184992 2006 ML_6 3 22.9 216°.28 3°.7/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.85	+ 6 25.8	1.936	2.809	11.4	20.3
3 2	12 26.23	+ 7 44.3	1.864	2.801	8.1	20.1
3 12	12 18.76	+ 9 7.4	1.818	2.794	4.8	19.8
3 22	12 10.17	+10 27.6	1.801	2.785	4.0	19.8
4 1	12 1.41	+11 36.8	1.812	2.776	6.7	19.9
4 11	11 53.47	+12 28.8	1.851	2.767	10.3	20.1
4 21	11 47.13	+13 0.4	1.913	2.756	13.7	20.3
5 1	11 42.95	+13 10.7	1.995	2.746	16.5	20.5

303432 2005 AW_{33} 3 22.9 117°.14 3°.4/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.45	+ 4 14.7	1.586	2.463	13.3	20.6
3 2	12 26.77	+ 5 32.4	1.533	2.473	9.2	20.4
3 12	12 19.05	+ 6 56.3	1.505	2.483	5.1	20.2
3 22	12 10.19	+ 8 17.6	1.503	2.492	3.6	20.1
4 1	12 1.33	+ 9 27.1	1.530	2.502	6.8	20.3
4 11	11 53.60	+10 18.0	1.582	2.511	10.9	20.6
4 21	11 47.82	+10 47.1	1.658	2.519	14.5	20.8
5 1	11 44.47	+10 53.8	1.752	2.527	17.6	21.1

162553 2000 RH_{12} 3 22.9 42°.37 5°.1/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.73	−13 51.1	1.304	2.141	18.1	19.2
3 2	12 27.47	−14 3.7	1.243	2.149	14.1	18.9
3 12	12 19.63	−13 50.2	1.201	2.158	9.6	18.7
3 22	12 10.25	−13 12.2	1.183	2.167	5.8	18.5
4 1	12 0.74	−12 15.6	1.190	2.176	5.8	18.5
4 11	11 52.52	−11 10.0	1.222	2.186	9.6	18.8
4 21	11 46.66	−10 5.5	1.277	2.196	13.9	19.0
5 1	11 43.77	− 9 10.8	1.351	2.206	17.7	19.3

317505 2002 TH_{18} 3 22.9 243°.29 0°.3/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.54	− 4 1.2	1.872	2.724	12.8	21.5
3 2	12 26.85	− 3 29.5	1.785	2.711	9.2	21.2
3 12	12 19.17	− 2 44.6	1.722	2.698	5.1	21.0
3 22	12 10.22	− 1 50.9	1.688	2.684	0.6	20.6
4 1	12 0.98	− 0 54.3	1.681	2.669	4.1	20.8
4 11	11 52.51	− 0 1.9	1.703	2.655	8.5	21.1
4 21	11 45.68	+ 0 40.7	1.750	2.639	12.5	21.3
5 1	11 41.12	+ 1 9.3	1.818	2.624	15.9	21.5

500798 2013 GM_1 3 22.9 312°.57 2°.3/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.16	− 8 31.4	1.268	2.131	16.9	21.0
3 2	12 25.25	− 8 9.6	1.182	2.109	12.7	20.6
3 12	12 18.65	− 7 23.6	1.116	2.089	7.7	20.3
3 22	12 10.19	− 6 16.9	1.074	2.068	2.8	19.9
4 1	12 1.17	− 4 57.3	1.057	2.048	5.0	20.0
4 11	11 53.12	− 3 36.1	1.064	2.029	10.6	20.2
4 21	11 47.29	− 2 24.3	1.093	2.010	15.9	20.5
5 1	11 44.54	− 1 30.3	1.140	1.993	20.5	20.7

500581 2012 UW_{87} 3 22.9 134°.83 1°.0/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.49	− 6 55.3	2.544	3.380	10.3	22.2
3 2	12 23.45	− 6 23.9	2.472	3.388	7.5	22.1
3 12	12 17.10	− 5 41.2	2.426	3.395	4.3	21.9
3 22	12 10.03	− 4 50.7	2.408	3.403	1.3	21.6
4 1	12 2.90	− 3 56.8	2.421	3.410	2.9	21.8
4 11	11 56.41	− 3 4.3	2.463	3.417	6.1	22.0
4 21	11 51.10	− 2 17.6	2.532	3.423	9.0	22.2
5 1	11 47.39	− 1 40.2	2.624	3.430	11.6	22.4

52582 1997 NE_6 3 22.9 207°.06 3°.7/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.30	+ 5 36.5	1.811	2.688	11.9	19.6
3 2	12 25.18	+ 7 0.5	1.746	2.686	8.3	19.3
3 12	12 18.21	+ 8 30.1	1.706	2.683	4.9	19.1
3 22	12 10.14	+ 9 56.8	1.695	2.680	3.9	19.0
4 1	12 1.94	+11 12.2	1.711	2.677	6.9	19.2
4 11	11 54.63	+12 9.5	1.754	2.674	10.5	19.4
4 21	11 48.98	+12 45.2	1.821	2.670	14.0	19.6
5 1	11 45.53	+12 58.6	1.906	2.667	16.9	19.8

496441 2014 OM_{112} 3 22.9 331°.61 4°.1/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.17	+ 3 34.3	1.132	2.028	15.9	21.1
3 2	12 25.24	+ 4 57.0	1.069	2.018	11.2	20.8
3 12	12 18.58	+ 6 31.8	1.028	2.009	6.3	20.5
3 22	12 10.18	+ 8 7.1	1.011	2.001	4.4	20.3
4 1	12 1.51	+ 9 29.3	1.017	1.994	8.6	20.5
4 11	11 54.11	+10 27.7	1.046	1.987	13.8	20.8
4 21	11 49.13	+10 56.7	1.095	1.981	18.6	21.0
5 1	11 47.27	+10 55.5	1.160	1.976	22.5	21.3

308069 2004 TH_{199} 3 22.9 352°.18 0°.1/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.96	− 4 32.7	1.268	2.141	16.2	20.4
3 2	12 25.55	− 3 45.4	1.202	2.138	11.6	20.2
3 12	12 18.64	− 2 38.6	1.158	2.136	6.3	19.9
3 22	12 10.19	− 1 19.6	1.139	2.135	0.6	19.4
4 1	12 1.53	+ 0 1.6	1.145	2.134	5.2	19.8
4 11	11 54.07	+ 1 13.9	1.175	2.133	10.6	20.1
4 21	11 48.85	+ 2 9.3	1.228	2.133	15.5	20.3
5 1	11 46.50	+ 2 43.0	1.298	2.133	19.5	20.6

456770 2007 TC_{125} 3 22.9 152°.41 1°.3/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.91	− 0 2.0	1.911	2.770	12.2	22.5
3 2	12 27.57	+ 0 46.4	1.847	2.779	8.6	22.2
3 12	12 19.42	+ 1 43.6	1.809	2.787	4.5	22.0
3 22	12 10.25	+ 2 43.7	1.800	2.795	1.3	21.8
4 1	12 1.04	+ 3 40.2	1.819	2.802	4.6	22.0
4 11	11 52.78	+ 4 26.8	1.867	2.808	8.7	22.3
4 21	11 46.21	+ 4 59.7	1.940	2.814	12.2	22.5
5 1	11 41.83	+ 5 16.6	2.035	2.818	15.2	22.7

23365 4217 $T\text{-}_1$ 3 22.9 19°.75 2°.8/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.47	+ 2 27.4	1.172	2.062	15.9	18.3
3 2	12 25.90	+ 3 17.2	1.121	2.067	11.1	18.0
3 12	12 18.78	+ 4 16.5	1.092	2.074	5.9	17.7
3 22	12 10.20	+ 5 16.2	1.087	2.081	2.9	17.6
4 1	12 1.59	+ 6 6.2	1.107	2.089	7.0	17.8
4 11	11 54.38	+ 6 38.6	1.150	2.099	12.0	18.1
4 21	11 49.56	+ 6 49.5	1.214	2.109	16.5	18.4
5 1	11 47.65	+ 6 38.0	1.296	2.119	20.2	18.7

378677 2008 HX_{45} 3 22.9 247°.61 2°.4/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.11	+ 4 8.1	2.248	3.111	10.5	22.3
3 2	12 26.31	+ 5 1.2	2.157	3.091	7.4	22.1
3 12	12 18.81	+ 6 0.1	2.093	3.070	4.1	21.8
3 22	12 10.22	+ 6 59.2	2.059	3.049	2.5	21.7
4 1	12 1.35	+ 7 52.6	2.054	3.027	5.2	21.8
4 11	11 53.11	+ 8 34.7	2.077	3.004	8.8	22.0
4 21	11 46.23	+ 9 2.2	2.126	2.980	12.1	22.1
5 1	11 41.27	+ 9 13.1	2.196	2.956	14.9	22.3

190420 1999 VZ_{70} 3 22.9 137°.79 1°.2/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.01	+ 0 57.4	2.460	3.316	9.9	21.2
3 2	12 25.20	+ 1 41.3	2.398	3.329	6.9	21.0
3 12	12 18.03	+ 2 31.1	2.363	3.341	3.6	20.8
3 22	12 10.14	+ 3 22.2	2.358	3.353	1.2	20.7
4 1	12 2.24	+ 4 9.8	2.384	3.364	3.9	20.9
4 11	11 55.06	+ 4 49.4	2.438	3.375	7.1	21.1
4 21	11 49.17	+ 5 18.1	2.519	3.385	10.0	21.3
5 1	11 44.97	+ 5 34.0	2.623	3.395	12.4	21.5

70585 1999 TA_{170} 3 22.9 359°.05 0°.3/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.00	− 1 58.0	1.218	2.098	16.2	18.3
3 2	12 26.35	− 1 38.3	1.155	2.095	11.6	18.0
3 12	12 19.10	− 1 4.2	1.114	2.093	6.2	17.7
3 22	12 10.25	− 0 21.8	1.096	2.093	0.6	17.3
4 1	12 1.20	+ 0 20.7	1.104	2.093	5.4	17.7
4 11	11 53.42	+ 0 54.9	1.135	2.094	10.9	18.0
4 21	11 47.98	+ 1 14.7	1.188	2.096	15.7	18.2
5 1	11 45.54	+ 1 16.6	1.258	2.098	19.7	18.5

471146 2010 FY_2 3 22.9 272°.12 2°.9/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.65	+ 4 59.4	2.172	3.044	10.4	21.3
3 2	12 23.89	+ 6 9.1	2.087	3.025	7.3	21.0
3 12	12 17.51	+ 7 24.7	2.029	3.007	4.2	20.8
3 22	12 10.10	+ 8 39.9	2.000	2.988	3.1	20.7
4 1	12 2.47	+ 9 47.7	2.000	2.969	5.8	20.8
4 11	11 55.47	+10 42.1	2.028	2.950	9.2	21.0
4 21	11 49.81	+11 19.4	2.079	2.930	12.4	21.2
5 1	11 46.02	+11 37.9	2.152	2.910	15.2	21.3

415278 2013 EP_{123} 3 22.9 282°.39 3°.0/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.83	+ 4 3.3	1.551	2.425	13.7	21.5
3 2	12 28.98	+ 4 45.9	1.459	2.398	9.8	21.2
3 12	12 20.57	+ 5 36.4	1.392	2.370	5.4	20.8
3 22	12 10.41	+ 6 27.9	1.351	2.343	3.0	20.6
4 1	11 59.69	+ 7 12.0	1.337	2.315	6.8	20.8
4 11	11 49.80	+ 7 41.3	1.349	2.286	11.6	21.0
4 21	11 41.89	+ 7 51.3	1.384	2.257	16.2	21.1
5 1	11 36.79	+ 7 40.1	1.437	2.228	20.1	21.3

228156 2009 SG_{69} 3 22.9 132°.89 1°.1/21.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.15	− 0 7.5	2.253	3.109	10.7	21.6
3 2	12 25.39	+ 0 45.9	2.192	3.123	7.5	21.4
3 12	12 18.17	+ 1 46.7	2.159	3.137	3.9	21.2
3 22	12 10.16	+ 2 49.8	2.155	3.150	1.1	21.0
4 1	12 2.15	+ 3 49.4	2.181	3.162	4.1	21.3
4 11	11 54.93	+ 4 40.2	2.235	3.174	7.5	21.5
4 21	11 49.11	+ 5 18.6	2.316	3.185	10.7	21.7
5 1	11 45.11	+ 5 42.6	2.419	3.196	13.2	21.9

406186 2006 WQ_{117} 3 23.0 87°.82 7°.4/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.35	−25 58.3	2.080	2.812	15.8	21.8
3 2	12 29.89	−26 16.7	2.027	2.850	13.2	21.7
3 12	12 20.61	−26 8.6	1.996	2.887	10.5	21.6
3 22	12 10.38	−25 34.2	1.990	2.924	8.3	21.5
4 1	12 0.28	−24 36.6	2.011	2.959	7.4	21.5
4 11	11 51.33	−23 22.9	2.059	2.993	8.4	21.6
4 21	11 44.25	−22 1.4	2.134	3.027	10.4	21.8
5 1	11 39.49	−20 40.2	2.233	3.060	12.6	22.0

270000 2000 YQ_{19} 3 23.0 37.°50 11.°9/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 47.32	+29 6.9	1.409	2.257	16.4	19.4
3 2	12 37.11	+29 25.1	1.384	2.279	13.8	19.3
3 12	12 24.39	+29 17.3	1.381	2.301	12.1	19.2
3 22	12 10.71	+28 36.3	1.402	2.323	12.1	19.3
4 1	11 57.79	+27 20.8	1.449	2.347	13.6	19.4
4 11	11 47.06	+25 35.3	1.518	2.371	16.0	19.6
4 21	11 39.33	+23 27.9	1.609	2.396	18.3	19.9
5 1	11 34.85	+21 6.7	1.718	2.421	20.4	20.1

224245 2005 SN_{129} 3 23.0 227.°38 2.°1/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.08	+ 4 31.6	2.354	3.211	10.3	22.1
3 2	12 28.31	+ 5 2.3	2.266	3.197	7.2	21.8
3 12	12 19.85	+ 5 36.7	2.206	3.182	4.0	21.6
3 22	12 10.34	+ 6 10.4	2.175	3.167	2.2	21.4
4 1	12 0.61	+ 6 38.5	2.175	3.150	4.8	21.6
4 11	11 51.54	+ 6 57.0	2.205	3.133	8.2	21.8
4 21	11 43.87	+ 7 3.3	2.260	3.115	11.4	21.9
5 1	11 38.12	+ 6 56.3	2.338	3.097	14.2	22.1

177993 2006 QW_{57} 3 23.0 163.°98 2.°3/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.18	−11 9.9	3.000	3.806	9.7	20.6
3 2	12 25.23	−11 11.2	2.918	3.811	7.4	20.5
3 12	12 18.05	−11 1.5	2.862	3.816	4.8	20.3
3 22	12 10.17	−10 42.0	2.836	3.820	2.6	20.2
4 1	12 2.19	−10 15.5	2.840	3.824	3.0	20.2
4 11	11 54.75	− 9 45.2	2.874	3.828	5.3	20.3
4 21	11 48.39	− 9 15.0	2.937	3.831	7.9	20.5
5 1	11 43.50	− 8 48.2	3.025	3.834	10.1	20.7

158729 2003 MP_{3} 3 23.0 243.°41 6.°5/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.96	+17 13.8	2.221	3.093	10.2	19.9
3 2	12 25.50	+18 42.6	2.154	3.079	8.0	19.8
3 12	12 18.36	+20 6.7	2.114	3.064	6.6	19.7
3 22	12 10.20	+21 18.5	2.102	3.049	7.0	19.7
4 1	12 1.86	+22 11.3	2.118	3.034	9.0	19.7
4 11	11 54.25	+22 41.1	2.159	3.018	11.6	19.9
4 21	11 48.08	+22 47.0	2.221	3.002	14.1	20.0
5 1	11 43.87	+22 30.4	2.302	2.985	16.3	20.2

254054 2004 GT_{51} 3 23.0 136.°92 1.°0/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.89	− 8 10.6	2.192	3.025	11.9	20.0
3 2	12 25.27	− 7 11.0	2.125	3.039	8.6	19.8
3 12	12 18.14	− 5 56.7	2.084	3.053	4.9	19.6
3 22	12 10.17	− 4 32.4	2.071	3.066	1.3	19.4
4 1	12 2.20	− 3 4.7	2.090	3.079	3.3	19.6
4 11	11 55.02	− 1 40.8	2.138	3.090	6.9	19.8
4 21	11 49.29	− 0 26.6	2.212	3.101	10.3	20.0
5 1	11 45.43	+ 0 33.7	2.310	3.111	13.1	20.2

385093 2012 VA_{11} 3 23.0 122.°55 0.°3/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.21	− 4 10.1	2.301	3.149	10.9	21.7
3 2	12 24.08	− 3 36.7	2.231	3.155	7.7	21.5
3 12	12 17.51	− 2 53.1	2.187	3.162	4.2	21.3
3 22	12 10.12	− 2 3.2	2.172	3.168	0.6	21.0
4 1	12 2.68	− 1 12.0	2.186	3.174	3.3	21.2
4 11	11 55.94	− 0 24.7	2.229	3.180	6.8	21.5
4 21	11 50.51	+ 0 14.5	2.298	3.186	10.0	21.7
5 1	11 46.84	+ 0 42.6	2.390	3.191	12.7	21.9

74634 1999 RJ_{50} 3 23.0 237.°03 0.°9/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.16	− 6 6.4	1.994	2.835	12.6	20.5
3 2	12 27.26	− 5 33.3	1.900	2.819	9.2	20.3
3 12	12 19.42	− 4 45.5	1.831	2.803	5.2	20.0
3 22	12 10.31	− 3 46.8	1.790	2.785	1.2	19.7
4 1	12 0.88	− 2 42.9	1.779	2.767	3.8	19.8
4 11	11 52.15	− 1 40.7	1.796	2.748	8.0	20.0
4 21	11 44.98	− 0 46.6	1.839	2.729	12.0	20.2
5 1	11 39.98	− 0 5.2	1.904	2.708	15.4	20.4

227446 2005 WF_{47} 3 23.0 202.°20 0.°9/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.13	− 5 46.0	1.904	2.752	12.8	21.2
3 2	12 25.75	− 5 19.4	1.828	2.751	9.3	21.0
3 12	12 18.54	− 4 39.1	1.777	2.749	5.3	20.8
3 22	12 10.23	− 3 49.1	1.753	2.748	1.2	20.5
4 1	12 1.76	− 2 55.0	1.757	2.746	3.7	20.7
4 11	11 54.13	− 2 3.5	1.789	2.744	7.8	20.9
4 21	11 48.10	− 1 20.1	1.847	2.743	11.6	21.1
5 1	11 44.21	− 0 49.0	1.926	2.741	14.8	21.3

341280 2007 RA_{285} 3 23.0 46.°36 0.°0/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.69	− 3 35.2	1.962	2.819	12.0	21.0
3 2	12 23.90	− 2 55.3	1.896	2.825	8.5	20.8
3 12	12 17.48	− 2 3.9	1.855	2.831	4.6	20.6
3 22	12 10.13	− 1 5.9	1.841	2.837	0.4	20.3
4 1	12 2.71	− 0 7.4	1.856	2.844	3.8	20.6
4 11	11 56.11	+ 0 45.4	1.899	2.851	7.7	20.8
4 21	11 51.01	+ 1 27.5	1.967	2.857	11.3	21.0
5 1	11 47.88	+ 1 55.8	2.056	2.864	14.2	21.3

53056 1998 XY_{14} 3 23.0 318.°34 12.°3/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.11	+27 56.1	1.493	2.360	14.6	17.3
3 2	12 28.39	+29 39.3	1.449	2.349	12.9	17.1
3 12	12 20.13	+31 3.0	1.426	2.339	12.3	17.1
3 22	12 10.38	+31 55.7	1.427	2.329	13.3	17.1
4 1	12 0.55	+32 9.8	1.450	2.320	15.4	17.2
4 11	11 52.08	+31 43.8	1.492	2.311	17.9	17.3
4 21	11 45.95	+30 41.9	1.551	2.303	20.3	17.5
5 1	11 42.75	+29 10.3	1.624	2.295	22.5	17.6

462339 2008 NV_{3} 3 23.0 321.°76 15.°4/27.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 26.01	+32 30.7	1.339	2.209	15.7	19.8
3 2	12 23.32	+36 25.5	1.294	2.177	15.5	19.7
3 12	12 17.77	+39 59.0	1.274	2.144	16.7	19.7
3 22	12 10.18	+42 52.2	1.275	2.113	18.9	19.7
4 1	12 1.98	+44 51.7	1.295	2.082	21.6	19.8
4 11	11 54.84	+45 53.5	1.330	2.052	24.3	19.9
4 21	11 50.16	+46 1.2	1.374	2.023	26.6	20.0
5 1	11 48.83	+45 21.8	1.425	1.995	28.5	20.1

506333 2017 OR_{21} 3 23.0 271.°48 2.°7/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.39	+ 1 25.8	1.760	2.634	12.3	20.6
3 2	12 23.98	+ 3 3.3	1.682	2.622	8.6	20.3
3 12	12 17.67	+ 4 53.1	1.630	2.610	4.6	20.0
3 22	12 10.16	+ 6 46.3	1.606	2.597	2.9	19.9
4 1	12 2.41	+ 8 32.7	1.611	2.585	6.3	20.1
4 11	11 55.47	+10 3.2	1.642	2.572	10.4	20.3
4 21	11 50.15	+11 11.7	1.697	2.559	14.2	20.5
5 1	11 47.04	+11 55.5	1.772	2.547	17.4	20.7

283126 2008 WK_{38} 3 23.0 31.°56 0.°2/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.44	− 3 56.8	1.970	2.824	12.1	21.0
3 2	12 24.47	− 3 22.2	1.898	2.825	8.6	20.7
3 12	12 17.82	− 2 35.7	1.851	2.826	4.7	20.5
3 22	12 10.17	− 1 41.8	1.831	2.828	0.5	20.2
4 1	12 2.42	− 0 46.5	1.841	2.829	3.7	20.4
4 11	11 55.46	+ 0 4.0	1.877	2.830	7.7	20.7
4 21	11 50.01	+ 0 44.8	1.940	2.831	11.3	20.9
5 1	11 46.57	+ 1 12.4	2.023	2.833	14.4	21.1

337666 2001 TJ_{177} 3 23.0 163.°24 2.°7/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.63	−13 7.2	2.688	3.494	10.7	21.3
3 2	12 23.57	−12 46.1	2.607	3.499	8.2	21.2
3 12	12 17.21	−12 10.5	2.550	3.502	5.5	21.0
3 22	12 10.12	−11 22.7	2.522	3.506	3.1	20.8
4 1	12 2.93	−10 26.3	2.524	3.509	3.2	20.9
4 11	11 56.34	− 9 26.3	2.555	3.512	5.7	21.0
4 21	11 50.88	− 8 27.5	2.614	3.514	8.4	21.2
5 1	11 46.98	− 7 34.5	2.697	3.516	10.9	21.4

277483 2005 WC_{48} 3 23.0 248.°64 0.°9/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.47	− 0 42.3	1.867	2.729	12.3	21.6
3 2	12 26.04	− 0 6.2	1.790	2.723	8.7	21.3
3 12	12 18.73	+ 0 39.7	1.738	2.716	4.6	21.1
3 22	12 10.26	+ 1 30.3	1.714	2.710	0.9	20.8
4 1	12 1.62	+ 2 19.4	1.718	2.703	4.5	21.0
4 11	11 53.80	+ 3 0.6	1.750	2.696	8.7	21.3
4 21	11 47.61	+ 3 29.5	1.806	2.690	12.5	21.5
5 1	11 43.61	+ 3 43.3	1.884	2.683	15.7	21.7

292197 2006 SD_{34} 3 23.0 199.°34 1.°6/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.39	− 7 6.4	2.393	3.225	11.0	20.5
3 2	12 25.65	− 7 5.3	2.311	3.224	8.1	20.3
3 12	12 18.39	− 6 53.3	2.256	3.223	4.9	20.1
3 22	12 10.23	− 6 32.6	2.228	3.221	1.9	19.9
4 1	12 1.93	− 6 6.5	2.231	3.219	3.1	20.0
4 11	11 54.28	− 5 39.3	2.262	3.218	6.4	20.2
4 21	11 47.94	− 5 15.0	2.321	3.216	9.6	20.4
5 1	11 43.38	− 4 57.2	2.402	3.213	12.4	20.6

125805 2001 XR_{158} 3 23.0 125.°24 2.°0/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.56	+ 1 16.3	1.658	2.525	13.4	21.2
3 2	12 28.19	+ 2 15.7	1.604	2.539	9.3	21.0
3 12	12 19.82	+ 3 23.5	1.574	2.553	4.9	20.7
3 22	12 10.36	+ 4 32.5	1.573	2.567	2.1	20.6
4 1	12 0.93	+ 5 34.5	1.600	2.579	5.5	20.8
4 11	11 52.64	+ 6 22.9	1.653	2.592	9.8	21.1
4 21	11 46.28	+ 6 53.8	1.731	2.603	13.5	21.3
5 1	11 42.36	+ 7 5.8	1.829	2.614	16.6	21.6

344382 2001 XX_{217} 3 23.0 145.°83 4.°5/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.62	−21 14.1	2.882	3.638	11.3	21.6
3 2	12 23.51	−20 58.2	2.799	3.648	9.2	21.5
3 12	12 17.16	−20 24.4	2.741	3.657	7.0	21.3
3 22	12 10.11	−19 33.8	2.709	3.665	5.1	21.2
4 1	12 3.00	−18 29.4	2.706	3.674	4.5	21.2
4 11	11 56.49	−17 16.1	2.733	3.682	5.8	21.3
4 21	11 51.10	−15 59.4	2.788	3.689	7.9	21.4
5 1	11 47.22	−14 44.8	2.868	3.696	10.1	21.6

434919 2006 TT_{88} 3 23.0 160°.95 2°.9/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.60	+ 8 5.7	2.498	3.363	9.5	21.5
3 2	12 25.66	+ 8 35.7	2.432	3.366	6.7	21.4
3 12	12 18.33	+ 9 6.1	2.394	3.368	4.0	21.2
3 22	12 10.22	+ 9 32.4	2.385	3.370	3.0	21.1
4 1	12 2.08	+ 9 50.6	2.405	3.372	5.1	21.3
4 11	11 54.64	+ 9 57.7	2.454	3.373	8.0	21.5
4 21	11 48.49	+ 9 52.3	2.529	3.375	10.6	21.6
5 1	11 44.05	+ 9 34.0	2.625	3.376	13.0	21.8

372618 2009 VG_{38} 3 23.0 193°.74 0°.1/22.9 17

2 21	12 32.20	− 2 35.3	2.287	3.134	10.9	22.0
3 2	12 26.26	− 2 5.1	2.207	3.132	7.8	21.8
3 12	12 18.73	− 1 25.5	2.154	3.130	4.2	21.5
3 22	12 10.27	− 0 40.6	2.130	3.127	0.4	21.2
4 1	12 1.67	+ 0 4.9	2.136	3.123	3.5	21.5
4 11	11 53.77	+ 0 45.8	2.172	3.119	7.2	21.7
4 21	11 47.24	+ 1 18.1	2.233	3.114	10.5	21.9
5 1	11 42.58	+ 1 38.9	2.317	3.108	13.4	22.1

180009 2002 YY_{20} 3 23.0 169°.86 1°.6/21.4 18

2 21	12 32.23	+ 0 57.1	1.915	2.778	12.0	19.9
3 2	12 26.46	+ 1 45.9	1.847	2.781	8.4	19.6
3 12	12 18.89	+ 2 42.8	1.805	2.783	4.4	19.4
3 22	12 10.28	+ 3 41.9	1.791	2.785	1.6	19.2
4 1	12 1.58	+ 4 36.7	1.806	2.787	4.9	19.4
4 11	11 53.75	+ 5 21.1	1.848	2.788	8.8	19.7
4 21	11 47.56	+ 5 51.2	1.915	2.788	12.4	19.9
5 1	11 43.51	+ 6 5.0	2.004	2.789	15.4	20.1

333765 2011 CA_{47} 3 23.0 323°.81 9°.9/29.8 17

2 21	12 30.54	−22 36.3	1.486	2.276	18.6	19.6
3 2	12 26.29	−23 44.8	1.389	2.251	15.9	19.3
3 12	12 19.32	−24 27.0	1.311	2.226	13.0	19.1
3 22	12 10.35	−24 38.1	1.254	2.202	10.6	18.9
4 1	12 0.61	−24 16.7	1.221	2.179	9.9	18.8
4 11	11 51.61	−23 27.3	1.210	2.157	11.7	18.8
4 21	11 44.70	−22 18.9	1.221	2.136	14.8	18.9
5 1	11 40.85	−21 3.2	1.252	2.115	18.3	19.1

507305 2011 OO_{11} 3 23.0 229°.60 0°.8/23.9 17

2 21	12 29.13	− 5 55.7	2.555	3.393	10.2	22.4
3 2	12 24.02	− 5 26.2	2.465	3.383	7.4	22.2
3 12	12 17.51	− 4 45.7	2.402	3.373	4.2	22.0
3 22	12 10.15	− 3 57.4	2.368	3.363	1.0	21.8
4 1	12 2.63	− 3 5.5	2.363	3.352	3.0	21.9
4 11	11 55.67	− 2 15.1	2.388	3.341	6.3	22.1
4 21	11 49.86	− 1 30.4	2.440	3.329	9.4	22.3
5 1	11 45.68	− 0 55.1	2.516	3.317	12.1	22.4

346383 2008 SO_{56} 3 23.0 253°.81 0°.9/22.1 17

2 21	12 33.21	+ 0 22.5	2.246	3.100	10.8	21.9
3 2	12 27.13	+ 0 47.7	2.151	3.080	7.7	21.7
3 12	12 19.29	+ 1 20.2	2.082	3.059	4.1	21.4
3 22	12 10.33	+ 1 56.1	2.042	3.038	0.9	21.1
4 1	12 1.08	+ 2 30.5	2.033	3.016	4.1	21.3
4 11	11 52.43	+ 2 58.6	2.052	2.994	7.9	21.5
4 21	11 45.17	+ 3 16.9	2.098	2.971	11.4	21.7
5 1	11 39.86	+ 3 22.7	2.165	2.948	14.4	21.8

197803 2004 PH_{67} 3 23.0 282°.57 3°.8/25.9 18

2 21	12 32.15	−11 47.2	1.404	2.245	16.8	20.2
3 2	12 27.17	−11 40.2	1.322	2.235	12.9	19.9
3 12	12 19.61	−11 8.9	1.262	2.225	8.4	19.6
3 22	12 10.37	−10 15.6	1.226	2.214	4.4	19.4
4 1	12 0.71	− 9 6.2	1.215	2.204	5.1	19.4
4 11	11 52.08	− 7 50.6	1.230	2.194	9.6	19.6
4 21	11 45.60	− 6 38.9	1.268	2.183	14.3	19.8
5 1	11 42.03	− 5 39.4	1.326	2.173	18.5	20.0

11889 1991 AH_{2} 3 23.0 208°.92 6°.7/13.7 18 R

2 21	12 30.37	+19 5.6	2.363	3.232	9.8	17.5
3 2	12 24.98	+20 43.6	2.308	3.227	7.8	17.3
3 12	12 18.05	+22 15.2	2.279	3.221	6.7	17.2
3 22	12 10.20	+23 33.0	2.279	3.214	7.3	17.3
4 1	12 2.25	+24 30.8	2.307	3.207	9.1	17.4
4 11	11 55.02	+25 5.1	2.359	3.200	11.4	17.5
4 21	11 49.16	+25 15.7	2.434	3.192	13.6	17.6
5 1	11 45.14	+25 4.0	2.525	3.184	15.5	17.8

282296 2002 QF_{38} 3 23.0 182°.47 0°.9/21.8 17

2 21	12 28.14	− 1 25.3	2.369	3.226	10.3	21.3
3 2	12 23.33	− 0 21.9	2.295	3.226	7.2	21.1
3 12	12 17.13	+ 0 50.8	2.248	3.226	3.7	20.9
3 22	12 10.12	+ 2 7.5	2.230	3.226	0.9	20.6
4 1	12 3.02	+ 3 22.2	2.243	3.225	3.9	20.9
4 11	11 56.56	+ 4 29.0	2.284	3.225	7.3	21.1
4 21	11 51.35	+ 5 23.6	2.351	3.223	10.4	21.3
5 1	11 47.81	+ 6 3.3	2.441	3.222	13.0	21.4

373099 2011 GX_{9} 3 23.0 82°.19 2°.2/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.02	−12 10.2	1.918	2.745	13.6	20.5
3 2	12 24.11	−11 9.6	1.857	2.764	10.1	20.3
3 12	12 17.57	− 9 49.1	1.820	2.783	6.3	20.1
3 22	12 10.16	− 8 14.0	1.811	2.802	2.7	19.9
4 1	12 2.77	− 6 31.7	1.831	2.821	3.5	20.0
4 11	11 56.30	− 4 51.2	1.880	2.839	7.2	20.3
4 21	11 51.41	− 3 20.1	1.955	2.858	10.7	20.5
5 1	11 48.52	− 2 3.9	2.053	2.876	13.7	20.7

122867 2000 SG_{136} 3 23.0 85°.92 4°.6/27.4 18

2 21	12 33.65	−15 26.6	1.895	2.700	14.6	20.2
3 2	12 27.47	−15 38.2	1.833	2.719	11.4	20.0
3 12	12 19.43	−15 29.7	1.793	2.737	8.0	19.8
3 22	12 10.34	−15 2.3	1.779	2.755	5.2	19.7
4 1	12 1.22	−14 19.8	1.793	2.773	5.0	19.7
4 11	11 53.08	−13 28.8	1.834	2.790	7.6	19.9
4 21	11 46.70	−12 36.2	1.901	2.808	10.8	20.1
5 1	11 42.59	−11 48.2	1.991	2.825	13.7	20.3

81745 2000 JP_{51} 3 23.0 256°.96 0°.8/22.3 18

2 21	12 33.30	− 0 33.6	2.059	2.915	11.6	19.5
3 2	12 27.34	− 0 3.5	1.964	2.894	8.3	19.2
3 12	12 19.48	+ 0 35.7	1.895	2.873	4.4	19.0
3 22	12 10.37	+ 1 19.8	1.855	2.851	0.8	18.6
4 1	12 0.93	+ 2 3.2	1.844	2.828	4.3	18.9
4 11	11 52.14	+ 2 40.3	1.861	2.805	8.4	19.1
4 21	11 44.84	+ 3 6.6	1.904	2.781	12.2	19.3
5 1	11 39.66	+ 3 19.2	1.968	2.757	15.4	19.4

87765 2000 SZ_{90} 3 23.0 224°.19 5°.9/31.7 18

2 21	12 28.31	−26 3.9	2.811	3.536	12.2	20.1
3 2	12 23.46	−25 56.4	2.710	3.528	10.4	20.0
3 12	12 17.23	−25 28.0	2.631	3.520	8.4	19.8
3 22	12 10.15	−24 38.5	2.578	3.511	6.6	19.7
4 1	12 2.90	−23 30.2	2.552	3.502	5.9	19.6
4 11	11 56.21	−22 7.8	2.554	3.493	6.7	19.7
4 21	11 50.67	−20 37.3	2.584	3.483	8.6	19.8
5 1	11 46.75	−19 5.4	2.640	3.473	10.7	19.9

96838 1999 RQ_{202} 3 23.0 199°.09 3°.1/26.4 18

2 21	12 31.85	−12 45.5	2.386	3.194	11.9	20.1
3 2	12 26.05	−12 42.4	2.298	3.190	9.1	19.9
3 12	12 18.65	−12 24.0	2.235	3.187	6.1	19.7
3 22	12 10.29	−11 51.8	2.200	3.183	3.5	19.6
4 1	12 1.75	−11 9.3	2.194	3.178	3.7	19.6
4 11	11 53.85	−10 21.3	2.217	3.173	6.5	19.7
4 21	11 47.28	− 9 33.2	2.268	3.168	9.6	19.9
5 1	11 42.55	− 8 50.1	2.342	3.162	12.4	20.1

401490 2013 DV_{8} 3 23.0 232°.94 0°.9/22.2 17

2 21	12 33.30	− 1 53.5	1.798	2.657	12.9	21.6
3 2	12 27.50	− 1 0.7	1.713	2.644	9.2	21.3
3 12	12 19.61	+ 0 5.2	1.652	2.630	4.9	21.0
3 22	12 10.39	+ 1 18.3	1.620	2.616	0.9	20.7
4 1	12 0.86	+ 2 30.9	1.616	2.601	4.8	20.9
4 11	11 52.14	+ 3 35.2	1.640	2.585	9.3	21.2
4 21	11 45.15	+ 4 25.2	1.688	2.568	13.4	21.4
5 1	11 40.51	+ 4 57.3	1.758	2.551	16.9	21.6

246799 2009 EA_{15} 3 23.0 176°.64 0°.9/21.9 17

2 21	12 28.68	− 0 30.4	2.347	3.205	10.3	20.9
3 2	12 23.73	+ 0 12.3	2.275	3.206	7.2	20.7
3 12	12 17.36	+ 1 2.7	2.229	3.206	3.8	20.5
3 22	12 10.17	+ 1 56.4	2.211	3.207	0.9	20.3
4 1	12 2.89	+ 2 48.1	2.223	3.207	3.8	20.5
4 11	11 56.28	+ 3 32.9	2.264	3.207	7.2	20.7
4 21	11 50.93	+ 4 7.1	2.331	3.207	10.3	20.9
5 1	11 47.29	+ 4 28.3	2.420	3.207	13.0	21.1

134104 2004 XZ_{144} 3 23.0 110°.80 1°.4/21.5 18

2 21	12 29.98	+ 0 14.6	2.014	2.877	11.5	19.9
3 2	12 24.77	+ 1 7.8	1.951	2.885	8.0	19.7
3 12	12 17.96	+ 2 9.3	1.915	2.893	4.2	19.5
3 22	12 10.24	+ 3 13.1	1.906	2.901	1.4	19.3
4 1	12 2.48	+ 4 13.0	1.927	2.909	4.5	19.5
4 11	11 55.55	+ 5 3.0	1.975	2.916	8.2	19.8
4 21	11 50.13	+ 5 39.3	2.049	2.923	11.6	20.0
5 1	11 46.66	+ 5 59.7	2.143	2.931	14.4	20.2

182074 2000 GC_{119} 3 23.0 149°.89 0°.3/23.3 18

2 21	12 31.60	− 5 7.1	2.090	2.935	11.9	20.6
3 2	12 25.89	− 4 17.1	2.022	2.944	8.5	20.4
3 12	12 18.55	− 3 14.5	1.979	2.953	4.7	20.1
3 22	12 10.30	− 2 4.0	1.965	2.961	0.6	19.8
4 1	12 1.99	− 0 52.2	1.981	2.969	3.6	20.1
4 11	11 54.50	+ 0 14.4	2.025	2.975	7.5	20.3
4 21	11 48.52	+ 1 10.5	2.096	2.981	10.9	20.6
5 1	11 44.50	+ 1 52.5	2.189	2.987	13.8	20.8

462020 2006 YA_{54} 3 23.0 82°.64 4°.6/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.90	+ 8 4.7	1.673	2.553	12.5	21.1
3 2	12 26.27	+ 9 25.9	1.631	2.571	8.8	20.9
3 12	12 18.78	+10 48.0	1.614	2.588	5.5	20.7
3 22	12 10.31	+12 2.3	1.624	2.606	4.8	20.7
4 1	12 1.94	+13 0.8	1.662	2.623	7.6	20.9
4 11	11 54.68	+13 38.3	1.726	2.640	11.0	21.2
4 21	11 49.27	+13 53.4	1.812	2.657	14.2	21.4
5 1	11 46.15	+13 46.8	1.916	2.673	16.9	21.6

490308 2009 BE_{38} 3 23.0 58°.28 0°.5/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.21	− 1 47.8	1.875	2.735	12.4	21.4
3 2	12 25.59	− 1 13.5	1.829	2.760	8.7	21.2
3 12	12 18.35	− 0 30.0	1.808	2.786	4.6	21.0
3 22	12 10.28	+ 0 17.4	1.815	2.812	0.5	20.7
4 1	12 2.31	+ 1 3.0	1.851	2.837	4.0	21.1
4 11	11 55.35	+ 1 41.1	1.914	2.863	7.9	21.4
4 21	11 50.04	+ 2 8.1	2.002	2.889	11.3	21.6
5 1	11 46.77	+ 2 21.7	2.112	2.914	14.1	21.8

400335 2007 UO_{34} 3 23.0 164°.09 4°.1/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.73	−14 17.5	1.809	2.622	14.8	21.0
3 2	12 27.74	−14 12.5	1.732	2.626	11.5	20.8
3 12	12 19.70	−13 46.3	1.678	2.629	7.9	20.6
3 22	12 10.42	−13 0.6	1.651	2.633	4.7	20.4
4 1	12 0.96	−12 0.3	1.651	2.635	4.8	20.4
4 11	11 52.45	−10 52.8	1.679	2.637	8.0	20.6
4 21	11 45.73	− 9 45.9	1.732	2.639	11.6	20.8
5 1	11 41.40	− 8 46.7	1.808	2.640	14.9	21.0

29610 Iyengar 3 23.0 245°.02 2°.5/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.62	− 9 37.1	1.576	2.417	15.3	18.9
3 2	12 28.02	− 9 16.3	1.489	2.404	11.5	18.7
3 12	12 20.04	− 8 34.7	1.425	2.392	7.1	18.4
3 22	12 10.47	− 7 35.3	1.386	2.378	3.0	18.1
4 1	12 0.49	− 6 24.4	1.375	2.365	4.4	18.2
4 11	11 51.43	− 5 11.1	1.390	2.350	9.1	18.4
4 21	11 44.33	− 4 4.2	1.430	2.335	13.7	18.6
5 1	11 39.93	− 3 10.6	1.490	2.320	17.7	18.8

379725 2011 GQ_{44} 3 23.0 134°.29 1°.4/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.50	− 0 8.4	1.964	2.829	11.7	21.0
3 2	12 24.51	+ 0 54.1	1.898	2.833	8.1	20.8
3 12	12 17.85	+ 2 5.9	1.858	2.837	4.3	20.6
3 22	12 10.25	+ 3 20.9	1.846	2.841	1.4	20.4
4 1	12 2.57	+ 4 31.9	1.863	2.845	4.7	20.6
4 11	11 55.71	+ 5 32.3	1.908	2.848	8.5	20.9
4 21	11 50.37	+ 6 17.6	1.977	2.852	12.0	21.1
5 1	11 47.02	+ 6 45.6	2.068	2.855	14.9	21.3

137013 1998 SF_{130} 3 23.0 91°.09 0°.6/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.07	− 1 27.8	1.734	2.592	13.3	20.2
3 2	12 28.42	− 0 55.9	1.685	2.615	9.3	20.0
3 12	12 19.91	− 0 14.5	1.661	2.638	4.9	19.8
3 22	12 10.44	+ 0 31.2	1.664	2.661	0.6	19.5
4 1	12 1.07	+ 1 14.7	1.697	2.683	4.4	19.9
4 11	11 52.86	+ 1 50.3	1.757	2.705	8.6	20.2
4 21	11 46.53	+ 2 14.0	1.841	2.726	12.2	20.4
5 1	11 42.54	+ 2 23.7	1.947	2.747	15.2	20.7

59576 1999 JM_{51} 3 23.0 302°.79 7°.1/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.13	+16 37.2	1.731	2.607	12.4	19.1
3 2	12 28.01	+17 39.2	1.675	2.604	9.5	18.9
3 12	12 19.81	+18 34.2	1.643	2.601	7.4	18.8
3 22	12 10.44	+19 13.9	1.638	2.597	7.5	18.8
4 1	12 1.00	+19 31.6	1.659	2.594	9.8	18.9
4 11	11 52.65	+19 24.4	1.705	2.591	12.8	19.1
4 21	11 46.22	+18 52.9	1.772	2.588	15.7	19.3
5 1	11 42.24	+17 59.9	1.857	2.585	18.3	19.5

456902 2007 VT_{206} 3 23.0 164°.56 0°.7/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.45	− 6 22.6	1.958	2.801	12.7	22.3
3 2	12 26.61	− 5 32.4	1.886	2.807	9.2	22.1
3 12	12 19.00	− 4 27.3	1.839	2.812	5.1	21.9
3 22	12 10.36	− 3 12.2	1.821	2.816	1.0	21.6
4 1	12 1.63	− 1 54.1	1.831	2.820	3.7	21.8
4 11	11 53.76	− 0 40.5	1.871	2.823	7.8	22.1
4 21	11 47.50	+ 0 22.6	1.936	2.825	11.5	22.3
5 1	11 43.36	+ 1 11.0	2.024	2.827	14.6	22.5

346784 2009 BQ_{130} 3 23.0 83°.73 0°.3/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.55	− 0 57.8	2.191	3.046	11.0	21.1
3 2	12 25.82	− 0 43.2	2.121	3.050	7.8	20.9
3 12	12 18.52	− 0 21.2	2.078	3.054	4.2	20.7
3 22	12 10.32	+ 0 4.5	2.062	3.058	0.4	20.4
4 1	12 2.05	+ 0 29.7	2.076	3.063	3.6	20.7
4 11	11 54.54	+ 0 50.1	2.119	3.067	7.3	20.9
4 21	11 48.46	+ 1 2.5	2.187	3.071	10.6	21.1
5 1	11 44.26	+ 1 4.5	2.278	3.075	13.4	21.3

433849 2015 BJ_{272} 3 23.0 82°.83 0°.3/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.57	− 2 21.7	1.892	2.751	12.3	21.0
3 2	12 25.33	− 1 46.3	1.823	2.754	8.7	20.8
3 12	12 18.33	− 1 0.0	1.780	2.757	4.7	20.6
3 22	12 10.31	− 0 8.0	1.764	2.760	0.5	20.2
4 1	12 2.19	+ 0 43.8	1.776	2.763	4.1	20.5
4 11	11 54.93	+ 1 29.0	1.816	2.766	8.2	20.8
4 21	11 49.26	+ 2 3.1	1.881	2.769	11.8	21.0
5 1	11 45.70	+ 2 23.1	1.967	2.773	14.9	21.2

167618 2004 CV_{24} 3 23.0 55°.20 1°.9/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.86	− 9 3.1	2.049	2.886	12.5	20.1
3 2	12 24.04	− 8 38.2	1.978	2.892	9.2	19.9
3 12	12 17.61	− 7 58.0	1.931	2.897	5.6	19.7
3 22	12 10.24	− 7 6.1	1.911	2.903	2.3	19.5
4 1	12 2.79	− 6 7.6	1.920	2.909	3.4	19.6
4 11	11 56.11	− 5 8.9	1.957	2.916	7.0	19.8
4 21	11 50.90	− 4 15.7	2.019	2.922	10.4	20.0
5 1	11 47.61	− 3 32.7	2.105	2.928	13.4	20.2

98491 2000 UA_{109} 3 23.0 113°.36 3°.4/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.50	+ 4 5.9	1.563	2.441	13.4	19.8
3 2	12 26.90	+ 5 23.1	1.510	2.450	9.3	19.6
3 12	12 19.22	+ 6 46.9	1.481	2.459	5.2	19.3
3 22	12 10.39	+ 8 8.2	1.479	2.468	3.6	19.3
4 1	12 1.55	+ 9 17.9	1.505	2.477	6.8	19.5
4 11	11 53.84	+10 8.9	1.556	2.486	10.9	19.7
4 21	11 48.09	+10 37.9	1.631	2.494	14.6	20.0
5 1	11 44.81	+10 44.5	1.724	2.502	17.7	20.2

110443 2001 TA_{37} 3 23.0 161°.58 2°.1/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.62	+ 4 0.3	2.242	3.103	10.6	20.5
3 2	12 27.22	+ 4 38.7	2.176	3.109	7.4	20.3
3 12	12 19.25	+ 5 21.1	2.137	3.115	4.0	20.1
3 22	12 10.40	+ 6 2.5	2.128	3.120	2.2	20.0
4 1	12 1.51	+ 6 37.9	2.148	3.124	4.8	20.1
4 11	11 53.41	+ 7 2.9	2.197	3.128	8.1	20.4
4 21	11 46.78	+ 7 15.2	2.272	3.131	11.2	20.6
5 1	11 42.07	+ 7 13.8	2.369	3.134	13.8	20.7

148533 2001 QZ_{32} 3 23.0 184°.33 1°.0/21.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.84	− 0 22.9	2.262	3.116	10.8	21.8
3 2	12 26.02	+ 0 25.1	2.187	3.116	7.5	21.6
3 12	12 18.64	+ 1 21.4	2.139	3.116	4.0	21.4
3 22	12 10.35	+ 2 21.0	2.120	3.115	1.0	21.2
4 1	12 1.95	+ 3 18.3	2.131	3.114	4.1	21.4
4 11	11 54.27	+ 4 7.8	2.172	3.112	7.7	21.6
4 21	11 47.97	+ 4 45.6	2.238	3.109	10.9	21.8
5 1	11 43.53	+ 5 9.3	2.327	3.105	13.7	22.0

280147 2002 PJ_{100} 3 23.0 235°.10 0°.1/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.16	− 3 2.6	1.630	2.485	14.2	21.5
3 2	12 29.78	− 2 31.8	1.543	2.472	10.2	21.3
3 12	12 20.98	− 1 47.0	1.481	2.457	5.6	21.0
3 22	12 10.60	− 0 53.1	1.446	2.442	0.5	20.5
4 1	11 59.81	+ 0 2.8	1.439	2.426	4.7	20.8
4 11	11 49.93	+ 0 53.0	1.459	2.409	9.7	21.1
4 21	11 42.01	+ 1 31.2	1.503	2.392	14.2	21.3
5 1	11 36.77	+ 1 53.1	1.568	2.373	18.1	21.5

88110 2000 WK_{98} 3 23.0 97°.43 4°.1/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.40	+ 8 50.4	1.933	2.808	11.4	18.8
3 2	12 26.48	+ 9 48.0	1.884	2.821	8.0	18.6
3 12	12 18.88	+10 45.6	1.861	2.835	5.0	18.4
3 22	12 10.38	+11 36.4	1.866	2.848	4.3	18.4
4 1	12 1.93	+12 14.5	1.900	2.861	6.7	18.6
4 11	11 54.45	+12 35.6	1.959	2.874	9.9	18.8
4 21	11 48.63	+12 38.5	2.043	2.886	12.9	19.0
5 1	11 44.89	+12 23.7	2.146	2.899	15.4	19.2

59664 1999 JB_{97} 3 23.0 224°.38 3°.0/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.65	+ 4 41.0	2.144	3.014	10.6	19.5
3 2	12 24.61	+ 6 3.9	2.068	3.006	7.4	19.3
3 12	12 17.95	+ 7 33.1	2.020	2.997	4.2	19.1
3 22	12 10.30	+ 9 1.3	2.001	2.988	3.2	19.0
4 1	12 2.49	+10 21.1	2.011	2.978	5.9	19.2
4 11	11 55.38	+11 26.3	2.049	2.968	9.3	19.3
4 21	11 49.65	+12 12.9	2.112	2.957	12.5	19.5
5 1	11 45.82	+12 39.5	2.195	2.946	15.2	19.7

212592 2006 SH_{194} 3 23.0 231°.73 0°.1/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.31	− 1 43.3	2.344	3.195	10.6	20.8
3 2	12 25.64	− 1 30.5	2.265	3.192	7.5	20.6
3 12	12 18.44	− 1 10.1	2.213	3.188	4.1	20.4
3 22	12 10.35	− 0 45.4	2.189	3.185	0.4	20.1
4 1	12 2.12	− 0 20.2	2.194	3.181	3.4	20.3
4 11	11 54.57	+ 0 1.2	2.229	3.178	6.9	20.6
4 21	11 48.33	+ 0 15.6	2.290	3.174	10.2	20.8
5 1	11 43.88	+ 0 20.6	2.373	3.170	12.9	20.9

271017 2003 AV_{10} 3 23.0 111°.82 0°.4/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.74	− 4 20.6	1.942	2.789	12.6	20.7
3 2	12 27.42	− 3 48.4	1.884	2.808	9.0	20.5
3 12	12 19.39	− 3 4.6	1.852	2.826	4.9	20.3
3 22	12 10.43	− 2 13.7	1.848	2.844	0.7	20.0
4 1	12 1.52	− 1 21.8	1.874	2.862	3.7	20.3
4 11	11 53.57	− 0 34.7	1.928	2.879	7.7	20.6
4 21	11 47.30	+ 0 2.8	2.007	2.895	11.2	20.8
5 1	11 43.16	+ 0 27.7	2.109	2.911	14.1	21.0

54981 2001 PU_{61} 3 23.0 188°.11 1°.1/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.85	− 6 5.9	1.962	2.805	12.7	20.0
3 2	12 26.97	− 5 46.2	1.885	2.805	9.2	19.7
3 12	12 19.26	− 5 13.2	1.833	2.804	5.3	19.5
3 22	12 10.44	− 4 30.5	1.808	2.803	1.4	19.2
4 1	12 1.45	− 3 43.1	1.812	2.801	3.6	19.4
4 11	11 53.29	− 2 57.2	1.845	2.799	7.7	19.6
4 21	11 46.74	− 2 18.2	1.903	2.797	11.4	19.8
5 1	11 42.34	− 1 50.1	1.983	2.795	14.6	20.0

23733 Hyojiyun 3 23.0 257°.81 5°.1/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.44	+ 9 34.7	1.643	2.523	12.7	18.5
3 2	12 27.72	+10 42.8	1.573	2.512	9.2	18.3
3 12	12 19.79	+11 52.6	1.528	2.501	6.0	18.1
3 22	12 10.50	+12 55.3	1.509	2.489	5.4	18.0
4 1	12 0.98	+13 42.3	1.518	2.477	8.3	18.2
4 11	11 52.43	+14 7.9	1.552	2.465	12.1	18.3
4 21	11 45.79	+14 9.9	1.607	2.453	15.7	18.5
5 1	11 41.69	+13 48.9	1.681	2.441	18.8	18.7

425267 2009 WM_{113} 3 23.0 82°.12 1°.9/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.45	+ 2 31.3	1.787	2.655	12.5	21.4
3 2	12 27.32	+ 3 6.1	1.734	2.670	8.7	21.2
3 12	12 19.37	+ 3 46.6	1.707	2.685	4.6	21.0
3 22	12 10.44	+ 4 27.1	1.707	2.700	1.9	20.8
4 1	12 1.56	+ 5 1.7	1.735	2.716	5.1	21.1
4 11	11 53.73	+ 5 25.4	1.790	2.731	9.0	21.4
4 21	11 47.68	+ 5 35.2	1.870	2.745	12.5	21.6
5 1	11 43.88	+ 5 30.2	1.971	2.760	15.4	21.8

239245 2006 TB_{44} 3 23.0 301°.28 1°.6/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 27.89	− 8 17.7	2.164	3.003	11.8	20.3
3 2	12 23.40	− 7 50.7	2.076	2.992	8.7	20.1
3 12	12 17.33	− 7 9.2	2.013	2.981	5.3	19.8
3 22	12 10.26	− 6 16.3	1.978	2.971	1.9	19.6
4 1	12 3.00	− 5 16.9	1.971	2.960	3.3	19.7
4 11	11 56.38	− 4 17.1	1.992	2.950	6.9	19.9
4 21	11 51.09	− 3 22.6	2.039	2.940	10.4	20.1
5 1	11 47.65	− 2 38.2	2.109	2.930	13.5	20.2

227438 2005 WN_{26} 3 23.0 77°.17 2°.3/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.08	+ 3 13.1	1.771	2.642	12.4	20.7
3 2	12 26.50	+ 3 55.2	1.707	2.645	8.7	20.5
3 12	12 19.01	+ 4 43.2	1.668	2.647	4.7	20.2
3 22	12 10.42	+ 5 31.1	1.657	2.649	2.3	20.1
4 1	12 1.75	+ 6 12.2	1.673	2.652	5.5	20.3
4 11	11 54.03	+ 6 41.0	1.716	2.654	9.5	20.5
4 21	11 48.06	+ 6 54.3	1.783	2.657	13.1	20.7
5 1	11 44.34	+ 6 50.9	1.871	2.659	16.2	21.0

231776 1999 XM_{127} 3 23.0 112°.82 3°.1/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.50	+ 3 40.3	1.517	2.389	14.1	20.5
3 2	12 29.67	+ 4 47.0	1.471	2.408	9.8	20.3
3 12	12 20.69	+ 5 59.6	1.449	2.427	5.3	20.1
3 22	12 10.58	+ 7 9.6	1.455	2.446	3.2	20.0
4 1	12 0.60	+ 8 8.2	1.489	2.464	6.6	20.2
4 11	11 51.94	+ 8 49.2	1.549	2.481	10.8	20.5
4 21	11 45.43	+ 9 9.7	1.632	2.497	14.5	20.8
5 1	11 41.54	+ 9 9.7	1.734	2.513	17.6	21.0

68096 2000 YW_{113} 3 23.0 179°.13 2°.4/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.30	−10 15.9	2.047	2.870	13.0	20.1
3 2	12 27.96	− 9 59.4	1.967	2.872	9.8	19.9
3 12	12 19.79	− 9 26.6	1.912	2.873	6.1	19.7
3 22	12 10.51	− 8 40.2	1.884	2.874	2.8	19.5
4 1	12 1.07	− 7 45.0	1.886	2.874	3.7	19.5
4 11	11 52.44	− 6 47.3	1.917	2.873	7.3	19.7
4 21	11 45.42	− 5 53.4	1.974	2.871	10.9	19.9
5 1	11 40.54	− 5 8.4	2.054	2.869	14.0	20.2

167046 2003 QK_{54} 3 23.0 137°.84 1°.4/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.36	+ 1 1.1	1.934	2.792	12.1	20.5
3 2	12 28.60	+ 1 41.5	1.875	2.806	8.5	20.3
3 12	12 20.06	+ 2 29.1	1.841	2.819	4.5	20.1
3 22	12 10.53	+ 3 18.3	1.837	2.831	1.4	19.9
4 1	12 1.01	+ 4 3.1	1.861	2.843	4.7	20.1
4 11	11 52.48	+ 4 38.1	1.915	2.854	8.6	20.4
4 21	11 45.67	+ 5 0.0	1.993	2.864	12.0	20.6
5 1	11 41.06	+ 5 7.1	2.093	2.873	14.9	20.8

178918 2001 QZ_{4} 3 23.0 228°.53 4°.6/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.14	+ 8 7.4	1.949	2.826	11.2	19.9
3 2	12 25.11	+ 9 51.1	1.879	2.817	7.9	19.7
3 12	12 18.29	+11 39.0	1.836	2.808	5.2	19.5
3 22	12 10.37	+13 22.0	1.821	2.799	5.0	19.5
4 1	12 2.27	+14 51.3	1.836	2.789	7.6	19.6
4 11	11 54.94	+16 0.0	1.877	2.778	11.0	19.8
4 21	11 49.15	+16 44.8	1.941	2.767	14.2	20.0
5 1	11 45.45	+17 5.3	2.024	2.756	16.9	20.1

351467 2005 NX_{94} 3 23.0 215°.63 1°.3/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 27.33	+ 0 34.0	2.562	3.422	9.5	21.0
3 2	12 22.74	+ 1 32.4	2.485	3.418	6.6	20.8
3 12	12 16.86	+ 2 38.0	2.436	3.414	3.5	20.6
3 22	12 10.23	+ 3 45.8	2.416	3.410	1.3	20.5
4 1	12 3.49	+ 4 50.7	2.426	3.405	3.9	20.6
4 11	11 57.32	+ 5 47.5	2.464	3.401	7.1	20.8
4 21	11 52.28	+ 6 32.6	2.529	3.396	10.0	21.0
5 1	11 48.79	+ 7 3.7	2.617	3.391	12.4	21.2

128389 Dougleland 3 23.0 281°.69 6°.4/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.49	+17 24.4	2.251	3.126	10.0	19.6
3 2	12 23.73	+18 52.5	2.196	3.121	7.8	19.4
3 12	12 17.45	+20 15.1	2.167	3.117	6.4	19.3
3 22	12 10.29	+21 25.0	2.166	3.112	6.9	19.4
4 1	12 3.04	+22 16.0	2.193	3.108	8.8	19.5
4 11	11 56.52	+22 44.6	2.244	3.104	11.2	19.6
4 21	11 51.38	+22 50.3	2.317	3.099	13.5	19.8
5 1	11 48.07	+22 34.4	2.408	3.095	15.5	19.9

360759 2004 XC_{164} 3 23.0 79°.17 4°.2/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.34	+ 5 28.9	1.414	2.295	14.3	20.2
3 2	12 28.16	+ 6 56.6	1.379	2.321	9.9	20.0
3 12	12 19.86	+ 8 27.7	1.369	2.346	5.7	19.8
3 22	12 10.51	+ 9 51.9	1.385	2.372	4.4	19.8
4 1	12 1.38	+10 59.5	1.429	2.397	7.6	20.0
4 11	11 53.65	+11 44.6	1.497	2.422	11.6	20.3
4 21	11 48.10	+12 5.2	1.587	2.446	15.2	20.6
5 1	11 45.14	+12 2.5	1.696	2.470	18.1	20.9

168962 2001 BK_{27} 3 23.0 57°.60 0°.5/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.20	− 2 56.5	1.329	2.201	15.7	20.0
3 2	12 26.89	− 2 6.9	1.281	2.218	11.1	19.8
3 12	12 19.30	− 1 2.5	1.256	2.235	5.9	19.5
3 22	12 10.47	+ 0 9.0	1.256	2.252	0.6	19.2
4 1	12 1.71	+ 1 18.1	1.283	2.270	5.1	19.5
4 11	11 54.29	+ 2 15.9	1.334	2.288	10.1	19.9
4 21	11 49.08	+ 2 56.6	1.409	2.306	14.4	20.2
5 1	11 46.55	+ 3 17.5	1.502	2.325	17.9	20.4

197531 2004 EL_{45} 3 23.0 296°.00 0°.8/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.25	− 2 46.3	1.245	2.121	16.2	20.9
3 2	12 26.85	− 1 56.5	1.162	2.101	11.7	20.5
3 12	12 19.65	− 0 47.0	1.101	2.080	6.3	20.2
3 22	12 10.54	+ 0 35.2	1.064	2.060	0.8	19.7
4 1	12 0.86	+ 1 59.4	1.052	2.040	5.9	20.0
4 11	11 52.20	+ 3 13.7	1.064	2.020	11.9	20.3
4 21	11 45.84	+ 4 8.9	1.098	2.000	17.2	20.5
5 1	11 42.62	+ 4 39.8	1.149	1.981	21.7	20.7

41683 2000 UZ_{14} 3 23.0 106°.06 1°.9/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.83	+ 2 5.0	1.537	2.407	14.1	19.7
3 2	12 29.32	+ 2 35.0	1.479	2.415	9.9	19.5
3 12	12 20.59	+ 3 12.4	1.445	2.424	5.2	19.3
3 22	12 10.60	+ 3 50.7	1.437	2.432	1.9	19.0
4 1	12 0.58	+ 4 23.3	1.458	2.440	5.6	19.3
4 11	11 51.77	+ 4 44.3	1.504	2.448	10.1	19.6
4 21	11 45.05	+ 4 50.3	1.574	2.456	14.1	19.8
5 1	11 40.97	+ 4 40.1	1.664	2.463	17.4	20.1

240307 2003 FH_{99} 3 23.1 320°.46 4°.0/20.4 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.09	+ 5 45.7	1.210	2.098	15.7	20.1
3 2	12 28.78	+ 6 23.5	1.142	2.086	11.1	19.8
3 12	12 20.62	+ 7 6.9	1.095	2.075	6.4	19.5
3 22	12 10.62	+ 7 47.0	1.073	2.063	4.1	19.3
4 1	12 0.28	+ 8 14.7	1.075	2.053	7.9	19.5
4 11	11 51.20	+ 8 22.9	1.101	2.043	13.1	19.7
4 21	11 44.60	+ 8 8.6	1.147	2.034	17.8	20.0
5 1	11 41.22	+ 7 32.0	1.210	2.025	21.8	20.2

186158 2001 UF_{107} 3 23.1 200°.44 3°.7/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.71	+ 8 44.6	2.173	3.040	10.6	21.7
3 2	12 27.42	+ 9 35.1	2.103	3.037	7.5	21.5
3 12	12 19.45	+10 26.4	2.060	3.033	4.7	21.3
3 22	12 10.50	+11 12.6	2.046	3.028	3.9	21.2
4 1	12 1.44	+11 47.9	2.061	3.023	6.2	21.4
4 11	11 53.16	+12 8.3	2.104	3.017	9.4	21.5
4 21	11 46.39	+12 12.0	2.171	3.010	12.4	21.7
5 1	11 41.61	+11 58.9	2.259	3.003	15.0	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
112689 2002 PR_{99}			3 23.1 203°.34	3°.7/19.5 18		
	h m	° ′			°	m
2 21	12 32.55	+ 6 13.9	1.776	2.651	12.2	20.0
3 2	12 26.89	+ 7 20.5	1.710	2.648	8.6	19.8
3 12	12 19.27	+ 8 31.3	1.669	2.646	5.0	19.5
3 22	12 10.49	+ 9 38.7	1.656	2.643	3.9	19.5
4 1	12 1.57	+10 34.9	1.672	2.639	6.8	19.6
4 11	11 53.59	+11 13.9	1.713	2.636	10.6	19.8
4 21	11 47.37	+11 32.8	1.778	2.632	14.1	20.1
5 1	11 43.44	+11 31.1	1.862	2.628	17.0	20.3
100244 1994 QB			3 23.1 226°.65	7°.0/10.4 18		
2 21	12 29.77	+26 49.9	3.058	3.904	8.5	20.7
3 2	12 24.41	+28 16.9	3.004	3.892	7.4	20.6
3 12	12 17.76	+29 34.2	2.978	3.879	7.1	20.5
3 22	12 10.34	+30 36.2	2.979	3.866	7.7	20.6
4 1	12 2.80	+31 18.7	3.007	3.852	9.0	20.6
4 11	11 55.82	+31 39.6	3.059	3.837	10.6	20.7
4 21	11 49.96	+31 39.3	3.132	3.822	12.1	20.8
5 1	11 45.63	+31 19.4	3.221	3.807	13.4	20.9
65428 2002 TY_{176}			3 23.1 115°.51	7°.0/30.4 18		
2 21	12 33.47	−23 6.8	1.941	2.703	15.8	18.6
3 2	12 27.52	−23 21.6	1.870	2.717	13.1	18.4
3 12	12 19.60	−23 10.5	1.820	2.730	10.2	18.2
3 22	12 10.52	−22 33.5	1.794	2.743	7.8	18.1
4 1	12 1.34	−21 33.6	1.794	2.756	7.0	18.1
4 11	11 53.12	−20 17.8	1.822	2.768	8.4	18.2
4 21	11 46.68	−18 54.6	1.875	2.780	11.0	18.4
5 1	11 42.56	−17 32.8	1.951	2.791	13.7	18.6
341603 2007 UV_{107}			3 23.1 186°.13	0°.6/23.8 17		
2 21	12 29.83	− 5 8.9	2.400	3.242	10.7	22.0
3 2	12 24.58	− 4 40.7	2.321	3.241	7.7	21.8
3 12	12 17.89	− 4 1.8	2.269	3.241	4.3	21.6
3 22	12 10.36	− 3 15.8	2.245	3.240	0.9	21.4
4 1	12 2.71	− 2 27.1	2.251	3.239	3.1	21.5
4 11	11 55.71	− 1 40.8	2.285	3.238	6.6	21.7
4 21	11 49.97	− 1 1.1	2.347	3.236	9.7	21.9
5 1	11 45.94	− 0 31.4	2.432	3.234	12.5	22.1
328686 2009 SB_{343}			3 23.1 242°.24	1°.3/21.7 17		
2 21	12 31.63	− 0 1.6	2.049	2.909	11.5	22.3
3 2	12 26.15	+ 0 47.9	1.962	2.895	8.1	22.0
3 12	12 18.87	+ 1 47.1	1.902	2.880	4.3	21.8
3 22	12 10.46	+ 2 50.6	1.870	2.865	1.3	21.5
4 1	12 1.80	+ 3 51.9	1.867	2.849	4.6	21.7
4 11	11 53.83	+ 4 44.7	1.892	2.833	8.6	21.9
4 21	11 47.34	+ 5 24.2	1.943	2.816	12.2	22.1
5 1	11 42.90	+ 5 47.7	2.014	2.799	15.3	22.3
209021 2003 EE_{14}			3 23.1 90°.79	0°.3/23.3 17		
2 21	12 31.46	− 2 56.3	2.284	3.132	10.9	20.2
3 2	12 25.71	− 2 43.8	2.217	3.142	7.8	20.0
3 12	12 18.47	− 2 22.8	2.177	3.152	4.2	19.8
3 22	12 10.41	− 1 56.7	2.165	3.162	0.6	19.5
4 1	12 2.31	− 1 29.3	2.183	3.171	3.3	19.7
4 11	11 54.96	− 1 5.1	2.230	3.181	6.8	20.0
4 21	11 48.99	− 0 47.4	2.303	3.191	10.0	20.2
5 1	11 44.83	− 0 38.8	2.399	3.200	12.7	20.4
472997 2015 HU_{28}			3 23.1 251°.02	1°.7/20.9 17		
2 21	12 27.76	+ 1 19.0	2.234	3.099	10.4	21.0
3 2	12 23.20	+ 2 22.3	2.161	3.096	7.2	20.8
3 12	12 17.18	+ 3 33.2	2.114	3.093	3.8	20.5
3 22	12 10.29	+ 4 46.1	2.096	3.090	1.8	20.4
4 1	12 3.29	+ 5 54.5	2.108	3.086	4.6	20.6
4 11	11 56.96	+ 6 52.7	2.148	3.083	8.0	20.8
4 21	11 51.92	+ 7 36.8	2.212	3.079	11.2	21.0
5 1	11 48.63	+ 8 4.5	2.299	3.076	13.9	21.1
472165 2014 DW_{26}			3 23.1 221°.03	2°.5/19.7 17		
2 21	12 27.24	+ 4 2.7	2.432	3.301	9.6	21.1
3 2	12 22.75	+ 5 16.2	2.361	3.298	6.6	20.9
3 12	12 16.90	+ 6 34.9	2.317	3.294	3.7	20.7
3 22	12 10.27	+ 7 53.0	2.302	3.291	2.6	20.6
4 1	12 3.53	+ 9 4.4	2.317	3.287	5.0	20.7
4 11	11 57.41	+10 3.8	2.361	3.283	8.1	20.9
4 21	11 52.47	+10 47.9	2.429	3.279	10.9	21.1
5 1	11 49.14	+11 15.0	2.519	3.275	13.3	21.3
268392 2005 UB_{143}			3 23.1 120°.88	0°.8/23.8 17		
2 21	12 31.66	− 5 35.6	1.932	2.779	12.7	21.8
3 2	12 26.09	− 5 4.6	1.865	2.787	9.1	21.6
3 12	12 18.77	− 4 20.3	1.823	2.796	5.1	21.4
3 22	12 10.45	− 3 27.2	1.809	2.804	1.1	21.1
4 1	12 2.07	− 2 31.1	1.823	2.812	3.6	21.3
4 11	11 54.57	− 1 38.5	1.865	2.820	7.6	21.6
4 21	11 48.67	− 0 54.7	1.933	2.827	11.3	21.8
5 1	11 44.87	− 0 23.3	2.023	2.835	14.3	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
36823 2000 SM_{86}			3 23.1 107°.91	3°.3/20.0 18		
	h m	° ′			°	m
2 21	12 32.18	+ 3 29.4	1.514	2.392	13.7	18.8
3 2	12 26.77	+ 4 48.7	1.459	2.400	9.5	18.5
3 12	12 19.23	+ 6 15.5	1.429	2.408	5.3	18.3
3 22	12 10.50	+ 7 40.8	1.425	2.415	3.4	18.2
4 1	12 1.73	+ 8 54.8	1.449	2.423	6.8	18.4
4 11	11 54.09	+ 9 49.9	1.498	2.430	11.1	18.7
4 21	11 48.46	+10 22.5	1.570	2.437	14.9	18.9
5 1	11 45.33	+10 31.8	1.661	2.444	18.1	19.2
415957 2001 XG_{102}			3 23.1 124°.23	6°.3/16.8 18		
2 21	12 36.30	+17 6.0	2.045	2.911	11.2	21.2
3 2	12 29.16	+18 3.0	2.003	2.926	8.5	21.0
3 12	12 20.32	+18 52.3	1.986	2.940	6.6	20.9
3 22	12 10.59	+19 27.3	1.998	2.954	6.7	21.0
4 1	12 0.99	+19 42.9	2.037	2.967	8.6	21.1
4 11	11 52.45	+19 37.1	2.103	2.979	11.1	21.3
4 21	11 45.66	+19 10.9	2.191	2.991	13.6	21.5
5 1	11 41.05	+18 26.8	2.299	3.003	15.8	21.7
81850 2000 KL_{60}			3 23.1 200°.59	2°.9/19.6 17		
2 21	12 31.90	+ 6 4.7	2.382	3.247	9.9	19.9
3 2	12 26.06	+ 7 5.4	2.308	3.242	6.9	19.7
3 12	12 18.70	+ 8 9.5	2.262	3.237	4.0	19.5
3 22	12 10.45	+ 9 11.2	2.245	3.231	3.0	19.4
4 1	12 2.08	+10 4.9	2.258	3.224	5.4	19.6
4 11	11 54.38	+10 45.9	2.300	3.217	8.5	19.7
4 21	11 47.99	+11 11.4	2.367	3.209	11.4	19.9
5 1	11 43.40	+11 20.5	2.455	3.200	13.9	20.1
138769 2000 SP_{314}			3 23.1 98°.94	9°.0/ 2.8 18		
2 21	12 38.62	−32 52.9	2.705	3.362	14.1	20.0
3 2	12 30.98	−34 6.4	2.631	3.380	12.5	19.9
3 12	12 21.45	−34 57.5	2.578	3.398	10.9	19.8
3 22	12 10.73	−35 23.2	2.549	3.415	9.6	19.7
4 1	11 59.74	−35 23.2	2.546	3.432	9.0	19.7
4 11	11 49.48	−35 0.4	2.569	3.449	9.3	19.8
4 21	11 40.76	−34 20.1	2.618	3.465	10.3	19.8
5 1	11 34.16	−33 29.2	2.689	3.481	11.7	20.0
89693 2001 YF_{72}			3 23.1 210°.00	1°.2/24.1 18		
2 21	12 34.83	− 6 9.9	1.723	2.568	14.0	19.9
3 2	12 28.66	− 5 50.4	1.643	2.564	10.2	19.7
3 12	12 20.32	− 5 15.6	1.587	2.558	5.9	19.4
3 22	12 10.62	− 4 29.3	1.558	2.553	1.6	19.1
4 1	12 0.66	− 3 37.3	1.557	2.546	4.1	19.3
4 11	11 51.62	− 2 47.0	1.584	2.540	8.6	19.5
4 21	11 44.43	− 2 4.5	1.636	2.532	12.8	19.7
5 1	11 39.73	− 1 34.7	1.709	2.524	16.4	20.0
37610 1993 FP_{7}			3 23.1 281°.76	2°.1/20.7 18		
2 21	12 28.70	+ 1 15.3	1.873	2.744	11.9	19.2
3 2	12 24.19	+ 2 27.9	1.792	2.730	8.3	18.9
3 12	12 17.86	+ 3 51.0	1.736	2.716	4.4	18.7
3 22	12 10.38	+ 5 17.5	1.708	2.701	2.2	18.5
4 1	12 2.66	+ 6 39.2	1.709	2.687	5.5	18.7
4 11	11 55.68	+ 7 48.5	1.736	2.672	9.5	18.9
4 21	11 50.23	+ 8 40.0	1.788	2.658	13.3	19.1
5 1	11 46.89	+ 9 11.1	1.860	2.644	16.4	19.2
508187 2015 FC_{319}			3 23.1 168°.55	4°.2/18.2 17		
2 21	12 30.09	+10 21.5	2.193	3.067	10.2	21.5
3 2	12 24.84	+11 20.2	2.132	3.068	7.3	21.3
3 12	12 18.05	+12 18.3	2.098	3.068	4.8	21.2
3 22	12 10.39	+13 9.8	2.092	3.069	4.5	21.1
4 1	12 2.68	+13 48.8	2.114	3.069	6.6	21.3
4 11	11 55.72	+14 11.6	2.163	3.069	9.5	21.4
4 21	11 50.18	+14 16.6	2.236	3.069	12.3	21.6
5 1	11 46.49	+14 4.1	2.329	3.069	14.7	21.8
105477 2000 QO_{213}			3 23.1 155°.42	0°.5/22.7 18		
2 21	12 35.28	− 1 51.8	1.740	2.597	13.4	20.4
3 2	12 28.82	− 1 20.6	1.674	2.603	9.5	20.1
3 12	12 20.31	− 0 38.5	1.632	2.609	5.1	19.9
3 22	12 10.62	+ 0 9.3	1.618	2.614	0.6	19.5
4 1	12 0.85	+ 0 56.3	1.632	2.619	4.4	19.8
4 11	11 52.09	+ 1 36.1	1.674	2.623	8.9	20.1
4 21	11 45.20	+ 2 4.0	1.741	2.626	12.8	20.4
5 1	11 40.72	+ 2 17.3	1.829	2.629	16.0	20.6
414894 2010 XE_{19}			3 23.1 70°.05	9°.4/13.4 18		
2 21	12 32.87	+21 35.7	1.641	2.517	13.0	20.1
3 2	12 27.22	+23 16.9	1.603	2.522	10.6	20.0
3 12	12 19.45	+24 45.3	1.589	2.527	9.4	19.9
3 22	12 10.54	+25 50.8	1.601	2.532	10.1	20.0
4 1	12 1.67	+26 26.2	1.637	2.537	12.2	20.1
4 11	11 53.98	+26 29.3	1.695	2.542	14.8	20.3
4 21	11 48.32	+26 2.2	1.772	2.547	17.3	20.5
5 1	11 45.15	+25 9.2	1.865	2.552	19.4	20.7

242411 2004 GA_{13} 3 23.1 311°.53 10°.5/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.77	+29 21.3	1.986	2.838	12.1	19.4
3 2	12 27.12	+30 44.8	1.931	2.819	10.9	19.3
3 12	12 19.44	+31 52.2	1.900	2.800	10.5	19.2
3 22	12 10.55	+32 34.9	1.894	2.781	11.3	19.2
4 1	12 1.53	+32 47.0	1.910	2.763	13.0	19.3
4 11	11 53.47	+32 26.8	1.948	2.745	15.1	19.4
4 21	11 47.23	+31 36.7	2.004	2.727	17.2	19.5
5 1	11 43.36	+30 20.7	2.076	2.710	19.0	19.6

199279 2006 BN_{40} 3 23.1 86°.24 1°.6/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.49	+ 0 19.8	1.887	2.754	12.0	20.2
3 2	12 24.61	+ 1 19.7	1.822	2.758	8.3	20.0
3 12	12 18.01	+ 2 28.8	1.782	2.761	4.4	19.7
3 22	12 10.41	+ 3 40.6	1.770	2.764	1.6	19.6
4 1	12 2.74	+ 4 48.0	1.786	2.768	4.9	19.8
4 11	11 55.90	+ 5 44.3	1.830	2.771	8.8	20.0
4 21	11 50.64	+ 6 25.1	1.898	2.774	12.3	20.2
5 1	11 47.42	+ 6 48.2	1.987	2.778	15.3	20.5

205276 2000 SY_{97} 3 23.1 112°.93 2°.0/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.74	− 8 17.8	1.701	2.538	14.5	21.2
3 2	12 29.10	− 8 0.8	1.641	2.556	10.7	21.0
3 12	12 20.44	− 7 27.2	1.606	2.573	6.4	20.8
3 22	12 10.66	− 6 40.9	1.597	2.590	2.4	20.5
4 1	12 0.88	− 5 47.7	1.617	2.606	3.9	20.7
4 11	11 52.23	− 4 55.0	1.665	2.622	8.1	21.0
4 21	11 45.53	− 4 9.2	1.738	2.637	12.0	21.2
5 1	11 41.27	− 3 35.0	1.832	2.651	15.3	21.5

300083 2006 UO_{218} 3 23.1 94°.22 1°.8/25.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 27.20	−10 51.3	2.368	3.193	11.4	20.5
3 2	12 22.72	− 9 59.8	2.296	3.203	8.5	20.3
3 12	12 16.90	− 8 52.8	2.249	3.212	5.2	20.1
3 22	12 10.31	− 7 34.1	2.231	3.222	2.2	19.9
4 1	12 3.68	− 6 9.3	2.242	3.231	3.0	20.0
4 11	11 57.73	− 4 45.2	2.283	3.241	6.2	20.2
4 21	11 53.02	− 3 27.5	2.350	3.250	9.3	20.4
5 1	11 49.96	− 2 20.9	2.442	3.259	12.0	20.6

289148 2004 VV_{16} 3 23.1 167°.99 2°.7/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.33	+ 4 19.2	1.933	2.798	11.9	21.2
3 2	12 28.69	+ 5 12.7	1.869	2.803	8.3	21.0
3 12	12 20.19	+ 6 11.1	1.831	2.808	4.6	20.8
3 22	12 10.64	+ 7 8.0	1.821	2.812	2.8	20.6
4 1	12 1.02	+ 7 56.7	1.841	2.815	5.7	20.8
4 11	11 52.34	+ 8 31.9	1.889	2.817	9.4	21.1
4 21	11 45.37	+ 8 50.7	1.961	2.819	12.8	21.3
5 1	11 40.62	+ 8 52.2	2.054	2.819	15.7	21.5

100907 1998 KP_{16} 3 23.1 329°.11 2°.7/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.44	+ 3 32.3	1.457	2.339	13.9	18.7
3 2	12 25.86	+ 4 8.5	1.380	2.323	9.8	18.4
3 12	12 18.95	+ 4 52.3	1.327	2.307	5.4	18.1
3 22	12 10.53	+ 5 36.8	1.299	2.292	2.8	17.9
4 1	12 1.79	+ 6 13.9	1.297	2.278	6.4	18.0
4 11	11 54.02	+ 6 36.9	1.320	2.265	11.1	18.3
4 21	11 48.23	+ 6 41.6	1.365	2.252	15.5	18.5
5 1	11 45.10	+ 6 26.5	1.428	2.241	19.2	18.7

437443 2013 YN_{8} 3 23.1 34°.00 9°.4/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.90	+23 53.2	1.807	2.680	12.1	20.3
3 2	12 24.94	+25 31.7	1.780	2.691	10.2	20.2
3 12	12 18.16	+26 55.5	1.777	2.703	9.4	20.1
3 22	12 10.43	+27 55.9	1.798	2.716	10.1	20.2
4 1	12 2.80	+28 27.4	1.845	2.729	11.9	20.3
4 11	11 56.24	+28 28.4	1.912	2.742	14.1	20.5
4 21	11 51.48	+28 1.2	2.000	2.756	16.2	20.7
5 1	11 48.92	+27 10.0	2.102	2.770	18.0	20.9

18476 1995 WR_{7} 3 23.1 165°.94 3°.2/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.81	−14 33.0	2.660	3.459	11.0	19.0
3 2	12 23.81	−14 21.3	2.576	3.461	8.6	18.8
3 12	12 17.48	−13 54.4	2.517	3.463	5.9	18.7
3 22	12 10.38	−13 14.1	2.486	3.465	3.6	18.5
4 1	12 3.16	−12 23.7	2.485	3.467	3.6	18.5
4 11	11 56.53	−11 28.0	2.512	3.469	5.8	18.7
4 21	11 51.06	−10 31.9	2.567	3.470	8.5	18.8
5 1	11 47.16	− 9 40.2	2.647	3.471	11.0	19.0

132491 2002 JG_{29} 3 23.1 257°.55 4°.8/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.69	+ 9 54.5	1.854	2.725	11.9	20.3
3 2	12 29.28	+10 52.5	1.769	2.704	8.7	20.1
3 12	12 20.71	+11 51.9	1.710	2.681	5.6	19.9
3 22	12 10.71	+12 45.1	1.679	2.658	5.0	19.8
4 1	12 0.35	+13 24.5	1.675	2.634	7.7	19.9
4 11	11 50.79	+13 44.8	1.699	2.609	11.4	20.0
4 21	11 42.98	+13 43.6	1.746	2.584	15.0	20.2
5 1	11 37.58	+13 21.3	1.811	2.558	18.1	20.4

109211 2001 QO_{83} 3 23.1 175°.76 1°.4/24.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.60	− 7 36.8	2.293	3.123	11.5	20.3
3 2	12 26.61	− 7 13.7	2.214	3.126	8.5	20.1
3 12	12 19.04	− 6 37.9	2.160	3.128	5.0	19.9
3 22	12 10.54	− 5 52.3	2.136	3.129	1.7	19.6
4 1	12 1.91	− 5 1.5	2.141	3.130	3.2	19.7
4 11	11 54.01	− 4 11.0	2.176	3.130	6.7	20.0
4 21	11 47.49	− 3 25.8	2.238	3.130	10.0	20.2
5 1	11 42.84	− 2 49.8	2.323	3.129	12.9	20.4

41056 1999 VX_{20} 3 23.1 224°.11 3°.3/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.40	−13 51.9	2.297	3.104	12.3	19.4
3 2	12 25.17	−13 35.7	2.205	3.096	9.5	19.2
3 12	12 18.33	−13 2.0	2.137	3.088	6.4	19.0
3 22	12 10.47	−12 12.7	2.097	3.079	3.7	18.8
4 1	12 2.41	−11 11.8	2.085	3.070	3.8	18.8
4 11	11 54.97	−10 5.0	2.102	3.060	6.7	18.9
4 21	11 48.88	− 8 58.7	2.147	3.050	9.9	19.1
5 1	11 44.64	− 7 58.7	2.214	3.040	12.8	19.3

196110 2002 TB_{157} 3 23.1 144°.48 4°.0/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.08	+10 55.8	2.489	3.359	9.3	20.6
3 2	12 24.66	+12 1.1	2.434	3.367	6.7	20.5
3 12	12 17.91	+13 5.3	2.407	3.375	4.5	20.3
3 22	12 10.42	+14 2.7	2.409	3.383	4.3	20.3
4 1	12 2.92	+14 48.0	2.441	3.390	6.2	20.5
4 11	11 56.12	+15 18.0	2.500	3.397	8.8	20.6
4 21	11 50.59	+15 31.0	2.583	3.403	11.2	20.8
5 1	11 46.72	+15 27.5	2.687	3.409	13.3	21.0

307456 2002 VN_{58} 3 23.1 117°.87 0°.8/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.75	− 6 51.9	2.092	2.929	12.2	21.6
3 2	12 26.68	− 6 5.3	2.033	2.950	8.8	21.4
3 12	12 19.02	− 5 5.2	2.000	2.970	5.0	21.2
3 22	12 10.53	− 3 56.5	1.995	2.990	1.2	20.9
4 1	12 2.08	− 2 45.3	2.021	3.010	3.4	21.1
4 11	11 54.53	− 1 38.2	2.075	3.028	7.1	21.4
4 21	11 48.52	− 0 40.5	2.157	3.046	10.5	21.7
5 1	11 44.48	+ 0 4.1	2.261	3.063	13.3	21.9

513044 2017 VM_{7} 3 23.1 260°.02 0°.4/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.16	− 0 41.7	2.323	3.177	10.5	21.5
3 2	12 25.61	− 0 25.1	2.241	3.170	7.5	21.3
3 12	12 18.52	− 0 1.4	2.186	3.163	4.0	21.1
3 22	12 10.50	+ 0 25.9	2.159	3.156	0.5	20.8
4 1	12 2.33	+ 0 52.6	2.162	3.148	3.6	21.0
4 11	11 54.80	+ 1 14.6	2.194	3.141	7.2	21.2
4 21	11 48.59	+ 1 28.6	2.252	3.134	10.4	21.4
5 1	11 44.18	+ 1 32.2	2.332	3.126	13.2	21.6

60163 1999 UE_{28} 3 23.1 295°.61 0°.5/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 27.58	− 5 12.2	2.248	3.097	11.1	19.6
3 2	12 23.17	− 4 34.4	2.161	3.085	8.0	19.4
3 12	12 17.24	− 3 44.3	2.099	3.073	4.5	19.1
3 22	12 10.38	− 2 45.8	2.065	3.061	0.8	18.8
4 1	12 3.33	− 1 44.3	2.060	3.049	3.3	19.0
4 11	11 56.88	− 0 45.6	2.084	3.037	7.0	19.2
4 21	11 51.70	+ 0 5.1	2.133	3.026	10.4	19.4
5 1	11 48.29	+ 0 44.0	2.205	3.014	13.4	19.6

108821 2001 OT_{78} 3 23.1 125°.02 2°.8/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.18	+ 7 0.6	2.697	3.563	8.8	20.6
3 2	12 23.92	+ 8 4.7	2.644	3.579	6.2	20.5
3 12	12 17.47	+ 9 10.2	2.620	3.594	3.7	20.3
3 22	12 10.40	+10 11.9	2.626	3.609	3.0	20.3
4 1	12 3.33	+11 5.1	2.661	3.624	5.0	20.4
4 11	11 56.91	+11 46.0	2.726	3.637	7.6	20.6
4 21	11 51.65	+12 12.7	2.815	3.651	10.0	20.8
5 1	11 47.89	+12 24.5	2.927	3.664	12.0	21.0

298927 2004 TJ_{158} 3 23.1 96°.80 1°.5/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.45	− 7 20.9	1.514	2.363	15.4	21.0
3 2	12 28.39	− 6 54.3	1.457	2.378	11.2	20.8
3 12	12 20.14	− 6 9.8	1.422	2.393	6.5	20.6
3 22	12 10.67	− 5 12.4	1.414	2.408	2.0	20.3
4 1	12 1.19	− 4 9.5	1.433	2.423	4.2	20.5
4 11	11 52.91	− 3 9.6	1.478	2.437	8.8	20.8
4 21	11 46.72	− 2 19.6	1.548	2.451	13.0	21.1
5 1	11 43.14	− 1 44.2	1.639	2.464	16.5	21.3

135295 2001 SQ_{183} 3 23.1 197°.62 0°.6/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.87	− 0 57.0	2.449	3.302	10.1	20.7
3 2	12 24.61	− 0 22.6	2.372	3.300	7.1	20.5
3 12	12 17.94	+ 0 19.3	2.321	3.298	3.8	20.3
3 22	12 10.45	+ 1 4.8	2.300	3.296	0.6	20.0
4 1	12 2.85	+ 1 49.3	2.308	3.293	3.5	20.2
4 11	11 55.88	+ 2 28.1	2.346	3.290	6.9	20.5
4 21	11 50.14	+ 2 57.7	2.409	3.287	10.0	20.6
5 1	11 46.07	+ 3 15.8	2.496	3.283	12.6	20.8

125501 2001 WC_{32} 3 23.1 294°.28 5°.6/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.26	+ 9 10.6	1.352	2.238	14.5	19.0
3 2	12 28.65	+10 16.0	1.289	2.231	10.4	18.8
3 12	12 20.47	+11 23.3	1.249	2.224	6.7	18.5
3 22	12 10.71	+12 22.3	1.235	2.217	5.8	18.4
4 1	12 0.74	+13 3.4	1.246	2.210	9.1	18.6
4 11	11 51.99	+13 20.2	1.280	2.203	13.4	18.8
4 21	11 45.52	+13 11.1	1.336	2.197	17.4	19.1
5 1	11 41.99	+12 37.3	1.408	2.190	20.8	19.3

135070 2001 PW_{30} 3 23.1 200°.06 2°.7/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.99	+ 6 39.2	2.387	3.252	9.9	20.2
3 2	12 26.11	+ 7 13.1	2.316	3.250	6.9	20.0
3 12	12 18.75	+ 7 48.7	2.272	3.248	4.0	19.8
3 22	12 10.54	+ 8 21.4	2.257	3.245	2.8	19.7
4 1	12 2.24	+ 8 46.7	2.272	3.242	5.1	19.9
4 11	11 54.63	+ 9 1.0	2.315	3.239	8.1	20.0
4 21	11 48.36	+ 9 2.4	2.384	3.236	11.0	20.2
5 1	11 43.86	+ 8 50.2	2.474	3.232	13.5	20.4

166971 2003 OD_{4} 3 23.1 156°.60 2°.1/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.00	− 9 49.6	2.066	2.890	12.8	21.1
3 2	12 27.71	− 9 22.2	1.992	2.899	9.5	20.9
3 12	12 19.67	− 8 38.7	1.944	2.908	5.9	20.7
3 22	12 10.63	− 7 42.4	1.924	2.915	2.5	20.5
4 1	12 1.50	− 6 38.8	1.933	2.922	3.5	20.6
4 11	11 53.22	− 5 34.5	1.972	2.928	7.2	20.8
4 21	11 46.53	− 4 35.7	2.037	2.933	10.7	21.1
5 1	11 41.93	− 3 47.2	2.125	2.937	13.7	21.3

214699 2006 SB_{308} 3 23.1 77°.62 2°.6/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 27.28	−13 34.0	2.277	3.091	12.1	20.6
3 2	12 22.85	−12 48.4	2.205	3.102	9.2	20.4
3 12	12 17.00	−11 44.7	2.157	3.112	6.0	20.2
3 22	12 10.37	−10 26.6	2.136	3.122	3.1	20.0
4 1	12 3.68	− 8 59.6	2.145	3.133	3.3	20.1
4 11	11 57.71	− 7 30.7	2.183	3.143	6.3	20.3
4 21	11 53.04	− 6 6.6	2.248	3.153	9.4	20.5
5 1	11 50.09	− 4 52.6	2.337	3.164	12.2	20.7

225397 1999 VA_{49} 3 23.1 116°.69 1°.8/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.60	− 8 49.4	2.173	3.002	12.1	20.6
3 2	12 25.92	− 8 30.3	2.105	3.015	8.9	20.4
3 12	12 18.67	− 7 57.3	2.063	3.028	5.4	20.2
3 22	12 10.53	− 7 13.5	2.048	3.040	2.2	20.0
4 1	12 2.36	− 6 23.6	2.063	3.052	3.3	20.1
4 11	11 54.98	− 5 33.4	2.106	3.063	6.7	20.4
4 21	11 49.05	− 4 47.8	2.176	3.074	10.0	20.6
5 1	11 45.04	− 4 11.1	2.269	3.085	12.8	20.8

461701 2005 RO_{13} 3 23.1 235°.93 1°.3/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.51	− 6 48.4	1.920	2.762	12.9	22.1
3 2	12 26.90	− 6 28.5	1.835	2.753	9.5	21.8
3 12	12 19.36	− 5 54.1	1.774	2.744	5.6	21.6
3 22	12 10.62	− 5 8.5	1.740	2.735	1.7	21.3
4 1	12 1.61	− 4 16.9	1.736	2.725	3.7	21.4
4 11	11 53.37	− 3 25.8	1.759	2.715	7.9	21.7
4 21	11 46.74	− 2 41.2	1.807	2.705	11.8	21.9
5 1	11 42.31	− 2 7.8	1.878	2.694	15.1	22.1

284149 2005 WK_{90} 3 23.1 76°.01 6°.8/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.80	−22 7.0	1.815	2.590	16.3	20.3
3 2	12 26.44	−22 17.9	1.747	2.604	13.4	20.2
3 12	12 19.09	−22 2.1	1.700	2.619	10.3	20.0
3 22	12 10.58	−21 20.0	1.677	2.633	7.7	19.9
4 1	12 1.98	−20 15.3	1.680	2.647	6.9	19.9
4 11	11 54.38	−18 55.5	1.710	2.661	8.5	20.0
4 21	11 48.60	−17 29.9	1.765	2.675	11.2	20.2
5 1	11 45.16	−16 7.1	1.842	2.689	14.1	20.4

500040 2011 SJ_{177} 3 23.1 250°.69 0°.1/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 27.42	− 4 22.5	2.424	3.272	10.4	21.4
3 2	12 22.94	− 3 32.4	2.340	3.265	7.4	21.2
3 12	12 17.08	− 2 31.1	2.282	3.257	4.0	20.9
3 22	12 10.39	− 1 22.8	2.253	3.250	0.4	20.6
4 1	12 3.55	− 0 13.0	2.254	3.242	3.2	20.8
4 11	11 57.29	+ 0 52.6	2.284	3.234	6.7	21.0
4 21	11 52.22	+ 1 49.1	2.341	3.226	9.9	21.2
5 1	11 48.78	+ 2 33.0	2.420	3.218	12.7	21.4

520022 2013 UP_{21} 3 23.1 189°.83 2°.1/25.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.10	−10 8.7	2.073	2.902	12.6	21.8
3 2	12 25.02	− 9 41.3	1.993	2.902	9.4	21.6
3 12	12 18.27	− 8 57.4	1.937	2.901	5.9	21.4
3 22	12 10.50	− 8 0.3	1.909	2.900	2.6	21.2
4 1	12 2.59	− 6 55.2	1.910	2.899	3.5	21.3
4 11	11 55.42	− 5 48.7	1.939	2.898	7.1	21.5
4 21	11 49.72	− 4 47.1	1.994	2.897	10.6	21.7
5 1	11 45.98	− 3 55.6	2.073	2.895	13.7	21.9

466182 2012 KF_{16} 3 23.1 280°.71 8°.3/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.89	+19 53.6	1.839	2.710	12.0	21.3
3 2	12 28.06	+21 17.1	1.767	2.688	9.7	21.1
3 12	12 20.07	+22 33.1	1.721	2.665	8.3	21.0
3 22	12 10.71	+23 32.0	1.701	2.642	8.9	21.0
4 1	12 1.06	+24 6.1	1.707	2.618	11.1	21.0
4 11	11 52.29	+24 11.2	1.736	2.595	14.0	21.2
4 21	11 45.33	+23 47.6	1.786	2.571	16.8	21.3
5 1	11 40.82	+22 58.1	1.852	2.547	19.3	21.4

209178 2003 UA_{150} 3 23.1 248°.95 2°.1/21.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.21	+ 2 14.8	1.837	2.702	12.4	21.5
3 2	12 28.24	+ 3 4.6	1.749	2.684	8.7	21.3
3 12	12 20.17	+ 4 3.1	1.687	2.665	4.7	21.0
3 22	12 10.72	+ 5 4.1	1.652	2.645	2.2	20.8
4 1	12 0.92	+ 6 0.2	1.646	2.625	5.6	20.9
4 11	11 51.89	+ 6 44.7	1.668	2.604	9.8	21.1
4 21	11 44.54	+ 7 13.1	1.714	2.583	13.8	21.3
5 1	11 39.55	+ 7 23.0	1.780	2.561	17.2	21.5

169381 2001 UF_{205} 3 23.1 71°.05 0°.7/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 26.59	− 5 25.0	3.005	3.843	8.9	20.0
3 2	12 22.09	− 5 3.6	2.931	3.849	6.4	19.9
3 12	12 16.52	− 4 34.0	2.883	3.854	3.6	19.7
3 22	12 10.34	− 3 58.8	2.865	3.860	0.9	19.5
4 1	12 4.11	− 3 21.2	2.877	3.866	2.5	19.6
4 11	11 58.38	− 2 44.9	2.918	3.871	5.3	19.8
4 21	11 53.62	− 2 13.2	2.986	3.877	7.8	20.0
5 1	11 50.17	− 1 48.6	3.079	3.883	10.1	20.1

406415 2007 TH_{156} 3 23.1 136°.05 0°.8/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.66	− 5 18.2	1.933	2.774	12.9	22.3
3 2	12 28.91	− 4 54.1	1.869	2.788	9.3	22.1
3 12	12 20.32	− 4 17.5	1.830	2.802	5.2	21.9
3 22	12 10.73	− 3 32.4	1.819	2.815	1.1	21.6
4 1	12 1.10	− 2 44.3	1.839	2.827	3.7	21.8
4 11	11 52.46	− 1 59.5	1.886	2.839	7.7	22.1
4 21	11 45.54	− 1 22.7	1.960	2.850	11.4	22.3
5 1	11 40.83	− 0 57.6	2.056	2.860	14.4	22.6

259222 2003 BY_{22} 3 23.1 52°.39 8°.9/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.72	−25 40.2	1.619	2.382	18.4	19.7
3 2	12 26.68	−26 9.2	1.551	2.393	15.6	19.5
3 12	12 19.35	−26 6.6	1.503	2.405	12.6	19.3
3 22	12 10.64	−25 31.2	1.476	2.416	10.0	19.2
4 1	12 1.77	−24 25.7	1.473	2.428	8.9	19.2
4 11	11 54.01	−22 58.4	1.495	2.440	10.0	19.3
4 21	11 48.30	−21 20.0	1.541	2.452	12.5	19.4
5 1	11 45.24	−19 41.5	1.609	2.465	15.3	19.6

108774 2001 OV_{53} 3 23.1 128°.33 5°.9/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.55	+17 33.4	2.440	3.309	9.5	19.8
3 2	12 25.05	+18 46.3	2.396	3.319	7.4	19.6
3 12	12 18.15	+19 52.9	2.379	3.328	6.0	19.6
3 22	12 10.52	+20 47.0	2.389	3.337	6.3	19.6
4 1	12 2.90	+21 23.8	2.428	3.345	8.0	19.7
4 11	11 56.04	+21 40.7	2.492	3.354	10.2	19.9
4 21	11 50.52	+21 37.7	2.580	3.362	12.3	20.0
5 1	11 46.74	+21 16.3	2.686	3.370	14.1	20.2

505166 2012 SW_{33} 3 23.1 241°.50 2°.4/25.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.37	− 8 53.4	2.142	2.969	12.3	21.3
3 2	12 27.36	− 9 2.9	2.056	2.963	9.3	21.0
3 12	12 19.58	− 8 59.5	1.995	2.957	5.8	20.8
3 22	12 10.68	− 8 44.5	1.962	2.951	2.8	20.6
4 1	12 1.54	− 8 21.3	1.957	2.945	3.6	20.6
4 11	11 53.11	− 7 54.6	1.982	2.939	7.1	20.8
4 21	11 46.16	− 7 29.0	2.033	2.932	10.5	21.0
5 1	11 41.24	− 7 9.0	2.106	2.926	13.6	21.2

242162 2003 FD_{88} 3 23.1 322°.55 4°.0/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 27.24	+ 2 31.3	1.104	2.001	16.1	19.8
3 2	12 24.19	+ 3 58.6	1.029	1.979	11.3	19.4
3 12	12 18.34	+ 5 42.8	0.976	1.958	6.3	19.1
3 22	12 10.57	+ 7 32.3	0.946	1.937	4.2	18.9
4 1	12 2.29	+ 9 12.2	0.939	1.917	8.7	19.1
4 11	11 55.11	+10 29.0	0.955	1.899	14.4	19.3
4 21	11 50.31	+11 14.6	0.989	1.881	19.5	19.5
5 1	11 48.73	+11 26.4	1.039	1.865	23.9	19.8

198027 2004 RB_{231} 3 23.1 299°.89 1°.0/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.32	+ 0 14.7	1.678	2.544	13.3	20.3
3 2	12 27.83	+ 0 31.3	1.586	2.520	9.5	20.0
3 12	12 20.05	+ 0 57.0	1.518	2.497	5.1	19.7
3 22	12 10.74	+ 1 27.3	1.477	2.473	1.0	19.4
4 1	12 0.97	+ 1 56.3	1.464	2.450	4.9	19.6
4 11	11 51.98	+ 2 17.8	1.477	2.427	9.7	19.8
4 21	11 44.78	+ 2 27.2	1.514	2.404	14.1	20.0
5 1	11 40.10	+ 2 21.8	1.571	2.381	17.8	20.2

462950 2011 CV_{24} 3 23.1 345°.85 5°.1/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.59	+ 8 10.3	1.569	2.457	12.7	20.2
3 2	12 24.33	+ 9 45.3	1.510	2.453	9.1	20.0
3 12	12 18.03	+11 23.9	1.475	2.450	5.8	19.8
3 22	12 10.52	+12 56.0	1.467	2.447	5.5	19.7
4 1	12 2.89	+14 11.6	1.486	2.445	8.5	19.9
4 11	11 56.23	+15 3.7	1.529	2.443	12.2	20.1
4 21	11 51.39	+15 29.3	1.593	2.441	15.7	20.3
5 1	11 48.92	+15 28.9	1.675	2.440	18.7	20.5

57198 2001 QO_{46} 3 23.1 50°.74 0°.4/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.38	− 4 39.0	1.799	2.654	13.0	18.5
3 2	12 25.19	− 4 5.2	1.750	2.677	9.3	18.3
3 12	12 18.31	− 3 18.9	1.725	2.700	5.1	18.1
3 22	12 10.55	− 2 25.4	1.727	2.723	0.8	17.8
4 1	12 2.85	− 1 30.9	1.758	2.747	3.7	18.1
4 11	11 56.15	− 0 41.8	1.815	2.770	7.8	18.4
4 21	11 51.12	− 0 3.0	1.898	2.794	11.3	18.6
5 1	11 48.17	+ 0 22.3	2.002	2.818	14.3	18.9

177725 2005 HM_{1} 3 23.1 149°.79 2°.6/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.48	+ 4 51.1	2.009	2.873	11.5	20.7
3 2	12 28.73	+ 5 32.8	1.949	2.882	8.1	20.5
3 12	12 20.22	+ 6 18.1	1.914	2.891	4.5	20.3
3 22	12 10.74	+ 7 1.3	1.909	2.899	2.7	20.2
4 1	12 1.25	+ 7 36.6	1.933	2.907	5.4	20.4
4 11	11 52.69	+ 7 59.6	1.985	2.914	9.0	20.6
4 21	11 45.79	+ 8 8.0	2.062	2.920	12.2	20.8
5 1	11 41.04	+ 8 1.1	2.160	2.926	15.0	21.0

175597 2006 UF_{81} 3 23.1 41°.46 0°.1/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.49	− 3 3.6	2.156	3.011	11.2	20.5
3 2	12 23.77	− 2 27.7	2.088	3.016	7.9	20.3
3 12	12 17.55	− 1 41.9	2.045	3.021	4.3	20.0
3 22	12 10.48	− 0 50.4	2.030	3.027	0.4	19.7
4 1	12 3.33	+ 0 1.4	2.044	3.032	3.5	20.0
4 11	11 56.91	+ 0 48.0	2.087	3.038	7.2	20.2
4 21	11 51.85	+ 1 25.1	2.155	3.044	10.5	20.5
5 1	11 48.60	+ 1 49.9	2.245	3.049	13.3	20.7

469127 2015 EE_{17} 3 23.1 9°.10 3°.6/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.25	+ 7 4.6	1.877	2.753	11.6	21.3
3 2	12 25.91	+ 7 58.2	1.814	2.753	8.2	21.1
3 12	12 18.77	+ 8 54.3	1.777	2.753	4.8	20.9
3 22	12 10.60	+ 9 46.2	1.767	2.753	3.8	20.8
4 1	12 2.35	+10 27.3	1.786	2.754	6.4	20.9
4 11	11 54.98	+10 52.6	1.830	2.754	9.9	21.2
4 21	11 49.24	+11 0.1	1.899	2.754	13.2	21.4
5 1	11 45.63	+10 49.3	1.987	2.755	16.0	21.6

500943 2013 QZ_{4} 3 23.1 146°.63 3°.6/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.53	−13 25.8	2.218	3.022	12.8	22.1
3 2	12 28.07	−13 35.5	2.142	3.031	9.9	21.9
3 12	12 19.90	−13 29.0	2.091	3.039	6.7	21.7
3 22	12 10.73	−13 7.5	2.067	3.047	4.1	21.6
4 1	12 1.43	−12 34.2	2.072	3.054	4.2	21.6
4 11	11 52.91	−11 54.1	2.106	3.061	6.9	21.8
4 21	11 45.91	−11 12.8	2.167	3.067	9.9	22.0
5 1	11 40.93	−10 35.4	2.252	3.073	12.7	22.2

377951 2006 JA_{15} 3 23.1 6°.73 3°.1/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 26.68	−13 22.0	1.636	2.470	15.2	20.4
3 2	12 22.95	−12 36.5	1.562	2.470	11.6	20.1
3 12	12 17.29	−11 26.3	1.511	2.471	7.5	19.9
3 22	12 10.47	− 9 55.8	1.485	2.473	3.8	19.7
4 1	12 3.51	− 8 12.7	1.486	2.475	4.1	19.7
4 11	11 57.45	− 6 27.4	1.513	2.478	8.0	19.9
4 21	11 53.11	− 4 49.5	1.566	2.481	12.1	20.2
5 1	11 51.04	− 3 26.9	1.641	2.485	15.6	20.4

235320 2003 UA_{175} 3 23.1 90°.38 0°.3/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.40	− 2 50.9	2.055	2.910	11.7	21.2
3 2	12 25.10	− 2 7.5	1.996	2.925	8.2	21.0
3 12	12 18.26	− 1 13.9	1.963	2.940	4.4	20.8
3 22	12 10.56	− 0 15.3	1.958	2.954	0.4	20.5
4 1	12 2.87	+ 0 42.6	1.982	2.969	3.7	20.8
4 11	11 56.01	+ 1 33.8	2.034	2.983	7.5	21.1
4 21	11 50.63	+ 2 14.1	2.112	2.997	10.8	21.3
5 1	11 47.17	+ 2 40.6	2.211	3.011	13.6	21.5

165084 2000 GG_{38} 3 23.1 73°.32 0°.6/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.45	− 1 41.0	2.061	2.920	11.5	19.8
3 2	12 24.52	− 0 58.7	1.991	2.922	8.1	19.6
3 12	12 18.00	− 0 6.7	1.947	2.924	4.3	19.4
3 22	12 10.54	+ 0 50.0	1.930	2.926	0.6	19.1
4 1	12 2.99	+ 1 45.6	1.942	2.928	3.9	19.3
4 11	11 56.20	+ 2 34.2	1.983	2.930	7.8	19.6
4 21	11 50.84	+ 3 11.4	2.048	2.932	11.2	19.8
5 1	11 47.39	+ 3 34.5	2.135	2.934	14.1	20.0

148355 2000 RA_{102} 3 23.1 168°.39 4°.1/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.46	−17 22.8	2.822	3.598	11.0	20.1
3 2	12 25.69	−17 37.6	2.736	3.601	8.8	20.0
3 12	12 18.56	−17 37.4	2.675	3.604	6.5	19.8
3 22	12 10.61	−17 22.8	2.641	3.606	4.6	19.7
4 1	12 2.51	−16 55.8	2.636	3.608	4.3	19.7
4 11	11 54.97	−16 20.1	2.661	3.610	6.0	19.8
4 21	11 48.57	−15 40.0	2.713	3.611	8.3	19.9
5 1	11 43.77	−15 0.3	2.790	3.612	10.5	20.1

172048 2001 XL_{75} 3 23.1 126°.16 7°.0/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.16	+21 32.2	2.397	3.261	9.9	20.0
3 2	12 25.54	+22 42.4	2.353	3.266	8.0	19.9
3 12	12 18.46	+23 43.3	2.336	3.271	7.0	19.8
3 22	12 10.59	+24 28.6	2.346	3.276	7.4	19.9
4 1	12 2.74	+24 53.8	2.383	3.281	9.0	20.0
4 11	11 55.68	+24 57.0	2.445	3.285	11.0	20.1
4 21	11 50.04	+24 38.9	2.528	3.290	13.1	20.3
5 1	11 46.22	+24 1.5	2.630	3.294	14.8	20.4

213913 2003 UM_{115} 3 23.1 146°.99 0°.1/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.48	− 2 35.9	1.813	2.665	13.1	20.5
3 2	12 28.94	− 2 13.3	1.746	2.673	9.3	20.3
3 12	12 20.44	− 1 39.9	1.704	2.680	5.1	20.0
3 22	12 10.80	− 1 0.3	1.690	2.687	0.5	19.7
4 1	12 1.08	− 0 20.2	1.705	2.693	4.1	20.0
4 11	11 52.35	+ 0 14.5	1.748	2.699	8.4	20.2
4 21	11 45.43	+ 0 39.4	1.816	2.704	12.2	20.5
5 1	11 40.83	+ 0 51.4	1.906	2.709	15.4	20.7

178353 1996 GO_{5} 3 23.1 276°.58 1°.4/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.77	− 0 37.2	1.755	2.621	12.8	20.6
3 2	12 25.88	+ 0 20.3	1.666	2.602	9.0	20.3
3 12	12 18.95	+ 1 30.5	1.603	2.582	4.8	20.0
3 22	12 10.67	+ 2 47.1	1.567	2.562	1.4	19.7
4 1	12 2.04	+ 4 1.9	1.559	2.543	5.1	19.9
4 11	11 54.17	+ 5 7.0	1.578	2.522	9.7	20.1
4 21	11 47.95	+ 5 56.1	1.621	2.502	13.8	20.3
5 1	11 44.06	+ 6 25.7	1.684	2.482	17.3	20.5

431916 2008 TF_{61} 3 23.1 245°.47 1°.0/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.19	+ 0 44.0	2.099	2.956	11.3	21.3
3 2	12 27.25	+ 1 5.8	2.016	2.947	8.0	21.0
3 12	12 19.53	+ 1 34.6	1.959	2.936	4.3	20.8
3 22	12 10.72	+ 2 6.1	1.930	2.926	1.0	20.5
4 1	12 1.70	+ 2 35.6	1.931	2.915	4.2	20.7
4 11	11 53.40	+ 2 58.1	1.960	2.904	8.1	20.9
4 21	11 46.59	+ 3 10.4	2.015	2.893	11.6	21.1
5 1	11 41.82	+ 3 10.2	2.091	2.882	14.6	21.3

140025 2001 SD_{57} 3 23.1 163°.32 0°.2/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.03	− 3 25.6	2.545	3.393	9.9	20.5
3 2	12 23.28	− 2 32.0	2.471	3.397	7.0	20.3
3 12	12 17.25	− 1 28.7	2.424	3.400	3.8	20.1
3 22	12 10.49	− 0 20.2	2.406	3.402	0.4	19.8
4 1	12 3.64	+ 0 48.3	2.419	3.405	3.2	20.1
4 11	11 57.40	+ 1 51.5	2.460	3.407	6.5	20.3
4 21	11 52.31	+ 2 45.1	2.529	3.409	9.5	20.5
5 1	11 48.78	+ 3 26.2	2.621	3.410	12.0	20.7

83751 2001 TX_{137} 3 23.1 107°.73 4°.8/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.47	+12 45.8	2.324	3.198	9.7	19.7
3 2	12 24.35	+13 59.3	2.275	3.208	7.1	19.5
3 12	12 17.82	+15 10.2	2.254	3.217	5.1	19.4
3 22	12 10.54	+16 11.9	2.260	3.227	5.1	19.4
4 1	12 3.25	+16 59.2	2.295	3.236	7.1	19.6
4 11	11 56.72	+17 28.4	2.357	3.245	9.6	19.7
4 21	11 51.52	+17 38.6	2.442	3.254	12.1	19.9
5 1	11 48.06	+17 30.4	2.546	3.262	14.1	20.1

470922 2009 DQ_{132} 3 23.1 101°.96 2°.8/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.58	−11 9.8	2.276	3.094	12.0	21.6
3 2	12 25.95	−11 14.5	2.201	3.100	9.1	21.4
3 12	12 18.76	−11 4.9	2.150	3.106	6.0	21.2
3 22	12 10.65	−10 42.8	2.126	3.112	3.2	21.0
4 1	12 2.41	−10 11.6	2.132	3.118	3.6	21.1
4 11	11 54.90	− 9 36.0	2.166	3.124	6.5	21.2
4 21	11 48.77	− 9 0.8	2.227	3.129	9.6	21.4
5 1	11 44.50	− 8 30.6	2.311	3.135	12.4	21.6

230913 2004 TA_{243} 3 23.1 217°.70 6°.7/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.38	+18 56.7	2.283	3.150	10.2	20.5
3 2	12 26.57	+20 19.8	2.223	3.142	8.1	20.4
3 12	12 19.11	+21 36.3	2.190	3.134	6.8	20.3
3 22	12 10.68	+22 38.9	2.185	3.125	7.2	20.3
4 1	12 2.14	+23 21.7	2.207	3.116	9.1	20.4
4 11	11 54.35	+23 41.4	2.255	3.106	11.5	20.5
4 21	11 48.03	+23 37.8	2.324	3.095	13.8	20.7
5 1	11 43.64	+23 12.8	2.412	3.085	15.8	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
30205 Mistyevans			3 23.1	30°.76	1°.2/22.1	18
	h m	° ′			°	m
2 21	12 31.30	− 2 10.3	1.304	2.180	15.7	18.2
3 2	12 26.56	− 1 4.4	1.242	2.181	11.1	18.0
3 12	12 19.37	+ 0 18.2	1.203	2.183	5.8	17.7
3 22	12 10.72	+ 1 48.6	1.189	2.185	1.2	17.3
4 1	12 1.91	+ 3 15.8	1.201	2.187	5.8	17.7
4 11	11 54.32	+ 4 29.2	1.238	2.189	11.0	18.0
4 21	11 48.93	+ 5 21.8	1.297	2.192	15.6	18.2
5 1	11 46.35	+ 5 50.4	1.375	2.194	19.4	18.5
9347 1991 RY_{21}			3 23.1	322°.66	2°.8/20.9	18 R
2 21	12 30.39	+ 2 24.1	1.293	2.179	15.0	16.8
3 2	12 26.10	+ 3 17.0	1.219	2.164	10.6	16.5
3 12	12 19.24	+ 4 21.2	1.169	2.149	5.8	16.2
3 22	12 10.72	+ 5 28.2	1.142	2.135	2.9	15.9
4 1	12 1.83	+ 6 27.8	1.141	2.122	7.0	16.1
4 11	11 54.00	+ 7 10.9	1.164	2.110	12.1	16.4
4 21	11 48.37	+ 7 32.1	1.207	2.098	16.8	16.6
5 1	11 45.65	+ 7 29.3	1.268	2.087	20.8	16.8
358004 2006 DR_{73}			3 23.1	41°.23	2°.0/21.6	18
2 21	12 31.72	− 0 7.4	1.112	1.999	16.9	20.5
3 2	12 26.93	+ 0 52.6	1.068	2.013	11.8	20.3
3 12	12 19.54	+ 2 5.9	1.046	2.028	6.2	20.0
3 22	12 10.72	+ 3 22.5	1.048	2.043	2.0	19.8
4 1	12 1.99	+ 4 31.0	1.075	2.060	6.5	20.1
4 11	11 54.77	+ 5 21.9	1.124	2.076	11.8	20.5
4 21	11 50.04	+ 5 50.3	1.195	2.094	16.4	20.8
5 1	11 48.27	+ 5 54.9	1.283	2.112	20.1	21.1
86272 1999 TD_{286}			3 23.1	178°.90	3°.4/27.5	18
2 21	12 28.33	−15 14.4	2.549	3.347	11.5	19.4
3 2	12 23.58	−15 2.7	2.464	3.347	9.0	19.2
3 12	12 17.46	−14 34.8	2.403	3.347	6.3	19.0
3 22	12 10.52	−13 52.4	2.370	3.348	3.9	18.9
4 1	12 3.45	−12 58.8	2.366	3.348	3.8	18.8
4 11	11 56.98	−11 59.1	2.390	3.348	6.0	19.0
4 21	11 51.69	−10 58.8	2.442	3.347	8.7	19.2
5 1	11 48.02	−10 2.8	2.518	3.347	11.3	19.3
402079 2003 UX_{208}			3 23.1	116°.18	0°.4/23.5	18
2 21	12 34.98	− 4 35.4	1.831	2.678	13.2	22.4
3 2	12 28.48	− 4 2.5	1.774	2.697	9.5	22.2
3 12	12 20.13	− 3 17.0	1.741	2.715	5.2	22.0
3 22	12 10.79	− 2 23.8	1.736	2.732	0.8	21.7
4 1	12 1.47	− 1 29.2	1.761	2.749	3.8	22.0
4 11	11 53.20	− 0 39.7	1.813	2.765	8.0	22.3
4 21	11 46.71	− 0 0.4	1.891	2.781	11.7	22.5
5 1	11 42.48	+ 0 25.6	1.991	2.796	14.8	22.8
100117 1993 KM_{1}			3 23.1	321°.51	0°.4/22.7	17
2 21	12 27.92	− 2 38.3	2.133	2.991	11.2	20.0
3 2	12 23.46	− 1 52.1	2.057	2.987	7.9	19.8
3 12	12 17.46	− 0 55.2	2.006	2.983	4.2	19.6
3 22	12 10.54	+ 0 7.5	1.983	2.979	0.5	19.3
4 1	12 3.48	+ 1 10.2	1.988	2.975	3.7	19.5
4 11	11 57.10	+ 2 6.7	2.022	2.971	7.5	19.7
4 21	11 52.07	+ 2 52.4	2.082	2.968	10.9	19.9
5 1	11 48.86	+ 3 24.0	2.163	2.964	13.8	20.1
171579 1999 VD_{23}			3 23.1	214°.38	1°.4/21.6	16
2 21	12 33.17	+ 0 21.4	2.058	2.916	11.5	20.7
3 2	12 27.26	+ 1 13.5	1.977	2.908	8.1	20.5
3 12	12 19.56	+ 2 14.6	1.921	2.899	4.3	20.2
3 22	12 10.76	+ 3 19.2	1.895	2.889	1.4	20.0
4 1	12 1.74	+ 4 20.9	1.898	2.879	4.6	20.2
4 11	11 53.47	+ 5 13.3	1.929	2.868	8.6	20.4
4 21	11 46.71	+ 5 51.9	1.986	2.856	12.1	20.6
5 1	11 42.01	+ 6 14.4	2.065	2.844	15.2	20.8
186080 2001 SO_{230}			3 23.1	226°.85	0°.4/22.7	17 R
2 21	12 32.12	− 2 17.6	2.111	2.963	11.5	21.7
3 2	12 26.51	− 1 36.4	2.025	2.952	8.2	21.5
3 12	12 19.16	− 0 44.5	1.965	2.942	4.4	21.2
3 22	12 10.72	+ 0 13.5	1.934	2.930	0.5	20.9
4 1	12 2.05	+ 1 11.8	1.932	2.918	3.9	21.1
4 11	11 54.08	+ 2 4.2	1.959	2.906	7.9	21.3
4 21	11 47.56	+ 2 45.9	2.012	2.893	11.5	21.5
5 1	11 43.03	+ 3 13.7	2.086	2.879	14.6	21.7
414126 2007 UR_{139}			3 23.1	238°.01	1°.3/24.3	17
2 21	12 34.71	− 7 1.3	1.989	2.825	12.8	21.7
3 2	12 28.55	− 6 37.9	1.893	2.808	9.5	21.5
3 12	12 20.37	− 5 59.6	1.821	2.790	5.6	21.2
3 22	12 10.85	− 5 9.4	1.777	2.771	1.7	20.9
4 1	12 0.96	− 4 12.5	1.762	2.752	3.7	21.0
4 11	11 51.75	− 3 15.7	1.777	2.731	8.0	21.2
4 21	11 44.11	− 2 25.1	1.817	2.710	12.0	21.4
5 1	11 38.71	− 1 45.8	1.880	2.687	15.4	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
496924 2001 UR_{64}			3 23.1	111°.38	4°.3/29.3	17
	h m	° ′			°	m
2 21	12 29.36	−20 1.2	2.725	3.491	11.6	21.0
3 2	12 24.17	−19 42.5	2.653	3.510	9.4	20.9
3 12	12 17.71	−19 5.7	2.605	3.528	6.9	20.7
3 22	12 10.57	−18 12.5	2.584	3.546	4.9	20.6
4 1	12 3.40	−17 6.3	2.592	3.564	4.4	20.6
4 11	11 56.90	−15 52.4	2.629	3.581	5.8	20.7
4 21	11 51.59	−14 36.4	2.695	3.598	8.1	20.9
5 1	11 47.85	−13 23.9	2.785	3.614	10.4	21.1
342953 2009 AE_{47}			3 23.1	7°.64	2°.8/19.8	17
2 21	12 28.15	+ 4 17.6	2.044	2.918	10.9	20.4
3 2	12 23.64	+ 5 30.3	1.979	2.918	7.6	20.2
3 12	12 17.56	+ 6 48.5	1.940	2.918	4.2	19.9
3 22	12 10.56	+ 8 5.4	1.930	2.919	3.0	19.9
4 1	12 3.47	+ 9 14.0	1.948	2.919	5.7	20.0
4 11	11 57.13	+10 8.3	1.993	2.920	9.1	20.2
4 21	11 52.21	+10 45.0	2.063	2.920	12.3	20.4
5 1	11 49.17	+11 2.7	2.153	2.921	14.9	20.6
361145 2006 HE_{84}			3 23.1	286°.35	1°.9/21.5	17
2 21	12 31.76	+ 0 1.1	1.492	2.365	14.2	21.3
3 2	12 26.94	+ 0 59.2	1.405	2.343	10.1	21.0
3 12	12 19.70	+ 2 11.5	1.341	2.321	5.4	20.7
3 22	12 10.81	+ 3 30.9	1.303	2.298	1.9	20.4
4 1	12 1.44	+ 4 47.7	1.292	2.275	6.0	20.6
4 11	11 52.92	+ 5 52.3	1.307	2.252	11.1	20.8
4 21	11 46.36	+ 6 37.9	1.344	2.230	15.8	21.0
5 1	11 42.51	+ 7 0.7	1.400	2.207	19.8	21.2
38216 1999 NP_{10}			3 23.1	311°.24	1°.9/24.4	18
2 21	12 31.94	− 6 32.6	1.298	2.162	16.5	18.3
3 2	12 27.43	− 6 30.5	1.209	2.138	12.3	18.0
3 12	12 20.14	− 6 9.3	1.142	2.115	7.4	17.7
3 22	12 10.87	− 5 31.9	1.098	2.092	2.4	17.3
4 1	12 0.94	− 4 44.3	1.079	2.070	4.9	17.4
4 11	11 51.92	− 3 55.6	1.084	2.048	10.6	17.6
4 21	11 45.13	− 3 14.4	1.111	2.027	15.9	17.8
5 1	11 41.45	− 2 47.8	1.157	2.006	20.5	18.0
370724 2004 RM_{57}			3 23.1	111°.88	0°.8/22.3	18
2 21	12 35.05	+ 0 13.8	2.362	3.211	10.6	21.6
3 2	12 28.16	+ 0 37.5	2.308	3.235	7.4	21.4
3 12	12 19.85	+ 1 6.9	2.282	3.258	3.9	21.2
3 22	12 10.80	+ 1 38.3	2.285	3.280	0.8	21.0
4 1	12 1.82	+ 2 7.4	2.318	3.302	3.6	21.3
4 11	11 53.70	+ 2 30.3	2.382	3.323	7.0	21.5
4 21	11 47.02	+ 2 44.3	2.472	3.344	10.0	21.7
5 1	11 42.18	+ 2 47.9	2.585	3.364	12.4	21.9
458781 2011 SY_{116}			3 23.1	145°.66	0°.3/22.8	18
2 21	12 34.39	− 3 12.7	1.874	2.725	12.8	22.1
3 2	12 28.11	− 2 23.5	1.810	2.737	9.1	21.9
3 12	12 19.98	− 1 22.2	1.772	2.748	4.9	21.7
3 22	12 10.82	− 0 14.5	1.762	2.758	0.5	21.3
4 1	12 1.62	+ 0 52.5	1.781	2.767	4.1	21.6
4 11	11 53.38	+ 1 52.0	1.828	2.776	8.3	21.9
4 21	11 46.86	+ 2 38.8	1.901	2.784	12.0	22.1
5 1	11 42.56	+ 3 10.0	1.996	2.791	15.1	22.4
153142 2000 SG_{205}			3 23.1	227°.88	0°.2/23.3	18
2 21	12 30.77	− 4 38.3	2.191	3.037	11.4	20.9
3 2	12 25.52	− 3 53.9	2.104	3.027	8.2	20.7
3 12	12 18.62	− 2 57.1	2.042	3.016	4.5	20.4
3 22	12 10.70	− 1 52.0	2.009	3.005	0.6	20.1
4 1	12 2.58	− 0 44.5	2.006	2.994	3.5	20.3
4 11	11 55.10	+ 0 19.0	2.032	2.982	7.4	20.5
4 21	11 48.99	+ 1 13.3	2.083	2.970	10.9	20.7
5 1	11 44.78	+ 1 54.3	2.158	2.957	14.0	20.9
274789 2008 WN_{9}			3 23.1	258°.61	0°.9/22.1	17
2 21	12 29.78	− 1 6.8	2.008	2.869	11.6	21.1
3 2	12 24.89	− 0 18.5	1.930	2.863	8.2	20.9
3 12	12 18.29	+ 0 39.9	1.878	2.856	4.3	20.6
3 22	12 10.67	+ 1 43.3	1.854	2.850	0.9	20.4
4 1	12 2.87	+ 2 45.1	1.859	2.843	4.3	20.6
4 11	11 55.81	+ 3 39.0	1.891	2.836	8.2	20.8
4 21	11 50.21	+ 4 20.2	1.948	2.830	11.8	21.0
5 1	11 46.59	+ 4 45.8	2.027	2.823	14.8	21.2
521333 2015 LY_{43}			3 23.1	301°.61	5°.1/16.8	17
2 21	12 28.06	+11 45.9	2.130	3.009	10.3	21.0
3 2	12 23.68	+13 7.6	2.054	2.990	7.5	20.8
3 12	12 17.65	+14 29.7	2.005	2.971	5.4	20.6
3 22	12 10.61	+15 44.7	1.983	2.952	5.5	20.6
4 1	12 3.35	+16 45.5	1.989	2.934	7.8	20.7
4 11	11 56.75	+17 27.0	2.022	2.915	10.7	20.8
4 21	11 51.51	+17 46.7	2.076	2.897	13.6	21.0
5 1	11 48.15	+17 44.6	2.150	2.878	16.1	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
159720 2003 AJ_{90}			3 23.1	72°.95	5°.0/19.8	18
	h m	° ′			°	m
2 21	12 37.56	+ 8 9.8	1.252	2.136	15.6	20.0
3 2	12 30.89	+ 9 0.7	1.208	2.150	11.0	19.8
3 12	12 21.64	+ 9 52.2	1.187	2.163	6.6	19.5
3 22	12 11.01	+10 34.9	1.191	2.177	5.1	19.5
4 1	12 0.50	+11 0.4	1.221	2.191	8.4	19.7
4 11	11 51.57	+11 4.0	1.275	2.205	12.8	20.0
4 21	11 45.17	+10 45.0	1.349	2.219	16.8	20.3
5 1	11 41.79	+10 5.5	1.442	2.232	20.0	20.5
149524 2003 FH_{107}			3 23.1	343°.50	6°.4/18.9	17
2 21	12 30.18	+10 43.5	1.119	2.019	15.6	18.2
3 2	12 26.27	+11 22.5	1.052	2.000	11.4	17.9
3 12	12 19.48	+12 0.3	1.006	1.982	7.5	17.6
3 22	12 10.82	+12 26.7	0.983	1.966	6.6	17.5
4 1	12 1.78	+12 32.2	0.982	1.952	10.0	17.7
4 11	11 54.00	+12 11.1	1.003	1.940	14.7	17.9
4 21	11 48.71	+11 22.8	1.043	1.930	19.2	18.1
5 1	11 46.66	+10 9.8	1.099	1.922	23.1	18.3
223239 2003 EZ_{46}			3 23.1	353°.46	5°.1/28.5	17
2 21	12 28.16	−18 18.8	1.650	2.459	16.3	19.6
3 2	12 24.11	−17 49.1	1.571	2.457	13.0	19.4
3 12	12 18.01	−16 50.7	1.512	2.456	9.3	19.2
3 22	12 10.65	−15 25.9	1.478	2.455	6.0	19.0
4 1	12 3.10	−13 41.0	1.470	2.454	5.4	18.9
4 11	11 56.46	−11 46.4	1.490	2.453	8.2	19.1
4 21	11 51.62	− 9 53.1	1.534	2.453	12.0	19.3
5 1	11 49.15	− 8 10.8	1.601	2.453	15.6	19.5
210942 2001 TT_{209}			3 23.1	108°.33	0°.9/24.1	17
2 21	12 31.24	− 5 19.4	2.333	3.173	11.0	20.5
3 2	12 25.66	− 5 7.2	2.262	3.181	8.0	20.3
3 12	12 18.60	− 4 44.8	2.218	3.189	4.6	20.1
3 22	12 10.71	− 4 15.3	2.201	3.196	1.2	19.9
4 1	12 2.75	− 3 42.5	2.215	3.204	3.1	20.1
4 11	11 55.50	− 3 11.0	2.257	3.212	6.5	20.3
4 21	11 49.58	− 2 44.7	2.326	3.219	9.7	20.5
5 1	11 45.44	− 2 26.7	2.418	3.226	12.4	20.7
177090 2003 FR_{73}			3 23.1	113°.68	1°.0/21.7	17
2 21	12 26.69	− 2 9.4	2.412	3.268	10.1	19.7
3 2	12 22.43	− 0 45.5	2.342	3.272	7.0	19.5
3 12	12 16.85	+ 0 48.6	2.299	3.276	3.7	19.3
3 22	12 10.53	+ 2 26.9	2.285	3.280	1.0	19.1
4 1	12 4.14	+ 4 2.7	2.302	3.284	3.9	19.4
4 11	11 58.37	+ 5 29.4	2.349	3.288	7.2	19.6
4 21	11 53.77	+ 6 42.3	2.422	3.292	10.2	19.8
5 1	11 50.77	+ 7 38.5	2.518	3.296	12.8	19.9
519917 2013 RG_{104}			3 23.1	213°.50	0°.7/23.7	17
2 21	12 35.26	− 3 59.8	2.218	3.057	11.5	21.9
3 2	12 28.68	− 3 53.8	2.131	3.050	8.3	21.6
3 12	12 20.33	− 3 38.2	2.071	3.043	4.7	21.4
3 22	12 10.90	− 3 15.7	2.039	3.035	1.0	21.1
4 1	12 1.24	− 2 50.2	2.038	3.026	3.4	21.3
4 11	11 52.28	− 2 26.3	2.066	3.017	7.2	21.5
4 21	11 44.78	− 2 7.8	2.121	3.008	10.7	21.7
5 1	11 39.30	− 1 58.1	2.198	2.998	13.7	21.9
7717 Tabeisshi			3 23.1	29°.24	3°.2/25.0	18
2 21	12 34.62	− 7 10.1	0.971	1.845	19.9	16.1
3 2	12 29.21	− 7 41.9	0.934	1.866	14.6	15.8
3 12	12 20.86	− 7 51.7	0.916	1.889	8.9	15.6
3 22	12 10.94	− 7 42.8	0.920	1.913	3.8	15.4
4 1	12 1.20	− 7 21.7	0.947	1.938	5.4	15.6
4 11	11 53.29	− 6 57.7	0.997	1.965	10.6	15.9
4 21	11 48.25	− 6 38.5	1.067	1.993	15.4	16.3
5 1	11 46.54	− 6 30.0	1.156	2.022	19.4	16.6
58825 1998 HE_{11}			3 23.1	178°.09	5°.0/16.4	18
2 21	12 32.23	+17 40.4	2.895	3.756	8.5	19.6
3 2	12 26.12	+18 25.8	2.838	3.757	6.5	19.4
3 12	12 18.76	+19 5.5	2.808	3.758	5.2	19.3
3 22	12 10.73	+19 35.0	2.808	3.759	5.3	19.4
4 1	12 2.68	+19 50.7	2.836	3.759	6.7	19.4
4 11	11 55.27	+19 50.6	2.892	3.759	8.8	19.6
4 21	11 49.05	+19 34.6	2.973	3.758	10.8	19.7
5 1	11 44.38	+19 3.8	3.073	3.757	12.5	19.9
329779 2004 MT_{7}			3 23.1	277°.11	6°.0/17.8	18
2 21	12 35.67	+13 51.0	1.824	2.697	12.0	20.1
3 2	12 29.33	+14 41.5	1.746	2.678	9.0	19.9
3 12	12 20.82	+15 28.5	1.694	2.658	6.5	19.7
3 22	12 10.96	+16 4.5	1.669	2.639	6.2	19.6
4 1	12 0.81	+16 22.5	1.671	2.619	8.7	19.7
4 11	11 51.55	+16 18.7	1.699	2.600	12.0	19.9
4 21	11 44.10	+15 52.3	1.750	2.580	15.3	20.0
5 1	11 39.09	+15 5.0	1.819	2.560	18.2	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
498854 2008 XH_{50}			3 23.1	116°.70	5°.0/29.2	17
	h m	° ′			°	m
2 21	12 33.19	−19 50.8	2.579	3.342	12.3	22.4
3 2	12 26.99	−20 8.8	2.506	3.359	10.0	22.3
3 12	12 19.32	−20 9.0	2.457	3.375	7.6	22.1
3 22	12 10.80	−19 51.9	2.435	3.391	5.6	22.0
4 1	12 2.20	−19 19.5	2.442	3.407	5.1	22.0
4 11	11 54.31	−18 36.4	2.477	3.422	6.5	22.1
4 21	11 47.75	−17 47.8	2.539	3.437	8.8	22.3
5 1	11 42.97	−16 59.1	2.627	3.451	11.0	22.5
330494 2007 HO_{16}			3 23.1	211°.42	0°.9/22.1	17
2 21	12 28.79	− 3 9.2	1.812	2.674	12.7	20.8
3 2	12 24.30	− 1 49.4	1.741	2.673	8.9	20.5
3 12	12 18.02	− 0 15.1	1.695	2.673	4.7	20.3
3 22	12 10.67	+ 1 26.4	1.676	2.672	0.9	20.0
4 1	12 3.19	+ 3 6.4	1.687	2.671	4.6	20.3
4 11	11 56.54	+ 4 35.8	1.725	2.671	8.9	20.5
4 21	11 51.47	+ 5 48.5	1.788	2.670	12.7	20.7
5 1	11 48.51	+ 6 40.6	1.872	2.669	15.8	21.0
162598 2000 SP_{67}			3 23.1	161°.54	0°.4/22.7	18
2 21	12 33.74	− 2 56.1	1.782	2.637	13.2	21.3
3 2	12 27.79	− 2 7.7	1.713	2.642	9.3	21.1
3 12	12 19.90	− 1 6.7	1.670	2.647	5.0	20.8
3 22	12 10.87	+ 0 1.1	1.655	2.651	0.5	20.5
4 1	12 1.73	+ 1 8.4	1.668	2.655	4.3	20.8
4 11	11 53.55	+ 2 7.8	1.709	2.658	8.7	21.1
4 21	11 47.13	+ 2 54.0	1.775	2.660	12.6	21.3
5 1	11 43.01	+ 3 23.7	1.862	2.662	15.8	21.5
114280 2002 XW_{21}			3 23.1	140°.97	2°.2/21.4	18
2 21	12 36.46	+ 1 51.7	1.551	2.419	14.1	19.6
3 2	12 29.88	+ 2 39.8	1.492	2.428	9.8	19.3
3 12	12 21.07	+ 3 36.3	1.458	2.436	5.2	19.1
3 22	12 10.99	+ 4 33.8	1.451	2.444	2.2	18.9
4 1	12 0.87	+ 5 24.4	1.471	2.452	5.8	19.1
4 11	11 51.94	+ 6 1.5	1.518	2.459	10.3	19.4
4 21	11 45.10	+ 6 21.3	1.589	2.465	14.3	19.7
5 1	11 40.89	+ 6 22.5	1.679	2.471	17.6	19.9
383747 2007 VO_{95}			3 23.1	95°.18	4°.3/28.0	17
2 21	12 30.79	−16 33.2	2.315	3.107	12.7	20.8
3 2	12 25.43	−16 37.3	2.241	3.118	10.0	20.7
3 12	12 18.53	−16 23.6	2.191	3.128	7.2	20.5
3 22	12 10.73	−15 53.2	2.167	3.139	4.8	20.4
4 1	12 2.84	−15 9.4	2.172	3.149	4.5	20.4
4 11	11 55.68	−14 17.5	2.204	3.160	6.6	20.5
4 21	11 49.89	−13 23.2	2.264	3.170	9.3	20.7
5 1	11 45.94	−12 32.1	2.347	3.180	11.9	20.9
214531 2006 KZ_{94}			3 23.1	95°.51	3°.0/25.9	18
2 21	12 31.91	−11 58.7	1.525	2.361	16.0	20.5
3 2	12 26.76	−11 24.2	1.459	2.370	12.1	20.3
3 12	12 19.43	−10 26.2	1.416	2.379	7.7	20.1
3 22	12 10.83	− 9 8.9	1.398	2.387	3.6	19.9
4 1	12 2.13	− 7 40.2	1.407	2.396	4.3	19.9
4 11	11 54.53	− 6 10.4	1.442	2.405	8.6	20.2
4 21	11 48.92	− 4 48.7	1.502	2.413	12.8	20.5
5 1	11 45.86	− 3 42.0	1.583	2.422	16.4	20.7
47692 2000 CC_{94}			3 23.1	134°.56	1°.1/24.3	18
2 21	12 33.25	− 5 33.7	2.290	3.127	11.3	18.1
3 2	12 27.11	− 5 29.8	2.218	3.134	8.2	17.9
3 12	12 19.42	− 5 15.7	2.171	3.141	4.8	17.7
3 22	12 10.83	− 4 54.0	2.153	3.148	1.4	17.4
4 1	12 2.15	− 4 28.3	2.165	3.154	3.1	17.6
4 11	11 54.22	− 4 3.0	2.206	3.160	6.6	17.8
4 21	11 47.69	− 3 42.0	2.274	3.166	9.9	18.0
5 1	11 43.02	− 3 28.6	2.365	3.172	12.6	18.2
422892 2002 QO_{145}			3 23.1	251°.42	5°.1/16.5	17
2 21	12 29.24	+11 54.1	2.212	3.088	10.1	20.9
3 2	12 24.45	+13 26.4	2.142	3.076	7.4	20.7
3 12	12 18.06	+14 58.9	2.099	3.064	5.4	20.6
3 22	12 10.70	+16 23.9	2.085	3.051	5.5	20.6
4 1	12 3.16	+17 34.2	2.099	3.039	7.7	20.7
4 11	11 56.29	+18 24.6	2.140	3.026	10.6	20.8
4 21	11 50.77	+18 52.9	2.203	3.012	13.3	21.0
5 1	11 47.10	+18 59.3	2.286	2.999	15.6	21.1
299417 2005 YG_{91}			3 23.1	168°.64	1°.8/24.8	18
2 21	12 35.26	− 8 46.6	1.891	2.722	13.6	21.8
3 2	12 28.84	− 8 17.0	1.816	2.727	10.0	21.6
3 12	12 20.47	− 7 30.6	1.766	2.732	6.0	21.4
3 22	12 10.95	− 6 31.3	1.743	2.736	2.2	21.1
4 1	12 1.29	− 5 25.0	1.750	2.739	3.7	21.3
4 11	11 52.54	− 4 19.0	1.785	2.741	7.8	21.5
4 21	11 45.52	− 3 20.0	1.847	2.742	11.6	21.7
5 1	11 40.79	− 2 33.0	1.930	2.743	14.9	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
147479 2004 CH_{30}			3 23.1 278°.34		0°.6/23.6 17	
	h m	° ′			°	m
2 21	12 32.78	− 4 38.6	1.687	2.541	13.8	20.3
3 2	12 27.48	− 4 14.1	1.595	2.521	10.1	20.0
3 12	12 19.95	− 3 34.6	1.527	2.501	5.7	19.7
3 22	12 10.92	− 2 44.2	1.485	2.481	1.0	19.3
4 1	12 1.45	− 1 49.2	1.471	2.460	4.2	19.5
4 11	11 52.74	− 0 57.0	1.484	2.439	9.1	19.7
4 21	11 45.81	− 0 14.4	1.521	2.418	13.5	19.9
5 1	11 41.36	+ 0 13.7	1.578	2.397	17.4	20.1
376489 2012 KB_{10}			3 23.1 256°.86		3°.7/19.6 17	
2 21	12 32.01	+ 6 40.1	1.824	2.699	11.9	20.7
3 2	12 26.61	+ 7 37.6	1.754	2.693	8.4	20.5
3 12	12 19.30	+ 8 38.8	1.711	2.687	5.0	20.2
3 22	12 10.83	+ 9 36.4	1.694	2.681	3.8	20.1
4 1	12 2.21	+10 23.4	1.706	2.674	6.6	20.3
4 11	11 54.46	+10 54.1	1.744	2.668	10.3	20.5
4 21	11 48.39	+11 5.9	1.805	2.662	13.8	20.7
5 1	11 44.54	+10 58.2	1.886	2.655	16.7	20.9
294225 2007 UY_{20}			3 23.1 150°.21		2°.0/25.7 17	
2 21	12 29.04	−10 44.1	2.391	3.213	11.4	21.3
3 2	12 24.14	−10 11.5	2.313	3.217	8.5	21.1
3 12	12 17.83	− 9 24.0	2.260	3.222	5.3	20.9
3 22	12 10.69	− 8 24.8	2.236	3.226	2.4	20.8
4 1	12 3.46	− 7 18.5	2.241	3.230	3.1	20.8
4 11	11 56.89	− 6 11.0	2.275	3.233	6.2	21.0
4 21	11 51.57	− 5 7.8	2.336	3.237	9.3	21.2
5 1	11 47.95	− 4 13.5	2.421	3.240	12.0	21.4
68243 2001 DO_{60}			3 23.1 220°.42		1°.9/21.0 17	
2 21	12 30.17	+ 1 49.8	2.064	2.930	11.1	20.0
3 2	12 25.13	+ 2 46.2	1.991	2.926	7.8	19.8
3 12	12 18.43	+ 3 50.0	1.944	2.922	4.2	19.5
3 22	12 10.76	+ 4 55.5	1.925	2.919	1.9	19.4
4 1	12 2.95	+ 5 56.0	1.936	2.915	4.9	19.6
4 11	11 55.88	+ 6 45.7	1.974	2.910	8.5	19.8
4 21	11 50.25	+ 7 20.7	2.037	2.906	11.9	20.0
5 1	11 46.56	+ 7 39.0	2.121	2.902	14.8	20.2
216606 2002 TO_{8}			3 23.1 218°.59		0°.5/23.7 17	
2 21	12 32.44	− 5 24.0	1.987	2.832	12.4	21.4
3 2	12 26.86	− 4 45.2	1.903	2.824	9.0	21.2
3 12	12 19.44	− 3 52.3	1.843	2.816	5.1	20.9
3 22	12 10.87	− 2 49.9	1.812	2.808	0.9	20.6
4 1	12 2.07	− 1 43.8	1.810	2.798	3.7	20.8
4 11	11 54.02	− 0 41.2	1.836	2.788	7.9	21.0
4 21	11 47.52	+ 0 12.2	1.888	2.778	11.7	21.2
5 1	11 43.12	+ 0 51.9	1.962	2.767	14.9	21.4
213254 2001 DV_{100}			3 23.1 65°.28		2°.6/21.2 18	
2 21	12 35.87	+ 2 49.1	1.354	2.231	15.1	19.9
3 2	12 29.47	+ 3 34.8	1.315	2.254	10.5	19.7
3 12	12 20.81	+ 4 27.2	1.299	2.278	5.6	19.5
3 22	12 11.00	+ 5 18.1	1.308	2.302	2.6	19.4
4 1	12 1.39	+ 5 59.6	1.345	2.326	6.2	19.7
4 11	11 53.23	+ 6 25.6	1.407	2.349	10.7	20.0
4 21	11 47.36	+ 6 33.3	1.491	2.373	14.7	20.3
5 1	11 44.22	+ 6 22.6	1.594	2.396	17.9	20.5
497380 2005 UM_{429}			3 23.1 215°.22		1°.6/25.0 17	
2 21	12 32.04	− 9 1.2	2.456	3.278	11.1	23.8
3 2	12 26.32	− 8 32.3	2.362	3.269	8.3	23.6
3 12	12 19.06	− 7 49.6	2.294	3.258	5.0	23.4
3 22	12 10.84	− 6 56.0	2.255	3.247	2.0	23.2
4 1	12 2.40	− 5 55.7	2.246	3.235	3.1	23.2
4 11	11 54.55	− 4 54.4	2.267	3.222	6.4	23.4
4 21	11 47.96	− 3 57.4	2.316	3.209	9.7	23.6
5 1	11 43.12	− 3 9.0	2.388	3.194	12.6	23.8
55945 1998 HF_{23}			3 23.1 228°.19		2°.2/20.5 18	
2 21	12 31.18	+ 5 27.4	2.656	3.517	9.1	19.2
3 2	12 25.55	+ 5 58.8	2.577	3.509	6.4	19.0
3 12	12 18.57	+ 6 32.7	2.524	3.500	3.6	18.8
3 22	12 10.78	+ 7 5.2	2.501	3.491	2.2	18.7
4 1	12 2.87	+ 7 32.0	2.509	3.482	4.4	18.8
4 11	11 55.53	+ 7 49.8	2.545	3.472	7.3	19.0
4 21	11 49.35	+ 7 56.3	2.608	3.462	10.1	19.1
5 1	11 44.76	+ 7 50.7	2.692	3.452	12.5	19.3
326418 2001 TH_{27}			3 23.1 151°.12		2°.9/26.6 16	
2 21	12 31.18	−13 36.5	2.175	2.985	12.8	21.8
3 2	12 25.77	−13 1.0	2.099	2.993	9.8	21.6
3 12	12 18.75	−12 6.7	2.047	3.001	6.4	21.4
3 22	12 10.80	−10 56.9	2.022	3.008	3.4	21.3
4 1	12 2.77	− 9 36.9	2.027	3.014	3.6	21.3
4 11	11 55.50	− 8 13.7	2.062	3.020	6.7	21.5
4 21	11 49.69	− 6 54.3	2.123	3.026	10.0	21.7
5 1	11 45.79	− 5 44.6	2.208	3.031	12.9	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
447211 2005 TX_{59}			3 23.1 94°.96		1°.3/22.2 18	
	h m	° ′			°	m
2 21	12 38.00	+ 0 32.1	1.360	2.229	15.6	20.9
3 2	12 31.16	+ 0 56.9	1.307	2.243	11.0	20.6
3 12	12 21.83	+ 1 31.3	1.277	2.256	5.8	20.4
3 22	12 11.12	+ 2 8.9	1.273	2.269	1.4	20.1
4 1	12 0.44	+ 2 42.2	1.296	2.282	5.5	20.4
4 11	11 51.17	+ 3 4.7	1.345	2.294	10.5	20.7
4 21	11 44.27	+ 3 12.5	1.416	2.306	14.8	21.0
5 1	11 40.30	+ 3 4.0	1.507	2.318	18.4	21.3
506552 2005 QK_{127}			3 23.1 232°.91		2°.5/25.8 17	
2 21	12 32.12	−10 3.5	2.531	3.347	11.0	21.7
3 2	12 26.34	−10 13.3	2.442	3.342	8.3	21.5
3 12	12 19.05	−10 11.2	2.378	3.336	5.4	21.3
3 22	12 10.84	− 9 58.5	2.343	3.330	2.8	21.2
4 1	12 2.43	− 9 37.9	2.338	3.325	3.3	21.2
4 11	11 54.60	− 9 13.1	2.362	3.318	6.2	21.4
4 21	11 48.00	− 8 48.3	2.414	3.312	9.1	21.5
5 1	11 43.13	− 8 27.4	2.489	3.306	11.8	21.7
413932 2006 XL_{35}			3 23.1 93°.76		8°.4/14.6 16	
2 21	12 34.26	+19 54.8	1.741	2.614	12.5	21.2
3 2	12 28.11	+21 28.2	1.709	2.630	9.9	21.1
3 12	12 20.02	+22 50.1	1.702	2.645	8.5	21.1
3 22	12 10.93	+23 51.5	1.721	2.660	8.9	21.1
4 1	12 1.97	+24 26.0	1.766	2.675	11.0	21.3
4 11	11 54.19	+24 31.5	1.834	2.689	13.5	21.4
4 21	11 48.35	+24 9.9	1.922	2.704	15.9	21.6
5 1	11 44.88	+23 25.0	2.027	2.718	18.0	21.8
489250 2006 RV_{53}			3 23.1 190°.91		1°.1/21.7 18	
2 21	12 30.04	+ 1 24.5	2.731	3.586	9.1	22.4
3 2	12 24.70	+ 1 58.8	2.655	3.585	6.4	22.2
3 12	12 18.09	+ 2 38.2	2.606	3.583	3.4	22.0
3 22	12 10.74	+ 3 19.0	2.587	3.581	1.1	21.8
4 1	12 3.30	+ 3 57.1	2.598	3.579	3.6	22.0
4 11	11 56.43	+ 4 28.7	2.638	3.576	6.6	22.2
4 21	11 50.66	+ 4 51.0	2.705	3.573	9.4	22.3
5 1	11 46.41	+ 5 2.2	2.795	3.569	11.7	22.5
41486 2000 QQ_{62}			3 23.1 301°.31		3°.0/19.9 18	
2 21	12 29.59	+ 5 59.1	2.115	2.988	10.6	19.1
3 2	12 24.72	+ 6 49.0	2.041	2.978	7.5	18.9
3 12	12 18.23	+ 7 42.6	1.992	2.969	4.3	18.6
3 22	12 10.76	+ 8 33.9	1.972	2.960	3.1	18.5
4 1	12 3.14	+ 9 17.1	1.981	2.951	5.6	18.7
4 11	11 56.22	+ 9 47.2	2.016	2.942	9.0	18.9
4 21	11 50.70	+10 1.7	2.076	2.934	12.2	19.1
5 1	11 47.07	+ 9 59.4	2.156	2.925	14.9	19.2
101791 1999 GV_{44}			3 23.1 162°.66		4°.9/18.5 18	
2 21	12 32.96	+10 16.1	1.783	2.660	12.0	18.6
3 2	12 27.26	+11 18.3	1.724	2.661	8.7	18.4
3 12	12 19.64	+12 20.0	1.691	2.662	5.7	18.2
3 22	12 10.91	+13 13.6	1.684	2.662	5.2	18.2
4 1	12 2.10	+13 52.0	1.705	2.663	7.7	18.3
4 11	11 54.27	+14 10.7	1.752	2.663	11.1	18.5
4 21	11 48.20	+14 8.3	1.822	2.664	14.3	18.7
5 1	11 44.41	+13 45.7	1.910	2.664	17.0	18.9
94119 2000 YN_{103}			3 23.1 98°.88		2°.2/20.6 18	
2 21	12 30.04	+ 1 58.1	1.954	2.822	11.6	19.6
3 2	12 25.00	+ 3 12.0	1.898	2.835	8.0	19.4
3 12	12 18.33	+ 4 33.0	1.868	2.847	4.3	19.2
3 22	12 10.77	+ 5 54.1	1.867	2.859	2.3	19.1
4 1	12 3.20	+ 7 7.9	1.895	2.871	5.2	19.3
4 11	11 56.49	+ 8 8.1	1.950	2.883	8.8	19.5
4 21	11 51.31	+ 8 50.9	2.030	2.894	12.1	19.8
5 1	11 48.10	+ 9 15.0	2.130	2.906	14.9	20.0
311605 2006 MK_{7}			3 23.2 205°.72		3°.4/19.8 16	
2 21	12 32.61	+ 4 56.6	1.795	2.668	12.2	21.1
3 2	12 27.07	+ 6 9.7	1.726	2.664	8.6	20.9
3 12	12 19.58	+ 7 28.8	1.684	2.661	4.9	20.7
3 22	12 10.92	+ 8 46.2	1.668	2.656	3.5	20.6
4 1	12 2.10	+ 9 53.5	1.682	2.652	6.5	20.7
4 11	11 54.16	+10 44.1	1.722	2.646	10.4	21.0
4 21	11 47.94	+11 14.5	1.785	2.641	13.9	21.2
5 1	11 43.99	+11 23.7	1.868	2.635	16.9	21.4
399700 2004 TG_{207}			3 23.2 180°.58		2°.0/25.1 18	
2 21	12 33.01	− 9 46.7	1.755	2.590	14.3	21.3
3 2	12 27.42	− 9 8.0	1.679	2.591	10.6	21.1
3 12	12 19.79	− 8 9.7	1.626	2.592	6.5	20.8
3 22	12 10.94	− 6 56.0	1.600	2.592	2.5	20.6
4 1	12 1.91	− 5 33.9	1.602	2.592	3.9	20.6
4 11	11 53.80	− 4 12.1	1.632	2.591	8.1	20.9
4 21	11 47.46	− 2 58.4	1.688	2.589	12.2	21.1
5 1	11 43.47	− 1 58.9	1.765	2.587	15.7	21.4

340793 2006 TZ_{15} 3 23.2 89°.57 1°.8/25.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.91	−10 9.7	2.304	3.132	11.6	21.0
3 2	12 23.39	− 9 30.0	2.229	3.138	8.6	20.8
3 12	12 17.45	− 8 35.1	2.180	3.144	5.3	20.6
3 22	12 10.69	− 7 28.7	2.158	3.150	2.2	20.4
4 1	12 3.86	− 6 16.0	2.166	3.155	3.1	20.5
4 11	11 57.70	− 5 3.2	2.203	3.161	6.3	20.7
4 21	11 52.81	− 3 56.1	2.266	3.167	9.5	20.9
5 1	11 49.62	− 2 59.2	2.353	3.173	12.3	21.1

216158 2006 SD_{328} 3 23.2 260°.31 1°.7/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.50	+ 0 34.4	1.744	2.610	12.8	21.0
3 2	12 27.17	+ 1 26.6	1.660	2.595	9.1	20.8
3 12	12 19.74	+ 2 29.5	1.600	2.579	4.8	20.5
3 22	12 10.95	+ 3 37.0	1.568	2.563	1.7	20.2
4 1	12 1.84	+ 4 41.2	1.564	2.546	5.3	20.4
4 11	11 53.52	+ 5 34.6	1.587	2.529	9.8	20.7
4 21	11 46.93	+ 6 11.9	1.634	2.512	13.9	20.9
5 1	11 42.71	+ 6 30.2	1.701	2.495	17.3	21.1

106467 2000 WJ_{7} 3 23.2 131°.14 0°.6/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.51	− 3 10.4	1.659	2.518	13.7	20.5
3 2	12 27.02	− 2 6.8	1.596	2.527	9.7	20.3
3 12	12 19.54	− 0 49.3	1.558	2.536	5.2	20.0
3 22	12 10.92	+ 0 35.3	1.548	2.544	0.7	19.7
4 1	12 2.23	+ 1 58.2	1.566	2.552	4.6	20.0
4 11	11 54.57	+ 3 10.9	1.611	2.559	9.1	20.3
4 21	11 48.74	+ 4 7.6	1.680	2.566	13.1	20.5
5 1	11 45.27	+ 4 44.9	1.770	2.573	16.4	20.8

417659 2006 YN_{21} 3 23.2 38°.96 5°.0/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.00	−14 40.3	1.463	2.290	17.0	20.5
3 2	12 26.96	−14 50.2	1.401	2.301	13.3	20.3
3 12	12 19.62	−14 35.6	1.360	2.312	9.2	20.1
3 22	12 10.93	−13 58.0	1.342	2.323	5.7	19.9
4 1	12 2.12	−13 2.9	1.351	2.335	5.5	19.9
4 11	11 54.47	−11 58.7	1.384	2.348	8.8	20.2
4 21	11 48.89	−10 54.8	1.442	2.360	12.7	20.4
5 1	11 45.98	− 9 58.9	1.520	2.374	16.2	20.7

418107 2007 XC_{43} 3 23.2 17°.84 1°.3/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.22	− 5 49.1	1.242	2.111	16.8	20.9
3 2	12 26.64	− 5 31.8	1.183	2.115	12.2	20.6
3 12	12 19.54	− 4 55.6	1.144	2.120	7.0	20.3
3 22	12 10.93	− 4 5.8	1.130	2.125	1.7	20.0
4 1	12 2.18	− 3 10.5	1.141	2.132	4.7	20.2
4 11	11 54.69	− 2 19.2	1.176	2.139	10.0	20.5
4 21	11 49.50	− 1 39.3	1.233	2.147	14.7	20.8
5 1	11 47.19	− 1 16.0	1.309	2.156	18.7	21.1

143594 2003 FD_{62} 3 23.2 149°.59 2°.2/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.43	+ 4 40.0	1.999	2.860	11.7	19.4
3 2	12 29.52	+ 5 0.4	1.934	2.866	8.2	19.2
3 12	12 20.81	+ 5 23.8	1.894	2.871	4.5	19.0
3 22	12 11.06	+ 5 45.6	1.884	2.876	2.3	18.8
4 1	12 1.26	+ 6 1.0	1.903	2.880	5.0	19.0
4 11	11 52.38	+ 6 6.2	1.950	2.885	8.7	19.2
4 21	11 45.20	+ 5 59.1	2.022	2.889	12.1	19.5
5 1	11 40.19	+ 5 39.2	2.116	2.892	14.9	19.7

287894 2003 SL_{351} 3 23.2 209°.52 2°.6/20.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.83	+ 3 17.6	1.742	2.611	12.7	21.5
3 2	12 28.00	+ 4 13.4	1.671	2.607	8.9	21.3
3 12	12 20.12	+ 5 16.4	1.625	2.603	4.9	21.0
3 22	12 11.00	+ 6 19.7	1.606	2.598	2.7	20.9
4 1	12 1.70	+ 7 15.4	1.616	2.593	5.9	21.1
4 11	11 53.32	+ 7 57.2	1.653	2.587	10.0	21.3
4 21	11 46.73	+ 8 21.1	1.714	2.581	13.8	21.5
5 1	11 42.52	+ 8 25.9	1.794	2.575	17.0	21.7

163109 2002 AR_{156} 3 23.2 0°.17 1°.4/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.40	− 1 20.7	1.217	2.099	16.1	19.8
3 2	12 26.13	− 0 25.0	1.155	2.097	11.4	19.5
3 12	12 19.30	+ 0 46.6	1.116	2.096	6.0	19.2
3 22	12 10.92	+ 2 5.5	1.100	2.096	1.4	18.9
4 1	12 2.34	+ 3 20.8	1.110	2.096	6.0	19.2
4 11	11 55.00	+ 4 22.2	1.143	2.097	11.4	19.5
4 21	11 49.94	+ 5 2.8	1.198	2.099	16.2	19.8
5 1	11 47.79	+ 5 19.7	1.271	2.101	20.1	20.0

457640 2009 BK_{174} 3 23.2 140°.95 1°.8/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.78	+ 0 20.7	1.811	2.673	12.6	22.1
3 2	12 27.76	+ 1 29.2	1.751	2.685	8.8	21.9
3 12	12 19.88	+ 2 47.2	1.718	2.696	4.6	21.6
3 22	12 10.97	+ 4 7.3	1.712	2.707	1.8	21.5
4 1	12 2.03	+ 5 21.7	1.736	2.716	5.1	21.7
4 11	11 54.07	+ 6 23.2	1.788	2.725	9.2	22.0
4 21	11 47.86	+ 7 7.5	1.864	2.734	12.8	22.2
5 1	11 43.88	+ 7 32.8	1.961	2.742	15.8	22.4

248058 2004 LF_{24} 3 23.2 236°.00 6°.3/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.31	+21 50.4	2.827	3.686	8.7	20.6
3 2	12 24.96	+23 3.3	2.765	3.674	7.1	20.5
3 12	12 18.27	+24 8.8	2.731	3.661	6.3	20.4
3 22	12 10.80	+25 1.4	2.724	3.648	6.8	20.4
4 1	12 3.22	+25 36.5	2.745	3.634	8.3	20.5
4 11	11 56.22	+25 51.7	2.792	3.620	10.2	20.6
4 21	11 50.37	+25 46.8	2.860	3.606	12.0	20.7
5 1	11 46.11	+25 23.2	2.947	3.592	13.7	20.8

329649 2003 SH_{242} 3 23.2 94°.40 0°.3/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.51	− 4 18.2	1.609	2.464	14.3	21.8
3 2	12 28.40	− 3 43.5	1.555	2.482	10.2	21.6
3 12	12 20.26	− 2 55.1	1.524	2.499	5.6	21.4
3 22	12 11.01	− 1 58.4	1.520	2.516	0.8	21.0
4 1	12 1.78	− 1 0.8	1.544	2.533	4.2	21.3
4 11	11 53.70	− 0 9.6	1.595	2.549	8.7	21.6
4 21	11 47.59	+ 0 29.8	1.671	2.565	12.7	21.9
5 1	11 43.92	+ 0 54.0	1.767	2.581	16.0	22.2

331197 2011 AP_{72} 3 23.2 33°.42 6°.3/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.68	+10 15.9	1.502	2.392	13.0	20.2
3 2	12 24.46	+12 16.1	1.456	2.399	9.4	20.0
3 12	12 18.21	+14 16.5	1.435	2.405	6.7	19.9
3 22	12 10.80	+16 5.3	1.441	2.413	6.8	19.9
4 1	12 3.36	+17 31.9	1.473	2.420	9.7	20.1
4 11	11 56.99	+18 29.5	1.529	2.428	13.2	20.3
4 21	11 52.51	+18 56.8	1.605	2.437	16.4	20.5
5 1	11 50.41	+18 55.3	1.699	2.445	19.1	20.8

427009 2014 SZ_{206} 3 23.2 109°.25 0°.2/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.28	− 3 34.4	1.842	2.696	12.8	21.2
3 2	12 26.66	− 2 43.7	1.783	2.711	9.1	21.0
3 12	12 19.28	− 1 40.8	1.749	2.725	4.9	20.8
3 22	12 10.91	− 0 31.4	1.743	2.739	0.5	20.5
4 1	12 2.55	+ 0 37.4	1.766	2.753	4.0	20.8
4 11	11 55.13	+ 1 38.4	1.816	2.766	8.2	21.1
4 21	11 49.39	+ 2 26.7	1.892	2.779	11.8	21.3
5 1	11 45.80	+ 2 59.2	1.990	2.792	14.9	21.6

307725 2003 UT_{172} 3 23.2 103°.81 4°.5/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.21	+ 7 51.6	1.656	2.533	12.8	20.5
3 2	12 28.12	+ 9 7.7	1.611	2.549	9.0	20.3
3 12	12 20.08	+10 25.1	1.591	2.565	5.6	20.1
3 22	12 11.00	+11 35.1	1.599	2.581	4.7	20.1
4 1	12 1.99	+12 29.8	1.634	2.596	7.5	20.3
4 11	11 54.12	+13 4.0	1.695	2.611	11.0	20.5
4 21	11 48.18	+13 16.1	1.779	2.626	14.4	20.8
5 1	11 44.61	+13 6.9	1.881	2.640	17.1	21.0

15711 1989 GZ_{1} 3 23.2 247°.05 1°.4/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.27	− 7 0.6	1.511	2.363	15.3	18.9
3 2	12 27.93	− 6 34.7	1.434	2.358	11.2	18.6
3 12	12 20.22	− 5 50.1	1.380	2.352	6.6	18.4
3 22	12 11.03	− 4 51.3	1.352	2.346	1.9	18.0
4 1	12 1.55	− 3 45.5	1.350	2.340	4.3	18.2
4 11	11 53.06	− 2 41.6	1.375	2.334	9.3	18.4
4 21	11 46.59	− 1 47.3	1.424	2.328	13.8	18.7
5 1	11 42.79	− 1 8.3	1.492	2.322	17.7	18.9

278547 2008 FM_{8} 3 23.2 32°.75 9°.8/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 40.02	+19 54.7	1.139	2.023	16.8	19.2
3 2	12 32.67	+20 30.6	1.112	2.042	13.1	19.0
3 12	12 22.58	+20 49.4	1.106	2.062	10.3	19.0
3 22	12 11.25	+20 42.1	1.124	2.084	10.0	19.0
4 1	12 0.40	+20 4.1	1.165	2.106	12.3	19.2
4 11	11 51.53	+18 56.9	1.228	2.129	15.5	19.4
4 21	11 45.53	+17 26.2	1.310	2.154	18.7	19.7
5 1	11 42.73	+15 38.4	1.410	2.178	21.4	20.0

241977 2002 JO_{46} 3 23.2 221°.20 3°.0/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.24	−11 54.3	1.875	2.698	14.0	20.2
3 2	12 27.61	−11 36.4	1.788	2.690	10.7	20.0
3 12	12 19.96	−10 59.1	1.723	2.682	7.0	19.7
3 22	12 11.02	−10 4.6	1.685	2.673	3.5	19.5
4 1	12 1.79	− 8 58.0	1.676	2.664	4.1	19.5
4 11	11 53.34	− 7 46.8	1.695	2.654	7.8	19.7
4 21	11 46.56	− 6 38.6	1.739	2.644	11.7	19.9
5 1	11 42.08	− 5 40.1	1.806	2.633	15.2	20.1

57043 2001 FS_{13} 3 23.2 260°.44 0°.8/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.62	− 1 41.3	1.787	2.647	12.9	19.7
3 2	12 27.26	− 0 55.7	1.698	2.630	9.2	19.5
3 12	12 19.82	+ 0 2.5	1.634	2.612	4.9	19.2
3 22	12 11.01	+ 1 7.9	1.597	2.593	0.8	18.8
4 1	12 1.85	+ 2 13.3	1.589	2.575	4.7	19.1
4 11	11 53.44	+ 3 11.0	1.608	2.556	9.2	19.3
4 21	11 46.71	+ 3 55.1	1.652	2.536	13.4	19.5
5 1	11 42.31	+ 4 22.0	1.716	2.516	16.9	19.7

214446 2005 ST_3 3 23.2 251°.57 4°.5/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.68	+14 32.7	2.705	3.569	8.9	20.2
3 2	12 26.65	+15 12.9	2.628	3.553	6.6	20.1
3 12	12 19.22	+15 49.6	2.577	3.537	4.9	19.9
3 22	12 10.94	+16 18.1	2.556	3.521	4.7	19.9
4 1	12 2.52	+16 34.1	2.565	3.505	6.5	20.0
4 11	11 54.70	+16 35.1	2.601	3.488	8.9	20.1
4 21	11 48.08	+16 20.3	2.661	3.471	11.2	20.2
5 1	11 43.11	+15 50.3	2.743	3.454	13.3	20.4

81769 2000 JZ_{67} 3 23.2 238°.20 4°.5/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.50	+ 9 35.8	2.033	2.906	11.0	20.4
3 2	12 26.91	+10 47.5	1.958	2.893	7.9	20.2
3 12	12 19.50	+12 0.7	1.910	2.881	5.2	20.0
3 22	12 10.98	+13 8.2	1.890	2.867	4.8	20.0
4 1	12 2.25	+14 2.7	1.898	2.853	7.2	20.1
4 11	11 54.26	+14 39.1	1.933	2.839	10.5	20.3
4 21	11 47.81	+14 54.9	1.992	2.824	13.6	20.4
5 1	11 43.43	+14 50.0	2.070	2.809	16.3	20.6

498157 2007 TK_{123} 3 23.2 111°.57 1°.5/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.74	+ 1 49.2	2.387	3.247	10.1	21.8
3 2	12 25.26	+ 2 30.7	2.329	3.261	7.0	21.6
3 12	12 18.43	+ 3 17.4	2.297	3.274	3.7	21.4
3 22	12 10.86	+ 4 4.8	2.294	3.288	1.5	21.3
4 1	12 3.28	+ 4 47.9	2.321	3.301	4.0	21.5
4 11	11 56.42	+ 5 22.5	2.376	3.313	7.2	21.7
4 21	11 50.87	+ 5 45.8	2.458	3.326	10.2	21.9
5 1	11 47.01	+ 5 56.2	2.561	3.338	12.6	22.1

277474 2005 WE_3 3 23.2 165°.74 0°.6/22.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.15	− 2 26.9	2.329	3.178	10.7	21.8
3 2	12 25.65	− 1 29.4	2.257	3.183	7.5	21.6
3 12	12 18.69	− 0 22.1	2.212	3.188	4.0	21.4
3 22	12 10.89	+ 0 50.0	2.197	3.193	0.6	21.1
4 1	12 3.01	+ 2 1.0	2.212	3.196	3.7	21.4
4 11	11 55.82	+ 3 5.0	2.256	3.199	7.2	21.6
4 21	11 49.96	+ 3 57.6	2.326	3.202	10.4	21.8
5 1	11 45.86	+ 4 35.9	2.420	3.203	13.1	22.0

291148 2005 YN_{256} 3 23.2 142°.37 3°.7/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.53	−13 10.2	1.623	2.446	15.8	21.8
3 2	12 28.62	−12 53.2	1.552	2.454	12.1	21.5
3 12	12 20.51	−12 13.4	1.505	2.461	8.0	21.3
3 22	12 11.09	−11 13.7	1.482	2.468	4.3	21.1
4 1	12 1.52	−10 0.2	1.488	2.475	4.6	21.1
4 11	11 53.02	− 8 41.9	1.520	2.481	8.4	21.4
4 21	11 46.49	− 7 27.8	1.577	2.486	12.4	21.6
5 1	11 42.53	− 6 24.9	1.656	2.491	16.0	21.8

310518 2000 YF_{13} 3 23.2 139°.21 0°.4/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.28	− 4 47.9	1.955	2.798	12.7	21.7
3 2	12 28.74	− 4 13.5	1.891	2.812	9.1	21.5
3 12	12 20.40	− 3 26.8	1.852	2.825	5.0	21.3
3 22	12 11.07	− 2 32.3	1.842	2.838	0.8	21.0
4 1	12 1.71	− 1 36.0	1.861	2.850	3.7	21.3
4 11	11 53.30	− 0 44.3	1.909	2.861	7.7	21.5
4 21	11 46.56	− 0 2.1	1.983	2.871	11.3	21.8
5 1	11 41.99	+ 0 27.2	2.080	2.880	14.4	22.0

496645 2016 AG_{97} 3 23.2 4°.52 1°.3/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.76	+ 0 6.5	1.163	2.048	16.4	20.5
3 2	12 27.19	+ 0 31.0	1.104	2.047	11.6	20.2
3 12	12 19.93	+ 1 7.6	1.067	2.047	6.2	19.9
3 22	12 11.04	+ 1 49.3	1.053	2.048	1.4	19.6
4 1	12 1.97	+ 2 27.4	1.063	2.051	5.9	19.9
4 11	11 54.24	+ 2 53.8	1.097	2.054	11.4	20.2
4 21	11 48.92	+ 3 3.3	1.152	2.059	16.2	20.5
5 1	11 46.65	+ 2 53.6	1.225	2.064	20.2	20.7

196422 2003 HF_{11} 3 23.2 92°.76 1°.1/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.33	− 7 46.4	1.425	2.278	16.0	21.1
3 2	12 27.81	− 6 53.4	1.369	2.294	11.6	20.9
3 12	12 20.05	− 5 40.0	1.337	2.309	6.6	20.6
3 22	12 11.04	− 4 12.9	1.330	2.325	1.6	20.4
4 1	12 2.03	− 2 41.8	1.350	2.340	4.3	20.6
4 11	11 54.27	− 1 17.2	1.396	2.355	9.2	20.9
4 21	11 48.63	− 0 7.1	1.467	2.370	13.6	21.2
5 1	11 45.63	+ 0 43.7	1.557	2.384	17.2	21.5

18219 6260 $P–L$ 3 23.2 15°.93 1°.5/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.81	− 5 46.4	2.199	3.036	11.7	16.9
3 2	12 27.67	− 6 1.3	2.122	3.037	8.6	16.7
3 12	12 19.85	− 6 6.2	2.070	3.038	5.1	16.5
3 22	12 11.03	− 6 3.0	2.046	3.039	1.8	16.3
4 1	12 2.05	− 5 54.6	2.052	3.041	3.3	16.4
4 11	11 53.81	− 5 44.8	2.087	3.042	6.8	16.6
4 21	11 47.01	− 5 37.5	2.148	3.044	10.2	16.8
5 1	11 42.18	− 5 35.7	2.232	3.046	13.1	17.0

199058 2005 XC_5 3 23.2 182°.39 2°.8/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.38	+ 2 41.0	1.630	2.500	13.3	20.4
3 2	12 28.48	+ 3 53.7	1.564	2.501	9.4	20.2
3 12	12 20.43	+ 5 15.3	1.523	2.502	5.1	19.9
3 22	12 11.09	+ 6 37.4	1.510	2.502	2.9	19.8
4 1	12 1.62	+ 7 50.9	1.525	2.501	6.3	20.0
4 11	11 53.16	+ 8 48.0	1.566	2.499	10.6	20.2
4 21	11 46.63	+ 9 24.5	1.631	2.497	14.5	20.5
5 1	11 42.59	+ 9 39.1	1.715	2.495	17.8	20.7

179698 2002 RX_{27} 3 23.2 265°.39 3°.6/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.87	+ 4 53.7	1.663	2.539	12.8	20.4
3 2	12 26.78	+ 6 5.6	1.588	2.527	9.0	20.1
3 12	12 19.56	+ 7 24.7	1.538	2.515	5.2	19.9
3 22	12 11.02	+ 8 42.9	1.515	2.503	3.7	19.7
4 1	12 2.20	+ 9 51.1	1.519	2.490	6.9	19.9
4 11	11 54.26	+10 41.8	1.549	2.478	11.1	20.1
4 21	11 48.12	+11 10.9	1.603	2.465	14.9	20.3
5 1	11 44.40	+11 17.2	1.675	2.452	18.2	20.5

73696 1991 RQ_{19} 3 23.2 221°.41 1°.5/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.98	− 7 45.5	2.112	2.943	12.3	20.3
3 2	12 27.96	− 7 22.9	2.021	2.933	9.1	20.1
3 12	12 20.10	− 6 45.9	1.954	2.921	5.5	19.8
3 22	12 11.07	− 5 57.5	1.916	2.909	1.9	19.6
4 1	12 1.76	− 5 2.4	1.907	2.896	3.5	19.6
4 11	11 53.14	− 4 6.9	1.928	2.883	7.4	19.9
4 21	11 46.00	− 3 16.8	1.975	2.869	11.1	20.1
5 1	11 40.92	− 2 36.7	2.044	2.853	14.3	20.2

147451 2004 BH_3 3 23.2 296°.91 2°.1/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.38	+ 1 5.6	1.523	2.398	13.8	19.8
3 2	12 26.65	+ 1 58.1	1.441	2.380	9.8	19.5
3 12	12 19.60	+ 3 2.2	1.382	2.362	5.3	19.2
3 22	12 11.03	+ 4 11.0	1.350	2.344	2.1	18.9
4 1	12 2.07	+ 5 15.5	1.344	2.326	6.0	19.1
4 11	11 53.99	+ 6 7.2	1.364	2.309	10.8	19.4
4 21	11 47.81	+ 6 40.5	1.407	2.292	15.2	19.6
5 1	11 44.25	+ 6 52.4	1.468	2.275	19.0	19.8

457397 2008 TU_{76} 3 23.2 123°.45 0°.1/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.97	− 4 1.2	1.746	2.595	13.7	22.8
3 2	12 29.32	− 3 10.6	1.690	2.615	9.7	22.6
3 12	12 20.74	− 2 6.8	1.659	2.635	5.2	22.3
3 22	12 11.13	− 0 56.0	1.657	2.653	0.5	22.0
4 1	12 1.55	+ 0 14.3	1.683	2.670	4.2	22.3
4 11	11 53.08	+ 1 16.6	1.737	2.687	8.5	22.6
4 21	11 46.50	+ 2 5.6	1.817	2.703	12.3	22.9
5 1	11 42.26	+ 2 38.2	1.918	2.717	15.5	23.1

391361 2006 VZ_{10} 3 23.2 169°.05 3°.0/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.58	+ 7 56.7	2.588	3.454	9.2	21.9
3 2	12 25.14	+ 8 38.8	2.522	3.456	6.5	21.7
3 12	12 18.38	+ 9 21.6	2.484	3.458	3.9	21.5
3 22	12 10.88	+10 0.6	2.475	3.459	3.1	21.5
4 1	12 3.32	+10 31.5	2.496	3.460	5.1	21.6
4 11	11 56.40	+10 50.8	2.545	3.462	7.8	21.8
4 21	11 50.68	+10 56.9	2.619	3.462	10.4	22.0
5 1	11 46.56	+10 49.3	2.715	3.463	12.6	22.1

359994 2012 VG_{98} 3 23.2 193°.16 1°.2/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.47	+ 0 48.9	2.481	3.339	9.8	21.4
3 2	12 24.44	+ 1 34.6	2.406	3.338	6.9	21.2
3 12	12 18.05	+ 2 26.8	2.359	3.336	3.6	21.0
3 22	12 10.85	+ 3 21.1	2.340	3.335	1.2	20.8
4 1	12 3.55	+ 4 12.5	2.351	3.332	3.9	21.0
4 11	11 56.87	+ 4 56.3	2.391	3.330	7.1	21.2
4 21	11 51.38	+ 5 29.1	2.457	3.328	10.1	21.4
5 1	11 47.51	+ 5 48.8	2.546	3.325	12.6	21.6

172476 2003 SR_{79} 3 23.2 182°.75 2°.4/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.97	− 9 20.4	1.847	2.677	13.9	20.5
3 2	12 28.78	− 9 10.8	1.768	2.678	10.4	20.2
3 12	12 20.58	− 8 44.6	1.714	2.678	6.4	20.0
3 22	12 11.13	− 8 4.5	1.687	2.678	2.8	19.8
4 1	12 1.47	− 7 15.4	1.688	2.677	3.9	19.8
4 11	11 52.70	− 6 24.1	1.718	2.676	7.9	20.1
4 21	11 45.67	− 5 36.8	1.773	2.674	11.7	20.3
5 1	11 40.97	− 4 59.1	1.850	2.672	15.1	20.5

126159 2001 YD_{157} 3 23.2 104°.56 10°.3/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.52	−29 44.8	1.999	2.708	17.0	19.3
3 2	12 30.88	−31 2.8	1.920	2.713	15.0	19.1
3 12	12 21.86	−31 54.7	1.860	2.717	12.8	19.0
3 22	12 11.28	−32 16.2	1.823	2.722	11.1	18.9
4 1	12 0.27	−32 6.6	1.810	2.726	10.3	18.8
4 11	11 50.11	−31 29.6	1.822	2.730	10.9	18.9
4 21	11 41.86	−30 32.8	1.858	2.735	12.5	19.0
5 1	11 36.24	−29 25.3	1.916	2.739	14.6	19.1

119495 2001 UW_{80} 3 23.2 88°.52 0°.3/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.99	− 4 43.6	1.757	2.611	13.4	20.4
3 2	12 26.58	− 4 4.3	1.697	2.623	9.6	20.2
3 12	12 19.31	− 3 11.4	1.661	2.636	5.3	19.9
3 22	12 10.99	− 2 10.3	1.652	2.648	0.8	19.6
4 1	12 2.65	− 1 7.7	1.671	2.660	3.9	19.9
4 11	11 55.28	− 0 10.8	1.718	2.672	8.2	20.2
4 21	11 49.64	+ 0 34.7	1.790	2.684	12.0	20.4
5 1	11 46.23	+ 1 5.5	1.883	2.696	15.2	20.7

472708 2015 FN_{42} 3 23.2 317°.16 3°.1/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.63	+ 7 16.3	2.076	2.945	10.9	20.6
3 2	12 26.90	+ 7 44.5	2.005	2.940	7.7	20.4
3 12	12 19.46	+ 8 14.1	1.960	2.935	4.5	20.2
3 22	12 11.02	+ 8 39.9	1.943	2.930	3.2	20.1
4 1	12 2.45	+ 8 57.0	1.954	2.925	5.6	20.2
4 11	11 54.67	+ 9 1.6	1.993	2.921	9.0	20.4
4 21	11 48.40	+ 8 52.0	2.057	2.916	12.2	20.6
5 1	11 44.14	+ 8 27.9	2.141	2.912	14.9	20.8

62300 2000 SY_{116} 3 23.2 175°.21 4°.2/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.70	+12 6.6	2.395	3.263	9.7	18.5
3 2	12 26.72	+12 42.3	2.332	3.263	7.1	18.3
3 12	12 19.27	+13 15.5	2.296	3.264	4.8	18.2
3 22	12 11.00	+13 41.1	2.289	3.264	4.3	18.2
4 1	12 2.68	+13 55.0	2.311	3.264	6.3	18.3
4 11	11 55.10	+13 54.4	2.360	3.264	8.9	18.4
4 21	11 48.88	+13 38.5	2.434	3.264	11.5	18.6
5 1	11 44.46	+13 8.0	2.529	3.264	13.8	18.8

238734 2005 GN_{116} 3 23.2 238°.02 2°.4/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.63	−11 52.9	2.265	3.085	12.0	20.5
3 2	12 24.04	−11 19.2	2.179	3.080	9.1	20.3
3 12	12 17.91	−10 28.5	2.117	3.076	5.8	20.1
3 22	12 10.86	− 9 23.7	2.082	3.070	2.9	19.9
4 1	12 3.64	− 8 9.9	2.077	3.065	3.3	19.9
4 11	11 57.06	− 6 53.4	2.100	3.060	6.5	20.1
4 21	11 51.78	− 5 40.7	2.150	3.055	9.8	20.3
5 1	11 48.29	− 4 37.2	2.224	3.049	12.8	20.5

374980 2007 EJ_{23} 3 23.2 260°.54 2°.4/21.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.42	+ 4 28.4	1.954	2.819	11.7	20.8
3 2	12 28.35	+ 4 57.2	1.872	2.806	8.3	20.6
3 12	12 20.35	+ 5 30.4	1.816	2.793	4.6	20.3
3 22	12 11.14	+ 6 2.8	1.788	2.780	2.4	20.2
4 1	12 1.67	+ 6 28.8	1.789	2.766	5.3	20.3
4 11	11 52.99	+ 6 43.6	1.817	2.753	9.2	20.5
4 21	11 45.91	+ 6 44.5	1.870	2.739	12.8	20.7
5 1	11 41.04	+ 6 30.2	1.944	2.724	15.9	20.9

421220 2013 SP_{31} 3 23.2 221°.17 1°.7/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.67	+ 1 17.6	2.038	2.900	11.4	21.4
3 2	12 26.29	+ 2 9.8	1.960	2.894	8.0	21.1
3 12	12 19.18	+ 3 10.2	1.909	2.887	4.3	20.9
3 22	12 11.01	+ 4 13.0	1.886	2.880	1.7	20.7
4 1	12 2.67	+ 5 11.6	1.893	2.873	4.8	20.9
4 11	11 55.06	+ 6 0.2	1.927	2.865	8.6	21.1
4 21	11 48.94	+ 6 34.5	1.986	2.857	12.1	21.3
5 1	11 44.83	+ 6 52.3	2.066	2.849	15.0	21.5

373614 2002 ES_{73} 3 23.2 355°.38 0°.8/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 38.30	− 1 19.2	1.438	2.300	15.3	19.5
3 2	12 31.61	− 2 0.9	1.366	2.296	11.1	19.3
3 12	12 22.31	− 2 35.1	1.318	2.293	6.2	19.0
3 22	12 11.37	− 3 3.3	1.295	2.291	1.2	18.6
4 1	12 0.13	− 3 28.4	1.299	2.289	4.6	18.9
4 11	11 50.05	− 3 53.8	1.330	2.289	9.6	19.1
4 21	11 42.23	− 4 22.7	1.385	2.289	14.2	19.4
5 1	11 37.37	− 4 57.8	1.459	2.290	17.9	19.7

66906 1999 VG_{162} 3 23.2 172°.51 1°.2/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.48	− 6 54.0	2.241	3.077	11.5	20.2
3 2	12 26.01	− 6 30.0	2.164	3.079	8.4	20.0
3 12	12 18.96	− 5 53.5	2.112	3.081	4.9	19.8
3 22	12 10.99	− 5 7.8	2.088	3.082	1.5	19.5
4 1	12 2.90	− 4 17.5	2.094	3.083	3.2	19.7
4 11	11 55.50	− 3 28.2	2.128	3.084	6.8	19.9
4 21	11 49.48	− 2 44.8	2.190	3.084	10.1	20.1
5 1	11 45.31	− 2 11.1	2.274	3.084	13.0	20.3

389539 2010 KN_{38} 3 23.2 183°.96 4°.6/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.22	+13 13.0	2.549	3.419	9.1	21.3
3 2	12 24.95	+14 15.0	2.489	3.419	6.7	21.2
3 12	12 18.32	+15 14.5	2.456	3.419	4.9	21.0
3 22	12 10.93	+16 6.0	2.452	3.418	4.8	21.0
4 1	12 3.47	+16 44.4	2.477	3.418	6.6	21.1
4 11	11 56.67	+17 6.8	2.529	3.417	9.1	21.3
4 21	11 51.09	+17 11.8	2.605	3.415	11.4	21.4
5 1	11 47.15	+17 0.0	2.701	3.414	13.5	21.6

482155 2010 TY_{38} 3 23.2 297°.27 11°.9/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 52.78	+23 26.6	1.079	1.945	19.0	20.1
3 2	12 42.60	+23 52.1	1.024	1.941	15.4	19.8
3 12	12 28.46	+23 54.2	0.990	1.937	12.6	19.7
3 22	12 12.03	+23 20.0	0.979	1.933	12.1	19.6
4 1	11 55.67	+22 3.4	0.992	1.929	14.5	19.7
4 11	11 41.66	+20 7.8	1.028	1.925	18.3	19.9
4 21	11 31.45	+17 43.5	1.084	1.921	22.2	20.2
5 1	11 25.59	+15 1.3	1.156	1.918	25.6	20.4

129451 1991 KD 3 23.2 333°.62 19°.6/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 26.58	+38 28.2	1.043	1.907	19.6	17.6
3 2	12 24.52	+41 48.4	1.010	1.879	19.9	17.5
3 12	12 18.95	+44 31.7	0.996	1.853	21.3	17.5
3 22	12 11.03	+46 19.9	0.997	1.829	23.5	17.5
4 1	12 2.67	+47 2.1	1.012	1.806	26.0	17.6
4 11	11 55.97	+46 38.1	1.038	1.785	28.4	17.7
4 21	11 52.38	+45 14.7	1.072	1.766	30.6	17.8
5 1	11 52.61	+43 1.8	1.111	1.749	32.5	17.9

426809 2013 TP_{138} 3 23.2 196°.36 3°.5/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.20	+ 7 24.0	2.051	2.922	11.0	20.6
3 2	12 26.61	+ 8 19.6	1.985	2.921	7.8	20.4
3 12	12 19.32	+ 9 17.4	1.945	2.919	4.7	20.2
3 22	12 11.05	+10 11.0	1.933	2.917	3.7	20.1
4 1	12 2.66	+10 54.3	1.950	2.915	6.2	20.3
4 11	11 55.08	+11 22.6	1.994	2.913	9.5	20.4
4 21	11 49.01	+11 33.6	2.062	2.910	12.6	20.6
5 1	11 44.95	+11 27.0	2.150	2.908	15.3	20.8

211456 2003 BD_{53} 3 23.2 97°.41 2°.3/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.50	− 9 35.1	2.330	3.151	11.6	20.1
3 2	12 26.65	− 9 39.3	2.258	3.162	8.7	20.0
3 12	12 19.28	− 9 30.7	2.212	3.173	5.5	19.8
3 22	12 11.05	− 9 11.4	2.194	3.183	2.7	19.6
4 1	12 2.73	− 8 44.5	2.206	3.193	3.3	19.7
4 11	11 55.13	− 8 14.6	2.246	3.203	6.3	19.9
4 21	11 48.90	− 7 46.0	2.313	3.213	9.4	20.1
5 1	11 44.50	− 7 22.7	2.404	3.223	12.1	20.3

27655 1968 OK 3 23.2 192°.48 6°.8/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.08	−26 1.2	2.512	3.235	13.6	19.0
3 2	12 27.95	−26 19.1	2.417	3.233	11.6	18.9
3 12	12 20.09	−26 14.9	2.345	3.230	9.4	18.7
3 22	12 11.14	−25 47.7	2.297	3.227	7.6	18.6
4 1	12 1.95	−24 58.9	2.277	3.222	6.8	18.5
4 11	11 53.40	−23 53.1	2.285	3.217	7.8	18.6
4 21	11 46.25	−22 36.9	2.319	3.212	9.7	18.7
5 1	11 41.05	−21 17.4	2.379	3.205	12.0	18.8

454403 2014 NW_{35} 3 23.2 238°.72 6°.2/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.28	+12 26.5	1.519	2.397	13.7	20.4
3 2	12 30.74	+13 24.7	1.456	2.391	10.1	20.2
3 12	12 21.77	+14 20.2	1.418	2.386	7.0	20.0
3 22	12 11.33	+15 3.8	1.405	2.380	6.5	19.9
4 1	12 0.72	+15 27.4	1.419	2.373	9.3	20.1
4 11	11 51.29	+15 26.8	1.458	2.367	13.0	20.3
4 21	11 44.04	+15 1.5	1.518	2.361	16.6	20.5
5 1	11 39.59	+14 13.9	1.596	2.354	19.7	20.7

29154 1988 VC_{1} 3 23.2 91°.30 6°.6/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.84	−21 39.0	1.870	2.644	15.9	18.6
3 2	12 27.29	−21 50.1	1.801	2.658	13.0	18.5
3 12	12 19.77	−21 35.7	1.752	2.672	10.0	18.3
3 22	12 11.10	−20 55.9	1.728	2.685	7.4	18.2
4 1	12 2.32	−19 54.5	1.731	2.698	6.6	18.1
4 11	11 54.50	−18 38.5	1.760	2.712	8.3	18.3
4 21	11 48.46	−17 16.7	1.815	2.724	11.0	18.5
5 1	11 44.73	−15 57.5	1.893	2.737	13.9	18.7

327245 2005 SC_{45} 3 23.2 268°.79 3°.2/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.34	−14 5.0	1.807	2.628	14.5	21.5
3 2	12 24.94	−13 21.3	1.717	2.618	11.2	21.3
3 12	12 18.58	−12 13.2	1.651	2.608	7.4	21.0
3 22	12 10.98	−10 44.2	1.610	2.597	3.9	20.8
4 1	12 3.12	− 9 0.7	1.598	2.587	4.1	20.8
4 11	11 56.03	− 7 12.4	1.613	2.576	7.8	20.9
4 21	11 50.57	− 5 29.1	1.655	2.565	11.8	21.2
5 1	11 47.34	− 3 58.7	1.718	2.555	15.4	21.4

176536 2002 AA_{15} 3 23.2 151°.77 3°.9/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.97	+13 11.7	2.940	3.802	8.3	20.7
3 2	12 25.98	+13 53.6	2.884	3.810	6.1	20.6
3 12	12 18.81	+14 32.7	2.856	3.818	4.3	20.5
3 22	12 11.01	+15 4.6	2.857	3.826	4.1	20.5
4 1	12 3.21	+15 25.7	2.889	3.833	5.6	20.6
4 11	11 56.04	+15 33.8	2.949	3.840	7.8	20.7
4 21	11 49.99	+15 28.2	3.034	3.846	10.0	20.9
5 1	11 45.43	+15 9.2	3.141	3.852	11.8	21.0

386133 2007 TF_{41} 3 23.2 172°.50 2°.2/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.96	−11 31.0	2.459	3.276	11.3	21.9
3 2	12 24.15	−10 56.9	2.377	3.278	8.5	21.7
3 12	12 17.95	−10 7.6	2.320	3.279	5.4	21.5
3 22	12 10.93	− 9 6.0	2.292	3.280	2.6	21.4
4 1	12 3.80	− 7 56.7	2.293	3.281	3.1	21.4
4 11	11 57.28	− 6 45.5	2.323	3.282	6.1	21.6
4 21	11 51.98	− 5 38.1	2.381	3.282	9.1	21.8
5 1	11 48.34	− 4 39.1	2.463	3.282	11.8	22.0

461684 2005 MY_{13} 3 23.2 294°.26 3°.7/26.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.98	−13 27.8	1.574	2.405	15.8	21.4
3 2	12 25.76	−13 3.4	1.478	2.383	12.3	21.1
3 12	12 19.22	−12 13.2	1.403	2.362	8.2	20.8
3 22	12 11.09	−10 59.2	1.353	2.340	4.4	20.5
4 1	12 2.47	− 9 27.3	1.329	2.318	4.7	20.4
4 11	11 54.62	− 7 47.5	1.332	2.297	8.9	20.6
4 21	11 48.61	− 6 10.6	1.359	2.275	13.5	20.8
5 1	11 45.20	− 4 46.1	1.407	2.254	17.6	21.0

190103 2004 TP_{285} 3 23.2 259°.78 6°.6/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.75	−21 20.5	2.058	2.828	14.8	20.4
3 2	12 27.35	−21 44.8	1.961	2.815	12.3	20.1
3 12	12 19.93	−21 46.7	1.885	2.801	9.6	19.9
3 22	12 11.17	−21 25.1	1.834	2.788	7.3	19.8
4 1	12 2.02	−20 41.4	1.810	2.774	6.7	19.7
4 11	11 53.52	−19 41.1	1.812	2.760	8.3	19.8
4 21	11 46.59	−18 31.3	1.840	2.746	11.1	19.9
5 1	11 41.89	−17 20.3	1.892	2.732	14.1	20.1

467691 2008 VA_{33} 3 23.2 216°.07 4°.4/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.20	+11 8.2	2.281	3.151	10.1	21.8
3 2	12 26.52	+12 6.4	2.213	3.145	7.3	21.6
3 12	12 19.27	+13 3.7	2.171	3.139	4.9	21.5
3 22	12 11.08	+13 54.1	2.158	3.133	4.6	21.4
4 1	12 2.78	+14 32.0	2.174	3.126	6.7	21.6
4 11	11 55.19	+14 53.5	2.217	3.118	9.6	21.7
4 21	11 48.99	+14 57.1	2.284	3.111	12.3	21.9
5 1	11 44.65	+14 43.2	2.372	3.103	14.7	22.1

397124 2005 WR_{30} 3 23.2 228°.15 2°.5/21.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.62	+ 2 59.5	1.744	2.608	12.9	22.0
3 2	12 30.16	+ 3 50.1	1.662	2.596	9.2	21.8
3 12	12 21.47	+ 4 48.6	1.605	2.583	5.0	21.5
3 22	12 11.34	+ 5 48.5	1.577	2.569	2.5	21.3
4 1	12 0.88	+ 6 41.9	1.577	2.554	5.9	21.5
4 11	11 51.30	+ 7 22.1	1.604	2.539	10.3	21.7
4 21	11 43.55	+ 7 45.0	1.655	2.522	14.3	21.9
5 1	11 38.31	+ 7 48.7	1.726	2.505	17.7	22.1

424146 2007 GC_{16} 3 23.2 291°.56 2°.9/20.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.01	+ 2 12.4	1.777	2.651	12.2	20.5
3 2	12 24.77	+ 3 41.3	1.688	2.628	8.6	20.2
3 12	12 18.55	+ 5 22.5	1.624	2.603	4.7	19.9
3 22	12 11.02	+ 7 7.6	1.588	2.579	3.0	19.8
4 1	12 3.13	+ 8 47.0	1.581	2.555	6.4	19.9
4 11	11 55.92	+10 11.4	1.600	2.530	10.6	20.1
4 21	11 50.29	+11 14.7	1.642	2.506	14.5	20.3
5 1	11 46.89	+11 53.7	1.704	2.482	17.9	20.5

309813 2009 BL_{96} 3 23.2 103°.79 1°.3/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.55	+ 0 4.6	1.582	2.445	14.1	20.9
3 2	12 29.91	+ 0 43.1	1.530	2.463	9.9	20.7
3 12	12 21.16	+ 1 30.9	1.502	2.480	5.2	20.5
3 22	12 11.28	+ 2 21.6	1.502	2.497	1.3	20.3
4 1	12 1.46	+ 3 7.8	1.530	2.514	5.0	20.5
4 11	11 52.85	+ 3 43.4	1.584	2.530	9.5	20.8
4 21	11 46.29	+ 4 4.3	1.662	2.546	13.4	21.1
5 1	11 42.27	+ 4 8.9	1.761	2.561	16.6	21.4

82433 2001 OV_{1} 3 23.2 190°.71 0°.2/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.78	− 3 13.9	2.613	3.454	9.9	19.8
3 2	12 26.06	− 2 56.1	2.532	3.453	7.1	19.6
3 12	12 18.97	− 2 30.3	2.478	3.451	3.9	19.4
3 22	12 11.06	− 1 59.4	2.453	3.449	0.6	19.1
4 1	12 3.03	− 1 27.0	2.459	3.447	3.0	19.3
4 11	11 55.59	− 0 57.3	2.494	3.444	6.2	19.6
4 21	11 49.33	− 0 33.6	2.556	3.441	9.2	19.7
5 1	11 44.70	− 0 18.5	2.642	3.437	11.8	19.9

339406 2005 CA_{35} 3 23.2 270°.89 1°.7/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.68	+ 1 45.4	2.004	2.870	11.4	21.0
3 2	12 25.59	+ 2 30.5	1.934	2.869	8.0	20.8
3 12	12 18.82	+ 3 22.7	1.889	2.867	4.3	20.5
3 22	12 11.05	+ 4 16.4	1.872	2.866	1.8	20.4
4 1	12 3.14	+ 5 5.6	1.883	2.864	4.7	20.6
4 11	11 56.02	+ 5 44.8	1.922	2.862	8.5	20.8
4 21	11 50.38	+ 6 10.2	1.986	2.861	11.9	21.0
5 1	11 46.72	+ 6 19.9	2.071	2.859	14.8	21.2

240287 2003 EQ_{25} 3 23.2 37°.59 3°.6/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 35.65	+ 4 35.8	0.993	1.887	17.7	19.7
3 2	12 29.98	+ 5 10.6	0.957	1.904	12.4	19.4
3 12	12 21.41	+ 5 51.0	0.941	1.922	6.8	19.2
3 22	12 11.32	+ 6 27.4	0.948	1.941	3.7	19.1
4 1	12 1.43	+ 6 50.6	0.979	1.961	7.7	19.4
4 11	11 53.37	+ 6 54.6	1.032	1.981	12.9	19.7
4 21	11 48.14	+ 6 37.6	1.105	2.003	17.5	20.0
5 1	11 46.18	+ 6 0.8	1.195	2.025	21.2	20.4

125837 2001 XZ_{180} 3 23.2 89°.25 0°.8/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.60	− 2 17.5	1.471	2.334	15.0	20.6
3 2	12 29.29	− 1 24.8	1.424	2.357	10.5	20.4
3 12	12 20.84	− 0 19.5	1.402	2.379	5.6	20.2
3 22	12 11.25	+ 0 51.1	1.406	2.402	0.8	19.9
4 1	12 1.79	+ 1 58.2	1.437	2.424	4.9	20.2
4 11	11 53.63	+ 2 54.0	1.495	2.445	9.6	20.5
4 21	11 47.61	+ 3 33.3	1.577	2.466	13.6	20.8
5 1	11 44.17	+ 3 53.9	1.679	2.487	17.0	21.1

498675 2008 SF_{187} 3 23.2 307°.87 0°.8/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.57	+ 0 56.2	1.865	2.724	12.5	21.0
3 2	12 29.20	+ 0 58.3	1.789	2.720	8.9	20.7
3 12	12 20.84	+ 1 6.7	1.739	2.716	4.8	20.5
3 22	12 11.28	+ 1 17.6	1.716	2.712	0.9	20.2
4 1	12 1.52	+ 1 26.7	1.722	2.708	4.3	20.4
4 11	11 52.63	+ 1 29.6	1.756	2.705	8.5	20.7
4 21	11 45.48	+ 1 23.5	1.815	2.701	12.3	20.9
5 1	11 40.61	+ 1 6.4	1.896	2.697	15.5	21.1

195791 2002 PU_{172} 3 23.2 264°.62 0°.1/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.97	− 2 49.4	2.033	2.887	11.8	20.9
3 2	12 25.82	− 2 20.3	1.956	2.883	8.4	20.6
3 12	12 18.96	− 1 40.7	1.904	2.880	4.6	20.4
3 22	12 11.07	− 0 54.9	1.880	2.876	0.5	20.1
4 1	12 3.02	− 0 8.2	1.885	2.873	3.7	20.3
4 11	11 55.71	+ 0 33.6	1.918	2.869	7.7	20.6
4 21	11 49.87	+ 1 6.0	1.976	2.866	11.3	20.8
5 1	11 46.01	+ 1 25.9	2.056	2.862	14.3	21.0

467521 2007 GV_{17} 3 23.2 336°.26 5°.7/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 27.52	−19 26.7	1.621	2.426	16.7	20.7
3 2	12 23.86	−19 3.8	1.537	2.418	13.5	20.4
3 12	12 18.09	−18 10.9	1.473	2.411	9.9	20.2
3 22	12 10.99	−16 49.3	1.432	2.405	6.7	20.0
4 1	12 3.62	−15 4.9	1.418	2.399	5.9	19.9
4 11	11 57.13	−13 7.7	1.430	2.394	8.5	20.1
4 21	11 52.44	−11 9.4	1.466	2.389	12.2	20.3
5 1	11 50.17	− 9 20.7	1.525	2.385	15.9	20.5

60132 1999 TN_{259} 3 23.2 271°.69 0°.8/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.77	− 0 42.9	2.443	3.299	10.0	19.5
3 2	12 24.08	− 0 3.5	2.357	3.287	7.1	19.3
3 12	12 17.96	+ 0 43.8	2.298	3.275	3.8	19.0
3 22	12 10.98	+ 1 35.0	2.267	3.263	0.8	18.8
4 1	12 3.82	+ 2 25.2	2.267	3.251	3.6	19.0
4 11	11 57.22	+ 3 9.5	2.294	3.239	7.0	19.2
4 21	11 51.80	+ 3 43.9	2.348	3.227	10.2	19.4
5 1	11 48.02	+ 4 6.0	2.424	3.214	12.9	19.5

159428 1999 UH_{4} 3 23.2 138°.50 0°.9/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.41	− 7 30.5	2.393	3.225	11.0	20.4
3 2	12 25.14	− 6 43.4	2.323	3.237	8.0	20.2
3 12	12 18.48	− 5 43.5	2.279	3.248	4.6	20.0
3 22	12 11.04	− 4 34.9	2.264	3.258	1.3	19.8
4 1	12 3.55	− 3 22.9	2.279	3.268	2.9	20.0
4 11	11 56.76	− 2 13.6	2.324	3.278	6.4	20.2
4 21	11 51.24	− 1 11.9	2.396	3.287	9.5	20.4
5 1	11 47.42	− 0 21.7	2.492	3.295	12.2	20.6

457320 2008 ST_{100} 3 23.2 274°.04 2°.8/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.45	+ 2 22.3	1.407	2.284	14.7	21.4
3 2	12 29.11	+ 3 20.0	1.325	2.264	10.4	21.0
3 12	12 21.13	+ 4 29.2	1.265	2.244	5.7	20.7
3 22	12 11.36	+ 5 42.0	1.231	2.224	2.9	20.5
4 1	12 1.09	+ 6 48.3	1.224	2.204	6.9	20.7
4 11	11 51.76	+ 7 38.8	1.241	2.183	12.0	20.9
4 21	11 44.57	+ 8 7.6	1.281	2.162	16.7	21.1
5 1	11 40.30	+ 8 12.4	1.338	2.141	20.8	21.3

229146 2004 SV_{1} 3 23.2 83°.06 6°.7/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.97	−22 3.5	1.932	2.701	15.6	20.4
3 2	12 27.36	−22 20.4	1.864	2.717	12.9	20.3
3 12	12 19.84	−22 12.5	1.817	2.732	10.0	20.1
3 22	12 11.20	−21 39.8	1.794	2.747	7.5	20.0
4 1	12 2.46	−20 45.5	1.798	2.763	6.7	20.0
4 11	11 54.65	−19 36.3	1.829	2.778	8.2	20.1
4 21	11 48.58	−18 20.4	1.885	2.793	10.8	20.3
5 1	11 44.76	−17 5.9	1.964	2.807	13.5	20.5

147425 2003 GF_{37} 3 23.2 340°.96 7°.8/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.64	+13 16.2	1.439	2.333	13.2	18.8
3 2	12 24.01	+15 28.7	1.385	2.326	10.0	18.6
3 12	12 18.19	+17 40.2	1.356	2.319	7.9	18.4
3 22	12 11.02	+19 37.3	1.352	2.313	8.6	18.5
4 1	12 3.68	+21 8.2	1.373	2.307	11.5	18.6
4 11	11 57.36	+22 5.6	1.417	2.302	15.0	18.8
4 21	11 52.98	+22 28.1	1.480	2.298	18.2	19.0
5 1	11 51.12	+22 18.0	1.558	2.294	21.0	19.2

49674 1999 SB_{5} 3 23.2 187°.98 17°.1/ 8.6 18 R

2 21	12 48.63	+37 53.0	1.335	2.160	18.5	17.9
3 2	12 39.35	+39 43.8	1.308	2.161	17.3	17.8
3 12	12 26.56	+40 59.6	1.301	2.160	17.1	17.8
3 22	12 11.93	+41 27.5	1.314	2.159	18.0	17.8
4 1	11 57.59	+41 1.8	1.346	2.157	19.7	17.9
4 11	11 45.54	+39 46.0	1.395	2.155	21.7	18.0
4 21	11 36.97	+37 49.7	1.458	2.152	23.7	18.2
5 1	11 32.30	+35 23.9	1.534	2.148	25.4	18.4

456800 2007 TY_{247} 3 23.2 287°.34 2°.6/25.2 17

2 21	12 33.03	− 9 7.9	1.465	2.312	15.9	21.6
3 2	12 28.05	− 8 58.7	1.377	2.296	12.0	21.3
3 12	12 20.54	− 8 28.9	1.311	2.279	7.5	21.0
3 22	12 11.31	− 7 41.0	1.270	2.262	3.2	20.7
4 1	12 1.57	− 6 40.9	1.255	2.246	4.6	20.7
4 11	11 52.72	− 5 37.4	1.266	2.229	9.5	21.0
4 21	11 45.90	− 4 39.4	1.300	2.212	14.3	21.2
5 1	11 41.91	− 3 54.3	1.354	2.196	18.5	21.4

512968 2017 TO_{7} 3 23.2 232°.63 2°.7/20.2 17

2 21	12 34.62	+ 6 32.9	2.459	3.319	9.8	21.9
3 2	12 28.24	+ 7 12.2	2.372	3.303	7.0	21.7
3 12	12 20.25	+ 7 54.0	2.312	3.286	4.0	21.5
3 22	12 11.26	+ 8 33.4	2.282	3.269	2.8	21.4
4 1	12 2.05	+ 9 5.7	2.282	3.251	5.1	21.5
4 11	11 53.44	+ 9 26.8	2.311	3.232	8.3	21.6
4 21	11 46.13	+ 9 34.3	2.366	3.213	11.3	21.8
5 1	11 40.63	+ 9 27.4	2.444	3.193	13.9	22.0

410744 2009 CR_{63} 3 23.2 350°.18 2°.9/21.2 18

2 21	12 31.35	+ 2 40.2	1.166	2.056	16.0	20.2
3 2	12 27.01	+ 3 23.3	1.104	2.050	11.3	19.9
3 12	12 19.97	+ 4 16.5	1.064	2.045	6.1	19.6
3 22	12 11.24	+ 5 11.0	1.047	2.041	2.9	19.3
4 1	12 2.26	+ 5 57.0	1.055	2.038	7.0	19.6
4 11	11 54.55	+ 6 26.0	1.086	2.036	12.3	19.9
4 21	11 49.24	+ 6 33.3	1.137	2.035	17.1	20.1
5 1	11 46.98	+ 6 17.8	1.205	2.034	21.0	20.4

422539 2014 TC_{24} 3 23.2 141°.23 0°.3/23.5 18

2 21	12 34.83	− 4 15.3	1.937	2.783	12.7	22.4
3 2	12 28.52	− 3 42.5	1.872	2.794	9.1	22.2
3 12	12 20.41	− 2 57.6	1.831	2.805	5.0	22.0
3 22	12 11.27	− 2 5.4	1.819	2.815	0.7	21.7
4 1	12 2.08	− 1 11.7	1.837	2.825	3.7	21.9
4 11	11 53.81	− 0 22.8	1.882	2.834	7.8	22.2
4 21	11 47.20	+ 0 16.4	1.954	2.842	11.4	22.4
5 1	11 42.76	+ 0 42.7	2.048	2.850	14.5	22.6

429134 2009 TP_{5} 3 23.2 138°.91 0°.5/23.8 18

2 21	12 32.17	− 5 20.8	2.411	3.248	10.8	22.7
3 2	12 26.36	− 4 41.0	2.344	3.262	7.8	22.6
3 12	12 19.13	− 3 50.4	2.304	3.275	4.3	22.4
3 22	12 11.13	− 2 53.1	2.293	3.288	0.8	22.1
4 1	12 3.10	− 1 54.0	2.312	3.301	3.0	22.3
4 11	11 55.79	− 0 58.5	2.361	3.312	6.5	22.6
4 21	11 49.79	− 0 10.9	2.437	3.323	9.6	22.8
5 1	11 45.53	+ 0 25.6	2.537	3.333	12.2	23.0

283541 2001 UA_{41} 3 23.2 159°.40 2°.9/19.7 18

2 21	12 31.23	+ 7 35.5	2.531	3.396	9.4	20.9
3 2	12 25.67	+ 8 18.2	2.467	3.400	6.6	20.7
3 12	12 18.76	+ 9 2.0	2.430	3.404	3.9	20.5
3 22	12 11.10	+ 9 42.1	2.422	3.407	3.0	20.5
4 1	12 3.38	+10 14.1	2.444	3.410	5.1	20.6
4 11	11 56.32	+10 34.4	2.495	3.413	7.9	20.8
4 21	11 50.50	+10 41.4	2.570	3.415	10.5	21.0
5 1	11 46.33	+10 34.5	2.668	3.417	12.8	21.2

8112 Cesi 3 23.2 46°.15 2°.4/20.6 18

2 21	12 29.70	+ 3 26.2	1.964	2.836	11.4	18.0
3 2	12 24.89	+ 4 23.1	1.903	2.841	7.9	17.8
3 12	12 18.44	+ 5 25.7	1.868	2.846	4.3	17.6
3 22	12 11.06	+ 6 27.6	1.860	2.851	2.5	17.5
4 1	12 3.61	+ 7 22.3	1.881	2.857	5.3	17.7
4 11	11 56.98	+ 8 4.3	1.928	2.862	8.9	17.9
4 21	11 51.85	+ 8 30.3	2.000	2.868	12.1	18.1
5 1	11 48.67	+ 8 39.1	2.093	2.874	14.9	18.3

384253 2009 EU_{14} 3 23.2 327°.06 2°.0/21.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.23	+ 1 45.5	1.969	2.840	11.4	20.6
3 2	12 23.94	+ 2 44.1	1.895	2.832	8.0	20.4
3 12	12 17.99	+ 3 50.7	1.846	2.825	4.3	20.2
3 22	12 11.02	+ 4 59.4	1.825	2.818	2.0	20.0
4 1	12 3.89	+ 6 3.1	1.832	2.811	5.0	20.2
4 11	11 57.49	+ 6 55.6	1.866	2.805	8.8	20.4
4 21	11 52.51	+ 7 32.6	1.925	2.799	12.3	20.6
5 1	11 49.49	+ 7 51.8	2.004	2.793	15.2	20.8

377367 2004 RZ_{133} 3 23.2 215°.42 0°.3/23.5 17

2 21	12 33.92	− 3 22.4	2.074	2.920	11.9	21.7
3 2	12 27.93	− 3 7.6	1.993	2.916	8.6	21.5
3 12	12 20.15	− 2 42.8	1.937	2.911	4.8	21.3
3 22	12 11.28	− 2 11.2	1.909	2.905	0.7	20.9
4 1	12 2.20	− 1 37.6	1.911	2.900	3.6	21.2
4 11	11 53.86	− 1 7.0	1.941	2.894	7.6	21.4
4 21	11 47.04	− 0 43.7	1.998	2.887	11.2	21.6
5 1	11 42.27	− 0 30.9	2.076	2.881	14.2	21.8

215071 2009 ET_{3} 3 23.2 337°.53 0°.4/22.9 18

2 21	12 35.62	− 0 6.3	1.216	2.093	16.5	19.6
3 2	12 30.14	− 0 16.1	1.144	2.083	11.9	19.3
3 12	12 21.76	− 0 16.0	1.094	2.073	6.5	19.0
3 22	12 11.48	− 0 10.6	1.068	2.065	0.7	18.5
4 1	12 0.78	− 0 5.5	1.067	2.057	5.4	18.9
4 11	11 51.31	− 0 7.0	1.091	2.050	11.1	19.1
4 21	11 44.32	− 0 19.6	1.136	2.044	16.2	19.4
5 1	11 40.57	− 0 45.8	1.198	2.039	20.5	19.7

247633 2002 VY_{4} 3 23.2 132°.64 6°.5/14.2 17

2 21	12 30.37	+19 33.1	2.450	3.317	9.6	20.6
3 2	12 25.14	+20 57.8	2.407	3.325	7.6	20.5
3 12	12 18.50	+22 15.0	2.392	3.332	6.5	20.4
3 22	12 11.09	+23 18.1	2.404	3.340	7.0	20.4
4 1	12 3.66	+24 2.0	2.444	3.347	8.6	20.6
4 11	11 56.98	+24 24.2	2.509	3.353	10.7	20.7
4 21	11 51.62	+24 24.9	2.596	3.360	12.7	20.9
5 1	11 47.98	+24 5.6	2.701	3.366	14.4	21.0

417478 2006 RV_{38} 3 23.2 160°.87 1°.6/21.4 14 C

2 21	12 33.73	+ 1 20.5	2.267	3.122	10.7	23.1
3 2	12 27.55	+ 2 13.5	2.201	3.131	7.5	22.9
3 12	12 19.84	+ 3 13.2	2.161	3.138	4.0	22.7
3 22	12 11.25	+ 4 14.1	2.151	3.145	1.6	22.6
4 1	12 2.59	+ 5 10.6	2.171	3.151	4.4	22.8
4 11	11 54.71	+ 5 57.4	2.221	3.156	7.8	23.0
4 21	11 48.24	+ 6 31.2	2.296	3.160	10.9	23.2
5 1	11 43.63	+ 6 50.3	2.394	3.163	13.6	23.4

458165 2010 LU_{14} 3 23.2 268°.30 4°.5/19.2 16

2 21	12 32.77	+ 6 2.7	1.486	2.367	13.7	21.5
3 2	12 27.70	+ 7 25.0	1.413	2.355	9.7	21.2
3 12	12 20.27	+ 8 54.6	1.365	2.342	5.8	21.0
3 22	12 11.32	+10 21.6	1.343	2.329	4.7	20.9
4 1	12 2.05	+11 35.6	1.348	2.316	8.1	21.0
4 11	11 53.76	+12 28.0	1.377	2.302	12.4	21.2
4 21	11 47.47	+12 54.7	1.428	2.289	16.5	21.5
5 1	11 43.87	+12 55.3	1.497	2.275	20.0	21.7

502411 2015 BQ_{254} 3 23.2 26°.62 2°.3/25.3 17

2 21	12 31.22	− 9 3.9	1.733	2.574	14.1	20.8
3 2	12 26.24	− 8 52.4	1.662	2.577	10.6	20.5
3 12	12 19.31	− 8 23.7	1.615	2.581	6.5	20.3
3 22	12 11.20	− 7 41.0	1.593	2.585	2.8	20.1
4 1	12 2.94	− 6 49.9	1.599	2.589	3.8	20.1
4 11	11 55.59	− 5 57.4	1.632	2.594	7.9	20.4
4 21	11 49.96	− 5 10.0	1.690	2.598	11.8	20.6
5 1	11 46.61	− 4 33.0	1.769	2.603	15.1	20.9

411301 2010 TP_{97} 3 23.2 173°.35 0°.5/22.7 15

2 21	12 34.28	− 1 56.7	2.070	2.920	11.8	22.5
3 2	12 28.12	− 1 18.7	1.997	2.924	8.4	22.3
3 12	12 20.22	− 0 31.0	1.951	2.926	4.5	22.1
3 22	12 11.31	+ 0 21.8	1.932	2.928	0.6	21.8
4 1	12 2.27	+ 1 14.0	1.944	2.930	3.9	22.0
4 11	11 54.04	+ 1 59.7	1.984	2.931	7.8	22.3
4 21	11 47.36	+ 2 34.6	2.050	2.931	11.3	22.5
5 1	11 42.71	+ 2 56.0	2.139	2.930	14.3	22.7

456931 2007 YP_{16} 3 23.2 79°.07 0°.4/23.6 18

2 21	12 34.30	− 4 32.7	1.512	2.370	14.9	22.2
3 2	12 28.47	− 3 59.4	1.459	2.387	10.7	22.0
3 12	12 20.50	− 3 11.4	1.428	2.403	5.9	21.7
3 22	12 11.35	− 2 14.3	1.424	2.420	0.9	21.4
4 1	12 2.21	− 1 15.9	1.447	2.436	4.3	21.7
4 11	11 54.26	− 0 23.9	1.496	2.453	9.0	22.0
4 21	11 48.35	+ 0 15.8	1.570	2.469	13.1	22.3
5 1	11 44.98	+ 0 39.7	1.664	2.485	16.5	22.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
157508 2005 SK_{73}			3 23.2 135°.30		3°.5/20.7 18	
	h m	° ′			°	m
2 21	12 38.42	+ 5 34.2	1.462	2.335	14.4	20.3
3 2	12 31.52	+ 6 16.0	1.405	2.342	10.2	20.0
3 12	12 22.22	+ 7 1.8	1.372	2.349	5.8	19.8
3 22	12 11.54	+ 7 43.9	1.366	2.356	3.6	19.7
4 1	12 0.82	+ 8 14.8	1.387	2.362	6.9	19.9
4 11	11 51.39	+ 8 28.8	1.433	2.368	11.3	20.2
4 21	11 44.21	+ 8 23.9	1.503	2.374	15.3	20.4
5 1	11 39.84	+ 8 0.3	1.591	2.379	18.6	20.6
502366 2015 BQ_{238}			3 23.2 54°.57		1°.3/22.1 17	
2 21	12 33.07	+ 0 36.9	1.713	2.580	13.0	21.0
3 2	12 27.49	+ 1 7.0	1.651	2.586	9.2	20.8
3 12	12 19.96	+ 1 45.4	1.613	2.592	4.9	20.5
3 22	12 11.30	+ 2 26.5	1.603	2.598	1.3	20.3
4 1	12 2.56	+ 3 4.2	1.620	2.604	4.8	20.5
4 11	11 54.80	+ 3 32.5	1.664	2.611	9.0	20.8
4 21	11 48.84	+ 3 47.9	1.732	2.618	12.8	21.0
5 1	11 45.17	+ 3 48.2	1.820	2.624	16.0	21.3
3124 Kansas			3 23.2 213°.40		1°.1/22.0 18	
2 21	12 30.37	− 0 53.9	2.083	2.942	11.4	18.1
3 2	12 25.39	+ 0 1.3	2.007	2.938	8.0	17.9
3 12	12 18.77	+ 1 6.3	1.957	2.935	4.2	17.6
3 22	12 11.17	+ 2 15.7	1.936	2.931	1.1	17.4
4 1	12 3.41	+ 3 23.0	1.943	2.927	4.2	17.6
4 11	11 56.37	+ 4 21.7	1.979	2.923	8.1	17.8
4 21	11 50.75	+ 5 7.3	2.040	2.918	11.5	18.0
5 1	11 47.04	+ 5 37.1	2.123	2.913	14.4	18.2
70436 1999 TT_5			3 23.2 120°.35		1°.7/24.9 18	
2 21	12 33.80	− 9 7.7	1.865	2.698	13.7	19.3
3 2	12 27.85	− 8 29.7	1.802	2.715	10.1	19.1
3 12	12 20.09	− 7 34.7	1.764	2.731	6.0	18.9
3 22	12 11.32	− 6 27.3	1.753	2.746	2.2	18.7
4 1	12 2.53	− 5 13.9	1.771	2.761	3.6	18.8
4 11	11 54.70	− 4 2.2	1.818	2.775	7.5	19.1
4 21	11 48.59	− 2 58.7	1.890	2.789	11.2	19.3
5 1	11 44.66	− 2 8.3	1.985	2.802	14.4	19.5
459093 2012 BM_{88}			3 23.2 325°.90		0°.1/23.3 17	
2 21	12 33.55	− 2 13.0	1.351	2.222	15.6	20.9
3 2	12 28.48	− 2 5.8	1.275	2.210	11.3	20.6
3 12	12 20.81	− 1 45.7	1.221	2.199	6.2	20.3
3 22	12 11.43	− 1 17.1	1.192	2.188	0.7	19.9
4 1	12 1.66	− 0 46.6	1.188	2.178	4.9	20.2
4 11	11 52.94	− 0 21.6	1.210	2.169	10.3	20.5
4 21	11 46.41	− 0 7.8	1.253	2.160	15.1	20.7
5 1	11 42.80	− 0 9.1	1.316	2.152	19.2	20.9
458999 2011 WA_{141}			3 23.2 63°.57		2°.2/21.6 18	
2 21	12 35.84	+ 2 24.5	1.387	2.262	14.9	21.3
3 2	12 29.73	+ 2 57.4	1.335	2.273	10.5	21.1
3 12	12 21.26	+ 3 37.8	1.306	2.285	5.6	20.8
3 22	12 11.47	+ 4 18.7	1.302	2.297	2.2	20.6
4 1	12 1.68	+ 4 52.4	1.326	2.309	5.9	20.9
4 11	11 53.20	+ 5 12.9	1.374	2.321	10.6	21.2
4 21	11 46.96	+ 5 16.8	1.446	2.333	14.8	21.5
5 1	11 43.48	+ 5 3.2	1.536	2.345	18.2	21.7
316179 2010 EN_{65}			3 23.2 53°.15		0°.5/29.5 15	
2 21	12 13.57	−17 12.4	26.532	27.288	1.4	21.6
3 2	12 12.59	−17 8.4	26.448	27.298	1.1	21.6
3 12	12 11.51	−17 2.8	26.390	27.308	0.8	21.5
3 22	12 10.38	−16 55.9	26.361	27.319	0.6	21.5
4 1	12 9.24	−16 47.8	26.361	27.329	0.5	21.5
4 11	12 8.14	−16 38.9	26.390	27.339	0.7	21.5
4 21	12 7.13	−16 29.5	26.448	27.349	0.9	21.5
5 1	12 6.24	−16 19.9	26.532	27.359	1.2	21.6
170870 2004 HA_4			3 23.2 342°.87		5°.2/17.6 18	
2 21	12 30.99	+12 50.9	2.063	2.938	10.7	19.5
3 2	12 25.82	+13 49.4	2.003	2.936	7.9	19.3
3 12	12 18.99	+14 45.3	1.969	2.934	5.6	19.2
3 22	12 11.22	+15 31.8	1.962	2.932	5.4	19.1
4 1	12 3.36	+16 3.2	1.983	2.930	7.6	19.3
4 11	11 56.31	+16 15.9	2.030	2.929	10.4	19.4
4 21	11 50.75	+16 8.8	2.100	2.928	13.2	19.6
5 1	11 47.16	+15 43.0	2.189	2.926	15.6	19.8
14886 1991 RL_9			3 23.2 179°.88		0°.5/23.8 18	R
2 21	12 33.46	− 5 22.4	2.024	2.866	12.3	19.4
3 2	12 27.62	− 4 44.0	1.947	2.868	8.9	19.1
3 12	12 20.01	− 3 52.4	1.896	2.869	5.0	18.9
3 22	12 11.34	− 2 51.9	1.873	2.869	0.9	18.6
4 1	12 2.51	− 1 48.6	1.880	2.869	3.6	18.8
4 11	11 54.48	− 0 49.0	1.915	2.868	7.6	19.0
4 21	11 48.00	+ 0 1.4	1.976	2.866	11.3	19.3
5 1	11 43.59	+ 0 38.6	2.060	2.864	14.4	19.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
97260 1999 XG_{119}			3 23.2 200°.80		2°.7/26.5 18	
	h m	° ′			°	m
2 21	12 31.80	−12 29.0	2.592	3.397	11.1	20.2
3 2	12 26.21	−12 15.3	2.501	3.392	8.5	20.0
3 12	12 19.17	−11 47.2	2.435	3.387	5.6	19.8
3 22	12 11.24	−11 6.3	2.398	3.382	3.1	19.7
4 1	12 3.13	−10 16.3	2.390	3.376	3.3	19.7
4 11	11 55.60	− 9 22.0	2.412	3.369	6.0	19.8
4 21	11 49.25	− 8 28.4	2.462	3.362	8.9	20.0
5 1	11 44.58	− 7 40.2	2.537	3.354	11.6	20.2
373328 2012 JY_{21}			3 23.2 359°.67		1°.6/24.3 18	
2 21	12 33.78	− 4 29.8	1.278	2.145	16.5	19.3
3 2	12 28.65	− 4 49.8	1.211	2.142	12.1	19.0
3 12	12 20.88	− 4 55.6	1.166	2.140	7.1	18.7
3 22	12 11.45	− 4 49.8	1.145	2.140	2.1	18.4
4 1	12 1.73	− 4 37.5	1.149	2.140	4.7	18.6
4 11	11 53.22	− 4 25.1	1.178	2.142	9.9	18.9
4 21	11 47.02	− 4 18.6	1.229	2.144	14.7	19.1
5 1	11 43.82	− 4 22.5	1.298	2.148	18.7	19.4
79792 1998 VQ_5			3 23.2 94°.66		0°.8/22.5 18	
2 21	12 36.21	− 0 32.2	1.760	2.618	13.2	19.4
3 2	12 29.54	− 0 3.8	1.709	2.639	9.3	19.2
3 12	12 20.99	+ 0 33.1	1.682	2.659	4.9	19.0
3 22	12 11.44	+ 1 13.3	1.684	2.680	0.9	18.7
4 1	12 1.96	+ 1 51.0	1.714	2.700	4.4	19.0
4 11	11 53.59	+ 2 20.5	1.772	2.719	8.5	19.3
4 21	11 47.08	+ 2 38.3	1.855	2.738	12.2	19.6
5 1	11 42.88	+ 2 42.4	1.958	2.757	15.2	19.8
158607 2002 YO_6			3 23.2 75°.84		3°.2/25.5 18	
2 21	12 36.45	− 9 50.9	1.305	2.151	17.6	19.3
3 2	12 30.36	− 9 51.0	1.248	2.165	13.2	19.0
3 12	12 21.70	− 9 29.1	1.213	2.179	8.2	18.8
3 22	12 11.53	− 8 48.6	1.202	2.193	3.8	18.6
4 1	12 1.30	− 7 56.3	1.217	2.207	4.8	18.7
4 11	11 52.44	− 7 1.4	1.257	2.220	9.5	19.0
4 21	11 45.99	− 6 12.4	1.320	2.234	14.0	19.2
5 1	11 42.52	− 5 35.7	1.404	2.248	17.8	19.5
140595 2001 TE_{236}			3 23.2 146°.33		1°.1/21.7 17	
2 21	12 28.72	− 0 12.5	2.686	3.540	9.3	20.4
3 2	12 23.88	+ 0 46.2	2.618	3.548	6.5	20.2
3 12	12 17.83	+ 1 51.8	2.578	3.555	3.4	20.0
3 22	12 11.09	+ 2 59.7	2.568	3.563	1.1	19.9
4 1	12 4.30	+ 4 4.7	2.588	3.570	3.5	20.1
4 11	11 58.10	+ 5 2.1	2.638	3.576	6.6	20.3
4 21	11 53.00	+ 5 48.5	2.715	3.583	9.3	20.5
5 1	11 49.37	+ 6 21.8	2.814	3.588	11.6	20.6
473195 2015 KJ_{76}			3 23.2 230°.45		3°.5/18.6 17	
2 21	12 28.57	+ 8 17.2	2.403	3.276	9.5	21.6
3 2	12 23.94	+ 9 25.4	2.338	3.274	6.7	21.4
3 12	12 17.93	+10 35.2	2.299	3.272	4.2	21.3
3 22	12 11.11	+11 40.8	2.289	3.269	3.7	21.2
4 1	12 4.20	+12 36.3	2.308	3.267	5.9	21.4
4 11	11 57.92	+13 17.4	2.355	3.265	8.7	21.5
4 21	11 52.86	+13 41.7	2.426	3.263	11.4	21.7
5 1	11 49.44	+13 48.8	2.518	3.260	13.7	21.9
465935 2010 XT_{77}			3 23.2 96°.21		8°.4/14.9 18	
2 21	12 35.69	+20 25.0	1.771	2.640	12.5	21.4
3 2	12 29.22	+21 50.5	1.739	2.657	10.0	21.3
3 12	12 20.81	+23 4.0	1.732	2.673	8.5	21.2
3 22	12 11.43	+23 57.0	1.751	2.689	8.9	21.3
4 1	12 2.18	+24 23.6	1.796	2.705	10.8	21.4
4 11	11 54.14	+24 22.0	1.865	2.721	13.3	21.6
4 21	11 48.04	+23 54.3	1.954	2.736	15.7	21.8
5 1	11 44.31	+23 4.3	2.061	2.751	17.7	22.0
173446 2000 OH_9			3 23.2 65°.02		7°.1/30.7 18	
2 21	12 34.32	−23 16.9	2.185	2.936	14.6	19.3
3 2	12 28.26	−24 2.1	2.115	2.951	12.2	19.1
3 12	12 20.38	−24 25.5	2.066	2.966	9.8	19.0
3 22	12 11.40	−24 25.8	2.042	2.980	7.8	18.9
4 1	12 2.25	−24 4.6	2.044	2.995	7.1	18.9
4 11	11 53.92	−23 26.5	2.074	3.010	8.2	18.9
4 21	11 47.18	−22 37.8	2.129	3.025	10.3	19.1
5 1	11 42.56	−21 45.6	2.207	3.040	12.6	19.3
336479 2008 VH_{28}			3 23.2 258°.59		1°.0/22.3 17	
2 21	12 31.99	− 0 5.4	2.024	2.884	11.6	20.9
3 2	12 26.62	+ 0 25.4	1.946	2.877	8.2	20.7
3 12	12 19.50	+ 1 4.5	1.893	2.870	4.4	20.5
3 22	12 11.31	+ 1 47.2	1.868	2.863	1.0	20.2
4 1	12 2.92	+ 2 28.2	1.871	2.856	4.2	20.4
4 11	11 55.28	+ 3 1.9	1.903	2.849	8.1	20.6
4 21	11 49.12	+ 3 24.6	1.960	2.842	11.7	20.8
5 1	11 44.99	+ 3 33.6	2.038	2.835	14.7	21.0

506331 2017 OG_{20} 3 23.2 239°.54 2°.3/25.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 35.12	− 9 28.6	2.173	2.994	12.4	21.8
3 2	12 28.92	− 9 21.5	2.073	2.977	9.4	21.6
3 12	12 20.82	− 8 59.8	1.997	2.959	5.9	21.3
3 22	12 11.47	− 8 25.3	1.950	2.940	2.7	21.1
4 1	12 1.74	− 7 41.7	1.932	2.920	3.6	21.1
4 11	11 52.61	− 6 54.6	1.944	2.900	7.2	21.3
4 21	11 44.92	− 6 9.8	1.982	2.879	10.9	21.5
5 1	11 39.30	− 5 32.2	2.043	2.857	14.1	21.6

274311 2008 QX_{39} 3 23.2 226°.29 0°.3/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.01	− 5 39.0	2.215	3.058	11.4	21.3
3 2	12 25.13	− 4 43.2	2.129	3.050	8.2	21.0
3 12	12 18.66	− 3 33.7	2.068	3.041	4.6	20.8
3 22	12 11.21	− 2 15.1	2.036	3.032	0.7	20.5
4 1	12 3.57	− 0 53.5	2.034	3.022	3.4	20.7
4 11	11 56.56	+ 0 24.1	2.061	3.012	7.2	20.9
4 21	11 50.88	+ 1 31.8	2.114	3.002	10.7	21.1
5 1	11 47.02	+ 2 25.4	2.190	2.991	13.7	21.3

73078 2002 GR_{8} 3 23.3 321°.50 3°.1/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 27.16	−14 9.0	1.689	2.517	15.1	19.1
3 2	12 23.55	−13 14.7	1.601	2.506	11.6	18.8
3 12	12 17.98	−11 53.8	1.537	2.495	7.6	18.6
3 22	12 11.15	−10 10.2	1.497	2.485	3.9	18.3
4 1	12 4.06	− 8 11.6	1.485	2.475	4.1	18.3
4 11	11 57.77	− 6 9.1	1.501	2.466	8.1	18.5
4 21	11 53.14	− 4 13.6	1.542	2.457	12.3	18.7
5 1	11 50.78	− 2 33.7	1.605	2.448	16.0	18.9

477155 2009 DQ_{106} 3 23.3 305°.51 0°.9/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 38.69	− 2 44.7	2.200	3.037	11.7	20.6
3 2	12 31.30	− 3 14.7	2.115	3.032	8.5	20.4
3 12	12 22.04	− 3 38.0	2.056	3.027	4.9	20.2
3 22	12 11.62	− 3 56.1	2.027	3.022	1.2	19.9
4 1	12 0.96	− 4 11.1	2.028	3.017	3.4	20.1
4 11	11 51.04	− 4 25.7	2.060	3.012	7.2	20.3
4 21	11 42.66	− 4 42.6	2.119	3.007	10.7	20.5
5 1	11 36.40	− 5 4.1	2.201	3.002	13.6	20.7

271091 2003 QA_{20} 3 23.3 250°.87 1°.2/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.38	− 6 1.7	2.319	3.151	11.3	21.0
3 2	12 28.28	− 5 57.0	2.220	3.133	8.4	20.8
3 12	12 20.43	− 5 41.4	2.146	3.114	4.9	20.5
3 22	12 11.44	− 5 17.3	2.101	3.095	1.6	20.3
4 1	12 2.12	− 4 47.9	2.086	3.075	3.2	20.4
4 11	11 53.36	− 4 18.1	2.100	3.054	6.9	20.6
4 21	11 45.93	− 3 52.0	2.141	3.033	10.4	20.7
5 1	11 40.40	− 3 33.5	2.206	3.012	13.5	20.9

37565 1988 VL_{3} 3 23.3 158°.34 3°.7/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.39	−16 38.5	2.292	3.084	12.8	19.2
3 2	12 26.03	−16 5.5	2.211	3.091	10.0	19.0
3 12	12 19.11	−15 12.4	2.155	3.097	7.0	18.8
3 22	12 11.28	−14 1.8	2.125	3.103	4.3	18.7
4 1	12 3.34	−12 38.3	2.125	3.108	4.0	18.7
4 11	11 56.13	−11 8.9	2.154	3.112	6.5	18.8
4 21	11 50.31	− 9 40.9	2.211	3.116	9.5	19.0
5 1	11 46.34	− 8 20.4	2.292	3.120	12.3	19.2

388739 2007 VC_{291} 3 23.3 204°.14 2°.2/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.26	+ 3 48.5	2.319	3.184	10.1	21.6
3 2	12 25.18	+ 4 35.6	2.248	3.182	7.1	21.4
3 12	12 18.63	+ 5 27.2	2.203	3.181	3.9	21.2
3 22	12 11.23	+ 6 18.4	2.188	3.179	2.2	21.1
4 1	12 3.71	+ 7 3.8	2.201	3.177	4.7	21.2
4 11	11 56.87	+ 7 38.9	2.243	3.175	7.9	21.4
4 21	11 51.30	+ 8 0.8	2.310	3.173	10.9	21.6
5 1	11 47.48	+ 8 8.1	2.399	3.170	13.5	21.8

261349 2005 UY_{283} 3 23.3 24°.55 3°.3/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.61	+ 5 8.2	1.557	2.436	13.4	20.6
3 2	12 27.34	+ 5 56.7	1.499	2.439	9.4	20.3
3 12	12 19.97	+ 6 49.9	1.464	2.443	5.3	20.1
3 22	12 11.38	+ 7 40.4	1.456	2.446	3.4	20.0
4 1	12 2.71	+ 8 20.6	1.475	2.451	6.5	20.2
4 11	11 55.11	+ 8 44.8	1.520	2.455	10.6	20.4
4 21	11 49.43	+ 8 50.0	1.586	2.460	14.4	20.7
5 1	11 46.21	+ 8 36.1	1.673	2.466	17.6	20.9

267376 2001 XU_{183} 3 23.3 137°.59 1°.6/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.79	− 9 10.1	2.429	3.250	11.3	21.6
3 2	12 26.85	− 8 38.8	2.360	3.265	8.3	21.4
3 12	12 19.48	− 7 54.2	2.317	3.280	5.0	21.2
3 22	12 11.33	− 6 59.7	2.303	3.294	2.0	21.0
4 1	12 3.14	− 5 59.9	2.319	3.308	3.0	21.1
4 11	11 55.67	− 5 0.3	2.365	3.321	6.2	21.4
4 21	11 49.53	− 4 5.8	2.439	3.332	9.2	21.6
5 1	11 45.13	− 3 20.5	2.536	3.344	11.9	21.8

300120 2006 VO_{2} 3 23.3 118°.73 0°.9/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.38	− 6 8.2	2.674	3.507	10.0	21.4
3 2	12 25.05	− 5 46.3	2.606	3.520	7.2	21.2
3 12	12 18.48	− 5 14.7	2.564	3.533	4.2	21.1
3 22	12 11.22	− 4 36.4	2.551	3.546	1.2	20.9
4 1	12 3.91	− 3 55.2	2.569	3.558	2.7	21.0
4 11	11 57.23	− 3 15.2	2.616	3.570	5.7	21.2
4 21	11 51.69	− 2 40.2	2.690	3.582	8.6	21.4
5 1	11 47.68	− 2 13.2	2.789	3.593	11.0	21.6

489491 2007 GJ_{64} 3 23.3 276°.61 1°.2/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.73	− 0 53.7	1.444	2.312	14.9	22.3
3 2	12 29.36	− 0 14.7	1.356	2.292	10.7	22.0
3 12	12 21.37	+ 0 38.2	1.292	2.271	5.8	21.7
3 22	12 11.58	+ 1 39.0	1.254	2.250	1.2	21.3
4 1	12 1.25	+ 2 39.1	1.242	2.228	5.6	21.6
4 11	11 51.81	+ 3 29.6	1.256	2.207	10.9	21.8
4 21	11 44.45	+ 4 3.8	1.293	2.185	15.8	22.0
5 1	11 39.97	+ 4 17.8	1.348	2.163	20.0	22.2

422700 2000 QB_{35} 3 23.3 134°.70 1°.6/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.59	+ 0 48.2	2.302	3.159	10.5	21.8
3 2	12 26.04	+ 1 55.2	2.243	3.174	7.3	21.6
3 12	12 19.05	+ 3 9.2	2.210	3.188	3.9	21.4
3 22	12 11.29	+ 4 24.3	2.207	3.201	1.6	21.3
4 1	12 3.50	+ 5 34.5	2.235	3.214	4.3	21.5
4 11	11 56.47	+ 6 34.3	2.291	3.226	7.6	21.7
4 21	11 50.78	+ 7 20.0	2.374	3.237	10.6	21.9
5 1	11 46.85	+ 7 49.8	2.478	3.248	13.2	22.1

396219 2013 YA_{140} 3 23.3 6°.95 5°.4/28.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.94	−16 16.1	1.965	2.765	14.3	20.1
3 2	12 27.46	−16 55.9	1.887	2.766	11.5	19.9
3 12	12 20.04	−17 17.2	1.831	2.767	8.4	19.7
3 22	12 11.41	−17 19.5	1.800	2.769	6.0	19.6
4 1	12 2.53	−17 4.8	1.797	2.771	5.7	19.5
4 11	11 54.42	−16 37.6	1.820	2.774	7.8	19.7
4 21	11 47.93	−16 4.0	1.869	2.777	10.8	19.9
5 1	11 43.65	−15 30.4	1.940	2.781	13.7	20.0

243627 1999 RH_{124} 3 23.3 245°.02 5°.3/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.99	−21 45.8	2.879	3.626	11.5	20.6
3 2	12 26.42	−22 9.0	2.773	3.611	9.6	20.4
3 12	12 19.36	−22 15.6	2.691	3.596	7.5	20.3
3 22	12 11.34	−22 5.0	2.635	3.581	5.9	20.1
4 1	12 3.03	−21 38.5	2.608	3.565	5.4	20.1
4 11	11 55.17	−20 59.3	2.609	3.549	6.5	20.1
4 21	11 48.40	−20 12.0	2.638	3.533	8.6	20.2
5 1	11 43.23	−19 21.9	2.691	3.516	10.8	20.4

370092 2001 SR_{298} 3 23.3 244°.86 1°.0/24.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.46	− 6 11.1	2.104	2.942	12.1	22.7
3 2	12 27.76	− 5 45.4	2.008	2.925	8.9	22.4
3 12	12 20.21	− 5 6.1	1.937	2.907	5.2	22.2
3 22	12 11.45	− 4 16.5	1.894	2.889	1.4	21.9
4 1	12 2.35	− 3 21.6	1.880	2.870	3.5	22.0
4 11	11 53.87	− 2 27.7	1.896	2.850	7.5	22.2
4 21	11 46.84	− 1 40.3	1.937	2.830	11.3	22.4
5 1	11 41.86	− 1 4.1	2.001	2.809	14.6	22.6

275533 1998 MR_{17} 3 23.3 328°.25 16°.3/29.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.45	−29 50.9	1.361	2.114	21.8	19.0
3 2	12 28.21	−31 54.6	1.236	2.057	20.0	18.7
3 12	12 21.53	−33 35.3	1.128	2.000	18.2	18.4
3 22	12 11.70	−34 42.4	1.037	1.944	16.7	18.1
4 1	11 59.80	−35 5.2	0.965	1.888	16.3	17.9
4 11	11 47.72	−34 39.2	0.913	1.833	17.6	17.7
4 21	11 37.60	−33 28.1	0.878	1.780	20.4	17.7
5 1	11 31.38	−31 43.8	0.859	1.728	24.2	17.7

217016 2001 BQ_{54} 3 23.3 87°.96 0°.9/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.69	− 7 15.1	2.085	2.921	12.3	20.7
3 2	12 26.83	− 6 26.5	2.036	2.952	8.9	20.5
3 12	12 19.47	− 5 24.6	2.011	2.981	5.0	20.3
3 22	12 11.34	− 4 14.3	2.016	3.011	1.3	20.1
4 1	12 3.31	− 3 2.0	2.050	3.040	3.2	20.3
4 11	11 56.19	− 1 54.2	2.113	3.068	6.9	20.6
4 21	11 50.59	− 0 55.9	2.203	3.095	10.2	20.8
5 1	11 46.91	− 0 10.8	2.316	3.123	12.9	21.1

399723 2004 XH_{7} 3 23.3 90°.05 4°.5/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.53	−14 10.9	1.523	2.345	16.7	20.7
3 2	12 29.50	−14 11.1	1.463	2.361	13.0	20.5
3 12	12 21.18	−13 47.6	1.424	2.377	8.8	20.2
3 22	12 11.55	−13 2.4	1.410	2.392	5.2	20.1
4 1	12 1.85	−12 1.5	1.423	2.408	5.1	20.1
4 11	11 53.35	−10 53.5	1.462	2.423	8.6	20.3
4 21	11 46.97	− 9 47.4	1.525	2.439	12.5	20.6
5 1	11 43.26	− 8 50.6	1.610	2.453	16.0	20.9

169299 Sirko 3 23.3 120°.94 5°.0/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.27	+13 55.3	2.345	3.215	9.8	20.0
3 2	12 25.84	+14 56.2	2.292	3.222	7.3	19.9
3 12	12 18.96	+15 53.5	2.267	3.228	5.3	19.8
3 22	12 11.29	+16 41.2	2.270	3.235	5.3	19.8
4 1	12 3.60	+17 14.3	2.301	3.241	7.1	19.9
4 11	11 56.67	+17 29.8	2.359	3.247	9.6	20.1
4 21	11 51.09	+17 27.1	2.440	3.252	12.0	20.2
5 1	11 47.28	+17 6.9	2.541	3.258	14.1	20.4

107508 2001 DV_{49} 3 23.3 124°.32 1°.6/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.64	+ 1 29.1	1.676	2.539	13.4	19.6
3 2	12 30.06	+ 1 59.6	1.616	2.549	9.4	19.4
3 12	12 21.41	+ 2 37.4	1.580	2.558	5.0	19.2
3 22	12 11.57	+ 3 17.0	1.573	2.567	1.6	18.9
4 1	12 1.69	+ 3 51.7	1.593	2.576	5.1	19.2
4 11	11 52.91	+ 4 16.2	1.640	2.585	9.4	19.5
4 21	11 46.06	+ 4 26.9	1.712	2.593	13.2	19.7
5 1	11 41.67	+ 4 22.4	1.804	2.600	16.4	19.9

96320 1997 CV_{15} 3 23.3 186°.98 1°.0/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.45	− 6 5.8	2.196	3.034	11.7	20.3
3 2	12 26.84	− 5 44.9	2.116	3.033	8.5	20.1
3 12	12 19.60	− 5 11.9	2.063	3.033	4.9	19.9
3 22	12 11.37	− 4 30.1	2.037	3.032	1.4	19.6
4 1	12 2.99	− 3 44.3	2.041	3.030	3.2	19.8
4 11	11 55.32	− 2 59.7	2.074	3.029	6.9	20.0
4 21	11 49.05	− 2 21.2	2.133	3.027	10.4	20.2
5 1	11 44.68	− 1 52.5	2.214	3.024	13.3	20.4

42163 2001 BC_{77} 3 23.3 302°.16 3°.4/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.27	+ 4 7.1	1.443	2.324	14.1	18.8
3 2	12 27.54	+ 5 4.0	1.362	2.304	10.0	18.5
3 12	12 20.34	+ 6 9.9	1.304	2.283	5.6	18.2
3 22	12 11.48	+ 7 16.6	1.271	2.262	3.5	18.0
4 1	12 2.17	+ 8 14.6	1.265	2.242	7.1	18.2
4 11	11 53.78	+ 8 55.4	1.283	2.222	11.9	18.4
4 21	11 47.39	+ 9 14.2	1.323	2.202	16.4	18.6
5 1	11 43.77	+ 9 9.2	1.381	2.183	20.2	18.8

487548 2014 VH_{7} 3 23.3 135°.91 0°.4/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.56	− 2 32.9	2.131	2.980	11.6	21.4
3 2	12 27.53	− 1 46.9	2.069	2.994	8.2	21.2
3 12	12 19.91	− 0 51.2	2.032	3.008	4.4	21.0
3 22	12 11.40	+ 0 9.4	2.024	3.021	0.5	20.7
4 1	12 2.87	+ 1 8.9	2.047	3.033	3.7	21.0
4 11	11 55.18	+ 2 1.6	2.098	3.045	7.5	21.3
4 21	11 48.97	+ 2 43.3	2.175	3.055	10.8	21.5
5 1	11 44.71	+ 3 11.1	2.275	3.066	13.6	21.7

439331 2012 WU_{16} 3 23.3 108°.24 8°.0/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.46	−32 4.0	2.604	3.285	14.1	20.9
3 2	12 25.42	−32 18.8	2.521	3.294	12.4	20.7
3 12	12 18.82	−32 9.2	2.458	3.303	10.5	20.6
3 22	12 11.29	−31 34.2	2.418	3.313	8.9	20.5
4 1	12 3.63	−30 35.4	2.404	3.322	8.0	20.5
4 11	11 56.67	−29 17.4	2.415	3.330	8.2	20.5
4 21	11 51.07	−27 46.7	2.453	3.339	9.5	20.6
5 1	11 47.31	−26 10.8	2.515	3.348	11.2	20.7

210569 1999 TG_{234} 3 23.3 273°.20 3°.7/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.27	−17 3.7	2.542	3.331	11.8	19.9
3 2	12 23.87	−16 38.4	2.436	3.312	9.4	19.7
3 12	12 18.00	−15 54.3	2.354	3.293	6.7	19.5
3 22	12 11.20	−14 52.9	2.299	3.274	4.3	19.3
4 1	12 4.16	−13 37.7	2.273	3.254	4.0	19.2
4 11	11 57.61	−12 14.3	2.276	3.234	6.2	19.3
4 21	11 52.21	−10 49.3	2.307	3.215	9.1	19.5
5 1	11 48.46	− 9 28.9	2.362	3.194	11.9	19.6

4452 Ullacharles 3 23.3 72°.67 6°.4/28.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.26	−17 46.1	1.719	2.513	16.3	16.3
3 2	12 30.67	−18 32.1	1.653	2.527	13.1	16.1
3 12	12 21.83	−18 55.5	1.609	2.541	9.8	15.9
3 22	12 11.64	−18 55.5	1.590	2.555	7.1	15.8
4 1	12 1.29	−18 34.4	1.598	2.570	6.6	15.8
4 11	11 51.99	−17 58.2	1.632	2.584	8.8	15.9
4 21	11 44.70	−17 14.4	1.691	2.598	11.9	16.1
5 1	11 40.00	−16 30.7	1.772	2.612	14.9	16.4

119077 2001 MQ_{8} 3 23.3 181°.33 3°.6/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.24	−13 15.3	1.758	2.575	15.0	19.8
3 2	12 29.22	−13 0.2	1.678	2.576	11.6	19.6
3 12	12 21.06	−12 23.6	1.622	2.577	7.7	19.4
3 22	12 11.57	−11 27.7	1.591	2.577	4.2	19.1
4 1	12 1.85	−10 18.0	1.589	2.576	4.4	19.2
4 11	11 53.05	− 9 2.7	1.615	2.575	8.1	19.4
4 21	11 46.09	− 7 50.0	1.666	2.573	12.0	19.6
5 1	11 41.57	− 6 47.1	1.739	2.570	15.5	19.8

275363 2011 AU_{35} 3 23.3 70°.51 6°.9/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 36.08	−21 12.7	1.725	2.503	16.9	20.6
3 2	12 29.69	−21 38.3	1.671	2.530	13.8	20.4
3 12	12 21.21	−21 37.4	1.638	2.558	10.5	20.3
3 22	12 11.58	−21 10.1	1.628	2.585	7.8	20.2
4 1	12 1.96	−20 20.2	1.645	2.612	7.0	20.2
4 11	11 53.50	−19 15.4	1.689	2.639	8.7	20.3
4 21	11 47.05	−18 4.4	1.757	2.665	11.4	20.6
5 1	11 43.11	−16 55.7	1.848	2.691	14.2	20.8

347932 2003 FW_{4} 3 23.3 337°.86 3°.9/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.11	+ 7 41.9	2.028	2.907	10.7	20.3
3 2	12 23.87	+ 8 57.8	1.962	2.902	7.6	20.1
3 12	12 18.02	+10 16.6	1.923	2.897	4.8	19.9
3 22	12 11.22	+11 31.0	1.911	2.893	4.2	19.9
4 1	12 4.30	+12 34.0	1.927	2.889	6.6	20.0
4 11	11 58.09	+13 20.1	1.970	2.885	9.8	20.2
4 21	11 53.30	+13 46.5	2.036	2.881	12.9	20.4
5 1	11 50.39	+13 52.5	2.122	2.878	15.5	20.6

506639 2006 RO_{42} 3 23.3 160°.98 0°.6/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.64	− 0 12.5	2.490	3.342	10.0	21.7
3 2	12 26.08	+ 0 9.9	2.417	3.345	7.1	21.6
3 12	12 19.12	+ 0 38.5	2.371	3.347	3.8	21.4
3 22	12 11.35	+ 1 10.0	2.354	3.350	0.7	21.1
4 1	12 3.50	+ 1 40.1	2.367	3.352	3.4	21.3
4 11	11 56.29	+ 2 4.9	2.408	3.354	6.7	21.5
4 21	11 50.30	+ 2 21.6	2.477	3.355	9.7	21.7
5 1	11 45.99	+ 2 28.0	2.568	3.357	12.3	21.9

346101 2007 VN_{62} 3 23.3 119°.24 8°.9/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.53	+29 46.5	2.431	3.267	10.8	20.7
3 2	12 29.52	+30 46.5	2.399	3.277	9.4	20.6
3 12	12 20.93	+31 30.8	2.392	3.286	8.9	20.6
3 22	12 11.55	+31 53.5	2.411	3.295	9.4	20.6
4 1	12 2.29	+31 51.3	2.456	3.304	10.6	20.7
4 11	11 54.03	+31 24.1	2.524	3.313	12.3	20.8
4 21	11 47.40	+30 34.3	2.612	3.321	13.9	21.0
5 1	11 42.80	+29 25.6	2.718	3.330	15.3	21.1

423657 2005 YK_{77} 3 23.3 25°.73 3°.8/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.97	+ 6 57.1	1.803	2.679	12.0	21.1
3 2	12 26.73	+ 7 58.2	1.741	2.679	8.5	20.9
3 12	12 19.62	+ 9 2.2	1.704	2.680	5.1	20.7
3 22	12 11.42	+10 2.0	1.694	2.680	4.0	20.7
4 1	12 3.11	+10 50.3	1.713	2.680	6.7	20.8
4 11	11 55.71	+11 21.6	1.757	2.681	10.3	21.0
4 21	11 49.98	+11 33.6	1.825	2.681	13.7	21.2
5 1	11 46.45	+11 26.0	1.912	2.682	16.5	21.4

469954 2006 BY_{175} 3 23.3 59°.55 1°.5/24.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.25	− 6 7.2	1.806	2.650	13.5	21.1
3 2	12 28.37	− 6 8.0	1.736	2.655	9.9	20.9
3 12	12 20.53	− 5 55.8	1.691	2.661	5.8	20.6
3 22	12 11.53	− 5 33.4	1.672	2.666	1.9	20.4
4 1	12 2.38	− 5 5.3	1.682	2.671	3.7	20.5
4 11	11 54.15	− 4 37.2	1.719	2.677	7.8	20.8
4 21	11 47.66	− 4 14.0	1.781	2.683	11.6	21.0
5 1	11 43.46	− 3 59.8	1.865	2.688	14.9	21.2

135676 2002 NS_{40} 3 23.3 190°.63 1°.6/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.83	+ 0 53.1	2.066	2.924	11.5	21.3
3 2	12 27.89	+ 1 43.8	1.992	2.923	8.1	21.1
3 12	12 20.22	+ 2 42.5	1.944	2.921	4.3	20.9
3 22	12 11.49	+ 3 43.7	1.924	2.919	1.6	20.7
4 1	12 2.62	+ 4 41.2	1.934	2.915	4.6	20.9
4 11	11 54.52	+ 5 28.8	1.973	2.912	8.4	21.1
4 21	11 47.93	+ 6 2.8	2.037	2.907	11.9	21.3
5 1	11 43.37	+ 6 21.0	2.123	2.902	14.8	21.5

112547 2002 PK_{42} 3 23.3 278°.39 0°.5/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.70	− 0 49.4	1.758	2.612	13.3	19.6
3 2	12 31.26	− 0 39.1	1.655	2.583	9.7	19.3
3 12	12 22.38	− 0 19.3	1.577	2.553	5.3	19.0
3 22	12 11.77	+ 0 6.3	1.526	2.522	0.7	18.5
4 1	12 0.53	+ 0 32.4	1.504	2.491	4.6	18.8
4 11	11 49.93	+ 0 53.1	1.509	2.459	9.5	19.0
4 21	11 41.09	+ 1 3.5	1.539	2.427	14.0	19.2
5 1	11 34.82	+ 1 0.4	1.590	2.394	17.9	19.3

242271 2003 UT_{13} 3 23.3 206°.07 18°.3/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.40	+37 2.1	1.151	1.983	20.4	20.1
3 2	12 43.19	+38 35.7	1.118	1.981	18.8	20.0
3 12	12 28.90	+39 31.4	1.103	1.979	18.3	19.9
3 22	12 12.47	+39 34.1	1.107	1.976	19.0	20.0
4 1	11 56.44	+38 37.3	1.131	1.973	20.8	20.1
4 11	11 43.13	+36 46.4	1.173	1.970	23.1	20.2
4 21	11 33.85	+34 13.6	1.229	1.966	25.4	20.4
5 1	11 28.97	+31 12.5	1.299	1.961	27.5	20.6

303420 2005 AA_4 3 23.3 52°.14 3°.1/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 36.95	− 8 42.8	1.232	2.085	18.0	20.7
3 2	12 30.74	− 8 54.0	1.186	2.106	13.4	20.5
3 12	12 21.92	− 8 44.4	1.160	2.128	8.2	20.2
3 22	12 11.69	− 8 17.4	1.158	2.150	3.6	20.0
4 1	12 1.52	− 7 39.4	1.182	2.172	4.8	20.2
4 11	11 52.88	− 6 59.1	1.231	2.195	9.5	20.5
4 21	11 46.75	− 6 24.2	1.302	2.218	14.0	20.8
5 1	11 43.63	− 6 0.6	1.393	2.241	17.7	21.1

214302 2005 JA_4 3 23.3 299°.63 2°.3/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.91	+ 1 59.5	1.458	2.334	14.3	20.5
3 2	12 27.99	+ 2 43.5	1.376	2.315	10.1	20.2
3 12	12 20.60	+ 3 37.9	1.317	2.296	5.5	19.9
3 22	12 11.57	+ 4 35.7	1.284	2.277	2.4	19.6
4 1	12 2.09	+ 5 28.3	1.277	2.259	6.2	19.8
4 11	11 53.52	+ 6 7.5	1.295	2.240	11.2	20.0
4 21	11 46.95	+ 6 28.0	1.335	2.222	15.8	20.2
5 1	11 43.14	+ 6 27.4	1.394	2.205	19.7	20.4

386585 2009 FM_{30} 3 23.3 319°.75 2°.3/21.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.84	+ 5 4.4	2.121	2.987	10.9	21.0
3 2	12 27.16	+ 5 27.1	2.048	2.982	7.7	20.8
3 12	12 19.81	+ 5 52.6	2.001	2.978	4.3	20.6
3 22	12 11.46	+ 6 16.6	1.982	2.974	2.4	20.4
4 1	12 2.97	+ 6 34.2	1.992	2.970	4.9	20.6
4 11	11 55.24	+ 6 41.7	2.030	2.966	8.4	20.8
4 21	11 48.97	+ 6 36.9	2.093	2.962	11.7	21.0
5 1	11 44.66	+ 6 18.9	2.178	2.958	14.4	21.2

170097 2002 XV_{59} 3 23.3 14°.09 2°.0/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.73	− 7 48.3	2.055	2.890	12.5	19.6
3 2	12 27.16	− 7 53.4	1.978	2.891	9.3	19.4
3 12	12 19.85	− 7 45.8	1.926	2.891	5.7	19.2
3 22	12 11.48	− 7 27.4	1.901	2.893	2.4	19.0
4 1	12 2.93	− 7 2.1	1.905	2.894	3.5	19.0
4 11	11 55.14	− 6 34.7	1.936	2.895	7.1	19.3
4 21	11 48.85	− 6 9.9	1.994	2.897	10.5	19.5
5 1	11 44.59	− 5 51.8	2.074	2.898	13.6	19.7

44731 1999 TF_{18} 3 23.3 199°.98 0°.2/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.26	− 4 34.5	1.745	2.592	13.8	19.9
3 2	12 29.96	− 3 54.7	1.665	2.588	10.0	19.6
3 12	12 21.50	− 3 0.0	1.610	2.584	5.5	19.3
3 22	12 11.68	− 1 55.5	1.583	2.579	0.8	19.0
4 1	12 1.60	− 0 48.3	1.584	2.573	4.2	19.2
4 11	11 52.42	+ 0 13.8	1.614	2.565	8.8	19.5
4 21	11 45.07	+ 1 4.3	1.668	2.558	13.0	19.7
5 1	11 40.18	+ 1 39.1	1.744	2.549	16.5	19.9

227899 2007 EF_{128} 3 23.3 162°.43 0°.5/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.52	− 4 38.4	2.143	2.985	11.8	21.3
3 2	12 27.61	− 4 14.1	2.070	2.990	8.5	21.1
3 12	12 20.04	− 3 38.8	2.022	2.994	4.8	20.9
3 22	12 11.50	− 2 56.0	2.002	2.998	0.9	20.6
4 1	12 2.84	− 2 10.7	2.012	3.001	3.3	20.8
4 11	11 54.95	− 1 28.4	2.051	3.004	7.2	21.1
4 21	11 48.52	− 0 53.6	2.116	3.006	10.6	21.3
5 1	11 44.06	− 0 29.6	2.204	3.008	13.5	21.5

313633 2003 SZ_{13} 3 23.3 129°.81 0°.7/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.94	− 5 9.7	1.860	2.703	13.2	21.4
3 2	12 29.44	− 4 43.3	1.797	2.717	9.6	21.2
3 12	12 21.06	− 4 3.9	1.759	2.731	5.4	20.9
3 22	12 11.62	− 3 15.9	1.749	2.744	1.1	20.7
4 1	12 2.14	− 2 25.2	1.768	2.757	3.7	20.9
4 11	11 53.64	− 1 38.3	1.815	2.769	7.9	21.2
4 21	11 46.90	− 1 0.1	1.888	2.780	11.6	21.4
5 1	11 42.42	− 0 34.4	1.983	2.791	14.7	21.6

203527 2002 BT_{19} 3 23.3 90°.82 1°.2/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.31	− 1 33.1	1.450	2.318	14.9	20.4
3 2	12 28.61	− 0 34.2	1.398	2.333	10.5	20.1
3 12	12 20.70	+ 0 37.6	1.370	2.348	5.5	19.9
3 22	12 11.58	+ 1 54.2	1.368	2.363	1.2	19.6
4 1	12 2.47	+ 3 6.5	1.393	2.378	5.2	19.9
4 11	11 54.59	+ 4 6.0	1.444	2.393	9.9	20.2
4 21	11 48.79	+ 4 47.5	1.518	2.407	14.1	20.5
5 1	11 45.59	+ 5 8.7	1.612	2.421	17.5	20.8

313702 2003 UH_{23} 3 23.3 243°.63 2°.8/25.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.84	−11 5.9	1.946	2.767	13.6	21.8
3 2	12 28.97	−10 53.2	1.847	2.749	10.4	21.6
3 12	12 21.01	−10 22.3	1.772	2.731	6.7	21.3
3 22	12 11.65	− 9 35.1	1.724	2.712	3.3	21.1
4 1	12 1.86	− 8 36.1	1.704	2.692	4.0	21.1
4 11	11 52.74	− 7 32.1	1.713	2.672	7.8	21.3
4 21	11 45.22	− 6 30.3	1.748	2.651	11.8	21.4
5 1	11 39.96	− 5 37.2	1.806	2.629	15.3	21.6

45412 2000 AN_{147} 3 23.3 186°.33 1°.9/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.24	+ 3 19.1	2.567	3.426	9.5	20.0
3 2	12 25.79	+ 4 11.1	2.494	3.426	6.6	19.9
3 12	12 18.99	+ 5 7.8	2.448	3.425	3.6	19.7
3 22	12 11.39	+ 6 4.5	2.432	3.423	2.0	19.5
4 1	12 3.69	+ 6 56.1	2.446	3.421	4.3	19.7
4 11	11 56.60	+ 7 38.2	2.489	3.419	7.4	19.9
4 21	11 50.69	+ 8 7.9	2.559	3.416	10.2	20.1
5 1	11 46.40	+ 8 23.6	2.651	3.412	12.6	20.2

28918 2000 QF_{21} 3 23.3 34°.13 0°.6/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 26.31	− 1 19.4	2.675	3.530	9.3	17.9
3 2	12 22.25	− 0 34.5	2.608	3.538	6.5	17.7
3 12	12 17.03	+ 0 17.6	2.568	3.545	3.4	17.5
3 22	12 11.16	+ 1 12.8	2.557	3.553	0.6	17.3
4 1	12 5.24	+ 2 6.5	2.576	3.562	3.2	17.5
4 11	11 59.88	+ 2 54.4	2.624	3.570	6.2	17.7
4 21	11 55.56	+ 3 33.1	2.698	3.579	8.9	17.9
5 1	11 52.66	+ 4 0.3	2.795	3.588	11.3	18.1

248123 2004 RR_{200} 3 23.3 142°.27 0°.6/22.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.68	− 0 37.9	2.567	3.413	9.9	21.1
3 2	12 27.43	− 0 8.7	2.502	3.426	7.0	20.9
3 12	12 19.83	+ 0 26.9	2.464	3.439	3.7	20.7
3 22	12 11.49	+ 1 5.2	2.455	3.451	0.6	20.5
4 1	12 3.12	+ 1 42.1	2.478	3.463	3.3	20.7
4 11	11 55.44	+ 2 13.5	2.530	3.473	6.5	20.9
4 21	11 49.02	+ 2 36.4	2.610	3.484	9.4	21.1
5 1	11 44.28	+ 2 48.9	2.713	3.493	11.9	21.3

3555 Miyasaka 3 23.3 216°.94 1°.8/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.63	+ 3 18.8	2.467	3.323	9.9	18.2
3 2	12 27.58	+ 3 52.4	2.384	3.314	7.0	18.0
3 12	12 20.01	+ 4 30.6	2.328	3.305	3.8	17.8
3 22	12 11.52	+ 5 9.0	2.302	3.295	1.8	17.6
4 1	12 2.85	+ 5 43.0	2.306	3.284	4.3	17.8
4 11	11 54.79	+ 6 8.6	2.339	3.273	7.6	18.0
4 21	11 48.00	+ 6 22.9	2.399	3.261	10.6	18.1
5 1	11 42.97	+ 6 24.5	2.481	3.249	13.2	18.3

261898 2006 HR_{69} 3 23.3 331°.64 1°.9/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 27.67	− 1 25.5	1.137	2.026	16.4	20.2
3 2	12 24.64	− 0 15.2	1.065	2.010	11.7	19.9
3 12	12 18.92	+ 1 15.0	1.014	1.996	6.2	19.5
3 22	12 11.41	+ 2 55.8	0.987	1.982	1.9	19.2
4 1	12 3.49	+ 4 34.1	0.983	1.969	6.7	19.4
4 11	11 56.67	+ 5 56.4	1.003	1.958	12.5	19.7
4 21	11 52.14	+ 6 54.0	1.043	1.947	17.7	20.0
5 1	11 50.67	+ 7 22.3	1.099	1.938	22.0	20.2

173467 2000 QG_{194} 3 23.3 174°.63 2°.2/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.94	−12 45.1	2.999	3.802	9.8	21.0
3 2	12 24.05	−12 16.5	2.914	3.804	7.5	20.9
3 12	12 18.01	−11 34.7	2.854	3.806	4.9	20.7
3 22	12 11.29	−10 42.0	2.823	3.808	2.7	20.5
4 1	12 4.47	− 9 41.9	2.822	3.809	2.8	20.5
4 11	11 58.16	− 8 38.9	2.852	3.810	5.1	20.7
4 21	11 52.84	− 7 37.6	2.910	3.810	7.7	20.9
5 1	11 48.90	− 6 42.0	2.993	3.810	10.0	21.0

129448 1989 SX_1 3 23.3 159°.95 2°.5/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.36	+ 3 58.8	2.027	2.887	11.6	20.7
3 2	12 29.64	+ 4 47.7	1.964	2.896	8.1	20.5
3 12	12 21.15	+ 5 41.4	1.927	2.903	4.5	20.3
3 22	12 11.65	+ 6 33.9	1.919	2.910	2.5	20.2
4 1	12 2.10	+ 7 19.0	1.940	2.915	5.3	20.4
4 11	11 53.44	+ 7 51.9	1.990	2.920	8.9	20.6
4 21	11 46.42	+ 8 9.6	2.065	2.925	12.2	20.8
5 1	11 41.53	+ 8 11.3	2.162	2.928	14.9	21.0

411730 2012 BA_{52} 3 23.3 127°.70 3°.4/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.17	−12 30.6	1.826	2.644	14.5	21.9
3 2	12 29.03	−12 24.8	1.757	2.655	11.1	21.7
3 12	12 20.91	−11 59.8	1.711	2.666	7.3	21.5
3 22	12 11.64	−11 17.9	1.691	2.677	4.0	21.3
4 1	12 2.25	−10 24.0	1.700	2.687	4.2	21.4
4 11	11 53.82	− 9 25.1	1.737	2.697	7.7	21.6
4 21	11 47.18	− 8 28.4	1.799	2.706	11.3	21.8
5 1	11 42.85	− 7 39.9	1.884	2.715	14.5	22.1

242145 2003 BX_{59} 3 23.3 82°.22 4°.3/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.18	+10 12.2	2.195	3.069	10.2	20.3
3 2	12 25.13	+11 25.8	2.149	3.084	7.3	20.1
3 12	12 18.64	+12 38.6	2.130	3.099	4.9	20.0
3 22	12 11.37	+13 43.7	2.139	3.114	4.6	20.0
4 1	12 4.11	+14 35.4	2.177	3.129	6.7	20.2
4 11	11 57.65	+15 9.8	2.241	3.143	9.4	20.4
4 21	11 52.58	+15 25.4	2.329	3.158	12.0	20.6
5 1	11 49.29	+15 22.6	2.438	3.173	14.2	20.7

107950 2001 FA_{120} 3 23.3 313°.45 0°.2/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.49	− 3 5.6	1.941	2.797	12.2	20.8
3 2	12 25.65	− 2 26.2	1.867	2.796	8.7	20.6
3 12	12 19.06	− 1 35.1	1.818	2.794	4.7	20.3
3 22	12 11.43	− 0 37.3	1.796	2.792	0.5	20.0
4 1	12 3.64	+ 0 21.2	1.802	2.790	3.8	20.3
4 11	11 56.62	+ 1 13.7	1.837	2.789	7.9	20.5
4 21	11 51.10	+ 1 55.4	1.896	2.787	11.6	20.7
5 1	11 47.62	+ 2 22.7	1.977	2.786	14.7	20.9

82033 2000 SC_{127} 3 23.3 225°.10 0°.3/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.64	− 5 13.1	2.735	3.573	9.6	20.2
3 2	12 23.96	− 4 28.9	2.646	3.564	6.9	20.0
3 12	12 18.02	− 3 34.4	2.583	3.555	3.9	19.8
3 22	12 11.31	− 2 32.9	2.550	3.546	0.7	19.5
4 1	12 4.45	− 1 29.2	2.548	3.537	2.8	19.7
4 11	11 58.08	− 0 28.0	2.575	3.527	6.0	19.9
4 21	11 52.77	+ 0 26.1	2.630	3.516	8.9	20.0
5 1	11 48.92	+ 1 10.0	2.708	3.506	11.5	20.2

87500 2000 QS_{167} 3 23.3 284°.45 3°.6/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.19	−11 41.0	1.797	2.623	14.4	19.9
3 2	12 27.95	−11 46.8	1.701	2.604	11.1	19.6
3 12	12 20.53	−11 34.2	1.627	2.585	7.4	19.4
3 22	12 11.62	−11 4.4	1.580	2.566	4.1	19.1
4 1	12 2.26	−10 20.8	1.559	2.546	4.5	19.1
4 11	11 53.58	− 9 30.0	1.566	2.527	8.2	19.3
4 21	11 46.58	− 8 39.2	1.598	2.508	12.2	19.4
5 1	11 41.98	− 7 55.1	1.651	2.489	15.9	19.6

101576 1999 BM_2 3 23.3 87°.68 5°.4/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.22	+ 9 11.8	1.694	2.575	12.3	19.5
3 2	12 26.21	+11 6.2	1.651	2.590	8.8	19.4
3 12	12 19.34	+13 1.1	1.635	2.605	5.9	19.2
3 22	12 11.46	+14 46.1	1.646	2.620	5.8	19.2
4 1	12 3.59	+16 11.7	1.685	2.634	8.5	19.4
4 11	11 56.75	+17 12.1	1.749	2.649	11.8	19.6
4 21	11 51.66	+17 45.6	1.835	2.663	14.8	19.9
5 1	11 48.80	+17 53.3	1.939	2.677	17.3	20.1

62823 2000 UE_{49} 3 23.3 160°.59 1°.1/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.74	− 7 44.2	2.687	3.517	10.0	19.7
3 2	12 24.00	− 7 10.6	2.609	3.520	7.4	19.5
3 12	12 18.02	− 6 25.7	2.556	3.523	4.4	19.4
3 22	12 11.31	− 5 32.4	2.533	3.526	1.4	19.1
4 1	12 4.51	− 4 35.1	2.539	3.529	2.6	19.2
4 11	11 58.26	− 3 38.6	2.575	3.531	5.7	19.5
4 21	11 53.11	− 2 47.2	2.639	3.533	8.6	19.6
5 1	11 49.44	− 2 4.5	2.726	3.535	11.1	19.8

172436 2003 QE_{25} 3 23.3 301°.93 6°.5/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.42	−15 51.8	1.447	2.265	17.7	19.6
3 2	12 29.98	−16 34.6	1.363	2.254	14.2	19.3
3 12	12 21.82	−16 53.8	1.299	2.243	10.4	19.1
3 22	12 11.79	−16 48.0	1.259	2.233	7.2	18.9
4 1	12 1.19	−16 18.9	1.244	2.223	6.9	18.8
4 11	11 51.54	−15 33.2	1.253	2.213	10.0	19.0
4 21	11 44.06	−14 40.1	1.286	2.203	14.0	19.2
5 1	11 39.60	−13 49.2	1.339	2.193	17.9	19.4

198931 2005 UP_{242} 3 23.3 81°.45 0°.5/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.88	− 1 29.2	1.322	2.189	16.1	20.9
3 2	12 31.38	− 1 11.6	1.267	2.201	11.4	20.6
3 12	12 22.32	− 0 41.8	1.236	2.213	6.2	20.4
3 22	12 11.82	− 0 5.7	1.229	2.225	0.7	20.0
4 1	12 1.28	+ 0 29.5	1.249	2.238	5.1	20.4
4 11	11 52.14	+ 0 56.5	1.295	2.250	10.2	20.7
4 21	11 45.39	+ 1 10.5	1.363	2.262	14.7	21.0
5 1	11 41.59	+ 1 8.9	1.451	2.274	18.4	21.2

56460 2000 GE_{96} 3 23.3 281°.85 0°.1/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.53	− 2 51.4	1.458	2.320	15.1	18.7
3 2	12 30.03	− 2 30.2	1.366	2.297	11.0	18.4
3 12	12 21.86	− 1 54.2	1.297	2.273	6.1	18.0
3 22	12 11.80	− 1 7.9	1.253	2.249	0.7	17.6
4 1	12 1.12	− 0 18.5	1.236	2.225	4.9	17.8
4 11	11 51.25	+ 0 25.7	1.245	2.200	10.5	18.1
4 21	11 43.45	+ 0 57.7	1.276	2.176	15.5	18.3
5 1	11 38.56	+ 1 12.8	1.327	2.151	19.8	18.5

13274 Roygross 3 23.3 255°.67 2°.5/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.43	− 8 26.2	1.666	2.505	14.7	18.9
3 2	12 29.52	− 8 32.9	1.586	2.500	11.1	18.7
3 12	12 21.35	− 8 23.4	1.530	2.495	6.9	18.4
3 22	12 11.73	− 7 59.8	1.499	2.491	3.0	18.2
4 1	12 1.80	− 7 26.5	1.497	2.486	4.2	18.2
4 11	11 52.78	− 6 49.9	1.521	2.481	8.5	18.5
4 21	11 45.65	− 6 16.6	1.569	2.476	12.6	18.7
5 1	11 41.07	− 5 51.8	1.639	2.471	16.2	18.9

102905 1999 XV_{16} 3 23.3 148°.22 4°.9/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 37.41	+ 8 32.2	1.612	2.485	13.3	19.8
3 2	12 30.72	+ 9 47.5	1.559	2.495	9.5	19.6
3 12	12 21.86	+11 4.2	1.531	2.504	6.0	19.4
3 22	12 11.77	+12 13.0	1.531	2.512	5.1	19.3
4 1	12 1.67	+13 5.7	1.558	2.520	7.9	19.5
4 11	11 52.74	+13 36.7	1.612	2.526	11.6	19.8
4 21	11 45.86	+13 44.4	1.688	2.532	15.1	20.0
5 1	11 41.55	+13 30.0	1.782	2.538	18.0	20.2

368630 2004 VC_{24} 3 23.3 139°.19 3°.4/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.46	+ 7 3.4	2.268	3.137	10.2	21.0
3 2	12 26.04	+ 8 15.2	2.212	3.147	7.2	20.8
3 12	12 19.16	+ 9 29.1	2.183	3.157	4.3	20.7
3 22	12 11.46	+10 38.7	2.183	3.166	3.6	20.6
4 1	12 3.73	+11 37.9	2.212	3.175	5.8	20.8
4 11	11 56.75	+12 22.2	2.270	3.183	8.8	21.0
4 21	11 51.13	+12 49.3	2.352	3.191	11.6	21.2
5 1	11 47.29	+12 58.7	2.454	3.199	13.9	21.4

3995 Sakaino 3 23.3 158°.70 4°.8/18.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.89	+10 28.0	1.986	2.860	11.2	16.6
3 2	12 27.26	+11 40.0	1.929	2.864	8.1	16.4
3 12	12 19.90	+12 51.6	1.898	2.867	5.4	16.2
3 22	12 11.55	+13 55.3	1.895	2.870	5.0	16.2
4 1	12 3.13	+14 44.4	1.920	2.873	7.3	16.3
4 11	11 55.58	+15 14.4	1.972	2.876	10.4	16.5
4 21	11 49.62	+15 23.9	2.047	2.878	13.4	16.7
5 1	11 45.71	+15 13.3	2.141	2.880	15.9	16.9

124251 2001 QV_3 3 23.3 310°.93 0°.4/23.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.39	− 3 34.4	1.202	2.079	16.7	19.3
3 2	12 27.28	− 2 50.3	1.126	2.064	12.1	19.0
3 12	12 20.39	− 1 46.2	1.071	2.049	6.6	18.6
3 22	12 11.64	− 0 28.8	1.039	2.035	0.7	18.2
4 1	12 2.40	+ 0 51.4	1.032	2.022	5.6	18.4
4 11	11 54.24	+ 2 2.6	1.050	2.009	11.5	18.7
4 21	11 48.40	+ 2 55.8	1.088	1.996	16.8	19.0
5 1	11 45.69	+ 3 25.5	1.143	1.984	21.2	19.2

367667 2010 AP_{43} 3 23.3 19°.34 3°.6/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.24	−11 7.9	1.733	2.563	14.7	20.0
3 2	12 27.83	−11 23.5	1.660	2.566	11.2	19.7
3 12	12 20.35	−11 21.6	1.610	2.569	7.4	19.5
3 22	12 11.61	−11 3.6	1.586	2.572	4.1	19.3
4 1	12 2.67	−10 33.2	1.589	2.576	4.4	19.4
4 11	11 54.63	− 9 56.7	1.619	2.580	7.9	19.6
4 21	11 48.37	− 9 20.5	1.673	2.585	11.7	19.8
5 1	11 44.49	− 8 50.3	1.749	2.589	15.0	20.0

195570 2002 JF_{84} 3 23.3 229°.57 4°.1/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.43	+10 52.0	2.316	3.181	10.1	20.2
3 2	12 28.25	+11 36.2	2.240	3.171	7.3	20.0
3 12	12 20.43	+12 19.5	2.192	3.160	4.8	19.8
3 22	12 11.62	+12 56.3	2.172	3.149	4.3	19.8
4 1	12 2.66	+13 21.6	2.182	3.138	6.4	19.9
4 11	11 54.39	+13 31.7	2.219	3.126	9.3	20.0
4 21	11 47.52	+13 25.3	2.282	3.114	12.1	20.2
5 1	11 42.54	+13 2.7	2.364	3.101	14.6	20.3

124968 2001 TS_{105} 3 23.3 161°.23 3°.1/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.46	+ 4 59.4	1.682	2.550	13.2	19.5
3 2	12 30.74	+ 5 45.9	1.620	2.555	9.3	19.3
3 12	12 21.89	+ 6 36.8	1.583	2.559	5.2	19.1
3 22	12 11.80	+ 7 25.4	1.573	2.564	3.2	18.9
4 1	12 1.61	+ 8 4.3	1.592	2.567	6.2	19.1
4 11	11 52.51	+ 8 28.2	1.638	2.570	10.3	19.4
4 21	11 45.36	+ 8 34.5	1.707	2.573	14.0	19.6
5 1	11 40.72	+ 8 22.8	1.797	2.574	17.1	19.8

387361 2012 XO_{53} 3 23.3 184°.88 2°.0/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.37	−10 10.1	2.594	3.412	10.7	21.5
3 2	12 25.24	− 9 53.2	2.510	3.412	8.0	21.3
3 12	12 18.74	− 9 23.4	2.452	3.412	5.1	21.1
3 22	12 11.43	− 8 43.1	2.422	3.411	2.4	21.0
4 1	12 3.98	− 7 55.9	2.422	3.410	2.9	21.0
4 11	11 57.10	− 7 6.6	2.451	3.409	5.8	21.2
4 21	11 51.39	− 6 19.7	2.508	3.408	8.8	21.4
5 1	11 47.27	− 5 39.3	2.589	3.406	11.4	21.5

69562 1997 YU_6 3 23.3 7°.82 5°.2/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.84	+ 7 42.3	1.367	2.253	14.3	18.5
3 2	12 27.84	+ 9 3.2	1.311	2.254	10.2	18.2
3 12	12 20.45	+10 27.9	1.278	2.254	6.4	18.0
3 22	12 11.63	+11 45.6	1.271	2.254	5.5	17.9
4 1	12 2.69	+12 46.1	1.290	2.255	8.7	18.1
4 11	11 54.93	+13 22.3	1.332	2.256	12.8	18.3
4 21	11 49.33	+13 31.9	1.396	2.257	16.7	18.6
5 1	11 46.46	+13 15.7	1.476	2.259	20.0	18.8

234012 1997 *LF* 3 23.3 234°.43 1°.5/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.01	− 1 3.2	1.751	2.611	13.1	21.4
3 2	12 28.45	+ 0 3.4	1.666	2.598	9.3	21.1
3 12	12 20.76	+ 1 23.5	1.606	2.584	5.0	20.8
3 22	12 11.68	+ 2 50.3	1.574	2.569	1.5	20.5
4 1	12 2.27	+ 4 15.2	1.570	2.553	5.2	20.7
4 11	11 53.65	+ 5 29.4	1.595	2.537	9.7	21.0
4 21	11 46.76	+ 6 26.6	1.643	2.520	13.9	21.2
5 1	11 42.25	+ 7 3.3	1.712	2.502	17.4	21.4

386200 2007 VE_{263} 3 23.3 110°.76 2°.9/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.51	−13 8.4	2.413	3.220	11.7	21.2
3 2	12 25.37	−12 52.3	2.340	3.232	9.0	21.0
3 12	12 18.81	−12 20.6	2.292	3.244	6.0	20.8
3 22	12 11.44	−11 35.6	2.272	3.255	3.4	20.7
4 1	12 3.99	−10 41.3	2.280	3.266	3.4	20.7
4 11	11 57.23	− 9 43.1	2.318	3.277	6.1	20.9
4 21	11 51.74	− 8 46.5	2.383	3.288	9.0	21.1
5 1	11 47.96	− 7 56.0	2.472	3.298	11.6	21.3

126841 2002 ED_{66} 3 23.3 178°.38 0°.3/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.36	− 5 35.2	2.093	2.939	11.9	19.9
3 2	12 25.46	− 4 41.4	2.017	2.940	8.5	19.7
3 12	12 18.94	− 3 33.9	1.967	2.940	4.8	19.4
3 22	12 11.46	− 2 17.6	1.945	2.940	0.7	19.1
4 1	12 3.84	− 0 59.1	1.952	2.941	3.4	19.3
4 11	11 56.95	+ 0 14.7	1.988	2.940	7.4	19.6
4 21	11 51.47	+ 1 17.9	2.049	2.940	10.9	19.8
5 1	11 47.88	+ 2 6.7	2.134	2.939	13.9	20.0

457176 2008 GF_{100} 3 23.3 348°.42 4°.6/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.51	+ 8 12.9	1.263	2.151	15.2	20.3
3 2	12 29.26	+ 8 39.6	1.200	2.143	10.9	20.0
3 12	12 21.34	+ 9 7.1	1.159	2.137	6.6	19.8
3 22	12 11.75	+ 9 27.5	1.143	2.131	4.7	19.6
4 1	12 1.94	+ 9 33.1	1.151	2.126	8.0	19.8
4 11	11 53.39	+ 9 19.0	1.183	2.123	12.6	20.0
4 21	11 47.20	+ 8 44.1	1.236	2.120	17.0	20.3
5 1	11 44.02	+ 7 49.7	1.307	2.119	20.6	20.5

265687 2005 UW_{101} 3 23.3 210°.12 1°.8/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.70	+ 2 0.2	2.187	3.046	10.9	21.8
3 2	12 27.09	+ 2 52.6	2.108	3.040	7.6	21.6
3 12	12 19.84	+ 3 52.0	2.056	3.034	4.1	21.3
3 22	12 11.57	+ 4 53.0	2.033	3.027	1.9	21.2
4 1	12 3.13	+ 5 49.5	2.040	3.019	4.7	21.4
4 11	11 55.38	+ 6 35.9	2.075	3.011	8.3	21.6
4 21	11 49.03	+ 7 8.6	2.136	3.002	11.6	21.7
5 1	11 44.58	+ 7 25.5	2.218	2.992	14.4	21.9

57623 2001 TB_{153} 3 23.3 30°.38 4°.1/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.95	+ 8 10.1	1.871	2.749	11.5	18.2
3 2	12 25.23	+ 9 12.1	1.818	2.757	8.1	18.0
3 12	12 18.81	+10 15.3	1.791	2.765	5.0	17.8
3 22	12 11.45	+11 12.6	1.791	2.773	4.3	17.8
4 1	12 4.06	+11 57.4	1.818	2.782	6.7	17.9
4 11	11 57.55	+12 25.0	1.872	2.791	10.0	18.1
4 21	11 52.61	+12 33.5	1.949	2.801	13.1	18.4
5 1	11 49.70	+12 23.1	2.045	2.811	15.7	18.6

456832 2007 TA_{434} 3 23.3 140°.47 1°.2/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.39	− 7 0.0	1.872	2.709	13.4	22.7
3 2	12 29.12	− 6 32.9	1.805	2.721	9.8	22.5
3 12	12 20.95	− 5 51.0	1.762	2.731	5.7	22.3
3 22	12 11.70	− 4 58.5	1.747	2.741	1.7	22.0
4 1	12 2.37	− 4 1.2	1.761	2.751	3.6	22.2
4 11	11 53.98	− 3 5.9	1.804	2.760	7.7	22.4
4 21	11 47.31	− 2 18.6	1.872	2.768	11.5	22.7
5 1	11 42.88	− 1 43.3	1.962	2.776	14.6	22.9

500647 2012 VD_{9} 3 23.3 43°.40 6°.2/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.75	+16 48.8	1.981	2.850	11.4	20.3
3 2	12 29.19	+17 24.2	1.935	2.860	8.7	20.1
3 12	12 20.89	+17 51.8	1.914	2.871	6.6	20.0
3 22	12 11.69	+18 5.8	1.920	2.882	6.4	20.0
4 1	12 2.56	+18 1.7	1.954	2.893	8.3	20.1
4 11	11 54.48	+17 38.1	2.014	2.904	10.9	20.3
4 21	11 48.13	+16 56.0	2.097	2.916	13.5	20.5
5 1	11 43.93	+15 57.6	2.200	2.928	15.8	20.7

363459 2003 SZ_{227} 3 23.3 218°.77 0°.7/23.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.16	− 5 8.0	1.917	2.759	12.9	22.0
3 2	12 29.10	− 4 42.8	1.831	2.751	9.4	21.7
3 12	12 21.05	− 4 4.2	1.770	2.742	5.4	21.5
3 22	12 11.73	− 3 16.0	1.737	2.733	1.1	21.1
4 1	12 2.13	− 2 23.8	1.734	2.723	3.7	21.3
4 11	11 53.29	− 1 34.2	1.758	2.712	8.1	21.6
4 21	11 46.09	− 0 52.7	1.808	2.701	12.0	21.8
5 1	11 41.14	− 0 23.6	1.880	2.689	15.4	22.0

274376 2008 RF_{86} 3 23.3 340°.51 5°.2/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 28.23	−17 10.6	1.595	2.411	16.4	20.4
3 2	12 24.52	−16 59.4	1.512	2.403	13.1	20.2
3 12	12 18.67	−16 21.0	1.450	2.396	9.4	19.9
3 22	12 11.46	−15 16.9	1.412	2.389	6.1	19.7
4 1	12 3.94	−13 52.2	1.399	2.383	5.5	19.7
4 11	11 57.29	−12 16.3	1.412	2.377	8.5	19.8
4 21	11 52.44	−10 39.7	1.450	2.373	12.3	20.0
5 1	11 50.04	− 9 11.8	1.509	2.369	16.0	20.2

83750 2001 TS_{137} 3 23.3 247°.79 5°.5/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.82	+14 44.8	2.288	3.160	9.9	19.5
3 2	12 25.71	+15 55.7	2.225	3.154	7.5	19.4
3 12	12 19.05	+17 3.3	2.189	3.147	5.7	19.2
3 22	12 11.49	+18 0.8	2.180	3.140	5.8	19.2
4 1	12 3.81	+18 42.6	2.200	3.134	7.8	19.3
4 11	11 56.82	+19 5.0	2.245	3.127	10.3	19.5
4 21	11 51.19	+19 7.0	2.314	3.120	12.8	19.6
5 1	11 47.37	+18 49.4	2.402	3.112	15.0	19.8

497344 2005 UY_{104} 3 23.3 219°.92 1°.1/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.72	− 7 35.1	2.161	2.995	12.0	22.4
3 2	12 26.47	− 6 55.2	2.073	2.987	8.8	22.2
3 12	12 19.54	− 6 0.4	2.010	2.979	5.2	21.9
3 22	12 11.55	− 4 54.6	1.975	2.970	1.5	21.6
4 1	12 3.35	− 3 43.2	1.970	2.960	3.3	21.8
4 11	11 55.80	− 2 33.1	1.994	2.950	7.1	22.0
4 21	11 49.64	− 1 30.3	2.045	2.939	10.7	22.2
5 1	11 45.40	− 0 39.4	2.118	2.928	13.8	22.4

433751 2015 AD_{279} 3 23.3 138°.37 2°.5/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.45	− 9 47.6	2.243	3.061	12.2	21.5
3 2	12 28.97	− 9 53.8	2.170	3.071	9.2	21.3
3 12	12 20.82	− 9 46.8	2.121	3.080	5.8	21.1
3 22	12 11.70	− 9 28.1	2.101	3.089	2.9	21.0
4 1	12 2.47	− 9 1.2	2.110	3.097	3.5	21.0
4 11	11 54.00	− 8 30.7	2.149	3.105	6.6	21.2
4 21	11 47.00	− 8 1.3	2.214	3.113	9.8	21.4
5 1	11 41.97	− 7 37.3	2.303	3.120	12.6	21.6

318735 2005 RE_{44} 3 23.3 78°.38 5°.7/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.77	− 7 34.7	1.034	1.880	21.2	20.2
3 2	12 42.32	− 9 22.8	0.973	1.888	16.2	19.9
3 12	12 28.82	−10 55.9	0.933	1.896	10.6	19.6
3 22	12 12.69	−12 8.8	0.918	1.904	6.1	19.4
4 1	11 56.13	−12 59.4	0.928	1.913	7.3	19.5
4 11	11 41.53	−13 31.6	0.964	1.921	12.4	19.8
4 21	11 30.56	−13 52.4	1.021	1.930	17.6	20.1
5 1	11 24.03	−14 10.3	1.096	1.938	21.9	20.4

54847 2001 OM_{5} 3 23.3 50°.54 0°.9/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.11	− 8 44.9	1.514	2.367	15.2	17.4
3 2	12 24.97	− 7 26.7	1.453	2.377	11.1	17.2
3 12	12 18.81	− 5 46.5	1.415	2.388	6.3	16.9
3 22	12 11.48	− 3 51.8	1.403	2.398	1.5	16.6
4 1	12 4.08	− 1 53.2	1.419	2.409	4.1	16.8
4 11	11 57.72	− 0 2.5	1.461	2.421	8.8	17.1
4 21	11 53.21	+ 1 31.6	1.528	2.432	13.1	17.4
5 1	11 51.05	+ 2 43.5	1.616	2.444	16.6	17.7

503149 2015 GR_{25} 3 23.3 66°.99 7°.9/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.34	+22 51.8	2.154	3.018	10.8	20.5
3 2	12 26.80	+24 8.3	2.115	3.025	8.9	20.4
3 12	12 19.62	+25 13.4	2.102	3.031	8.0	20.4
3 22	12 11.57	+26 0.1	2.115	3.038	8.5	20.4
4 1	12 3.54	+26 23.6	2.153	3.045	10.1	20.5
4 11	11 56.41	+26 22.0	2.216	3.052	12.2	20.7
4 21	11 50.84	+25 56.6	2.299	3.059	14.2	20.8
5 1	11 47.27	+25 10.4	2.400	3.066	16.0	21.0

139577 2001 QP_{93} 3 23.3 147°.57 4°.4/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.78	+14 38.4	2.798	3.660	8.7	19.4
3 2	12 26.76	+15 24.0	2.744	3.668	6.5	19.3
3 12	12 19.49	+16 5.7	2.718	3.677	4.7	19.2
3 22	12 11.56	+16 38.9	2.721	3.685	4.6	19.2
4 1	12 3.62	+16 59.7	2.754	3.692	6.2	19.3
4 11	11 56.35	+17 5.8	2.815	3.699	8.4	19.5
4 21	11 50.27	+16 57.0	2.900	3.706	10.5	19.6
5 1	11 45.75	+16 33.7	3.007	3.712	12.4	19.8

234419 2001 RQ_{85} 3 23.3 242°.69 0°.4/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.35	− 4 17.8	1.656	2.507	14.2	21.6
3 2	12 30.29	− 3 53.3	1.568	2.493	10.4	21.3
3 12	12 21.87	− 3 14.1	1.504	2.478	5.8	21.0
3 22	12 11.87	− 2 24.6	1.467	2.463	1.0	20.6
4 1	12 1.44	− 1 31.0	1.458	2.447	4.3	20.8
4 11	11 51.85	− 0 41.0	1.476	2.430	9.2	21.1
4 21	11 44.14	− 0 1.2	1.518	2.413	13.7	21.3
5 1	11 39.04	+ 0 23.9	1.581	2.395	17.6	21.5

218007 2001 XZ_{127} 3 23.3 178°.66 0°.3/23.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.72	− 4 51.2	2.392	3.230	10.8	22.1
3 2	12 26.97	− 4 13.2	2.314	3.232	7.8	21.9
3 12	12 19.73	− 3 24.3	2.262	3.234	4.4	21.7
3 22	12 11.60	− 2 28.3	2.239	3.235	0.7	21.4
4 1	12 3.34	− 1 30.3	2.246	3.235	3.1	21.6
4 11	11 55.75	− 0 35.7	2.283	3.234	6.7	21.8
4 21	11 49.45	+ 0 11.0	2.347	3.233	9.9	22.0
5 1	11 44.92	+ 0 46.5	2.435	3.231	12.6	22.2

363369 2002 TU_{53} 3 23.3 189°.82 3°.1/27.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.01	−14 49.0	2.534	3.327	11.7	22.0
3 2	12 27.19	−14 20.4	2.443	3.325	9.1	21.9
3 12	12 19.86	−13 34.6	2.377	3.323	6.2	21.7
3 22	12 11.62	−12 33.7	2.339	3.320	3.6	21.5
4 1	12 3.22	−11 21.7	2.332	3.316	3.5	21.5
4 11	11 55.43	−10 4.6	2.354	3.311	6.1	21.6
4 21	11 48.89	− 8 48.4	2.405	3.305	9.1	21.8
5 1	11 44.10	− 7 38.7	2.481	3.299	11.8	22.0

87447 2000 QR_{116} 3 23.3 256°.20 2°.1/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.81	+ 3 7.0	2.206	3.065	10.8	20.2
3 2	12 28.02	+ 3 54.1	2.110	3.042	7.6	20.0
3 12	12 20.45	+ 4 47.8	2.041	3.018	4.2	19.7
3 22	12 11.71	+ 5 42.9	2.002	2.994	2.2	19.5
4 1	12 2.62	+ 6 33.4	1.991	2.968	4.9	19.7
4 11	11 54.11	+ 7 13.9	2.010	2.942	8.6	19.9
4 21	11 46.97	+ 7 40.4	2.053	2.916	12.1	20.0
5 1	11 41.78	+ 7 50.9	2.119	2.888	15.1	20.2

36962 2000 SM_{280} 3 23.3 79°.64 2°.4/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.63	−10 31.1	1.816	2.648	14.0	19.0
3 2	12 26.54	−10 6.8	1.748	2.658	10.5	18.8
3 12	12 19.60	− 9 24.3	1.704	2.667	6.6	18.6
3 22	12 11.59	− 8 27.1	1.687	2.677	3.0	18.4
4 1	12 3.48	− 7 21.1	1.697	2.687	3.7	18.4
4 11	11 56.27	− 6 14.0	1.735	2.696	7.5	18.7
4 21	11 50.72	− 5 12.5	1.798	2.706	11.2	18.9
5 1	11 47.35	− 4 22.3	1.883	2.715	14.4	19.2

42845 1999 RV_{16} 3 23.3 162°.56 0°.6/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.28	− 5 38.1	1.977	2.818	12.6	19.8
3 2	12 28.31	− 5 0.1	1.904	2.824	9.1	19.6
3 12	12 20.54	− 4 8.5	1.857	2.829	5.2	19.3
3 22	12 11.70	− 3 8.0	1.839	2.834	1.0	19.0
4 1	12 2.75	− 2 4.4	1.849	2.838	3.5	19.2
4 11	11 54.64	− 1 4.7	1.888	2.842	7.6	19.5
4 21	11 48.13	− 0 14.4	1.953	2.844	11.3	19.7
5 1	11 43.73	+ 0 22.7	2.041	2.847	14.4	19.9

420175 2011 GZ_{35} 3 23.3 53°.83 3°.9/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.58	−13 10.7	1.644	2.470	15.5	21.3
3 2	12 27.32	−13 6.7	1.586	2.487	11.9	21.1
3 12	12 20.05	−12 41.4	1.549	2.505	8.0	20.9
3 22	12 11.64	−11 57.6	1.538	2.523	4.5	20.7
4 1	12 3.19	−11 0.7	1.554	2.541	4.5	20.8
4 11	11 55.80	− 9 58.6	1.596	2.559	7.9	21.0
4 21	11 50.28	− 8 59.0	1.664	2.578	11.6	21.3
5 1	11 47.13	− 8 8.5	1.753	2.596	14.8	21.5

458902 2011 UA_{204} 3 23.3 116°.58 0°.2/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.15	− 4 37.7	1.707	2.557	13.9	22.3
3 2	12 29.02	− 3 53.1	1.649	2.574	9.9	22.1
3 12	12 20.92	− 2 54.5	1.616	2.590	5.5	21.9
3 22	12 11.74	− 1 47.8	1.609	2.606	0.7	21.5
4 1	12 2.55	− 0 40.3	1.632	2.620	4.0	21.8
4 11	11 54.43	+ 0 20.5	1.682	2.635	8.4	22.1
4 21	11 48.15	+ 1 8.8	1.757	2.649	12.3	22.4
5 1	11 44.23	+ 1 41.3	1.853	2.662	15.6	22.6

278444 2007 SJ_4 3 23.3 244°.57 2°.5/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.11	+ 5 23.4	2.362	3.224	10.1	21.5
3 2	12 27.36	+ 6 4.3	2.276	3.208	7.1	21.2
3 12	12 20.00	+ 6 48.8	2.217	3.192	4.1	21.0
3 22	12 11.65	+ 7 32.1	2.186	3.176	2.6	20.9
4 1	12 3.07	+ 8 8.9	2.186	3.159	5.0	21.0
4 11	11 55.09	+ 8 34.9	2.214	3.141	8.3	21.2
4 21	11 48.40	+ 8 47.5	2.268	3.124	11.4	21.4
5 1	11 43.52	+ 8 45.3	2.344	3.105	14.0	21.5

410118 2007 FU_9 3 23.3 40°.90 4°.2/27.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.93	−14 20.1	1.255	2.094	18.6	20.6
3 2	12 27.08	−13 52.3	1.217	2.125	14.2	20.4
3 12	12 19.93	−12 56.5	1.199	2.158	9.3	20.2
3 22	12 11.62	−11 38.1	1.205	2.191	5.0	20.0
4 1	12 3.49	−10 6.7	1.236	2.225	5.0	20.1
4 11	11 56.81	− 8 34.2	1.292	2.259	8.8	20.4
4 21	11 52.39	− 7 10.9	1.372	2.294	12.9	20.7
5 1	11 50.63	− 6 3.8	1.472	2.328	16.5	21.1

79846 1998 XS_2 3 23.3 140°.12 5°.7/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 38.55	+14 12.9	1.897	2.764	11.9	18.6
3 2	12 31.30	+14 57.3	1.844	2.772	8.9	18.4
3 12	12 22.12	+15 36.4	1.817	2.779	6.3	18.3
3 22	12 11.89	+16 3.5	1.818	2.787	5.9	18.3
4 1	12 1.68	+16 13.1	1.846	2.793	8.0	18.4
4 11	11 52.56	+16 2.9	1.901	2.800	11.0	18.6
4 21	11 45.30	+15 33.1	1.980	2.806	14.0	18.8
5 1	11 40.37	+14 45.9	2.078	2.811	16.4	19.0

412190 2013 GS_{100} 3 23.3 306°.06 3°.8/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.40	+ 3 47.5	1.346	2.231	14.6	20.5
3 2	12 27.06	+ 5 0.9	1.272	2.215	10.4	20.2
3 12	12 20.20	+ 6 25.1	1.220	2.200	5.9	19.9
3 22	12 11.69	+ 7 50.4	1.194	2.184	3.9	19.7
4 1	12 2.79	+ 9 5.6	1.193	2.169	7.6	19.9
4 11	11 54.88	+10 1.0	1.217	2.155	12.5	20.1
4 21	11 49.09	+10 31.2	1.261	2.141	17.0	20.4
5 1	11 46.12	+10 34.6	1.323	2.127	20.9	20.6

209423 2004 FB_{40} 3 23.3 273°.18 1°.7/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.51	− 7 5.9	2.272	3.103	11.6	20.7
3 2	12 27.75	− 7 12.3	2.179	3.090	8.6	20.4
3 12	12 20.27	− 7 7.7	2.110	3.076	5.3	20.2
3 22	12 11.69	− 6 53.7	2.070	3.062	2.1	20.0
4 1	12 2.82	− 6 33.5	2.059	3.048	3.3	20.0
4 11	11 54.54	− 6 11.2	2.077	3.034	6.8	20.2
4 21	11 47.59	− 5 51.2	2.122	3.020	10.2	20.4
5 1	11 42.56	− 5 37.2	2.190	3.006	13.2	20.6

297393 2000 QK_{109} 3 23.3 204°.39 0°.4/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.79	− 2 2.5	2.588	3.437	9.8	22.0
3 2	12 24.83	− 1 24.6	2.508	3.433	6.9	21.8
3 12	12 18.55	− 0 38.6	2.454	3.430	3.7	21.6
3 22	12 11.48	+ 0 11.9	2.430	3.426	0.5	21.3
4 1	12 4.28	+ 1 2.2	2.436	3.422	3.2	21.5
4 11	11 57.64	+ 1 47.6	2.471	3.418	6.5	21.7
4 21	11 52.13	+ 2 24.6	2.533	3.413	9.4	21.9
5 1	11 48.19	+ 2 50.4	2.618	3.409	12.0	22.1

148594 2001 RX_{29} 3 23.3 120°.19 1°.6/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.45	− 7 28.6	2.033	2.864	12.7	21.1
3 2	12 29.03	− 7 16.2	1.968	2.880	9.4	20.9
3 12	12 20.88	− 6 50.4	1.929	2.895	5.6	20.7
3 22	12 11.76	− 6 14.5	1.917	2.910	2.0	20.5
4 1	12 2.59	− 5 33.0	1.935	2.925	3.4	20.6
4 11	11 54.32	− 4 51.7	1.982	2.938	7.1	20.8
4 21	11 47.66	− 4 15.5	2.055	2.952	10.6	21.1
5 1	11 43.09	− 3 48.5	2.151	2.965	13.5	21.3

314189 2005 JV_{70} 3 23.3 305°.73 3°.3/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.62	+ 3 18.2	1.408	2.290	14.3	20.6
3 2	12 27.23	+ 4 19.9	1.325	2.267	10.2	20.2
3 12	12 20.33	+ 5 32.7	1.265	2.244	5.7	19.9
3 22	12 11.73	+ 6 47.9	1.230	2.221	3.4	19.7
4 1	12 2.63	+ 7 55.5	1.221	2.199	7.1	19.9
4 11	11 54.41	+ 8 46.0	1.236	2.177	12.1	20.1
4 21	11 48.21	+ 9 13.7	1.273	2.155	16.7	20.3
5 1	11 44.80	+ 9 16.5	1.328	2.134	20.7	20.5

202426 2005 WP_{151} 3 23.3 154°.29 2°.9/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.47	+ 3 59.2	1.711	2.576	13.1	21.0
3 2	12 30.73	+ 4 52.6	1.650	2.585	9.2	20.8
3 12	12 21.91	+ 5 51.7	1.615	2.592	5.1	20.5
3 22	12 11.89	+ 6 49.2	1.608	2.599	2.9	20.4
4 1	12 1.81	+ 7 37.9	1.630	2.606	6.0	20.6
4 11	11 52.81	+ 8 11.8	1.678	2.611	10.0	20.9
4 21	11 45.73	+ 8 27.9	1.751	2.616	13.7	21.1
5 1	11 41.11	+ 8 25.5	1.844	2.620	16.8	21.3

156467 2002 CK_{21} 3 23.3 355°.89 1°.5/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.49	− 6 48.9	1.715	2.562	14.0	20.1
3 2	12 27.33	− 6 36.3	1.641	2.561	10.3	19.9
3 12	12 20.13	− 6 8.5	1.590	2.560	6.1	19.6
3 22	12 11.69	− 5 28.9	1.566	2.560	2.0	19.4
4 1	12 3.04	− 4 43.1	1.569	2.560	3.8	19.5
4 11	11 55.28	− 3 57.8	1.599	2.560	8.1	19.7
4 21	11 49.27	− 3 19.1	1.654	2.560	12.2	20.0
5 1	11 45.59	− 2 51.8	1.730	2.560	15.6	20.2

147242 2002 XJ_{63} 3 23.3 196°.99 0°.7/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.13	− 1 10.7	1.993	2.847	12.0	20.4
3 2	12 28.25	− 0 35.3	1.916	2.844	8.5	20.2
3 12	12 20.56	+ 0 9.6	1.865	2.842	4.6	19.9
3 22	12 11.76	+ 0 59.3	1.843	2.839	0.8	19.6
4 1	12 2.77	+ 1 47.9	1.849	2.835	4.1	19.9
4 11	11 54.58	+ 2 29.5	1.884	2.831	8.1	20.1
4 21	11 47.95	+ 2 59.9	1.944	2.827	11.8	20.3
5 1	11 43.42	+ 3 16.3	2.026	2.822	14.9	20.5

456909 2007 VQ_{319} 3 23.3 73°.19 1°.4/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.27	− 0 31.1	1.456	2.326	14.7	21.7
3 2	12 28.65	+ 0 15.9	1.404	2.339	10.3	21.4
3 12	12 20.83	+ 1 14.1	1.375	2.353	5.5	21.2
3 22	12 11.78	+ 2 16.1	1.372	2.367	1.4	20.9
4 1	12 2.73	+ 3 13.7	1.396	2.381	5.2	21.2
4 11	11 54.88	+ 3 59.2	1.445	2.395	9.9	21.5
4 21	11 49.10	+ 4 28.1	1.518	2.409	14.0	21.8
5 1	11 45.91	+ 4 38.3	1.611	2.422	17.4	22.1

55325 2001 SL_{106} 3 23.3 96°.68 1°.0/24.4 18

2 21	12 32.53	− 5 31.6	2.292	3.130	11.3	19.0
3 2	12 26.88	− 5 24.2	2.222	3.139	8.2	18.8
3 12	12 19.70	− 5 6.4	2.177	3.147	4.7	18.6
3 22	12 11.66	− 4 41.1	2.161	3.155	1.4	18.4
4 1	12 3.53	− 4 12.2	2.174	3.164	3.0	18.5
4 11	11 56.11	− 3 44.1	2.216	3.172	6.5	18.7
4 21	11 50.05	− 3 20.6	2.284	3.180	9.7	18.9
5 1	11 45.80	− 3 5.1	2.376	3.188	12.5	19.1

379853 2012 FO_{32} 3 23.3 265°.36 2°.4/20.4 17

2 21	12 31.35	+ 1 4.8	2.057	2.919	11.3	20.9
3 2	12 26.43	+ 2 40.0	1.959	2.893	8.0	20.6
3 12	12 19.67	+ 4 28.0	1.887	2.865	4.4	20.4
3 22	12 11.68	+ 6 21.4	1.846	2.837	2.5	20.2
4 1	12 3.29	+ 8 11.1	1.834	2.808	5.6	20.3
4 11	11 55.46	+ 9 48.5	1.851	2.779	9.6	20.5
4 21	11 49.01	+11 7.0	1.894	2.749	13.3	20.7
5 1	11 44.58	+12 3.2	1.957	2.718	16.5	20.8

23658 1997 CC_{28} 3 23.3 50°.71 1°.7/21.9 18

2 21	12 33.19	+ 0 2.7	1.349	2.225	15.2	19.0
3 2	12 28.02	+ 0 53.4	1.298	2.237	10.7	18.8
3 12	12 20.54	+ 1 55.4	1.270	2.250	5.7	18.5
3 22	12 11.76	+ 3 0.8	1.267	2.263	1.7	18.3
4 1	12 2.97	+ 4 0.3	1.291	2.276	5.7	18.6
4 11	11 55.44	+ 4 45.9	1.339	2.289	10.5	18.9
4 21	11 50.06	+ 5 13.1	1.410	2.303	14.7	19.2
5 1	11 47.35	+ 5 20.1	1.500	2.317	18.2	19.4

59927 1999 RP_{173} 3 23.3 309°.64 0°.3/23.1 18

2 21	12 35.11	− 0 4.6	2.166	3.017	11.3	18.5
3 2	12 28.89	− 0 11.5	2.081	3.007	8.1	18.2
3 12	12 20.91	− 0 12.6	2.022	2.997	4.4	18.0
3 22	12 11.82	− 0 10.7	1.992	2.988	0.5	17.7
4 1	12 2.49	− 0 9.0	1.991	2.979	3.6	17.9
4 11	11 53.86	− 0 11.2	2.019	2.969	7.5	18.1
4 21	11 46.68	− 0 19.8	2.074	2.960	11.0	18.3
5 1	11 41.50	− 0 36.8	2.151	2.952	13.9	18.5

105927 2000 SV_{218} 3 23.3 95°.45 4°.8/17.5 18

2 21	12 31.16	+13 33.2	2.378	3.248	9.7	19.4
3 2	12 25.82	+14 30.8	2.327	3.257	7.1	19.2
3 12	12 19.09	+15 25.1	2.303	3.265	5.2	19.1
3 22	12 11.58	+16 10.3	2.307	3.273	5.1	19.1
4 1	12 4.07	+16 41.5	2.340	3.282	6.9	19.2
4 11	11 57.30	+16 55.8	2.399	3.290	9.4	19.4
4 21	11 51.85	+16 52.5	2.482	3.298	11.8	19.6
5 1	11 48.12	+16 32.5	2.585	3.306	13.8	19.8

239257 2006 YN_{1} 3 23.3 186°.22 4°.2/17.7 18

2 21	12 30.92	+12 58.8	2.707	3.574	8.8	20.7
3 2	12 25.57	+13 51.2	2.645	3.574	6.5	20.6
3 12	12 18.93	+14 41.2	2.610	3.573	4.6	20.4
3 22	12 11.57	+15 23.9	2.604	3.572	4.4	20.4
4 1	12 4.14	+15 54.9	2.628	3.571	6.1	20.5
4 11	11 57.32	+16 11.3	2.678	3.570	8.5	20.7
4 21	11 51.65	+16 12.1	2.754	3.568	10.8	20.8
5 1	11 47.54	+15 57.5	2.850	3.567	12.8	21.0

272473 2005 UZ_{79} 3 23.3 127°.20 0°.3/22.9 18

2 21	12 32.46	− 3 12.2	2.095	2.944	11.7	21.8
3 2	12 26.89	− 2 22.9	2.032	2.957	8.3	21.6
3 12	12 19.72	− 1 22.8	1.995	2.970	4.5	21.4
3 22	12 11.66	− 0 17.2	1.986	2.982	0.5	21.1
4 1	12 3.57	+ 0 47.8	2.007	2.994	3.7	21.3
4 11	11 56.29	+ 1 46.0	2.057	3.006	7.4	21.6
4 21	11 50.48	+ 2 32.9	2.133	3.017	10.8	21.8
5 1	11 46.60	+ 3 5.5	2.231	3.027	13.6	22.0

243796 2000 SW_{109} 3 23.3 207°.26 0°.8/24.1 18

2 21	12 33.80	− 6 49.1	1.931	2.770	13.0	20.9
3 2	12 28.14	− 6 2.1	1.847	2.764	9.5	20.7
3 12	12 20.56	− 4 58.9	1.787	2.758	5.5	20.4
3 22	12 11.79	− 3 44.1	1.756	2.751	1.3	20.1
4 1	12 2.76	− 2 24.4	1.754	2.743	3.6	20.3
4 11	11 54.51	− 1 7.8	1.780	2.735	7.9	20.5
4 21	11 47.85	− 0 0.9	1.833	2.725	11.9	20.7
5 1	11 43.37	+ 0 51.2	1.907	2.715	15.2	20.9

15269 1990 XF 3 23.3 22°.31 9°.4/30.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.05	−21 22.4	1.252	2.058	20.6	15.2
3 2	12 28.41	−22 27.0	1.194	2.068	17.1	15.0
3 12	12 21.00	−22 59.5	1.154	2.078	13.5	14.8
3 22	12 11.85	−22 57.1	1.134	2.090	10.5	14.6
4 1	12 2.44	−22 22.0	1.137	2.103	9.5	14.6
4 11	11 54.35	−21 22.8	1.163	2.118	11.2	14.8
4 21	11 48.73	−20 11.0	1.211	2.133	14.3	15.0
5 1	11 46.25	−18 58.5	1.278	2.149	17.6	15.2

496983 2002 RS_{79} 3 23.3 217°.76 0°.5/22.6 18

2 21	12 30.05	− 2 3.6	2.856	3.700	9.1	22.9
3 2	12 24.97	− 1 10.8	2.766	3.690	6.4	22.7
3 12	12 18.65	− 0 9.7	2.703	3.679	3.4	22.5
3 22	12 11.55	+ 0 56.0	2.671	3.667	0.6	22.3
4 1	12 4.30	+ 2 1.4	2.669	3.654	3.1	22.5
4 11	11 57.52	+ 3 1.8	2.698	3.641	6.2	22.6
4 21	11 51.76	+ 3 53.3	2.755	3.627	9.1	22.8
5 1	11 47.43	+ 4 33.1	2.835	3.613	11.5	23.0

178946 2001 QV_{123} 3 23.3 253°.47 2°.1/21.5 17

2 21	12 33.77	+ 2 12.6	1.799	2.665	12.5	20.2
3 2	12 28.23	+ 2 55.8	1.720	2.655	8.8	20.0
3 12	12 20.66	+ 3 46.8	1.666	2.644	4.8	19.7
3 22	12 11.81	+ 4 39.7	1.640	2.633	2.1	19.5
4 1	12 2.70	+ 5 27.5	1.642	2.622	5.3	19.7
4 11	11 54.40	+ 6 4.1	1.671	2.611	9.5	19.9
4 21	11 47.79	+ 6 25.3	1.724	2.600	13.4	20.1
5 1	11 43.48	+ 6 29.1	1.797	2.588	16.6	20.3

416630 2004 RF_{305} 3 23.3 81°.61 2°.4/25.6 17 R

2 21	12 32.77	− 9 35.1	1.832	2.666	13.8	21.2
3 2	12 27.42	− 9 25.6	1.759	2.670	10.4	21.0
3 12	12 20.16	− 8 59.4	1.710	2.673	6.5	20.8
3 22	12 11.74	− 8 19.4	1.687	2.677	2.9	20.6
4 1	12 3.16	− 7 30.5	1.691	2.681	3.8	20.6
4 11	11 55.44	− 6 39.3	1.724	2.685	7.6	20.9
4 21	11 49.38	− 5 52.3	1.781	2.688	11.3	21.1
5 1	11 45.55	− 5 14.6	1.861	2.692	14.6	21.3

276918 2004 TB_{72} 3 23.3 107°.25 0°.4/22.9 17

2 21	12 32.37	− 2 19.8	1.911	2.766	12.4	21.8
3 2	12 27.01	− 1 44.9	1.843	2.772	8.8	21.5
3 12	12 19.87	− 0 59.5	1.801	2.778	4.8	21.3
3 22	12 11.71	− 0 8.4	1.787	2.783	0.6	21.0
4 1	12 3.44	+ 0 42.3	1.801	2.789	3.9	21.3
4 11	11 56.02	+ 1 26.5	1.843	2.794	8.0	21.5
4 21	11 50.19	+ 1 59.7	1.910	2.799	11.6	21.8
5 1	11 46.44	+ 2 19.1	1.998	2.804	14.7	22.0

420640 2012 JD_{7} 3 23.3 339°.74 4°.4/19.9 17

2 21	12 33.18	+ 7 23.4	1.430	2.314	14.0	20.2
3 2	12 28.13	+ 8 9.7	1.365	2.307	10.0	19.9
3 12	12 20.70	+ 8 58.9	1.324	2.301	6.0	19.7
3 22	12 11.82	+ 9 42.9	1.307	2.295	4.5	19.6
4 1	12 2.72	+10 13.4	1.317	2.289	7.6	19.7
4 11	11 54.70	+10 24.7	1.351	2.284	11.9	20.0
4 21	11 48.76	+10 14.5	1.406	2.280	15.9	20.2
5 1	11 45.51	+ 9 43.2	1.480	2.277	19.3	20.4

126072 2001 YQ_{84} 3 23.3 164°.23 1°.0/24.5 18

2 21	12 33.02	− 6 42.0	2.359	3.191	11.2	20.8
3 2	12 27.22	− 6 12.7	2.283	3.196	8.2	20.6
3 12	12 19.91	− 5 31.4	2.233	3.202	4.7	20.4
3 22	12 11.71	− 4 41.6	2.212	3.206	1.3	20.1
4 1	12 3.41	− 3 47.9	2.221	3.210	3.0	20.3
4 11	11 55.80	− 2 55.8	2.260	3.214	6.5	20.5
4 21	11 49.51	− 2 9.8	2.325	3.217	9.7	20.7
5 1	11 45.01	− 1 33.8	2.414	3.219	12.5	20.9

435119 2007 DR_{102} 3 23.3 111°.10 1°.7/22.7 17

2 21	12 54.19	+ 4 34.0	1.074	1.938	19.2	19.9
3 2	12 43.62	+ 3 51.9	1.019	1.950	13.8	19.6
3 12	12 29.31	+ 3 11.1	0.986	1.962	7.5	19.3
3 22	12 12.85	+ 2 28.3	0.979	1.974	1.8	19.0
4 1	11 56.43	+ 1 40.5	0.999	1.986	6.5	19.3
4 11	11 42.21	+ 0 46.2	1.046	1.996	12.6	19.6
4 21	11 31.59	− 0 15.0	1.115	2.007	17.8	20.0
5 1	11 25.16	− 1 22.9	1.202	2.017	22.0	20.3

360808 2005 JM_{52} 3 23.3 11°.34 5°.3/16.2 18

2 21	12 28.29	+16 8.2	2.515	3.388	9.1	20.0
3 2	12 23.80	+17 7.4	2.463	3.390	7.0	19.8
3 12	12 18.01	+18 1.8	2.438	3.393	5.5	19.7
3 22	12 11.49	+18 45.9	2.440	3.396	5.6	19.7
4 1	12 4.93	+19 15.2	2.471	3.400	7.3	19.9
4 11	11 59.03	+19 27.0	2.526	3.404	9.5	20.0
4 21	11 54.32	+19 20.9	2.606	3.408	11.6	20.2
5 1	11 51.20	+18 57.6	2.704	3.413	13.5	20.3

339436 2005 EB_{100} 3 23.3 52°.39 2°.5/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.15	+ 4 33.9	2.008	2.876	11.3	20.7
3 2	12 26.79	+ 5 15.1	1.942	2.878	7.9	20.5
3 12	12 19.74	+ 6 0.5	1.902	2.879	4.4	20.3
3 22	12 11.70	+ 6 44.6	1.890	2.880	2.6	20.2
4 1	12 3.56	+ 7 21.4	1.906	2.882	5.2	20.3
4 11	11 56.23	+ 7 46.4	1.949	2.883	8.8	20.5
4 21	11 50.41	+ 7 56.8	2.018	2.885	12.1	20.8
5 1	11 46.58	+ 7 51.7	2.107	2.886	14.9	20.9

190394 1999 TS_{108} 3 23.3 128°.31 1°.5/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.81	− 7 56.9	2.391	3.216	11.3	20.7
3 2	12 27.71	− 7 41.9	2.323	3.231	8.3	20.6
3 12	12 20.14	− 7 15.0	2.281	3.246	5.0	20.4
3 22	12 11.75	− 6 39.0	2.268	3.260	1.9	20.2
4 1	12 3.32	− 5 57.9	2.285	3.274	3.0	20.3
4 11	11 55.61	− 5 16.5	2.331	3.287	6.2	20.5
4 21	11 49.26	− 4 39.3	2.405	3.300	9.3	20.7
5 1	11 44.70	− 4 9.8	2.503	3.312	12.0	20.9

247696 2003 BJ_{43} 3 23.3 129°.28 6°.1/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.74	−23 40.9	2.500	3.244	13.1	20.5
3 2	12 26.41	−23 57.2	2.418	3.251	11.0	20.4
3 12	12 19.52	−23 52.9	2.358	3.258	8.7	20.2
3 22	12 11.68	−23 28.0	2.323	3.264	6.8	20.1
4 1	12 3.69	−22 44.3	2.316	3.271	6.1	20.1
4 11	11 56.35	−21 46.6	2.336	3.277	7.1	20.1
4 21	11 50.33	−20 40.8	2.382	3.283	9.2	20.3
5 1	11 46.12	−19 33.5	2.453	3.289	11.4	20.4

399704 2004 TP_{282} 3 23.3 224°.16 0°.8/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.45	− 2 21.0	1.811	2.665	13.0	22.1
3 2	12 28.74	− 1 25.6	1.727	2.655	9.3	21.8
3 12	12 20.96	− 0 16.8	1.668	2.644	5.0	21.5
3 22	12 11.87	+ 0 59.6	1.637	2.633	0.8	21.2
4 1	12 2.47	+ 2 15.9	1.634	2.620	4.6	21.5
4 11	11 53.87	+ 3 24.0	1.660	2.607	9.1	21.7
4 21	11 46.95	+ 4 17.8	1.711	2.593	13.1	21.9
5 1	11 42.35	+ 4 53.5	1.782	2.578	16.6	22.1

362642 2011 SN_{185} 3 23.3 125°.55 4°.2/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.09	+ 7 27.2	1.578	2.452	13.5	20.9
3 2	12 30.58	+ 8 21.8	1.524	2.461	9.6	20.7
3 12	12 21.89	+ 9 18.4	1.495	2.470	5.7	20.5
3 22	12 11.97	+10 8.8	1.492	2.478	4.4	20.4
4 1	12 2.02	+10 45.7	1.517	2.486	7.2	20.6
4 11	11 53.26	+11 3.9	1.568	2.494	11.1	20.9
4 21	11 46.55	+11 1.7	1.642	2.501	14.8	21.1
5 1	11 42.41	+10 39.9	1.735	2.508	17.8	21.3

507171 2010 DP_{80} 3 23.3 230°.84 3°.7/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.57	+10 10.1	2.520	3.387	9.3	21.8
3 2	12 26.17	+10 59.6	2.447	3.379	6.7	21.6
3 12	12 19.34	+11 48.9	2.402	3.371	4.4	21.4
3 22	12 11.66	+12 32.8	2.385	3.362	3.9	21.4
4 1	12 3.86	+13 6.6	2.397	3.354	5.9	21.5
4 11	11 56.67	+13 26.6	2.437	3.344	8.6	21.6
4 21	11 50.69	+13 31.2	2.502	3.335	11.2	21.8
5 1	11 46.38	+13 20.2	2.589	3.325	13.5	22.0

463370 2012 XW_{45} 3 23.3 235°.53 4°.4/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.60	+11 29.1	2.245	3.116	10.1	20.8
3 2	12 26.27	+12 22.1	2.183	3.116	7.4	20.6
3 12	12 19.41	+13 13.6	2.147	3.115	5.0	20.4
3 22	12 11.68	+13 57.7	2.140	3.114	4.6	20.4
4 1	12 3.86	+14 29.0	2.161	3.114	6.7	20.5
4 11	11 56.78	+14 44.1	2.209	3.113	9.5	20.7
4 21	11 51.07	+14 41.8	2.281	3.112	12.2	20.9
5 1	11 47.20	+14 22.4	2.373	3.112	14.5	21.1

183706 2003 YD_{51} 3 23.3 96°.77 2°.1/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.46	+ 1 46.6	1.678	2.544	13.3	20.6
3 2	12 29.23	+ 2 39.8	1.629	2.564	9.3	20.4
3 12	12 21.07	+ 3 40.2	1.606	2.584	4.9	20.2
3 22	12 11.88	+ 4 40.9	1.609	2.603	2.1	20.1
4 1	12 2.75	+ 5 34.4	1.641	2.622	5.3	20.3
4 11	11 54.74	+ 6 14.6	1.700	2.640	9.4	20.6
4 21	11 48.62	+ 6 38.3	1.783	2.659	13.0	20.8
5 1	11 44.85	+ 6 44.4	1.887	2.676	16.0	21.1

79270 1995 QK_{8} 3 23.4 170°.23 3°.6/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.13	−15 19.8	2.566	3.359	11.6	19.9
3 2	12 25.88	−15 17.7	2.482	3.361	9.1	19.7
3 12	12 19.21	−14 59.8	2.422	3.363	6.4	19.5
3 22	12 11.67	−14 27.5	2.389	3.364	4.1	19.4
4 1	12 3.98	−13 43.7	2.385	3.366	3.9	19.4
4 11	11 56.89	−12 53.2	2.410	3.367	6.0	19.5
4 21	11 50.99	−12 0.9	2.463	3.367	8.7	19.7
5 1	11 46.76	−11 12.0	2.540	3.368	11.3	19.9

238518 2004 TC_{121} 3 23.4 275°.75 2°.1/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 36.53	− 7 35.7	1.570	2.413	15.3	20.8
3 2	12 30.79	− 7 29.5	1.468	2.386	11.5	20.5
3 12	12 22.40	− 7 5.4	1.389	2.358	7.0	20.2
3 22	12 12.10	− 6 25.5	1.336	2.329	2.6	19.8
4 1	12 1.07	− 5 35.0	1.310	2.300	4.4	19.9
4 11	11 50.71	− 4 41.7	1.311	2.270	9.6	20.1
4 21	11 42.28	− 3 53.6	1.335	2.240	14.5	20.3
5 1	11 36.67	− 3 17.6	1.380	2.210	18.8	20.5

307526 2003 AB_{88} 3 23.4 164°.14 0°.1/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.96	− 4 14.8	2.017	2.864	12.2	20.8
3 2	12 27.39	− 3 29.7	1.945	2.868	8.7	20.6
3 12	12 20.09	− 2 32.1	1.898	2.872	4.8	20.4
3 22	12 11.78	− 1 27.1	1.880	2.876	0.6	20.1
4 1	12 3.35	− 0 20.9	1.891	2.879	3.6	20.3
4 11	11 55.71	+ 0 39.8	1.930	2.881	7.7	20.6
4 21	11 49.60	+ 1 29.9	1.995	2.883	11.3	20.8
5 1	11 45.51	+ 2 5.7	2.083	2.885	14.3	21.0

389531 2010 JP_{68} 3 23.4 283°.05 2°.5/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.75	+ 3 42.1	2.334	3.201	10.0	20.7
3 2	12 24.37	+ 4 51.7	2.244	3.180	7.0	20.5
3 12	12 18.46	+ 6 8.1	2.181	3.158	3.9	20.3
3 22	12 11.59	+ 7 25.6	2.147	3.137	2.6	20.1
4 1	12 4.48	+ 8 37.6	2.142	3.115	5.1	20.2
4 11	11 57.89	+ 9 38.3	2.166	3.093	8.4	20.4
4 21	11 52.49	+10 23.6	2.214	3.070	11.6	20.6
5 1	11 48.80	+10 51.2	2.284	3.048	14.3	20.7

269980 2000 TK_{52} 3 23.4 156°.12 0°.5/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.58	− 1 28.0	2.171	3.021	11.3	21.4
3 2	12 27.71	− 0 56.4	2.100	3.027	8.0	21.2
3 12	12 20.22	− 0 16.2	2.056	3.032	4.3	21.0
3 22	12 11.80	+ 0 28.2	2.041	3.037	0.6	20.7
4 1	12 3.28	+ 1 11.8	2.055	3.042	3.7	20.9
4 11	11 55.52	+ 1 49.3	2.098	3.046	7.4	21.2
4 21	11 49.20	+ 2 17.1	2.167	3.049	10.8	21.4
5 1	11 44.80	+ 2 32.6	2.259	3.053	13.6	21.6

222679 2001 YY_{54} 3 23.4 270°.47 3°.1/20.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.60	+ 5 0.9	1.858	2.727	12.0	20.0
3 2	12 28.14	+ 5 51.0	1.773	2.709	8.5	19.8
3 12	12 20.66	+ 6 46.7	1.714	2.691	4.9	19.5
3 22	12 11.87	+ 7 41.6	1.683	2.672	3.1	19.4
4 1	12 2.75	+ 8 28.6	1.680	2.654	6.1	19.5
4 11	11 54.38	+ 9 1.7	1.703	2.635	10.0	19.7
4 21	11 47.62	+ 9 17.2	1.751	2.615	13.8	19.9
5 1	11 43.12	+ 9 13.9	1.818	2.596	17.0	20.1

508279 2015 HP_{185} 3 23.4 229°.67 2°.3/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.92	+ 5 42.8	2.528	3.390	9.5	21.8
3 2	12 26.40	+ 6 14.3	2.452	3.385	6.7	21.6
3 12	12 19.48	+ 6 48.2	2.403	3.379	3.8	21.4
3 22	12 11.72	+ 7 20.2	2.384	3.373	2.4	21.3
4 1	12 3.83	+ 7 46.1	2.394	3.367	4.6	21.4
4 11	11 56.55	+ 8 2.4	2.432	3.361	7.6	21.6
4 21	11 50.48	+ 8 6.9	2.497	3.354	10.4	21.8
5 1	11 46.06	+ 7 58.7	2.583	3.348	12.8	21.9

376308 2011 GD_{4} 3 23.4 244°.60 2°.9/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.21	+ 5 29.7	2.003	2.871	11.3	20.6
3 2	12 27.62	+ 6 11.1	1.931	2.866	8.0	20.4
3 12	12 20.25	+ 6 56.2	1.885	2.861	4.6	20.2
3 22	12 11.82	+ 7 39.3	1.867	2.856	2.9	20.0
4 1	12 3.22	+ 8 14.5	1.877	2.851	5.6	20.2
4 11	11 55.41	+ 8 37.0	1.914	2.845	9.1	20.4
4 21	11 49.13	+ 8 44.1	1.976	2.840	12.5	20.6
5 1	11 44.91	+ 8 35.2	2.059	2.834	15.3	20.8

16716 1995 UX_{6} 3 23.4 186°.09 0°.5/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.31	− 1 18.6	2.834	3.680	9.1	20.5
3 2	12 25.13	− 0 44.7	2.755	3.680	6.4	20.3
3 12	12 18.74	− 0 4.1	2.704	3.679	3.4	20.1
3 22	12 11.63	+ 0 39.9	2.682	3.678	0.5	19.9
4 1	12 4.42	+ 1 23.3	2.691	3.677	3.0	20.1
4 11	11 57.73	+ 2 2.0	2.730	3.675	6.0	20.3
4 21	11 52.09	+ 2 33.0	2.795	3.672	8.8	20.5
5 1	11 47.90	+ 2 54.0	2.885	3.669	11.1	20.6

243804 2000 SR_{158} 3 23.4 308°.03 2°.8/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 27.90	−12 52.9	2.026	2.849	13.1	20.1
3 2	12 23.97	−12 14.8	1.932	2.834	10.1	19.8
3 12	12 18.33	−11 16.3	1.862	2.820	6.6	19.6
3 22	12 11.60	−10 0.3	1.818	2.806	3.4	19.4
4 1	12 4.60	− 8 32.3	1.803	2.792	3.6	19.4
4 11	11 58.24	− 7 0.2	1.815	2.778	7.1	19.5
4 21	11 53.27	− 5 31.9	1.854	2.765	10.8	19.7
5 1	11 50.25	− 4 14.2	1.916	2.752	14.1	19.9

255582 2006 LY_6 3 23.4 205°.44 4°.5/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.80	+ 9 14.1	2.067	2.936	11.0	21.1
3 2	12 28.02	+10 36.9	1.997	2.931	7.9	20.9
3 12	12 20.48	+12 1.6	1.955	2.925	5.2	20.7
3 22	12 11.86	+13 20.5	1.941	2.918	4.8	20.7
4 1	12 3.06	+14 26.2	1.957	2.910	7.2	20.8
4 11	11 55.02	+15 13.1	1.999	2.902	10.4	21.0
4 21	11 48.51	+15 38.9	2.065	2.893	13.4	21.2
5 1	11 44.03	+15 43.4	2.151	2.883	16.0	21.3

216059 2006 PR_{41} 3 23.4 134°.55 2°.9/26.2 18

2 21	12 33.78	−11 46.2	1.792	2.617	14.5	20.7
3 2	12 28.18	−11 24.6	1.721	2.625	11.0	20.5
3 12	12 20.61	−10 43.1	1.674	2.633	7.1	20.2
3 22	12 11.87	− 9 45.2	1.652	2.640	3.5	20.0
4 1	12 3.00	− 8 36.5	1.659	2.647	4.0	20.1
4 11	11 55.05	− 7 25.0	1.693	2.654	7.7	20.3
4 21	11 48.86	− 6 18.2	1.753	2.661	11.5	20.5
5 1	11 44.95	− 5 22.1	1.835	2.666	14.8	20.8

502203 2015 BB_{74} 3 23.4 262°.60 2°.5/20.9 17

2 21	12 32.00	+ 3 26.4	1.910	2.779	11.8	21.3
3 2	12 26.86	+ 4 17.7	1.835	2.772	8.3	21.1
3 12	12 19.88	+ 5 15.5	1.787	2.764	4.6	20.9
3 22	12 11.79	+ 6 13.6	1.765	2.757	2.5	20.7
4 1	12 3.49	+ 7 5.1	1.772	2.750	5.4	20.9
4 11	11 55.98	+ 7 44.2	1.807	2.742	9.3	21.1
4 21	11 50.02	+ 8 7.3	1.865	2.735	12.8	21.3
5 1	11 46.17	+ 8 12.7	1.944	2.727	15.8	21.5

241777 2001 NC_9 3 23.4 264°.09 2°.6/26.2 17

2 21	12 30.92	−11 32.6	2.349	3.165	11.8	21.5
3 2	12 25.96	−11 15.9	2.247	3.146	9.0	21.3
3 12	12 19.37	−10 43.4	2.170	3.127	5.9	21.0
3 22	12 11.73	− 9 57.3	2.121	3.108	3.0	20.8
4 1	12 3.79	− 9 1.2	2.100	3.088	3.4	20.8
4 11	11 56.37	− 8 0.7	2.109	3.068	6.5	21.0
4 21	11 50.20	− 7 1.6	2.144	3.048	9.9	21.1
5 1	11 45.81	− 6 9.3	2.203	3.027	12.9	21.3

22413 Haifu 3 23.4 303°.04 2°.6/21.6 18

2 21	12 36.76	+ 3 58.4	1.414	2.289	14.7	18.8
3 2	12 31.00	+ 4 16.0	1.329	2.268	10.6	18.5
3 12	12 22.51	+ 4 39.7	1.268	2.246	5.9	18.1
3 22	12 12.14	+ 5 3.1	1.231	2.225	2.6	17.9
4 1	12 1.22	+ 5 19.4	1.221	2.204	6.4	18.0
4 11	11 51.24	+ 5 22.2	1.236	2.183	11.5	18.3
4 21	11 43.43	+ 5 8.0	1.274	2.163	16.3	18.5
5 1	11 38.60	+ 4 35.7	1.330	2.143	20.3	18.7

480248 2015 HB_{39} 3 23.4 262°.98 5°.5/16.5 17

2 21	12 30.90	+15 2.7	2.336	3.207	9.8	21.3
3 2	12 25.83	+16 10.6	2.270	3.198	7.4	21.1
3 12	12 19.22	+17 15.1	2.231	3.189	5.7	21.0
3 22	12 11.71	+18 9.6	2.220	3.180	5.8	21.0
4 1	12 4.07	+18 48.6	2.237	3.170	7.7	21.1
4 11	11 57.09	+19 8.6	2.280	3.161	10.2	21.2
4 21	11 51.43	+19 8.6	2.346	3.151	12.7	21.4
5 1	11 47.56	+18 49.3	2.432	3.142	14.9	21.5

124923 2001 TU_{69} 3 23.4 104°.11 0°.3/23.6 18

2 21	12 36.06	− 4 39.6	1.496	2.351	15.2	21.1
3 2	12 29.94	− 4 1.3	1.440	2.367	10.9	20.8
3 12	12 21.60	− 3 7.6	1.407	2.382	6.0	20.6
3 22	12 12.00	− 2 4.6	1.401	2.397	0.9	20.3
4 1	12 2.39	− 1 0.2	1.422	2.411	4.3	20.6
4 11	11 53.98	− 0 2.8	1.470	2.425	9.2	20.9
4 21	11 47.66	+ 0 41.5	1.541	2.439	13.4	21.2
5 1	11 43.96	+ 1 9.0	1.633	2.452	16.9	21.4

323789 2005 QZ_{112} 3 23.4 232°.20 5°.2/16.9 17

2 21	12 31.80	+10 37.7	2.029	2.904	10.9	20.7
3 2	12 26.69	+12 21.5	1.958	2.893	8.0	20.5
3 12	12 19.80	+14 7.3	1.915	2.881	5.6	20.4
3 22	12 11.79	+15 46.1	1.900	2.869	5.6	20.3
4 1	12 3.56	+17 9.4	1.913	2.857	8.1	20.5
4 11	11 56.05	+18 11.1	1.953	2.843	11.2	20.6
4 21	11 50.01	+18 48.4	2.016	2.830	14.2	20.8
5 1	11 46.02	+19 1.4	2.097	2.816	16.7	20.9

143819 2003 WJ_{138} 3 23.4 121°.30 3°.0/21.1 18

2 21	12 38.88	+ 3 28.6	1.376	2.249	15.2	20.1
3 2	12 32.09	+ 4 19.4	1.324	2.261	10.7	19.9
3 12	12 22.82	+ 5 17.3	1.295	2.273	5.9	19.6
3 22	12 12.15	+ 6 13.7	1.292	2.284	3.1	19.5
4 1	12 1.48	+ 6 59.9	1.316	2.295	6.6	19.7
4 11	11 52.19	+ 7 29.3	1.366	2.306	11.3	20.0
4 21	11 45.24	+ 7 38.8	1.438	2.316	15.4	20.3
5 1	11 41.18	+ 7 28.1	1.530	2.325	18.9	20.5

168900 2000 WW_{160} 3 23.4 208°.64 3°.1/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.44	+ 4 40.3	1.988	2.854	11.5	20.9
3 2	12 28.55	+ 5 53.1	1.913	2.847	8.1	20.6
3 12	12 20.81	+ 7 12.2	1.864	2.840	4.7	20.4
3 22	12 11.92	+ 8 30.3	1.843	2.831	3.2	20.3
4 1	12 2.82	+ 9 39.7	1.852	2.822	6.0	20.5
4 11	11 54.49	+10 34.1	1.889	2.813	9.7	20.7
4 21	11 47.72	+11 9.8	1.951	2.802	13.1	20.9
5 1	11 43.08	+11 25.5	2.032	2.791	16.0	21.0

187323 2005 UY_{59} 3 23.4 284°.65 5°.0/28.4 18

2 21	12 30.47	−17 39.2	1.795	2.598	15.4	19.7
3 2	12 26.12	−17 21.4	1.696	2.579	12.3	19.4
3 12	12 19.67	−16 37.4	1.618	2.560	8.9	19.2
3 22	12 11.80	−15 28.3	1.566	2.541	5.8	19.0
4 1	12 3.52	−13 58.3	1.540	2.522	5.3	18.9
4 11	11 55.94	−12 16.1	1.541	2.503	8.1	19.0
4 21	11 50.01	−10 31.7	1.567	2.484	12.0	19.2
5 1	11 46.41	− 8 54.7	1.616	2.465	15.6	19.4

40901 1999 TG_{143} 3 23.4 37°.04 3°.0/26.0 18 R

2 21	12 33.98	−10 23.9	1.861	2.689	13.9	18.6
3 2	12 28.35	−10 32.5	1.785	2.690	10.6	18.4
3 12	12 20.75	−10 24.9	1.732	2.691	6.8	18.2
3 22	12 11.94	−10 2.7	1.705	2.693	3.5	17.9
4 1	12 2.92	− 9 30.0	1.707	2.694	4.0	18.0
4 11	11 54.73	− 8 52.4	1.735	2.696	7.6	18.2
4 21	11 48.21	− 8 16.0	1.790	2.698	11.3	18.4
5 1	11 43.95	− 7 46.1	1.866	2.699	14.5	18.6

332394 2007 HB_{48} 3 23.4 286°.48 0°.1/23.4 17

2 21	12 30.39	− 4 25.7	1.828	2.684	12.9	20.8
3 2	12 25.84	− 3 38.1	1.747	2.674	9.3	20.6
3 12	12 19.40	− 2 35.9	1.690	2.665	5.1	20.3
3 22	12 11.78	− 1 24.3	1.660	2.656	0.6	19.9
4 1	12 3.91	− 0 10.3	1.658	2.647	3.9	20.2
4 11	11 56.79	+ 0 58.2	1.684	2.638	8.3	20.4
4 21	11 51.25	+ 1 54.9	1.734	2.629	12.3	20.6
5 1	11 47.85	+ 2 35.5	1.806	2.620	15.7	20.8

437651 2014 BE_{59} 3 23.4 30°.34 1°.5/21.5 17

2 21	12 28.45	+ 0 32.3	2.223	3.086	10.6	21.3
3 2	12 24.09	+ 1 35.1	2.154	3.088	7.4	21.1
3 12	12 18.29	+ 2 45.9	2.111	3.089	3.9	20.8
3 22	12 11.63	+ 3 59.1	2.097	3.091	1.6	20.7
4 1	12 4.87	+ 5 8.3	2.112	3.092	4.3	20.9
4 11	11 58.78	+ 6 7.8	2.155	3.094	7.7	21.1
4 21	11 53.95	+ 6 53.5	2.223	3.096	10.9	21.3
5 1	11 50.85	+ 7 23.1	2.313	3.097	13.6	21.5

278106 2007 BX_{67} 3 23.4 212°.93 1°.6/21.3 18

2 21	12 31.79	+ 4 28.1	2.996	3.851	8.4	20.6
3 2	12 26.15	+ 4 47.8	2.917	3.846	5.9	20.4
3 12	12 19.30	+ 5 10.0	2.865	3.841	3.2	20.2
3 22	12 11.76	+ 5 31.3	2.844	3.835	1.6	20.1
4 1	12 4.10	+ 5 48.7	2.853	3.830	3.6	20.2
4 11	11 56.96	+ 5 59.2	2.892	3.824	6.3	20.4
4 21	11 50.84	+ 6 1.0	2.957	3.818	8.9	20.6
5 1	11 46.13	+ 5 53.1	3.047	3.811	11.0	20.7

28261 1999 CJ 3 23.4 74°.14 0°.6/22.8 18

2 21	12 34.28	− 0 7.8	2.045	2.900	11.7	17.5
3 2	12 28.27	+ 0 4.0	1.981	2.909	8.3	17.3
3 12	12 20.57	+ 0 22.8	1.942	2.918	4.5	17.1
3 22	12 11.91	+ 0 44.7	1.931	2.927	0.7	16.8
4 1	12 3.19	+ 1 5.3	1.950	2.936	3.8	17.0
4 11	11 55.31	+ 1 20.3	1.996	2.945	7.6	17.3
4 21	11 48.97	+ 1 26.7	2.069	2.954	11.0	17.5
5 1	11 44.65	+ 1 22.4	2.163	2.963	13.9	17.7

135245 2001 SD_{19} 3 23.4 236°.26 1°.1/22.0 18

2 21	12 30.90	+ 0 34.7	2.406	3.262	10.1	20.7
3 2	12 25.79	+ 1 13.4	2.324	3.254	7.1	20.5
3 12	12 19.22	+ 1 59.1	2.269	3.246	3.8	20.3
3 22	12 11.75	+ 2 47.5	2.242	3.237	1.1	20.1
4 1	12 4.12	+ 3 33.6	2.245	3.228	3.8	20.3
4 11	11 57.07	+ 4 12.6	2.277	3.219	7.2	20.5
4 21	11 51.24	+ 4 41.2	2.334	3.209	10.4	20.6
5 1	11 47.11	+ 4 56.9	2.415	3.199	13.1	20.8

240318 2003 HW_{26} 3 23.4 256°.48 5°.0/18.9 17

2 21	12 34.74	+ 8 2.2	1.518	2.397	13.6	20.4
3 2	12 29.26	+ 9 17.4	1.448	2.387	9.8	20.1
3 12	12 21.40	+10 36.8	1.402	2.376	6.2	19.9
3 22	12 12.04	+11 50.6	1.383	2.365	5.3	19.8
4 1	12 2.38	+12 49.3	1.390	2.354	8.3	20.0
4 11	11 53.72	+13 25.6	1.422	2.342	12.5	20.2
4 21	11 47.08	+13 36.7	1.476	2.331	16.4	20.4
5 1	11 43.12	+13 22.8	1.547	2.319	19.7	20.6

396235 2014 BO_{29} 3 23.4 85°.41 6°.7/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 35.43	−22 32.4	2.284	3.035	14.0	20.5
3 2	12 29.21	−23 18.8	2.207	3.044	11.7	20.4
3 12	12 21.17	−23 44.9	2.152	3.054	9.3	20.2
3 22	12 12.01	−23 49.5	2.123	3.064	7.4	20.1
4 1	12 2.63	−23 33.6	2.121	3.073	6.8	20.1
4 11	11 53.98	−23 1.4	2.146	3.083	7.9	20.2
4 21	11 46.84	−22 18.7	2.197	3.092	10.0	20.3
5 1	11 41.77	−21 32.1	2.271	3.102	12.3	20.5

248633 2006 FJ_{43} 3 23.4 285°.31 2°.4/21.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.55	+ 1 29.2	1.466	2.340	14.3	20.6
3 2	12 28.61	+ 2 24.7	1.381	2.320	10.2	20.3
3 12	12 21.17	+ 3 32.4	1.320	2.299	5.6	20.0
3 22	12 12.04	+ 4 44.9	1.284	2.278	2.4	19.7
4 1	12 2.40	+ 5 52.6	1.275	2.257	6.3	19.9
4 11	11 53.64	+ 6 46.3	1.291	2.236	11.3	20.1
4 21	11 46.86	+ 7 20.1	1.330	2.215	16.0	20.3
5 1	11 42.85	+ 7 31.0	1.387	2.194	19.9	20.5

344841 2004 FK_{148} 3 23.4 301°.18 8°.6/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.29	+25 14.8	2.166	3.022	11.1	20.1
3 2	12 28.36	+26 21.3	2.115	3.015	9.4	19.9
3 12	12 20.65	+27 15.2	2.088	3.008	8.6	19.9
3 22	12 11.94	+27 49.4	2.088	3.001	9.1	19.9
4 1	12 3.17	+27 59.0	2.112	2.994	10.7	20.0
4 11	11 55.29	+27 42.3	2.161	2.988	12.8	20.1
4 21	11 49.03	+27 0.9	2.230	2.981	14.9	20.2
5 1	11 44.87	+25 58.1	2.316	2.975	16.7	20.4

252264 2001 QQ_{187} 3 23.4 99°.54 8°.1/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.61	−27 8.7	2.048	2.775	16.2	20.1
3 2	12 30.13	−27 39.0	1.983	2.798	13.8	20.0
3 12	12 21.67	−27 42.5	1.938	2.820	11.2	19.9
3 22	12 12.07	−27 18.1	1.917	2.842	9.1	19.8
4 1	12 2.38	−26 28.1	1.921	2.864	8.1	19.8
4 11	11 53.68	−25 18.5	1.953	2.885	8.9	19.9
4 21	11 46.78	−23 57.8	2.009	2.905	10.8	20.0
5 1	11 42.21	−22 34.7	2.090	2.925	13.1	20.2

80174 1999 UN_{23} 3 23.4 122°.70 3°.2/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 38.38	−10 26.7	1.456	2.291	16.7	19.5
3 2	12 31.81	−10 26.2	1.392	2.302	12.6	19.3
3 12	12 22.75	−10 4.9	1.350	2.313	8.0	19.0
3 22	12 12.22	− 9 25.5	1.334	2.324	3.8	18.8
4 1	12 1.53	− 8 33.9	1.345	2.334	4.6	18.9
4 11	11 52.08	− 7 38.6	1.382	2.343	9.0	19.2
4 21	11 44.88	− 6 47.7	1.443	2.352	13.3	19.4
5 1	11 40.54	− 6 7.9	1.525	2.361	17.0	19.7

118666 2000 KZ_{34} 3 23.4 226°.26 1°.0/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.71	− 0 55.4	2.217	3.069	11.0	21.0
3 2	12 27.23	− 0 5.7	2.130	3.058	7.8	20.7
3 12	12 20.08	+ 0 53.5	2.070	3.046	4.2	20.5
3 22	12 11.89	+ 1 57.5	2.038	3.034	1.0	20.2
4 1	12 3.46	+ 3 0.3	2.037	3.021	4.0	20.4
4 11	11 55.66	+ 3 55.8	2.064	3.007	7.8	20.6
4 21	11 49.22	+ 4 39.5	2.117	2.993	11.3	20.8
5 1	11 44.65	+ 5 8.4	2.193	2.978	14.2	21.0

419866 2011 AB_{22} 3 23.4 12°.72 8°.3/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.60	+15 58.3	1.465	2.353	13.4	20.0
3 2	12 26.22	+17 48.0	1.421	2.355	10.3	19.8
3 12	12 19.66	+19 31.3	1.401	2.358	8.4	19.7
3 22	12 11.83	+20 56.3	1.406	2.361	8.9	19.7
4 1	12 3.93	+21 53.8	1.435	2.364	11.5	19.9
4 11	11 57.17	+22 19.1	1.487	2.369	14.6	20.1
4 21	11 52.39	+22 12.7	1.558	2.373	17.6	20.3
5 1	11 50.13	+21 37.8	1.646	2.379	20.1	20.5

318271 2004 SO_{53} 3 23.4 140°.04 0°.4/23.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.45	− 5 0.5	2.577	3.411	10.3	21.8
3 2	12 26.70	− 4 21.3	2.509	3.426	7.4	21.6
3 12	12 19.63	− 3 32.3	2.469	3.440	4.1	21.4
3 22	12 11.83	− 2 37.2	2.458	3.453	0.7	21.2
4 1	12 3.99	− 1 40.7	2.477	3.466	2.9	21.4
4 11	11 56.81	− 0 47.6	2.527	3.478	6.1	21.6
4 21	11 50.85	− 0 2.0	2.604	3.489	9.1	21.8
5 1	11 46.52	+ 0 33.1	2.705	3.500	11.6	22.0

255803 2006 SL_{22} 3 23.4 227°.39 4°.5/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.44	+ 8 42.6	1.868	2.740	11.8	21.2
3 2	12 28.68	+ 9 52.3	1.796	2.731	8.5	20.9
3 12	12 20.95	+11 4.3	1.750	2.722	5.4	20.7
3 22	12 12.01	+12 10.8	1.732	2.713	4.7	20.7
4 1	12 2.84	+13 4.2	1.742	2.702	7.3	20.8
4 11	11 54.51	+13 38.8	1.779	2.692	10.8	21.0
4 21	11 47.84	+13 52.1	1.838	2.681	14.2	21.2
5 1	11 43.43	+13 44.3	1.918	2.669	17.1	21.3

439743 2015 FL_{296} 3 23.4 56°.70 0°.1/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.70	− 6 46.1	2.132	2.977	11.7	20.0
3 2	12 23.62	− 5 17.8	2.060	2.983	8.4	19.8
3 12	12 18.06	− 3 33.9	2.015	2.988	4.6	19.6
3 22	12 11.64	− 1 40.8	1.998	2.994	0.6	19.3
4 1	12 5.14	+ 0 13.6	2.012	3.000	3.4	19.5
4 11	11 59.33	+ 2 0.7	2.055	3.006	7.3	19.8
4 21	11 54.84	+ 3 34.0	2.125	3.013	10.7	20.0
5 1	11 52.11	+ 4 49.2	2.218	3.019	13.6	20.2

336432 2008 UK_{250} 3 23.4 253°.69 2°.1/25.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.19	− 9 43.6	2.090	2.919	12.5	21.2
3 2	12 26.27	− 9 20.6	2.001	2.909	9.4	20.9
3 12	12 19.60	− 8 41.5	1.937	2.900	5.9	20.7
3 22	12 11.84	− 7 49.2	1.899	2.890	2.5	20.5
4 1	12 3.83	− 6 48.6	1.891	2.880	3.4	20.5
4 11	11 56.48	− 5 45.9	1.910	2.870	7.0	20.7
4 21	11 50.54	− 4 47.5	1.956	2.860	10.7	20.9
5 1	11 46.56	− 3 58.7	2.025	2.850	13.8	21.1

186263 2001 YL_{44} 3 23.4 247°.85 6°.7/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.48	−23 16.7	2.290	3.037	14.1	20.0
3 2	12 28.74	−23 35.4	2.181	3.018	11.9	19.8
3 12	12 21.05	−23 31.9	2.094	2.998	9.4	19.6
3 22	12 12.04	−23 5.0	2.032	2.977	7.4	19.4
4 1	12 2.57	−22 15.8	1.997	2.956	6.7	19.4
4 11	11 53.65	−21 9.0	1.991	2.934	8.0	19.4
4 21	11 46.14	−19 51.6	2.010	2.911	10.6	19.5
5 1	11 40.72	−18 31.4	2.054	2.887	13.3	19.6

211536 2003 RR_{11} 3 23.4 108°.38 0°.6/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.07	− 4 0.8	1.593	2.445	14.6	20.9
3 2	12 30.67	− 3 49.4	1.530	2.455	10.5	20.6
3 12	12 22.05	− 3 25.1	1.490	2.464	5.9	20.4
3 22	12 12.14	− 2 52.0	1.477	2.473	1.1	20.1
4 1	12 2.12	− 2 16.1	1.492	2.482	4.1	20.3
4 11	11 53.22	− 1 43.8	1.534	2.490	8.8	20.6
4 21	11 46.32	− 1 20.4	1.600	2.499	12.9	20.9
5 1	11 42.00	− 1 9.4	1.687	2.507	16.4	21.1

265668 2005 UQ_{37} 3 23.4 157°.62 0°.1/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.49	− 4 6.9	1.958	2.808	12.4	21.3
3 2	12 27.15	− 3 28.4	1.886	2.811	8.9	21.1
3 12	12 20.05	− 2 37.6	1.840	2.814	4.9	20.9
3 22	12 11.90	− 1 39.2	1.821	2.817	0.7	20.6
4 1	12 3.62	− 0 39.3	1.830	2.819	3.7	20.8
4 11	11 56.14	+ 0 15.4	1.868	2.821	7.7	21.1
4 21	11 50.21	+ 0 59.9	1.932	2.823	11.4	21.3
5 1	11 46.33	+ 1 30.7	2.017	2.825	14.5	21.5

468267 2015 BX_{480} 3 23.4 144°.81 2°.4/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.88	−10 31.3	1.996	2.823	13.1	21.0
3 2	12 26.74	−10 10.2	1.920	2.826	9.9	20.8
3 12	12 19.84	− 9 32.3	1.867	2.829	6.2	20.6
3 22	12 11.88	− 8 40.5	1.842	2.832	2.9	20.4
4 1	12 3.77	− 7 40.0	1.845	2.834	3.5	20.4
4 11	11 56.43	− 6 37.3	1.876	2.837	7.1	20.7
4 21	11 50.61	− 5 39.0	1.933	2.839	10.7	20.9
5 1	11 46.83	− 4 50.3	2.013	2.841	13.8	21.1

307479 2002 XR_{37} 3 23.4 76°.70 8°.6/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.82	+19 19.0	1.616	2.489	13.3	20.6
3 2	12 30.21	+20 57.0	1.596	2.518	10.4	20.5
3 12	12 21.62	+22 22.2	1.601	2.546	8.7	20.4
3 22	12 12.09	+23 25.0	1.632	2.574	9.1	20.5
4 1	12 2.81	+23 59.2	1.688	2.601	11.1	20.7
4 11	11 54.89	+24 3.5	1.768	2.629	13.7	20.9
4 21	11 49.05	+23 40.4	1.867	2.655	16.1	21.1
5 1	11 45.68	+22 54.2	1.984	2.682	18.1	21.4

517657 2015 BY_{543} 3 23.4 254°.52 0°.9/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.01	− 0 30.4	2.008	2.867	11.7	21.9
3 2	12 26.80	+ 0 3.6	1.934	2.865	8.3	21.7
3 12	12 19.87	+ 0 46.3	1.886	2.863	4.5	21.5
3 22	12 11.90	+ 1 33.0	1.865	2.861	0.9	21.2
4 1	12 3.77	+ 2 17.9	1.873	2.858	4.1	21.4
4 11	11 56.39	+ 2 55.5	1.908	2.856	8.0	21.6
4 21	11 50.50	+ 3 21.9	1.969	2.854	11.6	21.9
5 1	11 46.61	+ 3 34.4	2.052	2.851	14.6	22.1

115242 2003 SX_{151} 3 23.4 231°.05 0°.2/23.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.65	− 4 12.1	1.765	2.615	13.5	20.9
3 2	12 28.98	− 3 39.5	1.682	2.607	9.8	20.6
3 12	12 21.20	− 2 52.9	1.623	2.597	5.5	20.4
3 22	12 12.08	− 1 56.9	1.592	2.588	0.8	20.0
4 1	12 2.65	− 0 58.0	1.589	2.578	4.0	20.2
4 11	11 54.03	− 0 3.6	1.613	2.567	8.6	20.5
4 21	11 47.15	+ 0 40.3	1.662	2.556	12.8	20.7
5 1	11 42.63	+ 1 9.4	1.733	2.545	16.3	20.9

264577 2001 TA_{120} 3 23.4 80°.32 2°.5/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 40.09	− 8 39.7	1.838	2.662	14.2	21.4
3 2	12 32.40	− 8 51.2	1.789	2.695	10.5	21.2
3 12	12 22.81	− 8 47.9	1.764	2.727	6.5	21.0
3 22	12 12.25	− 8 32.2	1.768	2.758	2.9	20.8
4 1	12 1.81	− 8 8.2	1.801	2.789	3.8	21.0
4 11	11 52.54	− 7 41.5	1.862	2.819	7.4	21.2
4 21	11 45.20	− 7 17.2	1.950	2.849	10.9	21.5
5 1	11 40.23	− 6 59.5	2.060	2.878	13.9	21.8

471454 2011 UW_{172} 3 23.4 197°.27 0°.7/22.5 17

2 21	12 30.30	− 0 34.8	2.779	3.628	9.2	21.9
3 2	12 25.20	− 0 1.4	2.699	3.625	6.5	21.7
3 12	12 18.86	+ 0 38.4	2.647	3.623	3.5	21.5
3 22	12 11.78	+ 1 21.1	2.624	3.620	0.7	21.3
4 1	12 4.58	+ 2 2.8	2.631	3.616	3.1	21.5
4 11	11 57.91	+ 2 39.3	2.668	3.612	6.2	21.7
4 21	11 52.30	+ 3 7.6	2.732	3.608	9.0	21.9
5 1	11 48.15	+ 3 25.6	2.819	3.604	11.4	22.0

109808 2001 RL_{102} 3 23.4 185°.74 1°.5/21.6 17

2 21	12 31.66	+ 2 22.5	2.628	3.483	9.4	20.4
3 2	12 26.21	+ 2 58.2	2.554	3.483	6.6	20.2
3 12	12 19.43	+ 3 38.6	2.506	3.483	3.6	20.0
3 22	12 11.86	+ 4 19.7	2.488	3.482	1.5	19.9
4 1	12 4.19	+ 4 57.1	2.501	3.480	3.8	20.1
4 11	11 57.11	+ 5 27.1	2.542	3.479	6.9	20.2
4 21	11 51.19	+ 5 46.8	2.610	3.477	9.7	20.4
5 1	11 46.83	+ 5 54.7	2.701	3.474	12.1	20.6

181400 2006 SV_{115} 3 23.4 93°.28 4°.1/17.9 18

2 21	12 29.47	+ 9 48.0	2.356	3.228	9.7	20.0
3 2	12 24.72	+11 10.3	2.307	3.242	6.9	19.9
3 12	12 18.61	+12 32.4	2.286	3.255	4.6	19.8
3 22	12 11.76	+13 47.6	2.294	3.269	4.4	19.8
4 1	12 4.89	+14 50.1	2.331	3.282	6.4	19.9
4 11	11 58.73	+15 35.7	2.395	3.295	9.0	20.1
4 21	11 53.83	+16 2.7	2.483	3.308	11.5	20.3
5 1	11 50.59	+16 11.1	2.592	3.320	13.6	20.5

146096 2000 OY_{15} 3 23.4 208°.61 0°.5/22.6 17

2 21	12 29.76	− 1 8.2	3.281	4.124	8.1	21.8
3 2	12 24.70	− 0 28.6	3.192	4.116	5.7	21.6
3 12	12 18.55	+ 0 17.3	3.132	4.107	3.1	21.5
3 22	12 11.76	+ 1 6.2	3.102	4.098	0.6	21.2
4 1	12 4.84	+ 1 54.5	3.104	4.088	2.8	21.4
4 11	11 58.33	+ 2 38.6	3.136	4.078	5.5	21.6
4 21	11 52.71	+ 3 15.6	3.195	4.067	8.0	21.7
5 1	11 48.34	+ 3 43.2	3.279	4.055	10.1	21.9

341476 2007 TK_{354} 3 23.4 149°.07 3°.9/18.3 17

2 21	12 30.23	+ 9 10.6	2.416	3.286	9.6	20.7
3 2	12 25.27	+10 26.3	2.358	3.292	6.8	20.6
3 12	12 18.92	+11 42.7	2.327	3.298	4.4	20.4
3 22	12 11.80	+12 53.6	2.326	3.303	4.1	20.4
4 1	12 4.61	+13 53.1	2.354	3.308	6.1	20.5
4 11	11 58.09	+14 37.0	2.409	3.312	8.8	20.7
4 21	11 52.81	+15 3.2	2.488	3.316	11.4	20.9
5 1	11 49.19	+15 11.5	2.589	3.320	13.6	21.1

348898 2006 SF_{347} 3 23.4 202°.61 0°.9/22.4 17

2 21	12 32.33	+ 0 36.2	2.398	3.252	10.3	20.8
3 2	12 26.80	+ 0 57.7	2.322	3.250	7.2	20.6
3 12	12 19.80	+ 1 25.2	2.273	3.249	3.9	20.4
3 22	12 11.93	+ 1 55.0	2.252	3.247	0.9	20.2
4 1	12 3.93	+ 2 23.0	2.261	3.246	3.6	20.4
4 11	11 56.57	+ 2 44.9	2.299	3.244	7.0	20.6
4 21	11 50.48	+ 2 58.1	2.363	3.242	10.1	20.8
5 1	11 46.11	+ 3 0.4	2.450	3.240	12.8	21.0

386210 2007 VZ_{328} 3 23.4 144°.19 2°.4/20.7 17

2 21	12 33.13	+ 5 48.6	2.454	3.315	9.8	21.7
3 2	12 27.27	+ 6 21.3	2.389	3.321	6.9	21.5
3 12	12 20.01	+ 6 56.1	2.352	3.327	3.9	21.3
3 22	12 11.95	+ 7 28.6	2.344	3.333	2.5	21.2
4 1	12 3.84	+ 7 54.4	2.365	3.338	4.6	21.4
4 11	11 56.42	+ 8 10.2	2.415	3.343	7.6	21.6
4 21	11 50.29	+ 8 14.0	2.491	3.348	10.4	21.8
5 1	11 45.87	+ 8 5.1	2.590	3.353	12.8	21.9

378760 2008 RF_{118} 3 23.4 243°.86 1°.1/24.6 17

2 21	12 31.46	− 6 55.9	2.058	2.898	12.3	21.8
3 2	12 26.47	− 6 26.3	1.974	2.891	9.0	21.6
3 12	12 19.74	− 5 42.6	1.914	2.884	5.3	21.3
3 22	12 11.93	− 4 48.3	1.882	2.877	1.5	21.1
4 1	12 3.90	− 3 48.8	1.879	2.869	3.3	21.2
4 11	11 56.56	− 2 50.4	1.904	2.862	7.3	21.4
4 21	11 50.65	− 1 59.0	1.955	2.854	10.9	21.6
5 1	11 46.71	− 1 19.1	2.029	2.846	14.1	21.8

316362 2010 SB_{11} 3 23.4 97°.00 1°.0/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 35.12	− 5 23.0	1.577	2.429	14.7	21.4
3 2	12 29.40	− 5 8.3	1.508	2.432	10.8	21.2
3 12	12 21.45	− 4 38.6	1.463	2.435	6.2	20.9
3 22	12 12.15	− 3 58.1	1.443	2.438	1.5	20.6
4 1	12 2.66	− 3 13.0	1.451	2.441	4.0	20.8
4 11	11 54.19	− 2 30.4	1.485	2.444	8.8	21.1
4 21	11 47.68	− 1 56.6	1.544	2.447	13.0	21.3
5 1	11 43.72	− 1 35.7	1.623	2.450	16.6	21.6

87737 2000 SX_{60} 3 23.4 181°.28 0°.2/23.1 17

2 21	12 32.87	− 2 48.2	2.171	3.019	11.4	20.9
3 2	12 27.32	− 2 10.8	2.095	3.020	8.1	20.7
3 12	12 20.14	− 1 23.3	2.046	3.020	4.4	20.4
3 22	12 11.99	− 0 29.9	2.024	3.020	0.5	20.1
4 1	12 3.69	+ 0 23.7	2.032	3.020	3.6	20.4
4 11	11 56.11	+ 1 12.1	2.069	3.019	7.4	20.6
4 21	11 49.93	+ 1 50.7	2.133	3.018	10.8	20.8
5 1	11 45.65	+ 2 16.5	2.218	3.016	13.7	21.0

197558 2004 FL_{122} 3 23.4 69°.32 1°.1/25.1 18 R

2 21	12 26.64	− 7 58.0	3.055	3.883	9.0	20.1
3 2	12 22.53	− 7 26.7	2.980	3.890	6.6	19.9
3 12	12 17.38	− 6 45.5	2.931	3.897	4.0	19.8
3 22	12 11.64	− 5 57.0	2.911	3.904	1.4	19.6
4 1	12 5.83	− 5 5.0	2.921	3.911	2.3	19.6
4 11	12 0.49	− 4 13.4	2.960	3.918	5.0	19.8
4 21	11 56.07	− 3 26.0	3.028	3.925	7.5	20.0
5 1	11 52.92	− 2 45.8	3.119	3.932	9.8	20.2

191122 2002 EU_{131} 3 23.4 214°.61 0°.1/23.3 17

2 21	12 33.36	− 2 45.2	2.159	3.007	11.5	21.0
3 2	12 27.72	− 2 19.8	2.078	3.002	8.2	20.7
3 12	12 20.40	− 1 44.7	2.022	2.996	4.5	20.5
3 22	12 12.03	− 1 3.6	1.995	2.991	0.5	20.2
4 1	12 3.47	− 0 21.5	1.997	2.985	3.5	20.4
4 11	11 55.60	+ 0 16.4	2.028	2.979	7.4	20.6
4 21	11 49.13	+ 0 45.8	2.084	2.972	10.9	20.8
5 1	11 44.61	+ 1 3.6	2.164	2.965	13.8	21.0

463665 2014 LC_{16} 3 23.4 207°.41 0°.1/23.5 17

2 21	12 35.28	− 4 17.7	1.968	2.811	12.6	22.5
3 2	12 29.26	− 3 34.2	1.883	2.805	9.1	22.2
3 12	12 21.31	− 2 37.2	1.824	2.798	5.0	22.0
3 22	12 12.15	− 1 31.6	1.794	2.790	0.7	21.6
4 1	12 2.74	− 0 23.7	1.793	2.781	3.8	21.8
4 11	11 54.07	+ 0 39.2	1.821	2.771	8.1	22.1
4 21	11 47.00	+ 1 31.5	1.874	2.761	11.9	22.3
5 1	11 42.10	+ 2 9.2	1.950	2.749	15.2	22.5

166552 2002 RY_{73} 3 23.4 211°.49 0°.6/24.0 17

2 21	12 31.47	− 5 2.9	2.202	3.045	11.5	20.2
3 2	12 26.35	− 4 35.4	2.122	3.043	8.3	20.0
3 12	12 19.62	− 3 56.4	2.068	3.040	4.7	19.8
3 22	12 11.94	− 3 9.5	2.042	3.037	1.0	19.5
4 1	12 4.08	− 2 19.7	2.045	3.034	3.2	19.7
4 11	11 56.89	− 1 32.5	2.076	3.031	6.9	19.9
4 21	11 51.05	− 0 52.7	2.134	3.028	10.4	20.1
5 1	11 47.06	− 0 23.6	2.215	3.025	13.3	20.3

191922 2005 SB_{48} 3 23.4 59°.44 1°.7/24.6 18

2 21	12 35.72	− 6 44.6	1.257	2.116	17.3	20.4
3 2	12 30.21	− 6 30.7	1.196	2.123	12.7	20.2
3 12	12 22.04	− 5 57.2	1.157	2.129	7.5	19.9
3 22	12 12.25	− 5 8.7	1.142	2.136	2.2	19.6
4 1	12 2.28	− 4 13.0	1.152	2.143	4.6	19.8
4 11	11 53.63	− 3 19.7	1.187	2.151	9.9	20.1
4 21	11 47.36	− 2 36.6	1.245	2.158	14.7	20.4
5 1	11 44.12	− 2 9.4	1.322	2.166	18.8	20.6

365116 2009 CH_{48} 3 23.4 69°.95 3°.2/20.6 18

2 21	12 32.94	+ 2 34.5	1.406	2.285	14.5	20.2
3 2	12 27.92	+ 3 52.2	1.352	2.293	10.2	19.9
3 12	12 20.64	+ 5 19.2	1.322	2.301	5.6	19.7
3 22	12 12.06	+ 6 45.8	1.318	2.310	3.2	19.5
4 1	12 3.42	+ 8 1.6	1.341	2.318	6.8	19.8
4 11	11 55.95	+ 8 58.4	1.389	2.327	11.2	20.0
4 21	11 50.54	+ 9 32.0	1.459	2.336	15.3	20.3
5 1	11 47.74	+ 9 41.6	1.547	2.344	18.6	20.6

41463 2000 OG_{21} 3 23.4 186°.72 1°.8/21.6 18

2 21	12 36.27	+ 1 45.5	1.943	2.801	12.1	19.5
3 2	12 29.90	+ 2 31.6	1.870	2.801	8.5	19.3
3 12	12 21.62	+ 3 25.2	1.823	2.800	4.6	19.0
3 22	12 12.19	+ 4 20.4	1.805	2.799	1.9	18.8
4 1	12 2.60	+ 5 10.8	1.816	2.797	4.9	19.0
4 11	11 53.86	+ 5 50.6	1.855	2.794	8.9	19.3
4 21	11 46.76	+ 6 15.9	1.920	2.790	12.5	19.5
5 1	11 41.87	+ 6 25.0	2.005	2.785	15.5	19.7

14880 Moa 3 23.4 126°.70 5°.0/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.52	+ 9 18.5	1.780	2.658	12.0	18.3
3 2	12 27.29	+10 48.2	1.727	2.664	8.6	18.1
3 12	12 20.18	+12 18.8	1.699	2.670	5.7	17.9
3 22	12 12.01	+13 41.6	1.699	2.676	5.3	17.9
4 1	12 3.77	+14 48.2	1.727	2.681	7.9	18.1
4 11	11 56.46	+15 33.0	1.780	2.687	11.2	18.3
4 21	11 50.87	+15 54.1	1.856	2.692	14.3	18.5
5 1	11 47.47	+15 52.1	1.950	2.697	17.0	18.7

56416 2000 FS_{55} 3 23.4 213°.01 3°.7/20.3 18

2 21	12 35.31	+ 4 43.0	1.523	2.398	13.8	19.5
3 2	12 29.63	+ 5 50.6	1.457	2.395	9.8	19.3
3 12	12 21.63	+ 7 5.2	1.414	2.391	5.6	19.0
3 22	12 12.20	+ 8 18.1	1.398	2.387	3.8	18.9
4 1	12 2.56	+ 9 20.0	1.409	2.383	7.0	19.1
4 11	11 53.95	+10 3.5	1.446	2.378	11.4	19.3
4 21	11 47.36	+10 24.9	1.506	2.373	15.4	19.5
5 1	11 43.41	+10 23.4	1.584	2.368	18.8	19.7

198117 2004 TF_{5} 3 23.4 28°.80 2°.3/21.3 17

2 21	12 33.80	+ 3 32.0	1.865	2.732	12.1	20.1
3 2	12 28.17	+ 4 6.7	1.797	2.732	8.5	19.8
3 12	12 20.68	+ 4 46.7	1.755	2.732	4.7	19.6
3 22	12 12.08	+ 5 26.4	1.740	2.733	2.3	19.4
4 1	12 3.34	+ 5 59.9	1.753	2.733	5.2	19.6
4 11	11 55.47	+ 6 22.0	1.794	2.733	9.1	19.9
4 21	11 49.25	+ 6 29.9	1.859	2.733	12.6	20.1
5 1	11 45.21	+ 6 22.4	1.944	2.734	15.6	20.3

521128 2015 DK_{248} 3 23.4 317°.52 6°.2/16.5 17

2 21	12 32.35	+16 46.8	2.145	3.016	10.6	20.9
3 2	12 26.99	+17 45.1	2.085	3.010	8.1	20.8
3 12	12 19.97	+18 37.6	2.050	3.004	6.4	20.6
3 22	12 11.99	+19 17.8	2.043	2.999	6.5	20.6
4 1	12 3.90	+19 40.1	2.063	2.993	8.4	20.7
4 11	11 56.60	+19 41.7	2.108	2.988	11.0	20.9
4 21	11 50.77	+19 22.4	2.175	2.983	13.5	21.0
5 1	11 46.90	+18 43.7	2.262	2.978	15.7	21.2

144843 2004 JH_{38} 3 23.4 53°.65 0°.6/22.8 18

2 21	12 29.53	− 5 19.4	1.506	2.369	14.7	19.2
3 2	12 25.38	− 3 46.2	1.449	2.381	10.4	19.0
3 12	12 19.21	− 1 54.4	1.415	2.392	5.6	18.7
3 22	12 11.89	+ 0 6.8	1.408	2.404	0.7	18.4
4 1	12 4.52	+ 2 6.1	1.429	2.416	4.7	18.7
4 11	11 58.18	+ 3 52.3	1.477	2.429	9.5	19.0
4 21	11 53.68	+ 5 17.7	1.548	2.441	13.6	19.3
5 1	11 51.52	+ 6 18.4	1.640	2.454	17.0	19.5

117017 2004 JN_{8} 3 23.4 229°.36 9°.2/ 9.7 18

2 21	12 34.12	+31 35.1	2.556	3.388	10.4	19.8
3 2	12 28.14	+32 52.7	2.514	3.382	9.4	19.7
3 12	12 20.55	+33 55.0	2.498	3.376	9.2	19.6
3 22	12 12.06	+34 35.9	2.506	3.369	9.8	19.7
4 1	12 3.51	+34 51.3	2.539	3.363	11.1	19.7
4 11	11 55.78	+34 40.3	2.594	3.356	12.7	19.8
4 21	11 49.52	+34 4.6	2.668	3.349	14.2	20.0
5 1	11 45.18	+33 7.5	2.758	3.342	15.5	20.1

155080 2005 SC_{130} 3 23.4 182°.64 0°.7/24.0 18

2 21	12 35.17	− 6 34.0	1.686	2.530	14.3	20.7
3 2	12 29.37	− 5 43.0	1.611	2.532	10.4	20.4
3 12	12 21.43	− 4 34.2	1.560	2.532	5.9	20.2
3 22	12 12.18	− 3 13.2	1.536	2.532	1.2	19.8
4 1	12 2.72	− 1 48.0	1.541	2.531	4.0	20.0
4 11	11 54.20	− 0 27.6	1.574	2.529	8.7	20.3
4 21	11 47.53	+ 0 40.4	1.632	2.527	12.9	20.5
5 1	11 43.30	+ 1 31.2	1.710	2.523	16.5	20.8

162964 2001 QM_{206} 3 23.4 88°.50 0°.3/23.8 18

2 21	12 32.54	− 4 19.2	2.400	3.240	10.7	20.1
3 2	12 26.80	− 3 50.4	2.347	3.266	7.7	20.0
3 12	12 19.73	− 3 12.4	2.319	3.291	4.3	19.8
3 22	12 11.95	− 2 29.0	2.321	3.317	0.7	19.6
4 1	12 4.21	− 1 44.5	2.353	3.342	2.9	19.8
4 11	11 57.23	− 1 3.8	2.414	3.366	6.3	20.0
4 21	11 51.56	− 0 30.4	2.502	3.390	9.2	20.3
5 1	11 47.59	− 0 6.9	2.613	3.414	11.7	20.5

60526 2000 EU_{41} 3 23.4 162°.01 0°.2/23.2 18

2 21	12 34.69	− 2 31.8	1.822	2.675	13.0	19.5
3 2	12 28.86	− 2 3.9	1.751	2.678	9.3	19.3
3 12	12 21.08	− 1 24.9	1.705	2.680	5.1	19.0
3 22	12 12.14	− 0 39.6	1.686	2.682	0.6	18.7
4 1	12 3.04	+ 0 6.1	1.696	2.684	4.0	19.0
4 11	11 54.82	+ 0 46.1	1.734	2.686	8.3	19.2
4 21	11 48.32	+ 1 15.4	1.796	2.687	12.2	19.4
5 1	11 44.06	+ 1 31.1	1.880	2.688	15.4	19.7

36885 2000 SO_{159} 3 23.4 90°.76 0°.7/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.20	− 1 32.4	1.837	2.696	12.7	20.1
3 2	12 27.69	− 0 54.5	1.777	2.707	9.0	19.9
3 12	12 20.38	− 0 6.7	1.741	2.718	4.8	19.7
3 22	12 12.05	+ 0 45.8	1.732	2.728	0.8	19.4
4 1	12 3.66	+ 1 36.6	1.753	2.739	4.1	19.7
4 11	11 56.18	+ 2 19.6	1.800	2.750	8.2	19.9
4 21	11 50.37	+ 2 50.4	1.873	2.761	11.9	20.2
5 1	11 46.70	+ 3 6.5	1.966	2.771	14.9	20.4

2780 Monnig 3 23.4 325°.82 5°.4/27.1 18

2 21	12 32.74	−13 35.3	1.180	2.025	19.2	16.5
3 2	12 28.54	−13 54.1	1.104	2.014	15.1	16.2
3 12	12 21.39	−13 45.3	1.046	2.004	10.4	15.9
3 22	12 12.22	−13 9.1	1.011	1.995	6.3	15.6
4 1	12 2.49	−12 10.2	0.998	1.986	6.2	15.6
4 11	11 53.86	−10 58.8	1.010	1.978	10.5	15.8
4 21	11 47.69	− 9 46.8	1.042	1.970	15.5	16.0
5 1	11 44.83	− 8 44.9	1.093	1.964	20.0	16.3

499245 2009 UX_{147} 3 23.4 199°.66 0°.3/23.7 17

2 21	12 32.48	− 4 29.9	2.025	2.872	12.2	22.4
3 2	12 27.18	− 3 53.7	1.947	2.870	8.8	22.1
3 12	12 20.14	− 3 5.0	1.894	2.868	4.9	21.9
3 22	12 12.04	− 2 8.3	1.869	2.865	0.8	21.6
4 1	12 3.75	− 1 9.4	1.873	2.862	3.5	21.8
4 11	11 56.20	− 0 14.6	1.906	2.859	7.6	22.0
4 21	11 50.14	+ 0 30.8	1.964	2.856	11.2	22.2
5 1	11 46.09	+ 1 3.1	2.044	2.852	14.3	22.4

30993 1995 SA_{81} 3 23.4 224°.64 1°.4/21.8 18

2 21	12 32.05	+ 2 18.9	2.605	3.459	9.5	19.5
3 2	12 26.57	+ 2 48.1	2.522	3.452	6.7	19.3
3 12	12 19.69	+ 3 22.1	2.467	3.444	3.6	19.1
3 22	12 11.98	+ 3 57.1	2.441	3.435	1.4	18.9
4 1	12 4.11	+ 4 28.9	2.446	3.427	3.8	19.1
4 11	11 56.79	+ 4 53.6	2.480	3.418	6.9	19.3
4 21	11 50.64	+ 5 8.6	2.540	3.409	9.8	19.4
5 1	11 46.08	+ 5 12.2	2.623	3.399	12.3	19.6

157882 1999 RV_{1} 3 23.4 131°.12 0°.9/22.3 18

2 21	12 31.49	− 1 32.1	2.436	3.285	10.3	20.6
3 2	12 26.12	− 0 29.8	2.374	3.301	7.2	20.4
3 12	12 19.39	+ 0 40.7	2.340	3.316	3.8	20.2
3 22	12 11.93	+ 1 54.4	2.335	3.330	0.9	20.0
4 1	12 4.44	+ 3 5.5	2.360	3.344	3.6	20.2
4 11	11 57.65	+ 4 8.6	2.416	3.357	6.9	20.5
4 21	11 52.10	+ 4 59.8	2.497	3.370	9.9	20.7
5 1	11 48.21	+ 5 36.8	2.602	3.382	12.4	20.9

501049 2013 RT_{94} 3 23.4 222°.61 0°.8/24.3 17

2 21	12 34.28	− 5 34.3	2.245	3.081	11.5	21.8
3 2	12 28.40	− 5 14.9	2.155	3.071	8.4	21.6
3 12	12 20.81	− 4 44.0	2.091	3.061	4.9	21.3
3 22	12 12.13	− 4 4.6	2.055	3.050	1.2	21.1
4 1	12 3.20	− 3 21.0	2.049	3.038	3.2	21.2
4 11	11 54.89	− 2 38.5	2.072	3.026	7.0	21.4
4 21	11 47.95	− 2 2.0	2.122	3.014	10.5	21.6
5 1	11 42.93	− 1 35.1	2.195	3.000	13.5	21.8

95818 2003 FW_{79} 3 23.4 253°.42 0°.9/22.6 17

2 21	12 33.89	− 2 32.7	1.697	2.555	13.6	19.8
3 2	12 28.63	− 1 32.0	1.606	2.537	9.7	19.5
3 12	12 21.15	− 0 15.9	1.541	2.518	5.3	19.2
3 22	12 12.19	+ 1 9.6	1.502	2.498	1.0	18.8
4 1	12 2.80	+ 2 35.9	1.493	2.478	4.9	19.1
4 11	11 54.16	+ 3 53.6	1.510	2.458	9.7	19.3
4 21	11 47.26	+ 4 55.7	1.551	2.437	14.1	19.5
5 1	11 42.81	+ 5 37.6	1.613	2.415	17.8	19.7

62069 2000 RK_{76} 3 23.4 74°.43 8°.6/12.4 18

2 21	12 30.71	+17 7.0	1.679	2.561	12.3	18.7
3 2	12 26.13	+19 58.8	1.648	2.575	9.8	18.6
3 12	12 19.60	+22 42.1	1.644	2.588	8.6	18.5
3 22	12 11.97	+25 3.6	1.668	2.602	9.6	18.6
4 1	12 4.29	+26 53.2	1.718	2.615	11.9	18.8
4 11	11 57.63	+28 6.3	1.791	2.628	14.6	19.0
4 21	11 52.76	+28 43.5	1.884	2.642	17.0	19.2
5 1	11 50.17	+28 48.6	1.992	2.655	19.0	19.4

410268 2007 TJ_{142} 3 23.4 225°.81 1°.0/24.2 16

2 21	12 39.53	− 4 36.1	1.874	2.712	13.4	22.0
3 2	12 32.47	− 4 38.0	1.785	2.702	9.8	21.8
3 12	12 23.19	− 4 28.6	1.720	2.690	5.7	21.5
3 22	12 12.45	− 4 10.3	1.683	2.678	1.5	21.2
4 1	12 1.32	− 3 47.3	1.676	2.666	3.8	21.3
4 11	11 50.97	− 3 24.8	1.698	2.652	8.3	21.5
4 21	11 42.38	− 3 7.8	1.745	2.638	12.3	21.8
5 1	11 36.22	− 3 0.0	1.815	2.623	15.8	22.0

174591 2003 QL_{46} 3 23.4 189°.44 2°.2/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.97	+ 1 44.7	1.936	2.797	12.0	21.2
3 2	12 28.29	+ 2 54.8	1.864	2.797	8.4	21.0
3 12	12 20.77	+ 4 13.5	1.818	2.795	4.6	20.7
3 22	12 12.14	+ 5 33.9	1.801	2.793	2.3	20.6
4 1	12 3.34	+ 6 48.3	1.813	2.791	5.3	20.8
4 11	11 55.35	+ 7 49.8	1.853	2.787	9.2	21.0
4 21	11 48.95	+ 8 34.0	1.918	2.783	12.7	21.2
5 1	11 44.68	+ 8 59.0	2.004	2.778	15.7	21.4

412056 2013 EE_{26} 3 23.4 8°.38 1°.6/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.75	− 2 5.0	1.258	2.136	15.9	20.5
3 2	12 26.67	− 0 49.5	1.196	2.136	11.3	20.2
3 12	12 20.13	+ 0 43.7	1.157	2.137	6.0	19.9
3 22	12 12.07	+ 2 24.9	1.143	2.138	1.6	19.6
4 1	12 3.82	+ 4 2.1	1.154	2.140	6.0	19.9
4 11	11 56.73	+ 5 23.7	1.190	2.142	11.2	20.2
4 21	11 51.82	+ 6 22.4	1.247	2.144	15.9	20.5
5 1	11 49.70	+ 6 54.7	1.323	2.147	19.8	20.8

34540 2000 SW_{225} 3 23.4 196°.36 2°.8/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.42	+ 5 48.1	2.459	3.327	9.5	18.9
3 2	12 24.75	+ 6 48.4	2.391	3.326	6.7	18.7
3 12	12 18.71	+ 7 52.0	2.350	3.325	3.9	18.5
3 22	12 11.88	+ 8 53.4	2.338	3.324	2.9	18.5
4 1	12 4.95	+ 9 47.3	2.355	3.323	5.1	18.6
4 11	11 58.63	+10 29.1	2.400	3.322	8.0	18.8
4 21	11 53.48	+10 56.3	2.470	3.321	10.7	18.9
5 1	11 49.95	+11 7.7	2.562	3.319	13.1	19.1

373342 2012 JG_{43} 3 23.4 351°.53 1°.2/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.72	− 6 29.9	1.578	2.432	14.6	21.0
3 2	12 27.04	− 6 3.6	1.506	2.430	10.7	20.8
3 12	12 20.23	− 5 20.2	1.456	2.428	6.2	20.5
3 22	12 12.10	− 4 24.4	1.432	2.427	1.7	20.2
4 1	12 3.73	− 3 22.9	1.435	2.426	4.0	20.4
4 11	11 56.30	− 2 24.0	1.464	2.425	8.6	20.6
4 21	11 50.70	− 1 34.7	1.517	2.425	12.9	20.9
5 1	11 47.54	− 0 59.9	1.591	2.425	16.6	21.1

402085 2003 UN_{226} 3 23.4 111°.37 2°.4/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.02	−10 30.7	1.752	2.581	14.6	21.4
3 2	12 29.10	−10 5.6	1.689	2.597	10.9	21.2
3 12	12 21.21	− 9 21.7	1.650	2.613	6.8	21.0
3 22	12 12.21	− 8 22.9	1.637	2.628	3.0	20.8
4 1	12 3.16	− 7 15.5	1.653	2.642	3.8	20.9
4 11	11 55.11	− 6 7.3	1.696	2.657	7.7	21.1
4 21	11 48.88	− 5 5.4	1.765	2.670	11.5	21.4
5 1	11 44.96	− 4 15.4	1.856	2.684	14.8	21.6

435951 2009 DG_{11} 3 23.4 78°.83 3°.0/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.18	+ 6 27.6	2.156	3.024	10.6	20.8
3 2	12 26.73	+ 7 15.6	2.105	3.040	7.5	20.7
3 12	12 19.79	+ 8 5.4	2.080	3.055	4.3	20.5
3 22	12 12.03	+ 8 51.5	2.083	3.070	3.1	20.4
4 1	12 4.29	+ 9 28.6	2.116	3.086	5.4	20.6
4 11	11 57.36	+ 9 52.6	2.176	3.101	8.5	20.8
4 21	11 51.86	+10 1.8	2.260	3.116	11.4	21.0
5 1	11 48.20	+ 9 55.6	2.366	3.131	13.8	21.2

229778 2008 NX_{4} 3 23.4 164°.91 4°.7/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.32	+12 52.5	2.399	3.266	9.8	20.8
3 2	12 27.50	+13 58.2	2.342	3.271	7.2	20.6
3 12	12 20.21	+15 1.4	2.313	3.275	5.1	20.5
3 22	12 12.09	+15 56.1	2.312	3.279	5.0	20.5
4 1	12 3.91	+16 36.8	2.340	3.282	6.9	20.6
4 11	11 56.47	+17 0.3	2.396	3.285	9.4	20.8
4 21	11 50.36	+17 5.6	2.475	3.288	11.9	21.0
5 1	11 46.03	+16 53.2	2.575	3.290	14.0	21.1

211276 2002 RV_{114} 3 23.4 256°.46 2°.2/25.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.94	− 9 48.6	1.765	2.600	14.2	20.7
3 2	12 27.90	− 9 19.5	1.674	2.586	10.7	20.5
3 12	12 20.74	− 8 30.8	1.606	2.571	6.7	20.2
3 22	12 12.18	− 7 25.6	1.565	2.557	2.7	19.9
4 1	12 3.25	− 6 10.0	1.551	2.541	3.8	19.9
4 11	11 55.06	− 4 52.4	1.565	2.526	8.2	20.2
4 21	11 48.55	− 3 40.8	1.604	2.510	12.4	20.4
5 1	11 44.39	− 2 41.9	1.665	2.494	16.1	20.6

204665 2006 DB_{4} 3 23.4 21°.02 1°.4/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.32	− 1 11.9	1.044	1.933	17.6	19.8
3 2	12 27.33	− 0 25.4	0.995	1.939	12.4	19.6
3 12	12 20.56	+ 0 37.1	0.966	1.947	6.7	19.3
3 22	12 12.16	+ 1 46.3	0.960	1.955	1.5	19.0
4 1	12 3.66	+ 2 50.9	0.977	1.965	6.1	19.3
4 11	11 56.61	+ 3 40.4	1.017	1.976	11.8	19.6
4 21	11 52.08	+ 4 8.6	1.078	1.988	16.7	19.9
5 1	11 50.64	+ 4 13.4	1.155	2.001	20.7	20.2

480464 2015 LR_{7} 3 23.4 311°.43 2°.4/26.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 27.39	−12 42.4	2.039	2.863	13.0	20.7
3 2	12 23.71	−11 51.7	1.941	2.845	9.9	20.5
3 12	12 18.34	−10 39.6	1.868	2.827	6.4	20.2
3 22	12 11.89	− 9 9.6	1.821	2.810	3.1	20.0
4 1	12 5.16	− 7 27.7	1.803	2.793	3.4	19.9
4 11	11 59.04	− 5 42.5	1.813	2.776	7.1	20.1
4 21	11 54.27	− 4 2.4	1.850	2.760	10.8	20.3
5 1	11 51.41	− 2 34.5	1.910	2.744	14.2	20.5

114925 2003 QX_{41} 3 23.4 195°.88 0°.6/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.19	− 4 53.4	2.126	2.963	12.0	20.9
3 2	12 29.81	− 4 27.7	2.043	2.960	8.8	20.7
3 12	12 21.62	− 3 50.1	1.985	2.956	5.0	20.5
3 22	12 12.30	− 3 4.4	1.956	2.952	1.0	20.2
4 1	12 2.77	− 2 15.4	1.957	2.946	3.4	20.3
4 11	11 53.97	− 1 29.0	1.987	2.940	7.4	20.6
4 21	11 46.67	− 0 50.2	2.044	2.933	11.0	20.8
5 1	11 41.42	− 0 22.6	2.124	2.925	14.1	21.0

353378 2011 LG_{19} 3 23.4 252°.22 4°.5/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.64	−18 23.2	2.498	3.276	12.2	20.9
3 2	12 25.79	−18 21.8	2.399	3.265	9.9	20.7
3 12	12 19.40	−18 2.1	2.324	3.253	7.3	20.5
3 22	12 12.03	−17 24.8	2.275	3.242	5.1	20.4
4 1	12 4.40	−16 32.5	2.255	3.230	4.6	20.3
4 11	11 57.31	−15 30.1	2.263	3.218	6.5	20.4
4 21	11 51.43	−14 23.6	2.298	3.205	9.1	20.5
5 1	11 47.27	−13 18.8	2.357	3.193	11.8	20.7

466140 2012 HG_{16} 3 23.4 288°.42 14°.6/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.01	+41 37.2	1.922	2.704	15.3	21.1
3 2	12 41.15	+42 53.4	1.859	2.671	14.7	21.0
3 12	12 28.12	+43 42.0	1.818	2.638	14.7	20.9
3 22	12 13.15	+43 52.0	1.798	2.604	15.6	20.9
4 1	11 57.97	+43 17.0	1.800	2.570	17.0	20.9
4 11	11 44.35	+41 57.4	1.821	2.536	18.8	21.0
4 21	11 33.57	+39 59.2	1.860	2.501	20.7	21.1
5 1	11 26.30	+37 31.1	1.912	2.466	22.3	21.1

363524 2003 UO_{201} 3 23.4 208°.35 0°.3/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.62	− 2 43.1	2.074	2.919	12.0	22.1
3 2	12 29.47	− 2 7.6	1.990	2.913	8.6	21.9
3 12	12 21.47	− 1 21.3	1.931	2.905	4.7	21.7
3 22	12 12.32	− 0 28.5	1.901	2.897	0.6	21.3
4 1	12 2.92	+ 0 25.1	1.901	2.888	3.8	21.6
4 11	11 54.24	+ 1 13.4	1.930	2.878	7.9	21.8
4 21	11 47.08	+ 1 51.7	1.985	2.868	11.5	22.0
5 1	11 41.99	+ 2 16.7	2.062	2.857	14.7	22.2

195537 2002 JJ_{44} 3 23.4 280°.16 0°.1/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.89	− 1 57.1	1.952	2.803	12.3	19.3
3 2	12 29.13	− 1 47.6	1.860	2.786	8.9	19.1
3 12	12 21.38	− 1 28.8	1.793	2.768	5.0	18.8
3 22	12 12.32	− 1 4.0	1.753	2.750	0.6	18.4
4 1	12 2.88	− 0 37.9	1.743	2.731	3.8	18.6
4 11	11 54.11	− 0 15.7	1.760	2.713	8.1	18.9
4 21	11 46.90	− 0 1.6	1.803	2.695	12.1	19.1
5 1	11 41.87	+ 0 1.2	1.867	2.676	15.4	19.2

64942 2001 YO_{120} 3 23.4 44°.97 2°.5/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.16	+ 2 42.9	1.744	2.615	12.6	19.5
3 2	12 27.14	+ 3 39.7	1.679	2.616	8.8	19.3
3 12	12 20.21	+ 4 43.8	1.640	2.618	4.8	19.1
3 22	12 12.15	+ 5 48.4	1.628	2.620	2.5	18.9
4 1	12 3.96	+ 6 45.8	1.643	2.622	5.6	19.1
4 11	11 56.67	+ 7 29.7	1.686	2.624	9.6	19.4
4 21	11 51.07	+ 7 56.3	1.751	2.626	13.2	19.6
5 1	11 47.69	+ 8 4.0	1.837	2.628	16.3	19.8

171923 2001 SZ_{140} 3 23.4 80°.23 0°.2/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.71	− 2 9.2	2.338	3.183	10.8	20.1
3 2	12 27.66	− 1 44.4	2.289	3.212	7.6	20.0
3 12	12 20.25	− 1 12.1	2.266	3.240	4.1	19.8
3 22	12 12.14	− 0 35.9	2.272	3.269	0.5	19.6
4 1	12 4.10	− 0 0.4	2.309	3.296	3.2	19.8
4 11	11 56.86	+ 0 30.3	2.374	3.324	6.5	20.1
4 21	11 51.00	+ 0 53.0	2.466	3.351	9.5	20.3
5 1	11 46.89	+ 1 5.5	2.582	3.377	12.0	20.5

56326 1999 VV_{203} 3 23.4 138°.42 4°.4/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.01	+13 36.8	2.454	3.315	9.8	17.4
3 2	12 29.37	+14 1.3	2.391	3.317	7.2	17.2
3 12	12 21.24	+14 21.8	2.356	3.319	5.0	17.1
3 22	12 12.28	+14 33.6	2.349	3.321	4.5	17.1
4 1	12 3.28	+14 33.2	2.372	3.323	6.3	17.2
4 11	11 55.05	+14 18.3	2.423	3.325	8.8	17.3
4 21	11 48.21	+13 48.9	2.499	3.326	11.4	17.5
5 1	11 43.19	+13 6.0	2.597	3.328	13.5	17.7

505034 2011 QJ_{77} 3 23.4 177°.48 0°.3/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.72	− 4 39.2	2.730	3.569	9.6	22.6
3 2	12 24.88	− 4 2.0	2.651	3.570	6.9	22.4
3 12	12 18.79	− 3 15.5	2.599	3.571	3.9	22.2
3 22	12 11.97	− 2 23.0	2.576	3.571	0.7	21.9
4 1	12 5.04	− 1 28.9	2.583	3.572	2.7	22.1
4 11	11 58.65	− 0 37.6	2.620	3.572	5.9	22.3
4 21	11 53.32	+ 0 6.8	2.684	3.571	8.7	22.5
5 1	11 49.47	+ 0 41.5	2.772	3.571	11.2	22.7

381439 2008 QS_{9} 3 23.4 218°.65 0°.6/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.46	− 4 59.6	2.341	3.178	11.1	21.7
3 2	12 27.78	− 4 36.9	2.253	3.170	8.1	21.5
3 12	12 20.49	− 4 3.3	2.190	3.161	4.6	21.3
3 22	12 12.21	− 3 22.2	2.156	3.152	1.0	21.0
4 1	12 3.70	− 2 37.8	2.153	3.142	3.1	21.2
4 11	11 55.79	− 1 55.2	2.178	3.132	6.8	21.4
4 21	11 49.19	− 1 18.9	2.230	3.121	10.1	21.6
5 1	11 44.39	− 0 52.4	2.306	3.110	13.0	21.7

369065 2008 EO_{48} 3 23.4 264°.88 0°.5/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.37	− 2 44.1	1.705	2.565	13.4	21.1
3 2	12 27.41	− 1 58.9	1.631	2.562	9.6	20.8
3 12	12 20.43	− 1 0.4	1.581	2.558	5.2	20.6
3 22	12 12.20	+ 0 5.5	1.559	2.555	0.7	20.2
4 1	12 3.76	+ 1 11.4	1.563	2.551	4.3	20.5
4 11	11 56.18	+ 2 9.7	1.595	2.548	8.9	20.7
4 21	11 50.32	+ 2 54.6	1.651	2.544	12.9	21.0
5 1	11 46.76	+ 3 22.5	1.728	2.541	16.3	21.2

496660 2016 BP_{26} 3 23.4 352°.62 2°.0/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.53	+ 0 56.4	1.215	2.099	16.0	20.9
3 2	12 28.10	+ 1 34.6	1.152	2.094	11.4	20.6
3 12	12 21.02	+ 2 24.6	1.110	2.091	6.1	20.3
3 22	12 12.29	+ 3 18.6	1.093	2.088	2.0	20.0
4 1	12 3.29	+ 4 7.3	1.100	2.086	6.2	20.3
4 11	11 55.50	+ 4 41.9	1.131	2.085	11.5	20.6
4 21	11 50.01	+ 4 57.3	1.183	2.085	16.3	20.8
5 1	11 47.50	+ 4 51.4	1.253	2.085	20.2	21.1

326718 2003 EE_{31} 3 23.4 19°.89 1°.3/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.36	− 3 31.9	1.476	2.347	14.5	20.2
3 2	12 24.69	− 1 55.9	1.414	2.350	10.2	20.0
3 12	12 18.97	− 0 2.0	1.375	2.354	5.4	19.7
3 22	12 12.02	+ 2 0.2	1.363	2.359	1.3	19.4
4 1	12 4.93	+ 3 59.0	1.378	2.363	5.3	19.7
4 11	11 58.83	+ 5 43.0	1.420	2.369	10.0	20.0
4 21	11 54.55	+ 7 4.6	1.484	2.375	14.3	20.2
5 1	11 52.63	+ 8 0.1	1.569	2.381	17.7	20.5

132428 2002 GK_{151} 3 23.4 226°.96 0°.1/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.35	− 3 52.2	2.181	3.028	11.4	20.4
3 2	12 26.35	− 3 7.3	2.097	3.021	8.2	20.2
3 12	12 19.74	− 2 10.8	2.040	3.014	4.5	19.9
3 22	12 12.12	− 1 6.9	2.010	3.006	0.6	19.6
4 1	12 4.30	− 0 1.5	2.010	2.998	3.5	19.8
4 11	11 57.12	+ 0 59.1	2.038	2.990	7.3	20.1
4 21	11 51.28	+ 1 49.8	2.093	2.981	10.8	20.3
5 1	11 47.29	+ 2 27.1	2.170	2.972	13.8	20.4

27569 2000 QW_{122} 3 23.4 15°.02 1°.9/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.69	−10 26.7	2.208	3.036	12.0	18.9
3 2	12 24.42	− 9 48.5	2.129	3.036	9.0	18.7
3 12	12 18.65	− 8 54.2	2.074	3.037	5.6	18.4
3 22	12 11.97	− 7 47.3	2.047	3.038	2.4	18.2
4 1	12 5.16	− 6 33.1	2.049	3.039	3.1	18.3
4 11	11 59.00	− 5 18.1	2.080	3.041	6.5	18.5
4 21	11 54.13	− 4 8.7	2.136	3.042	9.8	18.7
5 1	11 51.03	− 3 9.7	2.217	3.043	12.7	18.9

370700 2004 KV_{11} 3 23.4 209°.21 6°.2/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.73	+16 16.1	2.257	3.124	10.3	21.2
3 2	12 28.00	+17 42.4	2.195	3.118	7.9	21.0
3 12	12 20.61	+19 4.4	2.159	3.111	6.3	20.9
3 22	12 12.23	+20 14.7	2.152	3.103	6.6	20.9
4 1	12 3.69	+21 6.8	2.173	3.095	8.5	21.0
4 11	11 55.88	+21 36.9	2.220	3.087	11.0	21.2
4 21	11 49.49	+21 44.2	2.290	3.077	13.5	21.3
5 1	11 45.03	+21 30.0	2.378	3.067	15.6	21.5

209970 2006 HH_{11} 3 23.4 232°.18 1°.8/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.43	− 0 17.1	1.732	2.595	13.1	20.9
3 2	12 28.20	+ 0 51.6	1.652	2.586	9.2	20.7
3 12	12 20.90	+ 2 12.9	1.598	2.576	5.0	20.4
3 22	12 12.28	+ 3 39.5	1.571	2.565	1.8	20.1
4 1	12 3.37	+ 5 2.6	1.573	2.555	5.3	20.4
4 11	11 55.28	+ 6 13.8	1.601	2.543	9.7	20.6
4 21	11 48.90	+ 7 7.2	1.654	2.532	13.8	20.8
5 1	11 44.86	+ 7 39.8	1.727	2.519	17.2	21.0

292911 2006 VB_{55} 3 23.4 167°.24 0°.2/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.08	− 2 28.8	3.023	3.864	8.7	22.4
3 2	12 25.01	− 1 53.6	2.947	3.869	6.2	22.3
3 12	12 18.83	− 1 11.4	2.899	3.873	3.4	22.1
3 22	12 12.00	− 0 25.4	2.880	3.876	0.4	21.8
4 1	12 5.08	+ 0 20.6	2.893	3.879	2.7	22.0
4 11	11 58.67	+ 1 2.8	2.935	3.882	5.6	22.2
4 21	11 53.23	+ 1 38.1	3.005	3.884	8.2	22.4
5 1	11 49.14	+ 2 4.2	3.099	3.886	10.4	22.6

307138 2002 CU_{177} 3 23.4 118°.50 3°.2/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.77	+ 6 25.1	2.264	3.128	10.4	21.5
3 2	12 27.80	+ 7 36.0	2.217	3.149	7.3	21.4
3 12	12 20.38	+ 8 48.9	2.196	3.170	4.3	21.2
3 22	12 12.19	+ 9 57.4	2.206	3.190	3.3	21.2
4 1	12 4.04	+10 55.6	2.245	3.210	5.6	21.3
4 11	11 56.70	+11 39.1	2.312	3.228	8.5	21.6
4 21	11 50.78	+12 5.8	2.405	3.246	11.3	21.8
5 1	11 46.68	+12 15.5	2.518	3.264	13.6	22.0

101069 1998 RX_{14} 3 23.4 104°.51 3°.2/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 39.71	−11 1.8	1.552	2.378	16.2	19.4
3 2	12 32.60	−10 58.7	1.496	2.401	12.2	19.2
3 12	12 23.22	−10 35.3	1.463	2.423	7.8	19.0
3 22	12 12.56	− 9 54.6	1.456	2.444	3.8	18.8
4 1	12 1.92	− 9 2.5	1.477	2.465	4.4	18.9
4 11	11 52.54	− 8 7.1	1.525	2.485	8.4	19.2
4 21	11 45.35	− 7 16.0	1.598	2.504	12.4	19.5
5 1	11 40.86	− 6 35.1	1.692	2.523	15.9	19.7

262836 2007 BN_{3} 3 23.5 146°.07 1°.5/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.48	− 8 12.3	2.187	3.014	12.1	21.6
3 2	12 28.48	− 7 46.7	2.116	3.025	8.9	21.4
3 12	12 20.84	− 7 7.4	2.070	3.035	5.4	21.2
3 22	12 12.27	− 6 17.6	2.052	3.045	1.9	21.0
4 1	12 3.60	− 5 22.5	2.064	3.054	3.1	21.1
4 11	11 55.71	− 4 27.8	2.105	3.062	6.7	21.4
4 21	11 49.27	− 3 38.7	2.173	3.070	10.1	21.6
5 1	11 44.77	− 2 59.5	2.265	3.077	13.0	21.8

169350 2001 US_{5} 3 23.5 59°.08 7°.1/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.33	+19 39.1	2.083	2.951	11.0	19.1
3 2	12 27.64	+20 44.8	2.046	2.965	8.7	19.0
3 12	12 20.33	+21 41.0	2.035	2.979	7.2	18.9
3 22	12 12.19	+22 21.1	2.051	2.994	7.5	19.0
4 1	12 4.12	+22 40.2	2.094	3.008	9.2	19.1
4 11	11 56.99	+22 36.5	2.161	3.023	11.5	19.3
4 21	11 51.44	+22 11.0	2.249	3.038	13.7	19.5
5 1	11 47.89	+21 26.4	2.357	3.053	15.6	19.6

164692 1997 TM_{21} 3 23.5 112°.49 0°.4/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.18	− 4 43.8	2.175	3.020	11.5	20.8
3 2	12 26.16	− 4 11.0	2.104	3.026	8.3	20.6
3 12	12 19.59	− 3 27.0	2.058	3.031	4.6	20.4
3 22	12 12.11	− 2 35.7	2.040	3.036	0.8	20.1
4 1	12 4.53	− 1 42.4	2.052	3.041	3.2	20.3
4 11	11 57.66	− 0 52.7	2.091	3.046	6.9	20.5
4 21	11 52.14	− 0 11.2	2.157	3.051	10.3	20.8
5 1	11 48.46	+ 0 18.8	2.246	3.056	13.1	20.9

492485 2014 NY_{53} 3 23.5 206°.69 4°.0/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.95	+ 6 50.2	1.825	2.694	12.2	22.0
3 2	12 29.87	+ 7 59.3	1.754	2.689	8.7	21.8
3 12	12 21.76	+ 9 12.5	1.709	2.683	5.3	21.5
3 22	12 12.41	+10 22.0	1.692	2.676	4.1	21.5
4 1	12 2.84	+11 19.9	1.703	2.669	6.9	21.6
4 11	11 54.14	+12 0.1	1.741	2.661	10.6	21.8
4 21	11 47.17	+12 19.6	1.803	2.653	14.1	22.0
5 1	11 42.53	+12 18.2	1.885	2.644	17.1	22.2

224327 2005 UH_{50} 3 23.5 203°.41 0°.6/24.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.73	− 5 33.7	2.347	3.181	11.1	22.0
3 2	12 27.96	− 5 3.6	2.260	3.176	8.1	21.7
3 12	12 20.60	− 4 21.8	2.200	3.170	4.6	21.5
3 22	12 12.26	− 3 32.0	2.168	3.164	1.1	21.2
4 1	12 3.71	− 2 38.7	2.167	3.157	3.1	21.4
4 11	11 55.79	− 1 47.4	2.195	3.149	6.7	21.6
4 21	11 49.17	− 1 2.9	2.251	3.140	10.1	21.8
5 1	11 44.37	− 0 28.8	2.329	3.131	13.0	22.0

36552 2000 QH_{102} 3 23.5 234°.35 3°.2/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.07	+ 5 11.8	1.751	2.618	12.8	18.8
3 2	12 30.82	+ 6 0.2	1.672	2.606	9.1	18.5
3 12	12 22.36	+ 6 54.0	1.618	2.594	5.2	18.2
3 22	12 12.50	+ 7 46.2	1.592	2.581	3.3	18.1
4 1	12 2.32	+ 8 29.6	1.594	2.568	6.3	18.2
4 11	11 53.00	+ 8 58.0	1.623	2.554	10.4	18.5
4 21	11 45.49	+ 9 8.2	1.676	2.540	14.3	18.7
5 1	11 40.45	+ 8 59.3	1.748	2.525	17.6	18.8

465703 2009 TH_{25} 3 23.5 205°.13 1°.5/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.23	− 9 20.0	2.322	3.145	11.6	22.7
3 2	12 26.93	− 8 38.8	2.233	3.140	8.7	22.5
3 12	12 20.05	− 7 42.4	2.169	3.134	5.3	22.3
3 22	12 12.20	− 6 34.2	2.135	3.127	2.0	22.1
4 1	12 4.14	− 5 19.4	2.130	3.120	3.0	22.1
4 11	11 56.70	− 4 4.4	2.155	3.112	6.6	22.3
4 21	11 50.56	− 2 55.2	2.207	3.103	10.0	22.5
5 1	11 46.22	− 1 56.7	2.283	3.094	12.9	22.7

277150 2005 MB_{14} 3 23.5 41°.74 4°.7/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.81	+ 7 4.0	1.465	2.348	13.8	20.2
3 2	12 27.87	+ 8 23.6	1.411	2.352	9.8	19.9
3 12	12 20.72	+ 9 46.9	1.381	2.357	6.0	19.7
3 22	12 12.28	+11 4.2	1.377	2.361	5.0	19.7
4 1	12 3.75	+12 6.0	1.400	2.366	8.0	19.9
4 11	11 56.33	+12 45.4	1.447	2.372	12.0	20.1
4 21	11 50.91	+13 0.1	1.515	2.377	15.7	20.3
5 1	11 48.02	+12 50.6	1.602	2.383	18.8	20.6

512302 2016 GS_{255} 3 23.5 270°.24 7°.1/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.23	+16 21.7	1.994	2.871	10.9	21.2
3 2	12 25.76	+18 24.5	1.933	2.860	8.5	21.0
3 12	12 19.50	+20 24.1	1.898	2.848	7.2	20.9
3 22	12 12.13	+22 10.4	1.892	2.837	7.8	20.9
4 1	12 4.54	+23 34.9	1.912	2.825	10.1	21.0
4 11	11 57.67	+24 32.1	1.958	2.813	12.8	21.2
4 21	11 52.30	+25 0.8	2.024	2.801	15.4	21.3
5 1	11 48.97	+25 2.2	2.106	2.790	17.6	21.5

85107 3144 $T\text{-}_3$ 3 23.5 183°.68 0°.4/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.95	− 5 26.7	1.994	2.837	12.4	20.4
3 2	12 27.59	− 4 44.6	1.917	2.838	9.0	20.2
3 12	12 20.45	− 3 48.8	1.866	2.838	5.1	19.9
3 22	12 12.25	− 2 43.9	1.842	2.837	0.9	19.6
4 1	12 3.88	− 1 36.1	1.847	2.837	3.5	19.8
4 11	11 56.27	− 0 32.4	1.881	2.835	7.6	20.1
4 21	11 50.17	+ 0 21.6	1.941	2.834	11.3	20.3
5 1	11 46.12	+ 1 1.9	2.023	2.831	14.4	20.5

212585 2006 SQ_{159} 3 23.5 99°.88 1°.2/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.00	+ 0 47.8	2.353	3.210	10.3	21.3
3 2	12 25.91	+ 1 25.5	2.288	3.218	7.2	21.2
3 12	12 19.41	+ 2 9.4	2.250	3.227	3.9	21.0
3 22	12 12.11	+ 2 55.1	2.240	3.234	1.2	20.8
4 1	12 4.75	+ 3 37.8	2.259	3.242	3.8	21.0
4 11	11 58.07	+ 4 13.0	2.307	3.250	7.1	21.2
4 21	11 52.66	+ 4 37.5	2.382	3.258	10.1	21.4
5 1	11 48.93	+ 4 49.4	2.478	3.266	12.7	21.6

346106 2007 VV_{79} 3 23.5 23°.91 0°.1/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.54	− 3 35.4	1.830	2.687	12.8	20.8
3 2	12 25.93	− 3 7.2	1.765	2.693	9.1	20.6
3 12	12 19.55	− 2 27.4	1.725	2.700	5.1	20.4
3 22	12 12.14	− 1 40.5	1.711	2.707	0.7	20.1
4 1	12 4.63	− 0 52.4	1.725	2.715	3.7	20.3
4 11	11 57.96	− 0 9.3	1.767	2.723	7.8	20.6
4 21	11 52.86	+ 0 23.9	1.833	2.732	11.5	20.8
5 1	11 49.83	+ 0 44.0	1.920	2.741	14.6	21.0

382289 2012 UO_3 3 23.5 35°.08 2°.9/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.35	+ 5 24.6	2.035	2.906	11.1	21.1
3 2	12 26.36	+ 6 15.1	1.972	2.908	7.8	20.9
3 12	12 19.73	+ 7 9.2	1.934	2.911	4.5	20.7
3 22	12 12.16	+ 8 1.1	1.925	2.913	3.0	20.6
4 1	12 4.49	+ 8 44.6	1.943	2.916	5.5	20.8
4 11	11 57.60	+ 9 15.0	1.989	2.919	8.9	21.0
4 21	11 52.16	+ 9 29.7	2.059	2.922	12.1	21.2
5 1	11 48.65	+ 9 27.7	2.150	2.925	14.7	21.4

466715 2014 WF_{486} 3 23.5 109°.21 1°.9/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.98	+ 1 59.8	1.871	2.733	12.3	21.9
3 2	12 28.96	+ 2 44.4	1.815	2.748	8.6	21.7
3 12	12 21.15	+ 3 35.5	1.785	2.762	4.6	21.5
3 22	12 12.34	+ 4 27.2	1.782	2.776	1.9	21.3
4 1	12 3.53	+ 5 13.0	1.809	2.790	4.9	21.5
4 11	11 55.67	+ 5 47.6	1.863	2.803	8.7	21.8
4 21	11 49.49	+ 6 7.9	1.941	2.816	12.2	22.0
5 1	11 45.47	+ 6 12.4	2.041	2.828	15.0	22.2

406028 2006 TM_{77} 3 23.5 75°.29 1°.4/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 39.26	− 6 10.5	1.643	2.484	14.8	21.4
3 2	12 32.03	− 6 1.9	1.599	2.516	10.7	21.2
3 12	12 22.79	− 5 39.0	1.579	2.549	6.2	21.0
3 22	12 12.55	− 5 6.0	1.586	2.581	1.9	20.8
4 1	12 2.46	− 4 28.6	1.622	2.612	3.8	21.0
4 11	11 53.66	− 3 53.1	1.686	2.643	8.0	21.3
4 21	11 46.89	− 3 24.8	1.774	2.674	11.8	21.6
5 1	11 42.61	− 3 7.1	1.885	2.704	14.9	21.9

115206 2003 SD_{118} 3 23.5 324°.16 3°.6/27.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.78	−14 40.0	1.519	2.346	16.5	19.5
3 2	12 26.54	−13 54.5	1.441	2.344	12.8	19.3
3 12	12 20.08	−12 40.7	1.386	2.343	8.5	19.0
3 22	12 12.23	−11 2.6	1.355	2.341	4.5	18.8
4 1	12 4.12	− 9 8.4	1.350	2.340	4.5	18.8
4 11	11 56.98	− 7 9.8	1.373	2.339	8.5	19.0
4 21	11 51.75	− 5 18.6	1.420	2.338	12.9	19.3
5 1	11 49.04	− 3 43.7	1.489	2.337	16.8	19.5

90867 1996 SX_6 3 23.5 146°.62 3°.0/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.62	−12 27.8	2.033	2.849	13.3	20.2
3 2	12 27.35	−12 9.1	1.956	2.854	10.2	20.0
3 12	12 20.33	−11 32.3	1.903	2.859	6.7	19.8
3 22	12 12.26	−10 40.0	1.877	2.863	3.5	19.6
4 1	12 4.03	− 9 37.1	1.880	2.867	3.7	19.6
4 11	11 56.57	− 8 30.4	1.910	2.871	7.0	19.8
4 21	11 50.63	− 7 26.4	1.967	2.875	10.4	20.0
5 1	11 46.71	− 6 30.9	2.047	2.878	13.5	20.2

235712 2004 TH_{96} 3 23.5 180°.93 0°.3/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.66	− 5 4.5	2.072	2.918	12.0	21.4
3 2	12 26.62	− 4 20.9	1.996	2.918	8.6	21.2
3 12	12 19.91	− 3 24.3	1.945	2.918	4.8	21.0
3 22	12 12.21	− 2 19.5	1.923	2.918	0.8	20.7
4 1	12 4.34	− 1 12.4	1.929	2.918	3.4	20.9
4 11	11 57.21	− 0 9.5	1.964	2.918	7.4	21.1
4 21	11 51.49	+ 0 43.6	2.024	2.917	10.9	21.3
5 1	11 47.71	+ 1 23.3	2.108	2.916	13.9	21.5

420088 2011 EC_{53} 3 23.5 288°.01 2°.4/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.40	+ 1 5.5	1.878	2.747	11.9	20.5
3 2	12 25.15	+ 2 38.7	1.807	2.744	8.3	20.3
3 12	12 19.15	+ 4 22.4	1.763	2.742	4.5	20.0
3 22	12 12.11	+ 6 8.6	1.747	2.739	2.5	19.9
4 1	12 4.90	+ 7 48.2	1.760	2.736	5.6	20.1
4 11	11 58.45	+ 9 12.9	1.801	2.734	9.4	20.3
4 21	11 53.49	+10 17.6	1.865	2.731	13.0	20.5
5 1	11 50.54	+10 59.9	1.950	2.729	15.9	20.7

181691 4089 $T\text{-}_2$ 3 23.5 148°.09 1°.3/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.96	− 0 3.2	2.157	3.010	11.2	21.0
3 2	12 28.11	+ 0 49.6	2.092	3.021	7.9	20.8
3 12	12 20.66	+ 1 50.5	2.054	3.030	4.2	20.5
3 22	12 12.30	+ 2 53.9	2.044	3.039	1.3	20.3
4 1	12 3.88	+ 3 53.9	2.065	3.048	4.1	20.6
4 11	11 56.24	+ 4 44.7	2.114	3.056	7.8	20.8
4 21	11 50.05	+ 5 22.7	2.190	3.063	11.0	21.0
5 1	11 45.77	+ 5 45.7	2.287	3.069	13.8	21.2

370074 2001 RW_{83} 3 23.5 211°.89 1°.3/24.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.03	− 6 30.9	2.284	3.112	11.6	22.7
3 2	12 29.69	− 6 21.3	2.194	3.104	8.6	22.5
3 12	12 21.61	− 6 0.1	2.129	3.096	5.1	22.2
3 22	12 12.44	− 5 29.8	2.094	3.087	1.7	22.0
4 1	12 3.01	− 4 54.2	2.088	3.078	3.2	22.1
4 11	11 54.21	− 4 18.4	2.112	3.067	6.8	22.3
4 21	11 46.79	− 3 46.7	2.163	3.056	10.3	22.5
5 1	11 41.32	− 3 23.2	2.238	3.044	13.3	22.6

386240 2008 AU_{58} 3 23.5 7°.44 6°.5/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.75	−20 23.7	1.980	2.759	15.0	20.0
3 2	12 26.92	−20 56.9	1.900	2.760	12.3	19.8
3 12	12 20.19	−21 8.2	1.842	2.762	9.6	19.7
3 22	12 12.26	−20 56.9	1.808	2.764	7.2	19.5
4 1	12 4.06	−20 25.0	1.800	2.766	6.5	19.5
4 11	11 56.61	−19 37.8	1.818	2.769	8.1	19.6
4 21	11 50.74	−18 42.1	1.862	2.773	10.7	19.7
5 1	11 47.03	−17 45.4	1.928	2.777	13.5	19.9

27977 Distratis 3 23.5 204°.98 4°.8/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.39	−17 13.3	2.323	3.102	13.0	19.4
3 2	12 30.02	−17 31.2	2.229	3.096	10.5	19.2
3 12	12 21.84	−17 31.3	2.159	3.090	7.7	19.0
3 22	12 12.48	−17 13.6	2.116	3.084	5.3	18.8
4 1	12 2.81	−16 40.2	2.102	3.076	5.0	18.8
4 11	11 53.77	−15 55.7	2.117	3.068	7.1	18.9
4 21	11 46.14	−15 6.1	2.159	3.060	9.9	19.0
5 1	11 40.51	−14 17.3	2.224	3.050	12.7	19.2

311783 2006 UL_{59} 3 23.5 189°.20 3°.9/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.80	−18 21.2	2.743	3.518	11.4	21.1
3 2	12 25.05	−18 1.7	2.652	3.517	9.1	21.0
3 12	12 18.97	−17 24.8	2.586	3.516	6.6	20.8
3 22	12 12.10	−16 31.8	2.546	3.515	4.5	20.7
4 1	12 5.08	−15 26.1	2.535	3.513	4.0	20.6
4 11	11 58.59	−14 12.6	2.554	3.511	5.7	20.7
4 21	11 53.22	−12 57.1	2.601	3.508	8.2	20.9
5 1	11 49.38	−11 45.1	2.673	3.505	10.6	21.0

268041 2004 PY_{105} 3 23.5 268°.16 0°.3/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 35.03	− 2 3.6	2.070	2.918	11.9	21.0
3 2	12 29.24	− 1 39.8	1.969	2.893	8.6	20.8
3 12	12 21.51	− 1 5.9	1.893	2.868	4.7	20.5
3 22	12 12.45	− 0 25.4	1.846	2.842	0.6	20.1
4 1	12 2.96	+ 0 16.4	1.827	2.815	3.8	20.3
4 11	11 54.03	+ 0 53.9	1.838	2.788	8.1	20.5
4 21	11 46.54	+ 1 22.2	1.874	2.760	12.0	20.7
5 1	11 41.14	+ 1 38.0	1.932	2.732	15.3	20.9

348166 2004 JM_{16} 3 23.5 246°.45 6°.9/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.48	+20 56.9	2.345	3.206	10.2	20.4
3 2	12 27.77	+21 58.6	2.290	3.203	8.2	20.3
3 12	12 20.47	+22 51.7	2.262	3.199	7.0	20.2
3 22	12 12.29	+23 29.7	2.261	3.196	7.3	20.2
4 1	12 4.04	+23 48.1	2.286	3.192	9.0	20.3
4 11	11 56.56	+23 44.6	2.337	3.188	11.1	20.5
4 21	11 50.50	+23 19.7	2.410	3.185	13.3	20.6
5 1	11 46.32	+22 35.6	2.501	3.181	15.2	20.7

151993 2004 HX_{57} 3 23.5 267°.97 1°.8/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.76	− 8 22.5	1.798	2.637	13.8	20.9
3 2	12 27.76	− 8 0.2	1.711	2.626	10.3	20.6
3 12	12 20.71	− 7 20.8	1.647	2.614	6.3	20.4
3 22	12 12.34	− 6 27.4	1.609	2.602	2.3	20.1
4 1	12 3.63	− 5 25.6	1.600	2.590	3.7	20.1
4 11	11 55.67	− 4 23.0	1.618	2.578	8.0	20.4
4 21	11 49.35	− 3 26.5	1.660	2.566	12.1	20.6
5 1	11 45.31	− 2 41.9	1.725	2.554	15.7	20.8

289784 2005 JO_{102} 3 23.5 233°.50 4°.8/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.12	+12 20.2	2.324	3.195	9.8	20.7
3 2	12 26.11	+13 30.0	2.259	3.190	7.2	20.5
3 12	12 19.59	+14 38.5	2.220	3.184	5.2	20.4
3 22	12 12.18	+15 39.1	2.210	3.178	5.1	20.4
4 1	12 4.64	+16 26.1	2.228	3.172	7.0	20.5
4 11	11 57.76	+16 55.6	2.273	3.166	9.7	20.6
4 21	11 52.18	+17 5.9	2.341	3.160	12.3	20.8
5 1	11 48.36	+16 57.3	2.430	3.153	14.5	20.9

141206 2001 XX_{209} 3 23.5 95°.96 3°.8/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.30	+ 9 2.0	2.323	3.194	9.9	19.9
3 2	12 25.44	+10 8.7	2.267	3.202	7.0	19.7
3 12	12 19.18	+11 15.9	2.239	3.210	4.5	19.6
3 22	12 12.13	+12 17.4	2.239	3.218	4.0	19.6
4 1	12 5.03	+13 7.8	2.268	3.226	6.1	19.7
4 11	11 58.63	+13 42.8	2.325	3.234	8.8	19.9
4 21	11 53.51	+14 0.7	2.405	3.242	11.5	20.1
5 1	11 50.08	+14 1.3	2.506	3.249	13.7	20.2

421468 2014 OF_{4} 3 23.5 207°.21 2°.7/26.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.45	−12 40.0	2.020	2.833	13.5	21.6
3 2	12 28.77	−12 2.9	1.930	2.827	10.3	21.3
3 12	12 21.19	−11 5.6	1.863	2.820	6.7	21.1
3 22	12 12.41	− 9 50.9	1.824	2.812	3.3	20.9
4 1	12 3.35	− 8 24.7	1.814	2.803	3.7	20.9
4 11	11 55.01	− 6 54.7	1.833	2.793	7.3	21.1
4 21	11 48.21	− 5 29.1	1.880	2.782	11.1	21.3
5 1	11 43.55	− 4 14.5	1.949	2.771	14.4	21.5

340753 2006 SY_{282} 3 23.5 175°.73 0°.9/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.83	+ 0 32.3	2.551	3.401	9.8	20.9
3 2	12 27.17	+ 0 54.8	2.476	3.402	6.9	20.7
3 12	12 20.12	+ 1 23.0	2.428	3.403	3.7	20.5
3 22	12 12.26	+ 1 53.2	2.409	3.404	0.9	20.3
4 1	12 4.28	+ 2 21.7	2.420	3.405	3.4	20.5
4 11	11 56.92	+ 2 44.6	2.461	3.405	6.7	20.7
4 21	11 50.76	+ 2 59.0	2.528	3.405	9.6	20.9
5 1	11 46.23	+ 3 3.2	2.619	3.405	12.1	21.1

399644 2004 RJ_{16} 3 23.5 199°.02 0°.4/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 38.20	− 1 48.6	1.778	2.629	13.4	21.7
3 2	12 31.56	− 1 25.6	1.700	2.626	9.6	21.5
3 12	12 22.77	− 0 52.0	1.647	2.622	5.3	21.2
3 22	12 12.62	− 0 12.3	1.622	2.618	0.7	20.9
4 1	12 2.20	+ 0 27.6	1.626	2.613	4.2	21.1
4 11	11 52.69	+ 1 1.5	1.657	2.608	8.8	21.4
4 21	11 45.00	+ 1 24.7	1.714	2.601	12.8	21.6
5 1	11 39.75	+ 1 34.2	1.792	2.595	16.2	21.8

901 Brunsia 3 23.5 225°.77 2°.1/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.23	− 9 21.6	1.818	2.648	14.1	15.6
3 2	12 30.27	− 8 58.6	1.727	2.636	10.6	15.3
3 12	12 22.12	− 8 17.4	1.660	2.624	6.6	15.0
3 22	12 12.54	− 7 20.8	1.619	2.611	2.6	14.8
4 1	12 2.57	− 6 14.5	1.608	2.597	3.8	14.8
4 11	11 53.36	− 5 6.1	1.624	2.583	8.1	15.0
4 21	11 45.86	− 4 3.1	1.666	2.568	12.3	15.2
5 1	11 40.76	− 3 11.9	1.730	2.551	16.0	15.4

67883 2000 WA_{50} 3 23.5 120°.90 4°.4/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.42	−16 22.6	1.750	2.554	15.6	19.7
3 2	12 28.83	−16 1.0	1.681	2.567	12.3	19.5
3 12	12 21.21	−15 15.1	1.634	2.580	8.5	19.3
3 22	12 12.41	−14 7.3	1.613	2.592	5.2	19.1
4 1	12 3.49	−12 43.7	1.619	2.604	4.8	19.1
4 11	11 55.56	−11 13.1	1.653	2.615	7.8	19.3
4 21	11 49.46	− 9 44.8	1.713	2.626	11.4	19.6
5 1	11 45.71	− 8 26.4	1.796	2.636	14.7	19.8

163777 2003 QJ_{13} 3 23.5 183°.43 3°.3/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.31	+ 3 33.0	1.645	2.518	13.1	20.0
3 2	12 28.12	+ 4 54.1	1.580	2.518	9.2	19.7
3 12	12 20.87	+ 6 23.4	1.541	2.518	5.2	19.5
3 22	12 12.37	+ 7 52.0	1.529	2.518	3.4	19.4
4 1	12 3.70	+ 9 10.7	1.544	2.518	6.6	19.5
4 11	11 55.98	+10 11.7	1.586	2.517	10.7	19.8
4 21	11 50.07	+10 50.8	1.651	2.516	14.4	20.0
5 1	11 46.54	+11 6.8	1.735	2.514	17.6	20.2

210700 2000 SQ_{105} 3 23.5 94°.32 0°.9/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.59	− 6 16.0	1.580	2.427	15.0	21.3
3 2	12 30.33	− 5 40.4	1.528	2.449	10.8	21.0
3 12	12 21.98	− 4 48.8	1.499	2.471	6.2	20.8
3 22	12 12.50	− 3 46.8	1.497	2.492	1.4	20.6
4 1	12 3.06	− 2 41.8	1.523	2.513	3.9	20.8
4 11	11 54.80	− 1 41.9	1.576	2.534	8.5	21.1
4 21	11 48.55	− 0 53.3	1.654	2.554	12.5	21.4
5 1	11 44.78	− 0 19.9	1.753	2.573	15.8	21.6

213906 2003 UZ_{64} 3 23.5 86°.47 8°.7/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 38.31	+18 54.8	1.532	2.406	13.9	19.8
3 2	12 31.61	+20 14.5	1.497	2.421	10.9	19.7
3 12	12 22.68	+21 22.6	1.487	2.436	8.9	19.6
3 22	12 12.59	+22 9.4	1.501	2.450	9.1	19.6
4 1	12 2.63	+22 28.5	1.541	2.465	11.2	19.8
4 11	11 54.06	+22 17.8	1.605	2.480	14.1	20.0
4 21	11 47.69	+21 39.8	1.688	2.494	16.8	20.2
5 1	11 43.99	+20 39.1	1.789	2.508	19.2	20.4

425066 2009 RB_{19} 3 23.5 165°.02 1°.8/25.6 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.03	− 9 28.8	2.566	3.381	10.9	23.2
3 2	12 28.03	− 9 7.9	2.486	3.388	8.1	23.0
3 12	12 20.60	− 8 34.4	2.433	3.394	5.1	22.8
3 22	12 12.34	− 7 50.7	2.408	3.399	2.2	22.6
4 1	12 3.95	− 7 0.9	2.415	3.404	2.9	22.7
4 11	11 56.20	− 6 9.8	2.451	3.407	5.9	22.9
4 21	11 49.69	− 5 22.1	2.515	3.410	8.9	23.1
5 1	11 44.86	− 4 41.7	2.603	3.413	11.6	23.3

183558 2003 KT_{9} 3 23.5 321°.16 0°.6/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 26.74	− 9 31.3	2.052	2.890	12.4	19.6
3 2	12 23.24	− 7 53.2	1.959	2.876	9.1	19.4
3 12	12 18.14	− 5 53.5	1.891	2.862	5.3	19.1
3 22	12 12.02	− 3 38.3	1.852	2.848	1.2	18.8
4 1	12 5.68	− 1 16.7	1.844	2.834	3.4	18.9
4 11	11 59.95	+ 1 1.0	1.866	2.821	7.6	19.2
4 21	11 55.54	+ 3 5.5	1.915	2.809	11.4	19.4
5 1	11 52.97	+ 4 50.2	1.987	2.796	14.6	19.5

170269 2003 QC_{75} 3 23.5 260°.68 3°.9/26.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.09	−11 49.7	1.624	2.450	15.6	20.4
3 2	12 30.42	−12 0.7	1.535	2.438	12.1	20.1
3 12	12 22.33	−11 51.8	1.469	2.426	8.1	19.8
3 22	12 12.59	−11 24.0	1.428	2.414	4.5	19.6
4 1	12 2.37	−10 41.2	1.414	2.401	4.8	19.6
4 11	11 52.98	− 9 50.3	1.427	2.389	8.7	19.8
4 21	11 45.50	− 8 59.4	1.464	2.376	13.0	20.0
5 1	11 40.68	− 8 15.8	1.522	2.363	16.8	20.2

466568 2014 UM_{4} 3 23.5 218°.85 2°.6/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.05	−12 7.4	2.105	2.919	13.0	22.0
3 2	12 28.46	−11 34.4	2.011	2.909	9.9	21.8
3 12	12 21.03	−10 42.5	1.941	2.898	6.4	21.5
3 22	12 12.41	− 9 34.3	1.898	2.886	3.1	21.3
4 1	12 3.50	− 8 15.1	1.885	2.874	3.6	21.3
4 11	11 55.24	− 6 52.3	1.901	2.860	7.1	21.5
4 21	11 48.45	− 5 33.1	1.944	2.846	10.8	21.7
5 1	11 43.70	− 4 23.9	2.011	2.831	14.1	21.9

303665 2005 ML_{14} 3 23.5 250°.65 4°.2/28.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.01	−17 2.1	2.467	3.252	12.2	20.9
3 2	12 26.10	−17 2.7	2.371	3.244	9.7	20.7
3 12	12 19.65	−16 45.9	2.300	3.235	7.1	20.5
3 22	12 12.23	−16 12.4	2.255	3.226	4.8	20.3
4 1	12 4.56	−15 25.0	2.239	3.217	4.4	20.3
4 11	11 57.43	−14 28.6	2.251	3.207	6.4	20.4
4 21	11 51.53	−13 28.8	2.290	3.198	9.1	20.5
5 1	11 47.35	−12 31.3	2.353	3.188	11.8	20.7

317099 2001 TB_{90} 3 23.5 72°.53 0°.3/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 38.57	− 0 39.1	1.696	2.551	13.7	20.1
3 2	12 31.82	− 0 43.9	1.627	2.555	9.8	19.8
3 12	12 22.89	− 0 40.7	1.583	2.559	5.4	19.6
3 22	12 12.65	− 0 32.9	1.567	2.563	0.7	19.2
4 1	12 2.25	− 0 25.1	1.579	2.567	4.2	19.5
4 11	11 52.87	− 0 21.8	1.618	2.571	8.7	19.8
4 21	11 45.43	− 0 26.4	1.682	2.575	12.7	20.0
5 1	11 40.49	− 0 41.2	1.768	2.580	16.1	20.3

369087 2008 GF_{44} 3 23.5 199°.55 3°.4/27.3 17

2 21	12 31.58	−14 51.7	1.955	2.764	14.0	21.4
3 2	12 26.75	−14 16.1	1.870	2.762	10.9	21.1
3 12	12 20.08	−13 18.3	1.809	2.760	7.4	20.9
3 22	12 12.29	−12 1.1	1.774	2.758	4.1	20.7
4 1	12 4.28	−10 30.3	1.768	2.755	4.0	20.7
4 11	11 57.04	− 8 54.3	1.790	2.752	7.2	20.9
4 21	11 51.33	− 7 21.4	1.839	2.749	10.8	21.1
5 1	11 47.71	− 5 58.9	1.910	2.746	14.1	21.3

473131 2015 JV_{6} 3 23.5 171°.26 2°.9/27.2 17

2 21	12 30.90	−13 30.5	2.660	3.460	11.0	21.7
3 2	12 25.84	−13 23.0	2.575	3.462	8.5	21.5
3 12	12 19.43	−13 1.2	2.516	3.464	5.8	21.4
3 22	12 12.20	−12 26.7	2.484	3.465	3.4	21.2
4 1	12 4.83	−11 42.8	2.481	3.466	3.3	21.2
4 11	11 58.02	−10 53.8	2.508	3.467	5.7	21.4
4 21	11 52.33	−10 4.6	2.563	3.467	8.4	21.5
5 1	11 48.22	− 9 19.6	2.641	3.468	10.9	21.7

154904 2004 RA_{306} 3 23.5 218°.70 0°.8/22.3 18

2 21	12 29.10	− 0 6.7	3.284	4.131	7.9	21.4
3 2	12 24.36	+ 0 32.2	3.196	4.122	5.6	21.2
3 12	12 18.54	+ 1 16.7	3.136	4.112	3.0	21.1
3 22	12 12.09	+ 2 3.7	3.106	4.101	0.8	20.9
4 1	12 5.51	+ 2 49.4	3.107	4.091	2.8	21.0
4 11	11 59.33	+ 3 30.5	3.138	4.079	5.5	21.2
4 21	11 54.01	+ 4 4.1	3.197	4.068	8.0	21.3
5 1	11 49.92	+ 4 28.1	3.280	4.056	10.1	21.5

172427 2003 PF_{4} 3 23.5 208°.57 2°.8/26.1 18

2 21	12 36.66	−10 58.5	2.065	2.880	13.2	21.1
3 2	12 30.34	−10 51.7	1.975	2.874	10.1	20.9
3 12	12 22.08	−10 28.5	1.909	2.866	6.5	20.7
3 22	12 12.57	− 9 50.8	1.870	2.858	3.3	20.5
4 1	12 2.75	− 9 2.6	1.861	2.849	3.8	20.5
4 11	11 53.63	− 8 9.8	1.881	2.839	7.3	20.7
4 21	11 46.06	− 7 18.8	1.928	2.829	10.9	20.9
5 1	11 40.65	− 6 35.1	1.997	2.817	14.2	21.1

215870 2005 EM_{161} 3 23.5 316°.32 1°.5/22.4 17

2 21	12 33.01	− 0 5.3	1.367	2.242	15.1	20.6
3 2	12 28.42	+ 0 29.9	1.290	2.228	10.8	20.3
3 12	12 21.29	+ 1 17.8	1.235	2.214	5.9	19.9
3 22	12 12.48	+ 2 11.8	1.205	2.201	1.5	19.6
4 1	12 3.25	+ 3 3.3	1.201	2.188	5.6	19.8
4 11	11 54.99	+ 3 44.0	1.222	2.175	10.8	20.1
4 21	11 48.82	+ 4 7.7	1.264	2.163	15.6	20.3
5 1	11 45.49	+ 4 11.5	1.325	2.152	19.6	20.6

416902 2005 QG_{179} 3 23.5 141°.88 1°.3/24.9 15

2 21	12 35.51	− 7 16.2	2.368	3.193	11.4	22.8
3 2	12 29.13	− 6 58.9	2.298	3.206	8.4	22.6
3 12	12 21.22	− 6 30.0	2.254	3.219	5.0	22.4
3 22	12 12.45	− 5 52.3	2.238	3.232	1.7	22.2
4 1	12 3.61	− 5 10.0	2.254	3.243	2.9	22.3
4 11	11 55.50	− 4 28.0	2.299	3.254	6.3	22.6
4 21	11 48.78	− 3 50.8	2.371	3.264	9.5	22.8
5 1	11 43.88	− 3 21.8	2.467	3.274	12.2	23.0

294070 2007 TW_{176} 3 23.5 170°.42 0°.6/22.7 17

2 21	12 31.24	− 1 21.6	2.425	3.275	10.3	21.8
3 2	12 26.12	− 0 41.7	2.351	3.277	7.3	21.6
3 12	12 19.60	+ 0 6.2	2.303	3.279	3.9	21.4
3 22	12 12.24	+ 0 57.9	2.285	3.281	0.7	21.1
4 1	12 4.77	+ 1 48.6	2.296	3.282	3.4	21.3
4 11	11 57.92	+ 2 33.4	2.336	3.283	6.8	21.5
4 21	11 52.30	+ 3 8.5	2.403	3.284	9.9	21.7
5 1	11 48.34	+ 3 31.5	2.493	3.284	12.5	21.9

114901 2003 QK_{25} 3 23.5 114°.07 0°.4/23.1 18

2 21	12 34.53	− 4 10.3	1.780	2.630	13.4	20.3
3 2	12 28.73	− 3 5.2	1.724	2.649	9.5	20.1
3 12	12 21.09	− 1 46.6	1.692	2.667	5.2	19.9
3 22	12 12.43	− 0 21.2	1.689	2.685	0.6	19.6
4 1	12 3.77	+ 1 3.0	1.715	2.702	4.1	19.9
4 11	11 56.11	+ 2 17.9	1.769	2.719	8.3	20.2
4 21	11 50.19	+ 3 18.0	1.848	2.735	12.1	20.4
5 1	11 46.48	+ 4 0.0	1.948	2.750	15.2	20.7

173019 2006 PT_{29} 3 23.5 148°.69 4°.3/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.22	−18 51.3	2.913	3.676	11.0	21.1
3 2	12 27.40	−19 1.9	2.831	3.685	8.9	21.0
3 12	12 20.26	−18 56.9	2.773	3.694	6.7	20.9
3 22	12 12.33	−18 37.1	2.742	3.703	4.8	20.7
4 1	12 4.28	−18 4.4	2.741	3.711	4.4	20.7
4 11	11 56.78	−17 22.7	2.769	3.718	5.8	20.8
4 21	11 50.39	−16 36.4	2.826	3.725	7.9	21.0
5 1	11 45.56	−15 50.2	2.907	3.732	10.1	21.1

125434 2001 VJ_{115} 3 23.5 203°.85 1°.4/21.9 17

2 21	12 34.32	+ 1 11.9	2.305	3.158	10.6	21.4
3 2	12 28.42	+ 1 53.1	2.225	3.153	7.5	21.2
3 12	12 20.92	+ 2 41.1	2.171	3.147	4.1	20.9
3 22	12 12.43	+ 3 31.3	2.146	3.141	1.4	20.7
4 1	12 3.76	+ 4 18.3	2.152	3.134	4.1	20.9
4 11	11 55.75	+ 4 57.2	2.187	3.126	7.7	21.1
4 21	11 49.07	+ 5 24.4	2.248	3.118	10.9	21.3
5 1	11 44.23	+ 5 38.0	2.331	3.109	13.7	21.5

189462 1999 RC_{140} 3 23.5 143°.90 3°.0/27.1 18

2 21	12 33.87	−13 34.5	2.508	3.306	11.6	20.8
3 2	12 27.97	−13 26.5	2.432	3.318	9.0	20.6
3 12	12 20.60	−13 3.4	2.381	3.329	6.1	20.5
3 22	12 12.39	−12 26.9	2.358	3.339	3.5	20.3
4 1	12 4.07	−11 40.6	2.365	3.349	3.5	20.3
4 11	11 56.42	−10 49.3	2.401	3.358	6.0	20.5
4 21	11 50.05	− 9 58.2	2.465	3.367	8.8	20.7
5 1	11 45.41	− 9 12.0	2.553	3.375	11.4	20.9

343659 2010 LO_{65} 3 23.5 79°.57 4°.7/17.9 18

2 21	12 31.08	+11 15.3	2.164	3.038	10.4	20.5
3 2	12 26.07	+12 29.0	2.117	3.051	7.5	20.3
3 12	12 19.56	+13 41.1	2.097	3.064	5.2	20.2
3 22	12 12.24	+14 44.7	2.105	3.077	4.9	20.2
4 1	12 4.92	+15 33.9	2.141	3.090	7.0	20.3
4 11	11 58.38	+16 4.9	2.203	3.103	9.7	20.5
4 21	11 53.24	+16 16.6	2.289	3.116	12.3	20.7
5 1	11 49.92	+16 9.3	2.395	3.128	14.5	20.9

389735 2011 SU_{109} 3 23.5 172°.44 0°.6/22.7 18

2 21	12 30.41	− 0 53.7	2.997	3.842	8.7	22.2
3 2	12 25.32	− 0 18.9	2.921	3.845	6.1	22.0
3 12	12 19.08	+ 0 21.9	2.873	3.848	3.3	21.8
3 22	12 12.19	+ 1 5.6	2.854	3.850	0.6	21.6
4 1	12 5.20	+ 1 48.2	2.866	3.851	2.9	21.8
4 11	11 58.72	+ 2 26.2	2.908	3.853	5.7	22.0
4 21	11 53.22	+ 2 56.5	2.978	3.853	8.4	22.2
5 1	11 49.08	+ 3 17.2	3.071	3.854	10.6	22.3

348591 2005 WO_{149} 3 23.5 59°.92 3°.5/26.0 18

2 21	12 36.52	−10 38.0	1.222	2.070	18.4	20.7
3 2	12 30.85	−10 36.7	1.170	2.087	13.9	20.4
3 12	12 22.51	−10 11.4	1.139	2.104	8.8	20.2
3 22	12 12.64	− 9 25.7	1.131	2.121	4.2	20.0
4 1	12 2.73	− 8 26.9	1.148	2.139	4.9	20.1
4 11	11 54.26	− 7 25.4	1.190	2.156	9.6	20.4
4 21	11 48.26	− 6 30.4	1.255	2.174	14.1	20.7
5 1	11 45.29	− 5 48.7	1.340	2.192	18.0	21.0

14920 1994 PE_{33} 3 23.5 357°.84 3°.5/25.9 18 R

2 21	12 34.06	−10 4.2	1.208	2.061	18.2	16.8
3 2	12 29.38	−10 10.2	1.140	2.059	13.8	16.5
3 12	12 21.89	− 9 52.6	1.092	2.058	8.9	16.3
3 22	12 12.60	− 9 13.9	1.067	2.057	4.2	16.0
4 1	12 2.94	− 8 20.5	1.066	2.057	5.1	16.0
4 11	11 54.49	− 7 22.3	1.090	2.058	10.0	16.3
4 21	11 48.44	− 6 29.1	1.136	2.059	14.9	16.6
5 1	11 45.53	− 5 48.7	1.200	2.060	19.2	16.8

317108 2001 TU_{178} 3 23.5 115°.32 0°.7/24.3 17

2 21	12 32.40	− 4 59.8	2.409	3.247	10.8	20.9
3 2	12 26.93	− 4 42.7	2.339	3.257	7.8	20.8
3 12	12 20.04	− 4 15.7	2.295	3.266	4.5	20.6
3 22	12 12.32	− 3 42.1	2.280	3.275	1.1	20.3
4 1	12 4.53	− 3 5.9	2.295	3.284	2.9	20.5
4 11	11 57.41	− 2 31.5	2.338	3.293	6.3	20.7
4 21	11 51.55	− 2 2.8	2.409	3.302	9.4	20.9
5 1	11 47.40	− 1 42.7	2.502	3.310	12.0	21.1

216839 2006 WD_{199} 3 23.5 252°.02 4°.6/27.9 18

2 21	12 35.13	−16 18.9	2.063	2.856	14.0	20.8
3 2	12 29.45	−16 20.3	1.957	2.835	11.2	20.6
3 12	12 21.72	−16 1.2	1.874	2.814	8.0	20.4
3 22	12 12.58	−15 21.8	1.817	2.792	5.2	20.2
4 1	12 2.95	−14 25.1	1.788	2.769	4.9	20.1
4 11	11 53.90	−13 17.0	1.788	2.745	7.7	20.2
4 21	11 46.34	−12 5.1	1.814	2.721	11.2	20.4
5 1	11 40.98	−10 56.9	1.863	2.696	14.5	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
501915 2014 WJ_{479}			3 23.5 187°.01	2°.2/20.9 17		
	h m	° ′			°	m
2 21	12 31.08	+ 1 55.4	2.063	2.927	11.2	21.0
3 2	12 26.23	+ 3 9.4	1.993	2.927	7.8	20.8
3 12	12 19.75	+ 4 31.4	1.949	2.926	4.3	20.6
3 22	12 12.29	+ 5 54.7	1.934	2.926	2.3	20.4
4 1	12 4.70	+ 7 11.9	1.948	2.925	5.1	20.6
4 11	11 57.82	+ 8 16.6	1.990	2.924	8.7	20.8
4 21	11 52.36	+ 9 4.6	2.057	2.922	12.0	21.0
5 1	11 48.80	+ 9 33.7	2.145	2.920	14.8	21.2
41894 2000 WH_{121}			3 23.5 48°.68	4°.7/19.9 18		
2 21	12 36.13	+ 7 47.4	1.412	2.292	14.4	18.3
3 2	12 30.36	+ 8 41.5	1.357	2.296	10.3	18.0
3 12	12 22.19	+ 9 37.8	1.325	2.301	6.3	17.8
3 22	12 12.63	+10 27.3	1.320	2.305	4.8	17.7
4 1	12 2.98	+11 1.8	1.340	2.310	7.8	17.9
4 11	11 54.55	+11 15.6	1.385	2.315	12.0	18.2
4 21	11 48.30	+11 7.3	1.452	2.320	15.9	18.4
5 1	11 44.78	+10 37.7	1.537	2.325	19.1	18.6
501526 2014 EF_{51}			3 23.5 33°.87	1°.3/21.7 17		
2 21	12 27.55	− 2 33.4	2.135	2.994	11.1	20.4
3 2	12 23.66	− 0 51.3	2.067	2.998	7.8	20.2
3 12	12 18.31	+ 1 3.1	2.025	3.003	4.1	20.0
3 22	12 12.11	+ 3 2.5	2.014	3.008	1.3	19.8
4 1	12 5.82	+ 4 58.4	2.032	3.014	4.3	20.0
4 11	12 0.19	+ 6 42.5	2.079	3.019	8.0	20.3
4 21	11 55.85	+ 8 9.3	2.153	3.025	11.2	20.5
5 1	11 53.24	+ 9 15.5	2.249	3.031	14.0	20.7
117303 2004 VB_{10}			3 23.5 190°.32	4°.4/18.0 18		
2 21	12 33.66	+11 53.6	2.438	3.303	9.7	20.1
3 2	12 27.86	+12 56.9	2.373	3.302	7.1	19.9
3 12	12 20.57	+13 58.9	2.336	3.300	4.9	19.8
3 22	12 12.41	+14 53.5	2.327	3.298	4.7	19.7
4 1	12 4.15	+15 35.4	2.348	3.295	6.6	19.8
4 11	11 56.56	+16 1.1	2.396	3.291	9.2	20.0
4 21	11 50.26	+16 9.0	2.469	3.287	11.8	20.2
5 1	11 45.73	+15 59.5	2.562	3.282	14.0	20.3
522923 2016 PA_{110}			3 23.5 270°.35	2°.5/20.6 17		
2 21	12 31.60	+ 5 28.1	2.379	3.243	9.9	21.8
3 2	12 26.49	+ 6 8.3	2.298	3.231	7.0	21.6
3 12	12 19.88	+ 6 51.9	2.243	3.219	4.0	21.4
3 22	12 12.33	+ 7 34.1	2.217	3.206	2.6	21.2
4 1	12 4.60	+ 8 9.8	2.221	3.194	4.9	21.4
4 11	11 57.46	+ 8 34.9	2.252	3.181	8.0	21.5
4 21	11 51.55	+ 8 46.8	2.309	3.169	11.0	21.7
5 1	11 47.36	+ 8 44.3	2.387	3.156	13.6	21.9
376326 2011 GE_{50}			3 23.5 154°.71	3°.3/19.9 17		
2 21	12 33.01	+ 6 28.0	2.098	2.966	10.9	20.9
3 2	12 27.55	+ 7 26.0	2.035	2.970	7.7	20.7
3 12	12 20.45	+ 8 26.8	1.999	2.974	4.6	20.5
3 22	12 12.41	+ 9 24.2	1.991	2.977	3.4	20.4
4 1	12 4.27	+10 12.1	2.012	2.981	5.8	20.6
4 11	11 56.92	+10 45.7	2.061	2.984	9.0	20.8
4 21	11 51.02	+11 2.5	2.134	2.986	12.1	20.9
5 1	11 47.06	+11 2.1	2.227	2.989	14.7	21.1
344724 2003 UV_{104}			3 23.5 115°.44	0°.6/22.9 17		
2 21	12 34.05	− 0 49.5	2.134	2.986	11.4	21.0
3 2	12 28.24	− 0 25.7	2.068	2.995	8.1	20.8
3 12	12 20.81	+ 0 5.7	2.029	3.004	4.4	20.6
3 22	12 12.46	+ 0 40.8	2.017	3.013	0.7	20.3
4 1	12 4.03	+ 1 14.6	2.035	3.021	3.7	20.6
4 11	11 56.38	+ 1 42.5	2.081	3.030	7.4	20.8
4 21	11 50.19	+ 2 1.0	2.153	3.038	10.7	21.1
5 1	11 45.93	+ 2 8.1	2.248	3.046	13.5	21.3
79484 1998 FH_{3}			3 23.5 122°.84	4°.0/18.4 18		
2 21	12 30.95	+10 8.9	2.442	3.311	9.5	19.6
3 2	12 25.88	+11 16.3	2.388	3.320	6.8	19.4
3 12	12 19.46	+12 23.2	2.361	3.329	4.5	19.3
3 22	12 12.28	+13 23.8	2.363	3.338	4.2	19.3
4 1	12 5.06	+14 12.7	2.395	3.347	6.1	19.4
4 11	11 58.53	+14 46.2	2.453	3.356	8.7	19.6
4 21	11 53.23	+15 2.7	2.536	3.364	11.2	19.7
5 1	11 49.58	+15 2.3	2.640	3.372	13.3	19.9
297837 2002 BX			3 23.5 131°.80	9°.4/ 2.2 18		
2 21	12 43.30	−30 21.2	2.150	2.839	16.5	21.6
3 2	12 35.19	−31 19.5	2.078	2.859	14.4	21.5
3 12	12 24.81	−31 50.9	2.027	2.878	12.2	21.4
3 22	12 13.01	−31 52.2	1.999	2.897	10.3	21.3
4 1	12 0.96	−31 23.8	1.996	2.914	9.4	21.2
4 11	11 49.89	−30 30.5	2.021	2.930	10.0	21.3
4 21	11 40.78	−29 20.3	2.071	2.945	11.5	21.4
5 1	11 34.24	−28 2.4	2.144	2.959	13.5	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
258864 2002 PF_{163}			3 23.5 218°.58	0°.9/22.6 14 C		
	h m	° ′			°	m
2 21	12 34.50	− 1 16.6	2.018	2.871	12.0	22.4
3 2	12 28.80	− 0 29.7	1.935	2.862	8.5	22.2
3 12	12 21.25	+ 0 27.7	1.877	2.853	4.6	21.9
3 22	12 12.54	+ 1 30.6	1.847	2.843	1.0	21.7
4 1	12 3.57	+ 2 32.4	1.848	2.833	4.2	21.9
4 11	11 55.30	+ 3 26.6	1.876	2.822	8.3	22.1
4 21	11 48.55	+ 4 8.3	1.930	2.810	12.0	22.3
5 1	11 43.88	+ 4 34.6	2.006	2.797	15.1	22.5
512502 2016 RS_{6}			3 23.5 261°.27	0°.1/23.4 17		
2 21	12 29.33	− 4 30.9	2.422	3.266	10.5	22.1
3 2	12 24.91	− 3 35.0	2.329	3.251	7.6	21.8
3 12	12 19.04	− 2 26.9	2.262	3.236	4.2	21.6
3 22	12 12.25	− 1 11.0	2.224	3.220	0.5	21.3
4 1	12 5.23	+ 0 7.0	2.216	3.204	3.2	21.5
4 11	11 58.74	+ 1 21.0	2.238	3.188	6.8	21.7
4 21	11 53.39	+ 2 25.5	2.286	3.172	10.1	21.9
5 1	11 49.69	+ 3 16.8	2.357	3.155	12.9	22.0
147325 2003 BW_{17}			3 23.5 39°.67	0°.4/23.2 18		
2 21	12 32.63	− 2 51.2	1.495	2.360	14.6	20.0
3 2	12 27.76	− 2 12.1	1.436	2.368	10.4	19.7
3 12	12 20.74	− 1 19.5	1.400	2.377	5.7	19.5
3 22	12 12.47	− 0 19.4	1.389	2.385	0.7	19.1
4 1	12 4.09	+ 0 40.2	1.406	2.395	4.5	19.4
4 11	11 56.78	+ 1 31.4	1.448	2.404	9.2	19.7
4 21	11 51.40	+ 2 8.4	1.514	2.414	13.4	20.0
5 1	11 48.50	+ 2 28.1	1.600	2.424	16.9	20.2
306724 2000 WR_{122}			3 23.5 94°.01	2°.9/26.1 18		
2 21	12 36.60	−11 19.5	1.626	2.453	15.6	20.8
3 2	12 30.39	−10 58.9	1.570	2.476	11.7	20.6
3 12	12 22.09	−10 18.0	1.537	2.498	7.4	20.4
3 22	12 12.65	− 9 20.5	1.531	2.520	3.5	20.2
4 1	12 3.21	− 8 13.2	1.552	2.541	4.0	20.2
4 11	11 54.93	− 7 4.5	1.600	2.562	8.0	20.5
4 21	11 48.62	− 6 1.9	1.674	2.582	11.9	20.8
5 1	11 44.78	− 5 11.5	1.770	2.602	15.2	21.1
320367 2007 TS_{362}			3 23.5 238°.45	2°.6/26.7 18		
2 21	12 30.40	−12 40.4	2.392	3.203	11.7	21.1
3 2	12 25.69	−12 15.4	2.300	3.195	9.0	20.9
3 12	12 19.47	−11 33.9	2.232	3.187	6.0	20.7
3 22	12 12.31	−10 38.4	2.192	3.178	3.2	20.5
4 1	12 4.94	− 9 33.0	2.181	3.169	3.3	20.5
4 11	11 58.13	− 8 23.5	2.199	3.160	6.2	20.7
4 21	11 52.54	− 7 15.9	2.244	3.151	9.4	20.9
5 1	11 48.67	− 6 15.5	2.314	3.141	12.2	21.0
115704 2003 US_{166}			3 23.5 283°.21	1°.1/22.4 18		
2 21	12 32.44	+ 0 5.1	1.985	2.845	11.8	19.3
3 2	12 27.28	+ 0 40.9	1.913	2.844	8.3	19.1
3 12	12 20.38	+ 1 24.9	1.866	2.843	4.5	18.8
3 22	12 12.44	+ 2 12.3	1.846	2.841	1.2	18.6
4 1	12 4.33	+ 2 57.2	1.855	2.840	4.2	18.8
4 11	11 56.99	+ 3 34.1	1.892	2.839	8.1	19.0
4 21	11 51.13	+ 3 59.1	1.954	2.838	11.7	19.2
5 1	11 47.29	+ 4 9.8	2.037	2.837	14.7	19.4
65231 2002 ED_{74}			3 23.5 309°.48	1°.7/24.8 18		
2 21	12 33.30	− 6 57.3	1.368	2.226	16.2	19.4
3 2	12 28.73	− 6 44.5	1.286	2.212	12.1	19.1
3 12	12 21.55	− 6 12.3	1.226	2.198	7.2	18.8
3 22	12 12.62	− 5 24.3	1.190	2.184	2.3	18.4
4 1	12 3.20	− 4 27.2	1.180	2.171	4.4	18.5
4 11	11 54.72	− 3 30.2	1.195	2.159	9.8	18.8
4 21	11 48.34	− 2 41.8	1.232	2.146	14.7	19.0
5 1	11 44.85	− 2 8.5	1.288	2.135	19.0	19.3
276917 2004 TJ_{59}			3 23.5 62°.40	1°.7/22.1 18		
2 21	12 36.22	+ 2 2.2	1.695	2.559	13.2	20.9
3 2	12 29.99	+ 2 24.7	1.644	2.577	9.3	20.7
3 12	12 21.83	+ 2 53.3	1.619	2.596	5.0	20.4
3 22	12 12.62	+ 3 22.7	1.620	2.615	1.7	20.2
4 1	12 3.45	+ 3 47.2	1.649	2.633	4.8	20.5
4 11	11 55.38	+ 4 1.9	1.706	2.652	8.9	20.8
4 21	11 49.17	+ 4 4.2	1.787	2.671	12.5	21.0
5 1	11 45.29	+ 3 52.9	1.888	2.690	15.6	21.3
163485 2002 SB_{6}			3 23.5 47°.16	0°.2/23.3 18		
2 21	12 34.03	− 2 22.3	1.689	2.548	13.6	19.3
3 2	12 28.39	− 1 58.7	1.645	2.574	9.6	19.1
3 12	12 20.92	− 1 24.8	1.625	2.601	5.2	18.9
3 22	12 12.50	− 0 45.7	1.632	2.628	0.6	18.6
4 1	12 4.17	− 0 7.2	1.667	2.656	3.9	18.9
4 11	11 56.92	+ 0 24.7	1.729	2.683	8.1	19.2
4 21	11 51.48	+ 0 46.2	1.815	2.711	11.8	19.5
5 1	11 48.25	+ 0 54.7	1.922	2.739	14.8	19.7

500372 2012 TE_{49} 3 23.5 72°.91 0°.1/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.45	− 2 44.4	2.116	2.966	11.6	21.7
3 2	12 27.12	− 2 20.8	2.052	2.976	8.3	21.5
3 12	12 20.22	− 1 47.9	2.013	2.987	4.5	21.3
3 22	12 12.42	− 1 9.7	2.002	2.998	0.6	21.0
4 1	12 4.55	− 0 31.1	2.021	3.009	3.4	21.2
4 11	11 57.45	+ 0 3.0	2.067	3.021	7.1	21.5
4 21	11 51.79	+ 0 28.6	2.140	3.032	10.4	21.7
5 1	11 48.00	+ 0 43.1	2.235	3.043	13.3	21.9

58052 2003 AN_{1} 3 23.5 325°.98 2°.3/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.40	+ 2 47.5	2.170	3.037	10.6	19.4
3 2	12 25.01	+ 3 56.1	2.101	3.036	7.4	19.2
3 12	12 19.09	+ 5 11.3	2.058	3.035	4.1	18.9
3 22	12 12.28	+ 6 26.9	2.043	3.034	2.4	18.8
4 1	12 5.34	+ 7 36.3	2.058	3.033	5.0	19.0
4 11	11 59.06	+ 8 33.7	2.100	3.032	8.3	19.2
4 21	11 54.09	+ 9 15.3	2.167	3.032	11.5	19.4
5 1	11 50.89	+ 9 39.4	2.255	3.031	14.1	19.6

115065 2003 RN_{18} 3 23.5 70°.02 4°.2/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.55	−12 51.9	1.480	2.308	16.8	19.5
3 2	12 30.01	−12 58.5	1.413	2.316	13.0	19.2
3 12	12 22.08	−12 42.3	1.368	2.324	8.7	19.0
3 22	12 12.70	−12 5.3	1.347	2.332	4.9	18.8
4 1	12 3.10	−11 12.7	1.353	2.340	5.0	18.8
4 11	11 54.62	−10 12.9	1.385	2.349	8.7	19.1
4 21	11 48.23	− 9 14.7	1.440	2.357	12.8	19.3
5 1	11 44.56	− 8 25.5	1.517	2.365	16.5	19.6

213819 2003 QG_{32} 3 23.5 173°.50 2°.1/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.07	− 8 23.0	1.814	2.646	14.0	21.1
3 2	12 30.77	− 8 16.2	1.738	2.648	10.5	20.9
3 12	12 22.40	− 7 53.5	1.685	2.650	6.4	20.6
3 22	12 12.74	− 7 17.9	1.660	2.652	2.6	20.4
4 1	12 2.85	− 6 34.2	1.663	2.653	3.7	20.5
4 11	11 53.85	− 5 48.8	1.694	2.653	7.8	20.7
4 21	11 46.62	− 5 8.0	1.751	2.653	11.8	21.0
5 1	11 41.75	− 4 36.7	1.829	2.653	15.2	21.2

423691 2006 AB_{16} 3 23.5 66°.18 3°.3/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.01	+ 4 27.8	1.681	2.555	12.8	21.5
3 2	12 27.72	+ 5 37.5	1.636	2.574	8.9	21.3
3 12	12 20.60	+ 6 51.7	1.617	2.594	5.1	21.1
3 22	12 12.48	+ 8 2.6	1.625	2.614	3.4	21.1
4 1	12 4.41	+ 9 2.3	1.660	2.634	6.2	21.3
4 11	11 57.39	+ 9 45.1	1.722	2.654	9.9	21.5
4 21	11 52.14	+10 8.2	1.807	2.673	13.3	21.8
5 1	11 49.10	+10 11.4	1.912	2.693	16.1	22.0

366414 2001 TP_{93} 3 23.5 100°.57 2°.3/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.40	− 9 55.7	1.857	2.686	13.9	21.0
3 2	12 28.71	− 9 37.2	1.793	2.701	10.4	20.8
3 12	12 21.17	− 9 1.8	1.752	2.715	6.5	20.6
3 22	12 12.57	− 8 12.8	1.739	2.729	2.8	20.4
4 1	12 3.90	− 7 15.7	1.753	2.743	3.6	20.5
4 11	11 56.14	− 6 17.5	1.796	2.757	7.3	20.7
4 21	11 50.07	− 5 24.6	1.864	2.770	11.0	21.0
5 1	11 46.18	− 4 41.9	1.955	2.783	14.1	21.2

86151 1999 RW_{200} 3 23.5 187°.12 5°.8/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.12	−21 52.7	2.662	3.410	12.3	19.0
3 2	12 28.31	−22 27.8	2.572	3.409	10.3	18.9
3 12	12 20.93	−22 45.4	2.506	3.409	8.1	18.7
3 22	12 12.55	−22 44.9	2.465	3.408	6.3	18.6
4 1	12 3.92	−22 27.4	2.452	3.408	5.8	18.6
4 11	11 55.83	−21 56.1	2.468	3.407	6.9	18.6
4 21	11 48.97	−21 16.0	2.510	3.406	8.9	18.8
5 1	11 43.85	−20 32.5	2.577	3.405	11.1	18.9

132035 2002 CQ_{124} 3 23.5 359°.54 2°.1/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.45	− 7 47.0	1.058	1.932	18.6	19.0
3 2	12 26.28	− 7 30.8	0.995	1.929	13.8	18.7
3 12	12 20.29	− 6 49.9	0.952	1.926	8.3	18.4
3 22	12 12.48	− 5 49.2	0.931	1.925	2.8	18.1
4 1	12 4.35	− 4 38.2	0.933	1.926	4.9	18.2
4 11	11 57.49	− 3 29.0	0.958	1.928	10.6	18.5
4 21	11 53.08	− 2 31.9	1.003	1.931	15.9	18.8
5 1	11 51.82	− 1 54.2	1.065	1.935	20.4	19.1

259968 2004 FO_{28} 3 23.5 50°.11 0°.6/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.98	− 0 33.7	1.630	2.490	13.9	20.2
3 2	12 30.83	− 0 23.7	1.561	2.491	10.0	20.0
3 12	12 22.47	− 0 4.6	1.516	2.493	5.4	19.7
3 22	12 12.76	+ 0 19.2	1.498	2.494	0.8	19.4
4 1	12 2.86	+ 0 42.1	1.508	2.496	4.4	19.7
4 11	11 53.96	+ 0 58.6	1.544	2.497	9.0	19.9
4 21	11 47.00	+ 1 4.6	1.605	2.499	13.2	20.2
5 1	11 42.56	+ 0 57.8	1.686	2.501	16.6	20.4

19130 Tytgat 3 23.5 353°.56 8°.5/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 29.05	+15 37.7	1.454	2.345	13.3	16.6
3 2	12 25.39	+17 42.4	1.405	2.341	10.3	16.4
3 12	12 19.54	+19 42.4	1.381	2.338	8.6	16.3
3 22	12 12.37	+21 24.8	1.381	2.335	9.2	16.4
4 1	12 5.04	+22 39.1	1.406	2.333	11.9	16.5
4 11	11 58.74	+23 19.4	1.453	2.332	15.1	16.7
4 21	11 54.37	+23 25.6	1.519	2.331	18.1	16.9
5 1	11 52.47	+23 0.5	1.601	2.332	20.7	17.1

227382 2005 UV_{265} 3 23.5 298°.15 4°.0/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.56	+ 6 39.5	1.632	2.509	13.0	20.3
3 2	12 28.55	+ 7 34.9	1.552	2.491	9.3	20.1
3 12	12 21.32	+ 8 35.3	1.497	2.473	5.6	19.8
3 22	12 12.62	+ 9 32.8	1.468	2.455	4.2	19.7
4 1	12 3.56	+10 19.2	1.466	2.437	7.2	19.8
4 11	11 55.32	+10 47.9	1.489	2.419	11.3	20.0
4 21	11 48.88	+10 55.5	1.535	2.402	15.2	20.2
5 1	11 44.93	+10 41.3	1.599	2.384	18.6	20.4

169263 2001 SV_{175} 3 23.5 64°.79 3°.0/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.49	+ 5 32.2	2.067	2.936	11.0	19.4
3 2	12 26.43	+ 6 27.3	2.015	2.950	7.7	19.2
3 12	12 19.84	+ 7 25.3	1.989	2.965	4.4	19.0
3 22	12 12.40	+ 8 20.3	1.991	2.979	3.0	19.0
4 1	12 4.94	+ 9 6.3	2.021	2.993	5.4	19.2
4 11	11 58.30	+ 9 38.8	2.079	3.008	8.7	19.4
4 21	11 53.11	+ 9 55.5	2.162	3.022	11.7	19.6
5 1	11 49.78	+ 9 55.7	2.265	3.036	14.2	19.8

456923 2007 XD_{49} 3 23.5 66°.42 6°.3/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.67	−18 17.3	1.498	2.301	17.8	20.6
3 2	12 30.05	−18 35.1	1.438	2.318	14.3	20.4
3 12	12 22.08	−18 25.6	1.398	2.335	10.5	20.2
3 22	12 12.71	−17 49.4	1.382	2.352	7.2	20.1
4 1	12 3.23	−16 51.1	1.391	2.369	6.5	20.1
4 11	11 54.94	−15 39.5	1.426	2.386	9.0	20.3
4 21	11 48.78	−14 24.7	1.486	2.403	12.4	20.5
5 1	11 45.33	−13 15.5	1.566	2.421	15.8	20.8

426505 2013 RP_{37} 3 23.5 285°.07 0°.8/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 38.05	+ 0 37.7	1.711	2.569	13.4	20.6
3 2	12 31.71	+ 0 38.6	1.625	2.555	9.7	20.3
3 12	12 23.05	+ 0 46.7	1.564	2.540	5.3	20.0
3 22	12 12.87	+ 0 58.1	1.530	2.526	0.9	19.7
4 1	12 2.28	+ 1 7.9	1.524	2.512	4.5	19.9
4 11	11 52.52	+ 1 11.4	1.546	2.497	9.2	20.1
4 21	11 44.60	+ 1 5.0	1.592	2.483	13.4	20.4
5 1	11 39.23	+ 0 46.5	1.659	2.469	17.0	20.6

215917 2005 JB_{56} 3 23.5 313°.21 0°.5/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.18	− 2 53.4	1.401	2.270	15.2	21.1
3 2	12 27.83	− 2 14.4	1.322	2.256	11.0	20.8
3 12	12 21.02	− 1 19.2	1.266	2.243	6.1	20.4
3 22	12 12.60	− 0 13.8	1.234	2.230	0.8	20.0
4 1	12 3.76	+ 0 53.0	1.229	2.218	4.9	20.3
4 11	11 55.86	+ 1 52.0	1.249	2.206	10.2	20.6
4 21	11 49.97	+ 2 35.8	1.291	2.195	15.0	20.8
5 1	11 46.81	+ 2 59.8	1.352	2.184	19.1	21.0

117820 2005 JY_{4} 3 23.5 11°.50 0°.3/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.53	− 3 44.1	2.120	2.972	11.5	19.7
3 2	12 25.14	− 2 46.6	2.046	2.972	8.2	19.5
3 12	12 19.20	− 1 37.0	1.997	2.972	4.5	19.3
3 22	12 12.33	− 0 20.7	1.976	2.973	0.6	19.0
4 1	12 5.32	+ 0 56.0	1.985	2.973	3.6	19.2
4 11	11 58.98	+ 2 6.2	2.022	2.973	7.4	19.4
4 21	11 53.98	+ 3 4.7	2.085	2.973	10.8	19.6
5 1	11 50.79	+ 3 48.1	2.170	2.973	13.7	19.8

209990 2006 HV_{97} 3 23.5 184°.76 0°.2/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.48	− 2 44.3	2.254	3.102	11.1	21.3
3 2	12 27.16	− 2 13.7	2.178	3.102	7.9	21.1
3 12	12 20.29	− 1 33.6	2.127	3.101	4.3	20.9
3 22	12 12.48	− 0 48.1	2.105	3.101	0.5	20.6
4 1	12 4.52	− 0 1.9	2.112	3.100	3.3	20.8
4 11	11 57.23	+ 0 39.6	2.148	3.099	7.0	21.0
4 21	11 51.26	+ 1 12.5	2.210	3.098	10.3	21.2
5 1	11 47.11	+ 1 33.8	2.295	3.097	13.2	21.4

343020 2009 BH_{100} 3 23.5 334°.03 0°.4/23.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.36	− 2 26.9	1.900	2.759	12.3	21.1
3 2	12 25.92	− 1 50.0	1.823	2.753	8.8	20.9
3 12	12 19.71	− 1 1.7	1.771	2.747	4.8	20.6
3 22	12 12.41	− 0 7.0	1.746	2.742	0.6	20.3
4 1	12 4.89	+ 0 48.1	1.748	2.736	3.9	20.6
4 11	11 58.11	+ 1 36.9	1.778	2.732	8.0	20.8
4 21	11 52.81	+ 2 14.6	1.833	2.727	11.8	21.0
5 1	11 49.55	+ 2 37.7	1.909	2.723	15.0	21.2

86907 2000 HB_{47} 3 23.5 204°.44 0°.3/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 37.11	− 2 50.3	1.841	2.689	13.1	19.7
3 2	12 30.82	− 2 16.9	1.760	2.684	9.4	19.5
3 12	12 22.46	− 1 31.3	1.704	2.679	5.2	19.2
3 22	12 12.78	− 0 38.5	1.676	2.672	0.7	18.9
4 1	12 2.83	+ 0 15.3	1.678	2.665	4.1	19.1
4 11	11 53.71	+ 1 3.4	1.707	2.658	8.5	19.4
4 21	11 46.30	+ 1 40.4	1.762	2.649	12.5	19.6
5 1	11 41.23	+ 2 2.8	1.838	2.640	15.9	19.8

378329 2007 GG_{56} 3 23.5 241°.13 1°.5/21.9 17

2 21	12 31.93	+ 0 12.9	2.058	2.918	11.4	21.5
3 2	12 26.96	+ 1 8.4	1.977	2.909	8.1	21.3
3 12	12 20.26	+ 2 13.2	1.922	2.899	4.4	21.0
3 22	12 12.49	+ 3 21.8	1.895	2.890	1.5	20.8
4 1	12 4.49	+ 4 27.6	1.897	2.880	4.5	21.0
4 11	11 57.16	+ 5 24.0	1.927	2.869	8.3	21.2
4 21	11 51.25	+ 6 6.6	1.982	2.859	11.9	21.4
5 1	11 47.29	+ 6 32.5	2.059	2.848	14.9	21.6

156300 2001 XD_{16} 3 23.5 122°.79 0°.8/24.3 18

2 21	12 33.73	− 6 10.4	2.029	2.868	12.4	20.9
3 2	12 28.11	− 5 35.1	1.963	2.881	9.0	20.7
3 12	12 20.81	− 4 46.7	1.923	2.893	5.2	20.5
3 22	12 12.55	− 3 49.4	1.910	2.905	1.2	20.2
4 1	12 4.22	− 2 49.1	1.927	2.917	3.3	20.4
4 11	11 56.72	− 1 52.0	1.972	2.928	7.2	20.6
4 21	11 50.74	− 1 3.4	2.043	2.939	10.7	20.9
5 1	11 46.76	− 0 27.2	2.137	2.949	13.7	21.1

502607 2015 CB_{16} 3 23.5 247°.52 2°.0/25.5 17

2 21	12 32.91	− 9 6.6	2.037	2.866	12.8	21.2
3 2	12 27.73	− 8 51.6	1.949	2.858	9.6	21.0
3 12	12 20.72	− 8 21.1	1.886	2.850	6.0	20.7
3 22	12 12.56	− 7 37.9	1.850	2.841	2.5	20.5
4 1	12 4.13	− 6 46.5	1.843	2.833	3.4	20.5
4 11	11 56.37	− 5 53.1	1.863	2.824	7.2	20.7
4 21	11 50.07	− 5 3.6	1.910	2.814	10.8	20.9
5 1	11 45.81	− 4 23.3	1.979	2.805	14.1	21.1

434973 2006 UZ_{120} 3 23.5 226°.64 1°.1/22.1 17

2 21	12 31.16	+ 0 48.2	2.685	3.537	9.3	22.2
3 2	12 26.07	+ 1 27.3	2.600	3.528	6.6	22.0
3 12	12 19.65	+ 2 12.6	2.542	3.518	3.5	21.8
3 22	12 12.41	+ 3 0.2	2.513	3.508	1.1	21.6
4 1	12 5.00	+ 3 45.7	2.515	3.497	3.5	21.8
4 11	11 58.10	+ 4 24.7	2.546	3.486	6.7	21.9
4 21	11 52.29	+ 4 54.0	2.603	3.475	9.5	22.1
5 1	11 47.99	+ 5 11.7	2.684	3.463	12.0	22.3

312104 2007 TX_{153} 3 23.5 90°.02 3°.5/26.7 18

2 21	12 34.03	−12 45.3	1.525	2.354	16.3	20.5
3 2	12 28.87	−12 27.1	1.457	2.362	12.5	20.2
3 12	12 21.45	−11 45.3	1.411	2.369	8.2	20.0
3 22	12 12.66	−10 43.1	1.390	2.377	4.3	19.8
4 1	12 3.69	− 9 27.3	1.395	2.384	4.5	19.8
4 11	11 55.77	− 8 7.3	1.427	2.391	8.4	20.0
4 21	11 49.84	− 6 52.4	1.483	2.399	12.6	20.3
5 1	11 46.49	− 5 49.9	1.561	2.406	16.3	20.6

9867 1991 VM 3 23.5 127°.84 3°.5/20.4 18

2 21	12 37.58	+ 5 2.2	1.661	2.529	13.3	18.3
3 2	12 31.06	+ 6 9.0	1.610	2.545	9.3	18.1
3 12	12 22.49	+ 7 20.4	1.583	2.559	5.3	17.9
3 22	12 12.78	+ 8 28.2	1.584	2.573	3.6	17.8
4 1	12 3.08	+ 9 24.5	1.614	2.586	6.5	18.0
4 11	11 54.49	+10 3.2	1.670	2.598	10.4	18.2
4 21	11 47.86	+10 21.9	1.750	2.610	13.9	18.5
5 1	11 43.66	+10 20.4	1.849	2.621	16.9	18.7

50926 2000 GF_{65} 3 23.5 96°.99 2°.6/21.2 18

2 21	12 36.85	+ 3 56.6	1.770	2.634	12.7	18.0
3 2	12 30.40	+ 4 40.0	1.720	2.654	8.9	17.8
3 12	12 22.07	+ 5 28.0	1.696	2.673	4.9	17.6
3 22	12 12.73	+ 6 14.1	1.699	2.691	2.6	17.5
4 1	12 3.44	+ 6 52.1	1.732	2.709	5.5	17.7
4 11	11 55.22	+ 7 16.8	1.791	2.727	9.3	18.0
4 21	11 48.82	+ 7 26.0	1.875	2.745	12.7	18.2
5 1	11 44.70	+ 7 19.1	1.979	2.762	15.6	18.4

437648 2014 BX_{51} 3 23.5 94°.16 0°.9/22.5 17

2 21	12 32.76	− 0 1.3	2.215	3.070	10.9	21.3
3 2	12 27.30	+ 0 28.9	2.153	3.081	7.7	21.2
3 12	12 20.33	+ 1 5.9	2.116	3.092	4.1	21.0
3 22	12 12.50	+ 1 45.6	2.108	3.103	0.9	20.7
4 1	12 4.63	+ 2 23.0	2.129	3.115	3.7	21.0
4 11	11 57.50	+ 2 53.5	2.179	3.125	7.2	21.2
4 21	11 51.75	+ 3 14.0	2.255	3.136	10.4	21.4
5 1	11 47.81	+ 3 22.5	2.353	3.147	13.1	21.6

85876 1999 CQ_{7} 3 23.5 179°.57 6°.9/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 44.14	−19 3.9	1.917	2.685	15.8	18.8
3 2	12 36.04	−20 5.5	1.831	2.687	12.9	18.6
3 12	12 25.47	−20 46.7	1.769	2.688	9.9	18.4
3 22	12 13.23	−21 5.0	1.733	2.689	7.5	18.3
4 1	12 0.53	−21 0.6	1.725	2.688	7.1	18.3
4 11	11 48.67	−20 37.7	1.746	2.687	9.1	18.4
4 21	11 38.76	−20 3.0	1.792	2.686	12.0	18.5
5 1	11 31.53	−19 24.7	1.862	2.683	15.0	18.7

315243 2007 RE_{296} 3 23.5 126°.58 0°.1/23.5 18

2 21	12 36.60	− 3 39.1	1.761	2.610	13.6	22.2
3 2	12 30.33	− 3 2.2	1.700	2.624	9.7	22.0
3 12	12 22.10	− 2 12.8	1.663	2.638	5.4	21.7
3 22	12 12.75	− 1 16.3	1.654	2.651	0.7	21.4
4 1	12 3.34	− 0 19.2	1.674	2.663	3.9	21.7
4 11	11 54.93	+ 0 31.4	1.722	2.675	8.3	22.0
4 21	11 48.34	+ 1 10.5	1.795	2.686	12.1	22.2
5 1	11 44.07	+ 1 34.9	1.889	2.696	15.3	22.5

435236 2007 RU_{320} 3 23.5 144°.94 1°.5/25.5 17

2 21	12 30.36	− 9 34.7	2.436	3.259	11.1	22.0
3 2	12 25.57	− 8 54.0	2.359	3.265	8.3	21.8
3 12	12 19.38	− 7 59.1	2.308	3.271	5.1	21.6
3 22	12 12.39	− 6 53.7	2.285	3.277	2.0	21.4
4 1	12 5.29	− 5 42.6	2.292	3.282	2.8	21.5
4 11	11 58.81	− 4 31.8	2.329	3.288	6.0	21.7
4 21	11 53.55	− 3 26.7	2.393	3.292	9.1	21.9
5 1	11 49.92	− 2 31.5	2.481	3.297	11.9	22.1

82583 2001 OK_{87} 3 23.5 191°.15 2°.7/19.9 17

2 21	12 30.25	+ 5 7.4	2.450	3.315	9.6	20.1
3 2	12 25.49	+ 6 15.2	2.381	3.315	6.8	19.9
3 12	12 19.34	+ 7 27.1	2.338	3.313	3.9	19.7
3 22	12 12.38	+ 8 37.5	2.325	3.312	2.8	19.6
4 1	12 5.30	+ 9 40.5	2.341	3.310	5.0	19.8
4 11	11 58.82	+10 31.3	2.386	3.308	8.0	19.9
4 21	11 53.52	+11 6.9	2.456	3.306	10.8	20.1
5 1	11 49.85	+11 26.0	2.548	3.303	13.2	20.3

426622 2013 SW_{58} 3 23.5 224°.10 0°.4/23.9 17

2 21	12 32.48	− 5 7.5	1.989	2.835	12.4	21.6
3 2	12 27.40	− 4 26.9	1.907	2.829	9.0	21.4
3 12	12 20.53	− 3 32.6	1.851	2.824	5.1	21.1
3 22	12 12.55	− 2 29.1	1.822	2.818	0.9	20.8
4 1	12 4.35	− 1 22.7	1.822	2.811	3.5	21.0
4 11	11 56.86	− 0 20.1	1.850	2.805	7.7	21.2
4 21	11 50.84	+ 0 32.8	1.903	2.798	11.4	21.4
5 1	11 46.87	+ 1 11.9	1.979	2.791	14.6	21.6

455622 2004 VS_{5} 3 23.5 177°.76 2°.1/21.5 18

2 21	12 37.09	+ 2 18.6	2.002	2.858	11.9	22.6
3 2	12 30.59	+ 3 9.3	1.931	2.861	8.4	22.4
3 12	12 22.24	+ 4 6.7	1.887	2.863	4.6	22.2
3 22	12 12.78	+ 5 4.9	1.871	2.864	2.1	22.0
4 1	12 3.18	+ 5 57.6	1.886	2.865	4.9	22.2
4 11	11 54.42	+ 6 39.0	1.928	2.864	8.8	22.4
4 21	11 47.27	+ 7 5.6	1.996	2.862	12.2	22.6
5 1	11 42.26	+ 7 15.7	2.086	2.860	15.2	22.8

115745 2003 UU_{193} 3 23.5 193°.45 1°.1/22.3 17

2 21	12 31.89	− 0 27.2	2.122	2.979	11.3	20.3
3 2	12 26.83	+ 0 18.2	2.048	2.978	8.0	20.1
3 12	12 20.15	+ 1 12.4	2.000	2.977	4.3	19.9
3 22	12 12.50	+ 2 10.2	1.981	2.976	1.1	19.6
4 1	12 4.69	+ 3 5.8	1.990	2.975	4.0	19.8
4 11	11 57.59	+ 3 53.5	2.028	2.973	7.8	20.1
4 21	11 51.88	+ 4 29.1	2.091	2.972	11.1	20.3
5 1	11 48.04	+ 4 50.2	2.176	2.970	14.0	20.5

382377 2013 TB_{110} 3 23.5 177°.62 1°.8/25.4 17

2 21	12 33.29	− 8 50.9	2.235	3.061	11.9	21.4
3 2	12 27.79	− 8 31.1	2.155	3.062	8.9	21.2
3 12	12 20.68	− 7 57.5	2.100	3.063	5.5	21.0
3 22	12 12.58	− 7 12.8	2.072	3.064	2.2	20.8
4 1	12 4.31	− 6 21.4	2.074	3.064	3.1	20.8
4 11	11 56.72	− 5 29.1	2.105	3.064	6.6	21.0
4 21	11 50.49	− 4 41.0	2.163	3.063	9.9	21.3
5 1	11 46.14	− 4 1.7	2.244	3.062	12.9	21.4

63043 2000 WZ_{83} 3 23.5 240°.64 3°.8/26.8 18

2 21	12 35.09	−12 58.3	1.691	2.512	15.4	19.3
3 2	12 29.67	−12 53.7	1.604	2.503	11.9	19.0
3 12	12 21.97	−12 27.7	1.539	2.494	8.0	18.8
3 22	12 12.77	−11 41.8	1.500	2.485	4.5	18.5
4 1	12 3.18	−10 40.6	1.487	2.475	4.6	18.5
4 11	11 54.39	− 9 32.0	1.502	2.465	8.3	18.7
4 21	11 47.43	− 8 24.5	1.542	2.454	12.4	18.9
5 1	11 42.98	− 7 25.7	1.603	2.443	16.2	19.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
350838 Gorelysheva			3 23.5	42°.83	5°.2/29.1	17
	h m	° ′			°	m
2 21	12 33.62	−18 37.4	2.426	3.199	12.7	20.6
3 2	12 28.04	−19 7.6	2.341	3.201	10.3	20.4
3 12	12 20.84	−19 20.6	2.279	3.202	7.8	20.3
3 22	12 12.61	−19 16.2	2.244	3.203	5.7	20.1
4 1	12 4.14	−18 56.0	2.236	3.205	5.3	20.1
4 11	11 56.29	−18 24.0	2.257	3.206	6.8	20.2
4 21	11 49.74	−17 45.4	2.304	3.208	9.3	20.4
5 1	11 45.03	−17 5.5	2.375	3.209	11.8	20.5
34793 2001 SO_{12}			3 23.5	85°.22	0°.4/23.9	18
2 21	12 30.82	− 5 19.8	2.220	3.063	11.4	18.8
3 2	12 25.93	− 4 37.7	2.158	3.078	8.2	18.6
3 12	12 19.59	− 3 44.1	2.121	3.093	4.6	18.4
3 22	12 12.43	− 2 43.4	2.112	3.107	0.9	18.1
4 1	12 5.23	− 1 41.1	2.132	3.122	3.1	18.3
4 11	11 58.75	− 0 43.1	2.182	3.137	6.7	18.6
4 21	11 53.60	+ 0 6.0	2.257	3.151	9.9	18.8
5 1	11 50.21	+ 0 43.0	2.356	3.165	12.6	19.0
420099 2011 ER_{73}			3 23.5	43°.75	3°.2/20.5	18
2 21	12 31.76	+ 4 7.5	1.659	2.535	12.8	20.4
3 2	12 26.99	+ 5 13.3	1.604	2.543	9.0	20.2
3 12	12 20.31	+ 6 25.0	1.574	2.552	5.1	19.9
3 22	12 12.53	+ 7 34.8	1.571	2.561	3.2	19.8
4 1	12 4.69	+ 8 34.6	1.595	2.570	6.2	20.0
4 11	11 57.81	+ 9 18.0	1.645	2.579	10.1	20.3
4 21	11 52.68	+ 9 41.9	1.718	2.589	13.6	20.5
5 1	11 49.78	+ 9 45.4	1.810	2.599	16.6	20.8
377789 2006 AV_{11}			3 23.5	219°.69	1°.5/25.3	18
2 21	12 33.88	− 8 47.2	2.638	3.455	10.6	22.7
3 2	12 28.10	− 8 21.8	2.539	3.442	7.9	22.5
3 12	12 20.83	− 7 43.8	2.466	3.429	4.9	22.2
3 22	12 12.61	− 6 55.7	2.423	3.415	1.9	22.0
4 1	12 4.15	− 6 1.3	2.411	3.400	2.8	22.1
4 11	11 56.19	− 5 5.6	2.428	3.384	6.0	22.2
4 21	11 49.37	− 4 13.4	2.474	3.368	9.1	22.4
5 1	11 44.20	− 3 28.9	2.544	3.350	11.9	22.6
96672 1999 JG_{36}			3 23.5	124°.99	4°.9/19.4	18
2 21	12 37.07	+ 8 41.5	1.587	2.462	13.4	19.1
3 2	12 30.84	+ 9 47.5	1.535	2.471	9.6	18.9
3 12	12 22.45	+10 54.4	1.507	2.479	6.0	18.7
3 22	12 12.82	+11 53.5	1.506	2.488	5.0	18.7
4 1	12 3.16	+12 36.9	1.532	2.496	7.8	18.9
4 11	11 54.64	+12 59.5	1.584	2.504	11.5	19.1
4 21	11 48.13	+12 59.8	1.659	2.511	15.0	19.3
5 1	11 44.14	+12 38.9	1.752	2.518	17.9	19.6
497791 2006 SL_{400}			3 23.5	109°.75	1°.2/22.0	17
2 21	12 31.46	+ 1 6.7	2.580	3.434	9.6	22.5
3 2	12 26.20	+ 1 46.0	2.520	3.449	6.7	22.3
3 12	12 19.67	+ 2 30.5	2.487	3.464	3.6	22.1
3 22	12 12.45	+ 3 16.3	2.484	3.478	1.2	22.0
4 1	12 5.19	+ 3 58.7	2.510	3.492	3.6	22.2
4 11	11 58.58	+ 4 33.9	2.566	3.506	6.6	22.4
4 21	11 53.15	+ 4 58.9	2.648	3.520	9.4	22.6
5 1	11 49.27	+ 5 12.2	2.753	3.533	11.7	22.8
377425 2004 TL_{166}			3 23.5	182°.79	0°.7/24.3	17
2 21	12 33.98	− 5 14.3	2.146	2.986	11.9	21.9
3 2	12 28.33	− 4 52.9	2.068	2.986	8.6	21.6
3 12	12 21.00	− 4 19.9	2.015	2.986	5.0	21.4
3 22	12 12.64	− 3 38.7	1.991	2.986	1.2	21.1
4 1	12 4.10	− 2 54.2	1.995	2.985	3.2	21.3
4 11	11 56.28	− 2 11.7	2.029	2.984	7.0	21.5
4 21	11 49.88	− 1 36.1	2.088	2.983	10.5	21.7
5 1	11 45.43	− 1 10.8	2.171	2.981	13.5	21.9
131014 2000 XG_{13}			3 23.5	141°.77	0°.7/22.8	18
2 21	12 36.55	− 1 40.5	1.937	2.787	12.5	21.1
3 2	12 30.17	− 0 57.0	1.874	2.800	8.9	20.9
3 12	12 21.99	− 0 3.6	1.837	2.812	4.8	20.7
3 22	12 12.77	+ 0 54.4	1.827	2.823	0.8	20.4
4 1	12 3.48	+ 1 50.7	1.848	2.834	4.1	20.7
4 11	11 55.11	+ 2 38.9	1.897	2.844	8.1	20.9
4 21	11 48.40	+ 3 14.9	1.971	2.853	11.7	21.2
5 1	11 43.85	+ 3 36.1	2.068	2.861	14.7	21.4
204220 2004 CJ_{85}			3 23.5	77°.55	0°.6/22.9	17
2 21	12 32.56	− 1 21.6	2.090	2.944	11.5	20.2
3 2	12 27.25	− 0 52.0	2.027	2.954	8.2	20.0
3 12	12 20.35	− 0 14.0	1.989	2.965	4.4	19.7
3 22	12 12.55	+ 0 28.1	1.979	2.975	0.7	19.5
4 1	12 4.68	+ 1 9.1	1.998	2.986	3.6	19.7
4 11	11 57.58	+ 1 43.9	2.046	2.996	7.4	20.0
4 21	11 51.93	+ 2 8.8	2.119	3.006	10.7	20.2
5 1	11 48.18	+ 2 21.4	2.214	3.017	13.5	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
160796 2000 UL_{20}			3 23.5	69°.19	0°.4/23.2	18
	h m	° ′			°	m
2 21	12 35.24	− 3 18.3	1.377	2.241	15.7	20.0
3 2	12 29.71	− 2 34.4	1.326	2.258	11.2	19.8
3 12	12 21.88	− 1 35.8	1.298	2.275	6.1	19.5
3 22	12 12.76	− 0 29.5	1.296	2.292	0.8	19.2
4 1	12 3.64	+ 0 35.7	1.320	2.309	4.7	19.5
4 11	11 55.78	+ 1 31.2	1.370	2.326	9.6	19.8
4 21	11 50.08	+ 2 11.1	1.443	2.343	14.0	20.1
5 1	11 47.05	+ 2 32.3	1.536	2.360	17.5	20.4
274243 2008 OH_3			3 23.5	245°.93	3°.1/19.9	17
2 21	12 31.49	+ 4 19.8	1.997	2.866	11.3	20.6
3 2	12 26.71	+ 5 39.0	1.920	2.856	8.0	20.4
3 12	12 20.17	+ 7 5.1	1.870	2.846	4.6	20.1
3 22	12 12.54	+ 8 31.0	1.848	2.836	3.3	20.0
4 1	12 4.69	+ 9 48.6	1.855	2.825	6.0	20.2
4 11	11 57.52	+10 51.2	1.889	2.814	9.6	20.4
4 21	11 51.80	+11 34.7	1.947	2.803	12.9	20.5
5 1	11 48.08	+11 57.5	2.026	2.792	15.8	20.7
109281 2001 QX_{118}			3 23.5	45°.31	7°.7/29.4	18
2 21	12 38.97	−18 42.8	1.356	2.160	19.4	18.2
3 2	12 32.54	−19 41.2	1.309	2.187	15.7	18.0
3 12	12 23.51	−20 11.1	1.282	2.213	11.8	17.9
3 22	12 13.00	−20 11.3	1.277	2.241	8.6	17.8
4 1	12 2.46	−19 44.9	1.297	2.269	7.8	17.8
4 11	11 53.37	−19 0.1	1.342	2.297	9.9	18.0
4 21	11 46.72	−18 6.9	1.410	2.325	13.1	18.2
5 1	11 43.09	−17 14.8	1.498	2.354	16.3	18.5
81452 2000 GQ_{125}			3 23.5	266°.74	0°.8/22.7	17
2 21	12 30.40	− 4 15.7	1.746	2.603	13.3	18.8
3 2	12 26.14	− 2 51.8	1.665	2.595	9.5	18.5
3 12	12 19.94	− 1 10.6	1.610	2.587	5.1	18.2
3 22	12 12.53	+ 0 40.9	1.583	2.579	0.8	17.9
4 1	12 4.86	+ 2 32.8	1.584	2.570	4.5	18.1
4 11	11 57.96	+ 4 15.2	1.612	2.562	9.1	18.4
4 21	11 52.67	+ 5 40.2	1.666	2.553	13.1	18.6
5 1	11 49.57	+ 6 43.3	1.740	2.545	16.6	18.8
297624 2001 TQ_{53}			3 23.5	181°.44	2°.4/21.6	18
2 21	12 38.74	+ 3 6.8	1.720	2.582	13.2	21.4
3 2	12 32.03	+ 3 45.9	1.651	2.583	9.4	21.2
3 12	12 23.15	+ 4 31.5	1.607	2.584	5.2	20.9
3 22	12 12.96	+ 5 17.1	1.591	2.584	2.4	20.7
4 1	12 2.59	+ 5 56.2	1.603	2.583	5.5	20.9
4 11	11 53.20	+ 6 22.7	1.643	2.582	9.8	21.2
4 21	11 45.71	+ 6 33.6	1.707	2.580	13.6	21.4
5 1	11 40.71	+ 6 27.4	1.791	2.577	16.9	21.6
206793 2004 DW_{23}			3 23.5	27°.91	0°.7/24.3	17
2 21	12 31.27	− 5 23.0	2.025	2.871	12.2	20.8
3 2	12 26.47	− 4 56.5	1.952	2.873	8.9	20.5
3 12	12 20.00	− 4 17.6	1.904	2.876	5.1	20.3
3 22	12 12.53	− 3 30.2	1.883	2.878	1.2	20.0
4 1	12 4.91	− 2 39.6	1.891	2.881	3.3	20.2
4 11	11 58.03	− 1 51.6	1.926	2.884	7.2	20.4
4 21	11 52.58	− 1 11.5	1.987	2.887	10.7	20.7
5 1	11 49.07	− 0 42.8	2.071	2.890	13.8	20.9
322778 2001 KR_{51}			3 23.5	358°.62	26°.6/29.1	17
2 21	12 54.84	+51 5.1	0.925	1.722	26.8	19.0
3 2	12 45.66	+52 43.4	0.913	1.718	26.7	19.0
3 12	12 31.06	+53 21.5	0.912	1.716	27.0	19.0
3 22	12 13.96	+52 45.4	0.923	1.715	27.8	19.0
4 1	11 58.00	+50 52.1	0.945	1.715	29.0	19.1
4 11	11 46.02	+47 51.4	0.978	1.717	30.3	19.2
4 21	11 39.13	+44 0.4	1.021	1.719	31.7	19.4
5 1	11 37.24	+39 36.0	1.074	1.723	32.9	19.5
15001 Fuzhou			3 23.5	142°.35	3°.8/19.2	18
2 21	12 34.01	+10 12.1	2.420	3.284	9.8	18.4
3 2	12 28.11	+10 56.5	2.361	3.292	7.0	18.3
3 12	12 20.77	+11 39.9	2.330	3.299	4.5	18.1
3 22	12 12.63	+12 17.2	2.327	3.305	3.9	18.1
4 1	12 4.45	+12 43.8	2.354	3.312	5.8	18.2
4 11	11 56.99	+12 56.6	2.408	3.318	8.5	18.4
4 21	11 50.85	+12 54.3	2.488	3.324	11.1	18.6
5 1	11 46.46	+12 37.2	2.588	3.329	13.4	18.8
103247 2000 AS_4			3 23.5	136°.40	2°.1/25.3	18
2 21	12 38.39	− 8 46.8	1.601	2.436	15.4	19.5
3 2	12 31.88	− 8 31.0	1.535	2.448	11.5	19.3
3 12	12 23.09	− 7 56.9	1.493	2.458	7.0	19.0
3 22	12 12.96	− 7 8.2	1.476	2.469	2.7	18.8
4 1	12 2.70	− 6 11.1	1.488	2.478	4.0	18.9
4 11	11 53.53	− 5 13.6	1.527	2.487	8.4	19.2
4 21	11 46.40	− 4 23.0	1.591	2.495	12.6	19.4
5 1	11 41.87	− 3 44.6	1.676	2.503	16.2	19.7

164335 2005 BR_2 3 23.5 121°.12 3°.7/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 46.39	+ 9 6.9	1.837	2.690	12.9	20.0
3 2	12 37.12	+ 9 18.2	1.783	2.709	9.3	19.8
3 12	12 25.76	+ 9 27.8	1.756	2.727	5.5	19.6
3 22	12 13.31	+ 9 30.3	1.758	2.745	3.7	19.6
4 1	12 0.98	+ 9 21.6	1.791	2.762	6.2	19.8
4 11	11 49.94	+ 8 59.5	1.853	2.778	9.8	20.0
4 21	11 41.01	+ 8 24.0	1.941	2.793	13.1	20.2
5 1	11 34.68	+ 7 36.4	2.050	2.808	15.9	20.5

488723 2004 JD_{43} 3 23.5 245°.54 14°.9/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.22	+38 28.4	1.699	2.509	15.8	21.0
3 2	12 37.93	+40 14.5	1.656	2.494	15.0	20.9
3 12	12 26.59	+41 33.2	1.635	2.478	15.0	20.9
3 22	12 13.44	+42 13.0	1.635	2.461	16.0	20.9
4 1	12 0.16	+42 7.3	1.656	2.444	17.6	21.0
4 11	11 48.43	+41 16.8	1.694	2.425	19.5	21.1
4 21	11 39.47	+39 47.5	1.748	2.407	21.3	21.2
5 1	11 33.89	+37 47.4	1.814	2.388	23.0	21.3

110994 2001 UC_{213} 3 23.6 244°.72 3°.1/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.65	+ 4 11.3	2.137	3.002	10.9	20.1
3 2	12 27.52	+ 5 36.9	2.050	2.984	7.7	19.9
3 12	12 20.65	+ 7 10.3	1.990	2.965	4.4	19.6
3 22	12 12.65	+ 8 44.5	1.958	2.946	3.2	19.5
4 1	12 4.33	+10 11.4	1.957	2.926	5.9	19.7
4 11	11 56.62	+11 24.1	1.984	2.905	9.4	19.8
4 21	11 50.27	+12 17.9	2.036	2.884	12.8	20.0
5 1	11 45.85	+12 50.8	2.108	2.862	15.6	20.2

425365 2010 BF_{129} 3 23.6 153°.02 2°.0/25.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.87	− 8 26.6	2.006	2.836	13.0	21.8
3 2	12 29.08	− 8 19.8	1.930	2.839	9.7	21.6
3 12	12 21.46	− 7 58.8	1.879	2.843	6.0	21.4
3 22	12 12.75	− 7 26.1	1.854	2.846	2.5	21.2
4 1	12 3.85	− 6 46.1	1.859	2.849	3.4	21.3
4 11	11 55.74	− 6 4.5	1.892	2.852	7.1	21.5
4 21	11 49.18	− 5 26.7	1.951	2.854	10.7	21.7
5 1	11 44.71	− 4 57.2	2.033	2.856	13.8	21.9

182777 2001 YC_7 3 23.6 116°.84 3°.2/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.27	−13 25.9	2.427	3.231	11.8	20.5
3 2	12 27.00	−13 27.2	2.349	3.237	9.2	20.3
3 12	12 20.24	−13 13.4	2.294	3.242	6.3	20.1
3 22	12 12.59	−12 46.1	2.268	3.248	3.7	20.0
4 1	12 4.79	−12 8.3	2.270	3.254	3.6	20.0
4 11	11 57.62	−11 24.9	2.300	3.259	6.1	20.2
4 21	11 51.72	−10 40.8	2.358	3.265	9.0	20.3
5 1	11 47.55	−10 0.7	2.440	3.270	11.6	20.5

17160 1999 LT_{10} 3 23.6 180°.41 1°.0/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.49	− 1 13.7	2.349	3.204	10.4	18.7
3 2	12 25.02	− 0 14.4	2.275	3.204	7.3	18.5
3 12	12 19.15	+ 0 53.9	2.227	3.204	3.9	18.3
3 22	12 12.44	+ 2 6.2	2.209	3.204	1.0	18.1
4 1	12 5.61	+ 3 16.5	2.220	3.204	3.7	18.3
4 11	11 59.38	+ 4 19.1	2.260	3.204	7.2	18.5
4 21	11 54.36	+ 5 9.8	2.326	3.204	10.3	18.7
5 1	11 50.99	+ 5 45.8	2.414	3.203	12.9	18.9

409373 2005 BM_{24} 3 23.6 1°.76 8°.4/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.56	−15 41.3	1.164	1.995	20.3	19.1
3 2	12 32.28	−17 13.5	1.097	1.993	16.5	18.9
3 12	12 23.80	−18 21.6	1.048	1.992	12.4	18.6
3 22	12 13.12	−19 1.2	1.022	1.992	9.1	18.5
4 1	12 1.86	−19 11.6	1.018	1.993	8.7	18.4
4 11	11 51.84	−18 58.4	1.037	1.996	11.6	18.6
4 21	11 44.49	−18 31.1	1.077	2.000	15.6	18.8
5 1	11 40.70	−18 0.3	1.135	2.005	19.4	19.1

40608 1999 RS_{159} 3 23.6 268°.03 3°.3/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.85	+ 3 6.1	1.573	2.448	13.5	19.4
3 2	12 28.11	+ 4 26.2	1.497	2.436	9.5	19.1
3 12	12 21.14	+ 5 56.6	1.446	2.424	5.4	18.9
3 22	12 12.74	+ 7 28.5	1.422	2.412	3.4	18.7
4 1	12 4.01	+ 8 51.8	1.425	2.400	6.8	18.9
4 11	11 56.15	+ 9 57.7	1.454	2.388	11.2	19.1
4 21	11 50.13	+10 40.8	1.505	2.376	15.3	19.3
5 1	11 46.60	+10 59.3	1.576	2.363	18.7	19.5

133154 2003 QL_{23} 3 23.6 276°.34 4°.4/26.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.84	−13 16.5	1.551	2.376	16.3	20.1
3 2	12 29.76	−13 21.9	1.461	2.362	12.8	19.8
3 12	12 22.18	−13 4.5	1.393	2.347	8.7	19.6
3 22	12 12.90	−12 25.2	1.349	2.333	5.1	19.3
4 1	12 3.08	−11 28.2	1.331	2.318	5.1	19.3
4 11	11 54.09	−10 21.6	1.339	2.303	9.0	19.5
4 21	11 47.03	− 9 14.5	1.372	2.288	13.4	19.7
5 1	11 42.71	− 8 15.5	1.425	2.274	17.4	19.9

297485 2000 UB_{25} 3 23.6 117°.41 0°.3/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 36.05	− 4 6.7	1.854	2.700	13.1	21.9
3 2	12 29.83	− 3 8.2	1.799	2.722	9.3	21.7
3 12	12 21.81	− 1 57.0	1.769	2.743	5.1	21.5
3 22	12 12.80	− 0 39.2	1.767	2.763	0.6	21.2
4 1	12 3.82	+ 0 37.5	1.795	2.783	3.9	21.5
4 11	11 55.83	+ 1 46.0	1.851	2.801	8.0	21.7
4 21	11 49.56	+ 2 40.9	1.933	2.819	11.7	22.0
5 1	11 45.46	+ 3 19.2	2.037	2.836	14.7	22.2

351469 2005 OG_1 3 23.6 195°.78 4°.3/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.08	+15 33.2	3.162	4.021	7.9	21.8
3 2	12 26.56	+16 24.4	3.097	4.018	5.9	21.6
3 12	12 19.88	+17 12.0	3.060	4.014	4.5	21.5
3 22	12 12.55	+17 51.7	3.053	4.010	4.5	21.5
4 1	12 5.13	+18 19.9	3.075	4.005	6.0	21.6
4 11	11 58.22	+18 34.0	3.125	4.000	7.9	21.7
4 21	11 52.32	+18 33.4	3.200	3.994	9.9	21.9
5 1	11 47.78	+18 18.5	3.297	3.988	11.6	22.0

285545 2000 GX_{180} 3 23.6 269°.48 2°.2/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.61	+ 2 12.9	1.453	2.323	14.7	20.7
3 2	12 31.74	+ 2 44.5	1.374	2.309	10.5	20.4
3 12	12 23.26	+ 3 25.2	1.318	2.296	5.8	20.1
3 22	12 13.05	+ 4 8.2	1.288	2.282	2.2	19.8
4 1	12 2.38	+ 4 45.8	1.284	2.268	5.9	20.0
4 11	11 52.70	+ 5 10.9	1.307	2.254	11.0	20.2
4 21	11 45.13	+ 5 18.9	1.352	2.239	15.6	20.5
5 1	11 40.42	+ 5 7.9	1.416	2.225	19.5	20.7

246123 2007 JF_{13} 3 23.6 321°.89 6°.2/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.30	+ 8 47.0	1.095	1.990	16.4	20.1
3 2	12 29.98	+ 9 46.2	1.025	1.970	12.0	19.7
3 12	12 22.54	+10 49.5	0.976	1.952	7.7	19.4
3 22	12 12.96	+11 45.1	0.949	1.934	6.4	19.3
4 1	12 2.82	+12 21.3	0.946	1.917	10.0	19.4
4 11	11 53.88	+12 29.6	0.964	1.901	15.1	19.7
4 21	11 47.52	+12 7.5	1.001	1.886	20.0	19.9
5 1	11 44.59	+11 16.5	1.053	1.872	24.1	20.1

211474 2003 EF_{19} 3 23.6 99°.89 1°.4/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.30	− 0 12.4	2.320	3.178	10.4	20.3
3 2	12 24.87	+ 0 54.8	2.253	3.185	7.3	20.1
3 12	12 19.06	+ 2 10.2	2.214	3.191	3.9	19.9
3 22	12 12.44	+ 3 28.2	2.203	3.197	1.4	19.7
4 1	12 5.74	+ 4 42.6	2.222	3.203	4.0	19.9
4 11	11 59.68	+ 5 47.7	2.269	3.209	7.4	20.1
4 21	11 54.84	+ 6 39.3	2.342	3.215	10.4	20.3
5 1	11 51.65	+ 7 15.1	2.438	3.221	13.0	20.5

70530 1999 TP_{117} 3 23.6 110°.83 2°.2/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.10	− 8 18.9	1.664	2.500	14.9	19.9
3 2	12 30.91	− 8 15.2	1.598	2.510	11.1	19.7
3 12	12 22.56	− 7 55.0	1.555	2.520	6.8	19.5
3 22	12 12.93	− 7 21.3	1.538	2.530	2.7	19.2
4 1	12 3.16	− 6 39.3	1.549	2.540	3.9	19.3
4 11	11 54.41	− 5 55.9	1.588	2.549	8.1	19.6
4 21	11 47.58	− 5 17.6	1.651	2.558	12.1	19.9
5 1	11 43.24	− 4 49.2	1.737	2.566	15.6	20.1

415879 2001 SV_{324} 3 23.6 144°.95 1°.3/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.14	− 8 23.3	2.306	3.130	11.7	22.0
3 2	12 28.30	− 7 49.3	2.235	3.143	8.6	21.8
3 12	12 20.94	− 7 1.9	2.189	3.154	5.2	21.6
3 22	12 12.70	− 6 4.5	2.172	3.165	1.8	21.4
4 1	12 4.39	− 5 2.2	2.186	3.176	3.0	21.5
4 11	11 56.79	− 4 0.8	2.228	3.185	6.4	21.7
4 21	11 50.57	− 3 5.5	2.298	3.194	9.7	22.0
5 1	11 46.16	− 2 20.4	2.392	3.202	12.4	22.2

5676 Voltaire 3 23.6 191°.07 2°.7/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.80	−13 26.6	2.114	2.924	13.1	17.1
3 2	12 27.59	−12 42.0	2.028	2.923	10.1	16.9
3 12	12 20.66	−11 37.3	1.966	2.921	6.6	16.7
3 22	12 12.68	−10 15.7	1.932	2.918	3.3	16.5
4 1	12 4.49	− 8 43.1	1.927	2.915	3.5	16.5
4 11	11 57.01	− 7 7.3	1.951	2.912	6.8	16.7
4 21	11 50.97	− 5 36.1	2.003	2.908	10.4	16.9
5 1	11 46.90	− 4 16.0	2.078	2.903	13.5	17.1

216084 2006 QA_{96} 3 23.6 109°.86 1°.7/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.41	+ 3 50.5	2.501	3.354	9.9	20.8
3 2	12 29.03	+ 4 8.5	2.441	3.369	7.0	20.6
3 12	12 21.26	+ 4 29.4	2.408	3.384	3.8	20.4
3 22	12 12.75	+ 4 49.6	2.405	3.398	1.7	20.3
4 1	12 4.22	+ 5 5.2	2.433	3.413	3.9	20.5
4 11	11 56.42	+ 5 13.4	2.490	3.427	7.0	20.7
4 21	11 49.93	+ 5 12.1	2.573	3.440	9.8	20.9
5 1	11 45.15	+ 5 0.4	2.680	3.454	12.2	21.1

241431 2008 WF_{85} 3 23.6 49°.65 1°.0/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.54	− 0 38.1	1.999	2.858	11.7	21.0
3 2	12 26.67	+ 0 4.0	1.931	2.861	8.3	20.8
3 12	12 20.13	+ 0 55.1	1.887	2.864	4.5	20.6
3 22	12 12.60	+ 1 50.1	1.872	2.868	1.0	20.3
4 1	12 4.95	+ 2 42.7	1.885	2.871	4.1	20.5
4 11	11 58.06	+ 3 27.4	1.926	2.874	7.9	20.8
4 21	11 52.62	+ 3 59.8	1.992	2.878	11.4	21.0
5 1	11 49.13	+ 4 17.6	2.080	2.881	14.3	21.2

380836 2006 AL_{37} 3 23.6 240°.68 3°.0/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.70	+ 4 52.6	2.047	2.914	11.2	20.9
3 2	12 27.55	+ 5 52.4	1.971	2.905	7.9	20.6
3 12	12 20.66	+ 6 57.5	1.921	2.897	4.5	20.4
3 22	12 12.69	+ 8 1.5	1.899	2.887	3.0	20.3
4 1	12 4.50	+ 8 57.8	1.906	2.878	5.6	20.4
4 11	11 57.02	+ 9 40.6	1.940	2.868	9.2	20.6
4 21	11 50.98	+10 6.5	1.999	2.858	12.5	20.8
5 1	11 46.92	+10 14.3	2.078	2.848	15.3	21.0

245511 2005 SY_{42} 3 23.6 216°.70 1°.8/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.62	−10 19.8	2.710	3.527	10.3	20.6
3 2	12 25.03	− 9 51.3	2.621	3.522	7.8	20.4
3 12	12 19.14	− 9 9.8	2.558	3.517	4.9	20.2
3 22	12 12.47	− 8 17.7	2.522	3.512	2.2	20.0
4 1	12 5.64	− 7 19.0	2.517	3.507	2.7	20.0
4 11	11 59.32	− 6 18.7	2.542	3.501	5.6	20.2
4 21	11 54.05	− 5 21.4	2.594	3.496	8.5	20.4
5 1	11 50.28	− 4 31.4	2.670	3.490	11.0	20.5

488886 2005 SF_{240} 3 23.6 293°.34 3°.9/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.20	−10 49.7	1.283	2.129	17.8	21.1
3 2	12 30.46	−10 57.3	1.196	2.111	13.8	20.8
3 12	12 22.78	−10 41.5	1.130	2.093	9.1	20.5
3 22	12 13.03	−10 3.0	1.086	2.075	4.6	20.2
4 1	12 2.55	− 9 7.0	1.068	2.058	5.2	20.1
4 11	11 53.00	− 8 3.0	1.073	2.040	10.2	20.4
4 21	11 45.73	− 7 1.3	1.101	2.023	15.4	20.6
5 1	11 41.67	− 6 11.2	1.148	2.006	20.1	20.8

23458 1989 RY_{1} 3 23.6 265°.14 3°.0/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.29	+ 4 18.3	2.230	3.096	10.4	18.7
3 2	12 26.55	+ 5 44.3	2.138	3.072	7.4	18.4
3 12	12 20.13	+ 7 18.2	2.072	3.048	4.3	18.2
3 22	12 12.62	+ 8 53.2	2.036	3.023	3.2	18.1
4 1	12 4.79	+10 21.6	2.030	2.998	5.8	18.2
4 11	11 57.48	+11 36.5	2.052	2.973	9.2	18.3
4 21	11 51.44	+12 33.2	2.099	2.946	12.5	18.5
5 1	11 47.22	+13 9.5	2.167	2.920	15.3	18.7

357504 2004 PL_{98} 3 23.6 223°.58 0°.6/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 38.67	− 4 27.4	1.802	2.644	13.6	21.6
3 2	12 32.12	− 4 12.9	1.714	2.634	10.0	21.3
3 12	12 23.33	− 3 45.4	1.651	2.623	5.7	21.0
3 22	12 13.07	− 3 8.6	1.616	2.611	1.2	20.7
4 1	12 2.42	− 2 27.8	1.609	2.599	3.9	20.9
4 11	11 52.57	− 1 49.2	1.631	2.586	8.5	21.1
4 21	11 44.49	− 1 18.5	1.678	2.572	12.7	21.3
5 1	11 38.86	− 0 59.9	1.747	2.557	16.3	21.5

243076 2007 HC_{49} 3 23.6 277°.03 4°.8/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.66	+ 7 16.2	1.401	2.281	14.5	20.8
3 2	12 31.16	+ 8 18.2	1.325	2.264	10.5	20.6
3 12	12 22.99	+ 9 25.5	1.272	2.247	6.4	20.3
3 22	12 13.04	+10 28.7	1.245	2.230	5.0	20.1
4 1	12 2.62	+11 17.8	1.243	2.213	8.3	20.3
4 11	11 53.20	+11 45.0	1.266	2.196	12.9	20.5
4 21	11 45.95	+11 47.1	1.311	2.179	17.2	20.7
5 1	11 41.63	+11 24.2	1.372	2.161	21.0	20.9

433995 2000 RK_{106} 3 23.6 270°.42 0°.8/22.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.38	+ 0 24.3	2.510	3.358	10.1	21.6
3 2	12 28.60	+ 0 42.6	2.408	3.333	7.2	21.3
3 12	12 21.22	+ 1 7.1	2.332	3.307	3.9	21.1
3 22	12 12.78	+ 1 34.6	2.286	3.281	0.9	20.8
4 1	12 4.01	+ 2 1.0	2.270	3.255	3.5	21.0
4 11	11 55.72	+ 2 22.4	2.284	3.229	7.0	21.2
4 21	11 48.59	+ 2 35.4	2.324	3.202	10.3	21.3
5 1	11 43.17	+ 2 37.9	2.388	3.174	13.1	21.5

57861 2001 XL_{221} 3 23.6 22°.76 0°.9/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.17	− 0 36.2	1.945	2.806	11.9	19.5
3 2	12 26.44	− 0 3.0	1.879	2.810	8.4	19.3
3 12	12 20.02	+ 0 39.0	1.838	2.815	4.6	19.1
3 22	12 12.61	+ 1 24.7	1.824	2.820	0.9	18.8
4 1	12 5.09	+ 2 8.4	1.839	2.826	4.0	19.0
4 11	11 58.35	+ 2 44.7	1.881	2.831	7.9	19.3
4 21	11 53.10	+ 3 9.6	1.948	2.837	11.4	19.5
5 1	11 49.82	+ 3 20.6	2.036	2.844	14.4	19.7

174523 2003 DE_{17} 3 23.6 312°.30 1°.8/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.52	− 7 59.1	2.199	3.030	11.9	20.0
3 2	12 27.35	− 7 57.5	2.115	3.025	8.9	19.8
3 12	12 20.54	− 7 43.4	2.056	3.020	5.5	19.6
3 22	12 12.69	− 7 18.9	2.024	3.016	2.3	19.4
4 1	12 4.62	− 6 47.8	2.022	3.012	3.2	19.4
4 11	11 57.19	− 6 14.8	2.047	3.007	6.6	19.6
4 21	11 51.12	− 5 44.6	2.099	3.003	10.0	19.8
5 1	11 46.91	− 5 21.4	2.174	2.999	13.0	20.0

196610 2003 QK_{79} 3 23.6 123°.36 2°.4/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.01	−10 5.9	2.264	3.081	12.1	20.6
3 2	12 28.99	−10 5.0	2.192	3.093	9.1	20.5
3 12	12 21.36	− 9 50.4	2.146	3.104	5.8	20.3
3 22	12 12.80	− 9 24.2	2.127	3.115	2.9	20.1
4 1	12 4.13	− 8 50.0	2.138	3.126	3.3	20.1
4 11	11 56.19	− 8 12.7	2.178	3.137	6.4	20.4
4 21	11 49.68	− 7 37.1	2.245	3.147	9.6	20.6
5 1	11 45.05	− 7 7.5	2.335	3.157	12.3	20.8

129667 1998 QY_{104} 3 23.6 253°.18 2°.1/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.78	+ 4 19.0	2.251	3.109	10.7	19.7
3 2	12 29.68	+ 4 45.2	2.162	3.092	7.6	19.5
3 12	12 21.84	+ 5 15.3	2.100	3.076	4.3	19.2
3 22	12 12.88	+ 5 45.0	2.066	3.058	2.2	19.1
4 1	12 3.64	+ 6 9.4	2.063	3.041	4.7	19.2
4 11	11 55.01	+ 6 24.2	2.088	3.023	8.2	19.4
4 21	11 47.75	+ 6 27.0	2.138	3.005	11.5	19.5
5 1	11 42.43	+ 6 16.3	2.211	2.986	14.4	19.7

217936 2001 TJ_{96} 3 23.6 132°.47 1°.2/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.87	− 7 6.1	1.932	2.770	13.0	20.6
3 2	12 28.39	− 6 36.2	1.862	2.778	9.5	20.4
3 12	12 21.11	− 5 51.6	1.817	2.785	5.6	20.2
3 22	12 12.77	− 4 56.4	1.798	2.793	1.7	19.9
4 1	12 4.30	− 3 56.5	1.809	2.800	3.4	20.1
4 11	11 56.66	− 2 58.6	1.848	2.806	7.4	20.3
4 21	11 50.61	− 2 8.5	1.913	2.813	11.1	20.5
5 1	11 46.65	− 1 30.4	2.000	2.819	14.2	20.8

246316 2007 TP_{167} 3 23.6 70°.80 1°.4/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.62	− 6 52.2	1.426	2.278	16.0	20.2
3 2	12 30.02	− 6 27.5	1.371	2.294	11.7	20.0
3 12	12 22.13	− 5 44.9	1.338	2.309	6.8	19.8
3 22	12 12.92	− 4 49.4	1.330	2.325	2.0	19.5
4 1	12 3.66	− 3 48.8	1.349	2.340	4.1	19.7
4 11	11 55.61	− 2 51.6	1.394	2.356	8.9	20.0
4 21	11 49.67	− 2 4.9	1.463	2.372	13.2	20.3
5 1	11 46.39	− 1 33.3	1.552	2.387	16.9	20.5

457507 2008 VS_{51} 3 23.6 209°.11 1°.5/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.14	− 7 21.3	1.716	2.554	14.4	22.2
3 2	12 31.08	− 6 57.8	1.633	2.549	10.7	22.0
3 12	12 22.78	− 6 17.4	1.574	2.543	6.4	21.7
3 22	12 13.04	− 5 23.7	1.542	2.536	2.0	21.4
4 1	12 2.95	− 4 22.9	1.538	2.529	3.8	21.5
4 11	11 53.73	− 3 22.8	1.562	2.521	8.4	21.8
4 21	11 46.34	− 2 30.3	1.611	2.512	12.7	22.0
5 1	11 41.43	− 1 50.8	1.682	2.502	16.4	22.2

188292 2003 BP_{71} 3 23.6 14°.58 4°.3/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.35	+ 4 10.0	1.474	2.359	13.6	19.2
3 2	12 25.58	+ 6 5.7	1.417	2.361	9.5	19.0
3 12	12 19.72	+ 8 10.5	1.385	2.363	5.6	18.7
3 22	12 12.60	+10 12.8	1.380	2.366	4.6	18.7
4 1	12 5.34	+12 0.5	1.401	2.369	7.9	18.9
4 11	11 59.05	+13 24.2	1.448	2.372	12.0	19.1
4 21	11 54.61	+14 19.2	1.516	2.376	15.7	19.3
5 1	11 52.54	+14 45.1	1.602	2.381	18.8	19.6

105636 2000 ST_{13} 3 23.6 103°.86 1°.9/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.01	+ 3 49.2	2.367	3.227	10.1	19.9
3 2	12 27.47	+ 4 18.8	2.303	3.234	7.1	19.7
3 12	12 20.49	+ 4 52.1	2.266	3.242	3.9	19.5
3 22	12 12.70	+ 5 24.7	2.257	3.249	1.9	19.4
4 1	12 4.84	+ 5 52.2	2.278	3.257	4.2	19.5
4 11	11 57.68	+ 6 10.8	2.327	3.264	7.4	19.7
4 21	11 51.81	+ 6 18.3	2.402	3.271	10.3	19.9
5 1	11 47.67	+ 6 13.6	2.500	3.278	12.8	20.1

305666 2009 BY_{80} 3 23.6 45°.14 8°.1/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 53.04	−12 34.2	1.138	1.960	21.2	19.3
3 2	12 43.14	−14 52.3	1.091	1.984	16.8	19.1
3 12	12 29.63	−16 48.2	1.065	2.010	12.1	18.9
3 22	12 13.98	−18 14.8	1.064	2.036	8.6	18.8
4 1	11 58.25	−19 9.4	1.089	2.063	8.7	18.9
4 11	11 44.53	−19 36.9	1.140	2.090	11.9	19.1
4 21	11 34.22	−19 46.1	1.214	2.118	15.7	19.4
5 1	11 27.98	−19 47.5	1.306	2.146	19.2	19.7

348786 2006 OG_{20} 3 23.6 226°.36 4°.3/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.90	+12 34.5	2.746	3.611	8.7	22.1
3 2	12 26.65	+13 40.2	2.672	3.599	6.5	21.9
3 12	12 20.06	+14 44.8	2.625	3.587	4.6	21.8
3 22	12 12.65	+15 42.8	2.607	3.574	4.5	21.7
4 1	12 5.08	+16 29.3	2.620	3.561	6.3	21.8
4 11	11 58.04	+17 0.6	2.659	3.548	8.7	22.0
4 21	11 52.09	+17 15.1	2.724	3.533	11.0	22.1
5 1	11 47.68	+17 12.8	2.809	3.519	13.1	22.2

178753 2000 VN_{5} 3 23.6 133°.21 1°.7/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.88	+ 1 10.0	1.729	2.588	13.3	20.8
3 2	12 31.34	+ 1 47.6	1.669	2.599	9.4	20.6
3 12	12 22.77	+ 2 33.0	1.633	2.610	5.1	20.4
3 22	12 13.02	+ 3 20.3	1.626	2.620	1.7	20.2
4 1	12 3.21	+ 4 2.8	1.647	2.630	4.9	20.4
4 11	11 54.44	+ 4 34.8	1.695	2.639	9.1	20.7
4 21	11 47.54	+ 4 52.5	1.768	2.648	12.9	20.9
5 1	11 43.02	+ 4 54.5	1.862	2.656	16.0	21.1

490860 2011 AP_{48} 3 23.6 35°.12 2°.0/25.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.92	− 8 2.5	1.620	2.464	14.8	21.3
3 2	12 28.75	− 7 53.2	1.551	2.468	11.0	21.1
3 12	12 21.45	− 7 26.9	1.505	2.472	6.7	20.9
3 22	12 12.85	− 6 47.0	1.484	2.477	2.6	20.6
4 1	12 4.06	− 5 59.1	1.490	2.481	3.8	20.7
4 11	11 56.22	− 5 10.6	1.523	2.486	8.2	21.0
4 21	11 50.22	− 4 28.2	1.581	2.491	12.3	21.2
5 1	11 46.65	− 3 56.9	1.659	2.497	15.8	21.4

293621 2007 MA 3 23.6 216°.54 2°.8/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.59	−10 21.5	1.852	2.674	14.2	21.5
3 2	12 31.34	−10 16.9	1.763	2.666	10.8	21.2
3 12	12 22.92	− 9 55.0	1.698	2.658	6.9	21.0
3 22	12 13.07	− 9 17.5	1.660	2.649	3.3	20.7
4 1	12 2.85	− 8 29.0	1.650	2.639	4.0	20.8
4 11	11 53.39	− 7 36.1	1.668	2.628	7.9	21.0
4 21	11 45.65	− 6 45.6	1.713	2.617	11.9	21.2
5 1	11 40.30	− 6 3.5	1.779	2.605	15.4	21.4

221292 2005 UK_{449} 3 23.6 146°.42 0°.1/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.92	− 3 6.9	2.220	3.061	11.5	20.8
3 2	12 29.63	− 2 46.0	2.151	3.071	8.2	20.6
3 12	12 21.73	− 2 16.0	2.107	3.080	4.6	20.4
3 22	12 12.89	− 1 40.3	2.092	3.088	0.7	20.1
4 1	12 3.95	− 1 3.5	2.108	3.096	3.3	20.3
4 11	11 55.78	− 0 30.5	2.152	3.104	7.0	20.5
4 21	11 49.05	− 0 5.2	2.224	3.111	10.3	20.8
5 1	11 44.24	+ 0 9.9	2.318	3.117	13.1	21.0

40002 1998 HS_{89} 3 23.6 203°.52 0°.1/23.6 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.75	− 4 25.5	2.026	2.874	12.1	19.8
3 2	12 26.88	− 3 36.5	1.948	2.872	8.7	19.5
3 12	12 20.31	− 2 34.6	1.896	2.870	4.8	19.3
3 22	12 12.70	− 1 24.6	1.872	2.868	0.7	19.0
4 1	12 4.91	− 0 13.0	1.877	2.866	3.6	19.2
4 11	11 57.83	+ 0 53.2	1.910	2.863	7.6	19.4
4 21	11 52.18	+ 1 48.6	1.968	2.860	11.2	19.6
5 1	11 48.50	+ 2 29.3	2.049	2.857	14.3	19.8

284356 2006 SU_{67} 3 23.6 190°.04 0°.7/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.32	− 5 46.3	2.607	3.441	10.2	21.9
3 2	12 26.26	− 5 18.7	2.525	3.440	7.4	21.7
3 12	12 19.85	− 4 40.8	2.469	3.439	4.3	21.5
3 22	12 12.64	− 3 55.7	2.442	3.437	1.1	21.3
4 1	12 5.28	− 3 7.6	2.445	3.435	2.7	21.4
4 11	11 58.47	− 2 21.0	2.478	3.433	6.0	21.6
4 21	11 52.78	− 1 40.1	2.537	3.430	9.0	21.8
5 1	11 48.66	− 1 8.1	2.621	3.428	11.6	22.0

233384 2006 EG_{5} 3 23.6 209°.07 1°.8/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.53	+ 1 47.3	2.236	3.094	10.7	21.1
3 2	12 27.30	+ 2 38.4	2.159	3.090	7.5	20.9
3 12	12 20.50	+ 3 36.3	2.109	3.085	4.1	20.6
3 22	12 12.73	+ 4 35.9	2.087	3.080	1.8	20.5
4 1	12 4.79	+ 5 31.3	2.095	3.075	4.4	20.6
4 11	11 57.50	+ 6 17.2	2.131	3.069	7.9	20.8
4 21	11 51.54	+ 6 49.8	2.193	3.063	11.1	21.0
5 1	11 47.39	+ 7 7.3	2.277	3.057	13.9	21.2

426566 2013 RL_{97} 3 23.6 140°.02 2°.6/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.20	+ 6 20.5	2.281	3.138	10.6	21.7
3 2	12 30.46	+ 6 47.8	2.219	3.148	7.5	21.6
3 12	12 22.14	+ 7 16.7	2.184	3.158	4.3	21.4
3 22	12 12.95	+ 7 42.4	2.178	3.167	2.7	21.3
4 1	12 3.72	+ 8 0.8	2.203	3.176	4.9	21.4
4 11	11 55.30	+ 8 8.4	2.256	3.184	8.1	21.6
4 21	11 48.33	+ 8 3.5	2.335	3.192	11.0	21.8
5 1	11 43.29	+ 7 46.0	2.437	3.200	13.5	22.0

388027 2005 SF_{69} 3 23.6 218°.56 0°.1/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.96	− 1 40.8	2.783	3.622	9.4	21.2
3 2	12 28.08	− 1 33.4	2.696	3.616	6.8	21.1
3 12	12 20.85	− 1 19.7	2.636	3.609	3.7	20.8
3 22	12 12.78	− 1 2.4	2.606	3.602	0.5	20.6
4 1	12 4.55	− 0 44.4	2.607	3.595	2.8	20.8
4 11	11 56.83	− 0 29.2	2.637	3.587	6.0	20.9
4 21	11 50.20	− 0 19.4	2.696	3.579	8.8	21.1
5 1	11 45.11	− 0 17.2	2.778	3.571	11.3	21.3

458144 2010 HQ_{95} 3 23.6 253°.47 1°.7/21.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.52	+ 1 44.4	2.819	3.674	8.8	22.3
3 2	12 24.98	+ 2 50.3	2.725	3.655	6.2	22.1
3 12	12 19.17	+ 4 3.1	2.659	3.635	3.4	21.9
3 22	12 12.55	+ 5 18.2	2.623	3.615	1.7	21.7
4 1	12 5.73	+ 6 30.3	2.617	3.594	3.9	21.8
4 11	11 59.33	+ 7 34.3	2.642	3.573	6.9	22.0
4 21	11 53.90	+ 8 26.5	2.693	3.552	9.7	22.1
5 1	11 49.89	+ 9 4.6	2.767	3.530	12.1	22.3

32996 1997 CV 3 23.6 355°.53 4°.0/19.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.70	+ 5 3.8	1.677	2.557	12.5	18.4
3 2	12 25.67	+ 6 43.2	1.615	2.556	8.8	18.2
3 12	12 19.72	+ 8 29.6	1.578	2.555	5.2	18.0
3 22	12 12.63	+10 13.5	1.569	2.554	4.3	17.9
4 1	12 5.37	+11 44.8	1.587	2.554	7.2	18.1
4 11	11 58.97	+12 55.8	1.630	2.553	11.0	18.3
4 21	11 54.22	+13 42.3	1.697	2.554	14.5	18.5
5 1	11 51.65	+14 3.5	1.782	2.554	17.5	18.7

217930 2001 TG_{23} 3 23.6 150°.38 2°.6/26.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.75	−12 3.0	2.102	2.917	13.0	21.3
3 2	12 28.24	−11 37.8	2.026	2.924	9.9	21.1
3 12	12 21.03	−10 55.1	1.975	2.931	6.4	20.9
3 22	12 12.81	− 9 57.9	1.951	2.938	3.2	20.7
4 1	12 4.45	− 8 51.0	1.955	2.944	3.5	20.7
4 11	11 56.85	− 7 41.3	1.989	2.950	6.8	20.9
4 21	11 50.72	− 6 35.3	2.049	2.955	10.2	21.2
5 1	11 46.58	− 5 38.3	2.133	2.959	13.2	21.4

192441 1997 WH_{1} 3 23.6 196°.14 2°.2/25.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.35	−10 3.6	1.985	2.806	13.4	20.5
3 2	12 30.28	− 9 39.1	1.900	2.804	10.1	20.3
3 12	12 22.25	− 8 57.3	1.839	2.800	6.3	20.0
3 22	12 13.00	− 8 1.2	1.805	2.796	2.7	19.8
4 1	12 3.48	− 6 56.1	1.801	2.790	3.5	19.8
4 11	11 54.72	− 5 49.0	1.825	2.784	7.4	20.1
4 21	11 47.55	− 4 46.8	1.877	2.777	11.2	20.3
5 1	11 42.57	− 3 54.9	1.950	2.769	14.5	20.5

275434 2011 CZ_{29} 3 23.6 277°.28 0°.6/24.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.92	− 5 50.2	1.805	2.654	13.3	21.0
3 2	12 27.22	− 5 10.0	1.726	2.648	9.7	20.7
3 12	12 20.60	− 4 14.3	1.670	2.643	5.6	20.5
3 22	12 12.78	− 3 7.8	1.642	2.637	1.2	20.2
4 1	12 4.70	− 1 57.2	1.641	2.632	3.7	20.3
4 11	11 57.40	− 0 50.3	1.668	2.626	8.1	20.6
4 21	11 51.70	+ 0 6.3	1.720	2.621	12.1	20.8
5 1	11 48.17	+ 0 48.1	1.794	2.615	15.5	21.0

277271 2005 SL_{58} 3 23.6 177°.68 1°.1/24.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.58	− 7 2.3	2.314	3.142	11.5	22.2
3 2	12 28.72	− 6 37.4	2.234	3.144	8.4	22.0
3 12	12 21.27	− 6 0.1	2.179	3.146	5.0	21.8
3 22	12 12.86	− 5 13.7	2.153	3.147	1.6	21.6
4 1	12 4.29	− 4 22.6	2.157	3.147	3.0	21.7
4 11	11 56.38	− 3 32.2	2.191	3.147	6.6	21.9
4 21	11 49.82	− 2 47.5	2.252	3.146	9.9	22.1
5 1	11 45.09	− 2 12.3	2.336	3.144	12.7	22.3

169937 2002 TE_{28} 3 23.6 118°.96 2°.7/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.74	+ 6 50.8	2.553	3.413	9.5	20.6
3 2	12 27.86	+ 7 34.3	2.500	3.430	6.7	20.5
3 12	12 20.66	+ 8 19.1	2.474	3.447	3.9	20.3
3 22	12 12.77	+ 9 0.4	2.477	3.463	2.8	20.3
4 1	12 4.87	+ 9 33.8	2.511	3.479	4.8	20.4
4 11	11 57.68	+ 9 56.0	2.573	3.494	7.5	20.6
4 21	11 51.73	+10 5.4	2.661	3.509	10.1	20.8
5 1	11 47.42	+10 1.4	2.771	3.524	12.3	21.0

361158 2006 JN_{49} 3 23.6 176°.59 6°.4/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 40.40	+15 25.9	1.881	2.744	12.2	20.7
3 2	12 33.10	+16 21.2	1.823	2.746	9.2	20.5
3 12	12 23.74	+17 10.7	1.791	2.748	6.9	20.4
3 22	12 13.21	+17 46.7	1.786	2.749	6.6	20.4
4 1	12 2.60	+18 3.4	1.810	2.750	8.7	20.5
4 11	11 53.04	+17 57.6	1.859	2.750	11.7	20.7
4 21	11 45.36	+17 29.9	1.932	2.749	14.6	20.8
5 1	11 40.09	+16 42.7	2.024	2.747	17.1	21.0

232360 2002 XB_{67} 3 23.6 75°.00 7°.9/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.93	+22 7.7	2.160	3.023	10.8	19.8
3 2	12 27.49	+23 45.2	2.137	3.047	8.9	19.7
3 12	12 20.52	+25 10.9	2.141	3.070	7.9	19.6
3 22	12 12.75	+26 17.4	2.172	3.093	8.4	19.7
4 1	12 5.06	+26 59.7	2.228	3.116	10.0	19.9
4 11	11 58.28	+27 16.1	2.309	3.138	12.0	20.0
4 21	11 53.04	+27 7.9	2.410	3.161	13.9	20.2
5 1	11 49.71	+26 38.1	2.528	3.183	15.5	20.4

263968 2009 JF_{12} 3 23.6 67°.33 3°.0/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.97	+ 6 14.5	2.269	3.137	10.2	20.6
3 2	12 26.09	+ 7 7.0	2.210	3.145	7.2	20.4
3 12	12 19.78	+ 8 2.0	2.178	3.152	4.2	20.3
3 22	12 12.66	+ 8 53.9	2.174	3.160	3.0	20.2
4 1	12 5.47	+ 9 37.4	2.199	3.168	5.2	20.3
4 11	11 58.99	+10 8.2	2.251	3.177	8.3	20.5
4 21	11 53.81	+10 24.2	2.329	3.185	11.1	20.7
5 1	11 50.35	+10 24.5	2.427	3.193	13.5	20.9

402892 2007 SG_{3} 3 23.6 242°.78 0°.1/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.23	− 5 5.0	1.707	2.557	13.9	21.6
3 2	12 29.06	− 4 11.9	1.620	2.544	10.1	21.3
3 12	12 21.72	− 3 1.6	1.557	2.531	5.7	21.0
3 22	12 12.96	− 1 39.5	1.521	2.517	0.8	20.7
4 1	12 3.81	− 0 13.7	1.514	2.503	4.2	20.9
4 11	11 55.44	+ 1 6.7	1.533	2.488	9.0	21.1
4 21	11 48.80	+ 2 14.1	1.578	2.472	13.3	21.3
5 1	11 44.55	+ 3 3.3	1.643	2.456	17.0	21.5

196559 2003 QG_{13} 3 23.6 218°.13 1°.1/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.55	+ 0 5.0	2.167	3.022	11.2	20.4
3 2	12 28.10	+ 0 38.5	2.089	3.017	7.9	20.2
3 12	12 20.98	+ 1 19.8	2.036	3.012	4.3	19.9
3 22	12 12.84	+ 2 4.4	2.012	3.007	1.1	19.7
4 1	12 4.51	+ 2 46.9	2.017	3.002	3.9	19.9
4 11	11 56.86	+ 3 22.4	2.050	2.996	7.7	20.1
4 21	11 50.59	+ 3 47.0	2.109	2.990	11.1	20.3
5 1	11 46.22	+ 3 58.5	2.190	2.983	14.0	20.5

310885 2003 QX_{15} 3 23.6 180°.84 3°.3/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.31	−13 5.5	1.889	2.702	14.3	21.1
3 2	12 29.61	−12 48.1	1.808	2.703	11.0	20.9
3 12	12 21.91	−12 10.6	1.750	2.704	7.3	20.7
3 22	12 12.98	−11 15.4	1.719	2.704	4.0	20.5
4 1	12 3.81	−10 7.5	1.716	2.704	4.1	20.5
4 11	11 55.45	− 8 54.4	1.742	2.703	7.5	20.7
4 21	11 48.76	− 7 43.8	1.793	2.701	11.2	20.9
5 1	11 44.32	− 6 42.4	1.867	2.699	14.6	21.1

473878 2016 EY_{139} 3 23.6 55°.57 0°.2/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.32	− 2 49.1	1.451	2.314	15.2	21.1
3 2	12 29.77	− 2 21.9	1.399	2.330	10.8	20.8
3 12	12 22.00	− 1 41.6	1.370	2.346	5.9	20.6
3 22	12 12.99	− 0 54.3	1.366	2.363	0.8	20.3
4 1	12 3.96	− 0 7.1	1.390	2.379	4.4	20.6
4 11	11 56.12	+ 0 32.6	1.440	2.397	9.2	20.9
4 21	11 50.35	+ 0 59.6	1.513	2.414	13.3	21.2
5 1	11 47.14	+ 1 11.1	1.606	2.431	16.8	21.5

417551 2006 UF_{60} 3 23.6 261°.46 3°.8/27.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.30	−13 29.9	1.796	2.612	14.8	21.7
3 2	12 29.15	−13 22.2	1.700	2.596	11.6	21.4
3 12	12 21.82	−12 53.2	1.626	2.579	7.9	21.2
3 22	12 12.99	−12 4.3	1.578	2.562	4.5	20.9
4 1	12 3.71	−10 59.7	1.558	2.545	4.5	20.9
4 11	11 55.11	− 9 46.9	1.564	2.527	8.1	21.0
4 21	11 48.18	− 8 34.3	1.596	2.508	12.1	21.2
5 1	11 43.64	− 7 29.7	1.650	2.490	15.8	21.4

278820 2008 SL_{261} 3 23.6 250°.53 0°.8/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.51	− 1 54.9	1.988	2.845	11.9	21.0
3 2	12 26.76	− 1 5.3	1.912	2.842	8.5	20.8
3 12	12 20.29	− 0 4.9	1.862	2.838	4.6	20.5
3 22	12 12.76	+ 1 1.3	1.839	2.835	0.8	20.2
4 1	12 5.04	+ 2 6.5	1.845	2.831	4.0	20.5
4 11	11 58.04	+ 3 4.2	1.878	2.828	8.0	20.7
4 21	11 52.49	+ 3 49.3	1.937	2.824	11.6	20.9
5 1	11 48.92	+ 4 18.9	2.018	2.820	14.7	21.1

499989 2011 OM_{10} 3 23.6 167°.62 4°.2/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.88	−20 1.0	3.206	3.956	10.4	22.5
3 2	12 27.24	−20 10.6	3.116	3.961	8.5	22.3
3 12	12 20.37	−20 5.6	3.052	3.965	6.4	22.2
3 22	12 12.77	−19 46.3	3.015	3.969	4.7	22.1
4 1	12 5.01	−19 14.4	3.007	3.972	4.3	22.1
4 11	11 57.73	−18 33.3	3.029	3.975	5.5	22.1
4 21	11 51.45	−17 47.1	3.079	3.978	7.4	22.3
5 1	11 46.57	−17 0.2	3.155	3.979	9.4	22.4

74977 1999 TC_{233} 3 23.6 121°.58 8°.2/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.76	+17 16.9	1.648	2.525	12.9	18.8
3 2	12 29.29	+19 7.6	1.606	2.532	10.0	18.6
3 12	12 21.72	+20 50.5	1.589	2.539	8.3	18.5
3 22	12 12.96	+22 15.0	1.598	2.545	8.8	18.5
4 1	12 4.14	+23 12.6	1.633	2.552	11.0	18.7
4 11	11 56.42	+23 39.4	1.691	2.558	13.9	18.9
4 21	11 50.61	+23 36.1	1.769	2.563	16.6	19.1
5 1	11 47.23	+23 6.1	1.864	2.569	18.9	19.3

189464 1999 RT_{167} 3 23.6 200°.36 1°.8/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.84	+ 1 15.1	2.250	3.108	10.6	20.4
3 2	12 26.82	+ 2 20.4	2.174	3.105	7.5	20.2
3 12	12 20.26	+ 3 33.6	2.125	3.102	4.1	20.0
3 22	12 12.76	+ 4 48.9	2.105	3.098	1.8	19.8
4 1	12 5.10	+ 5 59.8	2.115	3.094	4.5	20.0
4 11	11 58.08	+ 7 0.5	2.153	3.089	8.0	20.2
4 21	11 52.36	+ 7 46.8	2.217	3.084	11.2	20.4
5 1	11 48.42	+ 8 16.5	2.303	3.079	13.9	20.5

377383 2004 RB_{218} 3 23.6 185°.73 5°.4/30.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.31	−21 8.5	2.331	3.093	13.5	21.0
3 2	12 27.96	−21 8.1	2.242	3.093	11.1	20.8
3 12	12 20.94	−20 46.5	2.175	3.092	8.5	20.6
3 22	12 12.87	−20 4.0	2.134	3.091	6.2	20.5
4 1	12 4.57	−19 3.4	2.121	3.090	5.5	20.4
4 11	11 56.92	−17 50.3	2.136	3.088	7.0	20.5
4 21	11 50.65	−16 31.6	2.179	3.086	9.6	20.7
5 1	11 46.28	−15 14.4	2.245	3.083	12.2	20.8

168452 1999 CC_{117} 3 23.6 343°.10 1°.0/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 28.63	− 1 53.3	1.652	2.521	13.3	19.3
3 2	12 25.02	− 0 59.6	1.577	2.512	9.4	19.0
3 12	12 19.45	+ 0 7.5	1.525	2.503	5.1	18.7
3 22	12 12.67	+ 1 21.7	1.500	2.495	1.1	18.4
4 1	12 5.63	+ 2 34.9	1.501	2.488	4.6	18.7
4 11	11 59.38	+ 3 38.8	1.529	2.482	9.1	18.9
4 21	11 54.76	+ 4 27.3	1.580	2.476	13.2	19.1
5 1	11 52.35	+ 4 56.8	1.651	2.471	16.7	19.3

124325 2001 QR_{97} 3 23.6 197°.56 2°.3/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.59	− 9 30.2	1.797	2.624	14.3	20.3
3 2	12 31.35	− 9 17.0	1.714	2.622	10.8	20.0
3 12	12 22.95	− 8 46.3	1.655	2.618	6.8	19.8
3 22	12 13.16	− 8 0.8	1.623	2.614	2.9	19.5
4 1	12 3.06	− 7 5.6	1.620	2.609	3.8	19.6
4 11	11 53.80	− 6 7.9	1.644	2.604	8.0	19.8
4 21	11 46.32	− 5 14.8	1.694	2.598	12.0	20.0
5 1	11 41.26	− 4 32.0	1.766	2.591	15.6	20.3

341340 2007 TZ_{40} 3 23.6 104°.31 3°.2/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.00	+ 7 45.8	2.305	3.169	10.2	20.7
3 2	12 28.20	+ 8 25.8	2.250	3.182	7.2	20.5
3 12	12 20.93	+ 9 6.4	2.221	3.194	4.3	20.3
3 22	12 12.86	+ 9 42.7	2.221	3.206	3.2	20.3
4 1	12 4.77	+10 9.9	2.251	3.218	5.3	20.4
4 11	11 57.44	+10 24.7	2.308	3.230	8.3	20.6
4 21	11 51.48	+10 25.4	2.390	3.241	11.0	20.8
5 1	11 47.31	+10 12.0	2.494	3.252	13.4	21.0

113141 2002 RZ_{89} 3 23.6 162°.36 0°.4/24.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.01	− 4 48.6	2.188	3.031	11.5	20.2
3 2	12 26.97	− 4 17.7	2.112	3.033	8.3	20.0
3 12	12 20.35	− 3 35.5	2.062	3.034	4.7	19.8
3 22	12 12.79	− 2 45.7	2.040	3.035	0.9	19.5
4 1	12 5.07	− 1 53.6	2.047	3.036	3.2	19.7
4 11	11 58.03	− 1 4.6	2.082	3.037	6.9	19.9
4 21	11 52.34	− 0 23.6	2.144	3.038	10.3	20.1
5 1	11 48.48	+ 0 6.1	2.228	3.039	13.2	20.3

436291 2010 DL_{31} 3 23.6 343°.32 4°.8/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 27.97	+ 7 29.5	1.751	2.635	11.8	20.1
3 2	12 24.44	+ 9 18.0	1.687	2.628	8.5	19.9
3 12	12 19.09	+11 11.6	1.648	2.622	5.5	19.7
3 22	12 12.62	+13 0.3	1.637	2.616	5.2	19.7
4 1	12 5.96	+14 34.4	1.654	2.611	7.9	19.8
4 11	12 0.07	+15 46.2	1.696	2.606	11.4	20.0
4 21	11 55.72	+16 32.1	1.760	2.602	14.7	20.2
5 1	11 53.46	+16 51.6	1.842	2.599	17.5	20.4

173818 2001 SR_{315} 3 23.6 80°.11 2°.2/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.09	− 9 3.3	2.321	3.139	11.8	19.5
3 2	12 29.68	− 9 13.3	2.260	3.161	8.8	19.4
3 12	12 21.75	− 9 11.0	2.224	3.184	5.6	19.2
3 22	12 12.98	− 8 58.4	2.217	3.206	2.6	19.0
4 1	12 4.19	− 8 38.7	2.240	3.228	3.2	19.1
4 11	11 56.18	− 8 16.0	2.292	3.250	6.2	19.3
4 21	11 49.59	− 7 54.4	2.371	3.272	9.2	19.6
5 1	11 44.86	− 7 37.6	2.474	3.293	11.8	19.8

124328 2001 QR_{98} 3 23.6 206°.65 0°.6/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.91	− 6 9.5	2.392	3.223	11.1	21.4
3 2	12 28.28	− 5 30.3	2.303	3.216	8.1	21.2
3 12	12 21.08	− 4 38.7	2.240	3.209	4.7	21.0
3 22	12 12.91	− 3 38.4	2.206	3.201	1.1	20.7
4 1	12 4.51	− 2 34.3	2.202	3.192	3.0	20.8
4 11	11 56.70	− 1 32.3	2.228	3.182	6.6	21.1
4 21	11 50.16	− 0 37.5	2.282	3.171	10.0	21.2
5 1	11 45.38	+ 0 6.3	2.359	3.160	12.8	21.4

161865 2007 BX_{59} 3 23.6 43°.46 9°.2/ 1.1 18

2 21	12 34.86	−25 19.4	1.618	2.379	18.5	19.6
3 2	12 29.71	−26 7.0	1.549	2.388	15.8	19.4
3 12	12 22.15	−26 24.6	1.498	2.397	12.8	19.2
3 22	12 13.07	−26 10.0	1.470	2.407	10.3	19.1
4 1	12 3.71	−25 24.7	1.465	2.418	9.2	19.1
4 11	11 55.37	−24 15.7	1.485	2.428	10.2	19.1
4 21	11 49.08	−22 53.0	1.529	2.439	12.6	19.3
5 1	11 45.51	−21 27.4	1.594	2.450	15.4	19.5

370075 2001 RZ_{94} 3 23.6 211°.81 1°.6/25.2 17

2 21	12 35.31	− 7 54.7	2.194	3.020	12.1	21.9
3 2	12 29.43	− 7 39.3	2.105	3.014	9.0	21.7
3 12	12 21.78	− 7 10.5	2.042	3.006	5.5	21.5
3 22	12 13.02	− 6 30.8	2.006	2.999	2.0	21.2
4 1	12 3.99	− 5 44.6	2.000	2.990	3.2	21.3
4 11	11 55.60	− 4 57.4	2.023	2.981	6.9	21.5
4 21	11 48.62	− 4 14.5	2.073	2.971	10.4	21.7
5 1	11 43.61	− 3 40.4	2.146	2.961	13.5	21.9

345629 2006 SV_{300} 3 23.6 127°.12 0°.5/24.2 17

2 21	12 32.01	− 4 46.1	2.596	3.432	10.2	21.0
3 2	12 26.72	− 4 23.2	2.525	3.442	7.3	20.8
3 12	12 20.12	− 3 51.1	2.481	3.451	4.2	20.6
3 22	12 12.77	− 3 13.1	2.465	3.461	0.9	20.4
4 1	12 5.34	− 2 32.9	2.480	3.470	2.7	20.6
4 11	11 58.51	− 1 55.0	2.524	3.479	5.9	20.8
4 21	11 52.85	− 1 22.9	2.596	3.487	8.8	21.0
5 1	11 48.75	− 0 59.6	2.691	3.496	11.3	21.2

114725 Gordonwalker 3 23.6 219°.85 5°.9/14.8 18

2 21	12 29.80	+16 14.5	2.489	3.360	9.3	19.4
3 2	12 25.31	+17 57.1	2.432	3.356	7.2	19.3
3 12	12 19.42	+19 36.1	2.403	3.352	5.9	19.2
3 22	12 12.68	+21 4.2	2.402	3.348	6.3	19.2
4 1	12 5.81	+22 15.2	2.430	3.344	8.1	19.3
4 11	11 59.53	+23 5.1	2.483	3.340	10.4	19.5
4 21	11 54.44	+23 32.6	2.560	3.335	12.6	19.6
5 1	11 50.98	+23 38.5	2.654	3.331	14.4	19.7

173301 1999 TN_{318} 3 23.6 267°.80 0°.8/22.9 17

2 21	12 35.89	− 1 21.3	1.703	2.560	13.5	21.0
3 2	12 30.35	− 0 47.6	1.611	2.540	9.8	20.7
3 12	12 22.53	− 0 1.8	1.543	2.520	5.4	20.4
3 22	12 13.15	+ 0 51.1	1.502	2.498	0.9	20.0
4 1	12 3.29	+ 1 44.3	1.490	2.477	4.6	20.2
4 11	11 54.14	+ 2 30.2	1.504	2.455	9.4	20.5
4 21	11 46.74	+ 3 3.2	1.543	2.433	13.8	20.7
5 1	11 41.83	+ 3 19.6	1.601	2.410	17.6	20.9

501521 2014 EW_{27} 3 23.6 33°.23 2°.5/20.6 17

2 21	12 28.59	+ 2 6.7	1.984	2.854	11.3	20.8
3 2	12 24.61	+ 3 30.8	1.924	2.861	7.9	20.6
3 12	12 19.07	+ 5 2.5	1.891	2.869	4.3	20.4
3 22	12 12.63	+ 6 34.5	1.886	2.877	2.6	20.2
4 1	12 6.11	+ 7 58.8	1.910	2.886	5.3	20.4
4 11	12 0.33	+ 9 8.9	1.961	2.894	8.8	20.7
4 21	11 55.93	+10 0.5	2.037	2.903	12.0	20.9
5 1	11 53.37	+10 32.1	2.133	2.913	14.7	21.1

428334 2007 HT_{86} 3 23.6 286°.79 6°.2/17.6 17

2 21	12 34.97	+14 5.7	1.827	2.701	12.0	20.7
3 2	12 29.44	+15 8.7	1.757	2.688	9.0	20.5
3 12	12 21.88	+16 8.6	1.713	2.675	6.7	20.3
3 22	12 13.05	+16 57.1	1.696	2.663	6.5	20.3
4 1	12 3.98	+17 27.3	1.705	2.650	8.8	20.4
4 11	11 55.76	+17 34.8	1.740	2.637	11.9	20.5
4 21	11 49.25	+17 18.8	1.797	2.625	15.1	20.7
5 1	11 45.05	+16 40.9	1.872	2.612	17.8	20.9

142190 2002 RN_{50} 3 23.6 218°.90 2°.3/21.2 18

2 21	12 33.60	+ 1 42.9	1.843	2.707	12.3	20.2
3 2	12 28.40	+ 2 50.9	1.768	2.702	8.7	20.0
3 12	12 21.28	+ 4 8.3	1.718	2.696	4.8	19.7
3 22	12 12.97	+ 5 28.0	1.697	2.689	2.3	19.6
4 1	12 4.41	+ 6 41.9	1.704	2.682	5.4	19.7
4 11	11 56.65	+ 7 42.8	1.738	2.675	9.4	20.0
4 21	11 50.49	+ 8 25.9	1.797	2.668	13.2	20.2
5 1	11 46.51	+ 8 49.1	1.876	2.660	16.3	20.4

326695 2003 AJ_{27} 3 23.6 2°.81 5°.0/27.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.90	−14 27.5	1.461	2.288	17.1	19.4
3 2	12 28.37	−14 42.0	1.388	2.287	13.4	19.2
3 12	12 21.46	−14 32.3	1.336	2.287	9.4	18.9
3 22	12 13.00	−13 59.4	1.307	2.287	5.8	18.7
4 1	12 4.23	−13 7.8	1.303	2.288	5.5	18.7
4 11	11 56.44	−12 5.7	1.325	2.290	8.8	18.9
4 21	11 50.67	−11 2.4	1.370	2.292	12.9	19.1
5 1	11 47.59	−10 6.3	1.436	2.295	16.6	19.4

9552 1985 UY 3 23.6 146°.73 0°.3/23.1 18

2 21	12 28.72	− 2 53.0	2.817	3.661	9.2	17.9
3 2	12 24.35	− 2 3.9	2.742	3.665	6.5	17.7
3 12	12 18.82	− 1 6.7	2.695	3.669	3.5	17.5
3 22	12 12.61	− 0 5.2	2.677	3.673	0.5	17.3
4 1	12 6.31	+ 0 56.2	2.689	3.676	2.8	17.5
4 11	12 0.53	+ 1 52.8	2.731	3.680	5.9	17.7
4 21	11 55.73	+ 2 41.0	2.801	3.683	8.6	17.9
5 1	11 52.32	+ 3 18.0	2.894	3.686	10.9	18.0

159855 2004 FD_{147} 3 23.6 172°.64 14°.6/ 7.6 18

2 21	12 38.59	+27 46.0	1.255	2.125	16.6	19.7
3 2	12 32.85	+31 5.4	1.230	2.128	14.9	19.6
3 12	12 24.03	+34 0.4	1.228	2.130	14.8	19.6
3 22	12 13.36	+36 13.5	1.249	2.132	16.3	19.7
4 1	12 2.53	+37 33.9	1.291	2.133	18.7	19.9
4 11	11 53.27	+38 0.5	1.350	2.133	21.2	20.0
4 21	11 46.77	+37 39.5	1.423	2.133	23.6	20.2
5 1	11 43.64	+36 39.9	1.506	2.132	25.5	20.4

140859 2001 VP 3 23.6 102°.30 5°.8/14.8 18

2 21	12 31.18	+16 37.2	2.572	3.439	9.2	20.1
3 2	12 26.13	+18 24.4	2.539	3.460	7.1	20.0
3 12	12 19.78	+20 5.8	2.534	3.481	5.8	20.0
3 22	12 12.74	+21 34.5	2.559	3.501	6.2	20.0
4 1	12 5.69	+22 45.1	2.612	3.521	7.8	20.2
4 11	11 59.33	+23 34.4	2.692	3.541	9.9	20.3
4 21	11 54.18	+24 1.9	2.794	3.561	11.8	20.5
5 1	11 50.62	+24 8.9	2.915	3.580	13.5	20.7

217033 2001 PM_{27} 3 23.6 226°.46 1°.9/25.6 17

2 21	12 35.08	− 9 21.4	2.297	3.116	11.9	21.7
3 2	12 29.26	− 9 3.4	2.200	3.103	9.0	21.5
3 12	12 21.71	− 8 31.1	2.128	3.090	5.6	21.2
3 22	12 13.04	− 7 46.6	2.084	3.075	2.4	21.0
4 1	12 4.06	− 6 54.3	2.071	3.060	3.2	21.0
4 11	11 55.64	− 5 59.6	2.087	3.045	6.7	21.2
4 21	11 48.55	− 5 8.1	2.130	3.028	10.2	21.4
5 1	11 43.35	− 4 24.7	2.196	3.011	13.2	21.6

217274 2004 BE_{51} 3 23.6 327°.51 3°.5/26.2 18

2 21	12 34.35	−10 30.0	1.469	2.309	16.3	19.5
3 2	12 29.46	−10 40.1	1.390	2.301	12.5	19.3
3 12	12 22.10	−10 30.1	1.332	2.294	8.2	19.0
3 22	12 13.11	−10 1.6	1.299	2.288	4.2	18.7
4 1	12 3.71	− 9 19.2	1.292	2.281	4.7	18.7
4 11	11 55.23	− 8 30.7	1.310	2.275	8.9	19.0
4 21	11 48.77	− 7 44.2	1.352	2.270	13.4	19.2
5 1	11 45.06	− 7 6.7	1.414	2.265	17.3	19.4

506001 2015 GL_{50} 3 23.6 206°.25 4°.4/17.6 17

2 21	12 30.76	+12 7.0	2.588	3.456	9.1	21.7
3 2	12 25.91	+13 16.7	2.524	3.453	6.7	21.5
3 12	12 19.73	+14 25.3	2.486	3.450	4.7	21.4
3 22	12 12.75	+15 27.0	2.478	3.447	4.6	21.4
4 1	12 5.66	+16 16.5	2.499	3.443	6.4	21.5
4 11	11 59.14	+16 50.1	2.547	3.439	8.9	21.6
4 21	11 53.78	+17 6.2	2.619	3.435	11.2	21.8
5 1	11 49.99	+17 4.9	2.712	3.430	13.3	21.9

455562 2004 PM_{70} 3 23.6 167°.14 0°.1/23.7 18

2 21	12 36.29	− 4 50.7	1.994	2.834	12.6	22.6
3 2	12 30.14	− 4 1.3	1.921	2.840	9.1	22.4
3 12	12 22.16	− 2 58.7	1.873	2.846	5.1	22.2
3 22	12 13.10	− 1 47.8	1.854	2.850	0.8	21.8
4 1	12 3.90	− 0 35.3	1.865	2.854	3.6	22.1
4 11	11 55.52	+ 0 31.7	1.905	2.857	7.7	22.3
4 21	11 48.72	+ 1 27.6	1.971	2.859	11.4	22.6
5 1	11 44.04	+ 2 8.8	2.060	2.859	14.5	22.8

285580 2000 QV_{48} 3 23.6 214°.44 2°.6/19.6 17

2 21	12 29.86	+ 5 34.7	2.923	3.784	8.4	22.1
3 2	12 25.18	+ 6 48.9	2.844	3.776	5.9	21.9
3 12	12 19.30	+ 8 6.8	2.793	3.767	3.5	21.7
3 22	12 12.70	+ 9 23.5	2.773	3.758	2.7	21.7
4 1	12 5.95	+10 33.8	2.784	3.749	4.6	21.8
4 11	11 59.66	+11 33.1	2.824	3.739	7.2	21.9
4 21	11 54.34	+12 18.7	2.890	3.728	9.7	22.1
5 1	11 50.39	+12 48.9	2.978	3.717	11.8	22.2

155041 2005 QZ_{172} 3 23.6 131°.30 2°.1/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 36.53	− 8 25.5	1.392	2.239	16.6	20.7
3 2	12 30.97	− 8 6.3	1.324	2.243	12.4	20.4
3 12	12 22.88	− 7 26.5	1.278	2.247	7.5	20.1
3 22	12 13.22	− 6 30.3	1.257	2.250	2.7	19.8
4 1	12 3.31	− 5 24.9	1.263	2.254	4.3	20.0
4 11	11 54.53	− 4 19.9	1.294	2.257	9.3	20.2
4 21	11 47.94	− 3 23.8	1.348	2.260	13.9	20.5
5 1	11 44.19	− 2 42.7	1.423	2.263	17.9	20.8

370469 2003 EJ_{63} 3 23.6 6°.39 2°.5/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 38.64	− 6 11.0	1.479	2.326	15.8	20.1
3 2	12 32.43	− 6 47.8	1.408	2.326	11.8	19.9
3 12	12 23.69	− 7 11.4	1.359	2.327	7.3	19.6
3 22	12 13.34	− 7 22.7	1.336	2.328	3.0	19.4
4 1	12 2.67	− 7 24.9	1.340	2.330	4.4	19.5
4 11	11 53.07	− 7 23.0	1.370	2.333	8.9	19.7
4 21	11 45.61	− 7 22.1	1.425	2.336	13.3	20.0
5 1	11 40.97	− 7 27.0	1.499	2.340	17.1	20.2

468807 2012 KA_{19} 3 23.6 166°.73 9°.7/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.56	+26 20.1	2.069	2.926	11.5	21.0
3 2	12 28.30	+28 35.2	2.035	2.929	10.1	20.9
3 12	12 21.18	+30 36.0	2.028	2.931	9.7	20.9
3 22	12 12.97	+32 13.1	2.046	2.933	10.6	21.0
4 1	12 4.63	+33 19.8	2.089	2.935	12.3	21.1
4 11	11 57.17	+33 53.8	2.155	2.937	14.3	21.2
4 21	11 51.34	+33 56.7	2.238	2.938	16.2	21.4
5 1	11 47.66	+33 32.3	2.336	2.939	17.7	21.5

7709 1994 RN_{1} 3 23.6 216°.24 2°.3/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.12	+ 1 35.8	1.767	2.629	12.9	18.4
3 2	12 30.32	+ 2 39.6	1.689	2.621	9.2	18.1
3 12	12 22.41	+ 3 53.2	1.636	2.613	5.0	17.9
3 22	12 13.16	+ 5 9.7	1.611	2.604	2.3	17.7
4 1	12 3.62	+ 6 20.6	1.615	2.594	5.5	17.9
4 11	11 54.90	+ 7 18.5	1.646	2.584	9.8	18.1
4 21	11 47.91	+ 7 58.5	1.701	2.572	13.7	18.3
5 1	11 43.28	+ 8 18.3	1.777	2.561	17.1	18.5

430454 2000 VD_{2} 3 23.6 119°.54 17°.7/14.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 57.05	+36 7.2	1.142	1.973	20.6	20.7
3 2	12 46.02	+37 24.3	1.116	1.982	18.6	20.6
3 12	12 31.10	+38 3.0	1.108	1.990	17.7	20.5
3 22	12 14.33	+37 49.7	1.120	1.999	18.1	20.6
4 1	11 58.24	+36 40.2	1.152	2.006	19.6	20.7
4 11	11 45.02	+34 41.0	1.203	2.014	21.8	20.9
4 21	11 35.82	+32 5.1	1.271	2.021	24.1	21.1
5 1	11 30.91	+29 5.8	1.353	2.027	26.1	21.3

140515 2001 TA_{169} 3 23.6 139°.47 2°.2/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.91	−10 9.3	2.507	3.322	11.1	20.1
3 2	12 27.48	−10 5.4	2.429	3.328	8.4	19.9
3 12	12 20.62	− 9 48.9	2.376	3.333	5.4	19.7
3 22	12 12.90	− 9 21.7	2.351	3.339	2.7	19.6
4 1	12 5.04	− 8 47.2	2.355	3.344	3.0	19.6
4 11	11 57.79	− 8 9.8	2.389	3.348	5.9	19.8
4 21	11 51.76	− 7 33.9	2.450	3.353	8.8	20.0
5 1	11 47.40	− 7 3.3	2.536	3.357	11.5	20.2

299239 2005 MZ_{7} 3 23.6 205°.43 4°.9/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.79	−23 17.3	3.210	3.941	10.7	21.6
3 2	12 26.58	−23 23.1	3.109	3.935	9.0	21.4
3 12	12 20.10	−23 12.5	3.032	3.928	7.1	21.3
3 22	12 12.83	−22 45.5	2.981	3.921	5.5	21.2
4 1	12 5.37	−22 3.7	2.958	3.914	4.9	21.1
4 11	11 58.33	−21 10.5	2.965	3.906	5.8	21.2
4 21	11 52.28	−20 10.4	3.000	3.898	7.6	21.3
5 1	11 47.64	−19 8.4	3.060	3.889	9.5	21.4

369393 2009 VE_{79} 3 23.6 224°.17 3°.1/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.09	−12 21.1	2.244	3.051	12.5	21.4
3 2	12 29.33	−12 17.2	2.149	3.042	9.7	21.2
3 12	12 21.78	−11 57.2	2.079	3.031	6.5	21.0
3 22	12 13.09	−11 22.7	2.036	3.020	3.6	20.8
4 1	12 4.08	−10 37.1	2.022	3.008	3.7	20.8
4 11	11 55.66	− 9 45.6	2.037	2.996	6.7	20.9
4 21	11 48.62	− 8 54.3	2.079	2.983	10.1	21.1
5 1	11 43.53	− 8 8.4	2.145	2.970	13.2	21.3

305605 2008 YZ_{152} 3 23.6 161°.03 0°.7/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.64	− 5 33.6	1.964	2.800	12.9	22.2
3 2	12 31.13	− 5 5.0	1.891	2.807	9.4	21.9
3 12	12 22.73	− 4 23.3	1.844	2.814	5.4	21.7
3 22	12 13.21	− 3 32.5	1.825	2.821	1.2	21.4
4 1	12 3.54	− 2 38.4	1.836	2.826	3.5	21.6
4 11	11 54.74	− 1 47.3	1.876	2.830	7.6	21.9
4 21	11 47.58	− 1 4.5	1.942	2.834	11.3	22.1
5 1	11 42.61	− 0 33.9	2.030	2.837	14.4	22.3

249243 2008 QD_{5} 3 23.6 127°.96 0°.1/23.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.15	− 4 26.2	2.058	2.905	12.0	20.7
3 2	12 27.15	− 3 42.7	1.988	2.910	8.6	20.5
3 12	12 20.50	− 2 47.0	1.943	2.916	4.8	20.3
3 22	12 12.89	− 1 44.1	1.925	2.921	0.7	20.0
4 1	12 5.16	− 0 39.8	1.937	2.927	3.4	20.2
4 11	11 58.17	+ 0 19.5	1.978	2.932	7.3	20.4
4 21	11 52.61	+ 1 8.6	2.044	2.936	10.8	20.7
5 1	11 48.97	+ 1 44.0	2.132	2.941	13.8	20.9

389262 2009 FW_{62} 3 23.6 78°.27 0°.1/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.72	− 2 22.8	2.235	3.083	11.1	21.3
3 2	12 27.45	− 2 2.9	2.164	3.088	8.0	21.1
3 12	12 20.63	− 1 34.4	2.118	3.092	4.4	20.9
3 22	12 12.91	− 1 0.9	2.101	3.097	0.6	20.6
4 1	12 5.07	− 0 26.9	2.113	3.102	3.2	20.8
4 11	11 57.92	+ 0 3.0	2.153	3.106	6.9	21.0
4 21	11 52.11	+ 0 25.1	2.220	3.111	10.1	21.2
5 1	11 48.10	+ 0 36.8	2.309	3.116	12.9	21.4

40483 1999 RE_{62} 3 23.6 179°.04 3°.3/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.46	+ 6 24.8	2.310	3.175	10.1	19.7
3 2	12 27.24	+ 7 37.2	2.244	3.177	7.2	19.5
3 12	12 20.51	+ 8 52.9	2.204	3.178	4.3	19.3
3 22	12 12.90	+10 5.7	2.194	3.178	3.4	19.2
4 1	12 5.17	+11 9.2	2.213	3.178	5.6	19.4
4 11	11 58.10	+11 58.4	2.261	3.178	8.7	19.6
4 21	11 52.33	+12 30.6	2.333	3.177	11.5	19.8
5 1	11 48.31	+12 44.9	2.426	3.175	14.0	19.9

353493 2011 SP_{74} 3 23.6 241°.18 1°.4/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.96	− 6 51.2	2.338	3.169	11.3	20.9
3 2	12 27.64	− 6 46.6	2.257	3.169	8.3	20.7
3 12	12 20.76	− 6 30.8	2.201	3.168	5.0	20.5
3 22	12 12.94	− 6 6.3	2.174	3.167	1.8	20.3
4 1	12 4.95	− 5 36.8	2.176	3.166	2.9	20.4
4 11	11 57.57	− 5 6.5	2.206	3.165	6.3	20.6
4 21	11 51.47	− 4 39.8	2.264	3.164	9.6	20.8
5 1	11 47.14	− 4 20.1	2.344	3.163	12.4	21.0

353630 2011 UP_{59} 3 23.6 67°.49 2°.4/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.29	+ 5 47.3	2.462	3.324	9.7	20.6
3 2	12 26.97	+ 6 18.2	2.402	3.334	6.8	20.4
3 12	12 20.31	+ 6 51.0	2.368	3.343	3.9	20.3
3 22	12 12.89	+ 7 21.5	2.364	3.353	2.4	20.2
4 1	12 5.42	+ 7 45.6	2.389	3.363	4.5	20.3
4 11	11 58.63	+ 7 59.8	2.442	3.373	7.4	20.5
4 21	11 53.07	+ 8 2.4	2.521	3.383	10.2	20.7
5 1	11 49.15	+ 7 52.6	2.622	3.393	12.5	20.9

107236 2001 BM_{55} 3 23.6 127°.95 2°.3/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.59	−10 29.3	1.682	2.514	14.9	20.0
3 2	12 29.22	− 9 57.8	1.613	2.522	11.2	19.7
3 12	12 21.79	− 9 6.3	1.566	2.530	7.0	19.5
3 22	12 13.12	− 7 58.7	1.546	2.537	3.0	19.3
4 1	12 4.28	− 6 41.8	1.553	2.544	3.8	19.3
4 11	11 56.39	− 5 24.3	1.588	2.551	8.0	19.6
4 21	11 50.32	− 4 14.2	1.648	2.557	12.0	19.8
5 1	11 46.62	− 3 17.6	1.730	2.563	15.5	20.1

132127 2002 CO_{241} 3 23.6 46°.11 1°.8/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.62	− 9 15.7	1.384	2.235	16.5	19.2
3 2	12 28.15	− 8 30.7	1.318	2.239	12.2	19.0
3 12	12 21.32	− 7 22.4	1.274	2.244	7.4	18.7
3 22	12 13.06	− 5 56.6	1.255	2.248	2.5	18.4
4 1	12 4.59	− 4 22.4	1.262	2.253	4.1	18.5
4 11	11 57.20	− 2 51.3	1.294	2.259	9.1	18.8
4 21	11 51.87	− 1 32.6	1.351	2.264	13.8	19.1
5 1	11 49.21	− 0 32.9	1.427	2.270	17.7	19.4

321988 2010 UX_{59} 3 23.6 21°.39 0°.3/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.84	− 4 11.5	1.532	2.391	14.7	20.5
3 2	12 28.85	− 3 45.5	1.465	2.393	10.7	20.3
3 12	12 21.65	− 3 4.9	1.421	2.396	6.0	20.0
3 22	12 13.10	− 2 14.8	1.402	2.398	1.0	19.7
4 1	12 4.35	− 1 22.1	1.411	2.401	4.1	19.9
4 11	11 56.59	− 0 34.6	1.445	2.404	8.9	20.2
4 21	11 50.74	+ 0 1.7	1.503	2.408	13.2	20.5
5 1	11 47.40	+ 0 22.7	1.582	2.412	16.8	20.7

350348 2012 UO_{109} 3 23.6 139°.82 0°.9/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.15	− 0 15.5	2.387	3.239	10.4	21.4
3 2	12 26.97	+ 0 18.8	2.317	3.244	7.3	21.2
3 12	12 20.35	+ 1 0.2	2.273	3.248	3.9	21.0
3 22	12 12.91	+ 1 44.3	2.257	3.253	0.9	20.8
4 1	12 5.36	+ 2 26.7	2.272	3.257	3.5	21.0
4 11	11 58.45	+ 3 2.6	2.315	3.261	6.9	21.2
4 21	11 52.79	+ 3 28.8	2.385	3.265	10.0	21.4
5 1	11 48.81	+ 3 43.1	2.477	3.269	12.6	21.6

238794 2005 LO_1 3 23.6 132°.41 3°.7/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.01	+ 8 35.9	2.383	3.252	9.7	20.8
3 2	12 26.14	+ 9 49.2	2.325	3.258	6.9	20.6
3 12	12 19.89	+11 3.5	2.294	3.265	4.4	20.5
3 22	12 12.84	+12 12.6	2.293	3.272	3.9	20.4
4 1	12 5.72	+13 10.8	2.321	3.278	6.0	20.6
4 11	11 59.25	+13 53.8	2.376	3.284	8.7	20.8
4 21	11 54.03	+14 19.4	2.455	3.290	11.3	20.9
5 1	11 50.47	+14 27.3	2.556	3.295	13.5	21.1

266784 2009 SU_{244} 3 23.6 236°.53 1°.6/21.9 18

2 21	12 32.42	− 0 12.9	1.961	2.821	11.9	21.0
3 2	12 27.52	+ 0 51.3	1.881	2.812	8.4	20.8
3 12	12 20.82	+ 2 6.3	1.826	2.804	4.6	20.5
3 22	12 12.99	+ 3 25.7	1.800	2.795	1.6	20.3
4 1	12 4.91	+ 4 42.1	1.803	2.785	4.7	20.5
4 11	11 57.53	+ 5 48.4	1.833	2.775	8.7	20.7
4 21	11 51.62	+ 6 39.3	1.888	2.765	12.3	20.9
5 1	11 47.75	+ 7 12.0	1.965	2.755	15.4	21.1

369916 2013 CO_{180} 3 23.6 231°.76 3°.3/27.9 17

2 21	12 30.66	−14 59.5	2.806	3.597	10.7	21.1
3 2	12 25.87	−14 58.3	2.714	3.592	8.4	20.9
3 12	12 19.76	−14 42.8	2.647	3.588	5.9	20.8
3 22	12 12.84	−14 14.4	2.607	3.583	3.8	20.6
4 1	12 5.73	−13 35.4	2.596	3.578	3.5	20.6
4 11	11 59.10	−12 50.1	2.615	3.573	5.5	20.7
4 21	11 53.52	−12 2.9	2.661	3.568	8.1	20.9
5 1	11 49.43	−11 18.2	2.732	3.563	10.5	21.0

171886 2001 RE_{12} 3 23.6 157°.77 3°.0/27.6 18

2 21	12 31.17	−14 41.1	2.610	3.405	11.3	20.8
3 2	12 26.25	−14 20.4	2.527	3.410	8.8	20.7
3 12	12 19.96	−13 43.8	2.469	3.415	6.0	20.5
3 22	12 12.87	−12 53.4	2.439	3.419	3.6	20.3
4 1	12 5.64	−11 52.9	2.438	3.423	3.4	20.3
4 11	11 58.99	−10 47.5	2.467	3.426	5.7	20.5
4 21	11 53.50	− 9 42.5	2.523	3.429	8.4	20.7
5 1	11 49.59	− 8 42.9	2.604	3.432	11.0	20.8

13325 Valérienataf 3 23.6 306°.97 4°.3/20.4 18

2 21	12 35.01	+ 5 4.7	1.267	2.151	15.4	17.1
3 2	12 30.14	+ 6 9.8	1.201	2.143	11.0	16.8
3 12	12 22.58	+ 7 23.0	1.157	2.135	6.4	16.6
3 22	12 13.27	+ 8 34.2	1.138	2.127	4.4	16.4
4 1	12 3.61	+ 9 32.7	1.144	2.119	7.9	16.6
4 11	11 55.10	+10 9.7	1.173	2.112	12.8	16.8
4 21	11 48.87	+10 21.3	1.224	2.105	17.3	17.1
5 1	11 45.63	+10 7.2	1.291	2.098	21.1	17.3

502801 2015 DZ_{108} 3 23.6 269°.87 5°.9/17.6 17

2 21	12 35.93	+14 30.3	2.009	2.877	11.3	21.6
3 2	12 30.06	+15 28.5	1.933	2.860	8.5	21.4
3 12	12 22.25	+16 23.4	1.883	2.843	6.4	21.2
3 22	12 13.21	+17 7.8	1.860	2.825	6.2	21.2
4 1	12 3.90	+17 35.0	1.865	2.807	8.3	21.3
4 11	11 55.34	+17 41.1	1.896	2.789	11.3	21.4
4 21	11 48.37	+17 25.2	1.949	2.771	14.3	21.6
5 1	11 43.56	+16 48.6	2.022	2.752	16.9	21.7

42265 2001 QL_{69} 3 23.6 255°.78 2°.1/26.1 18 R

2 21	12 30.30	−10 59.6	2.224	3.046	12.1	18.3
3 2	12 25.85	−10 25.5	2.138	3.041	9.2	18.1
3 12	12 19.84	− 9 34.7	2.077	3.037	5.8	17.9
3 22	12 12.86	− 8 30.5	2.043	3.033	2.7	17.6
4 1	12 5.69	− 7 18.0	2.039	3.029	3.1	17.7
4 11	11 59.14	− 6 3.5	2.063	3.024	6.5	17.9
4 21	11 53.87	− 4 53.5	2.113	3.020	9.8	18.1
5 1	11 50.39	− 3 53.3	2.187	3.015	12.8	18.3

501454 2014 AL_{41} 3 23.6 104°.76 3°.2/27.4 17

2 21	12 33.27	−13 49.3	2.464	3.262	11.8	22.0
3 2	12 27.73	−13 44.4	2.394	3.279	9.1	21.9
3 12	12 20.77	−13 24.4	2.349	3.296	6.2	21.7
3 22	12 12.99	−12 50.9	2.332	3.312	3.7	21.6
4 1	12 5.13	−12 7.4	2.344	3.328	3.5	21.6
4 11	11 57.95	−11 18.8	2.385	3.344	5.9	21.8
4 21	11 52.06	−10 30.3	2.454	3.360	8.7	22.0
5 1	11 47.87	− 9 46.3	2.547	3.375	11.2	22.2

457384 2008 TK_{44} 3 23.6 79°.50 1°.8/25.1 18

2 21	12 35.36	− 8 31.5	1.364	2.213	16.7	22.0
3 2	12 30.08	− 8 0.3	1.304	2.224	12.4	21.8
3 12	12 22.37	− 7 7.7	1.266	2.236	7.4	21.5
3 22	12 13.23	− 5 59.1	1.253	2.247	2.5	21.2
4 1	12 3.95	− 4 42.9	1.266	2.258	4.2	21.4
4 11	11 55.88	− 3 29.3	1.305	2.269	9.2	21.7
4 21	11 49.99	− 2 26.9	1.368	2.280	13.7	22.0
5 1	11 46.85	− 1 41.3	1.450	2.291	17.5	22.2

165831 2001 RD_{131} 3 23.6 138°.21 1°.2/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.87	+ 0 18.5	2.212	3.069	10.9	20.3
3 2	12 26.89	+ 0 57.6	2.141	3.071	7.7	20.1
3 12	12 20.37	+ 1 44.0	2.095	3.072	4.1	19.9
3 22	12 12.94	+ 2 33.1	2.078	3.073	1.2	19.7
4 1	12 5.37	+ 3 19.7	2.090	3.074	3.9	19.9
4 11	11 58.48	+ 3 58.5	2.130	3.075	7.5	20.1
4 21	11 52.91	+ 4 26.1	2.196	3.076	10.7	20.3
5 1	11 49.13	+ 4 40.3	2.284	3.077	13.4	20.5

422739 2001 SP_{49} 3 23.6 175°.25 1°.6/21.7 15

2 21	12 35.39	+ 2 17.6	2.492	3.343	10.0	22.2
3 2	12 29.23	+ 3 0.0	2.419	3.346	7.1	22.0
3 12	12 21.60	+ 3 47.7	2.374	3.349	3.9	21.8
3 22	12 13.11	+ 4 36.1	2.358	3.351	1.6	21.6
4 1	12 4.51	+ 5 20.3	2.373	3.352	4.0	21.8
4 11	11 56.56	+ 5 56.0	2.417	3.353	7.2	22.0
4 21	11 49.87	+ 6 20.3	2.488	3.352	10.2	22.2
5 1	11 44.90	+ 6 31.6	2.582	3.351	12.7	22.3

386597 2009 FR_{59} 3 23.6 343°.46 7°.5/30.2 18

2 21	12 34.11	−21 24.7	1.922	2.693	15.6	20.0
3 2	12 29.03	−22 19.4	1.834	2.686	13.1	19.8
3 12	12 21.82	−22 52.5	1.768	2.680	10.4	19.6
3 22	12 13.19	−23 1.7	1.726	2.674	8.2	19.5
4 1	12 4.11	−22 47.7	1.709	2.668	7.5	19.4
4 11	11 55.73	−22 14.7	1.718	2.664	8.9	19.5
4 21	11 48.99	−21 29.3	1.752	2.659	11.5	19.6
5 1	11 44.58	−20 39.4	1.808	2.656	14.3	19.8

246994 1999 UF_{53} 3 23.6 146°.68 2°.3/25.9 18

2 21	12 37.08	−10 14.5	2.086	2.903	13.0	21.0
3 2	12 30.67	− 9 59.3	2.013	2.914	9.8	20.8
3 12	12 22.49	− 9 28.5	1.966	2.926	6.2	20.6
3 22	12 13.26	− 8 44.8	1.946	2.936	2.8	20.4
4 1	12 3.90	− 7 52.9	1.956	2.945	3.4	20.4
4 11	11 55.37	− 6 58.8	1.995	2.954	6.9	20.7
4 21	11 48.41	− 6 8.5	2.061	2.962	10.3	20.9
5 1	11 43.52	− 5 26.7	2.151	2.970	13.3	21.1

463788 2014 SW_{254} 3 23.6 151°.77 2°.1/25.6 16

2 21	12 36.63	− 9 9.1	1.907	2.734	13.6	22.4
3 2	12 30.51	− 8 54.2	1.834	2.741	10.2	22.2
3 12	12 22.47	− 8 23.2	1.785	2.748	6.3	21.9
3 22	12 13.26	− 7 39.2	1.763	2.755	2.6	21.7
4 1	12 3.88	− 6 47.3	1.771	2.761	3.5	21.8
4 11	11 55.36	− 5 54.1	1.806	2.766	7.4	22.0
4 21	11 48.52	− 5 5.7	1.868	2.771	11.1	22.3
5 1	11 43.89	− 4 27.2	1.952	2.775	14.3	22.5

419672 2010 TB_{168} 3 23.6 263°.64 0°.4/23.9 17

2 21	12 35.01	− 4 46.0	1.730	2.579	13.8	22.0
3 2	12 29.74	− 4 13.9	1.638	2.561	10.1	21.8
3 12	12 22.24	− 3 26.4	1.570	2.543	5.8	21.5
3 22	12 13.25	− 2 27.9	1.528	2.524	1.0	21.1
4 1	12 3.80	− 1 24.8	1.515	2.505	4.0	21.3
4 11	11 55.06	− 0 25.2	1.528	2.485	8.8	21.5
4 21	11 48.03	+ 0 24.3	1.567	2.465	13.2	21.7
5 1	11 43.40	+ 0 58.6	1.626	2.445	16.9	21.9

50839 2000 FJ_{43} 3 23.6 114°.94 3°.3/20.5 18

2 21	12 35.74	+ 7 43.3	2.113	2.978	11.0	18.9
3 2	12 29.66	+ 8 13.7	2.050	2.982	7.8	18.7
3 12	12 21.90	+ 8 44.9	2.012	2.986	4.7	18.5
3 22	12 13.17	+ 9 11.7	2.003	2.990	3.3	18.4
4 1	12 4.36	+ 9 29.3	2.023	2.993	5.6	18.6
4 11	11 56.36	+ 9 34.2	2.071	2.997	8.8	18.8
4 21	11 49.87	+ 9 24.9	2.143	3.001	11.9	19.0
5 1	11 45.36	+ 9 1.3	2.237	3.004	14.5	19.2

407823 2012 BR_4 3 23.6 116°.58 4°.4/19.5 18

2 21	12 36.54	+ 7 56.3	1.724	2.595	12.7	21.0
3 2	12 30.45	+ 9 5.2	1.674	2.609	9.0	20.8
3 12	12 22.39	+10 15.5	1.649	2.622	5.6	20.6
3 22	12 13.24	+11 19.1	1.652	2.635	4.5	20.6
4 1	12 4.08	+12 8.6	1.683	2.647	7.1	20.8
4 11	11 55.97	+12 38.8	1.740	2.659	10.6	21.0
4 21	11 49.70	+12 48.1	1.820	2.671	13.9	21.2
5 1	11 45.75	+12 37.0	1.920	2.682	16.7	21.5

315302 2007 TV_{177} 3 23.6 174°.74 1°.3/22.4 18

2 21	12 36.54	− 0 5.7	1.959	2.812	12.2	21.9
3 2	12 30.39	+ 0 40.7	1.887	2.815	8.7	21.7
3 12	12 22.38	+ 1 36.2	1.841	2.817	4.7	21.5
3 22	12 13.26	+ 2 35.1	1.824	2.819	1.3	21.2
4 1	12 3.97	+ 3 31.1	1.836	2.820	4.4	21.5
4 11	11 55.50	+ 4 17.8	1.877	2.821	8.4	21.7
4 21	11 48.65	+ 4 51.2	1.943	2.820	12.0	21.9
5 1	11 43.93	+ 5 8.9	2.030	2.819	15.1	22.1

316287 2010 RG_2 3 23.6 174.°96 0.°1/23.6 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 35.33	− 3 57.1	2.010	2.853	12.4	21.9
3 2	12 29.51	− 3 14.7	1.935	2.856	8.9	21.7
3 12	12 21.89	− 2 20.1	1.885	2.859	4.9	21.5
3 22	12 13.19	− 1 18.1	1.864	2.860	0.7	21.2
4 1	12 4.32	− 0 14.9	1.873	2.861	3.6	21.4
4 11	11 56.22	+ 0 43.0	1.910	2.861	7.7	21.6
4 21	11 49.66	+ 1 30.3	1.972	2.861	11.3	21.9
5 1	11 45.17	+ 2 3.5	2.058	2.860	14.4	22.1

215087 2009 FL_{43} 3 23.7 352.°63 7.°4/17.1 17

2 21	12 34.17	+17 14.0	1.691	2.568	12.6	19.2
3 2	12 28.95	+18 6.2	1.635	2.563	9.7	19.0
3 12	12 21.66	+18 50.6	1.602	2.558	7.7	18.9
3 22	12 13.16	+19 19.2	1.595	2.554	7.7	18.9
4 1	12 4.55	+19 25.8	1.614	2.551	9.8	19.0
4 11	11 56.93	+19 7.6	1.656	2.549	12.7	19.2
4 21	11 51.16	+18 25.4	1.720	2.548	15.6	19.4
5 1	11 47.76	+17 22.2	1.802	2.547	18.2	19.6

204600 2005 GJ_{171} 3 23.7 129.°29 1.°0/24.8 17

2 21	12 31.86	− 6 51.7	2.282	3.116	11.4	20.9
3 2	12 26.86	− 6 21.7	2.208	3.122	8.4	20.7
3 12	12 20.36	− 5 39.4	2.160	3.128	4.9	20.5
3 22	12 12.98	− 4 48.2	2.139	3.134	1.4	20.2
4 1	12 5.47	− 3 53.1	2.149	3.139	2.9	20.3
4 11	11 58.63	− 2 59.5	2.187	3.144	6.4	20.6
4 21	11 53.08	− 2 12.4	2.251	3.150	9.7	20.8
5 1	11 49.29	− 1 35.4	2.339	3.155	12.5	21.0

26913 1996 JF_2 3 23.7 106.°31 2.°8/20.6 18

2 21	12 32.81	+ 2 5.6	1.829	2.695	12.3	18.7
3 2	12 27.72	+ 3 37.6	1.775	2.710	8.6	18.5
3 12	12 20.88	+ 5 17.4	1.747	2.725	4.7	18.3
3 22	12 13.05	+ 6 56.7	1.748	2.739	2.8	18.2
4 1	12 5.18	+ 8 26.7	1.778	2.752	5.7	18.4
4 11	11 58.21	+ 9 40.1	1.835	2.766	9.4	18.7
4 21	11 52.85	+10 32.8	1.916	2.779	12.8	18.9
5 1	11 49.57	+11 3.7	2.018	2.792	15.6	19.1

504225 2006 UA_{124} 3 23.7 161.°59 1.°7/25.9 17

2 21	12 29.94	−10 22.3	2.528	3.347	10.9	22.3
3 2	12 25.41	− 9 42.4	2.446	3.349	8.2	22.1
3 12	12 19.53	− 8 48.2	2.391	3.352	5.1	21.9
3 22	12 12.86	− 7 43.0	2.363	3.354	2.2	21.7
4 1	12 6.06	− 6 31.4	2.366	3.356	2.7	21.8
4 11	11 59.83	− 5 19.3	2.398	3.358	5.8	22.0
4 21	11 54.74	− 4 11.9	2.457	3.359	8.8	22.2
5 1	11 51.21	− 3 13.7	2.541	3.361	11.5	22.4

419028 2009 QY_{48} 3 23.7 146.°65 0.°2/23.5 17

2 21	12 37.06	− 2 3.2	2.163	3.006	11.6	21.9
3 2	12 30.59	− 1 46.5	2.093	3.015	8.3	21.7
3 12	12 22.42	− 1 21.3	2.050	3.023	4.6	21.5
3 22	12 13.28	− 0 51.3	2.035	3.031	0.6	21.2
4 1	12 4.03	− 0 21.0	2.050	3.039	3.4	21.4
4 11	11 55.56	+ 0 5.0	2.095	3.046	7.2	21.7
4 21	11 48.59	+ 0 23.1	2.166	3.052	10.6	21.9
5 1	11 43.61	+ 0 30.8	2.259	3.058	13.4	22.1

39627 1994 PX_{21} 3 23.7 203.°65 1.°1/24.8 18

2 21	12 33.88	− 6 24.6	2.110	2.947	12.1	19.7
3 2	12 28.47	− 6 7.1	2.030	2.945	8.9	19.5
3 12	12 21.33	− 5 37.0	1.974	2.942	5.3	19.3
3 22	12 13.13	− 4 57.4	1.946	2.940	1.6	19.0
4 1	12 4.71	− 4 13.0	1.947	2.937	3.2	19.1
4 11	11 56.99	− 3 29.4	1.976	2.934	7.0	19.3
4 21	11 50.69	− 2 51.5	2.032	2.931	10.5	19.5
5 1	11 46.35	− 2 23.4	2.110	2.928	13.6	19.7

182813 2002 AB_{143} 3 23.7 167.°88 1.°7/21.4 16

2 21	12 33.67	+ 1 59.6	2.566	3.418	9.7	21.5
3 2	12 27.98	+ 2 57.4	2.496	3.424	6.8	21.3
3 12	12 20.92	+ 4 0.9	2.453	3.429	3.7	21.1
3 22	12 13.06	+ 5 5.2	2.441	3.433	1.7	20.9
4 1	12 5.11	+ 6 5.0	2.459	3.437	4.1	21.1
4 11	11 57.77	+ 6 55.5	2.507	3.440	7.1	21.3
4 21	11 51.63	+ 7 33.6	2.582	3.442	10.0	21.5
5 1	11 47.11	+ 7 57.5	2.679	3.444	12.4	21.7

501142 2013 TV_{53} 3 23.7 175.°14 2.°4/26.6 17

2 21	12 33.19	−12 5.1	2.533	3.339	11.3	22.5
3 2	12 27.73	−11 39.6	2.449	3.342	8.6	22.4
3 12	12 20.83	−10 59.2	2.390	3.344	5.6	22.2
3 22	12 13.06	−10 6.2	2.359	3.346	2.9	22.0
4 1	12 5.14	− 9 4.9	2.359	3.347	3.0	22.0
4 11	11 57.81	− 8 0.6	2.388	3.347	5.9	22.2
4 21	11 51.69	− 6 58.7	2.445	3.347	8.9	22.4
5 1	11 47.24	− 6 3.8	2.527	3.346	11.6	22.5

310469 2000 SV_{53} 3 23.7 172.°03 0.°5/24.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 36.33	− 5 35.5	1.986	2.824	12.7	22.3
3 2	12 30.25	− 4 56.3	1.911	2.828	9.3	22.1
3 12	12 22.33	− 4 3.4	1.861	2.832	5.3	21.8
3 22	12 13.28	− 3 1.3	1.839	2.834	1.1	21.5
4 1	12 4.06	− 1 56.2	1.846	2.836	3.5	21.7
4 11	11 55.65	− 0 54.9	1.883	2.837	7.6	22.0
4 21	11 48.82	− 0 3.0	1.946	2.838	11.3	22.2
5 1	11 44.12	+ 0 35.4	2.031	2.837	14.5	22.4

159831 2003 UF_{64} 3 23.7 226.°99 3.°9/18.7 18

2 21	12 31.64	+ 8 8.2	2.302	3.170	10.0	20.4
3 2	12 26.77	+ 9 29.8	2.228	3.162	7.2	20.2
3 12	12 20.36	+10 54.3	2.182	3.153	4.6	20.0
3 22	12 13.01	+12 14.9	2.165	3.144	4.1	19.9
4 1	12 5.46	+13 24.8	2.177	3.134	6.3	20.1
4 11	11 58.52	+14 18.8	2.217	3.124	9.3	20.2
4 21	11 52.85	+14 53.9	2.281	3.114	12.1	20.4
5 1	11 48.93	+15 9.3	2.365	3.103	14.5	20.5

295762 2008 UN_{156} 3 23.7 262.°01 0.°8/22.8 17

2 21	12 34.22	− 1 3.7	2.161	3.011	11.3	21.8
3 2	12 28.82	− 0 27.2	2.064	2.990	8.1	21.5
3 12	12 21.61	+ 0 19.0	1.992	2.967	4.5	21.3
3 22	12 13.20	+ 1 10.6	1.949	2.945	0.9	20.9
4 1	12 4.43	+ 2 2.1	1.935	2.921	3.9	21.1
4 11	11 56.21	+ 2 47.7	1.950	2.897	7.9	21.3
4 21	11 49.33	+ 3 22.6	1.991	2.873	11.6	21.5
5 1	11 44.40	+ 3 43.7	2.054	2.848	14.7	21.7

52111 3020 P–L 3 23.7 202.°08 3.°7/28.0 18

2 21	12 32.58	−15 35.1	2.521	3.311	11.8	18.9
3 2	12 27.39	−15 33.7	2.431	3.308	9.3	18.7
3 12	12 20.69	−15 16.1	2.366	3.305	6.6	18.6
3 22	12 13.06	−14 43.5	2.327	3.302	4.3	18.4
4 1	12 5.22	−13 58.7	2.317	3.298	3.9	18.4
4 11	11 57.94	−13 6.4	2.337	3.294	6.1	18.5
4 21	11 51.86	−12 12.1	2.383	3.290	8.9	18.7
5 1	11 47.47	−11 20.9	2.454	3.286	11.5	18.8

96233 1993 TA_{41} 3 23.7 112.°31 2.°3/21.8 18

2 21	12 37.30	+ 2 7.8	1.518	2.386	14.3	19.7
3 2	12 31.29	+ 2 50.9	1.459	2.394	10.1	19.5
3 12	12 23.01	+ 3 42.1	1.424	2.401	5.5	19.2
3 22	12 13.40	+ 4 34.2	1.415	2.409	2.3	19.0
4 1	12 3.67	+ 5 19.6	1.434	2.416	5.6	19.3
4 11	11 55.07	+ 5 51.6	1.478	2.423	10.1	19.5
4 21	11 48.51	+ 6 6.5	1.546	2.429	14.2	19.8
5 1	11 44.55	+ 6 3.1	1.634	2.436	17.6	20.0

4969 Lawrence 3 23.7 69.°31 0.°8/24.7 18

2 21	12 34.33	−11 39.2	1.820	2.643	14.3	17.0
3 2	12 28.63	− 9 32.3	1.773	2.682	10.4	16.8
3 12	12 21.28	− 7 4.8	1.753	2.720	6.0	16.7
3 22	12 13.13	− 4 26.2	1.763	2.758	1.5	16.4
4 1	12 5.14	− 1 48.1	1.805	2.795	3.4	16.6
4 11	11 58.23	+ 0 38.0	1.878	2.832	7.6	17.0
4 21	11 53.01	+ 2 43.7	1.978	2.868	11.2	17.3
5 1	11 49.87	+ 4 24.7	2.102	2.904	14.2	17.5

30442 2000 MO_4 3 23.7 189.°04 3.°3/27.8 18

2 21	12 32.70	−14 47.6	2.702	3.492	11.1	19.0
3 2	12 27.38	−14 48.1	2.613	3.491	8.7	18.8
3 12	12 20.65	−14 34.0	2.549	3.490	6.1	18.6
3 22	12 13.07	−14 6.5	2.512	3.488	3.9	18.5
4 1	12 5.30	−13 28.2	2.505	3.487	3.6	18.5
4 11	11 58.05	−12 43.4	2.527	3.484	5.7	18.6
4 21	11 51.93	−11 56.8	2.577	3.482	8.4	18.7
5 1	11 47.39	−11 12.9	2.651	3.479	10.9	18.9

18188 2000 QD_{55} 3 23.7 194.°08 0.°9/22.4 18 R

2 21	12 31.51	+ 0 23.0	2.974	3.821	8.7	20.1
3 2	12 26.36	+ 0 58.9	2.893	3.818	6.1	19.9
3 12	12 20.02	+ 1 40.4	2.840	3.815	3.3	19.7
3 22	12 12.97	+ 2 24.0	2.817	3.812	0.9	19.5
4 1	12 5.80	+ 3 5.8	2.825	3.808	3.1	19.7
4 11	11 59.11	+ 3 42.2	2.862	3.804	6.0	19.9
4 21	11 53.39	+ 4 10.3	2.927	3.799	8.6	20.0
5 1	11 49.06	+ 4 28.1	3.015	3.794	10.9	20.2

426712 2013 TJ_{40} 3 23.7 130.°24 1.°1/24.9 17

2 21	12 32.24	− 7 48.3	2.053	2.889	12.5	21.4
3 2	12 27.28	− 7 8.0	1.981	2.895	9.2	21.2
3 12	12 20.67	− 6 12.7	1.933	2.901	5.4	21.0
3 22	12 13.07	− 5 6.7	1.913	2.907	1.7	20.7
4 1	12 5.34	− 3 55.9	1.922	2.913	3.1	20.9
4 11	11 58.36	− 2 47.2	1.959	2.918	7.0	21.1
4 21	11 52.81	− 1 46.4	2.023	2.923	10.5	21.3
5 1	11 49.18	− 0 58.2	2.109	2.928	13.6	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
139774 2001 QJ_{297}			3 23.7 137°.59		0°.2/23.9 18	
	h m	° ′			°	m
2 21	12 31.67	− 4 18.9	2.671	3.508	9.9	20.5
3 2	12 26.53	− 3 45.8	2.601	3.518	7.1	20.3
3 12	12 20.13	− 3 3.9	2.556	3.528	4.0	20.1
3 22	12 13.00	− 2 16.4	2.541	3.537	0.7	19.9
4 1	12 5.79	− 1 27.6	2.557	3.546	2.7	20.1
4 11	11 59.17	− 0 42.0	2.602	3.555	5.9	20.3
4 21	11 53.65	− 0 3.3	2.674	3.563	8.7	20.5
5 1	11 49.66	+ 0 25.9	2.770	3.571	11.2	20.7
130712 2000 SP_{193}			3 23.7 81°.95		0°.8/24.3 18	
2 21	12 37.20	− 5 26.9	1.446	2.299	15.8	20.2
3 2	12 31.23	− 4 59.6	1.392	2.316	11.4	19.9
3 12	12 22.97	− 4 16.0	1.361	2.334	6.5	19.7
3 22	12 13.42	− 3 21.9	1.356	2.351	1.4	19.4
4 1	12 3.83	− 2 24.6	1.378	2.369	4.1	19.6
4 11	11 55.47	− 1 32.6	1.426	2.386	9.0	20.0
4 21	11 49.25	− 0 52.0	1.498	2.403	13.3	20.3
5 1	11 45.67	− 0 26.8	1.591	2.419	16.8	20.5
407287 2010 GB_{157}			3 23.7 268°.13		4°.3/20.4 17	
2 21	12 38.69	+ 7 12.6	1.509	2.382	14.1	20.9
3 2	12 32.62	+ 7 58.3	1.430	2.366	10.2	20.6
3 12	12 23.97	+ 8 47.8	1.375	2.349	6.2	20.3
3 22	12 13.60	+ 9 33.2	1.346	2.333	4.4	20.2
4 1	12 2.77	+10 6.0	1.344	2.316	7.5	20.3
4 11	11 52.89	+10 19.9	1.367	2.299	11.9	20.5
4 21	11 45.09	+10 12.2	1.413	2.281	16.2	20.7
5 1	11 40.11	+ 9 42.9	1.477	2.264	19.8	20.9
306663 2000 SM_{261}			3 23.7 252°.94		4°.2/20.2 18	
2 21	12 37.97	+ 7 17.6	1.596	2.467	13.5	20.2
3 2	12 31.92	+ 8 7.5	1.521	2.456	9.7	19.9
3 12	12 23.49	+ 9 0.8	1.470	2.444	5.9	19.6
3 22	12 13.52	+ 9 49.7	1.446	2.432	4.3	19.5
4 1	12 3.20	+10 26.4	1.449	2.420	7.3	19.7
4 11	11 53.82	+10 44.7	1.478	2.407	11.4	19.9
4 21	11 46.41	+10 42.1	1.530	2.394	15.4	20.1
5 1	11 41.64	+10 18.6	1.601	2.381	18.8	20.3
248475 2005 UE_{105}			3 23.7 262°.35		3°.2/20.4 17	
2 21	12 35.12	+ 5 22.4	2.019	2.883	11.4	21.3
3 2	12 29.58	+ 6 20.3	1.927	2.860	8.2	21.1
3 12	12 22.10	+ 7 24.0	1.862	2.836	4.8	20.8
3 22	12 13.32	+ 8 27.2	1.824	2.812	3.3	20.7
4 1	12 4.14	+ 9 22.7	1.816	2.788	6.0	20.8
4 11	11 55.58	+10 4.4	1.835	2.762	9.7	21.0
4 21	11 48.49	+10 28.5	1.879	2.736	13.3	21.1
5 1	11 43.50	+10 33.5	1.943	2.710	16.4	21.3
150835 2001 SE_{34}			3 23.7 80°.66		1°.9/22.3 18	
2 21	12 40.22	+ 3 38.3	1.695	2.555	13.4	19.9
3 2	12 33.21	+ 3 43.0	1.631	2.562	9.6	19.6
3 12	12 24.03	+ 3 51.7	1.593	2.569	5.3	19.4
3 22	12 13.58	+ 3 59.8	1.582	2.576	1.9	19.2
4 1	12 3.02	+ 4 2.6	1.599	2.583	5.0	19.4
4 11	11 53.54	+ 3 56.2	1.644	2.589	9.2	19.7
4 21	11 46.02	+ 3 38.4	1.714	2.596	13.1	19.9
5 1	11 41.01	+ 3 8.6	1.804	2.603	16.3	20.1
244270 2002 DN_{1}			3 23.7 244°.45		6°.1/30.7 18	
2 21	12 34.23	−23 11.8	2.676	3.414	12.5	20.3
3 2	12 28.66	−23 46.0	2.577	3.406	10.5	20.2
3 12	12 21.47	−24 2.2	2.501	3.397	8.5	20.0
3 22	12 13.22	−23 59.5	2.450	3.388	6.7	19.9
4 1	12 4.65	−23 38.6	2.428	3.379	6.1	19.8
4 11	11 56.56	−23 2.8	2.432	3.370	7.1	19.9
4 21	11 49.66	−22 17.0	2.464	3.360	9.1	20.0
5 1	11 44.49	−21 27.0	2.520	3.350	11.3	20.1
470109 2006 TE_{85}			3 23.7 215°.83		1°.7/25.8 17	
2 21	12 31.57	− 9 24.4	2.695	3.512	10.4	22.1
3 2	12 26.57	− 9 6.0	2.604	3.506	7.8	22.0
3 12	12 20.22	− 8 35.5	2.539	3.500	4.9	21.8
3 22	12 13.03	− 7 55.3	2.503	3.493	2.1	21.6
4 1	12 5.65	− 7 8.7	2.497	3.486	2.7	21.6
4 11	11 58.78	− 6 20.3	2.520	3.479	5.6	21.8
4 21	11 52.98	− 5 34.6	2.571	3.471	8.6	21.9
5 1	11 48.71	− 4 55.4	2.646	3.463	11.2	22.1
372025 2008 QX_{8}			3 23.7 96°.77		1°.9/25.5 18	
2 21	12 36.10	− 7 57.7	2.013	2.842	12.9	20.5
3 2	12 30.03	− 7 56.8	1.947	2.856	9.6	20.4
3 12	12 22.18	− 7 42.5	1.905	2.869	5.9	20.2
3 22	12 13.31	− 7 17.3	1.891	2.883	2.4	19.9
4 1	12 4.34	− 6 45.5	1.906	2.896	3.3	20.0
4 11	11 56.22	− 6 12.3	1.949	2.909	6.9	20.3
4 21	11 49.68	− 5 42.6	2.019	2.922	10.4	20.5
5 1	11 45.21	− 5 20.4	2.111	2.934	13.4	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
30238 2000 HY_{4}			3 23.7 35°.07		0°.5/24.2 18	
	h m	° ′			°	m
2 21	12 30.16	− 6 19.6	2.064	2.908	12.1	18.7
3 2	12 25.83	− 5 27.2	1.989	2.909	8.8	18.5
3 12	12 19.89	− 4 20.4	1.939	2.910	5.0	18.3
3 22	12 12.98	− 3 4.1	1.916	2.912	1.0	18.0
4 1	12 5.92	− 1 44.8	1.923	2.913	3.2	18.2
4 11	11 59.55	− 0 29.5	1.958	2.914	7.1	18.4
4 21	11 54.55	+ 0 35.7	2.018	2.916	10.7	18.6
5 1	11 51.39	+ 1 26.6	2.102	2.917	13.7	18.8
61874 2000 QX_{213}			3 23.7 244°.99		2°.0/20.9 18	
2 21	12 30.11	+ 2 31.5	2.466	3.326	9.8	19.9
3 2	12 25.61	+ 3 37.3	2.384	3.317	6.9	19.7
3 12	12 19.72	+ 4 49.6	2.330	3.307	3.8	19.5
3 22	12 12.96	+ 6 3.1	2.305	3.297	2.1	19.3
4 1	12 6.02	+ 7 12.1	2.310	3.286	4.5	19.5
4 11	11 59.61	+ 8 10.9	2.344	3.276	7.6	19.7
4 21	11 54.34	+ 8 56.0	2.403	3.265	10.6	19.8
5 1	11 50.66	+ 9 25.2	2.485	3.254	13.1	20.0
135305 2001 SH_{251}			3 23.7 125°.89		0°.4/23.2 18	
2 21	12 32.16	− 2 4.4	2.583	3.428	9.9	20.6
3 2	12 26.90	− 1 30.9	2.517	3.439	7.1	20.4
3 12	12 20.34	− 0 49.8	2.477	3.451	3.8	20.2
3 22	12 13.04	− 0 4.9	2.466	3.462	0.6	20.0
4 1	12 5.68	+ 0 39.6	2.485	3.473	3.0	20.2
4 11	11 58.94	+ 1 19.2	2.534	3.483	6.2	20.4
4 21	11 53.35	+ 1 50.7	2.610	3.493	9.1	20.6
5 1	11 49.33	+ 2 11.6	2.709	3.503	11.6	20.8
208448 2001 TC_{157}			3 23.7 173°.94		0°.1/23.6 18	
2 21	12 31.12	− 3 41.2	2.517	3.359	10.2	21.3
3 2	12 26.26	− 3 1.4	2.439	3.361	7.3	21.1
3 12	12 20.03	− 2 12.1	2.389	3.362	4.1	20.9
3 22	12 13.01	− 1 17.2	2.367	3.363	0.6	20.6
4 1	12 5.85	− 0 21.3	2.375	3.364	2.9	20.8
4 11	11 59.26	+ 0 30.4	2.412	3.364	6.3	21.0
4 21	11 53.83	+ 1 14.1	2.476	3.364	9.4	21.2
5 1	11 49.98	+ 1 46.5	2.564	3.364	12.0	21.4
375327 2008 RM_{117}			3 23.7 154°.07		0°.5/24.2 17	
2 21	12 31.97	− 5 57.0	2.013	2.856	12.4	21.0
3 2	12 27.15	− 5 12.3	1.938	2.858	9.0	20.8
3 12	12 20.63	− 4 13.6	1.889	2.860	5.1	20.6
3 22	12 13.10	− 3 5.5	1.866	2.862	1.1	20.3
4 1	12 5.40	− 1 54.4	1.873	2.864	3.3	20.5
4 11	11 58.43	− 0 47.1	1.909	2.865	7.3	20.7
4 21	11 52.91	+ 0 10.5	1.970	2.867	10.9	20.9
5 1	11 49.34	+ 0 54.3	2.053	2.868	14.0	21.1
316805 1999 VB_{63}			3 23.7 132°.47		1°.5/22.2 18	
2 21	12 36.89	+ 0 36.9	1.883	2.739	12.5	21.6
3 2	12 30.63	+ 1 21.1	1.823	2.752	8.8	21.4
3 12	12 22.52	+ 2 13.2	1.788	2.764	4.8	21.2
3 22	12 13.37	+ 3 7.5	1.781	2.776	1.5	21.0
4 1	12 4.15	+ 3 57.6	1.804	2.787	4.5	21.2
4 11	11 55.86	+ 4 37.6	1.854	2.798	8.5	21.5
4 21	11 49.27	+ 5 3.8	1.930	2.808	12.1	21.7
5 1	11 44.85	+ 5 14.5	2.027	2.817	15.0	21.9
111422 2001 XM_{196}			3 23.7 67°.26		3°.7/27.9 18	
2 21	12 31.93	−14 54.5	2.321	3.120	12.4	19.2
3 2	12 26.98	−14 55.8	2.243	3.126	9.8	19.1
3 12	12 20.50	−14 40.3	2.189	3.133	6.8	18.9
3 22	12 13.08	−14 9.6	2.162	3.139	4.3	18.7
4 1	12 5.51	−13 26.8	2.163	3.145	4.0	18.7
4 11	11 58.58	−12 37.1	2.192	3.152	6.3	18.9
4 21	11 52.96	−11 46.1	2.248	3.159	9.2	19.1
5 1	11 49.12	−10 58.8	2.328	3.165	11.9	19.3
402102 2003 WX_{106}			3 23.7 99°.59		3°.1/26.2 18	
2 21	12 37.07	−10 21.2	1.593	2.425	15.6	21.0
3 2	12 31.18	−10 24.6	1.524	2.432	11.9	20.8
3 12	12 23.02	−10 9.2	1.478	2.439	7.6	20.5
3 22	12 13.46	− 9 37.1	1.458	2.446	3.7	20.3
4 1	12 3.69	− 8 53.4	1.464	2.453	4.3	20.4
4 11	11 54.94	− 8 5.4	1.497	2.460	8.3	20.6
4 21	11 48.16	− 7 20.5	1.555	2.467	12.4	20.9
5 1	11 43.97	− 6 44.6	1.635	2.474	15.9	21.1
237965 2002 RV_{163}			3 23.7 108°.26		0°.5/23.1 18	
2 21	12 31.68	− 2 33.3	2.180	3.031	11.3	20.7
3 2	12 26.78	− 1 44.3	2.114	3.040	8.0	20.5
3 12	12 20.35	− 0 45.5	2.074	3.049	4.3	20.3
3 22	12 13.06	+ 0 18.3	2.062	3.058	0.7	20.0
4 1	12 5.68	+ 1 21.2	2.080	3.067	3.5	20.3
4 11	11 59.00	+ 2 17.3	2.126	3.076	7.2	20.5
4 21	11 53.67	+ 3 2.3	2.199	3.085	10.4	20.7
5 1	11 50.13	+ 3 33.5	2.293	3.093	13.2	20.9

254676 2005 LR_{46} 3 23.7 83°.23 4°.6/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.34	+ 7 19.0	1.680	2.555	12.7	20.1
3 2	12 28.87	+ 8 57.1	1.641	2.578	9.0	19.9
3 12	12 21.54	+10 36.8	1.629	2.601	5.6	19.8
3 22	12 13.22	+12 8.4	1.643	2.624	4.9	19.8
4 1	12 4.97	+13 23.5	1.686	2.646	7.5	20.0
4 11	11 57.79	+14 16.1	1.754	2.669	10.9	20.2
4 21	11 52.40	+14 44.6	1.846	2.690	14.0	20.5
5 1	11 49.24	+14 49.7	1.956	2.712	16.6	20.7

85438 1997 EH_{37} 3 23.7 45°.21 4°.1/20.5 18

2 21	12 35.09	+ 4 5.6	1.178	2.064	16.2	19.0
3 2	12 30.17	+ 5 19.9	1.127	2.071	11.4	18.7
3 12	12 22.57	+ 6 42.7	1.099	2.077	6.5	18.5
3 22	12 13.39	+ 8 2.9	1.094	2.084	4.2	18.4
4 1	12 4.10	+ 9 9.0	1.114	2.091	7.9	18.6
4 11	11 56.16	+ 9 52.2	1.158	2.099	12.7	18.9
4 21	11 50.62	+10 9.1	1.222	2.107	17.1	19.2
5 1	11 48.07	+ 9 59.8	1.304	2.115	20.8	19.4

80365 1999 XF_{139} 3 23.7 118°.63 2°.9/21.4 18

2 21	12 38.59	+ 2 54.6	1.461	2.330	14.7	19.5
3 2	12 32.23	+ 3 51.7	1.408	2.343	10.4	19.3
3 12	12 23.54	+ 4 56.5	1.379	2.356	5.7	19.0
3 22	12 13.53	+ 6 0.5	1.376	2.368	2.9	18.9
4 1	12 3.46	+ 6 55.2	1.400	2.380	6.2	19.1
4 11	11 54.64	+ 7 33.4	1.451	2.391	10.7	19.4
4 21	11 47.96	+ 7 51.9	1.524	2.401	14.7	19.6
5 1	11 43.98	+ 7 50.0	1.617	2.412	18.0	19.9

32167 2000 NU_8 3 23.7 85°.10 0°.6/23.2 18

2 21	12 36.36	− 3 42.5	1.453	2.311	15.4	18.5
3 2	12 30.55	− 2 41.9	1.405	2.334	10.9	18.3
3 12	12 22.55	− 1 26.5	1.381	2.357	5.9	18.0
3 22	12 13.38	− 0 4.1	1.383	2.379	0.8	17.7
4 1	12 4.25	+ 1 16.0	1.413	2.401	4.6	18.1
4 11	11 56.37	+ 2 24.7	1.469	2.422	9.4	18.4
4 21	11 50.57	+ 3 16.1	1.549	2.444	13.5	18.7
5 1	11 47.32	+ 3 47.6	1.649	2.464	16.9	18.9

21078 1991 RR_{16} 3 23.7 244°.22 1°.2/22.2 18

2 21	12 31.69	+ 1 40.9	2.714	3.567	9.2	18.1
3 2	12 26.61	+ 2 6.7	2.632	3.560	6.5	18.0
3 12	12 20.23	+ 2 37.3	2.577	3.553	3.5	17.7
3 22	12 13.05	+ 3 9.2	2.552	3.547	1.2	17.6
4 1	12 5.73	+ 3 38.7	2.557	3.540	3.4	17.7
4 11	11 58.91	+ 4 2.1	2.591	3.533	6.5	17.9
4 21	11 53.17	+ 4 16.7	2.651	3.526	9.3	18.1
5 1	11 48.92	+ 4 20.8	2.734	3.518	11.7	18.2

142157 2002 RB_{30} 3 23.7 111°.50 3°.4/26.8 18

2 21	12 35.90	−12 25.0	1.746	2.566	15.0	20.1
3 2	12 30.17	−12 19.1	1.677	2.576	11.5	19.9
3 12	12 22.39	−11 53.4	1.631	2.586	7.6	19.7
3 22	12 13.37	−11 10.2	1.611	2.596	4.1	19.5
4 1	12 4.19	−10 14.7	1.618	2.606	4.2	19.5
4 11	11 55.96	− 9 14.1	1.653	2.615	7.7	19.7
4 21	11 49.52	− 8 16.0	1.713	2.624	11.5	20.0
5 1	11 45.44	− 7 26.5	1.795	2.633	14.8	20.2

306616 2000 QR_{14} 3 23.7 168°.37 1°.3/22.4 18

2 21	12 36.59	− 0 35.5	1.954	2.806	12.3	21.3
3 2	12 30.46	+ 0 17.6	1.885	2.812	8.7	21.1
3 12	12 22.48	+ 1 20.3	1.840	2.816	4.7	20.9
3 22	12 13.39	+ 2 27.0	1.825	2.820	1.3	20.6
4 1	12 4.16	+ 3 30.6	1.839	2.823	4.4	20.9
4 11	11 55.77	+ 4 24.8	1.882	2.825	8.4	21.1
4 21	11 48.99	+ 5 5.0	1.950	2.827	12.0	21.3
5 1	11 44.34	+ 5 28.8	2.039	2.827	15.0	21.5

491790 2012 XC_{11} 3 23.7 148°.22 1°.2/25.2 17

2 21	12 31.35	− 7 47.6	2.511	3.339	10.7	22.0
3 2	12 26.43	− 7 18.2	2.434	3.344	7.9	21.8
3 12	12 20.14	− 6 37.0	2.383	3.349	4.7	21.6
3 22	12 13.05	− 5 46.9	2.360	3.354	1.6	21.4
4 1	12 5.84	− 4 52.3	2.368	3.358	2.7	21.5
4 11	11 59.21	− 3 58.2	2.404	3.362	5.9	21.7
4 21	11 53.76	− 3 9.4	2.468	3.366	9.0	21.9
5 1	11 49.91	− 2 29.4	2.555	3.370	11.6	22.1

288657 2004 PT_{54} 3 23.7 165°.46 0°.2/23.5 18

2 21	12 38.18	− 2 56.8	1.844	2.690	13.2	21.5
3 2	12 31.70	− 2 23.8	1.773	2.696	9.5	21.3
3 12	12 23.20	− 1 39.3	1.727	2.701	5.3	21.1
3 22	12 13.51	− 0 47.9	1.709	2.705	0.7	20.8
4 1	12 3.64	+ 0 3.9	1.721	2.709	3.9	21.0
4 11	11 54.68	+ 0 49.8	1.760	2.712	8.2	21.3
4 21	11 47.47	+ 1 24.8	1.825	2.714	12.1	21.5
5 1	11 42.55	+ 1 45.6	1.912	2.715	15.4	21.7

365549 2010 TE_5 3 23.7 178°.45 0°.6/23.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 36.25	− 1 50.0	2.040	2.887	12.0	22.3
3 2	12 30.19	− 1 13.9	1.965	2.889	8.6	22.1
3 12	12 22.33	− 0 27.9	1.916	2.890	4.7	21.8
3 22	12 13.38	+ 0 23.3	1.895	2.891	0.7	21.5
4 1	12 4.25	+ 1 13.9	1.904	2.891	3.8	21.8
4 11	11 55.90	+ 1 58.1	1.942	2.891	7.8	22.0
4 21	11 49.08	+ 2 31.4	2.005	2.889	11.4	22.2
5 1	11 44.32	+ 2 51.2	2.091	2.888	14.4	22.4

463097 2011 UT_{24} 3 23.7 100°.71 1°.0/24.6 18

2 21	12 37.31	− 6 33.0	1.594	2.439	15.0	22.2
3 2	12 31.17	− 6 1.7	1.538	2.457	10.9	22.0
3 12	12 22.91	− 5 14.1	1.505	2.476	6.3	21.7
3 22	12 13.46	− 4 15.4	1.499	2.493	1.6	21.5
4 1	12 3.97	− 3 12.8	1.520	2.511	3.8	21.7
4 11	11 55.61	− 2 14.2	1.569	2.528	8.4	22.0
4 21	11 49.22	− 1 26.1	1.643	2.545	12.4	22.2
5 1	11 45.31	− 0 52.5	1.737	2.561	15.8	22.5

107045 2000 YS_{133} 3 23.7 154°.78 0°.2/23.8 18

2 21	12 36.74	− 3 58.9	1.789	2.636	13.5	20.6
3 2	12 30.72	− 3 28.8	1.719	2.642	9.7	20.4
3 12	12 22.68	− 2 45.9	1.674	2.647	5.5	20.2
3 22	12 13.44	− 1 55.1	1.656	2.652	0.9	19.9
4 1	12 4.03	− 1 2.4	1.667	2.656	3.8	20.1
4 11	11 55.53	− 0 14.7	1.706	2.660	8.2	20.4
4 21	11 48.78	+ 0 22.8	1.769	2.664	12.1	20.6
5 1	11 44.34	+ 0 46.4	1.855	2.667	15.4	20.8

320450 2007 VT_{200} 3 23.7 358°.83 2°.7/25.8 17

2 21	12 29.50	− 9 47.8	1.132	1.996	18.4	20.1
3 2	12 26.42	− 9 24.9	1.066	1.993	13.9	19.8
3 12	12 20.66	− 8 35.1	1.020	1.990	8.6	19.5
3 22	12 13.17	− 7 23.1	0.997	1.989	3.5	19.2
4 1	12 5.34	− 5 58.3	0.997	1.989	4.6	19.3
4 11	11 58.67	− 4 33.0	1.020	1.991	10.0	19.6
4 21	11 54.31	− 3 18.8	1.065	1.993	15.2	19.9
5 1	11 52.94	− 2 23.8	1.128	1.997	19.6	20.1

169407 2001 XC_{50} 3 23.7 176°.86 0°.6/24.5 17

2 21	12 31.43	− 5 45.9	2.713	3.545	9.9	21.1
3 2	12 26.42	− 5 16.6	2.633	3.547	7.2	20.9
3 12	12 20.13	− 4 37.5	2.579	3.548	4.2	20.7
3 22	12 13.06	− 3 51.6	2.554	3.549	1.0	20.4
4 1	12 5.87	− 3 2.8	2.559	3.549	2.6	20.6
4 11	11 59.21	− 2 15.7	2.594	3.549	5.7	20.8
4 21	11 53.63	− 1 34.1	2.656	3.549	8.6	21.0
5 1	11 49.54	− 1 1.3	2.743	3.548	11.1	21.1

518847 2010 DM 3 23.7 180°.40 1°.2/22.2 18

2 21	12 40.41	+ 0 3.9	2.992	3.821	9.1	24.9
3 2	12 32.65	+ 1 4.7	2.908	3.825	6.5	24.7
3 12	12 23.52	+ 2 12.2	2.854	3.827	3.5	24.5
3 22	12 13.57	+ 3 22.0	2.833	3.828	1.2	24.3
4 1	12 3.48	+ 4 29.2	2.847	3.827	3.4	24.5
4 11	11 53.97	+ 5 29.1	2.893	3.824	6.4	24.7
4 21	11 45.62	+ 6 18.3	2.969	3.819	9.1	24.9
5 1	11 38.87	+ 6 54.8	3.071	3.813	11.4	25.0

259915 2004 EP_{23} 3 23.7 306°.28 3°.1/24.2 18

2 21	12 55.39	− 0 35.7	0.980	1.840	20.9	20.3
3 2	12 46.45	− 2 32.5	0.897	1.823	15.8	19.9
3 12	12 32.65	− 4 32.2	0.835	1.807	9.6	19.5
3 22	12 15.04	− 6 31.1	0.797	1.791	3.5	19.1
4 1	11 55.89	− 8 23.5	0.786	1.776	6.8	19.2
4 11	11 38.08	−10 5.8	0.800	1.761	13.9	19.5
4 21	11 23.97	−11 37.5	0.837	1.747	20.3	19.8
5 1	11 14.92	−13 2.3	0.890	1.733	25.6	20.1

388346 2006 TM_{93} 3 23.7 213°.76 1°.4/25.5 17

2 21	12 31.29	− 8 31.1	2.692	3.514	10.3	21.6
3 2	12 26.39	− 8 6.5	2.603	3.508	7.6	21.4
3 12	12 20.14	− 7 30.1	2.539	3.502	4.7	21.2
3 22	12 13.08	− 6 44.5	2.504	3.496	1.8	21.0
4 1	12 5.83	− 5 53.4	2.499	3.489	2.6	21.1
4 11	11 59.09	− 5 1.6	2.524	3.482	5.7	21.3
4 21	11 53.41	− 4 13.5	2.576	3.475	8.6	21.4
5 1	11 49.26	− 3 32.8	2.652	3.467	11.2	21.6

23020 1999 WY_2 3 23.7 256°.43 0°.5/23.2 18

2 21	12 35.23	− 2 47.5	1.833	2.684	13.0	18.8
3 2	12 29.84	− 2 5.4	1.740	2.666	9.4	18.6
3 12	12 22.34	− 1 9.9	1.671	2.646	5.2	18.3
3 22	12 13.42	− 0 6.0	1.630	2.626	0.8	17.9
4 1	12 4.07	+ 0 59.7	1.618	2.606	4.2	18.1
4 11	11 55.39	+ 1 59.4	1.633	2.585	8.8	18.3
4 21	11 48.31	+ 2 47.0	1.674	2.563	13.0	18.5
5 1	11 43.53	+ 3 18.3	1.735	2.541	16.5	18.7

15378 Artin 3 23.7 200°.79 2°.0/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.43	+ 1 58.8	2.137	2.995	11.2	20.4
3 2	12 28.87	+ 2 55.2	2.061	2.991	7.9	20.2
3 12	12 21.60	+ 3 58.9	2.011	2.987	4.3	20.0
3 22	12 13.30	+ 5 4.1	1.989	2.982	2.0	19.8
4 1	12 4.80	+ 6 4.6	1.997	2.976	4.7	20.0
4 11	11 56.99	+ 6 54.4	2.034	2.970	8.3	20.2
4 21	11 50.59	+ 7 29.7	2.096	2.964	11.7	20.4
5 1	11 46.13	+ 7 48.5	2.180	2.957	14.5	20.6

439482 2013 YT_{105} 3 23.7 34°.39 8°.4/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.08	−26 56.5	1.725	2.476	17.9	20.2
3 2	12 26.85	−27 11.6	1.665	2.497	15.2	20.0
3 12	12 20.58	−26 55.5	1.624	2.518	12.3	19.9
3 22	12 13.15	−26 7.9	1.605	2.541	9.7	19.8
4 1	12 5.62	−24 52.7	1.610	2.564	8.5	19.8
4 11	11 59.11	−23 18.1	1.641	2.587	9.2	19.9
4 21	11 54.42	−21 34.2	1.696	2.612	11.3	20.0
5 1	11 52.06	−19 51.3	1.774	2.636	13.8	20.2

491723 2012 UY_{162} 3 23.7 74°.41 3°.5/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.58	+ 8 38.2	2.228	3.095	10.4	20.8
3 2	12 28.09	+ 9 18.9	2.170	3.103	7.4	20.6
3 12	12 21.08	+ 9 59.7	2.139	3.111	4.6	20.4
3 22	12 13.22	+10 35.4	2.135	3.118	3.6	20.4
4 1	12 5.30	+11 1.2	2.161	3.126	5.7	20.5
4 11	11 58.13	+11 13.5	2.214	3.134	8.6	20.7
4 21	11 52.35	+11 10.9	2.291	3.142	11.4	20.9
5 1	11 48.39	+10 53.4	2.390	3.150	13.8	21.1

310972 2003 UE_{217} 3 23.7 112°.82 2°.2/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.13	+ 2 7.4	1.742	2.604	13.1	20.7
3 2	12 30.89	+ 2 59.4	1.688	2.620	9.2	20.5
3 12	12 22.71	+ 3 58.4	1.660	2.637	5.0	20.3
3 22	12 13.46	+ 4 57.5	1.659	2.653	2.2	20.2
4 1	12 4.19	+ 5 49.6	1.687	2.668	5.2	20.4
4 11	11 55.97	+ 6 28.8	1.743	2.683	9.2	20.7
4 21	11 49.56	+ 6 51.8	1.822	2.697	12.8	20.9
5 1	11 45.45	+ 6 57.4	1.923	2.711	15.8	21.1

523520 2017 OY_{36} 3 23.7 241°.22 3°.5/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.93	−12 9.0	2.082	2.891	13.3	21.1
3 2	12 30.89	−12 22.7	1.986	2.879	10.3	20.8
3 12	12 22.87	−12 20.7	1.915	2.867	7.0	20.6
3 22	12 13.51	−12 3.5	1.871	2.854	4.0	20.4
4 1	12 3.76	−11 34.0	1.855	2.840	4.1	20.4
4 11	11 54.63	−10 57.2	1.868	2.827	7.3	20.5
4 21	11 46.99	−10 18.7	1.907	2.813	10.8	20.7
5 1	11 41.49	− 9 44.4	1.969	2.798	14.0	20.9

88144 2000 WS_{181} 3 23.7 136°.20 5°.3/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.61	+12 39.6	2.200	3.069	10.4	19.8
3 2	12 28.14	+14 9.2	2.152	3.081	7.7	19.7
3 12	12 21.12	+15 36.3	2.131	3.092	5.6	19.5
3 22	12 13.23	+16 53.6	2.138	3.102	5.6	19.6
4 1	12 5.29	+17 54.5	2.174	3.112	7.6	19.7
4 11	11 58.13	+18 35.0	2.237	3.122	10.2	19.9
4 21	11 52.40	+18 53.9	2.322	3.131	12.7	20.1
5 1	11 48.52	+18 52.2	2.428	3.140	14.8	20.2

28388 1999 JM_{86} 3 23.7 87°.82 1°.7/21.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.70	+ 0 42.8	2.200	3.060	10.8	17.7
3 2	12 26.06	+ 1 53.6	2.142	3.074	7.5	17.5
3 12	12 19.96	+ 3 11.7	2.111	3.088	4.1	17.3
3 22	12 13.06	+ 4 31.2	2.108	3.102	1.8	17.2
4 1	12 6.11	+ 5 45.4	2.135	3.115	4.3	17.4
4 11	11 59.87	+ 6 48.5	2.191	3.129	7.7	17.6
4 21	11 54.94	+ 7 36.7	2.272	3.142	10.8	17.8
5 1	11 51.74	+ 8 8.1	2.374	3.156	13.4	18.0

505183 2012 TQ_{108} 3 23.7 113°.94 3°.2/27.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.63	−14 4.1	2.282	3.087	12.4	21.6
3 2	12 26.80	−13 47.0	2.204	3.093	9.6	21.4
3 12	12 20.43	−13 12.7	2.150	3.099	6.6	21.2
3 22	12 13.14	−12 23.3	2.123	3.105	3.8	21.0
4 1	12 5.71	−11 23.1	2.125	3.111	3.6	21.0
4 11	11 58.94	−10 17.8	2.155	3.117	6.2	21.2
4 21	11 53.48	− 9 13.6	2.212	3.122	9.3	21.4
5 1	11 49.79	− 8 15.8	2.293	3.128	12.1	21.6

201867 2003 YS_{146} 3 23.7 9°.78 8°.2/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.55	+18 3.0	1.578	2.460	13.1	18.6
3 2	12 27.90	+19 18.8	1.534	2.462	10.2	18.4
3 12	12 21.16	+20 25.5	1.514	2.466	8.4	18.3
3 22	12 13.25	+21 13.8	1.518	2.470	8.7	18.4
4 1	12 5.28	+21 36.8	1.547	2.476	10.8	18.5
4 11	11 58.40	+21 31.4	1.599	2.482	13.6	18.7
4 21	11 53.41	+20 58.9	1.670	2.489	16.4	18.9
5 1	11 50.81	+20 2.7	1.760	2.497	18.9	19.1

205664 2001 XZ_{173} 3 23.7 86°.20 2°.9/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 36.35	−11 3.0	1.448	2.283	16.7	20.3
3 2	12 30.73	−10 40.4	1.390	2.300	12.6	20.1
3 12	12 22.78	− 9 55.3	1.353	2.316	8.0	19.8
3 22	12 13.49	− 8 51.9	1.342	2.332	3.6	19.6
4 1	12 4.12	− 7 37.9	1.358	2.348	4.2	19.7
4 11	11 55.93	− 6 22.8	1.400	2.364	8.6	20.0
4 21	11 49.87	− 5 15.4	1.466	2.380	12.9	20.3
5 1	11 46.47	− 4 22.2	1.553	2.395	16.5	20.5

54342 2000 KF_{24} 3 23.7 275°.76 5°.4/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.43	+13 39.8	2.136	3.007	10.6	17.8
3 2	12 28.16	+14 40.6	2.071	3.000	7.9	17.6
3 12	12 21.21	+15 38.5	2.032	2.994	5.8	17.5
3 22	12 13.26	+16 26.8	2.021	2.987	5.6	17.5
4 1	12 5.16	+16 59.7	2.037	2.981	7.6	17.6
4 11	11 57.78	+17 13.5	2.080	2.975	10.4	17.7
4 21	11 51.85	+17 7.1	2.146	2.968	13.1	17.9
5 1	11 47.86	+16 41.5	2.231	2.962	15.5	18.1

158110 2001 AW_{21} 3 23.7 103°.73 2°.4/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.52	+ 3 36.1	1.947	2.811	11.8	20.2
3 2	12 28.95	+ 4 21.2	1.887	2.821	8.3	20.0
3 12	12 21.63	+ 5 11.4	1.853	2.830	4.6	19.8
3 22	12 13.32	+ 6 0.7	1.847	2.839	2.4	19.7
4 1	12 4.93	+ 6 43.2	1.869	2.848	5.1	19.9
4 11	11 57.40	+ 7 13.7	1.919	2.856	8.7	20.1
4 21	11 51.44	+ 7 29.4	1.994	2.865	12.0	20.3
5 1	11 47.53	+ 7 29.2	2.089	2.873	14.8	20.5

123569 2000 XC_{36} 3 23.7 183°.98 3°.1/26.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.66	−12 14.2	2.407	3.208	12.0	20.5
3 2	12 30.37	−12 21.8	2.320	3.209	9.2	20.3
3 12	12 22.43	−12 15.2	2.259	3.209	6.2	20.1
3 22	12 13.45	−11 55.6	2.225	3.208	3.5	19.9
4 1	12 4.24	−11 25.7	2.222	3.207	3.6	19.9
4 11	11 55.66	−10 50.0	2.247	3.205	6.3	20.1
4 21	11 48.40	−10 13.4	2.301	3.202	9.4	20.3
5 1	11 43.01	− 9 40.5	2.378	3.199	12.1	20.4

500569 2012 UB_{66} 3 23.7 107°.26 0°.9/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.07	− 0 14.5	2.490	3.340	10.0	22.1
3 2	12 26.89	+ 0 23.9	2.428	3.354	7.1	22.0
3 12	12 20.38	+ 1 8.8	2.392	3.368	3.8	21.8
3 22	12 13.14	+ 1 56.1	2.386	3.381	0.9	21.6
4 1	12 5.84	+ 2 41.1	2.410	3.395	3.4	21.8
4 11	11 59.20	+ 3 19.5	2.463	3.408	6.6	22.0
4 21	11 53.76	+ 3 48.1	2.542	3.420	9.5	22.2
5 1	11 49.92	+ 4 5.0	2.644	3.433	11.9	22.4

299318 2005 QX_{99} 3 23.7 141°.52 2°.5/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.65	−11 39.1	2.716	3.521	10.6	21.7
3 2	12 27.31	−11 36.9	2.636	3.527	8.1	21.5
3 12	12 20.64	−11 22.1	2.581	3.534	5.4	21.3
3 22	12 13.18	−10 56.5	2.555	3.540	2.9	21.2
4 1	12 5.59	−10 22.9	2.559	3.545	3.0	21.2
4 11	11 58.55	− 9 45.4	2.592	3.551	5.5	21.4
4 21	11 52.64	− 9 8.2	2.653	3.556	8.2	21.5
5 1	11 48.26	− 8 35.1	2.738	3.561	10.7	21.7

234872 2002 SO_{29} 3 23.7 222°.18 1°.6/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.46	+ 2 21.0	2.278	3.133	10.6	20.5
3 2	12 28.81	+ 2 48.1	2.199	3.128	7.5	20.3
3 12	12 21.56	+ 3 20.5	2.148	3.124	4.1	20.1
3 22	12 13.33	+ 3 53.8	2.124	3.118	1.6	19.9
4 1	12 4.92	+ 4 23.5	2.131	3.113	4.1	20.1
4 11	11 57.15	+ 4 45.2	2.166	3.108	7.6	20.3
4 21	11 50.72	+ 4 56.1	2.227	3.102	10.8	20.5
5 1	11 46.12	+ 4 54.6	2.310	3.096	13.5	20.7

65488 2003 DT_{8} 3 23.7 347°.44 0°.4/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.33	− 4 32.0	2.077	2.925	11.9	19.9
3 2	12 26.71	− 4 7.3	2.000	2.922	8.6	19.7
3 12	12 20.44	− 3 31.2	1.948	2.920	4.9	19.5
3 22	12 13.17	− 2 47.4	1.923	2.918	1.0	19.2
4 1	12 5.70	− 2 1.0	1.926	2.916	3.2	19.4
4 11	11 58.91	− 1 17.5	1.957	2.915	7.1	19.6
4 21	11 53.50	− 0 41.8	2.014	2.914	10.6	19.8
5 1	11 49.96	− 0 17.4	2.094	2.913	13.6	20.0

369274 2009 QD_{10} 3 23.7 179°.93 4°.1/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.14	+ 8 14.7	2.327	3.193	10.1	22.1
3 2	12 27.82	+ 9 52.0	2.263	3.195	7.2	21.9
3 12	12 20.99	+11 31.8	2.226	3.196	4.7	21.8
3 22	12 13.24	+13 6.7	2.220	3.196	4.3	21.7
4 1	12 5.36	+14 29.6	2.243	3.196	6.5	21.9
4 11	11 58.14	+15 35.0	2.295	3.195	9.3	22.0
4 21	11 52.21	+16 20.1	2.371	3.193	12.1	22.2
5 1	11 48.04	+16 44.5	2.467	3.191	14.4	22.4

114633 2003 EW_{21} 3 23.7 256°.61 3°.5/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 30.19	+ 7 7.7	2.287	3.157	10.0	19.7
3 2	12 25.74	+ 8 21.8	2.221	3.156	7.1	19.6
3 12	12 19.84	+ 9 38.8	2.182	3.155	4.4	19.4
3 22	12 13.08	+10 52.2	2.172	3.155	3.7	19.3
4 1	12 6.18	+11 55.9	2.191	3.154	5.8	19.5
4 11	11 59.92	+12 44.7	2.237	3.153	8.8	19.6
4 21	11 54.90	+13 15.9	2.308	3.152	11.6	19.8
5 1	11 51.58	+13 28.8	2.399	3.151	14.0	20.0

66204 1999 BA_{26} 3 23.7 56°.77 17°.2/ 6.6 18

2 21	12 38.28	+34 17.4	1.148	2.007	18.6	18.2
3 2	12 32.50	+37 21.7	1.161	2.037	17.3	18.2
3 12	12 23.76	+39 43.0	1.194	2.067	17.4	18.3
3 22	12 13.62	+41 9.8	1.246	2.097	18.5	18.4
4 1	12 3.93	+41 39.2	1.316	2.127	20.1	18.6
4 11	11 56.27	+41 16.7	1.401	2.158	21.8	18.9
4 21	11 51.51	+40 12.3	1.499	2.188	23.3	19.1
5 1	11 49.96	+38 36.2	1.607	2.218	24.5	19.3

414144 2007 VC_{285} 3 23.7 273°.72 4°.9/19.5 18

2 21	12 36.17	+ 8 14.8	1.542	2.419	13.6	20.9
3 2	12 30.73	+ 9 17.8	1.471	2.408	9.8	20.7
3 12	12 22.91	+10 24.0	1.423	2.396	6.2	20.4
3 22	12 13.56	+11 24.7	1.401	2.384	5.1	20.3
4 1	12 3.88	+12 10.9	1.406	2.373	8.0	20.5
4 11	11 55.15	+12 36.2	1.436	2.361	12.1	20.7
4 21	11 48.38	+12 37.8	1.488	2.349	16.0	20.9
5 1	11 44.25	+12 16.2	1.558	2.337	19.3	21.1

422314 2014 SD_{179} 3 23.7 139°.71 1°.0/22.7 18

2 21	12 35.33	− 1 47.8	1.930	2.782	12.4	22.6
3 2	12 29.55	− 0 50.7	1.867	2.793	8.8	22.4
3 12	12 21.99	+ 0 17.2	1.829	2.804	4.8	22.2
3 22	12 13.41	+ 1 29.6	1.819	2.815	1.0	21.9
4 1	12 4.74	+ 2 39.7	1.839	2.825	4.1	22.2
4 11	11 56.93	+ 3 40.5	1.887	2.834	8.2	22.4
4 21	11 50.73	+ 4 27.4	1.961	2.842	11.7	22.6
5 1	11 46.61	+ 4 57.7	2.056	2.850	14.7	22.9

286509 2002 CG_{23} 3 23.7 119°.99 5°.7/29.2 18

2 21	12 39.22	−19 14.8	1.868	2.646	15.8	20.8
3 2	12 32.47	−19 22.1	1.802	2.667	12.7	20.7
3 12	12 23.66	−19 5.4	1.758	2.686	9.4	20.5
3 22	12 13.66	−18 25.5	1.740	2.706	6.5	20.4
4 1	12 3.55	−17 26.3	1.749	2.724	5.8	20.4
4 11	11 54.46	−16 15.2	1.787	2.741	7.9	20.5
4 21	11 47.24	−15 0.5	1.850	2.758	10.9	20.7
5 1	11 42.42	−13 50.2	1.937	2.774	13.9	20.9

503171 2015 GC_{39} 3 23.7 148°.67 4°.9/17.8 17

2 21	12 33.10	+13 11.5	2.337	3.204	9.9	21.0
3 2	12 27.76	+14 13.7	2.280	3.208	7.4	20.9
3 12	12 20.93	+15 13.1	2.250	3.212	5.3	20.7
3 22	12 13.25	+16 3.7	2.248	3.215	5.1	20.7
4 1	12 5.50	+16 40.2	2.275	3.218	7.0	20.8
4 11	11 58.45	+16 59.3	2.328	3.221	9.5	21.0
4 21	11 52.73	+17 0.0	2.406	3.224	12.0	21.2
5 1	11 48.78	+16 43.0	2.503	3.227	14.2	21.3

166422 2002 PS_{1} 3 23.7 239°.28 1°.5/25.3 18

2 21	12 34.30	− 7 34.8	2.443	3.267	11.1	20.5
3 2	12 28.73	− 7 25.1	2.347	3.254	8.3	20.3
3 12	12 21.56	− 7 3.8	2.277	3.241	5.1	20.1
3 22	12 13.37	− 6 33.0	2.235	3.227	1.9	19.8
4 1	12 4.89	− 5 56.2	2.223	3.213	2.9	19.9
4 11	11 56.93	− 5 18.1	2.240	3.198	6.3	20.1
4 21	11 50.19	− 4 43.2	2.284	3.183	9.6	20.2
5 1	11 45.19	− 4 15.3	2.353	3.167	12.5	20.4

498598 2008 RS_{30} 3 23.7 213°.42 0°.3/24.0 17

2 21	12 34.61	− 4 3.6	2.314	3.152	11.1	22.3
3 2	12 28.95	− 3 41.2	2.228	3.146	8.1	22.1
3 12	12 21.67	− 3 8.7	2.168	3.139	4.6	21.9
3 22	12 13.38	− 2 29.4	2.136	3.132	0.9	21.6
4 1	12 4.86	− 1 47.7	2.135	3.124	3.1	21.7
4 11	11 56.95	− 1 8.6	2.162	3.116	6.8	22.0
4 21	11 50.34	− 0 36.4	2.217	3.108	10.2	22.1
5 1	11 45.56	− 0 14.4	2.294	3.099	13.1	22.3

229968 1999 TB_{235} 3 23.7 126°.03 0°.3/23.4 18

2 21	12 33.49	− 3 4.1	2.271	3.115	11.1	21.4
3 2	12 28.03	− 2 21.4	2.206	3.128	7.9	21.3
3 12	12 21.08	− 1 29.0	2.168	3.142	4.3	21.1
3 22	12 13.28	− 0 31.6	2.158	3.154	0.6	20.8
4 1	12 5.43	+ 0 25.5	2.179	3.167	3.3	21.0
4 11	11 58.29	+ 1 17.0	2.228	3.178	6.8	21.3
4 21	11 52.49	+ 1 58.6	2.304	3.190	10.0	21.5
5 1	11 48.47	+ 2 27.7	2.403	3.201	12.7	21.7

390039 2012 UC_{57} 3 23.7 104°.68 1°.7/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.87	− 9 24.8	2.425	3.247	11.2	21.4
3 2	12 26.84	− 9 2.2	2.354	3.259	8.4	21.2
3 12	12 20.42	− 8 26.5	2.309	3.271	5.2	21.0
3 22	12 13.19	− 7 40.7	2.292	3.283	2.2	20.8
4 1	12 5.87	− 6 49.0	2.304	3.294	2.8	20.9
4 11	11 59.20	− 5 56.5	2.345	3.305	5.9	21.1
4 21	11 53.76	− 5 8.0	2.414	3.317	8.9	21.3
5 1	11 49.97	− 4 27.5	2.506	3.328	11.6	21.5

457673 2009 DW_{50} 3 23.7 302°.90 0°.1/23.7 17

2 21	12 33.39	− 4 3.4	1.411	2.275	15.4	21.2
3 2	12 29.01	− 3 29.4	1.327	2.258	11.3	20.9
3 12	12 22.11	− 2 37.8	1.264	2.240	6.4	20.6
3 22	12 13.48	− 1 34.1	1.227	2.223	1.0	20.1
4 1	12 4.34	− 0 26.2	1.215	2.206	4.6	20.3
4 11	11 56.05	+ 0 36.1	1.229	2.189	10.1	20.6
4 21	11 49.75	+ 1 24.8	1.266	2.173	15.0	20.8
5 1	11 46.22	+ 1 54.7	1.321	2.157	19.2	21.0

426031 2011 QL_{12} 3 23.7 175°.91 12°.8/30.8 18

2 21	12 46.43	−24 55.0	1.158	1.935	23.6	20.8
3 2	12 39.36	−26 40.1	1.088	1.937	20.3	20.5
3 12	12 28.34	−27 51.4	1.035	1.938	16.8	20.3
3 22	12 14.46	−28 20.0	1.001	1.939	13.9	20.1
4 1	11 59.64	−28 2.4	0.990	1.940	12.9	20.1
4 11	11 46.21	−27 5.3	1.000	1.939	14.4	20.2
4 21	11 36.00	−25 42.6	1.032	1.938	17.6	20.3
5 1	11 30.05	−24 11.2	1.081	1.937	21.2	20.5

503491 2016 EH_{188} 3 23.7 338°.90 3°.5/26.9 17

2 21	12 32.16	−12 53.2	1.483	2.316	16.5	21.2
3 2	12 27.93	−12 30.6	1.406	2.313	12.7	20.9
3 12	12 21.40	−11 43.0	1.350	2.310	8.4	20.7
3 22	12 13.37	−10 33.3	1.319	2.307	4.4	20.4
4 1	12 5.03	− 9 8.5	1.314	2.304	4.4	20.4
4 11	11 57.62	− 7 38.6	1.335	2.302	8.6	20.6
4 21	11 52.14	− 6 13.9	1.379	2.300	13.0	20.9
5 1	11 49.25	− 5 2.7	1.445	2.298	16.9	21.1

317393 2002 PV_{48} 3 23.7 266°.09 4°.5/27.6 17

2 21	12 35.80	−14 56.9	1.844	2.650	14.9	21.1
3 2	12 30.44	−15 0.7	1.740	2.628	11.8	20.8
3 12	12 22.82	−14 43.3	1.659	2.605	8.4	20.6
3 22	12 13.60	−14 4.9	1.603	2.582	5.2	20.3
4 1	12 3.81	−13 8.7	1.575	2.559	5.0	20.2
4 11	11 54.62	−12 1.3	1.574	2.535	8.2	20.4
4 21	11 47.05	−10 50.8	1.598	2.510	12.1	20.5
5 1	11 41.89	− 9 45.5	1.645	2.485	15.8	20.7

30599 2052 P–L 3 23.7 182°.85 1°.2/24.8 18

2 21	12 35.87	− 7 58.2	1.803	2.638	13.9	20.3
3 2	12 30.20	− 7 13.4	1.725	2.639	10.3	20.1
3 12	12 22.49	− 6 10.9	1.672	2.640	6.1	19.8
3 22	12 13.53	− 4 55.2	1.645	2.639	1.8	19.5
4 1	12 4.33	− 3 33.5	1.648	2.638	3.6	19.6
4 11	11 55.98	− 2 14.2	1.678	2.637	8.0	19.9
4 21	11 49.33	− 1 4.6	1.735	2.634	12.0	20.1
5 1	11 44.97	− 0 10.1	1.813	2.631	15.5	20.3

313543 2003 AK_{77} 3 23.7 28°.63 2°.4/21.9 18

2 21	12 36.87	+ 3 20.0	1.433	2.307	14.7	19.3
3 2	12 31.15	+ 3 41.6	1.375	2.312	10.4	19.1
3 12	12 23.07	+ 4 9.2	1.341	2.318	5.7	18.8
3 22	12 13.61	+ 4 36.6	1.331	2.325	2.4	18.6
4 1	12 4.02	+ 4 56.9	1.349	2.332	5.7	18.8
4 11	11 55.60	+ 5 4.9	1.392	2.340	10.3	19.1
4 21	11 49.29	+ 4 57.6	1.457	2.348	14.4	19.4
5 1	11 45.66	+ 4 34.3	1.543	2.357	17.9	19.6

22804 1999 RZ_{1} 3 23.7 148°.50 0°.1/23.7 18

2 21	12 36.60	− 3 45.2	1.978	2.821	12.6	19.5
3 2	12 30.46	− 3 8.3	1.910	2.831	9.0	19.3
3 12	12 22.52	− 2 19.9	1.868	2.841	5.0	19.0
3 22	12 13.53	− 1 24.5	1.853	2.849	0.7	18.7
4 1	12 4.42	− 0 28.3	1.868	2.857	3.6	19.0
4 11	11 56.16	+ 0 22.5	1.912	2.865	7.6	19.2
4 21	11 49.49	+ 1 3.2	1.982	2.871	11.3	19.5
5 1	11 44.93	+ 1 30.4	2.074	2.877	14.3	19.7

231312 2006 BH_{255} 3 23.7 71°.29 0°.3/23.4 18

2 21	12 32.84	− 3 3.2	1.858	2.712	12.7	20.7
3 2	12 27.92	− 2 22.8	1.789	2.716	9.1	20.4
3 12	12 21.18	− 1 30.6	1.744	2.719	5.0	20.2
3 22	12 13.34	− 0 31.7	1.726	2.722	0.7	19.9
4 1	12 5.34	+ 0 27.6	1.737	2.725	3.8	20.1
4 11	11 58.15	+ 1 20.3	1.775	2.729	8.0	20.4
4 21	11 52.53	+ 2 1.5	1.838	2.732	11.7	20.6
5 1	11 48.99	+ 2 27.8	1.922	2.735	14.9	20.8

244681 2003 OY_{17} 3 23.7 161°.53 3°.0/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 37.41	+ 5 25.5	2.128	2.987	11.2	21.3
3 2	12 30.93	+ 6 23.9	2.065	2.995	7.9	21.1
3 12	12 22.74	+ 7 26.0	2.029	3.002	4.6	20.9
3 22	12 13.56	+ 8 25.5	2.021	3.009	3.1	20.8
4 1	12 4.30	+ 9 16.1	2.044	3.015	5.5	21.0
4 11	11 55.85	+ 9 53.1	2.095	3.019	8.8	21.2
4 21	11 48.93	+10 13.9	2.171	3.023	11.9	21.4
5 1	11 44.02	+10 17.7	2.269	3.026	14.6	21.6

210146 2006 SX_{59} 3 23.7 232°.84 0°.9/22.5 17

2 21	12 30.17	− 1 43.3	2.445	3.296	10.2	20.5
3 2	12 25.72	− 0 42.2	2.362	3.289	7.2	20.3
3 12	12 19.86	+ 0 28.5	2.306	3.282	3.9	20.1
3 22	12 13.14	+ 1 44.0	2.279	3.274	0.9	19.8
4 1	12 6.25	+ 2 58.4	2.282	3.267	3.6	20.0
4 11	11 59.89	+ 4 6.0	2.314	3.259	7.0	20.2
4 21	11 54.68	+ 5 2.2	2.373	3.251	10.1	20.4
5 1	11 51.07	+ 5 43.9	2.454	3.243	12.8	20.6

144713 2004 GF_{23} 3 23.7 34°.96 0°.5/23.3 18

2 21	12 33.68	− 2 40.5	1.317	2.188	15.9	20.2
3 2	12 28.97	− 2 4.7	1.265	2.199	11.4	19.9
3 12	12 21.89	− 1 14.4	1.234	2.211	6.2	19.7
3 22	12 13.45	− 0 16.5	1.228	2.224	0.9	19.3
4 1	12 4.92	+ 0 40.4	1.248	2.237	4.7	19.6
4 11	11 57.61	+ 1 27.8	1.293	2.252	9.8	20.0
4 21	11 52.42	+ 1 59.9	1.360	2.266	14.2	20.2
5 1	11 49.92	+ 2 13.7	1.447	2.281	17.9	20.5

224344 2005 UQ_{90} 3 23.7 40°.29 2°.9/26.1 18

2 21	12 34.49	− 9 57.3	1.561	2.399	15.6	19.6
3 2	12 29.38	− 9 56.2	1.497	2.408	11.8	19.4
3 12	12 22.09	− 9 36.1	1.454	2.417	7.5	19.2
3 22	12 13.49	− 8 59.9	1.437	2.427	3.5	19.0
4 1	12 4.71	− 8 13.1	1.447	2.437	4.1	19.0
4 11	11 56.95	− 7 23.2	1.483	2.448	8.2	19.3
4 21	11 51.09	− 6 37.4	1.543	2.458	12.2	19.5
5 1	11 47.72	− 6 1.6	1.624	2.470	15.7	19.8

203351 2001 VW_{29} 3 23.7 85°.09 1°.2/24.7 18

2 21	12 36.87	− 6 40.5	1.410	2.262	16.2	20.2
3 2	12 31.16	− 6 12.1	1.353	2.276	11.8	20.0
3 12	12 23.09	− 5 25.6	1.319	2.290	6.9	19.7
3 22	12 13.63	− 4 26.2	1.310	2.304	1.9	19.4
4 1	12 4.09	− 3 21.9	1.327	2.318	4.1	19.6
4 11	11 55.76	− 2 21.8	1.371	2.332	9.0	19.9
4 21	11 49.58	− 1 32.9	1.438	2.346	13.5	20.2
5 1	11 46.10	− 1 0.1	1.526	2.360	17.1	20.5

207126 2005 AD_{69} 3 23.7 109°.40 3°.4/20.3 18

2 21	12 35.94	+ 7 47.4	2.093	2.957	11.1	20.5
3 2	12 29.85	+ 8 28.1	2.037	2.969	7.9	20.4
3 12	12 22.12	+ 9 9.7	2.008	2.980	4.8	20.2
3 22	12 13.48	+ 9 46.3	2.006	2.992	3.5	20.1
4 1	12 4.80	+10 13.1	2.034	3.003	5.7	20.3
4 11	11 56.98	+10 26.1	2.090	3.013	8.9	20.5
4 21	11 50.68	+10 23.9	2.170	3.024	11.9	20.7
5 1	11 46.35	+10 6.4	2.271	3.034	14.4	20.9

129613 1998 BR_{6} 3 23.7 81°.01 2°.6/21.5 18

2 21	12 38.49	+ 1 42.7	1.470	2.337	14.7	20.0
3 2	12 31.98	+ 2 51.7	1.433	2.367	10.3	19.8
3 12	12 23.35	+ 4 8.2	1.420	2.398	5.6	19.6
3 22	12 13.65	+ 5 23.5	1.435	2.427	2.6	19.5
4 1	12 4.13	+ 6 28.7	1.476	2.457	5.9	19.8
4 11	11 55.94	+ 7 16.9	1.545	2.485	10.1	20.1
4 21	11 49.89	+ 7 45.1	1.636	2.513	13.9	20.4
5 1	11 46.38	+ 7 52.8	1.748	2.541	17.0	20.6

333822 2012 HO_{57} 3 23.7 331°.37 2°.6/21.5 17

2 21	12 34.34	+ 2 57.4	1.577	2.449	13.6	20.6
3 2	12 29.30	+ 3 44.8	1.509	2.446	9.6	20.4
3 12	12 22.08	+ 4 40.0	1.465	2.443	5.4	20.1
3 22	12 13.50	+ 5 35.8	1.447	2.440	2.7	19.9
4 1	12 4.70	+ 6 24.5	1.457	2.437	5.8	20.1
4 11	11 56.84	+ 6 59.2	1.492	2.435	10.2	20.4
4 21	11 50.83	+ 7 16.0	1.550	2.432	14.2	20.6
5 1	11 47.28	+ 7 13.4	1.627	2.430	17.6	20.8

123554 2000 XL_{30} 3 23.7 59°.52 1°.4/22.6 18

2 21	12 37.20	+ 1 9.1	1.653	2.516	13.6	19.5
3 2	12 31.02	+ 1 29.1	1.603	2.535	9.6	19.3
3 12	12 22.85	+ 1 56.2	1.578	2.554	5.2	19.1
3 22	12 13.60	+ 2 25.1	1.579	2.574	1.4	18.8
4 1	12 4.37	+ 2 50.2	1.608	2.594	4.6	19.1
4 11	11 56.25	+ 3 6.3	1.664	2.614	8.8	19.4
4 21	11 50.02	+ 3 10.4	1.744	2.634	12.5	19.7
5 1	11 46.16	+ 3 1.1	1.846	2.654	15.6	19.9

112773 2002 PD_{158} 3 23.7 156°.86 1°.5/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.52	+ 0 47.8	2.207	3.064	10.9	20.8
3 2	12 27.45	+ 1 35.9	2.137	3.067	7.7	20.6
3 12	12 20.84	+ 2 31.3	2.094	3.070	4.2	20.4
3 22	12 13.31	+ 3 28.9	2.078	3.073	1.5	20.2
4 1	12 5.65	+ 4 23.0	2.092	3.075	4.1	20.4
4 11	11 58.68	+ 5 8.2	2.135	3.077	7.6	20.6
4 21	11 53.03	+ 5 40.9	2.203	3.079	10.8	20.8
5 1	11 49.19	+ 5 59.1	2.293	3.081	13.6	21.0

253019 2002 RC_{195} 3 23.7 224°.50 0°.3/23.5 16

2 21	12 37.65	− 1 57.4	1.835	2.685	13.1	21.1
3 2	12 31.51	− 1 40.3	1.754	2.678	9.5	20.9
3 12	12 23.27	− 1 13.1	1.697	2.671	5.3	20.6
3 22	12 13.70	− 0 39.7	1.668	2.664	0.7	20.3
4 1	12 3.81	− 0 5.5	1.668	2.656	3.9	20.5
4 11	11 54.73	+ 0 23.7	1.695	2.648	8.4	20.7
4 21	11 47.34	+ 0 43.3	1.748	2.640	12.4	21.0
5 1	11 42.28	+ 0 50.2	1.822	2.631	15.8	21.2

108755 2001 OP_{44} 3 23.7 175°.10 2°.6/27.1 18

2 21	12 31.50	−13 5.9	2.706	3.506	10.8	20.4
3 2	12 26.57	−12 44.3	2.620	3.508	8.3	20.2
3 12	12 20.30	−12 8.2	2.560	3.510	5.6	20.0
3 22	12 13.24	−11 19.8	2.527	3.511	3.1	19.9
4 1	12 6.04	−10 22.7	2.525	3.512	3.0	19.8
4 11	11 59.36	− 9 21.8	2.552	3.512	5.5	20.0
4 21	11 53.79	− 8 22.0	2.607	3.512	8.3	20.2
5 1	11 49.74	− 7 28.0	2.687	3.512	10.8	20.4

188741 2005 UU_{141} 3 23.7 142°.78 2°.9/20.6 18

2 21	12 35.13	+ 5 19.8	2.173	3.035	10.9	21.0
3 2	12 29.27	+ 6 16.3	2.114	3.045	7.6	20.8
3 12	12 21.82	+ 7 16.1	2.081	3.055	4.4	20.6
3 22	12 13.47	+ 8 13.4	2.076	3.065	2.9	20.5
4 1	12 5.05	+ 9 2.3	2.102	3.073	5.3	20.7
4 11	11 57.41	+ 9 38.1	2.155	3.082	8.5	20.9
4 21	11 51.21	+ 9 58.3	2.234	3.089	11.5	21.1
5 1	11 46.91	+10 2.3	2.334	3.097	14.1	21.3

305963 2009 HS_{53} 3 23.7 245°.02 1°.1/22.3 17

2 21	12 30.51	+ 0 3.7	2.517	3.371	9.8	20.9
3 2	12 25.94	+ 0 51.1	2.435	3.363	6.9	20.7
3 12	12 19.99	+ 1 45.8	2.380	3.356	3.8	20.5
3 22	12 13.20	+ 2 43.5	2.353	3.348	1.1	20.2
4 1	12 6.24	+ 3 39.3	2.357	3.341	3.6	20.4
4 11	11 59.81	+ 4 28.1	2.389	3.333	6.9	20.6
4 21	11 54.50	+ 5 6.3	2.448	3.325	9.9	20.8
5 1	11 50.75	+ 5 31.4	2.529	3.316	12.5	21.0

374169 2004 VE_{60} 3 23.7 167°.80 1°.2/22.5 18

2 21	12 34.98	+ 0 46.3	2.136	2.990	11.3	20.8
3 2	12 29.26	+ 1 17.6	2.065	2.993	8.0	20.6
3 12	12 21.87	+ 1 55.8	2.019	2.995	4.4	20.4
3 22	12 13.49	+ 2 36.3	2.002	2.997	1.3	20.2
4 1	12 4.96	+ 3 14.0	2.014	2.998	4.0	20.4
4 11	11 57.16	+ 3 44.1	2.054	2.999	7.7	20.6
4 21	11 50.79	+ 4 3.1	2.120	3.000	11.0	20.8
5 1	11 46.36	+ 4 9.1	2.209	3.001	13.9	21.0

419003 2009 OC_{24} 3 23.7 242°.00 7°.3/30.4 17

2 21	12 36.16	−22 25.6	1.950	2.712	15.8	21.4
3 2	12 30.62	−22 57.0	1.856	2.702	13.2	21.2
3 12	12 22.89	−23 4.5	1.783	2.693	10.5	21.0
3 22	12 13.67	−22 46.4	1.734	2.683	8.1	20.8
4 1	12 3.99	−22 3.9	1.711	2.672	7.3	20.7
4 11	11 54.98	−21 2.4	1.714	2.662	8.8	20.8
4 21	11 47.64	−19 49.7	1.743	2.651	11.5	20.9
5 1	11 42.68	−18 34.7	1.795	2.640	14.5	21.1

348893 2006 SF_{301} 3 23.7 172°.07 0°.9/22.6 17

2 21	12 32.17	− 0 0.7	2.497	3.348	10.0	21.7
3 2	12 27.07	+ 0 33.1	2.423	3.350	7.1	21.5
3 12	12 20.60	+ 1 13.4	2.375	3.351	3.8	21.3
3 22	12 13.30	+ 1 56.5	2.357	3.352	0.9	21.0
4 1	12 5.87	+ 2 37.7	2.368	3.353	3.4	21.2
4 11	11 59.04	+ 3 12.8	2.408	3.353	6.7	21.4
4 21	11 53.38	+ 3 38.4	2.474	3.354	9.7	21.6
5 1	11 49.33	+ 3 52.6	2.563	3.354	12.2	21.8

464941 2005 UT_{397} 3 23.7 102°.09 3°.5/19.9 18

2 21	12 38.06	+ 8 14.5	2.287	3.145	10.5	22.0
3 2	12 31.11	+ 9 7.9	2.248	3.176	7.5	21.8
3 12	12 22.71	+10 1.1	2.236	3.207	4.6	21.7
3 22	12 13.60	+10 48.3	2.254	3.237	3.5	21.7
4 1	12 4.60	+11 24.7	2.302	3.266	5.6	21.8
4 11	11 56.51	+11 46.9	2.379	3.294	8.4	22.1
4 21	11 49.92	+11 53.9	2.481	3.321	11.0	22.3
5 1	11 45.20	+11 45.8	2.605	3.347	13.2	22.5

278992 2008 UN_{214} 3 23.7 107°.17 5°.3/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.40	−21 12.2	2.182	2.949	14.1	20.6
3 2	12 27.48	−20 58.9	2.105	2.960	11.5	20.5
3 12	12 20.91	−20 22.7	2.050	2.970	8.7	20.3
3 22	12 13.35	−19 24.6	2.021	2.981	6.2	20.2
4 1	12 5.66	−18 8.7	2.019	2.991	5.4	20.1
4 11	11 58.71	−16 41.7	2.046	3.002	6.9	20.3
4 21	11 53.21	−15 11.2	2.099	3.012	9.6	20.4
5 1	11 49.63	−13 44.9	2.177	3.022	12.3	20.6

475634 2006 UD_{240} 3 23.7 287°.46 1°.3/25.1 17

2 21	12 31.38	− 7 24.8	2.239	3.073	11.6	20.9
3 2	12 26.74	− 7 2.2	2.153	3.066	8.6	20.7
3 12	12 20.51	− 6 26.6	2.091	3.059	5.2	20.5
3 22	12 13.30	− 5 41.0	2.058	3.051	1.8	20.2
4 1	12 5.86	− 4 49.9	2.053	3.044	3.0	20.3
4 11	11 59.01	− 3 58.9	2.077	3.037	6.6	20.5
4 21	11 53.43	− 3 13.0	2.127	3.030	10.0	20.7
5 1	11 49.64	− 2 36.5	2.200	3.023	13.0	20.9

318011 2004 CV_{99} 3 23.7 36°.67 0°.5/23.1 17

2 21	12 31.63	− 0 7.3	2.624	3.474	9.6	19.9
3 2	12 26.58	+ 0 4.5	2.558	3.484	6.8	19.8
3 12	12 20.28	+ 0 21.8	2.519	3.494	3.7	19.6
3 22	12 13.25	+ 0 41.5	2.509	3.505	0.7	19.3
4 1	12 6.16	+ 1 0.2	2.528	3.516	3.0	19.5
4 11	11 59.66	+ 1 14.7	2.577	3.527	6.1	19.8
4 21	11 54.29	+ 1 22.3	2.652	3.538	8.9	20.0
5 1	11 50.43	+ 1 21.3	2.750	3.549	11.3	20.1

12199 Sohlman 3 23.7 168°.00 2°.4/26.2 18

2 21	12 34.73	−11 8.7	1.849	2.673	14.1	17.9
3 2	12 29.36	−10 37.7	1.772	2.676	10.7	17.7
3 12	12 22.05	− 9 47.4	1.718	2.679	6.8	17.4
3 22	12 13.53	− 8 41.2	1.691	2.681	3.1	17.2
4 1	12 4.80	− 7 25.1	1.693	2.683	3.6	17.2
4 11	11 56.90	− 6 7.2	1.722	2.684	7.5	17.5
4 21	11 50.64	− 4 55.0	1.778	2.685	11.3	17.7
5 1	11 46.60	− 3 54.6	1.856	2.686	14.7	17.9

88509 2001 QN_{149} 3 23.7 53°.08 5°.0/27.2 18

2 21	12 39.45	−12 53.4	1.531	2.351	16.7	18.7
3 2	12 33.06	−13 36.5	1.466	2.363	13.1	18.5
3 12	12 24.22	−13 59.5	1.424	2.374	9.0	18.3
3 22	12 13.86	−14 2.5	1.406	2.386	5.6	18.1
4 1	12 3.27	−13 48.1	1.415	2.398	5.5	18.1
4 11	11 53.80	−13 22.5	1.450	2.411	8.7	18.3
4 21	11 46.46	−12 53.0	1.509	2.423	12.5	18.6
5 1	11 41.90	−12 26.3	1.590	2.436	16.0	18.8

139883 2001 RO_{86} 3 23.7 111°.52 0°.1/23.8 18

2 21	12 31.57	− 4 4.1	2.291	3.135	11.0	19.6
3 2	12 26.73	− 3 25.7	2.221	3.142	7.9	19.4
3 12	12 20.43	− 2 36.9	2.176	3.148	4.4	19.2
3 22	12 13.28	− 1 41.8	2.159	3.155	0.7	18.9
4 1	12 6.01	− 0 45.7	2.172	3.161	3.1	19.1
4 11	11 59.40	+ 0 6.2	2.213	3.167	6.6	19.3
4 21	11 54.06	+ 0 49.3	2.281	3.173	9.9	19.5
5 1	11 50.43	+ 1 20.6	2.372	3.179	12.6	19.7

338064 2002 OF_{35} 3 23.7 161°.26 3°.4/27.5 17

2 21	12 33.79	−13 55.0	2.314	3.115	12.4	21.1
3 2	12 28.40	−13 53.9	2.232	3.118	9.7	20.9
3 12	12 21.41	−13 36.5	2.174	3.121	6.7	20.8
3 22	12 13.43	−13 4.4	2.143	3.123	4.0	20.6
4 1	12 5.26	−12 20.7	2.141	3.126	3.8	20.6
4 11	11 57.73	−11 30.8	2.168	3.128	6.3	20.7
4 21	11 51.53	−10 40.1	2.221	3.129	9.4	20.9
5 1	11 47.16	− 9 53.9	2.299	3.131	12.2	21.1

214266 2005 GA_{39} 3 23.7 152°.95 1°.8/21.9 18

2 21	12 34.27	− 0 9.1	1.759	2.621	13.0	20.4
3 2	12 29.02	+ 1 1.5	1.694	2.626	9.2	20.2
3 12	12 21.84	+ 2 23.1	1.653	2.630	4.9	19.9
3 22	12 13.50	+ 3 48.2	1.640	2.635	1.8	19.7
4 1	12 5.01	+ 5 8.4	1.656	2.639	5.0	19.9
4 11	11 57.41	+ 6 15.9	1.700	2.642	9.2	20.2
4 21	11 51.49	+ 7 5.7	1.767	2.645	13.0	20.4
5 1	11 47.80	+ 7 35.4	1.855	2.648	16.1	20.6

350990 2003 GE_{30} 3 23.7 316°.04 3°.0/20.5 17

2 21	12 31.91	+ 6 7.1	2.148	3.017	10.7	20.9
3 2	12 27.13	+ 6 52.2	2.074	3.009	7.6	20.7
3 12	12 20.73	+ 7 40.4	2.026	3.001	4.4	20.5
3 22	12 13.34	+ 8 26.3	2.006	2.994	3.1	20.4
4 1	12 5.76	+ 9 4.3	2.014	2.986	5.4	20.5
4 11	11 58.84	+ 9 29.7	2.050	2.979	8.7	20.7
4 21	11 53.27	+ 9 40.1	2.110	2.973	11.8	20.9
5 1	11 49.54	+ 9 34.3	2.191	2.966	14.5	21.1

177837 2005 NU_{69} 3 23.7 124°.64 3°.8/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.36	+ 9 16.9	2.446	3.314	9.5	20.5
3 2	12 26.50	+10 22.2	2.388	3.321	6.8	20.3
3 12	12 20.27	+11 27.8	2.358	3.327	4.4	20.2
3 22	12 13.26	+12 28.0	2.355	3.333	3.9	20.1
4 1	12 6.18	+13 17.5	2.382	3.339	5.9	20.3
4 11	11 59.73	+13 52.3	2.437	3.345	8.5	20.4
4 21	11 54.50	+14 10.6	2.516	3.351	11.1	20.6
5 1	11 50.89	+14 12.1	2.616	3.356	13.2	20.8

173282 1999 TC_{115} 3 23.7 110°.24 1°.6/25.0 18

2 21	12 40.38	− 6 43.1	1.835	2.666	13.9	20.8
3 2	12 33.22	− 6 40.8	1.775	2.686	10.2	20.6
3 12	12 24.08	− 6 24.9	1.740	2.706	6.1	20.4
3 22	12 13.83	− 5 58.5	1.733	2.726	2.1	20.2
4 1	12 3.55	− 5 26.5	1.755	2.745	3.5	20.4
4 11	11 54.30	− 4 54.4	1.805	2.763	7.5	20.6
4 21	11 46.90	− 4 27.4	1.882	2.781	11.3	20.9
5 1	11 41.85	− 4 9.4	1.981	2.798	14.4	21.1

508215 2015 GY_{23} 3 23.7 224°.91 6°.0/15.3 17

2 21	12 31.48	+17 38.9	2.505	3.371	9.4	21.4
3 2	12 26.64	+18 59.5	2.447	3.367	7.4	21.2
3 12	12 20.39	+20 15.0	2.416	3.362	6.1	21.1
3 22	12 13.28	+21 18.9	2.413	3.358	6.4	21.1
4 1	12 6.06	+22 5.9	2.438	3.353	8.1	21.2
4 11	11 59.44	+22 32.7	2.488	3.348	10.2	21.4
4 21	11 54.04	+22 38.7	2.562	3.343	12.4	21.5
5 1	11 50.31	+22 24.8	2.654	3.338	14.3	21.6

273158 2006 HV_{45} 3 23.7 215°.95 0°.7/22.9 17

2 21	12 32.32	− 2 3.0	2.083	2.936	11.6	21.0
3 2	12 27.45	− 1 16.7	2.006	2.933	8.3	20.8
3 12	12 20.92	− 0 20.0	1.955	2.931	4.5	20.6
3 22	12 13.37	+ 0 42.2	1.932	2.928	0.8	20.3
4 1	12 5.63	+ 1 43.8	1.938	2.925	3.8	20.5
4 11	11 58.58	+ 2 38.6	1.972	2.922	7.6	20.7
4 21	11 52.91	+ 3 21.9	2.032	2.919	11.1	21.0
5 1	11 49.14	+ 3 50.6	2.114	2.916	14.1	21.2

214829 2006 VF_{80} 3 23.7 274°.91 2°.8/20.4 17

2 21	12 31.55	+ 5 28.5	2.322	3.188	10.1	20.5
3 2	12 26.81	+ 6 20.5	2.242	3.175	7.2	20.3
3 12	12 20.54	+ 7 16.5	2.188	3.163	4.2	20.1
3 22	12 13.32	+ 8 11.2	2.163	3.151	2.8	20.0
4 1	12 5.90	+ 8 58.9	2.167	3.139	5.1	20.1
4 11	11 59.04	+ 9 35.0	2.198	3.126	8.3	20.3
4 21	11 53.42	+ 9 56.4	2.255	3.114	11.3	20.4
5 1	11 49.52	+10 1.9	2.333	3.101	13.9	20.6

401943 2002 GE_{115} 3 23.7 12°.00 1°.7/22.3 16

2 21	12 29.33	− 2 59.6	1.147	2.030	16.8	20.5
3 2	12 26.21	− 1 31.8	1.090	2.032	11.9	20.2
3 12	12 20.55	+ 0 16.7	1.054	2.034	6.4	19.9
3 22	12 13.34	+ 2 14.7	1.043	2.038	1.7	19.7
4 1	12 5.92	+ 4 8.2	1.056	2.043	6.1	19.9
4 11	11 59.69	+ 5 43.9	1.093	2.049	11.6	20.3
4 21	11 55.67	+ 6 53.2	1.151	2.055	16.4	20.6
5 1	11 54.46	+ 7 32.8	1.227	2.063	20.4	20.8

458889 2011 UH_{177} 3 23.7 196°.73 3°.0/26.5 17

2 21	12 35.84	−12 11.8	1.755	2.576	14.9	22.4
3 2	12 30.33	−11 47.4	1.673	2.574	11.4	22.2
3 12	12 22.68	−11 1.8	1.613	2.571	7.4	21.9
3 22	12 13.67	− 9 57.8	1.580	2.568	3.7	21.7
4 1	12 4.35	− 8 41.2	1.575	2.565	4.0	21.7
4 11	11 55.87	− 7 20.6	1.598	2.560	7.9	21.9
4 21	11 49.14	− 6 4.4	1.646	2.556	11.9	22.1
5 1	11 44.80	− 4 59.6	1.716	2.550	15.5	22.4

284391 2006 TQ_{23} 3 23.7 209°.24 4°.5/17.9 17

2 21	12 35.07	+14 46.2	2.791	3.649	8.8	21.1
3 2	12 29.04	+15 28.3	2.721	3.643	6.6	21.0
3 12	12 21.67	+16 6.8	2.680	3.637	4.9	20.9
3 22	12 13.50	+16 37.0	2.667	3.631	4.7	20.8
4 1	12 5.22	+16 54.9	2.684	3.624	6.3	20.9
4 11	11 57.52	+16 58.0	2.730	3.617	8.5	21.1
4 21	11 50.99	+16 45.7	2.800	3.609	10.8	21.2
5 1	11 46.04	+16 18.5	2.891	3.601	12.7	21.3

350367 2012 UX_{150} 3 23.7 152°.77 2°.6/26.9 17

2 21	12 30.90	−12 48.5	2.412	3.221	11.7	21.3
3 2	12 26.28	−12 22.0	2.330	3.223	9.0	21.1
3 12	12 20.22	−11 39.6	2.272	3.226	5.9	20.9
3 22	12 13.28	−10 43.6	2.242	3.228	3.2	20.7
4 1	12 6.20	− 9 38.5	2.242	3.230	3.2	20.7
4 11	11 59.71	− 8 29.9	2.270	3.232	6.0	20.9
4 21	11 54.43	− 7 23.7	2.325	3.234	9.0	21.1
5 1	11 50.81	− 6 24.8	2.405	3.235	11.7	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
253002 2002 RU_{39}			3 23.7 243°.73		2°.3/25.9 17	
	h m	° ′			°	m
2 21	12 35.25	−10 6.9	1.929	2.754	13.6	21.3
3 2	12 29.86	− 9 45.5	1.834	2.739	10.3	21.1
3 12	12 22.43	− 9 6.3	1.763	2.724	6.5	20.8
3 22	12 13.64	− 8 11.6	1.718	2.708	2.9	20.5
4 1	12 4.45	− 7 6.7	1.702	2.692	3.6	20.5
4 11	11 55.90	− 5 58.6	1.714	2.675	7.6	20.8
4 21	11 48.91	− 4 54.6	1.752	2.658	11.6	20.9
5 1	11 44.12	− 4 0.8	1.813	2.640	15.1	21.1
41119 1999 VV_{87}			3 23.7 254°.74		1°.5/21.9 18	
2 21	12 31.16	− 0 52.7	2.079	2.937	11.4	18.8
3 2	12 26.70	+ 0 23.4	1.994	2.925	8.1	18.6
3 12	12 20.56	+ 1 51.2	1.936	2.913	4.4	18.3
3 22	12 13.35	+ 3 24.4	1.906	2.901	1.5	18.1
4 1	12 5.88	+ 4 55.2	1.906	2.888	4.5	18.3
4 11	11 59.03	+ 6 16.2	1.934	2.876	8.4	18.5
4 21	11 53.53	+ 7 21.7	1.988	2.863	11.9	18.7
5 1	11 49.91	+ 8 8.4	2.063	2.850	14.9	18.9
464691 2001 XP_{79}			3 23.7 71°.81		4°.8/19.3 18	
2 21	12 37.05	+ 9 3.2	1.670	2.543	13.0	20.8
3 2	12 30.80	+10 14.4	1.638	2.573	9.2	20.6
3 12	12 22.68	+11 24.5	1.631	2.602	5.9	20.5
3 22	12 13.64	+12 25.2	1.652	2.632	5.0	20.5
4 1	12 4.76	+13 9.5	1.700	2.661	7.4	20.7
4 11	11 57.06	+13 33.5	1.773	2.689	10.7	21.0
4 21	11 51.25	+13 36.3	1.870	2.718	13.8	21.2
5 1	11 47.74	+13 19.5	1.986	2.746	16.3	21.5
203338 2001 UB_{41}			3 23.7 164°.91		1°.2/22.6 18	
2 21	12 37.13	− 1 5.4	1.764	2.618	13.3	21.5
3 2	12 31.09	− 0 11.5	1.696	2.624	9.5	21.3
3 12	12 23.01	+ 0 53.6	1.653	2.628	5.1	21.0
3 22	12 13.72	+ 2 3.6	1.637	2.633	1.3	20.8
4 1	12 4.25	+ 3 10.7	1.651	2.636	4.6	21.0
4 11	11 55.71	+ 4 7.7	1.692	2.639	8.9	21.3
4 21	11 48.94	+ 4 49.6	1.758	2.641	12.8	21.5
5 1	11 44.50	+ 5 13.7	1.845	2.642	16.1	21.7
382815 2003 UG_{346}			3 23.7 176°.73		0°.2/23.5 17	
2 21	12 33.25	− 2 53.8	2.202	3.049	11.3	22.1
3 2	12 28.03	− 2 18.1	2.127	3.050	8.1	21.9
3 12	12 21.22	− 1 32.4	2.077	3.051	4.5	21.7
3 22	12 13.44	− 0 40.9	2.055	3.051	0.6	21.4
4 1	12 5.51	+ 0 11.1	2.063	3.052	3.4	21.6
4 11	11 58.24	+ 0 58.0	2.100	3.052	7.1	21.9
4 21	11 52.32	+ 1 35.6	2.162	3.051	10.5	22.1
5 1	11 48.23	+ 2 0.9	2.248	3.051	13.3	22.3
109208 2001 QT_{82}			3 23.7 143°.32		4°.7/28.2 18	
2 21	12 38.00	−16 2.1	2.067	2.856	14.1	19.4
3 2	12 31.60	−16 23.6	1.989	2.864	11.2	19.2
3 12	12 23.28	−16 26.3	1.935	2.872	8.0	19.0
3 22	12 13.76	−16 10.7	1.907	2.879	5.4	18.8
4 1	12 4.02	−15 39.4	1.908	2.886	5.0	18.8
4 11	11 55.06	−14 57.6	1.937	2.893	7.3	19.0
4 21	11 47.71	−14 11.7	1.992	2.899	10.4	19.2
5 1	11 42.54	−13 27.9	2.071	2.904	13.3	19.4
6190 Rennes			3 23.7 155°.83		0°.6/24.4 18	
2 21	12 33.63	− 5 26.3	2.201	3.039	11.6	18.3
3 2	12 28.29	− 4 59.5	2.126	3.043	8.5	18.1
3 12	12 21.36	− 4 21.1	2.076	3.047	4.9	17.9
3 22	12 13.47	− 3 34.7	2.055	3.050	1.2	17.7
4 1	12 5.43	− 2 45.2	2.063	3.053	3.0	17.8
4 11	11 58.07	− 1 58.1	2.100	3.056	6.8	18.0
4 21	11 52.07	− 1 18.2	2.163	3.059	10.1	18.3
5 1	11 47.93	− 0 48.8	2.249	3.061	13.0	18.5
469844 2005 TK_{66}			3 23.7 231°.63		0°.7/24.6 17	
2 21	12 32.91	− 4 58.1	2.536	3.371	10.4	21.8
3 2	12 27.67	− 4 46.6	2.451	3.366	7.6	21.6
3 12	12 20.99	− 4 25.7	2.392	3.361	4.4	21.4
3 22	12 13.42	− 3 58.2	2.362	3.357	1.1	21.2
4 1	12 5.67	− 3 27.5	2.361	3.351	2.7	21.3
4 11	11 58.45	− 2 57.8	2.390	3.346	6.1	21.5
4 21	11 52.40	− 2 32.8	2.446	3.341	9.2	21.7
5 1	11 47.97	− 2 15.6	2.525	3.336	11.8	21.8
461529 2003 SE_{334}			3 23.7 122°.98		0°.9/24.6 18	
2 21	12 36.95	− 6 30.2	1.841	2.678	13.6	22.6
3 2	12 30.83	− 5 58.6	1.778	2.694	9.9	22.4
3 12	12 22.80	− 5 12.5	1.739	2.709	5.8	22.2
3 22	12 13.69	− 4 16.3	1.728	2.723	1.5	22.0
4 1	12 4.50	− 3 16.4	1.747	2.737	3.4	22.1
4 11	11 56.26	− 2 19.6	1.793	2.751	7.6	22.4
4 21	11 49.73	− 1 31.8	1.865	2.763	11.4	22.7
5 1	11 45.44	− 0 56.9	1.959	2.775	14.6	22.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
429839 2012 QC_{25}			3 23.7 298°.79		2°.4/25.6 17	
	h m	° ′			°	m
2 21	12 35.69	− 8 9.5	1.786	2.622	14.0	21.1
3 2	12 30.43	− 8 19.4	1.684	2.596	10.7	20.8
3 12	12 22.89	− 8 14.7	1.606	2.571	6.8	20.5
3 22	12 13.75	− 7 56.6	1.554	2.545	3.0	20.2
4 1	12 4.01	− 7 28.7	1.529	2.519	3.9	20.2
4 11	11 54.85	− 6 56.6	1.532	2.494	8.2	20.4
4 21	11 47.32	− 6 26.5	1.559	2.469	12.5	20.6
5 1	11 42.19	− 6 3.9	1.608	2.444	16.3	20.8
257172 2008 JF_{2}			3 23.7 36°.47		9°.5/16.3 18	
2 21	12 38.24	+20 7.1	1.415	2.291	14.6	19.7
3 2	12 32.14	+21 17.1	1.378	2.301	11.7	19.5
3 12	12 23.62	+22 13.9	1.363	2.310	9.7	19.4
3 22	12 13.80	+22 47.4	1.373	2.321	9.9	19.5
4 1	12 4.06	+22 51.2	1.406	2.331	12.0	19.6
4 11	11 55.72	+22 23.7	1.462	2.343	14.9	19.8
4 21	11 49.67	+21 28.0	1.538	2.354	17.7	20.0
5 1	11 46.40	+20 9.4	1.631	2.367	20.2	20.2
239110 2006 HJ_{80}			3 23.7 217°.42		0°.2/24.0 17	
2 21	12 32.64	− 4 25.4	2.334	3.175	11.0	21.3
3 2	12 27.57	− 3 51.7	2.250	3.169	8.0	21.1
3 12	12 20.97	− 3 7.2	2.192	3.164	4.5	20.9
3 22	12 13.42	− 2 15.5	2.162	3.158	0.8	20.6
4 1	12 5.67	− 1 21.6	2.162	3.151	3.0	20.8
4 11	11 58.50	− 0 30.9	2.190	3.145	6.7	21.0
4 21	11 52.58	+ 0 12.1	2.246	3.138	10.0	21.2
5 1	11 48.40	+ 0 43.9	2.324	3.130	12.9	21.4
205730 2002 AH_{151}			3 23.7 58°.05		3°.5/26.3 18	
2 21	12 37.83	−10 16.2	1.369	2.209	17.3	20.1
3 2	12 32.10	−10 29.4	1.306	2.217	13.1	19.9
3 12	12 23.77	−10 21.7	1.263	2.225	8.5	19.6
3 22	12 13.85	− 9 55.3	1.245	2.234	4.2	19.4
4 1	12 3.70	− 9 15.4	1.253	2.243	4.7	19.4
4 11	11 54.74	− 8 30.2	1.286	2.252	9.1	19.7
4 21	11 48.03	− 7 47.8	1.343	2.261	13.5	20.0
5 1	11 44.21	− 7 14.9	1.420	2.270	17.3	20.3
498368 2007 VT_{326}			3 23.7 151°.25		0°.2/23.5 17	
2 21	12 31.85	− 2 58.5	2.594	3.436	10.0	22.5
3 2	12 26.81	− 2 19.5	2.521	3.442	7.1	22.3
3 12	12 20.46	− 1 32.1	2.475	3.448	3.9	22.1
3 22	12 13.34	− 0 39.9	2.458	3.454	0.6	21.9
4 1	12 6.11	+ 0 12.5	2.471	3.459	2.9	22.1
4 11	11 59.47	+ 1 0.4	2.514	3.464	6.2	22.3
4 21	11 53.96	+ 1 40.0	2.584	3.469	9.1	22.5
5 1	11 50.00	+ 2 8.8	2.677	3.473	11.6	22.7
294540 2007 XD_{58}			3 23.7 102°.34		3°.5/27.6 17	
2 21	12 33.49	−13 54.9	2.365	3.165	12.2	20.7
3 2	12 28.16	−14 0.5	2.287	3.172	9.5	20.5
3 12	12 21.28	−13 50.5	2.233	3.179	6.6	20.4
3 22	12 13.47	−13 26.3	2.207	3.186	4.0	20.2
4 1	12 5.49	−12 50.8	2.209	3.193	3.8	20.2
4 11	11 58.16	−12 8.9	2.240	3.199	6.2	20.4
4 21	11 52.13	−11 25.7	2.298	3.206	9.1	20.5
5 1	11 47.88	−10 46.1	2.380	3.213	11.8	20.7
505603 2014 DM_{91}			3 23.7 324°.51		1°.3/25.0 17	
2 21	12 33.20	− 6 2.2	2.072	2.911	12.2	20.7
3 2	12 28.20	− 6 3.0	1.985	2.901	9.0	20.5
3 12	12 21.42	− 5 52.3	1.923	2.891	5.4	20.3
3 22	12 13.50	− 5 32.5	1.888	2.882	1.8	20.0
4 1	12 5.30	− 5 7.3	1.882	2.873	3.2	20.1
4 11	11 57.72	− 4 41.5	1.904	2.864	7.0	20.3
4 21	11 51.55	− 4 19.7	1.951	2.856	10.6	20.5
5 1	11 47.35	− 4 5.8	2.021	2.848	13.8	20.7
65589 1122 $T\text{-}3$			3 23.7 249°.16		3°.4/27.9 18	
2 21	12 31.11	−14 49.1	2.466	3.264	11.8	19.3
3 2	12 26.48	−14 38.5	2.376	3.259	9.3	19.2
3 12	12 20.37	−14 11.5	2.309	3.254	6.5	19.0
3 22	12 13.34	−13 29.6	2.270	3.249	4.0	18.8
4 1	12 6.09	−12 36.1	2.259	3.243	3.7	18.8
4 11	11 59.39	−11 36.2	2.278	3.238	6.0	18.9
4 21	11 53.87	−10 35.6	2.323	3.233	8.9	19.1
5 1	11 50.02	− 9 39.4	2.392	3.228	11.6	19.2
503225 2015 HC_{74}			3 23.7 103°.11		1°.0/25.0 17	
2 21	12 30.60	− 7 54.5	2.289	3.121	11.5	21.2
3 2	12 26.09	− 7 11.4	2.214	3.127	8.4	21.0
3 12	12 20.12	− 6 14.7	2.165	3.133	5.0	20.8
3 22	12 13.29	− 5 8.2	2.144	3.138	1.6	20.5
4 1	12 6.34	− 3 57.5	2.153	3.144	2.8	20.6
4 11	12 0.03	− 2 48.5	2.190	3.149	6.3	20.9
4 21	11 54.97	− 1 46.8	2.255	3.155	9.6	21.1
5 1	11 51.61	− 0 56.5	2.342	3.160	12.4	21.3

424675 2008 RB_{94} 3 23.7 142.°27 1.°0/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.66	+ 0 1.4	2.106	2.959	11.5	21.9
3 2	12 29.06	+ 0 33.2	2.037	2.965	8.1	21.7
3 12	12 21.79	+ 1 12.4	1.994	2.969	4.4	21.5
3 22	12 13.55	+ 1 54.7	1.979	2.974	1.1	21.2
4 1	12 5.17	+ 2 34.7	1.993	2.978	3.9	21.4
4 11	11 57.55	+ 3 7.4	2.035	2.982	7.6	21.7
4 21	11 51.37	+ 3 29.3	2.104	2.986	11.0	21.9
5 1	11 47.12	+ 3 38.2	2.194	2.990	13.8	22.1

194543 2001 XW_{63} 3 23.7 140.°00 4.°0/27.5 18

2 21	12 37.53	−14 42.8	1.806	2.611	15.2	20.4
3 2	12 31.40	−14 30.0	1.735	2.623	11.8	20.2
3 12	12 23.20	−13 55.5	1.686	2.635	8.1	20.0
3 22	12 13.77	−13 1.3	1.664	2.645	4.7	19.8
4 1	12 4.18	−11 52.7	1.669	2.655	4.5	19.8
4 11	11 55.53	−10 37.7	1.703	2.664	7.6	20.0
4 21	11 48.68	− 9 24.3	1.763	2.673	11.3	20.3
5 1	11 44.19	− 8 19.6	1.845	2.681	14.5	20.5

341778 2007 WH_{8} 3 23.8 40.°77 3.°4/20.8 17

2 21	12 35.62	+ 7 20.6	1.804	2.675	12.3	20.5
3 2	12 29.82	+ 7 49.1	1.756	2.691	8.7	20.3
3 12	12 22.21	+ 8 18.4	1.732	2.707	5.1	20.1
3 22	12 13.61	+ 8 42.9	1.736	2.723	3.5	20.0
4 1	12 5.04	+ 8 57.2	1.767	2.740	5.9	20.2
4 11	11 57.47	+ 8 57.9	1.825	2.758	9.4	20.4
4 21	11 51.61	+ 8 43.7	1.907	2.776	12.6	20.7
5 1	11 47.93	+ 8 14.8	2.010	2.794	15.3	20.9

106557 2000 WJ_{77} 3 23.8 235.°97 1.°0/24.6 18

2 21	12 37.63	− 6 0.3	1.934	2.769	13.1	19.9
3 2	12 31.57	− 5 38.5	1.839	2.754	9.7	19.7
3 12	12 23.41	− 5 2.4	1.769	2.738	5.7	19.4
3 22	12 13.84	− 4 15.5	1.727	2.721	1.5	19.1
4 1	12 3.83	− 3 22.9	1.713	2.704	3.5	19.2
4 11	11 54.49	− 2 31.2	1.729	2.685	7.9	19.4
4 21	11 46.73	− 1 46.5	1.770	2.666	12.0	19.6
5 1	11 41.23	− 1 13.6	1.833	2.646	15.5	19.8

208977 2002 YA_{10} 3 23.8 62.°06 6.°0/17.1 18

2 21	12 33.30	+14 43.5	2.009	2.882	11.1	19.8
3 2	12 28.07	+15 56.4	1.969	2.898	8.3	19.7
3 12	12 21.20	+17 4.0	1.955	2.914	6.3	19.6
3 22	12 13.47	+17 59.3	1.968	2.930	6.3	19.6
4 1	12 5.75	+18 36.3	2.009	2.946	8.2	19.7
4 11	11 58.93	+18 52.1	2.075	2.962	10.8	19.9
4 21	11 53.64	+18 46.5	2.163	2.979	13.3	20.1
5 1	11 50.31	+18 21.1	2.271	2.995	15.4	20.3

31194 1997 YQ_{16} 3 23.8 124.°10 1.°2/22.4 18

2 21	12 36.01	+ 0 14.9	2.241	3.090	11.1	19.6
3 2	12 29.84	+ 0 59.2	2.183	3.109	7.8	19.4
3 12	12 22.15	+ 1 50.3	2.152	3.127	4.2	19.2
3 22	12 13.62	+ 2 43.4	2.150	3.145	1.2	19.0
4 1	12 5.07	+ 3 32.9	2.178	3.162	3.9	19.2
4 11	11 57.32	+ 4 14.1	2.236	3.178	7.3	19.5
4 21	11 50.99	+ 4 43.6	2.320	3.194	10.4	19.7
5 1	11 46.51	+ 4 59.7	2.426	3.209	13.0	19.9

190395 1999 TR_{109} 3 23.8 139.°56 3.°4/27.5 17 R

2 21	12 35.10	−13 58.5	2.328	3.126	12.4	20.5
3 2	12 29.31	−13 56.3	2.251	3.136	9.7	20.3
3 12	12 21.93	−13 37.8	2.199	3.145	6.6	20.1
3 22	12 13.60	−13 4.7	2.174	3.154	4.0	19.9
4 1	12 5.12	−12 20.4	2.179	3.163	3.8	19.9
4 11	11 57.33	−11 30.1	2.212	3.171	6.3	20.1
4 21	11 50.90	−10 39.3	2.273	3.179	9.3	20.3
5 1	11 46.32	− 9 53.2	2.357	3.186	12.0	20.5

208449 2001 TK_{163} 3 23.8 312.°66 1.°7/22.2 17

2 21	12 37.33	+ 3 47.6	2.140	2.996	11.2	20.1
3 2	12 31.00	+ 3 53.8	2.065	2.994	8.0	19.9
3 12	12 22.91	+ 4 3.2	2.016	2.992	4.4	19.7
3 22	12 13.76	+ 4 12.1	1.996	2.989	1.7	19.5
4 1	12 4.43	+ 4 16.6	2.005	2.987	4.3	19.7
4 11	11 55.86	+ 4 13.2	2.043	2.985	7.9	19.9
4 21	11 48.76	+ 4 0.0	2.106	2.983	11.2	20.1
5 1	11 43.68	+ 3 35.9	2.192	2.981	14.1	20.3

56079 1999 AS_{2} 3 23.8 351.°93 3.°4/26.1 18

2 21	12 40.06	− 9 6.2	1.657	2.486	15.3	18.0
3 2	12 33.51	− 9 45.0	1.579	2.485	11.7	17.8
3 12	12 24.55	−10 9.2	1.525	2.484	7.6	17.5
3 22	12 14.03	−10 18.9	1.496	2.484	4.0	17.3
4 1	12 3.13	−10 16.6	1.495	2.483	4.5	17.3
4 11	11 53.15	−10 7.1	1.522	2.483	8.4	17.6
4 21	11 45.13	− 9 56.0	1.573	2.483	12.4	17.8
5 1	11 39.76	− 9 48.6	1.646	2.483	16.0	18.0

431590 2007 VT_{120} 3 23.8 205.°14 1.°3/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.44	+ 1 36.4	2.287	3.141	10.7	21.4
3 2	12 28.85	+ 2 0.3	2.211	3.139	7.6	21.2
3 12	12 21.69	+ 2 29.7	2.162	3.138	4.1	20.9
3 22	12 13.57	+ 3 0.7	2.141	3.136	1.3	20.7
4 1	12 5.30	+ 3 28.8	2.150	3.134	3.9	20.9
4 11	11 57.68	+ 3 49.8	2.187	3.131	7.4	21.1
4 21	11 51.38	+ 4 0.7	2.250	3.129	10.5	21.3
5 1	11 46.89	+ 3 59.8	2.336	3.127	13.3	21.5

127594 2003 BL_{12} 3 23.8 342.°83 8.°3/12.0 17

2 21	12 29.96	+20 48.2	2.026	2.899	11.0	19.0
3 2	12 25.92	+22 55.4	1.979	2.895	9.1	18.9
3 12	12 20.15	+24 54.1	1.960	2.892	8.3	18.8
3 22	12 13.34	+26 34.8	1.967	2.889	9.1	18.9
4 1	12 6.37	+27 49.9	2.000	2.886	11.0	19.0
4 11	12 0.14	+28 35.3	2.055	2.884	13.3	19.1
4 21	11 55.38	+28 51.3	2.131	2.881	15.5	19.3
5 1	11 52.59	+28 40.1	2.222	2.880	17.4	19.4

132824 Galamb 3 23.8 159.°86 1.°5/22.1 18

2 21	12 33.18	+ 1 7.3	2.260	3.116	10.7	21.2
3 2	12 27.94	+ 1 49.8	2.190	3.119	7.6	21.0
3 12	12 21.17	+ 2 39.0	2.145	3.122	4.1	20.8
3 22	12 13.49	+ 3 30.0	2.130	3.124	1.5	20.6
4 1	12 5.69	+ 4 17.5	2.144	3.127	4.0	20.8
4 11	11 58.56	+ 4 56.6	2.187	3.129	7.5	21.0
4 21	11 52.74	+ 5 23.9	2.255	3.131	10.6	21.2
5 1	11 48.70	+ 5 37.5	2.345	3.133	13.3	21.4

371112 2005 VH_{88} 3 23.8 169.°12 2.°5/21.2 17

2 21	12 34.41	+ 3 20.2	2.019	2.881	11.5	21.5
3 2	12 28.97	+ 4 16.1	1.951	2.884	8.1	21.3
3 12	12 21.79	+ 5 17.8	1.910	2.886	4.5	21.1
3 22	12 13.59	+ 6 19.4	1.896	2.888	2.5	21.0
4 1	12 5.24	+ 7 14.2	1.912	2.889	5.1	21.1
4 11	11 57.66	+ 7 56.7	1.956	2.890	8.7	21.4
4 21	11 51.58	+ 8 23.6	2.024	2.891	12.1	21.6
5 1	11 47.49	+ 8 33.4	2.113	2.891	14.9	21.8

468269 2015 CK_{1} 3 23.8 94.°30 1.°4/22.3 17

2 21	12 32.93	− 0 16.9	1.945	2.804	12.0	20.8
3 2	12 27.91	+ 0 37.6	1.883	2.814	8.5	20.6
3 12	12 21.19	+ 1 41.1	1.847	2.824	4.6	20.4
3 22	12 13.49	+ 2 47.7	1.839	2.834	1.4	20.2
4 1	12 5.71	+ 3 50.5	1.859	2.843	4.3	20.4
4 11	11 58.74	+ 4 43.4	1.907	2.853	8.2	20.6
4 21	11 53.28	+ 5 22.1	1.981	2.863	11.6	20.9
5 1	11 49.80	+ 5 44.5	2.075	2.872	14.5	21.1

109664 2001 RX_{18} 3 23.8 124.°15 4.°2/27.3 18

2 21	12 39.04	−13 23.7	1.902	2.707	14.5	19.9
3 2	12 32.46	−13 48.9	1.828	2.716	11.3	19.7
3 12	12 23.82	−13 56.4	1.778	2.725	7.8	19.5
3 22	12 13.91	−13 46.8	1.754	2.734	4.8	19.3
4 1	12 3.76	−13 22.8	1.759	2.742	4.7	19.3
4 11	11 54.50	−12 49.9	1.791	2.750	7.6	19.5
4 21	11 46.97	−12 14.3	1.850	2.757	11.0	19.7
5 1	11 41.79	−11 41.9	1.931	2.765	14.1	19.9

100661 1997 WZ_{26} 3 23.8 82.°37 4.°2/19.8 18

2 21	12 36.68	+ 7 49.4	1.759	2.629	12.5	20.3
3 2	12 30.56	+ 8 53.2	1.719	2.653	8.9	20.1
3 12	12 22.60	+ 9 57.7	1.704	2.677	5.5	19.9
3 22	12 13.70	+10 55.1	1.717	2.700	4.3	19.9
4 1	12 4.87	+11 38.9	1.758	2.723	6.7	20.1
4 11	11 57.13	+12 4.5	1.825	2.746	10.1	20.4
4 21	11 51.19	+12 10.7	1.916	2.769	13.2	20.6
5 1	11 47.47	+11 58.1	2.026	2.791	15.9	20.8

31893 Rodriguezalvarez 3 23.8 258.°10 5.°3/19.3 18

2 21	12 38.61	+ 9 19.1	1.570	2.443	13.6	19.2
3 2	12 32.63	+10 24.3	1.491	2.426	10.0	18.9
3 12	12 24.14	+11 32.2	1.437	2.408	6.5	18.7
3 22	12 13.98	+12 33.7	1.409	2.390	5.5	18.6
4 1	12 3.36	+13 19.6	1.408	2.371	8.4	18.7
4 11	11 53.65	+13 43.3	1.433	2.352	12.5	18.9
4 21	11 45.92	+13 42.2	1.479	2.332	16.5	19.1
5 1	11 40.92	+13 16.8	1.544	2.312	19.9	19.3

458783 2011 SE_{119} 3 23.8 188.°45 0.°6/24.3 18

2 21	12 35.68	− 6 41.1	1.820	2.659	13.6	21.9
3 2	12 30.11	− 5 47.0	1.741	2.659	10.0	21.7
3 12	12 22.54	− 4 35.9	1.687	2.658	5.7	21.4
3 22	12 13.72	− 3 13.1	1.661	2.656	1.2	21.1
4 1	12 4.66	− 1 46.0	1.663	2.654	3.7	21.3
4 11	11 56.41	− 0 23.4	1.694	2.650	8.1	21.5
4 21	11 49.84	+ 0 47.7	1.751	2.647	12.2	21.8
5 1	11 45.52	+ 1 42.2	1.830	2.642	15.6	22.0

297323 1999 TE_{211} 3 23.8 245°.41 15°.3/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.88	−38 35.5	1.141	1.853	27.3	19.8
3 2	12 30.44	−38 52.7	1.060	1.848	24.8	19.6
3 12	12 23.43	−38 13.0	0.989	1.842	21.8	19.4
3 22	12 13.91	−36 25.9	0.933	1.836	18.5	19.1
4 1	12 3.74	−33 28.1	0.897	1.830	16.0	18.9
4 11	11 55.02	−29 31.0	0.881	1.824	15.4	18.9
4 21	11 49.36	−24 58.9	0.888	1.817	17.3	19.0
5 1	11 47.65	−20 21.9	0.918	1.811	20.8	19.1

138682 2000 SJ_{34} 3 23.8 143°.48 2°.3/21.0 18

2 21	12 33.57	+ 5 26.5	2.544	3.403	9.6	20.0
3 2	12 28.05	+ 6 0.0	2.478	3.408	6.8	19.8
3 12	12 21.17	+ 6 35.8	2.438	3.413	3.9	19.7
3 22	12 13.51	+ 7 9.8	2.428	3.418	2.3	19.6
4 1	12 5.75	+ 7 37.7	2.448	3.422	4.4	19.7
4 11	11 58.63	+ 7 56.0	2.496	3.427	7.3	19.9
4 21	11 52.71	+ 8 2.8	2.570	3.431	10.0	20.1
5 1	11 48.40	+ 7 57.0	2.667	3.435	12.4	20.2

396708 2002 UM_{74} 3 23.8 211°.32 2°.6/21.5 14 C

2 21	12 39.16	+ 2 53.8	1.807	2.665	12.8	22.8
3 2	12 32.67	+ 3 48.3	1.727	2.657	9.2	22.5
3 12	12 24.02	+ 4 50.7	1.673	2.649	5.1	22.3
3 22	12 13.97	+ 5 54.2	1.647	2.639	2.6	22.1
4 1	12 3.59	+ 6 51.4	1.650	2.629	5.6	22.2
4 11	11 54.05	+ 7 35.3	1.681	2.617	9.8	22.5
4 21	11 46.26	+ 8 1.9	1.737	2.604	13.7	22.7
5 1	11 40.88	+ 8 9.6	1.813	2.591	17.0	22.9

377393 2004 RK_{338} 3 23.8 185°.59 1°.0/22.7 17

2 21	12 35.20	− 0 3.8	2.207	3.057	11.1	22.2
3 2	12 29.45	+ 0 27.6	2.131	3.057	7.9	22.0
3 12	12 22.05	+ 1 6.4	2.081	3.057	4.3	21.8
3 22	12 13.65	+ 1 48.4	2.060	3.056	1.0	21.6
4 1	12 5.09	+ 2 28.5	2.069	3.055	3.8	21.8
4 11	11 57.21	+ 3 1.9	2.107	3.053	7.4	22.0
4 21	11 50.71	+ 3 24.8	2.170	3.051	10.8	22.2
5 1	11 46.10	+ 3 35.3	2.256	3.048	13.6	22.4

274413 2008 SC_{3} 3 23.8 267°.06 1°.4/22.5 17

2 21	12 36.39	+ 1 28.8	1.928	2.785	12.2	20.2
3 2	12 30.58	+ 1 48.3	1.846	2.776	8.7	19.9
3 12	12 22.80	+ 2 14.5	1.790	2.766	4.8	19.7
3 22	12 13.78	+ 2 42.9	1.761	2.756	1.4	19.4
4 1	12 4.47	+ 3 8.4	1.761	2.746	4.4	19.6
4 11	11 55.89	+ 3 26.0	1.789	2.736	8.5	19.8
4 21	11 48.90	+ 3 32.2	1.842	2.726	12.2	20.0
5 1	11 44.09	+ 3 25.0	1.916	2.716	15.4	20.2

505284 2012 VM_{74} 3 23.8 351°.51 5°.2/29.5 17

2 21	12 31.57	−18 59.2	2.110	2.893	14.0	20.7
3 2	12 27.07	−19 3.9	2.024	2.891	11.4	20.5
3 12	12 20.83	−18 47.3	1.961	2.890	8.5	20.4
3 22	12 13.48	−18 10.1	1.924	2.889	6.0	20.2
4 1	12 5.89	−17 15.2	1.913	2.888	5.3	20.1
4 11	11 58.96	−16 8.7	1.929	2.887	7.1	20.3
4 21	11 53.45	−14 57.6	1.972	2.887	10.0	20.4
5 1	11 49.91	−13 49.0	2.038	2.887	12.9	20.6

297450 2000 SS_{249} 3 23.8 177°.31 1°.5/21.8 18

2 21	12 31.60	+ 2 8.9	2.849	3.701	8.9	21.2
3 2	12 26.58	+ 2 51.3	2.775	3.703	6.2	21.0
3 12	12 20.34	+ 3 38.5	2.728	3.704	3.4	20.9
3 22	12 13.40	+ 4 26.5	2.711	3.705	1.5	20.7
4 1	12 6.34	+ 5 11.1	2.725	3.705	3.5	20.9
4 11	11 59.80	+ 5 48.4	2.768	3.705	6.4	21.0
4 21	11 54.27	+ 6 15.8	2.838	3.705	9.0	21.2
5 1	11 50.17	+ 6 31.5	2.931	3.704	11.3	21.4

127702 2003 ES_{24} 3 23.8 324°.98 2°.7/20.7 18

2 21	12 29.33	+ 2 55.7	1.939	2.810	11.5	19.1
3 2	12 25.51	+ 4 6.4	1.860	2.798	8.1	18.8
3 12	12 19.97	+ 5 25.3	1.808	2.785	4.5	18.6
3 22	12 13.35	+ 6 45.6	1.783	2.773	2.7	18.5
4 1	12 6.49	+ 7 59.6	1.785	2.762	5.5	18.6
4 11	12 0.27	+ 9 0.4	1.815	2.751	9.2	18.8
4 21	11 55.45	+ 9 43.3	1.869	2.740	12.7	19.0
5 1	11 52.57	+10 6.3	1.943	2.730	15.7	19.2

485132 2010 NH_{3} 3 23.8 279°.86 18°.6/ 6.1 18

2 21	12 39.51	−36 38.7	1.195	1.907	26.3	20.5
3 2	12 34.88	−38 47.4	1.119	1.898	24.2	20.3
3 12	12 26.22	−40 16.3	1.055	1.890	22.0	20.1
3 22	12 14.41	−40 53.2	1.007	1.881	20.0	19.9
4 1	12 1.28	−40 30.1	0.976	1.872	18.8	19.8
4 11	11 49.25	−39 9.0	0.962	1.864	18.8	19.7
4 21	11 40.43	−37 2.2	0.965	1.855	20.1	19.8
5 1	11 36.12	−34 29.0	0.986	1.846	22.4	19.9

239445 2007 TO_{180} 3 23.8 322°.96 0°.1/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.41	− 3 29.5	1.735	2.593	13.3	19.9
3 2	12 27.21	− 2 56.1	1.651	2.580	9.6	19.7
3 12	12 21.02	− 2 9.1	1.591	2.567	5.4	19.4
3 22	12 13.53	− 1 13.3	1.558	2.554	0.8	19.0
4 1	12 5.70	− 0 15.3	1.552	2.542	3.9	19.2
4 11	11 58.60	+ 0 37.6	1.573	2.530	8.5	19.5
4 21	11 53.10	+ 1 19.4	1.617	2.519	12.6	19.7
5 1	11 49.82	+ 1 45.8	1.683	2.508	16.2	19.9

190053 2004 RH_{182} 3 23.8 289°.84 1°.2/24.9 17

2 21	12 33.67	− 7 28.8	1.826	2.666	13.6	20.5
3 2	12 28.98	− 6 56.4	1.717	2.634	10.2	20.2
3 12	12 22.12	− 6 5.9	1.633	2.602	6.1	19.9
3 22	12 13.72	− 5 0.4	1.575	2.569	1.9	19.6
4 1	12 4.72	− 3 46.0	1.545	2.536	3.7	19.6
4 11	11 56.23	− 2 30.6	1.542	2.502	8.4	19.8
4 21	11 49.26	− 1 22.2	1.565	2.469	12.8	20.0
5 1	11 44.58	− 0 27.3	1.609	2.435	16.8	20.2

149643 2004 FJ_{23} 3 23.8 318°.68 0°.1/23.9 17

2 21	12 31.61	− 3 44.6	2.011	2.862	12.1	20.5
3 2	12 27.09	− 3 14.5	1.930	2.854	8.7	20.3
3 12	12 20.84	− 2 32.9	1.873	2.847	4.9	20.0
3 22	12 13.50	− 1 43.7	1.843	2.839	0.8	19.7
4 1	12 5.91	− 0 52.5	1.842	2.832	3.4	19.9
4 11	11 58.99	− 0 5.4	1.869	2.825	7.5	20.2
4 21	11 53.47	+ 0 32.7	1.921	2.818	11.1	20.4
5 1	11 49.90	+ 0 58.1	1.994	2.812	14.3	20.6

429318 2010 EO_{72} 3 23.8 103°.44 0°.4/23.3 17

2 21	12 32.49	− 2 36.6	2.085	2.936	11.7	21.4
3 2	12 27.57	− 1 55.5	2.015	2.941	8.3	21.2
3 12	12 21.02	− 1 4.0	1.972	2.946	4.6	21.0
3 22	12 13.52	− 0 7.1	1.956	2.952	0.7	20.7
4 1	12 5.89	+ 0 49.5	1.969	2.957	3.5	21.0
4 11	11 58.98	+ 1 39.9	2.010	2.962	7.4	21.2
4 21	11 53.47	+ 2 19.7	2.077	2.968	10.8	21.4
5 1	11 49.83	+ 2 45.9	2.167	2.973	13.7	21.6

505305 2012 XA_{40} 3 23.8 164°.50 1°.1/22.3 17

2 21	12 31.88	+ 0 41.2	2.912	3.759	8.8	22.7
3 2	12 26.75	+ 1 22.4	2.839	3.765	6.2	22.5
3 12	12 20.44	+ 2 9.0	2.794	3.769	3.4	22.3
3 22	12 13.44	+ 2 57.3	2.779	3.773	1.1	22.2
4 1	12 6.36	+ 3 43.2	2.795	3.777	3.2	22.3
4 11	11 59.78	+ 4 22.8	2.840	3.781	6.0	22.5
4 21	11 54.22	+ 4 53.4	2.912	3.783	8.7	22.7
5 1	11 50.05	+ 5 13.1	3.009	3.786	10.9	22.9

1716 Peter 3 23.8 347°.77 3°.2/26.8 18 R

2 21	12 31.93	−12 1.6	1.674	2.504	15.1	15.9
3 2	12 27.64	−11 47.9	1.595	2.501	11.6	15.7
3 12	12 21.27	−11 13.2	1.539	2.498	7.6	15.5
3 22	12 13.59	−10 20.2	1.508	2.495	3.9	15.2
4 1	12 5.62	− 9 14.3	1.503	2.493	4.1	15.2
4 11	11 58.48	− 8 3.8	1.525	2.491	7.9	15.5
4 21	11 53.03	− 6 56.6	1.572	2.490	11.9	15.7
5 1	11 49.91	− 5 59.9	1.641	2.489	15.4	15.9

384205 2009 BE_{183} 3 23.8 91°.28 0°.7/22.9 17

2 21	12 32.87	− 1 32.1	2.258	3.108	10.9	21.8
3 2	12 27.65	− 0 50.7	2.200	3.126	7.7	21.6
3 12	12 20.99	− 0 1.3	2.168	3.143	4.2	21.4
3 22	12 13.53	+ 0 51.7	2.164	3.160	0.8	21.2
4 1	12 6.03	+ 1 43.0	2.190	3.177	3.4	21.4
4 11	11 59.26	+ 2 27.5	2.245	3.194	6.9	21.7
4 21	11 53.81	+ 3 1.6	2.326	3.210	10.0	21.9
5 1	11 50.11	+ 3 23.1	2.429	3.226	12.6	22.1

501372 2013 YS_{47} 3 23.8 37°.54 3°.8/19.8 17

2 21	12 32.31	+ 7 25.4	1.885	2.760	11.6	21.0
3 2	12 27.52	+ 8 23.7	1.832	2.768	8.3	20.8
3 12	12 21.01	+ 9 23.9	1.804	2.778	5.0	20.6
3 22	12 13.54	+10 19.1	1.803	2.787	3.9	20.6
4 1	12 6.00	+11 2.7	1.830	2.797	6.3	20.7
4 11	11 59.31	+11 30.1	1.883	2.808	9.6	20.9
4 21	11 54.16	+11 39.3	1.960	2.818	12.8	21.2
5 1	11 51.03	+11 30.0	2.056	2.829	15.4	21.4

321984 2010 UZ_{54} 3 23.8 248°.68 0°.5/24.5 18

2 21	12 30.94	− 5 13.2	3.165	3.993	8.7	21.7
3 2	12 26.13	− 4 47.3	3.062	3.975	6.4	21.5
3 12	12 20.15	− 4 12.8	2.987	3.956	3.7	21.3
3 22	12 13.42	− 3 32.3	2.941	3.936	0.9	21.1
4 1	12 6.48	− 2 48.9	2.926	3.916	2.3	21.2
4 11	11 59.91	− 2 6.5	2.941	3.895	5.2	21.3
4 21	11 54.20	− 1 28.4	2.985	3.875	7.9	21.5
5 1	11 49.78	− 0 57.6	3.053	3.853	10.2	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
199623 2006 FV_{45}			3 23.8	24°.91	0°.1/23.8	17
	h m	° ′			°	m
2 21	12 31.09	− 5 3.1	1.723	2.578	13.5	20.0
3 2	12 26.87	− 4 9.7	1.655	2.581	9.8	19.8
3 12	12 20.76	− 3 1.0	1.611	2.585	5.5	19.5
3 22	12 13.51	− 1 42.8	1.593	2.589	0.9	19.2
4 1	12 6.10	− 0 23.0	1.603	2.593	3.8	19.4
4 11	11 59.53	+ 0 50.3	1.641	2.598	8.2	19.7
4 21	11 54.57	+ 1 50.5	1.702	2.603	12.2	20.0
5 1	11 51.76	+ 2 33.5	1.786	2.608	15.5	20.2
499104 2009 GA_{5}			3 23.8	289°.36	0°.4/23.4	17
2 21	12 33.65	− 3 36.1	1.509	2.371	14.7	21.9
3 2	12 29.15	− 2 50.4	1.423	2.354	10.7	21.6
3 12	12 22.27	− 1 47.8	1.361	2.337	6.0	21.3
3 22	12 13.78	− 0 33.9	1.323	2.319	0.9	20.9
4 1	12 4.80	+ 0 42.7	1.313	2.302	4.6	21.1
4 11	11 56.62	+ 1 52.4	1.328	2.285	9.8	21.4
4 21	11 50.31	+ 2 47.5	1.367	2.268	14.5	21.6
5 1	11 46.62	+ 3 23.0	1.425	2.252	18.5	21.8
361176 2006 PF_{6}			3 23.8	209°.29	1°.4/22.4	16
2 21	12 35.93	+ 0 1.1	1.976	2.830	12.1	21.9
3 2	12 30.20	+ 0 50.2	1.896	2.824	8.6	21.6
3 12	12 22.60	+ 1 48.9	1.842	2.818	4.7	21.4
3 22	12 13.80	+ 2 51.5	1.816	2.811	1.4	21.1
4 1	12 4.75	+ 3 51.3	1.820	2.803	4.4	21.3
4 11	11 56.43	+ 4 42.1	1.851	2.795	8.5	21.6
4 21	11 49.65	+ 5 19.2	1.908	2.786	12.2	21.8
5 1	11 44.97	+ 5 39.9	1.987	2.777	15.3	22.0
504156 2006 SL_{268}			3 23.8	157°.13	2°.1/26.6	17
2 21	12 31.48	−11 25.7	2.804	3.611	10.3	22.4
3 2	12 26.55	−11 2.9	2.723	3.617	7.8	22.2
3 12	12 20.37	−10 27.4	2.667	3.622	5.1	22.0
3 22	12 13.45	− 9 41.3	2.640	3.627	2.5	21.9
4 1	12 6.41	− 8 48.3	2.643	3.632	2.7	21.9
4 11	11 59.89	− 7 52.8	2.676	3.636	5.3	22.1
4 21	11 54.43	− 6 59.5	2.737	3.640	8.0	22.3
5 1	11 50.42	− 6 12.2	2.822	3.643	10.4	22.4
212295 2005 MT_{54}			3 23.8	348°.64	7°.1/30.7	18
2 21	12 34.23	−22 12.3	2.055	2.817	15.0	19.7
3 2	12 29.15	−22 54.7	1.969	2.814	12.6	19.6
3 12	12 22.09	−23 15.3	1.904	2.811	10.0	19.4
3 22	12 13.74	−23 12.6	1.863	2.809	7.9	19.3
4 1	12 5.02	−22 47.7	1.849	2.807	7.1	19.2
4 11	11 56.98	−22 5.1	1.860	2.806	8.4	19.3
4 21	11 50.47	−21 11.5	1.897	2.804	10.8	19.4
5 1	11 46.14	−20 14.3	1.957	2.803	13.4	19.6
472902 2015 FS_{340}			3 23.8	304°.07	5°.3/29.6	18
2 21	12 31.66	−19 22.0	2.125	2.906	14.0	20.7
3 2	12 27.20	−19 26.6	2.033	2.897	11.5	20.5
3 12	12 20.96	−19 9.7	1.962	2.889	8.6	20.3
3 22	12 13.56	−18 31.6	1.916	2.881	6.1	20.1
4 1	12 5.85	−17 35.1	1.898	2.872	5.4	20.0
4 11	11 58.75	−16 25.9	1.907	2.864	7.2	20.1
4 21	11 53.06	−15 11.4	1.942	2.856	10.1	20.3
5 1	11 49.34	−13 58.9	2.000	2.849	13.1	20.4
92413 2000 JN_{39}			3 23.8	274°.18	1°.5/24.9	17
2 21	12 35.66	− 7 13.7	1.474	2.323	15.7	20.3
3 2	12 30.70	− 6 50.7	1.387	2.308	11.8	20.0
3 12	12 23.19	− 6 8.2	1.322	2.292	7.1	19.7
3 22	12 13.93	− 5 9.7	1.281	2.276	2.2	19.4
4 1	12 4.12	− 4 2.2	1.268	2.259	4.2	19.5
4 11	11 55.14	− 2 55.1	1.280	2.243	9.4	19.7
4 21	11 48.14	− 1 56.9	1.316	2.226	14.3	19.9
5 1	11 43.91	− 1 14.3	1.372	2.210	18.5	20.2
157895 1999 TH_{23}			3 23.8	216°.13	1°.6/22.1	18
2 21	12 34.89	+ 1 50.4	2.186	3.041	11.0	20.1
3 2	12 29.29	+ 2 26.5	2.107	3.036	7.8	19.9
3 12	12 22.02	+ 3 8.9	2.054	3.030	4.3	19.7
3 22	12 13.72	+ 3 53.0	2.030	3.024	1.6	19.4
4 1	12 5.20	+ 4 33.4	2.036	3.018	4.3	19.6
4 11	11 57.35	+ 5 5.2	2.069	3.011	7.9	19.8
4 21	11 50.88	+ 5 25.1	2.129	3.004	11.2	20.0
5 1	11 46.30	+ 5 31.1	2.210	2.997	14.1	20.2
386154 2007 TN_{316}			3 23.8	156°.36	1°.8/21.5	18
2 21	12 33.10	+ 3 23.0	2.771	3.624	9.1	22.5
3 2	12 27.65	+ 4 4.8	2.703	3.631	6.4	22.3
3 12	12 20.96	+ 4 50.4	2.663	3.638	3.5	22.2
3 22	12 13.55	+ 5 35.7	2.653	3.645	1.8	22.0
4 1	12 6.06	+ 6 16.5	2.674	3.651	3.8	22.2
4 11	11 59.13	+ 6 48.9	2.723	3.656	6.6	22.4
4 21	11 53.30	+ 7 10.7	2.800	3.661	9.3	22.6
5 1	11 48.96	+ 7 20.5	2.899	3.666	11.5	22.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
471513 2012 CE_{17}			3 23.8	8°.45	0°.0/23.4	18
	h m	° ′			°	m
2 21	12 16.65	− 0 51.3	18.169	19.009	1.6	21.7
3 2	12 15.38	− 0 42.0	18.089	19.010	1.1	21.6
3 12	12 13.97	− 0 31.8	18.037	19.010	0.6	21.6
3 22	12 12.48	− 0 21.2	18.015	19.011	0.1	21.5
4 1	12 10.98	− 0 10.5	18.024	19.012	0.5	21.6
4 11	12 9.53	− 0 0.4	18.063	19.013	1.0	21.6
4 21	12 8.20	+ 0 8.9	18.131	19.014	1.5	21.7
5 1	12 7.04	+ 0 17.0	18.224	19.015	1.9	21.7
124776 2001 SY_{247}			3 23.8	12°.88	3°.4/21.5	18
2 21	12 36.50	+ 3 48.2	1.183	2.067	16.3	18.9
3 2	12 31.41	+ 4 30.1	1.126	2.068	11.6	18.6
3 12	12 23.54	+ 5 19.7	1.091	2.070	6.5	18.4
3 22	12 13.98	+ 6 8.3	1.080	2.072	3.4	18.2
4 1	12 4.19	+ 6 46.4	1.093	2.075	7.0	18.4
4 11	11 55.72	+ 7 6.6	1.130	2.079	12.1	18.7
4 21	11 49.68	+ 7 5.4	1.188	2.083	16.7	19.0
5 1	11 46.72	+ 6 42.5	1.264	2.088	20.6	19.2
464901 2005 SC_{64}			3 23.8	166°.83	0°.5/23.3	17
2 21	12 35.98	− 1 45.8	2.086	2.934	11.8	22.5
3 2	12 30.09	− 1 15.8	2.013	2.937	8.5	22.2
3 12	12 22.46	− 0 36.5	1.966	2.941	4.7	22.0
3 22	12 13.80	+ 0 7.6	1.947	2.943	0.7	21.7
4 1	12 4.97	+ 0 51.3	1.958	2.946	3.6	21.9
4 11	11 56.89	+ 1 29.1	1.997	2.948	7.5	22.2
4 21	11 50.29	+ 1 57.1	2.062	2.949	11.0	22.4
5 1	11 45.69	+ 2 12.6	2.150	2.950	14.0	22.6
226823 2004 RA_{287}			3 23.8	194°.52	2°.6/26.5	17
2 21	12 33.63	−11 14.2	1.979	2.801	13.4	20.8
3 2	12 28.58	−10 57.0	1.898	2.800	10.2	20.6
3 12	12 21.71	−10 22.2	1.841	2.799	6.6	20.4
3 22	12 13.69	− 9 32.5	1.810	2.798	3.2	20.1
4 1	12 5.43	− 8 32.8	1.808	2.797	3.5	20.2
4 11	11 57.90	− 7 29.7	1.833	2.796	7.0	20.4
4 21	11 51.88	− 6 29.9	1.885	2.795	10.7	20.6
5 1	11 47.91	− 5 39.0	1.959	2.793	13.9	20.8
90537 2004 FU_{46}			3 23.8	339°.69	1°.2/24.9	18
2 21	12 31.04	− 6 25.0	1.750	2.600	13.6	19.0
3 2	12 26.95	− 6 9.4	1.668	2.590	10.1	18.7
3 12	12 20.90	− 5 38.8	1.609	2.580	6.0	18.5
3 22	12 13.59	− 4 56.7	1.576	2.570	1.8	18.2
4 1	12 5.96	− 4 8.5	1.570	2.562	3.5	18.3
4 11	11 59.06	− 3 21.1	1.591	2.554	7.9	18.5
4 21	11 53.74	− 2 40.6	1.636	2.547	11.9	18.7
5 1	11 50.61	− 2 11.8	1.702	2.541	15.4	18.9
305687 2009 BM_{125}			3 23.8	119°.43	3°.0/20.8	18
2 21	12 37.22	+ 3 17.9	1.741	2.605	13.0	21.3
3 2	12 31.08	+ 4 34.7	1.691	2.624	9.1	21.1
3 12	12 23.01	+ 5 57.6	1.666	2.642	5.1	20.9
3 22	12 13.89	+ 7 18.7	1.669	2.659	3.1	20.8
4 1	12 4.76	+ 8 29.6	1.701	2.676	5.9	21.1
4 11	11 56.66	+ 9 23.9	1.760	2.692	9.7	21.3
4 21	11 50.37	+ 9 58.2	1.844	2.707	13.2	21.6
5 1	11 46.36	+10 11.9	1.947	2.722	16.1	21.8
232619 2003 UO_{151}			3 23.8	216°.62	3°.4/19.5	18
2 21	12 33.80	+ 8 18.3	2.538	3.400	9.5	21.1
3 2	12 28.36	+ 9 16.0	2.461	3.391	6.8	20.9
3 12	12 21.46	+10 15.5	2.412	3.382	4.3	20.7
3 22	12 13.66	+11 11.2	2.391	3.373	3.5	20.7
4 1	12 5.68	+11 58.0	2.401	3.362	5.5	20.8
4 11	11 58.27	+12 31.5	2.439	3.352	8.3	20.9
4 21	11 52.04	+12 49.7	2.502	3.340	11.0	21.1
5 1	11 47.45	+12 51.9	2.587	3.328	13.3	21.2
463639 2013 TC_{112}			3 23.8	205°.43	3°.4/20.5	17
2 21	12 38.17	+ 8 9.2	2.151	3.011	11.0	21.4
3 2	12 31.65	+ 8 41.3	2.078	3.007	7.9	21.2
3 12	12 23.34	+ 9 14.1	2.032	3.003	4.8	21.0
3 22	12 13.96	+ 9 42.3	2.013	2.999	3.5	20.9
4 1	12 4.40	+10 0.9	2.025	2.994	5.7	21.1
4 11	11 55.60	+10 6.3	2.065	2.988	9.0	21.3
4 21	11 48.31	+ 9 56.9	2.129	2.983	12.1	21.4
5 1	11 43.06	+ 9 32.6	2.215	2.976	14.8	21.6
278738 2008 SA_{87}			3 23.8	195°.73	2°.1/25.9	17
2 21	12 34.27	− 9 34.5	2.142	2.965	12.5	21.7
3 2	12 28.93	− 9 22.5	2.059	2.963	9.4	21.5
3 12	12 21.87	− 8 55.9	2.001	2.962	5.9	21.2
3 22	12 13.74	− 8 17.0	1.970	2.960	2.7	21.0
4 1	12 5.38	− 7 30.1	1.968	2.958	3.2	21.0
4 11	11 57.69	− 6 40.9	1.995	2.956	6.7	21.3
4 21	11 51.41	− 5 54.9	2.048	2.954	10.2	21.5
5 1	11 47.06	− 5 16.8	2.125	2.951	13.2	21.7

192846 1999 VK_{155} 3 23.8 281°.85 1°.2/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.82	− 6 37.9	1.912	2.753	13.0	20.4
3 2	12 28.78	− 6 20.3	1.831	2.748	9.6	20.1
3 12	12 21.86	− 5 48.6	1.774	2.743	5.7	19.9
3 22	12 13.75	− 5 6.1	1.744	2.738	1.8	19.6
4 1	12 5.36	− 4 18.0	1.742	2.734	3.3	19.7
4 11	11 57.71	− 3 30.7	1.768	2.729	7.5	20.0
4 21	11 51.58	− 2 49.7	1.820	2.724	11.3	20.2
5 1	11 47.57	− 2 19.5	1.893	2.719	14.6	20.4

59298 1999 CQ_{66} 3 23.8 153°.27 0°.3/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.76	− 4 19.6	1.662	2.513	14.1	18.9
3 2	12 30.28	− 3 19.8	1.594	2.519	10.2	18.7
3 12	12 22.70	− 2 4.5	1.550	2.525	5.6	18.4
3 22	12 13.87	− 0 40.1	1.534	2.530	0.8	18.1
4 1	12 4.86	+ 0 44.6	1.546	2.535	4.2	18.3
4 11	11 56.80	+ 2 0.9	1.586	2.539	8.8	18.6
4 21	11 50.56	+ 3 2.2	1.650	2.543	12.9	18.9
5 1	11 46.69	+ 3 44.6	1.735	2.546	16.4	19.1

17665 1996 WD 3 23.8 162°.77 4°.5/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.37	+11 36.2	2.316	3.178	10.2	18.4
3 2	12 30.20	+12 32.1	2.257	3.184	7.5	18.2
3 12	12 22.46	+13 26.2	2.225	3.189	5.1	18.1
3 22	12 13.82	+14 12.7	2.221	3.194	4.6	18.1
4 1	12 5.11	+14 46.3	2.247	3.198	6.5	18.2
4 11	11 57.14	+15 3.5	2.300	3.202	9.2	18.4
4 21	11 50.58	+15 3.4	2.378	3.205	11.9	18.5
5 1	11 45.88	+14 46.4	2.477	3.207	14.1	18.7

225941 2002 AQ_{198} 3 23.8 249°.09 7°.9/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.97	+19 42.1	1.926	2.792	11.8	19.9
3 2	12 30.31	+21 4.8	1.868	2.785	9.5	19.7
3 12	12 22.69	+22 19.2	1.835	2.777	8.0	19.6
3 22	12 13.87	+23 16.9	1.828	2.769	8.4	19.6
4 1	12 4.87	+23 50.9	1.848	2.760	10.4	19.7
4 11	11 56.74	+23 58.0	1.892	2.752	12.9	19.8
4 21	11 50.30	+23 38.4	1.957	2.743	15.5	20.0
5 1	11 46.10	+22 55.1	2.039	2.734	17.8	20.2

113003 2002 RY_{38} 3 23.8 239°.46 2°.6/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.85	−10 5.9	1.798	2.625	14.3	20.0
3 2	12 30.43	− 9 55.4	1.710	2.617	10.9	19.7
3 12	12 22.87	− 9 26.9	1.646	2.608	6.9	19.5
3 22	12 13.92	− 8 42.9	1.608	2.598	3.2	19.2
4 1	12 4.58	− 7 48.1	1.598	2.589	3.8	19.2
4 11	11 55.98	− 6 49.6	1.616	2.579	7.8	19.5
4 21	11 49.07	− 5 54.7	1.659	2.568	11.9	19.7
5 1	11 44.49	− 5 9.5	1.724	2.558	15.5	19.9

470915 2009 DT_{88} 3 23.8 278°.49 2°.0/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.23	+ 3 27.1	2.274	3.134	10.5	21.3
3 2	12 28.13	+ 4 1.8	2.189	3.120	7.5	21.1
3 12	12 21.42	+ 4 41.6	2.129	3.105	4.2	20.9
3 22	12 13.68	+ 5 21.8	2.098	3.091	2.0	20.7
4 1	12 5.70	+ 5 57.3	2.097	3.076	4.5	20.8
4 11	11 58.29	+ 6 23.7	2.123	3.062	7.9	21.0
4 21	11 52.15	+ 6 37.7	2.175	3.047	11.1	21.2
5 1	11 47.81	+ 6 37.8	2.249	3.032	13.9	21.4

465906 2010 VJ_{57} 3 23.8 90°.60 1°.4/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.80	− 0 26.2	1.708	2.568	13.4	22.0
3 2	12 30.12	+ 0 23.2	1.654	2.585	9.5	21.8
3 12	12 22.52	+ 1 22.2	1.625	2.602	5.1	21.6
3 22	12 13.84	+ 2 24.4	1.623	2.618	1.4	21.3
4 1	12 5.13	+ 3 22.4	1.649	2.635	4.6	21.6
4 11	11 57.43	+ 4 9.6	1.703	2.651	8.8	21.9
4 21	11 51.51	+ 4 41.8	1.781	2.667	12.5	22.1
5 1	11 47.85	+ 4 57.1	1.880	2.683	15.6	22.4

3149 Okudzhava 3 23.8 100°.49 0°.4/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.12	− 6 41.2	1.462	2.313	15.8	17.3
3 2	12 30.63	− 5 38.5	1.406	2.330	11.4	17.1
3 12	12 22.90	− 4 16.7	1.374	2.346	6.5	16.8
3 22	12 13.90	− 2 43.1	1.367	2.363	1.2	16.5
4 1	12 4.85	− 1 7.7	1.388	2.379	4.1	16.8
4 11	11 56.96	+ 0 19.1	1.436	2.395	9.1	17.1
4 21	11 51.12	+ 1 29.9	1.509	2.410	13.4	17.4
5 1	11 47.84	+ 2 20.1	1.601	2.425	16.9	17.6

326971 2004 KB_{12} 3 23.8 274°.52 4°.7/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 39.21	+ 9 52.5	1.705	2.574	12.9	20.6
3 2	12 32.82	+10 26.0	1.633	2.565	9.4	20.3
3 12	12 24.17	+10 59.0	1.586	2.557	6.0	20.1
3 22	12 14.12	+11 24.4	1.566	2.548	4.7	20.0
4 1	12 3.80	+11 36.0	1.573	2.540	7.3	20.1
4 11	11 54.43	+11 29.6	1.607	2.531	11.0	20.3
4 21	11 46.95	+11 4.3	1.664	2.523	14.6	20.5
5 1	11 41.99	+10 20.9	1.741	2.514	17.7	20.7

502308 2015 BA_{151} 3 23.8 256°.68 0°.9/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.79	− 0 21.8	1.945	2.801	12.2	21.7
3 2	12 29.42	+ 0 6.4	1.867	2.796	8.7	21.5
3 12	12 22.20	+ 0 43.3	1.815	2.791	4.8	21.2
3 22	12 13.81	+ 1 24.4	1.790	2.785	1.0	20.9
4 1	12 5.19	+ 2 3.9	1.794	2.780	4.1	21.2
4 11	11 57.30	+ 2 36.4	1.825	2.775	8.1	21.4
4 21	11 50.94	+ 2 57.7	1.881	2.770	11.8	21.6
5 1	11 46.67	+ 3 5.3	1.959	2.764	15.0	21.8

498594 2008 QP_{47} 3 23.8 129°.46 8°.0/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 40.66	−27 38.9	2.433	3.136	14.5	21.4
3 2	12 33.52	−28 35.1	2.354	3.149	12.5	21.3
3 12	12 24.46	−29 9.2	2.298	3.163	10.4	21.2
3 22	12 14.17	−29 19.1	2.266	3.176	8.7	21.1
4 1	12 3.59	−29 5.0	2.261	3.188	8.0	21.0
4 11	11 53.72	−28 30.5	2.283	3.200	8.6	21.1
4 21	11 45.40	−27 41.6	2.331	3.211	10.2	21.2
5 1	11 39.23	−26 45.5	2.403	3.222	12.1	21.4

341532 2007 TR_{443} 3 23.8 76°.34 1°.6/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.42	+ 2 39.9	2.140	2.997	11.2	20.6
3 2	12 29.63	+ 2 59.5	2.073	3.002	7.9	20.4
3 12	12 22.20	+ 3 23.8	2.032	3.008	4.3	20.2
3 22	12 13.81	+ 3 48.5	2.020	3.014	1.6	20.0
4 1	12 5.31	+ 4 9.2	2.036	3.019	4.2	20.2
4 11	11 57.57	+ 4 21.8	2.081	3.025	7.7	20.4
4 21	11 51.28	+ 4 23.9	2.152	3.031	11.0	20.7
5 1	11 46.90	+ 4 14.1	2.245	3.037	13.7	20.9

81601 2000 HQ_{58} 3 23.8 269°.71 0°.8/24.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.80	− 5 30.9	1.918	2.759	13.0	20.2
3 2	12 30.39	− 5 10.9	1.818	2.736	9.6	19.9
3 12	12 22.89	− 4 36.9	1.743	2.713	5.7	19.6
3 22	12 13.95	− 3 52.2	1.694	2.689	1.4	19.3
4 1	12 4.53	− 3 2.0	1.675	2.665	3.5	19.4
4 11	11 55.68	− 2 12.8	1.683	2.641	8.0	19.6
4 21	11 48.36	− 1 30.6	1.717	2.616	12.2	19.8
5 1	11 43.25	− 1 0.2	1.773	2.591	15.8	20.0

85353 1995 UE_{46} 3 23.8 250°.05 0°.5/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 38.84	− 2 1.9	1.524	2.381	14.9	19.7
3 2	12 32.92	− 1 37.3	1.440	2.368	10.8	19.4
3 12	12 24.43	− 0 59.7	1.379	2.354	6.1	19.1
3 22	12 14.20	− 0 13.9	1.344	2.340	0.9	18.7
4 1	12 3.48	+ 0 32.9	1.337	2.326	4.7	19.0
4 11	11 53.62	+ 1 13.1	1.356	2.311	9.9	19.2
4 21	11 45.77	+ 1 40.6	1.399	2.295	14.5	19.5
5 1	11 40.70	+ 1 51.6	1.461	2.280	18.5	19.7

36030 1999 NR_{59} 3 23.8 197°.62 7°.7/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.66	−31 41.7	2.854	3.525	13.1	18.9
3 2	12 28.40	−32 11.5	2.758	3.523	11.6	18.7
3 12	12 21.57	−32 20.0	2.682	3.521	10.0	18.6
3 22	12 13.73	−32 5.6	2.630	3.518	8.5	18.5
4 1	12 5.62	−31 28.7	2.603	3.515	7.7	18.5
4 11	11 58.04	−30 32.7	2.603	3.512	8.0	18.5
4 21	11 51.65	−29 22.7	2.629	3.509	9.2	18.5
5 1	11 47.00	−28 5.3	2.679	3.505	10.8	18.6

374378 2005 UM_{400} 3 23.8 290°.73 1°.7/25.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.87	− 7 53.3	1.744	2.585	14.1	21.1
3 2	12 29.01	− 7 34.0	1.663	2.578	10.5	20.8
3 12	12 22.08	− 6 58.0	1.604	2.572	6.4	20.6
3 22	12 13.83	− 6 8.6	1.572	2.565	2.3	20.3
4 1	12 5.25	− 5 11.6	1.568	2.559	3.6	20.4
4 11	11 57.45	− 4 14.3	1.590	2.553	7.9	20.6
4 21	11 51.33	− 3 23.5	1.638	2.546	12.0	20.8
5 1	11 47.49	− 2 44.7	1.706	2.540	15.6	21.0

457606 2009 BG_{43} 3 23.8 355°.53 2°.1/22.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.53	+ 0 40.8	1.295	2.172	15.6	21.5
3 2	12 29.90	+ 1 28.6	1.232	2.170	11.1	21.2
3 12	12 22.71	+ 2 28.6	1.190	2.169	6.1	20.9
3 22	12 13.93	+ 3 32.7	1.173	2.168	2.1	20.7
4 1	12 4.87	+ 4 31.4	1.182	2.167	5.9	20.9
4 11	11 56.93	+ 5 15.7	1.215	2.167	11.0	21.2
4 21	11 51.17	+ 5 40.4	1.270	2.168	15.7	21.5
5 1	11 48.25	+ 5 43.2	1.343	2.169	19.5	21.7

505042 2011 RJ_{7} 3 23.8 36°.39 2°.1/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.19	− 8 36.7	2.178	3.005	12.2	21.5
3 2	12 28.83	− 8 41.3	2.102	3.008	9.2	21.3
3 12	12 21.81	− 8 33.2	2.049	3.011	5.8	21.1
3 22	12 13.77	− 8 14.4	2.025	3.015	2.6	20.9
4 1	12 5.55	− 7 48.2	2.029	3.018	3.2	21.0
4 11	11 58.01	− 7 19.4	2.061	3.022	6.5	21.2
4 21	11 51.85	− 6 52.5	2.120	3.026	9.8	21.4
5 1	11 47.58	− 6 31.7	2.202	3.030	12.7	21.6

241899 2001 XE_{132} 3 23.8 178°.46 3°.5/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.87	+ 9 38.6	2.637	3.500	9.1	21.4
3 2	12 27.61	+10 29.7	2.572	3.501	6.6	21.3
3 12	12 21.01	+11 20.9	2.533	3.502	4.3	21.1
3 22	12 13.64	+12 7.0	2.524	3.502	3.6	21.1
4 1	12 6.17	+12 43.6	2.544	3.503	5.4	21.2
4 11	11 59.28	+13 7.2	2.593	3.502	8.0	21.4
4 21	11 53.54	+13 16.2	2.666	3.502	10.5	21.5
5 1	11 49.36	+13 10.3	2.762	3.501	12.6	21.7

79999 1999 FJ_{32} 3 23.8 295°.41 1°.6/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.89	+ 2 39.5	2.159	3.016	11.1	18.6
3 2	12 29.32	+ 3 0.5	2.084	3.014	7.9	18.3
3 12	12 22.08	+ 3 26.4	2.035	3.011	4.3	18.1
3 22	12 13.82	+ 3 53.0	2.014	3.008	1.6	17.9
4 1	12 5.38	+ 4 15.7	2.022	3.005	4.2	18.1
4 11	11 57.63	+ 4 30.2	2.059	3.003	7.8	18.3
4 21	11 51.29	+ 4 34.0	2.121	3.000	11.1	18.5
5 1	11 46.85	+ 4 25.4	2.205	2.997	13.9	18.7

326714 2003 DL_{7} 3 23.8 89°.68 3°.5/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.34	+ 5 39.7	1.747	2.616	12.7	21.0
3 2	12 30.46	+ 6 40.1	1.700	2.635	8.9	20.8
3 12	12 22.69	+ 7 43.7	1.678	2.653	5.2	20.6
3 22	12 13.90	+ 8 43.2	1.684	2.671	3.6	20.5
4 1	12 5.13	+ 9 31.4	1.717	2.689	6.2	20.7
4 11	11 57.39	+10 3.3	1.777	2.707	9.8	20.9
4 21	11 51.42	+10 16.6	1.861	2.724	13.1	21.2
5 1	11 47.69	+10 11.2	1.965	2.742	15.9	21.4

164693 1997 TC_{24} 3 23.8 282°.40 1°.2/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.13	− 0 30.5	1.428	2.294	15.1	20.2
3 2	12 31.67	− 0 0.9	1.356	2.289	10.9	19.9
3 12	12 23.69	+ 0 40.5	1.307	2.284	6.0	19.6
3 22	12 14.10	+ 1 27.7	1.283	2.278	1.3	19.3
4 1	12 4.15	+ 2 13.0	1.286	2.273	5.1	19.6
4 11	11 55.23	+ 2 48.6	1.314	2.268	10.2	19.8
4 21	11 48.39	+ 3 9.1	1.365	2.263	14.8	20.1
5 1	11 44.34	+ 3 11.8	1.436	2.258	18.6	20.3

470066 2006 SB_{257} 3 23.8 125°.98 2°.9/28.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.61	−16 45.0	2.699	3.482	11.3	21.7
3 2	12 25.99	−15 49.1	2.619	3.494	8.8	21.5
3 12	12 20.11	−14 35.3	2.563	3.505	6.1	21.3
3 22	12 13.51	−13 6.5	2.537	3.516	3.6	21.2
4 1	12 6.84	−11 27.8	2.540	3.526	3.1	21.2
4 11	12 0.75	− 9 45.4	2.575	3.536	5.4	21.3
4 21	11 55.77	− 8 6.0	2.638	3.546	8.1	21.5
5 1	11 52.30	− 6 34.9	2.728	3.556	10.6	21.7

351525 2005 SY_{129} 3 23.8 146°.49 1°.4/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 38.04	− 8 7.2	1.664	2.499	14.9	21.7
3 2	12 31.93	− 7 31.9	1.596	2.509	11.0	21.5
3 12	12 23.65	− 6 38.6	1.551	2.519	6.6	21.3
3 22	12 14.07	− 5 31.7	1.534	2.527	2.1	21.0
4 1	12 4.33	− 4 18.6	1.544	2.535	3.7	21.1
4 11	11 55.59	− 3 7.7	1.583	2.543	8.2	21.4
4 21	11 48.74	− 2 6.3	1.646	2.549	12.4	21.7
5 1	11 44.37	− 1 19.6	1.732	2.555	15.9	21.9

117497 2005 CL_{20} 3 23.8 74°.38 1°.0/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.35	− 1 26.2	1.454	2.318	15.0	19.8
3 2	12 30.87	− 0 46.6	1.395	2.328	10.7	19.5
3 12	12 23.11	+ 0 5.4	1.360	2.337	5.8	19.3
3 22	12 13.99	+ 1 3.0	1.351	2.347	1.1	19.0
4 1	12 4.74	+ 1 58.2	1.369	2.357	4.8	19.3
4 11	11 56.62	+ 2 43.3	1.413	2.367	9.6	19.6
4 21	11 50.55	+ 3 13.0	1.479	2.376	13.9	19.8
5 1	11 47.09	+ 3 24.8	1.566	2.386	17.4	20.1

206985 2004 TB_{134} 3 23.8 204°.74 1°.3/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.38	− 0 33.8	1.928	2.779	12.5	21.4
3 2	12 31.33	+ 0 15.2	1.848	2.774	8.9	21.2
3 12	12 23.31	+ 1 14.6	1.793	2.768	4.9	20.9
3 22	12 14.03	+ 2 18.6	1.766	2.761	1.3	20.6
4 1	12 4.48	+ 3 20.5	1.769	2.754	4.4	20.8
4 11	11 55.69	+ 4 13.5	1.800	2.745	8.6	21.1
4 21	11 48.50	+ 4 52.9	1.857	2.736	12.4	21.3
5 1	11 43.51	+ 5 15.6	1.935	2.726	15.6	21.5

401511 2013 EY_{41} 3 23.8 151°.43 2°.1/25.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 39.21	− 8 15.3	1.659	2.493	15.0	21.7
3 2	12 32.84	− 8 9.4	1.588	2.499	11.2	21.5
3 12	12 24.20	− 7 46.7	1.540	2.505	6.9	21.2
3 22	12 14.17	− 7 10.3	1.518	2.510	2.7	21.0
4 1	12 3.91	− 6 25.4	1.524	2.515	3.8	21.1
4 11	11 54.63	− 5 39.1	1.558	2.519	8.2	21.3
4 21	11 47.28	− 4 58.1	1.617	2.523	12.4	21.6
5 1	11 42.49	− 4 27.6	1.697	2.527	15.9	21.8

290793 2005 VV_{69} 3 23.8 72°.07 1°.8/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.90	+ 0 38.0	1.728	2.593	13.0	20.9
3 2	12 28.86	+ 1 30.3	1.667	2.600	9.2	20.7
3 12	12 21.90	+ 2 31.6	1.631	2.608	5.0	20.5
3 22	12 13.81	+ 3 35.5	1.621	2.615	1.8	20.3
4 1	12 5.60	+ 4 34.5	1.639	2.623	4.9	20.5
4 11	11 58.29	+ 5 21.9	1.685	2.631	9.0	20.7
4 21	11 52.68	+ 5 53.4	1.754	2.638	12.7	21.0
5 1	11 49.27	+ 6 7.2	1.844	2.646	15.9	21.2

121660 1999 XW_{19} 3 23.8 150°.25 13°.2/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 54.01	+27 23.6	1.246	2.096	18.0	19.3
3 2	12 43.96	+28 24.6	1.204	2.101	15.2	19.2
3 12	12 30.46	+29 0.8	1.184	2.106	13.4	19.1
3 22	12 15.12	+28 59.6	1.187	2.111	13.5	19.1
4 1	12 0.01	+28 14.8	1.213	2.115	15.4	19.2
4 11	11 47.09	+26 49.0	1.262	2.119	18.3	19.4
4 21	11 37.54	+24 50.9	1.329	2.122	21.2	19.6
5 1	11 31.86	+22 30.5	1.413	2.124	23.8	19.8

271707 2004 RW_{180} 3 23.8 125°.70 2°.6/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.14	−12 45.4	2.354	3.158	12.1	21.3
3 2	12 28.62	−12 17.7	2.283	3.175	9.2	21.1
3 12	12 21.62	−11 33.8	2.238	3.190	6.1	20.9
3 22	12 13.76	−10 36.7	2.220	3.206	3.2	20.8
4 1	12 5.83	− 9 30.9	2.232	3.220	3.2	20.8
4 11	11 58.60	− 8 22.4	2.274	3.234	6.0	21.0
4 21	11 52.70	− 7 17.1	2.343	3.248	9.1	21.2
5 1	11 48.56	− 6 19.8	2.436	3.261	11.8	21.4

491158 2011 SX_{217} 3 23.8 218°.23 0°.3/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.42	− 2 39.5	2.850	3.690	9.2	22.7
3 2	12 26.57	− 1 59.8	2.761	3.682	6.6	22.5
3 12	12 20.47	− 1 12.0	2.700	3.673	3.6	22.3
3 22	12 13.59	− 0 19.4	2.668	3.664	0.5	22.1
4 1	12 6.54	+ 0 33.7	2.666	3.654	2.8	22.2
4 11	11 59.95	+ 1 22.9	2.695	3.644	5.9	22.4
4 21	11 54.34	+ 2 4.5	2.751	3.633	8.7	22.6
5 1	11 50.16	+ 2 36.0	2.831	3.622	11.2	22.7

171915 2001 SX_{83} 3 23.8 222°.89 1°.2/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.11	− 7 4.2	2.375	3.205	11.2	21.0
3 2	12 27.99	− 6 46.9	2.290	3.200	8.3	20.8
3 12	12 21.34	− 6 17.7	2.229	3.196	5.0	20.6
3 22	12 13.73	− 5 39.5	2.197	3.190	1.7	20.3
4 1	12 5.91	− 4 56.3	2.194	3.185	2.8	20.4
4 11	11 58.66	− 4 13.0	2.221	3.180	6.3	20.6
4 21	11 52.64	− 3 34.3	2.274	3.174	9.5	20.8
5 1	11 48.35	− 3 3.8	2.350	3.168	12.4	21.0

464431 2016 BH_{33} 3 23.8 14°.93 1°.4/22.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.05	− 0 31.0	1.220	2.099	16.3	21.2
3 2	12 29.61	+ 0 4.7	1.163	2.102	11.6	21.0
3 12	12 22.56	+ 0 53.3	1.126	2.105	6.4	20.7
3 22	12 13.93	+ 1 47.7	1.114	2.110	1.5	20.4
4 1	12 5.09	+ 2 38.5	1.127	2.115	5.5	20.6
4 11	11 57.47	+ 3 17.1	1.164	2.121	10.8	20.9
4 21	11 52.12	+ 3 38.1	1.222	2.128	15.5	21.2
5 1	11 49.65	+ 3 38.9	1.299	2.136	19.4	21.5

506216 2016 JY_{16} 3 23.8 288°.92 12°.8/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 51.23	+34 41.4	1.879	2.689	14.5	21.5
3 2	12 41.79	+35 45.0	1.804	2.656	13.3	21.4
3 12	12 29.36	+36 26.2	1.753	2.624	12.8	21.3
3 22	12 15.01	+36 34.0	1.726	2.590	13.5	21.2
4 1	12 0.28	+36 1.4	1.723	2.557	15.1	21.3
4 11	11 46.83	+34 47.7	1.742	2.523	17.2	21.3
4 21	11 35.90	+32 58.1	1.781	2.488	19.5	21.4
5 1	11 28.24	+30 40.3	1.836	2.453	21.6	21.5

200099 1995 DG_{14} 3 23.8 85°.66 0°.3/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.38	− 4 9.0	2.025	2.875	12.0	20.2
3 2	12 26.85	− 3 7.8	1.959	2.884	8.6	19.9
3 12	12 20.71	− 1 54.1	1.918	2.892	4.7	19.7
3 22	12 13.63	− 0 33.5	1.905	2.901	0.7	19.4
4 1	12 6.44	+ 0 47.0	1.921	2.909	3.5	19.7
4 11	11 59.99	+ 2 0.3	1.965	2.918	7.4	19.9
4 21	11 54.95	+ 3 1.1	2.035	2.926	10.9	20.2
5 1	11 51.77	+ 3 45.9	2.128	2.935	13.9	20.4

223241 2003 FE_{4} 3 23.8 88°.35 3°.8/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 44.29	+ 9 26.4	1.761	2.620	13.1	20.2
3 2	12 36.25	+ 9 28.3	1.697	2.625	9.5	20.0
3 12	12 25.99	+ 9 27.9	1.659	2.631	5.8	19.8
3 22	12 14.46	+ 9 20.3	1.650	2.636	3.8	19.6
4 1	12 2.85	+ 9 1.4	1.669	2.642	6.2	19.8
4 11	11 52.37	+ 8 29.0	1.716	2.647	10.0	20.0
4 21	11 43.93	+ 7 43.1	1.789	2.653	13.5	20.3
5 1	11 38.07	+ 6 44.9	1.883	2.658	16.5	20.5

350122 2011 QR_{63} 3 23.8 193°.83 4°.2/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.37	−19 45.6	3.065	3.821	10.7	21.9
3 2	12 27.25	−19 45.3	2.969	3.818	8.7	21.8
3 12	12 20.85	−19 29.4	2.898	3.815	6.6	21.6
3 22	12 13.66	−18 58.5	2.854	3.812	4.7	21.5
4 1	12 6.29	−18 14.7	2.839	3.808	4.2	21.4
4 11	11 59.37	−17 21.8	2.853	3.804	5.5	21.5
4 21	11 53.45	−16 24.3	2.896	3.799	7.6	21.7
5 1	11 48.95	−15 27.1	2.964	3.794	9.8	21.8

368616 2004 SJ_5 3 23.8 126°.66 1°.0/24.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.06	− 6 50.7	2.313	3.141	11.5	22.4
3 2	12 29.27	− 6 23.1	2.246	3.157	8.4	22.2
3 12	12 21.98	− 5 43.6	2.205	3.172	5.0	22.0
3 22	12 13.83	− 4 55.7	2.193	3.187	1.5	21.8
4 1	12 5.61	− 4 4.2	2.210	3.201	2.8	21.9
4 11	11 58.11	− 3 14.3	2.257	3.214	6.3	22.2
4 21	11 51.96	− 2 30.6	2.331	3.227	9.5	22.4
5 1	11 47.60	− 1 56.7	2.429	3.239	12.2	22.6

21000 L′Encyclopédie 3 23.8 50°.37 6°.6/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.31	+ 9 41.9	1.320	2.209	14.6	18.1
3 2	12 28.67	+11 44.7	1.291	2.232	10.5	18.0
3 12	12 21.82	+13 45.7	1.287	2.257	7.3	17.8
3 22	12 13.80	+15 31.9	1.307	2.281	7.0	17.9
4 1	12 5.88	+16 52.6	1.354	2.306	9.8	18.1
4 11	11 59.26	+17 42.0	1.423	2.331	13.4	18.4
4 21	11 54.74	+17 59.8	1.513	2.356	16.7	18.7
5 1	11 52.74	+17 49.2	1.620	2.382	19.3	18.9

371748 2007 EQ_{218} 3 23.8 3°.75 5°.8/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 27.86	− 2 58.5	0.882	1.779	19.1	19.6
3 2	12 25.82	+ 1 15.1	0.827	1.778	13.2	19.3
3 12	12 20.73	+ 6 7.4	0.796	1.778	7.3	19.0
3 22	12 13.68	+11 7.7	0.792	1.778	6.6	18.9
4 1	12 6.28	+15 40.1	0.813	1.779	12.2	19.2
4 11	12 0.28	+19 17.0	0.858	1.781	18.2	19.6
4 21	11 56.92	+21 48.2	0.921	1.783	23.3	19.9
5 1	11 56.85	+23 16.1	0.998	1.785	27.2	20.2

307385 2002 SP_{68} 3 23.8 267°.44 0°.5/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.85	− 4 50.9	2.080	2.923	12.0	21.3
3 2	12 27.95	− 4 22.9	2.002	2.922	8.7	21.1
3 12	12 21.37	− 3 43.0	1.949	2.920	5.0	20.9
3 22	12 13.75	− 2 55.1	1.923	2.919	1.0	20.6
4 1	12 5.94	− 2 4.3	1.927	2.917	3.2	20.8
4 11	11 58.80	− 1 16.5	1.958	2.916	7.1	21.0
4 21	11 53.06	− 0 36.7	2.016	2.914	10.7	21.2
5 1	11 49.22	− 0 8.5	2.096	2.913	13.7	21.4

111129 2001 VQ_{92} 3 23.8 227°.22 5°.6/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.39	+14 10.8	2.327	3.191	10.1	20.6
3 2	12 29.71	+15 34.5	2.253	3.178	7.7	20.4
3 12	12 22.34	+16 56.4	2.207	3.163	5.8	20.3
3 22	12 13.91	+18 9.3	2.189	3.149	5.9	20.3
4 1	12 5.24	+19 6.4	2.200	3.133	7.8	20.3
4 11	11 57.18	+19 43.5	2.238	3.117	10.5	20.5
4 21	11 50.46	+19 58.8	2.300	3.099	13.1	20.6
5 1	11 45.61	+19 53.0	2.381	3.082	15.4	20.8

207105 2005 AG_{24} 3 23.8 73°.76 1°.6/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.48	− 1 30.6	1.409	2.276	15.2	20.3
3 2	12 30.19	− 0 20.9	1.362	2.296	10.8	20.1
3 12	12 22.68	+ 1 1.8	1.338	2.315	5.8	19.8
3 22	12 13.95	+ 2 28.7	1.340	2.335	1.6	19.6
4 1	12 5.23	+ 3 49.8	1.369	2.354	5.2	19.9
4 11	11 57.71	+ 4 56.2	1.424	2.374	9.9	20.2
4 21	11 52.26	+ 5 42.6	1.502	2.393	14.1	20.5
5 1	11 49.35	+ 6 7.0	1.600	2.412	17.4	20.7

415891 2001 TS_{92} 3 23.8 158°.39 0°.1/23.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.66	− 2 51.8	2.251	3.089	11.4	22.2
3 2	12 31.21	− 2 33.8	2.178	3.096	8.2	22.0
3 12	12 23.11	− 2 6.8	2.131	3.103	4.6	21.8
3 22	12 14.03	− 1 34.5	2.113	3.109	0.7	21.5
4 1	12 4.82	− 1 1.0	2.125	3.114	3.2	21.7
4 11	11 56.33	− 0 31.2	2.167	3.119	6.9	22.0
4 21	11 49.27	− 0 8.7	2.236	3.123	10.2	22.2
5 1	11 44.13	+ 0 3.8	2.328	3.127	13.1	22.4

417554 2006 US_{82} 3 23.8 114°.51 0°.2/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.80	− 3 34.7	1.819	2.664	13.4	21.4
3 2	12 31.56	− 3 14.5	1.756	2.677	9.7	21.2
3 12	12 23.38	− 2 42.9	1.718	2.690	5.4	21.0
3 22	12 14.08	− 2 4.2	1.707	2.703	0.9	20.7
4 1	12 4.67	− 1 24.0	1.725	2.715	3.6	20.9
4 11	11 56.21	− 0 48.2	1.771	2.726	7.9	21.2
4 21	11 49.49	− 0 21.4	1.842	2.738	11.6	21.4
5 1	11 45.04	− 0 6.7	1.935	2.749	14.8	21.7

465423 2008 PA_4 3 23.8 267°.18 3°.6/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 32.27	+ 4 54.8	1.951	2.820	11.5	21.0
3 2	12 27.73	+ 6 23.9	1.868	2.803	8.2	20.8
3 12	12 21.36	+ 8 0.9	1.811	2.786	4.9	20.5
3 22	12 13.78	+ 9 37.8	1.783	2.769	3.7	20.4
4 1	12 5.87	+11 5.9	1.783	2.751	6.5	20.5
4 11	11 58.61	+12 17.6	1.811	2.733	10.1	20.7
4 21	11 52.78	+13 8.2	1.862	2.714	13.6	20.9
5 1	11 48.98	+13 36.0	1.933	2.696	16.6	21.1

12465 Perth Amboy 3 23.8 215°.42 1°.4/22.4 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.60	− 0 30.4	1.993	2.846	12.1	19.4
3 2	12 30.03	+ 0 24.5	1.911	2.838	8.6	19.2
3 12	12 22.60	+ 1 29.7	1.854	2.830	4.7	18.9
3 22	12 13.97	+ 2 39.6	1.826	2.821	1.4	18.6
4 1	12 5.07	+ 3 47.3	1.827	2.811	4.4	18.8
4 11	11 56.86	+ 4 46.0	1.857	2.801	8.4	19.1
4 21	11 50.16	+ 5 30.7	1.912	2.790	12.1	19.3
5 1	11 45.54	+ 5 58.5	1.988	2.779	15.3	19.5

209936 2006 CT_{65} 3 23.8 229°.93 0°.6/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 38.69	− 4 39.2	1.790	2.632	13.7	20.8
3 2	12 32.52	− 4 21.3	1.702	2.621	10.1	20.5
3 12	12 24.11	− 3 49.9	1.638	2.609	5.8	20.2
3 22	12 14.23	− 3 8.8	1.601	2.597	1.3	19.9
4 1	12 3.92	− 2 23.4	1.594	2.584	3.8	20.0
4 11	11 54.37	− 1 40.4	1.614	2.570	8.4	20.3
4 21	11 46.55	− 1 5.7	1.659	2.556	12.6	20.5
5 1	11 41.15	− 0 43.4	1.726	2.541	16.3	20.7

136101 2003 EA_2 3 23.8 174°.04 1°.1/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.98	− 6 16.7	2.895	3.716	9.6	20.2
3 2	12 29.06	− 6 13.6	2.812	3.719	7.1	20.0
3 12	12 21.84	− 6 1.8	2.756	3.721	4.3	19.8
3 22	12 13.85	− 5 43.4	2.729	3.722	1.5	19.6
4 1	12 5.71	− 5 21.1	2.733	3.724	2.4	19.7
4 11	11 58.07	− 4 58.3	2.768	3.724	5.4	19.9
4 21	11 51.50	− 4 38.2	2.831	3.725	8.1	20.1
5 1	11 46.42	− 4 23.5	2.919	3.725	10.5	20.2

188101 2001 YQ_{66} 3 23.8 211°.49 4°.4/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.97	−17 50.0	2.497	3.269	12.4	20.6
3 2	12 30.11	−17 53.1	2.398	3.261	10.0	20.4
3 12	12 22.59	−17 38.4	2.323	3.252	7.4	20.2
3 22	12 13.98	−17 6.3	2.275	3.243	5.0	20.1
4 1	12 5.06	−16 19.3	2.256	3.232	4.6	20.0
4 11	11 56.69	−15 22.1	2.267	3.221	6.5	20.1
4 21	11 49.57	−14 20.5	2.305	3.209	9.2	20.3
5 1	11 44.25	−13 20.6	2.368	3.197	11.9	20.4

363732 2004 XH_{47} 3 23.8 36°.21 3°.0/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.77	− 8 46.3	1.201	2.055	18.2	20.5
3 2	12 31.60	− 8 57.3	1.146	2.067	13.7	20.3
3 12	12 23.69	− 8 47.0	1.112	2.079	8.6	20.0
3 22	12 14.15	− 8 18.4	1.101	2.092	3.8	19.8
4 1	12 4.45	− 7 37.9	1.114	2.106	4.7	19.9
4 11	11 56.09	− 6 54.6	1.152	2.120	9.5	20.2
4 21	11 50.16	− 6 16.7	1.213	2.135	14.2	20.5
5 1	11 47.26	− 5 50.6	1.292	2.151	18.2	20.8

17755 1998 DU_{11} 3 23.8 295°.70 1°.1/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.04	− 0 1.7	2.139	2.996	11.2	18.0
3 2	12 27.42	+ 0 35.9	2.050	2.980	8.0	17.8
3 12	12 21.13	+ 1 22.1	1.987	2.964	4.4	17.5
3 22	12 13.75	+ 2 12.3	1.953	2.948	1.2	17.3
4 1	12 6.09	+ 3 1.0	1.947	2.932	4.0	17.4
4 11	11 59.00	+ 3 42.6	1.968	2.916	7.8	17.6
4 21	11 53.22	+ 4 12.8	2.015	2.901	11.3	17.8
5 1	11 49.30	+ 4 28.8	2.084	2.885	14.3	18.0

380581 2004 RS_{195} 3 23.8 183°.12 3°.6/27.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.96	−14 37.1	2.396	3.187	12.3	21.9
3 2	12 30.07	−14 41.0	2.308	3.188	9.7	21.7
3 12	12 22.53	−14 28.8	2.246	3.188	6.8	21.5
3 22	12 13.97	−14 1.5	2.210	3.187	4.2	21.3
4 1	12 5.17	−13 22.1	2.204	3.186	4.0	21.3
4 11	11 56.97	−12 35.3	2.227	3.185	6.3	21.4
4 21	11 50.10	−11 46.6	2.277	3.183	9.3	21.6
5 1	11 45.06	−11 1.2	2.352	3.180	12.0	21.8

386137 2007 TV_{92} 3 23.8 79°.77 0°.7/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.38	− 7 15.5	2.250	3.083	11.6	21.5
3 2	12 27.34	− 6 24.1	2.196	3.109	8.4	21.4
3 12	12 20.89	− 5 20.1	2.167	3.135	4.9	21.2
3 22	12 13.69	− 4 8.2	2.166	3.161	1.3	21.0
4 1	12 6.50	− 2 54.2	2.196	3.187	2.8	21.1
4 11	12 0.06	− 1 44.2	2.255	3.212	6.3	21.4
4 21	11 54.95	− 0 43.3	2.340	3.237	9.5	21.6
5 1	11 51.55	+ 0 5.1	2.449	3.261	12.1	21.8

190068 2004 RR_{332} 3 23.8 226°.28 7°.5/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 36.12	+19 26.6	2.058	2.922	11.2	20.2
3 2	12 30.35	+20 45.8	2.000	2.916	9.0	20.0
3 12	12 22.73	+21 57.4	1.968	2.910	7.6	19.9
3 22	12 14.00	+22 53.3	1.962	2.903	7.9	19.9
4 1	12 5.11	+23 27.2	1.983	2.896	9.8	20.0
4 11	11 57.03	+23 36.0	2.029	2.888	12.2	20.2
4 21	11 50.55	+23 19.9	2.096	2.881	14.7	20.3
5 1	11 46.18	+22 41.2	2.182	2.873	16.8	20.5

62303 2000 SL_{117} 3 23.8 69°.44 2°.2/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.54	+ 4 2.0	2.281	3.143	10.4	19.1
3 2	12 27.55	+ 4 42.8	2.215	3.147	7.3	18.9
3 12	12 21.08	+ 5 27.8	2.175	3.151	4.1	18.8
3 22	12 13.74	+ 6 12.0	2.163	3.154	2.2	18.6
4 1	12 6.29	+ 6 50.3	2.181	3.158	4.5	18.8
4 11	11 59.50	+ 7 18.4	2.226	3.162	7.7	19.0
4 21	11 54.00	+ 7 33.7	2.297	3.166	10.7	19.2
5 1	11 50.23	+ 7 35.0	2.390	3.170	13.3	19.4

242461 2004 RD_{201} 3 23.8 172°.52 4°.0/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.86	−16 8.2	2.015	2.808	14.3	21.2
3 2	12 30.94	−15 48.3	1.933	2.812	11.2	21.0
3 12	12 23.10	−15 6.7	1.873	2.816	7.9	20.8
3 22	12 14.07	−14 5.4	1.840	2.818	4.8	20.6
4 1	12 4.80	−12 49.0	1.836	2.820	4.4	20.6
4 11	11 56.32	−11 25.1	1.861	2.821	7.2	20.7
4 21	11 49.44	−10 1.6	1.912	2.821	10.6	20.9
5 1	11 44.72	− 8 45.8	1.987	2.820	13.8	21.1

118087 1043 $T\text{-}_3$ 3 23.8 128°.08 2°.4/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.35	−10 45.6	2.504	3.316	11.2	19.6
3 2	12 28.08	−10 43.7	2.425	3.321	8.5	19.4
3 12	12 21.37	−10 29.0	2.371	3.326	5.6	19.2
3 22	12 13.79	−10 3.1	2.344	3.331	2.9	19.1
4 1	12 6.05	− 9 29.3	2.347	3.335	3.1	19.1
4 11	11 58.89	− 8 51.9	2.379	3.340	5.8	19.3
4 21	11 52.94	− 8 15.5	2.439	3.344	8.8	19.5
5 1	11 48.64	− 7 44.1	2.522	3.348	11.4	19.6

205074 1999 RL_{213} 3 23.8 305°.63 0°.1/23.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.03	− 4 2.0	1.443	2.305	15.3	20.7
3 2	12 29.49	− 3 23.7	1.366	2.296	11.1	20.4
3 12	12 22.54	− 2 28.6	1.312	2.287	6.3	20.1
3 22	12 14.00	− 1 22.4	1.282	2.278	1.0	19.7
4 1	12 5.08	− 0 13.4	1.280	2.270	4.5	19.9
4 11	11 57.08	+ 0 49.2	1.303	2.262	9.7	20.2
4 21	11 51.04	+ 1 37.8	1.348	2.254	14.4	20.4
5 1	11 47.66	+ 2 7.7	1.414	2.246	18.3	20.7

94129 2000 YU_{113} 3 23.8 232°.42 5°.9/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.61	−21 15.4	2.406	3.159	13.3	19.6
3 2	12 30.74	−21 41.7	2.304	3.147	11.1	19.4
3 12	12 23.04	−21 48.8	2.224	3.134	8.7	19.2
3 22	12 14.10	−21 35.8	2.171	3.121	6.6	19.1
4 1	12 4.75	−21 3.9	2.145	3.108	6.0	19.0
4 11	11 55.92	−20 17.0	2.148	3.094	7.4	19.0
4 21	11 48.42	−19 21.1	2.177	3.079	9.8	19.2
5 1	11 42.85	−18 22.7	2.231	3.064	12.4	19.3

179015 2001 RH_{66} 3 23.8 246°.52 2°.0/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.42	− 9 32.7	2.136	2.957	12.6	21.1
3 2	12 29.96	− 9 11.2	2.035	2.939	9.5	20.9
3 12	12 22.63	− 8 33.8	1.958	2.920	6.0	20.7
3 22	12 14.04	− 7 42.9	1.910	2.901	2.5	20.4
4 1	12 5.04	− 6 42.9	1.890	2.881	3.3	20.4
4 11	11 56.60	− 5 40.3	1.900	2.860	7.1	20.6
4 21	11 49.54	− 4 41.3	1.936	2.839	10.8	20.8
5 1	11 44.48	− 3 51.5	1.995	2.817	14.1	21.0

457570 2008 YB_{127} 3 23.8 17°.86 5°.5/19.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.44	+ 6 56.1	1.082	1.977	16.5	20.6
3 2	12 29.36	+ 8 9.4	1.035	1.982	11.8	20.4
3 12	12 22.50	+ 9 27.1	1.010	1.987	7.2	20.1
3 22	12 14.02	+10 37.3	1.008	1.994	5.7	20.1
4 1	12 5.40	+11 28.4	1.029	2.002	9.1	20.3
4 11	11 58.20	+11 52.9	1.073	2.011	13.7	20.6
4 21	11 53.45	+11 48.8	1.136	2.021	18.0	20.8
5 1	11 51.72	+11 18.0	1.215	2.032	21.6	21.1

173661 2001 HR_{61} 3 23.8 325°.90 3°.2/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.94	+ 3 46.7	1.384	2.263	14.7	20.0
3 2	12 30.20	+ 4 31.7	1.314	2.253	10.5	19.7
3 12	12 22.96	+ 5 24.5	1.266	2.244	6.0	19.4
3 22	12 14.11	+ 6 17.4	1.243	2.235	3.2	19.2
4 1	12 4.89	+ 7 1.7	1.247	2.227	6.6	19.4
4 11	11 56.68	+ 7 29.7	1.274	2.220	11.3	19.7
4 21	11 50.54	+ 7 37.5	1.324	2.213	15.8	19.9
5 1	11 47.16	+ 7 23.9	1.392	2.206	19.5	20.1

246491 2007 YE_{20} 3 23.8 289°.70 8°.4/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.03	+23 30.3	2.279	3.141	10.4	19.8
3 2	12 26.77	+25 39.2	2.219	3.122	8.9	19.7
3 12	12 20.81	+27 40.0	2.186	3.102	8.4	19.6
3 22	12 13.76	+29 23.6	2.180	3.083	9.3	19.7
4 1	12 6.41	+30 42.6	2.200	3.063	11.1	19.7
4 11	11 59.65	+31 32.9	2.243	3.044	13.2	19.8
4 21	11 54.21	+31 54.2	2.306	3.024	15.3	20.0
5 1	11 50.66	+31 48.3	2.384	3.005	17.1	20.1

426320 2012 UM_2 3 23.8 244°.01 1°.3/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.62	+ 0 7.9	2.205	3.060	11.0	20.9
3 2	12 27.75	+ 0 52.6	2.125	3.054	7.8	20.7
3 12	12 21.28	+ 1 45.4	2.071	3.047	4.2	20.5
3 22	12 13.83	+ 2 41.6	2.045	3.040	1.3	20.2
4 1	12 6.16	+ 3 35.4	2.049	3.033	4.0	20.4
4 11	11 59.11	+ 4 21.5	2.081	3.026	7.6	20.6
4 21	11 53.36	+ 4 55.7	2.139	3.019	10.9	20.8
5 1	11 49.41	+ 5 15.5	2.218	3.012	13.8	21.0

138219 2000 EF_{196} 3 23.8 59°.52 0°.2/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.71	− 4 27.0	1.517	2.374	14.9	20.4
3 2	12 29.69	− 3 49.2	1.456	2.384	10.8	20.2
3 12	12 22.50	− 2 56.2	1.419	2.394	6.1	19.9
3 22	12 14.02	− 1 53.9	1.408	2.404	1.0	19.6
4 1	12 5.41	− 0 50.0	1.424	2.414	4.1	19.9
4 11	11 57.84	+ 0 7.1	1.466	2.425	8.8	20.2
4 21	11 52.19	+ 0 51.4	1.532	2.435	13.1	20.4
5 1	11 49.01	+ 1 18.8	1.618	2.446	16.6	20.7

104035 2000 ER_1 3 23.8 237°.95 0°.5/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.08	− 5 2.5	2.140	2.981	11.8	20.1
3 2	12 28.13	− 4 34.2	2.059	2.978	8.6	19.9
3 12	12 21.52	− 3 54.1	2.003	2.974	4.9	19.7
3 22	12 13.87	− 3 5.8	1.974	2.969	1.1	19.4
4 1	12 6.01	− 2 14.3	1.975	2.965	3.1	19.6
4 11	11 58.79	− 1 25.6	2.004	2.961	7.0	19.8
4 21	11 52.92	− 0 44.4	2.059	2.957	10.5	20.0
5 1	11 48.93	− 0 14.6	2.137	2.952	13.5	20.2

499187 2009 SR_{291} 3 23.8 165°.62 0°.5/24.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.95	− 3 48.8	2.059	2.898	12.3	21.7
3 2	12 31.61	− 3 40.4	1.984	2.901	9.0	21.5
3 12	12 23.45	− 3 21.8	1.934	2.904	5.1	21.3
3 22	12 14.18	− 2 56.3	1.912	2.907	1.1	21.0
4 1	12 4.71	− 2 28.2	1.919	2.909	3.3	21.2
4 11	11 56.01	− 2 2.3	1.956	2.911	7.3	21.4
4 21	11 48.84	− 1 42.9	2.018	2.913	10.8	21.6
5 1	11 43.76	− 1 33.0	2.104	2.914	13.9	21.8

501047 2013 RN_{94} 3 23.8 217°.28 1°.4/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.46	+ 0 59.3	2.381	3.230	10.5	23.1
3 2	12 29.71	+ 1 43.5	2.294	3.220	7.5	22.9
3 12	12 22.37	+ 2 34.9	2.235	3.210	4.1	22.6
3 22	12 14.01	+ 3 28.9	2.204	3.198	1.4	22.4
4 1	12 5.41	+ 4 20.1	2.204	3.186	4.0	22.6
4 11	11 57.38	+ 5 3.6	2.233	3.173	7.5	22.8
4 21	11 50.61	+ 5 35.5	2.289	3.160	10.7	23.0
5 1	11 45.62	+ 5 53.7	2.367	3.146	13.5	23.1

87552 2000 QV_{227} 3 23.8 195°.20 0°.3/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.39	− 4 38.4	2.128	2.969	11.9	20.7
3 2	12 29.07	− 4 3.2	2.048	2.967	8.6	20.5
3 12	12 22.04	− 3 16.0	1.993	2.965	4.9	20.3
3 22	12 13.97	− 2 20.9	1.967	2.963	0.9	20.0
4 1	12 5.68	− 1 23.5	1.970	2.960	3.2	20.1
4 11	11 58.07	− 0 29.6	2.001	2.956	7.2	20.4
4 21	11 51.85	+ 0 15.5	2.059	2.953	10.7	20.6
5 1	11 47.55	+ 0 48.3	2.139	2.949	13.7	20.8

458920 2011 UH_{279} 3 23.8 167°.89 2°.1/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 38.89	+ 2 38.2	2.038	2.891	11.8	22.1
3 2	12 32.25	+ 3 25.3	1.970	2.897	8.4	21.9
3 12	12 23.79	+ 4 18.6	1.928	2.903	4.6	21.6
3 22	12 14.24	+ 5 12.2	1.914	2.907	2.1	21.5
4 1	12 4.55	+ 6 0.1	1.931	2.911	4.8	21.7
4 11	11 55.69	+ 6 36.9	1.977	2.913	8.5	21.9
4 21	11 48.42	+ 6 59.4	2.048	2.915	11.9	22.1
5 1	11 43.27	+ 7 6.1	2.140	2.916	14.8	22.3

315447 2007 WS_{59} 3 23.8 118°.92 0°.8/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.74	− 1 43.0	1.771	2.623	13.4	22.2
3 2	12 31.56	− 1 3.5	1.712	2.638	9.5	22.0
3 12	12 23.43	− 0 13.5	1.678	2.653	5.2	21.8
3 22	12 14.18	+ 0 41.4	1.671	2.667	0.9	21.5
4 1	12 4.86	+ 1 34.4	1.693	2.681	4.1	21.8
4 11	11 56.53	+ 2 19.2	1.743	2.694	8.4	22.0
4 21	11 49.98	+ 2 51.3	1.818	2.707	12.2	22.3
5 1	11 45.71	+ 3 8.1	1.914	2.719	15.3	22.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
94029 2000 XN_{39}			3 23.8 111°.87	4°.7/19.8 18		
	h m	° ′			°	m
2 21	12 39.50	+11 34.6	1.957	2.820	11.8	19.0
3 2	12 32.68	+12 7.1	1.900	2.828	8.6	18.8
3 12	12 24.00	+12 36.6	1.869	2.836	5.7	18.7
3 22	12 14.27	+12 57.4	1.866	2.843	4.8	18.6
4 1	12 4.49	+13 4.5	1.891	2.851	6.9	18.8
4 11	11 55.68	+12 55.1	1.944	2.858	10.0	19.0
4 21	11 48.59	+12 28.8	2.020	2.865	13.0	19.2
5 1	11 43.71	+11 46.9	2.118	2.872	15.6	19.4
371080 2005 UJ_{368}			3 23.8 173°.48	0°.1/23.8 17		
2 21	12 34.17	− 4 0.5	1.999	2.845	12.3	21.9
3 2	12 28.97	− 3 18.3	1.924	2.846	8.9	21.7
3 12	12 22.00	− 2 23.9	1.875	2.848	5.0	21.5
3 22	12 13.97	− 1 21.9	1.853	2.849	0.8	21.1
4 1	12 5.74	− 0 18.6	1.860	2.850	3.5	21.4
4 11	11 58.26	+ 0 39.4	1.896	2.850	7.6	21.6
4 21	11 52.25	+ 1 26.9	1.957	2.850	11.2	21.8
5 1	11 48.25	+ 2 0.3	2.041	2.850	14.3	22.0
46345 2001 SP_{110}			3 23.8 179°.03	0°.8/24.5 18		
2 21	12 40.17	− 5 1.4	1.840	2.677	13.6	19.6
3 2	12 33.43	− 4 47.7	1.763	2.679	10.0	19.4
3 12	12 24.57	− 4 21.1	1.710	2.680	5.8	19.2
3 22	12 14.38	− 3 45.2	1.686	2.681	1.4	18.9
4 1	12 3.94	− 3 5.2	1.690	2.681	3.6	19.0
4 11	11 54.36	− 2 27.3	1.723	2.680	8.0	19.3
4 21	11 46.56	− 1 56.6	1.782	2.678	12.0	19.5
5 1	11 41.12	− 1 37.3	1.863	2.676	15.3	19.7
434304 2004 FC_{21}			3 23.9 303°.82	0°.3/24.0 17		
2 21	12 42.42	− 0 46.2	2.046	2.885	12.4	20.2
3 2	12 35.04	− 1 18.2	1.951	2.870	9.0	19.9
3 12	12 25.52	− 1 45.3	1.883	2.854	5.2	19.7
3 22	12 14.56	− 2 9.1	1.843	2.839	0.9	19.3
4 1	12 3.16	− 2 31.6	1.834	2.824	3.5	19.5
4 11	11 52.43	− 2 55.6	1.855	2.809	7.7	19.7
4 21	11 43.30	− 3 23.3	1.903	2.794	11.6	19.9
5 1	11 36.45	− 3 56.7	1.974	2.780	14.8	20.1
286680 2002 EV_{147}			3 23.9 332°.09	2°.0/22.1 18		
2 21	12 32.26	− 1 12.0	1.337	2.213	15.4	20.6
3 2	12 28.30	+ 0 4.1	1.269	2.207	11.0	20.3
3 12	12 21.92	+ 1 36.8	1.223	2.202	6.0	20.0
3 22	12 13.98	+ 3 16.8	1.203	2.198	2.0	19.7
4 1	12 5.73	+ 4 52.8	1.209	2.194	5.9	20.0
4 11	11 58.48	+ 6 13.4	1.239	2.190	11.0	20.3
4 21	11 53.27	+ 7 11.4	1.292	2.186	15.6	20.5
5 1	11 50.75	+ 7 43.4	1.363	2.183	19.5	20.8
36856 2000 SP_{125}			3 23.9 163°.85	1°.2/22.5 18		
2 21	12 33.26	− 1 6.1	2.107	2.960	11.5	19.7
3 2	12 28.22	− 0 6.3	2.036	2.963	8.1	19.5
3 12	12 21.55	+ 1 3.4	1.991	2.966	4.4	19.2
3 22	12 13.90	+ 2 17.2	1.974	2.969	1.2	19.0
4 1	12 6.11	+ 3 28.6	1.987	2.972	4.0	19.2
4 11	11 59.02	+ 4 31.0	2.028	2.974	7.8	19.5
4 21	11 53.32	+ 5 20.1	2.096	2.975	11.2	19.7
5 1	11 49.49	+ 5 52.9	2.185	2.977	14.0	19.9
268544 2006 AN_{60}			3 23.9 334°.86	0°.4/24.3 17		
2 21	12 33.96	− 4 45.4	1.824	2.672	13.2	21.4
3 2	12 28.99	− 4 17.5	1.749	2.672	9.6	21.2
3 12	12 22.09	− 3 36.2	1.698	2.671	5.5	20.9
3 22	12 14.00	− 2 45.9	1.674	2.670	1.1	20.6
4 1	12 5.69	− 1 52.6	1.679	2.669	3.5	20.8
4 11	11 58.16	− 1 3.0	1.710	2.669	7.8	21.1
4 21	11 52.23	− 0 22.6	1.767	2.668	11.7	21.3
5 1	11 48.46	+ 0 4.5	1.845	2.668	15.1	21.5
332148 2005 XB_{115}			3 23.9 97°.38	2°.0/25.9 18		
2 21	12 35.57	− 9 28.0	1.941	2.767	13.5	21.0
3 2	12 29.93	− 9 8.9	1.877	2.784	10.1	20.8
3 12	12 22.50	− 8 33.9	1.838	2.800	6.2	20.6
3 22	12 14.06	− 7 46.5	1.826	2.817	2.6	20.4
4 1	12 5.53	− 6 51.8	1.842	2.833	3.3	20.5
4 11	11 57.86	− 5 56.5	1.887	2.848	7.0	20.8
4 21	11 51.79	− 5 6.5	1.958	2.864	10.5	21.0
5 1	11 47.81	− 4 26.3	2.051	2.879	13.6	21.2
192041 2005 YG_{287}			3 23.9 300°.63	7°.5/29.9 17		
2 21	12 37.00	−20 49.8	1.825	2.599	16.2	19.9
3 2	12 31.53	−21 42.2	1.734	2.589	13.6	19.6
3 12	12 23.72	−22 12.2	1.664	2.579	10.7	19.4
3 22	12 14.29	−22 17.6	1.617	2.569	8.3	19.3
4 1	12 4.31	−21 58.5	1.596	2.559	7.6	19.2
4 11	11 55.02	−21 19.7	1.602	2.550	9.2	19.3
4 21	11 47.46	−20 28.4	1.631	2.540	12.1	19.4
5 1	11 42.41	−19 33.1	1.683	2.531	15.1	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
42656 1998 FU_{113}			3 23.9 348°.03	3°.6/26.8 18		
	h m	° ′			°	m
2 21	12 34.50	−12 4.5	1.446	2.281	16.8	18.5
3 2	12 29.86	−11 56.2	1.372	2.279	12.9	18.2
3 12	12 22.78	−11 24.4	1.318	2.278	8.5	18.0
3 22	12 14.13	−10 31.6	1.289	2.276	4.4	17.7
4 1	12 5.13	− 9 23.9	1.285	2.275	4.5	17.7
4 11	11 57.10	− 8 10.6	1.308	2.275	8.7	18.0
4 21	11 51.09	− 7 1.2	1.354	2.274	13.2	18.2
5 1	11 47.78	− 6 3.7	1.420	2.274	17.1	18.5
421504 2014 OT_{89}			3 23.9 168°.39	2°.3/21.6 18		
2 21	12 36.06	+ 1 4.4	1.697	2.560	13.3	21.9
3 2	12 30.54	+ 2 16.5	1.631	2.564	9.4	21.6
3 12	12 22.97	+ 3 38.7	1.590	2.567	5.2	21.4
3 22	12 14.15	+ 5 3.4	1.576	2.569	2.3	21.2
4 1	12 5.13	+ 6 21.6	1.591	2.571	5.5	21.4
4 11	11 57.04	+ 7 25.5	1.633	2.573	9.7	21.7
4 21	11 50.71	+ 8 10.3	1.699	2.573	13.6	21.9
5 1	11 46.73	+ 8 34.0	1.785	2.574	16.8	22.1
432984 2012 PX_{12}			3 23.9 246°.83	1°.8/25.8 17		
2 21	12 33.54	− 9 19.2	2.228	3.052	12.1	21.8
3 2	12 28.51	− 8 58.6	2.134	3.040	9.1	21.6
3 12	12 21.79	− 8 23.2	2.065	3.027	5.7	21.3
3 22	12 13.97	− 7 35.5	2.024	3.015	2.4	21.1
4 1	12 5.85	− 6 40.1	2.011	3.002	3.1	21.1
4 11	11 58.30	− 5 42.6	2.027	2.988	6.6	21.3
4 21	11 52.04	− 4 48.8	2.070	2.975	10.1	21.5
5 1	11 47.64	− 4 3.7	2.137	2.961	13.2	21.7
497379 2005 UW_{425}			3 23.9 218°.06	1°.1/25.1 17		
2 21	12 35.02	− 7 29.6	2.316	3.142	11.6	22.8
3 2	12 29.49	− 7 0.2	2.223	3.132	8.6	22.6
3 12	12 22.30	− 6 17.4	2.156	3.122	5.2	22.4
3 22	12 14.06	− 5 24.3	2.118	3.112	1.7	22.1
4 1	12 5.53	− 4 25.6	2.109	3.100	2.9	22.2
4 11	11 57.57	− 3 27.2	2.130	3.088	6.6	22.4
4 21	11 50.90	− 2 34.2	2.178	3.075	10.1	22.6
5 1	11 46.05	− 1 51.2	2.250	3.062	13.1	22.8
166809 2002 VO_{76}			3 23.9 180°.15	0°.5/23.3 18		
2 21	12 35.40	− 0 44.5	2.506	3.349	10.2	20.5
3 2	12 29.55	− 0 27.9	2.428	3.350	7.3	20.3
3 12	12 22.23	− 0 4.8	2.377	3.350	4.0	20.1
3 22	12 14.03	+ 0 21.5	2.354	3.350	0.7	19.8
4 1	12 5.68	+ 0 47.3	2.363	3.350	3.1	20.0
4 11	11 57.93	+ 1 8.7	2.400	3.350	6.5	20.2
4 21	11 51.40	+ 1 22.7	2.465	3.349	9.6	20.4
5 1	11 46.55	+ 1 27.1	2.553	3.348	12.2	20.6
369785 2012 GK_{32}			3 23.9 277°.51	1°.3/25.1 17		
2 21	12 33.42	− 7 43.8	1.728	2.570	14.1	21.2
3 2	12 28.81	− 7 9.9	1.642	2.559	10.5	21.0
3 12	12 22.11	− 6 18.1	1.579	2.548	6.3	20.7
3 22	12 14.04	− 5 12.2	1.543	2.537	2.0	20.4
4 1	12 5.60	− 3 58.8	1.534	2.526	3.6	20.5
4 11	11 57.90	− 2 46.4	1.553	2.514	8.2	20.7
4 21	11 51.86	− 1 42.4	1.596	2.503	12.4	20.9
5 1	11 48.11	− 0 52.8	1.660	2.492	16.1	21.2
147790 2005 QT_{169}			3 23.9 191°.29	3°.7/28.6 18		
2 21	12 31.88	−16 19.6	2.640	3.424	11.5	20.2
3 2	12 27.08	−16 14.4	2.551	3.424	9.1	20.0
3 12	12 20.89	−15 53.2	2.486	3.423	6.5	19.8
3 22	12 13.83	−15 17.2	2.449	3.422	4.3	19.7
4 1	12 6.58	−14 29.2	2.440	3.421	3.8	19.7
4 11	11 59.85	−13 33.9	2.460	3.419	5.8	19.8
4 21	11 54.25	−12 36.4	2.508	3.418	8.4	19.9
5 1	11 50.22	−11 41.9	2.581	3.416	10.9	20.1
422776 2001 UC_{205}			3 23.9 177°.49	2°.1/21.8 17		
2 21	12 38.06	+ 3 53.8	2.185	3.039	11.1	21.5
3 2	12 31.61	+ 4 24.5	2.113	3.041	7.9	21.3
3 12	12 23.44	+ 4 59.2	2.068	3.042	4.4	21.1
3 22	12 14.24	+ 5 33.4	2.051	3.043	2.1	20.9
4 1	12 4.89	+ 6 1.9	2.064	3.043	4.6	21.1
4 11	11 56.28	+ 6 20.7	2.107	3.043	8.1	21.3
4 21	11 49.14	+ 6 27.1	2.175	3.042	11.3	21.5
5 1	11 43.98	+ 6 20.0	2.265	3.041	14.1	21.7
166073 2002 CZ_{86}			3 23.9 290°.94	0°.1/23.9 17		
2 21	12 36.28	− 3 27.1	1.434	2.295	15.4	20.0
3 2	12 31.31	− 3 5.7	1.348	2.277	11.3	19.7
3 12	12 23.73	− 2 28.9	1.285	2.260	6.5	19.4
3 22	12 14.35	− 1 41.3	1.246	2.242	1.1	19.0
4 1	12 4.38	− 0 50.1	1.234	2.224	4.5	19.2
4 11	11 55.25	− 0 3.7	1.247	2.207	9.9	19.4
4 21	11 48.13	+ 0 30.8	1.283	2.190	14.9	19.7
5 1	11 43.85	+ 0 48.5	1.339	2.173	19.1	19.9

500606 2012 UQ_{128} 3 23.9 122°.24 0°.8/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 36.54	+ 0 54.0	2.470	3.315	10.3	21.4
3 2	12 30.32	+ 1 3.9	2.401	3.325	7.3	21.2
3 12	12 22.64	+ 1 18.7	2.359	3.334	4.0	21.0
3 22	12 14.12	+ 1 35.4	2.347	3.342	0.9	20.8
4 1	12 5.51	+ 1 50.2	2.365	3.351	3.3	21.0
4 11	11 57.58	+ 2 0.0	2.413	3.359	6.6	21.2
4 21	11 50.93	+ 2 2.2	2.487	3.367	9.6	21.4
5 1	11 46.00	+ 1 55.3	2.585	3.375	12.1	21.6

313736 2003 UE_{200} 3 23.9 213°.12 0°.1/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.39	− 4 16.0	2.045	2.885	12.3	22.2
3 2	12 30.65	− 3 33.6	1.958	2.877	9.0	22.0
3 12	12 23.03	− 2 38.2	1.896	2.868	5.1	21.7
3 22	12 14.21	− 1 34.4	1.863	2.859	0.8	21.4
4 1	12 5.09	− 0 28.3	1.859	2.849	3.5	21.6
4 11	11 56.64	+ 0 33.4	1.885	2.838	7.7	21.8
4 21	11 49.67	+ 1 25.0	1.936	2.826	11.5	22.0
5 1	11 44.76	+ 2 2.6	2.010	2.813	14.7	22.2

249104 2007 VO_{279} 3 23.9 265°.81 1°.4/25.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.77	− 7 7.8	1.584	2.429	15.0	20.7
3 2	12 30.68	− 6 46.5	1.501	2.419	11.2	20.4
3 12	12 23.25	− 6 7.5	1.440	2.409	6.7	20.1
3 22	12 14.26	− 5 14.3	1.405	2.399	2.1	19.8
4 1	12 4.85	− 4 13.4	1.397	2.388	3.9	19.9
4 11	11 56.26	− 3 13.1	1.415	2.378	8.7	20.1
4 21	11 49.53	− 2 21.0	1.458	2.367	13.3	20.4
5 1	11 45.36	− 1 42.8	1.521	2.356	17.1	20.6

147852 2005 UA_{106} 3 23.9 261°.63 2°.2/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.49	+ 2 7.7	1.792	2.657	12.6	20.3
3 2	12 29.41	+ 2 57.4	1.719	2.653	8.9	20.1
3 12	12 22.37	+ 3 55.2	1.671	2.648	5.0	19.8
3 22	12 14.11	+ 4 54.6	1.650	2.643	2.2	19.7
4 1	12 5.60	+ 5 48.6	1.658	2.639	5.2	19.8
4 11	11 57.89	+ 6 30.6	1.692	2.634	9.3	20.1
4 21	11 51.82	+ 6 56.6	1.750	2.629	13.0	20.3
5 1	11 47.95	+ 7 4.5	1.829	2.625	16.2	20.5

336173 2008 RV_{44} 3 23.9 303°.83 0°.9/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.47	− 3 45.5	1.660	2.522	13.6	20.7
3 2	12 26.83	− 2 28.5	1.567	2.499	9.8	20.4
3 12	12 21.09	− 0 52.6	1.499	2.475	5.4	20.1
3 22	12 13.92	+ 0 55.5	1.457	2.453	1.0	19.7
4 1	12 6.31	+ 2 46.0	1.443	2.430	4.7	19.9
4 11	11 59.35	+ 4 28.2	1.455	2.407	9.6	20.2
4 21	11 53.99	+ 5 53.3	1.492	2.385	14.0	20.4
5 1	11 50.93	+ 6 55.6	1.549	2.363	17.8	20.5

355890 2008 WD_{46} 3 23.9 11°.31 3°.5/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.39	+ 3 58.5	1.177	2.062	16.3	20.6
3 2	12 31.46	+ 4 41.5	1.121	2.063	11.6	20.3
3 12	12 23.75	+ 5 32.2	1.086	2.064	6.6	20.1
3 22	12 14.34	+ 6 21.6	1.074	2.067	3.5	19.9
4 1	12 4.70	+ 7 0.2	1.088	2.070	7.1	20.1
4 11	11 56.36	+ 7 20.5	1.125	2.073	12.1	20.4
4 21	11 50.44	+ 7 19.0	1.182	2.078	16.8	20.6
5 1	11 47.57	+ 6 55.5	1.258	2.083	20.6	20.9

65039 2002 AK_{129} 3 23.9 305°.48 0°.9/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.18	− 0 59.1	2.194	3.049	11.0	19.1
3 2	12 26.80	− 0 18.7	2.109	3.038	7.9	18.9
3 12	12 20.83	+ 0 30.7	2.051	3.027	4.3	18.6
3 22	12 13.86	+ 1 24.7	2.020	3.016	1.0	18.4
4 1	12 6.65	+ 2 17.9	2.019	3.005	3.7	18.6
4 11	12 0.02	+ 3 4.5	2.045	2.994	7.4	18.8
4 21	11 54.66	+ 3 40.3	2.097	2.984	10.8	19.0
5 1	11 51.06	+ 4 2.5	2.170	2.974	13.7	19.1

466915 2015 FG_{319} 3 23.9 239°.30 2°.7/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.95	+ 6 2.4	2.769	3.629	8.9	21.8
3 2	12 27.08	+ 7 3.1	2.683	3.613	6.3	21.6
3 12	12 20.89	+ 8 7.3	2.625	3.598	3.8	21.4
3 22	12 13.88	+ 9 10.2	2.596	3.582	2.8	21.3
4 1	12 6.65	+10 6.7	2.598	3.565	4.7	21.4
4 11	11 59.87	+10 52.5	2.628	3.548	7.5	21.6
4 21	11 54.12	+11 24.6	2.685	3.530	10.1	21.7
5 1	11 49.83	+11 41.8	2.763	3.512	12.4	21.9

138264 2000 GQ_{11} 3 23.9 95°.55 0°.3/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.97	− 3 16.1	1.699	2.551	13.8	20.3
3 2	12 30.41	− 2 35.1	1.640	2.565	9.9	20.1
3 12	12 22.87	− 1 41.5	1.605	2.579	5.5	19.8
3 22	12 14.19	− 0 41.0	1.597	2.593	0.8	19.5
4 1	12 5.43	+ 0 19.2	1.617	2.607	4.0	19.8
4 11	11 57.64	+ 1 11.9	1.665	2.620	8.4	20.1
4 21	11 51.64	+ 1 52.0	1.737	2.633	12.2	20.3
5 1	11 47.92	+ 2 16.4	1.831	2.646	15.5	20.6

501012 2013 RB_{39} 3 23.9 235°.83 0°.1/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.01	− 4 0.1	1.984	2.830	12.4	22.4
3 2	12 28.99	− 3 15.0	1.899	2.821	9.0	22.1
3 12	12 22.13	− 2 16.7	1.839	2.812	5.0	21.9
3 22	12 14.09	− 1 10.0	1.806	2.802	0.8	21.6
4 1	12 5.77	− 0 1.4	1.803	2.792	3.6	21.8
4 11	11 58.11	+ 1 2.2	1.828	2.782	7.8	22.0
4 21	11 51.90	+ 1 55.0	1.878	2.771	11.6	22.2
5 1	11 47.74	+ 2 33.0	1.951	2.760	14.9	22.4

460728 2014 VM_{12} 3 23.9 294°.91 0°.2/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.40	− 3 35.4	1.476	2.337	15.0	20.8
3 2	12 29.89	− 2 58.4	1.388	2.318	11.0	20.5
3 12	12 22.92	− 2 4.7	1.324	2.299	6.2	20.2
3 22	12 14.25	− 0 59.6	1.284	2.280	0.9	19.8
4 1	12 5.04	+ 0 8.8	1.272	2.262	4.6	20.0
4 11	11 56.61	+ 1 11.2	1.284	2.243	9.9	20.2
4 21	11 50.09	+ 1 59.9	1.320	2.225	14.7	20.5
5 1	11 46.26	+ 2 29.8	1.376	2.207	18.8	20.7

419575 2010 RH_{53} 3 23.9 154°.62 1°.7/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.18	− 8 38.0	2.033	2.857	13.0	22.0
3 2	12 31.12	− 8 16.6	1.959	2.866	9.7	21.8
3 12	12 23.24	− 7 40.2	1.910	2.873	5.9	21.6
3 22	12 14.27	− 6 52.0	1.888	2.880	2.3	21.3
4 1	12 5.12	− 5 57.1	1.896	2.886	3.2	21.4
4 11	11 56.77	− 5 1.9	1.932	2.892	7.0	21.7
4 21	11 49.97	− 4 12.1	1.995	2.897	10.6	21.9
5 1	11 45.25	− 3 32.4	2.082	2.901	13.7	22.1

35896 1999 JW_{84} 3 23.9 212°.32 1°.1/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.73	− 1 13.2	2.057	2.910	11.7	19.7
3 2	12 28.69	− 0 19.9	1.978	2.905	8.4	19.5
3 12	12 21.91	+ 0 43.7	1.925	2.901	4.6	19.2
3 22	12 14.07	+ 1 52.2	1.900	2.896	1.1	19.0
4 1	12 5.99	+ 2 59.1	1.905	2.890	4.0	19.2
4 11	11 58.60	+ 3 57.9	1.938	2.885	7.9	19.4
4 21	11 52.61	+ 4 43.8	1.996	2.879	11.5	19.6
5 1	11 48.57	+ 5 13.8	2.076	2.873	14.5	19.8

301087 2008 UQ_{338} 3 23.9 286°.10 3°.8/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 39.00	+ 5 29.8	1.372	2.247	15.1	21.0
3 2	12 33.17	+ 6 10.0	1.305	2.242	10.8	20.7
3 12	12 24.69	+ 6 55.3	1.261	2.237	6.3	20.4
3 22	12 14.53	+ 7 37.9	1.242	2.232	3.8	20.3
4 1	12 4.04	+ 8 9.3	1.249	2.227	7.0	20.4
4 11	11 54.67	+ 8 23.0	1.281	2.222	11.7	20.7
4 21	11 47.53	+ 8 16.2	1.335	2.218	16.1	20.9
5 1	11 43.31	+ 7 48.9	1.408	2.213	19.8	21.2

253693 2003 UY_{260} 3 23.9 185°.45 1°.4/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.96	+ 3 3.4	3.067	3.918	8.3	21.0
3 2	12 26.91	+ 3 29.4	2.991	3.918	5.9	20.8
3 12	12 20.72	+ 3 58.7	2.943	3.917	3.2	20.6
3 22	12 13.87	+ 4 28.2	2.924	3.917	1.4	20.5
4 1	12 6.91	+ 4 54.5	2.936	3.916	3.3	20.6
4 11	12 0.41	+ 5 14.6	2.977	3.915	5.9	20.8
4 21	11 54.86	+ 5 26.3	3.045	3.914	8.4	21.0
5 1	11 50.63	+ 5 28.3	3.137	3.912	10.5	21.1

68177 2001 BY_{46} 3 23.9 254°.79 6°.0/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.53	−22 1.7	2.317	3.071	13.8	19.0
3 2	12 29.38	−22 11.8	2.209	3.053	11.5	18.8
3 12	12 22.40	−22 0.5	2.124	3.035	9.0	18.6
3 22	12 14.17	−21 27.1	2.064	3.016	6.8	18.4
4 1	12 5.52	−20 33.1	2.031	2.997	6.0	18.3
4 11	11 57.37	−19 23.6	2.027	2.977	7.4	18.3
4 21	11 50.55	−18 5.3	2.049	2.957	10.0	18.5
5 1	11 45.68	−16 45.8	2.095	2.936	12.8	18.6

417792 2007 ED_{95} 3 23.9 82°.64 2°.8/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 44.33	+ 6 43.3	1.773	2.629	13.2	20.3
3 2	12 36.32	+ 6 38.5	1.711	2.639	9.4	20.1
3 12	12 26.15	+ 6 33.9	1.675	2.649	5.4	19.9
3 22	12 14.75	+ 6 25.4	1.667	2.658	2.8	19.7
4 1	12 3.29	+ 6 8.9	1.689	2.668	5.4	19.9
4 11	11 52.95	+ 5 42.1	1.739	2.678	9.3	20.2
4 21	11 44.62	+ 5 4.3	1.815	2.688	12.9	20.4
5 1	11 38.82	+ 4 15.8	1.912	2.698	16.0	20.6

315391 2007 VX_{107} 3 23.9 101°.25 0°.9/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.31	− 6 27.6	1.665	2.507	14.6	21.7
3 2	12 31.39	− 5 53.5	1.607	2.525	10.6	21.5
3 12	12 23.43	− 5 3.7	1.572	2.543	6.2	21.3
3 22	12 14.31	− 4 3.3	1.565	2.560	1.6	21.0
4 1	12 5.13	− 2 59.3	1.586	2.577	3.6	21.2
4 11	11 56.99	− 1 59.5	1.634	2.593	8.1	21.5
4 21	11 50.72	− 1 10.0	1.707	2.609	12.0	21.8
5 1	11 46.81	− 0 34.9	1.802	2.625	15.4	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
380158 2000 EJ_{51}			3 23.9	23°.99	0°.2/24.0 15	
	h m	° ′			°	m
2 21	12 32.08	− 4 14.7	1.612	2.471	14.1	21.1
3 2	12 27.77	− 3 40.7	1.551	2.479	10.2	20.9
3 12	12 21.48	− 2 52.7	1.512	2.487	5.7	20.6
3 22	12 14.01	− 1 56.0	1.500	2.496	1.0	20.3
4 1	12 6.40	− 0 57.8	1.514	2.505	3.8	20.6
4 11	11 59.70	− 0 5.4	1.555	2.515	8.3	20.8
4 21	11 54.74	+ 0 35.2	1.620	2.526	12.3	21.1
5 1	11 52.03	+ 1 0.4	1.705	2.537	15.7	21.3
188027 2001 UF_{84}			3 23.9	159°.25	3°.7/28.6 16	
2 21	12 34.67	−17 12.5	2.459	3.238	12.4	20.5
3 2	12 29.14	−16 48.2	2.376	3.246	9.8	20.4
3 12	12 22.08	−16 5.1	2.317	3.253	7.0	20.2
3 22	12 14.12	−15 5.1	2.286	3.260	4.4	20.1
4 1	12 6.01	−13 52.3	2.284	3.266	3.9	20.0
4 11	11 58.54	−12 32.6	2.312	3.271	6.1	20.2
4 21	11 52.35	−11 12.6	2.368	3.276	8.9	20.3
5 1	11 47.92	− 9 58.1	2.449	3.280	11.6	20.5
419539 2010 MA_{65}			3 23.9	253°.88	2°.5/21.6 17	
2 21	12 36.80	+ 2 38.8	1.758	2.621	12.9	21.7
3 2	12 31.27	+ 3 30.5	1.673	2.605	9.2	21.4
3 12	12 23.55	+ 4 30.9	1.612	2.588	5.2	21.1
3 22	12 14.38	+ 5 33.5	1.579	2.571	2.5	20.9
4 1	12 4.79	+ 6 30.5	1.574	2.554	5.6	21.1
4 11	11 55.94	+ 7 14.8	1.596	2.536	9.9	21.3
4 21	11 48.78	+ 7 41.8	1.642	2.517	13.9	21.5
5 1	11 43.98	+ 7 49.3	1.708	2.498	17.4	21.7
286606 2002 DV			3 23.9	260°.07	2°.5/26.8 17	
2 21	12 33.22	−11 13.2	2.583	3.392	11.0	20.7
3 2	12 28.15	−11 12.3	2.485	3.379	8.5	20.5
3 12	12 21.58	−10 58.5	2.412	3.366	5.6	20.3
3 22	12 14.05	−10 33.2	2.367	3.352	3.0	20.1
4 1	12 6.24	− 9 59.1	2.351	3.339	3.1	20.1
4 11	11 58.90	− 9 20.6	2.365	3.325	5.8	20.2
4 21	11 52.68	− 8 42.0	2.406	3.312	8.8	20.4
5 1	11 48.07	− 8 7.8	2.471	3.298	11.6	20.6
300160 2006 VV_{126}			3 23.9	216°.71	5°.1/30.7 18	
2 21	12 31.99	−21 57.0	2.662	3.412	12.3	20.8
3 2	12 27.26	−21 54.9	2.566	3.407	10.2	20.7
3 12	12 21.07	−21 33.6	2.493	3.403	7.9	20.5
3 22	12 13.96	−20 53.5	2.446	3.397	5.9	20.4
4 1	12 6.63	−19 56.8	2.426	3.392	5.1	20.3
4 11	11 59.81	−18 48.2	2.436	3.387	6.3	20.4
4 21	11 54.14	−17 33.6	2.472	3.381	8.5	20.5
5 1	11 50.09	−16 19.1	2.534	3.375	10.9	20.6
461783 2005 VE_{15}			3 23.9	274°.28	13°.9/11.4 18	
2 21	12 51.90	+39 25.4	1.854	2.647	15.3	20.1
3 2	12 41.90	+40 20.9	1.818	2.646	14.3	20.0
3 12	12 29.24	+40 47.8	1.804	2.644	13.9	20.0
3 22	12 15.24	+40 37.7	1.811	2.643	14.4	20.0
4 1	12 1.54	+39 47.0	1.841	2.642	15.6	20.1
4 11	11 49.63	+38 18.2	1.893	2.640	17.2	20.2
4 21	11 40.48	+36 18.4	1.962	2.639	18.8	20.3
5 1	11 34.51	+33 55.9	2.048	2.638	20.2	20.5
31999 2000 HF_{47}			3 23.9	151°.70	3°.7/28.2 18	
2 21	12 34.20	−16 25.5	2.127	2.919	13.6	19.4
3 2	12 28.99	−15 51.8	2.047	2.927	10.7	19.2
3 12	12 22.07	−14 56.9	1.991	2.934	7.4	19.0
3 22	12 14.13	−13 43.1	1.962	2.941	4.5	18.8
4 1	12 6.02	−12 15.9	1.962	2.947	4.0	18.8
4 11	11 58.65	−10 42.7	1.990	2.952	6.6	18.9
4 21	11 52.74	− 9 11.3	2.046	2.957	9.9	19.2
5 1	11 48.78	− 7 48.6	2.126	2.962	12.9	19.4
134031 2004 WY			3 23.9	167°.50	1°.8/22.2 18	
2 21	12 37.48	+ 0 34.6	1.845	2.701	12.7	20.9
3 2	12 31.47	+ 1 30.2	1.777	2.706	9.0	20.7
3 12	12 23.51	+ 2 35.0	1.734	2.710	4.9	20.5
3 22	12 14.37	+ 3 42.6	1.719	2.713	1.8	20.3
4 1	12 5.05	+ 4 45.7	1.733	2.716	4.8	20.5
4 11	11 56.60	+ 5 37.5	1.776	2.718	8.9	20.7
4 21	11 49.84	+ 6 13.8	1.843	2.720	12.6	20.9
5 1	11 45.30	+ 6 32.3	1.931	2.720	15.7	21.2
13101 Fransson			3 23.9	229°.01	0°.7/23.2 18	
2 21	12 34.07	− 3 8.6	1.788	2.641	13.2	18.6
3 2	12 29.19	− 2 9.2	1.708	2.635	9.5	18.4
3 12	12 22.32	− 0 55.5	1.654	2.629	5.2	18.1
3 22	12 14.19	+ 0 26.4	1.626	2.622	0.9	17.8
4 1	12 5.77	+ 1 48.6	1.628	2.615	4.2	18.0
4 11	11 58.11	+ 3 2.6	1.656	2.608	8.7	18.3
4 21	11 52.06	+ 4 2.2	1.710	2.600	12.7	18.5
5 1	11 48.23	+ 4 43.5	1.785	2.593	16.1	18.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
28659 2000 GB_{36}			3 23.9	18°.01	0°.5/24.4 18	
	h m	° ′			°	m
2 21	12 33.09	− 4 53.4	1.974	2.820	12.5	18.1
3 2	12 28.28	− 4 27.7	1.900	2.821	9.1	17.9
3 12	12 21.71	− 3 49.7	1.850	2.822	5.2	17.6
3 22	12 14.08	− 3 3.4	1.828	2.823	1.1	17.3
4 1	12 6.26	− 2 14.2	1.834	2.825	3.3	17.5
4 11	11 59.16	− 1 28.0	1.868	2.826	7.3	17.7
4 21	11 53.52	− 0 49.9	1.927	2.828	10.9	18.0
5 1	11 49.86	− 0 23.8	2.008	2.830	14.1	18.2
135255 2001 SP_{45}			3 23.9	164°.35	2°.7/20.8 18	
2 21	12 34.67	+ 6 30.9	2.459	3.318	9.8	19.9
3 2	12 29.06	+ 7 7.3	2.391	3.321	7.0	19.7
3 12	12 22.01	+ 7 45.6	2.350	3.323	4.1	19.5
3 22	12 14.12	+ 8 21.0	2.338	3.325	2.7	19.4
4 1	12 6.12	+ 8 49.3	2.356	3.327	4.8	19.6
4 11	11 58.75	+ 9 6.7	2.402	3.329	7.7	19.8
4 21	11 52.63	+ 9 11.4	2.474	3.331	10.5	19.9
5 1	11 48.20	+ 9 2.7	2.568	3.332	12.9	20.1
127946 2003 HD_{8}			3 23.9	309°.74	3°.1/26.5 18	
2 21	12 33.66	−11 39.1	1.371	2.212	17.2	19.7
3 2	12 29.44	−11 12.4	1.293	2.206	13.2	19.4
3 12	12 22.69	−10 19.8	1.237	2.200	8.5	19.2
3 22	12 14.27	− 9 4.7	1.204	2.194	4.0	18.9
4 1	12 5.43	− 7 34.8	1.197	2.188	4.4	18.9
4 11	11 57.55	− 6 1.3	1.215	2.183	9.1	19.1
4 21	11 51.75	− 4 35.3	1.257	2.178	14.0	19.4
5 1	11 48.73	− 3 25.3	1.319	2.173	18.2	19.6
297584 2001 SY_{31}			3 23.9	229°.07	1°.1/22.9 17	
2 21	12 39.01	− 0 53.9	1.801	2.652	13.2	21.8
3 2	12 32.83	− 0 15.8	1.714	2.640	9.5	21.5
3 12	12 24.42	+ 0 33.5	1.651	2.626	5.3	21.2
3 22	12 14.54	+ 1 28.6	1.616	2.612	1.2	20.9
4 1	12 4.25	+ 2 22.8	1.611	2.597	4.5	21.1
4 11	11 54.69	+ 3 9.1	1.633	2.581	9.0	21.3
4 21	11 46.85	+ 3 42.2	1.680	2.564	13.2	21.5
5 1	11 41.41	+ 3 59.0	1.748	2.547	16.7	21.7
341564 2007 UH_{43}			3 23.9	199°.94	1°.1/22.6 17	
2 21	12 33.17	− 0 2.4	2.371	3.222	10.4	21.3
3 2	12 28.09	+ 0 37.1	2.294	3.220	7.4	21.1
3 12	12 21.52	+ 1 24.0	2.242	3.218	4.1	20.9
3 22	12 14.05	+ 2 13.9	2.220	3.215	1.1	20.6
4 1	12 6.41	+ 3 1.9	2.227	3.212	3.6	20.8
4 11	11 59.36	+ 3 43.0	2.264	3.209	7.1	21.0
4 21	11 53.54	+ 4 13.6	2.326	3.206	10.2	21.2
5 1	11 49.41	+ 4 31.4	2.411	3.202	12.9	21.4
210123 2006 RN_{47}			3 23.9	148°.55	0°.9/22.8 17	
2 21	12 32.24	− 0 34.7	2.387	3.238	10.4	21.5
3 2	12 27.39	+ 0 5.9	2.314	3.241	7.4	21.3
3 12	12 21.11	+ 0 54.0	2.268	3.243	4.0	21.1
3 22	12 13.98	+ 1 45.3	2.250	3.246	1.0	20.9
4 1	12 6.72	+ 2 34.9	2.262	3.248	3.5	21.1
4 11	12 0.06	+ 3 17.9	2.303	3.250	6.9	21.3
4 21	11 54.61	+ 3 50.6	2.370	3.252	9.9	21.5
5 1	11 50.81	+ 4 10.8	2.459	3.254	12.6	21.7
419844 2010 YP_{5}			3 23.9	120°.73	1°.0/24.9 18	
2 21	12 36.98	− 6 42.9	2.150	2.979	12.2	22.6
3 2	12 30.80	− 6 13.7	2.088	2.999	8.9	22.4
3 12	12 23.00	− 5 31.9	2.051	3.018	5.2	22.2
3 22	12 14.28	− 4 41.3	2.042	3.036	1.5	22.0
4 1	12 5.52	− 3 47.3	2.063	3.054	3.0	22.1
4 11	11 57.57	− 2 55.4	2.114	3.071	6.7	22.4
4 21	11 51.10	− 2 10.8	2.191	3.088	10.0	22.6
5 1	11 46.57	− 1 36.8	2.292	3.103	12.9	22.8
117013 2004 JA_{5}			3 23.9	292°.65	2°.7/26.4 18	
2 21	12 34.94	−10 18.9	2.253	3.069	12.2	20.0
3 2	12 29.69	−10 27.2	2.143	3.042	9.4	19.8
3 12	12 22.62	−10 21.9	2.058	3.015	6.2	19.5
3 22	12 14.27	−10 4.0	2.000	2.987	3.2	19.3
4 1	12 5.43	− 9 36.2	1.971	2.959	3.5	19.3
4 11	11 57.03	− 9 3.0	1.970	2.931	6.8	19.4
4 21	11 49.89	− 8 29.4	1.996	2.903	10.3	19.6
5 1	11 44.65	− 8 0.4	2.046	2.875	13.5	19.7
345691 2006 UK_{169}			3 23.9	78°.25	5°.9/17.7 18	
2 21	12 37.22	+17 25.6	2.280	3.140	10.5	20.9
3 2	12 30.90	+18 6.8	2.232	3.151	8.0	20.8
3 12	12 23.02	+18 40.9	2.210	3.161	6.2	20.7
3 22	12 14.29	+19 2.4	2.215	3.171	6.1	20.7
4 1	12 5.57	+19 7.3	2.249	3.181	7.7	20.8
4 11	11 57.70	+18 53.6	2.309	3.192	10.0	21.0
4 21	11 51.32	+18 21.9	2.393	3.202	12.4	21.2
5 1	11 46.84	+17 34.1	2.498	3.212	14.4	21.3

303434 2005 AY_{36} 3 23.9 46°.32 2°.1/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.63	− 0 58.9	1.146	2.026	17.0	19.7
3 2	12 29.97	+ 0 13.4	1.108	2.048	12.0	19.5
3 12	12 22.79	+ 1 39.4	1.092	2.071	6.4	19.3
3 22	12 14.26	+ 3 8.4	1.099	2.094	2.1	19.1
4 1	12 5.80	+ 4 28.8	1.132	2.119	6.0	19.4
4 11	11 58.77	+ 5 30.8	1.190	2.143	11.1	19.7
4 21	11 54.09	+ 6 9.4	1.268	2.168	15.5	20.0
5 1	11 52.21	+ 6 23.4	1.365	2.193	19.1	20.4

196299 2003 FN_{1} 3 23.9 22°.37 2°.1/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 21.01	−20 43.1	0.843	1.697	24.1	18.0
3 2	12 20.90	−17 14.5	0.792	1.711	18.3	17.7
3 12	12 18.02	−12 40.1	0.760	1.728	11.4	17.4
3 22	12 13.51	− 7 21.4	0.753	1.746	4.0	17.1
4 1	12 8.92	− 1 54.6	0.773	1.767	4.9	17.2
4 11	12 5.73	+ 3 1.0	0.819	1.789	11.8	17.6
4 21	12 4.87	+ 7 0.1	0.888	1.813	17.8	18.1
5 1	12 6.76	+ 9 53.9	0.977	1.839	22.4	18.4

36221 1999 TS_{244} 3 23.9 307°.02 0°.4/23.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.73	− 2 45.1	2.273	3.123	10.9	18.6
3 2	12 26.44	− 2 1.5	2.192	3.117	7.8	18.4
3 12	12 20.65	− 1 7.7	2.137	3.111	4.3	18.2
3 22	12 13.93	− 0 8.1	2.109	3.105	0.7	17.9
4 1	12 7.01	+ 0 51.8	2.111	3.100	3.3	18.1
4 11	12 0.67	+ 1 46.5	2.142	3.094	6.9	18.3
4 21	11 55.55	+ 2 31.3	2.198	3.089	10.2	18.5
5 1	11 52.11	+ 3 3.1	2.277	3.083	13.1	18.7

94511 2001 UA_{84} 3 23.9 195°.37 4°.3/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 39.05	+ 7 29.8	1.739	2.606	12.9	20.1
3 2	12 32.76	+ 8 31.6	1.672	2.604	9.2	19.9
3 12	12 24.31	+ 9 36.5	1.629	2.601	5.7	19.7
3 22	12 14.53	+10 36.5	1.614	2.598	4.4	19.6
4 1	12 4.52	+11 24.0	1.627	2.594	7.0	19.7
4 11	11 55.44	+11 53.1	1.667	2.590	10.8	20.0
4 21	11 48.18	+12 1.4	1.730	2.585	14.4	20.2
5 1	11 43.35	+11 49.1	1.813	2.579	17.4	20.4

64574 2001 WD_{40} 3 23.9 77°.69 4°.3/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.35	−15 37.6	1.427	2.248	17.7	19.0
3 2	12 29.74	−15 8.1	1.359	2.256	13.8	18.7
3 12	12 22.74	−14 9.8	1.313	2.265	9.4	18.5
3 22	12 14.28	−12 46.0	1.290	2.273	5.4	18.3
4 1	12 5.60	−11 4.6	1.293	2.282	4.9	18.3
4 11	11 58.01	− 9 17.1	1.323	2.290	8.6	18.5
4 21	11 52.47	− 7 35.1	1.377	2.299	12.9	18.8
5 1	11 49.60	− 6 7.9	1.452	2.307	16.7	19.0

412031 2013 CA_{112} 3 23.9 331°.14 3°.7/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 38.59	− 9 42.4	1.307	2.151	17.7	20.9
3 2	12 33.15	−10 7.9	1.233	2.146	13.6	20.6
3 12	12 24.86	−10 13.5	1.179	2.142	8.9	20.3
3 22	12 14.65	−10 0.0	1.150	2.138	4.5	20.0
4 1	12 3.94	− 9 31.6	1.145	2.135	5.0	20.1
4 11	11 54.30	− 8 56.0	1.165	2.132	9.6	20.3
4 21	11 46.97	− 8 21.5	1.208	2.129	14.4	20.6
5 1	11 42.76	− 7 55.3	1.271	2.126	18.6	20.8

320282 2007 RQ_{151} 3 23.9 104°.18 1°.8/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.41	− 9 54.1	2.083	2.909	12.7	20.7
3 2	12 27.73	− 9 21.7	2.007	2.914	9.5	20.5
3 12	12 21.39	− 8 33.1	1.956	2.919	5.9	20.2
3 22	12 14.06	− 7 31.9	1.932	2.923	2.5	20.0
4 1	12 6.56	− 6 23.5	1.937	2.928	3.1	20.1
4 11	11 59.75	− 5 14.5	1.970	2.932	6.7	20.3
4 21	11 54.34	− 4 11.2	2.029	2.937	10.1	20.5
5 1	11 50.82	− 3 18.6	2.112	2.941	13.2	20.7

495335 2014 MA_{25} 3 23.9 194°.10 2°.0/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.74	+ 1 35.8	2.007	2.861	12.0	22.4
3 2	12 31.61	+ 2 32.2	1.931	2.859	8.5	22.2
3 12	12 23.60	+ 3 36.7	1.880	2.856	4.7	22.0
3 22	12 14.42	+ 4 43.3	1.858	2.852	2.0	21.8
4 1	12 5.01	+ 5 45.1	1.866	2.847	4.8	21.9
4 11	11 56.34	+ 6 35.8	1.903	2.841	8.7	22.2
4 21	11 49.23	+ 7 11.3	1.965	2.834	12.3	22.4
5 1	11 44.23	+ 7 29.5	2.048	2.827	15.3	22.6

329378 2001 WT_{72} 3 23.9 177°.98 5°.9/18.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.89	+14 19.1	1.990	2.855	11.5	21.1
3 2	12 31.67	+15 19.6	1.931	2.857	8.7	20.9
3 12	12 23.58	+16 15.9	1.898	2.857	6.4	20.8
3 22	12 14.41	+17 0.9	1.893	2.858	6.1	20.7
4 1	12 5.12	+17 28.4	1.915	2.858	8.1	20.9
4 11	11 56.70	+17 35.1	1.964	2.858	11.0	21.0
4 21	11 49.93	+17 20.6	2.036	2.857	13.8	21.2
5 1	11 45.31	+16 46.4	2.127	2.856	16.2	21.4

79221 1994 PN_{7} 3 23.9 116°.53 1°.8/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.69	− 0 20.1	1.717	2.579	13.2	19.7
3 2	12 29.55	+ 0 47.4	1.656	2.588	9.4	19.5
3 12	12 22.47	+ 2 5.7	1.619	2.596	5.1	19.2
3 22	12 14.24	+ 3 27.4	1.610	2.605	1.8	19.0
4 1	12 5.89	+ 4 44.3	1.629	2.613	4.9	19.3
4 11	11 58.44	+ 5 48.5	1.675	2.621	9.1	19.5
4 21	11 52.71	+ 6 35.3	1.746	2.628	12.9	19.8
5 1	11 49.21	+ 7 2.3	1.837	2.636	16.1	20.0

175683 1995 OK_{13} 3 23.9 170°.87 0°.6/23.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.57	− 2 33.1	2.021	2.867	12.2	21.7
3 2	12 30.72	− 1 47.6	1.948	2.871	8.8	21.5
3 12	12 23.07	− 0 51.2	1.900	2.874	4.8	21.3
3 22	12 14.34	+ 0 11.1	1.881	2.877	0.8	21.0
4 1	12 5.43	+ 1 13.0	1.891	2.879	3.7	21.2
4 11	11 57.29	+ 2 8.1	1.930	2.880	7.8	21.5
4 21	11 50.67	+ 2 51.6	1.995	2.881	11.4	21.7
5 1	11 46.09	+ 3 20.5	2.082	2.881	14.4	21.9

458971 2011 WK_{24} 3 23.9 113°.89 2°.4/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 38.65	+ 2 24.9	1.702	2.563	13.4	22.1
3 2	12 32.31	+ 3 16.9	1.649	2.580	9.4	21.9
3 12	12 23.96	+ 4 15.6	1.621	2.597	5.2	21.7
3 22	12 14.48	+ 5 14.2	1.620	2.613	2.4	21.5
4 1	12 4.98	+ 6 5.4	1.648	2.628	5.3	21.7
4 11	11 56.54	+ 6 43.2	1.703	2.644	9.4	22.0
4 21	11 49.96	+ 7 4.2	1.782	2.658	13.0	22.2
5 1	11 45.73	+ 7 7.6	1.882	2.672	16.0	22.5

421654 2014 OR_{355} 3 23.9 272°.99 1°.4/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.79	− 1 5.2	1.453	2.318	15.0	21.7
3 2	12 31.73	− 0 18.3	1.366	2.298	10.9	21.4
3 12	12 24.05	+ 0 43.6	1.301	2.278	6.0	21.0
3 22	12 14.56	+ 1 53.9	1.263	2.258	1.5	20.7
4 1	12 4.46	+ 3 3.6	1.251	2.238	5.4	20.9
4 11	11 55.18	+ 4 3.2	1.265	2.217	10.7	21.1
4 21	11 47.88	+ 4 45.5	1.301	2.196	15.6	21.3
5 1	11 43.40	+ 5 6.4	1.357	2.175	19.7	21.5

436713 2011 UU_{58} 3 23.9 196°.71 0°.6/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.76	− 1 18.5	2.749	3.594	9.4	22.1
3 2	12 26.93	− 0 39.8	2.668	3.591	6.7	21.9
3 12	12 20.84	+ 0 6.2	2.615	3.589	3.7	21.7
3 22	12 13.99	+ 0 55.7	2.590	3.586	0.7	21.5
4 1	12 6.98	+ 1 44.5	2.596	3.583	3.0	21.6
4 11	12 0.47	+ 2 28.3	2.632	3.580	6.1	21.8
4 21	11 55.00	+ 3 3.6	2.695	3.576	8.9	22.0
5 1	11 50.98	+ 3 28.2	2.781	3.572	11.4	22.2

496875 2000 SW_{26} 3 23.9 145°.25 5°.1/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.20	−22 33.6	3.178	3.904	10.9	22.3
3 2	12 30.76	−23 4.0	3.093	3.915	9.1	22.1
3 12	12 22.96	−23 18.9	3.032	3.926	7.2	22.0
3 22	12 14.33	−23 17.9	2.998	3.936	5.6	21.9
4 1	12 5.52	−23 2.0	2.994	3.946	5.1	21.9
4 11	11 57.20	−22 34.2	3.019	3.955	6.0	22.0
4 21	11 49.96	−21 58.6	3.073	3.963	7.7	22.1
5 1	11 44.22	−21 19.6	3.152	3.972	9.5	22.2

230086 2000 WR_{131} 3 23.9 146°.40 0°.2/23.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.84	− 4 10.5	2.564	3.399	10.3	21.7
3 2	12 28.42	− 3 15.0	2.494	3.411	7.4	21.5
3 12	12 21.65	− 2 9.5	2.452	3.423	4.1	21.3
3 22	12 14.11	− 0 58.5	2.439	3.435	0.6	21.0
4 1	12 6.50	+ 0 12.7	2.457	3.445	2.9	21.2
4 11	11 59.50	+ 1 18.7	2.505	3.455	6.2	21.5
4 21	11 53.67	+ 2 15.2	2.581	3.464	9.2	21.7
5 1	11 49.44	+ 2 59.2	2.681	3.473	11.7	21.9

39870 1998 DX_{27} 3 23.9 193°.01 1°.4/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.01	− 8 40.3	1.874	2.704	13.7	20.3
3 2	12 30.53	− 8 1.2	1.792	2.703	10.2	20.1
3 12	12 23.07	− 7 4.5	1.735	2.701	6.2	19.8
3 22	12 14.37	− 5 54.1	1.705	2.698	2.1	19.6
4 1	12 5.39	− 4 36.7	1.703	2.695	3.4	19.6
4 11	11 57.19	− 3 20.1	1.731	2.691	7.6	19.9
4 21	11 50.59	− 2 11.5	1.784	2.686	11.6	20.1
5 1	11 46.20	− 1 16.4	1.859	2.681	15.0	20.3

427421 2000 QO_{133} 3 23.9 178°.88 1°.8/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.27	− 9 2.0	2.627	3.437	10.8	22.2
3 2	12 30.94	− 8 55.7	2.541	3.439	8.1	22.0
3 12	12 23.11	− 8 37.9	2.482	3.441	5.1	21.8
3 22	12 14.36	− 8 10.4	2.452	3.441	2.3	21.6
4 1	12 5.43	− 7 36.5	2.452	3.441	2.8	21.6
4 11	11 57.06	− 7 0.4	2.483	3.441	5.8	21.8
4 21	11 49.90	− 6 26.2	2.542	3.439	8.8	22.0
5 1	11 44.43	− 5 57.6	2.626	3.437	11.4	22.2

433258 2012 XP_{33} 3 23.9 213°.13 4°.5/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.38	+12 9.2	2.452	3.317	9.6	21.3
3 2	12 28.21	+13 5.6	2.386	3.315	7.1	21.1
3 12	12 21.60	+14 0.4	2.348	3.312	5.0	21.0
3 22	12 14.12	+14 47.9	2.338	3.309	4.6	20.9
4 1	12 6.52	+15 23.1	2.356	3.305	6.4	21.0
4 11	11 59.53	+15 42.6	2.402	3.302	9.0	21.2
4 21	11 53.78	+15 45.0	2.472	3.298	11.5	21.4
5 1	11 49.70	+15 30.5	2.563	3.295	13.7	21.5

498050 2007 RV_{43} 3 23.9 120°.66 1°.6/25.8 17

2 21	12 31.97	− 9 49.5	2.292	3.115	11.8	21.5
3 2	12 27.27	− 9 7.8	2.218	3.123	8.8	21.3
3 12	12 21.09	− 8 11.1	2.169	3.132	5.4	21.1
3 22	12 14.05	− 7 3.0	2.148	3.140	2.1	20.9
4 1	12 6.87	− 5 49.0	2.157	3.148	2.8	21.0
4 11	12 0.35	− 4 35.3	2.194	3.155	6.2	21.2
4 21	11 55.10	− 3 27.8	2.259	3.163	9.4	21.4
5 1	11 51.56	− 2 30.9	2.348	3.170	12.2	21.6

182783 2001 YH_{123} 3 23.9 183°.98 2°.8/20.9 18

2 21	12 37.05	+ 5 46.6	2.258	3.115	10.7	20.0
3 2	12 30.92	+ 6 29.9	2.186	3.115	7.6	19.8
3 12	12 23.15	+ 7 16.1	2.142	3.115	4.4	19.6
3 22	12 14.39	+ 8 0.1	2.126	3.114	2.8	19.5
4 1	12 5.47	+ 8 36.6	2.140	3.113	5.1	19.6
4 11	11 57.25	+ 9 1.2	2.183	3.111	8.3	19.8
4 21	11 50.42	+ 9 11.6	2.251	3.109	11.4	20.0
5 1	11 45.49	+ 9 6.9	2.341	3.105	14.0	20.2

384799 2012 QO_{28} 3 23.9 290°.16 0°.5/24.4 17

2 21	12 33.37	− 4 56.3	2.022	2.866	12.3	21.1
3 2	12 28.50	− 4 29.5	1.943	2.863	9.0	20.8
3 12	12 21.89	− 3 50.5	1.889	2.860	5.2	20.6
3 22	12 14.19	− 3 3.0	1.862	2.858	1.1	20.3
4 1	12 6.26	− 2 12.4	1.864	2.855	3.2	20.5
4 11	11 59.02	− 1 24.7	1.894	2.852	7.2	20.7
4 21	11 53.21	− 0 45.0	1.950	2.850	10.9	20.9
5 1	11 49.36	− 0 17.0	2.028	2.847	14.0	21.1

88291 2001 MG_{29} 3 23.9 269°.04 3°.5/26.5 17

2 21	12 37.67	−11 13.1	1.490	2.321	16.5	20.0
3 2	12 32.43	−11 14.0	1.397	2.303	12.8	19.7
3 12	12 24.51	−10 53.1	1.325	2.285	8.5	19.4
3 22	12 14.68	−10 11.6	1.278	2.266	4.3	19.1
4 1	12 4.16	− 9 14.2	1.257	2.247	4.7	19.1
4 11	11 54.41	− 8 9.2	1.262	2.228	9.2	19.3
4 21	11 46.65	− 7 6.0	1.292	2.208	14.0	19.5
5 1	11 41.75	− 6 13.0	1.341	2.188	18.3	19.7

396393 2014 DJ_{122} 3 23.9 240°.76 2°.2/20.4 18

2 21	12 30.31	+ 2 13.5	2.767	3.623	9.0	20.4
3 2	12 25.97	+ 3 49.5	2.681	3.611	6.3	20.2
3 12	12 20.36	+ 5 33.1	2.623	3.598	3.6	20.0
3 22	12 13.95	+ 7 18.5	2.596	3.585	2.3	19.9
4 1	12 7.34	+ 8 59.1	2.601	3.572	4.4	20.0
4 11	12 1.17	+10 29.0	2.636	3.558	7.3	20.2
4 21	11 55.97	+11 43.9	2.698	3.545	10.0	20.4
5 1	11 52.20	+12 41.5	2.783	3.530	12.4	20.5

188910 2007 BG_{10} 3 23.9 125°.28 4°.0/19.7 18

2 21	12 36.20	+ 7 48.7	1.998	2.863	11.5	21.2
3 2	12 30.37	+ 8 56.9	1.945	2.877	8.2	21.0
3 12	12 22.84	+10 6.5	1.919	2.890	5.1	20.8
3 22	12 14.34	+11 10.5	1.921	2.903	4.1	20.8
4 1	12 5.80	+12 2.3	1.952	2.915	6.4	21.0
4 11	11 58.12	+12 37.2	2.009	2.927	9.5	21.2
4 21	11 52.00	+12 53.2	2.091	2.938	12.5	21.4
5 1	11 47.91	+12 50.5	2.194	2.949	15.1	21.6

433905 2015 BC_{455} 3 23.9 260°.57 2°.8/26.4 17

2 21	12 37.44	−10 4.7	2.080	2.897	13.0	21.4
3 2	12 31.57	−10 17.5	1.983	2.882	10.0	21.1
3 12	12 23.72	−10 16.2	1.910	2.867	6.6	20.9
3 22	12 14.53	−10 1.7	1.864	2.851	3.4	20.7
4 1	12 4.89	− 9 37.0	1.847	2.835	3.7	20.6
4 11	11 55.84	− 9 6.9	1.859	2.819	7.1	20.8
4 21	11 48.24	− 8 36.6	1.896	2.803	10.8	21.0
5 1	11 42.74	− 8 11.2	1.957	2.786	14.1	21.2

381694 2009 CS_{50} 3 23.9 57°.22 2°.9/21.0 17

2 21	12 33.96	+ 5 3.5	1.962	2.829	11.6	20.8
3 2	12 28.80	+ 5 50.0	1.908	2.842	8.2	20.6
3 12	12 21.97	+ 6 40.0	1.880	2.855	4.7	20.5
3 22	12 14.20	+ 7 27.5	1.879	2.869	2.9	20.4
4 1	12 6.39	+ 8 6.6	1.907	2.883	5.3	20.5
4 11	11 59.41	+ 8 32.7	1.962	2.896	8.7	20.8
4 21	11 53.95	+ 8 43.5	2.041	2.910	11.9	21.0
5 1	11 50.45	+ 8 38.3	2.141	2.924	14.6	21.2

143460 2003 BQ_{88} 3 23.9 358°.86 9°.1/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.41	+17 34.8	1.447	2.331	13.8	18.9
3 2	12 29.05	+19 22.0	1.400	2.329	10.9	18.8
3 12	12 22.36	+21 1.2	1.376	2.328	9.2	18.6
3 22	12 14.29	+22 20.8	1.378	2.327	9.7	18.7
4 1	12 6.05	+23 11.1	1.403	2.327	12.0	18.8
4 11	11 58.91	+23 27.7	1.450	2.328	15.1	19.0
4 21	11 53.79	+23 11.6	1.516	2.329	18.1	19.2
5 1	11 51.25	+22 26.4	1.598	2.331	20.6	19.4

93994 2000 XW_{18} 3 23.9 55°.19 4°.8/27.9 18

2 21	12 37.48	−14 27.4	1.778	2.585	15.3	18.9
3 2	12 31.69	−14 56.6	1.706	2.593	12.1	18.7
3 12	12 23.78	−15 6.4	1.656	2.601	8.5	18.5
3 22	12 14.53	−14 57.1	1.632	2.609	5.5	18.3
4 1	12 5.02	−14 31.5	1.635	2.617	5.1	18.3
4 11	11 56.38	−13 55.4	1.665	2.625	7.8	18.5
4 21	11 49.53	−13 15.6	1.719	2.633	11.3	18.7
5 1	11 45.07	−12 38.6	1.797	2.642	14.5	18.9

175794 1999 RU_{104} 3 23.9 249°.58 3°.7/28.3 18

2 21	12 33.90	−15 49.5	2.732	3.514	11.2	20.4
3 2	12 28.65	−15 58.7	2.629	3.500	8.9	20.2
3 12	12 21.93	−15 53.3	2.551	3.486	6.5	20.0
3 22	12 14.23	−15 33.8	2.499	3.471	4.3	19.9
4 1	12 6.22	−15 2.2	2.477	3.456	3.9	19.8
4 11	11 58.65	−14 22.4	2.484	3.441	5.9	19.9
4 21	11 52.15	−13 38.8	2.519	3.425	8.5	20.1
5 1	11 47.24	−12 56.3	2.578	3.409	11.0	20.2

64704 2001 XJ_{88} 3 23.9 326°.89 8°.4/15.5 18

2 21	12 33.04	+16 16.2	1.509	2.392	13.4	18.3
3 2	12 28.82	+17 55.6	1.449	2.380	10.5	18.1
3 12	12 22.29	+19 30.3	1.412	2.368	8.5	17.9
3 22	12 14.29	+20 48.9	1.401	2.356	8.9	17.9
4 1	12 6.01	+21 41.6	1.414	2.345	11.4	18.0
4 11	11 58.68	+22 2.8	1.450	2.335	14.7	18.2
4 21	11 53.27	+21 52.0	1.505	2.325	17.8	18.3
5 1	11 50.41	+21 12.2	1.576	2.316	20.6	18.5

265658 2005 TZ_{176} 3 23.9 95°.63 3°.5/19.9 18

2 21	12 33.76	+ 4 27.2	1.834	2.703	12.2	20.5
3 2	12 28.75	+ 6 1.1	1.784	2.720	8.5	20.3
3 12	12 21.98	+ 7 40.3	1.761	2.736	5.0	20.1
3 22	12 14.22	+ 9 16.1	1.765	2.752	3.6	20.1
4 1	12 6.42	+10 40.1	1.798	2.767	6.3	20.3
4 11	11 59.51	+11 45.5	1.858	2.783	9.8	20.5
4 21	11 54.20	+12 29.4	1.942	2.798	13.0	20.7
5 1	11 50.94	+12 50.9	2.046	2.813	15.7	21.0

72219 2001 AC_{7} 3 23.9 340°.84 6°.7/17.8 18

2 21	12 34.33	+10 37.7	1.393	2.279	14.2	19.1
3 2	12 29.78	+12 15.5	1.337	2.276	10.4	18.9
3 12	12 22.82	+13 54.4	1.304	2.273	7.3	18.7
3 22	12 14.39	+15 22.6	1.297	2.271	7.0	18.7
4 1	12 5.72	+16 29.4	1.315	2.269	9.9	18.8
4 11	11 58.12	+17 7.6	1.356	2.267	13.7	19.0
4 21	11 52.58	+17 15.7	1.418	2.266	17.3	19.2
5 1	11 49.71	+16 55.2	1.496	2.265	20.4	19.5

8958 Stargazer 3 23.9 209°.48 0°.5/24.4 18 R

2 21	12 35.08	− 4 46.6	2.059	2.900	12.2	18.0
3 2	12 29.72	− 4 22.7	1.979	2.897	8.9	17.8
3 12	12 22.59	− 3 46.9	1.923	2.894	5.1	17.6
3 22	12 14.35	− 3 3.0	1.895	2.891	1.1	17.3
4 1	12 5.86	− 2 15.9	1.897	2.887	3.2	17.4
4 11	11 58.06	− 1 31.5	1.926	2.883	7.2	17.7
4 21	11 51.70	− 0 54.7	1.982	2.879	10.9	17.9
5 1	11 47.33	− 0 29.2	2.060	2.875	14.0	18.1

49849 1999 XK_{94} 3 23.9 219°.77 7°.3/15.6 18

2 21	12 36.95	+17 24.1	1.992	2.857	11.5	18.8
3 2	12 31.16	+18 56.8	1.929	2.849	9.0	18.6
3 12	12 23.43	+20 24.1	1.893	2.840	7.4	18.5
3 22	12 14.48	+21 37.3	1.884	2.831	7.7	18.5
4 1	12 5.31	+22 28.9	1.902	2.821	9.7	18.6
4 11	11 56.92	+22 54.6	1.945	2.811	12.4	18.7
4 21	11 50.16	+22 53.9	2.010	2.799	15.1	18.9
5 1	11 45.58	+22 29.0	2.093	2.788	17.4	19.0

435304 2007 UV_{41} 3 23.9 45°.80 1°.3/22.8 17

2 21	12 36.07	+ 1 32.0	2.050	2.906	11.7	21.4
3 2	12 30.34	+ 1 46.9	1.981	2.910	8.3	21.2
3 12	12 22.88	+ 2 7.5	1.938	2.913	4.6	21.0
3 22	12 14.39	+ 2 29.7	1.922	2.917	1.3	20.7
4 1	12 5.75	+ 2 49.1	1.936	2.922	4.0	20.9
4 11	11 57.88	+ 3 1.3	1.978	2.926	7.7	21.2
4 21	11 51.49	+ 3 3.6	2.045	2.930	11.1	21.4
5 1	11 47.10	+ 2 54.4	2.134	2.935	14.0	21.6

255690 2006 QT_{60} 3 23.9 235°.13 1°.1/24.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 36.70	− 6 43.1	1.876	2.712	13.4	21.7
3 2	12 31.15	− 6 18.5	1.786	2.701	10.0	21.5
3 12	12 23.52	− 5 38.7	1.721	2.689	5.9	21.2
3 22	12 14.52	− 4 47.1	1.682	2.677	1.8	20.9
4 1	12 5.14	− 3 49.2	1.673	2.664	3.5	21.0
4 11	11 56.44	− 2 52.1	1.691	2.650	7.8	21.2
4 21	11 49.34	− 2 2.2	1.735	2.636	11.9	21.4
5 1	11 44.48	− 1 24.5	1.801	2.622	15.4	21.6

169135 2001 QM_{42} 3 23.9 151°.05 2°.9/27.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.15	−12 8.7	2.387	3.192	11.9	20.4
3 2	12 29.59	−12 13.4	2.306	3.196	9.2	20.3
3 12	12 22.44	−12 3.7	2.249	3.199	6.2	20.1
3 22	12 14.34	−11 41.3	2.220	3.203	3.5	19.9
4 1	12 6.03	−11 9.0	2.220	3.206	3.4	19.9
4 11	11 58.33	−10 31.5	2.249	3.209	6.1	20.1
4 21	11 51.93	− 9 53.6	2.305	3.212	9.1	20.3
5 1	11 47.30	− 9 19.8	2.386	3.215	11.9	20.4

70310 1999 RW_{136} 3 23.9 188°.65 2°.1/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 38.39	− 8 51.7	1.897	2.722	13.8	19.9
3 2	12 32.26	− 8 44.7	1.815	2.721	10.4	19.6
3 12	12 24.09	− 8 22.1	1.758	2.720	6.5	19.4
3 22	12 14.62	− 7 46.3	1.728	2.719	2.7	19.1
4 1	12 4.85	− 7 2.0	1.726	2.717	3.5	19.2
4 11	11 55.86	− 6 15.4	1.753	2.714	7.5	19.4
4 21	11 48.53	− 5 32.6	1.806	2.711	11.3	19.6
5 1	11 43.46	− 4 58.8	1.882	2.707	14.7	19.9

467873 2011 BK_{130} 3 23.9 232°.16 2°.9/26.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.49	−11 56.0	2.080	2.893	13.2	21.8
3 2	12 30.12	−11 47.2	1.988	2.884	10.2	21.5
3 12	12 22.89	−11 21.3	1.920	2.874	6.7	21.3
3 22	12 14.43	−10 40.0	1.878	2.864	3.6	21.1
4 1	12 5.62	− 9 47.4	1.865	2.854	3.6	21.1
4 11	11 57.44	− 8 49.5	1.881	2.843	7.0	21.3
4 21	11 50.69	− 7 52.8	1.922	2.831	10.5	21.4
5 1	11 45.99	− 7 3.1	1.988	2.820	13.8	21.6

120151 2003 GQ_{54} 3 23.9 295°.34 1°.4/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.81	+ 0 37.1	2.222	3.080	10.8	20.4
3 2	12 27.34	+ 1 19.9	2.134	3.063	7.7	20.1
3 12	12 21.27	+ 2 10.6	2.071	3.047	4.2	19.9
3 22	12 14.16	+ 3 4.8	2.036	3.031	1.4	19.6
4 1	12 6.77	+ 3 56.7	2.030	3.014	4.0	19.8
4 11	11 59.92	+ 4 41.0	2.053	2.998	7.7	20.0
4 21	11 54.32	+ 5 13.4	2.100	2.982	11.1	20.2
5 1	11 50.49	+ 5 31.5	2.170	2.966	14.0	20.3

112337 2002 NR_{4} 3 23.9 308°.85 1°.6/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.43	− 0 53.4	1.359	2.233	15.3	20.1
3 2	12 29.42	− 0 3.5	1.275	2.212	11.1	19.7
3 12	12 22.84	+ 1 2.1	1.213	2.191	6.1	19.4
3 22	12 14.45	+ 2 16.5	1.175	2.170	1.7	19.0
4 1	12 5.48	+ 3 30.0	1.163	2.150	5.6	19.2
4 11	11 57.34	+ 4 32.2	1.176	2.131	11.0	19.5
4 21	11 51.20	+ 5 15.5	1.210	2.111	16.0	19.7
5 1	11 47.89	+ 5 35.7	1.263	2.093	20.2	19.9

498380 2007 WX_{27} 3 23.9 120°.45 0°.9/22.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.17	+ 0 3.0	2.591	3.438	9.8	22.1
3 2	12 28.64	+ 0 34.8	2.528	3.452	7.0	21.9
3 12	12 21.81	+ 1 12.5	2.492	3.467	3.8	21.7
3 22	12 14.24	+ 1 52.3	2.485	3.481	0.9	21.5
4 1	12 6.60	+ 2 30.0	2.509	3.494	3.2	21.7
4 11	11 59.60	+ 3 1.7	2.562	3.507	6.3	22.0
4 21	11 53.77	+ 3 24.5	2.641	3.520	9.2	22.2
5 1	11 49.51	+ 3 36.5	2.745	3.533	11.6	22.3

185218 2006 TO_{59} 3 23.9 285°.08 1°.8/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.64	− 8 58.0	2.257	3.083	11.8	20.6
3 2	12 27.94	− 8 44.4	2.166	3.073	8.9	20.4
3 12	12 21.61	− 8 17.2	2.100	3.062	5.6	20.2
3 22	12 14.23	− 7 38.6	2.061	3.052	2.4	20.0
4 1	12 6.58	− 6 52.6	2.051	3.042	3.0	20.0
4 11	11 59.49	− 6 4.6	2.070	3.032	6.4	20.2
4 21	11 53.65	− 5 19.8	2.115	3.022	9.8	20.4
5 1	11 49.61	− 4 42.8	2.183	3.012	12.8	20.5

76004 2000 DG_{20} 3 23.9 117°.35 0°.1/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.42	− 4 10.2	2.101	2.945	11.9	19.9
3 2	12 28.45	− 3 34.2	2.029	2.950	8.6	19.7
3 12	12 21.85	− 2 47.0	1.983	2.955	4.8	19.5
3 22	12 14.27	− 1 52.6	1.964	2.960	0.8	19.2
4 1	12 6.53	− 0 56.8	1.975	2.965	3.2	19.4
4 11	11 59.50	− 0 5.4	2.014	2.969	7.1	19.6
4 21	11 53.86	+ 0 36.8	2.079	2.974	10.5	19.8
5 1	11 50.09	+ 1 6.4	2.166	2.979	13.5	20.0

174468 2003 AP_{1} 3 23.9 16°.42 6°.6/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.19	+15 18.2	1.998	2.874	11.0	19.2
3 2	12 26.96	+17 1.1	1.948	2.876	8.4	19.0
3 12	12 21.04	+18 39.9	1.924	2.878	6.8	18.9
3 22	12 14.13	+20 6.0	1.927	2.880	7.1	18.9
4 1	12 7.10	+21 11.8	1.957	2.882	9.1	19.1
4 11	12 0.81	+21 53.1	2.012	2.885	11.7	19.2
4 21	11 55.97	+22 8.8	2.088	2.888	14.2	19.4
5 1	11 53.06	+22 0.4	2.182	2.891	16.4	19.6

363547 2003 WH_{11} 3 23.9 187°.31 2°.3/26.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.68	−10 20.8	2.061	2.877	13.2	22.0
3 2	12 31.64	−10 5.8	1.977	2.877	10.0	21.8
3 12	12 23.71	− 9 34.5	1.917	2.876	6.4	21.6
3 22	12 14.59	− 8 49.5	1.885	2.874	2.9	21.4
4 1	12 5.20	− 7 55.3	1.882	2.872	3.4	21.4
4 11	11 56.52	− 6 58.2	1.908	2.869	7.0	21.6
4 21	11 49.36	− 6 4.4	1.961	2.865	10.6	21.8
5 1	11 44.30	− 5 19.1	2.037	2.860	13.8	22.0

294063 2007 TM_{168} 3 23.9 174°.74 1°.6/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 38.34	− 7 38.2	1.867	2.697	13.7	20.6
3 2	12 32.22	− 7 21.4	1.790	2.700	10.2	20.4
3 12	12 24.08	− 6 49.3	1.736	2.702	6.2	20.1
3 22	12 14.66	− 6 5.3	1.711	2.704	2.2	19.9
4 1	12 5.00	− 5 14.6	1.713	2.704	3.4	20.0
4 11	11 56.15	− 4 23.9	1.745	2.705	7.6	20.2
4 21	11 48.99	− 3 39.1	1.802	2.704	11.5	20.4
5 1	11 44.09	− 3 5.2	1.881	2.703	14.8	20.7

57914 2002 EC_{109} 3 23.9 112°.66 2°.4/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 38.19	+ 1 55.5	1.650	2.513	13.6	20.0
3 2	12 32.08	+ 2 56.6	1.598	2.530	9.6	19.8
3 12	12 23.92	+ 4 5.5	1.570	2.546	5.3	19.5
3 22	12 14.62	+ 5 14.6	1.570	2.563	2.4	19.4
4 1	12 5.28	+ 6 15.9	1.598	2.578	5.4	19.6
4 11	11 57.01	+ 7 2.7	1.653	2.593	9.6	19.9
4 21	11 50.62	+ 7 31.4	1.731	2.608	13.3	20.1
5 1	11 46.62	+ 7 40.9	1.831	2.622	16.4	20.4

2943 Heinrich 3 23.9 193°.15 5°.8/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 39.18	−18 47.9	2.051	2.824	14.7	17.2
3 2	12 32.88	−19 15.2	1.962	2.823	12.0	17.0
3 12	12 24.50	−19 22.0	1.896	2.821	9.0	16.8
3 22	12 14.74	−19 7.6	1.856	2.818	6.5	16.7
4 1	12 4.60	−18 33.8	1.843	2.815	5.9	16.6
4 11	11 55.16	−17 45.8	1.859	2.811	7.8	16.7
4 21	11 47.33	−16 50.5	1.900	2.807	10.8	16.9
5 1	11 41.75	−15 55.2	1.965	2.802	13.7	17.1

313779 2003 YW_{24} 3 23.9 186°.17 4°.5/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 38.45	+10 13.8	2.161	3.022	10.9	21.3
3 2	12 32.03	+11 16.8	2.094	3.022	8.0	21.1
3 12	12 23.85	+12 19.7	2.054	3.021	5.3	20.9
3 22	12 14.62	+13 15.9	2.043	3.019	4.6	20.9
4 1	12 5.22	+13 59.2	2.061	3.017	6.7	21.0
4 11	11 56.59	+14 25.3	2.107	3.014	9.7	21.1
4 21	11 49.45	+14 32.6	2.178	3.010	12.6	21.3
5 1	11 44.33	+14 21.3	2.269	3.005	15.1	21.5

249119 2007 WV_{18} 3 23.9 266°.89 4°.6/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.48	+11 8.2	2.199	3.068	10.4	20.6
3 2	12 28.49	+12 9.6	2.131	3.062	7.6	20.4
3 12	12 21.89	+13 10.4	2.090	3.056	5.2	20.3
3 22	12 14.30	+14 4.2	2.076	3.050	4.8	20.2
4 1	12 6.54	+14 45.2	2.091	3.044	6.8	20.3
4 11	11 59.44	+15 9.1	2.133	3.038	9.7	20.5
4 21	11 53.70	+15 14.3	2.198	3.032	12.4	20.7
5 1	11 49.79	+15 1.0	2.283	3.026	14.9	20.8

417753 2007 DH_{44} 3 23.9 16°.33 2°.1/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 29.90	− 1 57.9	1.451	2.324	14.5	21.0
3 2	12 26.48	− 0 16.6	1.389	2.327	10.3	20.7
3 12	12 20.95	+ 1 41.2	1.352	2.331	5.5	20.4
3 22	12 14.15	+ 3 45.3	1.340	2.335	2.1	20.2
4 1	12 7.16	+ 5 43.6	1.356	2.340	5.7	20.5
4 11	12 1.12	+ 7 24.8	1.398	2.345	10.4	20.7
4 21	11 56.87	+ 8 41.7	1.463	2.351	14.5	21.0
5 1	11 54.98	+ 9 31.2	1.547	2.358	18.0	21.2

463152 2011 YX_{73} 3 23.9 89°.73 3°.2/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.37	+ 2 58.7	1.554	2.425	13.8	21.4
3 2	12 30.22	+ 4 13.6	1.499	2.436	9.7	21.1
3 12	12 22.97	+ 5 36.5	1.469	2.446	5.5	20.9
3 22	12 14.48	+ 6 58.4	1.466	2.457	3.2	20.8
4 1	12 5.89	+ 8 10.2	1.490	2.467	6.2	21.0
4 11	11 58.34	+ 9 4.4	1.540	2.477	10.4	21.3
4 21	11 52.67	+ 9 37.3	1.613	2.487	14.2	21.5
5 1	11 49.40	+ 9 47.9	1.705	2.497	17.4	21.8

296467 2009 HO_{89} 3 23.9 283°.48 2°.7/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 35.05	+ 1 56.0	1.611	2.480	13.6	20.8
3 2	12 30.32	+ 2 58.7	1.521	2.456	9.8	20.5
3 12	12 23.25	+ 4 13.1	1.456	2.433	5.5	20.2
3 22	12 14.57	+ 5 31.9	1.416	2.409	2.7	20.0
4 1	12 5.35	+ 6 45.9	1.404	2.385	6.0	20.1
4 11	11 56.83	+ 7 46.1	1.419	2.361	10.7	20.3
4 21	11 50.06	+ 8 26.6	1.456	2.336	15.1	20.5
5 1	11 45.79	+ 8 44.4	1.512	2.312	18.9	20.7

98422 2000 UO_{26} 3 23.9 214°.95 2°.5/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.61	+ 2 5.6	1.862	2.721	12.5	19.8
3 2	12 31.03	+ 3 10.8	1.783	2.714	8.9	19.5
3 12	12 23.45	+ 4 25.1	1.731	2.707	4.9	19.3
3 22	12 14.59	+ 5 41.4	1.706	2.698	2.5	19.1
4 1	12 5.43	+ 6 52.0	1.710	2.689	5.4	19.3
4 11	11 57.02	+ 7 49.5	1.742	2.679	9.4	19.5
4 21	11 50.23	+ 8 29.5	1.798	2.669	13.2	19.7
5 1	11 45.65	+ 8 49.7	1.876	2.658	16.4	19.9

29300 1993 TD_{25} 3 23.9 243°.87 1°.7/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.16	+ 1 12.8	1.959	2.816	12.1	19.9
3 2	12 30.67	+ 1 55.8	1.874	2.803	8.6	19.7
3 12	12 23.24	+ 2 47.2	1.814	2.790	4.8	19.4
3 22	12 14.56	+ 3 41.6	1.782	2.776	1.7	19.2
4 1	12 5.54	+ 4 32.8	1.779	2.763	4.6	19.4
4 11	11 57.19	+ 5 14.4	1.804	2.748	8.7	19.6
4 21	11 50.36	+ 5 42.2	1.854	2.734	12.4	19.8
5 1	11 45.64	+ 5 53.8	1.926	2.718	15.6	19.9

294355 2007 VK_{96} 3 23.9 122°.45 1°.9/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.93	+ 3 15.9	2.463	3.318	10.0	20.8
3 2	12 28.57	+ 3 56.8	2.401	3.330	7.0	20.6
3 12	12 21.82	+ 4 41.9	2.365	3.341	3.9	20.4
3 22	12 14.30	+ 5 26.5	2.359	3.351	1.9	20.3
4 1	12 6.70	+ 6 6.2	2.383	3.361	4.1	20.5
4 11	11 59.75	+ 6 36.7	2.435	3.372	7.1	20.7
4 21	11 54.02	+ 6 55.6	2.513	3.381	10.0	20.9
5 1	11 49.93	+ 7 1.6	2.614	3.391	12.4	21.1

91334 1999 JK_{8} 3 23.9 284°.09 7°.4/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.16	−27 33.5	2.112	2.837	15.8	20.0
3 2	12 29.52	−27 11.5	1.985	2.803	13.6	19.8
3 12	12 22.76	−26 18.2	1.878	2.769	11.1	19.6
3 22	12 14.50	−24 51.5	1.794	2.733	8.6	19.3
4 1	12 5.66	−22 52.7	1.738	2.697	7.4	19.2
4 11	11 57.32	−20 29.0	1.710	2.661	8.5	19.2
4 21	11 50.44	−17 50.9	1.710	2.624	11.3	19.3
5 1	11 45.79	−15 11.1	1.735	2.586	14.6	19.4

45760 2000 KY_{43} 3 23.9 215°.93 5°.4/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 38.37	+10 15.7	1.774	2.643	12.5	18.9
3 2	12 32.38	+11 33.6	1.705	2.636	9.2	18.7
3 12	12 24.23	+12 52.7	1.660	2.628	6.2	18.5
3 22	12 14.72	+14 4.3	1.644	2.619	5.6	18.4
4 1	12 4.93	+14 59.8	1.655	2.610	8.1	18.5
4 11	11 56.00	+15 33.6	1.692	2.600	11.6	18.7
4 21	11 48.84	+15 43.4	1.752	2.590	15.0	18.9
5 1	11 44.07	+15 30.0	1.831	2.579	17.9	19.1

385300 2001 UB_{221} 3 23.9 79°.88 4°.2/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.34	+11 16.6	2.234	3.097	10.5	20.7
3 2	12 30.35	+11 54.6	2.183	3.111	7.6	20.5
3 12	12 22.83	+12 30.4	2.158	3.125	5.1	20.4
3 22	12 14.46	+12 58.5	2.162	3.138	4.3	20.3
4 1	12 6.09	+13 14.7	2.194	3.152	6.2	20.5
4 11	11 58.53	+13 16.0	2.254	3.166	8.9	20.7
4 21	11 52.40	+13 1.9	2.338	3.179	11.6	20.9
5 1	11 48.13	+12 32.9	2.444	3.193	13.9	21.1

242943 2006 RX_{14} 3 23.9 63°.42 2°.6/27.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.99	−13 8.9	2.123	2.937	12.9	20.4
3 2	12 26.75	−12 27.4	2.048	2.945	9.9	20.2
3 12	12 20.92	−11 27.1	1.998	2.952	6.5	20.0
3 22	12 14.16	−10 11.5	1.974	2.960	3.3	19.9
4 1	12 7.27	− 8 46.3	1.979	2.968	3.2	19.9
4 11	12 1.06	− 7 18.9	2.012	2.977	6.4	20.1
4 21	11 56.19	− 5 56.2	2.072	2.985	9.7	20.3
5 1	11 53.13	− 4 44.2	2.156	2.993	12.7	20.5

199000 2005 WW_{45} 3 23.9 150°.77 3°.7/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 40.45	+ 5 57.5	1.720	2.582	13.2	20.8
3 2	12 33.73	+ 6 56.2	1.661	2.592	9.4	20.6
3 12	12 24.89	+ 7 58.7	1.628	2.601	5.5	20.4
3 22	12 14.82	+ 8 57.4	1.622	2.610	3.7	20.3
4 1	12 4.65	+ 9 44.6	1.645	2.617	6.4	20.5
4 11	11 55.51	+10 14.9	1.696	2.624	10.3	20.7
4 21	11 48.27	+10 25.9	1.770	2.630	13.8	20.9
5 1	11 43.46	+10 17.6	1.864	2.635	16.8	21.2

307484 2002 XL_{55} 3 23.9 162°.89 1°.2/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 35.20	− 7 58.3	2.034	2.864	12.8	21.0
3 2	12 29.82	− 7 19.1	1.958	2.869	9.4	20.8
3 12	12 22.67	− 6 24.6	1.907	2.874	5.6	20.5
3 22	12 14.46	− 5 18.8	1.884	2.877	1.8	20.3
4 1	12 6.06	− 4 7.6	1.890	2.881	3.1	20.4
4 11	11 58.40	− 2 58.1	1.924	2.884	7.0	20.6
4 21	11 52.22	− 1 56.4	1.985	2.886	10.7	20.9
5 1	11 48.04	− 1 7.2	2.069	2.888	13.8	21.1

155908 2001 NG_{4} 3 23.9 309°.43 0°.5/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 38.28	− 3 45.5	1.268	2.131	16.9	19.9
3 2	12 33.02	− 3 38.8	1.194	2.123	12.4	19.6
3 12	12 24.91	− 3 16.4	1.142	2.116	7.2	19.2
3 22	12 14.87	− 2 42.6	1.113	2.109	1.5	18.8
4 1	12 4.34	− 2 4.5	1.111	2.102	4.6	19.0
4 11	11 54.88	− 1 30.4	1.133	2.096	10.3	19.3
4 21	11 47.74	− 1 7.2	1.177	2.090	15.4	19.6
5 1	11 43.72	− 0 59.5	1.239	2.084	19.7	19.9

364071 2005 YX_{1} 3 23.9 187°.51 8°.7/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 40.58	+34 47.3	3.050	3.852	9.7	21.6
3 2	12 33.29	+36 7.7	3.014	3.852	8.9	21.5
3 12	12 24.46	+37 12.9	3.003	3.850	8.8	21.5
3 22	12 14.75	+37 57.3	3.018	3.847	9.3	21.5
4 1	12 4.96	+38 17.3	3.059	3.844	10.3	21.6
4 11	11 55.91	+38 12.5	3.122	3.839	11.6	21.7
4 21	11 48.23	+37 44.4	3.204	3.834	12.8	21.8
5 1	11 42.40	+36 56.4	3.302	3.828	13.9	21.9

84573 2002 VO_{15} 3 23.9 80°.92 16°.6/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 44.63	+47 50.8	1.789	2.554	16.9	18.4
3 2	12 37.14	+49 52.7	1.802	2.573	16.6	18.4
3 12	12 26.83	+51 17.1	1.834	2.592	16.9	18.5
3 22	12 15.11	+51 57.2	1.882	2.610	17.7	18.6
4 1	12 3.71	+51 51.5	1.947	2.629	18.6	18.7
4 11	11 54.17	+51 3.7	2.026	2.647	19.5	18.8
4 21	11 47.44	+49 41.4	2.116	2.665	20.4	19.0
5 1	11 43.90	+47 52.2	2.216	2.683	21.1	19.1

168528 1999 UA_{16} 3 23.9 103°.38 1°.8/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 38.28	+ 0 52.5	1.737	2.595	13.3	20.1
3 2	12 32.05	+ 1 42.3	1.685	2.615	9.4	19.9
3 12	12 23.89	+ 2 40.0	1.659	2.635	5.1	19.7
3 22	12 14.66	+ 3 39.1	1.660	2.654	1.8	19.5
4 1	12 5.42	+ 4 32.6	1.690	2.673	4.8	19.8
4 11	11 57.22	+ 5 14.4	1.747	2.691	8.9	20.1
4 21	11 50.83	+ 5 40.7	1.829	2.709	12.5	20.3
5 1	11 46.73	+ 5 50.2	1.931	2.726	15.5	20.6

162636 2000 SG_{169} 3 23.9 190°.53 2°.9/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.17	−12 3.8	1.880	2.695	14.3	20.2
3 2	12 31.46	−11 45.4	1.796	2.694	11.0	20.0
3 12	12 23.71	−11 7.5	1.736	2.692	7.2	19.8
3 22	12 14.66	−10 12.7	1.703	2.690	3.6	19.5
4 1	12 5.30	− 9 6.1	1.698	2.688	3.8	19.6
4 11	11 56.72	− 7 55.1	1.722	2.684	7.4	19.8
4 21	11 49.78	− 6 47.2	1.771	2.680	11.3	20.0
5 1	11 45.10	− 5 49.0	1.843	2.675	14.7	20.2

36211 1999 TM_{152} 3 23.9 283°.72 0°.5/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.58	− 2 15.5	2.377	3.225	10.5	18.8
3 2	12 27.13	− 1 37.3	2.286	3.210	7.6	18.6
3 12	12 21.16	− 0 49.6	2.220	3.195	4.2	18.3
3 22	12 14.23	+ 0 3.8	2.183	3.179	0.7	18.0
4 1	12 7.03	+ 0 57.7	2.175	3.163	3.3	18.2
4 11	12 0.34	+ 1 47.0	2.196	3.148	6.8	18.4
4 21	11 54.80	+ 2 27.2	2.243	3.132	10.1	18.6
5 1	11 50.92	+ 2 55.1	2.313	3.116	13.0	18.8

278844 2008 SE_{308} 3 23.9 208°.02 1°.2/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.05	− 0 31.8	2.243	3.095	10.9	21.5
3 2	12 28.17	+ 0 20.2	2.165	3.092	7.8	21.3
3 12	12 21.73	+ 1 21.0	2.113	3.088	4.2	21.1
3 22	12 14.32	+ 2 25.6	2.090	3.085	1.2	20.8
4 1	12 6.71	+ 3 28.1	2.096	3.080	3.8	21.0
4 11	11 59.72	+ 4 22.8	2.131	3.076	7.4	21.2
4 21	11 54.01	+ 5 5.4	2.191	3.071	10.7	21.4
5 1	11 50.06	+ 5 33.3	2.274	3.066	13.5	21.6

456889 2007 VP_{123} 3 23.9 164°.79 2°.1/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.60	+ 0 18.3	1.948	2.803	12.2	21.8
3 2	12 30.13	+ 1 41.0	1.880	2.809	8.6	21.6
3 12	12 22.86	+ 3 13.7	1.838	2.814	4.7	21.4
3 22	12 14.50	+ 4 49.2	1.826	2.819	2.1	21.2
4 1	12 5.99	+ 6 19.0	1.843	2.823	4.9	21.4
4 11	11 58.27	+ 7 35.8	1.888	2.826	8.8	21.6
4 21	11 52.09	+ 8 34.5	1.959	2.828	12.3	21.9
5 1	11 47.96	+ 9 13.0	2.051	2.829	15.3	22.1

184414 2005 MQ_{37} 3 23.9 348°.01 1°.5/25.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 34.70	− 7 23.7	1.569	2.416	15.1	20.4
3 2	12 29.94	− 7 2.2	1.495	2.414	11.2	20.2
3 12	12 22.94	− 6 23.0	1.444	2.413	6.7	19.9
3 22	12 14.54	− 5 30.0	1.418	2.412	2.2	19.6
4 1	12 5.83	− 4 29.9	1.419	2.411	3.7	19.7
4 11	11 58.01	− 3 30.7	1.446	2.410	8.4	20.0
4 21	11 52.03	− 2 39.9	1.498	2.410	12.8	20.2
5 1	11 48.52	− 2 2.9	1.570	2.409	16.5	20.5

192913 1999 XC_{247} 3 23.9 242°.42 1°.7/25.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.91	− 8 37.9	2.042	2.872	12.8	20.7
3 2	12 28.97	− 8 17.8	1.959	2.868	9.6	20.5
3 12	12 22.26	− 7 42.6	1.899	2.863	5.9	20.2
3 22	12 14.42	− 6 55.3	1.867	2.859	2.3	20.0
4 1	12 6.31	− 6 0.8	1.863	2.854	3.2	20.0
4 11	11 58.87	− 5 5.3	1.888	2.850	6.9	20.3
4 21	11 52.85	− 4 14.6	1.938	2.845	10.6	20.5
5 1	11 48.82	− 3 33.8	2.012	2.840	13.8	20.7

35368 1997 UB_{8} 3 23.9 85°.27 4°.1/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.56	−19 31.3	1.604	2.393	17.5	18.4
3 2	12 31.63	−18 9.0	1.550	2.427	13.6	18.3
3 12	12 23.65	−16 15.9	1.519	2.461	9.4	18.1
3 22	12 14.62	−13 57.9	1.514	2.493	5.4	17.9
4 1	12 5.72	−11 26.1	1.538	2.525	4.5	17.9
4 11	11 58.04	− 8 53.8	1.591	2.556	7.7	18.2
4 21	11 52.37	− 6 33.2	1.672	2.587	11.5	18.5
5 1	11 49.13	− 4 32.9	1.777	2.616	14.9	18.8

404146 2013 CD_{19} 3 23.9 36°.77 1°.5/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 39.85	− 4 48.6	1.186	2.048	17.9	20.9
3 2	12 34.06	− 5 3.2	1.129	2.056	13.2	20.6
3 12	12 25.39	− 5 1.8	1.093	2.065	7.8	20.3
3 22	12 14.95	− 4 47.6	1.080	2.075	2.3	20.0
4 1	12 4.30	− 4 26.7	1.093	2.085	4.5	20.2
4 11	11 55.01	− 4 6.6	1.130	2.096	10.0	20.5
4 21	11 48.26	− 3 53.6	1.190	2.107	14.9	20.8
5 1	11 44.68	− 3 52.3	1.268	2.119	18.9	21.1

8725 Keiko 3 23.9 141°.42 1°.8/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 39.39	+ 0 1.4	1.463	2.326	15.1	18.1
3 2	12 33.30	+ 0 52.6	1.402	2.334	10.7	17.8
3 12	12 24.80	+ 1 55.1	1.364	2.341	5.9	17.6
3 22	12 14.85	+ 3 1.5	1.353	2.348	1.8	17.3
4 1	12 4.73	+ 4 3.0	1.369	2.355	5.3	17.6
4 11	11 55.74	+ 4 51.6	1.412	2.361	10.1	17.9
4 21	11 48.86	+ 5 22.4	1.478	2.366	14.4	18.1
5 1	11 44.69	+ 5 33.2	1.563	2.371	18.0	18.4

338425 2003 CM_{1} 3 23.9 38°.81 3°.3/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.47	− 7 34.7	1.753	2.573	14.9	19.5
3 2	12 38.04	− 8 45.2	1.693	2.594	11.3	19.3
3 12	12 27.32	− 9 43.5	1.658	2.616	7.3	19.1
3 22	12 15.27	−10 28.9	1.651	2.638	3.8	19.0
4 1	12 3.11	−11 2.2	1.674	2.660	4.3	19.0
4 11	11 52.10	−11 26.3	1.726	2.684	7.9	19.3
4 21	11 43.17	−11 45.3	1.805	2.707	11.5	19.5
5 1	11 36.90	−12 3.4	1.906	2.731	14.6	19.8

354862 2006 AJ_{20} 3 23.9 79°.72 1°.8/25.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 40.79	− 6 37.2	1.359	2.206	16.9	20.6
3 2	12 34.42	− 6 39.5	1.301	2.221	12.5	20.3
3 12	12 25.46	− 6 24.5	1.266	2.235	7.5	20.1
3 22	12 14.97	− 5 56.0	1.256	2.249	2.6	19.8
4 1	12 4.34	− 5 19.9	1.272	2.264	4.2	20.0
4 11	11 54.99	− 4 44.1	1.314	2.278	9.1	20.3
4 21	11 47.96	− 4 15.2	1.380	2.292	13.6	20.6
5 1	11 43.83	− 3 58.0	1.466	2.306	17.4	20.9

66373 1999 JW_{114} 3 23.9 256°.29 4°.4/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.40	−14 18.0	1.639	2.454	16.1	18.9
3 2	12 31.30	−14 17.7	1.549	2.443	12.7	18.6
3 12	12 23.83	−13 54.4	1.481	2.432	8.8	18.4
3 22	12 14.73	−13 8.9	1.438	2.420	5.2	18.1
4 1	12 5.13	−12 5.6	1.421	2.408	4.9	18.1
4 11	11 56.30	−10 52.5	1.431	2.396	8.4	18.3
4 21	11 49.29	− 9 38.7	1.466	2.384	12.6	18.5
5 1	11 44.87	− 8 32.7	1.522	2.371	16.4	18.7

380563 2004 QB_{18} 3 23.9 190°.94 4°.3/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.21	−18 30.2	2.724	3.487	11.7	21.9
3 2	12 30.32	−18 35.4	2.630	3.485	9.5	21.7
3 12	12 22.91	−18 24.0	2.559	3.483	7.0	21.6
3 22	12 14.55	−17 56.4	2.516	3.480	4.9	21.4
4 1	12 5.94	−17 14.9	2.502	3.476	4.4	21.4
4 11	11 57.85	−16 23.6	2.518	3.471	6.0	21.5
4 21	11 50.92	−15 27.8	2.562	3.466	8.5	21.6
5 1	11 45.65	−14 32.8	2.631	3.460	10.9	21.8

173449 2000 QO_{6} 3 23.9 218°.82 3°.8/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 33.29	−15 58.1	2.498	3.285	12.0	20.7
3 2	12 28.32	−15 59.6	2.408	3.282	9.5	20.5
3 12	12 21.83	−15 44.8	2.341	3.278	6.8	20.3
3 22	12 14.37	−15 14.5	2.301	3.274	4.5	20.2
4 1	12 6.67	−14 31.6	2.290	3.270	4.0	20.1
4 11	11 59.51	−13 40.6	2.307	3.266	6.1	20.3
4 21	11 53.53	−12 47.0	2.352	3.262	8.8	20.4
5 1	11 49.24	−11 56.1	2.421	3.258	11.5	20.6

416107 2002 PA_{162} 3 23.9 198°.77 1°.1/22.8 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.93	− 0 30.6	2.073	2.921	11.8	22.8
3 2	12 31.08	+ 0 12.6	1.993	2.918	8.5	22.6
3 12	12 23.43	+ 1 4.9	1.940	2.914	4.6	22.4
3 22	12 14.64	+ 2 1.3	1.914	2.910	1.2	22.1
4 1	12 5.61	+ 2 55.9	1.919	2.904	4.0	22.3
4 11	11 57.28	+ 3 42.6	1.952	2.898	8.0	22.5
4 21	11 50.42	+ 4 17.2	2.011	2.892	11.5	22.7
5 1	11 45.58	+ 4 37.0	2.092	2.884	14.6	22.9

178172 2006 UM_{64} 3 23.9 302°.74 0°.3/24.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.07	− 3 13.2	2.153	2.996	11.7	19.8
3 2	12 29.73	− 3 7.1	2.069	2.989	8.5	19.5
3 12	12 22.67	− 2 51.8	2.010	2.981	4.9	19.3
3 22	12 14.52	− 2 30.3	1.979	2.974	1.0	19.0
4 1	12 6.10	− 2 6.5	1.977	2.967	3.1	19.2
4 11	11 58.30	− 1 45.0	2.003	2.960	7.0	19.4
4 21	11 51.87	− 1 29.7	2.055	2.953	10.5	19.6
5 1	11 47.34	− 1 23.5	2.130	2.946	13.5	19.8

426779 2013 TG_{114} 3 23.9 301°.41 2°.7/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.02	+ 4 16.5	1.804	2.670	12.5	21.0
3 2	12 30.62	+ 4 53.8	1.733	2.666	8.9	20.7
3 12	12 23.23	+ 5 36.1	1.687	2.663	5.1	20.5
3 22	12 14.61	+ 6 17.6	1.668	2.659	2.7	20.3
4 1	12 5.76	+ 6 51.9	1.677	2.656	5.4	20.5
4 11	11 57.73	+ 7 13.7	1.712	2.652	9.3	20.7
4 21	11 51.35	+ 7 19.9	1.772	2.649	13.0	20.9
5 1	11 47.21	+ 7 9.5	1.852	2.646	16.1	21.1

133742 2003 VJ_{9} 3 23.9 160°.93 1°.2/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.27	+ 0 17.4	2.303	3.154	10.7	20.5
3 2	12 28.97	+ 0 56.4	2.231	3.157	7.6	20.3
3 12	12 22.15	+ 1 42.5	2.185	3.161	4.2	20.1
3 22	12 14.42	+ 2 31.2	2.169	3.164	1.2	19.9
4 1	12 6.55	+ 3 17.4	2.182	3.166	3.7	20.0
4 11	11 59.33	+ 3 56.1	2.223	3.169	7.2	20.3
4 21	11 53.39	+ 4 24.0	2.291	3.171	10.3	20.5
5 1	11 49.21	+ 4 38.9	2.381	3.173	13.0	20.7

250186 2002 TH_{293} 3 23.9 153°.03 4°.7/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.08	−18 30.3	2.255	3.028	13.6	20.1
3 2	12 31.11	−18 29.6	2.175	3.037	10.9	19.9
3 12	12 23.41	−18 8.8	2.118	3.046	8.0	19.7
3 22	12 14.64	−17 28.9	2.087	3.054	5.5	19.6
4 1	12 5.68	−16 33.1	2.085	3.061	4.8	19.5
4 11	11 57.43	−15 27.1	2.112	3.068	6.8	19.7
4 21	11 50.63	−14 17.8	2.165	3.074	9.6	19.8
5 1	11 45.80	−13 11.7	2.244	3.079	12.3	20.0

65707 1992 PY_{1} 3 23.9 215°.98 3°.4/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 38.06	−12 8.3	1.839	2.653	14.6	19.2
3 2	12 32.23	−12 7.8	1.751	2.647	11.3	18.9
3 12	12 24.23	−11 48.5	1.686	2.641	7.5	18.7
3 22	12 14.80	−11 12.0	1.648	2.633	4.1	18.5
4 1	12 4.97	−10 22.2	1.638	2.626	4.1	18.4
4 11	11 55.89	− 9 26.0	1.655	2.618	7.7	18.6
4 21	11 48.49	− 8 30.5	1.699	2.609	11.6	18.8
5 1	11 43.44	− 7 42.3	1.764	2.600	15.1	19.0

503044 2015 FU_{152} 3 23.9 27°.89 1°.1/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.00	− 0 34.3	1.847	2.708	12.5	20.8
3 2	12 28.35	+ 0 5.1	1.782	2.713	8.9	20.6
3 12	12 21.91	+ 0 53.8	1.742	2.718	4.9	20.4
3 22	12 14.39	+ 1 46.5	1.728	2.723	1.2	20.1
4 1	12 6.73	+ 2 36.7	1.742	2.729	4.1	20.4
4 11	11 59.86	+ 3 18.5	1.784	2.735	8.2	20.6
4 21	11 54.54	+ 3 47.4	1.850	2.742	11.8	20.8
5 1	11 51.26	+ 4 1.1	1.937	2.749	14.9	21.1

361554 2007 QT_{13} 3 23.9 194°.58 1°.2/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 39.03	− 0 10.5	1.749	2.603	13.4	21.5
3 2	12 32.86	+ 0 21.9	1.674	2.601	9.6	21.2
3 12	12 24.53	+ 1 3.9	1.624	2.599	5.3	21.0
3 22	12 14.85	+ 1 50.1	1.601	2.597	1.3	20.7
4 1	12 4.89	+ 2 34.1	1.607	2.594	4.5	20.9
4 11	11 55.80	+ 3 9.6	1.641	2.590	8.9	21.1
4 21	11 48.49	+ 3 32.0	1.699	2.586	12.9	21.4
5 1	11 43.58	+ 3 38.9	1.778	2.581	16.3	21.6

455864 2005 UT_{60} 3 23.9 194°.26 0°.6/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 38.09	− 6 3.1	1.674	2.516	14.5	22.7
3 2	12 32.30	− 5 24.9	1.596	2.514	10.7	22.5
3 12	12 24.27	− 4 29.9	1.541	2.512	6.2	22.2
3 22	12 14.81	− 3 23.1	1.514	2.509	1.4	21.9
4 1	12 5.03	− 2 11.5	1.515	2.506	3.8	22.1
4 11	11 56.13	− 1 3.8	1.543	2.501	8.6	22.3
4 21	11 49.05	− 0 6.9	1.596	2.496	12.9	22.6
5 1	11 44.45	+ 0 34.3	1.671	2.491	16.5	22.8

176721 2002 QZ_{89} 3 23.9 171°.80 4°.3/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.79	+ 7 42.5	1.818	2.687	12.3	20.9
3 2	12 31.12	+ 8 49.8	1.756	2.689	8.8	20.7
3 12	12 23.48	+ 9 59.8	1.719	2.691	5.5	20.5
3 22	12 14.66	+11 4.5	1.709	2.692	4.4	20.4
4 1	12 5.68	+11 56.6	1.728	2.693	6.9	20.6
4 11	11 57.57	+12 30.6	1.773	2.694	10.4	20.8
4 21	11 51.15	+12 44.0	1.841	2.694	13.7	21.0
5 1	11 46.96	+12 36.9	1.930	2.694	16.6	21.2

336990 2011 LT_{8} 3 23.9 70°.43 0°.5/23.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.23	− 2 41.1	1.996	2.847	12.1	20.8
3 2	12 28.45	− 2 0.5	1.923	2.849	8.7	20.6
3 12	12 21.95	− 1 8.9	1.876	2.850	4.8	20.4
3 22	12 14.41	− 0 11.3	1.856	2.852	0.8	20.1
4 1	12 6.69	+ 0 46.4	1.865	2.854	3.6	20.3
4 11	11 59.68	+ 1 37.8	1.902	2.855	7.6	20.5
4 21	11 54.11	+ 2 18.2	1.964	2.857	11.2	20.7
5 1	11 50.48	+ 2 44.5	2.048	2.859	14.2	20.9

492319 2014 BD_{28} 3 23.9 84°.23 1°.7/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.36	− 8 57.6	2.186	3.012	12.2	21.6
3 2	12 28.37	− 8 34.2	2.118	3.025	9.1	21.4
3 12	12 21.83	− 7 56.9	2.076	3.039	5.6	21.2
3 22	12 14.39	− 7 8.8	2.060	3.052	2.2	21.0
4 1	12 6.83	− 6 14.7	2.074	3.065	2.9	21.1
4 11	11 59.99	− 5 20.4	2.116	3.078	6.3	21.4
4 21	11 54.50	− 4 31.2	2.185	3.090	9.6	21.6
5 1	11 50.82	− 3 51.2	2.277	3.103	12.4	21.8

29582 1998 FR_{58} 3 23.9 33°.42 0°.6/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.00	− 1 28.1	2.061	2.915	11.7	17.6
3 2	12 28.21	− 0 56.9	1.992	2.919	8.4	17.4
3 12	12 21.79	− 0 16.8	1.948	2.924	4.6	17.2
3 22	12 14.38	+ 0 27.9	1.932	2.928	0.8	16.9
4 1	12 6.83	+ 1 11.7	1.945	2.933	3.6	17.1
4 11	11 59.99	+ 1 49.3	1.985	2.938	7.4	17.4
4 21	11 54.54	+ 2 16.7	2.051	2.943	10.8	17.6
5 1	11 50.97	+ 2 31.4	2.139	2.949	13.7	17.8

74388 1998 XG_{25} 3 23.9 137°.46 0°.2/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.45	− 3 20.5	2.195	3.040	11.4	20.6
3 2	12 28.46	− 2 41.2	2.123	3.045	8.2	20.4
3 12	12 21.90	− 1 51.5	2.077	3.050	4.6	20.2
3 22	12 14.40	− 0 55.8	2.059	3.055	0.7	19.9
4 1	12 6.76	+ 0 0.4	2.070	3.059	3.2	20.1
4 11	11 59.79	+ 0 51.5	2.110	3.063	6.9	20.4
4 21	11 54.14	+ 1 33.1	2.176	3.067	10.3	20.6
5 1	11 50.29	+ 2 2.0	2.264	3.071	13.1	20.8

375962 2009 WM_{200} 3 23.9 178°.80 1°.8/26.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.13	− 9 51.1	2.133	2.955	12.6	21.7
3 2	12 29.06	− 9 21.0	2.052	2.956	9.4	21.5
3 12	12 22.29	− 8 35.0	1.995	2.957	5.9	21.3
3 22	12 14.48	− 7 36.3	1.966	2.957	2.5	21.1
4 1	12 6.46	− 6 30.1	1.966	2.957	3.1	21.1
4 11	11 59.10	− 5 22.8	1.995	2.957	6.6	21.4
4 21	11 53.13	− 4 20.6	2.050	2.956	10.2	21.6
5 1	11 49.07	− 3 28.7	2.129	2.955	13.2	21.8

162714 2000 UN_{96} 3 23.9 172°.91 1°.0/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 38.50	− 5 33.2	1.596	2.441	14.9	19.6
3 2	12 32.65	− 5 21.4	1.523	2.442	11.0	19.3
3 12	12 24.49	− 4 54.8	1.473	2.443	6.5	19.1
3 22	12 14.86	− 4 17.0	1.449	2.444	1.8	18.8
4 1	12 4.93	− 3 34.0	1.453	2.444	3.8	18.9
4 11	11 55.95	− 2 52.8	1.483	2.444	8.6	19.2
4 21	11 48.89	− 2 19.6	1.538	2.444	12.9	19.4
5 1	11 44.40	− 1 58.9	1.615	2.444	16.5	19.7

121658 1999 XU_{8} 3 23.9 183°.57 16°.9/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 46.66	+37 32.2	1.385	2.211	17.9	19.7
3 2	12 39.16	+39 58.5	1.363	2.212	16.9	19.6
3 12	12 28.29	+41 51.6	1.362	2.212	17.0	19.6
3 22	12 15.48	+42 58.2	1.381	2.212	18.1	19.7
4 1	12 2.64	+43 11.7	1.419	2.211	19.8	19.8
4 11	11 51.67	+42 34.1	1.472	2.209	21.7	19.9
4 21	11 43.78	+41 13.3	1.539	2.207	23.5	20.1
5 1	11 39.52	+39 19.3	1.616	2.203	25.1	20.2

34429 2000 SC_{27} 3 23.9 219°.43 0°.9/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 31.13	− 7 35.1	2.472	3.301	10.8	20.1
3 2	12 26.73	− 6 51.1	2.386	3.298	8.0	19.9
3 12	12 20.92	− 5 54.1	2.327	3.294	4.7	19.7
3 22	12 14.25	− 4 47.7	2.296	3.290	1.4	19.5
4 1	12 7.40	− 3 36.9	2.295	3.286	2.6	19.6
4 11	12 1.08	− 2 27.6	2.323	3.282	6.0	19.8
4 21	11 55.89	− 1 24.8	2.378	3.277	9.2	20.0
5 1	11 52.28	− 0 32.8	2.457	3.273	12.0	20.2

468577 2007 GZ_{37} 3 23.9 347°.29 7°.0/19.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 40.39	+14 49.3	1.422	2.298	14.6	20.2
3 2	12 34.21	+15 16.8	1.360	2.291	11.0	20.0
3 12	12 25.41	+15 37.0	1.321	2.285	7.9	19.8
3 22	12 15.02	+15 41.9	1.306	2.280	7.1	19.7
4 1	12 4.40	+15 24.8	1.318	2.275	9.5	19.8
4 11	11 54.98	+14 43.5	1.353	2.271	13.1	20.0
4 21	11 47.82	+13 39.3	1.410	2.268	16.8	20.2
5 1	11 43.55	+12 15.9	1.485	2.266	20.0	20.4

436302 2010 EE_{22} 3 23.9 75°.22 2°.5/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.54	+ 3 5.5	2.020	2.885	11.4	21.2
3 2	12 27.92	+ 4 10.0	1.953	2.887	8.0	21.0
3 12	12 21.65	+ 5 20.9	1.913	2.889	4.5	20.8
3 22	12 14.38	+ 6 31.8	1.900	2.891	2.6	20.7
4 1	12 6.95	+ 7 35.9	1.916	2.893	5.1	20.8
4 11	12 0.24	+ 8 27.2	1.960	2.895	8.6	21.1
4 21	11 54.94	+ 9 2.0	2.028	2.898	11.9	21.3
5 1	11 51.54	+ 9 18.8	2.117	2.900	14.7	21.5

221939 6017 $P–L$ 3 23.9 208°.09 1°.4/25.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 38.92	− 6 40.9	2.173	2.998	12.3	21.6
3 2	12 32.53	− 6 40.3	2.085	2.993	9.1	21.4
3 12	12 24.28	− 6 28.1	2.022	2.987	5.5	21.2
3 22	12 14.84	− 6 6.3	1.988	2.980	2.0	20.9
4 1	12 5.09	− 5 38.7	1.983	2.973	3.1	21.0
4 11	11 55.98	− 5 9.9	2.007	2.966	6.9	21.2
4 21	11 48.32	− 4 44.6	2.059	2.958	10.5	21.4
5 1	11 42.68	− 4 26.7	2.134	2.949	13.6	21.6

186161 2001 UW_{120} 3 23.9 159°.68 4°.0/19.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.84	+ 9 1.5	2.087	2.949	11.2	21.3
3 2	12 31.63	+ 9 51.8	2.025	2.955	8.1	21.2
3 12	12 23.69	+10 42.3	1.990	2.960	5.1	21.0
3 22	12 14.73	+11 27.0	1.983	2.964	4.1	20.9
4 1	12 5.66	+12 0.1	2.005	2.968	6.2	21.1
4 11	11 57.40	+12 17.5	2.054	2.972	9.4	21.2
4 21	11 50.67	+12 17.9	2.128	2.974	12.4	21.4
5 1	11 45.96	+12 1.2	2.223	2.977	14.9	21.6

506065 2015 MU_{27} 3 23.9 171°.05 3°.7/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.88	−16 14.5	2.570	3.354	11.8	21.4
3 2	12 27.98	−16 12.9	2.483	3.356	9.3	21.2
3 12	12 21.64	−15 55.0	2.420	3.357	6.7	21.1
3 22	12 14.40	−15 22.1	2.385	3.357	4.4	20.9
4 1	12 6.96	−14 36.9	2.378	3.358	3.9	20.9
4 11	12 0.06	−13 44.2	2.400	3.359	5.9	21.0
4 21	11 54.31	−12 49.1	2.449	3.359	8.5	21.2
5 1	11 50.20	−11 56.8	2.523	3.359	11.1	21.3

165438 2000 YG_{87} 3 23.9 68°.45 1°.1/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 36.90	− 1 41.8	1.395	2.260	15.5	19.8
3 2	12 31.50	− 0 53.6	1.345	2.277	11.0	19.6
3 12	12 23.78	+ 0 7.4	1.317	2.294	6.0	19.4
3 22	12 14.75	+ 1 13.8	1.315	2.310	1.3	19.1
4 1	12 5.67	+ 2 16.9	1.339	2.327	4.9	19.4
4 11	11 57.80	+ 3 8.3	1.390	2.344	9.7	19.7
4 21	11 52.02	+ 3 42.9	1.463	2.361	13.9	20.0
5 1	11 48.86	+ 3 58.2	1.556	2.378	17.4	20.3

100642 1997 VV_{4} 3 23.9 150°.95 0°.4/24.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.81	− 5 14.8	2.257	3.090	11.6	20.3
3 2	12 30.10	− 4 36.4	2.185	3.100	8.4	20.1
3 12	12 22.81	− 3 46.4	2.139	3.109	4.8	19.9
3 22	12 14.60	− 2 49.0	2.122	3.118	1.0	19.7
4 1	12 6.25	− 1 49.4	2.135	3.125	3.0	19.8
4 11	11 58.60	− 0 53.4	2.177	3.132	6.7	20.1
4 21	11 52.31	− 0 5.7	2.247	3.139	10.0	20.3
5 1	11 47.85	+ 0 30.2	2.339	3.145	12.8	20.5

92671 2000 QX_{55} 3 23.9 103°.33 3°.1/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.76	+ 3 0.7	1.563	2.430	14.0	19.0
3 2	12 31.92	+ 4 10.5	1.512	2.446	9.9	18.8
3 12	12 23.96	+ 5 27.5	1.486	2.463	5.5	18.6
3 22	12 14.80	+ 6 43.0	1.487	2.479	3.1	18.4
4 1	12 5.60	+ 7 48.5	1.516	2.494	6.1	18.7
4 11	11 57.51	+ 8 36.9	1.571	2.509	10.2	18.9
4 21	11 51.37	+ 9 4.8	1.650	2.524	14.0	19.2
5 1	11 47.68	+ 9 11.6	1.748	2.538	17.1	19.4

293999 2007 TE_{84} 3 23.9 165°.77 0°.7/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 38.23	− 5 51.6	1.975	2.809	13.0	21.4
3 2	12 32.07	− 5 22.9	1.901	2.815	9.5	21.2
3 12	12 24.02	− 4 40.7	1.851	2.820	5.5	20.9
3 22	12 14.82	− 3 49.2	1.829	2.824	1.4	20.7
4 1	12 5.42	− 2 53.8	1.837	2.828	3.3	20.8
4 11	11 56.82	− 2 1.1	1.873	2.830	7.4	21.1
4 21	11 49.81	− 1 16.4	1.936	2.832	11.1	21.3
5 1	11 44.93	− 0 43.8	2.021	2.834	14.3	21.5

215034 2009 CR_{12} 3 23.9 52°.34 1°.0/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.99	− 3 21.4	1.382	2.248	15.6	20.2
3 2	12 29.56	− 2 12.6	1.320	2.253	11.2	20.0
3 12	12 22.81	− 0 46.6	1.282	2.259	6.1	19.7
3 22	12 14.63	+ 0 48.2	1.269	2.265	1.2	19.4
4 1	12 6.25	+ 2 21.3	1.283	2.271	4.9	19.6
4 11	11 58.93	+ 3 41.9	1.322	2.277	10.0	19.9
4 21	11 53.63	+ 4 42.9	1.384	2.284	14.5	20.2
5 1	11 50.93	+ 5 20.7	1.465	2.290	18.2	20.5

349602 2008 TB_{187} 3 23.9 354°.93 2°.8/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.37	+ 2 50.2	1.112	1.996	17.1	20.3
3 2	12 32.54	+ 3 16.7	1.051	1.992	12.3	20.0
3 12	12 24.72	+ 3 52.2	1.011	1.989	6.9	19.7
3 22	12 14.97	+ 4 28.8	0.994	1.988	2.8	19.5
4 1	12 4.87	+ 4 57.4	1.001	1.987	6.6	19.7
4 11	11 56.06	+ 5 10.2	1.031	1.986	12.1	20.0
4 21	11 49.80	+ 5 3.4	1.082	1.987	17.1	20.3
5 1	11 46.80	+ 4 36.0	1.150	1.989	21.3	20.5

121508 1999 TY_{307} 3 23.9 274°.04 1°.4/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.76	+ 0 16.8	1.903	2.762	12.3	19.8
3 2	12 29.71	+ 0 54.2	1.824	2.754	8.8	19.6
3 12	12 22.77	+ 1 40.6	1.769	2.745	4.8	19.3
3 22	12 14.63	+ 2 30.8	1.742	2.737	1.4	19.1
4 1	12 6.20	+ 3 18.5	1.743	2.729	4.3	19.3
4 11	11 58.48	+ 3 57.6	1.772	2.721	8.4	19.5
4 21	11 52.28	+ 4 24.0	1.825	2.712	12.2	19.7
5 1	11 48.18	+ 4 34.9	1.900	2.704	15.4	19.9

374578 2006 CF_{40} 3 23.9 47°.19 0°.3/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.84	− 2 49.1	1.590	2.444	14.5	20.9
3 2	12 31.99	− 2 45.3	1.535	2.460	10.5	20.7
3 12	12 24.01	− 2 30.3	1.503	2.477	5.9	20.4
3 22	12 14.82	− 2 8.4	1.498	2.493	1.1	20.1
4 1	12 5.56	− 1 44.7	1.520	2.511	3.8	20.4
4 11	11 57.37	− 1 25.0	1.569	2.528	8.3	20.7
4 21	11 51.11	− 1 13.6	1.642	2.546	12.3	20.9
5 1	11 47.29	− 1 13.5	1.736	2.564	15.6	21.2

364195 2006 QD_{12} 3 23.9 220°.38 1°.4/22.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.03	− 0 1.6	1.979	2.830	12.2	22.5
3 2	12 31.32	+ 0 44.7	1.895	2.822	8.7	22.2
3 12	12 23.67	+ 1 40.5	1.837	2.812	4.8	22.0
3 22	12 14.79	+ 2 40.6	1.807	2.802	1.4	21.7
4 1	12 5.60	+ 3 38.3	1.807	2.791	4.4	21.9
4 11	11 57.09	+ 4 27.4	1.834	2.780	8.4	22.1
4 21	11 50.10	+ 5 3.1	1.887	2.768	12.2	22.3
5 1	11 45.23	+ 5 22.7	1.962	2.755	15.4	22.5

39253 2000 YH_{106} 3 23.9 277°.98 3°.8/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 37.17	−11 57.9	1.588	2.413	16.0	18.6
3 2	12 32.05	−12 4.0	1.492	2.394	12.5	18.3
3 12	12 24.41	−11 49.2	1.417	2.374	8.4	18.0
3 22	12 14.96	−11 14.4	1.368	2.354	4.6	17.7
4 1	12 4.85	−10 23.3	1.345	2.333	4.7	17.7
4 11	11 55.42	− 9 23.6	1.348	2.313	8.8	17.9
4 21	11 47.84	− 8 23.8	1.375	2.292	13.3	18.1
5 1	11 42.95	− 7 32.1	1.424	2.272	17.4	18.3

68792 2002 FY_{30} 3 23.9 344°.44 3°.3/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 31.91	+ 3 40.9	1.743	2.616	12.5	19.0
3 2	12 27.75	+ 5 2.0	1.676	2.613	8.8	18.8
3 12	12 21.69	+ 6 30.9	1.634	2.611	5.1	18.6
3 22	12 14.46	+ 7 59.5	1.620	2.609	3.4	18.5
4 1	12 7.01	+ 9 18.9	1.633	2.607	6.2	18.6
4 11	12 0.36	+10 21.5	1.672	2.605	10.1	18.8
4 21	11 55.29	+11 3.2	1.735	2.604	13.6	19.1
5 1	11 52.35	+11 22.3	1.818	2.603	16.7	19.3

375380 2008 SJ_{168} 3 23.9 169°.55 0°.6/24.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.70	− 5 31.0	2.488	3.319	10.7	22.1
3 2	12 29.25	− 5 1.5	2.410	3.322	7.8	21.9
3 12	12 22.34	− 4 21.4	2.357	3.326	4.5	21.7
3 22	12 14.56	− 3 34.1	2.334	3.329	1.1	21.4
4 1	12 6.62	− 2 44.0	2.341	3.331	2.7	21.5
4 11	11 59.27	− 1 56.0	2.377	3.333	6.1	21.8
4 21	11 53.13	− 1 14.4	2.441	3.334	9.2	22.0
5 1	11 48.64	− 0 42.4	2.528	3.335	11.9	22.2

309842 2009 CS_{39} 3 23.9 148°.39 2°.1/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2 21	12 39.14	− 7 46.0	1.561	2.399	15.6	20.6
3 2	12 33.20	− 7 47.3	1.488	2.401	11.7	20.4
3 12	12 24.87	− 7 31.9	1.438	2.403	7.2	20.1
3 22	12 15.01	− 7 2.4	1.413	2.405	2.8	19.9
4 1	12 4.83	− 6 24.2	1.416	2.407	3.9	19.9
4 11	11 55.63	− 5 44.1	1.445	2.409	8.5	20.2
4 21	11 48.42	− 5 9.0	1.499	2.410	12.8	20.4
5 1	11 43.85	− 4 44.2	1.574	2.412	16.5	20.7

215900 2005 GR_{124} 3 23.9 259°.67 10°.5/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 39.71	+24 18.7	1.649	2.510	13.7	20.1
3 2	12 33.60	+25 51.6	1.597	2.502	11.6	19.9
3 12	12 25.06	+27 10.5	1.568	2.493	10.5	19.8
3 22	12 15.04	+28 4.8	1.564	2.485	11.1	19.8
4 1	12 4.81	+28 26.8	1.585	2.476	13.1	19.9
4 11	11 55.68	+28 14.0	1.627	2.467	15.7	20.1
4 21	11 48.65	+27 28.8	1.688	2.458	18.2	20.2
5 1	11 44.32	+26 16.2	1.765	2.449	20.5	20.4

310945 2003 TX_{15} 3 23.9 86°.99 4°.2/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 39.30	+ 6 52.5	1.575	2.445	13.8	20.5
3 2	12 32.93	+ 7 56.4	1.534	2.468	9.8	20.3
3 12	12 24.47	+ 9 2.1	1.517	2.490	5.9	20.2
3 22	12 14.91	+10 1.3	1.527	2.513	4.3	20.1
4 1	12 5.42	+10 46.5	1.565	2.535	6.9	20.3
4 11	11 57.13	+11 12.5	1.629	2.557	10.7	20.6
4 21	11 50.85	+11 17.9	1.716	2.578	14.1	20.8
5 1	11 47.02	+11 3.4	1.822	2.599	17.0	21.1

140560 2001 TW_{204} 3 23.9 150°.57 3°.9/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.81	+ 9 17.4	2.430	3.296	9.7	20.3
3 2	12 27.90	+10 24.3	2.369	3.300	7.0	20.1
3 12	12 21.58	+11 31.8	2.336	3.304	4.6	19.9
3 22	12 14.44	+12 34.0	2.331	3.308	4.0	19.9
4 1	12 7.19	+13 25.3	2.355	3.312	5.9	20.0
4 11	12 0.56	+14 1.7	2.407	3.315	8.6	20.2
4 21	11 55.14	+14 21.3	2.483	3.318	11.2	20.4
5 1	11 51.37	+14 23.7	2.580	3.321	13.4	20.5

88891 2001 SX_{298} 3 23.9 43°.56 1°.0/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 30.90	− 8 10.5	1.881	2.721	13.2	19.9
3 2	12 26.84	− 7 14.8	1.817	2.734	9.7	19.7
3 12	12 21.09	− 6 2.6	1.778	2.747	5.7	19.5
3 22	12 14.37	− 4 39.0	1.766	2.760	1.7	19.3
4 1	12 7.54	− 3 11.5	1.782	2.774	3.1	19.4
4 11	12 1.50	− 1 48.1	1.826	2.788	7.2	19.7
4 21	11 56.93	− 0 35.4	1.896	2.802	10.8	19.9
5 1	11 54.29	+ 0 21.9	1.988	2.816	13.9	20.1

33252 1998 HA_{28} 3 23.9 200°.81 1°.0/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 32.22	− 7 34.4	2.824	3.645	9.8	19.9
3 2	12 27.39	− 7 6.4	2.736	3.642	7.3	19.7
3 12	12 21.29	− 6 27.6	2.674	3.638	4.4	19.5
3 22	12 14.40	− 5 40.7	2.641	3.634	1.5	19.3
4 1	12 7.35	− 4 49.5	2.638	3.629	2.4	19.4
4 11	12 0.76	− 3 58.4	2.666	3.624	5.4	19.6
4 21	11 55.17	− 3 11.6	2.721	3.619	8.2	19.7
5 1	11 51.02	− 2 32.4	2.801	3.613	10.7	19.9

502322 2015 BD_{161} 3 23.9 208°.95 0°.1/24.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 33.42	− 4 35.9	2.008	2.853	12.3	21.4
3 2	12 28.66	− 3 48.6	1.930	2.851	8.9	21.2
3 12	12 22.15	− 2 48.2	1.877	2.849	5.0	21.0
3 22	12 14.56	− 1 39.4	1.851	2.847	0.9	20.6
4 1	12 6.75	− 0 28.6	1.854	2.844	3.4	20.8
4 11	11 59.62	+ 0 37.1	1.886	2.842	7.5	21.1
4 21	11 53.91	+ 1 32.2	1.943	2.839	11.1	21.3
5 1	11 50.16	+ 2 12.8	2.023	2.836	14.3	21.5

170120 2002 YR_{18} 3 24.0 101°.71 2°.6/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 34.35	+ 5 15.1	2.443	3.301	9.9	20.4
3 2	12 28.88	+ 6 7.8	2.392	3.322	7.0	20.2
3 12	12 22.07	+ 7 3.1	2.369	3.342	4.0	20.1
3 22	12 14.54	+ 7 55.7	2.374	3.362	2.6	20.0
4 1	12 6.99	+ 8 40.9	2.410	3.382	4.6	20.2
4 11	12 0.13	+ 9 14.6	2.474	3.401	7.5	20.4
4 21	11 54.53	+ 9 34.7	2.563	3.420	10.2	20.6
5 1	11 50.57	+ 9 40.6	2.675	3.439	12.4	20.8

274374 2008 RP_{78} 3 24.0 234°.24 1°.7/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
2 21	12 35.12	− 8 30.0	2.117	2.943	12.5	21.1
3 2	12 29.88	− 8 15.5	2.029	2.936	9.4	20.9
3 12	12 22.86	− 7 46.6	1.965	2.928	5.8	20.7
3 22	12 14.70	− 7 6.1	1.929	2.921	2.3	20.4
4 1	12 6.24	− 6 18.3	1.922	2.913	3.1	20.5
4 11	11 58.39	− 5 28.9	1.943	2.904	6.8	20.7
4 21	11 51.94	− 4 43.6	1.990	2.896	10.4	20.9
5 1	11 47.44	− 4 7.0	2.061	2.887	13.6	21.1