	0.129	1.088	45.6	16.5
4 21	7 59.76	+40 46.6	0.146	0.998	88.6	17.9

237142 2008 UU_{62} 3 21.7 213°.35 0°.4/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.76	− 3 58.2	2.251	3.014	13.8	21.2
2 21	12 25.13	− 3 43.6	2.152	3.010	11.1	21.0
3 2	12 19.48	− 3 15.7	2.075	3.007	7.8	20.8
3 12	12 12.28	− 2 37.3	2.025	3.003	4.0	20.6
3 22	12 4.21	− 1 52.2	2.003	2.999	0.4	20.3
4 1	11 56.10	− 1 5.6	2.010	2.995	4.0	20.6
4 11	11 48.81	− 0 22.7	2.045	2.990	7.8	20.8
4 21	11 43.00	+ 0 11.8	2.106	2.985	11.2	21.0

522313 2016 BS_{101} 3 21.7 8°.55 0°.2/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.71	− 0 34.9	1.425	2.228	18.5	21.0
2 21	12 27.80	− 0 41.9	1.346	2.229	14.8	20.7
3 2	12 21.92	− 0 34.9	1.287	2.230	10.3	20.4
3 12	12 13.69	− 0 17.2	1.250	2.232	5.2	20.2
3 22	12 4.16	+ 0 6.0	1.239	2.235	0.4	19.8
4 1	11 54.68	+ 0 28.2	1.253	2.239	5.7	20.2
4 11	11 46.59	+ 0 43.2	1.293	2.243	10.7	20.5
4 21	11 40.84	+ 0 46.5	1.354	2.248	15.2	20.8

257449 4219 T-$_2$ 3 21.7 98°.84 1°.4/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.81	− 0 30.1	1.928	2.710	15.2	21.3
2 21	12 26.80	+ 0 22.0	1.860	2.732	11.9	21.1
3 2	12 20.58	+ 1 27.5	1.814	2.755	8.0	21.0
3 12	12 12.77	+ 2 40.8	1.795	2.777	3.9	20.7
3 22	12 4.20	+ 3 55.0	1.804	2.798	1.6	20.6
4 1	11 55.85	+ 5 2.9	1.842	2.819	5.3	20.9
4 11	11 48.62	+ 5 58.2	1.908	2.840	9.1	21.2
4 21	11 43.15	+ 6 37.5	1.998	2.859	12.4	21.4

506740 2006 VU_{53} 3 21.7 199°.82 2°.3/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.78	+ 5 56.6	2.650	3.434	11.4	21.9
2 21	12 24.75	+ 6 25.6	2.557	3.432	8.9	21.7
3 2	12 18.99	+ 7 0.3	2.489	3.430	6.1	21.5
3 12	12 11.95	+ 7 36.7	2.448	3.428	3.3	21.3
3 22	12 4.23	+ 8 10.4	2.437	3.425	2.6	21.3
4 1	11 56.52	+ 8 37.3	2.456	3.423	5.0	21.4
4 11	11 49.53	+ 8 54.0	2.503	3.420	7.9	21.6
4 21	11 43.83	+ 8 58.8	2.575	3.416	10.6	21.8

404141 2013 CE_{18} 3 21.7 28°.87 1°.7/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 31.66	+ 1 6.7	1.365	2.173	18.9	21.6
2 21	12 28.67	+ 1 25.7	1.289	2.176	15.0	21.4
3 2	12 22.57	+ 1 59.9	1.232	2.178	10.3	21.1
3 12	12 14.03	+ 2 43.7	1.198	2.181	5.1	20.8
3 22	12 4.15	+ 3 29.7	1.189	2.184	1.9	20.6
4 1	11 54.35	+ 4 9.6	1.206	2.187	6.7	20.9
4 11	11 46.03	+ 4 36.2	1.248	2.191	11.8	21.2
4 21	11 40.17	+ 4 45.3	1.311	2.195	16.2	21.5

150705 2001 PC_{38} 3 21.7 107°.28 2°.3/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 36.73	+ 5 10.4	2.283	3.056	13.3	20.5
2 21	12 30.96	+ 5 38.3	2.217	3.085	10.4	20.3
3 2	12 23.18	+ 6 12.4	2.174	3.112	7.0	20.2
3 12	12 13.98	+ 6 48.1	2.159	3.139	3.7	20.0
3 22	12 4.17	+ 7 20.4	2.175	3.165	2.5	20.0
4 1	11 54.62	+ 7 44.9	2.221	3.190	5.3	20.2
4 11	11 46.16	+ 7 58.4	2.296	3.214	8.5	20.4
4 21	11 39.38	+ 7 59.4	2.396	3.237	11.3	20.6

113093 2002 RM_{72} 3 21.7 266°.06 1°.0/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.21	− 4 31.0	1.740	2.514	16.8	20.3
2 21	12 27.86	− 4 32.0	1.640	2.503	13.6	20.1
3 2	12 21.84	− 4 17.0	1.559	2.492	9.7	19.8
3 12	12 13.67	− 3 48.0	1.503	2.480	5.3	19.5
3 22	12 4.18	− 3 8.9	1.473	2.469	1.0	19.2
4 1	11 54.52	− 2 25.7	1.471	2.457	4.9	19.4
4 11	11 45.90	− 1 45.4	1.495	2.445	9.6	19.6
4 21	11 39.26	− 1 13.9	1.544	2.433	13.9	19.9

12504 Nuest 3 21.7 206°.75 3°.0/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.63	+ 5 0.7	1.942	2.734	14.7	18.6
2 21	12 28.54	+ 5 44.1	1.850	2.729	11.6	18.4
3 2	12 22.03	+ 6 37.2	1.781	2.724	7.9	18.2
3 12	12 13.63	+ 7 34.4	1.739	2.719	4.3	18.0
3 22	12 4.19	+ 8 28.7	1.724	2.713	3.3	17.9
4 1	11 54.72	+ 9 13.4	1.738	2.706	6.6	18.1
4 11	11 46.27	+ 9 43.1	1.779	2.699	10.4	18.3
4 21	11 39.65	+ 9 55.2	1.844	2.691	14.0	18.5

108940 2001 PT_{25} 3 21.7 133°.43 2°.4/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.74	+ 4 22.5	2.456	3.234	12.4	20.7
2 21	12 27.06	+ 5 13.3	2.380	3.252	9.6	20.6
3 2	12 20.54	+ 6 11.6	2.329	3.269	6.5	20.4
3 12	12 12.71	+ 7 12.5	2.306	3.286	3.5	20.2
3 22	12 4.23	+ 8 10.4	2.313	3.302	2.6	20.2
4 1	11 55.89	+ 9 0.2	2.351	3.317	5.3	20.4
4 11	11 48.43	+ 9 37.7	2.417	3.331	8.3	20.6
4 21	11 42.43	+10 0.9	2.509	3.344	11.1	20.8

382183 2012 KG_{13} 3 21.7 231°.40 3°.5/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.07	+ 7 37.9	2.373	3.163	12.4	22.0
2 21	12 26.11	+ 8 32.1	2.272	3.151	9.7	21.8
3 2	12 20.15	+ 9 33.5	2.196	3.137	6.8	21.6
3 12	12 12.64	+10 36.5	2.147	3.123	4.1	21.4
3 22	12 4.23	+11 35.0	2.128	3.109	3.9	21.4
4 1	11 55.74	+12 23.2	2.137	3.093	6.5	21.5
4 11	11 48.02	+12 56.4	2.175	3.078	9.6	21.7
4 21	11 41.75	+13 12.5	2.236	3.061	12.6	21.8

166738 2002 TV_{290} 3 21.7 116°.15 1°.0/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.94	+ 1 33.7	2.360	3.134	12.9	20.1
2 21	12 26.59	+ 1 47.0	2.275	3.143	10.2	19.9
3 2	12 20.32	+ 2 8.6	2.213	3.152	6.9	19.7
3 12	12 12.64	+ 2 35.1	2.179	3.160	3.4	19.5
3 22	12 4.23	+ 3 2.7	2.173	3.168	1.2	19.4
4 1	11 55.90	+ 3 26.9	2.198	3.177	4.4	19.6
4 11	11 48.45	+ 3 43.9	2.251	3.185	7.8	19.8
4 21	11 42.47	+ 3 51.3	2.329	3.192	10.8	20.0

186145 2001 US_{10} 3 21.7 179°.12 5°.2/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.91	+11 48.5	2.065	2.869	13.5	20.4
2 21	12 26.97	+12 53.4	1.987	2.870	10.7	20.3
3 2	12 20.79	+14 2.5	1.931	2.871	7.7	20.1
3 12	12 12.95	+15 8.5	1.903	2.871	5.5	19.9
3 22	12 4.22	+16 4.1	1.902	2.871	5.7	19.9
4 1	11 55.56	+16 43.0	1.930	2.871	8.2	20.1
4 11	11 47.92	+17 1.7	1.983	2.870	11.2	20.3
4 21	11 41.98	+16 59.4	2.058	2.869	14.0	20.5

157301 Loreena 3 21.7 194°.61 0°.5/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.16	− 1 16.3	2.216	2.987	13.8	21.2
2 21	12 26.25	− 0 55.0	2.120	2.985	10.9	21.0
3 2	12 20.26	− 0 21.9	2.047	2.983	7.5	20.8
3 12	12 12.69	+ 0 19.8	2.000	2.981	3.7	20.5
3 22	12 4.24	+ 1 5.3	1.982	2.978	0.6	20.3
4 1	11 55.77	+ 1 49.6	1.994	2.975	4.4	20.6
4 11	11 48.16	+ 2 27.2	2.033	2.972	8.2	20.8
4 21	11 42.10	+ 2 54.3	2.098	2.968	11.6	21.0

268450 2005 WU_{51} 3 21.7 130°.86 2°.7/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 29.22	−10 33.0	2.048	2.789	15.7	20.9
2 21	12 25.70	−10 31.8	1.957	2.795	12.9	20.7
3 2	12 19.98	−10 12.4	1.887	2.801	9.6	20.5
3 12	12 12.57	− 9 35.9	1.841	2.807	5.9	20.3
3 22	12 4.24	− 8 45.6	1.822	2.812	2.9	20.1
4 1	11 55.93	− 7 46.7	1.832	2.817	4.2	20.2
4 11	11 48.58	− 6 46.0	1.870	2.822	7.8	20.5
4 21	11 42.90	− 5 50.0	1.933	2.827	11.3	20.7

263921 2009 GN_{3} 3 21.7 336°.59 0°.7/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 22.68	− 3 25.0	2.096	2.878	14.1	19.8
2 21	12 20.52	− 2 26.7	2.001	2.873	11.1	19.6
3 2	12 16.40	− 1 11.6	1.928	2.868	7.6	19.4
3 12	12 10.77	+ 0 15.9	1.881	2.863	3.7	19.1
3 22	12 4.31	+ 1 49.2	1.863	2.859	0.9	18.9
4 1	11 57.82	+ 3 20.7	1.874	2.854	4.7	19.1
4 11	11 52.14	+ 4 42.7	1.912	2.851	8.6	19.4
4 21	11 47.92	+ 5 49.7	1.975	2.847	12.1	19.6

202402 2005 JO_{108} 3 21.7 128°.00 3°.9/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.94	+ 9 21.6	2.513	3.310	11.6	20.4
2 21	12 23.37	+10 28.8	2.438	3.320	9.0	20.2
3 2	12 18.06	+11 40.8	2.388	3.329	6.3	20.1
3 12	12 11.49	+12 51.7	2.365	3.338	4.2	20.0
3 22	12 4.29	+13 55.7	2.372	3.346	4.3	20.0
4 1	11 57.17	+14 47.4	2.408	3.355	6.5	20.1
4 11	11 50.84	+15 23.2	2.472	3.363	9.1	20.3
4 21	11 45.83	+15 41.7	2.559	3.370	11.6	20.5

214833 2006 VT_{106} 3 21.7 318°.59 4°.3/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.07	+10 16.1	2.321	3.126	12.2	20.2
2 21	12 22.93	+11 19.1	2.239	3.124	9.5	20.1
3 2	12 17.91	+12 27.0	2.181	3.123	6.8	19.9
3 12	12 11.48	+13 33.6	2.150	3.121	4.6	19.7
3 22	12 4.30	+14 32.6	2.147	3.120	4.8	19.7
4 1	11 57.16	+15 18.3	2.172	3.118	7.1	19.9
4 11	11 50.83	+15 46.8	2.224	3.116	9.9	20.0
4 21	11 45.91	+15 56.8	2.299	3.115	12.6	20.2

167767 2004 YF_{19} 3 21.7 210°.74 1°.1/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.79	− 6 3.3	1.956	2.715	15.7	21.3
2 21	12 27.95	− 5 48.8	1.855	2.709	12.8	21.1
3 2	12 21.70	− 5 17.5	1.775	2.702	9.1	20.8
3 12	12 13.53	− 4 31.5	1.719	2.695	5.0	20.5
3 22	12 4.23	− 3 35.0	1.692	2.688	1.1	20.3
4 1	11 54.83	− 2 34.3	1.694	2.679	4.4	20.5
4 11	11 46.39	− 1 36.5	1.723	2.670	8.8	20.7
4 21	11 39.74	− 0 47.6	1.778	2.661	12.7	20.9

505053 2011 SO_{41} 3 21.7 148°.11 1°.7/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.50	− 7 48.6	2.707	3.442	12.4	22.4
2 21	12 24.53	− 7 51.7	2.609	3.447	10.1	22.2
3 2	12 18.86	− 7 42.7	2.535	3.452	7.3	22.0
3 12	12 11.92	− 7 22.9	2.487	3.456	4.3	21.9
3 22	12 4.29	− 6 54.6	2.468	3.460	1.8	21.7
4 1	11 56.67	− 6 21.3	2.479	3.464	3.3	21.8
4 11	11 49.75	− 5 47.2	2.519	3.467	6.3	22.0
4 21	11 44.07	− 5 16.2	2.586	3.471	9.1	22.2

299302 2005 QD_{41} 3 21.7 185°.65 3°.7/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.53	−15 4.2	3.059	3.744	12.0	21.6
2 21	12 26.02	−15 32.2	2.950	3.744	10.2	21.5
3 2	12 19.85	−15 47.2	2.863	3.743	8.0	21.3
3 12	12 12.43	−15 48.9	2.802	3.742	5.7	21.2
3 22	12 4.28	−15 37.7	2.769	3.740	4.0	21.0
4 1	11 56.07	−15 15.9	2.767	3.739	4.1	21.0
4 11	11 48.45	−14 46.8	2.794	3.737	6.0	21.2
4 21	11 41.99	−14 14.4	2.848	3.734	8.3	21.3

421409 2013 VD_{23} 3 21.7 185°.12 4°.0/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.14	−15 9.3	2.545	3.241	14.0	21.6
2 21	12 26.86	−15 27.4	2.440	3.242	11.8	21.4
3 2	12 20.62	−15 29.1	2.355	3.241	9.2	21.2
3 12	12 12.88	−15 14.2	2.295	3.240	6.5	21.0
3 22	12 4.27	−14 43.7	2.263	3.239	4.3	20.9
4 1	11 55.59	−14 0.7	2.260	3.236	4.5	20.9
4 11	11 47.66	−13 10.4	2.287	3.234	6.9	21.1
4 21	11 41.14	−12 18.1	2.340	3.230	9.7	21.2

206217 2002 VD_{42} 3 21.7 132°.30 3°.3/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.03	−13 37.9	2.536	3.248	13.7	20.6
2 21	12 24.32	−13 41.6	2.441	3.256	11.4	20.4
3 2	12 18.79	−13 29.0	2.368	3.265	8.7	20.2
3 12	12 11.91	−13 0.6	2.319	3.273	5.8	20.1
3 22	12 4.30	−12 18.5	2.298	3.280	3.5	19.9
4 1	11 56.71	−11 26.6	2.307	3.288	4.0	20.0
4 11	11 49.89	−10 30.2	2.344	3.295	6.5	20.1
4 21	11 44.42	− 9 34.7	2.409	3.302	9.4	20.3

181099 2005 QC_{66} 3 21.7 182°.59 1°.3/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 27.08	− 7 40.3	3.081	3.813	11.1	21.5
2 21	12 23.21	− 7 31.5	2.977	3.813	9.0	21.4
3 2	12 17.85	− 7 11.3	2.896	3.813	6.5	21.2
3 12	12 11.39	− 6 41.4	2.843	3.813	3.8	21.0
3 22	12 4.32	− 6 4.1	2.819	3.812	1.4	20.8
4 1	11 57.24	− 5 22.9	2.825	3.811	2.9	21.0
4 11	11 50.74	− 4 41.6	2.862	3.809	5.7	21.1
4 21	11 45.31	− 4 3.8	2.926	3.807	8.3	21.3

359068 2008 YW_{108} 3 21.7 277°.68 3°.9/24.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.52	−10 12.3	1.581	2.340	18.9	21.1
2 21	12 28.52	−10 42.2	1.481	2.328	15.8	20.8
3 2	12 22.57	−10 52.5	1.399	2.317	11.9	20.6
3 12	12 14.17	−10 42.2	1.339	2.305	7.6	20.3
3 22	12 4.22	−10 12.9	1.305	2.293	4.2	20.1
4 1	11 54.00	− 9 29.3	1.297	2.282	5.6	20.1
4 11	11 44.92	− 8 39.2	1.314	2.270	10.0	20.3
4 21	11 38.05	− 7 51.0	1.355	2.259	14.5	20.5

211564 2003 SO_{107} 3 21.7 221°.46 1°.6/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.88	− 8 11.0	2.093	2.840	15.2	21.5
2 21	12 27.12	− 7 52.0	1.984	2.830	12.4	21.3
3 2	12 21.08	− 7 15.0	1.897	2.819	9.0	21.0
3 12	12 13.22	− 6 21.6	1.834	2.807	5.1	20.8
3 22	12 4.26	− 5 15.8	1.800	2.794	1.7	20.5
4 1	11 55.16	− 4 3.6	1.795	2.781	4.2	20.7
4 11	11 46.91	− 2 52.4	1.819	2.767	8.3	20.9
4 21	11 40.32	− 1 48.7	1.868	2.752	12.1	21.1

63067 2000 WZ_{122} 3 21.7 223°.94 5°.4/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.09	+15 4.4	2.567	3.362	11.4	19.4
2 21	12 26.78	+16 11.6	2.474	3.350	9.2	19.2
3 2	12 20.54	+17 20.8	2.406	3.337	6.9	19.0
3 12	12 12.82	+18 25.6	2.366	3.323	5.4	18.9
3 22	12 4.28	+19 19.7	2.355	3.309	5.9	18.9
4 1	11 55.70	+19 57.9	2.373	3.295	7.9	19.0
4 11	11 47.87	+20 17.0	2.417	3.279	10.4	19.2
4 21	11 41.45	+20 16.4	2.485	3.263	12.8	19.3

428558 2008 CJ_{115} 3 21.7 171°.86 3°.6/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.38	+ 9 24.0	2.691	3.487	10.9	21.0
2 21	12 22.86	+10 24.3	2.608	3.489	8.5	20.9
3 2	12 17.70	+11 29.2	2.549	3.490	6.0	20.7
3 12	12 11.33	+12 33.4	2.519	3.492	3.9	20.6
3 22	12 4.33	+13 31.6	2.518	3.493	4.0	20.6
4 1	11 57.37	+14 19.0	2.546	3.493	6.1	20.7
4 11	11 51.10	+14 51.9	2.602	3.494	8.7	20.9
4 21	11 46.06	+15 8.9	2.682	3.494	11.1	21.0

330835 2009 HC_{42} 3 21.7 45°.94 5°.2/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.65	+ 8 54.4	1.479	2.298	17.2	20.7
2 21	12 28.37	+ 9 47.2	1.410	2.303	13.5	20.4
3 2	12 22.19	+10 47.7	1.361	2.308	9.5	20.2
3 12	12 13.79	+11 47.4	1.337	2.314	5.9	20.0
3 22	12 4.26	+12 36.9	1.338	2.320	5.6	20.0
4 1	11 54.89	+13 8.4	1.366	2.326	8.9	20.2
4 11	11 46.97	+13 17.3	1.417	2.332	12.9	20.5
4 21	11 41.33	+13 3.1	1.489	2.338	16.6	20.7

84761 2002 XJ_{24} 3 21.7 210°.93 1°.9/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.31	+ 1 53.3	1.862	2.654	15.2	19.9
2 21	12 26.80	+ 2 28.7	1.773	2.651	12.0	19.7
3 2	12 20.88	+ 3 16.3	1.706	2.649	8.2	19.4
3 12	12 13.10	+ 4 11.1	1.664	2.646	4.1	19.2
3 22	12 4.28	+ 5 6.6	1.650	2.643	2.2	19.0
4 1	11 55.46	+ 5 55.8	1.664	2.640	5.9	19.3
4 11	11 47.67	+ 6 32.9	1.705	2.637	10.0	19.5
4 21	11 41.71	+ 6 54.1	1.769	2.633	13.7	19.7

313453 2002 RV_{264} 3 21.7 279°.94 3°.0/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.99	− 9 16.0	1.734	2.492	17.5	21.4
2 21	12 27.09	− 9 29.0	1.623	2.472	14.5	21.1
3 2	12 21.48	− 9 22.9	1.532	2.453	10.9	20.9
3 12	12 13.61	− 8 57.8	1.463	2.432	6.7	20.6
3 22	12 4.27	− 8 15.7	1.421	2.412	3.2	20.3
4 1	11 54.60	− 7 22.0	1.405	2.392	5.0	20.4
4 11	11 45.87	− 6 24.3	1.416	2.371	9.5	20.6
4 21	11 39.11	− 5 30.7	1.451	2.350	14.0	20.8

139856 2001 RM_{60} 3 21.7 62°.67 2°.3/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.20	+ 1 10.3	2.146	2.939	13.4	19.9
2 21	12 21.56	+ 2 29.0	2.066	2.947	10.4	19.7
3 2	12 17.01	+ 4 0.6	2.010	2.955	7.0	19.5
3 12	12 11.05	+ 5 39.0	1.982	2.964	3.6	19.3
3 22	12 4.36	+ 7 16.7	1.982	2.972	2.6	19.2
4 1	11 57.73	+ 8 45.8	2.012	2.981	5.7	19.4
4 11	11 51.97	+10 0.1	2.069	2.989	9.1	19.7
4 21	11 47.65	+10 55.6	2.150	2.998	12.2	19.9

462647 2009 SD_{142} 3 21.7 341°.12 0°.9/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 32.85	+ 1 44.7	1.532	2.332	17.6	20.3
2 21	12 29.43	+ 1 30.9	1.444	2.325	14.1	20.0
3 2	12 23.07	+ 1 27.2	1.375	2.318	9.8	19.8
3 12	12 14.34	+ 1 30.3	1.330	2.313	4.9	19.5
3 22	12 4.25	+ 1 35.8	1.311	2.307	1.0	19.2
4 1	11 54.09	+ 1 38.4	1.319	2.303	5.8	19.5
4 11	11 45.21	+ 1 33.4	1.353	2.299	10.7	19.7
4 21	11 38.61	+ 1 17.5	1.409	2.296	15.1	20.0

196618 2003 QG_{114} 3 21.7 184°.82 0°.4/21.2 18

2 11	12 29.85	− 1 7.9	2.255	3.026	13.5	21.1
2 21	12 25.96	− 0 49.3	2.161	3.026	10.7	20.9
3 2	12 20.05	− 0 19.6	2.089	3.026	7.4	20.6
3 12	12 12.61	+ 0 18.2	2.044	3.025	3.7	20.4
3 22	12 4.32	+ 0 59.7	2.028	3.024	0.5	20.1
4 1	11 56.02	+ 1 39.9	2.042	3.023	4.3	20.4
4 11	11 48.58	+ 2 13.8	2.083	3.022	8.0	20.7
4 21	11 42.64	+ 2 37.8	2.150	3.021	11.3	20.9

154486 2003 EJ_{33} 3 21.7 194°.57 0°.7/20.9 17

2 11	12 32.90	+ 0 18.7	2.215	2.985	13.8	20.2
2 21	12 28.42	+ 0 31.0	2.118	2.983	10.9	20.0
3 2	12 21.79	+ 0 53.4	2.044	2.981	7.5	19.8
3 12	12 13.50	+ 1 22.5	1.997	2.978	3.7	19.5
3 22	12 4.30	+ 1 54.2	1.979	2.975	0.9	19.3
4 1	11 55.07	+ 2 23.6	1.991	2.971	4.5	19.6
4 11	11 46.74	+ 2 46.3	2.031	2.967	8.3	19.8
4 21	11 40.00	+ 2 59.1	2.097	2.963	11.7	20.0

41389 2000 AM_{140} 3 21.7 140°.75 1°.2/23.2 18

2 11	12 27.66	− 8 5.3	2.407	3.151	13.5	19.5
2 21	12 24.07	− 7 34.0	2.316	3.161	10.9	19.3
3 2	12 18.64	− 6 47.0	2.248	3.170	7.8	19.1
3 12	12 11.85	− 5 46.7	2.205	3.178	4.3	18.9
3 22	12 4.35	− 4 37.5	2.192	3.187	1.3	18.7
4 1	11 56.90	− 3 24.9	2.209	3.195	3.5	18.9
4 11	11 50.25	− 2 15.1	2.255	3.202	7.0	19.1
4 21	11 44.99	− 1 13.2	2.327	3.209	10.1	19.3

43445 2000 YM_{74} 3 21.7 316°.86 6°.6/16.2 18

2 11	12 30.24	+11 19.8	1.459	2.284	17.0	18.9
2 21	12 27.49	+12 29.5	1.382	2.278	13.5	18.7
3 2	12 21.76	+13 46.4	1.327	2.272	9.8	18.4
3 12	12 13.68	+15 0.6	1.295	2.267	7.0	18.3
3 22	12 4.29	+16 1.4	1.289	2.261	7.3	18.3
4 1	11 54.93	+16 39.7	1.307	2.256	10.5	18.4
4 11	11 46.95	+16 50.4	1.349	2.251	14.4	18.6
4 21	11 41.29	+16 33.3	1.411	2.247	18.0	18.8

450160 2000 RM_{12} 3 21.7 29°.67 25°.2/21.0 16 C

2 11	14 38.82	−37 18.4	1.003	1.433	43.5	19.2
2 21	14 19.80	−45 24.8	0.992	1.531	39.3	19.2
3 2	13 47.60	−52 34.9	1.001	1.628	35.0	19.2
3 12	13 0.12	−57 47.5	1.035	1.722	31.2	19.3
3 22	12 2.82	−60 12.7	1.094	1.815	28.3	19.4
4 1	11 9.50	−59 53.8	1.178	1.905	26.5	19.7
4 11	10 30.61	−57 50.1	1.283	1.993	25.6	19.9
4 21	10 6.95	−55 5.8	1.405	2.078	25.2	20.2

40938 1999 TO_{205} 3 21.7 226°.74 0°.4/22.1 18

2 11	12 29.36	− 3 45.6	2.217	2.981	14.0	19.5
2 21	12 25.69	− 3 33.6	2.116	2.975	11.2	19.3
3 2	12 19.95	− 3 8.5	2.038	2.970	7.9	19.1
3 12	12 12.60	− 2 32.9	1.985	2.964	4.1	18.8
3 22	12 4.33	− 1 50.6	1.961	2.957	0.4	18.5
4 1	11 56.00	− 1 6.5	1.966	2.951	4.0	18.8
4 11	11 48.50	− 0 26.3	1.999	2.944	7.9	19.0
4 21	11 42.51	+ 0 5.8	2.058	2.937	11.4	19.2

436010 2009 HF_{11} 3 21.7 224°.73 2°.9/18.5 17

2 11	12 29.56	+ 7 42.0	2.463	3.253	12.0	20.9
2 21	12 25.52	+ 8 10.7	2.374	3.251	9.4	20.8
3 2	12 19.63	+ 8 44.1	2.308	3.249	6.5	20.6
3 12	12 12.36	+ 9 17.9	2.270	3.247	3.7	20.4
3 22	12 4.34	+ 9 47.4	2.260	3.245	3.2	20.3
4 1	11 56.36	+10 8.2	2.280	3.243	5.6	20.5
4 11	11 49.17	+10 17.2	2.328	3.241	8.6	20.7
4 21	11 43.37	+10 12.7	2.401	3.239	11.4	20.9

205802 2002 CP_{164} 3 21.7 160°.26 1°.7/20.3 18

2 11	12 34.15	+ 1 26.8	1.824	2.608	15.8	20.6
2 21	12 29.81	+ 1 55.9	1.740	2.613	12.5	20.4
3 2	12 22.94	+ 2 37.1	1.678	2.619	8.5	20.2
3 12	12 14.13	+ 3 25.4	1.641	2.623	4.2	19.9
3 22	12 4.29	+ 4 14.7	1.633	2.627	1.8	19.8
4 1	11 54.51	+ 4 58.3	1.653	2.630	5.7	20.0
4 11	11 45.89	+ 5 30.4	1.700	2.633	9.9	20.3
4 21	11 39.23	+ 5 47.7	1.771	2.635	13.7	20.5

174137 2002 NE_{22} 3 21.7 163°.02 2°.0/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 30.77	+ 1 44.0	2.142	2.923	13.8	20.8
2 21	12 26.74	+ 2 37.4	2.056	2.929	10.9	20.6
3 2	12 20.61	+ 3 42.5	1.993	2.935	7.4	20.4
3 12	12 12.89	+ 4 53.8	1.958	2.939	3.7	20.1
3 22	12 4.34	+ 6 5.0	1.952	2.944	2.3	20.1
4 1	11 55.83	+ 7 9.4	1.975	2.947	5.5	20.3
4 11	11 48.27	+ 8 1.2	2.026	2.950	9.1	20.5
4 21	11 42.31	+ 8 37.0	2.102	2.952	12.4	20.7

291850 2006 OV_{4} 3 21.7 212°.73 0°.7/22.4 14 C

2 11	12 31.36	− 5 29.0	2.221	2.974	14.3	22.3
2 21	12 27.32	− 5 7.9	2.114	2.966	11.5	22.1
3 2	12 21.12	− 4 31.6	2.030	2.957	8.2	21.9
3 12	12 13.22	− 3 42.6	1.971	2.947	4.4	21.6
3 22	12 4.33	− 2 44.8	1.941	2.937	0.7	21.3
4 1	11 55.33	− 1 43.9	1.941	2.926	4.1	21.5
4 11	11 47.15	− 0 46.4	1.970	2.914	8.0	21.8
4 21	11 40.53	+ 0 2.6	2.025	2.902	11.6	22.0

353864 2012 VF_{103} 3 21.7 75°.60 5°.7/28.7 17

2 11	12 26.93	−20 51.9	2.447	3.120	15.0	20.8
2 21	12 23.66	−21 15.5	2.353	3.130	13.0	20.7
3 2	12 18.46	−21 19.3	2.279	3.139	10.6	20.5
3 12	12 11.81	−21 2.3	2.228	3.148	8.1	20.4
3 22	12 4.38	−20 25.1	2.202	3.157	6.1	20.3
4 1	11 56.94	−19 31.1	2.204	3.167	5.8	20.3
4 11	11 50.32	−18 25.8	2.233	3.176	7.3	20.4
4 21	11 45.13	−17 15.6	2.288	3.185	9.6	20.5

519248 2010 XP_{92} 3 21.7 296°.41 4°.0/25.5 17

2 11	12 26.54	−13 37.5	1.732	2.477	18.0	21.4
2 21	12 24.23	−13 39.5	1.633	2.469	15.1	21.2
3 2	12 19.38	−13 17.6	1.552	2.461	11.6	20.9
3 12	12 12.48	−12 31.6	1.493	2.454	7.6	20.7
3 22	12 4.35	−11 24.3	1.460	2.446	4.4	20.5
4 1	11 56.10	−10 1.8	1.454	2.438	5.2	20.5
4 11	11 48.86	− 8 33.7	1.474	2.431	9.0	20.7
4 21	11 43.55	− 7 9.2	1.518	2.424	13.0	20.9

427235 2014 WB_{56} 3 21.7 29°.32 4°.4/17.9 17

2 11	12 29.73	+ 7 36.7	1.620	2.435	16.1	21.1
2 21	12 26.63	+ 8 27.8	1.547	2.438	12.7	20.8
3 2	12 20.89	+ 9 27.3	1.494	2.441	8.8	20.6
3 12	12 13.14	+10 27.7	1.467	2.445	5.3	20.4
3 22	12 4.35	+11 20.7	1.466	2.449	4.8	20.4
4 1	11 55.66	+11 58.6	1.491	2.454	8.1	20.6
4 11	11 48.23	+12 16.5	1.541	2.458	11.9	20.8
4 21	11 42.86	+12 13.0	1.613	2.463	15.5	21.0

59189 1999 AU_{19} 3 21.7 285°.22 0°.9/20.9 18

2 11	12 29.11	− 1 31.3	1.489	2.288	18.0	19.3
2 21	12 26.70	− 1 4.1	1.392	2.273	14.5	19.0
3 2	12 21.36	− 0 18.4	1.314	2.258	10.1	18.7
3 12	12 13.60	+ 0 41.9	1.260	2.243	5.0	18.4
3 22	12 4.33	+ 1 49.6	1.232	2.228	1.1	18.1
4 1	11 54.84	+ 2 55.7	1.230	2.213	6.3	18.4
4 11	11 46.51	+ 3 50.8	1.253	2.198	11.5	18.6
4 21	11 40.41	+ 4 28.5	1.298	2.183	16.2	18.8

261170 2005 TG_{112} 3 21.7 99°.61 1°.2/22.8 17

2 11	12 29.01	− 6 26.6	1.855	2.621	16.2	21.6
2 21	12 25.76	− 6 12.1	1.769	2.627	13.1	21.4
3 2	12 20.15	− 5 40.0	1.703	2.633	9.3	21.2
3 12	12 12.75	− 4 52.9	1.663	2.639	5.1	20.9
3 22	12 4.36	− 3 55.6	1.649	2.644	1.3	20.7
4 1	11 56.02	− 2 54.6	1.663	2.650	4.4	20.9
4 11	11 48.73	− 1 57.1	1.705	2.655	8.6	21.2
4 21	11 43.24	− 1 9.1	1.771	2.661	12.4	21.4

174037 2002 AY_{111} 3 21.7 3°.48 1°.7/23.4 18

2 11	12 27.08	− 6 47.5	2.189	2.946	14.3	19.8
2 21	12 23.91	− 6 51.8	2.094	2.946	11.6	19.6
3 2	12 18.71	− 6 42.0	2.021	2.946	8.4	19.4
3 12	12 11.98	− 6 19.7	1.974	2.946	4.8	19.1
3 22	12 4.40	− 5 47.9	1.954	2.947	1.8	18.9
4 1	11 56.79	− 5 10.8	1.962	2.948	3.8	19.1
4 11	11 50.02	− 4 34.0	1.998	2.950	7.4	19.3
4 21	11 44.75	− 4 1.9	2.060	2.951	10.8	19.5

434982 2006 UT_{136} 3 21.7 138°.33 1°.4/23.6 17

2 11	12 27.34	− 8 2.0	2.978	3.709	11.4	22.1
2 21	12 23.43	− 7 50.0	2.884	3.720	9.3	22.0
3 2	12 18.01	− 7 26.1	2.814	3.731	6.7	21.8
3 12	12 11.50	− 6 52.1	2.771	3.741	3.9	21.6
3 22	12 4.42	− 6 10.6	2.758	3.751	1.5	21.5
4 1	11 57.38	− 5 25.3	2.775	3.760	3.0	21.6
4 11	11 50.98	− 4 40.3	2.822	3.769	5.7	21.8
4 21	11 45.69	− 3 59.4	2.896	3.778	8.4	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
218034 2002 AJ_{36}			3 21.7 147°.56	4°.6/15.9 18		
	h m	° ′			°	m
2 11	12 30.19	+10 50.7	2.389	3.184	12.1	20.9
2 21	12 26.04	+12 9.8	2.316	3.196	9.5	20.8
3 2	12 19.98	+13 33.2	2.268	3.206	6.8	20.6
3 12	12 12.54	+14 54.2	2.249	3.216	4.8	20.5
3 22	12 4.39	+16 6.0	2.258	3.225	5.1	20.5
4 1	11 56.35	+17 2.7	2.297	3.234	7.3	20.7
4 11	11 49.18	+17 40.7	2.363	3.242	10.0	20.9
4 21	11 43.48	+17 58.9	2.452	3.249	12.5	21.0
155927 2001 PN_{43}			3 21.7 212°.61	4°.5/17.7 18		
2 11	12 33.42	+ 7 25.6	1.753	2.554	15.6	20.5
2 21	12 29.52	+ 8 27.6	1.664	2.549	12.3	20.3
3 2	12 22.94	+ 9 39.5	1.598	2.542	8.6	20.0
3 12	12 14.25	+10 53.8	1.558	2.535	5.3	19.8
3 22	12 4.35	+12 1.6	1.545	2.527	5.0	19.8
4 1	11 54.40	+12 54.5	1.560	2.518	8.2	19.9
4 11	11 45.61	+13 26.8	1.601	2.509	12.1	20.1
4 21	11 38.84	+13 36.3	1.663	2.499	15.7	20.4
53287 1999 GR			3 21.7 219°.97	0°.3/21.4 18		
2 11	12 29.74	− 0 44.4	2.481	3.248	12.6	19.0
2 21	12 25.72	− 0 34.6	2.381	3.243	10.0	18.8
3 2	12 19.84	− 0 15.3	2.304	3.239	6.9	18.6
3 12	12 12.52	+ 0 10.8	2.254	3.234	3.4	18.3
3 22	12 4.42	+ 0 40.2	2.233	3.229	0.4	18.1
4 1	11 56.28	+ 1 8.8	2.242	3.224	3.9	18.4
4 11	11 48.88	+ 1 32.4	2.280	3.219	7.4	18.6
4 21	11 42.85	+ 1 47.9	2.344	3.214	10.5	18.8
33128 1998 BU_{48}			3 21.7 80°.32	0°.3/17.2 15 R		
2 11	12 7.87	+10 17.9	34.936	35.724	1.0	22.5
2 21	12 7.18	+10 24.6	34.856	35.735	0.7	22.5
3 2	12 6.39	+10 31.5	34.804	35.745	0.5	22.5
3 12	12 5.53	+10 38.2	34.781	35.755	0.3	22.4
3 22	12 4.64	+10 44.6	34.788	35.766	0.3	22.4
4 1	12 3.75	+10 50.4	34.825	35.776	0.5	22.5
4 11	12 2.90	+10 55.3	34.890	35.786	0.7	22.5
4 21	12 2.11	+10 59.3	34.982	35.797	1.0	22.5
437183 2012 VG_{83}			3 21.7 62°.17	4°.8/16.2 17		
2 11	12 28.41	+12 34.6	2.275	3.080	12.4	21.0
2 21	12 24.77	+13 28.5	2.202	3.085	9.8	20.8
3 2	12 19.19	+14 24.8	2.152	3.091	7.1	20.6
3 12	12 12.18	+15 17.2	2.129	3.097	5.1	20.5
3 22	12 4.45	+15 59.8	2.134	3.102	5.3	20.5
4 1	11 56.83	+16 27.7	2.168	3.108	7.5	20.7
4 11	11 50.11	+16 37.8	2.227	3.114	10.1	20.9
4 21	11 44.89	+16 29.8	2.309	3.120	12.7	21.0
274320 2008 RQ_{4}			3 21.7 229°.89	0°.5/22.2 17		
2 11	12 28.04	− 4 45.1	2.136	2.901	14.4	21.9
2 21	12 24.77	− 4 22.3	2.036	2.896	11.6	21.7
3 2	12 19.39	− 3 44.4	1.959	2.890	8.1	21.4
3 12	12 12.38	− 2 54.2	1.906	2.885	4.3	21.2
3 22	12 4.45	− 1 56.2	1.883	2.879	0.5	20.9
4 1	11 56.45	− 0 56.2	1.888	2.873	4.1	21.1
4 11	11 49.30	− 0 0.5	1.921	2.866	8.1	21.4
4 21	11 43.69	+ 0 45.5	1.979	2.860	11.7	21.6
470118 2006 TK_{125}			3 21.7 167°.93	2°.4/24.8 17		
2 11	12 25.46	−11 47.9	2.625	3.349	13.0	21.8
2 21	12 22.30	−11 32.8	2.524	3.351	10.7	21.6
3 2	12 17.44	−11 1.7	2.445	3.352	8.0	21.4
3 12	12 11.31	−10 16.0	2.391	3.353	5.0	21.2
3 22	12 4.48	− 9 18.4	2.366	3.354	2.6	21.1
4 1	11 57.65	− 8 13.4	2.371	3.355	3.4	21.1
4 11	11 51.50	− 7 6.6	2.404	3.356	6.3	21.3
4 21	11 46.59	− 6 3.2	2.465	3.357	9.2	21.5
230361 2002 EA_{61}			3 21.7 274°.16	0°.1/21.7 18		
2 11	12 26.91	− 5 25.8	1.649	2.432	17.2	20.4
2 21	12 24.71	− 4 39.0	1.543	2.414	13.9	20.2
3 2	12 19.86	− 3 28.9	1.458	2.396	9.8	19.9
3 12	12 12.84	− 1 58.8	1.396	2.377	5.0	19.5
3 22	12 4.44	− 0 15.8	1.362	2.358	0.2	19.1
4 1	11 55.80	+ 1 30.0	1.354	2.339	5.5	19.5
4 11	11 48.16	+ 3 7.5	1.374	2.320	10.6	19.7
4 21	11 42.48	+ 4 28.0	1.416	2.300	15.2	19.9
326404 2001 SW_{136}			3 21.7 177°.65	0°.8/22.7 16		
2 11	12 27.91	− 7 55.0	2.224	2.974	14.3	22.1
2 21	12 24.53	− 7 7.8	2.127	2.976	11.6	21.9
3 2	12 19.14	− 6 2.2	2.052	2.977	8.2	21.7
3 12	12 12.22	− 4 41.2	2.002	2.978	4.4	21.5
3 22	12 4.47	− 3 10.3	1.982	2.978	0.9	21.2
4 1	11 56.71	− 1 36.4	1.993	2.978	3.9	21.4
4 11	11 49.79	− 0 7.3	2.032	2.977	7.7	21.7
4 21	11 44.37	+ 1 10.8	2.097	2.976	11.2	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
435387 2007 XT_{56}			3 21.7 120°.39	4°.2/16.3 17		
	h m	° ′			°	m
2 11	12 27.41	+11 5.5	2.508	3.307	11.5	21.2
2 21	12 23.79	+12 7.8	2.433	3.315	9.0	21.0
3 2	12 18.42	+13 13.6	2.384	3.324	6.4	20.9
3 12	12 11.77	+14 17.0	2.362	3.332	4.5	20.8
3 22	12 4.49	+15 12.2	2.370	3.339	4.7	20.8
4 1	11 57.29	+15 54.4	2.405	3.347	6.8	20.9
4 11	11 50.89	+16 20.2	2.468	3.354	9.3	21.1
4 21	11 45.82	+16 28.7	2.554	3.362	11.7	21.3
138638 2000 RF_{24}			3 21.7 139°.04	2°.6/25.2 18		
2 11	12 25.97	−12 45.3	2.702	3.419	12.8	20.3
2 21	12 22.62	−12 31.1	2.605	3.425	10.6	20.1
3 2	12 17.61	−12 1.0	2.529	3.432	8.0	20.0
3 12	12 11.38	−11 16.2	2.480	3.438	5.1	19.8
3 22	12 4.50	−10 19.3	2.458	3.445	2.8	19.6
4 1	11 57.64	− 9 14.8	2.467	3.451	3.5	19.7
4 11	11 51.46	− 8 7.9	2.505	3.456	6.1	19.9
4 21	11 46.51	− 7 3.9	2.570	3.462	8.9	20.0
500712 2012 XM_{1}			3 21.7 198°.50	2°.3/24.7 17		
2 11	12 26.76	−11 22.1	2.660	3.384	12.8	22.1
2 21	12 23.32	−11 11.2	2.555	3.381	10.6	22.0
3 2	12 18.16	−10 44.9	2.471	3.379	7.9	21.8
3 12	12 11.69	−10 4.4	2.413	3.376	5.0	21.6
3 22	12 4.49	− 9 12.3	2.384	3.372	2.5	21.4
4 1	11 57.25	− 8 12.6	2.384	3.369	3.5	21.5
4 11	11 50.68	− 7 10.8	2.414	3.365	6.4	21.6
4 21	11 45.35	− 6 12.0	2.470	3.360	9.3	21.8
17624 1996 AT			3 21.7 266°.54	2°.3/19.9 18		
2 11	12 29.83	+ 0 52.2	1.510	2.314	17.6	18.2
2 21	12 27.19	+ 1 37.0	1.417	2.303	14.0	18.0
3 2	12 21.66	+ 2 39.2	1.345	2.291	9.6	17.7
3 12	12 13.77	+ 3 53.0	1.296	2.279	4.8	17.4
3 22	12 4.45	+ 5 10.1	1.274	2.268	2.5	17.2
4 1	11 54.97	+ 6 20.4	1.278	2.256	7.0	17.4
4 11	11 46.69	+ 7 15.0	1.307	2.244	12.0	17.7
4 21	11 40.62	+ 7 48.6	1.358	2.231	16.4	17.9
116889 2004 FB_{126}			3 21.7 190°.81	1°.9/20.1 17		
2 11	12 36.23	+ 4 11.7	2.089	2.866	14.3	20.1
2 21	12 31.20	+ 4 22.4	1.996	2.865	11.3	19.9
3 2	12 23.81	+ 4 40.5	1.925	2.864	7.8	19.7
3 12	12 14.62	+ 5 1.9	1.882	2.862	4.0	19.4
3 22	12 4.44	+ 5 22.0	1.867	2.860	2.1	19.3
4 1	11 54.26	+ 5 36.1	1.882	2.857	5.4	19.5
4 11	11 45.09	+ 5 40.3	1.926	2.854	9.2	19.7
4 21	11 37.71	+ 5 32.6	1.994	2.850	12.7	19.9
462345 2008 QQ_{17}			3 21.7 291°.33	3°.7/17.6 16		
2 11	12 25.65	+ 3 22.9	1.831	2.636	14.9	21.6
2 21	12 23.49	+ 4 47.9	1.720	2.608	11.8	21.4
3 2	12 18.92	+ 6 30.5	1.632	2.579	8.1	21.1
3 12	12 12.35	+ 8 23.8	1.570	2.550	4.6	20.8
3 22	12 4.50	+10 18.4	1.536	2.521	4.3	20.7
4 1	11 56.36	+12 3.3	1.530	2.492	7.9	20.9
4 11	11 49.05	+13 29.2	1.549	2.462	12.2	21.0
4 21	11 43.47	+14 30.3	1.592	2.433	16.1	21.2
199297 2006 BB_{79}			3 21.7 40°.72	2°.1/20.2 18		
2 11	12 31.28	+ 1 39.3	1.274	2.090	19.6	20.3
2 21	12 28.53	+ 2 4.4	1.207	2.098	15.5	20.1
3 2	12 22.58	+ 2 44.9	1.159	2.107	10.6	19.8
3 12	12 14.16	+ 3 34.5	1.133	2.116	5.3	19.5
3 22	12 4.46	+ 4 24.6	1.132	2.126	2.4	19.4
4 1	11 54.95	+ 5 6.5	1.156	2.136	7.1	19.7
4 11	11 47.05	+ 5 32.7	1.204	2.147	12.1	20.0
4 21	11 41.69	+ 5 39.9	1.273	2.158	16.5	20.3
336528 2008 YE_{116}			3 21.7 134°.90	0°.7/22.5 17		
2 11	12 28.14	− 5 11.8	2.402	3.157	13.2	21.5
2 21	12 24.49	− 4 53.6	2.311	3.164	10.6	21.3
3 2	12 19.00	− 4 22.3	2.242	3.171	7.5	21.1
3 12	12 12.13	− 3 40.3	2.201	3.177	4.0	20.9
3 22	12 4.52	− 2 51.6	2.187	3.183	0.7	20.6
4 1	11 56.95	− 2 1.0	2.204	3.189	3.6	20.9
4 11	11 50.17	− 1 13.6	2.249	3.195	7.1	21.1
4 21	11 44.78	− 0 33.8	2.320	3.200	10.2	21.3
402071 2003 UD_{29}			3 21.7 105°.59	0°.5/21.3 18		
2 11	12 32.93	− 2 0.7	1.771	2.549	16.4	21.9
2 21	12 28.83	− 1 34.6	1.697	2.566	13.0	21.7
3 2	12 22.25	− 0 53.7	1.645	2.582	8.9	21.4
3 12	12 13.83	− 0 2.4	1.618	2.598	4.4	21.2
3 22	12 4.48	+ 0 53.3	1.618	2.614	0.6	20.9
4 1	11 55.32	+ 1 46.4	1.647	2.629	5.0	21.3
4 11	11 47.37	+ 2 30.6	1.703	2.644	9.3	21.6
4 21	11 41.39	+ 3 1.4	1.783	2.659	13.0	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
378850 2008 TK_{29}			3 21.7 158°.39		1°.6/19.7 17	
	h m	° ′			°	m
2 11	12 31.48	+ 3 33.3	2.799	3.568	11.2	21.7
2 21	12 26.75	+ 4 2.8	2.710	3.577	8.8	21.5
3 2	12 20.36	+ 4 38.9	2.647	3.584	6.0	21.4
3 12	12 12.75	+ 5 18.0	2.611	3.592	3.0	21.2
3 22	12 4.52	+ 5 56.1	2.606	3.598	1.8	21.1
4 1	11 56.34	+ 6 29.1	2.633	3.604	4.3	21.3
4 11	11 48.90	+ 6 53.7	2.688	3.609	7.3	21.5
4 21	11 42.72	+ 7 7.7	2.770	3.614	9.9	21.6
191244 2002 YC_{4}			3 21.7 173°.44		3°.4/24.7 18	
2 11	12 35.27	−11 32.3	1.945	2.673	16.8	20.8
2 21	12 30.75	−11 42.4	1.849	2.677	14.0	20.6
3 2	12 23.70	−11 33.5	1.773	2.680	10.5	20.4
3 12	12 14.65	−11 5.6	1.721	2.683	6.7	20.1
3 22	12 4.46	−10 21.2	1.697	2.684	3.6	19.9
4 1	11 54.22	− 9 25.3	1.701	2.685	4.7	20.0
4 11	11 45.05	− 8 25.2	1.734	2.685	8.4	20.2
4 21	11 37.78	− 7 28.0	1.792	2.683	12.2	20.4
3652 Soros			3 21.7 251°.30		1°.3/22.9 18	
2 11	12 30.72	− 6 37.4	1.871	2.633	16.3	17.6
2 21	12 27.41	− 6 24.6	1.762	2.617	13.3	17.4
3 2	12 21.57	− 5 53.5	1.672	2.600	9.6	17.1
3 12	12 13.68	− 5 6.0	1.608	2.583	5.3	16.8
3 22	12 4.49	− 4 5.9	1.570	2.565	1.4	16.5
4 1	11 55.06	− 2 59.8	1.561	2.547	4.6	16.7
4 11	11 46.54	− 1 55.6	1.579	2.529	9.2	16.9
4 21	11 39.84	− 1 0.3	1.622	2.510	13.4	17.1
58822 1998 HO_{7}			3 21.7 266°.35		22°.0/ 8.6 18	
2 11	12 59.65	+41 50.7	1.070	1.850	24.8	19.1
2 21	12 53.27	+43 42.7	1.027	1.845	23.2	19.0
3 2	12 40.80	+45 5.9	0.998	1.840	22.2	18.9
3 12	12 23.56	+45 37.4	0.985	1.835	22.1	18.8
3 22	12 4.23	+45 1.2	0.989	1.830	22.9	18.9
4 1	11 46.15	+43 13.6	1.009	1.824	24.6	19.0
4 11	11 32.01	+40 24.9	1.045	1.819	26.7	19.1
4 21	11 22.96	+36 52.7	1.094	1.814	28.8	19.3
250192 2002 UM_{12}			3 21.7 73°.79		8°.6/14.5 17	
2 11	12 38.11	+19 48.2	1.669	2.476	16.0	19.9
2 21	12 32.83	+21 7.8	1.631	2.508	13.0	19.7
3 2	12 24.83	+22 22.1	1.616	2.539	10.2	19.6
3 12	12 15.00	+23 20.8	1.626	2.570	8.6	19.6
3 22	12 4.47	+23 56.2	1.662	2.601	9.2	19.7
4 1	11 54.50	+24 3.8	1.723	2.631	11.2	19.9
4 11	11 46.16	+23 43.8	1.808	2.661	13.8	20.1
4 21	11 40.10	+22 59.8	1.914	2.691	16.1	20.3
6324 Kejonuma			3 21.7 18°.02		1°.8/20.4 18	
2 11	12 27.60	+ 0 59.7	1.375	2.190	18.5	16.7
2 21	12 25.42	+ 1 25.3	1.304	2.195	14.6	16.5
3 2	12 20.33	+ 2 6.4	1.252	2.201	10.0	16.2
3 12	12 13.02	+ 2 56.9	1.224	2.207	4.9	16.0
3 22	12 4.52	+ 3 49.3	1.220	2.215	2.0	15.8
4 1	11 56.14	+ 4 34.8	1.242	2.223	6.5	16.1
4 11	11 49.16	+ 5 6.3	1.288	2.232	11.4	16.4
4 21	11 44.45	+ 5 19.8	1.355	2.242	15.6	16.7
84998 2003 YD_{123}			3 21.7 68°.34		4°.9/16.1 17	
2 11	12 27.48	+10 53.9	2.096	2.905	13.2	19.5
2 21	12 24.24	+12 3.3	2.024	2.911	10.3	19.3
3 2	12 18.95	+13 17.5	1.976	2.918	7.4	19.1
3 12	12 12.13	+14 29.0	1.954	2.924	5.2	19.0
3 22	12 4.54	+15 30.9	1.960	2.931	5.4	19.0
4 1	11 57.05	+16 16.9	1.994	2.937	7.8	19.2
4 11	11 50.51	+16 43.3	2.054	2.944	10.7	19.4
4 21	11 45.56	+16 49.1	2.136	2.951	13.5	19.6
414525 2009 SM_{75}			3 21.7 102°.80		3°.1/18.6 18	
2 11	12 31.52	+ 5 54.7	2.014	2.808	14.2	21.4
2 21	12 27.40	+ 6 40.0	1.943	2.823	11.0	21.2
3 2	12 21.09	+ 7 32.7	1.895	2.838	7.5	21.0
3 12	12 13.19	+ 8 27.2	1.874	2.853	4.2	20.8
3 22	12 4.52	+ 9 16.9	1.881	2.868	3.4	20.8
4 1	11 56.02	+ 9 56.0	1.917	2.882	6.3	21.0
4 11	11 48.59	+10 20.3	1.979	2.896	9.7	21.2
4 21	11 42.88	+10 28.0	2.066	2.909	12.8	21.4
109560 2001 QN_{262}			3 21.7 159°.61		2°.3/24.9 18	
2 11	12 26.23	−12 2.0	2.663	3.384	12.9	20.2
2 21	12 22.87	−11 43.7	2.563	3.388	10.6	20.1
3 2	12 17.83	−11 9.4	2.486	3.392	7.9	19.9
3 12	12 11.54	−10 20.5	2.434	3.395	5.0	19.7
3 22	12 4.57	− 9 19.8	2.410	3.399	2.5	19.5
4 1	11 57.60	− 8 11.8	2.417	3.401	3.4	19.6
4 11	11 51.32	− 7 2.2	2.453	3.404	6.2	19.8
4 21	11 46.27	− 5 56.3	2.516	3.406	9.1	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
114632 2003 EB_{21}			3 21.7 275°.00		0°.5/22.4 17	
	h m	° ′			°	m
2 11	12 25.17	− 5 23.8	2.426	3.187	13.0	19.9
2 21	12 22.26	− 4 56.5	2.323	3.180	10.4	19.7
3 2	12 17.54	− 4 15.1	2.243	3.173	7.4	19.5
3 12	12 11.44	− 3 22.3	2.188	3.166	3.9	19.3
3 22	12 4.57	− 2 21.9	2.162	3.159	0.6	19.0
4 1	11 57.64	− 1 19.4	2.166	3.152	3.6	19.2
4 11	11 51.42	− 0 20.4	2.198	3.145	7.2	19.4
4 21	11 46.50	+ 0 30.3	2.256	3.137	10.4	19.6
174052 2002 CB_{34}			3 21.7 157°.37		7°.3/10.5 18	
2 11	12 27.17	+22 58.4	2.657	3.459	10.9	20.3
2 21	12 23.67	+24 34.2	2.595	3.462	9.1	20.2
3 2	12 18.40	+26 6.4	2.558	3.465	7.7	20.1
3 12	12 11.82	+27 27.7	2.548	3.468	7.3	20.1
3 22	12 4.56	+28 31.9	2.566	3.470	8.0	20.1
4 1	11 57.36	+29 14.4	2.610	3.473	9.6	20.2
4 11	11 50.95	+29 33.7	2.677	3.475	11.4	20.3
4 21	11 45.89	+29 30.4	2.765	3.477	13.1	20.5
63710 2001 QC_{200}			3 21.7 161°.17		1°.4/23.1 18	
2 11	12 32.42	− 7 41.9	1.865	2.619	16.6	20.3
2 21	12 28.51	− 7 21.8	1.775	2.625	13.4	20.1
3 2	12 22.12	− 6 42.6	1.706	2.631	9.7	19.9
3 12	12 13.84	− 5 46.8	1.662	2.636	5.4	19.6
3 22	12 4.51	− 4 39.1	1.645	2.640	1.5	19.4
4 1	11 55.19	− 3 26.6	1.657	2.644	4.4	19.6
4 11	11 46.97	− 2 17.3	1.698	2.646	8.7	19.9
4 21	11 40.63	− 1 17.8	1.763	2.649	12.6	20.1
242980 2006 ST_{212}			3 21.7 188°.89		1°.8/19.0 18	
2 11	12 25.78	+ 2 42.4	3.020	3.795	10.3	21.6
2 21	12 22.27	+ 3 40.2	2.923	3.794	8.1	21.4
3 2	12 17.29	+ 4 46.3	2.852	3.793	5.5	21.2
3 12	12 11.23	+ 5 56.5	2.810	3.790	2.8	21.0
3 22	12 4.58	+ 7 6.3	2.798	3.788	2.0	21.0
4 1	11 57.92	+ 8 10.7	2.817	3.785	4.4	21.1
4 11	11 51.85	+ 9 5.7	2.866	3.781	7.1	21.3
4 21	11 46.83	+ 9 48.4	2.940	3.778	9.6	21.5
239876 2000 NW			3 21.7 276°.74		5°.0/25.5 16	
2 11	12 30.27	−13 12.1	1.570	2.318	19.4	20.5
2 21	12 27.68	−13 41.6	1.466	2.304	16.4	20.2
3 2	12 22.14	−13 48.4	1.381	2.290	12.8	20.0
3 12	12 14.12	−13 30.8	1.317	2.276	8.7	19.7
3 22	12 4.49	−12 49.5	1.278	2.261	5.3	19.4
4 1	11 54.55	−11 49.3	1.264	2.247	6.1	19.4
4 11	11 45.69	−10 39.1	1.276	2.233	10.1	19.6
4 21	11 39.05	− 9 28.8	1.311	2.218	14.5	19.8
358480 2007 QO_{11}			3 21.7 339°.01		2°.6/23.4 18	
2 11	12 32.41	− 5 50.6	1.372	2.157	20.0	20.5
2 21	12 29.56	− 6 23.9	1.285	2.153	16.4	20.2
3 2	12 23.50	− 6 39.7	1.216	2.148	12.0	19.9
3 12	12 14.79	− 6 38.3	1.169	2.144	7.0	19.6
3 22	12 4.48	− 6 22.4	1.147	2.141	2.7	19.3
4 1	11 54.03	− 5 57.2	1.150	2.138	5.6	19.5
4 11	11 44.98	− 5 30.5	1.178	2.135	10.8	19.8
4 21	11 38.43	− 5 9.2	1.228	2.133	15.5	20.0
139513 2001 PA_{50}			3 21.7 213°.29		6°.0/15.3 17	
2 11	12 31.79	+13 57.4	2.049	2.854	13.6	20.2
2 21	12 27.84	+15 9.2	1.966	2.848	10.8	20.0
3 2	12 21.57	+16 24.4	1.907	2.843	8.1	19.8
3 12	12 13.53	+17 34.9	1.875	2.837	6.2	19.7
3 22	12 4.52	+18 32.8	1.870	2.830	6.6	19.7
4 1	11 55.52	+19 11.6	1.893	2.823	9.0	19.8
4 11	11 47.53	+19 27.8	1.941	2.816	12.0	20.0
4 21	11 41.28	+19 20.9	2.010	2.808	14.8	20.2
286584 2002 CN_{234}			3 21.7 97°.53		2°.4/19.6 18	
2 11	12 34.17	+ 1 24.7	1.667	2.457	16.8	22.0
2 21	12 29.82	+ 2 23.8	1.605	2.483	13.1	21.8
3 2	12 22.91	+ 3 36.4	1.566	2.509	8.8	21.6
3 12	12 14.14	+ 4 55.3	1.552	2.534	4.4	21.4
3 22	12 4.53	+ 6 12.2	1.566	2.558	2.7	21.3
4 1	11 55.23	+ 7 18.7	1.609	2.582	6.4	21.6
4 11	11 47.30	+ 8 8.5	1.678	2.605	10.4	21.9
4 21	11 41.46	+ 8 38.8	1.771	2.628	14.0	22.1
500567 2012 UM_{64}			3 21.7 67°.15		0°.5/22.4 17	
2 11	12 24.85	− 6 15.6	2.286	3.047	13.7	21.6
2 21	12 22.02	− 5 36.2	2.199	3.056	10.9	21.4
3 2	12 17.35	− 4 41.2	2.135	3.066	7.7	21.2
3 12	12 11.33	− 3 33.9	2.098	3.075	4.0	21.0
3 22	12 4.60	− 2 19.2	2.088	3.085	0.6	20.8
4 1	11 57.93	− 1 3.3	2.109	3.094	3.7	21.0
4 11	11 52.07	+ 0 7.3	2.157	3.104	7.3	21.3
4 21	11 47.59	+ 1 7.7	2.232	3.113	10.5	21.5

254645 2005 JS_{126} 3 21.7 242°.52 1°.2/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 31.03	− 0 1.5	1.999	2.778	14.7	21.8
2 21	12 27.40	+ 0 31.3	1.893	2.764	11.7	21.6
3 2	12 21.42	+ 1 17.5	1.810	2.750	8.1	21.4
3 12	12 13.55	+ 2 13.1	1.753	2.735	4.0	21.1
3 22	12 4.54	+ 3 12.5	1.724	2.719	1.4	20.8
4 1	11 55.38	+ 4 8.9	1.724	2.703	5.3	21.1
4 11	11 47.09	+ 4 55.7	1.752	2.687	9.5	21.3
4 21	11 40.52	+ 5 28.5	1.804	2.670	13.3	21.5

464666 2001 SA_{237} 3 21.7 119°.91 0°.1/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.08	− 2 46.2	2.169	2.932	14.3	22.6
2 21	12 27.69	− 2 21.6	2.090	2.949	11.3	22.4
3 2	12 21.24	− 1 44.2	2.033	2.966	7.8	22.3
3 12	12 13.27	− 0 57.5	2.003	2.983	3.9	22.0
3 22	12 4.55	− 0 6.4	2.002	2.999	0.2	21.7
4 1	11 55.97	+ 0 43.7	2.031	3.014	4.2	22.1
4 11	11 48.36	+ 1 27.3	2.088	3.029	7.9	22.4
4 21	11 42.37	+ 2 0.6	2.171	3.043	11.2	22.6

421392 2013 US_{14} 3 21.7 117°.72 2°.5/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.84	−10 47.2	2.105	2.846	15.3	21.2
2 21	12 24.62	−10 36.3	2.014	2.852	12.6	21.0
3 2	12 19.29	−10 6.8	1.943	2.858	9.3	20.8
3 12	12 12.37	− 9 20.2	1.897	2.863	5.7	20.6
3 22	12 4.58	− 8 20.1	1.879	2.869	2.7	20.4
4 1	11 56.81	− 7 12.1	1.889	2.875	4.0	20.5
4 11	11 49.94	− 6 3.3	1.927	2.880	7.5	20.8
4 21	11 44.66	− 4 59.9	1.991	2.886	11.0	21.0

145609 2006 QU_{35} 3 21.7 213°.53 1°.1/20.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.74	− 0 13.1	2.055	2.831	14.5	21.1
2 21	12 27.81	+ 0 18.9	1.956	2.824	11.5	20.9
3 2	12 21.60	+ 1 3.7	1.879	2.817	7.9	20.7
3 12	12 13.59	+ 1 57.5	1.828	2.809	3.9	20.4
3 22	12 4.55	+ 2 54.6	1.806	2.801	1.3	20.2
4 1	11 55.43	+ 3 48.7	1.813	2.792	5.1	20.4
4 11	11 47.21	+ 4 33.6	1.847	2.782	9.1	20.7
4 21	11 40.68	+ 5 5.1	1.907	2.772	12.8	20.9

323453 2004 HQ_{53} 3 21.7 277°.19 9°.2/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.79	+19 54.7	1.774	2.593	14.7	20.2
2 21	12 26.81	+21 40.0	1.697	2.580	12.2	20.0
3 2	12 21.18	+23 25.6	1.644	2.568	10.0	19.9
3 12	12 13.46	+25 0.3	1.616	2.555	9.2	19.8
3 22	12 4.55	+26 13.5	1.613	2.543	10.2	19.8
4 1	11 55.62	+26 57.2	1.635	2.530	12.6	19.9
4 11	11 47.83	+27 8.1	1.679	2.517	15.4	20.1
4 21	11 42.07	+26 47.7	1.742	2.504	18.0	20.2

272979 2006 DF_{22} 3 21.8 280°.30 0°.6/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.89	− 0 33.6	1.993	2.774	14.8	20.9
2 21	12 26.43	− 0 20.7	1.895	2.766	11.8	20.7
3 2	12 20.68	+ 0 4.1	1.819	2.757	8.1	20.5
3 12	12 13.15	+ 0 37.6	1.768	2.749	4.1	20.2
3 22	12 4.57	+ 1 15.1	1.745	2.741	0.7	19.9
4 1	11 55.92	+ 1 51.1	1.751	2.733	4.8	20.2
4 11	11 48.18	+ 2 20.1	1.784	2.725	8.9	20.4
4 21	11 42.13	+ 2 38.2	1.841	2.717	12.6	20.6

75658 2000 AE_{76} 3 21.8 214°.82 2°.5/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.93	+ 2 22.5	1.993	2.782	14.5	19.7
2 21	12 26.45	+ 3 20.2	1.898	2.776	11.4	19.5
3 2	12 20.68	+ 4 30.8	1.826	2.769	7.8	19.3
3 12	12 13.14	+ 5 48.7	1.781	2.762	4.0	19.0
3 22	12 4.57	+ 7 6.7	1.764	2.754	2.8	18.9
4 1	11 55.95	+ 8 16.9	1.775	2.746	6.2	19.1
4 11	11 48.25	+ 9 12.9	1.814	2.737	10.1	19.3
4 21	11 42.24	+ 9 50.6	1.877	2.727	13.6	19.5

375375 2008 SR_{147} 3 21.8 119°.48 0°.3/21.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.23	− 1 32.6	2.604	3.362	12.3	22.4
2 21	12 26.64	− 1 9.9	2.525	3.382	9.7	22.3
3 2	12 20.31	− 0 37.5	2.469	3.402	6.6	22.1
3 12	12 12.75	+ 0 1.7	2.441	3.421	3.3	21.9
3 22	12 4.60	+ 0 43.7	2.443	3.439	0.4	21.7
4 1	11 56.56	+ 1 24.1	2.476	3.457	3.7	22.0
4 11	11 49.33	+ 1 58.8	2.538	3.474	6.9	22.2
4 21	11 43.46	+ 2 24.9	2.626	3.491	9.7	22.4

106864 2000 YL_{27} 3 21.8 116°.58 0°.8/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.91	− 5 55.1	1.794	2.559	16.7	20.4
2 21	12 28.08	− 5 31.1	1.715	2.574	13.4	20.2
3 2	12 21.79	− 4 49.0	1.657	2.588	9.5	20.0
3 12	12 13.66	− 3 52.2	1.624	2.601	5.0	19.8
3 22	12 4.58	− 2 46.3	1.619	2.615	0.8	19.5
4 1	11 55.63	− 1 38.6	1.642	2.627	4.5	19.8
4 11	11 47.84	− 0 36.6	1.692	2.640	8.8	20.0
4 21	11 41.97	+ 0 13.8	1.767	2.651	12.7	20.3

272964 2006 CO_{56} 3 21.8 230°.09 3°.0/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 30.68	−11 1.3	2.330	3.056	14.4	21.1
2 21	12 26.80	−11 14.4	2.220	3.047	12.0	20.9
3 2	12 20.83	−11 12.0	2.131	3.037	9.0	20.7
3 12	12 13.21	−10 54.3	2.067	3.027	5.8	20.4
3 22	12 4.59	−10 23.2	2.031	3.017	3.2	20.3
4 1	11 55.84	− 9 42.1	2.024	3.007	4.2	20.3
4 11	11 47.84	− 8 56.5	2.045	2.996	7.3	20.5
4 21	11 41.33	− 8 11.8	2.093	2.985	10.6	20.7

77446 2001 HT_{4} 3 21.8 291°.70 2°.9/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.66	+ 3 28.1	1.618	2.424	16.5	19.6
2 21	12 26.95	+ 4 5.3	1.519	2.405	13.1	19.3
3 2	12 21.48	+ 4 55.9	1.440	2.387	9.1	19.0
3 12	12 13.73	+ 5 54.2	1.386	2.368	4.8	18.7
3 22	12 4.58	+ 6 52.6	1.358	2.350	3.2	18.5
4 1	11 55.20	+ 7 42.5	1.357	2.331	7.2	18.7
4 11	11 46.89	+ 8 16.6	1.381	2.313	11.8	18.9
4 21	11 40.65	+ 8 30.9	1.427	2.295	16.1	19.1

522581 2016 EA_{246} 3 21.8 263°.30 2°.1/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 35.79	− 5 13.6	1.888	2.644	16.3	21.9
2 21	12 31.40	− 5 45.9	1.783	2.633	13.4	21.6
3 2	12 24.34	− 6 5.7	1.698	2.623	9.7	21.4
3 12	12 15.12	− 6 13.7	1.639	2.611	5.6	21.1
3 22	12 4.55	− 6 11.5	1.607	2.600	2.1	20.9
4 1	11 53.76	− 6 2.5	1.603	2.589	4.7	21.0
4 11	11 43.96	− 5 51.6	1.627	2.577	9.0	21.2
4 21	11 36.09	− 5 43.5	1.677	2.565	13.0	21.4

206284 2003 AL_{66} 3 21.8 88°.98 8°.0/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.52	+23 24.7	2.277	3.078	12.5	19.8
2 21	12 27.31	+24 37.1	2.218	3.085	10.4	19.6
3 2	12 20.99	+25 44.2	2.184	3.093	8.7	19.5
3 12	12 13.16	+26 38.1	2.175	3.101	8.0	19.5
3 22	12 4.61	+27 12.6	2.192	3.108	8.6	19.6
4 1	11 56.24	+27 23.5	2.235	3.116	10.3	19.7
4 11	11 48.92	+27 10.2	2.302	3.123	12.3	19.8
4 21	11 43.26	+26 34.3	2.390	3.131	14.3	20.0

507339 2011 UR_{71} 3 21.8 192°.48 1°.9/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.60	− 9 46.9	2.885	3.612	11.9	22.7
2 21	12 23.06	− 9 36.5	2.780	3.610	9.7	22.5
3 2	12 17.93	− 9 12.8	2.697	3.608	7.2	22.4
3 12	12 11.62	− 8 37.2	2.641	3.606	4.3	22.2
3 22	12 4.65	− 7 52.0	2.613	3.604	2.0	22.0
4 1	11 57.64	− 7 1.2	2.616	3.601	3.1	22.1
4 11	11 51.25	− 6 9.2	2.648	3.598	5.9	22.3
4 21	11 45.98	− 5 20.3	2.708	3.595	8.7	22.4

417311 2006 BF_{146} 3 21.8 4°.13 2°.7/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.17	+ 4 54.9	1.514	2.326	17.2	20.6
2 21	12 27.26	+ 5 7.6	1.436	2.326	13.5	20.4
3 2	12 21.55	+ 5 29.7	1.379	2.326	9.3	20.1
3 12	12 13.66	+ 5 55.4	1.345	2.327	4.8	19.9
3 22	12 4.59	+ 6 18.4	1.337	2.329	3.0	19.8
4 1	11 55.60	+ 6 32.4	1.356	2.332	6.8	20.0
4 11	11 47.92	+ 6 32.4	1.399	2.336	11.3	20.3
4 21	11 42.42	+ 6 16.5	1.464	2.341	15.3	20.5

209458 2004 GP_{22} 3 21.8 25°.81 5°.5/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 34.64	+14 47.0	1.969	2.771	14.1	20.1
2 21	12 30.00	+15 13.1	1.896	2.776	11.3	19.9
3 2	12 22.98	+15 38.9	1.845	2.781	8.3	19.7
3 12	12 14.21	+15 57.6	1.821	2.787	5.9	19.6
3 22	12 4.59	+16 3.8	1.824	2.793	5.9	19.6
4 1	11 55.15	+15 53.1	1.854	2.799	8.2	19.7
4 11	11 46.90	+15 24.2	1.911	2.806	11.2	19.9
4 21	11 40.54	+14 38.0	1.991	2.813	14.0	20.1

383865 2008 QE_{45} 3 21.8 210°.26 2°.4/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.90	−11 34.8	2.660	3.378	13.0	22.4
2 21	12 25.08	−11 22.5	2.547	3.370	10.7	22.2
3 2	12 19.45	−10 54.5	2.457	3.362	8.0	22.0
3 12	12 12.44	−10 11.6	2.392	3.353	5.1	21.8
3 22	12 4.63	− 9 16.4	2.356	3.344	2.6	21.7
4 1	11 56.73	− 8 13.2	2.350	3.334	3.5	21.7
4 11	11 49.48	− 7 7.5	2.374	3.323	6.5	21.9
4 21	11 43.51	− 6 4.6	2.425	3.312	9.5	22.1

423766 2006 DM_{113} 3 21.8 84°.66 0°.1/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 35.12	− 1 31.5	2.010	2.776	15.1	21.2
2 21	12 30.22	− 1 36.6	1.935	2.796	12.0	21.0
3 2	12 23.05	− 1 30.7	1.882	2.815	8.3	20.8
3 12	12 14.23	− 1 16.6	1.856	2.835	4.2	20.6
3 22	12 4.59	− 0 57.9	1.858	2.854	0.2	20.3
4 1	11 55.14	− 0 39.1	1.889	2.873	4.3	20.7
4 11	11 46.82	− 0 24.6	1.949	2.892	8.2	20.9
4 21	11 40.30	− 0 17.6	2.034	2.911	11.6	21.2

280592 2004 VV_{12} 3 21.8 188°.83 3°.0/25.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 27.63	−13 59.8	2.417	3.131	14.2	21.8
2 21	12 24.25	−13 43.2	2.313	3.131	11.9	21.6
3 2	12 18.96	−13 7.6	2.230	3.130	9.0	21.4
3 12	12 12.21	−12 14.0	2.171	3.128	5.9	21.2
3 22	12 4.64	−11 5.1	2.141	3.126	3.3	21.1
4 1	11 57.03	− 9 46.0	2.140	3.124	3.9	21.1
4 11	11 50.19	− 8 23.5	2.168	3.121	6.9	21.3
4 21	11 44.74	− 7 4.0	2.224	3.117	10.0	21.5

426547 2013 RS_{84} 3 21.8 221°.91 0°.8/22.7 17

2 11	12 31.70	− 5 18.9	2.535	3.279	12.9	22.4
2 21	12 27.38	− 5 7.9	2.421	3.267	10.5	22.2
3 2	12 21.11	− 4 44.2	2.330	3.254	7.5	21.9
3 12	12 13.32	− 4 9.9	2.266	3.241	4.1	21.7
3 22	12 4.62	− 3 27.9	2.231	3.227	0.9	21.4
4 1	11 55.78	− 2 42.5	2.227	3.212	3.6	21.6
4 11	11 47.64	− 1 58.9	2.252	3.196	7.2	21.8
4 21	11 40.85	− 1 21.4	2.305	3.180	10.5	22.0

235221 2003 SZ_{236} 3 21.8 177°.88 0°.5/21.2 17

2 11	12 28.45	− 1 43.5	2.333	3.103	13.2	21.5
2 21	12 24.86	− 1 11.8	2.240	3.104	10.4	21.3
3 2	12 19.35	− 0 28.0	2.169	3.105	7.2	21.1
3 12	12 12.39	+ 0 24.4	2.125	3.106	3.6	20.8
3 22	12 4.64	+ 1 20.7	2.110	3.106	0.6	20.6
4 1	11 56.90	+ 2 15.4	2.124	3.106	4.2	20.9
4 11	11 49.95	+ 3 3.0	2.167	3.105	7.8	21.1
4 21	11 44.42	+ 3 39.8	2.236	3.104	11.0	21.3

63680 2001 QD_{147} 3 21.8 151°.77 3°.8/16.6 18

2 11	12 28.03	+10 36.2	2.750	3.543	10.8	20.1
2 21	12 24.16	+11 33.3	2.671	3.550	8.5	20.0
3 2	12 18.65	+12 33.8	2.618	3.556	6.0	19.8
3 12	12 11.96	+13 32.5	2.592	3.562	4.1	19.7
3 22	12 4.66	+14 24.3	2.596	3.568	4.2	19.7
4 1	11 57.42	+15 4.7	2.629	3.573	6.1	19.8
4 11	11 50.91	+15 30.7	2.690	3.578	8.6	20.0
4 21	11 45.62	+15 41.1	2.776	3.583	10.9	20.2

248553 2005 YN_{16} 3 21.8 313°.54 5°.8/25.6 16

2 11	12 28.58	−12 34.4	1.340	2.109	21.2	20.5
2 21	12 26.87	−13 22.3	1.243	2.093	18.0	20.2
3 2	12 21.92	−13 47.3	1.163	2.078	14.1	19.9
3 12	12 14.18	−13 46.5	1.103	2.063	9.7	19.6
3 22	12 4.59	−13 19.6	1.065	2.049	6.1	19.4
4 1	11 54.60	−12 30.9	1.052	2.035	6.9	19.4
4 11	11 45.85	−11 29.7	1.062	2.022	11.2	19.6
4 21	11 39.62	−10 26.7	1.093	2.010	16.0	19.8

473129 2015 JM_5 3 21.8 116°.34 2°.6/24.7 17

2 11	12 29.05	−10 9.7	2.549	3.276	13.3	21.3
2 21	12 25.18	−10 21.9	2.453	3.282	10.9	21.1
3 2	12 19.49	−10 20.4	2.379	3.288	8.1	20.9
3 12	12 12.44	−10 5.9	2.331	3.293	5.1	20.8
3 22	12 4.65	− 9 40.5	2.311	3.299	2.7	20.6
4 1	11 56.85	− 9 7.5	2.321	3.304	3.6	20.7
4 11	11 49.79	− 8 31.5	2.359	3.310	6.5	20.9
4 21	11 44.07	− 7 56.8	2.424	3.315	9.4	21.0

29218 1992 AY 3 21.8 43°.31 7°.7/12.9 18 R

2 11	12 27.74	+18 53.1	1.969	2.786	13.6	17.5
2 21	12 24.63	+20 22.9	1.914	2.798	11.0	17.3
3 2	12 19.30	+21 50.5	1.883	2.810	8.8	17.2
3 12	12 12.36	+23 7.0	1.878	2.822	7.7	17.2
3 22	12 4.66	+24 4.6	1.899	2.835	8.4	17.2
4 1	11 57.14	+24 37.7	1.945	2.848	10.5	17.4
4 11	11 50.72	+24 44.6	2.015	2.861	12.8	17.6
4 21	11 46.04	+24 26.7	2.105	2.874	15.1	17.7

111242 2001 XG_2 3 21.8 212°.46 5°.5/17.9 18

2 11	12 44.52	+15 27.2	2.010	2.791	14.6	19.4
2 21	12 37.87	+15 39.4	1.921	2.787	11.8	19.2
3 2	12 28.51	+15 49.7	1.855	2.784	8.7	19.0
3 12	12 17.07	+15 51.8	1.815	2.780	6.1	18.8
3 22	12 4.55	+15 40.1	1.806	2.776	5.8	18.8
4 1	11 52.16	+15 10.9	1.826	2.772	8.2	18.9
4 11	11 41.06	+14 23.3	1.874	2.767	11.4	19.1
4 21	11 32.12	+13 19.2	1.947	2.763	14.5	19.3

498720 2008 TM_{108} 3 21.8 161°.56 1°.1/20.5 17

2 11	12 28.00	− 0 30.0	2.252	3.029	13.4	22.3
2 21	12 24.56	+ 0 12.6	2.162	3.032	10.5	22.2
3 2	12 19.17	+ 1 7.4	2.095	3.035	7.2	21.9
3 12	12 12.31	+ 2 10.2	2.056	3.037	3.5	21.7
3 22	12 4.67	+ 3 15.4	2.045	3.040	1.3	21.5
4 1	11 57.04	+ 4 16.9	2.064	3.042	4.7	21.8
4 11	11 50.25	+ 5 9.2	2.110	3.044	8.2	22.0
4 21	11 44.92	+ 5 48.4	2.182	3.045	11.5	22.2

499220 2009 UB_{80} 3 21.8 204°.56 1°.4/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 30.60	− 7 42.0	2.558	3.293	13.0	22.9
2 21	12 26.46	− 7 26.9	2.449	3.287	10.6	22.7
3 2	12 20.44	− 6 57.8	2.362	3.281	7.7	22.5
3 12	12 12.97	− 6 16.1	2.302	3.273	4.4	22.3
3 22	12 4.65	− 5 25.0	2.271	3.265	1.5	22.0
4 1	11 56.26	− 4 29.1	2.271	3.256	3.5	22.2
4 11	11 48.57	− 3 33.7	2.300	3.246	6.9	22.4
4 21	11 42.21	− 2 43.7	2.356	3.236	10.1	22.6

255710 2006 QL_{104} 3 21.8 211°.42 0°.7/22.5 16

2 11	12 31.73	− 5 22.3	2.185	2.939	14.4	21.7
2 21	12 27.72	− 5 2.1	2.080	2.932	11.7	21.4
3 2	12 21.52	− 4 26.6	1.996	2.923	8.3	21.2
3 12	12 13.59	− 3 38.3	1.938	2.915	4.4	21.0
3 22	12 4.65	− 2 41.2	1.909	2.905	0.7	20.6
4 1	11 55.59	− 1 41.2	1.910	2.895	4.1	20.9
4 11	11 47.38	− 0 44.5	1.939	2.884	8.1	21.1
4 21	11 40.75	+ 0 3.4	1.994	2.872	11.7	21.3

305878 2009 FN_{10} 3 21.8 50°.05 0°.2/21.9 18

2 11	12 30.01	− 3 54.0	1.353	2.151	19.6	21.1
2 21	12 27.35	− 3 36.0	1.285	2.164	15.6	20.9
3 2	12 21.69	− 2 57.9	1.236	2.177	10.9	20.6
3 12	12 13.75	− 2 4.0	1.210	2.191	5.6	20.4
3 22	12 4.64	− 1 1.5	1.209	2.205	0.2	20.0
4 1	11 55.73	+ 0 0.6	1.234	2.220	5.6	20.4
4 11	11 48.31	+ 0 53.2	1.283	2.235	10.6	20.8
4 21	11 43.25	+ 1 30.5	1.355	2.250	15.0	21.1

222254 2000 QC_{66} 3 21.8 185°.89 2°.7/18.6 17

2 11	12 31.31	+ 6 6.3	2.531	3.312	11.9	20.9
2 21	12 26.93	+ 6 50.8	2.439	3.312	9.4	20.8
3 2	12 20.69	+ 7 42.0	2.371	3.311	6.4	20.6
3 12	12 13.05	+ 8 35.1	2.332	3.310	3.6	20.4
3 22	12 4.66	+ 9 24.9	2.322	3.308	3.0	20.3
4 1	11 56.28	+10 6.3	2.342	3.305	5.5	20.5
4 11	11 48.68	+10 35.5	2.391	3.301	8.5	20.7
4 21	11 42.45	+10 50.4	2.465	3.297	11.3	20.8

14641 1998 WC_6 3 21.8 229°.13 2°.8/19.3 18

2 11	12 32.94	+ 3 1.8	1.774	2.567	15.8	19.0
2 21	12 29.24	+ 3 51.3	1.677	2.556	12.6	18.7
3 2	12 22.89	+ 4 54.3	1.601	2.544	8.6	18.4
3 12	12 14.40	+ 6 4.9	1.550	2.532	4.5	18.2
3 22	12 4.63	+ 7 15.5	1.528	2.519	3.1	18.0
4 1	11 54.71	+ 8 17.6	1.533	2.505	6.9	18.2
4 11	11 45.84	+ 9 3.9	1.565	2.490	11.2	18.4
4 21	11 38.95	+ 9 30.6	1.621	2.475	15.2	18.7

352465 2008 AO_{108} 3 21.8 146°.02 3°.4/25.9 17

2 11	12 28.08	−13 49.2	2.631	3.339	13.3	21.7
2 21	12 24.42	−14 0.5	2.531	3.343	11.1	21.5
3 2	12 18.98	−13 56.2	2.453	3.347	8.6	21.4
3 12	12 12.21	−13 36.8	2.400	3.351	5.8	21.2
3 22	12 4.70	−13 3.8	2.374	3.354	3.7	21.1
4 1	11 57.16	−12 20.7	2.378	3.358	4.0	21.1
4 11	11 50.34	−11 32.1	2.411	3.361	6.4	21.2
4 21	11 44.80	−10 43.2	2.470	3.364	9.1	21.4

306185 2011 FK_{132} 3 21.8 12°.13 7°.0/28.7 17

2 11	12 22.72	−20 8.7	1.513	2.243	20.8	19.7
2 21	12 21.61	−20 30.1	1.431	2.246	17.9	19.5
3 2	12 17.80	−20 21.0	1.364	2.251	14.5	19.3
3 12	12 11.85	−19 39.0	1.317	2.256	10.8	19.0
3 22	12 4.70	−18 25.9	1.293	2.262	7.7	18.9
4 1	11 57.55	−16 48.2	1.293	2.269	7.2	18.9
4 11	11 51.62	−14 57.2	1.318	2.277	9.6	19.0
4 21	11 47.79	−13 5.0	1.367	2.286	13.2	19.2

26766 3052 $P\text{–}L$ 3 21.8 213°.42 2°.9/24.9 18

2 11	12 29.89	−11 6.2	2.503	3.225	13.6	19.0
2 21	12 25.98	−11 22.1	2.398	3.222	11.3	18.8
3 2	12 20.16	−11 23.8	2.313	3.218	8.5	18.6
3 12	12 12.86	−11 11.5	2.255	3.214	5.5	18.4
3 22	12 4.70	−10 46.8	2.224	3.209	3.1	18.3
4 1	11 56.46	−10 13.1	2.222	3.205	3.9	18.3
4 11	11 48.93	− 9 34.9	2.250	3.200	6.8	18.5
4 21	11 42.78	− 8 57.1	2.304	3.195	9.8	18.7

48608 1995 DW_8 3 21.8 78°.50 0°.9/20.8 18

2 11	12 27.46	− 0 52.8	2.109	2.890	14.0	18.9
2 21	12 24.29	− 0 19.5	2.022	2.893	11.1	18.7
3 2	12 19.07	+ 0 26.3	1.956	2.896	7.6	18.5
3 12	12 12.31	+ 1 20.7	1.917	2.899	3.7	18.3
3 22	12 4.72	+ 2 18.3	1.906	2.902	1.0	18.1
4 1	11 57.14	+ 3 13.0	1.924	2.905	4.7	18.3
4 11	11 50.46	+ 3 59.0	1.969	2.908	8.4	18.6
4 21	11 45.31	+ 4 32.5	2.040	2.911	11.8	18.8

146387 2001 QX_{76} 3 21.8 152°.24 1°.0/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 31.08	− 6 0.9	2.214	2.965	14.3	20.2
2 21	12 27.03	− 5 46.8	2.123	2.973	11.6	20.0
3 2	12 20.91	− 5 18.2	2.054	2.979	8.2	19.8
3 12	12 13.23	− 4 37.3	2.011	2.986	4.5	19.6
3 22	12 4.70	− 3 48.1	1.996	2.992	1.1	19.3
4 1	11 56.20	− 2 55.8	2.011	2.997	3.8	19.6
4 11	11 48.60	− 2 6.3	2.055	3.002	7.6	19.8
4 21	11 42.55	− 1 24.3	2.124	3.006	11.0	20.0

384139 2008 YM_{106} 3 21.8 24°.98 1°.3/23.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.30	− 5 38.3	2.007	2.772	15.2	21.4
2 21	12 25.10	− 5 38.9	1.918	2.776	12.2	21.2
3 2	12 19.72	− 5 25.0	1.851	2.780	8.7	21.0
3 12	12 12.68	− 4 58.5	1.809	2.784	4.8	20.7
3 22	12 4.72	− 4 23.0	1.793	2.788	1.3	20.5
4 1	11 56.78	− 3 43.5	1.806	2.793	4.0	20.7
4 11	11 49.78	− 3 5.8	1.847	2.798	7.9	20.9
4 21	11 44.42	− 2 34.8	1.912	2.803	11.5	21.2

385391 2002 TL_{378} 3 21.8 244°.59 2°.9/25.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.21	−12 59.2	2.548	3.264	13.5	21.4
2 21	12 23.92	−12 51.2	2.431	3.251	11.3	21.2
3 2	12 18.79	−12 26.2	2.335	3.237	8.6	21.0
3 12	12 12.19	−11 44.6	2.264	3.222	5.6	20.8
3 22	12 4.73	−10 48.8	2.222	3.207	3.2	20.6
4 1	11 57.15	− 9 42.8	2.209	3.192	3.8	20.6
4 11	11 50.21	− 8 32.6	2.225	3.177	6.8	20.8
4 21	11 44.56	− 7 24.1	2.267	3.161	9.9	20.9

239994 2001 SH_{90} 3 21.8 143°.96 0°.5/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.47	− 5 25.8	1.713	2.483	17.2	21.7
2 21	12 28.76	− 4 58.5	1.630	2.491	13.8	21.4
3 2	12 22.44	− 4 12.2	1.567	2.500	9.7	21.2
3 12	12 14.11	− 3 10.5	1.529	2.507	5.1	20.9
3 22	12 4.70	− 1 59.3	1.518	2.514	0.6	20.6
4 1	11 55.35	− 0 46.7	1.535	2.521	4.8	20.9
4 11	11 47.20	+ 0 19.1	1.580	2.527	9.4	21.2
4 21	11 41.07	+ 1 11.9	1.648	2.532	13.5	21.5

16309 9054 P–L 3 21.8 273°.15 1°.1/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.42	− 5 3.6	1.841	2.611	16.2	18.4
2 21	12 27.19	− 5 2.4	1.738	2.598	13.2	18.1
3 2	12 21.47	− 4 45.3	1.655	2.586	9.4	17.9
3 12	12 13.71	− 4 14.3	1.596	2.573	5.2	17.6
3 22	12 4.71	− 3 33.0	1.565	2.560	1.1	17.3
4 1	11 55.54	− 2 47.3	1.561	2.547	4.6	17.5
4 11	11 47.31	− 2 3.8	1.584	2.535	9.1	17.7
4 21	11 40.92	− 1 28.6	1.632	2.522	13.2	17.9

468185 2015 AA_{144} 3 21.8 206°.48 0°.8/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.00	− 0 39.8	2.033	2.812	14.6	21.8
2 21	12 26.44	− 0 15.0	1.940	2.810	11.6	21.6
3 2	12 20.66	+ 0 22.4	1.869	2.808	8.0	21.4
3 12	12 13.17	+ 1 8.5	1.824	2.806	4.0	21.1
3 22	12 4.73	+ 1 58.2	1.807	2.803	0.9	20.9
4 1	11 56.26	+ 2 45.6	1.819	2.800	4.8	21.1
4 11	11 48.71	+ 3 24.8	1.858	2.797	8.8	21.4
4 21	11 42.82	+ 3 51.8	1.922	2.794	12.4	21.6

353564 2011 SU_{229} 3 21.8 203°.40 2°.9/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.46	−12 5.4	3.040	3.743	11.8	22.1
2 21	12 26.06	−12 23.6	2.928	3.738	9.8	21.9
3 2	12 20.03	−12 29.6	2.838	3.733	7.5	21.8
3 12	12 12.75	−12 23.6	2.775	3.728	5.0	21.6
3 22	12 4.74	−12 6.8	2.740	3.722	3.1	21.5
4 1	11 56.65	−11 41.4	2.737	3.716	3.6	21.5
4 11	11 49.14	−11 11.2	2.762	3.709	5.9	21.6
4 21	11 42.76	−10 40.0	2.816	3.702	8.4	21.8

15464 1999 AN_{5} 3 21.8 163°.59 0°.7/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 35.40	− 0 52.9	1.923	2.693	15.6	18.6
2 21	12 30.77	− 0 30.8	1.835	2.700	12.4	18.4
3 2	12 23.68	+ 0 4.2	1.770	2.706	8.5	18.2
3 12	12 14.70	+ 0 48.4	1.730	2.710	4.2	17.9
3 22	12 4.70	+ 1 36.4	1.719	2.715	0.8	17.7
4 1	11 54.74	+ 2 21.9	1.737	2.718	5.0	18.0
4 11	11 45.89	+ 2 59.0	1.783	2.720	9.2	18.2
4 21	11 38.92	+ 3 23.6	1.854	2.722	12.9	18.5

210746 2000 US_{104} 3 21.8 208°.97 2°.9/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.47	+10 0.9	3.297	4.077	9.5	20.9
2 21	12 25.06	+10 37.1	3.198	4.070	7.4	20.7
3 2	12 19.20	+11 16.1	3.125	4.062	5.2	20.5
3 12	12 12.27	+11 54.1	3.081	4.053	3.3	20.4
3 22	12 4.76	+12 27.4	3.067	4.044	3.2	20.4
4 1	11 57.23	+12 52.5	3.084	4.035	5.0	20.5
4 11	11 50.26	+13 6.9	3.130	4.025	7.3	20.6
4 21	11 44.33	+13 9.4	3.202	4.014	9.5	20.8

98202 2000 SF_{123} 3 21.8 249°.46 2°.8/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 31.47	+ 2 55.5	1.758	2.553	15.8	19.6
2 21	12 28.15	+ 3 43.5	1.658	2.539	12.6	19.4
3 2	12 22.20	+ 4 45.3	1.580	2.524	8.7	19.1
3 12	12 14.11	+ 5 55.2	1.527	2.509	4.5	18.8
3 22	12 4.71	+ 7 5.5	1.502	2.493	3.1	18.7
4 1	11 55.14	+ 8 7.6	1.504	2.476	6.9	18.9
4 11	11 46.58	+ 8 54.2	1.533	2.459	11.3	19.1
4 21	11 39.97	+ 9 21.2	1.584	2.442	15.3	19.3

253124 2002 VU_{11} 3 21.8 132°.30 1°.0/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.05	− 5 33.6	1.885	2.650	16.0	20.5
2 21	12 27.41	− 5 21.1	1.798	2.656	12.9	20.3
3 2	12 21.39	− 4 52.3	1.733	2.662	9.2	20.0
3 12	12 13.55	− 4 9.6	1.692	2.668	4.9	19.8
3 22	12 4.73	− 3 17.7	1.678	2.674	1.0	19.5
4 1	11 55.94	− 2 22.9	1.694	2.680	4.3	19.8
4 11	11 48.20	− 1 31.8	1.736	2.685	8.6	20.0
4 21	11 42.27	− 0 50.2	1.804	2.690	12.3	20.3

167104 2003 SB_{51} 3 21.8 178°.62 0°.7/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.74	− 5 26.6	1.947	2.708	15.7	20.8
2 21	12 27.93	− 5 5.5	1.854	2.710	12.7	20.6
3 2	12 21.76	− 4 27.7	1.781	2.711	9.0	20.3
3 12	12 13.76	− 3 36.0	1.735	2.712	4.8	20.1
3 22	12 4.73	− 2 35.2	1.716	2.712	0.7	19.8
4 1	11 55.67	− 1 31.8	1.726	2.711	4.4	20.0
4 11	11 47.62	− 0 33.0	1.764	2.710	8.6	20.3
4 21	11 41.34	+ 0 15.5	1.826	2.708	12.4	20.5

469438 2002 GV_{31} 3 21.8 350°.78 0°.0/20.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 7.73	+ 1 14.2	39.286	40.049	0.9	22.5
2 21	12 7.12	+ 1 18.3	39.186	40.048	0.7	22.5
3 2	12 6.44	+ 1 23.0	39.112	40.048	0.5	22.5
3 12	12 5.69	+ 1 27.9	39.066	40.047	0.2	22.4
3 22	12 4.92	+ 1 32.9	39.051	40.047	0.1	22.4
4 1	12 4.15	+ 1 37.9	39.066	40.046	0.3	22.4
4 11	12 3.40	+ 1 42.5	39.110	40.046	0.5	22.5
4 21	12 2.72	+ 1 46.7	39.183	40.046	0.7	22.5

409820 2006 KD_{10} 3 21.8 212°.12 0°.4/22.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.46	− 4 35.7	1.898	2.665	15.9	22.6
2 21	12 27.86	− 4 13.7	1.799	2.659	12.8	22.4
3 2	12 21.82	− 3 35.0	1.721	2.654	9.0	22.1
3 12	12 13.85	− 2 42.4	1.669	2.647	4.7	21.8
3 22	12 4.74	− 1 40.9	1.644	2.640	0.4	21.5
4 1	11 55.54	− 0 37.3	1.648	2.633	4.6	21.8
4 11	11 47.31	+ 0 21.1	1.679	2.625	9.1	22.0
4 21	11 40.90	+ 1 8.2	1.735	2.617	13.0	22.2

522550 2016 EC_{240} 3 21.8 11°.40 7°.6/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 24.05	+11 0.6	1.498	2.332	16.2	20.8
2 21	12 22.53	+13 17.3	1.432	2.333	12.8	20.6
3 2	12 18.35	+15 44.1	1.389	2.335	9.5	20.4
3 12	12 12.12	+18 7.7	1.372	2.337	7.6	20.3
3 22	12 4.78	+20 14.2	1.382	2.340	8.7	20.3
4 1	11 57.50	+21 51.9	1.416	2.343	11.8	20.5
4 11	11 51.46	+22 54.6	1.473	2.347	15.2	20.7
4 21	11 47.46	+23 22.0	1.549	2.351	18.3	21.0

196619 2003 RH_{3} 3 21.8 233°.01 0°.4/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.91	− 3 26.9	2.111	2.878	14.5	20.5
2 21	12 26.32	− 3 17.7	2.013	2.874	11.6	20.3
3 2	12 20.57	− 2 55.4	1.938	2.870	8.2	20.1
3 12	12 13.15	− 2 22.5	1.888	2.866	4.3	19.8
3 22	12 4.77	− 1 42.9	1.866	2.862	0.4	19.5
4 1	11 56.34	− 1 1.8	1.873	2.858	4.2	19.8
4 11	11 48.78	− 0 24.8	1.908	2.854	8.1	20.0
4 21	11 42.81	+ 0 3.8	1.968	2.850	11.7	20.3

68910 2002 JB_{120} 3 21.8 194°.54 5°.3/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.10	+12 9.2	2.286	3.090	12.4	20.2
2 21	12 24.71	+13 36.4	2.205	3.089	9.8	20.0
3 2	12 19.33	+15 8.5	2.149	3.087	7.1	19.8
3 12	12 12.47	+16 37.9	2.121	3.085	5.4	19.7
3 22	12 4.78	+17 57.1	2.121	3.082	5.9	19.7
4 1	11 57.11	+18 59.5	2.150	3.079	8.2	19.9
4 11	11 50.27	+19 40.9	2.204	3.076	10.9	20.0
4 21	11 44.91	+20 0.2	2.281	3.072	13.4	20.2

122468 2000 QO_{154} 3 21.8 180°.72 7°.2/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.53	−22 29.4	2.179	2.842	16.9	20.2
2 21	12 27.82	−23 16.0	2.078	2.843	14.8	20.0
3 2	12 21.76	−23 41.4	1.995	2.843	12.4	19.8
3 12	12 13.82	−23 42.7	1.934	2.843	9.8	19.6
3 22	12 4.76	−23 19.2	1.898	2.843	7.8	19.5
4 1	11 55.58	−22 33.1	1.888	2.843	7.3	19.5
4 11	11 47.29	−21 30.0	1.905	2.842	8.8	19.6
4 21	11 40.73	−20 17.7	1.948	2.841	11.2	19.7

337819 2001 VV_{13} 3 21.8 89°.77 5°.3/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 33.97	+16 10.9	2.421	3.214	12.1	20.7
2 21	12 28.94	+16 50.8	2.358	3.231	9.6	20.5
3 2	12 21.99	+17 29.4	2.319	3.249	7.2	20.4
3 12	12 13.69	+18 1.0	2.307	3.266	5.5	20.3
3 22	12 4.78	+18 20.5	2.324	3.283	5.7	20.4
4 1	11 56.10	+18 24.3	2.370	3.299	7.5	20.5
4 11	11 48.41	+18 11.1	2.442	3.316	9.9	20.7
4 21	11 42.29	+17 41.6	2.538	3.332	12.1	20.9

414250 2008 GH_{36} 3 21.8 96°.04 8°.7/13.9 18

2 11	12 36.18	+21 7.4	1.796	2.602	15.1	20.5
2 21	12 31.53	+22 17.8	1.738	2.612	12.4	20.3
3 2	12 24.21	+23 23.6	1.701	2.621	10.0	20.2
3 12	12 14.94	+24 15.2	1.690	2.631	8.7	20.1
3 22	12 4.76	+24 44.6	1.705	2.640	9.3	20.2
4 1	11 54.86	+24 46.8	1.745	2.649	11.4	20.3
4 11	11 46.36	+24 21.3	1.808	2.658	13.9	20.5
4 21	11 40.02	+23 30.9	1.892	2.667	16.4	20.7

225582 2000 VC_{58} 3 21.8 97°.03 3°.9/25.8 18

2 11	12 29.83	−13 51.5	2.032	2.755	16.3	20.8
2 21	12 26.32	−14 1.1	1.945	2.767	13.6	20.6
3 2	12 20.57	−13 50.8	1.879	2.779	10.4	20.5
3 12	12 13.14	−13 20.9	1.836	2.791	7.0	20.3
3 22	12 4.79	−12 33.9	1.820	2.802	4.2	20.1
4 1	11 56.49	−11 34.6	1.831	2.813	4.7	20.2
4 11	11 49.18	−10 30.1	1.871	2.824	7.7	20.4
4 21	11 43.58	− 9 27.4	1.936	2.835	11.0	20.6

519374 2011 PF_{16} 3 21.8 359°.91 2°.7/24.4 17

2 11	12 28.81	− 9 8.1	2.128	2.873	15.0	21.4
2 21	12 25.48	− 9 26.9	2.032	2.872	12.4	21.2
3 2	12 20.00	− 9 30.6	1.956	2.872	9.2	21.0
3 12	12 12.88	− 9 19.9	1.906	2.872	5.7	20.7
3 22	12 4.81	− 8 56.8	1.882	2.872	2.9	20.6
4 1	11 56.69	− 8 25.2	1.887	2.872	4.1	20.6
4 11	11 49.43	− 7 50.4	1.920	2.873	7.5	20.9
4 21	11 43.74	− 7 17.8	1.977	2.874	10.9	21.1

17055 1999 GP_3 3 21.8 314°.21 0°.5/21.3 18

2 11	12 23.94	− 5 37.0	1.695	2.481	16.7	18.4
2 21	12 22.20	− 4 29.8	1.600	2.473	13.4	18.2
3 2	12 18.05	− 2 58.7	1.526	2.465	9.3	17.9
3 12	12 11.99	− 1 8.7	1.476	2.458	4.7	17.6
3 22	12 4.82	+ 0 51.9	1.454	2.451	0.6	17.3
4 1	11 57.58	+ 2 52.1	1.460	2.444	5.4	17.6
4 11	11 51.33	+ 4 40.9	1.493	2.437	10.1	17.9
4 21	11 46.90	+ 6 10.0	1.550	2.431	14.3	18.1

329323 2000 UW_{67} 3 21.8 189°.75 4°.3/26.9 17

2 11	12 28.69	−17 16.2	2.389	3.083	14.9	21.4
2 21	12 25.21	−17 14.4	2.283	3.082	12.6	21.2
3 2	12 19.73	−16 52.6	2.198	3.081	9.9	21.0
3 12	12 12.72	−16 10.5	2.136	3.079	7.0	20.8
3 22	12 4.82	−15 9.9	2.102	3.077	4.7	20.7
4 1	11 56.87	−13 55.2	2.096	3.074	4.7	20.7
4 11	11 49.70	−12 32.9	2.120	3.071	7.1	20.8
4 21	11 43.99	−11 10.3	2.170	3.067	10.1	21.0

219602 2001 TU_{81} 3 21.8 222°.34 1°.7/23.6 17

2 11	12 31.09	− 7 56.7	2.254	2.996	14.4	21.9
2 21	12 27.22	− 7 49.7	2.145	2.986	11.8	21.6
3 2	12 21.21	− 7 27.1	2.057	2.976	8.6	21.4
3 12	12 13.52	− 6 50.3	1.995	2.965	5.0	21.2
3 22	12 4.81	− 6 2.4	1.961	2.954	1.8	20.9
4 1	11 55.97	− 5 8.2	1.956	2.942	3.9	21.1
4 11	11 47.91	− 4 13.8	1.981	2.930	7.7	21.3
4 21	11 41.37	− 3 24.7	2.031	2.917	11.2	21.5

217971 2001 VY_{25} 3 21.8 110°.47 1°.5/23.4 18

2 11	12 31.50	− 8 7.7	2.191	2.933	14.7	21.1
2 21	12 27.28	− 7 48.7	2.112	2.954	11.9	20.9
3 2	12 21.03	− 7 13.5	2.055	2.975	8.5	20.7
3 12	12 13.29	− 6 24.7	2.024	2.995	4.8	20.5
3 22	12 4.82	− 5 26.4	2.021	3.015	1.6	20.3
4 1	11 56.48	− 4 24.2	2.048	3.034	3.7	20.5
4 11	11 49.12	− 3 24.4	2.104	3.052	7.3	20.8
4 21	11 43.35	− 2 32.2	2.186	3.070	10.6	21.0

143509 2003 EG_1 3 21.8 19°.83 2°.3/18.9 18

2 11	12 25.05	+ 2 36.9	2.192	2.986	13.1	19.9
2 21	12 22.35	+ 3 36.8	2.106	2.987	10.3	19.8
3 2	12 17.73	+ 4 47.6	2.044	2.988	7.0	19.5
3 12	12 11.68	+ 6 4.0	2.009	2.990	3.6	19.3
3 22	12 4.85	+ 7 19.5	2.002	2.992	2.6	19.3
4 1	11 58.04	+ 8 27.4	2.024	2.994	5.6	19.5
4 11	11 52.05	+ 9 22.0	2.073	2.996	9.0	19.7
4 21	11 47.49	+10 0.1	2.146	2.998	12.1	19.9

453405 2009 FV_{21} 3 21.8 4°.12 3°.9/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 35.80	+ 8 30.5	1.129	1.959	20.7	20.3
2 21	12 32.76	+ 8 15.5	1.059	1.957	16.5	20.1
3 2	12 25.97	+ 8 5.0	1.007	1.957	11.5	19.8
3 12	12 16.18	+ 7 52.5	0.977	1.959	6.3	19.5
3 22	12 4.76	+ 7 31.6	0.970	1.962	4.1	19.4
4 1	11 53.50	+ 6 57.1	0.987	1.966	8.4	19.6
4 11	11 44.13	+ 6 6.7	1.028	1.971	13.6	19.9
4 21	11 37.79	+ 5 1.4	1.088	1.978	18.3	20.2

398701 2012 XX_{29} 3 21.8 216°.20 1°.5/22.9 18

2 11	12 31.75	− 6 6.1	1.372	2.158	20.0	21.4
2 21	12 29.01	− 6 3.9	1.288	2.158	16.2	21.1
3 2	12 23.13	− 5 40.0	1.223	2.158	11.7	20.8
3 12	12 14.70	− 4 56.6	1.180	2.157	6.4	20.5
3 22	12 4.79	− 3 59.1	1.162	2.157	1.6	20.2
4 1	11 54.82	− 2 55.9	1.169	2.157	5.5	20.5
4 11	11 46.25	− 1 56.8	1.202	2.156	10.8	20.7
4 21	11 40.15	− 1 9.8	1.256	2.156	15.6	21.0

153161 2000 SP_{317} 3 21.8 269°.97 7°.6/28.3 17

2 11	12 31.97	−20 33.3	2.016	2.698	17.6	20.3
2 21	12 28.52	−21 34.4	1.906	2.686	15.4	20.1
3 2	12 22.51	−22 15.7	1.814	2.674	12.9	19.9
3 12	12 14.35	−22 33.7	1.743	2.661	10.1	19.7
3 22	12 4.80	−22 26.4	1.697	2.648	8.0	19.5
4 1	11 54.92	−21 55.1	1.677	2.635	7.7	19.5
4 11	11 45.91	−21 4.9	1.683	2.622	9.6	19.6
4 21	11 38.73	−20 3.7	1.714	2.609	12.4	19.7

98297 2000 SO_{233} 3 21.8 41°.68 5°.9/17.1 18

2 11	12 31.15	+ 9 23.3	1.379	2.204	17.9	18.8
2 21	12 28.32	+10 30.4	1.313	2.209	14.1	18.6
3 2	12 22.44	+11 46.0	1.267	2.214	10.0	18.4
3 12	12 14.23	+13 0.1	1.245	2.220	6.5	18.2
3 22	12 4.81	+14 2.1	1.248	2.226	6.5	18.2
4 1	11 55.56	+14 42.8	1.276	2.232	9.8	18.4
4 11	11 47.81	+14 57.2	1.327	2.239	13.9	18.7
4 21	11 42.45	+14 45.2	1.399	2.245	17.6	18.9

61299 2000 OQ_{46} 3 21.8 238°.27 1°.1/22.8 18

2 11	12 32.46	− 5 58.0	1.901	2.660	16.1	19.5
2 21	12 28.81	− 5 45.1	1.792	2.646	13.1	19.2
3 2	12 22.62	− 5 14.8	1.703	2.631	9.4	19.0
3 12	12 14.36	− 4 29.1	1.640	2.616	5.2	18.7
3 22	12 4.82	− 3 31.9	1.604	2.599	1.1	18.4
4 1	11 55.04	− 2 29.6	1.597	2.582	4.6	18.6
4 11	11 46.17	− 1 29.8	1.617	2.565	9.2	18.8
4 21	11 39.13	− 0 39.1	1.662	2.547	13.3	19.0

417185 2005 WB_{151} 3 21.8 81°.27 2°.7/24.5 18

2 11	12 32.43	−10 31.1	1.959	2.697	16.4	21.2
2 21	12 28.24	−10 30.1	1.888	2.724	13.4	21.0
3 2	12 21.79	−10 10.6	1.838	2.751	9.8	20.9
3 12	12 13.70	− 9 34.1	1.812	2.778	6.0	20.7
3 22	12 4.84	− 8 44.5	1.814	2.804	2.9	20.5
4 1	11 56.18	− 7 47.4	1.845	2.830	4.2	20.7
4 11	11 48.66	− 6 49.8	1.903	2.856	7.7	20.9
4 21	11 42.93	− 5 57.6	1.988	2.881	11.0	21.2

173605 2001 EM_5 3 21.8 11°.25 2°.8/19.8 18

2 11	12 27.28	+ 2 25.2	1.241	2.067	19.4	19.6
2 21	12 25.58	+ 2 59.4	1.171	2.069	15.3	19.4
3 2	12 20.75	+ 3 49.4	1.120	2.072	10.5	19.1
3 12	12 13.47	+ 4 48.2	1.092	2.076	5.3	18.8
3 22	12 4.85	+ 5 46.4	1.087	2.081	3.1	18.7
4 1	11 56.34	+ 6 34.2	1.107	2.086	7.6	19.0
4 11	11 49.34	+ 7 3.9	1.151	2.093	12.6	19.3
4 21	11 44.80	+ 7 11.9	1.214	2.101	17.0	19.5

520969 2014 YA_{63} 3 21.8 135°.42 5°.1/15.3 17

2 11	12 28.30	+12 20.1	2.345	3.147	12.1	21.3
2 21	12 24.74	+13 40.2	2.273	3.155	9.6	21.1
3 2	12 19.29	+15 3.7	2.226	3.163	7.0	21.0
3 12	12 12.44	+16 23.7	2.207	3.171	5.2	20.9
3 22	12 4.88	+17 33.3	2.216	3.178	5.6	20.9
4 1	11 57.40	+18 26.6	2.253	3.185	7.8	21.0
4 11	11 50.78	+19 0.3	2.317	3.191	10.3	21.2
4 21	11 45.60	+19 13.5	2.404	3.198	12.8	21.4

166799 2002 VB_{57} 3 21.8 188°.97 0°.5/22.5 18

2 11	12 25.98	− 6 10.9	2.338	3.095	13.5	20.4
2 21	12 23.00	− 5 33.3	2.240	3.095	10.8	20.2
3 2	12 18.16	− 4 40.1	2.166	3.095	7.6	20.0
3 12	12 11.92	− 3 34.2	2.117	3.094	4.1	19.8
3 22	12 4.89	− 2 20.3	2.097	3.093	0.6	19.5
4 1	11 57.85	− 1 4.4	2.107	3.092	3.7	19.7
4 11	11 51.57	+ 0 6.9	2.145	3.091	7.4	19.9
4 21	11 46.66	+ 1 8.5	2.210	3.090	10.6	20.1

503259 2015 KG_{84} 3 21.8 58°.69 3°.3/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 25.52	+ 6 37.6	2.379	3.177	12.1	21.3
2 21	12 22.56	+ 7 42.5	2.295	3.178	9.4	21.1
3 2	12 17.81	+ 8 54.9	2.235	3.179	6.5	21.0
3 12	12 11.71	+10 9.1	2.203	3.180	3.9	20.8
3 22	12 4.90	+11 18.9	2.199	3.181	3.7	20.8
4 1	11 58.11	+12 18.1	2.225	3.182	6.2	20.9
4 11	11 52.08	+13 2.4	2.277	3.183	9.1	21.1
4 21	11 47.39	+13 29.5	2.354	3.184	11.9	21.3

264560 2001 SP_{315} 3 21.8 89°.07 2°.9/24.4 18

2 11	12 36.38	− 9 31.4	1.996	2.729	16.3	20.6
2 21	12 31.32	− 9 52.8	1.923	2.755	13.3	20.4
3 2	12 23.92	− 9 57.9	1.870	2.781	9.8	20.2
3 12	12 14.80	− 9 47.5	1.843	2.807	6.1	20.0
3 22	12 4.85	− 9 23.9	1.843	2.832	3.1	19.9
4 1	11 55.10	− 8 51.7	1.873	2.857	4.3	20.0
4 11	11 46.51	− 8 16.5	1.931	2.881	7.7	20.3
4 21	11 39.80	− 7 43.9	2.015	2.905	11.1	20.5

351603 2005 VH_{102} 3 21.8 152°.88 1°.7/23.2 18

2 11	12 36.23	− 6 46.8	1.810	2.562	17.1	21.6
2 21	12 31.66	− 6 46.2	1.722	2.571	13.9	21.4
3 2	12 24.45	− 6 28.4	1.656	2.579	10.0	21.2
3 12	12 15.21	− 5 55.3	1.614	2.587	5.6	21.0
3 22	12 4.84	− 5 10.6	1.599	2.594	1.8	20.7
4 1	11 54.52	− 4 20.6	1.614	2.600	4.5	20.9
4 11	11 45.37	− 3 32.1	1.656	2.605	8.9	21.2
4 21	11 38.26	− 2 51.3	1.723	2.610	12.8	21.4

150798 2001 RO_{61} 3 21.8 85°.03 1°.2/22.7 18

2 11	12 36.32	− 3 47.3	1.798	2.562	16.7	20.3
2 21	12 31.61	− 4 5.6	1.720	2.577	13.5	20.1
3 2	12 24.31	− 4 10.6	1.664	2.593	9.5	19.9
3 12	12 15.08	− 4 4.2	1.632	2.608	5.2	19.7
3 22	12 4.86	− 3 49.5	1.627	2.623	1.2	19.4
4 1	11 54.77	− 3 31.3	1.652	2.638	4.5	19.7
4 11	11 45.92	− 3 14.6	1.704	2.653	8.7	20.0
4 21	11 39.10	− 3 3.9	1.781	2.667	12.5	20.2

14222 1999 WS_{1} 3 21.8 292°.17 5°.0/27.9 18

2 11	12 29.44	−20 32.7	2.835	3.494	13.4	19.8
2 21	12 25.85	−20 37.1	2.678	3.447	11.7	19.5
3 2	12 20.32	−20 22.7	2.541	3.400	9.6	19.3
3 12	12 13.16	−19 47.9	2.428	3.352	7.3	19.1
3 22	12 4.89	−18 52.3	2.342	3.303	5.4	18.9
4 1	11 56.22	−17 38.0	2.285	3.253	5.2	18.8
4 11	11 47.97	−16 10.0	2.257	3.202	7.2	18.8
4 21	11 40.88	−14 34.8	2.258	3.150	10.0	18.9

214770 2006 UP_{59} 3 21.8 50°.98 0°.4/22.3 17

2 11	12 30.25	− 2 40.7	2.294	3.057	13.6	20.4
2 21	12 26.35	− 2 43.5	2.202	3.061	10.8	20.2
3 2	12 20.47	− 2 35.6	2.133	3.065	7.6	20.0
3 12	12 13.09	− 2 19.2	2.091	3.069	4.0	19.8
3 22	12 4.90	− 1 57.5	2.077	3.073	0.4	19.5
4 1	11 56.73	− 1 34.6	2.092	3.077	3.8	19.8
4 11	11 49.39	− 1 14.6	2.135	3.081	7.4	20.0
4 21	11 43.54	− 1 1.0	2.204	3.085	10.6	20.2

251647 2834 P–L 3 21.8 75°.96 0°.3/22.1 18

2 11	12 35.19	− 3 33.1	1.751	2.520	16.9	20.4
2 21	12 30.55	− 3 21.1	1.689	2.551	13.4	20.2
3 2	12 23.44	− 2 54.1	1.648	2.581	9.3	20.1
3 12	12 14.56	− 2 15.8	1.632	2.611	4.8	19.9
3 22	12 4.89	− 1 31.4	1.644	2.640	0.4	19.6
4 1	11 55.53	− 0 47.3	1.684	2.669	4.5	20.0
4 11	11 47.50	− 0 9.5	1.752	2.698	8.7	20.3
4 21	11 41.49	+ 0 17.7	1.845	2.726	12.4	20.5

52847 1998 RU_{67} 3 21.8 211°.47 1°.2/22.9 18

2 11	12 33.07	− 6 38.4	1.826	2.584	16.7	20.0
2 21	12 29.33	− 6 22.9	1.725	2.578	13.6	19.7
3 2	12 22.99	− 5 48.8	1.644	2.571	9.8	19.5
3 12	12 14.57	− 4 58.0	1.588	2.563	5.4	19.2
3 22	12 4.88	− 3 55.2	1.560	2.555	1.3	18.9
4 1	11 55.05	− 2 47.1	1.560	2.546	4.6	19.1
4 11	11 46.24	− 1 41.9	1.587	2.536	9.2	19.3
4 21	11 39.36	− 0 46.6	1.639	2.525	13.4	19.6

379223 2009 SM_{201} 3 21.8 218°.49 0°.5/22.4 17

2 11	12 28.49	− 6 22.0	2.301	3.053	13.8	22.4
2 21	12 25.10	− 5 39.7	2.193	3.045	11.2	22.2
3 2	12 19.71	− 4 40.5	2.108	3.036	7.9	22.0
3 12	12 12.77	− 3 27.3	2.049	3.026	4.2	21.7
3 22	12 4.92	− 2 4.8	2.019	3.015	0.5	21.4
4 1	11 56.97	− 0 39.7	2.020	3.004	3.9	21.7
4 11	11 49.78	+ 0 40.9	2.049	2.993	7.8	21.9
4 21	11 44.01	+ 1 51.1	2.105	2.981	11.3	22.1

412981 1995 UE_{10} 3 21.8 190°.94 0°.3/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 31.94	− 4 25.0	2.129	2.887	14.6	22.7
2 21	12 27.93	− 4 1.1	2.031	2.886	11.8	22.5
3 2	12 21.72	− 3 22.4	1.954	2.884	8.3	22.2
3 12	12 13.80	− 2 31.6	1.904	2.882	4.3	22.0
3 22	12 4.90	− 1 33.3	1.882	2.879	0.3	21.6
4 1	11 55.96	− 0 33.6	1.890	2.875	4.2	22.0
4 11	11 47.90	+ 0 21.3	1.927	2.870	8.2	22.2
4 21	11 41.48	+ 1 6.1	1.989	2.865	11.8	22.4

170861 2004 GU_{1} 3 21.8 35°.17 3°.7/26.1 18

2 11	12 24.07	−15 18.7	1.893	2.627	17.0	19.7
2 21	12 21.95	−15 0.4	1.811	2.639	14.2	19.5
3 2	12 17.65	−14 17.8	1.748	2.652	10.8	19.3
3 12	12 11.72	−13 12.2	1.709	2.666	7.2	19.1
3 22	12 4.94	−11 47.9	1.695	2.680	4.1	19.0
4 1	11 58.24	−10 11.9	1.710	2.694	4.5	19.0
4 11	11 52.53	− 8 33.4	1.751	2.709	7.7	19.2
4 21	11 48.49	− 7 0.8	1.818	2.725	11.2	19.5

291542 2006 EK_{47} 3 21.8 157°.17 3°.1/24.3 18

2 11	12 42.09	− 9 21.9	2.192	2.905	15.5	21.9
2 21	12 35.84	− 9 54.6	2.095	2.916	12.8	21.7
3 2	12 27.14	−10 13.4	2.021	2.925	9.6	21.5
3 12	12 16.54	−10 17.9	1.973	2.934	6.0	21.3
3 22	12 4.86	−10 9.4	1.954	2.942	3.2	21.1
4 1	11 53.17	− 9 50.9	1.967	2.948	4.5	21.2
4 11	11 42.53	− 9 27.4	2.009	2.954	7.9	21.4
4 21	11 33.74	− 9 3.8	2.078	2.958	11.2	21.6

212732 2007 RL_{193} 3 21.8 143°.96 2°.6/19.3 18

2 11	12 32.53	+ 2 55.5	1.879	2.668	15.2	21.3
2 21	12 28.54	+ 3 50.2	1.800	2.678	11.9	21.1
3 2	12 22.17	+ 4 56.7	1.744	2.687	8.1	20.9
3 12	12 14.00	+ 6 8.7	1.715	2.696	4.2	20.7
3 22	12 4.91	+ 7 19.0	1.713	2.704	2.9	20.6
4 1	11 55.91	+ 8 19.8	1.741	2.711	6.3	20.9
4 11	11 48.01	+ 9 5.3	1.795	2.718	10.1	21.1
4 21	11 41.96	+ 9 32.5	1.873	2.724	13.6	21.3

415939 2001 WH_{11} 3 21.8 134°.73 2°.9/18.4 15

2 11	12 32.40	+ 6 8.8	2.425	3.207	12.4	22.8
2 21	12 27.78	+ 7 0.9	2.350	3.224	9.7	22.6
3 2	12 21.29	+ 7 59.5	2.300	3.240	6.6	22.5
3 12	12 13.44	+ 8 59.3	2.277	3.255	3.8	22.3
3 22	12 4.93	+ 9 54.7	2.285	3.269	3.2	22.3
4 1	11 56.54	+10 40.5	2.322	3.283	5.7	22.5
4 11	11 49.05	+11 12.8	2.387	3.296	8.6	22.7
4 21	11 43.01	+11 29.9	2.478	3.308	11.4	22.9

358700 2008 AD_{64} 3 21.8 139°.28 6°.6/12.8 17

2 11	12 30.02	+21 7.3	2.641	3.438	11.1	21.1
2 21	12 25.91	+22 18.2	2.577	3.445	9.1	21.0
3 2	12 20.00	+23 26.0	2.538	3.452	7.4	20.8
3 12	12 12.79	+24 24.0	2.525	3.459	6.6	20.8
3 22	12 4.94	+25 6.7	2.540	3.465	7.2	20.8
4 1	11 57.20	+25 30.2	2.583	3.471	8.8	21.0
4 11	11 50.30	+25 32.9	2.650	3.477	10.7	21.1
4 21	11 44.79	+25 15.6	2.739	3.483	12.6	21.2

139995 2001 ST_{36} 3 21.8 156°.68 1°.6/20.1 18

2 11	12 30.74	+ 3 26.7	2.463	3.240	12.3	20.2
2 21	12 26.56	+ 3 45.4	2.373	3.243	9.7	20.1
3 2	12 20.53	+ 4 11.2	2.306	3.246	6.6	19.9
3 12	12 13.10	+ 4 40.6	2.267	3.248	3.4	19.7
3 22	12 4.94	+ 5 9.3	2.257	3.250	1.8	19.5
4 1	11 56.80	+ 5 33.2	2.277	3.252	4.6	19.7
4 11	11 49.46	+ 5 48.5	2.326	3.254	7.9	20.0
4 21	11 43.51	+ 5 53.2	2.399	3.256	10.8	20.1

114444 2003 AN_{18} 3 21.8 18°.88 4°.1/18.5 18

2 11	12 29.30	+ 6 13.8	1.458	2.277	17.4	18.6
2 21	12 26.71	+ 6 59.1	1.387	2.281	13.6	18.4
3 2	12 21.28	+ 7 54.8	1.336	2.285	9.4	18.1
3 12	12 13.68	+ 8 53.2	1.309	2.290	5.3	17.9
3 22	12 4.92	+ 9 45.4	1.308	2.295	4.5	17.9
4 1	11 56.29	+10 23.2	1.333	2.301	8.0	18.1
4 11	11 49.01	+10 41.1	1.381	2.308	12.3	18.4
4 21	11 43.94	+10 37.3	1.451	2.315	16.1	18.6

291968 2006 QX_{63} 3 21.8 191°.43 1°.5/23.5 18

2 11	12 30.24	− 6 36.7	2.658	3.396	12.5	21.2
2 21	12 26.12	− 6 41.7	2.555	3.395	10.2	21.0
3 2	12 20.22	− 6 35.1	2.475	3.394	7.3	20.9
3 12	12 12.96	− 6 18.3	2.421	3.392	4.2	20.7
3 22	12 4.94	− 5 53.7	2.397	3.390	1.6	20.5
4 1	11 56.88	− 5 24.5	2.403	3.388	3.3	20.6
4 11	11 49.50	− 4 55.0	2.438	3.386	6.5	20.8
4 21	11 43.40	− 4 28.9	2.500	3.383	9.4	21.0

383335 2006 KB_{66} 3 21.8 252°.20 1°.0/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 27.79	− 0 37.2	2.098	2.880	14.1	21.5
2 21	12 24.66	− 0 3.1	2.006	2.877	11.1	21.3
3 2	12 19.46	+ 0 43.8	1.935	2.875	7.7	21.1
3 12	12 12.65	+ 1 39.4	1.891	2.873	3.8	20.8
3 22	12 4.95	+ 2 38.3	1.875	2.870	1.1	20.6
4 1	11 57.23	+ 3 34.2	1.888	2.868	4.8	20.9
4 11	11 50.37	+ 4 21.2	1.928	2.865	8.6	21.1
4 21	11 45.06	+ 4 55.2	1.992	2.863	12.1	21.3

224514 2005 WK_{67} 3 21.8 146°.62 0°.5/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.52	− 4 46.4	2.029	2.795	15.0	21.3
2 21	12 26.08	− 4 23.7	1.939	2.799	12.0	21.1
3 2	12 20.45	− 3 45.6	1.871	2.803	8.5	20.9
3 12	12 13.16	− 2 54.9	1.829	2.807	4.4	20.6
3 22	12 4.95	− 1 56.7	1.814	2.810	0.5	20.3
4 1	11 56.75	− 0 56.9	1.828	2.813	4.2	20.6
4 11	11 49.49	− 0 2.2	1.870	2.816	8.2	20.9
4 21	11 43.88	+ 0 42.3	1.937	2.819	11.8	21.1

265759 2005 VH_{103} 3 21.8 43°.59 11°.1/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 37.06	+25 3.3	1.481	2.296	17.3	19.6
2 21	12 32.64	+26 19.9	1.442	2.316	14.6	19.4
3 2	12 25.12	+27 25.9	1.424	2.336	12.2	19.3
3 12	12 15.45	+28 9.8	1.429	2.358	11.1	19.3
3 22	12 4.91	+28 23.3	1.458	2.379	11.7	19.4
4 1	11 54.96	+28 2.8	1.510	2.401	13.6	19.6
4 11	11 46.82	+27 10.2	1.583	2.424	16.0	19.8
4 21	11 41.22	+25 51.3	1.675	2.446	18.3	20.0

40018 1998 HH_{134} 3 21.8 83°.91 3°.4/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.27	+ 3 36.7	1.544	2.353	17.1	18.5
2 21	12 27.28	+ 4 39.2	1.473	2.362	13.4	18.3
3 2	12 21.56	+ 5 55.4	1.424	2.371	9.1	18.1
3 12	12 13.79	+ 7 17.2	1.399	2.380	4.9	17.8
3 22	12 4.95	+ 8 35.4	1.400	2.389	3.8	17.8
4 1	11 56.24	+ 9 40.6	1.429	2.398	7.5	18.0
4 11	11 48.84	+10 26.0	1.482	2.407	11.7	18.3
4 21	11 43.56	+10 48.8	1.558	2.416	15.5	18.5

140387 2001 TW_{51} 3 21.8 183°.61 2°.3/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.52	+ 5 39.3	2.952	3.730	10.5	21.6
2 21	12 24.52	+ 6 20.0	2.859	3.731	8.2	21.4
3 2	12 18.97	+ 7 6.4	2.791	3.730	5.6	21.2
3 12	12 12.28	+ 7 54.7	2.751	3.730	3.1	21.1
3 22	12 4.98	+ 8 40.7	2.742	3.728	2.5	21.0
4 1	11 57.68	+ 9 20.0	2.763	3.727	4.7	21.2
4 11	11 51.02	+ 9 49.5	2.812	3.725	7.3	21.3
4 21	11 45.47	+10 7.0	2.888	3.722	9.8	21.5

10138 Ohtanihiroshi 3 21.8 89°.45 1°.3/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.25	− 0 38.6	1.798	2.585	15.9	18.1
2 21	12 26.79	+ 0 5.8	1.726	2.601	12.5	17.9
3 2	12 20.97	+ 1 4.6	1.675	2.616	8.5	17.7
3 12	12 13.40	+ 2 12.4	1.650	2.632	4.2	17.5
3 22	12 4.96	+ 3 22.2	1.652	2.647	1.5	17.3
4 1	11 56.67	+ 4 26.4	1.683	2.662	5.4	17.6
4 11	11 49.52	+ 5 18.4	1.740	2.677	9.5	17.9
4 21	11 44.21	+ 5 54.3	1.822	2.691	13.1	18.1

96689 1999 JW_{71} 3 21.8 339°.64 5°.5/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.53	+ 8 5.4	1.280	2.111	18.6	18.6
2 21	12 27.47	+ 8 58.4	1.204	2.105	14.8	18.3
3 2	12 22.18	+10 2.3	1.148	2.098	10.4	18.1
3 12	12 14.30	+11 7.8	1.114	2.093	6.4	17.8
3 22	12 4.94	+12 4.0	1.105	2.088	6.0	17.8
4 1	11 55.57	+12 41.0	1.119	2.084	9.8	18.0
4 11	11 47.69	+12 52.4	1.156	2.081	14.4	18.2
4 21	11 42.34	+12 37.0	1.213	2.078	18.6	18.5

400541 2008 UU_{214} 3 21.8 223°.50 3°.0/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 34.19	−10 18.0	1.869	2.608	17.0	21.9
2 21	12 30.29	−10 23.6	1.760	2.597	14.2	21.7
3 2	12 23.75	−10 10.0	1.672	2.586	10.6	21.5
3 12	12 15.02	− 9 37.1	1.608	2.573	6.6	21.2
3 22	12 4.94	− 8 47.5	1.570	2.560	3.2	20.9
4 1	11 54.61	− 7 46.6	1.561	2.547	4.8	21.0
4 11	11 45.24	− 6 42.0	1.580	2.532	9.0	21.2
4 21	11 37.79	− 5 41.5	1.624	2.516	13.1	21.4

196649 2003 SG_{26} 3 21.8 101°.06 0°.5/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 33.32	− 2 52.5	2.194	2.953	14.2	20.5
2 21	12 28.77	− 2 54.5	2.111	2.967	11.4	20.3
3 2	12 22.13	− 2 45.2	2.051	2.981	7.9	20.1
3 12	12 13.94	− 2 26.9	2.018	2.995	4.2	19.9
3 22	12 4.96	− 2 3.2	2.013	3.009	0.5	19.6
4 1	11 56.08	− 1 38.3	2.038	3.023	3.9	19.9
4 11	11 48.17	− 1 16.6	2.091	3.036	7.6	20.2
4 21	11 41.87	− 1 1.7	2.170	3.049	10.9	20.4

319779 2006 UZ_{282} 3 21.8 273°.88 1°.9/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 32.62	+ 2 26.4	1.730	2.523	16.2	21.3
2 21	12 29.15	+ 2 45.2	1.631	2.509	12.9	21.0
3 2	12 22.99	+ 3 15.6	1.553	2.496	8.9	20.7
3 12	12 14.63	+ 3 53.1	1.500	2.482	4.5	20.4
3 22	12 4.95	+ 4 31.7	1.474	2.468	2.1	20.2
4 1	11 55.09	+ 5 4.7	1.475	2.454	6.1	20.5
4 11	11 46.29	+ 5 26.1	1.503	2.439	10.7	20.7
4 21	11 39.48	+ 5 32.3	1.554	2.425	14.8	20.9

201605 2003 SZ_{195} 3 21.8 255°.91 1°.6/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.55	− 7 21.8	2.152	2.905	14.7	20.6
2 21	12 25.32	− 7 15.3	2.049	2.898	11.9	20.4
3 2	12 19.97	− 6 53.1	1.967	2.890	8.7	20.2
3 12	12 12.96	− 6 16.8	1.910	2.882	5.0	19.9
3 22	12 4.98	− 5 29.7	1.881	2.875	1.7	19.7
4 1	11 56.89	− 4 37.1	1.880	2.867	3.9	19.8
4 11	11 49.62	− 3 44.9	1.908	2.859	7.7	20.0
4 21	11 43.89	− 2 58.8	1.960	2.851	11.3	20.2

82141 2001 FG_{130} 3 21.8 15°.66 1°.4/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.61	− 6 10.1	1.178	1.982	21.6	19.5
2 21	12 26.95	− 6 5.2	1.103	1.983	17.5	19.2
3 2	12 21.94	− 5 35.5	1.046	1.985	12.6	18.9
3 12	12 14.23	− 4 43.7	1.009	1.988	6.9	18.6
3 22	12 4.95	− 3 36.3	0.996	1.991	1.5	18.3
4 1	11 55.69	− 2 23.6	1.007	1.995	5.9	18.6
4 11	11 48.01	− 1 17.3	1.041	2.000	11.6	18.9
4 21	11 42.99	− 0 26.3	1.096	2.005	16.7	19.2

435335 2007 VG_{50} 3 21.8 236°.23 3°.9/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.39	−14 53.1	2.374	3.085	14.5	21.7
2 21	12 24.23	−15 0.3	2.268	3.081	12.2	21.6
3 2	12 19.12	−14 49.4	2.184	3.077	9.5	21.4
3 12	12 12.49	−14 20.5	2.123	3.073	6.6	21.2
3 22	12 4.99	−13 35.2	2.089	3.069	4.2	21.0
4 1	11 57.40	−12 37.6	2.084	3.064	4.4	21.0
4 11	11 50.56	−11 33.4	2.107	3.060	7.0	21.2
4 21	11 45.13	−10 29.0	2.157	3.056	10.1	21.3

419134 2009 ST_{250} 3 21.8 2°.92 5°.9/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 36.37	+13 47.0	1.707	2.514	15.8	20.7
2 21	12 31.93	+14 16.9	1.630	2.513	12.6	20.5
3 2	12 24.71	+14 47.7	1.575	2.513	9.2	20.3
3 12	12 15.38	+15 12.0	1.545	2.514	6.4	20.1
3 22	12 4.94	+15 22.8	1.541	2.514	6.3	20.1
4 1	11 54.64	+15 14.7	1.565	2.515	8.9	20.3
4 11	11 45.68	+14 45.8	1.613	2.516	12.4	20.5
4 21	11 38.89	+13 57.2	1.684	2.517	15.7	20.7

233853 2008 UU_{365} 3 21.8 221°.75 0°.5/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.03	− 1 52.8	2.217	2.990	13.7	21.5
2 21	12 24.76	− 1 21.6	2.120	2.986	10.9	21.3
3 2	12 19.48	− 0 37.6	2.046	2.983	7.5	21.1
3 12	12 12.67	+ 0 15.9	1.998	2.979	3.7	20.8
3 22	12 4.99	+ 1 13.9	1.979	2.975	0.6	20.6
4 1	11 57.28	+ 2 10.5	1.989	2.971	4.4	20.8
4 11	11 50.37	+ 3 0.0	2.027	2.967	8.1	21.1
4 21	11 44.94	+ 3 38.1	2.090	2.963	11.5	21.3

337264 2000 SS_{254} 3 21.8 195°.12 0°.5/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.56	− 4 5.2	2.234	3.000	13.8	21.4
2 21	12 24.38	− 3 9.1	2.136	2.998	11.0	21.2
3 2	12 19.21	− 1 56.7	2.061	2.996	7.6	21.0
3 12	12 12.53	− 0 32.1	2.013	2.993	3.8	20.8
3 22	12 5.00	+ 0 58.8	1.994	2.990	0.5	20.5
4 1	11 57.44	+ 2 28.6	2.005	2.987	4.4	20.8
4 11	11 50.68	+ 3 50.2	2.045	2.983	8.2	21.0
4 21	11 45.37	+ 4 58.2	2.110	2.978	11.6	21.2

159238 2005 YN_{30} 3 21.8 116°.95 5°.6/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.99	+ 8 50.6	1.548	2.361	16.8	19.8
2 21	12 29.42	+10 12.0	1.482	2.372	13.2	19.6
3 2	12 23.04	+11 42.2	1.438	2.383	9.3	19.4
3 12	12 14.54	+13 11.3	1.420	2.393	6.1	19.2
3 22	12 4.97	+14 28.8	1.427	2.404	6.2	19.3
4 1	11 55.59	+15 25.7	1.462	2.413	9.3	19.5
4 11	11 47.60	+15 57.0	1.521	2.423	13.1	19.7
4 21	11 41.83	+16 2.1	1.600	2.432	16.5	19.9

310904 2003 SC_{32} 3 21.8 78°.09 10°.0/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 53.43	−11 36.6	1.064	1.815	26.6	19.7
2 21	12 47.69	−14 17.1	0.995	1.828	22.7	19.5
3 2	12 37.08	−16 42.5	0.942	1.842	18.1	19.2
3 12	12 22.26	−18 42.6	0.909	1.855	13.4	19.0
3 22	12 4.84	−20 7.7	0.900	1.869	10.3	18.9
4 1	11 47.31	−20 53.9	0.915	1.882	11.0	19.0
4 11	11 32.23	−21 7.3	0.954	1.895	14.7	19.2
4 21	11 21.28	−21 0.2	1.014	1.908	18.9	19.5

119650 2001 XT_{48} 3 21.8 253°.00 6°.7/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 28.87	+13 36.9	1.843	2.659	14.4	19.4
2 21	12 25.89	+15 8.1	1.767	2.656	11.5	19.2
3 2	12 20.50	+16 44.0	1.715	2.653	8.6	19.0
3 12	12 13.25	+18 15.1	1.689	2.650	6.8	18.9
3 22	12 4.99	+19 32.0	1.689	2.647	7.5	18.9
4 1	11 56.76	+20 26.8	1.716	2.644	10.0	19.0
4 11	11 49.59	+20 55.3	1.767	2.641	13.1	19.2
4 21	11 44.26	+20 57.2	1.839	2.637	15.9	19.4

432493 2010 ED_{87} 3 21.8 74°.90 3°.5/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 34.26	+ 8 46.1	2.096	2.887	13.8	20.9
2 21	12 29.51	+ 9 10.1	2.027	2.904	10.8	20.7
3 2	12 22.61	+ 9 38.0	1.981	2.922	7.5	20.6
3 12	12 14.16	+10 4.6	1.963	2.939	4.4	20.4
3 22	12 4.99	+10 24.9	1.972	2.956	3.7	20.4
4 1	11 56.03	+10 34.3	2.011	2.974	6.3	20.6
4 11	11 48.16	+10 30.3	2.077	2.991	9.5	20.8
4 21	11 42.01	+10 12.3	2.167	3.008	12.4	21.0

20168 1996 VY_{4} 3 21.8 86°.68 5°.0/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.52	−16 20.5	1.669	2.393	19.3	19.1
2 21	12 28.16	−16 29.5	1.593	2.413	16.2	18.9
3 2	12 22.13	−16 12.6	1.536	2.432	12.6	18.7
3 12	12 14.08	−15 29.7	1.500	2.451	8.7	18.5
3 22	12 4.99	−14 23.7	1.490	2.469	5.5	18.4
4 1	11 56.04	−13 1.6	1.507	2.488	5.7	18.4
4 11	11 48.38	−11 33.0	1.550	2.506	8.8	18.6
4 21	11 42.81	−10 7.5	1.618	2.523	12.4	18.9

68178 2001 BJ_{47} 3 21.8 275°.02 7°.5/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.85	−23 23.1	2.190	2.853	16.8	19.0
2 21	12 25.91	−24 4.8	2.072	2.835	14.9	18.8
3 2	12 20.64	−24 25.0	1.972	2.817	12.6	18.6
3 12	12 13.44	−24 20.3	1.892	2.799	10.1	18.4
3 22	12 5.00	−23 49.4	1.837	2.781	8.1	18.2
4 1	11 56.26	−22 53.8	1.808	2.762	7.6	18.1
4 11	11 48.28	−21 39.2	1.805	2.743	9.1	18.2
4 21	11 41.94	−20 13.5	1.827	2.725	11.6	18.3

130076 1999 VA_{224} 3 21.8 164°.36 1°.3/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.43	− 0 4.6	2.238	3.016	13.4	20.6
2 21	12 24.99	+ 0 37.9	2.148	3.018	10.6	20.4
3 2	12 19.59	+ 1 32.4	2.082	3.021	7.2	20.2
3 12	12 12.71	+ 2 34.5	2.042	3.023	3.6	20.0
3 22	12 5.01	+ 3 38.7	2.031	3.025	1.4	19.8
4 1	11 57.34	+ 4 38.9	2.049	3.027	4.7	20.1
4 11	11 50.49	+ 5 29.5	2.095	3.028	8.3	20.3
4 21	11 45.12	+ 6 6.8	2.167	3.029	11.5	20.5

305979 2009 HJ_{100} 3 21.8 338°.65 1°.4/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.44	+ 0 44.8	1.997	2.791	14.3	20.6
2 21	12 22.98	+ 1 17.3	1.903	2.783	11.3	20.4
3 2	12 18.40	+ 2 2.1	1.832	2.775	7.7	20.2
3 12	12 12.18	+ 2 54.8	1.786	2.769	3.8	19.9
3 22	12 5.02	+ 3 49.8	1.768	2.762	1.6	19.8
4 1	11 57.82	+ 4 40.6	1.777	2.756	5.2	20.0
4 11	11 51.48	+ 5 21.3	1.813	2.751	9.1	20.2
4 21	11 46.70	+ 5 48.1	1.873	2.746	12.6	20.4

413846 2006 SB_{247} 3 21.8 80°.67 0°.8/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.74	− 0 23.5	1.657	2.445	17.0	21.1
2 21	12 29.13	− 0 11.3	1.575	2.450	13.5	20.9
3 2	12 22.83	+ 0 14.4	1.515	2.455	9.3	20.7
3 12	12 14.47	+ 0 49.6	1.479	2.460	4.7	20.4
3 22	12 4.99	+ 1 28.8	1.469	2.465	0.8	20.1
4 1	11 55.57	+ 2 5.2	1.488	2.471	5.4	20.5
4 11	11 47.37	+ 2 32.8	1.532	2.476	9.9	20.7
4 21	11 41.24	+ 2 47.6	1.600	2.481	13.9	21.0

498905 2009 AS_{12} 3 21.8 49°.42 5°.5/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.54	+12 10.4	2.008	2.821	13.5	21.0
2 21	12 24.50	+13 26.2	1.940	2.828	10.7	20.9
3 2	12 19.32	+14 45.9	1.895	2.836	7.7	20.7
3 12	12 12.57	+16 1.6	1.877	2.844	5.7	20.6
3 22	12 5.02	+17 5.7	1.886	2.852	6.1	20.6
4 1	11 57.58	+17 51.7	1.922	2.860	8.5	20.8
4 11	11 51.13	+18 16.2	1.984	2.868	11.3	21.0
4 21	11 46.32	+18 18.5	2.067	2.876	14.0	21.2

278670 2008 RN_{91} 3 21.8 281°.68 0°.5/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.66	− 3 43.9	1.957	2.729	15.3	21.4
2 21	12 26.42	− 3 36.3	1.858	2.721	12.3	21.2
3 2	12 20.86	− 3 14.5	1.780	2.714	8.7	20.9
3 12	12 13.48	− 2 40.9	1.728	2.706	4.6	20.6
3 22	12 5.02	− 1 59.5	1.702	2.698	0.5	20.3
4 1	11 56.46	− 1 16.0	1.705	2.691	4.4	20.6
4 11	11 48.81	− 0 36.4	1.735	2.683	8.6	20.8
4 21	11 42.86	− 0 5.9	1.789	2.675	12.4	21.0

238963 2006 BJ_{115} 3 21.9 237°.07 1°.0/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 30.86	− 2 6.1	1.772	2.553	16.3	21.0
2 21	12 27.70	− 1 22.8	1.670	2.542	13.0	20.7
3 2	12 21.96	− 0 21.5	1.590	2.529	9.0	20.4
3 12	12 14.12	+ 0 53.4	1.535	2.516	4.5	20.1
3 22	12 5.01	+ 2 15.2	1.507	2.503	1.1	19.9
4 1	11 55.72	+ 3 35.1	1.508	2.489	5.6	20.1
4 11	11 47.43	+ 4 44.4	1.536	2.475	10.3	20.4
4 21	11 41.04	+ 5 37.0	1.587	2.460	14.5	20.6

425115 2009 SQ_{160} 3 21.9 197°.14 0°.8/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.08	− 5 14.3	2.288	3.041	13.9	23.0
2 21	12 27.12	− 5 0.2	2.187	3.038	11.2	22.8
3 2	12 21.11	− 4 32.3	2.108	3.035	8.0	22.6
3 12	12 13.52	− 3 52.8	2.055	3.031	4.3	22.4
3 22	12 5.02	− 3 5.4	2.031	3.027	0.8	22.1
4 1	11 56.46	− 2 15.2	2.037	3.022	3.8	22.3
4 11	11 48.71	− 1 27.8	2.071	3.017	7.6	22.5
4 21	11 42.45	− 0 47.9	2.132	3.011	11.0	22.7

461570 2004 JA_{55} 3 21.9 236°.12 6°.6/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 36.80	+15 51.7	1.872	2.673	14.8	20.9
2 21	12 32.13	+16 37.8	1.790	2.668	11.9	20.7
3 2	12 24.81	+17 24.2	1.730	2.663	9.0	20.5
3 12	12 15.45	+18 2.9	1.696	2.657	6.8	20.4
3 22	12 5.00	+18 26.5	1.689	2.651	7.0	20.4
4 1	11 54.60	+18 29.2	1.710	2.645	9.5	20.5
4 11	11 45.42	+18 8.9	1.755	2.639	12.6	20.7
4 21	11 38.27	+17 26.7	1.823	2.633	15.6	20.9

190277 6227 P–L 3 21.9 221°.59 1°.1/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.60	− 6 35.0	2.629	3.367	12.6	22.2
2 21	12 26.53	− 6 20.9	2.514	3.356	10.3	22.0
3 2	12 20.61	− 5 53.6	2.423	3.344	7.4	21.8
3 12	12 13.25	− 5 14.9	2.358	3.331	4.1	21.5
3 22	12 5.03	− 4 27.8	2.322	3.317	1.2	21.3
4 1	11 56.69	− 3 36.5	2.317	3.303	3.4	21.5
4 11	11 49.00	− 2 46.3	2.342	3.288	6.8	21.6
4 21	11 42.59	− 2 1.5	2.393	3.272	10.0	21.8

52602 1997 TY_{5} 3 21.9 251°.57 1°.6/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.32	+ 1 44.0	2.222	3.006	13.3	18.9
2 21	12 25.00	+ 2 18.1	2.126	3.000	10.5	18.7
3 2	12 19.66	+ 3 2.6	2.054	2.995	7.2	18.5
3 12	12 12.79	+ 3 53.4	2.007	2.989	3.6	18.2
3 22	12 5.04	+ 4 45.2	1.990	2.983	1.8	18.1
4 1	11 57.26	+ 5 32.2	2.001	2.977	5.0	18.3
4 11	11 50.28	+ 6 9.4	2.040	2.971	8.6	18.5
4 21	11 44.77	+ 6 33.4	2.103	2.965	11.9	18.7

374327 2005 TU_{69} 3 21.9 285°.10 2°.2/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.19	+ 2 25.9	1.763	2.560	15.8	21.6
2 21	12 27.24	+ 2 58.5	1.659	2.540	12.5	21.4
3 2	12 21.70	+ 3 44.2	1.577	2.521	8.7	21.1
3 12	12 14.02	+ 4 37.9	1.519	2.501	4.5	20.8
3 22	12 5.02	+ 5 33.2	1.488	2.481	2.5	20.6
4 1	11 55.79	+ 6 22.3	1.484	2.460	6.4	20.8
4 11	11 47.51	+ 6 58.4	1.507	2.440	10.9	21.0
4 21	11 41.12	+ 7 17.3	1.552	2.420	15.0	21.2

498978 2009 BX_{144} 3 21.9 90°.30 3°.0/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.34	−10 44.6	2.311	3.038	14.5	21.8
2 21	12 27.22	−11 4.4	2.224	3.051	11.9	21.7
3 2	12 21.10	−11 9.2	2.157	3.063	9.0	21.5
3 12	12 13.47	−10 59.4	2.116	3.076	5.8	21.3
3 22	12 5.03	−10 37.1	2.103	3.089	3.2	21.2
4 1	11 56.64	−10 5.9	2.118	3.101	4.0	21.3
4 11	11 49.12	− 9 30.6	2.163	3.114	7.0	21.5
4 21	11 43.11	− 8 56.2	2.233	3.126	10.0	21.7

34648 2000 WZ_{101} 3 21.9 174°.20 6°.2/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.10	+14 10.2	2.054	2.862	13.4	18.6
2 21	12 26.55	+15 29.9	1.980	2.863	10.7	18.4
3 2	12 20.79	+16 52.6	1.929	2.864	8.0	18.3
3 12	12 13.35	+18 10.0	1.905	2.865	6.3	18.2
3 22	12 5.04	+19 14.2	1.908	2.865	6.8	18.2
4 1	11 56.78	+19 58.7	1.939	2.866	9.1	18.3
4 11	11 49.51	+20 20.1	1.994	2.866	11.9	18.5
4 21	11 43.93	+20 18.2	2.072	2.866	14.5	18.7

247812 2003 SB_{124} 3 21.9 192°.73 3°.0/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 33.15	+ 4 50.8	2.099	2.885	13.9	21.2
2 21	12 28.92	+ 5 41.2	2.008	2.883	11.0	21.0
3 2	12 22.43	+ 6 41.1	1.940	2.881	7.5	20.8
3 12	12 14.21	+ 7 44.9	1.898	2.877	4.1	20.6
3 22	12 5.03	+ 8 46.0	1.886	2.873	3.2	20.5
4 1	11 55.82	+ 9 37.8	1.903	2.869	6.3	20.7
4 11	11 47.55	+10 15.0	1.947	2.863	9.9	20.9
4 21	11 40.96	+10 34.9	2.016	2.857	13.2	21.1

212922 2007 YL_{32} 3 21.9 68°.55 1°.1/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 27.38	+ 0 14.1	2.253	3.034	13.3	20.6
2 21	12 24.15	+ 0 46.6	2.165	3.037	10.4	20.5
3 2	12 19.00	+ 1 30.0	2.100	3.040	7.1	20.3
3 12	12 12.42	+ 2 20.3	2.062	3.044	3.5	20.0
3 22	12 5.06	+ 3 12.6	2.052	3.047	1.3	19.9
4 1	11 57.72	+ 4 1.3	2.072	3.051	4.5	20.1
4 11	11 51.21	+ 4 41.4	2.119	3.054	8.1	20.3
4 21	11 46.13	+ 5 9.5	2.191	3.058	11.3	20.5

59776 1999 NE_{33} 3 21.9 303°.37 7°.0/14.4 18

2 11	12 27.15	+13 13.2	1.728	2.550	14.9	18.8
2 21	12 24.84	+14 46.1	1.642	2.535	11.9	18.5
3 2	12 19.99	+16 25.7	1.580	2.520	9.0	18.3
3 12	12 13.11	+18 2.3	1.543	2.506	7.1	18.2
3 22	12 5.05	+19 25.4	1.532	2.491	7.9	18.2
4 1	11 56.89	+20 25.6	1.546	2.477	10.7	18.3
4 11	11 49.77	+20 57.7	1.584	2.463	14.0	18.5
4 21	11 44.56	+21 0.6	1.642	2.449	17.2	18.6

231595 2008 VF_{70} 3 21.9 301°.34 2°.4/24.1 17

2 11	12 27.47	− 9 12.6	1.916	2.672	16.1	20.6
2 21	12 24.83	− 9 12.4	1.813	2.661	13.3	20.4
3 2	12 19.85	− 8 53.6	1.730	2.651	9.8	20.1
3 12	12 13.02	− 8 17.3	1.671	2.640	5.9	19.9
3 22	12 5.06	− 7 26.7	1.638	2.630	2.6	19.6
4 1	11 56.95	− 6 27.2	1.633	2.620	4.3	19.7
4 11	11 49.73	− 5 26.2	1.655	2.610	8.4	20.0
4 21	11 44.21	− 4 30.5	1.701	2.600	12.3	20.2

327236 2005 RG_{46} 3 21.9 252°.86 4°.8/16.9 17

2 11	12 31.87	+10 3.3	2.020	2.821	13.9	21.8
2 21	12 28.16	+11 2.0	1.922	2.805	11.0	21.5
3 2	12 22.09	+12 7.5	1.848	2.788	7.9	21.3
3 12	12 14.12	+13 12.8	1.800	2.772	5.3	21.1
3 22	12 5.04	+14 10.4	1.779	2.755	5.3	21.1
4 1	11 55.84	+14 53.3	1.787	2.737	8.0	21.2
4 11	11 47.54	+15 16.4	1.821	2.719	11.5	21.4
4 21	11 40.97	+15 18.3	1.877	2.701	14.7	21.5

238509 2004 TH_{52} 3 21.9 125°.78 2°.5/19.4 18 R

2 11	12 33.16	+ 5 20.9	2.251	3.033	13.2	20.6
2 21	12 28.59	+ 5 50.2	2.172	3.045	10.4	20.5
3 2	12 21.99	+ 6 26.2	2.117	3.057	7.1	20.3
3 12	12 13.90	+ 7 4.2	2.089	3.068	3.8	20.1
3 22	12 5.06	+ 7 39.1	2.090	3.079	2.7	20.0
4 1	11 56.33	+ 8 6.2	2.121	3.090	5.4	20.2
4 11	11 48.56	+ 8 21.8	2.179	3.100	8.7	20.4
4 21	11 42.36	+ 8 24.2	2.263	3.110	11.7	20.7

82927 Ferrucci 3 21.9 131°.16 0°.1/21.8 18

2 11	12 28.85	− 2 30.1	2.453	3.216	12.8	19.6
2 21	12 25.12	− 2 10.2	2.363	3.223	10.2	19.5
3 2	12 19.57	− 1 39.2	2.297	3.230	7.0	19.3
3 12	12 12.68	− 1 0.0	2.257	3.236	3.6	19.1
3 22	12 5.08	− 0 16.4	2.246	3.242	0.1	18.8
4 1	11 57.50	+ 0 26.8	2.265	3.248	3.7	19.1
4 11	11 50.70	+ 1 5.0	2.313	3.254	7.2	19.3
4 21	11 45.25	+ 1 34.6	2.386	3.260	10.2	19.5

495952 2006 WZ_{13} 3 21.9 123°.23 2°.6/24.8 18

2 11	12 31.36	−11 48.2	2.146	2.873	15.5	22.2
2 21	12 27.37	−11 33.9	2.062	2.890	12.7	22.0
3 2	12 21.25	−11 0.8	1.998	2.906	9.4	21.8
3 12	12 13.57	−10 10.2	1.959	2.922	5.9	21.7
3 22	12 5.07	− 9 5.9	1.948	2.937	2.9	21.5
4 1	11 56.66	− 7 53.6	1.967	2.952	4.0	21.6
4 11	11 49.22	− 6 40.6	2.014	2.966	7.3	21.8
4 21	11 43.41	− 5 33.1	2.087	2.979	10.7	22.0

501131 2013 TE_{33} 3 21.9 221°.05 2°.0/24.3 17

2 11	12 28.21	−11 4.6	2.355	3.085	14.2	22.3
2 21	12 24.90	−10 35.4	2.243	3.076	11.7	22.1
3 2	12 19.62	− 9 47.4	2.154	3.066	8.6	21.9
3 12	12 12.80	− 8 42.1	2.090	3.056	5.2	21.7
3 22	12 5.08	− 7 23.1	2.054	3.046	2.2	21.4
4 1	11 57.25	− 5 56.3	2.048	3.035	3.7	21.5
4 11	11 50.15	− 4 28.9	2.072	3.023	7.2	21.7
4 21	11 44.46	− 3 7.6	2.122	3.011	10.7	21.9

433568 2013 YK_{17} 3 21.9 16°.39 7°.7/29.4 17

2 11	12 29.26	−21 48.3	2.036	2.715	17.5	20.5
2 21	12 26.22	−22 50.1	1.944	2.718	15.4	20.4
3 2	12 20.80	−23 30.7	1.869	2.722	12.8	20.2
3 12	12 13.49	−23 47.1	1.816	2.726	10.2	20.0
3 22	12 5.07	−23 38.3	1.786	2.731	8.2	19.9
4 1	11 56.53	−23 6.1	1.782	2.736	7.7	19.9
4 11	11 48.94	−22 16.1	1.804	2.742	9.1	20.0
4 21	11 43.12	−21 15.9	1.851	2.748	11.5	20.1

80225 1999 VT_{160} 3 21.9 172°.12 1°.0/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 32.82	− 5 23.3	1.466	2.247	19.1	20.0
2 21	12 29.69	− 5 13.9	1.381	2.248	15.5	19.7
3 2	12 23.56	− 4 44.2	1.315	2.249	11.0	19.4
3 12	12 15.00	− 3 56.8	1.272	2.250	6.0	19.2
3 22	12 5.06	− 2 57.3	1.254	2.250	1.0	18.8
4 1	11 55.07	− 1 54.0	1.264	2.251	5.3	19.1
4 11	11 46.42	− 0 56.1	1.298	2.251	10.5	19.4
4 21	11 40.10	− 0 10.8	1.356	2.250	15.1	19.7

297867 2002 CM_{86} 3 21.9 84°.81 2°.5/19.8 18

2 11	12 32.73	+ 1 47.0	1.492	2.294	17.9	21.1
2 21	12 29.25	+ 2 34.3	1.426	2.310	14.0	20.9
3 2	12 22.95	+ 3 36.0	1.381	2.326	9.5	20.7
3 12	12 14.53	+ 4 45.2	1.359	2.342	4.8	20.4
3 22	12 5.07	+ 5 53.2	1.365	2.357	2.7	20.3
4 1	11 55.83	+ 6 51.2	1.397	2.373	6.8	20.6
4 11	11 48.02	+ 7 32.4	1.454	2.388	11.2	20.9
4 21	11 42.44	+ 7 53.5	1.534	2.403	15.1	21.2

309000 2006 UH_{44} 3 21.9 100°.18 0°.7/22.5 18

2 11	12 29.89	− 5 19.1	1.754	2.527	16.8	21.4
2 21	12 26.78	− 5 0.2	1.668	2.532	13.5	21.2
3 2	12 21.18	− 4 23.4	1.604	2.536	9.5	21.0
3 12	12 13.66	− 3 31.8	1.563	2.541	5.1	20.7
3 22	12 5.09	− 2 30.8	1.550	2.546	0.7	20.4
4 1	11 56.54	− 1 27.5	1.564	2.550	4.6	20.7
4 11	11 49.09	− 0 29.5	1.605	2.555	9.1	21.0
4 21	11 43.53	+ 0 17.0	1.670	2.559	13.0	21.2

500369 2012 TV_{40} 3 21.9 132°.16 1°.0/22.8 17

2 11	12 32.21	− 4 18.9	2.435	3.184	13.2	21.3
2 21	12 27.80	− 4 26.2	2.342	3.190	10.7	21.1
3 2	12 21.46	− 4 22.5	2.272	3.197	7.6	20.9
3 12	12 13.67	− 4 9.7	2.228	3.203	4.1	20.7
3 22	12 5.10	− 3 50.4	2.213	3.209	1.0	20.5
4 1	11 56.54	− 3 28.3	2.229	3.215	3.5	20.7
4 11	11 48.80	− 3 7.3	2.273	3.220	7.0	20.9
4 21	11 42.48	− 2 51.2	2.344	3.225	10.1	21.1

321733 2010 LR_{61} 3 21.9 58°.44 5°.6/15.2 18

2 11	12 28.08	+14 11.1	2.223	3.031	12.5	20.0
2 21	12 24.76	+15 20.9	2.151	3.035	10.0	19.8
3 2	12 19.44	+16 32.5	2.103	3.039	7.4	19.7
3 12	12 12.66	+17 39.1	2.082	3.043	5.7	19.6
3 22	12 5.11	+18 33.6	2.088	3.047	6.2	19.6
4 1	11 57.65	+19 10.8	2.122	3.051	8.3	19.7
4 11	11 51.09	+19 27.6	2.181	3.056	10.9	19.9
4 21	11 46.04	+19 23.7	2.263	3.060	13.4	20.1

337405 2001 QE_{225} 3 21.9 160°.59 1°.2/23.3 18

2 11	12 30.29	− 6 9.1	2.619	3.360	12.6	21.2
2 21	12 26.18	− 6 8.3	2.522	3.364	10.2	21.0
3 2	12 20.29	− 5 55.8	2.447	3.368	7.3	20.8
3 12	12 13.06	− 5 33.1	2.399	3.372	4.1	20.6
3 22	12 5.11	− 5 3.1	2.380	3.375	1.3	20.4
4 1	11 57.15	− 4 29.3	2.392	3.378	3.3	20.6
4 11	11 49.90	− 3 56.0	2.432	3.380	6.5	20.8
4 21	11 43.96	− 3 27.2	2.500	3.382	9.5	21.0

338264 2002 TL_{253} 3 21.9 197°.24 0°.3/21.4 17

2 11	12 28.55	− 1 49.0	3.336	4.085	10.0	23.4
2 21	12 24.42	− 1 17.8	3.228	4.081	7.9	23.3
3 2	12 18.88	− 0 37.9	3.145	4.076	5.5	23.1
3 12	12 12.29	+ 0 8.3	3.090	4.070	2.7	22.9
3 22	12 5.12	+ 0 57.4	3.067	4.063	0.4	22.7
4 1	11 57.92	+ 1 45.9	3.075	4.056	3.1	22.9
4 11	11 51.23	+ 2 30.0	3.113	4.048	5.9	23.1
4 21	11 45.52	+ 3 6.9	3.179	4.039	8.3	23.2

299866 2006 SF_{275} 3 21.9 161°.51 0°.5/22.5 18

2 11	12 26.04	− 5 39.7	2.577	3.331	12.5	21.2
2 21	12 22.88	− 5 5.8	2.481	3.334	10.0	21.0
3 2	12 18.04	− 4 18.4	2.408	3.336	7.0	20.8
3 12	12 11.93	− 3 20.1	2.361	3.338	3.7	20.6
3 22	12 5.13	− 2 15.2	2.344	3.340	0.5	20.4
4 1	11 58.33	− 1 8.8	2.356	3.341	3.4	20.6
4 11	11 52.22	− 0 6.3	2.398	3.343	6.7	20.8
4 21	11 47.34	+ 0 47.7	2.466	3.344	9.7	21.0

93621 2000 UZ_{70} 3 21.9 238°.40 0°.5/21.3 18

2 11	12 31.71	− 1 8.3	2.388	3.151	13.1	20.8
2 21	12 27.64	− 0 47.2	2.275	3.135	10.5	20.6
3 2	12 21.53	− 0 14.9	2.185	3.119	7.3	20.4
3 12	12 13.81	+ 0 25.8	2.122	3.102	3.7	20.1
3 22	12 5.11	+ 1 10.8	2.088	3.085	0.6	19.9
4 1	11 56.25	+ 1 55.1	2.085	3.066	4.3	20.1
4 11	11 48.10	+ 2 33.5	2.110	3.047	8.0	20.3
4 21	11 41.36	+ 3 2.1	2.161	3.028	11.4	20.5

143307 2003 AK_{41} 3 21.9 105°.55 0°.4/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 32.84	− 3 6.2	2.196	2.956	14.2	20.9
2 21	12 28.29	− 2 23.8	2.126	2.984	11.2	20.7
3 2	12 21.73	− 1 28.0	2.079	3.011	7.7	20.5
3 12	12 13.75	− 0 23.2	2.058	3.038	3.8	20.3
3 22	12 5.11	+ 0 45.2	2.067	3.064	0.4	20.1
4 1	11 56.67	+ 1 50.8	2.107	3.089	4.2	20.4
4 11	11 49.24	+ 2 48.1	2.175	3.113	7.8	20.7
4 21	11 43.40	+ 3 32.9	2.270	3.136	10.9	20.9

370754 2004 RJ_{228} 3 21.9 129°.54 1°.3/23.4 18

2 11	12 29.20	− 7 39.7	2.179	2.928	14.6	21.5
2 21	12 25.69	− 7 20.4	2.090	2.937	11.8	21.4
3 2	12 20.13	− 6 44.8	2.022	2.945	8.5	21.2
3 12	12 13.04	− 5 55.3	1.980	2.953	4.8	20.9
3 22	12 5.13	− 4 56.0	1.966	2.961	1.5	20.7
4 1	11 57.25	− 3 52.6	1.981	2.968	3.8	20.9
4 11	11 50.26	− 2 51.5	2.025	2.975	7.5	21.1
4 21	11 44.80	− 1 58.1	2.095	2.982	10.8	21.4

56076 1998 YV_{29} 3 21.9 24°.06 1°.7/20.8 18

2 11	12 36.35	+ 3 57.8	1.498	2.297	17.9	18.1
2 21	12 32.27	+ 3 46.0	1.421	2.302	14.2	17.9
3 2	12 25.18	+ 3 42.4	1.364	2.308	9.8	17.6
3 12	12 15.76	+ 3 43.0	1.332	2.314	5.0	17.4
3 22	12 5.10	+ 3 42.9	1.325	2.320	1.9	17.2
4 1	11 54.55	+ 3 37.0	1.346	2.327	6.1	17.5
4 11	11 45.45	+ 3 21.5	1.393	2.335	10.8	17.7
4 21	11 38.73	+ 2 54.5	1.462	2.343	15.0	18.0

315336 2007 TM_{418} 3 21.9 24°.97 2°.4/20.3 18

2 11	12 33.55	+ 3 33.0	1.391	2.200	18.6	20.5
2 21	12 30.30	+ 3 45.5	1.316	2.203	14.7	20.2
3 2	12 23.96	+ 4 9.4	1.261	2.207	10.1	20.0
3 12	12 15.19	+ 4 39.2	1.229	2.212	5.2	19.7
3 22	12 5.11	+ 5 7.8	1.223	2.217	2.6	19.5
4 1	11 55.13	+ 5 28.0	1.243	2.222	6.9	19.8
4 11	11 46.63	+ 5 34.4	1.287	2.227	11.7	20.1
4 21	11 40.56	+ 5 24.2	1.353	2.233	16.0	20.4

406560 2007 YC_{51} 3 21.9 166°.41 7°.1/13.3 16

2 11	12 33.39	+17 35.7	2.189	2.989	13.0	22.3
2 21	12 29.02	+19 12.9	2.120	2.995	10.5	22.2
3 2	12 22.45	+20 50.4	2.077	3.000	8.2	22.0
3 12	12 14.22	+22 19.4	2.060	3.005	7.1	22.0
3 22	12 5.13	+23 31.8	2.072	3.009	7.8	22.0
4 1	11 56.12	+24 21.4	2.111	3.012	9.8	22.2
4 11	11 48.12	+24 45.5	2.175	3.014	12.3	22.3
4 21	11 41.82	+24 44.7	2.260	3.015	14.6	22.5

491776 2012 WA_{14} 3 21.9 77°.64 2°.7/25.2 17

2 11	12 26.14	−12 11.7	2.386	3.114	14.0	21.8
2 21	12 23.14	−12 0.8	2.293	3.121	11.6	21.6
3 2	12 18.31	−11 32.5	2.220	3.127	8.7	21.4
3 12	12 12.10	−10 48.1	2.173	3.134	5.5	21.2
3 22	12 5.15	− 9 50.7	2.153	3.141	2.9	21.1
4 1	11 58.21	− 8 45.1	2.163	3.148	3.7	21.1
4 11	11 52.04	− 7 37.4	2.200	3.154	6.7	21.3
4 21	11 47.23	− 6 33.3	2.265	3.161	9.7	21.5

410350 2007 UD_{135} 3 21.9 53°.39 4°.3/18.6 18

2 11	12 32.40	+ 6 24.6	1.402	2.219	18.1	20.9
2 21	12 29.19	+ 7 11.7	1.340	2.232	14.2	20.7
3 2	12 23.01	+ 8 8.8	1.298	2.246	9.7	20.5
3 12	12 14.61	+ 9 7.6	1.280	2.260	5.5	20.3
3 22	12 5.12	+ 9 59.0	1.287	2.274	4.6	20.2
4 1	11 55.88	+10 34.8	1.320	2.288	8.2	20.5
4 11	11 48.16	+10 50.0	1.378	2.303	12.4	20.7
4 21	11 42.79	+10 43.4	1.456	2.318	16.2	21.0

265653 2005 TP_{132} 3 21.9 185°.62 0°.7/21.2 17

2 11	12 30.76	− 1 17.2	2.137	2.909	14.2	22.0
2 21	12 27.00	− 0 47.6	2.044	2.909	11.2	21.8
3 2	12 21.11	− 0 5.3	1.972	2.909	7.8	21.5
3 12	12 13.58	+ 0 46.0	1.927	2.908	3.9	21.3
3 22	12 5.14	+ 1 41.3	1.911	2.907	0.8	21.1
4 1	11 56.67	+ 2 34.5	1.924	2.905	4.6	21.3
4 11	11 49.09	+ 3 19.9	1.965	2.903	8.4	21.6
4 21	11 43.10	+ 3 53.4	2.031	2.901	11.9	21.8

33070 1997 WY_{7} 3 21.9 298°.51 4°.3/18.1 18

2 11	12 30.18	+ 7 32.2	1.699	2.509	15.7	18.7
2 21	12 27.28	+ 8 18.8	1.606	2.495	12.4	18.5
3 2	12 21.74	+ 9 14.7	1.535	2.481	8.7	18.2
3 12	12 14.07	+10 12.9	1.489	2.467	5.2	18.0
3 22	12 5.14	+11 5.3	1.469	2.453	4.7	17.9
4 1	11 56.09	+11 44.2	1.476	2.440	8.0	18.0
4 11	11 48.11	+12 3.7	1.508	2.426	12.0	18.2
4 21	11 42.11	+12 1.6	1.562	2.413	15.8	18.4

67502 2000 RE_{44} 3 21.9 184°.79 2°.4/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 33.56	−10 50.2	2.370	3.090	14.3	20.6
2 21	12 29.06	−10 39.9	2.266	3.090	11.8	20.4
3 2	12 22.47	−10 12.7	2.183	3.090	8.8	20.2
3 12	12 14.27	− 9 29.6	2.125	3.089	5.4	20.0
3 22	12 5.15	− 8 33.6	2.097	3.087	2.6	19.8
4 1	11 55.96	− 7 29.5	2.099	3.083	3.8	19.9
4 11	11 47.58	− 6 23.6	2.130	3.079	7.2	20.1
4 21	11 40.72	− 5 21.8	2.189	3.074	10.5	20.3

370742 2004 RC_{158} 3 21.9 167°.07 1°.7/23.7 17

2 11	12 30.85	− 8 3.8	2.380	3.118	13.8	22.0
2 21	12 26.85	− 7 56.5	2.283	3.122	11.2	21.9
3 2	12 20.89	− 7 34.6	2.208	3.125	8.2	21.7
3 12	12 13.44	− 6 59.7	2.159	3.129	4.8	21.5
3 22	12 5.16	− 6 14.9	2.138	3.131	1.8	21.3
4 1	11 56.87	− 5 24.8	2.147	3.133	3.6	21.4
4 11	11 49.38	− 4 34.8	2.186	3.135	7.0	21.6
4 21	11 43.33	− 3 50.0	2.250	3.136	10.2	21.8

423233 2004 SS_{25} 3 21.9 136°.50 0°.7/22.8 17

2 11	12 30.08	− 5 54.8	2.404	3.152	13.4	22.1
2 21	12 26.13	− 5 31.2	2.316	3.164	10.8	21.9
3 2	12 20.31	− 4 53.7	2.251	3.176	7.6	21.7
3 12	12 13.11	− 4 5.1	2.212	3.187	4.1	21.5
3 22	12 5.19	− 3 9.3	2.202	3.197	0.8	21.3
4 1	11 57.31	− 2 11.5	2.222	3.207	3.5	21.5
4 11	11 50.26	− 1 17.2	2.271	3.217	7.0	21.7
4 21	11 44.61	− 0 30.8	2.347	3.226	10.2	21.9

387265 2012 UE_{106} 3 21.9 73°.30 2°.9/18.9 17

2 11	12 31.32	+ 7 13.5	2.251	3.041	13.0	20.7
2 21	12 27.24	+ 7 38.9	2.168	3.046	10.2	20.6
3 2	12 21.14	+ 8 9.7	2.109	3.050	7.0	20.4
3 12	12 13.55	+ 8 41.0	2.077	3.055	4.0	20.2
3 22	12 5.18	+ 9 7.9	2.073	3.060	3.2	20.1
4 1	11 56.89	+ 9 25.9	2.098	3.065	5.8	20.3
4 11	11 49.49	+ 9 31.7	2.151	3.069	9.0	20.5
4 21	11 43.63	+ 9 23.9	2.228	3.074	11.9	20.7

359745 2011 UM_{70} 3 21.9 76°.29 1°.4/23.1 18

2 11	12 29.06	− 8 5.3	1.471	2.249	19.2	20.9
2 21	12 26.61	− 7 37.8	1.392	2.256	15.6	20.6
3 2	12 21.33	− 6 45.9	1.332	2.264	11.2	20.4
3 12	12 13.86	− 5 32.9	1.295	2.272	6.2	20.1
3 22	12 5.18	− 4 5.6	1.284	2.279	1.5	19.8
4 1	11 56.56	− 2 33.7	1.299	2.287	5.0	20.1
4 11	11 49.24	− 1 8.0	1.340	2.295	10.0	20.4
4 21	11 44.13	+ 0 3.1	1.404	2.302	14.4	20.7

518393 2017 TZ_{11} 3 21.9 221°.50 0°.1/21.9 17

2 11	12 31.64	− 2 26.4	2.541	3.296	12.6	21.9
2 21	12 27.41	− 2 14.5	2.432	3.287	10.1	21.7
3 2	12 21.28	− 1 51.9	2.346	3.276	7.1	21.5
3 12	12 13.67	− 1 21.0	2.287	3.266	3.6	21.2
3 22	12 5.19	− 0 45.2	2.258	3.254	0.1	20.9
4 1	11 56.60	− 0 8.8	2.259	3.243	3.7	21.2
4 11	11 48.71	+ 0 23.9	2.289	3.230	7.3	21.4
4 21	11 42.16	+ 0 49.0	2.346	3.217	10.5	21.6

55540 2001 WC_{45} 3 21.9 84°.02 3°.8/17.8 18

2 11	12 32.11	+10 10.4	2.299	3.092	12.7	18.6
2 21	12 27.70	+10 47.6	2.231	3.109	9.9	18.4
3 2	12 21.34	+11 28.0	2.187	3.126	6.9	18.3
3 12	12 13.59	+12 6.1	2.170	3.143	4.4	18.2
3 22	12 5.20	+12 36.6	2.182	3.160	4.1	18.2
4 1	11 56.97	+12 55.3	2.222	3.177	6.4	18.3
4 11	11 49.71	+12 59.5	2.290	3.193	9.2	18.5
4 21	11 43.98	+12 48.7	2.382	3.210	11.8	18.7

151100 2001 VP_{116} 3 21.9 88°.49 2°.3/19.8 18

2 11	12 32.52	+ 3 10.8	1.867	2.657	15.3	20.8
2 21	12 28.50	+ 3 47.6	1.797	2.674	11.9	20.6
3 2	12 22.14	+ 4 34.5	1.750	2.692	8.1	20.4
3 12	12 14.08	+ 5 25.9	1.728	2.709	4.2	20.2
3 22	12 5.19	+ 6 15.3	1.735	2.726	2.5	20.1
4 1	11 56.49	+ 6 56.5	1.769	2.743	5.8	20.4
4 11	11 48.93	+ 7 24.6	1.831	2.760	9.6	20.6
4 21	11 43.21	+ 7 37.1	1.917	2.776	13.0	20.9

489275 2006 SZ_{99} 3 21.9 198°.83 0°.7/20.9 17

2 11	12 28.91	+ 0 9.2	2.811	3.575	11.3	22.2
2 21	12 25.00	+ 0 31.9	2.710	3.572	8.9	22.0
3 2	12 19.46	+ 1 3.1	2.634	3.569	6.1	21.8
3 12	12 12.68	+ 1 40.1	2.585	3.565	3.0	21.6
3 22	12 5.23	+ 2 19.1	2.566	3.561	0.8	21.4
4 1	11 57.75	+ 2 56.2	2.577	3.557	3.7	21.7
4 11	11 50.90	+ 3 27.3	2.618	3.552	6.8	21.9
4 21	11 45.22	+ 3 49.8	2.685	3.547	9.6	22.0

297269 1995 VF_{18} 3 21.9 296°.77 3°.3/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 27.88	− 9 54.2	1.374	2.153	20.3	20.9
2 21	12 26.36	−10 2.8	1.270	2.132	17.0	20.6
3 2	12 21.73	− 9 46.5	1.184	2.111	12.8	20.2
3 12	12 14.38	− 9 4.4	1.119	2.090	7.9	19.9
3 22	12 5.20	− 7 59.5	1.077	2.069	3.5	19.6
4 1	11 55.58	− 6 38.9	1.060	2.048	5.7	19.6
4 11	11 47.07	− 5 14.3	1.067	2.028	11.1	19.9
4 21	11 40.95	− 3 56.9	1.096	2.008	16.4	20.1

211155 2002 GZ_{158} 3 21.9 285°.33 2°.2/20.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.52	+ 1 8.0	1.570	2.372	17.1	20.9
2 21	12 27.09	+ 1 48.5	1.470	2.354	13.7	20.6
3 2	12 21.84	+ 2 45.5	1.391	2.336	9.5	20.3
3 12	12 14.26	+ 3 53.9	1.336	2.318	4.8	20.0
3 22	12 5.21	+ 5 5.8	1.306	2.300	2.5	19.8
4 1	11 55.92	+ 6 11.8	1.304	2.282	6.8	20.0
4 11	11 47.69	+ 7 3.2	1.327	2.264	11.7	20.2
4 21	11 41.56	+ 7 34.7	1.371	2.246	16.2	20.4

333284 1999 PJ_{1} 3 21.9 138°.03 20°.6/ 7.9 13 CR

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	13 8.54	−44 47.3	1.662	2.124	26.8	22.0
2 21	13 1.19	−48 15.7	1.595	2.148	25.6	21.9
3 2	12 47.92	−51 16.0	1.539	2.170	24.1	21.8
3 12	12 28.74	−53 32.0	1.497	2.190	22.7	21.8
3 22	12 5.05	−54 48.2	1.472	2.208	21.5	21.7
4 1	11 40.00	−54 55.9	1.464	2.224	20.7	21.7
4 11	11 17.41	−53 59.5	1.474	2.238	20.6	21.7
4 21	11 0.08	−52 15.0	1.502	2.249	21.1	21.8

379173 Gamaovalia 3 21.9 161°.49 0°.6/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 35.14	− 3 23.4	2.376	3.124	13.6	21.5
2 21	12 30.18	− 3 24.9	2.281	3.130	10.9	21.4
3 2	12 23.18	− 3 15.6	2.210	3.136	7.7	21.2
3 12	12 14.62	− 2 57.4	2.165	3.141	4.1	20.9
3 22	12 5.22	− 2 33.4	2.149	3.145	0.6	20.7
4 1	11 55.83	− 2 7.5	2.165	3.149	3.7	20.9
4 11	11 47.29	− 1 44.1	2.209	3.153	7.3	21.1
4 21	11 40.29	− 1 26.7	2.280	3.155	10.6	21.4

287562 2003 FV_{18} 3 21.9 347°.42 0°.2/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.96	− 0 57.6	1.262	2.070	20.2	20.3
2 21	12 29.55	− 1 5.1	1.181	2.066	16.2	20.0
3 2	12 23.79	− 0 56.4	1.118	2.062	11.4	19.7
3 12	12 15.31	− 0 35.0	1.077	2.059	5.8	19.4
3 22	12 5.21	− 0 6.4	1.060	2.057	0.3	19.0
4 1	11 55.03	+ 0 21.7	1.068	2.055	6.2	19.4
4 11	11 46.34	+ 0 41.7	1.100	2.054	11.8	19.7
4 21	11 40.27	+ 0 48.3	1.153	2.053	16.7	20.0

224317 2005 UL_{30} 3 21.9 202°.77 3°.2/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 33.47	+ 7 23.3	2.355	3.138	12.7	21.3
2 21	12 28.96	+ 8 2.4	2.260	3.134	10.0	21.1
3 2	12 22.39	+ 8 47.7	2.189	3.129	6.9	20.9
3 12	12 14.25	+ 9 34.0	2.146	3.123	4.0	20.7
3 22	12 5.24	+10 15.8	2.132	3.116	3.5	20.6
4 1	11 56.19	+10 48.0	2.148	3.109	6.0	20.8
4 11	11 47.99	+11 6.8	2.192	3.102	9.2	21.0
4 21	11 41.29	+11 10.2	2.260	3.093	12.2	21.2

114482 2003 AJ_{51} 3 21.9 290°.22 7°.4/27.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.97	−17 42.9	1.809	2.515	18.6	19.6
2 21	12 29.72	−18 51.1	1.701	2.502	16.2	19.4
3 2	12 23.66	−19 40.3	1.611	2.488	13.2	19.2
3 12	12 15.23	−20 6.7	1.542	2.474	10.2	19.0
3 22	12 5.22	−20 8.3	1.498	2.460	7.8	18.8
4 1	11 54.82	−19 45.9	1.480	2.446	7.7	18.7
4 11	11 45.34	−19 5.2	1.488	2.433	10.0	18.8
4 21	11 37.88	−18 14.0	1.519	2.420	13.4	19.0

506015 2015 HO_{67} 3 21.9 234°.63 0°.2/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.84	− 2 14.1	2.672	3.433	11.9	22.5
2 21	12 24.32	− 1 51.3	2.565	3.424	9.5	22.3
3 2	12 19.09	− 1 17.9	2.482	3.415	6.6	22.1
3 12	12 12.55	− 0 36.4	2.426	3.405	3.3	21.9
3 22	12 5.25	+ 0 9.5	2.399	3.395	0.2	21.6
4 1	11 57.89	+ 0 55.2	2.402	3.385	3.6	21.9
4 11	11 51.16	+ 1 36.3	2.434	3.375	6.9	22.1
4 21	11 45.63	+ 2 9.3	2.493	3.364	9.9	22.3

224575 2005 XP_{22} 3 21.9 127°.28 0°.3/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.34	− 1 53.0	2.210	2.975	14.0	21.9
2 21	12 28.05	− 1 30.5	2.128	2.989	11.1	21.7
3 2	12 21.72	− 0 56.2	2.068	3.002	7.7	21.5
3 12	12 13.87	− 0 13.5	2.035	3.015	3.8	21.3
3 22	12 5.24	+ 0 33.1	2.031	3.027	0.4	21.0
4 1	11 56.70	+ 1 18.3	2.057	3.039	4.2	21.4
4 11	11 49.10	+ 1 56.8	2.111	3.051	7.9	21.6
4 21	11 43.07	+ 2 25.2	2.190	3.061	11.1	21.8

435922 2009 BL_{114} 3 21.9 143°.61 2°.1/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 30.35	− 8 16.2	2.338	3.078	14.0	21.5
2 21	12 26.54	− 8 26.7	2.241	3.080	11.5	21.3
3 2	12 20.74	− 8 23.4	2.166	3.082	8.4	21.1
3 12	12 13.42	− 8 7.4	2.116	3.084	5.1	20.9
3 22	12 5.25	− 7 41.0	2.094	3.086	2.3	20.7
4 1	11 57.04	− 7 8.0	2.102	3.087	3.7	20.8
4 11	11 49.62	− 6 33.3	2.138	3.089	7.0	21.0
4 21	11 43.66	− 6 1.4	2.200	3.091	10.2	21.2

402846 2007 PU_{50} 3 21.9 239°.53 1°.0/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 34.44	− 4 41.8	1.814	2.578	16.6	21.6
2 21	12 30.60	− 4 40.7	1.708	2.565	13.5	21.4
3 2	12 24.08	− 4 23.9	1.622	2.551	9.7	21.1
3 12	12 15.34	− 3 53.1	1.561	2.537	5.3	20.8
3 22	12 5.23	− 3 12.0	1.527	2.523	1.0	20.5
4 1	11 54.86	− 2 26.6	1.521	2.507	4.7	20.7
4 11	11 45.47	− 1 43.8	1.543	2.491	9.5	20.9
4 21	11 38.02	− 1 9.6	1.589	2.475	13.7	21.2

416045 2002 GW_{2} 3 21.9 5°.08 5°.9/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 14.09	−19 55.4	1.188	1.957	23.4	19.6
2 21	12 15.48	−19 36.8	1.112	1.957	20.0	19.4
3 2	12 14.02	−18 35.6	1.050	1.958	15.9	19.1
3 12	12 10.29	−16 50.9	1.007	1.962	11.2	18.9
3 22	12 5.28	−14 28.3	0.986	1.968	7.0	18.7
4 1	12 0.30	−11 41.0	0.989	1.977	6.3	18.6
4 11	11 56.64	− 8 47.9	1.016	1.987	10.1	18.9
4 21	11 55.20	− 6 7.2	1.066	1.999	14.7	19.2

379852 2012 EO_{9} 3 21.9 110°.35 3°.4/25.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.48	−18 38.4	1.194	1.948	24.1	21.0
2 21	12 26.13	−17 19.2	1.114	1.956	20.2	20.7
3 2	12 21.44	−15 12.0	1.050	1.965	15.3	20.4
3 12	12 14.08	−12 18.4	1.007	1.973	9.5	20.1
3 22	12 5.25	− 8 49.2	0.990	1.981	4.1	19.8
4 1	11 56.52	− 5 4.6	0.999	1.988	5.7	19.9
4 11	11 49.42	− 1 29.0	1.035	1.996	11.4	20.3
4 21	11 44.97	+ 1 37.9	1.096	2.003	16.8	20.6

56775 2000 OU_{37} 3 21.9 245°.29 0°.4/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.64	− 4 22.4	2.136	2.904	14.3	19.7
2 21	12 24.72	− 3 26.6	2.028	2.890	11.5	19.4
3 2	12 19.69	− 2 12.8	1.941	2.876	8.0	19.2
3 12	12 12.98	− 0 44.7	1.881	2.861	4.0	18.9
3 22	12 5.26	+ 0 51.6	1.850	2.846	0.5	18.6
4 1	11 57.41	+ 2 28.2	1.848	2.831	4.6	18.9
4 11	11 50.32	+ 3 57.0	1.875	2.815	8.7	19.1
4 21	11 44.74	+ 5 11.6	1.928	2.798	12.4	19.3

272778 2005 YF_{203} 3 21.9 341°.36 0°.4/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.00	− 2 28.3	1.802	2.587	15.9	21.5
2 21	12 25.29	− 2 1.6	1.712	2.585	12.7	21.3
3 2	12 20.21	− 1 19.1	1.644	2.583	8.8	21.0
3 12	12 13.26	− 0 24.7	1.600	2.581	4.5	20.8
3 22	12 5.27	+ 0 35.8	1.583	2.579	0.5	20.5
4 1	11 57.24	+ 1 35.3	1.593	2.577	4.9	20.8
4 11	11 50.21	+ 2 26.6	1.631	2.576	9.3	21.0
4 21	11 44.97	+ 3 4.7	1.692	2.575	13.2	21.3

176344 2001 TE_{16} 3 21.9 104°.52 3°.4/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.88	+ 6 46.2	2.357	3.153	12.3	20.1
2 21	12 23.68	+ 7 53.0	2.279	3.161	9.6	19.9
3 2	12 18.67	+ 9 7.0	2.226	3.169	6.6	19.7
3 12	12 12.32	+10 22.3	2.200	3.177	4.0	19.6
3 22	12 5.28	+11 32.4	2.204	3.185	3.8	19.6
4 1	11 58.30	+12 31.5	2.236	3.192	6.2	19.7
4 11	11 52.11	+13 15.1	2.296	3.200	9.1	19.9
4 21	11 47.30	+13 41.3	2.379	3.207	11.8	20.1

153100 2000 SN_{11} 3 21.9 280°.19 0°.4/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 23.07	−12 21.3	1.105	1.901	23.2	19.9
2 21	12 23.01	−10 22.5	1.014	1.891	19.0	19.6
3 2	12 19.60	− 7 30.8	0.940	1.881	13.5	19.2
3 12	12 13.34	− 3 50.5	0.889	1.870	7.0	18.8
3 22	12 5.27	+ 0 22.2	0.863	1.860	0.5	18.3
4 1	11 56.97	+ 4 40.3	0.865	1.849	7.8	18.8
4 11	11 50.13	+ 8 34.4	0.892	1.839	14.7	19.1
4 21	11 45.99	+11 44.3	0.941	1.829	20.6	19.4

398000 2009 BN_{176} 3 21.9 94°.41 2°.8/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.98	+ 3 14.4	2.323	3.113	12.6	20.9
2 21	12 23.00	+ 4 36.4	2.246	3.126	9.8	20.8
3 2	12 18.20	+ 6 8.7	2.194	3.138	6.6	20.6
3 12	12 12.09	+ 7 45.3	2.170	3.150	3.6	20.4
3 22	12 5.31	+ 9 18.9	2.176	3.162	3.1	20.4
4 1	11 58.59	+10 42.6	2.211	3.174	5.8	20.6
4 11	11 52.67	+11 50.9	2.274	3.185	8.9	20.8
4 21	11 48.11	+12 40.9	2.362	3.197	11.7	21.0

29631 Ryankenny 3 21.9 274.°63 2.°8/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 33.12	+ 3 9.8	1.437	2.244	18.2	19.2
2 21	12 30.13	+ 3 39.1	1.350	2.236	14.5	18.9
3 2	12 24.03	+ 4 22.2	1.282	2.228	10.0	18.6
3 12	12 15.41	+ 5 13.0	1.238	2.220	5.2	18.3
3 22	12 5.27	+ 6 3.6	1.219	2.212	3.0	18.2
4 1	11 55.02	+ 6 45.1	1.226	2.203	7.3	18.4
4 11	11 46.08	+ 7 10.5	1.258	2.195	12.3	18.6
4 21	11 39.53	+ 7 15.8	1.312	2.187	16.8	18.9

95129 2002 AQ_{153} 3 21.9 104.°44 2.°6/19.5 18

2 11	12 33.89	+ 2 1.3	1.687	2.478	16.6	20.1
2 21	12 29.82	+ 3 1.1	1.622	2.500	13.0	19.9
3 2	12 23.20	+ 4 14.0	1.578	2.521	8.8	19.7
3 12	12 14.69	+ 5 33.0	1.560	2.541	4.5	19.5
3 22	12 5.29	+ 6 49.6	1.570	2.561	2.9	19.4
4 1	11 56.12	+ 7 55.7	1.608	2.580	6.5	19.7
4 11	11 48.25	+ 8 44.8	1.672	2.599	10.5	20.0
4 21	11 42.42	+ 9 14.0	1.760	2.616	14.1	20.2

163436 2002 RT_{83} 3 21.9 264.°57 0.°5/21.3 17

2 11	12 28.86	− 1 47.7	2.383	3.151	13.0	21.0
2 21	12 25.49	− 1 18.1	2.266	3.129	10.4	20.8
3 2	12 20.14	− 0 35.9	2.172	3.107	7.3	20.6
3 12	12 13.21	+ 0 16.0	2.104	3.085	3.7	20.3
3 22	12 5.30	+ 1 13.2	2.066	3.062	0.6	20.0
4 1	11 57.21	+ 2 10.1	2.057	3.039	4.3	20.3
4 11	11 49.77	+ 3 1.0	2.076	3.015	8.0	20.4
4 21	11 43.68	+ 3 41.4	2.121	2.991	11.5	20.6

378285 2007 EQ_{119} 3 21.9 285.°60 1.°3/20.7 17

2 11	12 28.37	− 0 18.8	1.890	2.678	15.2	21.5
2 21	12 25.50	+ 0 17.4	1.797	2.673	12.0	21.2
3 2	12 20.31	+ 1 7.7	1.726	2.668	8.3	21.0
3 12	12 13.33	+ 2 7.7	1.680	2.662	4.1	20.7
3 22	12 5.30	+ 3 11.1	1.662	2.657	1.4	20.5
4 1	11 57.22	+ 4 10.9	1.672	2.652	5.3	20.8
4 11	11 50.09	+ 5 0.2	1.708	2.647	9.5	21.0
4 21	11 44.67	+ 5 34.6	1.769	2.642	13.2	21.2

426860 2013 WX_4 3 21.9 158.°31 3.°7/17.2 17

2 11	12 29.94	+ 8 46.5	2.560	3.349	11.6	21.4
2 21	12 25.94	+ 9 49.2	2.479	3.356	9.1	21.2
3 2	12 20.16	+10 57.1	2.424	3.363	6.4	21.0
3 12	12 13.08	+12 4.6	2.396	3.369	4.1	20.9
3 22	12 5.31	+13 5.9	2.398	3.374	4.0	20.9
4 1	11 57.60	+13 55.8	2.430	3.379	6.2	21.1
4 11	11 50.66	+14 30.7	2.489	3.384	8.9	21.2
4 21	11 45.04	+14 48.9	2.572	3.387	11.4	21.4

373442 1999 TQ_{332} 3 21.9 92.°92 0.°1/21.8 17

2 11	12 31.14	− 2 10.4	2.032	2.803	14.8	21.2
2 21	12 27.35	− 1 56.5	1.950	2.814	11.8	21.0
3 2	12 21.38	− 1 30.0	1.889	2.824	8.2	20.8
3 12	12 13.78	− 0 54.2	1.854	2.834	4.2	20.6
3 22	12 5.31	− 0 13.5	1.848	2.844	0.1	20.2
4 1	11 56.92	+ 0 26.5	1.870	2.854	4.3	20.6
4 11	11 49.51	+ 1 0.5	1.920	2.864	8.2	20.9
4 21	11 43.77	+ 1 24.7	1.994	2.873	11.7	21.1

119580 2001 VD_{101} 3 21.9 354.°19 8.°1/30.0 18

2 11	12 25.96	−23 0.4	1.684	2.380	20.1	19.2
2 21	12 24.21	−23 35.9	1.590	2.378	17.7	19.0
3 2	12 19.78	−23 42.8	1.513	2.376	14.7	18.8
3 12	12 13.20	−23 17.7	1.455	2.375	11.6	18.6
3 22	12 5.32	−22 20.1	1.419	2.374	8.9	18.4
4 1	11 57.32	−20 54.1	1.408	2.373	8.1	18.4
4 11	11 50.42	−19 9.1	1.422	2.373	9.9	18.5
4 21	11 45.56	−17 16.5	1.461	2.374	12.9	18.7

114893 2003 QR_{20} 3 21.9 167.°28 1.°0/20.9 18

2 11	12 31.09	+ 0 31.6	2.177	2.952	13.8	19.7
2 21	12 27.23	+ 0 51.0	2.086	2.954	10.9	19.5
3 2	12 21.28	+ 1 20.8	2.017	2.955	7.5	19.3
3 12	12 13.74	+ 1 57.4	1.976	2.957	3.8	19.1
3 22	12 5.33	+ 2 36.1	1.962	2.958	1.1	18.9
4 1	11 56.92	+ 3 11.9	1.978	2.958	4.6	19.1
4 11	11 49.39	+ 3 39.8	2.022	2.959	8.3	19.4
4 21	11 43.42	+ 3 56.7	2.091	2.960	11.7	19.6

315472 2007 YC_{10} 3 21.9 45.°45 1.°8/23.3 18

2 11	12 33.06	− 5 46.1	1.578	2.351	18.3	20.8
2 21	12 29.68	− 6 2.3	1.494	2.355	14.9	20.6
3 2	12 23.47	− 6 1.4	1.430	2.359	10.7	20.3
3 12	12 15.03	− 5 44.9	1.389	2.363	6.1	20.1
3 22	12 5.32	− 5 16.4	1.373	2.368	2.0	19.8
4 1	11 55.60	− 4 41.6	1.385	2.372	4.9	20.0
4 11	11 47.14	− 4 7.6	1.423	2.377	9.5	20.3
4 21	11 40.86	− 3 40.5	1.484	2.382	13.8	20.5

76142 2000 ER_{13} 3 21.9 283.°53 1.°4/20.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 28.74	+ 1 0.4	2.104	2.889	14.0	19.3
2 21	12 25.52	+ 1 29.2	2.010	2.884	11.0	19.1
3 2	12 20.18	+ 2 9.2	1.938	2.879	7.6	18.9
3 12	12 13.22	+ 2 56.3	1.892	2.874	3.8	18.6
3 22	12 5.34	+ 3 45.2	1.875	2.869	1.5	18.5
4 1	11 57.41	+ 4 30.2	1.886	2.864	5.0	18.7
4 11	11 50.33	+ 5 5.7	1.924	2.860	8.8	18.9
4 21	11 44.81	+ 5 28.4	1.986	2.855	12.2	19.1

222492 2001 SF_{246} 3 21.9 220.°35 0.°9/20.9 17

2 11	12 32.93	+ 0 0.7	2.408	3.172	13.0	22.6
2 21	12 28.60	+ 0 25.1	2.300	3.161	10.3	22.4
3 2	12 22.22	+ 1 0.1	2.215	3.150	7.2	22.1
3 12	12 14.25	+ 1 42.3	2.157	3.137	3.6	21.9
3 22	12 5.34	+ 2 27.5	2.129	3.124	1.0	21.7
4 1	11 56.31	+ 3 10.6	2.131	3.110	4.4	21.9
4 11	11 48.02	+ 3 46.6	2.162	3.096	8.1	22.1
4 21	11 41.16	+ 4 12.1	2.219	3.081	11.4	22.3

57847 2001 XP_{80} 3 21.9 10.°93 4.°7/16.8 18

2 11	12 24.55	+ 8 17.5	1.827	2.645	14.4	18.6
2 21	12 22.47	+ 9 31.6	1.754	2.647	11.3	18.4
3 2	12 18.17	+10 53.8	1.704	2.651	7.9	18.2
3 12	12 12.20	+12 16.3	1.680	2.655	5.2	18.1
3 22	12 5.35	+13 30.5	1.682	2.660	5.2	18.1
4 1	11 58.57	+14 28.8	1.712	2.665	8.0	18.3
4 11	11 52.79	+15 6.2	1.766	2.672	11.3	18.5
4 21	11 48.68	+15 21.0	1.842	2.679	14.4	18.7

480600 2015 MG_{93} 3 21.9 265.°31 8.°7/ 3.6 17

2 11	12 27.56	−33 54.5	2.833	3.393	15.1	21.7
2 21	12 24.52	−34 31.5	2.712	3.378	13.9	21.5
3 2	12 19.51	−34 46.9	2.605	3.362	12.4	21.4
3 12	12 12.92	−34 37.2	2.518	3.347	10.8	21.2
3 22	12 5.35	−34 0.8	2.454	3.331	9.5	21.1
4 1	11 57.61	−32 58.2	2.414	3.315	8.7	21.0
4 11	11 50.54	−31 33.4	2.399	3.299	9.0	21.0
4 21	11 44.84	−29 52.7	2.411	3.283	10.2	21.0

354824 2005 WK_{135} 3 21.9 134.°56 4.°3/25.5 18

2 11	12 33.74	−13 4.2	1.664	2.401	18.9	21.7
2 21	12 30.13	−13 20.8	1.578	2.409	15.8	21.5
3 2	12 23.74	−13 14.7	1.511	2.417	12.0	21.2
3 12	12 15.16	−12 45.6	1.466	2.425	8.0	21.0
3 22	12 5.34	−11 56.0	1.447	2.432	4.6	20.8
4 1	11 55.51	−10 51.8	1.455	2.438	5.4	20.9
4 11	11 46.91	− 9 41.7	1.489	2.445	9.1	21.1
4 21	11 40.45	− 8 34.5	1.548	2.450	13.1	21.4

53496 2000 AH_{74} 3 21.9 357.°18 0.°4/21.6 18

2 11	12 28.59	− 3 58.9	1.312	2.114	19.9	19.0
2 21	12 26.70	− 3 22.8	1.232	2.113	15.9	18.7
3 2	12 21.72	− 2 23.4	1.170	2.113	11.1	18.5
3 12	12 14.25	− 1 5.1	1.131	2.113	5.7	18.1
3 22	12 5.35	+ 0 23.3	1.116	2.112	0.5	17.8
4 1	11 56.41	+ 1 50.6	1.127	2.113	6.1	18.2
4 11	11 48.86	+ 3 5.6	1.162	2.113	11.6	18.5
4 21	11 43.72	+ 4 0.6	1.219	2.114	16.4	18.7

338172 2002 RV_{112} 3 21.9 100.°24 2.°0/24.1 18

2 11	12 37.90	−12 21.4	1.987	2.704	16.8	21.8
2 21	12 32.44	−11 28.5	1.920	2.744	13.7	21.7
3 2	12 24.70	−10 13.5	1.875	2.784	9.9	21.5
3 12	12 15.36	− 8 39.8	1.855	2.822	5.8	21.4
3 22	12 5.34	− 6 54.0	1.865	2.858	2.2	21.2
4 1	11 55.67	− 5 4.6	1.907	2.893	4.0	21.4
4 11	11 47.28	− 3 20.7	1.979	2.926	7.8	21.7
4 21	11 40.79	− 1 49.4	2.077	2.958	11.2	21.9

1820 Lohmann 3 21.9 242.°46 1.°9/20.2 18 R

2 11	12 32.19	− 0 0.7	1.739	2.525	16.3	17.3
2 21	12 28.94	+ 0 49.6	1.635	2.510	13.0	17.0
3 2	12 23.01	+ 1 57.2	1.552	2.494	9.0	16.7
3 12	12 14.87	+ 3 17.1	1.495	2.477	4.6	16.4
3 22	12 5.34	+ 4 41.5	1.466	2.459	2.1	16.2
4 1	11 55.58	+ 6 1.2	1.464	2.441	6.4	16.5
4 11	11 46.80	+ 7 7.5	1.489	2.422	11.1	16.7
4 21	11 39.97	+ 7 54.6	1.537	2.402	15.3	16.9

134613 1999 TT_{220} 3 21.9 163.°70 1.°8/23.6 18

2 11	12 33.79	− 7 28.5	1.971	2.719	16.0	20.8
2 21	12 29.67	− 7 29.2	1.879	2.724	13.0	20.6
3 2	12 23.15	− 7 13.6	1.807	2.728	9.5	20.4
3 12	12 14.77	− 6 43.1	1.760	2.731	5.5	20.2
3 22	12 5.35	− 6 1.2	1.741	2.734	2.0	19.9
4 1	11 55.90	− 5 13.1	1.751	2.737	4.2	20.1
4 11	11 47.46	− 4 25.4	1.788	2.739	8.2	20.3
4 21	11 40.81	− 3 43.8	1.851	2.740	11.9	20.5

117049 2004 JM_{33} 3 21.9 260°.69 0°.5/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 26.39	− 1 57.9	2.488	3.257	12.5	20.4
2 21	12 23.36	− 1 23.0	2.383	3.247	9.9	20.2
3 2	12 18.54	− 0 35.9	2.301	3.237	6.9	20.0
3 12	12 12.35	+ 0 20.0	2.246	3.226	3.4	19.7
3 22	12 5.37	+ 1 20.3	2.220	3.216	0.6	19.5
4 1	11 58.31	+ 2 19.6	2.223	3.205	4.0	19.7
4 11	11 51.91	+ 3 12.7	2.255	3.194	7.5	19.9
4 21	11 46.78	+ 3 55.3	2.313	3.184	10.6	20.1

331931 2004 SW_{41} 3 21.9 141°.07 2°.2/24.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.27	−11 9.7	2.371	3.098	14.1	21.7
2 21	12 25.62	−10 48.0	2.278	3.108	11.6	21.6
3 2	12 20.07	−10 9.0	2.207	3.118	8.6	21.4
3 12	12 13.10	− 9 14.2	2.162	3.127	5.2	21.2
3 22	12 5.36	− 8 7.3	2.145	3.136	2.4	21.0
4 1	11 57.66	− 6 53.6	2.158	3.144	3.6	21.1
4 11	11 50.77	− 5 39.8	2.200	3.152	6.8	21.3
4 21	11 45.31	− 4 31.5	2.269	3.159	10.0	21.5

314689 2006 RT_5 3 21.9 287°.47 1°.3/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.76	− 6 3.7	1.662	2.436	17.5	21.2
2 21	12 27.26	− 5 58.5	1.551	2.414	14.3	20.9
3 2	12 22.02	− 5 34.2	1.460	2.391	10.4	20.6
3 12	12 14.45	− 4 52.3	1.392	2.369	5.8	20.3
3 22	12 5.35	− 3 56.5	1.350	2.346	1.4	19.9
4 1	11 55.89	− 2 53.8	1.335	2.323	5.0	20.1
4 11	11 47.36	− 1 52.8	1.346	2.300	10.1	20.3
4 21	11 40.82	− 1 1.3	1.381	2.277	14.7	20.5

167009 2003 QV_3 3 21.9 154°.17 0°.2/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 33.38	− 4 11.6	2.025	2.785	15.2	21.6
2 21	12 29.19	− 3 46.7	1.937	2.794	12.2	21.4
3 2	12 22.71	− 3 6.7	1.871	2.802	8.6	21.2
3 12	12 14.50	− 2 14.8	1.831	2.809	4.4	20.9
3 22	12 5.36	− 1 15.9	1.819	2.815	0.2	20.6
4 1	11 56.25	− 0 16.5	1.837	2.821	4.3	21.0
4 11	11 48.14	+ 0 37.0	1.883	2.826	8.4	21.2
4 21	11 41.76	+ 1 19.8	1.954	2.831	12.0	21.4

271134 2003 SL_{78} 3 21.9 248°.00 1°.5/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.00	− 8 30.7	2.502	3.239	13.2	22.1
2 21	12 25.53	− 8 10.1	2.381	3.220	10.9	21.9
3 2	12 20.14	− 7 33.8	2.282	3.200	7.9	21.7
3 12	12 13.22	− 6 43.2	2.210	3.180	4.6	21.4
3 22	12 5.37	− 5 41.6	2.165	3.159	1.6	21.2
4 1	11 57.33	− 4 33.7	2.151	3.138	3.5	21.3
4 11	11 49.92	− 3 25.7	2.167	3.116	7.1	21.5
4 21	11 43.82	− 2 23.2	2.209	3.093	10.5	21.6

201114 2002 HL_{16} 3 21.9 200°.95 0°.1/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.87	− 4 39.2	2.089	2.856	14.6	20.6
2 21	12 24.86	− 4 5.1	1.994	2.855	11.7	20.4
3 2	12 19.75	− 3 15.0	1.921	2.854	8.2	20.2
3 12	12 13.02	− 2 12.2	1.873	2.852	4.3	19.9
3 22	12 5.38	− 1 2.0	1.854	2.851	0.1	19.6
4 1	11 57.71	+ 0 9.1	1.864	2.849	4.2	19.9
4 11	11 50.90	+ 1 14.2	1.902	2.847	8.2	20.1
4 21	11 45.63	+ 2 7.9	1.965	2.845	11.8	20.4

18026 Juliabaldwin 3 21.9 27°.48 2°.5/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.58	− 0 9.1	1.085	1.917	21.2	17.9
2 21	12 24.61	+ 0 45.3	1.027	1.929	16.6	17.7
3 2	12 20.32	+ 2 1.3	0.988	1.941	11.3	17.4
3 12	12 13.49	+ 3 30.2	0.971	1.955	5.6	17.1
3 22	12 5.38	+ 4 59.8	0.976	1.970	2.8	17.0
4 1	11 57.51	+ 6 17.4	1.006	1.987	7.7	17.4
4 11	11 51.32	+ 7 13.0	1.057	2.004	13.0	17.7
4 21	11 47.70	+ 7 42.2	1.129	2.022	17.6	18.0

360281 2000 UN_{76} 3 21.9 175°.89 4°.0/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.76	−18 2.2	1.870	2.580	17.9	20.8
2 21	12 25.95	−17 21.9	1.770	2.582	15.2	20.5
3 2	12 20.71	−16 12.1	1.690	2.584	11.8	20.3
3 12	12 13.58	−14 33.3	1.632	2.584	7.9	20.1
3 22	12 5.38	−12 29.7	1.602	2.585	4.6	19.9
4 1	11 57.16	−10 10.3	1.600	2.585	4.8	19.9
4 11	11 49.96	− 7 46.9	1.628	2.584	8.3	20.1
4 21	11 44.60	− 5 31.2	1.682	2.583	12.2	20.3

247461 2002 GH_{127} 3 21.9 292°.72 1°.6/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.45	− 7 28.5	1.537	2.315	18.5	21.0
2 21	12 26.29	− 7 16.5	1.440	2.304	15.2	20.7
3 2	12 21.33	− 6 42.4	1.363	2.294	11.0	20.5
3 12	12 14.06	− 5 47.7	1.308	2.284	6.2	20.2
3 22	12 5.38	− 4 37.4	1.279	2.274	1.8	19.8
4 1	11 56.50	− 3 19.7	1.276	2.264	5.0	20.0
4 11	11 48.74	− 2 4.6	1.298	2.254	10.1	20.3
4 21	11 43.10	− 1 0.7	1.344	2.244	14.7	20.5

79197 1993 TE_{33} 3 21.9 330°.17 1°.9/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 25.19	− 0 21.6	1.483	2.293	17.6	18.8
2 21	12 23.71	+ 0 26.4	1.393	2.282	14.0	18.5
3 2	12 19.50	+ 1 33.3	1.324	2.271	9.6	18.2
3 12	12 13.10	+ 2 53.7	1.278	2.262	4.8	17.9
3 22	12 5.39	+ 4 18.7	1.258	2.252	2.2	17.7
4 1	11 57.56	+ 5 38.2	1.264	2.244	6.6	18.0
4 11	11 50.86	+ 6 42.5	1.294	2.236	11.6	18.2
4 21	11 46.22	+ 7 25.6	1.346	2.228	15.9	18.5

280133 2002 NG_{53} 3 21.9 205°.78 3°.0/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 33.96	+ 2 48.6	1.642	2.437	16.8	21.6
2 21	12 30.36	+ 3 42.4	1.553	2.433	13.3	21.4
3 2	12 23.96	+ 4 50.9	1.485	2.428	9.2	21.1
3 12	12 15.33	+ 6 7.4	1.442	2.423	4.8	20.8
3 22	12 5.38	+ 7 23.4	1.426	2.417	3.3	20.7
4 1	11 55.36	+ 8 29.5	1.438	2.410	7.2	20.9
4 11	11 46.52	+ 9 18.3	1.476	2.403	11.6	21.2
4 21	11 39.79	+ 9 45.8	1.537	2.395	15.7	21.4

338444 2003 ED_{41} 3 21.9 7°.88 6°.4/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 33.00	+15 9.3	1.640	2.456	15.9	19.8
2 21	12 29.40	+15 35.5	1.571	2.459	12.7	19.6
3 2	12 23.09	+16 0.9	1.523	2.462	9.4	19.4
3 12	12 14.75	+16 18.1	1.499	2.466	6.8	19.3
3 22	12 5.39	+16 20.1	1.502	2.472	6.7	19.3
4 1	11 56.23	+16 2.5	1.530	2.479	9.2	19.4
4 11	11 48.42	+15 23.7	1.583	2.486	12.5	19.6
4 21	11 42.73	+14 25.4	1.657	2.495	15.7	19.8

491663 2012 TE_{298} 3 21.9 99°.10 3°.0/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 34.72	+ 8 32.9	2.375	3.157	12.6	21.6
2 21	12 29.75	+ 8 51.3	2.298	3.170	9.9	21.5
3 2	12 22.81	+ 9 13.3	2.245	3.184	6.9	21.3
3 12	12 14.45	+ 9 34.3	2.220	3.196	4.0	21.1
3 22	12 5.40	+ 9 50.0	2.224	3.209	3.2	21.1
4 1	11 56.49	+ 9 56.6	2.258	3.222	5.6	21.3
4 11	11 48.52	+ 9 51.6	2.320	3.234	8.6	21.5
4 21	11 42.10	+ 9 34.3	2.407	3.246	11.4	21.7

456793 2007 TH_{205} 3 21.9 185°.36 2°.2/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 33.20	+ 2 19.8	1.905	2.690	15.2	22.5
2 21	12 29.27	+ 3 1.5	1.816	2.690	12.0	22.3
3 2	12 22.92	+ 3 55.2	1.749	2.690	8.2	22.0
3 12	12 14.68	+ 4 55.5	1.708	2.689	4.2	21.8
3 22	12 5.40	+ 5 55.8	1.695	2.688	2.4	21.7
4 1	11 56.09	+ 6 49.0	1.711	2.686	5.9	21.9
4 11	11 47.82	+ 7 29.1	1.755	2.683	10.0	22.1
4 21	11 41.38	+ 7 52.6	1.822	2.680	13.6	22.3

96659 1999 JO_7 3 21.9 203°.01 3°.2/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.10	+ 4 30.9	2.089	2.876	13.9	20.3
2 21	12 28.23	+ 5 38.7	1.994	2.871	11.0	20.1
3 2	12 22.13	+ 6 57.8	1.924	2.865	7.6	19.8
3 12	12 14.27	+ 8 22.0	1.880	2.859	4.2	19.6
3 22	12 5.41	+ 9 43.6	1.865	2.851	3.6	19.6
4 1	11 56.48	+10 55.1	1.880	2.843	6.6	19.7
4 11	11 48.45	+11 50.2	1.923	2.834	10.2	19.9
4 21	11 42.06	+12 25.8	1.989	2.824	13.5	20.1

132143 2002 CS_{277} 3 21.9 146°.97 0°.8/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.90	− 2 6.8	1.858	2.633	15.9	21.0
2 21	12 29.01	− 1 26.3	1.775	2.642	12.6	20.8
3 2	12 22.70	− 0 30.2	1.714	2.651	8.7	20.6
3 12	12 14.55	+ 0 36.9	1.678	2.659	4.3	20.3
3 22	12 5.41	+ 1 48.4	1.670	2.666	0.9	20.1
4 1	11 56.33	+ 2 56.9	1.692	2.673	5.1	20.4
4 11	11 48.35	+ 3 55.2	1.741	2.679	9.3	20.7
4 21	11 42.22	+ 4 38.4	1.814	2.685	13.0	20.9

372594 2009 UJ_{139} 3 21.9 167°.60 2°.6/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 35.11	+ 6 16.8	2.342	3.119	12.9	21.4
2 21	12 30.20	+ 6 41.7	2.253	3.124	10.2	21.2
3 2	12 23.24	+ 7 12.4	2.189	3.127	7.0	21.0
3 12	12 14.74	+ 7 44.5	2.152	3.130	3.8	20.8
3 22	12 5.42	+ 8 13.1	2.145	3.133	2.8	20.7
4 1	11 56.14	+ 8 33.7	2.167	3.135	5.5	20.9
4 11	11 47.77	+ 8 43.0	2.219	3.137	8.7	21.1
4 21	11 40.94	+ 8 39.2	2.295	3.138	11.7	21.3

68681 2002 CE_{138} 3 21.9 289°.41 0°.6/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.39	− 3 54.3	1.504	2.298	18.1	19.7
2 21	12 25.46	− 3 9.0	1.411	2.288	14.6	19.5
3 2	12 20.75	− 2 1.2	1.337	2.279	10.2	19.2
3 12	12 13.77	− 0 35.2	1.287	2.269	5.1	18.9
3 22	12 5.42	+ 1 1.0	1.263	2.259	0.7	18.5
4 1	11 56.91	+ 2 36.7	1.265	2.250	5.9	18.8
4 11	11 49.53	+ 4 1.1	1.293	2.240	11.1	19.1
4 21	11 44.27	+ 5 6.2	1.344	2.231	15.7	19.3

6382 1988 *EL* 3 21.9 357°.61 6°.0/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 51.74	− 2 55.7	0.948	1.742	26.4	16.1
2 21	12 47.10	− 5 14.2	0.871	1.741	22.0	15.8
3 2	12 37.32	− 7 28.8	0.810	1.740	16.6	15.4
3 12	12 22.89	− 9 33.8	0.768	1.739	10.5	15.1
3 22	12 5.36	−11 21.5	0.750	1.739	6.1	14.9
4 1	11 47.37	−12 46.2	0.757	1.740	9.0	15.0
4 11	11 31.75	−13 49.0	0.786	1.740	15.0	15.3
4 21	11 20.48	−14 36.1	0.835	1.742	20.7	15.6

387210 2012 TU_{317} 3 21.9 108°.44 2°.7/24.7 17

2 11	12 32.97	− 9 24.3	2.450	3.175	13.8	20.7
2 21	12 28.50	− 9 50.6	2.356	3.183	11.4	20.6
3 2	12 22.08	−10 4.0	2.284	3.192	8.5	20.4
3 12	12 14.16	−10 4.8	2.238	3.200	5.4	20.2
3 22	12 5.42	− 9 54.5	2.220	3.208	2.9	20.1
4 1	11 56.68	− 9 36.2	2.232	3.215	3.8	20.1
4 11	11 48.73	− 9 13.9	2.273	3.223	6.8	20.3
4 21	11 42.23	− 8 51.9	2.341	3.230	9.7	20.5

361177 2006 PC_{16} 3 21.9 232°.34 2°.8/19.1 16

2 11	12 31.50	+ 3 29.6	1.977	2.766	14.5	21.5
2 21	12 27.97	+ 4 23.7	1.877	2.755	11.5	21.3
3 2	12 22.08	+ 5 30.1	1.800	2.743	7.9	21.0
3 12	12 14.31	+ 6 43.0	1.750	2.730	4.2	20.8
3 22	12 5.42	+ 7 55.2	1.728	2.717	3.1	20.7
4 1	11 56.40	+ 8 59.2	1.734	2.703	6.4	20.8
4 11	11 48.28	+ 9 48.2	1.767	2.689	10.4	21.0
4 21	11 41.88	+10 18.8	1.825	2.674	14.0	21.2

125110 2001 UP_{43} 3 21.9 81°.05 2°.1/23.8 18

2 11	12 29.37	− 9 28.1	1.469	2.241	19.5	20.1
2 21	12 26.97	− 9 8.1	1.388	2.247	15.9	19.8
3 2	12 21.71	− 8 22.9	1.325	2.253	11.6	19.6
3 12	12 14.19	− 7 14.7	1.285	2.258	6.7	19.3
3 22	12 5.42	− 5 49.6	1.270	2.264	2.3	19.1
4 1	11 56.67	− 4 17.1	1.282	2.270	5.0	19.2
4 11	11 49.22	− 2 48.2	1.319	2.276	9.9	19.5
4 21	11 43.98	− 1 32.1	1.380	2.281	14.4	19.8

301486 2009 DB_{139} 3 21.9 294°.04 1°.7/20.6 17

2 11	12 38.33	+ 5 35.3	2.271	3.042	13.5	21.5
2 21	12 32.95	+ 5 21.9	2.168	3.033	10.7	21.3
3 2	12 25.30	+ 5 12.5	2.087	3.023	7.4	21.0
3 12	12 15.87	+ 5 4.1	2.034	3.014	3.9	20.8
3 22	12 5.42	+ 4 53.4	2.011	3.004	1.8	20.6
4 1	11 54.89	+ 4 37.3	2.018	2.995	4.9	20.8
4 11	11 45.25	+ 4 13.5	2.055	2.985	8.6	21.0
4 21	11 37.27	+ 3 40.9	2.117	2.976	11.9	21.2

411715 2012 AU_{23} 3 21.9 18°.38 4°.3/18.9 18

2 11	12 31.01	+ 6 37.8	1.284	2.110	18.9	20.3
2 21	12 28.55	+ 7 10.4	1.217	2.114	14.9	20.1
3 2	12 22.91	+ 7 53.1	1.170	2.120	10.3	19.8
3 12	12 14.81	+ 8 37.8	1.145	2.126	5.8	19.6
3 22	12 5.42	+ 9 15.6	1.145	2.133	4.6	19.5
4 1	11 56.20	+ 9 38.3	1.169	2.141	8.4	19.8
4 11	11 48.54	+ 9 40.7	1.217	2.150	13.0	20.0
4 21	11 43.37	+ 9 21.6	1.285	2.160	17.1	20.3

27909 1996 TD_{11} 3 21.9 140°.89 0°.7/20.9 18

2 11	12 28.56	− 0 39.6	2.955	3.714	10.9	19.9
2 21	12 24.59	− 0 5.7	2.867	3.727	8.6	19.7
3 2	12 19.12	+ 0 37.1	2.804	3.738	5.9	19.6
3 12	12 12.56	+ 1 25.5	2.770	3.750	2.9	19.4
3 22	12 5.44	+ 2 15.8	2.765	3.760	0.8	19.2
4 1	11 58.37	+ 3 3.8	2.791	3.771	3.5	19.4
4 11	11 51.95	+ 3 45.6	2.847	3.780	6.4	19.6
4 21	11 46.64	+ 4 18.4	2.930	3.790	9.0	19.8

17873 1998 XO_{96} 3 21.9 292°.23 0°.4/22.2 18

2 11	12 30.72	− 3 37.5	1.451	2.243	18.8	17.7
2 21	12 28.32	− 3 31.2	1.355	2.229	15.2	17.4
3 2	12 22.90	− 3 6.1	1.278	2.216	10.9	17.1
3 12	12 14.96	− 2 24.7	1.223	2.203	5.7	16.8
3 22	12 5.42	− 1 32.4	1.194	2.191	0.4	16.4
4 1	11 55.63	− 0 37.2	1.191	2.178	5.6	16.7
4 11	11 47.03	+ 0 11.9	1.213	2.165	11.0	17.0
4 21	11 40.71	+ 0 47.8	1.256	2.153	15.9	17.2

147323 2003 BG_{15} 3 21.9 73°.37 3°.6/18.9 18

2 11	12 34.68	+ 5 58.2	1.687	2.486	16.3	19.8
2 21	12 30.36	+ 6 45.8	1.631	2.513	12.7	19.6
3 2	12 23.52	+ 7 41.6	1.597	2.541	8.6	19.4
3 12	12 14.87	+ 8 38.4	1.588	2.567	4.8	19.3
3 22	12 5.43	+ 9 28.8	1.607	2.594	3.9	19.3
4 1	11 56.32	+10 6.0	1.654	2.620	7.0	19.5
4 11	11 48.57	+10 26.0	1.726	2.646	10.7	19.8
4 21	11 42.87	+10 27.6	1.822	2.672	13.9	20.0

213630 2002 QR_{73} 3 21.9 265°.01 0°.9/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 33.54	− 0 3.5	1.812	2.593	16.0	21.2
2 21	12 29.94	+ 0 9.4	1.705	2.576	12.8	21.0
3 2	12 23.69	+ 0 35.4	1.619	2.557	9.0	20.7
3 12	12 15.25	+ 1 10.9	1.557	2.538	4.6	20.4
3 22	12 5.43	+ 1 51.0	1.523	2.519	1.0	20.1
4 1	11 55.34	+ 2 29.3	1.517	2.500	5.4	20.3
4 11	11 46.19	+ 2 59.3	1.538	2.480	10.1	20.6
4 21	11 38.94	+ 3 16.6	1.583	2.460	14.3	20.8

68661 2002 CR_{93} 3 21.9 299°.81 2°.1/20.3 18

2 11	12 30.13	+ 1 1.9	1.470	2.276	17.9	20.0
2 21	12 27.70	+ 1 35.3	1.381	2.267	14.3	19.7
3 2	12 22.34	+ 2 24.9	1.312	2.258	9.9	19.4
3 12	12 14.60	+ 3 25.2	1.266	2.249	5.0	19.1
3 22	12 5.43	+ 4 28.5	1.246	2.241	2.3	18.9
4 1	11 56.14	+ 5 25.4	1.253	2.232	6.7	19.1
4 11	11 48.06	+ 6 7.9	1.283	2.224	11.7	19.4
4 21	11 42.22	+ 6 30.9	1.336	2.216	16.2	19.6

101367 1998 UB_1 3 21.9 190°.20 0°.1/22.0 18

2 11	12 29.40	− 3 28.8	2.721	3.472	11.9	21.7
2 21	12 25.51	− 3 3.5	2.619	3.471	9.5	21.5
3 2	12 19.91	− 2 27.0	2.540	3.469	6.7	21.3
3 12	12 13.04	− 1 41.8	2.489	3.467	3.4	21.1
3 22	12 5.45	− 0 51.6	2.467	3.464	0.1	20.8
4 1	11 57.82	− 0 0.9	2.477	3.460	3.4	21.1
4 11	11 50.85	+ 0 45.7	2.515	3.456	6.7	21.3
4 21	11 45.09	+ 1 24.4	2.581	3.452	9.6	21.5

196591 2003 QL_{56} 3 21.9 214°.51 2°.4/18.9 17

2 11	12 28.10	+ 2 59.9	2.358	3.142	12.6	20.8
2 21	12 24.80	+ 4 0.4	2.261	3.137	9.9	20.6
3 2	12 19.60	+ 5 11.5	2.189	3.131	6.8	20.4
3 12	12 12.94	+ 6 28.2	2.144	3.124	3.6	20.2
3 22	12 5.45	+ 7 44.4	2.128	3.117	2.7	20.1
4 1	11 57.91	+ 8 53.4	2.142	3.110	5.5	20.3
4 11	11 51.11	+ 9 49.7	2.184	3.102	8.8	20.5
4 21	11 45.69	+10 30.1	2.250	3.094	11.9	20.6

166876 2002 XS_{60} 3 21.9 89°.38 1°.7/20.0 18

2 11	12 28.44	+ 2 10.1	2.240	3.024	13.2	20.4
2 21	12 25.07	+ 2 46.2	2.155	3.030	10.4	20.2
3 2	12 19.75	+ 3 32.0	2.094	3.035	7.1	20.0
3 12	12 12.98	+ 4 23.1	2.059	3.040	3.6	19.8
3 22	12 5.45	+ 5 14.2	2.053	3.045	1.9	19.7
4 1	11 57.95	+ 5 59.7	2.075	3.051	4.9	19.9
4 11	11 51.29	+ 6 34.9	2.126	3.056	8.4	20.1
4 21	11 46.09	+ 6 56.8	2.201	3.061	11.5	20.3

83114 2001 QT_{242} 3 21.9 226°.59 1°.4/20.5 17

2 11	12 29.83	− 0 9.1	2.006	2.788	14.6	20.5
2 21	12 26.56	+ 0 33.8	1.909	2.781	11.6	20.2
3 2	12 21.04	+ 1 30.6	1.834	2.774	8.0	20.0
3 12	12 13.76	+ 2 36.8	1.785	2.766	4.0	19.7
3 22	12 5.45	+ 3 46.2	1.764	2.759	1.6	19.5
4 1	11 57.06	+ 4 51.7	1.772	2.751	5.3	19.8
4 11	11 49.56	+ 5 46.5	1.808	2.742	9.3	20.0
4 21	11 43.70	+ 6 26.2	1.867	2.733	13.0	20.2

85524 1997 WZ_8 3 21.9 189°.52 1°.9/23.9 18

2 11	12 30.58	− 8 31.0	2.013	2.762	15.7	20.2
2 21	12 27.15	− 8 24.5	1.916	2.761	12.8	20.0
3 2	12 21.45	− 8 0.5	1.840	2.760	9.4	19.8
3 12	12 13.96	− 7 20.6	1.789	2.759	5.5	19.5
3 22	12 5.46	− 6 28.3	1.765	2.758	2.1	19.3
4 1	11 56.89	− 5 29.2	1.770	2.757	4.1	19.4
4 11	11 49.24	− 4 30.2	1.802	2.755	8.0	19.6
4 21	11 43.27	− 3 37.4	1.860	2.752	11.7	19.9

40716 1999 *SL* 3 21.9 114°.72 2°.0/19.8 18

2 11	12 33.27	+ 4 2.1	2.338	3.115	13.0	18.7
2 21	12 28.64	+ 4 32.0	2.263	3.133	10.1	18.5
3 2	12 22.08	+ 5 9.1	2.212	3.150	6.9	18.3
3 12	12 14.12	+ 5 49.1	2.188	3.167	3.6	18.1
3 22	12 5.47	+ 6 27.1	2.193	3.184	2.2	18.1
4 1	11 56.96	+ 6 58.5	2.228	3.200	5.0	18.3
4 11	11 49.37	+ 7 19.5	2.292	3.216	8.2	18.5
4 21	11 43.30	+ 7 28.1	2.381	3.231	11.1	18.7

148588 2001 RW_7 3 21.9 152°.21 1°.4/23.5 16

2 11	12 31.95	− 7 41.9	2.364	3.102	13.9	21.8
2 21	12 27.74	− 7 26.0	2.272	3.111	11.3	21.6
3 2	12 21.57	− 6 55.2	2.201	3.120	8.1	21.5
3 12	12 13.92	− 6 11.6	2.157	3.129	4.6	21.2
3 22	12 5.47	− 5 18.7	2.142	3.136	1.5	21.0
4 1	11 57.05	− 4 21.5	2.157	3.143	3.6	21.2
4 11	11 49.46	− 3 25.8	2.201	3.150	7.1	21.4
4 21	11 43.34	− 2 36.6	2.272	3.155	10.3	21.6

173331 1999 VS_{187} 3 21.9 63°.71 7°.6/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 35.13	+15 14.1	1.492	2.311	17.1	19.6
2 21	12 31.27	+16 22.5	1.436	2.325	13.6	19.4
3 2	12 24.46	+17 31.7	1.402	2.339	10.2	19.2
3 12	12 15.47	+18 31.2	1.391	2.353	7.9	19.1
3 22	12 5.46	+19 11.5	1.405	2.367	8.2	19.2
4 1	11 55.78	+19 26.2	1.445	2.382	10.8	19.4
4 11	11 47.64	+19 13.3	1.509	2.396	14.1	19.6
4 21	11 41.87	+18 35.1	1.592	2.411	17.1	19.8

324488 2006 UD_{179} 3 21.9 103°.67 3°.1/24.5 18

2 11	12 36.68	− 9 9.3	1.889	2.627	16.9	20.4
2 21	12 32.00	− 9 38.9	1.807	2.642	13.9	20.2
3 2	12 24.79	− 9 52.2	1.745	2.657	10.3	20.0
3 12	12 15.65	− 9 49.5	1.707	2.671	6.4	19.8
3 22	12 5.47	− 9 32.9	1.697	2.685	3.3	19.6
4 1	11 55.36	− 9 6.3	1.715	2.699	4.6	19.7
4 11	11 46.40	− 8 35.7	1.761	2.713	8.2	20.0
4 21	11 39.40	− 8 6.8	1.832	2.726	11.8	20.2

6803 1995 UK_{7} 3 21.9 170°.97 3°.4/17.9 18

2 11	12 31.50	+ 8 5.4	2.507	3.293	11.9	18.8
2 21	12 27.26	+ 8 55.6	2.422	3.297	9.4	18.6
3 2	12 21.16	+ 9 51.2	2.361	3.300	6.5	18.5
3 12	12 13.69	+10 47.0	2.328	3.303	4.0	18.3
3 22	12 5.48	+11 37.6	2.324	3.305	3.7	18.3
4 1	11 57.31	+12 17.9	2.350	3.306	6.0	18.4
4 11	11 49.93	+12 44.3	2.404	3.307	8.8	18.6
4 21	11 43.93	+12 55.1	2.483	3.308	11.5	18.8

94535 2001 UA_{157} 3 21.9 203°.24 0°.7/21.3 18

2 11	12 32.82	− 2 8.5	1.795	2.571	16.3	21.5
2 21	12 29.23	− 1 34.0	1.700	2.568	13.0	21.3
3 2	12 23.07	− 0 43.2	1.627	2.564	9.1	21.0
3 12	12 14.87	+ 0 20.0	1.578	2.559	4.6	20.7
3 22	12 5.48	+ 1 29.2	1.558	2.554	0.8	20.4
4 1	11 56.00	+ 2 36.7	1.565	2.548	5.3	20.7
4 11	11 47.56	+ 3 34.7	1.600	2.541	9.8	21.0
4 21	11 41.04	+ 4 17.7	1.659	2.534	13.9	21.2

248940 2006 WB_{109} 3 21.9 173°.88 2°.7/18.6 17

2 11	12 28.00	+ 6 18.4	2.655	3.442	11.3	21.3
2 21	12 24.42	+ 7 0.9	2.567	3.443	8.8	21.1
3 2	12 19.16	+ 7 49.4	2.503	3.444	6.1	21.0
3 12	12 12.66	+ 8 39.4	2.467	3.445	3.5	20.8
3 22	12 5.50	+ 9 26.3	2.460	3.445	2.9	20.7
4 1	11 58.34	+10 5.3	2.482	3.446	5.2	20.9
4 11	11 51.88	+10 32.8	2.533	3.446	8.0	21.1
4 21	11 46.65	+10 47.0	2.608	3.446	10.6	21.2

298766 2004 LW_{16} 3 21.9 266°.93 2°.5/20.0 17

2 11	12 33.81	+ 2 10.1	1.623	2.417	17.0	21.9
2 21	12 30.60	+ 2 45.8	1.515	2.394	13.6	21.6
3 2	12 24.45	+ 3 36.5	1.427	2.370	9.5	21.3
3 12	12 15.79	+ 4 37.3	1.364	2.346	4.9	20.9
3 22	12 5.48	+ 5 40.6	1.328	2.321	2.7	20.7
4 1	11 54.78	+ 6 37.6	1.319	2.296	7.0	20.9
4 11	11 45.08	+ 7 20.1	1.336	2.269	12.0	21.1
4 21	11 37.51	+ 7 43.0	1.375	2.243	16.6	21.3

333411 2002 VW_{109} 3 21.9 131°.24 0°.1/22.1 17

2 11	12 29.80	− 3 28.2	3.069	3.813	10.9	22.3
2 21	12 25.48	− 3 3.6	2.983	3.831	8.6	22.2
3 2	12 19.70	− 2 29.4	2.922	3.849	6.0	22.0
3 12	12 12.87	− 1 48.3	2.888	3.865	3.1	21.9
3 22	12 5.51	− 1 3.3	2.885	3.881	0.1	21.6
4 1	11 58.22	− 0 18.4	2.913	3.897	3.0	21.9
4 11	11 51.57	+ 0 22.6	2.972	3.912	5.8	22.1
4 21	11 46.03	+ 0 56.9	3.057	3.926	8.4	22.3

94382 2001 SC_{71} 3 21.9 103°.64 3°.9/18.7 18

2 11	12 34.27	+ 5 14.6	1.563	2.366	17.1	19.8
2 21	12 30.45	+ 6 13.9	1.497	2.382	13.4	19.6
3 2	12 23.86	+ 7 24.4	1.452	2.397	9.2	19.4
3 12	12 15.19	+ 8 37.8	1.433	2.412	5.2	19.2
3 22	12 5.50	+ 9 45.2	1.440	2.427	4.2	19.2
4 1	11 56.01	+10 38.1	1.474	2.441	7.7	19.4
4 11	11 47.92	+11 10.9	1.534	2.454	11.7	19.7
4 21	11 42.02	+11 21.8	1.616	2.468	15.3	19.9

138685 2000 SM_{45} 3 21.9 171°.53 7°.9/ 1.4 18

2 11	12 31.30	−29 31.9	2.829	3.417	14.6	20.1
2 21	12 27.34	−30 26.3	2.724	3.419	13.2	20.0
3 2	12 21.41	−31 1.6	2.636	3.421	11.6	19.9
3 12	12 13.92	−31 15.0	2.570	3.422	9.9	19.8
3 22	12 5.51	−31 5.0	2.527	3.423	8.5	19.7
4 1	11 56.95	−30 32.4	2.510	3.424	7.9	19.6
4 11	11 49.09	−29 40.9	2.520	3.425	8.4	19.7
4 21	11 42.61	−28 36.3	2.555	3.425	9.8	19.7

29515 1997 YL_{7} 3 21.9 43°.59 10°.8/12.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 32.99	+22 9.1	1.406	2.233	17.5	16.4
2 21	12 29.72	+23 52.6	1.370	2.255	14.5	16.3
3 2	12 23.40	+25 28.3	1.356	2.277	12.0	16.2
3 12	12 14.91	+26 43.5	1.364	2.299	10.9	16.2
3 22	12 5.51	+27 28.3	1.396	2.323	11.7	16.3
4 1	11 56.59	+27 37.7	1.450	2.346	13.8	16.4
4 11	11 49.37	+27 12.4	1.525	2.370	16.3	16.7
4 21	11 44.58	+26 17.3	1.619	2.395	18.7	16.9

500604 2012 UG_{123} 3 21.9 106°.60 3°.2/25.8 17

2 11	12 27.45	−13 32.5	2.466	3.182	13.9	21.6
2 21	12 24.22	−13 30.8	2.371	3.189	11.6	21.4
3 2	12 19.15	−13 12.2	2.297	3.195	8.8	21.2
3 12	12 12.72	−12 37.2	2.247	3.202	5.9	21.1
3 22	12 5.53	−11 48.3	2.225	3.209	3.5	20.9
4 1	11 58.34	−10 49.7	2.232	3.215	3.9	20.9
4 11	11 51.90	− 9 47.1	2.268	3.222	6.5	21.1
4 21	11 46.79	− 8 46.2	2.330	3.228	9.5	21.3

96907 1999 TC_{99} 3 21.9 129°.18 1°.5/20.1 18

2 11	12 28.04	− 0 34.3	2.250	3.027	13.4	19.8
2 21	12 24.75	+ 0 28.9	2.167	3.037	10.5	19.7
3 2	12 19.53	+ 1 45.1	2.107	3.047	7.1	19.5
3 12	12 12.90	+ 3 9.2	2.075	3.056	3.5	19.2
3 22	12 5.53	+ 4 34.8	2.071	3.065	1.7	19.1
4 1	11 58.21	+ 5 55.0	2.098	3.074	4.9	19.4
4 11	11 51.72	+ 7 3.5	2.153	3.082	8.4	19.6
4 21	11 46.68	+ 7 56.5	2.234	3.090	11.5	19.8

93558 2000 UJ_{36} 3 21.9 204°.40 0°.2/22.2 18

2 11	12 30.75	− 3 29.9	2.093	2.859	14.6	20.5
2 21	12 27.17	− 3 14.5	1.997	2.857	11.7	20.3
3 2	12 21.41	− 2 45.3	1.922	2.854	8.3	20.1
3 12	12 13.95	− 2 5.2	1.873	2.852	4.3	19.8
3 22	12 5.53	− 1 18.4	1.852	2.849	0.2	19.5
4 1	11 57.04	− 0 30.5	1.861	2.846	4.2	19.8
4 11	11 49.44	+ 0 12.7	1.897	2.842	8.2	20.0
4 21	11 43.44	+ 0 46.5	1.958	2.839	11.8	20.2

360023 2013 AQ_{20} 3 21.9 244°.81 1°.6/23.6 18

2 11	12 34.35	− 6 47.4	2.597	3.327	13.0	21.3
2 21	12 29.73	− 6 56.8	2.473	3.307	10.6	21.1
3 2	12 23.09	− 6 54.5	2.371	3.286	7.8	20.9
3 12	12 14.82	− 6 41.4	2.296	3.265	4.6	20.7
3 22	12 5.53	− 6 19.4	2.250	3.243	1.8	20.4
4 1	11 55.99	− 5 51.7	2.235	3.220	3.6	20.5
4 11	11 47.07	− 5 22.5	2.250	3.197	7.0	20.7
4 21	11 39.47	− 4 56.1	2.292	3.173	10.3	20.9

184160 2004 LW_{1} 3 21.9 236°.59 2°.0/24.3 18

2 11	12 28.61	−10 53.3	2.250	2.984	14.6	20.7
2 21	12 25.47	−10 23.7	2.136	2.971	12.1	20.4
3 2	12 20.25	− 9 34.4	2.043	2.957	8.9	20.2
3 12	12 13.39	− 8 26.7	1.976	2.943	5.4	20.0
3 22	12 5.53	− 7 4.5	1.936	2.928	2.2	19.7
4 1	11 57.52	− 5 33.9	1.926	2.913	3.8	19.8
4 11	11 50.24	− 4 2.6	1.946	2.897	7.6	20.0
4 21	11 44.42	− 2 38.0	1.991	2.881	11.2	20.2

391371 2006 VM_{170} 3 21.9 61°.19 1°.1/20.7 17

2 11	12 28.03	+ 0 40.7	2.355	3.133	12.8	21.7
2 21	12 24.66	+ 1 6.5	2.269	3.139	10.1	21.5
3 2	12 19.44	+ 1 42.0	2.205	3.144	6.9	21.3
3 12	12 12.85	+ 2 23.6	2.169	3.150	3.4	21.1
3 22	12 5.53	+ 3 6.6	2.160	3.155	1.2	20.9
4 1	11 58.24	+ 3 46.4	2.182	3.161	4.3	21.2
4 11	11 51.74	+ 4 18.3	2.231	3.167	7.7	21.4
4 21	11 46.61	+ 4 39.3	2.305	3.173	10.8	21.6

263791 2008 QY_{3} 3 21.9 283°.61 2°.8/19.0 17

2 11	12 27.65	+ 2 58.5	1.880	2.679	14.8	20.5
2 21	12 25.06	+ 3 56.1	1.783	2.666	11.7	20.3
3 2	12 20.15	+ 5 7.2	1.708	2.653	8.0	20.0
3 12	12 13.39	+ 6 25.9	1.659	2.640	4.3	19.8
3 22	12 5.53	+ 7 44.4	1.638	2.628	3.2	19.7
4 1	11 57.55	+ 8 54.6	1.644	2.615	6.6	19.9
4 11	11 50.47	+ 9 49.4	1.677	2.602	10.6	20.1
4 21	11 45.09	+10 24.7	1.733	2.589	14.2	20.3

324060 2005 VC_{61} 3 21.9 166°.76 0°.2/21.7 17

2 11	12 29.22	− 3 54.4	2.138	2.904	14.3	21.3
2 21	12 25.86	− 3 11.9	2.046	2.907	11.4	21.1
3 2	12 20.42	− 2 13.8	1.976	2.910	8.0	20.9
3 12	12 13.41	− 1 4.0	1.933	2.912	4.0	20.6
3 22	12 5.53	+ 0 11.9	1.918	2.915	0.3	20.3
4 1	11 57.64	+ 1 27.1	1.933	2.916	4.3	20.6
4 11	11 50.62	+ 2 34.9	1.976	2.918	8.2	20.9
4 21	11 45.14	+ 3 30.1	2.044	2.918	11.7	21.1

138937 2001 BK_{16} 3 21.9 172°.21 10°.7/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 46.36	+37 22.9	2.716	3.454	12.3	23.1
2 21	12 39.32	+39 29.8	2.673	3.462	11.2	23.0
3 2	12 29.71	+41 23.6	2.654	3.468	10.7	23.0
3 12	12 18.13	+42 55.1	2.662	3.473	10.8	23.0
3 22	12 5.52	+43 57.4	2.695	3.476	11.6	23.1
4 1	11 53.00	+44 27.1	2.752	3.478	12.8	23.2
4 11	11 41.68	+44 24.8	2.830	3.477	14.0	23.3
4 21	11 32.39	+43 54.6	2.924	3.476	15.1	23.4

279522 2011 BG_{27} 3 21.9 74°.31 1°.5/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.05	− 6 20.8	1.785	2.549	16.9	21.5
2 21	12 28.42	− 6 19.1	1.709	2.564	13.6	21.3
3 2	12 22.34	− 6 0.6	1.653	2.580	9.7	21.1
3 12	12 14.41	− 5 27.5	1.621	2.595	5.4	20.9
3 22	12 5.53	− 4 44.1	1.616	2.611	1.6	20.6
4 1	11 56.77	− 3 56.5	1.639	2.626	4.3	20.9
4 11	11 49.15	− 3 11.5	1.689	2.642	8.5	21.1
4 21	11 43.44	− 2 34.4	1.764	2.657	12.2	21.4

135444 2001 VJ_{9} 3 21.9 94°.44 0°.1/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.75	− 2 39.6	2.485	3.247	12.7	20.7
2 21	12 25.05	− 2 15.0	2.404	3.263	10.0	20.5
3 2	12 19.61	− 1 39.2	2.347	3.279	6.9	20.3
3 12	12 12.90	− 0 55.5	2.316	3.295	3.5	20.2
3 22	12 5.55	− 0 7.9	2.314	3.311	0.1	19.9
4 1	11 58.28	+ 0 38.8	2.342	3.326	3.6	20.2
4 11	11 51.79	+ 1 20.1	2.399	3.341	6.9	20.4
4 21	11 46.63	+ 1 52.5	2.482	3.356	9.9	20.6

109324 2001 QA_{140} 3 21.9 140°.55 1°.4/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 35.83	− 5 27.7	2.224	2.967	14.5	19.0
2 21	12 30.94	− 5 37.8	2.134	2.977	11.8	18.8
3 2	12 23.87	− 5 35.3	2.066	2.987	8.4	18.6
3 12	12 15.15	− 5 21.9	2.024	2.997	4.7	18.4
3 22	12 5.55	− 5 0.1	2.011	3.006	1.5	18.2
4 1	11 55.97	− 4 34.2	2.028	3.014	3.8	18.4
4 11	11 47.34	− 4 8.7	2.074	3.022	7.5	18.6
4 21	11 40.34	− 3 47.8	2.147	3.029	10.8	18.8

241680 2000 QZ_{210} 3 21.9 217°.33 0°.8/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 33.22	− 1 47.2	2.021	2.789	15.0	22.2
2 21	12 29.31	− 1 13.0	1.917	2.780	12.0	22.0
3 2	12 23.02	− 0 24.1	1.835	2.770	8.3	21.7
3 12	12 14.85	+ 0 35.8	1.779	2.760	4.2	21.4
3 22	12 5.55	+ 1 41.3	1.752	2.748	0.8	21.2
4 1	11 56.10	+ 2 45.3	1.754	2.736	4.9	21.4
4 11	11 47.54	+ 3 41.0	1.785	2.723	9.2	21.6
4 21	11 40.68	+ 4 23.4	1.840	2.709	13.0	21.8

37735 Riccardomuti 3 21.9 232°.82 0°.1/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 34.91	− 2 48.1	2.059	2.819	15.0	19.4
2 21	12 30.68	− 2 35.4	1.948	2.805	12.1	19.1
3 2	12 24.03	− 2 9.1	1.858	2.789	8.6	18.9
3 12	12 15.40	− 1 31.7	1.795	2.773	4.5	18.6
3 22	12 5.55	− 0 47.3	1.760	2.757	0.1	18.2
4 1	11 55.47	− 0 1.6	1.755	2.739	4.5	18.5
4 11	11 46.24	+ 0 39.4	1.778	2.720	8.9	18.7
4 21	11 38.71	+ 1 10.5	1.826	2.701	12.8	18.9

379788 2011 HP_{69} 3 21.9 84°.63 2°.3/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 28.65	+ 2 33.8	1.978	2.770	14.4	21.0
2 21	12 25.56	+ 3 22.3	1.895	2.775	11.3	20.8
3 2	12 20.28	+ 4 22.3	1.836	2.779	7.7	20.6
3 12	12 13.36	+ 5 28.1	1.802	2.783	4.0	20.4
3 22	12 5.56	+ 6 33.1	1.796	2.788	2.6	20.3
4 1	11 57.79	+ 7 30.3	1.819	2.792	5.8	20.5
4 11	11 50.98	+ 8 14.2	1.868	2.796	9.5	20.7
4 21	11 45.80	+ 8 41.4	1.941	2.800	12.8	20.9

101071 1998 RE_{17} 3 21.9 238°.63 0°.2/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.83	− 4 35.5	2.023	2.786	15.1	20.4
2 21	12 27.46	− 4 7.3	1.915	2.773	12.2	20.2
3 2	12 21.78	− 3 22.3	1.828	2.760	8.6	19.9
3 12	12 14.24	− 2 23.6	1.767	2.745	4.5	19.6
3 22	12 5.56	− 1 15.8	1.734	2.731	0.2	19.2
4 1	11 56.70	− 0 5.8	1.730	2.715	4.5	19.6
4 11	11 48.67	+ 0 59.0	1.754	2.699	8.8	19.8
4 21	11 42.30	+ 1 52.7	1.803	2.683	12.7	20.0

322884 2001 XG_{36} 3 21.9 250°.46 4°.0/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 33.09	+ 8 30.0	2.069	2.863	13.8	20.5
2 21	12 29.16	+ 9 13.8	1.970	2.849	11.0	20.2
3 2	12 22.89	+10 4.5	1.893	2.834	7.7	20.0
3 12	12 14.77	+10 56.0	1.843	2.818	4.8	19.8
3 22	12 5.56	+11 41.7	1.821	2.803	4.3	19.7
4 1	11 56.21	+12 15.3	1.828	2.787	7.1	19.9
4 11	11 47.76	+12 32.3	1.861	2.770	10.7	20.0
4 21	11 41.00	+12 30.7	1.918	2.753	14.0	20.2

216306 2007 TZ_{56} 3 21.9 186°.26 0°.1/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 29.09	− 2 28.7	2.518	3.279	12.5	21.6
2 21	12 25.43	− 2 6.9	2.421	3.279	10.0	21.4
3 2	12 19.97	− 1 34.0	2.346	3.278	7.0	21.2
3 12	12 13.14	− 0 52.7	2.299	3.278	3.5	21.0
3 22	12 5.56	− 0 6.9	2.280	3.277	0.2	20.7
4 1	11 57.96	+ 0 38.6	2.292	3.275	3.7	21.0
4 11	11 51.07	+ 1 19.3	2.332	3.274	7.1	21.2
4 21	11 45.48	+ 1 51.3	2.398	3.272	10.2	21.4

473167 2015 KE_{32} 3 21.9 23°.13 2°.8/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.83	−11 10.4	2.133	2.872	15.2	21.3
2 21	12 24.05	−11 9.8	2.039	2.875	12.5	21.1
3 2	12 19.23	−10 51.4	1.967	2.878	9.4	20.9
3 12	12 12.83	−10 16.1	1.918	2.882	5.9	20.7
3 22	12 5.56	− 9 27.0	1.897	2.885	3.0	20.5
4 1	11 58.27	− 8 28.9	1.903	2.889	4.0	20.6
4 11	11 51.82	− 7 28.3	1.938	2.893	7.3	20.8
4 21	11 46.88	− 6 31.4	1.998	2.898	10.7	21.0

338787 2003 UO_{306} 3 21.9 300°.15 0°.8/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 34.10	+ 1 23.7	1.887	2.669	15.4	20.7
2 21	12 30.28	+ 1 15.7	1.780	2.651	12.4	20.4
3 2	12 23.88	+ 1 16.8	1.695	2.633	8.7	20.1
3 12	12 15.38	+ 1 24.1	1.634	2.615	4.4	19.8
3 22	12 5.56	+ 1 33.8	1.602	2.598	0.8	19.5
4 1	11 55.51	+ 1 41.3	1.597	2.580	5.1	19.8
4 11	11 46.38	+ 1 42.1	1.620	2.563	9.5	20.0
4 21	11 39.09	+ 1 33.1	1.667	2.546	13.6	20.2

464644 2000 RO_{38} 3 21.9 255°.65 1°.4/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 36.56	− 6 9.1	2.613	3.340	13.0	22.3
2 21	12 31.56	− 6 16.4	2.478	3.311	10.7	22.0
3 2	12 24.45	− 6 12.3	2.366	3.282	7.8	21.8
3 12	12 15.59	− 5 57.6	2.281	3.252	4.5	21.5
3 22	12 5.57	− 5 34.3	2.226	3.220	1.5	21.3
4 1	11 55.21	− 5 5.4	2.203	3.188	3.6	21.4
4 11	11 45.40	− 4 35.5	2.209	3.154	7.3	21.5
4 21	11 36.91	− 4 8.7	2.244	3.119	10.7	21.7

125909 2001 XM_{221} 3 21.9 257°.48 2°.3/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.53	+ 3 4.3	1.932	2.722	14.8	20.2
2 21	12 28.07	+ 3 36.8	1.833	2.710	11.8	20.0
3 2	12 22.22	+ 4 20.3	1.757	2.699	8.1	19.7
3 12	12 14.46	+ 5 10.0	1.706	2.687	4.2	19.5
3 22	12 5.57	+ 5 59.7	1.682	2.675	2.5	19.3
4 1	11 56.55	+ 6 42.8	1.688	2.662	5.9	19.5
4 11	11 48.46	+ 7 13.6	1.719	2.650	10.0	19.7
4 21	11 42.12	+ 7 28.6	1.775	2.637	13.7	19.9

362018 2008 YY_{12} 3 21.9 19°.74 9°.7/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.41	+14 8.1	1.117	1.968	19.4	20.0
2 21	12 25.38	+16 4.1	1.066	1.974	15.5	19.8
3 2	12 20.96	+18 5.2	1.035	1.981	11.8	19.6
3 12	12 13.93	+19 55.6	1.025	1.989	9.8	19.5
3 22	12 5.57	+21 20.3	1.039	1.998	10.7	19.6
4 1	11 57.47	+22 8.6	1.074	2.008	13.9	19.8
4 11	11 51.08	+22 16.8	1.129	2.019	17.5	20.0
4 21	11 47.32	+21 48.2	1.201	2.031	20.9	20.3

129476 1993 TN_{20} 3 21.9 163°.78 2°.2/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 36.16	+ 3 17.5	1.846	2.629	15.6	20.6
2 21	12 31.68	+ 3 45.6	1.761	2.634	12.4	20.4
3 2	12 24.64	+ 4 23.9	1.698	2.638	8.5	20.1
3 12	12 15.64	+ 5 7.3	1.662	2.642	4.4	19.9
3 22	12 5.57	+ 5 49.7	1.653	2.645	2.4	19.8
4 1	11 55.55	+ 6 24.7	1.673	2.648	6.0	20.0
4 11	11 46.66	+ 6 47.2	1.720	2.650	10.0	20.2
4 21	11 39.73	+ 6 54.3	1.791	2.651	13.7	20.5

467626 2008 GR_{136} 3 21.9 280°.12 2°.4/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 27.94	−11 20.0	1.964	2.707	16.2	22.3
2 21	12 25.45	−10 57.8	1.840	2.680	13.5	22.0
3 2	12 20.59	−10 12.9	1.736	2.652	10.1	21.8
3 12	12 13.74	− 9 5.7	1.656	2.624	6.2	21.5
3 22	12 5.58	− 7 39.5	1.603	2.595	2.7	21.2
4 1	11 57.07	− 6 0.8	1.578	2.566	4.4	21.2
4 11	11 49.30	− 4 19.0	1.581	2.536	8.7	21.4
4 21	11 43.17	− 2 43.3	1.610	2.506	13.0	21.6

12167 Olivermüller 3 21.9 241°.79 1°.8/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 35.80	+ 2 35.4	1.976	2.754	15.0	18.7
2 21	12 31.48	+ 2 54.6	1.869	2.739	11.9	18.5
3 2	12 24.63	+ 3 24.0	1.785	2.723	8.3	18.2
3 12	12 15.74	+ 3 59.6	1.726	2.707	4.2	17.9
3 22	12 5.58	+ 4 36.1	1.696	2.690	1.9	17.7
4 1	11 55.21	+ 5 7.6	1.695	2.672	5.6	17.9
4 11	11 45.75	+ 5 28.6	1.721	2.654	9.9	18.1
4 21	11 38.10	+ 5 36.0	1.772	2.635	13.7	18.3

508258 2015 HG_{87} 3 21.9 329°.15 5°.5/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 29.63	+12 27.6	1.887	2.699	14.3	20.6
2 21	12 26.61	+13 15.0	1.800	2.687	11.4	20.4
3 2	12 21.20	+14 6.1	1.735	2.676	8.3	20.2
3 12	12 13.92	+14 53.7	1.696	2.665	5.9	20.0
3 22	12 5.59	+15 30.5	1.683	2.655	6.0	20.0
4 1	11 57.22	+15 50.2	1.697	2.645	8.6	20.1
4 11	11 49.85	+15 49.3	1.736	2.636	11.8	20.3
4 21	11 44.26	+15 27.1	1.797	2.627	15.0	20.5

70483 1999 TD_{46} 3 21.9 57°.01 1°.2/21.1 18

2 11	12 32.99	− 0 1.6	1.434	2.233	18.6	19.3
2 21	12 29.71	+ 0 18.3	1.367	2.248	14.7	19.1
3 2	12 23.50	+ 0 53.2	1.321	2.264	10.1	18.8
3 12	12 15.10	+ 1 38.1	1.298	2.280	5.0	18.6
3 22	12 5.59	+ 2 25.6	1.301	2.296	1.3	18.4
4 1	11 56.29	+ 3 8.1	1.330	2.313	5.9	18.7
4 11	11 48.46	+ 3 38.8	1.385	2.329	10.7	19.0
4 21	11 42.92	+ 3 53.7	1.461	2.346	14.8	19.3

231491 2008 QL_{17} 3 21.9 182°.64 0°.2/21.7 17

2 11	12 29.07	− 3 10.4	2.287	3.051	13.6	21.8
2 21	12 25.63	− 2 37.1	2.191	3.052	10.8	21.6
3 2	12 20.22	− 1 50.2	2.119	3.052	7.5	21.4
3 12	12 13.33	− 0 53.2	2.072	3.052	3.8	21.2
3 22	12 5.60	+ 0 9.2	2.055	3.051	0.3	20.9
4 1	11 57.84	+ 1 11.2	2.067	3.050	4.1	21.2
4 11	11 50.88	+ 2 6.8	2.107	3.049	7.8	21.4
4 21	11 45.35	+ 2 51.8	2.173	3.047	11.1	21.6

497141 2004 RQ_{20} 3 21.9 177°.36 0°.3/22.4 17

2 11	12 30.71	− 4 23.8	2.518	3.268	12.8	23.0
2 21	12 26.71	− 3 59.7	2.420	3.270	10.3	22.8
3 2	12 20.86	− 3 23.0	2.344	3.272	7.2	22.7
3 12	12 13.61	− 2 36.4	2.296	3.273	3.8	22.4
3 22	12 5.60	− 1 43.7	2.277	3.273	0.3	22.1
4 1	11 57.56	− 0 49.8	2.288	3.273	3.6	22.4
4 11	11 50.26	+ 0 0.1	2.329	3.272	7.0	22.6
4 21	11 44.30	+ 0 41.9	2.396	3.271	10.1	22.8

255567 2006 KS_{80} 3 21.9 293°.22 1°.0/22.9 17

2 11	12 27.21	− 7 6.1	1.518	2.300	18.5	20.9
2 21	12 25.44	− 6 40.2	1.417	2.285	15.1	20.6
3 2	12 20.86	− 5 50.4	1.336	2.270	10.9	20.3
3 12	12 13.96	− 4 38.7	1.277	2.255	6.0	20.0
3 22	12 5.60	− 3 11.1	1.244	2.240	1.1	19.6
4 1	11 56.97	− 1 36.9	1.237	2.225	5.2	19.8
4 11	11 49.42	− 0 7.3	1.256	2.210	10.5	20.1
4 21	11 43.97	+ 1 8.2	1.297	2.196	15.3	20.3

7891 Fuchie 3 21.9 171°.88 1°.0/22.9 18

2 11	12 34.03	− 5 54.8	1.843	2.602	16.6	17.9
2 21	12 30.09	− 5 41.2	1.751	2.605	13.4	17.7
3 2	12 23.62	− 5 10.3	1.681	2.608	9.6	17.4
3 12	12 15.17	− 4 24.6	1.634	2.610	5.2	17.2
3 22	12 5.60	− 3 28.5	1.616	2.612	1.1	16.9
4 1	11 55.99	− 2 28.8	1.626	2.612	4.4	17.1
4 11	11 47.45	− 1 32.8	1.664	2.613	8.9	17.4
4 21	11 40.81	− 0 46.5	1.726	2.612	12.8	17.6

27059 1998 SS_{37} 3 21.9 242°.00 1°.4/23.2 18

2 11	12 31.61	− 7 22.5	1.651	2.417	17.9	19.7
2 21	12 28.69	− 7 7.1	1.549	2.406	14.7	19.5
3 2	12 22.99	− 6 30.5	1.467	2.395	10.6	19.2
3 12	12 15.01	− 5 34.3	1.408	2.383	6.0	18.9
3 22	12 5.60	− 4 23.3	1.376	2.371	1.6	18.6
4 1	11 55.96	− 3 5.3	1.371	2.358	4.9	18.8
4 11	11 47.37	− 1 49.9	1.392	2.345	9.9	19.0
4 21	11 40.83	− 0 45.1	1.438	2.331	14.4	19.2

283476 2001 QY_{293} 3 21.9 159°.51 2°.4/24.1 18

2 11	12 35.44	− 9 20.0	1.908	2.647	16.7	21.9
2 21	12 31.11	− 9 19.0	1.817	2.654	13.7	21.7
3 2	12 24.28	− 8 59.6	1.746	2.661	10.1	21.5
3 12	12 15.49	− 8 22.9	1.700	2.667	6.1	21.3
3 22	12 5.60	− 7 32.3	1.681	2.673	2.6	21.0
4 1	11 55.71	− 6 33.6	1.691	2.677	4.4	21.2
4 11	11 46.88	− 5 34.2	1.729	2.681	8.4	21.4
4 21	11 39.96	− 4 40.7	1.793	2.684	12.2	21.6

30980 1995 QU_{3} 3 21.9 118°.75 7°.2/ 2.9 18

2 11	12 33.42	−32 39.3	3.378	3.920	13.0	19.9
2 21	12 28.56	−33 24.4	3.288	3.943	11.8	19.8
3 2	12 22.00	−33 51.3	3.215	3.965	10.4	19.7
3 12	12 14.15	−33 58.0	3.163	3.986	9.0	19.6
3 22	12 5.61	−33 43.5	3.135	4.007	7.8	19.6
4 1	11 57.07	−33 9.1	3.134	4.027	7.2	19.5
4 11	11 49.23	−32 18.2	3.160	4.047	7.5	19.6
4 21	11 42.63	−31 15.6	3.212	4.066	8.4	19.7

63913 2001 SG_{32} 3 21.9 77°.83 1°.2/20.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 28.65	+ 0 38.3	2.246	3.026	13.3	19.8
2 21	12 25.21	+ 1 10.6	2.166	3.037	10.5	19.7
3 2	12 19.86	+ 1 53.3	2.109	3.049	7.1	19.5
3 12	12 13.10	+ 2 42.1	2.079	3.060	3.6	19.3
3 22	12 5.61	+ 3 32.2	2.077	3.072	1.3	19.1
4 1	11 58.20	+ 4 18.1	2.105	3.083	4.5	19.4
4 11	11 51.64	+ 4 55.0	2.160	3.095	8.0	19.6
4 21	11 46.53	+ 5 19.9	2.240	3.106	11.1	19.8

415910 2001 UB_{29} 3 21.9 166°.99 2°.2/19.4 15

2 11	12 33.41	+ 4 26.7	2.520	3.293	12.2	22.3
2 21	12 28.76	+ 5 5.1	2.432	3.299	9.6	22.2
3 2	12 22.22	+ 5 50.9	2.367	3.305	6.6	22.0
3 12	12 14.29	+ 6 39.5	2.330	3.309	3.5	21.8
3 22	12 5.62	+ 7 26.2	2.324	3.313	2.4	21.7
4 1	11 56.97	+ 8 6.0	2.347	3.316	5.0	21.9
4 11	11 49.13	+ 8 35.0	2.400	3.319	8.1	22.1
4 21	11 42.69	+ 8 50.9	2.478	3.320	11.0	22.3

446799 1999 TS_{92} 3 21.9 159°.17 1°.9/20.4 18

2 11	12 36.75	+ 1 12.0	1.776	2.556	16.3	22.1
2 21	12 32.24	+ 1 49.7	1.694	2.564	12.9	21.8
3 2	12 25.08	+ 2 40.5	1.632	2.571	8.9	21.6
3 12	12 15.90	+ 3 39.2	1.597	2.578	4.5	21.4
3 22	12 5.62	+ 4 38.8	1.589	2.583	2.0	21.2
4 1	11 55.39	+ 5 32.0	1.611	2.588	5.9	21.5
4 11	11 46.37	+ 6 12.2	1.660	2.592	10.2	21.7
4 21	11 39.38	+ 6 36.0	1.732	2.594	14.0	22.0

403324 2009 DX_{21} 3 21.9 231°.83 1°.0/22.8 16

2 11	12 32.80	− 5 29.0	1.749	2.516	17.0	21.7
2 21	12 29.41	− 5 21.4	1.650	2.508	13.8	21.5
3 2	12 23.36	− 4 56.3	1.571	2.500	9.9	21.2
3 12	12 15.14	− 4 15.6	1.515	2.492	5.4	20.9
3 22	12 5.62	− 3 23.9	1.487	2.483	1.1	20.6
4 1	11 55.92	− 2 27.6	1.487	2.474	4.7	20.8
4 11	11 47.25	− 1 34.5	1.513	2.464	9.4	21.1
4 21	11 40.55	− 0 50.9	1.564	2.454	13.7	21.3

123474 2000 WO_{154} 3 21.9 84°.95 2°.7/19.7 18

2 11	12 36.04	+ 5 55.4	1.926	2.714	15.0	19.8
2 21	12 31.28	+ 6 13.6	1.855	2.730	11.7	19.6
3 2	12 24.16	+ 6 38.4	1.806	2.747	8.1	19.4
3 12	12 15.31	+ 7 4.6	1.783	2.763	4.3	19.2
3 22	12 5.62	+ 7 26.9	1.789	2.779	2.9	19.2
4 1	11 56.13	+ 7 40.6	1.823	2.795	5.9	19.4
4 11	11 47.81	+ 7 42.1	1.885	2.811	9.5	19.6
4 21	11 41.36	+ 7 30.0	1.971	2.827	12.8	19.9

382930 2004 TO_{61} 3 21.9 89°.24 5°.2/18.1 18

2 11	12 45.80	+15 15.0	2.087	2.862	14.4	20.8
2 21	12 38.59	+15 29.6	2.023	2.886	11.4	20.6
3 2	12 28.96	+15 42.4	1.983	2.911	8.3	20.5
3 12	12 17.64	+15 47.3	1.970	2.934	5.8	20.4
3 22	12 5.63	+15 39.5	1.988	2.958	5.4	20.4
4 1	11 54.02	+15 16.1	2.036	2.981	7.6	20.6
4 11	11 43.83	+14 36.7	2.112	3.003	10.4	20.8
4 21	11 35.71	+13 43.0	2.213	3.025	13.1	21.0

422286 2014 ST_{155} 3 21.9 197°.59 0°.4/22.4 16

2 11	12 33.44	− 3 53.9	1.863	2.630	16.1	22.0
2 21	12 29.65	− 3 43.0	1.768	2.628	13.0	21.8
3 2	12 23.34	− 3 16.7	1.694	2.626	9.2	21.6
3 12	12 15.06	− 2 37.8	1.645	2.623	4.9	21.3
3 22	12 5.63	− 1 50.8	1.623	2.620	0.5	20.9
4 1	11 56.11	− 1 1.9	1.630	2.616	4.6	21.2
4 11	11 47.62	− 0 17.6	1.665	2.612	9.0	21.5
4 21	11 40.98	+ 0 16.5	1.724	2.608	13.0	21.7

473218 2015 KW_{133} 3 21.9 248°.93 3°.5/26.3 17

2 11	12 27.22	−14 26.8	2.548	3.257	13.7	21.1
2 21	12 24.09	−14 32.7	2.441	3.253	11.5	20.9
3 2	12 19.15	−14 21.9	2.355	3.248	8.9	20.7
3 12	12 12.80	−13 54.7	2.294	3.244	6.1	20.5
3 22	12 5.63	−13 12.6	2.259	3.239	3.8	20.4
4 1	11 58.39	−12 19.4	2.254	3.234	4.1	20.4
4 11	11 51.81	−11 20.3	2.277	3.229	6.6	20.5
4 21	11 46.52	−10 21.0	2.326	3.225	9.4	20.7

125280 2001 VH_{14} 3 21.9 103°.91 4°.3/18.4 18

2 11	12 36.38	+ 9 58.0	1.881	2.676	15.0	20.4
2 21	12 31.72	+10 28.3	1.806	2.685	11.8	20.2
3 2	12 24.56	+11 2.5	1.754	2.694	8.3	20.0
3 12	12 15.57	+11 34.5	1.728	2.702	5.2	19.9
3 22	12 5.63	+11 58.0	1.730	2.711	4.6	19.9
4 1	11 55.85	+12 7.8	1.760	2.719	7.3	20.0
4 11	11 47.26	+12 0.9	1.816	2.727	10.7	20.3
4 21	11 40.62	+11 37.0	1.896	2.735	13.9	20.5

376514 2012 LA_5 3 21.9 208°.94 5°.2/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 30.48	+12 57.9	2.449	3.246	11.9	21.7
2 21	12 26.67	+14 14.7	2.362	3.240	9.4	21.5
3 2	12 20.92	+15 35.5	2.299	3.233	7.0	21.4
3 12	12 13.69	+16 53.3	2.264	3.226	5.3	21.3
3 22	12 5.64	+18 1.5	2.258	3.218	5.7	21.3
4 1	11 57.54	+18 54.0	2.280	3.209	7.8	21.4
4 11	11 50.22	+19 27.0	2.329	3.200	10.4	21.5
4 21	11 44.30	+19 39.6	2.401	3.190	12.9	21.7

408240 2013 ES_{109} 3 21.9 89°.59 5°.5/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 33.15	+ 8 38.3	1.457	2.274	17.5	21.1
2 21	12 29.91	+ 9 46.4	1.390	2.281	13.8	20.9
3 2	12 23.72	+11 3.6	1.343	2.289	9.7	20.7
3 12	12 15.27	+12 20.2	1.321	2.297	6.2	20.5
3 22	12 5.64	+13 26.1	1.325	2.304	6.0	20.5
4 1	11 56.17	+14 12.1	1.354	2.312	9.3	20.7
4 11	11 48.13	+14 33.3	1.408	2.319	13.3	20.9
4 21	11 42.40	+14 28.8	1.482	2.326	16.9	21.2

122242 2000 OL_{17} 3 21.9 264°.55 0°.6/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.07	− 1 4.2	2.102	2.873	14.4	20.0
2 21	12 28.45	− 0 44.0	1.986	2.850	11.6	19.8
3 2	12 22.52	− 0 11.0	1.892	2.827	8.1	19.5
3 12	12 14.69	+ 0 31.8	1.824	2.804	4.1	19.2
3 22	12 5.65	+ 1 20.0	1.784	2.780	0.7	18.9
4 1	11 56.34	+ 2 7.5	1.773	2.755	4.8	19.2
4 11	11 47.78	+ 2 48.4	1.790	2.730	9.0	19.4
4 21	11 40.82	+ 3 18.0	1.832	2.705	12.9	19.5

98540 2000 VW_{48} 3 21.9 53°.25 1°.5/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 30.45	− 1 1.1	1.357	2.162	19.2	19.8
2 21	12 27.89	− 0 21.9	1.291	2.176	15.1	19.6
3 2	12 22.36	+ 0 35.7	1.245	2.190	10.4	19.3
3 12	12 14.58	+ 1 45.3	1.221	2.204	5.1	19.1
3 22	12 5.65	+ 2 58.2	1.224	2.219	1.6	18.9
4 1	11 56.90	+ 4 4.4	1.252	2.234	6.3	19.2
4 11	11 49.63	+ 4 55.7	1.304	2.249	11.2	19.5
4 21	11 44.67	+ 5 27.3	1.379	2.265	15.5	19.8

435971 2009 DJ_{80} 3 21.9 215°.28 0°.6/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.15	+ 0 19.3	2.419	3.188	12.8	21.5
2 21	12 27.15	+ 0 26.7	2.323	3.186	10.2	21.3
3 2	12 21.22	+ 0 43.0	2.249	3.185	7.0	21.1
3 12	12 13.85	+ 1 5.2	2.203	3.183	3.5	20.9
3 22	12 5.65	+ 1 29.8	2.185	3.181	0.7	20.6
4 1	11 57.44	+ 1 52.7	2.197	3.179	4.0	20.9
4 11	11 49.99	+ 2 10.1	2.238	3.177	7.5	21.1
4 21	11 43.93	+ 2 18.9	2.305	3.175	10.6	21.3

479619 2014 DM_{29} 3 21.9 330°.98 2°.7/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 29.47	− 8 45.5	2.126	2.872	15.0	21.3
2 21	12 26.25	− 9 7.2	2.024	2.865	12.4	21.1
3 2	12 20.87	− 9 14.4	1.943	2.858	9.2	20.8
3 12	12 13.77	− 9 7.6	1.886	2.852	5.7	20.6
3 22	12 5.66	− 8 48.5	1.856	2.845	2.9	20.4
4 1	11 57.41	− 8 20.9	1.854	2.840	4.1	20.5
4 11	11 49.98	− 7 49.8	1.880	2.834	7.6	20.7
4 21	11 44.10	− 7 20.4	1.931	2.829	11.1	20.9

521155 2015 FO_{407} 3 21.9 341°.45 0°.5/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 25.50	− 6 22.5	2.119	2.884	14.5	21.3
2 21	12 23.03	− 5 44.0	2.024	2.882	11.7	21.1
3 2	12 18.55	− 4 48.2	1.950	2.880	8.3	20.9
3 12	12 12.54	− 3 38.1	1.902	2.879	4.4	20.7
3 22	12 5.66	− 2 19.0	1.881	2.877	0.6	20.4
4 1	11 58.74	− 0 57.7	1.890	2.876	3.9	20.6
4 11	11 52.64	+ 0 18.6	1.926	2.875	7.9	20.9
4 21	11 48.00	+ 1 23.8	1.988	2.874	11.4	21.1

399972 2006 BN_{124} 3 21.9 251°.69 1°.8/23.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 34.63	− 6 4.5	1.695	2.458	17.6	21.4
2 21	12 31.08	− 6 16.6	1.591	2.446	14.5	21.2
3 2	12 24.68	− 6 12.0	1.506	2.433	10.6	20.9
3 12	12 15.92	− 5 51.7	1.445	2.419	6.0	20.6
3 22	12 5.66	− 5 18.7	1.411	2.405	1.9	20.3
4 1	11 55.10	− 4 38.4	1.404	2.391	4.9	20.4
4 11	11 45.58	− 3 58.1	1.424	2.377	9.7	20.7
4 21	11 38.13	− 3 24.3	1.468	2.362	14.2	20.9

209632 2005 AM_{61} 3 21.9 54°.86 2°.3/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 34.29	− 6 27.7	1.503	2.276	19.1	20.4
2 21	12 30.87	− 6 50.8	1.422	2.282	15.6	20.2
3 2	12 24.48	− 6 56.2	1.361	2.288	11.4	20.0
3 12	12 15.73	− 6 44.6	1.321	2.295	6.6	19.7
3 22	12 5.66	− 6 19.5	1.308	2.301	2.5	19.5
4 1	11 55.60	− 5 46.4	1.321	2.308	5.0	19.6
4 11	11 46.88	− 5 12.8	1.359	2.315	9.7	19.9
4 21	11 40.46	− 4 45.2	1.421	2.322	14.1	20.2

489072 2006 AK_{17} 3 21.9 101°.59 3°.6/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 11	12 27.54	−15 28.5	2.850	3.544	12.7	22.0
2 21	12 24.06	−15 40.8	2.752	3.552	10.7	21.8
3 2	12 18.96	−15 38.0	2.676	3.560	8.3	21.7
3 12	12 12.64	−15 20.3	2.625	3.568	5.9	21.5
3 22	12 5.67	−14 49.2	2.602	3.576	3.9	21.4
4 1	11 58.68	−14 7.6	2.607	3.584	4.0	21.4
4 11	11 52.34	−13 19.9	2.642	3.591	5.9	21.6
4 21	11 47.16	−12 30.8	2.703	3.599	8.4	21.7

480349 2015 KK_{13} 3 21.9 232°.56 3°.1/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 26.04	+ 7 54.2	3.015	3.803	10.1	21.7
2 21	12 22.80	+ 8 57.8	2.915	3.792	7.9	21.6
3 2	12 18.06	+10 7.3	2.841	3.781	5.5	21.4
3 12	12 12.19	+11 18.0	2.795	3.769	3.5	21.2
3 22	12 5.67	+12 24.8	2.780	3.758	3.4	21.2
4 1	11 59.10	+13 23.0	2.795	3.746	5.4	21.3
4 11	11 53.08	+14 8.8	2.838	3.733	7.9	21.5
4 21	11 48.09	+14 39.9	2.906	3.721	10.3	21.6

86693 2000 FR_{48} 3 21.9 334°.63 5°.3/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 31.72	−10 41.6	1.282	2.057	21.7	19.4
2 21	12 29.64	−11 37.5	1.195	2.050	18.3	19.1
3 2	12 24.19	−12 12.2	1.123	2.043	14.0	18.8
3 12	12 15.85	−12 23.3	1.073	2.036	9.4	18.5
3 22	12 5.67	−12 10.9	1.045	2.031	5.6	18.3
4 1	11 55.20	−11 39.2	1.041	2.026	6.7	18.3
4 11	11 46.11	−10 56.7	1.060	2.021	11.2	18.5
4 21	11 39.67	−10 13.2	1.101	2.017	15.9	18.8

153549 2001 SG_{124} 3 21.9 79°.34 0°.8/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.28	− 6 20.5	1.821	2.583	16.6	20.4
2 21	12 28.43	− 5 52.0	1.754	2.610	13.3	20.2
3 2	12 22.24	− 5 5.6	1.709	2.637	9.4	20.0
3 12	12 14.36	− 4 5.2	1.688	2.664	5.0	19.8
3 22	12 5.68	− 2 56.7	1.695	2.691	0.9	19.5
4 1	11 57.22	− 1 47.2	1.731	2.717	4.2	19.8
4 11	11 49.96	− 0 44.2	1.794	2.743	8.3	20.1
4 21	11 44.54	+ 0 7.1	1.883	2.769	11.9	20.4

19641 1999 RV_{91} 3 21.9 225°.65 0°.4/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 11	12 32.81	− 2 50.9	2.220	2.979	14.1	18.5
2 21	12 28.74	− 2 49.3	2.117	2.973	11.3	18.3
3 2	12 22.51	− 2 36.2	2.036	2.966	8.0	18.1
3 12	12 14.59	− 2 13.7	1.982	2.959	4.2	17.8
3 22	12 5.68	− 1 45.2	1.956	2.952	0.4	17.5
4 1	11 56.67	− 1 15.2	1.959	2.945	4.0	17.8
4 11	11 48.47	− 0 48.5	1.991	2.937	7.9	18.0
4 21	11 41.82	− 0 29.1	2.049	2.928	11.4	18.2

114772 2003 KD_4 3 22.0 358°.17 8°.2/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 26.15	−24 14.2	1.756	2.530	16.8	18.9
3 2	12 21.14	−24 36.1	1.677	2.529	14.1	18.7
3 12	12 14.05	−24 29.2	1.618	2.528	11.3	18.6
3 22	12 5.70	−23 52.4	1.582	2.528	9.0	18.4
4 1	11 57.20	−22 48.5	1.571	2.528	8.2	18.4
4 11	11 49.72	−21 24.9	1.585	2.528	9.7	18.4
4 21	11 44.17	−19 51.4	1.623	2.528	12.4	18.6
5 1	11 41.13	−18 18.0	1.683	2.529	15.3	18.8

428397 2007 SH_{17} 3 22.0 254°.57 1°.1/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.79	+ 2 4.4	2.188	3.053	10.6	21.0
3 2	12 23.22	+ 2 16.5	2.104	3.040	7.4	20.8
3 12	12 14.97	+ 2 33.5	2.047	3.028	3.7	20.5
3 22	12 5.71	+ 2 51.7	2.019	3.015	1.1	20.3
4 1	11 56.32	+ 3 7.0	2.021	3.001	4.5	20.5
4 11	11 47.71	+ 3 15.4	2.052	2.988	8.3	20.7
4 21	11 40.63	+ 3 14.2	2.108	2.974	11.7	20.9
5 1	11 35.59	+ 3 1.9	2.186	2.960	14.6	21.1

10308 1990 QC_3 3 22.0 138°.12 0°.7/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.65	− 2 0.7	1.752	2.617	12.9	19.1
3 2	12 23.22	− 1 3.7	1.694	2.630	8.9	18.8
3 12	12 14.95	+ 0 4.8	1.661	2.642	4.4	18.6
3 22	12 5.71	+ 1 18.2	1.657	2.653	0.7	18.3
4 1	11 56.56	+ 2 28.7	1.681	2.663	5.0	18.7
4 11	11 48.54	+ 3 29.2	1.733	2.673	9.2	18.9
4 21	11 42.41	+ 4 14.6	1.809	2.682	13.0	19.2
5 1	11 38.63	+ 4 42.6	1.906	2.690	16.1	19.4

270591 2002 LN_{42} 3 22.0 249°.52 0°.1/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 25.02	− 4 9.8	2.331	3.185	10.5	21.4
3 2	12 19.88	− 3 19.5	2.239	3.169	7.4	21.2
3 12	12 13.24	− 2 17.2	2.174	3.151	3.9	20.9
3 22	12 5.71	− 1 7.3	2.138	3.134	0.2	20.6
4 1	11 58.02	+ 0 4.5	2.131	3.116	3.8	20.9
4 11	11 50.99	+ 1 12.0	2.154	3.097	7.5	21.1
4 21	11 45.26	+ 2 10.1	2.203	3.078	10.9	21.2
5 1	11 41.33	+ 2 54.9	2.275	3.059	13.8	21.4