193180 2000 PU_{25} 1 1.9 171°.78 18°.4/ 7.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 23	7 17.73	−14 32.3	1.322	1.994	25.8	20.3
12 3	7 14.53	−16 16.1	1.257	1.995	23.8	20.1
12 13	7 7.81	−17 26.8	1.204	1.997	21.7	20.0
12 23	6 58.15	−17 53.0	1.166	1.998	19.8	19.8
1 2	6 46.74	−17 25.7	1.146	1.998	18.6	19.8
1 12	6 35.25	−16 2.9	1.144	1.999	18.5	19.7
1 22	6 25.32	−13 51.4	1.163	1.999	19.6	19.8
2 1	6 18.28	−11 3.9	1.200	1.998	21.5	19.9

157983 2000 HL_{96} 1 1.9 265°.09 4°.2/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
11 23	7 16.00	+12 46.7	1.605	2.370	18.4	20.3
12 3	7 12.75	+12 29.6	1.508	2.358	15.2	20.0
12 13	7 6.39	+12 24.3	1.430	2.346	11.3	19.7
12 23	6 57.40	+12 32.2	1.375	2.333	7.1	19.5
1 2	6 46.74	+12 53.3	1.346	2.320	4.3	19.3
1 12	6 35.83	+13 25.8	1.345	2.307	6.5	19.4
1 22	6 26.11	+14 6.9	1.370	2.294	10.9	19.6
2 1	6 18.83	+14 53.3	1.420	2.281	15.3	19.8

219365 2000 SC_{10} 1 1.9 37°.37 5°.5/ 1.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
11 23	7 17.99	+33 17.6	1.589	2.372	17.8	19.7
12 3	7 14.61	+34 18.4	1.523	2.385	14.4	19.5
12 13	7 7.70	+35 16.8	1.478	2.399	10.6	19.3
12 23	6 57.99	+36 5.5	1.457	2.413	7.0	19.1
1 2	6 46.75	+36 37.7	1.462	2.428	5.5	19.1
1 12	6 35.70	+36 49.9	1.493	2.444	7.6	19.3
1 22	6 26.43	+36 42.8	1.551	2.460	11.1	19.5
2 1	6 20.10	+36 20.6	1.632	2.476	14.5	19.7

74409 1998 YN_{28} 1 1.9 253°.11 1°.1/ 1.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
11 23	7 14.42	+23 41.6	2.338	3.098	13.5	19.5
12 3	7 10.52	+24 20.3	2.238	3.091	10.8	19.3
12 13	7 4.27	+25 3.6	2.161	3.085	7.5	19.1
12 23	6 56.09	+25 48.4	2.110	3.078	3.9	18.8
1 2	6 46.76	+26 31.2	2.089	3.071	1.1	18.6
1 12	6 37.27	+27 9.0	2.099	3.065	4.2	18.8
1 22	6 28.66	+27 39.9	2.138	3.058	7.9	19.0
2 1	6 21.84	+28 3.6	2.204	3.051	11.1	19.2

256137 2006 VZ_{12} 1 1.9 358°.51 0°.3/ 2.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
11 23	7 23.77	+29 18.9	1.519	2.295	18.8	19.2
12 3	7 18.99	+28 8.9	1.432	2.293	15.2	18.9
12 13	7 10.59	+26 49.8	1.364	2.292	10.7	18.7
12 23	6 59.38	+25 20.2	1.322	2.291	5.6	18.4
1 2	6 46.75	+23 41.4	1.308	2.291	0.3	18.0
1 12	6 34.48	+21 58.1	1.323	2.291	5.5	18.4
1 22	6 24.12	+20 16.9	1.366	2.293	10.7	18.7
2 1	6 16.81	+18 43.9	1.434	2.295	15.2	18.9

445095 2008 TG_{175} 1 1.9 51°.46 5°.3/ 1.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
11 23	7 21.40	+32 35.2	1.335	2.126	20.2	21.5
12 3	7 17.90	+33 20.2	1.271	2.139	16.4	21.3
12 13	7 10.29	+34 2.5	1.227	2.151	11.9	21.0
12 23	6 59.40	+34 34.4	1.204	2.165	7.5	20.8
1 2	6 46.75	+34 48.5	1.207	2.179	5.3	20.7
1 12	6 34.44	+34 41.7	1.236	2.193	7.9	20.9
1 22	6 24.32	+34 16.4	1.289	2.207	12.1	21.2
2 1	6 17.69	+33 38.0	1.366	2.221	16.1	21.5

52608 1997 TM_{19} 1 1.9 22°.17 7°.7/ 1.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
11 23	7 21.36	+40 4.4	1.480	2.257	19.2	18.9
12 3	7 17.86	+40 42.3	1.412	2.264	15.9	18.7
12 13	7 10.24	+41 10.1	1.362	2.271	12.4	18.5
12 23	6 59.34	+41 19.4	1.335	2.279	9.1	18.3
1 2	6 46.75	+41 3.4	1.333	2.288	7.7	18.3
1 12	6 34.56	+40 20.6	1.356	2.297	9.2	18.4
1 22	6 24.62	+39 15.6	1.404	2.308	12.4	18.6
2 1	6 18.17	+37 56.2	1.475	2.319	15.8	18.8

197999 2004 RP_{177} 1 1.9 174°.67 3°.6/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
11 23	7 18.54	+14 50.2	1.803	2.558	17.0	20.8
12 3	7 14.17	+14 19.7	1.715	2.560	13.9	20.6
12 13	7 6.96	+13 57.0	1.647	2.562	10.2	20.4
12 23	6 57.50	+13 42.9	1.604	2.563	6.2	20.1
1 2	6 46.76	+13 37.6	1.589	2.564	3.6	20.0
1 12	6 36.03	+13 40.6	1.602	2.564	5.8	20.1
1 22	6 26.54	+13 50.9	1.644	2.564	9.8	20.4
2 1	6 19.32	+14 7.0	1.710	2.563	13.5	20.6

59472 1999 HX 1 1.9 137°.76 8°.5/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
11 23	7 15.76	− 6 50.1	2.969	3.604	13.3	20.0
12 3	7 10.56	− 8 6.7	2.893	3.621	11.8	19.9
12 13	7 3.68	− 9 9.4	2.839	3.637	10.3	19.8
12 23	6 55.55	− 9 54.5	2.809	3.653	9.1	19.8
1 2	6 46.77	−10 19.3	2.806	3.668	8.5	19.7
1 12	6 38.04	−10 23.0	2.830	3.682	8.7	19.8
1 22	6 30.06	−10 7.0	2.881	3.695	9.7	19.9
2 1	6 23.39	− 9 34.3	2.956	3.707	11.0	20.0

4798 Mercator 1 1.9 208°.85 0°.3/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
11 23	7 20.10	+21 54.0	1.656	2.427	17.7	17.4
12 3	7 16.03	+22 15.5	1.564	2.423	14.3	17.2
12 13	7 8.68	+22 43.6	1.492	2.418	10.1	16.9
12 23	6 58.56	+23 15.3	1.445	2.414	5.2	16.6
1 2	6 46.77	+23 46.6	1.425	2.408	0.3	16.3
1 12	6 34.81	+24 13.7	1.434	2.402	5.3	16.6
1 22	6 24.23	+24 34.9	1.471	2.396	10.2	16.9
2 1	6 16.30	+24 50.2	1.532	2.389	14.6	17.1

19784 2000 QJ_{81} 1 1.9 251°.19 3°.3/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
11 23	7 11.23	+11 49.1	2.559	3.298	13.0	19.5
12 3	7 7.54	+11 37.4	2.459	3.293	10.6	19.3
12 13	7 1.92	+11 33.8	2.381	3.288	7.9	19.1
12 23	6 54.79	+11 39.0	2.330	3.282	5.1	18.9
1 2	6 46.78	+11 52.9	2.307	3.277	3.3	18.8
1 12	6 38.72	+12 14.5	2.314	3.272	4.6	18.9
1 22	6 31.39	+12 42.4	2.350	3.266	7.4	19.1
2 1	6 25.50	+13 14.7	2.414	3.261	10.3	19.2

353687 2011 UP_{306} 1 1.9 144°.76 2°.6/ 1.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
11 23	7 21.59	+28 20.3	1.891	2.654	16.1	21.7
12 3	7 16.73	+28 50.7	1.809	2.662	12.9	21.5
12 13	7 8.82	+29 21.7	1.748	2.670	9.1	21.3
12 23	6 58.48	+29 48.7	1.713	2.678	5.1	21.0
1 2	6 46.79	+30 7.2	1.706	2.685	2.6	20.9
1 12	6 35.17	+30 14.5	1.729	2.691	5.4	21.1
1 22	6 24.99	+30 10.7	1.780	2.697	9.4	21.3
2 1	6 17.31	+29 58.2	1.857	2.702	13.0	21.6

94497 2001 UB_{50} 1 2.0 22°.09 8°.7/ 3.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.73	+ 5 9.8	1.238	2.082	18.2	19.2
12 13	7 5.03	+ 4 22.7	1.184	2.086	14.4	19.0
12 23	6 56.66	+ 3 58.5	1.151	2.091	10.8	18.8
1 2	6 46.79	+ 4 0.6	1.142	2.096	8.8	18.7
1 12	6 36.98	+ 4 28.7	1.157	2.102	9.9	18.8
1 22	6 28.71	+ 5 18.7	1.195	2.109	13.2	19.0
2 1	6 23.15	+ 6 24.1	1.255	2.116	16.9	19.2
2 11	6 20.94	+ 7 37.6	1.334	2.124	20.2	19.5

466485 2013 VG_{11} 1 2.0 69°.29 1°.2/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.56	+19 20.0	2.075	2.927	11.6	21.0
12 13	7 4.08	+19 15.4	2.022	2.944	8.1	20.8
12 23	6 55.88	+19 14.5	1.994	2.961	4.3	20.6
1 2	6 46.80	+19 16.1	1.996	2.978	1.2	20.4
1 12	6 37.88	+19 19.4	2.028	2.995	4.1	20.7
1 22	6 30.07	+19 23.6	2.088	3.013	7.7	20.9
2 1	6 24.13	+19 28.4	2.175	3.030	11.0	21.2
2 11	6 20.52	+19 33.7	2.284	3.047	13.6	21.4

127863 2003 FE_{118} 1 2.0 222°.50 0°.1/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.58	+21 17.2	1.600	2.459	14.0	20.0
12 13	7 7.62	+21 53.8	1.528	2.454	9.9	19.7
12 23	6 58.03	+22 35.5	1.481	2.450	5.1	19.4
1 2	6 46.80	+23 18.2	1.461	2.445	0.1	19.0
1 12	6 35.40	+23 57.9	1.471	2.439	5.2	19.4
1 22	6 25.29	+24 31.7	1.508	2.434	10.0	19.7
2 1	6 17.70	+24 59.2	1.570	2.428	14.2	19.9
2 11	6 13.38	+25 21.0	1.652	2.422	17.7	20.1

149242 2002 RG_{224} 1 2.0 66°.83 1°.1/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.93	+22 8.8	1.197	2.068	16.9	19.7
12 13	7 9.51	+23 11.3	1.156	2.088	11.7	19.4
12 23	6 58.99	+24 18.3	1.137	2.107	6.0	19.2
1 2	6 46.80	+25 22.5	1.144	2.127	1.1	18.9
1 12	6 34.87	+26 17.5	1.178	2.147	6.1	19.3
1 22	6 24.95	+27 0.3	1.238	2.167	11.4	19.6
2 1	6 18.32	+27 31.1	1.321	2.187	15.9	20.0
2 11	6 15.56	+27 52.3	1.422	2.206	19.5	20.3

125464 2001 WK_{8} 1 2.0 31°.65 2°.7/ 1.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.19	+25 18.7	1.218	2.094	16.3	19.3
12 13	7 7.83	+26 28.7	1.167	2.100	11.5	19.1
12 23	6 58.26	+27 40.7	1.138	2.108	6.2	18.8
1 2	6 46.80	+28 46.7	1.135	2.115	2.7	18.6
1 12	6 35.34	+29 39.7	1.158	2.124	6.7	18.9
1 22	6 25.73	+30 16.8	1.206	2.133	11.8	19.2
2 1	6 19.35	+30 39.2	1.276	2.142	16.3	19.5
2 11	6 16.92	+30 50.0	1.365	2.152	20.0	19.7

222002 1998 HN_{10} 1 2.0 233°.32 2°.5/ 1.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 7.42	+33 0.9	3.468	4.309	7.6	20.8
12 13	7 1.65	+33 27.8	3.389	4.302	5.5	20.7
12 23	6 54.59	+33 50.6	3.339	4.295	3.5	20.5
1 2	6 46.81	+34 6.9	3.319	4.288	2.5	20.4
1 12	6 38.97	+34 15.4	3.330	4.281	3.8	20.5
1 22	6 31.75	+34 15.8	3.371	4.273	5.9	20.7
2 1	6 25.75	+34 9.0	3.440	4.266	8.0	20.8
2 11	6 21.41	+33 56.5	3.533	4.258	9.9	20.9

96169 1981 EW_{23} 1 2.0 217°.64 0°.1/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 15.15	+22 44.9	1.880	2.733	12.6	20.6
12 13	7 7.72	+22 53.7	1.802	2.725	8.8	20.4
12 23	6 57.97	+23 3.9	1.748	2.717	4.6	20.1
1 2	6 46.81	+23 12.9	1.724	2.708	0.1	19.7
1 12	6 35.53	+23 18.7	1.730	2.698	4.6	20.0
1 22	6 25.40	+23 20.8	1.765	2.688	9.0	20.3
2 1	6 17.49	+23 19.9	1.826	2.677	12.9	20.5
2 11	6 12.47	+23 17.1	1.908	2.665	16.1	20.7

249382 2009 BU_{49} 1 2.0 216°.37 1°.3/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.32	+26 5.5	1.923	2.775	12.3	21.6
12 13	7 7.82	+26 17.5	1.845	2.769	8.7	21.3
12 23	6 58.00	+26 27.7	1.794	2.761	4.6	21.1
1 2	6 46.81	+26 33.1	1.772	2.754	1.3	20.8
1 12	6 35.53	+26 31.7	1.779	2.745	4.8	21.1
1 22	6 25.44	+26 23.5	1.816	2.736	8.9	21.3
2 1	6 17.60	+26 10.1	1.878	2.727	12.7	21.5
2 11	6 12.66	+25 53.8	1.962	2.717	15.8	21.7

483594 2004 PT_{8} 1 2.0 167°.41 3°.3/ 1.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.35	+32 22.6	2.049	2.892	12.1	22.1
12 13	7 10.46	+32 43.0	1.984	2.898	8.7	21.9
12 23	6 59.27	+32 55.8	1.944	2.904	5.3	21.7
1 2	6 46.81	+32 56.9	1.935	2.908	3.3	21.6
1 12	6 34.47	+32 44.5	1.956	2.912	5.5	21.7
1 22	6 23.54	+32 19.7	2.006	2.915	9.0	21.9
2 1	6 15.03	+31 46.1	2.083	2.917	12.2	22.2
2 11	6 9.51	+31 7.8	2.182	2.917	15.0	22.4

74373 1998 XF_{2} 1 2.0 89°.52 2°.9/ 1.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.60	+29 24.6	2.125	2.978	11.3	19.9
12 13	7 5.74	+30 20.1	2.069	2.990	8.0	19.7
12 23	6 56.85	+31 12.5	2.039	3.002	4.7	19.5
1 2	6 46.82	+31 57.0	2.038	3.013	2.9	19.4
1 12	6 36.81	+32 30.3	2.068	3.025	5.1	19.6
1 22	6 27.92	+32 51.5	2.126	3.037	8.4	19.8
2 1	6 21.07	+33 1.6	2.210	3.048	11.5	20.0
2 11	6 16.84	+33 3.2	2.316	3.059	14.0	20.2

109496 2001 QA_{229} 1 2.0 261°.38 0°.2/ 2.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.36	+22 49.3	2.314	3.166	10.5	19.8
12 13	7 4.00	+22 38.6	2.237	3.160	7.4	19.6
12 23	6 55.91	+22 28.2	2.186	3.154	3.8	19.3
1 2	6 46.84	+22 16.9	2.164	3.147	0.2	19.0
1 12	6 37.75	+22 4.3	2.173	3.141	3.8	19.3
1 22	6 29.58	+21 50.5	2.212	3.135	7.4	19.5
2 1	6 23.12	+21 36.1	2.277	3.128	10.7	19.7
2 11	6 18.91	+21 22.1	2.365	3.122	13.4	19.9

379418 2010 AE_{74} 1 2.0 281°.83 3°.9/ 1.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.95	+34 54.2	2.151	2.997	11.4	20.4
12 13	7 6.75	+35 6.5	2.078	2.992	8.4	20.1
12 23	6 57.39	+35 10.0	2.031	2.986	5.4	20.0
1 2	6 46.84	+35 1.0	2.012	2.980	3.9	19.9
1 12	6 36.32	+34 38.1	2.022	2.975	5.7	20.0
1 22	6 27.03	+34 2.6	2.062	2.970	8.8	20.1
2 1	6 19.92	+33 17.9	2.127	2.964	11.9	20.3
2 11	6 15.58	+32 28.1	2.214	2.959	14.5	20.5

81330 2000 GN_{30} 1 2.0 42°.80 5°.3/ 1.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.75	+33 57.4	1.422	2.285	15.2	18.3
12 13	7 8.62	+34 45.5	1.376	2.299	11.1	18.1
12 23	6 58.52	+35 23.5	1.354	2.313	7.2	17.9
1 2	6 46.84	+35 44.6	1.358	2.327	5.3	17.8
1 12	6 35.41	+35 45.8	1.388	2.342	7.6	18.0
1 22	6 25.91	+35 28.4	1.444	2.357	11.4	18.3
2 1	6 19.54	+34 57.2	1.523	2.373	15.1	18.5
2 11	6 16.85	+34 18.0	1.621	2.389	18.1	18.8

156483 2002 CX_{63} 1 2.0 353°.39 5°.2/31.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.69	+32 23.7	1.411	2.281	14.8	19.2
12 13	7 6.06	+33 26.3	1.349	2.276	10.9	18.9
12 23	6 57.38	+34 23.1	1.310	2.271	7.0	18.7
1 2	6 46.84	+35 6.2	1.297	2.267	5.2	18.6
1 12	6 36.17	+35 30.4	1.309	2.265	7.8	18.7
1 22	6 27.11	+35 35.0	1.347	2.263	11.8	18.9
2 1	6 21.04	+35 22.9	1.407	2.263	15.7	19.2
2 11	6 18.71	+34 59.1	1.486	2.263	19.1	19.4

363581 2004 CT_{1} 1 2.0 10°.75 8°.4/ 5.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 5.21	+ 3 11.2	0.958	1.820	20.9	18.9
12 13	7 1.65	+ 3 44.2	0.912	1.825	16.4	18.7
12 23	6 55.11	+ 4 53.4	0.884	1.832	11.8	18.5
1 2	6 46.85	+ 6 37.4	0.878	1.842	8.7	18.3
1 12	6 38.63	+ 8 47.9	0.894	1.854	9.5	18.4
1 22	6 32.14	+11 11.9	0.933	1.868	13.3	18.7
2 1	6 28.68	+13 36.5	0.993	1.885	17.6	19.0
2 11	6 28.93	+15 51.4	1.072	1.903	21.5	19.3

201973 2004 PA_{29} 1 2.0 84°.48 1°.7/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 16.04	+17 55.4	1.478	2.335	15.1	20.6
12 13	7 8.32	+18 5.4	1.435	2.358	10.6	20.4
12 23	6 58.19	+18 22.4	1.415	2.381	5.7	20.2
1 2	6 46.85	+18 43.9	1.423	2.404	1.7	20.0
1 12	6 35.83	+19 7.2	1.459	2.427	5.3	20.3
1 22	6 26.46	+19 30.6	1.522	2.449	9.8	20.6
2 1	6 19.76	+19 53.0	1.610	2.471	13.8	20.9
2 11	6 16.23	+20 13.8	1.719	2.492	17.0	21.2

350813 2002 CW_{275} 1 2.0 250°.38 4°.4/ 1.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.79	+34 23.3	1.857	2.703	13.0	21.7
12 13	7 10.60	+34 45.4	1.771	2.685	9.6	21.4
12 23	6 59.61	+34 58.3	1.711	2.667	6.2	21.2
1 2	6 46.87	+34 56.6	1.679	2.648	4.4	21.0
1 12	6 33.94	+34 37.4	1.676	2.629	6.6	21.1
1 22	6 22.38	+34 1.9	1.701	2.609	10.3	21.3
2 1	6 13.47	+33 14.3	1.752	2.589	14.0	21.5
2 11	6 7.98	+32 20.4	1.823	2.568	17.2	21.7

3853 Haas 1 2.0 26°.46 3°.9/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 9.43	+11 44.2	1.604	2.455	14.4	16.5
12 13	7 3.76	+11 55.1	1.546	2.461	10.6	16.3
12 23	6 55.93	+12 19.8	1.511	2.469	6.6	16.1
1 2	6 46.87	+12 57.2	1.502	2.476	4.0	15.9
1 12	6 37.84	+13 44.5	1.522	2.485	5.8	16.1
1 22	6 30.04	+14 37.8	1.568	2.494	9.7	16.3
2 1	6 24.43	+15 33.6	1.639	2.503	13.4	16.5
2 11	6 21.61	+16 28.7	1.731	2.513	16.6	16.8

278812 2008 SG_{253} 1 2.0 39°.01 5°.6/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 8.49	+ 6 55.7	1.960	2.788	13.2	20.4
12 13	7 2.79	+ 6 35.1	1.898	2.793	10.2	20.2
12 23	6 55.33	+ 6 28.8	1.859	2.799	7.3	20.0
1 2	6 46.88	+ 6 37.9	1.847	2.804	5.7	19.9
1 12	6 38.45	+ 7 1.7	1.863	2.810	6.7	20.0
1 22	6 31.01	+ 7 37.8	1.907	2.816	9.3	20.2
2 1	6 25.35	+ 8 22.9	1.976	2.822	12.3	20.4
2 11	6 22.02	+ 9 13.3	2.067	2.829	14.9	20.6

5141 Tachibana 1 2.0 134°.39 0°.8/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.71	+19 45.5	2.136	2.987	11.3	17.4
12 13	7 4.31	+19 56.7	2.070	2.992	7.9	17.2
12 23	6 56.10	+20 11.7	2.029	2.996	4.2	17.0
1 2	6 46.88	+20 28.7	2.017	3.000	0.8	16.7
1 12	6 37.67	+20 46.0	2.036	3.004	4.0	17.0
1 22	6 29.45	+21 2.4	2.084	3.008	7.8	17.2
2 1	6 23.05	+21 17.4	2.158	3.011	11.1	17.5
2 11	6 19.00	+21 30.9	2.255	3.015	13.9	17.7

370815 2004 TF_{296} 1 2.0 66°.85 6°.4/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.66	+ 6 38.0	1.889	2.714	13.7	21.0
12 13	7 4.23	+ 5 42.8	1.836	2.728	10.7	20.9
12 23	6 56.02	+ 5 1.8	1.808	2.743	7.9	20.7
1 2	6 46.89	+ 4 37.3	1.807	2.758	6.5	20.7
1 12	6 37.90	+ 4 29.9	1.834	2.773	7.5	20.8
1 22	6 30.05	+ 4 38.4	1.888	2.787	10.0	21.0
2 1	6 24.11	+ 4 59.8	1.967	2.802	12.8	21.2
2 11	6 20.59	+ 5 30.6	2.066	2.817	15.2	21.4

403271 2009 AM_{2} 1 2.0 328°.63 2°.4/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.38	+28 57.1	1.262	2.136	16.0	20.5
12 13	7 8.08	+28 49.1	1.191	2.123	11.4	20.2
12 23	6 58.49	+28 34.4	1.141	2.110	6.3	19.9
1 2	6 46.89	+28 8.9	1.117	2.098	2.4	19.6
1 12	6 35.19	+27 31.7	1.119	2.087	6.5	19.8
1 22	6 25.27	+26 45.1	1.145	2.076	11.9	20.1
2 1	6 18.59	+25 54.0	1.194	2.067	16.7	20.4
2 11	6 15.91	+25 3.0	1.262	2.058	20.8	20.6

165735 2001 QQ_{128} 1 2.0 113°.84 0°.2/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.74	+22 38.3	2.429	3.278	10.2	20.2
12 13	7 4.10	+22 29.4	2.366	3.288	7.1	20.0
12 23	6 55.90	+22 20.9	2.330	3.298	3.7	19.8
1 2	6 46.89	+22 11.8	2.324	3.307	0.2	19.5
1 12	6 37.99	+22 1.6	2.349	3.317	3.6	19.8
1 22	6 30.04	+21 50.3	2.404	3.326	7.0	20.0
2 1	6 23.75	+21 38.6	2.486	3.335	10.0	20.2
2 11	6 19.59	+21 27.1	2.592	3.344	12.4	20.4

370916 2005 LY_{4} 1 2.0 333°.95 9°.4/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 7.88	− 1 10.2	1.972	2.768	14.3	20.0
12 13	7 2.44	− 2 26.8	1.902	2.760	12.1	19.8
12 23	6 55.20	− 3 25.2	1.855	2.752	10.2	19.7
1 2	6 46.89	− 4 0.9	1.832	2.745	9.4	19.6
1 12	6 38.51	− 4 11.9	1.836	2.738	10.0	19.7
1 22	6 31.01	− 3 59.0	1.865	2.732	11.8	19.8
2 1	6 25.24	− 3 25.7	1.917	2.726	14.1	19.9
2 11	6 21.79	− 2 37.1	1.988	2.721	16.3	20.0

169368 2001 UJ_{111} 1 2.0 119°.99 2°.1/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 9.17	+15 56.0	2.664	3.502	9.7	20.2
12 13	7 2.87	+15 39.5	2.602	3.515	7.0	20.0
12 23	6 55.23	+15 27.8	2.567	3.527	4.1	19.9
1 2	6 46.90	+15 20.6	2.562	3.539	2.1	19.7
1 12	6 38.65	+15 17.6	2.589	3.551	3.8	19.9
1 22	6 31.21	+15 18.3	2.645	3.563	6.6	20.1
2 1	6 25.21	+15 22.2	2.729	3.574	9.3	20.3
2 11	6 21.07	+15 28.6	2.837	3.585	11.6	20.4

140019 2001 SO_{52} 1 2.0 42°.69 2°.2/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 8.66	+16 4.9	2.074	2.924	11.7	19.6
12 13	7 2.87	+16 6.3	2.013	2.932	8.3	19.4
12 23	6 55.35	+16 14.4	1.978	2.941	4.8	19.2
1 2	6 46.90	+16 28.4	1.971	2.950	2.2	19.1
1 12	6 38.50	+16 46.8	1.993	2.959	4.4	19.2
1 22	6 31.09	+17 8.1	2.044	2.968	7.9	19.5
2 1	6 25.45	+17 30.9	2.121	2.978	11.1	19.7
2 11	6 22.08	+17 54.1	2.220	2.987	13.8	19.9

84881 2003 CF_{11} 1 2.0 328°.66 7°.5/ 4.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 6.95	− 0 52.1	2.159	2.952	13.3	19.3
12 13	7 1.71	− 0 59.7	2.083	2.945	11.0	19.1
12 23	6 54.79	− 0 47.5	2.030	2.938	8.9	19.0
1 2	6 46.90	− 0 14.2	2.003	2.932	7.6	18.9
1 12	6 38.91	+ 0 39.6	2.003	2.926	8.0	18.9
1 22	6 31.71	+ 1 50.4	2.031	2.920	9.9	19.0
2 1	6 26.07	+ 3 13.7	2.083	2.915	12.3	19.2
2 11	6 22.57	+ 4 43.7	2.159	2.909	14.7	19.3

199931 2007 GJ_{40} 1 2.0 129°.19 1°.0/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.88	+19 31.9	2.103	2.954	11.5	21.2
12 13	7 4.44	+19 39.0	2.037	2.959	8.1	21.0
12 23	6 56.18	+19 50.0	1.997	2.964	4.3	20.7
1 2	6 46.90	+20 3.2	1.986	2.968	1.0	20.5
1 12	6 37.64	+20 17.3	2.005	2.973	4.1	20.7
1 22	6 29.40	+20 30.9	2.053	2.977	7.8	21.0
2 1	6 23.00	+20 43.7	2.127	2.981	11.2	21.2
2 11	6 18.99	+20 55.6	2.224	2.985	14.0	21.4

317391 2002 PK_{7} 1 2.0 224°.00 12°.7/ 6.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.00	− 8 26.6	1.340	2.112	21.0	21.0
12 13	7 9.64	− 8 11.8	1.265	2.106	18.0	20.8
12 23	6 59.26	− 7 15.5	1.208	2.099	15.1	20.6
1 2	6 46.91	− 5 33.1	1.175	2.092	13.0	20.4
1 12	6 34.22	− 3 7.4	1.166	2.084	13.0	20.4
1 22	6 22.87	− 0 9.1	1.183	2.075	15.2	20.5
2 1	6 14.28	+ 3 6.9	1.226	2.066	18.6	20.7
2 11	6 9.36	+ 6 25.4	1.289	2.057	21.9	20.9

463712 2014 QM_{176} 1 2.0 75°.99 8°.0/ 4.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.32	+ 0 27.8	1.752	2.556	15.5	21.1
12 13	7 4.77	+ 0 17.2	1.705	2.578	12.5	21.0
12 23	6 56.32	+ 0 28.8	1.681	2.599	9.7	20.8
1 2	6 46.91	+ 1 3.6	1.682	2.620	8.1	20.8
1 12	6 37.66	+ 1 59.4	1.710	2.641	8.6	20.9
1 22	6 29.63	+ 3 11.5	1.765	2.661	10.8	21.0
2 1	6 23.65	+ 4 34.0	1.845	2.682	13.4	21.3
2 11	6 20.22	+ 6 0.8	1.947	2.702	15.9	21.5

489263 2006 RK_{120} 1 2.0 62°.82 9°.7/ 3.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.50	− 0 6.9	1.576	2.384	16.7	21.0
12 13	7 5.02	− 1 6.5	1.533	2.403	13.8	20.8
12 23	6 56.49	− 1 42.3	1.511	2.422	11.1	20.7
1 2	6 46.91	− 1 51.0	1.514	2.442	9.7	20.7
1 12	6 37.54	− 1 32.5	1.543	2.461	10.3	20.8
1 22	6 29.52	− 0 50.7	1.596	2.481	12.4	20.9
2 1	6 23.74	+ 0 8.9	1.672	2.500	15.0	21.1
2 11	6 20.69	+ 1 19.0	1.767	2.520	17.4	21.4

203556 2002 CK_{98} 1 2.0 284°.15 1°.4/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.97	+18 53.4	1.535	2.396	14.4	20.0
12 13	7 6.68	+19 3.4	1.453	2.379	10.3	19.8
12 23	6 57.68	+19 20.4	1.395	2.363	5.6	19.4
1 2	6 46.92	+19 42.1	1.363	2.346	1.4	19.1
1 12	6 35.85	+20 6.0	1.360	2.329	5.4	19.3
1 22	6 25.97	+20 30.0	1.383	2.312	10.4	19.6
2 1	6 18.58	+20 52.9	1.431	2.295	15.0	19.8
2 11	6 14.50	+21 14.3	1.498	2.279	18.8	20.0

166270 2002 GG_{90} 1 2.0 122°.58 2°.2/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.29	+16 37.9	1.865	2.711	12.9	21.2
12 13	7 6.86	+16 35.5	1.809	2.726	9.2	21.0
12 23	6 57.42	+16 39.6	1.778	2.741	5.2	20.8
1 2	6 46.92	+16 49.1	1.776	2.755	2.2	20.6
1 12	6 36.57	+17 2.4	1.804	2.769	4.8	20.8
1 22	6 27.47	+17 18.4	1.860	2.782	8.7	21.1
2 1	6 20.51	+17 35.8	1.943	2.795	12.2	21.3
2 11	6 16.21	+17 54.0	2.047	2.807	15.1	21.5

76055 2000 DF_{61} 1 2.0 54°.30 0°.6/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 11.58	+24 2.2	1.856	2.715	12.4	19.3
12 13	7 5.05	+24 18.6	1.805	2.731	8.6	19.1
12 23	6 56.51	+24 35.4	1.779	2.748	4.4	18.8
1 2	6 46.92	+24 49.9	1.781	2.764	0.7	18.6
1 12	6 37.50	+25 0.0	1.813	2.781	4.4	18.9
1 22	6 29.34	+25 5.4	1.873	2.798	8.4	19.2
2 1	6 23.34	+25 6.5	1.958	2.815	11.9	19.4
2 11	6 20.00	+25 4.7	2.065	2.832	14.7	19.7

396103 2013 CE_{141} 1 2.0 252°.81 0°.6/ 1.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 6.14	+24 43.8	3.361	4.208	7.7	21.6
12 13	7 0.77	+24 59.8	3.277	4.199	5.4	21.4
12 23	6 54.19	+25 15.7	3.221	4.189	2.8	21.2
1 2	6 46.92	+25 30.1	3.196	4.179	0.6	21.0
1 12	6 39.60	+25 41.8	3.203	4.169	2.9	21.2
1 22	6 32.82	+25 50.2	3.239	4.158	5.5	21.4
2 1	6 27.17	+25 55.4	3.304	4.148	7.9	21.5
2 11	6 23.08	+25 57.7	3.394	4.138	9.9	21.7

184749 2005 SK_{247} 1 2.0 206°.51 1°.8/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.55	+17 45.9	2.011	2.860	12.0	20.7
12 13	7 5.02	+17 43.1	1.938	2.858	8.5	20.5
12 23	6 56.54	+17 45.5	1.891	2.855	4.7	20.3
1 2	6 46.94	+17 52.1	1.872	2.853	1.8	20.1
1 12	6 37.29	+18 1.8	1.883	2.850	4.5	20.2
1 22	6 28.66	+18 13.5	1.923	2.846	8.3	20.5
2 1	6 21.94	+18 26.5	1.989	2.843	11.9	20.7
2 11	6 17.71	+18 40.1	2.077	2.839	14.8	20.9

485063 2010 DB_{52} 1 2.0 159°.55 7°.2/ 3.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.02	+ 1 6.3	2.136	2.929	13.4	22.0
12 13	7 5.13	+ 0 39.1	2.071	2.937	10.9	21.8
12 23	6 56.51	+ 0 29.4	2.030	2.944	8.6	21.7
1 2	6 46.94	+ 0 38.9	2.017	2.950	7.3	21.6
1 12	6 37.39	+ 1 7.3	2.032	2.955	7.9	21.7
1 22	6 28.78	+ 1 51.9	2.074	2.960	9.9	21.8
2 1	6 21.91	+ 2 49.0	2.143	2.964	12.4	22.0
2 11	6 17.31	+ 3 53.6	2.233	2.967	14.7	22.1

327836 2006 WA_{82} 1 2.0 357°.35 0°.0/ 2.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 9.97	+21 29.4	1.321	2.196	15.3	20.7
12 13	7 4.72	+21 55.6	1.258	2.192	10.8	20.4
12 23	6 56.67	+22 27.4	1.219	2.189	5.6	20.1
1 2	6 46.94	+23 0.9	1.204	2.188	0.0	19.6
1 12	6 37.13	+23 32.1	1.216	2.187	5.6	20.1
1 22	6 28.82	+23 58.7	1.254	2.187	10.8	20.4
2 1	6 23.27	+24 19.8	1.314	2.189	15.3	20.6
2 11	6 21.20	+24 35.8	1.393	2.191	19.1	20.9

466228 2012 TD_{211} 1 2.0 200°.65 6°.5/ 3.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 7.32	+ 0 4.2	2.797	3.580	10.9	22.1
12 13	7 1.63	− 0 35.2	2.722	3.577	9.0	21.9
12 23	6 54.65	− 1 1.1	2.672	3.574	7.3	21.8
1 2	6 46.94	− 1 11.6	2.650	3.570	6.5	21.8
1 12	6 39.20	− 1 6.1	2.657	3.566	7.0	21.8
1 22	6 32.09	− 0 45.9	2.691	3.562	8.5	21.9
2 1	6 26.22	− 0 13.2	2.752	3.558	10.4	22.0
2 11	6 22.05	+ 0 28.7	2.835	3.553	12.2	22.1

212742 2007 RU_{277} 1 2.0 24°.60 11°.0/ 7.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 7.92	− 8 57.4	1.718	2.482	17.4	19.1
12 13	7 2.54	− 8 52.2	1.666	2.495	15.0	18.9
12 23	6 55.25	− 8 15.5	1.634	2.509	12.7	18.8
1 2	6 46.94	− 7 5.6	1.625	2.524	11.3	18.8
1 12	6 38.73	− 5 25.2	1.640	2.540	11.2	18.8
1 22	6 31.65	− 3 21.2	1.681	2.556	12.5	18.9
2 1	6 26.55	− 1 2.4	1.747	2.574	14.5	19.1
2 11	6 23.96	+ 1 21.5	1.835	2.592	16.7	19.3

6192 Javiergorosabel 1 2.0 162°.64 1°.9/ 2.6 18 A

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.16	+15 43.6	2.025	2.864	12.4	17.4
12 13	7 7.49	+16 7.6	1.958	2.872	8.8	17.1
12 23	6 57.79	+16 39.5	1.917	2.879	5.0	16.9
1 2	6 46.95	+17 17.0	1.905	2.885	1.9	16.7
1 12	6 36.09	+17 57.4	1.925	2.890	4.5	16.9
1 22	6 26.31	+18 38.1	1.974	2.895	8.3	17.2
2 1	6 18.53	+19 17.6	2.051	2.898	11.8	17.4
2 11	6 13.33	+19 54.7	2.150	2.901	14.7	17.6

189013 1998 QD_{3} 1 2.0 175°.01 3°.8/ 1.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.41	+33 9.6	1.991	2.832	12.4	21.5
12 13	7 11.37	+33 36.8	1.923	2.836	9.0	21.3
12 23	6 59.85	+33 55.7	1.882	2.840	5.6	21.1
1 2	6 46.96	+34 1.6	1.871	2.842	3.8	21.0
1 12	6 34.13	+33 52.3	1.889	2.843	5.9	21.1
1 22	6 22.76	+33 29.0	1.937	2.843	9.4	21.3
2 1	6 13.92	+32 55.2	2.011	2.842	12.7	21.5
2 11	6 8.23	+32 15.8	2.107	2.841	15.5	21.7

465521 2008 UR_{166} 1 2.0 58°.33 4°.4/31.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 13.22	+33 37.5	1.991	2.843	12.0	21.0
12 13	7 6.39	+34 34.2	1.936	2.852	8.8	20.8
12 23	6 57.31	+35 24.0	1.906	2.862	5.7	20.6
1 2	6 46.95	+36 1.5	1.905	2.872	4.4	20.6
1 12	6 36.63	+36 23.4	1.933	2.882	6.3	20.7
1 22	6 27.57	+36 29.6	1.989	2.892	9.3	20.9
2 1	6 20.80	+36 22.3	2.069	2.902	12.3	21.1
2 11	6 16.91	+36 5.5	2.170	2.913	14.9	21.3

290938 2005 WK_{146} 1 2.0 241°.65 1°.6/ 1.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.58	+26 28.0	2.129	2.982	11.3	21.3
12 13	7 5.86	+26 55.5	2.049	2.973	7.9	21.1
12 23	6 57.05	+27 22.2	1.996	2.962	4.3	20.8
1 2	6 46.97	+27 44.5	1.971	2.952	1.6	20.6
1 12	6 36.75	+28 0.1	1.977	2.941	4.5	20.8
1 22	6 27.50	+28 8.0	2.011	2.930	8.3	21.0
2 1	6 20.22	+28 9.0	2.072	2.919	11.7	21.2
2 11	6 15.53	+28 4.8	2.155	2.907	14.6	21.4

327032 2004 RA_{312} 1 2.0 170°.34 2°.0/ 1.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.13	+28 12.6	2.128	2.980	11.3	21.1
12 13	7 6.13	+28 34.3	2.059	2.982	8.0	20.9
12 23	6 57.12	+28 53.1	2.018	2.983	4.4	20.7
1 2	6 46.97	+29 5.6	2.005	2.984	2.0	20.5
1 12	6 36.83	+29 10.0	2.022	2.985	4.6	20.7
1 22	6 27.79	+29 6.0	2.069	2.986	8.2	20.9
2 1	6 20.78	+28 55.2	2.141	2.987	11.5	21.1
2 11	6 16.37	+28 39.8	2.236	2.987	14.2	21.3

170487 Mallder 1 2.0 260°.71 1°.6/ 1.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.38	+25 44.2	1.700	2.560	13.3	20.9
12 13	7 7.54	+26 13.1	1.622	2.548	9.4	20.6
12 23	6 58.07	+26 42.0	1.568	2.536	5.0	20.3
1 2	6 46.97	+27 6.7	1.543	2.524	1.6	20.1
1 12	6 35.66	+27 23.8	1.546	2.512	5.3	20.3
1 22	6 25.57	+27 32.2	1.576	2.500	9.9	20.5
2 1	6 17.93	+27 32.9	1.632	2.487	14.0	20.7
2 11	6 13.50	+27 28.1	1.708	2.474	17.4	20.9

416817 2005 GH_{215} 1 2.0 304°.90 4°.1/31.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.93	+32 35.1	2.105	2.957	11.4	20.2
12 13	7 5.58	+33 36.2	2.030	2.948	8.3	20.0
12 23	6 56.98	+34 32.9	1.982	2.939	5.4	19.8
1 2	6 46.97	+35 19.8	1.962	2.930	4.1	19.7
1 12	6 36.75	+35 52.7	1.971	2.921	6.1	19.8
1 22	6 27.55	+36 10.6	2.008	2.912	9.2	20.0
2 1	6 20.43	+36 14.7	2.070	2.904	12.3	20.1
2 11	6 16.11	+36 8.2	2.154	2.895	15.0	20.3

28789 2000 HE_{58} 1 2.0 89°.64 0°.2/ 1.9 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.81	+23 7.3	2.320	3.171	10.5	19.6
12 13	7 4.22	+23 18.8	2.265	3.188	7.3	19.4
12 23	6 56.02	+23 31.0	2.237	3.205	3.7	19.2
1 2	6 46.98	+23 42.0	2.238	3.221	0.2	18.9
1 12	6 38.06	+23 50.3	2.270	3.238	3.7	19.3
1 22	6 30.15	+23 55.4	2.332	3.254	7.1	19.5
2 1	6 23.98	+23 57.8	2.420	3.270	10.2	19.7
2 11	6 20.01	+23 58.0	2.532	3.286	12.7	19.9

370526 2003 SR_{306} 1 2.0 52°.80 8°.2/ 3.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.29	+ 2 16.8	1.871	2.681	14.4	20.3
12 13	7 3.99	+ 1 2.7	1.823	2.697	11.7	20.2
12 23	6 55.94	+ 0 6.3	1.798	2.713	9.4	20.1
1 2	6 46.98	− 0 28.8	1.800	2.730	8.3	20.0
1 12	6 38.18	− 0 41.5	1.829	2.747	9.0	20.1
1 22	6 30.51	− 0 33.3	1.883	2.765	11.0	20.3
2 1	6 24.75	− 0 7.7	1.962	2.782	13.4	20.5
2 11	6 21.37	+ 0 30.1	2.060	2.800	15.6	20.7

407431 2010 TP_{141} 1 2.0 321°.99 9°.0/31.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.67	+42 49.4	1.580	2.421	15.1	20.6
12 13	7 10.50	+43 59.4	1.514	2.412	12.2	20.4
12 23	6 59.83	+44 53.3	1.472	2.402	9.8	20.3
1 2	6 46.99	+45 21.5	1.454	2.393	9.0	20.2
1 12	6 33.97	+45 18.9	1.462	2.384	10.5	20.3
1 22	6 22.82	+44 47.0	1.494	2.375	13.3	20.4
2 1	6 15.08	+43 52.2	1.548	2.368	16.4	20.6
2 11	6 11.53	+42 43.2	1.620	2.360	19.2	20.8

186139 2001 TE_{207} 1 2.0 69°.59 1°.1/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.38	+25 7.6	1.712	2.572	13.2	20.8
12 13	7 6.54	+25 26.2	1.654	2.581	9.2	20.6
12 23	6 57.40	+25 44.3	1.621	2.589	4.8	20.3
1 2	6 46.99	+25 58.6	1.616	2.598	1.1	20.1
1 12	6 36.68	+26 6.8	1.639	2.607	4.9	20.4
1 22	6 27.74	+26 8.5	1.691	2.616	9.2	20.6
2 1	6 21.20	+26 5.0	1.767	2.624	12.9	20.9
2 11	6 17.62	+25 57.9	1.864	2.633	16.0	21.1

407900 2012 BV_{136} 1 2.0 42°.28 3°.7/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 16.91	+31 56.4	1.350	2.216	15.6	20.3
12 13	7 9.34	+31 57.6	1.304	2.231	11.2	20.1
12 23	6 58.88	+31 49.0	1.282	2.246	6.5	19.9
1 2	6 47.00	+31 26.8	1.285	2.262	3.7	19.8
1 12	6 35.55	+30 50.5	1.315	2.279	6.5	20.0
1 22	6 26.17	+30 3.4	1.372	2.296	10.9	20.3
2 1	6 19.96	+29 10.7	1.451	2.313	15.0	20.6
2 11	6 17.38	+28 17.2	1.550	2.331	18.3	20.8

278594 2008 OT_{1} 1 2.0 106°.73 1°.7/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.26	+17 13.9	1.530	2.383	14.9	20.8
12 13	7 8.57	+17 35.8	1.479	2.401	10.5	20.6
12 23	6 58.44	+18 5.9	1.453	2.419	5.7	20.4
1 2	6 47.00	+18 41.1	1.454	2.436	1.7	20.2
1 12	6 35.74	+19 17.9	1.484	2.452	5.2	20.4
1 22	6 26.02	+19 53.8	1.542	2.468	9.8	20.7
2 1	6 18.90	+20 27.3	1.624	2.483	13.8	21.0
2 11	6 14.95	+20 57.7	1.728	2.498	17.1	21.3

346112 2007 VF_{94} 1 2.0 45°.07 1°.9/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 9.73	+18 12.0	2.117	2.968	11.4	19.9
12 13	7 3.58	+17 49.4	2.055	2.976	8.1	19.7
12 23	6 55.74	+17 30.7	2.019	2.984	4.5	19.5
1 2	6 46.99	+17 15.8	2.012	2.992	1.9	19.3
1 12	6 38.35	+17 4.7	2.034	3.000	4.3	19.5
1 22	6 30.72	+16 57.1	2.086	3.009	7.8	19.7
2 1	6 24.88	+16 52.8	2.163	3.018	11.0	20.0
2 11	6 21.32	+16 51.3	2.263	3.027	13.7	20.2

320915 2008 GN_{98} 1 2.0 97°.46 3°.6/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.64	+12 15.2	1.855	2.698	13.1	21.0
12 13	7 4.47	+12 17.0	1.789	2.701	9.7	20.8
12 23	6 56.30	+12 30.0	1.747	2.703	6.0	20.5
1 2	6 47.00	+12 53.6	1.733	2.706	3.7	20.4
1 12	6 37.67	+13 26.0	1.748	2.709	5.4	20.5
1 22	6 29.41	+14 4.7	1.790	2.712	9.0	20.7
2 1	6 23.12	+14 47.0	1.859	2.715	12.5	21.0
2 11	6 19.39	+15 30.3	1.949	2.717	15.5	21.2

438067 2004 RN_{72} 1 2.0 57°.07 1°.9/ 1.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.50	+26 17.1	1.233	2.104	16.5	20.9
12 13	7 9.76	+26 38.3	1.197	2.128	11.5	20.6
12 23	6 59.09	+26 56.9	1.184	2.153	6.0	20.4
1 2	6 47.01	+27 8.3	1.196	2.178	1.9	20.2
1 12	6 35.43	+27 10.0	1.235	2.203	6.0	20.5
1 22	6 25.99	+27 2.7	1.300	2.229	11.0	20.9
2 1	6 19.81	+26 49.3	1.388	2.254	15.3	21.2
2 11	6 17.32	+26 32.7	1.495	2.279	18.7	21.5

182560 2001 TE_{129} 1 2.0 106°.01 0°.2/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.36	+21 47.1	1.931	2.784	12.2	21.2
12 13	7 6.25	+21 56.8	1.874	2.798	8.5	21.0
12 23	6 57.15	+22 8.6	1.844	2.812	4.4	20.8
1 2	6 47.01	+22 20.2	1.842	2.826	0.2	20.4
1 12	6 36.99	+22 29.9	1.871	2.839	4.3	20.8
1 22	6 28.21	+22 37.1	1.928	2.852	8.3	21.1
2 1	6 21.52	+22 41.9	2.011	2.865	11.8	21.3
2 11	6 17.47	+22 45.0	2.116	2.877	14.6	21.5

502606 2015 CE_{15} 1 2.0 251°.39 2°.0/ 1.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.66	+28 18.4	2.423	3.274	10.1	20.9
12 13	7 4.35	+28 48.6	2.345	3.266	7.2	20.7
12 23	6 56.22	+29 16.8	2.293	3.258	4.0	20.5
1 2	6 47.01	+29 39.6	2.271	3.250	2.0	20.4
1 12	6 37.70	+29 55.0	2.280	3.241	4.3	20.5
1 22	6 29.25	+30 2.3	2.317	3.233	7.6	20.7
2 1	6 22.51	+30 2.1	2.382	3.224	10.6	20.9
2 11	6 18.07	+29 56.2	2.469	3.216	13.1	21.1

77878 2001 SE_{62} 1 2.0 269°.19 6°.9/31.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.17	+43 35.7	2.374	3.197	11.3	18.0
12 13	7 7.85	+44 36.6	2.309	3.193	9.2	17.8
12 23	6 58.14	+45 24.7	2.268	3.189	7.4	17.7
1 2	6 47.01	+45 54.3	2.256	3.185	6.9	17.7
1 12	6 35.78	+46 2.3	2.271	3.180	8.0	17.8
1 22	6 25.76	+45 49.2	2.313	3.176	10.0	17.9
2 1	6 18.04	+45 18.6	2.379	3.172	12.2	18.0
2 11	6 13.29	+44 35.7	2.466	3.168	14.2	18.2

150341 1999 XD_{61} 1 2.0 26°.49 3°.9/ 2.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.24	+16 34.4	1.060	1.936	18.2	19.0
12 13	7 7.15	+15 57.3	1.012	1.943	13.1	18.7
12 23	6 57.93	+15 30.3	0.984	1.950	7.6	18.5
1 2	6 47.01	+15 14.2	0.980	1.959	3.9	18.3
1 12	6 36.32	+15 8.9	1.001	1.968	7.2	18.5
1 22	6 27.60	+15 13.1	1.045	1.979	12.4	18.8
2 1	6 22.12	+15 25.0	1.111	1.990	17.2	19.1
2 11	6 20.47	+15 42.0	1.194	2.002	21.1	19.4

244 Sita 1 2.0 70°.12 2°.4/ 2.4 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 16.35	+17 54.3	1.197	2.064	17.2	14.8
12 13	7 9.03	+17 46.9	1.152	2.080	12.2	14.5
12 23	6 58.78	+17 47.9	1.128	2.096	6.7	14.3
1 2	6 47.02	+17 55.4	1.130	2.112	2.4	14.1
1 12	6 35.56	+18 7.5	1.159	2.128	6.2	14.3
1 22	6 26.06	+18 22.2	1.213	2.144	11.3	14.7
2 1	6 19.68	+18 38.6	1.289	2.160	15.9	15.0
2 11	6 16.97	+18 55.7	1.385	2.176	19.6	15.3

413534 2005 SC_{104} 1 2.0 199°.00 11°.3/30.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 24.10	+52 42.0	1.919	2.712	14.8	20.3
12 13	7 15.11	+54 12.4	1.867	2.712	12.9	20.2
12 23	7 2.26	+55 20.1	1.838	2.711	11.6	20.1
1 2	6 47.03	+55 55.6	1.833	2.711	11.4	20.1
1 12	6 31.70	+55 54.3	1.852	2.711	12.3	20.1
1 22	6 18.55	+55 18.8	1.894	2.711	13.9	20.2
2 1	6 9.23	+54 16.6	1.957	2.710	15.8	20.4
2 11	6 4.49	+52 57.4	2.038	2.710	17.7	20.5

734 Benda 1 2.0 25°.33 3°.0/ 1.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.53	+30 47.4	2.000	2.857	11.7	14.4
12 13	7 5.14	+31 13.4	1.939	2.861	8.4	14.2
12 23	6 56.65	+31 34.3	1.903	2.866	4.9	14.0
1 2	6 47.01	+31 46.4	1.895	2.870	3.0	13.9
1 12	6 37.42	+31 47.8	1.916	2.876	5.2	14.0
1 22	6 29.04	+31 38.6	1.965	2.881	8.7	14.3
2 1	6 22.79	+31 20.8	2.039	2.887	11.9	14.5
2 11	6 19.25	+30 57.3	2.135	2.893	14.6	14.7

148679 2001 SB_{215} 1 2.0 2°.80 10°.4/ 4.6 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 6.28	+ 0 45.8	1.233	2.069	18.8	18.6
12 13	7 2.05	+ 0 9.0	1.177	2.067	15.5	18.4
12 23	6 55.27	+ 0 1.0	1.140	2.067	12.3	18.2
1 2	6 47.01	+ 0 25.7	1.125	2.068	10.5	18.1
1 12	6 38.70	+ 1 22.3	1.133	2.071	11.1	18.1
1 22	6 31.78	+ 2 45.0	1.164	2.075	13.8	18.3
2 1	6 27.38	+ 4 25.0	1.217	2.081	17.1	18.5
2 11	6 26.19	+ 6 12.7	1.287	2.088	20.3	18.8

28509 Feddersen 1 2.0 234°.55 1°.6/ 1.8 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.05	+25 45.5	1.474	2.338	14.7	19.0
12 13	7 8.89	+26 9.1	1.406	2.335	10.4	18.7
12 23	6 58.83	+26 32.2	1.362	2.331	5.5	18.5
1 2	6 47.02	+26 50.1	1.345	2.327	1.6	18.2
1 12	6 35.13	+26 59.6	1.356	2.323	5.7	18.4
1 22	6 24.78	+27 0.1	1.393	2.319	10.7	18.7
2 1	6 17.27	+26 53.4	1.454	2.314	15.0	19.0
2 11	6 13.33	+26 42.3	1.535	2.310	18.7	19.2

51081 2000 GB_{168} 1 2.0 63°.26 5°.0/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 8.79	+ 7 54.0	2.064	2.892	12.6	18.5
12 13	7 2.93	+ 7 37.6	2.007	2.904	9.6	18.4
12 23	6 55.41	+ 7 34.1	1.974	2.916	6.7	18.2
1 2	6 47.01	+ 7 44.3	1.968	2.928	5.1	18.1
1 12	6 38.68	+ 8 7.1	1.991	2.940	6.1	18.2
1 22	6 31.33	+ 8 40.3	2.043	2.953	8.7	18.4
2 1	6 25.69	+ 9 21.1	2.119	2.965	11.6	18.6
2 11	6 22.27	+10 6.3	2.218	2.977	14.1	18.8

304864 2007 RW_{98} 1 2.0 11°.89 0°.8/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.67	+22 31.1	1.219	2.097	16.2	19.8
12 13	7 6.06	+23 11.6	1.164	2.099	11.3	19.5
12 23	6 57.43	+23 57.1	1.131	2.102	5.9	19.2
1 2	6 47.02	+24 42.2	1.123	2.106	0.8	18.9
1 12	6 36.60	+25 21.7	1.141	2.111	6.0	19.3
1 22	6 27.89	+25 52.9	1.184	2.117	11.3	19.6
2 1	6 22.20	+26 15.5	1.249	2.124	16.0	19.9
2 11	6 20.25	+26 30.6	1.333	2.132	19.8	20.2

51806 2001 NN_{18} 1 2.0 143°.26 4°.1/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 8.41	+ 9 5.4	2.501	3.325	10.8	19.7
12 13	7 2.49	+ 8 51.2	2.434	3.330	8.2	19.5
12 23	6 55.16	+ 8 46.9	2.392	3.336	5.6	19.4
1 2	6 47.03	+ 8 53.0	2.379	3.341	4.1	19.3
1 12	6 38.92	+ 9 8.8	2.396	3.346	5.1	19.3
1 22	6 31.59	+ 9 32.9	2.442	3.350	7.6	19.5
2 1	6 25.69	+10 3.4	2.515	3.355	10.2	19.7
2 11	6 21.70	+10 37.9	2.611	3.359	12.5	19.9

13751 Joelparker 1 2.0 299°.12 4°.8/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.51	+11 58.3	1.349	2.205	16.3	18.3
12 13	7 6.46	+11 47.4	1.278	2.196	12.2	18.1
12 23	6 57.62	+11 51.5	1.230	2.188	7.8	17.8
1 2	6 47.04	+12 10.8	1.206	2.180	4.9	17.6
1 12	6 36.27	+12 43.7	1.209	2.172	7.1	17.7
1 22	6 26.85	+13 26.9	1.238	2.164	11.6	17.9
2 1	6 20.08	+14 16.4	1.289	2.157	16.1	18.2
2 11	6 16.77	+15 8.5	1.359	2.150	19.9	18.4

123038 2000 SH_{290} 1 2.0 74°.98 2°.1/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 13.70	+28 25.2	1.858	2.715	12.5	19.9
12 13	7 6.73	+28 36.8	1.794	2.718	8.8	19.6
12 23	6 57.51	+28 44.4	1.754	2.721	4.8	19.4
1 2	6 47.05	+28 45.0	1.744	2.724	2.1	19.2
1 12	6 36.65	+28 36.8	1.762	2.727	5.0	19.4
1 22	6 27.57	+28 20.6	1.808	2.730	8.9	19.7
2 1	6 20.78	+27 58.3	1.880	2.732	12.5	19.9
2 11	6 16.88	+27 32.8	1.973	2.735	15.5	20.1

113425 2002 SH_{37} 1 2.0 352°.06 5°.1/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 7.97	+ 8 30.4	1.964	2.798	12.9	19.5
12 13	7 2.55	+ 8 13.7	1.894	2.796	9.9	19.3
12 23	6 55.32	+ 8 10.2	1.848	2.794	6.9	19.1
1 2	6 47.05	+ 8 20.6	1.829	2.792	5.1	19.0
1 12	6 38.73	+ 8 44.2	1.839	2.791	6.3	19.0
1 22	6 31.34	+ 9 18.9	1.876	2.790	9.2	19.2
2 1	6 25.72	+10 1.7	1.938	2.789	12.3	19.4
2 11	6 22.43	+10 49.2	2.022	2.789	15.0	19.6

433308 2013 PR_{6} 1 2.1 297°.98 17°.9/ 8.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.54	−14 15.6	1.123	1.887	24.7	21.3
12 13	7 7.55	−14 52.2	1.062	1.881	22.3	21.1
12 23	6 58.35	−14 40.0	1.015	1.875	19.9	20.9
1 2	6 47.08	−13 29.4	0.985	1.870	18.2	20.8
1 12	6 35.54	−11 19.3	0.976	1.864	18.0	20.7
1 22	6 25.55	− 8 19.0	0.987	1.859	19.3	20.8
2 1	6 18.62	− 4 45.1	1.018	1.854	21.9	20.9
2 11	6 15.64	− 0 57.6	1.068	1.850	24.8	21.1

338093 2002 PE_{184} 1 2.1 171°.46 1°.7/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.55	+26 43.6	1.577	2.434	14.3	21.5
12 13	7 10.43	+26 57.2	1.512	2.437	10.1	21.3
12 23	6 59.55	+27 8.0	1.472	2.440	5.4	21.0
1 2	6 47.09	+27 12.1	1.460	2.442	1.7	20.8
1 12	6 34.69	+27 7.1	1.477	2.443	5.5	21.0
1 22	6 23.89	+26 53.8	1.521	2.444	10.2	21.3
2 1	6 15.89	+26 34.5	1.590	2.444	14.3	21.6
2 11	6 11.35	+26 12.5	1.680	2.444	17.7	21.8

6914 Becquerel 1 2.1 234°.54 1°.0/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.98	+25 23.5	2.215	3.064	11.0	17.7
12 13	7 6.82	+25 40.7	2.128	3.050	7.8	17.5
12 23	6 57.59	+25 57.4	2.068	3.035	4.1	17.3
1 2	6 47.09	+26 10.6	2.038	3.020	1.0	17.0
1 12	6 36.41	+26 18.3	2.038	3.004	4.3	17.2
1 22	6 26.66	+26 20.0	2.068	2.987	8.1	17.4
2 1	6 18.81	+26 16.3	2.125	2.970	11.6	17.6
2 11	6 13.50	+26 9.1	2.204	2.952	14.5	17.8

169322 2001 TJ_{144} 1 2.1 348°.17 9°.5/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 6.66	− 4 2.8	2.025	2.807	14.5	19.5
12 13	7 1.61	− 4 44.6	1.957	2.802	12.4	19.3
12 23	6 54.84	− 5 4.7	1.910	2.798	10.5	19.2
1 2	6 47.08	− 5 0.0	1.888	2.795	9.5	19.1
1 12	6 39.25	− 4 29.9	1.891	2.792	9.9	19.2
1 22	6 32.27	− 3 37.1	1.920	2.789	11.4	19.2
2 1	6 26.96	− 2 26.1	1.972	2.787	13.6	19.4
2 11	6 23.86	− 1 3.4	2.044	2.785	15.7	19.5

464532 2016 CW_{17} 1 2.1 100°.87 1°.0/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.21	+20 39.6	1.870	2.724	12.6	20.8
12 13	7 6.21	+20 29.3	1.811	2.734	8.8	20.6
12 23	6 57.18	+20 21.6	1.777	2.744	4.6	20.3
1 2	6 47.09	+20 15.3	1.772	2.754	1.0	20.1
1 12	6 37.12	+20 9.5	1.796	2.764	4.4	20.4
1 22	6 28.41	+20 4.2	1.849	2.774	8.5	20.6
2 1	6 21.82	+19 59.7	1.927	2.783	12.1	20.9
2 11	6 17.90	+19 56.2	2.028	2.792	15.1	21.1

239321 2007 RK_{38} 1 2.1 157°.86 0°.3/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.01	+21 9.9	1.926	2.776	12.4	21.7
12 13	7 7.52	+21 27.3	1.861	2.783	8.7	21.5
12 23	6 57.91	+21 47.7	1.822	2.789	4.5	21.2
1 2	6 47.10	+22 8.3	1.812	2.795	0.3	20.9
1 12	6 36.30	+22 27.0	1.832	2.800	4.4	21.2
1 22	6 26.70	+22 42.6	1.881	2.804	8.5	21.5
2 1	6 19.25	+22 55.0	1.957	2.808	12.2	21.7
2 11	6 14.53	+23 4.8	2.055	2.811	15.1	21.9

444195 2005 SQ_{90} 1 2.1 155°.77 1°.4/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.88	+25 41.4	1.740	2.593	13.4	21.9
12 13	7 9.75	+26 7.0	1.678	2.602	9.4	21.7
12 23	6 59.13	+26 31.4	1.642	2.609	4.9	21.5
1 2	6 47.11	+26 50.6	1.634	2.616	1.4	21.2
1 12	6 35.16	+27 1.8	1.655	2.621	5.1	21.5
1 22	6 24.64	+27 4.6	1.706	2.626	9.4	21.8
2 1	6 16.67	+27 0.8	1.782	2.631	13.2	22.0
2 11	6 11.85	+26 52.6	1.878	2.634	16.4	22.3

347103 2010 HX_{79} 1 2.1 229°.20 2°.4/ 1.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 10.53	+30 14.8	2.781	3.626	9.2	21.0
12 13	7 4.14	+30 49.6	2.700	3.618	6.5	20.8
12 23	6 56.11	+31 21.3	2.647	3.609	3.9	20.7
1 2	6 47.10	+31 46.9	2.624	3.599	2.4	20.5
1 12	6 37.97	+32 4.3	2.633	3.590	4.2	20.7
1 22	6 29.60	+32 12.7	2.671	3.580	7.0	20.8
2 1	6 22.74	+32 13.1	2.736	3.570	9.6	21.0
2 11	6 17.96	+32 7.0	2.825	3.559	11.9	21.1

319767 2006 UZ_{214} 1 2.1 346°.71 4°.2/ 1.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.49	+30 48.6	1.349	2.222	15.2	20.9
12 13	7 6.74	+31 29.5	1.284	2.214	11.0	20.7
12 23	6 57.88	+32 5.0	1.242	2.207	6.6	20.4
1 2	6 47.12	+32 28.8	1.226	2.201	4.2	20.2
1 12	6 36.25	+32 36.4	1.235	2.196	7.2	20.4
1 22	6 27.03	+32 27.8	1.269	2.192	11.7	20.6
2 1	6 20.86	+32 6.2	1.325	2.189	16.0	20.9
2 11	6 18.51	+31 36.3	1.400	2.187	19.6	21.1

491586 2012 SC_{15} 1 2.1 23°.75 2°.0/ 1.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.39	+25 18.6	0.968	1.856	18.4	20.9
12 13	7 7.68	+25 49.6	0.925	1.864	12.9	20.6
12 23	6 58.40	+26 21.1	0.902	1.874	6.8	20.3
1 2	6 47.13	+26 46.7	0.902	1.884	2.0	20.1
1 12	6 36.11	+27 2.0	0.926	1.896	6.9	20.4
1 22	6 27.36	+27 6.3	0.973	1.909	12.7	20.8
2 1	6 22.30	+27 1.9	1.040	1.924	17.7	21.1
2 11	6 21.50	+26 51.9	1.124	1.939	21.8	21.4

408165 2013 CH_{165} 1 2.1 287°.92 1°.8/ 1.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.79	+26 37.9	1.520	2.384	14.3	21.7
12 13	7 8.08	+26 54.3	1.443	2.372	10.2	21.4
12 23	6 58.50	+27 9.0	1.391	2.359	5.5	21.1
1 2	6 47.14	+27 17.9	1.365	2.347	1.8	20.9
1 12	6 35.57	+27 18.0	1.367	2.335	5.7	21.1
1 22	6 25.42	+27 9.2	1.396	2.322	10.6	21.3
2 1	6 18.00	+26 53.6	1.449	2.310	15.0	21.6
2 11	6 14.09	+26 34.1	1.521	2.298	18.7	21.8

496417 2014 BJ_{55} 1 2.1 116°.67 1°.9/ 2.7 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 7.74	+14 59.3	2.686	3.525	9.7	21.4
12 13	7 2.03	+15 16.3	2.618	3.531	6.9	21.2
12 23	6 54.96	+15 39.7	2.578	3.538	4.0	21.1
1 2	6 47.12	+16 8.3	2.567	3.545	1.9	20.9
1 12	6 39.28	+16 40.4	2.587	3.551	3.6	21.1
1 22	6 32.16	+17 14.4	2.637	3.558	6.5	21.3
2 1	6 26.40	+17 48.9	2.715	3.564	9.2	21.4
2 11	6 22.45	+18 22.6	2.816	3.570	11.5	21.6

269106 2007 HP_{97} 1 2.1 301°.47 3°.5/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.37	+14 39.6	1.824	2.673	13.0	20.6
12 13	7 4.50	+14 12.9	1.740	2.657	9.6	20.4
12 23	6 56.48	+13 53.7	1.681	2.641	5.9	20.1
1 2	6 47.14	+13 42.6	1.649	2.625	3.5	19.9
1 12	6 37.62	+13 39.6	1.646	2.609	5.6	20.0
1 22	6 29.08	+13 44.3	1.671	2.593	9.5	20.2
2 1	6 22.53	+13 55.4	1.720	2.577	13.2	20.4
2 11	6 18.65	+14 11.3	1.791	2.562	16.5	20.6

186137 2001 TZ_{204} 1 2.1 34°.21 2°.1/ 1.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.10	+25 42.4	1.640	2.503	13.5	19.8
12 13	7 6.63	+26 39.3	1.579	2.507	9.5	19.6
12 23	6 57.64	+27 37.1	1.543	2.511	5.1	19.4
1 2	6 47.14	+28 30.0	1.535	2.515	2.1	19.2
1 12	6 36.58	+29 13.4	1.555	2.520	5.5	19.4
1 22	6 27.36	+29 45.2	1.602	2.524	9.8	19.7
2 1	6 20.62	+30 5.7	1.674	2.529	13.7	19.9
2 11	6 17.05	+30 17.1	1.767	2.534	16.8	20.2

216833 2006 VL_{150} 1 2.1 133°.56 1°.0/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.46	+19 59.4	1.933	2.783	12.3	20.8
12 13	7 6.39	+19 58.8	1.870	2.792	8.7	20.6
12 23	6 57.32	+20 1.6	1.833	2.800	4.6	20.4
1 2	6 47.15	+20 6.2	1.825	2.808	1.0	20.1
1 12	6 37.06	+20 11.5	1.847	2.815	4.4	20.4
1 22	6 28.15	+20 16.5	1.898	2.822	8.4	20.6
2 1	6 21.31	+20 21.4	1.975	2.829	11.9	20.9
2 11	6 17.09	+20 26.2	2.074	2.836	14.9	21.1

34740 2001 QJ_{77} 1 2.1 68°.51 2°.0/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.15	+17 28.9	1.720	2.574	13.4	18.5
12 13	7 5.60	+17 26.3	1.664	2.586	9.5	18.3
12 23	6 56.94	+17 30.3	1.632	2.598	5.3	18.1
1 2	6 47.15	+17 39.4	1.629	2.609	2.0	17.9
1 12	6 37.47	+17 52.3	1.654	2.621	4.9	18.1
1 22	6 29.08	+18 7.5	1.707	2.633	9.0	18.4
2 1	6 22.89	+18 24.0	1.785	2.645	12.7	18.6
2 11	6 19.45	+18 40.9	1.884	2.657	15.8	18.9

354173 2002 CG_{293} 1 2.1 317°.51 0°.8/ 2.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 12.50	+20 42.8	1.336	2.206	15.5	21.3
12 13	7 6.65	+20 48.7	1.262	2.193	11.0	21.0
12 23	6 57.84	+21 0.0	1.212	2.181	5.8	20.7
1 2	6 47.16	+21 13.9	1.186	2.169	0.8	20.3
1 12	6 36.23	+21 28.1	1.188	2.158	5.7	20.6
1 22	6 26.74	+21 40.8	1.214	2.147	11.2	20.9
2 1	6 20.07	+21 51.7	1.264	2.137	16.0	21.1
2 11	6 17.02	+22 1.2	1.332	2.127	20.0	21.4

322823 2001 SQ_{222} 1 2.1 29°.51 3°.8/ 1.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.72	+30 20.2	1.403	2.273	15.0	20.0
12 13	7 7.28	+31 0.1	1.354	2.282	10.7	19.7
12 23	6 58.00	+31 34.2	1.328	2.293	6.3	19.5
1 2	6 47.16	+31 56.8	1.328	2.304	3.8	19.4
1 12	6 36.48	+32 4.4	1.355	2.316	6.6	19.6
1 22	6 27.57	+31 57.6	1.407	2.329	10.9	19.9
2 1	6 21.61	+31 39.4	1.482	2.342	14.8	20.1
2 11	6 19.18	+31 14.2	1.577	2.356	18.1	20.4

363375 2002 TA_{308} 1 2.1 303°.91 5°.4/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.59	+ 8 54.7	1.639	2.479	14.7	20.7
12 13	7 4.76	+ 8 45.8	1.565	2.471	11.2	20.4
12 23	6 56.65	+ 8 52.5	1.515	2.464	7.7	20.2
1 2	6 47.16	+ 9 15.7	1.490	2.457	5.5	20.1
1 12	6 37.51	+ 9 53.9	1.494	2.450	6.9	20.1
1 22	6 28.96	+10 43.8	1.524	2.443	10.5	20.3
2 1	6 22.56	+11 41.5	1.578	2.436	14.2	20.5
2 11	6 19.00	+12 42.6	1.653	2.430	17.5	20.7

407944 2012 CJ_{51} 1 2.1 347°.03 0°.3/ 2.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.15	+23 38.8	1.308	2.183	15.4	20.4
12 13	7 5.67	+23 38.4	1.241	2.175	10.9	20.1
12 23	6 57.29	+23 39.1	1.197	2.168	5.7	19.8
1 2	6 47.16	+23 38.2	1.178	2.161	0.3	19.4
1 12	6 36.96	+23 33.9	1.186	2.156	5.7	19.8
1 22	6 28.31	+23 26.1	1.218	2.152	11.0	20.1
2 1	6 22.52	+23 15.9	1.273	2.149	15.7	20.3
2 11	6 20.31	+23 4.7	1.347	2.147	19.6	20.6

379952 2012 PV_{14} 1 2.1 185°.19 1°.0/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.13	+26 25.8	2.589	3.437	9.7	21.1
12 13	7 4.50	+26 32.0	2.515	3.436	6.8	20.9
12 23	6 56.28	+26 36.4	2.469	3.436	3.6	20.7
1 2	6 47.17	+26 37.1	2.453	3.435	1.0	20.5
1 12	6 38.06	+26 32.9	2.469	3.434	3.7	20.7
1 22	6 29.83	+26 24.0	2.514	3.433	6.9	20.9
2 1	6 23.20	+26 11.3	2.587	3.431	9.8	21.1
2 11	6 18.68	+25 56.1	2.683	3.430	12.2	21.3

89313 2001 VH_{37} 1 2.1 99°.44 2°.9/ 2.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.82	+16 17.0	1.542	2.394	14.8	19.7
12 13	7 8.24	+15 58.6	1.491	2.410	10.6	19.4
12 23	6 58.31	+15 47.9	1.464	2.427	6.1	19.2
1 2	6 47.18	+15 44.5	1.464	2.443	2.9	19.1
1 12	6 36.28	+15 47.5	1.493	2.459	5.6	19.3
1 22	6 26.93	+15 55.6	1.550	2.474	9.9	19.6
2 1	6 20.10	+16 7.8	1.631	2.489	13.8	19.8
2 11	6 16.34	+16 22.8	1.732	2.504	17.0	20.1

321011 2008 KX_{33} 1 2.1 228°.95 0°.3/ 2.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.47	+19 44.6	2.336	3.180	10.7	21.2
12 13	7 5.71	+20 25.8	2.249	3.168	7.6	21.0
12 23	6 57.04	+21 12.2	2.189	3.156	4.0	20.8
1 2	6 47.18	+22 0.9	2.160	3.143	0.3	20.4
1 12	6 37.09	+22 48.7	2.162	3.129	3.9	20.7
1 22	6 27.76	+23 33.2	2.194	3.115	7.6	20.9
2 1	6 20.09	+24 13.0	2.255	3.101	11.0	21.1
2 11	6 14.73	+24 48.0	2.338	3.085	13.8	21.3

473444 2015 XT_{2} 1 2.1 151°.28 1°.0/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.22	+23 24.9	1.720	2.576	13.3	20.8
12 13	7 7.99	+24 8.9	1.656	2.581	9.3	20.6
12 23	6 58.31	+24 55.3	1.618	2.586	4.8	20.3
1 2	6 47.19	+25 39.4	1.607	2.590	1.0	20.1
1 12	6 36.02	+26 17.3	1.627	2.594	5.0	20.3
1 22	6 26.15	+26 46.9	1.675	2.597	9.4	20.6
2 1	6 18.69	+27 8.4	1.747	2.601	13.3	20.9
2 11	6 14.31	+27 23.1	1.841	2.603	16.5	21.1

231122 2005 SY_{214} 1 2.1 66°.85 4°.4/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.58	+14 45.0	1.249	2.108	17.1	19.2
12 13	7 8.98	+14 3.4	1.209	2.130	12.4	19.0
12 23	6 58.73	+13 32.8	1.190	2.151	7.5	18.8
1 2	6 47.20	+13 14.4	1.198	2.173	4.4	18.7
1 12	6 36.08	+13 7.8	1.232	2.195	6.9	18.9
1 22	6 26.87	+13 11.8	1.291	2.217	11.4	19.2
2 1	6 20.62	+13 24.3	1.374	2.238	15.5	19.5
2 11	6 17.79	+13 42.6	1.476	2.260	18.9	19.8

458745 2011 QY_{37} 1 2.1 12°.86 10°.3/ 9.1 16 C

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	6 37.06	− 4 38.2	0.300	1.231	31.1	17.7
12 13	6 44.05	− 1 33.8	0.309	1.257	24.8	17.6
12 23	6 46.74	+ 2 23.2	0.328	1.291	17.8	17.6
1 2	6 47.11	+ 6 45.3	0.360	1.333	11.9	17.6
1 12	6 47.47	+10 59.5	0.408	1.381	10.6	17.9
1 22	6 49.46	+14 41.1	0.471	1.434	14.0	18.4
2 1	6 54.00	+17 38.7	0.551	1.491	18.6	19.0
2 11	7 1.37	+19 51.5	0.646	1.551	22.6	19.6

98376 2000 TN_{26} 1 2.1 219°.17 2°.2/ 1.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.45	+27 26.7	1.926	2.777	12.3	20.2
12 13	7 8.86	+28 5.8	1.846	2.768	8.8	19.9
12 23	6 58.80	+28 43.4	1.793	2.759	4.8	19.7
1 2	6 47.20	+29 14.8	1.769	2.749	2.2	19.5
1 12	6 35.40	+29 36.6	1.775	2.738	5.2	19.7
1 22	6 24.72	+29 47.6	1.810	2.726	9.3	19.9
2 1	6 16.33	+29 49.2	1.870	2.714	13.0	20.1
2 11	6 10.96	+29 43.8	1.952	2.701	16.1	20.3

460820 2014 WG_{58} 1 2.1 28°.44 2°.0/ 1.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.39	+26 39.0	1.806	2.666	12.6	20.9
12 13	7 5.96	+27 15.1	1.742	2.669	8.9	20.6
12 23	6 57.24	+27 50.2	1.704	2.671	4.8	20.4
1 2	6 47.19	+28 20.2	1.693	2.674	2.0	20.2
1 12	6 37.12	+28 41.8	1.712	2.677	5.1	20.4
1 22	6 28.29	+28 54.1	1.758	2.680	9.1	20.7
2 1	6 21.72	+28 58.0	1.829	2.683	12.7	20.9
2 11	6 18.06	+28 55.6	1.921	2.686	15.8	21.1

94853 2001 XE_{210} 1 2.1 25°.43 2°.7/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.30	+15 19.6	1.239	2.106	16.7	19.1
12 13	7 6.39	+15 42.4	1.184	2.111	12.0	18.8
12 23	6 57.63	+16 18.6	1.150	2.116	6.8	18.5
1 2	6 47.20	+17 5.3	1.142	2.122	2.7	18.3
1 12	6 36.77	+17 58.1	1.160	2.129	6.1	18.5
1 22	6 27.95	+18 52.3	1.203	2.136	11.2	18.8
2 1	6 22.01	+19 44.5	1.269	2.144	15.8	19.1
2 11	6 19.62	+20 32.5	1.354	2.152	19.6	19.4

480101 2015 FU_{36} 1 2.1 105°.87 8°.8/ 2.9 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 32.93	+43 8.0	1.140	1.982	19.6	21.5
12 13	7 21.34	+43 4.3	1.090	1.993	15.3	21.2
12 23	7 5.31	+42 31.9	1.061	2.003	11.1	21.0
1 2	6 47.25	+41 22.2	1.056	2.014	8.9	20.9
1 12	6 30.26	+39 36.4	1.078	2.023	10.5	21.1
1 22	6 16.84	+37 26.3	1.124	2.033	14.3	21.3
2 1	6 8.32	+35 7.3	1.194	2.042	18.4	21.6
2 11	6 4.93	+32 52.3	1.282	2.051	22.0	21.9

497829 2006 UJ_{19} 1 2.1 237°.04 3°.7/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.47	+13 26.9	1.970	2.810	12.6	21.2
12 13	7 5.81	+12 59.9	1.889	2.800	9.3	20.9
12 23	6 57.12	+12 40.8	1.833	2.789	5.9	20.7
1 2	6 47.20	+12 30.2	1.805	2.778	3.7	20.5
1 12	6 37.17	+12 28.2	1.807	2.766	5.6	20.6
1 22	6 28.09	+12 34.1	1.838	2.755	9.1	20.8
2 1	6 20.93	+12 46.7	1.894	2.742	12.6	21.0
2 11	6 16.30	+13 4.4	1.972	2.730	15.6	21.2

367948 2012 DH_{28} 1 2.1 157°.62 1°.4/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.33	+26 3.4	2.005	2.860	11.8	21.2
12 13	7 6.41	+26 27.1	1.939	2.863	8.3	21.0
12 23	6 57.41	+26 49.7	1.898	2.865	4.4	20.8
1 2	6 47.21	+27 7.9	1.886	2.868	1.4	20.6
1 12	6 37.00	+27 19.5	1.904	2.870	4.5	20.8
1 22	6 27.95	+27 23.9	1.951	2.872	8.4	21.0
2 1	6 20.97	+27 22.1	2.024	2.874	11.9	21.2
2 11	6 16.68	+27 15.9	2.118	2.875	14.7	21.4

111299 2001 XP_{56} 1 2.1 17°.05 2°.0/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.65	+18 21.1	1.650	2.509	13.7	19.7
12 13	7 5.42	+18 4.3	1.586	2.511	9.7	19.4
12 23	6 56.94	+17 52.9	1.547	2.513	5.4	19.2
1 2	6 47.21	+17 46.2	1.534	2.515	2.0	19.0
1 12	6 37.52	+17 43.5	1.550	2.518	5.1	19.2
1 22	6 29.10	+17 44.3	1.594	2.521	9.4	19.4
2 1	6 22.96	+17 47.9	1.661	2.525	13.3	19.7
2 11	6 19.69	+17 54.0	1.750	2.528	16.6	19.9

419034 2009 QM_{58} 1 2.1 141°.24 3°.4/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.98	+13 25.7	1.944	2.787	12.6	21.6
12 13	7 4.69	+13 14.0	1.877	2.789	9.3	21.4
12 23	6 56.49	+13 11.3	1.834	2.791	5.7	21.2
1 2	6 47.21	+13 17.6	1.819	2.794	3.4	21.1
1 12	6 37.93	+13 31.8	1.834	2.795	5.2	21.2
1 22	6 29.67	+13 52.5	1.877	2.797	8.7	21.4
2 1	6 23.32	+14 17.7	1.945	2.799	12.1	21.6
2 11	6 19.44	+14 45.7	2.036	2.801	15.0	21.8

415375 2013 LT_{16} 1 2.1 124°.24 0°.1/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 13.23	+21 48.3	2.220	3.067	11.1	21.9
12 13	7 6.07	+22 16.8	2.162	3.083	7.7	21.7
12 23	6 57.13	+22 47.4	2.131	3.098	4.0	21.5
1 2	6 47.22	+23 17.4	2.130	3.113	0.1	21.1
1 12	6 37.38	+23 44.5	2.160	3.127	3.9	21.5
1 22	6 28.58	+24 7.3	2.219	3.141	7.5	21.8
2 1	6 21.64	+24 25.7	2.306	3.154	10.7	22.0
2 11	6 17.07	+24 40.2	2.416	3.167	13.3	22.2

203102 2000 RD_{102} 1 2.1 54°.78 3°.0/ 2.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 21.14	+30 58.4	1.229	2.094	16.9	18.9
12 13	7 12.22	+30 44.4	1.195	2.123	11.9	18.6
12 23	7 0.35	+30 20.6	1.185	2.151	6.6	18.4
1 2	6 47.24	+29 44.1	1.201	2.180	3.0	18.3
1 12	6 34.93	+28 55.8	1.243	2.209	6.4	18.6
1 22	6 25.07	+28 0.3	1.312	2.239	11.1	18.9
2 1	6 18.67	+27 3.1	1.404	2.268	15.3	19.3
2 11	6 16.07	+26 8.6	1.516	2.297	18.6	19.6

245770 2006 FK_{38} 1 2.1 58°.90 6°.6/ 1.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.53	+36 5.3	1.388	2.247	15.7	20.2
12 13	7 10.93	+37 7.9	1.340	2.257	11.8	20.0
12 23	7 0.01	+37 58.3	1.314	2.267	8.1	19.8
1 2	6 47.24	+38 28.0	1.314	2.277	6.6	19.8
1 12	6 34.64	+38 32.9	1.341	2.288	8.7	19.9
1 22	6 24.09	+38 14.6	1.392	2.298	12.3	20.2
2 1	6 16.95	+37 38.9	1.466	2.309	15.9	20.4
2 11	6 13.83	+36 53.1	1.559	2.320	19.0	20.7

200031 2007 PQ_{43} 1 2.1 207°.83 2°.2/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.72	+30 2.9	2.344	3.193	10.5	20.1
12 13	7 5.80	+30 9.6	2.271	3.190	7.5	19.9
12 23	6 57.03	+30 11.4	2.224	3.188	4.3	19.7
1 2	6 47.23	+30 6.0	2.207	3.186	2.2	19.6
1 12	6 37.45	+29 52.2	2.221	3.183	4.4	19.7
1 22	6 28.70	+29 30.6	2.264	3.180	7.7	19.9
2 1	6 21.82	+29 3.1	2.333	3.177	10.7	20.1
2 11	6 17.34	+28 32.4	2.426	3.174	13.3	20.3

503579 2016 GY_{49} 1 2.1 161°.80 2°.0/ 1.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.58	+29 20.6	2.579	3.426	9.7	21.3
12 13	7 4.87	+29 41.6	2.510	3.429	6.9	21.1
12 23	6 56.51	+29 59.1	2.469	3.433	3.9	20.9
1 2	6 47.22	+30 10.6	2.458	3.436	2.0	20.8
1 12	6 37.96	+30 14.4	2.478	3.439	4.1	20.9
1 22	6 29.60	+30 10.4	2.527	3.441	7.1	21.1
2 1	6 22.90	+30 0.0	2.604	3.443	9.9	21.3
2 11	6 18.39	+29 44.9	2.703	3.445	12.2	21.5

171339 2006 KM_{2} 1 2.1 212°.02 0°.9/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.52	+20 19.5	1.873	2.724	12.7	21.3
12 13	7 7.36	+20 19.8	1.796	2.718	9.0	21.0
12 23	6 57.96	+20 23.5	1.746	2.713	4.8	20.8
1 2	6 47.24	+20 28.7	1.724	2.706	0.9	20.5
1 12	6 36.42	+20 34.0	1.731	2.700	4.6	20.7
1 22	6 26.73	+20 38.7	1.768	2.692	8.9	21.0
2 1	6 19.20	+20 42.8	1.830	2.684	12.7	21.2
2 11	6 14.46	+20 46.6	1.914	2.676	15.9	21.4

456253 2006 QE_{39} 1 2.1 165°.76 3°.4/ 3.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 7.86	+ 9 3.6	2.989	3.806	9.4	21.9
12 13	7 2.01	+ 9 4.4	2.916	3.810	7.1	21.8
12 23	6 54.95	+ 9 13.9	2.871	3.814	4.8	21.6
1 2	6 47.22	+ 9 32.0	2.855	3.818	3.4	21.5
1 12	6 39.47	+ 9 57.9	2.870	3.822	4.3	21.6
1 22	6 32.35	+10 30.0	2.916	3.824	6.5	21.7
2 1	6 26.42	+11 6.5	2.990	3.827	8.8	21.9
2 11	6 22.11	+11 45.6	3.088	3.829	10.9	22.0

101615 1999 CD_{9} 1 2.1 312°.31 7°.4/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 9.68	+ 3 22.4	1.697	2.518	15.2	19.5
12 13	7 4.08	+ 3 10.7	1.623	2.510	12.2	19.3
12 23	6 56.31	+ 3 19.4	1.571	2.502	9.2	19.1
1 2	6 47.23	+ 3 50.3	1.544	2.494	7.4	19.0
1 12	6 37.98	+ 4 42.4	1.545	2.487	8.3	19.0
1 22	6 29.74	+ 5 51.6	1.572	2.480	11.0	19.1
2 1	6 23.54	+ 7 12.4	1.623	2.473	14.3	19.3
2 11	6 20.04	+ 8 38.8	1.695	2.466	17.3	19.5

30989 1995 SZ_{43} 1 2.1 213°.45 4°.1/ 3.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 7.77	+ 8 11.0	2.840	3.656	9.8	19.4
12 13	7 2.05	+ 7 52.3	2.759	3.650	7.6	19.3
12 23	6 55.01	+ 7 42.6	2.705	3.644	5.3	19.1
1 2	6 47.23	+ 7 42.8	2.679	3.637	4.1	19.0
1 12	6 39.39	+ 7 52.5	2.684	3.630	5.0	19.1
1 22	6 32.17	+ 8 10.7	2.719	3.623	7.1	19.2
2 1	6 26.19	+ 8 36.0	2.781	3.615	9.5	19.3
2 11	6 21.90	+ 9 6.1	2.867	3.607	11.6	19.5

334639 2002 VA_{132} 1 2.1 77°.86 3°.2/ 1.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 11.95	+30 58.7	2.223	3.074	10.9	20.4
12 13	7 5.41	+31 44.8	2.160	3.079	7.8	20.2
12 23	6 56.90	+32 26.8	2.123	3.084	4.7	20.0
1 2	6 47.25	+33 0.2	2.116	3.089	3.2	19.9
1 12	6 37.58	+33 22.4	2.139	3.094	5.2	20.0
1 22	6 28.95	+33 32.7	2.190	3.100	8.3	20.2
2 1	6 22.28	+33 32.5	2.267	3.105	11.2	20.4
2 11	6 18.14	+33 24.4	2.366	3.110	13.7	20.6

492344 2014 GE_{50} 1 2.1 222°.84 0°.4/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.95	+22 57.4	2.065	2.912	11.8	22.5
12 13	7 8.37	+23 22.8	1.979	2.900	8.3	22.3
12 23	6 58.53	+23 50.1	1.919	2.887	4.3	22.0
1 2	6 47.28	+24 16.1	1.890	2.873	0.4	21.7
1 12	6 35.79	+24 38.2	1.891	2.858	4.4	22.0
1 22	6 25.27	+24 54.9	1.922	2.842	8.6	22.2
2 1	6 16.78	+25 6.4	1.979	2.825	12.3	22.4
2 11	6 11.02	+25 13.8	2.059	2.807	15.4	22.6

235008 2003 DQ_{9} 1 2.1 261°.06 4°.2/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.68	+11 59.5	1.698	2.539	14.2	20.7
12 13	7 7.09	+11 53.0	1.608	2.519	10.6	20.4
12 23	6 58.00	+11 58.7	1.543	2.499	6.8	20.1
1 2	6 47.28	+12 16.8	1.505	2.478	4.2	19.9
1 12	6 36.19	+12 46.1	1.495	2.456	6.3	20.0
1 22	6 26.08	+13 24.2	1.514	2.434	10.4	20.2
2 1	6 18.14	+14 8.2	1.557	2.412	14.5	20.4
2 11	6 13.19	+14 55.2	1.620	2.389	18.1	20.6

423887 2006 SN_{29} 1 2.1 245°.73 2°.8/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.27	+32 33.8	2.371	3.216	10.5	21.0
12 13	7 6.17	+32 33.0	2.298	3.214	7.6	20.8
12 23	6 57.22	+32 25.2	2.252	3.212	4.6	20.6
1 2	6 47.28	+32 8.1	2.235	3.209	2.8	20.5
1 12	6 37.40	+31 40.8	2.248	3.207	4.7	20.6
1 22	6 28.61	+31 4.7	2.291	3.205	7.8	20.8
2 1	6 21.73	+30 22.3	2.361	3.202	10.7	21.0
2 11	6 17.29	+29 36.8	2.454	3.200	13.2	21.1

445947 2013 AR_{70} 1 2.1 52°.86 1°.7/ 2.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.85	+16 57.2	1.303	2.168	16.2	20.8
12 13	7 7.36	+17 32.2	1.252	2.180	11.5	20.6
12 23	6 58.10	+18 18.2	1.224	2.191	6.2	20.3
1 2	6 47.28	+19 11.0	1.221	2.203	1.7	20.1
1 12	6 36.55	+20 5.6	1.246	2.216	5.6	20.4
1 22	6 27.46	+20 57.9	1.297	2.229	10.7	20.7
2 1	6 21.21	+21 45.4	1.371	2.242	15.1	21.0
2 11	6 18.42	+22 26.9	1.465	2.255	18.7	21.3

355340 2007 TH_{110} 1 2.1 210°.53 0°.8/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.25	+20 13.8	1.899	2.749	12.5	21.9
12 13	7 7.18	+20 23.0	1.822	2.744	8.9	21.7
12 23	6 57.90	+20 36.1	1.772	2.739	4.7	21.4
1 2	6 47.29	+20 50.8	1.750	2.733	0.8	21.1
1 12	6 36.58	+21 5.3	1.758	2.726	4.5	21.4
1 22	6 26.95	+21 18.4	1.795	2.719	8.8	21.6
2 1	6 19.44	+21 29.9	1.858	2.711	12.6	21.9
2 11	6 14.70	+21 39.9	1.942	2.703	15.8	22.1

273193 2006 HE_{121} 1 2.1 79°.41 2°.3/ 1.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.68	+27 57.6	2.193	3.045	11.0	20.9
12 13	7 5.79	+28 45.5	2.143	3.065	7.7	20.7
12 23	6 57.04	+29 30.9	2.120	3.085	4.3	20.6
1 2	6 47.29	+30 9.8	2.127	3.105	2.3	20.5
1 12	6 37.63	+30 39.4	2.164	3.125	4.6	20.7
1 22	6 29.09	+30 58.9	2.230	3.145	7.9	20.9
2 1	6 22.49	+31 9.2	2.322	3.164	10.8	21.1
2 11	6 18.36	+31 12.2	2.437	3.183	13.3	21.3

12402 1995 PK 1 2.1 78°.47 2°.1/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.74	+16 38.6	1.301	2.162	16.4	17.4
12 13	7 8.61	+16 58.8	1.252	2.177	11.7	17.2
12 23	6 58.71	+17 29.5	1.226	2.192	6.4	16.9
1 2	6 47.30	+18 7.4	1.226	2.207	2.2	16.7
1 12	6 36.07	+18 48.5	1.253	2.222	5.8	17.0
1 22	6 26.57	+19 29.3	1.307	2.237	10.8	17.3
2 1	6 19.97	+20 7.9	1.384	2.252	15.2	17.6
2 11	6 16.86	+20 43.1	1.480	2.266	18.7	17.9

455275 2001 XN_{150} 1 2.1 349°.30 3°.0/ 1.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.84	+25 25.7	1.362	2.237	15.0	20.1
12 13	7 5.65	+26 51.5	1.296	2.229	10.6	19.8
12 23	6 57.45	+28 21.9	1.253	2.222	5.8	19.5
1 2	6 47.30	+29 48.5	1.237	2.216	3.0	19.3
1 12	6 36.84	+31 3.5	1.247	2.211	6.7	19.5
1 22	6 27.76	+32 2.1	1.283	2.207	11.5	19.8
2 1	6 21.53	+32 43.5	1.341	2.204	15.9	20.0
2 11	6 19.00	+33 10.1	1.418	2.203	19.5	20.3

270970 2002 VS_{104} 1 2.1 127°.24 3°.3/ 1.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.12	+29 54.4	1.665	2.517	13.9	20.5
12 13	7 11.45	+30 38.1	1.613	2.534	9.9	20.3
12 23	7 0.12	+31 16.4	1.587	2.550	5.7	20.1
1 2	6 47.33	+31 43.5	1.588	2.565	3.3	20.0
1 12	6 34.73	+31 56.0	1.619	2.579	6.0	20.2
1 22	6 23.81	+31 54.4	1.678	2.592	10.0	20.4
2 1	6 15.70	+31 41.8	1.762	2.605	13.7	20.7
2 11	6 10.99	+31 22.4	1.867	2.617	16.7	20.9

3834 Zappafrank 1 2.1 254°.15 5°.4/31.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.00	+35 7.8	1.972	2.817	12.4	18.0
12 13	7 9.58	+36 22.1	1.890	2.800	9.3	17.7
12 23	6 59.38	+37 30.5	1.834	2.784	6.5	17.5
1 2	6 47.33	+38 25.5	1.807	2.767	5.4	17.4
1 12	6 34.86	+39 1.6	1.808	2.749	7.3	17.5
1 22	6 23.50	+39 17.5	1.838	2.731	10.6	17.7
2 1	6 14.57	+39 15.4	1.892	2.713	13.8	17.8
2 11	6 8.94	+39 0.1	1.966	2.694	16.6	18.0

462939 2011 BY_{104} 1 2.1 287°.31 1°.2/ 2.3 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.35	+19 27.7	1.921	2.775	12.3	21.9
12 13	7 5.09	+19 25.8	1.849	2.772	8.7	21.6
12 23	6 56.79	+19 27.9	1.802	2.769	4.7	21.4
1 2	6 47.31	+19 32.8	1.784	2.766	1.2	21.1
1 12	6 37.78	+19 39.2	1.794	2.763	4.4	21.4
1 22	6 29.32	+19 46.4	1.834	2.760	8.5	21.6
2 1	6 22.84	+19 53.7	1.898	2.757	12.1	21.8
2 11	6 18.96	+20 1.3	1.985	2.754	15.2	22.0

368007 2012 FL_{58} 1 2.1 214°.94 0°.9/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.24	+20 23.0	1.955	2.808	12.1	21.1
12 13	7 5.69	+20 23.8	1.883	2.805	8.6	20.9
12 23	6 57.10	+20 27.9	1.836	2.803	4.5	20.7
1 2	6 47.33	+20 33.6	1.818	2.801	0.9	20.4
1 12	6 37.53	+20 39.6	1.830	2.798	4.3	20.6
1 22	6 28.79	+20 45.1	1.870	2.795	8.4	20.9
2 1	6 22.05	+20 50.0	1.936	2.792	12.0	21.1
2 11	6 17.91	+20 54.6	2.024	2.789	15.1	21.3

363797 2005 KN_{3} 1 2.1 258°.19 6°.4/31.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.28	+35 57.6	1.678	2.530	13.9	21.2
12 13	7 9.99	+37 27.1	1.616	2.528	10.5	21.0
12 23	6 59.64	+38 48.3	1.579	2.527	7.5	20.8
1 2	6 47.36	+39 52.2	1.569	2.526	6.5	20.8
1 12	6 34.84	+40 32.8	1.587	2.525	8.4	20.9
1 22	6 23.80	+40 49.1	1.631	2.524	11.7	21.1
2 1	6 15.67	+40 44.6	1.698	2.523	15.0	21.3
2 11	6 11.24	+40 25.4	1.784	2.522	17.8	21.5

408812 2000 UK_{38} 1 2.1 63°.77 8°.3/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.67	+ 2 15.7	1.753	2.564	15.2	20.5
12 13	7 5.11	+ 1 12.7	1.710	2.586	12.3	20.4
12 23	6 56.68	+ 0 29.1	1.689	2.607	9.7	20.3
1 2	6 47.34	+ 0 8.0	1.694	2.628	8.4	20.2
1 12	6 38.20	+ 0 9.7	1.726	2.649	9.1	20.3
1 22	6 30.29	+ 0 31.8	1.784	2.671	11.2	20.5
2 1	6 24.42	+ 1 10.1	1.865	2.692	13.7	20.7
2 11	6 21.08	+ 1 59.1	1.967	2.713	16.0	20.9

244339 2002 JH_{104} 1 2.1 194°.33 0°.5/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.20	+20 27.6	2.025	2.874	12.0	21.5
12 13	7 7.05	+20 45.6	1.951	2.872	8.4	21.3
12 23	6 57.82	+21 7.2	1.902	2.869	4.4	21.1
1 2	6 47.35	+21 30.1	1.883	2.866	0.5	20.8
1 12	6 36.79	+21 52.1	1.894	2.862	4.3	21.1
1 22	6 27.26	+22 11.6	1.935	2.858	8.3	21.3
2 1	6 19.73	+22 28.3	2.002	2.853	11.9	21.5
2 11	6 14.82	+22 42.5	2.091	2.847	14.9	21.7

403234 2008 UX_{343} 1 2.1 171°.91 2°.0/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.18	+18 34.6	1.787	2.634	13.3	21.6
12 13	7 8.48	+18 10.6	1.718	2.638	9.5	21.4
12 23	6 58.54	+17 50.4	1.676	2.640	5.3	21.2
1 2	6 47.36	+17 33.7	1.662	2.642	2.0	21.0
1 12	6 36.23	+17 20.3	1.678	2.644	5.0	21.2
1 22	6 26.38	+17 10.3	1.722	2.645	9.2	21.4
2 1	6 18.81	+17 3.9	1.792	2.645	13.0	21.6
2 11	6 14.12	+17 0.9	1.884	2.645	16.2	21.9

139434 2001 OL_{48} 1 2.1 38°.95 3°.1/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.25	+17 58.7	1.570	2.427	14.4	18.8
12 13	7 7.23	+17 0.8	1.511	2.433	10.3	18.6
12 23	6 57.91	+16 6.9	1.476	2.440	6.0	18.4
1 2	6 47.37	+15 18.7	1.469	2.447	3.1	18.2
1 12	6 37.00	+14 37.9	1.490	2.454	5.8	18.4
1 22	6 28.09	+14 5.9	1.538	2.461	10.0	18.6
2 1	6 21.63	+13 43.0	1.611	2.469	13.9	18.9
2 11	6 18.15	+13 28.5	1.704	2.477	17.1	19.1

45335 2000 AA_{83} 1 2.1 88°.56 2°.6/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 13.84	+15 40.6	1.677	2.527	13.9	19.2
12 13	7 6.82	+15 43.8	1.626	2.544	10.0	19.0
12 23	6 57.66	+15 55.6	1.599	2.562	5.7	18.8
1 2	6 47.37	+16 14.5	1.600	2.579	2.6	18.7
1 12	6 37.24	+16 38.4	1.629	2.595	5.1	18.9
1 22	6 28.46	+17 5.2	1.687	2.612	9.2	19.1
2 1	6 21.97	+17 33.2	1.770	2.628	12.9	19.4
2 11	6 18.29	+18 1.0	1.874	2.644	15.9	19.6

72930 2002 AE_{10} 1 2.1 269°.76 1°.4/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.94	+24 55.0	1.611	2.472	13.8	19.3
12 13	7 8.20	+25 24.9	1.530	2.457	9.8	19.0
12 23	6 58.69	+25 56.1	1.474	2.442	5.2	18.7
1 2	6 47.38	+26 24.0	1.445	2.427	1.4	18.4
1 12	6 35.77	+26 45.1	1.444	2.412	5.4	18.7
1 22	6 25.39	+26 57.6	1.471	2.396	10.3	18.9
2 1	6 17.57	+27 2.5	1.522	2.380	14.6	19.1
2 11	6 13.11	+27 1.8	1.593	2.364	18.2	19.3

344489 2002 QP_{71} 1 2.1 20°.20 1°.3/ 1.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.20	+24 53.8	1.115	1.994	17.3	20.8
12 13	7 8.82	+25 9.4	1.062	1.997	12.2	20.6
12 23	6 59.08	+25 25.2	1.030	2.000	6.4	20.3
1 2	6 47.39	+25 36.7	1.022	2.005	1.3	19.9
1 12	6 35.79	+25 40.6	1.040	2.010	6.4	20.3
1 22	6 26.21	+25 36.6	1.081	2.015	12.1	20.6
2 1	6 20.06	+25 27.0	1.145	2.021	17.0	20.9
2 11	6 17.98	+25 14.2	1.226	2.028	21.0	21.2

171484 1995 VZ_{3} 1 2.1 92°.58 3°.6/ 1.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.51	+32 50.1	2.423	3.269	10.3	20.5
12 13	7 5.70	+33 42.2	2.368	3.282	7.5	20.3
12 23	6 57.05	+34 28.7	2.340	3.296	4.8	20.1
1 2	6 47.37	+35 5.4	2.341	3.309	3.6	20.1
1 12	6 37.71	+35 29.8	2.372	3.322	5.2	20.2
1 22	6 29.07	+35 41.3	2.433	3.335	7.9	20.4
2 1	6 22.28	+35 41.6	2.519	3.348	10.5	20.6
2 11	6 17.90	+35 33.4	2.628	3.360	12.8	20.8

170829 2004 EL_{63} 1 2.1 234°.69 2°.0/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 8.76	+16 13.9	2.514	3.356	10.1	20.4
12 13	7 2.93	+16 10.5	2.436	3.351	7.3	20.2
12 23	6 55.58	+16 12.3	2.384	3.346	4.2	20.0
1 2	6 47.36	+16 18.8	2.362	3.340	2.0	19.8
1 12	6 39.07	+16 29.2	2.370	3.335	3.9	19.9
1 22	6 31.54	+16 42.4	2.408	3.329	7.0	20.1
2 1	6 25.46	+16 57.8	2.473	3.323	10.0	20.3
2 11	6 21.34	+17 14.2	2.561	3.317	12.5	20.5

31778 Richardschnur 1 2.1 21°.55 0°.1/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.36	+20 24.6	1.285	2.155	16.0	17.6
12 13	7 7.27	+21 13.2	1.227	2.159	11.2	17.3
12 23	6 58.22	+22 9.8	1.192	2.162	5.8	17.0
1 2	6 47.40	+23 8.8	1.183	2.166	0.1	16.6
1 12	6 36.51	+24 4.4	1.201	2.171	5.7	17.0
1 22	6 27.22	+24 52.6	1.244	2.176	11.0	17.4
2 1	6 20.86	+25 32.0	1.311	2.182	15.6	17.6
2 11	6 18.15	+26 3.0	1.396	2.188	19.4	17.9

118674 2000 KD_{78} 1 2.1 146°.72 4°.4/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.77	+ 8 47.4	2.438	3.255	11.2	21.0
12 13	7 4.90	+ 8 20.0	2.374	3.267	8.5	20.8
12 23	6 56.55	+ 8 2.5	2.336	3.278	5.9	20.7
1 2	6 47.39	+ 7 55.7	2.328	3.288	4.5	20.6
1 12	6 38.30	+ 7 59.5	2.351	3.297	5.5	20.7
1 22	6 30.07	+ 8 12.9	2.403	3.306	7.9	20.9
2 1	6 23.41	+ 8 33.9	2.482	3.315	10.5	21.0
2 11	6 18.76	+ 9 0.3	2.583	3.322	12.8	21.2

491969 2013 EF_{1} 1 2.1 244°.57 3°.4/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.29	+13 43.4	1.755	2.599	13.7	21.8
12 13	7 6.70	+13 42.1	1.674	2.588	10.1	21.5
12 23	6 57.78	+13 51.2	1.617	2.576	6.1	21.3
1 2	6 47.41	+14 10.2	1.588	2.564	3.4	21.1
1 12	6 36.81	+14 37.3	1.587	2.551	5.6	21.2
1 22	6 27.25	+15 10.4	1.615	2.538	9.7	21.4
2 1	6 19.82	+15 47.1	1.668	2.524	13.6	21.6
2 11	6 15.24	+16 25.4	1.742	2.510	17.0	21.8

388470 2007 DT_{85} 1 2.1 196°.71 3°.0/ 1.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.19	+30 31.6	1.831	2.680	13.0	21.8
12 13	7 10.86	+30 54.6	1.759	2.678	9.3	21.6
12 23	6 59.91	+31 11.9	1.712	2.674	5.4	21.3
1 2	6 47.44	+31 18.6	1.693	2.670	3.1	21.2
1 12	6 34.91	+31 12.4	1.705	2.665	5.7	21.3
1 22	6 23.80	+30 53.8	1.745	2.660	9.7	21.6
2 1	6 15.25	+30 26.1	1.811	2.653	13.4	21.8
2 11	6 9.95	+29 53.3	1.897	2.646	16.5	22.0

47610 2000 AY_{254} 1 2.1 121°.40 0°.2/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 14.77	+23 0.4	1.802	2.657	12.9	20.1
12 13	7 7.52	+23 9.0	1.742	2.666	9.0	19.8
12 23	6 58.07	+23 18.7	1.707	2.675	4.7	19.6
1 2	6 47.42	+23 26.9	1.701	2.684	0.2	19.2
1 12	6 36.87	+23 31.8	1.724	2.693	4.5	19.6
1 22	6 27.62	+23 33.2	1.776	2.701	8.8	19.9
2 1	6 20.66	+23 31.6	1.853	2.709	12.5	20.1
2 11	6 16.54	+23 28.3	1.952	2.717	15.6	20.4

405582 2005 RK_{13} 1 2.1 90°.57 0°.9/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.44	+18 33.8	1.949	2.795	12.4	21.4
12 13	7 7.03	+19 7.0	1.902	2.822	8.7	21.2
12 23	6 57.71	+19 45.3	1.882	2.848	4.6	21.0
1 2	6 47.43	+20 25.7	1.891	2.874	0.9	20.8
1 12	6 37.32	+21 5.3	1.931	2.899	4.2	21.1
1 22	6 28.45	+21 41.9	2.000	2.924	8.0	21.4
2 1	6 21.64	+22 14.4	2.096	2.949	11.4	21.7
2 11	6 17.41	+22 42.8	2.214	2.972	14.1	21.9

310711 2002 MM_{7} 1 2.1 86°.94 3°.0/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.60	+30 55.0	1.679	2.533	13.7	20.0
12 13	7 10.23	+31 5.3	1.633	2.554	9.8	19.8
12 23	6 59.43	+31 8.2	1.611	2.575	5.6	19.6
1 2	6 47.45	+31 0.1	1.618	2.595	3.0	19.5
1 12	6 35.83	+30 39.8	1.653	2.615	5.6	19.7
1 22	6 25.95	+30 9.3	1.717	2.635	9.5	20.0
2 1	6 18.79	+29 32.5	1.805	2.655	13.1	20.3
2 11	6 14.84	+28 53.1	1.915	2.674	16.0	20.5

406108 2006 VU_{10} 1 2.1 78°.09 2°.0/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.15	+17 52.4	1.684	2.537	13.7	20.8
12 13	7 7.01	+17 41.0	1.635	2.557	9.7	20.6
12 23	6 57.76	+17 35.4	1.611	2.576	5.4	20.4
1 2	6 47.44	+17 34.7	1.614	2.595	2.1	20.3
1 12	6 37.35	+17 37.7	1.647	2.614	4.9	20.5
1 22	6 28.67	+17 43.6	1.707	2.632	9.0	20.8
2 1	6 22.28	+17 51.7	1.792	2.651	12.7	21.0
2 11	6 18.71	+18 1.4	1.899	2.670	15.7	21.3

28097 1998 RZ_{63} 1 2.1 43°.63 0°.4/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.01	+20 50.0	1.860	2.718	12.4	18.7
12 13	7 4.88	+21 7.6	1.800	2.725	8.7	18.4
12 23	6 56.73	+21 28.9	1.764	2.732	4.5	18.2
1 2	6 47.44	+21 51.6	1.757	2.740	0.4	17.9
1 12	6 38.18	+22 13.2	1.779	2.748	4.3	18.2
1 22	6 30.07	+22 32.3	1.829	2.756	8.4	18.5
2 1	6 24.01	+22 48.6	1.905	2.765	12.0	18.7
2 11	6 20.58	+23 2.0	2.002	2.773	15.0	19.0

319603 2006 SD_{201} 1 2.1 8°.03 3°.0/ 1.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.84	+28 45.3	1.479	2.346	14.5	20.7
12 13	7 7.45	+29 17.6	1.418	2.347	10.3	20.5
12 23	6 58.27	+29 46.5	1.381	2.348	5.8	20.2
1 2	6 47.46	+30 6.5	1.370	2.349	3.0	20.0
1 12	6 36.66	+30 14.5	1.387	2.351	6.1	20.2
1 22	6 27.41	+30 10.3	1.429	2.354	10.6	20.5
2 1	6 20.96	+29 56.3	1.496	2.357	14.7	20.8
2 11	6 17.97	+29 36.1	1.581	2.360	18.0	21.0

381933 2010 CM_{150} 1 2.1 186°.46 4°.1/ 1.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.40	+35 30.8	2.412	3.253	10.5	21.4
12 13	7 6.43	+36 5.5	2.343	3.253	7.8	21.3
12 23	6 57.51	+36 32.6	2.301	3.252	5.3	21.1
1 2	6 47.46	+36 48.1	2.289	3.252	4.1	21.0
1 12	6 37.40	+36 49.7	2.305	3.251	5.6	21.1
1 22	6 28.39	+36 38.0	2.351	3.251	8.3	21.3
2 1	6 21.32	+36 15.1	2.423	3.250	10.9	21.5
2 11	6 16.77	+35 44.5	2.516	3.249	13.3	21.6

338961 2004 FB_{20} 1 2.1 305°.30 8°.1/ 3.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 7.52	− 0 40.8	2.168	2.960	13.3	20.8
12 13	7 2.31	− 1 18.6	2.086	2.946	11.1	20.6
12 23	6 55.40	− 1 38.7	2.027	2.931	9.1	20.5
1 2	6 47.44	− 1 38.1	1.994	2.917	8.1	20.4
1 12	6 39.34	− 1 16.2	1.988	2.903	8.6	20.4
1 22	6 31.98	− 0 34.8	2.008	2.889	10.5	20.5
2 1	6 26.16	+ 0 22.4	2.053	2.875	12.8	20.6
2 11	6 22.48	+ 1 30.6	2.119	2.862	15.2	20.8

440145 2003 UV_{177} 1 2.1 98°.55 0°.7/ 2.0 15

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.19	+23 39.1	1.345	2.207	16.0	22.1
12 13	7 11.69	+23 57.0	1.301	2.228	11.2	21.9
12 23	7 0.32	+24 15.6	1.280	2.249	5.8	21.7
1 2	6 47.50	+24 30.5	1.286	2.269	0.7	21.3
1 12	6 35.04	+24 39.3	1.321	2.289	5.6	21.8
1 22	6 24.56	+24 41.5	1.382	2.309	10.6	22.1
2 1	6 17.19	+24 39.0	1.466	2.327	14.9	22.4
2 11	6 13.47	+24 33.9	1.571	2.345	18.3	22.7

233071 2005 JY_{70} 1 2.1 128°.25 2°.8/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 8.65	+12 32.7	2.752	3.581	9.7	20.9
12 13	7 2.68	+12 29.7	2.688	3.593	7.1	20.7
12 23	6 55.41	+12 33.9	2.651	3.604	4.5	20.6
1 2	6 47.45	+12 44.8	2.644	3.615	2.8	20.5
1 12	6 39.52	+13 1.6	2.667	3.626	4.0	20.6
1 22	6 32.33	+13 23.1	2.721	3.637	6.6	20.8
2 1	6 26.46	+13 47.9	2.802	3.647	9.1	21.0
2 11	6 22.36	+14 14.6	2.908	3.656	11.3	21.1

326724 2003 FD_{77} 1 2.1 264°.98 6°.9/ 3.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.55	+ 4 14.4	2.073	2.884	13.2	20.9
12 13	7 4.51	+ 3 30.8	1.986	2.867	10.6	20.6
12 23	6 56.58	+ 3 1.4	1.924	2.849	8.2	20.5
1 2	6 47.47	+ 2 48.8	1.888	2.832	6.9	20.4
1 12	6 38.15	+ 2 54.2	1.881	2.813	7.8	20.4
1 22	6 29.62	+ 3 16.4	1.901	2.795	10.2	20.5
2 1	6 22.78	+ 3 52.7	1.945	2.776	13.1	20.6
2 11	6 18.28	+ 4 39.1	2.011	2.757	15.8	20.8

415511 2014 PG_{56} 1 2.1 130°.90 3°.8/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.85	+10 58.0	2.020	2.851	12.7	21.7
12 13	7 5.94	+11 1.5	1.960	2.864	9.4	21.5
12 23	6 57.21	+11 16.2	1.924	2.877	6.0	21.3
1 2	6 47.48	+11 41.4	1.918	2.889	3.8	21.2
1 12	6 37.80	+12 15.5	1.941	2.900	5.3	21.3
1 22	6 29.17	+12 55.7	1.994	2.911	8.5	21.5
2 1	6 22.42	+13 39.5	2.073	2.921	11.7	21.7
2 11	6 18.07	+14 24.5	2.174	2.931	14.4	21.9

453359 2009 AQ_{29} 1 2.1 334°.89 1°.2/ 2.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.79	+26 22.1	1.422	2.288	15.0	20.7
12 13	7 8.84	+26 16.6	1.356	2.285	10.6	20.4
12 23	6 59.01	+26 8.0	1.313	2.282	5.6	20.1
1 2	6 47.51	+25 53.4	1.297	2.280	1.2	19.8
1 12	6 36.03	+25 31.7	1.308	2.277	5.6	20.1
1 22	6 26.19	+25 4.0	1.346	2.275	10.6	20.4
2 1	6 19.24	+24 33.4	1.407	2.273	15.1	20.7
2 11	6 15.85	+24 2.6	1.488	2.272	18.8	20.9

462482 2008 UC_{298} 1 2.1 21°.70 2°.3/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.82	+17 43.0	1.932	2.784	12.3	20.7
12 13	7 4.65	+17 13.8	1.867	2.787	8.8	20.5
12 23	6 56.58	+16 49.0	1.827	2.790	5.0	20.3
1 2	6 47.48	+16 28.9	1.815	2.794	2.3	20.1
1 12	6 38.44	+16 13.7	1.832	2.797	4.7	20.3
1 22	6 30.48	+16 3.3	1.877	2.801	8.5	20.5
2 1	6 24.47	+15 57.4	1.948	2.806	11.9	20.7
2 11	6 20.93	+15 55.6	2.041	2.810	14.8	20.9

235101 2003 LK_{3} 1 2.1 176°.07 0°.7/ 2.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.11	+23 45.3	1.925	2.776	12.4	21.8
12 13	7 8.50	+24 7.6	1.856	2.778	8.7	21.6
12 23	6 58.65	+24 30.7	1.813	2.780	4.5	21.3
1 2	6 47.51	+24 51.4	1.799	2.782	0.7	21.0
1 12	6 36.33	+25 7.2	1.815	2.782	4.5	21.3
1 22	6 26.34	+25 17.1	1.860	2.782	8.7	21.6
2 1	6 18.55	+25 21.9	1.932	2.782	12.4	21.8
2 11	6 13.59	+25 22.9	2.025	2.780	15.4	22.0

448264 2008 YD_{51} 1 2.1 343°.45 0°.1/ 2.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.88	+20 59.5	1.342	2.212	15.5	21.1
12 13	7 6.97	+21 36.7	1.277	2.208	10.9	20.8
12 23	6 58.14	+22 20.8	1.234	2.204	5.7	20.5
1 2	6 47.51	+23 7.1	1.217	2.201	0.1	20.1
1 12	6 36.69	+23 50.8	1.227	2.198	5.6	20.5
1 22	6 27.35	+24 28.5	1.263	2.195	10.9	20.8
2 1	6 20.83	+24 59.3	1.322	2.193	15.5	21.1
2 11	6 17.89	+25 23.4	1.400	2.192	19.4	21.3

194424 2001 VV_{62} 1 2.1 133°.11 6°.6/31.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 21.04	+37 12.6	1.672	2.517	14.2	20.5
12 13	7 12.53	+38 28.9	1.620	2.527	10.8	20.3
12 23	7 0.94	+39 33.8	1.592	2.537	7.7	20.2
1 2	6 47.55	+40 18.6	1.591	2.547	6.6	20.1
1 12	6 34.17	+40 38.7	1.618	2.555	8.4	20.3
1 22	6 22.55	+40 35.0	1.672	2.564	11.5	20.5
2 1	6 14.04	+40 12.2	1.750	2.572	14.7	20.7
2 11	6 9.30	+39 37.4	1.846	2.579	17.4	20.9

409342 2004 XM_{35} 1 2.1 9°.71 4°.8/ 4.2 15 C

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	6 44.87	+ 9 36.8	0.341	1.284	25.2	19.2
12 13	6 49.19	+11 3.3	0.322	1.284	18.8	18.8
12 23	6 49.51	+13 17.9	0.314	1.289	11.4	18.5
1 2	6 47.40	+16 7.4	0.318	1.299	5.2	18.3
1 12	6 45.42	+19 6.8	0.336	1.315	8.1	18.6
1 22	6 45.79	+21 50.5	0.368	1.335	15.0	19.1
2 1	6 49.98	+24 2.1	0.413	1.359	21.2	19.6
2 11	6 58.44	+25 35.8	0.470	1.387	26.2	20.1

306217 2011 QN_{37} 1 2.1 97°.16 1°.4/ 2.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 16.93	+19 14.0	1.662	2.513	14.0	21.1
12 13	7 8.96	+19 9.5	1.615	2.537	9.8	20.9
12 23	6 58.79	+19 9.3	1.594	2.560	5.3	20.7
1 2	6 47.53	+19 12.0	1.600	2.582	1.4	20.5
1 12	6 36.56	+19 16.2	1.636	2.604	4.8	20.8
1 22	6 27.12	+19 21.1	1.701	2.625	9.1	21.1
2 1	6 20.12	+19 26.7	1.790	2.646	12.9	21.3
2 11	6 16.07	+19 32.8	1.901	2.667	15.9	21.6

465012 2006 HA_{41} 1 2.1 234°.85 1°.9/ 2.7 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 9.92	+15 17.1	2.218	3.060	11.3	21.7
12 13	7 3.97	+15 42.1	2.142	3.058	8.1	21.4
12 23	6 56.26	+16 15.2	2.093	3.055	4.6	21.2
1 2	6 47.51	+16 54.7	2.073	3.052	2.0	21.0
1 12	6 38.65	+17 38.1	2.083	3.050	4.1	21.2
1 22	6 30.62	+18 22.9	2.123	3.047	7.6	21.4
2 1	6 24.25	+19 7.2	2.190	3.044	10.9	21.6
2 11	6 20.10	+19 49.4	2.279	3.041	13.7	21.8

331106 2010 AN_{66} 1 2.1 152°.53 2°.7/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 9.23	+12 55.5	2.488	3.322	10.5	21.0
12 13	7 3.26	+13 1.0	2.418	3.326	7.7	20.8
12 23	6 55.80	+13 14.6	2.375	3.331	4.7	20.6
1 2	6 47.50	+13 35.6	2.361	3.334	2.8	20.5
1 12	6 39.19	+14 2.5	2.377	3.338	4.2	20.6
1 22	6 31.65	+14 33.6	2.423	3.341	7.1	20.8
2 1	6 25.57	+15 7.4	2.496	3.345	9.9	21.0
2 11	6 21.45	+15 42.0	2.593	3.348	12.4	21.1

496978 2002 QN_{112} 1 2.1 212°.81 0°.9/ 1.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.79	+26 4.1	2.877	3.720	9.0	22.7
12 13	7 5.01	+26 13.7	2.793	3.711	6.3	22.5
12 23	6 56.71	+26 21.8	2.736	3.702	3.3	22.3
1 2	6 47.52	+26 26.7	2.711	3.693	0.9	22.0
1 12	6 38.27	+26 27.1	2.717	3.682	3.4	22.2
1 22	6 29.74	+26 22.8	2.754	3.671	6.4	22.4
2 1	6 22.65	+26 14.5	2.819	3.660	9.2	22.6
2 11	6 17.50	+26 3.5	2.908	3.648	11.5	22.7

398231 2010 QS_{1} 1 2.1 104°.46 4°.3/31.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.31	+33 34.9	2.171	3.010	11.6	21.0
12 13	7 10.59	+34 48.4	2.129	3.038	8.5	20.8
12 23	6 59.67	+35 54.2	2.114	3.066	5.6	20.7
1 2	6 47.56	+36 46.3	2.129	3.093	4.3	20.7
1 12	6 35.58	+37 21.3	2.175	3.119	6.1	20.8
1 22	6 24.94	+37 39.2	2.250	3.145	8.9	21.0
2 1	6 16.61	+37 42.4	2.352	3.169	11.6	21.3
2 11	6 11.15	+37 35.2	2.475	3.193	13.8	21.5

62087 2000 RC_{88} 1 2.1 102°.94 1°.2/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.71	+21 12.2	1.877	2.730	12.5	18.6
12 13	7 6.74	+20 43.0	1.809	2.732	8.8	18.4
12 23	6 57.71	+20 14.8	1.767	2.734	4.7	18.1
1 2	6 47.54	+19 47.5	1.753	2.735	1.2	17.9
1 12	6 37.44	+19 21.3	1.769	2.737	4.5	18.1
1 22	6 28.55	+18 56.9	1.814	2.739	8.6	18.4
2 1	6 21.79	+18 35.3	1.884	2.740	12.3	18.6
2 11	6 17.71	+18 17.2	1.976	2.742	15.4	18.8

23432 1981 EF_{47} 1 2.1 343°.66 1°.9/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.00	+27 11.3	1.837	2.697	12.4	19.4
12 13	7 5.79	+27 32.5	1.768	2.694	8.8	19.2
12 23	6 57.32	+27 51.7	1.723	2.691	4.8	18.9
1 2	6 47.53	+28 5.5	1.707	2.688	1.9	18.7
1 12	6 37.70	+28 11.6	1.719	2.685	4.9	18.9
1 22	6 29.05	+28 9.6	1.759	2.683	9.0	19.2
2 1	6 22.62	+28 0.7	1.825	2.681	12.6	19.4
2 11	6 19.03	+27 47.3	1.911	2.680	15.7	19.6

492847 2014 QT_{336} 1 2.1 81°.35 1°.6/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.05	+17 39.3	1.727	2.580	13.4	21.3
12 13	7 6.36	+17 54.6	1.672	2.594	9.5	21.1
12 23	6 57.53	+18 16.8	1.642	2.608	5.2	20.9
1 2	6 47.54	+18 43.6	1.640	2.621	1.6	20.7
1 12	6 37.64	+19 12.5	1.666	2.635	4.7	20.9
1 22	6 29.02	+19 41.4	1.721	2.648	8.9	21.2
2 1	6 22.62	+20 9.1	1.801	2.661	12.6	21.5
2 11	6 18.99	+20 34.6	1.903	2.675	15.7	21.7

35292 1996 TE_{47} 1 2.1 58°.31 3°.0/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.09	+29 53.8	1.470	2.333	14.8	18.4
12 13	7 9.69	+30 6.5	1.411	2.337	10.6	18.2
12 23	6 59.42	+30 13.0	1.376	2.342	6.0	17.9
1 2	6 47.57	+30 8.7	1.367	2.346	3.0	17.7
1 12	6 35.85	+29 51.8	1.386	2.351	6.1	17.9
1 22	6 25.87	+29 23.8	1.432	2.356	10.6	18.2
2 1	6 18.84	+28 48.5	1.502	2.361	14.7	18.5
2 11	6 15.37	+28 10.2	1.591	2.366	18.1	18.7

290311 2005 SD_{190} 1 2.1 47.°46 6.°6/ 3.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 10.86	+ 6 37.5	1.574	2.409	15.5	19.7
12 13	7 4.85	+ 6 13.0	1.526	2.425	12.0	19.6
12 23	6 56.75	+ 6 6.5	1.499	2.441	8.6	19.4
1 2	6 47.54	+ 6 19.0	1.499	2.457	6.6	19.3
1 12	6 38.48	+ 6 49.2	1.525	2.474	7.6	19.4
1 22	6 30.72	+ 7 33.6	1.578	2.491	10.6	19.6
2 1	6 25.16	+ 8 27.6	1.654	2.508	13.8	19.9
2 11	6 22.34	+ 9 26.5	1.751	2.526	16.7	20.1

378252 2007 DP_{18} 1 2.1 205.°83 5.°0/ 3.7 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 9.88	+ 4 29.2	2.684	3.484	10.8	22.2
12 13	7 3.68	+ 4 24.1	2.601	3.478	8.5	22.1
12 23	6 56.03	+ 4 31.5	2.544	3.472	6.3	21.9
1 2	6 47.54	+ 4 52.2	2.516	3.464	5.1	21.8
1 12	6 38.95	+ 5 25.3	2.518	3.456	5.7	21.9
1 22	6 31.00	+ 6 9.0	2.550	3.448	7.8	22.0
2 1	6 24.38	+ 7 0.6	2.609	3.438	10.2	22.1
2 11	6 19.58	+ 7 56.8	2.692	3.429	12.4	22.3

56268 1999 JN_{98} 1 2.1 260.°21 7.°1/ 3.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.04	+ 2 48.2	1.988	2.796	13.7	19.3
12 13	7 4.19	+ 2 23.7	1.909	2.787	11.1	19.1
12 23	6 56.45	+ 2 16.4	1.854	2.777	8.6	18.9
1 2	6 47.54	+ 2 28.6	1.825	2.767	7.2	18.8
1 12	6 38.49	+ 3 0.0	1.824	2.757	7.9	18.9
1 22	6 30.30	+ 3 48.2	1.849	2.747	10.3	19.0
2 1	6 23.86	+ 4 49.2	1.900	2.737	13.1	19.1
2 11	6 19.79	+ 5 58.0	1.973	2.726	15.8	19.3

216215 2006 UG_{92} 1 2.1 130.°33 5.°4/31.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.66	+36 56.0	2.050	2.889	12.2	21.7
12 13	7 10.40	+37 57.2	1.997	2.902	9.2	21.5
12 23	6 59.68	+38 48.3	1.969	2.915	6.5	21.4
1 2	6 47.59	+39 23.3	1.971	2.927	5.4	21.3
1 12	6 35.54	+39 38.8	2.001	2.939	7.0	21.5
1 22	6 24.91	+39 35.4	2.059	2.950	9.7	21.7
2 1	6 16.77	+39 16.7	2.143	2.960	12.5	21.9
2 11	6 11.74	+38 47.7	2.247	2.971	14.9	22.1

144362 2004 DG_{45} 1 2.1 283.°19 6.°4/ 4.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 7.98	+ 1 49.7	2.315	3.115	12.3	20.4
12 13	7 2.50	+ 1 38.4	2.240	3.111	10.0	20.3
12 23	6 55.47	+ 1 43.3	2.190	3.108	7.8	20.1
1 2	6 47.53	+ 2 5.7	2.167	3.105	6.5	20.0
1 12	6 39.53	+ 2 44.8	2.172	3.102	7.0	20.1
1 22	6 32.27	+ 3 38.1	2.205	3.099	9.0	20.2
2 1	6 26.49	+ 4 41.9	2.264	3.096	11.4	20.3
2 11	6 22.72	+ 5 51.9	2.345	3.093	13.7	20.5

328674 2009 SV_{290} 1 2.1 156.°39 3.°4/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.96	+12 9.2	2.178	3.012	11.8	21.4
12 13	7 4.63	+12 6.4	2.109	3.016	8.7	21.2
12 23	6 56.58	+12 13.1	2.066	3.020	5.5	21.0
1 2	6 47.56	+12 28.8	2.052	3.024	3.4	20.9
1 12	6 38.53	+12 52.3	2.068	3.027	4.9	21.0
1 22	6 30.40	+13 21.8	2.112	3.030	8.0	21.2
2 1	6 23.97	+13 55.2	2.184	3.033	11.1	21.4
2 11	6 19.78	+14 30.7	2.278	3.036	13.8	21.6

419431 2010 CC_{33} 1 2.1 284.°03 4.°1/ 1.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.82	+34 32.0	2.159	3.005	11.4	21.1
12 13	7 7.01	+34 58.9	2.078	2.992	8.4	20.8
12 23	6 57.96	+35 18.1	2.023	2.978	5.5	20.6
1 2	6 47.58	+35 25.5	1.997	2.965	4.1	20.5
1 12	6 37.07	+35 18.8	2.000	2.951	5.9	20.6
1 22	6 27.66	+34 58.2	2.031	2.938	9.0	20.8
2 1	6 20.37	+34 26.5	2.088	2.924	12.1	21.0
2 11	6 15.86	+33 47.6	2.166	2.911	14.8	21.1

280669 2005 EL_{150} 1 2.1 121.°60 4.°4/31.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.66	+35 46.3	2.396	3.237	10.6	20.5
12 13	7 6.66	+36 34.9	2.335	3.243	7.9	20.4
12 23	6 57.68	+37 15.9	2.301	3.250	5.4	20.2
1 2	6 47.58	+37 44.8	2.296	3.256	4.4	20.2
1 12	6 37.46	+37 59.0	2.320	3.263	5.9	20.3
1 22	6 28.42	+37 58.5	2.373	3.269	8.4	20.4
2 1	6 21.34	+37 45.6	2.452	3.275	11.0	20.6
2 11	6 16.80	+37 23.8	2.553	3.281	13.2	20.8

19757 2000 GK_{1} 1 2.1 105.°78 1.°9/ 2.8 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.29	+14 55.9	1.901	2.743	12.9	18.0
12 13	7 7.08	+15 37.7	1.846	2.761	9.2	17.9
12 23	6 57.88	+16 28.9	1.817	2.780	5.2	17.6
1 2	6 47.58	+17 26.3	1.817	2.798	2.0	17.5
1 12	6 37.35	+18 26.1	1.848	2.815	4.5	17.7
1 22	6 28.28	+19 24.7	1.908	2.832	8.4	17.9
2 1	6 21.27	+20 19.8	1.995	2.848	11.8	18.2
2 11	6 16.87	+21 10.1	2.104	2.864	14.7	18.4

34120 2000 PL_{28} 1 2.1 340.°01 0.°7/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 11.81	+21 19.9	1.198	2.075	16.4	17.9
12 13	7 6.59	+22 16.1	1.131	2.065	11.6	17.6
12 23	6 58.14	+23 21.5	1.086	2.057	6.1	17.2
1 2	6 47.59	+24 29.8	1.066	2.049	0.7	16.8
1 12	6 36.70	+25 33.8	1.071	2.042	6.2	17.2
1 22	6 27.35	+26 28.5	1.102	2.036	11.9	17.5
2 1	6 21.07	+27 12.1	1.154	2.031	16.9	17.7
2 11	6 18.76	+27 45.0	1.224	2.027	21.0	18.0

236891 2007 SO_{12} 1 2.1 283.°21 0.°0/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.37	+23 31.9	2.225	3.076	10.9	20.1
12 13	7 4.98	+23 20.1	2.148	3.071	7.6	19.8
12 23	6 56.79	+23 7.9	2.099	3.067	4.0	19.6
1 2	6 47.57	+22 54.2	2.078	3.062	0.1	19.2
1 12	6 38.34	+22 38.6	2.088	3.057	3.9	19.6
1 22	6 30.08	+22 21.3	2.127	3.052	7.6	19.8
2 1	6 23.60	+22 3.2	2.193	3.047	10.9	20.0
2 11	6 19.46	+21 45.5	2.282	3.042	13.7	20.2

19556 1999 JV_{77} 1 2.1 135.°23 0.°7/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.30	+22 12.1	1.864	2.714	12.7	18.2
12 13	7 8.67	+23 4.6	1.804	2.727	8.9	18.0
12 23	6 58.79	+24 0.4	1.771	2.739	4.6	17.7
1 2	6 47.61	+24 54.7	1.767	2.750	0.7	17.5
1 12	6 36.41	+25 43.3	1.794	2.761	4.6	17.8
1 22	6 26.45	+26 23.8	1.849	2.771	8.8	18.0
2 1	6 18.74	+26 56.0	1.931	2.780	12.4	18.3
2 11	6 13.90	+27 20.8	2.035	2.789	15.4	18.5

8104 Kumamori 1 2.1 169.°10 1.°6/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.75	+28 32.9	2.416	3.263	10.3	18.0
12 13	7 5.84	+28 35.4	2.345	3.265	7.3	17.9
12 23	6 57.18	+28 34.1	2.302	3.267	4.0	17.6
1 2	6 47.58	+28 27.0	2.288	3.268	1.6	17.5
1 12	6 38.03	+28 13.2	2.305	3.269	4.0	17.7
1 22	6 29.47	+27 53.2	2.352	3.270	7.3	17.9
2 1	6 22.69	+27 28.7	2.426	3.271	10.3	18.1
2 11	6 18.20	+27 1.7	2.523	3.272	12.8	18.2

360817 2005 JB_{125} 1 2.1 160.°40 6.°1/ 3.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.82	+ 4 30.5	2.220	3.026	12.6	21.6
12 13	7 5.15	+ 4 0.4	2.153	3.033	9.9	21.4
12 23	6 56.83	+ 3 44.5	2.112	3.039	7.5	21.3
1 2	6 47.58	+ 3 44.2	2.098	3.044	6.1	21.2
1 12	6 38.35	+ 3 59.4	2.114	3.048	6.9	21.3
1 22	6 30.01	+ 4 28.2	2.157	3.052	9.1	21.4
2 1	6 23.33	+ 5 7.7	2.227	3.056	11.7	21.6
2 11	6 18.82	+ 5 54.3	2.319	3.059	14.1	21.8

114112 2002 VR_{47} 1 2.1 68.°30 2.°4/ 2.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.73	+17 23.2	1.271	2.135	16.6	19.6
12 13	7 8.73	+17 19.5	1.222	2.148	11.8	19.3
12 23	6 58.92	+17 24.6	1.196	2.162	6.6	19.1
1 2	6 47.61	+17 36.7	1.195	2.175	2.4	18.8
1 12	6 36.50	+17 53.5	1.220	2.189	5.9	19.1
1 22	6 27.17	+18 13.1	1.272	2.203	10.9	19.4
2 1	6 20.77	+18 34.0	1.347	2.217	15.4	19.7
2 11	6 17.88	+18 55.0	1.440	2.230	19.0	20.0

458278 2010 UY_{51} 1 2.2 70.°02 9.°1/ 4.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.72	+ 0 15.6	1.694	2.497	16.0	20.8
12 13	7 5.94	− 0 42.8	1.654	2.522	13.1	20.7
12 23	6 57.24	− 1 19.2	1.636	2.546	10.5	20.6
1 2	6 47.61	− 1 30.4	1.643	2.571	9.1	20.5
1 12	6 38.21	− 1 16.7	1.677	2.595	9.7	20.6
1 22	6 30.11	− 0 41.3	1.736	2.619	11.7	20.8
2 1	6 24.13	+ 0 10.6	1.819	2.643	14.1	21.0
2 11	6 20.75	+ 1 12.7	1.921	2.667	16.4	21.2

10642 Charmaine 1 2.2 335.°59 0.°7/ 2.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.58	+24 4.3	2.017	2.874	11.6	17.6
12 13	7 4.65	+24 23.8	1.945	2.870	8.1	17.4
12 23	6 56.71	+24 44.2	1.898	2.866	4.2	17.2
1 2	6 47.60	+25 2.9	1.880	2.863	0.7	16.9
1 12	6 38.41	+25 17.6	1.891	2.859	4.3	17.1
1 22	6 30.24	+25 27.4	1.931	2.856	8.2	17.4
2 1	6 24.00	+25 32.6	1.996	2.853	11.7	17.6
2 11	6 20.30	+25 34.0	2.083	2.850	14.6	17.8

288540 2004 GX_{23} 1 2.2 299.°19 4.°2/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.92	+11 35.3	1.662	2.508	14.2	20.1
12 13	7 5.22	+11 39.0	1.581	2.493	10.7	19.9
12 23	6 57.16	+11 56.4	1.523	2.479	6.8	19.6
1 2	6 47.61	+12 27.3	1.491	2.464	4.2	19.4
1 12	6 37.79	+13 9.8	1.488	2.450	6.1	19.5
1 22	6 28.98	+14 0.5	1.512	2.436	10.1	19.7
2 1	6 22.29	+14 55.8	1.560	2.422	14.1	19.9
2 11	6 18.49	+15 52.5	1.629	2.409	17.5	20.1

277997 2006 UT_{78} 1 2.2 302°.35 0°.6/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 16.72	+21 57.8	1.268	2.137	16.3	20.9
12 13	7 9.72	+21 50.5	1.205	2.135	11.6	20.7
12 23	6 59.61	+21 45.6	1.164	2.134	6.1	20.4
1 2	6 47.66	+21 41.0	1.149	2.132	0.6	20.0
1 12	6 35.68	+21 35.1	1.161	2.131	5.8	20.3
1 22	6 25.45	+21 27.7	1.198	2.129	11.4	20.6
2 1	6 18.31	+21 20.0	1.258	2.128	16.2	20.9
2 11	6 14.98	+21 13.2	1.336	2.127	20.2	21.2

146391 2001 QB_{102} 1 2.2 15°.59 9°.0/31.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.71	+42 27.1	1.470	2.316	15.7	18.4
12 13	7 10.65	+43 33.6	1.419	2.319	12.6	18.2
12 23	7 0.15	+44 22.3	1.390	2.323	9.9	18.1
1 2	6 47.66	+44 44.0	1.386	2.328	9.0	18.1
1 12	6 35.28	+44 35.0	1.407	2.334	10.4	18.1
1 22	6 24.99	+43 57.6	1.452	2.340	13.2	18.3
2 1	6 18.19	+42 59.2	1.519	2.347	16.3	18.5
2 11	6 15.52	+41 48.3	1.605	2.354	19.0	18.8

81671 2000 HD_{103} 1 2.2 9°.32 4°.8/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 9.74	+10 57.6	1.305	2.164	16.5	18.3
12 13	7 4.61	+11 3.6	1.247	2.166	12.3	18.1
12 23	6 56.88	+11 27.2	1.210	2.168	7.9	17.9
1 2	6 47.62	+12 7.7	1.198	2.172	4.9	17.7
1 12	6 38.32	+13 1.9	1.212	2.176	6.8	17.8
1 22	6 30.42	+14 4.7	1.251	2.182	11.1	18.1
2 1	6 25.11	+15 11.0	1.313	2.188	15.3	18.3
2 11	6 23.05	+16 16.4	1.394	2.195	19.0	18.6

53779 2000 EV_{93} 1 2.2 258°.66 7°.9/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.14	+ 2 27.0	1.917	2.724	14.2	19.4
12 13	7 5.05	+ 1 39.1	1.836	2.711	11.6	19.2
12 23	6 56.96	+ 1 8.0	1.779	2.698	9.2	19.0
1 2	6 47.62	+ 0 57.0	1.748	2.685	7.9	18.9
1 12	6 38.10	+ 1 7.2	1.744	2.671	8.7	18.9
1 22	6 29.47	+ 1 37.0	1.767	2.657	11.1	19.0
2 1	6 22.66	+ 2 23.0	1.813	2.643	13.9	19.2
2 11	6 18.34	+ 3 20.2	1.881	2.629	16.7	19.4

171528 1999 JH_{28} 1 2.2 228°.62 3°.4/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 8.62	+11 21.4	2.750	3.577	9.8	20.4
12 13	7 2.81	+11 2.1	2.667	3.568	7.4	20.2
12 23	6 55.61	+10 50.2	2.610	3.559	4.9	20.1
1 2	6 47.61	+10 46.0	2.583	3.550	3.4	19.9
1 12	6 39.54	+10 49.4	2.586	3.540	4.5	20.0
1 22	6 32.11	+10 59.7	2.619	3.530	7.0	20.1
2 1	6 25.98	+11 15.7	2.679	3.520	9.6	20.3
2 11	6 21.61	+11 35.8	2.763	3.509	11.9	20.5

265758 2005 VP_{97} 1 2.2 238°.11 0°.8/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.35	+24 56.6	1.964	2.819	12.0	20.5
12 13	7 6.61	+25 2.3	1.890	2.814	8.4	20.3
12 23	6 57.75	+25 7.2	1.842	2.810	4.4	20.1
1 2	6 47.65	+25 8.9	1.823	2.806	0.8	19.8
1 12	6 37.51	+25 6.0	1.833	2.801	4.4	20.0
1 22	6 28.48	+24 58.4	1.872	2.797	8.5	20.3
2 1	6 21.53	+24 47.2	1.937	2.792	12.1	20.5
2 11	6 17.28	+24 34.0	2.024	2.787	15.1	20.7

440486 2005 TB_{50} 1 2.2 102°.43 0°.5/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.90	+23 41.4	1.577	2.431	14.5	21.7
12 13	7 11.19	+23 52.0	1.533	2.456	10.1	21.5
12 23	7 0.04	+24 2.6	1.513	2.481	5.2	21.3
1 2	6 47.69	+24 9.9	1.522	2.505	0.5	21.0
1 12	6 35.70	+24 12.2	1.560	2.528	5.0	21.4
1 22	6 25.45	+24 9.4	1.626	2.551	9.5	21.7
2 1	6 17.93	+24 3.3	1.718	2.572	13.4	22.0
2 11	6 13.66	+23 55.5	1.830	2.593	16.5	22.3

76654 2000 HM_{35} 1 2.2 80°.49 1°.0/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.44	+24 1.4	2.171	3.025	11.1	19.2
12 13	7 5.10	+24 44.7	2.110	3.034	7.7	19.0
12 23	6 56.90	+25 29.2	2.076	3.043	4.0	18.8
1 2	6 47.65	+26 11.3	2.071	3.053	1.0	18.6
1 12	6 38.38	+26 48.2	2.096	3.062	4.1	18.8
1 22	6 30.10	+27 18.1	2.150	3.072	7.7	19.0
2 1	6 23.67	+27 40.9	2.232	3.081	10.9	19.3
2 11	6 19.62	+27 57.5	2.335	3.091	13.6	19.5

128319 2004 EF_{25} 1 2.2 193°.28 3°.0/ 1.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.71	+28 58.4	1.783	2.634	13.2	19.7
12 13	7 10.71	+29 44.0	1.712	2.633	9.4	19.5
12 23	7 0.02	+30 26.6	1.667	2.631	5.4	19.3
1 2	6 47.70	+31 0.5	1.650	2.627	3.0	19.1
1 12	6 35.23	+31 21.6	1.663	2.624	5.8	19.3
1 22	6 24.11	+31 29.2	1.704	2.619	9.9	19.5
2 1	6 15.54	+31 25.4	1.771	2.614	13.6	19.7
2 11	6 10.26	+31 13.8	1.858	2.608	16.8	19.9

493509 2015 BT_{265} 1 2.2 1°.40 4°.5/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 9.22	+10 0.9	1.984	2.820	12.7	21.2
12 13	7 3.58	+ 9 44.5	1.915	2.820	9.6	21.0
12 23	6 56.13	+ 9 39.8	1.871	2.820	6.5	20.8
1 2	6 47.64	+ 9 47.4	1.853	2.820	4.6	20.7
1 12	6 39.11	+10 6.6	1.865	2.820	5.9	20.8
1 22	6 31.52	+10 35.4	1.904	2.820	8.9	21.0
2 1	6 25.70	+11 11.3	1.969	2.821	12.0	21.1
2 11	6 22.22	+11 51.4	2.055	2.822	14.8	21.3

211597 2003 ST_{271} 1 2.2 53°.06 4°.1/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.77	+12 53.9	1.458	2.311	15.5	19.6
12 13	7 6.47	+12 46.1	1.402	2.319	11.4	19.4
12 23	6 57.75	+12 51.0	1.369	2.328	7.0	19.1
1 2	6 47.67	+13 8.3	1.362	2.337	4.1	19.0
1 12	6 37.66	+13 36.0	1.383	2.347	6.2	19.1
1 22	6 29.07	+14 11.2	1.430	2.356	10.4	19.4
2 1	6 22.95	+14 50.9	1.501	2.366	14.4	19.7
2 11	6 19.91	+15 32.0	1.591	2.376	17.7	19.9

468287 2015 DH_{111} 1 2.2 230°.11 4°.2/31.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.03	+35 31.5	2.530	3.370	10.1	21.6
12 13	7 6.28	+36 20.8	2.456	3.364	7.6	21.4
12 23	6 57.56	+37 3.6	2.409	3.358	5.2	21.3
1 2	6 47.67	+37 35.3	2.391	3.352	4.2	21.2
1 12	6 37.64	+37 53.3	2.403	3.346	5.7	21.3
1 22	6 28.53	+37 57.0	2.444	3.339	8.2	21.4
2 1	6 21.24	+37 48.3	2.511	3.332	10.8	21.6
2 11	6 16.39	+37 30.2	2.600	3.325	13.1	21.7

274405 2008 RV_{130} 1 2.2 114°.09 0°.1/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.77	+22 20.7	2.214	3.064	11.0	21.2
12 13	7 5.24	+22 40.1	2.152	3.074	7.7	21.1
12 23	6 56.94	+23 1.4	2.116	3.083	4.0	20.8
1 2	6 47.67	+23 22.0	2.109	3.093	0.1	20.5
1 12	6 38.42	+23 40.1	2.133	3.102	3.8	20.9
1 22	6 30.17	+23 54.7	2.187	3.110	7.5	21.1
2 1	6 23.72	+24 5.7	2.267	3.119	10.7	21.3
2 11	6 19.58	+24 13.8	2.370	3.127	13.3	21.5

77578 2001 KC_{12} 1 2.2 183°.08 0°.2/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.90	+22 7.7	1.864	2.718	12.6	19.7
12 13	7 7.08	+22 34.9	1.794	2.718	8.8	19.4
12 23	6 58.04	+23 5.0	1.750	2.718	4.6	19.2
1 2	6 47.69	+23 34.9	1.735	2.718	0.2	18.8
1 12	6 37.25	+24 1.6	1.749	2.717	4.5	19.2
1 22	6 27.95	+24 23.6	1.792	2.717	8.7	19.4
2 1	6 20.80	+24 40.5	1.860	2.716	12.5	19.7
2 11	6 16.45	+24 53.2	1.950	2.714	15.6	19.9

132266 2002 EV_{127} 1 2.2 205°.93 3°.3/ 1.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.51	+30 49.8	1.857	2.708	12.8	20.7
12 13	7 9.79	+31 23.2	1.785	2.704	9.2	20.4
12 23	6 59.52	+31 51.4	1.738	2.699	5.5	20.2
1 2	6 47.71	+32 9.4	1.719	2.694	3.3	20.1
1 12	6 35.81	+32 14.1	1.730	2.689	5.8	20.2
1 22	6 25.21	+32 5.6	1.769	2.683	9.6	20.4
2 1	6 17.09	+31 46.5	1.834	2.676	13.2	20.6
2 11	6 12.12	+31 20.7	1.919	2.669	16.3	20.8

21529 Johnjames 1 2.2 125°.72 3°.1/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.83	+11 28.0	2.372	3.200	11.1	18.4
12 13	7 4.43	+11 44.1	2.309	3.213	8.2	18.2
12 23	6 56.48	+12 9.9	2.272	3.226	5.1	18.1
1 2	6 47.68	+12 44.3	2.265	3.238	3.1	17.9
1 12	6 38.89	+13 25.3	2.289	3.249	4.5	18.0
1 22	6 30.97	+14 10.4	2.342	3.260	7.4	18.2
2 1	6 24.61	+14 57.5	2.423	3.271	10.2	18.5
2 11	6 20.30	+15 44.4	2.528	3.281	12.7	18.6

423808 2006 HZ_{113} 1 2.2 144°.85 1°.4/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.23	+16 22.3	2.482	3.322	10.3	21.3
12 13	7 4.05	+16 50.4	2.413	3.328	7.3	21.2
12 23	6 56.31	+17 24.7	2.371	3.334	4.1	21.0
1 2	6 47.69	+18 3.5	2.358	3.339	1.5	20.8
1 12	6 39.02	+18 44.4	2.377	3.344	3.6	20.9
1 22	6 31.14	+19 25.4	2.427	3.349	6.9	21.2
2 1	6 24.77	+20 4.9	2.504	3.354	9.8	21.4
2 11	6 20.41	+20 41.9	2.604	3.358	12.3	21.5

350771 2002 BL_{14} 1 2.2 323°.13 1°.9/ 2.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.08	+27 43.0	1.394	2.261	15.2	20.1
12 13	7 9.23	+27 41.6	1.326	2.255	10.8	19.9
12 23	6 59.37	+27 35.7	1.281	2.249	5.9	19.6
1 2	6 47.74	+27 21.8	1.262	2.244	1.9	19.3
1 12	6 36.07	+26 58.4	1.271	2.239	5.9	19.5
1 22	6 26.06	+26 27.0	1.305	2.234	10.9	19.8
2 1	6 19.03	+25 51.0	1.363	2.229	15.5	20.1
2 11	6 15.68	+25 14.0	1.440	2.225	19.2	20.3

414870 2010 VW_{163} 1 2.2 79°.82 3°.4/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 14.84	+15 22.4	1.763	2.608	13.6	20.7
12 13	7 7.43	+14 40.6	1.715	2.629	9.8	20.5
12 23	6 58.05	+14 5.8	1.691	2.650	5.9	20.3
1 2	6 47.71	+13 39.1	1.696	2.671	3.4	20.2
1 12	6 37.64	+13 20.8	1.730	2.692	5.5	20.4
1 22	6 28.93	+13 10.7	1.793	2.712	9.1	20.6
2 1	6 22.43	+13 7.9	1.880	2.732	12.5	20.9
2 11	6 18.60	+13 11.1	1.989	2.752	15.4	21.1

253320 2003 DE_{22} 1 2.2 350°.04 3°.3/ 3.1 18

12 3	7 5.94	+13 24.8	1.094	1.973	17.5	18.5
12 13	7 2.54	+14 2.8	1.027	1.959	12.9	18.2
12 23	6 56.11	+15 1.6	0.979	1.946	7.6	17.8
1 2	6 47.68	+16 18.4	0.955	1.935	3.4	17.6
1 12	6 38.93	+17 47.1	0.955	1.927	6.5	17.7
1 22	6 31.58	+19 19.4	0.979	1.920	12.0	18.0
2 1	6 27.15	+20 48.5	1.024	1.916	17.2	18.3
2 11	6 26.53	+22 9.3	1.087	1.914	21.5	18.5

131836 2002 AP_{113} 1 2.2 245°.73 0°.5/ 2.1 18

12 3	7 15.77	+23 48.3	1.715	2.571	13.4	20.6
12 13	7 8.67	+23 58.8	1.635	2.560	9.5	20.3
12 23	6 59.01	+24 10.2	1.580	2.548	5.0	20.0
1 2	6 47.74	+24 19.3	1.552	2.535	0.5	19.7
1 12	6 36.26	+24 23.8	1.554	2.523	4.9	20.0
1 22	6 26.00	+24 23.3	1.584	2.509	9.6	20.2
2 1	6 18.13	+24 18.5	1.639	2.496	13.8	20.4
2 11	6 13.41	+24 11.4	1.714	2.482	17.3	20.7

518103 2016 AM_{230} 1 2.2 201°.97 4°.8/ 3.5 16

12 3	7 10.15	+ 6 49.1	2.377	3.191	11.6	22.1
12 13	7 4.05	+ 6 46.4	2.299	3.188	8.9	21.9
12 23	6 56.34	+ 6 56.4	2.246	3.184	6.3	21.8
1 2	6 47.70	+ 7 19.4	2.222	3.180	4.8	21.7
1 12	6 38.96	+ 7 54.3	2.228	3.176	5.7	21.7
1 22	6 30.98	+ 8 38.9	2.263	3.171	8.2	21.8
2 1	6 24.50	+ 9 30.2	2.326	3.165	10.9	22.0
2 11	6 20.05	+10 25.3	2.411	3.160	13.4	22.2

364432 2006 WP_{142} 1 2.2 175°.16 5°.8/ 3.0 18

12 3	7 12.21	+ 6 54.4	2.085	2.903	12.8	21.7
12 13	7 5.57	+ 6 11.8	2.015	2.905	10.0	21.5
12 23	6 57.15	+ 5 41.7	1.971	2.906	7.3	21.3
1 2	6 47.71	+ 5 26.0	1.955	2.907	5.9	21.2
1 12	6 38.27	+ 5 25.2	1.967	2.908	6.9	21.3
1 22	6 29.77	+ 5 38.2	2.008	2.908	9.4	21.5
2 1	6 23.03	+ 6 2.6	2.074	2.908	12.3	21.6
2 11	6 18.60	+ 6 35.2	2.162	2.907	14.8	21.8

449144 2013 AG_{71} 1 2.2 290°.60 2°.3/ 2.7 18

12 3	7 13.47	+15 47.3	1.473	2.330	15.1	21.1
12 13	7 7.22	+16 11.1	1.402	2.325	10.9	20.8
12 23	6 58.31	+16 46.5	1.355	2.320	6.2	20.6
1 2	6 47.73	+17 30.9	1.335	2.315	2.3	20.3
1 12	6 36.97	+18 20.5	1.342	2.311	5.5	20.5
1 22	6 27.48	+19 11.4	1.376	2.306	10.4	20.8
2 1	6 20.51	+20 0.7	1.434	2.302	14.8	21.0
2 11	6 16.83	+20 46.6	1.513	2.297	18.5	21.3

467058 2016 DB_{10} 1 2.2 206°.67 1°.0/ 2.0 18

12 3	7 13.10	+25 20.4	2.041	2.895	11.6	21.5
12 13	7 6.40	+25 32.4	1.970	2.893	8.2	21.3
12 23	6 57.65	+25 43.7	1.924	2.892	4.3	21.0
1 2	6 47.73	+25 51.5	1.907	2.890	1.0	20.8
1 12	6 37.77	+25 54.2	1.920	2.888	4.3	21.0
1 22	6 28.88	+25 51.5	1.962	2.886	8.2	21.2
2 1	6 22.01	+25 44.3	2.030	2.883	11.7	21.5
2 11	6 17.75	+25 34.1	2.121	2.881	14.6	21.7

325231 2008 GD_{46} 1 2.2 358°.89 2°.8/ 1.4 18

12 3	7 13.67	+27 13.1	1.674	2.536	13.3	20.6
12 13	7 7.28	+28 13.7	1.609	2.535	9.5	20.4
12 23	6 58.30	+29 14.2	1.569	2.535	5.3	20.1
1 2	6 47.74	+30 8.4	1.556	2.535	2.8	20.0
1 12	6 37.03	+30 51.5	1.572	2.535	5.8	20.2
1 22	6 27.60	+31 21.3	1.615	2.535	9.9	20.4
2 1	6 20.63	+31 38.6	1.683	2.535	13.7	20.6
2 11	6 16.86	+31 45.9	1.771	2.536	16.9	20.9

180021 2003 AP_{14} 1 2.2 49°.04 5°.8/ 1.2 18

12 3	7 17.30	+34 40.4	1.439	2.300	15.2	18.9
12 13	7 9.97	+35 39.1	1.399	2.318	11.2	18.7
12 23	6 59.66	+36 27.0	1.381	2.337	7.4	18.6
1 2	6 47.77	+36 56.8	1.390	2.356	5.8	18.5
1 12	6 36.14	+37 4.9	1.425	2.375	7.9	18.7
1 22	6 26.47	+36 52.8	1.486	2.395	11.4	19.0
2 1	6 19.93	+36 25.3	1.570	2.415	14.9	19.2
2 11	6 17.08	+35 48.6	1.673	2.436	17.8	19.5

397528 2007 TF_{187} 1 2.2 101°.63 4°.2/ 1.3 15

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 19.98	+32 20.1	1.798	2.645	13.3	22.1
12 13	7 11.35	+33 17.5	1.755	2.670	9.6	21.9
12 23	7 0.21	+34 7.2	1.737	2.695	6.0	21.7
1 2	6 47.78	+34 43.2	1.748	2.719	4.2	21.7
1 12	6 35.57	+35 2.2	1.789	2.742	6.3	21.8
1 22	6 24.99	+35 4.8	1.858	2.764	9.7	22.1
2 1	6 17.09	+34 54.2	1.952	2.786	12.9	22.3
2 11	6 12.42	+34 34.9	2.067	2.807	15.6	22.6

155409 1995 YN_{7} 1 2.2 114°.19 1°.5/ 2.5 18

12 3	7 11.62	+17 57.9	2.026	2.875	11.9	20.4
12 13	7 5.26	+18 4.1	1.961	2.881	8.5	20.2
12 23	6 57.02	+18 15.6	1.921	2.886	4.6	20.0
1 2	6 47.73	+18 31.2	1.910	2.892	1.5	19.8
1 12	6 38.44	+18 49.1	1.929	2.897	4.2	20.0
1 22	6 30.18	+19 7.9	1.977	2.902	8.0	20.3
2 1	6 23.80	+19 26.7	2.051	2.907	11.5	20.5
2 11	6 19.86	+19 44.9	2.147	2.912	14.3	20.7

7179 Gassendi 1 2.2 37°.09 0°.7/ 2.3 18

12 3	7 11.38	+20 48.9	1.767	2.626	12.9	17.1
12 13	7 5.27	+20 54.2	1.709	2.635	9.0	16.9
12 23	6 57.07	+21 2.9	1.676	2.644	4.7	16.6
1 2	6 47.73	+21 13.2	1.670	2.653	0.7	16.4
1 12	6 38.47	+21 23.2	1.694	2.663	4.4	16.7
1 22	6 30.43	+21 32.1	1.745	2.673	8.6	16.9
2 1	6 24.53	+21 39.7	1.821	2.684	12.3	17.2
2 11	6 21.34	+21 46.0	1.919	2.695	15.4	17.4

295809 2008 UX_{316} 1 2.2 7°.63 1°.1/ 2.0 18

12 3	7 12.80	+24 30.5	1.152	2.032	16.7	20.2
12 13	7 7.21	+24 45.9	1.097	2.032	11.8	20.0
12 23	6 58.41	+25 2.4	1.063	2.034	6.2	19.7
1 2	6 47.75	+25 15.6	1.053	2.036	1.1	19.3
1 12	6 37.13	+25 22.6	1.069	2.040	6.1	19.7
1 22	6 28.35	+25 22.5	1.109	2.044	11.7	20.0
2 1	6 22.77	+25 16.8	1.171	2.050	16.5	20.3
2 11	6 21.07	+25 7.7	1.251	2.057	20.4	20.6

368533 2003 WK_{92} 1 2.2 19°.12 7°.1/ 3.3 18

12 3	7 8.52	+ 7 27.3	1.431	2.278	16.1	19.1
12 13	7 3.44	+ 6 38.7	1.384	2.289	12.5	18.9
12 23	6 56.17	+ 6 8.0	1.358	2.301	9.1	18.8
1 2	6 47.72	+ 5 57.6	1.357	2.315	7.2	18.7
1 12	6 39.43	+ 6 7.5	1.382	2.330	8.3	18.8
1 22	6 32.47	+ 6 35.0	1.431	2.346	11.3	19.0
2 1	6 27.81	+ 7 15.5	1.503	2.364	14.6	19.3
2 11	6 25.96	+ 8 4.0	1.595	2.382	17.6	19.5

432513 2010 FJ_{25} 1 2.2 212°.69 5°.8/31.5 18

12 3	7 15.71	+43 25.3	2.843	3.658	9.9	21.7
12 13	7 8.14	+44 13.1	2.772	3.652	8.0	21.6
12 23	6 58.55	+44 49.6	2.726	3.645	6.4	21.5
1 2	6 47.77	+45 10.4	2.709	3.639	5.9	21.4
1 12	6 36.90	+45 13.1	2.721	3.632	6.8	21.5
1 22	6 27.02	+44 58.2	2.762	3.624	8.6	21.6
2 1	6 19.06	+44 28.4	2.827	3.617	10.6	21.7
2 11	6 13.63	+43 47.9	2.915	3.608	12.4	21.9

350638 2001 TK_{85} 1 2.2 26°.62 1°.4/ 2.4 17

12 3	7 12.99	+20 6.3	1.021	1.903	18.1	20.2
12 13	7 7.30	+20 1.3	0.978	1.914	12.8	19.9
12 23	6 58.39	+20 3.1	0.956	1.927	6.8	19.6
1 2	6 47.77	+20 9.3	0.958	1.941	1.4	19.3
1 12	6 37.44	+20 17.8	0.984	1.956	6.2	19.7
1 22	6 29.17	+20 26.9	1.033	1.972	11.9	20.1
2 1	6 24.22	+20 36.1	1.104	1.989	16.8	20.4
2 11	6 23.15	+20 44.9	1.192	2.007	20.7	20.7

493570 2015 KS_{45} 1 2.2 189°.55 0°.0/ 2.2 17

12 3	7 5.99	+22 32.0	3.817	4.659	7.0	22.4
12 13	7 0.76	+22 44.5	3.739	4.658	4.9	22.2
12 23	6 54.52	+22 57.7	3.689	4.656	2.5	22.0
1 2	6 47.72	+23 10.7	3.671	4.654	0.1	21.8
1 12	6 40.89	+23 22.5	3.685	4.653	2.4	22.0
1 22	6 34.54	+23 32.6	3.730	4.650	4.8	22.2
2 1	6 29.16	+23 40.8	3.804	4.648	6.9	22.4
2 11	6 25.12	+23 47.1	3.902	4.645	8.7	22.5

421565 2014 OD_{191} 1 2.2 131°.05 6°.8/ 1.3 18

12 3	7 20.24	+41 10.6	1.899	2.731	13.3	20.9
12 13	7 11.77	+41 51.4	1.841	2.737	10.4	20.8
12 23	7 0.55	+42 17.4	1.808	2.744	7.8	20.6
1 2	6 47.82	+42 22.3	1.803	2.750	6.8	20.6
1 12	6 35.25	+42 3.8	1.825	2.755	8.1	20.7
1 22	6 24.39	+41 24.1	1.874	2.761	10.8	20.8
2 1	6 16.39	+40 28.7	1.947	2.766	13.6	21.0
2 11	6 11.84	+39 24.4	2.041	2.771	16.1	21.2

99836 2002 NW_{20} 1 2.2 158°.52 4°.3/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 9.51	+ 9 33.6	2.166	2.996	12.0	19.6
12 13	7 3.71	+ 9 25.6	2.095	2.996	9.1	19.4
12 23	6 56.22	+ 9 29.0	2.049	2.997	6.1	19.2
1 2	6 47.76	+ 9 44.1	2.032	2.997	4.3	19.1
1 12	6 39.25	+10 9.7	2.043	2.998	5.5	19.2
1 22	6 31.61	+10 44.0	2.083	2.998	8.3	19.4
2 1	6 25.60	+11 24.4	2.149	2.998	11.3	19.5
2 11	6 21.76	+12 8.1	2.238	2.999	13.9	19.7

297342 1999 XM_{103} 1 2.2 44°.90 1°.1/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 22.54	+27 55.9	1.138	2.007	17.8	17.6
12 13	7 13.17	+27 10.3	1.115	2.044	12.3	17.4
12 23	7 1.00	+26 19.0	1.114	2.083	6.4	17.2
1 2	6 47.84	+25 21.5	1.139	2.122	1.1	17.0
1 12	6 35.73	+24 20.6	1.191	2.161	5.8	17.4
1 22	6 26.23	+23 20.7	1.269	2.200	10.9	17.8
2 1	6 20.21	+22 25.9	1.371	2.240	15.2	18.2
2 11	6 17.92	+21 38.4	1.492	2.279	18.5	18.5

465531 2008 UW_{248} 1 2.2 267°.13 2°.8/ 1.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.24	+29 8.9	2.249	3.100	10.8	20.9
12 13	7 5.88	+30 3.5	2.172	3.092	7.7	20.7
12 23	6 57.47	+30 56.5	2.122	3.085	4.5	20.5
1 2	6 47.79	+31 43.2	2.101	3.077	2.8	20.3
1 12	6 37.91	+32 20.0	2.110	3.069	5.0	20.5
1 22	6 28.92	+32 45.4	2.149	3.061	8.3	20.7
2 1	6 21.78	+32 59.8	2.213	3.052	11.4	20.9
2 11	6 17.17	+33 5.5	2.300	3.044	14.1	21.0

494935 2009 BB_{44} 1 2.2 289°.72 0°.4/ 2.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.50	+23 27.5	1.540	2.403	14.2	21.8
12 13	7 8.11	+23 36.3	1.456	2.384	10.1	21.6
12 23	6 58.88	+23 46.7	1.397	2.366	5.3	21.2
1 2	6 47.83	+23 55.6	1.364	2.347	0.4	20.8
1 12	6 36.44	+24 0.5	1.359	2.328	5.3	21.1
1 22	6 26.29	+24 0.6	1.381	2.310	10.4	21.4
2 1	6 18.72	+23 56.7	1.427	2.291	15.0	21.6
2 11	6 14.57	+23 50.4	1.492	2.273	18.9	21.8

109583 2001 QP_{275} 1 2.2 174°.12 4°.2/ 3.2 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 9.08	+ 9 7.6	2.420	3.244	11.1	19.6
12 13	7 3.27	+ 8 51.5	2.348	3.245	8.4	19.4
12 23	6 55.95	+ 8 45.5	2.302	3.246	5.8	19.2
1 2	6 47.78	+ 8 50.2	2.284	3.247	4.3	19.1
1 12	6 39.58	+ 9 5.2	2.296	3.247	5.3	19.2
1 22	6 32.15	+ 9 29.0	2.337	3.247	7.8	19.4
2 1	6 26.18	+ 9 59.5	2.405	3.247	10.5	19.5
2 11	6 22.18	+10 34.4	2.495	3.247	12.9	19.7

8513 1991 PK_{11} 1 2.2 10°.50 2°.8/ 2.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.63	+29 53.3	1.391	2.261	15.0	16.3
12 13	7 7.42	+29 53.7	1.334	2.263	10.7	16.1
12 23	6 58.39	+29 47.5	1.300	2.267	6.0	15.8
1 2	6 47.82	+29 31.1	1.291	2.271	2.8	15.6
1 12	6 37.40	+29 3.4	1.310	2.277	6.0	15.8
1 22	6 28.71	+28 26.3	1.354	2.283	10.6	16.1
2 1	6 22.91	+27 43.8	1.422	2.290	14.8	16.4
2 11	6 20.60	+26 59.8	1.509	2.298	18.3	16.6

204388 2004 TV_{143} 1 2.2 251°.98 1°.7/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.53	+26 8.7	1.708	2.564	13.4	20.7
12 13	7 9.37	+26 35.7	1.625	2.549	9.5	20.4
12 23	6 59.48	+27 2.2	1.567	2.534	5.2	20.1
1 2	6 47.85	+27 23.9	1.537	2.518	1.7	19.9
1 12	6 35.91	+27 37.4	1.536	2.502	5.3	20.1
1 22	6 25.17	+27 41.6	1.562	2.485	10.0	20.3
2 1	6 16.91	+27 37.8	1.614	2.468	14.1	20.5
2 11	6 11.94	+27 28.7	1.686	2.450	17.7	20.7

76113 2000 DE_{107} 1 2.2 140°.06 2°.6/ 1.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.68	+30 3.0	2.367	3.215	10.4	19.4
12 13	7 5.98	+30 40.2	2.302	3.221	7.5	19.2
12 23	6 57.42	+31 13.8	2.264	3.226	4.4	19.0
1 2	6 47.81	+31 40.2	2.255	3.230	2.6	18.9
1 12	6 38.18	+31 56.9	2.277	3.235	4.6	19.0
1 22	6 29.52	+32 3.6	2.327	3.240	7.7	19.2
2 1	6 22.69	+32 1.3	2.405	3.244	10.6	19.4
2 11	6 18.24	+31 52.5	2.505	3.248	13.1	19.6

460567 2014 TF_{75} 1 2.2 250°.75 6°.5/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.71	+ 5 35.4	1.979	2.798	13.4	21.2
12 13	7 4.69	+ 4 53.8	1.905	2.792	10.6	21.0
12 23	6 56.80	+ 4 26.2	1.855	2.787	8.0	20.8
1 2	6 47.80	+ 4 15.2	1.832	2.781	6.5	20.7
1 12	6 38.71	+ 4 21.3	1.837	2.776	7.5	20.8
1 22	6 30.54	+ 4 42.9	1.870	2.770	10.0	20.9
2 1	6 24.16	+ 5 17.4	1.927	2.764	12.9	21.1
2 11	6 20.15	+ 6 0.6	2.005	2.759	15.6	21.3

108596 2001 MR_{15} 1 2.2 145°.57 1°.3/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 15.01	+26 19.8	1.983	2.835	12.0	20.3
12 13	7 7.75	+26 34.1	1.919	2.841	8.4	20.1
12 23	6 58.37	+26 46.5	1.880	2.847	4.5	19.8
1 2	6 47.83	+26 54.1	1.871	2.853	1.3	19.6
1 12	6 37.33	+26 55.1	1.892	2.858	4.5	19.9
1 22	6 28.04	+26 49.5	1.941	2.863	8.4	20.1
2 1	6 20.89	+26 38.7	2.017	2.867	11.9	20.3
2 11	6 16.47	+26 24.8	2.114	2.872	14.8	20.5

328947 2010 VJ_{69} 1 2.2 41°.88 1°.4/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.66	+18 4.0	1.418	2.282	15.2	20.5
12 13	7 6.46	+18 30.0	1.372	2.299	10.7	20.3
12 23	6 57.80	+19 4.1	1.349	2.317	5.7	20.0
1 2	6 47.82	+19 43.0	1.353	2.335	1.4	19.8
1 12	6 38.01	+20 22.9	1.384	2.354	5.1	20.1
1 22	6 29.73	+21 0.9	1.441	2.373	9.8	20.4
2 1	6 24.02	+21 35.4	1.523	2.393	13.9	20.7
2 11	6 21.45	+22 5.6	1.624	2.412	17.3	21.0

61103 2000 LP_{30} 1 2.2 84°.99 7°.7/ 4.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.06	− 0 2.6	1.878	2.674	14.9	18.9
12 13	7 5.49	− 0 7.6	1.828	2.695	12.1	18.8
12 23	6 57.12	+ 0 8.9	1.801	2.715	9.4	18.7
1 2	6 47.81	+ 0 47.7	1.800	2.736	7.8	18.6
1 12	6 38.63	+ 1 46.5	1.827	2.756	8.2	18.7
1 22	6 30.56	+ 3 0.9	1.881	2.776	10.3	18.8
2 1	6 24.42	+ 4 25.1	1.961	2.796	12.8	19.1
2 11	6 20.70	+ 5 53.4	2.063	2.815	15.2	19.3

232249 2002 PT_{24} 1 2.2 40°.30 5°.4/ 4.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 9.60	+ 5 34.5	2.008	2.828	13.2	20.0
12 13	7 3.88	+ 5 49.6	1.941	2.832	10.2	19.9
12 23	6 56.36	+ 6 21.4	1.898	2.837	7.3	19.7
1 2	6 47.82	+ 7 9.5	1.883	2.841	5.4	19.6
1 12	6 39.23	+ 8 11.5	1.896	2.846	6.3	19.6
1 22	6 31.56	+ 9 23.6	1.938	2.851	8.9	19.8
2 1	6 25.62	+10 41.1	2.006	2.857	11.9	20.0
2 11	6 21.98	+11 59.8	2.097	2.862	14.6	20.2

76379 2000 EA_{190} 1 2.2 163°.88 0°.4/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.89	+20 59.6	2.412	3.259	10.3	20.0
12 13	7 4.60	+21 9.3	2.341	3.261	7.2	19.8
12 23	6 56.68	+21 21.3	2.297	3.264	3.8	19.6
1 2	6 47.84	+21 34.2	2.283	3.266	0.4	19.4
1 12	6 38.98	+21 46.3	2.300	3.268	3.6	19.6
1 22	6 30.97	+21 57.0	2.346	3.270	7.0	19.8
2 1	6 24.58	+22 5.9	2.419	3.271	10.1	20.0
2 11	6 20.31	+22 13.3	2.516	3.272	12.7	20.2

432085 2008 YK_{144} 1 2.2 9°.22 0°.8/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 9.49	+19 59.9	1.758	2.619	12.8	21.0
12 13	7 4.07	+20 10.4	1.694	2.621	9.0	20.7
12 23	6 56.55	+20 25.6	1.656	2.624	4.8	20.5
1 2	6 47.84	+20 43.5	1.644	2.627	0.9	20.2
1 12	6 39.12	+21 2.1	1.662	2.631	4.5	20.5
1 22	6 31.54	+21 19.9	1.706	2.636	8.7	20.8
2 1	6 26.04	+21 36.0	1.776	2.642	12.4	21.0
2 11	6 23.20	+21 50.3	1.866	2.648	15.6	21.2

25832 Van Scoyoc 1 2.2 81°.32 3°.5/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.07	+11 40.8	2.116	2.952	12.0	19.4
12 13	7 4.11	+11 44.9	2.054	2.962	8.9	19.2
12 23	6 56.44	+11 59.4	2.017	2.971	5.6	19.0
1 2	6 47.84	+12 23.6	2.009	2.981	3.5	18.9
1 12	6 39.26	+12 55.8	2.030	2.991	4.9	19.0
1 22	6 31.62	+13 33.6	2.080	3.000	8.0	19.2
2 1	6 25.68	+14 14.8	2.156	3.010	11.1	19.5
2 11	6 21.97	+14 57.1	2.255	3.019	13.8	19.7

295865 2008 WJ_{11} 1 2.2 32°.16 2°.0/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.92	+24 45.6	1.244	2.118	16.2	20.3
12 13	7 8.61	+25 36.8	1.192	2.124	11.4	20.0
12 23	6 59.16	+26 30.0	1.161	2.131	6.1	19.7
1 2	6 47.89	+27 18.6	1.157	2.138	2.0	19.5
1 12	6 36.63	+27 57.1	1.178	2.146	6.2	19.8
1 22	6 27.16	+28 23.2	1.225	2.155	11.4	20.1
2 1	6 20.81	+28 38.0	1.294	2.164	15.9	20.4
2 11	6 18.28	+28 44.0	1.382	2.173	19.6	20.7

295834 2008 VC_{1} 1 2.2 43°.49 3°.6/ 3.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.35	+12 49.8	1.775	2.622	13.4	19.9
12 13	7 4.46	+12 45.9	1.724	2.638	9.8	19.7
12 23	6 56.66	+12 52.9	1.698	2.656	6.1	19.5
1 2	6 47.85	+13 10.1	1.699	2.673	3.6	19.4
1 12	6 39.17	+13 35.8	1.729	2.691	5.3	19.6
1 22	6 31.67	+14 7.5	1.786	2.710	8.8	19.8
2 1	6 26.17	+14 42.8	1.868	2.728	12.2	20.1
2 11	6 23.19	+15 19.3	1.972	2.747	15.1	20.3

220939 2005 JO_{92} 1 2.2 103°.66 0°.5/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.81	+24 52.5	1.419	2.277	15.5	20.1
12 13	7 12.14	+24 43.1	1.370	2.296	10.9	19.9
12 23	7 0.72	+24 32.0	1.345	2.314	5.6	19.6
1 2	6 47.94	+24 16.5	1.348	2.331	0.5	19.3
1 12	6 35.52	+23 56.0	1.380	2.349	5.3	19.7
1 22	6 25.03	+23 31.9	1.438	2.365	10.3	20.0
2 1	6 17.55	+23 6.8	1.522	2.382	14.5	20.3
2 11	6 13.60	+22 43.0	1.625	2.397	17.9	20.6

428490 2007 VZ_{203} 1 2.2 219°.58 4°.2/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 8.68	+ 9 11.8	2.499	3.322	10.8	21.4
12 13	7 2.99	+ 8 48.9	2.423	3.320	8.2	21.2
12 23	6 55.84	+ 8 35.5	2.373	3.317	5.7	21.0
1 2	6 47.85	+ 8 32.5	2.352	3.314	4.2	20.9
1 12	6 39.81	+ 8 39.7	2.361	3.311	5.3	21.0
1 22	6 32.50	+ 8 55.9	2.399	3.307	7.7	21.1
2 1	6 26.60	+ 9 19.6	2.463	3.304	10.3	21.3
2 11	6 22.60	+ 9 48.4	2.550	3.301	12.7	21.5

304866 2007 RU_{114} 1 2.2 150°.23 0°.2/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.32	+22 9.4	1.952	2.800	12.3	22.1
12 13	7 8.62	+22 14.6	1.888	2.809	8.7	21.9
12 23	6 58.84	+22 21.2	1.851	2.818	4.5	21.7
1 2	6 47.91	+22 27.1	1.843	2.826	0.2	21.3
1 12	6 37.04	+22 30.7	1.865	2.833	4.3	21.7
1 22	6 27.40	+22 31.6	1.917	2.840	8.4	22.0
2 1	6 19.90	+22 30.4	1.995	2.846	11.9	22.2
2 11	6 15.12	+22 28.1	2.095	2.851	14.9	22.4

468918 2014 VK_{21} 1 2.2 302°.00 5°.4/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.14	+10 38.3	1.802	2.641	13.6	20.2
12 13	7 5.26	+ 9 47.2	1.719	2.624	10.4	19.9
12 23	6 57.23	+ 9 5.9	1.660	2.608	7.2	19.7
1 2	6 47.88	+ 8 36.9	1.628	2.592	5.4	19.6
1 12	6 38.34	+ 8 21.5	1.624	2.576	6.9	19.6
1 22	6 29.76	+ 8 19.7	1.647	2.560	10.3	19.8
2 1	6 23.15	+ 8 30.0	1.695	2.545	13.8	20.0
2 11	6 19.19	+ 8 49.6	1.763	2.529	16.9	20.1

245735 2006 DM_{83} 1 2.2 198°.16 1°.2/ 2.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.79	+25 58.0	2.078	2.925	11.7	22.2
12 13	7 9.06	+26 13.0	2.002	2.922	8.3	22.0
12 23	6 59.14	+26 26.5	1.952	2.918	4.4	21.8
1 2	6 47.94	+26 35.4	1.931	2.913	1.2	21.5
1 12	6 36.66	+26 37.9	1.941	2.907	4.4	21.7
1 22	6 26.48	+26 33.5	1.981	2.901	8.4	22.0
2 1	6 18.39	+26 23.8	2.047	2.893	11.9	22.2
2 11	6 13.03	+26 10.7	2.136	2.885	14.9	22.4

304786 2007 ME_{26} 1 2.2 143°.79 1°.7/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.04	+25 18.3	1.779	2.632	13.1	20.9
12 13	7 9.43	+26 5.6	1.717	2.641	9.2	20.7
12 23	6 59.40	+26 53.3	1.682	2.649	4.9	20.5
1 2	6 47.95	+27 36.2	1.675	2.657	1.7	20.3
1 12	6 36.47	+28 10.4	1.699	2.664	5.1	20.5
1 22	6 26.32	+28 34.5	1.750	2.671	9.2	20.8
2 1	6 18.57	+28 49.1	1.828	2.677	13.0	21.0
2 11	6 13.89	+28 56.4	1.926	2.683	16.0	21.2

167550 2004 BK_{3} 1 2.2 349°.23 0°.1/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 9.91	+22 56.5	1.667	2.533	13.2	19.8
12 13	7 4.57	+23 2.5	1.596	2.526	9.3	19.5
12 23	6 56.92	+23 10.5	1.550	2.519	4.8	19.3
1 2	6 47.90	+23 18.0	1.530	2.514	0.2	18.9
1 12	6 38.79	+23 23.3	1.539	2.509	4.7	19.2
1 22	6 30.87	+23 25.6	1.574	2.505	9.2	19.5
2 1	6 25.18	+23 25.2	1.634	2.502	13.2	19.7
2 11	6 22.38	+23 22.8	1.714	2.500	16.6	19.9

237365 1994 EA_{5} 1 2.2 80°.90 5°.9/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 8.97	+ 4 18.6	2.217	3.028	12.4	20.4
12 13	7 3.29	+ 4 5.8	2.153	3.034	9.8	20.2
12 23	6 56.02	+ 4 8.0	2.112	3.041	7.3	20.1
1 2	6 47.88	+ 4 26.0	2.100	3.048	5.9	20.0
1 12	6 39.74	+ 4 58.9	2.116	3.055	6.6	20.1
1 22	6 32.44	+ 5 44.2	2.159	3.061	8.8	20.2
2 1	6 26.71	+ 6 38.6	2.229	3.068	11.3	20.4
2 11	6 23.06	+ 7 38.0	2.321	3.075	13.7	20.6

210209 2007 QC_{8} 1 2.2 150°.85 0°.2/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.15	+22 19.9	1.896	2.746	12.6	20.9
12 13	7 8.61	+22 40.4	1.833	2.755	8.8	20.7
12 23	6 58.89	+23 2.9	1.795	2.763	4.6	20.5
1 2	6 47.94	+23 24.4	1.787	2.770	0.2	20.1
1 12	6 37.02	+23 42.6	1.808	2.777	4.4	20.5
1 22	6 27.31	+23 56.2	1.859	2.783	8.6	20.8
2 1	6 19.80	+24 5.7	1.936	2.788	12.2	21.0
2 11	6 15.09	+24 11.9	2.035	2.793	15.2	21.2

62726 2000 TN_{55} 1 2.2 136°.48 1°.0/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 10.56	+16 14.2	2.741	3.577	9.6	18.9
12 13	7 4.27	+17 8.0	2.669	3.583	6.8	18.7
12 23	6 56.52	+18 8.4	2.625	3.588	3.7	18.5
1 2	6 47.90	+19 12.8	2.612	3.594	1.0	18.3
1 12	6 39.18	+20 18.0	2.632	3.600	3.3	18.5
1 22	6 31.14	+21 21.4	2.683	3.605	6.4	18.7
2 1	6 24.46	+22 20.9	2.763	3.610	9.2	18.9
2 11	6 19.64	+23 15.4	2.868	3.615	11.5	19.1

497466 2005 YT_{137} 1 2.2 73°.69 0°.2/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.78	+20 36.1	1.892	2.745	12.4	21.0
12 13	7 6.35	+21 32.7	1.828	2.751	8.7	20.8
12 23	6 57.77	+22 34.8	1.790	2.758	4.5	20.6
1 2	6 47.92	+23 38.0	1.781	2.764	0.2	20.2
1 12	6 37.98	+24 37.7	1.802	2.771	4.4	20.6
1 22	6 29.12	+25 30.9	1.852	2.777	8.5	20.8
2 1	6 22.31	+26 16.2	1.928	2.783	12.1	21.1
2 11	6 18.20	+26 53.6	2.026	2.790	15.1	21.3

124246 2001 PW_{65} 1 2.2 133°.10 2°.4/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.08	+16 24.5	1.604	2.454	14.5	20.7
12 13	7 8.74	+16 28.2	1.545	2.464	10.4	20.5
12 23	6 59.02	+16 40.1	1.509	2.473	5.9	20.2
1 2	6 47.95	+16 58.6	1.502	2.482	2.4	20.0
1 12	6 36.93	+17 21.6	1.523	2.490	5.2	20.2
1 22	6 27.30	+17 46.8	1.572	2.498	9.6	20.5
2 1	6 20.10	+18 12.9	1.646	2.505	13.6	20.8
2 11	6 15.95	+18 38.8	1.741	2.512	16.9	21.0

258726 2002 GT_{98} 1 2.2 218°.09 3°.7/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.99	+13 8.4	1.949	2.786	12.8	21.2
12 13	7 7.11	+12 49.4	1.869	2.778	9.5	21.0
12 23	6 58.15	+12 39.1	1.815	2.770	6.0	20.8
1 2	6 47.93	+12 37.9	1.788	2.761	3.7	20.6
1 12	6 37.58	+12 45.2	1.792	2.752	5.5	20.7
1 22	6 28.21	+12 59.9	1.824	2.742	9.1	20.9
2 1	6 20.78	+13 20.5	1.882	2.732	12.6	21.1
2 11	6 15.93	+13 45.2	1.962	2.721	15.7	21.3

113255 2002 RA_{137} 1 2.2 39°.76 4°.3/ 1.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.12	+34 29.1	2.008	2.857	12.0	19.4
12 13	7 7.32	+35 4.7	1.947	2.861	8.9	19.2
12 23	6 58.26	+35 32.3	1.911	2.866	5.8	19.1
1 2	6 47.93	+35 47.3	1.903	2.870	4.3	19.0
1 12	6 37.64	+35 47.3	1.924	2.875	6.1	19.1
1 22	6 28.63	+35 32.8	1.972	2.880	9.2	19.3
2 1	6 21.88	+35 6.9	2.046	2.885	12.2	19.5
2 11	6 18.00	+34 33.3	2.141	2.890	14.9	19.7

481901 2009 BS_{1} 1 2.2 147°.41 2°.2/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 22.49	+11 53.5	1.436	2.272	16.6	21.1
12 13	7 13.66	+13 30.0	1.372	2.284	12.1	20.8
12 23	7 1.78	+15 26.3	1.333	2.295	6.8	20.5
1 2	6 48.01	+17 34.7	1.324	2.305	2.3	20.3
1 12	6 34.03	+19 45.2	1.345	2.313	5.6	20.5
1 22	6 21.54	+21 48.5	1.397	2.321	10.8	20.8
2 1	6 11.95	+23 38.7	1.475	2.328	15.3	21.1
2 11	6 6.05	+25 14.1	1.575	2.334	18.9	21.4

200617 2001 ST_{50} 1 2.2 150°.08 1°.2/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.55	+24 13.8	1.741	2.594	13.4	20.4
12 13	7 9.80	+24 50.9	1.680	2.603	9.4	20.2
12 23	6 59.59	+25 29.0	1.643	2.611	4.9	20.0
1 2	6 47.96	+26 3.6	1.635	2.618	1.2	19.7
1 12	6 36.33	+26 31.2	1.657	2.624	4.9	20.0
1 22	6 26.05	+26 50.5	1.708	2.630	9.3	20.3
2 1	6 18.23	+27 2.1	1.784	2.636	13.1	20.5
2 11	6 13.50	+27 8.0	1.881	2.640	16.3	20.8

181621 2006 WC_{173} 1 2.2 59°.56 0°.6/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.80	+23 6.6	1.633	2.494	13.7	20.0
12 13	7 7.21	+23 33.8	1.576	2.504	9.6	19.8
12 23	6 58.24	+24 3.1	1.544	2.513	5.0	19.6
1 2	6 47.94	+24 30.8	1.540	2.523	0.6	19.3
1 12	6 37.69	+24 53.9	1.564	2.533	4.8	19.6
1 22	6 28.82	+25 11.0	1.615	2.543	9.3	19.9
2 1	6 22.36	+25 22.4	1.692	2.553	13.2	20.1
2 11	6 18.93	+25 29.2	1.789	2.563	16.4	20.4

363580 2004 BE_{159} 1 2.2 170°.81 1°.2/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.69	+26 1.2	2.364	3.209	10.6	22.4
12 13	7 7.33	+26 18.6	2.293	3.213	7.4	22.2
12 23	6 58.15	+26 34.5	2.250	3.216	3.9	22.0
1 2	6 47.95	+26 46.3	2.238	3.219	1.2	21.8
1 12	6 37.74	+26 52.5	2.256	3.222	4.0	22.0
1 22	6 28.51	+26 52.5	2.304	3.223	7.4	22.2
2 1	6 21.09	+26 47.5	2.380	3.224	10.5	22.4
2 11	6 16.04	+26 38.9	2.479	3.224	13.1	22.6

315609 2008 CN_{180} 1 2.2 304.°83 1.°6/ 2.2 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 16.40	+28 25.3	1.554	2.415	14.2	20.6
12 13	7 9.46	+28 3.1	1.468	2.395	10.2	20.3
12 23	6 59.63	+27 34.0	1.406	2.374	5.6	20.0
1 2	6 47.98	+26 55.5	1.372	2.354	1.6	19.7
1 12	6 36.13	+26 7.3	1.365	2.333	5.5	19.9
1 22	6 25.69	+25 11.8	1.386	2.313	10.5	20.1
2 1	6 17.98	+24 13.6	1.431	2.294	15.1	20.3
2 11	6 13.78	+23 16.7	1.496	2.275	18.9	20.5

334170 2001 SQ_{122} 1 2.2 132.°94 5.°6/ 1.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.06	+43 9.0	2.751	3.565	10.2	21.0
12 13	7 8.97	+43 41.0	2.695	3.577	8.1	20.9
12 23	6 58.97	+44 0.6	2.664	3.587	6.3	20.8
1 2	6 47.97	+44 3.9	2.663	3.598	5.6	20.8
1 12	6 37.11	+43 49.6	2.691	3.608	6.5	20.8
1 22	6 27.44	+43 19.0	2.747	3.618	8.3	21.0
2 1	6 19.81	+42 35.5	2.829	3.627	10.4	21.1
2 11	6 14.72	+41 43.6	2.934	3.636	12.2	21.3

368993 2007 FR_2 1 2.2 3.°39 20.°5/11.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.61	−17 43.7	0.962	1.726	28.0	19.4
12 13	7 6.69	−18 19.7	0.911	1.724	25.6	19.3
12 23	6 58.38	−17 57.3	0.872	1.723	23.2	19.1
1 2	6 47.96	−16 25.5	0.847	1.724	21.2	19.0
1 12	6 37.36	−13 43.5	0.840	1.725	20.5	18.9
1 22	6 28.53	−10 3.3	0.851	1.728	21.3	19.0
2 1	6 23.01	− 5 46.0	0.882	1.731	23.3	19.1
2 11	6 21.64	− 1 16.6	0.931	1.736	26.0	19.3

178889 2001 OC_{34} 1 2.2 182.°75 0.°0/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.15	+19 57.5	1.992	2.840	12.1	20.5
12 13	7 7.29	+20 51.2	1.920	2.841	8.5	20.3
12 23	6 58.28	+21 50.8	1.874	2.841	4.5	20.0
1 2	6 47.96	+22 52.3	1.857	2.841	0.1	19.6
1 12	6 37.47	+23 51.5	1.872	2.840	4.3	20.0
1 22	6 27.97	+24 45.2	1.916	2.839	8.4	20.3
2 1	6 20.45	+25 31.8	1.986	2.838	12.0	20.5
2 11	6 15.58	+26 11.2	2.079	2.836	15.0	20.7

112450 2002 OF_8 1 2.2 216.°90 1.°6/ 2.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.62	+27 23.5	1.982	2.832	12.1	20.3
12 13	7 9.05	+27 29.7	1.904	2.825	8.6	20.0
12 23	6 59.20	+27 32.6	1.852	2.818	4.7	19.8
1 2	6 48.00	+27 29.4	1.828	2.810	1.6	19.6
1 12	6 36.72	+27 18.5	1.835	2.801	4.7	19.8
1 22	6 26.60	+27 0.4	1.871	2.792	8.7	20.0
2 1	6 18.69	+26 36.9	1.934	2.783	12.4	20.2
2 11	6 13.63	+26 10.9	2.018	2.773	15.4	20.4

101048 1998 QM_{101} 1 2.2 45.°16 0.°5/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.17	+20 20.8	1.210	2.081	16.7	19.0
12 13	7 8.72	+20 48.3	1.159	2.090	11.8	18.7
12 23	6 59.22	+21 22.7	1.130	2.099	6.2	18.5
1 2	6 48.00	+21 59.5	1.126	2.109	0.5	18.1
1 12	6 36.86	+22 34.3	1.148	2.119	5.7	18.5
1 22	6 27.51	+23 4.4	1.196	2.130	11.2	18.8
2 1	6 21.25	+23 29.1	1.266	2.141	15.9	19.1
2 11	6 18.71	+23 48.7	1.356	2.152	19.6	19.4

398654 2012 TV_{252} 1 2.2 289.°54 4.°4/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.93	+32 2.7	1.321	2.185	16.0	21.0
12 13	7 11.66	+32 26.5	1.252	2.177	11.7	20.7
12 23	7 0.91	+32 41.9	1.206	2.169	7.1	20.4
1 2	6 48.04	+32 42.3	1.186	2.161	4.4	20.2
1 12	6 35.04	+32 24.2	1.192	2.153	7.3	20.4
1 22	6 23.91	+31 49.2	1.223	2.146	12.1	20.6
2 1	6 16.16	+31 2.8	1.277	2.138	16.7	20.9
2 11	6 12.56	+30 11.3	1.349	2.131	20.5	21.1

39035 2000 UH_{78} 1 2.2 5.°09 0.°5/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.57	+21 46.3	1.842	2.698	12.6	19.3
12 13	7 6.20	+21 44.1	1.774	2.698	8.9	19.1
12 23	6 57.69	+21 43.9	1.731	2.698	4.7	18.8
1 2	6 47.98	+21 44.2	1.716	2.699	0.5	18.5
1 12	6 38.25	+21 43.5	1.730	2.699	4.4	18.8
1 22	6 29.68	+21 41.6	1.772	2.700	8.6	19.1
2 1	6 23.22	+21 38.8	1.840	2.700	12.4	19.3
2 11	6 19.47	+21 35.6	1.929	2.701	15.5	19.5

242785 2005 YA_{163} 1 2.2 43.°90 1.°2/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.71	+18 27.0	1.807	2.661	12.9	20.6
12 13	7 5.60	+18 45.8	1.743	2.666	9.1	20.3
12 23	6 57.39	+19 10.9	1.704	2.671	4.9	20.1
1 2	6 47.97	+19 40.0	1.693	2.675	1.2	19.9
1 12	6 38.53	+20 10.6	1.711	2.680	4.5	20.1
1 22	6 30.21	+20 40.4	1.757	2.686	8.6	20.4
2 1	6 23.97	+21 8.3	1.829	2.691	12.4	20.6
2 11	6 20.40	+21 33.6	1.922	2.696	15.4	20.8

346273 2008 GB_{82} 1 2.2 196.°53 0.°7/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 18.13	+23 5.2	1.658	2.511	13.9	22.1
12 13	7 10.45	+23 39.5	1.585	2.509	9.8	21.8
12 23	7 0.07	+24 16.4	1.538	2.506	5.1	21.6
1 2	6 48.04	+24 51.7	1.520	2.502	0.7	21.2
1 12	6 35.82	+25 21.4	1.530	2.498	5.1	21.5
1 22	6 24.93	+25 43.6	1.569	2.493	9.8	21.8
2 1	6 16.57	+25 58.7	1.633	2.487	14.0	22.0
2 11	6 11.51	+26 8.3	1.718	2.481	17.4	22.3

147007 2002 PD_{127} 1 2.2 111.°51 1.°5/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.40	+17 9.9	1.559	2.408	14.9	19.9
12 13	7 10.36	+17 40.4	1.509	2.429	10.5	19.7
12 23	6 59.86	+18 19.1	1.484	2.449	5.7	19.5
1 2	6 48.05	+19 2.5	1.487	2.469	1.6	19.2
1 12	6 36.40	+19 46.5	1.520	2.488	5.0	19.5
1 22	6 26.30	+20 28.3	1.580	2.507	9.6	19.8
2 1	6 18.79	+21 6.4	1.666	2.524	13.6	20.1
2 11	6 14.45	+21 40.2	1.773	2.541	16.8	20.4

464891 2005 PA_4 1 2.2 217.°73 4.°6/ 4.2 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 8.30	+ 2 40.1	3.301	4.087	9.3	22.2
12 13	7 2.53	+ 2 49.1	3.211	4.077	7.4	22.0
12 23	6 55.60	+ 3 9.9	3.148	4.066	5.6	21.9
1 2	6 47.96	+ 3 42.7	3.114	4.055	4.6	21.8
1 12	6 40.23	+ 4 26.6	3.111	4.044	5.1	21.8
1 22	6 32.98	+ 5 19.8	3.139	4.032	6.7	21.9
2 1	6 26.76	+ 6 19.7	3.195	4.019	8.6	22.0
2 11	6 22.00	+ 7 23.6	3.277	4.006	10.5	22.2

221355 2005 WS_{119} 1 2.2 347.°24 4.°7/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 9.01	+14 56.4	1.289	2.158	16.0	19.2
12 13	7 4.35	+14 3.3	1.220	2.145	11.9	18.9
12 23	6 57.00	+13 18.8	1.172	2.134	7.5	18.6
1 2	6 48.00	+12 45.5	1.149	2.124	4.7	18.4
1 12	6 38.86	+12 25.1	1.151	2.115	7.1	18.6
1 22	6 31.09	+12 17.6	1.178	2.108	11.7	18.8
2 1	6 25.91	+12 21.7	1.226	2.102	16.1	19.0
2 11	6 24.07	+12 34.7	1.293	2.099	19.9	19.3

337048 1996 TN_{30} 1 2.2 40.°60 2.°2/ 1.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.65	+25 46.3	1.071	1.950	17.8	21.2
12 13	7 10.07	+26 20.6	1.026	1.961	12.5	21.0
12 23	7 0.02	+26 54.5	1.003	1.973	6.7	20.7
1 2	6 48.07	+27 21.5	1.003	1.985	2.2	20.4
1 12	6 36.34	+27 37.4	1.029	1.998	6.7	20.8
1 22	6 26.79	+27 41.6	1.079	2.012	12.2	21.1
2 1	6 20.79	+27 36.5	1.150	2.026	17.0	21.4
2 11	6 18.93	+27 25.7	1.239	2.041	20.8	21.7

40529 1999 RC_{99} 1 2.2 180.°62 1.°4/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.27	+25 57.0	2.231	3.076	11.1	20.0
12 13	7 8.62	+26 29.7	2.159	3.078	7.8	19.8
12 23	6 58.93	+27 1.5	2.113	3.079	4.2	19.5
1 2	6 48.06	+27 29.1	2.098	3.079	1.4	19.3
1 12	6 37.10	+27 49.6	2.114	3.079	4.3	19.5
1 22	6 27.15	+28 2.3	2.160	3.077	7.9	19.8
2 1	6 19.15	+28 7.9	2.233	3.075	11.2	20.0
2 11	6 13.71	+28 8.1	2.329	3.072	13.9	20.2

228702 2002 QH_{66} 1 2.2 47.°40 1.°0/ 2.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.68	+19 42.4	1.136	2.009	17.4	20.2
12 13	7 9.15	+20 0.6	1.088	2.020	12.3	19.9
12 23	6 59.48	+20 26.3	1.062	2.031	6.5	19.7
1 2	6 48.07	+20 55.8	1.060	2.043	1.0	19.3
1 12	6 36.81	+21 25.0	1.085	2.056	5.9	19.7
1 22	6 27.48	+21 51.3	1.134	2.068	11.5	20.1
2 1	6 21.37	+22 13.9	1.205	2.082	16.3	20.4
2 11	6 19.10	+22 32.9	1.294	2.095	20.2	20.7

290723 2005 UZ_{437} 1 2.2 349.°24 4.°7/ 2.7 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.45	+13 11.9	1.483	2.339	15.1	19.7
12 13	7 5.06	+12 33.4	1.415	2.333	11.2	19.5
12 23	6 57.26	+12 5.6	1.370	2.328	7.2	19.2
1 2	6 48.03	+11 50.0	1.351	2.323	4.7	19.1
1 12	6 38.73	+11 46.9	1.358	2.320	6.7	19.2
1 22	6 30.68	+11 55.4	1.392	2.317	10.7	19.4
2 1	6 24.96	+12 13.4	1.448	2.315	14.7	19.6
2 11	6 22.26	+12 37.8	1.524	2.314	18.1	19.9

142967 2002 VT_{81} 1 2.2 36.°36 3.°3/ 2.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.14	+15 53.4	1.211	2.079	16.9	19.5
12 13	7 6.96	+15 40.6	1.175	2.101	12.1	19.3
12 23	6 58.15	+15 38.9	1.160	2.125	7.0	19.1
1 2	6 48.05	+15 47.2	1.170	2.149	3.3	18.9
1 12	6 38.31	+16 3.4	1.206	2.174	6.1	19.2
1 22	6 30.37	+16 25.0	1.267	2.200	10.8	19.5
2 1	6 25.27	+16 49.8	1.351	2.226	15.0	19.8
2 11	6 23.47	+17 15.5	1.454	2.253	18.4	20.1

168675 2000 FX_1 1 2.2 167°.29 0°.0/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 10.86	+22 19.2	2.665	3.509	9.5	21.2
12 13	7 4.53	+22 29.8	2.593	3.513	6.7	21.0
12 23	6 56.70	+22 41.5	2.549	3.516	3.5	20.8
1 2	6 48.03	+22 52.9	2.535	3.518	0.1	20.5
1 12	6 39.34	+23 2.6	2.553	3.521	3.3	20.8
1 22	6 31.44	+23 9.9	2.600	3.523	6.5	21.0
2 1	6 25.01	+23 14.9	2.676	3.524	9.4	21.2
2 11	6 20.55	+23 18.0	2.775	3.525	11.8	21.4

153126 2000 SQ_{128} 1 2.2 113°.35 4°.3/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.89	+ 9 22.6	2.186	3.010	12.1	20.1
12 13	7 5.31	+ 9 13.5	2.129	3.027	9.1	20.0
12 23	6 57.10	+ 9 15.7	2.097	3.043	6.1	19.8
1 2	6 48.04	+ 9 29.2	2.094	3.059	4.3	19.7
1 12	6 39.05	+ 9 52.8	2.121	3.074	5.4	19.8
1 22	6 31.02	+10 24.6	2.176	3.089	8.2	20.0
2 1	6 24.70	+11 2.0	2.259	3.103	11.0	20.2
2 11	6 20.55	+11 42.5	2.364	3.117	13.5	20.4

293373 2007 ER_{19} 1 2.2 99°.80 2°.5/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.41	+15 24.4	1.957	2.801	12.5	21.1
12 13	7 5.88	+15 25.5	1.897	2.813	9.0	20.9
12 23	6 57.48	+15 34.3	1.864	2.825	5.2	20.7
1 2	6 48.04	+15 49.6	1.858	2.837	2.5	20.6
1 12	6 38.67	+16 10.0	1.883	2.848	4.6	20.7
1 22	6 30.39	+16 33.7	1.935	2.859	8.3	21.0
2 1	6 24.04	+16 59.1	2.014	2.870	11.6	21.2
2 11	6 20.14	+17 25.0	2.116	2.881	14.5	21.4

87276 2000 PE_9 1 2.2 195°.31 8°.4/30.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 21.55	+52 53.3	2.759	3.532	11.2	19.6
12 13	7 12.67	+53 50.2	2.699	3.531	9.8	19.5
12 23	7 1.16	+54 29.7	2.662	3.529	8.7	19.5
1 2	6 48.13	+54 46.1	2.652	3.526	8.4	19.4
1 12	6 35.08	+54 37.0	2.669	3.524	9.1	19.5
1 22	6 23.48	+54 3.7	2.710	3.521	10.4	19.6
2 1	6 14.48	+53 10.8	2.776	3.518	11.9	19.7
2 11	6 8.74	+52 4.6	2.861	3.514	13.4	19.8

44503 1998 XR_{27} 1 2.2 47°.63 1°.3/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.96	+21 53.8	1.477	2.339	14.8	17.4
12 13	7 8.73	+21 11.2	1.424	2.350	10.4	17.2
12 23	6 59.03	+20 29.4	1.395	2.363	5.6	16.9
1 2	6 48.08	+19 48.6	1.393	2.375	1.3	16.7
1 12	6 37.40	+19 9.9	1.419	2.388	5.2	17.0
1 22	6 28.36	+18 35.0	1.473	2.402	9.9	17.3
2 1	6 21.97	+18 5.3	1.550	2.415	14.0	17.6
2 11	6 18.75	+17 41.3	1.648	2.429	17.3	17.8

43330 2000 OQ_{30} 1 2.2 243°.22 4°.3/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.27	+12 7.9	1.700	2.541	14.2	19.2
12 13	7 7.63	+11 51.1	1.620	2.530	10.6	18.9
12 23	6 58.60	+11 45.5	1.563	2.518	6.8	18.7
1 2	6 48.08	+11 51.8	1.533	2.505	4.3	18.5
1 12	6 37.32	+12 9.1	1.532	2.492	6.2	18.6
1 22	6 27.63	+12 35.5	1.559	2.479	10.2	18.8
2 1	6 20.11	+13 8.8	1.610	2.466	14.1	19.0
2 11	6 15.51	+13 46.2	1.682	2.452	17.5	19.2

17113 1999 JE_{54} 1 2.2 181°.53 0°.2/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.04	+22 52.9	2.810	3.655	9.1	19.4
12 13	7 3.93	+23 7.0	2.736	3.656	6.4	19.2
12 23	6 56.39	+23 22.0	2.689	3.656	3.3	19.0
1 2	6 48.03	+23 36.2	2.672	3.656	0.2	18.7
1 12	6 39.63	+23 48.4	2.687	3.655	3.2	19.0
1 22	6 31.96	+23 57.8	2.733	3.655	6.2	19.2
2 1	6 25.67	+24 4.4	2.806	3.653	9.0	19.4
2 11	6 21.24	+24 8.6	2.903	3.652	11.3	19.5

245315 2005 EP_{61} 1 2.2 329°.60 4°.9/ 3.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 9.31	+ 8 29.8	2.077	2.906	12.5	20.3
12 13	7 3.73	+ 8 15.5	2.005	2.903	9.6	20.2
12 23	6 56.39	+ 8 13.7	1.957	2.901	6.6	20.0
1 2	6 48.03	+ 8 25.2	1.936	2.898	4.9	19.9
1 12	6 39.60	+ 8 49.1	1.944	2.896	6.0	19.9
1 22	6 32.04	+ 9 23.5	1.980	2.894	8.8	20.1
2 1	6 26.15	+10 5.4	2.042	2.892	11.8	20.3
2 11	6 22.50	+10 51.9	2.126	2.890	14.5	20.5

498920 2009 BO_{14} 1 2.2 329°.07 7°.7/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 21.53	+44 51.4	1.783	2.608	14.4	19.3
12 13	7 13.11	+44 45.8	1.697	2.586	11.6	19.1
12 23	7 1.52	+44 18.8	1.635	2.565	9.0	18.9
1 2	6 48.15	+43 24.1	1.600	2.544	7.7	18.8
1 12	6 34.92	+42 0.3	1.591	2.525	8.9	18.8
1 22	6 23.60	+40 12.2	1.611	2.506	11.7	18.9
2 1	6 15.50	+38 8.6	1.655	2.488	14.9	19.1
2 11	6 11.23	+35 59.2	1.720	2.470	17.9	19.3

388479 2007 ET_{29} 1 2.2 158°.37 0°.1/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 17.17	+21 52.7	1.703	2.556	13.6	21.5
12 13	7 9.60	+22 17.3	1.639	2.562	9.6	21.2
12 23	6 59.57	+22 45.0	1.600	2.567	5.0	21.0
1 2	6 48.11	+23 12.3	1.589	2.572	0.1	20.6
1 12	6 36.64	+23 36.1	1.608	2.576	4.8	21.0
1 22	6 26.50	+23 54.9	1.655	2.580	9.3	21.3
2 1	6 18.80	+24 8.9	1.728	2.583	13.3	21.5
2 11	6 14.17	+24 19.0	1.821	2.586	16.5	21.8

280963 2006 CJ_{23} 1 2.2 62°.83 0°.6/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.00	+22 49.6	1.223	2.089	16.9	19.9
12 13	7 11.68	+22 24.5	1.187	2.116	11.8	19.7
12 23	7 0.54	+22 0.5	1.174	2.143	6.1	19.5
1 2	6 48.13	+21 36.1	1.187	2.170	0.6	19.2
1 12	6 36.31	+21 11.5	1.228	2.198	5.6	19.6
1 22	6 26.67	+20 47.9	1.294	2.225	10.8	20.0
2 1	6 20.23	+20 27.1	1.383	2.252	15.1	20.3
2 11	6 17.40	+20 9.8	1.492	2.279	18.6	20.6

493401 2014 WT_{181} 1 2.2 146°.72 6°.1/31.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.18	+38 47.9	2.110	2.944	12.1	21.8
12 13	7 11.03	+40 0.0	2.053	2.952	9.4	21.6
12 23	7 0.34	+41 1.4	2.022	2.960	7.0	21.5
1 2	6 48.13	+41 45.2	2.019	2.967	6.1	21.5
1 12	6 35.85	+42 7.8	2.045	2.974	7.5	21.6
1 22	6 24.90	+42 9.4	2.099	2.980	10.1	21.7
2 1	6 16.44	+41 53.5	2.178	2.986	12.7	21.9
2 11	6 11.14	+41 25.5	2.277	2.992	15.0	22.1

298797 2004 QX_9 1 2.2 155°.25 1°.4/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.03	+25 34.2	1.970	2.817	12.3	21.8
12 13	7 9.97	+26 7.6	1.907	2.827	8.6	21.5
12 23	6 59.68	+26 40.2	1.870	2.836	4.6	21.3
1 2	6 48.12	+27 8.1	1.862	2.844	1.4	21.1
1 12	6 36.57	+27 28.3	1.886	2.851	4.6	21.4
1 22	6 26.26	+27 40.1	1.939	2.858	8.6	21.6
2 1	6 18.19	+27 44.6	2.018	2.863	12.1	21.8
2 11	6 12.96	+27 43.7	2.119	2.868	15.0	22.1

226006 2002 EZ_{18} 1 2.2 130°.29 2°.1/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.83	+16 20.9	2.060	2.905	11.9	21.4
12 13	7 5.48	+16 23.0	1.993	2.910	8.6	21.2
12 23	6 57.29	+16 31.6	1.953	2.915	4.9	21.0
1 2	6 48.06	+16 45.8	1.941	2.920	2.1	20.8
1 12	6 38.83	+17 4.0	1.958	2.925	4.4	21.0
1 22	6 30.59	+17 24.7	2.005	2.929	8.0	21.2
2 1	6 24.17	+17 46.7	2.078	2.934	11.4	21.4
2 11	6 20.13	+18 9.0	2.173	2.938	14.2	21.6

232031 2001 TF_{96} 1 2.2 129°.51 0°.3/ 2.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.19	+23 8.0	1.733	2.585	13.5	21.1
12 13	7 10.15	+23 19.3	1.677	2.599	9.5	20.9
12 23	6 59.76	+23 31.5	1.646	2.613	4.9	20.7
1 2	6 48.13	+23 41.6	1.644	2.627	0.3	20.3
1 12	6 36.64	+23 47.6	1.671	2.640	4.7	20.7
1 22	6 26.60	+23 49.2	1.727	2.652	9.0	21.0
2 1	6 19.01	+23 47.3	1.809	2.663	12.8	21.3
2 11	6 14.45	+23 43.4	1.912	2.674	16.0	21.5

220331 2003 FG_{124} 1 2.2 244°.80 1°.6/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.40	+18 9.9	1.903	2.753	12.5	20.6
12 13	7 6.09	+18 11.5	1.829	2.750	8.9	20.4
12 23	6 57.71	+18 18.7	1.781	2.746	4.9	20.2
1 2	6 48.09	+18 30.1	1.761	2.742	1.6	19.9
1 12	6 38.38	+18 44.1	1.770	2.738	4.5	20.1
1 22	6 29.71	+18 59.5	1.808	2.734	8.6	20.4
2 1	6 23.03	+19 15.4	1.871	2.730	12.3	20.6
2 11	6 18.97	+19 31.2	1.956	2.726	15.4	20.8

172973 2005 SR_{167} 1 2.2 92°.90 2°.3/ 3.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 8.24	+13 38.9	2.665	3.499	9.9	19.9
12 13	7 2.66	+13 51.7	2.599	3.508	7.2	19.7
12 23	6 55.73	+14 11.8	2.560	3.517	4.3	19.6
1 2	6 48.05	+14 38.0	2.550	3.526	2.3	19.4
1 12	6 40.36	+15 9.1	2.571	3.535	3.8	19.5
1 22	6 33.39	+15 43.1	2.622	3.543	6.5	19.7
2 1	6 27.76	+16 18.5	2.701	3.552	9.2	19.9
2 11	6 23.93	+16 53.9	2.804	3.561	11.5	20.1

104991 2000 JT_{84} 1 2.2 283°.45 5°.6/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 9.16	+ 6 25.2	2.206	3.025	12.2	19.7
12 13	7 3.59	+ 5 55.9	2.126	3.015	9.6	19.5
12 23	6 56.33	+ 5 39.2	2.070	3.005	7.0	19.3
1 2	6 48.06	+ 5 36.7	2.042	2.995	5.6	19.2
1 12	6 39.67	+ 5 48.5	2.043	2.985	6.5	19.2
1 22	6 32.06	+ 6 13.3	2.071	2.975	9.0	19.4
2 1	6 26.00	+ 6 48.5	2.125	2.965	11.8	19.5
2 11	6 22.07	+ 7 30.9	2.201	2.955	14.3	19.7

252223 2001 NX_5 1 2.2 113°.51 1°.7/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 16.70	+27 6.1	2.209	3.053	11.2	21.5
12 13	7 8.74	+27 33.9	2.158	3.077	7.9	21.4
12 23	6 58.91	+27 59.1	2.135	3.100	4.2	21.2
1 2	6 48.12	+28 18.5	2.142	3.123	1.7	21.0
1 12	6 37.50	+28 30.1	2.180	3.144	4.3	21.3
1 22	6 28.09	+28 33.7	2.248	3.165	7.7	21.5
2 1	6 20.69	+28 30.6	2.343	3.185	10.7	21.7
2 11	6 15.82	+28 23.0	2.461	3.204	13.3	22.0

241875 2001 UB_{92} 1 2.2 112°.94 6°.4/ 4.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 8.65	+ 0 49.0	2.623	3.410	11.4	20.4
12 13	7 2.89	+ 0 17.6	2.563	3.422	9.3	20.2
12 23	6 55.82	+ 0 0.6	2.527	3.434	7.4	20.1
1 2	6 48.05	− 0 0.5	2.520	3.446	6.4	20.1
1 12	6 40.32	+ 0 14.2	2.540	3.458	6.9	20.1
1 22	6 33.32	+ 0 43.0	2.589	3.469	8.4	20.2
2 1	6 27.66	+ 1 23.2	2.664	3.480	10.4	20.4
2 11	6 23.77	+ 2 11.1	2.761	3.491	12.3	20.6

492548 2014 ON_{110} 1 2.2 101°.69 3°.8/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.13	+10 0.6	1.856	2.686	13.7	21.3
12 13	7 7.13	+10 29.9	1.801	2.705	10.1	21.1
12 23	6 58.16	+11 13.1	1.771	2.723	6.4	20.9
1 2	6 48.11	+12 8.1	1.769	2.741	3.9	20.8
1 12	6 38.13	+13 11.6	1.798	2.759	5.4	20.9
1 22	6 29.31	+14 19.2	1.855	2.776	8.8	21.2
2 1	6 22.51	+15 27.2	1.939	2.793	12.1	21.4
2 11	6 18.30	+16 32.7	2.045	2.809	15.0	21.6

407464 2010 UC_{64} 1 2.2 55°.07 2°.8/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.30	+28 49.5	1.610	2.471	13.8	20.9
12 13	7 8.41	+29 20.4	1.556	2.482	9.8	20.7
12 23	6 58.98	+29 47.5	1.527	2.492	5.5	20.4
1 2	6 48.14	+30 5.8	1.524	2.503	2.8	20.3
1 12	6 37.41	+30 12.8	1.550	2.514	5.7	20.5
1 22	6 28.20	+30 8.5	1.602	2.525	9.8	20.8
2 1	6 21.61	+29 55.1	1.680	2.536	13.5	21.0
2 11	6 18.22	+29 36.1	1.777	2.547	16.7	21.3

264739 2002 CN_{176} 1 2.2 90°.43 1°.6/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.17	+17 9.7	1.894	2.744	12.6	20.2
12 13	7 5.88	+17 28.4	1.830	2.750	9.0	20.0
12 23	6 57.57	+17 54.3	1.792	2.756	5.0	19.8
1 2	6 48.11	+18 25.3	1.781	2.762	1.6	19.6
1 12	6 38.63	+18 58.8	1.800	2.769	4.4	19.8
1 22	6 30.22	+19 32.6	1.848	2.775	8.4	20.0
2 1	6 23.80	+20 5.1	1.921	2.781	12.0	20.3
2 11	6 19.95	+20 35.4	2.017	2.787	15.0	20.5

367141 2006 TX_{95} 1 2.2 27°.64 23°.9/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.46	−14 21.4	0.914	1.697	27.8	20.6
12 13	7 8.65	−17 50.2	0.885	1.702	25.9	20.5
12 23	6 59.40	−20 28.0	0.870	1.707	24.5	20.4
1 2	6 48.15	−21 59.4	0.871	1.713	23.9	20.4
1 12	6 36.94	−22 18.4	0.885	1.721	24.3	20.4
1 22	6 27.73	−21 30.3	0.914	1.729	25.4	20.6
2 1	6 21.97	−19 48.2	0.955	1.737	26.9	20.7
2 11	6 20.40	−17 30.0	1.007	1.747	28.5	20.9

256150 2006 VE_{34} 1 2.2 115°.48 6°.1/31.6 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.07	+37 18.8	1.903	2.744	12.9	19.7
12 13	7 11.10	+38 38.4	1.851	2.756	9.8	19.6
12 23	7 0.44	+39 47.7	1.824	2.768	7.1	19.4
1 2	6 48.18	+40 39.2	1.826	2.779	6.2	19.4
1 12	6 35.88	+41 8.6	1.856	2.790	7.8	19.5
1 22	6 25.04	+41 16.0	1.913	2.801	10.5	19.7
2 1	6 16.87	+41 5.1	1.995	2.811	13.4	19.9
2 11	6 12.03	+40 41.4	2.096	2.821	15.8	20.1

403567 2010 MQ_{107} 1 2.2 95°.17 0°.4/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.25	+25 24.8	1.840	2.690	12.9	20.5
12 13	7 9.94	+25 1.7	1.789	2.710	9.0	20.3
12 23	6 59.55	+24 35.9	1.763	2.731	4.7	20.1
1 2	6 48.16	+24 6.3	1.768	2.751	0.4	19.8
1 12	6 37.10	+23 33.3	1.802	2.770	4.4	20.2
1 22	6 27.54	+22 58.4	1.866	2.790	8.5	20.5
2 1	6 20.35	+22 23.9	1.956	2.809	12.1	20.7
2 11	6 15.99	+21 51.7	2.068	2.827	15.0	21.0

478424 2012 GC_{40} 1 2.2 304°.36 6°.6/30.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 21.92	+25 49.2	1.060	1.933	18.4	20.0
12 13	7 15.07	+29 11.3	0.994	1.925	13.4	19.7
12 23	7 3.52	+32 49.3	0.952	1.916	8.3	19.4
1 2	6 48.28	+36 20.7	0.938	1.908	6.8	19.3
1 12	6 31.67	+39 22.5	0.951	1.900	11.0	19.5
1 22	6 16.59	+41 41.1	0.989	1.892	16.4	19.7
2 1	6 5.68	+43 16.4	1.048	1.885	21.3	20.0
2 11	6 0.46	+44 16.9	1.123	1.878	25.2	20.3

462879 2010 VA_{157} 1 2.2 39°.54 3°.4/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 13.50	+15 46.8	1.735	2.584	13.6	21.0
12 13	7 6.88	+15 5.2	1.669	2.586	9.9	20.8
12 23	6 58.11	+14 29.9	1.627	2.587	6.0	20.6
1 2	6 48.14	+14 1.9	1.613	2.589	3.4	20.4
1 12	6 38.21	+13 41.9	1.628	2.591	5.6	20.6
1 22	6 29.49	+13 30.0	1.671	2.593	9.5	20.8
2 1	6 22.93	+13 25.6	1.739	2.596	13.1	21.0
2 11	6 19.13	+13 27.5	1.827	2.598	16.3	21.3

377305 2004 FF_{137} 1 2.2 311°.94 8°.1/29.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.31	+41 14.7	2.021	2.854	12.6	19.5
12 13	7 10.51	+43 20.3	1.940	2.831	10.2	19.3
12 23	7 0.53	+45 18.2	1.886	2.809	8.5	19.1
1 2	6 48.21	+46 58.0	1.860	2.787	8.2	19.0
1 12	6 35.03	+48 11.8	1.862	2.765	9.8	19.1
1 22	6 22.74	+48 56.7	1.890	2.744	12.3	19.2
2 1	6 12.99	+49 15.0	1.941	2.723	15.0	19.3
2 11	6 6.93	+49 12.6	2.010	2.702	17.4	19.5

31409 1999 AB_5 1 2.2 258°.38 0°.4/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.58	+21 57.4	1.600	2.458	14.0	18.2
12 13	7 8.89	+22 35.3	1.520	2.446	10.0	17.9
12 23	6 59.43	+23 18.3	1.465	2.433	5.2	17.6
1 2	6 48.19	+24 2.1	1.437	2.420	0.4	17.2
1 12	6 36.59	+24 42.3	1.437	2.406	5.2	17.5
1 22	6 26.16	+25 16.1	1.466	2.393	10.1	17.8
2 1	6 18.22	+25 42.8	1.519	2.379	14.5	18.0
2 11	6 13.61	+26 3.1	1.592	2.365	18.2	18.2

197673 2004 NJ_{15} 1 2.3 112°.32 1°.4/ 2.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.97	+18 17.0	1.642	2.492	14.2	21.0
12 13	7 9.34	+18 31.6	1.589	2.510	10.0	20.8
12 23	6 59.39	+18 52.4	1.561	2.527	5.4	20.5
1 2	6 48.18	+19 17.0	1.561	2.543	1.4	20.3
1 12	6 37.12	+19 42.7	1.591	2.559	4.8	20.6
1 22	6 27.49	+20 7.5	1.648	2.574	9.2	20.9
2 1	6 20.31	+20 30.6	1.731	2.589	13.1	21.1
2 11	6 16.12	+20 51.6	1.835	2.603	16.3	21.4

1835 Gajdariya 1 2.3 73°.83 0°.1/ 2.2 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.03	+22 54.8	1.902	2.758	12.3	16.0
12 13	7 6.47	+23 3.7	1.842	2.767	8.6	15.8
12 23	6 57.87	+23 13.8	1.808	2.776	4.5	15.6
1 2	6 48.16	+23 22.9	1.802	2.785	0.2	15.3
1 12	6 38.51	+23 29.4	1.825	2.794	4.2	15.6
1 22	6 30.05	+23 32.6	1.877	2.803	8.3	15.9
2 1	6 23.66	+23 33.0	1.954	2.812	11.8	16.1
2 11	6 19.91	+23 31.4	2.053	2.821	14.8	16.3

139236 2001 HZ_{20} 1 2.3 203°.74 2°.7/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.47	+16 2.3	1.721	2.566	13.9	21.0
12 13	7 9.14	+15 54.8	1.646	2.562	10.1	20.8
12 23	6 59.40	+15 54.9	1.595	2.557	5.8	20.5
1 2	6 48.21	+16 1.9	1.573	2.552	2.7	20.3
1 12	6 36.88	+16 14.2	1.580	2.546	5.3	20.5
1 22	6 26.73	+16 30.6	1.615	2.539	9.6	20.7
2 1	6 18.86	+16 49.9	1.676	2.532	13.6	20.9
2 11	6 13.97	+17 10.8	1.758	2.523	17.0	21.1

426152 2012 HA_{52} 1 2.3 310°.20 12°.1/26.9 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 24.18	+47 6.0	1.648	2.468	15.6	20.3
12 13	7 16.58	+50 2.9	1.586	2.455	13.5	20.1
12 23	7 4.34	+52 45.1	1.549	2.441	12.2	20.0
1 2	6 48.38	+54 56.3	1.538	2.429	12.4	20.0
1 12	6 30.94	+56 25.2	1.552	2.416	14.0	20.1
1 22	6 14.86	+57 9.4	1.590	2.404	16.3	20.2
2 1	6 2.76	+57 15.4	1.647	2.392	18.7	20.3
2 11	5 56.17	+56 54.3	1.718	2.380	20.8	20.5

221383 2005 YP_{10} 1 2.3 42°.68 0°.3/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.60	+21 16.7	1.771	2.628	12.9	21.2
12 13	7 6.35	+21 30.6	1.708	2.633	9.1	21.0
12 23	6 57.90	+21 47.8	1.669	2.637	4.8	20.7
1 2	6 48.21	+22 5.9	1.659	2.642	0.4	20.4
1 12	6 38.53	+22 22.8	1.678	2.647	4.5	20.7
1 22	6 30.03	+22 37.1	1.724	2.653	8.8	21.0
2 1	6 23.71	+22 48.6	1.796	2.658	12.5	21.2
2 11	6 20.17	+22 57.6	1.889	2.664	15.7	21.5

248224 2005 EU_{199} 1 2.3 278°.28 2°.6/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.07	+14 53.7	2.197	3.040	11.4	20.6
12 13	7 4.26	+14 49.2	2.122	3.036	8.3	20.4
12 23	6 56.73	+14 52.0	2.072	3.032	4.9	20.2
1 2	6 48.19	+15 1.4	2.051	3.028	2.6	20.0
1 12	6 39.57	+15 16.5	2.060	3.024	4.4	20.2
1 22	6 31.80	+15 36.0	2.098	3.021	7.8	20.4
2 1	6 25.68	+15 58.4	2.162	3.017	11.0	20.6
2 11	6 21.75	+16 22.4	2.248	3.013	13.8	20.7

130022 1999 VD_{77} 1 2.3 33°.06 1°.1/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 11.61	+19 23.2	1.873	2.728	12.5	20.2
12 13	7 5.55	+19 29.8	1.808	2.731	8.8	20.0
12 23	6 57.46	+19 41.1	1.768	2.734	4.8	19.7
1 2	6 48.21	+19 55.4	1.756	2.738	1.1	19.5
1 12	6 38.95	+20 10.9	1.773	2.742	4.3	19.7
1 22	6 30.79	+20 26.3	1.818	2.746	8.4	20.0
2 1	6 24.63	+20 40.8	1.889	2.750	12.0	20.2
2 11	6 21.07	+20 54.3	1.982	2.755	15.1	20.4

13858 Ericchristensen 1 2.3 147°.13 0°.3/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.20	+22 0.1	2.060	2.905	11.9	19.4
12 13	7 8.55	+21 59.4	1.996	2.916	8.3	19.2
12 23	6 58.94	+21 59.9	1.959	2.926	4.4	19.0
1 2	6 48.26	+21 59.9	1.952	2.935	0.4	18.7
1 12	6 37.67	+21 58.3	1.975	2.944	4.1	19.0
1 22	6 28.23	+21 54.8	2.028	2.952	8.0	19.2
2 1	6 20.83	+21 50.0	2.108	2.959	11.4	19.5
2 11	6 15.99	+21 44.7	2.211	2.966	14.3	19.7

154866 2004 RE_{92} 1 2.3 146°.09 0°.6/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.78	+24 32.5	2.041	2.893	11.7	20.6
12 13	7 6.98	+24 38.9	1.974	2.897	8.2	20.4
12 23	6 58.17	+24 44.8	1.932	2.900	4.3	20.1
1 2	6 48.25	+24 48.1	1.920	2.903	0.6	19.8
1 12	6 38.34	+24 47.2	1.938	2.906	4.2	20.1
1 22	6 29.53	+24 42.2	1.984	2.909	8.1	20.4
2 1	6 22.73	+24 33.7	2.057	2.911	11.5	20.6
2 11	6 18.50	+24 23.3	2.152	2.914	14.4	20.8

49285 1998 UT_{29} 1 2.3 103°.72 3°.5/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.58	+12 26.2	1.817	2.656	13.5	19.1
12 13	7 6.84	+12 31.2	1.760	2.670	9.9	18.9
12 23	6 58.09	+12 47.3	1.728	2.684	6.1	18.7
1 2	6 48.25	+13 13.5	1.724	2.698	3.5	18.6
1 12	6 38.47	+13 47.8	1.749	2.711	5.3	18.7
1 22	6 29.86	+14 27.3	1.802	2.724	8.9	19.0
2 1	6 23.31	+15 9.5	1.881	2.737	12.3	19.2
2 11	6 19.37	+15 51.9	1.982	2.750	15.3	19.4

378932 2008 UK_{126} 1 2.3 29°.28 1°.1/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.29	+25 49.0	1.850	2.709	12.4	20.7
12 13	7 6.06	+25 54.6	1.790	2.716	8.7	20.5
12 23	6 57.72	+25 58.9	1.755	2.723	4.6	20.3
1 2	6 48.24	+25 59.3	1.748	2.731	1.1	20.1
1 12	6 38.84	+25 54.4	1.770	2.739	4.5	20.3
1 22	6 30.66	+25 44.5	1.820	2.747	8.5	20.6
2 1	6 24.63	+25 30.7	1.896	2.756	12.1	20.8
2 11	6 21.31	+25 14.7	1.993	2.765	15.0	21.0

209078 2003 SW_{3} 1 2.3 309°.32 4°.4/ 1.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.78	+32 4.9	1.502	2.363	14.6	19.9
12 13	7 9.95	+32 42.3	1.433	2.356	10.7	19.6
12 23	7 0.06	+33 12.9	1.388	2.349	6.6	19.4
1 2	6 48.31	+33 30.4	1.369	2.343	4.4	19.2
1 12	6 36.41	+33 30.9	1.378	2.337	7.0	19.4
1 22	6 26.09	+33 14.7	1.413	2.331	11.2	19.6
2 1	6 18.72	+32 45.7	1.471	2.325	15.2	19.8
2 11	6 15.05	+32 9.0	1.548	2.320	18.7	20.0

240211 2002 RG_{265} 1 2.3 358°.87 4°.5/ 3.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 9.41	+ 9 42.0	1.959	2.794	12.9	20.2
12 13	7 3.94	+ 9 34.7	1.889	2.793	9.7	20.0
12 23	6 56.63	+ 9 39.9	1.844	2.793	6.6	19.9
1 2	6 48.24	+ 9 58.0	1.825	2.792	4.6	19.7
1 12	6 39.78	+10 27.7	1.836	2.792	5.8	19.8
1 22	6 32.25	+11 6.6	1.874	2.792	8.8	20.0
2 1	6 26.50	+11 51.8	1.937	2.793	12.1	20.2
2 11	6 23.09	+12 40.1	2.023	2.794	14.9	20.4

486744 2014 EK_{39} 1 2.3 163°.82 1°.0/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.05	+18 47.4	2.012	2.853	12.3	22.3
12 13	7 9.27	+19 10.4	1.944	2.861	8.7	22.1
12 23	6 59.40	+19 38.4	1.902	2.867	4.7	21.9
1 2	6 48.33	+20 9.0	1.891	2.873	1.0	21.6
1 12	6 37.21	+20 39.5	1.910	2.878	4.2	21.9
1 22	6 27.20	+21 8.0	1.960	2.882	8.3	22.1
2 1	6 19.24	+21 33.7	2.036	2.885	11.8	22.4
2 11	6 13.92	+21 56.7	2.134	2.887	14.8	22.6

252421 2001 TB_{123} 1 2.3 58°.03 3°.4/ 1.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.65	+30 5.3	1.567	2.427	14.2	20.0
12 13	7 9.37	+30 45.4	1.524	2.448	10.1	19.8
12 23	6 59.52	+31 19.9	1.505	2.469	5.9	19.6
1 2	6 48.33	+31 43.4	1.514	2.490	3.4	19.5
1 12	6 37.39	+31 53.0	1.550	2.511	6.0	19.7
1 22	6 28.13	+31 49.3	1.613	2.533	10.0	20.0
2 1	6 21.61	+31 35.1	1.701	2.555	13.6	20.3
2 11	6 18.36	+31 14.3	1.809	2.576	16.5	20.5

242799 2006 BA_{20} 1 2.3 312°.98 2°.6/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 13.31	+17 54.4	1.291	2.159	16.1	20.5
12 13	7 7.67	+17 36.3	1.213	2.141	11.7	20.2
12 23	6 59.00	+17 25.4	1.158	2.124	6.7	19.9
1 2	6 48.33	+17 21.3	1.127	2.108	2.6	19.6
1 12	6 37.32	+17 23.2	1.122	2.091	6.2	19.7
1 22	6 27.67	+17 29.9	1.142	2.076	11.6	20.0
2 1	6 20.82	+17 40.7	1.185	2.061	16.6	20.2
2 11	6 17.66	+17 54.4	1.246	2.047	20.8	20.5

415827 2001 QX_{253} 1 2.3 75°.58 1°.3/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.32	+17 21.7	1.697	2.549	13.7	20.9
12 13	7 7.50	+17 56.3	1.647	2.568	9.7	20.7
12 23	6 58.50	+18 38.6	1.622	2.588	5.2	20.4
1 2	6 48.32	+19 25.2	1.625	2.607	1.4	20.2
1 12	6 38.25	+20 12.6	1.657	2.626	4.6	20.5
1 22	6 29.48	+20 57.7	1.717	2.645	8.8	20.8
2 1	6 22.98	+21 38.7	1.803	2.664	12.6	21.1
2 11	6 19.29	+22 15.0	1.911	2.683	15.6	21.3

365232 2009 HV_{104} 1 2.3 310°.10 6°.2/ 3.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.68	+ 7 14.6	1.624	2.458	15.1	20.8
12 13	7 5.87	+ 6 59.7	1.553	2.452	11.7	20.6
12 23	6 57.78	+ 7 2.0	1.504	2.448	8.3	20.4
1 2	6 48.31	+ 7 22.7	1.482	2.443	6.2	20.3
1 12	6 38.69	+ 8 0.8	1.486	2.438	7.4	20.3
1 22	6 30.16	+ 8 52.7	1.517	2.434	10.7	20.5
2 1	6 23.78	+ 9 54.1	1.572	2.430	14.3	20.7
2 11	6 20.23	+11 0.1	1.648	2.425	17.5	20.9

277802 2006 FH_{6} 1 2.3 283°.33 6°.7/ 4.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 9.59	+ 2 44.2	2.091	2.897	13.2	20.1
12 13	7 4.05	+ 2 31.6	2.011	2.888	10.7	19.9
12 23	6 56.71	+ 2 36.2	1.955	2.878	8.2	19.7
1 2	6 48.28	+ 2 59.5	1.925	2.869	6.7	19.6
1 12	6 39.70	+ 3 40.8	1.923	2.859	7.4	19.6
1 22	6 31.91	+ 4 37.4	1.949	2.850	9.7	19.8
2 1	6 25.75	+ 5 45.3	2.001	2.840	12.4	19.9
2 11	6 21.82	+ 6 59.6	2.074	2.831	15.0	20.1

149897 2005 ST_{7} 1 2.3 214°.18 0°.9/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.90	+24 44.2	1.865	2.721	12.5	20.5
12 13	7 7.29	+25 1.1	1.796	2.721	8.8	20.2
12 23	6 58.46	+25 18.1	1.752	2.720	4.6	20.0
1 2	6 48.33	+25 32.2	1.737	2.719	0.9	19.7
1 12	6 38.15	+25 41.1	1.750	2.719	4.5	20.0
1 22	6 29.13	+25 44.2	1.792	2.718	8.7	20.2
2 1	6 22.27	+25 42.3	1.860	2.717	12.4	20.5
2 11	6 18.22	+25 37.0	1.949	2.716	15.5	20.7

400281 2007 RT_{311} 1 2.3 58°.82 1°.8/ 1.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.80	+24 31.0	1.347	2.213	15.6	20.5
12 13	7 9.73	+25 25.6	1.304	2.233	10.9	20.3
12 23	6 59.82	+26 21.2	1.285	2.253	5.8	20.1
1 2	6 48.38	+27 11.6	1.292	2.273	1.8	19.9
1 12	6 37.13	+27 51.7	1.326	2.294	5.8	20.2
1 22	6 27.67	+28 19.7	1.387	2.314	10.5	20.5
2 1	6 21.17	+28 36.7	1.472	2.335	14.7	20.8
2 11	6 18.21	+28 45.2	1.576	2.356	18.0	21.1

460452 2014 SH_{215} 1 2.3 146°.64 2°.6/ 1.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.44	+28 54.2	2.295	3.141	10.8	21.3
12 13	7 8.13	+29 49.2	2.232	3.150	7.7	21.1
12 23	6 58.83	+30 41.7	2.196	3.158	4.5	20.9
1 2	6 48.37	+31 27.2	2.191	3.167	2.6	20.8
1 12	6 37.85	+32 2.3	2.216	3.174	4.8	20.9
1 22	6 28.33	+32 25.9	2.271	3.181	8.0	21.2
2 1	6 20.73	+32 38.9	2.352	3.188	10.9	21.4
2 11	6 15.64	+32 43.4	2.456	3.194	13.4	21.6

241290 2007 UZ_{43} 1 2.3 357°.53 1°.0/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.33	+25 5.7	2.123	2.978	11.2	21.0
12 13	7 5.31	+25 23.9	2.053	2.977	7.9	20.8
12 23	6 57.38	+25 42.0	2.009	2.976	4.2	20.6
1 2	6 48.34	+25 57.3	1.994	2.976	1.0	20.3
1 12	6 39.26	+26 7.9	2.008	2.976	4.1	20.6
1 22	6 31.16	+26 13.2	2.051	2.976	7.8	20.8
2 1	6 24.92	+26 13.5	2.121	2.976	11.2	21.0
2 11	6 21.11	+26 10.1	2.212	2.976	14.0	21.2

32542 2001 QK_{7} 1 2.3 100°.60 0°.3/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 7.29	+21 9.4	3.172	4.016	8.2	19.1
12 13	7 1.95	+21 16.6	3.103	4.022	5.7	18.9
12 23	6 55.44	+21 25.4	3.062	4.028	3.0	18.8
1 2	6 48.29	+21 34.8	3.051	4.034	0.4	18.5
1 12	6 41.13	+21 43.9	3.071	4.040	2.8	18.8
1 22	6 34.60	+21 52.1	3.122	4.046	5.5	19.0
2 1	6 29.22	+21 59.0	3.201	4.051	7.9	19.1
2 11	6 25.42	+22 4.8	3.305	4.057	10.0	19.3

348158 2004 HT_1 1 2.3 175°.66 3°.8/ 1.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 16.56	+32 39.9	2.290	3.131	11.0	21.2
12 13	7 9.04	+33 36.3	2.221	3.134	8.0	21.0
12 23	6 59.37	+34 27.6	2.180	3.136	5.1	20.8
1 2	6 48.40	+35 8.6	2.169	3.137	3.8	20.7
1 12	6 37.31	+35 35.9	2.188	3.138	5.6	20.8
1 22	6 27.26	+35 48.8	2.236	3.138	8.5	21.0
2 1	6 19.23	+35 49.0	2.310	3.138	11.4	21.2
2 11	6 13.86	+35 39.7	2.407	3.137	13.9	21.4

451057 2008 YY_{116} 1 2.3 50°.76 0°.2/ 2.4 17

12 3	7 15.06	+19 52.3	1.322	2.189	15.9	20.7
12 13	7 8.59	+20 37.6	1.271	2.200	11.2	20.4
12 23	6 59.30	+21 30.6	1.243	2.212	5.9	20.2
1 2	6 48.40	+22 25.8	1.241	2.225	0.3	19.8
1 12	6 37.55	+23 18.2	1.267	2.237	5.4	20.2
1 22	6 28.33	+24 3.9	1.318	2.250	10.5	20.5
2 1	6 21.95	+24 41.7	1.394	2.264	14.9	20.8
2 11	6 19.08	+25 12.0	1.488	2.277	18.5	21.1

359406 2010 JV_{84} 1 2.3 87°.18 1°.1/ 2.6 18

12 3	7 15.00	+18 2.9	1.509	2.366	14.8	20.5
12 13	7 8.36	+18 37.3	1.448	2.372	10.5	20.2
12 23	6 59.14	+19 20.3	1.412	2.379	5.7	20.0
1 2	6 48.40	+20 8.3	1.403	2.385	1.2	19.7
1 12	6 37.61	+20 56.9	1.422	2.392	5.0	20.0
1 22	6 28.20	+21 42.7	1.468	2.398	9.8	20.3
2 1	6 21.32	+22 23.9	1.539	2.404	14.1	20.5
2 11	6 17.65	+22 59.9	1.630	2.410	17.5	20.8

309436 2007 UV_{20} 1 2.3 154°.86 1°.1/ 2.5 18

12 3	7 15.76	+19 3.4	2.029	2.872	12.1	22.2
12 13	7 8.34	+19 13.4	1.963	2.881	8.6	22.0
12 23	6 58.93	+19 27.7	1.924	2.889	4.6	21.7
1 2	6 48.40	+19 44.4	1.914	2.896	1.1	21.5
1 12	6 37.87	+20 1.7	1.935	2.903	4.2	21.7
1 22	6 28.45	+20 18.4	1.985	2.909	8.1	22.0
2 1	6 21.02	+20 33.8	2.062	2.914	11.6	22.2
2 11	6 16.16	+20 48.0	2.162	2.918	14.5	22.4

400921 2010 TB_{174} 1 2.3 66°.84 2°.1/ 1.7 18

12 3	7 18.45	+24 47.9	1.608	2.464	14.1	20.4
12 13	7 10.48	+26 1.9	1.573	2.497	9.8	20.2
12 23	7 0.08	+27 15.4	1.564	2.531	5.2	20.0
1 2	6 48.43	+28 21.9	1.583	2.564	2.1	19.9
1 12	6 37.05	+29 16.4	1.632	2.597	5.3	20.2
1 22	6 27.29	+29 57.0	1.710	2.630	9.4	20.5
2 1	6 20.17	+30 24.9	1.812	2.662	13.0	20.8
2 11	6 16.22	+30 42.5	1.935	2.694	15.9	21.0

17270 2000 LB_2 1 2.3 201°.18 0°.7/ 2.4 18

12 3	7 11.46	+21 18.8	2.322	3.171	10.6	18.3
12 13	7 5.20	+21 8.9	2.249	3.170	7.5	18.1
12 23	6 57.25	+21 0.5	2.203	3.169	4.0	17.9
1 2	6 48.36	+20 52.7	2.186	3.168	0.7	17.6
1 12	6 39.45	+20 44.9	2.199	3.168	3.7	17.9
1 22	6 31.44	+20 36.9	2.242	3.167	7.2	18.1
2 1	6 25.10	+20 29.1	2.312	3.166	10.4	18.3
2 11	6 20.95	+20 21.9	2.405	3.165	13.1	18.5

256163 2006 VL_{53} 1 2.3 289°.72 2°.7/ 1.9 18

12 3	7 15.53	+28 58.7	1.729	2.586	13.2	20.7
12 13	7 8.92	+29 20.0	1.641	2.564	9.5	20.4
12 23	6 59.57	+29 38.0	1.577	2.542	5.4	20.2
1 2	6 48.43	+29 48.0	1.541	2.520	2.7	19.9
1 12	6 36.95	+29 47.0	1.533	2.498	5.6	20.1
1 22	6 26.62	+29 34.7	1.553	2.475	10.0	20.3
2 1	6 18.73	+29 13.3	1.597	2.453	14.2	20.5
2 11	6 14.13	+28 46.3	1.662	2.431	17.7	20.7

135406 2001 TY_{227} 1 2.3 184°.18 1°.1/ 2.6 18

12 3	7 10.10	+18 23.6	2.792	3.631	9.3	20.9
12 13	7 4.04	+18 27.2	2.716	3.631	6.6	20.8
12 23	6 56.59	+18 34.2	2.667	3.631	3.6	20.6
1 2	6 48.35	+18 43.8	2.649	3.630	1.2	20.4
1 12	6 40.06	+18 55.0	2.662	3.629	3.3	20.5
1 22	6 32.47	+19 6.8	2.706	3.628	6.3	20.7
2 1	6 26.22	+19 18.8	2.777	3.626	9.0	20.9
2 11	6 21.78	+19 30.6	2.872	3.624	11.4	21.1

394887 2008 UV_{148} 1 2.3 131°.50 2°.8/ 2.7 18

12 3	7 16.50	+16 25.1	1.658	2.505	14.2	21.2
12 13	7 9.10	+16 6.2	1.598	2.515	10.2	21.0
12 23	6 59.40	+15 54.4	1.562	2.524	5.9	20.7
1 2	6 48.43	+15 49.2	1.555	2.533	2.8	20.6
1 12	6 37.56	+15 49.8	1.576	2.542	5.3	20.8
1 22	6 28.04	+15 55.4	1.626	2.550	9.5	21.0
2 1	6 20.89	+16 5.0	1.700	2.558	13.4	21.3
2 11	6 16.67	+16 17.5	1.796	2.565	16.6	21.5

223806 2004 TA_{53} 1 2.3 13°.45 0°.4/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 12.76	+23 41.9	1.909	2.765	12.2	20.7
12 13	7 6.44	+23 52.6	1.841	2.765	8.6	20.5
12 23	6 58.02	+24 4.0	1.798	2.766	4.5	20.3
1 2	6 48.39	+24 13.8	1.784	2.767	0.5	20.0
1 12	6 38.73	+24 20.2	1.798	2.767	4.3	20.3
1 22	6 30.19	+24 22.4	1.842	2.768	8.4	20.5
2 1	6 23.71	+24 21.1	1.911	2.769	12.0	20.7
2 11	6 19.90	+24 17.3	2.001	2.771	15.1	21.0

116583 2004 BJ_{94} 1 2.3 12°.71 7°.5/ 2.6 18

12 3	7 12.22	+ 9 37.3	1.293	2.145	17.1	19.0
12 13	7 6.48	+ 8 14.4	1.238	2.148	13.2	18.8
12 23	6 58.16	+ 7 6.3	1.205	2.152	9.5	18.6
1 2	6 48.40	+ 6 17.7	1.196	2.157	7.5	18.5
1 12	6 38.70	+ 5 51.2	1.213	2.162	9.1	18.6
1 22	6 30.51	+ 5 46.4	1.254	2.169	12.6	18.8
2 1	6 24.94	+ 6 0.0	1.316	2.176	16.3	19.1
2 11	6 22.59	+ 6 26.9	1.397	2.185	19.6	19.3

249123 2007 XM_{30} 1 2.3 66°.58 3°.3/31.9 18

12 3	7 13.43	+30 10.1	2.311	3.159	10.7	20.2
12 13	7 6.86	+31 29.8	2.247	3.164	7.7	20.0
12 23	6 58.26	+32 47.1	2.209	3.169	4.7	19.8
1 2	6 48.41	+33 56.6	2.203	3.173	3.4	19.8
1 12	6 38.38	+34 53.9	2.226	3.178	5.3	19.9
1 22	6 29.25	+35 37.0	2.279	3.183	8.3	20.1
2 1	6 21.96	+36 6.3	2.359	3.188	11.1	20.3
2 11	6 17.18	+36 24.1	2.460	3.193	13.5	20.5

236063 2005 JB_{67} 1 2.3 266°.33 3°.8/ 3.3 18

12 3	7 9.43	+10 15.2	2.376	3.204	11.1	20.7
12 13	7 3.82	+10 14.0	2.291	3.192	8.4	20.5
12 23	6 56.60	+10 23.1	2.231	3.180	5.6	20.3
1 2	6 48.38	+10 42.5	2.200	3.168	3.8	20.2
1 12	6 40.00	+11 11.3	2.199	3.156	5.0	20.2
1 22	6 32.33	+11 47.5	2.227	3.144	7.8	20.4
2 1	6 26.11	+12 28.9	2.282	3.131	10.7	20.5
2 11	6 21.92	+13 13.0	2.360	3.119	13.4	20.7

467808 2010 CC_{95} 1 2.3 260°.31 3°.2/ 3.1 17

12 3	7 9.72	+11 54.2	2.467	3.298	10.7	21.7
12 13	7 4.01	+11 53.4	2.378	3.283	8.0	21.5
12 23	6 56.70	+12 1.3	2.316	3.268	5.1	21.3
1 2	6 48.40	+12 17.9	2.282	3.253	3.2	21.2
1 12	6 39.93	+12 42.0	2.278	3.238	4.5	21.2
1 22	6 32.13	+13 12.3	2.304	3.222	7.5	21.4
2 1	6 25.74	+13 46.7	2.357	3.206	10.4	21.6
2 11	6 21.33	+14 23.4	2.433	3.190	13.0	21.7

217785 2000 SZ_{196} 1 2.3 45°.43 3°.1/ 2.9 18

12 3	7 12.22	+14 55.0	1.629	2.481	14.1	20.0
12 13	7 6.13	+14 48.4	1.574	2.493	10.3	19.8
12 23	6 57.87	+14 51.4	1.543	2.504	6.1	19.6
1 2	6 48.43	+15 3.1	1.539	2.516	3.1	19.5
1 12	6 39.08	+15 22.1	1.563	2.529	5.3	19.6
1 22	6 31.00	+15 46.1	1.614	2.542	9.3	19.9
2 1	6 25.15	+16 13.1	1.690	2.555	13.0	20.1
2 11	6 22.07	+16 41.4	1.787	2.568	16.2	20.4

2399 Terradas 1 2.3 145°.93 2°.2/ 2.8 18

12 3	7 17.08	+16 10.6	1.698	2.543	14.0	17.4
12 13	7 9.54	+16 21.1	1.636	2.553	10.1	17.2
12 23	6 59.67	+16 40.0	1.599	2.562	5.7	16.9
1 2	6 48.49	+17 5.3	1.591	2.571	2.3	16.7
1 12	6 37.32	+17 34.4	1.612	2.579	5.0	16.9
1 22	6 27.46	+18 5.0	1.661	2.586	9.3	17.2
2 1	6 19.92	+18 35.6	1.736	2.592	13.2	17.4
2 11	6 15.34	+19 5.1	1.832	2.598	16.4	17.7

447089 2004 TG_{63} 1 2.3 104°.85 1°.5/ 2.1 15

12 3	7 19.03	+25 51.8	1.650	2.504	13.9	22.0
12 13	7 10.92	+26 16.5	1.601	2.524	9.8	21.8
12 23	7 0.37	+26 39.6	1.577	2.544	5.2	21.5
1 2	6 48.52	+26 56.9	1.581	2.563	1.5	21.3
1 12	6 36.90	+27 6.1	1.615	2.582	5.0	21.6
1 22	6 26.86	+27 6.9	1.676	2.600	9.3	21.9
2 1	6 19.45	+27 1.2	1.763	2.617	13.1	22.2
2 11	6 15.20	+26 51.4	1.871	2.634	16.2	22.4

282556 2004 UN_9 1 2.3 71°.76 2°.8/ 2.3 17

12 3	7 22.66	+31 14.1	1.401	2.257	15.8	20.4
12 13	7 13.60	+30 54.5	1.357	2.279	11.2	20.1
12 23	7 1.72	+30 25.1	1.337	2.302	6.3	19.9
1 2	6 48.56	+29 43.2	1.344	2.324	2.8	19.8
1 12	6 35.99	+28 49.8	1.380	2.345	5.9	20.0
1 22	6 25.59	+27 49.2	1.442	2.367	10.4	20.3
2 1	6 18.40	+26 46.7	1.530	2.389	14.5	20.6
2 11	6 14.85	+25 47.0	1.637	2.410	17.7	20.9

9177 1990 *YA* 1 2.3 42°.42 1°.2/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 16.54	+21 2.1	1.202	2.073	16.9	16.6
12 13	7 9.41	+20 43.0	1.170	2.100	11.8	16.4
12 23	6 59.57	+20 27.9	1.160	2.128	6.2	16.1
1 2	6 48.50	+20 15.5	1.175	2.157	1.3	15.9
1 12	6 37.95	+20 5.0	1.216	2.187	5.5	16.3
1 22	6 29.42	+19 56.4	1.283	2.217	10.6	16.6
2 1	6 23.90	+19 50.0	1.373	2.248	14.9	17.0
2 11	6 21.82	+19 45.7	1.483	2.278	18.3	17.3

263690 2008 GQ_{136} 1 2.3 273°.92 0°.5/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.25	+20 29.8	1.846	2.700	12.7	20.9
12 13	7 7.01	+20 48.6	1.763	2.686	9.0	20.7
12 23	6 58.47	+21 12.2	1.705	2.672	4.8	20.4
1 2	6 48.48	+21 38.0	1.675	2.658	0.5	20.0
1 12	6 38.22	+22 3.3	1.674	2.643	4.5	20.3
1 22	6 28.95	+22 26.4	1.702	2.629	8.9	20.6
2 1	6 21.75	+22 46.4	1.755	2.615	12.9	20.8
2 11	6 17.35	+23 3.5	1.829	2.600	16.2	21.0

421444 2014 MB_{21} 1 2.3 175°.14 0°.2/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.58	+21 19.1	1.919	2.766	12.6	22.6
12 13	7 9.13	+21 36.1	1.849	2.769	8.9	22.3
12 23	6 59.47	+21 56.2	1.805	2.771	4.7	22.1
1 2	6 48.52	+22 16.5	1.790	2.773	0.3	21.8
1 12	6 37.51	+22 34.8	1.805	2.774	4.3	22.1
1 22	6 27.65	+22 49.7	1.850	2.774	8.5	22.3
2 1	6 19.92	+23 1.3	1.921	2.774	12.3	22.6
2 11	6 14.97	+23 10.3	2.013	2.772	15.3	22.8

488245 2016 BL_{26} 1 2.3 182°.17 1°.1/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.58	+24 39.6	1.848	2.704	12.6	20.9
12 13	7 7.86	+25 5.0	1.780	2.704	8.9	20.7
12 23	6 58.85	+25 31.1	1.736	2.704	4.7	20.5
1 2	6 48.50	+25 54.2	1.721	2.704	1.1	20.2
1 12	6 38.08	+26 11.6	1.736	2.704	4.6	20.5
1 22	6 28.82	+26 22.2	1.778	2.703	8.8	20.7
2 1	6 21.77	+26 26.8	1.847	2.703	12.5	20.9
2 11	6 17.56	+26 26.8	1.936	2.702	15.6	21.1

400276 2007 RC_{246} 1 2.3 74°.76 0°.0/ 2.3 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.64	+21 35.4	1.485	2.344	14.9	21.4
12 13	7 10.02	+22 2.1	1.444	2.369	10.4	21.2
12 23	6 59.91	+22 32.1	1.427	2.395	5.4	21.0
1 2	6 48.55	+23 1.3	1.437	2.420	0.2	20.7
1 12	6 37.46	+23 26.7	1.475	2.445	4.9	21.1
1 22	6 28.06	+23 46.7	1.541	2.470	9.6	21.4
2 1	6 21.34	+24 1.6	1.632	2.494	13.6	21.7
2 11	6 17.84	+24 12.3	1.743	2.518	16.8	22.0

354220 2002 GF_{122} 1 2.3 242°.14 0°.9/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.99	+23 57.2	1.821	2.674	12.9	21.3
12 13	7 9.02	+24 24.0	1.739	2.662	9.1	21.0
12 23	6 59.58	+24 52.5	1.682	2.650	4.8	20.8
1 2	6 48.55	+25 18.9	1.654	2.637	0.9	20.4
1 12	6 37.25	+25 40.2	1.655	2.623	4.8	20.7
1 22	6 27.03	+25 54.9	1.685	2.609	9.2	20.9
2 1	6 19.05	+26 3.2	1.740	2.595	13.2	21.1
2 11	6 14.08	+26 6.8	1.816	2.580	16.6	21.3

63982 2001 SR_{104} 1 2.3 10°.95 3°.4/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.47	+16 58.0	0.943	1.829	18.9	18.7
12 13	7 6.00	+16 39.0	0.896	1.832	13.7	18.5
12 23	6 58.20	+16 31.9	0.868	1.836	7.9	18.2
1 2	6 48.50	+16 36.4	0.862	1.843	3.4	17.9
1 12	6 38.88	+16 50.3	0.879	1.850	6.9	18.2
1 22	6 31.22	+17 11.2	0.919	1.860	12.6	18.5
2 1	6 26.89	+17 36.0	0.978	1.871	17.7	18.8
2 11	6 26.53	+18 2.2	1.055	1.884	21.9	19.2

11879 1990 QR_1 1 2.3 131°.42 0°.3/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.11	+21 27.9	2.047	2.898	11.7	18.8
12 13	7 6.57	+21 39.9	1.981	2.903	8.3	18.6
12 23	6 58.08	+21 54.3	1.941	2.908	4.3	18.3
1 2	6 48.50	+22 9.3	1.929	2.912	0.3	18.0
1 12	6 38.91	+22 22.8	1.948	2.917	4.0	18.3
1 22	6 30.36	+22 33.9	1.996	2.921	7.9	18.6
2 1	6 23.73	+22 42.6	2.070	2.926	11.4	18.8
2 11	6 19.58	+22 49.2	2.166	2.930	14.2	19.0

405697 2005 UH_{398} 1 2.3 60°.60 1°.1/ 2.5 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.67	+19 23.2	1.625	2.478	14.2	20.9
12 13	7 9.01	+19 34.8	1.592	2.514	9.9	20.8
12 23	6 59.25	+19 51.1	1.585	2.551	5.2	20.6
1 2	6 48.54	+20 9.5	1.605	2.587	1.1	20.4
1 12	6 38.22	+20 27.8	1.654	2.623	4.6	20.7
1 22	6 29.47	+20 44.7	1.732	2.659	8.8	21.0
2 1	6 23.15	+20 59.8	1.835	2.695	12.4	21.3
2 11	6 19.69	+21 13.1	1.959	2.730	15.3	21.6

289600 2005 GR_9 1 2.3 190°.40 4°.7/ 1.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 14.51	+36 9.5	2.314	3.155	10.9	20.4
12 13	7 7.68	+36 58.4	2.247	3.154	8.2	20.2
12 23	6 58.73	+37 39.6	2.206	3.154	5.7	20.1
1 2	6 48.53	+38 8.1	2.194	3.154	4.7	20.0
1 12	6 38.25	+38 21.3	2.211	3.153	6.1	20.1
1 22	6 29.02	+38 18.9	2.256	3.153	8.7	20.3
2 1	6 21.82	+38 3.3	2.327	3.152	11.4	20.4
2 11	6 17.26	+37 38.3	2.420	3.151	13.8	20.6

16753 1996 QS_1 1 2.3 66°.69 0°.1/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.53	+23 17.8	1.400	2.263	15.4	18.2
12 13	7 10.11	+23 5.9	1.351	2.278	10.8	17.9
12 23	7 0.03	+22 54.6	1.325	2.294	5.6	17.7
1 2	6 48.57	+22 41.8	1.326	2.309	0.2	17.3
1 12	6 37.39	+22 26.6	1.355	2.325	5.2	17.7
1 22	6 27.96	+22 9.9	1.410	2.341	10.1	18.0
2 1	6 21.37	+21 53.1	1.490	2.357	14.4	18.3
2 11	6 18.15	+21 37.6	1.589	2.373	17.8	18.6

413572 2005 TO_{139} 1 2.3 44°.82 1°.1/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.83	+24 29.7	1.710	2.570	13.2	20.9
12 13	7 7.42	+24 58.2	1.649	2.575	9.3	20.7
12 23	6 58.66	+25 27.6	1.612	2.580	4.9	20.4
1 2	6 48.54	+25 54.0	1.603	2.585	1.1	20.2
1 12	6 38.40	+26 14.5	1.622	2.591	4.8	20.4
1 22	6 29.54	+26 28.0	1.670	2.596	9.1	20.7
2 1	6 23.01	+26 34.9	1.742	2.602	12.9	20.9
2 11	6 19.43	+26 36.8	1.835	2.608	16.1	21.2

69163 2744 *P–L* 1 2.3 152°.57 8°.2/ 4.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 9.20	− 4 26.1	2.451	3.213	12.8	20.6
12 13	7 3.54	− 4 59.6	2.384	3.217	10.9	20.5
12 23	6 56.42	− 5 14.4	2.340	3.220	9.2	20.4
1 2	6 48.47	− 5 8.3	2.322	3.223	8.3	20.3
1 12	6 40.49	− 4 41.2	2.331	3.226	8.6	20.4
1 22	6 33.25	− 3 55.2	2.367	3.228	9.9	20.5
2 1	6 27.42	− 2 54.0	2.428	3.231	11.7	20.6
2 11	6 23.48	− 1 42.7	2.510	3.233	13.5	20.7

427103 2014 UA_{67} 1 2.3 37°.02 6°.4/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.03	+ 8 28.9	1.686	2.521	14.6	21.0
12 13	7 5.92	+ 7 28.0	1.630	2.529	11.3	20.8
12 23	6 57.77	+ 6 40.6	1.597	2.538	8.1	20.6
1 2	6 48.51	+ 6 9.6	1.590	2.547	6.4	20.5
1 12	6 39.34	+ 5 56.0	1.611	2.557	7.6	20.6
1 22	6 31.36	+ 5 59.0	1.658	2.567	10.5	20.8
2 1	6 25.47	+ 6 15.7	1.729	2.577	13.7	21.0
2 11	6 22.21	+ 6 42.4	1.821	2.587	16.5	21.2

506145 2016 EL_{26} 1 2.3 161°.46 3°.1/ 1.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.21	+34 40.3	2.927	3.761	9.1	22.1
12 13	7 6.96	+34 51.6	2.859	3.766	6.7	22.0
12 23	6 58.15	+34 56.0	2.818	3.771	4.3	21.8
1 2	6 48.53	+34 51.1	2.807	3.775	3.1	21.7
1 12	6 38.96	+34 35.9	2.828	3.779	4.4	21.8
1 22	6 30.30	+34 11.1	2.879	3.783	6.8	22.0
2 1	6 23.25	+33 38.8	2.958	3.786	9.1	22.2
2 11	6 18.29	+33 1.7	3.060	3.789	11.2	22.3

420487 2012 ED_{16} 1 2.3 67°.25 0°.9/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.82	+23 16.6	1.787	2.644	12.9	20.7
12 13	7 7.38	+23 55.5	1.721	2.646	9.1	20.5
12 23	6 58.65	+24 37.0	1.681	2.649	4.7	20.3
1 2	6 48.54	+25 17.0	1.669	2.651	0.9	20.0
1 12	6 38.35	+25 51.9	1.686	2.654	4.6	20.3
1 22	6 29.33	+26 19.8	1.731	2.657	8.9	20.5
2 1	6 22.52	+26 40.5	1.802	2.660	12.7	20.8
2 11	6 18.59	+26 54.9	1.893	2.662	15.8	21.0

82393 2001 MV_{28} 1 2.3 130°.42 2°.7/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.61	+14 55.5	1.621	2.466	14.6	19.6
12 13	7 9.30	+15 10.6	1.562	2.478	10.5	19.4
12 23	6 59.61	+15 35.9	1.527	2.489	6.1	19.2
1 2	6 48.58	+16 9.5	1.520	2.499	2.7	19.0
1 12	6 37.57	+16 48.2	1.542	2.509	5.2	19.2
1 22	6 27.90	+17 29.0	1.592	2.518	9.5	19.4
2 1	6 20.62	+18 9.8	1.668	2.527	13.5	19.7
2 11	6 16.35	+18 48.7	1.764	2.535	16.7	19.9

410035 2006 XO_{68} 1 2.3 51°.09 4°.8/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.59	+13 20.7	1.487	2.337	15.4	21.0
12 13	7 7.79	+12 26.9	1.441	2.355	11.4	20.8
12 23	6 58.74	+11 43.6	1.418	2.373	7.3	20.6
1 2	6 48.54	+11 12.9	1.421	2.392	4.8	20.5
1 12	6 38.61	+10 55.3	1.452	2.411	6.7	20.6
1 22	6 30.17	+10 50.3	1.509	2.430	10.4	20.9
2 1	6 24.18	+10 55.9	1.591	2.450	14.0	21.2
2 11	6 21.13	+11 9.4	1.692	2.470	17.1	21.4

134447 1998 SK_{80} 1 2.3 104.°72 2.°1/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 16.30	+16 58.3	1.980	2.820	12.5	20.8
12 13	7 8.59	+16 50.2	1.931	2.846	8.9	20.6
12 23	6 59.04	+16 47.7	1.908	2.870	5.0	20.4
1 2	6 48.58	+16 49.9	1.914	2.894	2.1	20.3
1 12	6 38.32	+16 55.7	1.951	2.917	4.4	20.5
1 22	6 29.30	+17 4.1	2.017	2.939	8.1	20.7
2 1	6 22.32	+17 14.4	2.110	2.961	11.4	21.0
2 11	6 17.86	+17 26.1	2.225	2.982	14.1	21.2

334086 2001 QM_{122} 1 2.3 132.°25 4.°4/ 1.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.21	+36 49.2	2.386	3.223	10.8	20.4
12 13	7 8.02	+37 17.0	2.322	3.227	8.1	20.2
12 23	6 58.84	+37 35.7	2.284	3.231	5.6	20.1
1 2	6 48.57	+37 41.7	2.275	3.236	4.4	20.0
1 12	6 38.34	+37 32.9	2.295	3.239	5.8	20.1
1 22	6 29.24	+37 10.4	2.344	3.243	8.3	20.3
2 1	6 22.16	+36 37.0	2.419	3.247	10.9	20.5
2 11	6 17.63	+35 56.4	2.517	3.250	13.2	20.6

287433 2002 WQ_{28} 1 2.3 354.°96 8.°1/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 9.14	+ 4 49.5	1.703	2.530	14.9	19.7
12 13	7 4.01	+ 3 34.2	1.637	2.525	12.0	19.5
12 23	6 56.85	+ 2 34.4	1.593	2.521	9.4	19.3
1 2	6 48.51	+ 1 54.5	1.575	2.518	8.1	19.3
1 12	6 40.11	+ 1 36.7	1.584	2.516	9.0	19.3
1 22	6 32.75	+ 1 40.2	1.617	2.514	11.5	19.5
2 1	6 27.34	+ 2 2.1	1.674	2.514	14.4	19.6
2 11	6 24.51	+ 2 37.5	1.750	2.515	17.1	19.8

467407 2005 JZ_{150} 1 2.3 241.°70 3.°8/31.7 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.34	+32 12.3	2.506	3.348	10.2	21.6
12 13	7 7.56	+33 30.7	2.428	3.340	7.5	21.4
12 23	6 58.74	+34 46.1	2.377	3.331	4.9	21.2
1 2	6 48.58	+35 53.1	2.357	3.323	3.8	21.1
1 12	6 38.10	+36 47.4	2.368	3.314	5.5	21.2
1 22	6 28.38	+37 27.1	2.408	3.305	8.2	21.4
2 1	6 20.39	+37 52.5	2.475	3.296	11.0	21.5
2 11	6 14.83	+38 6.2	2.565	3.286	13.3	21.7

446168 2013 EO_{123} 1 2.3 355.°12 3.°0/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.09	+26 54.7	1.162	2.042	16.6	20.7
12 13	7 7.86	+27 42.7	1.103	2.037	11.9	20.4
12 23	6 59.28	+28 30.8	1.064	2.033	6.6	20.1
1 2	6 48.59	+29 12.1	1.050	2.031	3.0	19.9
1 12	6 37.73	+29 40.8	1.062	2.029	6.9	20.1
1 22	6 28.63	+29 55.0	1.097	2.029	12.1	20.4
2 1	6 22.79	+29 56.3	1.153	2.030	16.9	20.6
2 11	6 21.01	+29 48.3	1.228	2.031	20.9	20.9

490219 2008 VN_{19} 1 2.3 100.°43 3.°0/ 2.9 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.72	+14 51.1	1.558	2.405	15.0	21.6
12 13	7 9.33	+14 54.2	1.507	2.424	10.8	21.4
12 23	6 59.59	+15 7.5	1.480	2.441	6.3	21.2
1 2	6 48.60	+15 29.3	1.481	2.459	3.0	21.0
1 12	6 37.77	+15 57.2	1.510	2.476	5.4	21.2
1 22	6 28.40	+16 28.6	1.567	2.493	9.7	21.5
2 1	6 21.49	+17 1.5	1.648	2.509	13.5	21.8
2 11	6 17.61	+17 34.2	1.751	2.525	16.7	22.0

494200 2016 HV_{7} 1 2.3 226.°75 2.°5/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.16	+14 31.4	2.403	3.240	10.7	22.0
12 13	7 4.32	+14 26.8	2.325	3.236	7.8	21.8
12 23	6 56.89	+14 29.0	2.274	3.232	4.7	21.6
1 2	6 48.53	+14 37.5	2.252	3.228	2.5	21.5
1 12	6 40.08	+14 51.6	2.260	3.223	4.2	21.6
1 22	6 32.40	+15 10.0	2.297	3.218	7.3	21.8
2 1	6 26.22	+15 31.3	2.361	3.214	10.3	22.0
2 11	6 22.07	+15 54.4	2.449	3.209	12.9	22.1

283962 2004 RD_{21} 1 2.3 82.°16 0.°2/ 2.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.52	+22 57.7	1.451	2.311	15.2	21.5
12 13	7 10.73	+23 8.1	1.406	2.332	10.6	21.3
12 23	7 0.34	+23 19.8	1.385	2.354	5.5	21.0
1 2	6 48.63	+23 29.8	1.391	2.375	0.3	20.7
1 12	6 37.21	+23 35.6	1.426	2.395	5.1	21.1
1 22	6 27.54	+23 37.2	1.487	2.416	9.8	21.4
2 1	6 20.66	+23 35.4	1.573	2.436	13.9	21.7
2 11	6 17.10	+23 31.7	1.679	2.456	17.2	22.0

494699 2004 TS_{92} 1 2.3 78.°97 7.°4/ 3.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.67	+ 2 48.6	1.969	2.775	13.9	21.1
12 13	7 5.42	+ 2 0.4	1.916	2.791	11.2	20.9
12 23	6 57.44	+ 1 29.2	1.887	2.806	8.7	20.8
1 2	6 48.54	+ 1 17.4	1.885	2.822	7.4	20.8
1 12	6 39.74	+ 1 25.1	1.910	2.837	8.1	20.8
1 22	6 31.98	+ 1 50.1	1.962	2.853	10.1	21.0
2 1	6 26.02	+ 2 29.0	2.038	2.868	12.6	21.2
2 11	6 22.36	+ 3 17.1	2.136	2.883	14.9	21.4

287142 2002 RY_{213} 1 2.3 78.°92 2.°7/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 17.88	+28 28.7	1.635	2.492	13.9	20.8
12 13	7 10.22	+29 7.6	1.590	2.513	9.8	20.6
12 23	7 0.08	+29 42.6	1.570	2.535	5.5	20.4
1 2	6 48.63	+30 8.6	1.577	2.556	2.7	20.3
1 12	6 37.40	+30 22.6	1.614	2.577	5.5	20.5
1 22	6 27.78	+30 24.8	1.677	2.598	9.6	20.8
2 1	6 20.81	+30 17.4	1.766	2.618	13.2	21.1
2 11	6 17.02	+30 3.7	1.875	2.639	16.2	21.3

483012 2014 UX_{45} 1 2.3 40.°32 4.°7/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.63	+12 36.7	1.507	2.358	15.2	20.0
12 13	7 6.45	+11 59.1	1.461	2.376	11.2	19.8
12 23	6 58.07	+11 33.4	1.438	2.394	7.2	19.6
1 2	6 48.57	+11 20.6	1.442	2.413	4.7	19.5
1 12	6 39.28	+11 20.4	1.472	2.432	6.4	19.7
1 22	6 31.40	+11 31.2	1.529	2.452	10.1	19.9
2 1	6 25.86	+11 50.5	1.610	2.472	13.7	20.2
2 11	6 23.17	+12 15.4	1.711	2.493	16.7	20.4

455776 2005 OM_{15} 1 2.3 64.°93 1.°3/ 2.4 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.23	+21 3.8	1.633	2.485	14.1	20.8
12 13	7 10.08	+20 29.8	1.595	2.516	9.9	20.7
12 23	6 59.82	+19 57.9	1.581	2.548	5.3	20.5
1 2	6 48.63	+19 28.1	1.597	2.579	1.4	20.3
1 12	6 37.90	+19 0.6	1.641	2.610	4.7	20.6
1 22	6 28.81	+18 36.4	1.714	2.641	9.0	20.9
2 1	6 22.21	+18 16.2	1.813	2.671	12.6	21.2
2 11	6 18.51	+18 0.3	1.933	2.701	15.6	21.4

25844 2000 EN_{85} 1 2.3 202.°87 4.°7/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.18	+ 8 37.6	2.301	3.124	11.6	18.1
12 13	7 4.34	+ 8 13.0	2.228	3.123	8.9	17.9
12 23	6 56.90	+ 7 59.2	2.180	3.121	6.3	17.7
1 2	6 48.54	+ 7 57.1	2.160	3.120	4.7	17.6
1 12	6 40.13	+ 8 6.5	2.169	3.118	5.7	17.7
1 22	6 32.51	+ 8 26.2	2.207	3.116	8.2	17.9
2 1	6 26.42	+ 8 54.1	2.271	3.114	11.0	18.0
2 11	6 22.39	+ 9 27.5	2.358	3.112	13.5	18.2

155113 2005 TO_{42} 1 2.3 73.°69 2.°3/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.29	+28 27.1	1.769	2.625	13.1	20.3
12 13	7 8.98	+28 48.4	1.720	2.643	9.2	20.1
12 23	6 59.39	+29 5.8	1.696	2.661	5.1	19.9
1 2	6 48.63	+29 15.5	1.700	2.680	2.3	19.8
1 12	6 38.06	+29 15.5	1.734	2.698	5.1	20.0
1 22	6 28.96	+29 6.4	1.795	2.717	8.9	20.2
2 1	6 22.27	+28 50.3	1.881	2.735	12.4	20.5
2 11	6 18.52	+28 30.0	1.989	2.753	15.3	20.7

216826 2006 VX_{68} 1 2.3 64.°48 2.°1/ 1.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.40	+26 20.3	1.559	2.418	14.3	20.2
12 13	7 9.89	+27 4.8	1.520	2.445	10.0	20.0
12 23	6 59.89	+27 47.4	1.505	2.472	5.4	19.8
1 2	6 48.65	+28 22.9	1.519	2.499	2.1	19.6
1 12	6 37.67	+28 47.9	1.561	2.527	5.3	19.9
1 22	6 28.36	+29 1.9	1.630	2.554	9.6	20.2
2 1	6 21.72	+29 6.4	1.724	2.581	13.3	20.5
2 11	6 18.27	+29 4.1	1.839	2.607	16.3	20.8

21753 Trudel 1 2.3 14.°59 1.°6/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.35	+17 0.5	1.393	2.255	15.5	18.2
12 13	7 7.46	+17 36.6	1.331	2.257	11.1	18.0
12 23	6 58.86	+18 23.8	1.292	2.259	6.1	17.7
1 2	6 48.62	+19 18.3	1.279	2.261	1.6	17.4
1 12	6 38.26	+20 15.5	1.294	2.264	5.3	17.7
1 22	6 29.28	+21 10.8	1.335	2.268	10.3	18.0
2 1	6 22.91	+22 1.6	1.399	2.271	14.8	18.2
2 11	6 19.88	+22 46.4	1.484	2.276	18.4	18.5

388548 2007 JZ_{31} 1 2.3 200.°19 0.°9/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.39	+23 47.0	1.788	2.640	13.1	21.5
12 13	7 9.99	+24 19.9	1.714	2.637	9.3	21.3
12 23	7 0.10	+24 54.7	1.666	2.633	4.9	21.0
1 2	6 48.67	+25 27.2	1.646	2.629	0.9	20.7
1 12	6 37.06	+25 53.9	1.656	2.624	4.8	21.0
1 22	6 26.64	+26 13.3	1.695	2.619	9.2	21.3
2 1	6 18.56	+26 25.6	1.759	2.613	13.2	21.5
2 11	6 13.53	+26 32.5	1.845	2.606	16.5	21.7

419006 2009 PV_{6} 1 2.3 207.°17 0.°9/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.35	+21 34.8	2.017	2.865	12.0	20.8
12 13	7 8.19	+21 11.3	1.942	2.862	8.5	20.6
12 23	6 58.99	+20 48.4	1.892	2.858	4.6	20.4
1 2	6 48.63	+20 25.6	1.872	2.855	0.9	20.1
1 12	6 38.25	+20 2.7	1.882	2.850	4.2	20.3
1 22	6 28.96	+19 40.5	1.921	2.846	8.3	20.6
2 1	6 21.68	+19 19.8	1.987	2.841	11.9	20.8
2 11	6 16.99	+19 1.6	2.076	2.836	14.9	21.0

464526 2016 CJ_{13} 1 2.3 32.°49 1.°6/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 13.07	+18 43.6	1.591	2.450	14.1	21.1
12 13	7 6.92	+18 43.0	1.531	2.455	10.0	20.8
12 23	6 58.43	+18 48.4	1.494	2.460	5.5	20.6
1 2	6 48.61	+18 58.2	1.484	2.466	1.6	20.3
1 12	6 38.81	+19 10.6	1.503	2.472	4.9	20.6
1 22	6 30.32	+19 24.2	1.548	2.478	9.4	20.8
2 1	6 24.16	+19 38.2	1.618	2.485	13.4	21.1
2 11	6 20.95	+19 52.0	1.709	2.492	16.7	21.3

425497 2010 GK_{101} 1 2.3 236.°22 0.°1/ 2.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.45	+21 32.2	2.533	3.379	9.9	21.8
12 13	7 4.56	+21 54.6	2.454	3.374	7.0	21.6
12 23	6 57.05	+22 19.7	2.401	3.368	3.7	21.4
1 2	6 48.58	+22 45.2	2.379	3.362	0.1	21.1
1 12	6 40.00	+23 9.5	2.388	3.357	3.4	21.4
1 22	6 32.15	+23 31.0	2.426	3.350	6.8	21.6
2 1	6 25.79	+23 49.3	2.492	3.344	9.8	21.7
2 11	6 21.46	+24 4.6	2.581	3.338	12.4	21.9

394816 2008 SX_{23} 1 2.3 222.°56 1.°5/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.72	+25 59.9	1.724	2.576	13.5	22.3
12 13	7 11.08	+26 21.4	1.645	2.567	9.6	22.1
12 23	7 0.74	+26 42.0	1.591	2.558	5.2	21.8
1 2	6 48.71	+26 57.5	1.566	2.547	1.5	21.5
1 12	6 36.45	+27 4.9	1.570	2.536	5.2	21.7
1 22	6 25.46	+27 3.7	1.602	2.525	9.7	22.0
2 1	6 16.97	+26 55.4	1.659	2.512	13.9	22.2
2 11	6 11.74	+26 42.7	1.738	2.500	17.3	22.4

416419 2003 UL_{205} 1 2.3 78.°27 1.°7/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.41	+19 0.1	2.068	2.914	11.8	20.6
12 13	7 6.61	+18 35.8	2.012	2.931	8.4	20.4
12 23	6 58.06	+18 14.8	1.983	2.947	4.6	20.2
1 2	6 48.61	+17 57.0	1.983	2.964	1.7	20.1
1 12	6 39.33	+17 42.3	2.013	2.980	4.2	20.3
1 22	6 31.16	+17 30.5	2.072	2.997	7.8	20.5
2 1	6 24.88	+17 21.9	2.158	3.013	11.0	20.8
2 11	6 20.96	+17 16.1	2.266	3.029	13.7	21.0

18404 Kenichi 1 2.3 310.°87 6.°1/31.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.72	+36 12.0	1.704	2.557	13.6	17.0
12 13	7 9.35	+37 11.8	1.626	2.539	10.4	16.7
12 23	7 0.00	+38 3.4	1.572	2.522	7.3	16.5
1 2	6 48.70	+38 39.1	1.544	2.505	6.1	16.4
1 12	6 37.03	+38 54.0	1.544	2.489	8.0	16.5
1 22	6 26.67	+38 47.4	1.570	2.473	11.4	16.6
2 1	6 19.03	+38 22.7	1.619	2.457	14.9	16.8
2 11	6 14.98	+37 45.5	1.687	2.442	18.0	17.0

136868 1998 FC_{49} 1 2.3 270.°99 4.°2/ 1.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.26	+33 46.3	1.996	2.843	12.2	19.7
12 13	7 9.25	+34 18.3	1.914	2.828	9.0	19.5
12 23	6 59.75	+34 43.3	1.857	2.813	5.8	19.3
1 2	6 48.70	+34 56.3	1.828	2.798	4.2	19.1
1 12	6 37.43	+34 54.2	1.828	2.782	6.1	19.2
1 22	6 27.31	+34 37.2	1.857	2.766	9.5	19.4
2 1	6 19.47	+34 8.2	1.910	2.750	12.9	19.6
2 11	6 14.66	+33 31.3	1.985	2.734	15.8	19.7

378477 2007 TO_{115} 1 2.3 91.°98 2.°2/ 1.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.53	+28 36.3	2.413	3.260	10.3	20.9
12 13	7 6.70	+29 18.9	2.362	3.280	7.3	20.8
12 23	6 58.14	+29 58.5	2.337	3.300	4.1	20.6
1 2	6 48.65	+30 31.8	2.342	3.319	2.2	20.5
1 12	6 39.22	+30 56.4	2.378	3.339	4.3	20.7
1 22	6 30.79	+31 11.5	2.443	3.358	7.3	20.9
2 1	6 24.13	+31 18.2	2.536	3.376	10.1	21.1
2 11	6 19.74	+31 18.1	2.651	3.395	12.4	21.3

124486 2001 RG_{25} 1 2.3 192.°79 0.°5/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.98	+23 53.4	1.652	2.506	13.9	20.3
12 13	7 10.49	+24 2.3	1.582	2.505	9.8	20.0
12 23	7 0.39	+24 11.6	1.536	2.504	5.2	19.8
1 2	6 48.74	+24 18.3	1.519	2.502	0.5	19.4
1 12	6 37.02	+24 20.2	1.530	2.499	4.9	19.7
1 22	6 26.66	+24 17.0	1.570	2.497	9.6	20.0
2 1	6 18.83	+24 9.8	1.635	2.493	13.8	20.2
2 11	6 14.22	+24 0.6	1.720	2.489	17.2	20.5

319955 2007 BG_{47} 1 2.3 143.°97 3.°5/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.13	+32 0.9	1.964	2.814	12.2	20.6
12 13	7 8.96	+32 29.1	1.899	2.817	8.9	20.4
12 23	6 59.49	+32 51.1	1.860	2.819	5.4	20.2
1 2	6 48.71	+33 2.5	1.848	2.822	3.5	20.1
1 12	6 37.93	+33 1.0	1.866	2.824	5.6	20.3
1 22	6 28.42	+32 47.0	1.912	2.826	9.0	20.5
2 1	6 21.19	+32 23.2	1.984	2.828	12.3	20.7
2 11	6 16.86	+31 53.1	2.077	2.830	15.1	20.9

113325 2002 RQ_{205} 1 2.4 273.°90 0.°5/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 11.45	+20 30.5	2.154	3.004	11.3	19.9
12 13	7 5.46	+20 44.4	2.079	3.000	8.0	19.6
12 23	6 57.61	+21 1.8	2.030	2.996	4.2	19.4
1 2	6 48.66	+21 20.7	2.009	2.992	0.6	19.1
1 12	6 39.61	+21 39.5	2.019	2.988	3.9	19.4
1 22	6 31.45	+21 56.7	2.058	2.984	7.7	19.6
2 1	6 25.04	+22 11.8	2.123	2.980	11.1	19.8
2 11	6 20.97	+22 24.8	2.211	2.976	13.9	20.0

517633 2014 YD_{56} 1 2.4 69.°10 5.°6/ 1.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.33	+38 30.5	2.106	2.944	12.0	21.5
12 13	7 9.13	+39 12.9	2.045	2.948	9.2	21.3
12 23	6 59.59	+39 44.5	2.010	2.953	6.6	21.2
1 2	6 48.73	+40 0.2	2.003	2.957	5.6	21.1
1 12	6 37.89	+39 57.3	2.024	2.961	6.9	21.2
1 22	6 28.35	+39 36.8	2.072	2.966	9.5	21.4
2 1	6 21.16	+39 2.3	2.146	2.970	12.3	21.6
2 11	6 16.90	+38 18.6	2.240	2.975	14.7	21.7

364398 2006 VV_{92} 1 2.4 57.°01 2.°9/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.93	+17 55.5	1.493	2.347	15.1	19.6
12 13	7 9.40	+17 6.4	1.451	2.371	10.8	19.4
12 23	6 59.60	+16 23.0	1.433	2.396	6.2	19.2
1 2	6 48.74	+15 46.2	1.442	2.420	2.9	19.0
1 12	6 38.25	+15 17.1	1.479	2.445	5.6	19.2
1 22	6 29.41	+14 55.9	1.544	2.470	9.8	19.5
2 1	6 23.13	+14 42.6	1.633	2.495	13.6	19.8
2 11	6 19.86	+14 35.9	1.743	2.520	16.7	20.1

325694 2009 UA_{22} 1 2.4 89.°74 4.°5/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.57	+ 9 27.9	1.950	2.781	13.1	21.1
12 13	7 5.53	+ 9 22.6	1.887	2.789	9.9	20.9
12 23	6 57.63	+ 9 30.2	1.848	2.796	6.6	20.8
1 2	6 48.68	+ 9 50.7	1.837	2.803	4.6	20.7
1 12	6 39.72	+10 22.5	1.854	2.810	5.8	20.7
1 22	6 31.76	+11 3.1	1.900	2.817	8.8	20.9
2 1	6 25.62	+11 49.5	1.971	2.825	12.0	21.2
2 11	6 21.88	+12 38.5	2.065	2.832	14.8	21.4

331407 2012 FW_{44} 1 2.4 317.°99 0.°2/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.86	+22 12.7	1.569	2.433	14.0	20.6
12 13	7 7.12	+22 34.7	1.492	2.420	9.9	20.3
12 23	6 58.75	+23 0.7	1.439	2.408	5.2	20.0
1 2	6 48.72	+23 27.4	1.413	2.396	0.3	19.6
1 12	6 38.43	+23 51.6	1.415	2.385	5.0	20.0
1 22	6 29.32	+24 11.2	1.443	2.374	9.9	20.2
2 1	6 22.63	+24 25.9	1.495	2.363	14.2	20.4
2 11	6 19.13	+24 36.4	1.568	2.353	17.9	20.7

468087 2013 TQ_{95} 1 2.4 36.°86 2.°7/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.61	+15 11.2	1.925	2.773	12.5	21.1
12 13	7 4.88	+15 6.1	1.865	2.781	9.1	20.9
12 23	6 57.29	+15 9.0	1.830	2.790	5.4	20.7
1 2	6 48.67	+15 19.2	1.822	2.800	2.7	20.5
1 12	6 40.09	+15 35.4	1.844	2.809	4.7	20.7
1 22	6 32.54	+15 55.9	1.893	2.819	8.3	20.9
2 1	6 26.86	+16 19.1	1.969	2.830	11.6	21.1
2 11	6 23.59	+16 43.6	2.066	2.840	14.5	21.4

200808 2001 XD_{166} 1 2.4 23.°50 0.°9/ 2.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.30	+19 37.0	0.952	1.838	18.8	19.8
12 13	7 7.29	+20 0.8	0.913	1.850	13.3	19.5
12 23	6 58.93	+20 34.0	0.893	1.864	7.0	19.2
1 2	6 48.73	+21 11.9	0.896	1.879	1.0	18.9
1 12	6 38.75	+21 49.5	0.923	1.896	6.2	19.3
1 22	6 30.86	+22 23.1	0.973	1.914	12.1	19.7
2 1	6 26.38	+22 51.2	1.044	1.934	17.1	20.0
2 11	6 25.88	+23 13.6	1.132	1.954	21.1	20.4

95453 2002 CK_{284} 1 2.4 125.°36 0.°5/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.34	+21 0.4	2.103	2.951	11.6	20.5
12 13	7 6.72	+21 6.3	2.038	2.959	8.1	20.3
12 23	6 58.23	+21 14.8	2.000	2.966	4.3	20.0
1 2	6 48.71	+21 24.1	1.990	2.973	0.5	19.8
1 12	6 39.21	+21 32.8	2.011	2.980	3.9	20.0
1 22	6 30.74	+21 40.1	2.061	2.987	7.7	20.3
2 1	6 24.13	+21 45.8	2.138	2.994	11.1	20.5
2 11	6 19.94	+21 50.3	2.237	3.000	13.9	20.7

404762 2014 JL_{40} 1 2.4 132.°61 0.°5/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.93	+19 40.3	1.692	2.543	13.8	21.5
12 13	7 9.60	+20 13.4	1.632	2.554	9.7	21.2
12 23	6 59.87	+20 52.2	1.597	2.564	5.2	21.0
1 2	6 48.77	+21 33.0	1.590	2.573	0.6	20.7
1 12	6 37.66	+22 12.3	1.613	2.583	4.6	21.0
1 22	6 27.86	+22 47.5	1.664	2.591	9.1	21.3
2 1	6 20.43	+23 17.7	1.741	2.599	13.1	21.5
2 11	6 16.00	+23 43.2	1.839	2.607	16.3	21.8

204923 2008 SZ_{260} 1 2.4 65°.14 0°.6/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 12.00	+20 27.4	2.021	2.873	11.8	20.4
12 13	7 5.84	+20 40.7	1.959	2.881	8.3	20.2
12 23	6 57.80	+20 57.6	1.923	2.890	4.4	20.0
1 2	6 48.70	+21 16.0	1.915	2.898	0.6	19.7
1 12	6 39.62	+21 34.0	1.937	2.907	4.0	20.0
1 22	6 31.57	+21 50.4	1.988	2.915	7.8	20.3
2 1	6 25.41	+22 4.7	2.065	2.924	11.3	20.5
2 11	6 21.69	+22 16.8	2.164	2.933	14.1	20.7

132315 2002 GU_{16} 1 2.4 181°.08 0°.0/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.07	+21 59.8	1.993	2.840	12.2	21.3
12 13	7 8.82	+22 18.9	1.921	2.842	8.6	21.1
12 23	6 59.42	+22 40.5	1.876	2.842	4.5	20.8
1 2	6 48.76	+23 1.6	1.859	2.842	0.2	20.5
1 12	6 38.02	+23 20.1	1.873	2.842	4.2	20.8
1 22	6 28.36	+23 34.7	1.916	2.841	8.3	21.1
2 1	6 20.74	+23 45.4	1.986	2.839	11.9	21.3
2 11	6 15.81	+23 53.1	2.078	2.836	14.9	21.5

506100 2016 AQ_{143} 1 2.4 283°.14 7°.6/ 4.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.35	+ 2 44.1	1.795	2.607	14.8	21.4
12 13	7 5.61	+ 2 21.1	1.720	2.600	12.0	21.2
12 23	6 57.80	+ 2 17.4	1.669	2.593	9.2	21.0
1 2	6 48.72	+ 2 35.2	1.642	2.587	7.6	20.9
1 12	6 39.47	+ 3 14.1	1.643	2.580	8.3	20.9
1 22	6 31.17	+ 4 11.0	1.670	2.573	10.8	21.0
2 1	6 24.79	+ 5 21.0	1.722	2.567	13.9	21.2
2 11	6 20.98	+ 6 38.5	1.795	2.560	16.7	21.4

419546 2010 OG_{64} 1 2.4 184°.31 5°.0/ 4.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 9.11	+ 4 59.0	2.456	3.264	11.4	21.0
12 13	7 3.58	+ 5 7.6	2.382	3.264	9.0	20.9
12 23	6 56.57	+ 5 30.1	2.332	3.264	6.5	20.7
1 2	6 48.68	+ 6 6.7	2.311	3.264	5.0	20.6
1 12	6 40.71	+ 6 55.9	2.319	3.264	5.7	20.6
1 22	6 33.45	+ 7 54.9	2.356	3.264	7.9	20.8
2 1	6 27.58	+ 9 0.3	2.421	3.264	10.4	21.0
2 11	6 23.62	+10 8.6	2.509	3.264	12.8	21.1

37507 3141 T_{-2} 1 2.4 161°.04 1°.4/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.44	+25 51.5	1.971	2.819	12.2	20.5
12 13	7 9.79	+26 14.5	1.905	2.826	8.6	20.2
12 23	6 59.92	+26 36.2	1.865	2.831	4.6	20.0
1 2	6 48.80	+26 53.4	1.855	2.837	1.4	19.8
1 12	6 37.67	+27 3.5	1.874	2.841	4.5	20.0
1 22	6 27.74	+27 6.2	1.923	2.845	8.5	20.3
2 1	6 20.00	+27 2.6	1.999	2.848	12.0	20.5
2 11	6 15.05	+26 54.9	2.096	2.850	14.9	20.7

122734 2000 SL_{49} 1 2.4 205°.43 2°.8/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.82	+16 22.6	1.719	2.566	13.8	20.2
12 13	7 8.83	+16 2.0	1.646	2.563	10.0	20.0
12 23	6 59.51	+15 48.0	1.598	2.560	5.9	19.7
1 2	6 48.80	+15 40.5	1.578	2.556	2.8	19.5
1 12	6 38.00	+15 38.9	1.586	2.552	5.3	19.7
1 22	6 28.39	+15 42.5	1.623	2.548	9.5	19.9
2 1	6 21.02	+15 50.5	1.685	2.543	13.4	20.1
2 11	6 16.55	+16 2.0	1.768	2.538	16.8	20.4

390596 2001 SB_{186} 1 2.4 144°.31 4°.2/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.04	+11 40.2	1.675	2.512	14.6	21.7
12 13	7 8.91	+11 34.2	1.613	2.521	10.8	21.5
12 23	6 59.50	+11 40.7	1.574	2.529	6.9	21.3
1 2	6 48.80	+11 59.3	1.564	2.536	4.3	21.2
1 12	6 38.10	+12 28.2	1.582	2.543	6.0	21.3
1 22	6 28.64	+13 4.8	1.628	2.549	9.7	21.5
2 1	6 21.45	+13 46.1	1.699	2.555	13.5	21.8
2 11	6 17.12	+14 29.2	1.791	2.560	16.6	22.0

355290 2007 RB_{154} 1 2.4 155°.21 1°.7/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.20	+17 41.1	1.962	2.804	12.6	22.3
12 13	7 8.81	+17 42.5	1.897	2.812	9.0	22.1
12 23	6 59.38	+17 49.3	1.857	2.820	5.0	21.9
1 2	6 48.80	+18 0.2	1.846	2.827	1.7	21.7
1 12	6 38.23	+18 13.6	1.866	2.833	4.4	21.9
1 22	6 28.79	+18 28.2	1.915	2.839	8.3	22.2
2 1	6 21.38	+18 43.4	1.990	2.844	11.9	22.4
2 11	6 16.58	+18 58.6	2.088	2.848	14.8	22.6

237663 2001 SH_{223} 1 2.4 49°.06 1°.9/ 2.7 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.03	+18 19.9	1.182	2.051	17.2	20.8
12 13	7 9.42	+18 21.2	1.138	2.067	12.2	20.6
12 23	6 59.89	+18 30.9	1.116	2.084	6.7	20.3
1 2	6 48.82	+18 46.7	1.120	2.101	2.0	20.1
1 12	6 38.00	+19 5.7	1.149	2.119	5.8	20.4
1 22	6 29.05	+19 25.7	1.203	2.138	11.0	20.7
2 1	6 23.14	+19 45.6	1.280	2.156	15.6	21.1
2 11	6 20.84	+20 4.5	1.376	2.175	19.2	21.4

419107 2009 SG_{180} 1 2.4 64°.16 1°.1/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 14.87	+26 5.8	1.824	2.680	12.7	21.5
12 13	7 8.07	+26 8.4	1.761	2.685	9.0	21.3
12 23	6 59.05	+26 8.9	1.723	2.691	4.8	21.0
1 2	6 48.80	+26 5.0	1.714	2.696	1.1	20.8
1 12	6 38.60	+25 55.4	1.733	2.701	4.5	21.0
1 22	6 29.68	+25 40.3	1.781	2.707	8.7	21.3
2 1	6 23.01	+25 21.5	1.854	2.712	12.4	21.5
2 11	6 19.17	+25 1.0	1.948	2.718	15.4	21.8

241546 2010 EV_{129} 1 2.4 276°.89 2°.0/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.48	+16 41.3	2.309	3.152	10.9	21.1
12 13	7 4.70	+16 32.8	2.227	3.143	7.9	20.9
12 23	6 57.23	+16 29.7	2.171	3.133	4.5	20.7
1 2	6 48.74	+16 31.3	2.144	3.123	2.0	20.5
1 12	6 40.13	+16 37.0	2.147	3.113	4.1	20.6
1 22	6 32.31	+16 45.9	2.179	3.103	7.5	20.8
2 1	6 26.05	+16 57.2	2.238	3.094	10.7	21.0
2 11	6 21.93	+17 10.2	2.320	3.084	13.4	21.2

460793 2014 WZ_{36} 1 2.4 167°.86 1°.0/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.24	+25 26.9	2.227	3.074	11.1	21.9
12 13	7 8.07	+25 40.9	2.158	3.078	7.8	21.7
12 23	6 58.97	+25 53.9	2.115	3.081	4.1	21.4
1 2	6 48.80	+26 3.3	2.102	3.084	1.0	21.2
1 12	6 38.61	+26 7.5	2.120	3.087	4.0	21.4
1 22	6 29.44	+26 6.1	2.167	3.089	7.6	21.7
2 1	6 22.16	+26 0.1	2.242	3.090	10.9	21.9
2 11	6 17.33	+25 51.0	2.339	3.091	13.6	22.1

424742 2008 SO_{286} 1 2.4 54°.71 3°.2/ 3.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.10	+12 7.2	1.780	2.620	13.7	20.4
12 13	7 6.57	+12 31.0	1.739	2.650	10.0	20.3
12 23	6 58.14	+13 6.6	1.723	2.680	6.1	20.1
1 2	6 48.77	+13 51.9	1.735	2.711	3.3	20.0
1 12	6 39.59	+14 43.4	1.776	2.741	5.0	20.2
1 22	6 31.66	+15 37.7	1.846	2.771	8.5	20.4
2 1	6 25.78	+16 31.7	1.941	2.802	11.8	20.7
2 11	6 22.44	+17 23.1	2.059	2.832	14.6	20.9

119456 2001 TQ_{191} 1 2.4 113°.47 1°.7/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.96	+18 29.6	1.886	2.735	12.7	19.9
12 13	7 7.29	+18 17.9	1.822	2.741	9.0	19.7
12 23	6 58.61	+18 10.8	1.783	2.747	5.0	19.5
1 2	6 48.79	+18 7.4	1.772	2.753	1.7	19.3
1 12	6 39.00	+18 7.0	1.791	2.758	4.5	19.5
1 22	6 30.34	+18 8.8	1.838	2.764	8.5	19.7
2 1	6 23.73	+18 12.6	1.911	2.769	12.1	19.9
2 11	6 19.72	+18 17.9	2.006	2.775	15.1	20.2

410085 2007 DP_{107} 1 2.4 39°.86 1°.3/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.11	+26 9.3	1.561	2.424	14.1	21.1
12 13	7 8.46	+26 14.3	1.506	2.433	9.9	20.9
12 23	6 59.32	+26 17.3	1.474	2.442	5.3	20.6
1 2	6 48.83	+26 15.4	1.470	2.452	1.3	20.4
1 12	6 38.46	+26 7.0	1.493	2.462	5.0	20.6
1 22	6 29.59	+25 52.5	1.544	2.473	9.5	20.9
2 1	6 23.30	+25 33.9	1.619	2.484	13.5	21.2
2 11	6 20.14	+25 13.4	1.714	2.495	16.8	21.5

84843 2003 AO_{20} 1 2.4 109°.10 4°.5/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.07	+ 5 20.8	2.485	3.292	11.4	19.7
12 13	7 4.23	+ 5 45.7	2.414	3.298	8.8	19.5
12 23	6 56.92	+ 6 24.6	2.369	3.304	6.3	19.4
1 2	6 48.75	+ 7 17.0	2.353	3.310	4.6	19.3
1 12	6 40.52	+ 8 20.6	2.367	3.316	5.3	19.3
1 22	6 33.02	+ 9 32.0	2.411	3.322	7.6	19.5
2 1	6 26.93	+10 47.6	2.483	3.328	10.1	19.6
2 11	6 22.74	+12 4.0	2.579	3.333	12.5	19.8

103180 1999 XF_{237} 1 2.4 256°.76 2°.4/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.24	+26 38.2	1.516	2.375	14.6	19.3
12 13	7 11.22	+27 22.0	1.436	2.361	10.5	19.0
12 23	7 1.10	+28 6.2	1.380	2.347	5.8	18.7
1 2	6 48.92	+28 44.9	1.352	2.332	2.4	18.5
1 12	6 36.32	+29 13.0	1.352	2.317	6.0	18.7
1 22	6 25.04	+29 28.4	1.378	2.302	10.9	18.9
2 1	6 16.55	+29 32.4	1.429	2.286	15.4	19.1
2 11	6 11.74	+29 28.3	1.499	2.270	19.2	19.3

9397 Lombardi 1 2.4 126°.75 1°.6/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.43	+18 20.0	1.894	2.740	12.8	19.7
12 13	7 8.30	+18 18.6	1.834	2.752	9.1	19.5
12 23	6 59.13	+18 22.1	1.799	2.763	5.0	19.3
1 2	6 48.85	+18 29.3	1.793	2.774	1.6	19.1
1 12	6 38.63	+18 38.7	1.816	2.784	4.4	19.3
1 22	6 29.59	+18 49.3	1.869	2.794	8.4	19.6
2 1	6 22.63	+19 0.5	1.948	2.804	12.0	19.8
2 11	6 18.31	+19 11.9	2.048	2.813	14.9	20.0

381331 2007 VS_{327} 1 2.4 357.°15 0.°9/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 12.45	+26 14.5	2.051	2.906	11.5	20.1
12 13	7 6.24	+26 6.8	1.981	2.904	8.1	19.9
12 23	6 58.08	+25 56.8	1.936	2.903	4.3	19.6
1 2	6 48.81	+25 42.9	1.920	2.903	0.9	19.4
1 12	6 39.56	+25 24.2	1.934	2.902	4.1	19.6
1 22	6 31.38	+25 1.5	1.976	2.902	8.0	19.9
2 1	6 25.16	+24 36.2	2.044	2.902	11.4	20.1
2 11	6 21.44	+24 10.2	2.135	2.903	14.3	20.3

251039 2006 QX_{166} 1 2.4 75.°91 6.°4/31.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.99	+37 0.5	1.680	2.527	14.1	19.5
12 13	7 12.08	+38 17.3	1.638	2.546	10.7	19.4
12 23	7 1.31	+39 22.5	1.620	2.565	7.6	19.2
1 2	6 48.93	+40 8.1	1.629	2.585	6.4	19.2
1 12	6 36.67	+40 30.0	1.665	2.604	8.1	19.4
1 22	6 26.13	+40 29.2	1.729	2.623	11.1	19.6
2 1	6 18.54	+40 10.3	1.815	2.642	14.1	19.8
2 11	6 14.49	+39 39.3	1.922	2.661	16.6	20.0

463808 2014 SD_{339} 1 2.4 292.°13 0.°8/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.90	+23 12.3	1.802	2.658	12.8	21.3
12 13	7 7.57	+23 48.0	1.731	2.656	9.0	21.0
12 23	6 58.91	+24 26.5	1.686	2.654	4.8	20.8
1 2	6 48.85	+25 3.8	1.669	2.652	0.8	20.5
1 12	6 38.64	+25 36.6	1.681	2.650	4.6	20.7
1 22	6 29.55	+26 2.7	1.722	2.648	8.9	21.0
2 1	6 22.64	+26 22.0	1.787	2.646	12.7	21.2
2 11	6 18.59	+26 35.5	1.874	2.644	15.9	21.4

258705 2002 GL_{59} 1 2.4 339.°84 3.°8/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.12	+32 30.4	1.489	2.353	14.6	19.3
12 13	7 8.91	+32 31.4	1.417	2.341	10.7	19.1
12 23	6 59.77	+32 23.1	1.368	2.331	6.5	18.8
1 2	6 48.88	+32 1.1	1.345	2.321	3.8	18.6
1 12	6 37.93	+31 24.0	1.349	2.312	6.4	18.8
1 22	6 28.55	+30 34.1	1.379	2.304	10.8	19.0
2 1	6 22.03	+29 36.1	1.432	2.297	14.9	19.2
2 11	6 19.05	+28 35.2	1.505	2.291	18.5	19.4

148728 2001 TG_{85} 1 2.4 72.°67 0.°5/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.85	+21 7.6	1.703	2.557	13.6	20.9
12 13	7 8.65	+21 14.1	1.657	2.580	9.5	20.7
12 23	6 59.30	+21 23.6	1.636	2.604	5.0	20.5
1 2	6 48.86	+21 33.7	1.644	2.627	0.6	20.2
1 12	6 38.65	+21 42.7	1.680	2.650	4.4	20.5
1 22	6 29.87	+21 49.7	1.745	2.673	8.7	20.8
2 1	6 23.41	+21 55.0	1.835	2.696	12.4	21.1
2 11	6 19.78	+21 59.0	1.946	2.718	15.4	21.4

219040 1995 ST_{34} 1 2.4 10.°02 0.°2/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.15	+21 48.5	1.809	2.666	12.8	20.9
12 13	7 6.93	+22 0.4	1.742	2.666	9.0	20.6
12 23	6 58.53	+22 15.1	1.699	2.667	4.7	20.4
1 2	6 48.84	+22 30.3	1.684	2.667	0.3	20.0
1 12	6 39.10	+22 43.8	1.698	2.668	4.4	20.4
1 22	6 30.49	+22 54.5	1.740	2.669	8.7	20.6
2 1	6 24.01	+23 2.3	1.808	2.670	12.5	20.9
2 11	6 20.28	+23 7.9	1.897	2.671	15.6	21.1

425513 2010 JA_{84} 1 2.4 335.°66 0.°8/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.94	+21 27.9	2.052	2.905	11.6	20.0
12 13	7 6.08	+22 40.6	1.975	2.898	8.2	19.8
12 23	6 58.13	+23 59.4	1.925	2.892	4.3	19.5
1 2	6 48.84	+25 19.4	1.904	2.887	0.8	19.2
1 12	6 39.27	+26 35.4	1.914	2.881	4.3	19.5
1 22	6 30.54	+27 43.6	1.953	2.876	8.2	19.7
2 1	6 23.64	+28 42.0	2.019	2.872	11.8	19.9
2 11	6 19.29	+29 30.5	2.107	2.867	14.7	20.1

103754 2000 CP_{122} 1 2.4 263.°46 0.°9/ 2.2 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.68	+24 45.5	2.127	2.979	11.3	19.9
12 13	7 6.42	+25 2.4	2.054	2.977	8.0	19.7
12 23	6 58.21	+25 19.3	2.007	2.974	4.2	19.5
1 2	6 48.85	+25 33.7	1.989	2.972	0.9	19.2
1 12	6 39.41	+25 43.7	2.001	2.969	4.1	19.4
1 22	6 30.95	+25 48.5	2.042	2.967	7.8	19.7
2 1	6 24.36	+25 48.6	2.109	2.964	11.2	19.9
2 11	6 20.22	+25 45.2	2.199	2.962	14.1	20.1

68648 2002 CT_{55} 1 2.4 167.°46 0.°5/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.45	+21 30.7	1.703	2.557	13.6	19.1
12 13	7 9.33	+21 32.3	1.636	2.559	9.6	18.8
12 23	6 59.81	+21 36.5	1.594	2.561	5.1	18.6
1 2	6 48.91	+21 41.2	1.579	2.563	0.5	18.2
1 12	6 37.98	+21 44.6	1.594	2.564	4.7	18.6
1 22	6 28.33	+21 46.1	1.637	2.565	9.2	18.8
2 1	6 21.04	+21 46.2	1.705	2.566	13.2	19.1
2 11	6 16.75	+21 45.5	1.795	2.566	16.5	19.3

287699 2003 QG_{38} 1 2.4 139.°21 0.°5/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 17.59	+23 53.5	1.925	2.773	12.5	21.5
12 13	7 9.86	+24 6.3	1.864	2.785	8.8	21.3
12 23	6 59.98	+24 19.1	1.829	2.796	4.6	21.0
1 2	6 48.92	+24 29.3	1.824	2.807	0.5	20.8
1 12	6 37.93	+24 35.0	1.849	2.817	4.3	21.1
1 22	6 28.20	+24 35.8	1.903	2.827	8.4	21.3
2 1	6 20.67	+24 32.7	1.983	2.836	12.0	21.6
2 11	6 15.92	+24 27.1	2.086	2.844	14.9	21.8

317518 2002 TX_{123} 1 2.4 53.°78 9.°7/ 2.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 25.89	+45 52.6	1.447	2.277	16.9	20.6
12 13	7 16.53	+46 32.6	1.411	2.298	13.6	20.4
12 23	7 3.62	+46 48.5	1.397	2.320	10.9	20.3
1 2	6 49.04	+46 32.5	1.408	2.342	9.7	20.3
1 12	6 35.17	+45 43.6	1.443	2.365	10.7	20.4
1 22	6 23.99	+44 27.9	1.504	2.387	13.1	20.6
2 1	6 16.70	+42 55.2	1.587	2.410	15.9	20.9
2 11	6 13.67	+41 15.6	1.689	2.433	18.4	21.1

367617 2009 UC_{16} 1 2.4 147.°20 1.°2/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.06	+20 25.4	2.264	3.105	11.1	21.0
12 13	7 7.79	+20 1.5	2.197	3.113	7.9	20.8
12 23	6 58.80	+19 39.1	2.157	3.121	4.3	20.6
1 2	6 48.88	+19 17.9	2.146	3.128	1.2	20.4
1 12	6 39.03	+18 57.8	2.168	3.135	3.9	20.6
1 22	6 30.20	+18 39.2	2.219	3.141	7.4	20.9
2 1	6 23.17	+18 22.8	2.297	3.147	10.6	21.1
2 11	6 18.44	+18 8.9	2.399	3.153	13.3	21.3

31660 Maximiliandu 1 2.4 321.°91 2.°8/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.53	+27 22.1	1.224	2.099	16.3	18.2
12 13	7 9.09	+27 54.8	1.149	2.081	11.7	17.9
12 23	7 0.17	+28 26.9	1.096	2.064	6.6	17.6
1 2	6 48.94	+28 52.1	1.067	2.047	2.8	17.3
1 12	6 37.26	+29 5.4	1.063	2.031	6.8	17.5
1 22	6 27.13	+29 5.4	1.084	2.016	12.3	17.7
2 1	6 20.22	+28 54.2	1.127	2.002	17.3	18.0
2 11	6 17.46	+28 35.7	1.187	1.989	21.6	18.2

293597 2007 JY_{36} 1 2.4 172.°04 2.°9/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.88	+14 3.5	1.756	2.596	13.8	21.1
12 13	7 8.86	+14 14.5	1.687	2.599	10.1	20.9
12 23	6 59.56	+14 36.1	1.642	2.602	6.0	20.6
1 2	6 48.91	+15 6.6	1.626	2.604	3.0	20.4
1 12	6 38.17	+15 43.6	1.639	2.605	5.2	20.6
1 22	6 28.56	+16 24.2	1.681	2.606	9.2	20.8
2 1	6 21.13	+17 6.2	1.749	2.606	13.1	21.1
2 11	6 16.53	+17 47.4	1.837	2.606	16.3	21.3

236175 2005 VD_{37} 1 2.4 47.°57 3.°6/ 3.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.16	+14 3.3	1.162	2.026	17.8	20.3
12 13	7 8.89	+14 14.7	1.117	2.041	12.9	20.0
12 23	6 59.71	+14 41.0	1.093	2.056	7.6	19.8
1 2	6 48.92	+15 20.0	1.093	2.072	3.6	19.6
1 12	6 38.28	+16 7.2	1.120	2.088	6.4	19.8
1 22	6 29.44	+16 58.2	1.171	2.105	11.3	20.2
2 1	6 23.58	+17 49.1	1.245	2.122	15.8	20.5
2 11	6 21.32	+18 37.2	1.337	2.139	19.6	20.8

463675 2014 OX_{85} 1 2.4 55.°05 1.°4/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.34	+15 56.2	1.434	2.287	15.7	20.7
12 13	7 9.88	+16 58.8	1.401	2.322	11.1	20.6
12 23	7 0.00	+18 11.5	1.393	2.358	6.0	20.4
1 2	6 48.93	+19 28.4	1.412	2.394	1.5	20.1
1 12	6 38.18	+20 43.5	1.460	2.429	4.9	20.5
1 22	6 29.09	+21 52.3	1.535	2.465	9.5	20.8
2 1	6 22.65	+22 52.4	1.636	2.500	13.4	21.1
2 11	6 19.36	+23 43.5	1.758	2.536	16.5	21.4

381282 2007 TU_{355} 1 2.4 69.°88 2.°2/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.43	+13 51.8	2.205	3.040	11.6	20.7
12 13	7 5.92	+14 25.0	2.158	3.069	8.3	20.6
12 23	6 57.80	+15 6.6	2.138	3.097	4.9	20.4
1 2	6 48.85	+15 54.4	2.147	3.125	2.2	20.3
1 12	6 40.02	+16 45.5	2.187	3.153	4.0	20.5
1 22	6 32.17	+17 37.2	2.256	3.180	7.2	20.7
2 1	6 26.03	+18 27.2	2.353	3.208	10.2	20.9
2 11	6 22.06	+19 14.1	2.474	3.235	12.8	21.2

255963 2006 TV_{38} 1 2.4 102.°75 1.°8/ 2.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.62	+26 52.3	1.935	2.784	12.4	21.3
12 13	7 9.84	+27 22.9	1.886	2.806	8.7	21.1
12 23	6 59.94	+27 51.1	1.863	2.828	4.7	20.9
1 2	6 48.94	+28 13.1	1.868	2.849	1.8	20.8
1 12	6 38.09	+28 26.7	1.904	2.870	4.6	21.0
1 22	6 28.58	+28 31.4	1.969	2.890	8.4	21.3
2 1	6 21.32	+28 28.9	2.060	2.909	11.7	21.5
2 11	6 16.84	+28 21.3	2.173	2.928	14.5	21.7

188726 2005 UX_{41} 1 2.4 75°.03 3°.9/ 1.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 16.05	+30 28.0	1.814	2.668	12.9	20.1
12 13	7 9.17	+31 38.7	1.757	2.677	9.3	19.9
12 23	6 59.80	+32 45.7	1.725	2.685	5.7	19.7
1 2	6 48.94	+33 42.5	1.722	2.694	3.9	19.6
1 12	6 37.98	+34 24.4	1.747	2.703	6.1	19.7
1 22	6 28.31	+34 49.9	1.801	2.711	9.7	20.0
2 1	6 21.05	+35 0.7	1.879	2.720	13.0	20.2
2 11	6 16.87	+35 0.4	1.978	2.729	15.8	20.4

219455 2000 WY_{153} 1 2.4 16°.71 9°.3/ 1.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.21	+ 4 47.8	1.626	2.445	15.8	18.8
12 13	7 8.32	+ 2 39.0	1.567	2.449	12.9	18.6
12 23	6 59.23	+ 0 44.6	1.533	2.452	10.3	18.4
1 2	6 48.92	− 0 48.1	1.525	2.456	9.3	18.4
1 12	6 38.65	− 1 54.3	1.544	2.461	10.4	18.5
1 22	6 29.64	− 2 33.0	1.588	2.467	12.9	18.6
2 1	6 22.86	− 2 46.3	1.656	2.473	15.6	18.8
2 11	6 18.89	− 2 39.7	1.742	2.479	18.2	19.0

234475 2001 SJ_{298} 1 2.4 181°.90 2°.5/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.37	+30 50.9	2.489	3.333	10.1	20.6
12 13	7 6.73	+31 10.3	2.417	3.334	7.3	20.5
12 23	6 58.31	+31 25.2	2.373	3.334	4.3	20.3
1 2	6 48.88	+31 32.7	2.358	3.334	2.5	20.2
1 12	6 39.43	+31 31.2	2.374	3.333	4.4	20.3
1 22	6 30.91	+31 20.8	2.419	3.333	7.4	20.5
2 1	6 24.13	+31 3.0	2.491	3.332	10.2	20.7
2 11	6 19.62	+30 40.3	2.585	3.331	12.6	20.8

203845 2002 VN_{62} 1 2.4 36°.34 1°.2/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.06	+26 6.6	1.834	2.693	12.5	19.8
12 13	7 6.76	+26 10.8	1.779	2.705	8.8	19.6
12 23	6 58.37	+26 13.1	1.750	2.717	4.7	19.4
1 2	6 48.88	+26 11.3	1.748	2.730	1.2	19.2
1 12	6 39.52	+26 4.1	1.775	2.743	4.4	19.4
1 22	6 31.42	+25 51.8	1.830	2.757	8.4	19.7
2 1	6 25.49	+25 35.8	1.910	2.771	11.9	19.9
2 11	6 22.26	+25 17.9	2.012	2.786	14.9	20.2

456477 2006 WJ_{70} 1 2.4 42°.85 2°.6/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.88	+27 37.2	1.398	2.265	15.2	21.2
12 13	7 9.24	+28 12.6	1.353	2.281	10.7	21.0
12 23	6 59.83	+28 45.2	1.331	2.298	5.9	20.8
1 2	6 48.94	+29 9.6	1.335	2.315	2.6	20.6
1 12	6 38.24	+29 22.6	1.366	2.333	5.9	20.9
1 22	6 29.27	+29 23.9	1.424	2.351	10.4	21.2
2 1	6 23.17	+29 16.0	1.505	2.369	14.4	21.5
2 11	6 20.49	+29 1.9	1.605	2.388	17.6	21.7

402215 2004 YW_{13} 1 2.4 343°.08 0°.4/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.73	+20 9.1	1.497	2.358	14.7	20.9
12 13	7 8.46	+20 39.0	1.430	2.357	10.4	20.6
12 23	6 59.52	+21 15.5	1.387	2.355	5.5	20.3
1 2	6 48.94	+21 54.9	1.371	2.354	0.5	19.9
1 12	6 38.20	+22 33.2	1.383	2.353	5.0	20.3
1 22	6 28.78	+23 7.5	1.421	2.352	10.0	20.6
2 1	6 21.91	+23 36.7	1.484	2.352	14.4	20.8
2 11	6 18.32	+24 1.0	1.567	2.351	17.9	21.1

460010 2014 OK_{115} 1 2.4 92°.12 0°.3/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.22	+22 0.0	1.636	2.492	13.9	21.3
12 13	7 9.14	+22 1.8	1.578	2.503	9.8	21.1
12 23	6 59.69	+22 5.7	1.546	2.513	5.1	20.9
1 2	6 48.94	+22 9.6	1.540	2.524	0.4	20.5
1 12	6 38.29	+22 11.8	1.564	2.534	4.7	20.9
1 22	6 29.04	+22 11.8	1.615	2.544	9.2	21.2
2 1	6 22.23	+22 10.2	1.692	2.554	13.2	21.4
2 11	6 18.43	+22 7.7	1.789	2.564	16.4	21.7

465312 2007 UJ_{26} 1 2.4 88°.96 4°.0/ 1.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.24	+34 4.1	2.313	3.156	10.8	21.3
12 13	7 7.50	+34 52.9	2.254	3.165	8.0	21.1
12 23	6 58.77	+35 35.1	2.221	3.174	5.3	21.0
1 2	6 48.91	+36 6.4	2.218	3.183	4.0	20.9
1 12	6 39.02	+36 24.1	2.244	3.192	5.6	21.0
1 22	6 30.20	+36 27.9	2.299	3.201	8.3	21.2
2 1	6 23.33	+36 19.8	2.379	3.210	11.0	21.4
2 11	6 18.98	+36 3.0	2.482	3.219	13.3	21.6

389 Industria 1 2.4 281°.52 0°.1/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.53	+24 3.8	1.751	2.606	13.2	11.9
12 13	7 8.74	+23 49.0	1.675	2.599	9.3	11.7
12 23	6 59.55	+23 33.3	1.624	2.592	4.9	11.4
1 2	6 48.95	+23 14.9	1.602	2.585	0.2	11.0
1 12	6 38.28	+22 53.5	1.608	2.578	4.6	11.4
1 22	6 28.83	+22 29.6	1.643	2.571	9.1	11.6
2 1	6 21.69	+22 5.0	1.702	2.564	13.1	11.8
2 11	6 17.51	+21 41.4	1.783	2.557	16.5	12.1

401898 2001 SO_{269} 1 2.4 66°.40 2°.5/ 2.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 16.51	+28 28.3	1.659	2.517	13.7	21.2
12 13	7 9.39	+28 53.4	1.608	2.532	9.7	21.0
12 23	6 59.83	+29 14.7	1.581	2.547	5.4	20.8
1 2	6 48.96	+29 27.9	1.582	2.562	2.5	20.6
1 12	6 38.24	+29 30.8	1.612	2.577	5.3	20.8
1 22	6 29.04	+29 23.5	1.669	2.592	9.4	21.1
2 1	6 22.38	+29 8.4	1.751	2.608	13.1	21.4
2 11	6 18.82	+28 48.5	1.854	2.623	16.1	21.6

48687 1996 EO_{6} 1 2.4 60°.49 8°.3/ 4.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.92	+ 2 1.7	1.547	2.363	16.6	18.9
12 13	7 6.74	+ 1 39.3	1.500	2.381	13.4	18.7
12 23	6 58.40	+ 1 39.9	1.473	2.398	10.2	18.6
1 2	6 48.91	+ 2 5.0	1.472	2.416	8.4	18.5
1 12	6 39.54	+ 2 52.9	1.497	2.434	8.9	18.6
1 22	6 31.46	+ 3 58.8	1.547	2.452	11.4	18.8
2 1	6 25.63	+ 5 16.3	1.622	2.470	14.4	19.0
2 11	6 22.57	+ 6 39.1	1.717	2.489	17.1	19.3

453345 2008 YA_{109} 1 2.4 345°.86 1°.2/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.71	+17 58.9	1.359	2.223	15.7	20.8
12 13	7 7.95	+18 33.3	1.293	2.220	11.2	20.5
12 23	6 59.34	+19 18.2	1.249	2.216	6.1	20.2
1 2	6 48.96	+20 9.8	1.231	2.214	1.3	19.9
1 12	6 38.35	+21 3.3	1.240	2.211	5.4	20.1
1 22	6 29.11	+21 54.4	1.275	2.209	10.6	20.4
2 1	6 22.56	+22 40.6	1.334	2.208	15.2	20.7
2 11	6 19.48	+23 20.8	1.412	2.207	19.1	20.9

94545 2001 UU_{188} 1 2.4 204°.63 1°.1/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.39	+25 26.2	1.777	2.628	13.2	20.3
12 13	7 10.78	+25 37.2	1.702	2.624	9.4	20.1
12 23	7 0.65	+25 47.0	1.653	2.620	5.0	19.8
1 2	6 49.01	+25 52.5	1.632	2.615	1.1	19.5
1 12	6 37.25	+25 51.5	1.641	2.609	4.8	19.8
1 22	6 26.76	+25 43.8	1.679	2.603	9.3	20.0
2 1	6 18.68	+25 31.1	1.742	2.596	13.2	20.2
2 11	6 13.69	+25 15.6	1.826	2.589	16.6	20.5

8817 Roytraver 1 2.4 192°.76 0°.6/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.46	+22 42.7	1.639	2.492	14.0	17.7
12 13	7 11.00	+23 17.0	1.568	2.491	9.9	17.4
12 23	7 0.84	+23 54.7	1.522	2.489	5.2	17.1
1 2	6 49.02	+24 31.2	1.504	2.487	0.6	16.8
1 12	6 37.02	+25 2.6	1.515	2.484	5.0	17.1
1 22	6 26.32	+25 27.0	1.554	2.480	9.8	17.4
2 1	6 18.15	+25 44.3	1.619	2.476	13.9	17.6
2 11	6 13.25	+25 56.0	1.704	2.471	17.4	17.8

323120 2003 AF_{46} 1 2.4 341°.65 3°.2/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.91	+31 34.5	1.449	2.312	15.0	19.8
12 13	7 10.16	+31 21.2	1.379	2.304	10.9	19.5
12 23	7 0.44	+30 58.3	1.332	2.297	6.3	19.2
1 2	6 49.00	+30 22.4	1.312	2.290	3.2	19.0
1 12	6 37.58	+29 32.9	1.319	2.285	6.1	19.2
1 22	6 27.84	+28 33.1	1.352	2.280	10.7	19.4
2 1	6 21.04	+27 28.1	1.409	2.276	15.0	19.7
2 11	6 17.85	+26 23.3	1.486	2.272	18.7	19.9

22774 1999 CA_{19} 1 2.4 166°.73 1°.1/ 2.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.37	+24 28.2	2.387	3.235	10.4	18.2
12 13	7 6.09	+25 10.0	2.316	3.236	7.3	18.0
12 23	6 58.03	+25 52.9	2.271	3.238	3.9	17.8
1 2	6 48.92	+26 33.5	2.257	3.239	1.1	17.6
1 12	6 39.69	+27 9.2	2.274	3.240	3.8	17.8
1 22	6 31.30	+27 38.1	2.320	3.241	7.2	18.0
2 1	6 24.56	+28 0.2	2.394	3.242	10.3	18.2
2 11	6 20.06	+28 16.3	2.490	3.243	12.9	18.4

466968 2016 BP_{6} 1 2.4 1°.13 9°.2/ 5.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.44	− 1 26.6	1.696	2.495	16.1	20.3
12 13	7 5.06	− 1 49.0	1.630	2.494	13.4	20.1
12 23	6 57.60	− 1 47.2	1.585	2.494	10.9	20.0
1 2	6 48.90	− 1 18.2	1.565	2.494	9.3	19.9
1 12	6 40.10	− 0 23.1	1.570	2.494	9.7	19.9
1 22	6 32.32	+ 0 54.0	1.601	2.495	11.8	20.0
2 1	6 26.52	+ 2 26.6	1.655	2.496	14.5	20.2
2 11	6 23.35	+ 4 7.2	1.731	2.498	17.2	20.4

82490 2001 OR_{37} 1 2.4 37°.64 2°.9/ 1.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.31	+28 19.2	1.993	2.848	11.8	18.9
12 13	7 7.07	+29 26.2	1.933	2.855	8.4	18.7
12 23	6 58.66	+30 31.9	1.898	2.862	4.9	18.5
1 2	6 48.95	+31 30.7	1.893	2.869	2.9	18.4
1 12	6 39.13	+32 18.4	1.917	2.876	5.2	18.5
1 22	6 30.38	+32 53.0	1.969	2.884	8.7	18.8
2 1	6 23.69	+33 15.2	2.047	2.892	11.9	19.0
2 11	6 19.72	+33 27.0	2.147	2.900	14.7	19.2

148491 2001 KP_{48} 1 2.4 217°.75 2°.1/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 16.54	+16 15.6	1.586	2.436	14.6	20.4
12 13	7 9.67	+16 36.2	1.512	2.430	10.6	20.1
12 23	7 0.17	+17 7.0	1.461	2.425	6.0	19.8
1 2	6 49.02	+17 45.4	1.438	2.419	2.1	19.6
1 12	6 37.62	+18 28.0	1.443	2.412	5.2	19.7
1 22	6 27.42	+19 11.6	1.477	2.405	9.9	20.0
2 1	6 19.63	+19 53.8	1.535	2.398	14.3	20.2
2 11	6 15.02	+20 33.4	1.614	2.390	17.9	20.5

124578 2001 SE_{14} 1 2.4 325°.62 5°.2/ 1.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.69	+32 22.5	1.275	2.143	16.3	19.2
12 13	7 11.26	+33 8.9	1.210	2.135	12.0	18.9
12 23	7 1.28	+33 48.2	1.166	2.128	7.6	18.6
1 2	6 49.06	+34 12.3	1.147	2.120	5.2	18.5
1 12	6 36.61	+34 16.1	1.154	2.114	7.9	18.6
1 22	6 25.97	+33 59.7	1.186	2.108	12.5	18.8
2 1	6 18.73	+33 27.9	1.239	2.102	17.0	19.1
2 11	6 15.70	+32 46.9	1.311	2.097	20.7	19.3

466898 2015 DF_{169} 1 2.4 265°.99 7°.0/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.55	+ 2 54.0	2.301	3.101	12.4	20.6
12 13	7 4.73	+ 1 54.8	2.224	3.094	10.1	20.4
12 23	6 57.30	+ 1 9.0	2.172	3.087	8.0	20.3
1 2	6 48.91	+ 0 39.4	2.148	3.080	7.0	20.2
1 12	6 40.42	+ 0 27.4	2.151	3.073	7.7	20.2
1 22	6 32.69	+ 0 32.5	2.182	3.065	9.6	20.4
2 1	6 26.46	+ 0 52.4	2.238	3.058	12.0	20.5
2 11	6 22.27	+ 1 23.7	2.315	3.051	14.2	20.7

164695 1997 UJ_{16} 1 2.4 152°.20 2°.7/ 1.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.98	+31 43.2	2.813	3.651	9.3	22.1
12 13	7 7.00	+32 14.6	2.748	3.660	6.7	21.9
12 23	6 58.43	+32 41.4	2.710	3.668	4.1	21.8
1 2	6 48.95	+33 0.6	2.703	3.676	2.7	21.7
1 12	6 39.47	+33 10.5	2.728	3.683	4.2	21.8
1 22	6 30.84	+33 10.9	2.782	3.689	6.8	22.0
2 1	6 23.79	+33 3.0	2.864	3.695	9.3	22.1
2 11	6 18.82	+32 48.9	2.969	3.701	11.5	22.3

41003 1999 UZ_{12} 1 2.4 122°.23 0°.7/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.67	+24 24.0	1.848	2.698	12.8	19.8
12 13	7 9.99	+24 36.5	1.791	2.713	9.0	19.6
12 23	7 0.10	+24 48.7	1.760	2.727	4.7	19.4
1 2	6 49.02	+24 57.6	1.758	2.741	0.7	19.1
1 12	6 38.06	+25 1.5	1.786	2.754	4.4	19.4
1 22	6 28.44	+25 0.1	1.842	2.767	8.6	19.7
2 1	6 21.10	+24 54.6	1.925	2.779	12.2	20.0
2 11	6 16.61	+24 46.6	2.029	2.790	15.2	20.2

10889 1997 AO_{1} 1 2.4 175°.53 0°.3/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 7.49	+20 53.4	3.363	4.205	7.8	18.0
12 13	7 2.25	+21 6.8	3.288	4.205	5.5	17.8
12 23	6 55.88	+21 22.2	3.240	4.206	2.9	17.7
1 2	6 48.86	+21 38.3	3.223	4.206	0.3	17.4
1 12	6 41.80	+21 54.0	3.238	4.207	2.6	17.7
1 22	6 35.29	+22 8.6	3.283	4.207	5.2	17.8
2 1	6 29.85	+22 21.7	3.357	4.207	7.6	18.0
2 11	6 25.89	+22 33.1	3.456	4.207	9.6	18.1

466690 2014 WW_{310} 1 2.4 88°.92 0°.8/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.61	+24 55.3	1.934	2.788	12.2	21.5
12 13	7 7.82	+25 2.3	1.873	2.796	8.6	21.3
12 23	6 58.97	+25 8.6	1.838	2.805	4.5	21.1
1 2	6 48.99	+25 11.8	1.831	2.813	0.8	20.8
1 12	6 39.07	+25 10.5	1.853	2.822	4.2	21.1
1 22	6 30.34	+25 4.4	1.905	2.831	8.2	21.3
2 1	6 23.71	+24 54.7	1.982	2.839	11.8	21.6
2 11	6 19.74	+24 43.0	2.081	2.847	14.7	21.8

197086 2003 UE_{182} 1 2.4 296°.77 5°.3/ 1.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.70	+36 29.5	2.069	2.912	12.0	20.4
12 13	7 8.91	+37 27.0	2.001	2.909	9.1	20.2
12 23	6 59.71	+38 16.3	1.958	2.905	6.4	20.1
1 2	6 49.03	+38 51.5	1.944	2.902	5.3	20.0
1 12	6 38.19	+39 8.9	1.957	2.898	6.9	20.1
1 22	6 28.51	+39 8.2	1.999	2.895	9.7	20.2
2 1	6 21.10	+38 52.2	2.065	2.892	12.6	20.4
2 11	6 16.66	+38 25.1	2.152	2.889	15.1	20.6

24647 Maksimachev 1 2.4 151°.79 1°.9/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.64	+27 12.1	1.820	2.667	13.1	19.3
12 13	7 12.21	+27 35.4	1.759	2.678	9.3	19.1
12 23	7 1.34	+27 56.0	1.723	2.688	5.1	18.9
1 2	6 49.10	+28 9.6	1.716	2.697	1.9	18.7
1 12	6 36.91	+28 13.8	1.740	2.705	5.0	18.9
1 22	6 26.15	+28 8.9	1.792	2.712	9.1	19.1
2 1	6 17.87	+27 56.7	1.871	2.718	12.8	19.4
2 11	6 12.68	+27 40.3	1.970	2.724	15.8	19.6

46351 2001 SD_{226} 1 2.4 229°.55 0°.4/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 11.47	+23 31.8	2.573	3.420	9.8	20.1
12 13	7 5.37	+23 48.1	2.493	3.413	6.9	19.9
12 23	6 57.65	+24 5.1	2.439	3.405	3.6	19.6
1 2	6 48.95	+24 21.0	2.415	3.398	0.4	19.4
1 12	6 40.15	+24 34.2	2.422	3.390	3.4	19.6
1 22	6 32.09	+24 43.7	2.459	3.383	6.8	19.8
2 1	6 25.53	+24 49.7	2.524	3.374	9.8	20.0
2 11	6 21.02	+24 52.7	2.612	3.366	12.3	20.2

125176 2001 UP_{109} 1 2.4 102°.56 0°.7/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.58	+23 8.4	1.631	2.483	14.2	20.2
12 13	7 11.46	+23 40.3	1.584	2.506	9.9	20.0
12 23	7 0.91	+24 13.6	1.562	2.529	5.2	19.8
1 2	6 49.08	+24 44.1	1.568	2.551	0.7	19.5
1 12	6 37.45	+25 8.5	1.604	2.573	4.8	19.9
1 22	6 27.38	+25 25.7	1.668	2.594	9.2	20.2
2 1	6 19.91	+25 36.5	1.758	2.614	13.1	20.5
2 11	6 15.57	+25 42.5	1.869	2.633	16.2	20.7

498848 2008 WH_{129} 1 2.4 287°.72 0°.7/ 2.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.23	+22 9.4	2.239	3.087	11.0	20.3
12 13	7 6.76	+21 40.2	2.151	3.071	7.8	20.1
12 23	6 58.43	+21 10.6	2.090	3.056	4.2	19.8
1 2	6 48.99	+20 40.3	2.058	3.041	0.8	19.5
1 12	6 39.44	+20 9.6	2.057	3.025	3.9	19.7
1 22	6 30.78	+19 39.3	2.085	3.010	7.7	19.9
2 1	6 23.86	+19 10.6	2.140	2.995	11.1	20.1
2 11	6 19.27	+18 44.6	2.218	2.980	14.0	20.3

35374 1997 VK 1 2.4 59°.26 3°.7/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.62	+15 9.3	1.360	2.217	16.1	18.7
12 13	7 8.98	+14 45.1	1.308	2.228	11.8	18.4
12 23	6 59.73	+14 31.0	1.277	2.239	7.0	18.2
1 2	6 49.04	+14 27.2	1.273	2.250	3.7	18.0
1 12	6 38.47	+14 32.7	1.295	2.261	6.2	18.2
1 22	6 29.47	+14 45.9	1.344	2.273	10.7	18.5
2 1	6 23.14	+15 4.8	1.416	2.284	14.9	18.8
2 11	6 20.09	+15 27.2	1.507	2.296	18.3	19.0

417136 2005 VM_{58} 1 2.4 297°.99 2°.2/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.34	+28 21.7	1.842	2.697	12.6	21.1
12 13	7 8.59	+28 38.1	1.773	2.696	9.0	20.9
12 23	6 59.49	+28 51.0	1.729	2.694	5.0	20.7
1 2	6 49.03	+28 57.1	1.713	2.693	2.2	20.5
1 12	6 38.53	+28 54.1	1.726	2.691	5.0	20.7
1 22	6 29.25	+28 42.2	1.767	2.690	9.0	20.9
2 1	6 22.26	+28 23.3	1.833	2.689	12.6	21.1
2 11	6 18.20	+28 0.3	1.921	2.687	15.7	21.3

484982 2009 UB_{58} 1 2.4 46°.80 7°.2/ 1.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.86	+34 37.2	1.059	1.931	18.5	20.8
12 13	7 13.65	+35 53.4	1.022	1.947	13.8	20.6
12 23	7 2.49	+36 56.9	1.007	1.964	9.2	20.4
1 2	6 49.16	+37 36.6	1.014	1.981	7.2	20.3
1 12	6 36.15	+37 47.2	1.046	2.000	9.6	20.5
1 22	6 25.71	+37 31.0	1.102	2.018	13.8	20.8
2 1	6 19.33	+36 55.5	1.178	2.037	17.9	21.1
2 11	6 17.53	+36 9.1	1.271	2.057	21.3	21.4

73481 2002 PO_{69} 1 2.4 23°.32 4°.0/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.50	+12 48.3	1.984	2.823	12.5	18.1
12 13	7 5.56	+12 10.5	1.917	2.826	9.3	17.9
12 23	6 57.78	+11 41.0	1.875	2.828	6.0	17.7
1 2	6 48.98	+11 21.1	1.861	2.831	4.0	17.6
1 12	6 40.19	+11 11.0	1.877	2.835	5.5	17.7
1 22	6 32.38	+11 10.3	1.920	2.838	8.7	17.9
2 1	6 26.38	+11 17.5	1.988	2.842	11.9	18.1
2 11	6 22.73	+11 30.9	2.079	2.845	14.7	18.3

128930 2004 TA_{79} 1 2.4 94°.50 1°.9/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.93	+27 19.1	1.609	2.461	14.3	20.1
12 13	7 12.40	+27 34.6	1.565	2.486	10.0	19.9
12 23	7 1.38	+27 46.4	1.545	2.511	5.4	19.7
1 2	6 49.13	+27 50.7	1.554	2.535	1.9	19.5
1 12	6 37.21	+27 45.7	1.592	2.558	5.1	19.8
1 22	6 27.02	+27 32.4	1.658	2.581	9.4	20.1
2 1	6 19.58	+27 13.3	1.749	2.603	13.2	20.4
2 11	6 15.38	+26 51.5	1.861	2.625	16.2	20.6

157135 2004 OC_{3} 1 2.4 104°.19 1°.6/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.73	+18 35.7	1.667	2.514	14.2	20.9
12 13	7 10.74	+18 36.1	1.618	2.537	10.0	20.7
12 23	7 0.49	+18 41.8	1.595	2.560	5.5	20.5
1 2	6 49.10	+18 50.9	1.600	2.582	1.6	20.3
1 12	6 37.94	+19 1.6	1.634	2.603	4.7	20.6
1 22	6 28.26	+19 12.9	1.697	2.624	9.0	20.9
2 1	6 21.01	+19 24.3	1.786	2.644	12.8	21.1
2 11	6 16.72	+19 35.6	1.896	2.663	15.9	21.4

30258 2000 HA_{33} 1 2.4 245°.58 3°.9/ 3.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 12.99	+10 8.0	1.935	2.765	13.2	19.0
12 13	7 6.83	+10 28.3	1.853	2.757	9.9	18.8
12 23	6 58.59	+11 2.5	1.796	2.748	6.4	18.6
1 2	6 49.04	+11 49.9	1.768	2.739	4.0	18.4
1 12	6 39.25	+12 47.8	1.768	2.730	5.4	18.5
1 22	6 30.33	+13 52.4	1.798	2.720	8.9	18.6
2 1	6 23.25	+15 0.0	1.854	2.710	12.5	18.8
2 11	6 18.71	+16 7.2	1.932	2.700	15.6	19.0

269221 2008 OE_{20} 1 2.4 112°.80 0°.7/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.83	+20 2.0	2.134	2.982	11.5	20.9
12 13	7 6.44	+20 13.5	2.070	2.990	8.1	20.7
12 23	6 58.24	+20 28.6	2.032	2.998	4.3	20.5
1 2	6 49.02	+20 45.5	2.022	3.005	0.8	20.2
1 12	6 39.80	+21 2.4	2.044	3.013	3.8	20.5
1 22	6 31.55	+21 18.1	2.094	3.020	7.6	20.7
2 1	6 25.12	+21 32.1	2.171	3.027	10.9	21.0
2 11	6 21.03	+21 44.4	2.270	3.034	13.7	21.2

179881 2002 UZ_{8} 1 2.4 69°.80 6°.5/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.32	+ 5 2.3	1.618	2.439	15.8	19.8
12 13	7 7.62	+ 4 58.9	1.574	2.464	12.2	19.7
12 23	6 58.86	+ 5 15.2	1.552	2.489	8.8	19.5
1 2	6 49.04	+ 5 51.1	1.557	2.514	6.6	19.5
1 12	6 39.40	+ 6 43.8	1.590	2.538	7.4	19.6
1 22	6 31.08	+ 7 48.6	1.650	2.563	10.2	19.8
2 1	6 24.98	+ 9 0.3	1.734	2.587	13.4	20.0
2 11	6 21.59	+10 13.9	1.840	2.611	16.2	20.3

320837 2008 FF_{62} 1 2.4 265°.51 0°.3/ 2.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.82	+22 50.4	1.917	2.769	12.4	22.0
12 13	7 8.30	+23 6.7	1.829	2.751	8.8	21.7
12 23	6 59.44	+23 25.3	1.766	2.734	4.7	21.4
1 2	6 49.08	+23 43.3	1.732	2.716	0.3	21.0
1 12	6 38.42	+23 58.3	1.728	2.697	4.4	21.3
1 22	6 28.72	+24 9.0	1.752	2.678	8.8	21.6
2 1	6 21.06	+24 15.5	1.802	2.659	12.7	21.8
2 11	6 16.21	+24 18.8	1.874	2.640	16.1	21.9

247240 2001 QX_{273} 1 2.4 119°.04 6°.9/ 5.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.66	− 3 14.2	2.582	3.345	12.2	19.9
12 13	7 4.62	− 3 2.9	2.516	3.356	10.1	19.8
12 23	6 57.19	− 2 33.1	2.473	3.366	8.2	19.7
1 2	6 48.99	− 1 44.3	2.458	3.376	7.0	19.6
1 12	6 40.77	− 0 37.9	2.472	3.386	7.2	19.6
1 22	6 33.28	+ 0 42.5	2.515	3.396	8.6	19.7
2 1	6 27.16	+ 2 12.4	2.586	3.405	10.6	19.9
2 11	6 22.87	+ 3 46.9	2.680	3.415	12.5	20.1

303340 2004 TP_{203} 1 2.4 214°.77 4°.1/ 1.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.06	+31 42.7	1.780	2.630	13.3	20.6
12 13	7 11.51	+32 32.1	1.707	2.625	9.7	20.4
12 23	7 1.19	+33 16.4	1.660	2.619	6.0	20.2
1 2	6 49.15	+33 49.3	1.640	2.613	4.1	20.0
1 12	6 36.89	+34 6.6	1.650	2.606	6.4	20.2
1 22	6 25.94	+34 7.7	1.687	2.599	10.1	20.4
2 1	6 17.56	+33 55.2	1.749	2.591	13.8	20.6
2 11	6 12.52	+33 33.5	1.832	2.583	16.9	20.8

71220 1999 YY_{8} 1 2.4 199°.65 1°.6/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.58	+26 42.5	2.008	2.857	12.0	20.2
12 13	7 9.34	+27 0.7	1.934	2.855	8.5	20.0
12 23	6 59.88	+27 17.1	1.886	2.851	4.6	19.8
1 2	6 49.10	+27 28.3	1.867	2.848	1.6	19.5
1 12	6 38.22	+27 32.3	1.877	2.844	4.5	19.7
1 22	6 28.46	+27 28.8	1.917	2.839	8.5	20.0
2 1	6 20.82	+27 19.0	1.984	2.834	12.0	20.2
2 11	6 15.93	+27 5.1	2.072	2.829	15.0	20.4

46533 1981 EO_{23} 1 2.4 32°.72 0°.5/ 2.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.43	+21 41.1	1.125	2.000	17.5	18.7
12 13	7 10.10	+21 43.9	1.074	2.006	12.4	18.4
12 23	7 0.54	+21 51.0	1.044	2.013	6.5	18.1
1 2	6 49.13	+21 59.2	1.038	2.021	0.6	17.7
1 12	6 37.81	+22 6.1	1.058	2.029	5.9	18.1
1 22	6 28.41	+22 10.4	1.102	2.038	11.6	18.5
2 1	6 22.27	+22 12.8	1.168	2.048	16.5	18.8
2 11	6 20.04	+22 13.9	1.252	2.057	20.5	19.1

455556 2004 NW_{21} 1 2.4 115°.66 3°.8/ 3.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.56	+10 20.2	1.870	2.695	13.8	21.7
12 13	7 9.76	+10 41.9	1.818	2.719	10.2	21.5
12 23	6 59.97	+11 16.6	1.791	2.743	6.5	21.4
1 2	6 49.11	+12 2.6	1.793	2.765	3.9	21.2
1 12	6 38.37	+12 56.6	1.825	2.786	5.3	21.4
1 22	6 28.85	+13 55.0	1.887	2.807	8.7	21.6
2 1	6 21.43	+14 54.3	1.976	2.826	12.1	21.9
2 11	6 16.63	+15 52.0	2.087	2.845	14.9	22.1

83083 2001 QC_{226} 1 2.4 275°.48 5°.2/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 12.73	+10 10.2	1.795	2.631	13.8	19.4
12 13	7 6.68	+ 9 36.7	1.720	2.624	10.6	19.1
12 23	6 58.51	+ 9 14.9	1.669	2.617	7.2	18.9
1 2	6 49.06	+ 9 6.3	1.644	2.610	5.2	18.8
1 12	6 39.46	+ 9 11.2	1.648	2.603	6.6	18.9
1 22	6 30.87	+ 9 28.2	1.679	2.596	9.9	19.0
2 1	6 24.26	+ 9 55.0	1.735	2.589	13.3	19.2
2 11	6 20.29	+10 28.5	1.812	2.582	16.4	19.4

174730 2003 UJ_{182} 1 2.4 119°.51 0°.0/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.69	+21 58.1	1.972	2.817	12.4	22.0
12 13	7 9.87	+22 15.5	1.918	2.837	8.7	21.8
12 23	7 0.02	+22 34.6	1.891	2.857	4.5	21.6
1 2	6 49.12	+22 52.9	1.893	2.876	0.2	21.2
1 12	6 38.34	+23 8.2	1.925	2.894	4.1	21.6
1 22	6 28.81	+23 19.7	1.987	2.911	8.1	21.9
2 1	6 21.40	+23 27.6	2.076	2.928	11.5	22.1
2 11	6 16.66	+23 32.9	2.187	2.944	14.3	22.4

186899 2004 KN_{17} 1 2.4 174°.22 1°.4/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.53	+28 6.8	2.789	3.627	9.4	21.1
12 13	7 8.06	+28 13.6	2.716	3.631	6.6	21.0
12 23	6 59.01	+28 17.3	2.670	3.634	3.7	20.8
1 2	6 49.08	+28 15.8	2.656	3.636	1.4	20.6
1 12	6 39.16	+28 8.2	2.673	3.638	3.6	20.8
1 22	6 30.10	+27 54.5	2.722	3.639	6.5	21.0
2 1	6 22.62	+27 36.1	2.799	3.639	9.3	21.2
2 11	6 17.21	+27 14.8	2.900	3.638	11.6	21.3

464341 2016 AH_{115} 1 2.4 27°.72 6°.8/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 22.45	+40 42.8	1.542	2.383	15.4	20.3
12 13	7 13.97	+40 43.6	1.485	2.388	11.9	20.1
12 23	7 2.38	+40 25.8	1.450	2.394	8.5	19.9
1 2	6 49.21	+39 43.9	1.442	2.401	6.8	19.8
1 12	6 36.44	+38 37.8	1.462	2.408	8.2	19.9
1 22	6 25.81	+37 12.5	1.507	2.415	11.4	20.1
2 1	6 18.51	+35 36.3	1.577	2.423	14.9	20.3
2 11	6 15.01	+33 57.5	1.668	2.431	17.9	20.6

240358 2003 SA_{46} 1 2.4 111°.16 1°.5/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.57	+25 56.0	1.808	2.658	13.1	21.3
12 13	7 10.69	+26 24.1	1.756	2.677	9.2	21.1
12 23	7 0.53	+26 50.8	1.730	2.696	4.9	20.9
1 2	6 49.14	+27 12.1	1.732	2.714	1.5	20.7
1 12	6 37.90	+27 25.4	1.765	2.731	4.7	20.9
1 22	6 28.08	+27 30.4	1.826	2.748	8.8	21.2
2 1	6 20.64	+27 28.5	1.913	2.765	12.4	21.5
2 11	6 16.15	+27 22.0	2.021	2.780	15.3	21.7

180247 2003 UY_{263} 1 2.4 60°.30 2°.3/ 2.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.67	+27 33.5	1.114	1.986	17.8	20.3
12 13	7 13.07	+27 43.2	1.071	2.001	12.6	20.0
12 23	7 2.04	+27 48.6	1.048	2.017	6.8	19.7
1 2	6 49.21	+27 44.7	1.051	2.032	2.3	19.5
1 12	6 36.74	+27 29.6	1.079	2.048	6.4	19.8
1 22	6 26.56	+27 5.0	1.132	2.064	11.8	20.2
2 1	6 19.97	+26 35.1	1.207	2.080	16.5	20.5
2 11	6 17.48	+26 3.8	1.300	2.097	20.3	20.8

406217 2007 AM_{31} 1 2.4 10°.20 0°.2/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.98	+26 47.3	1.241	2.113	16.3	19.4
12 13	7 9.52	+25 47.5	1.185	2.116	11.5	19.1
12 23	7 0.10	+24 41.2	1.151	2.121	6.1	18.8
1 2	6 49.13	+23 29.1	1.143	2.126	0.3	18.4
1 12	6 38.42	+22 14.1	1.162	2.133	5.5	18.8
1 22	6 29.62	+21 1.1	1.206	2.142	10.9	19.1
2 1	6 23.88	+19 54.4	1.274	2.151	15.5	19.4
2 11	6 21.73	+18 56.6	1.360	2.162	19.3	19.7

283150 2008 YT_{149} 1 2.4 217°.07 2°.2/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.31	+32 1.1	2.748	3.583	9.6	20.9
12 13	7 8.64	+31 44.7	2.666	3.578	6.9	20.7
12 23	6 59.32	+31 21.7	2.612	3.571	4.1	20.5
1 2	6 49.11	+30 50.2	2.588	3.565	2.2	20.4
1 12	6 38.95	+30 10.1	2.597	3.558	3.9	20.5
1 22	6 29.73	+29 22.9	2.636	3.551	6.8	20.7
2 1	6 22.20	+28 31.2	2.704	3.543	9.6	20.8
2 11	6 16.86	+27 37.8	2.797	3.536	11.9	21.0

63697 2001 QY_{177} 1 2.4 199°.84 3°.1/ 3.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.39	+11 42.3	2.376	3.206	11.1	19.6
12 13	7 4.64	+11 50.3	2.300	3.205	8.2	19.4
12 23	6 57.31	+12 7.8	2.251	3.204	5.2	19.2
1 2	6 49.03	+12 34.2	2.230	3.202	3.2	19.1
1 12	6 40.66	+13 8.0	2.240	3.201	4.5	19.2
1 22	6 33.04	+13 47.2	2.279	3.199	7.4	19.4
2 1	6 26.91	+14 29.4	2.345	3.198	10.3	19.5
2 11	6 22.79	+15 12.7	2.435	3.196	12.9	19.7

296407 2009 GY_3 1 2.4 51°.94 7°.7/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 13.97	+ 6 30.2	1.573	2.403	15.8	20.4
12 13	7 7.55	+ 5 17.4	1.518	2.411	12.4	20.3
12 23	6 58.93	+ 4 20.6	1.486	2.420	9.3	20.1
1 2	6 49.09	+ 3 43.6	1.480	2.430	7.7	20.0
1 12	6 39.34	+ 3 28.2	1.500	2.439	8.7	20.1
1 22	6 30.86	+ 3 33.1	1.546	2.449	11.5	20.3
2 1	6 24.64	+ 3 54.9	1.616	2.459	14.7	20.5
2 11	6 21.23	+ 4 28.7	1.704	2.469	17.5	20.7

317926 2003 UH_{347} 1 2.4 207°.11 3°.2/ 3.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.75	+14 7.1	1.821	2.662	13.4	20.6
12 13	7 8.11	+14 2.6	1.746	2.658	9.9	20.4
12 23	6 59.28	+14 7.5	1.696	2.655	6.0	20.1
1 2	6 49.12	+14 21.2	1.674	2.651	3.2	20.0
1 12	6 38.82	+14 42.2	1.682	2.646	5.2	20.1
1 22	6 29.57	+15 8.7	1.717	2.641	9.1	20.3
2 1	6 22.37	+15 38.7	1.779	2.636	12.9	20.5
2 11	6 17.88	+16 10.4	1.861	2.630	16.1	20.7

7653 1991 UV 1 2.4 146°.75 1°.0/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.12	+19 52.2	1.722	2.571	13.7	17.5
12 13	7 10.47	+19 56.4	1.660	2.580	9.7	17.3
12 23	7 0.48	+20 4.8	1.623	2.589	5.2	17.0
1 2	6 49.16	+20 15.3	1.614	2.597	1.1	16.8
1 12	6 37.88	+20 25.8	1.635	2.604	4.6	17.0
1 22	6 27.93	+20 35.5	1.685	2.611	9.1	17.3
2 1	6 20.34	+20 44.1	1.760	2.617	13.0	17.6
2 11	6 15.71	+20 52.0	1.856	2.623	16.2	17.8

202503 2006 BZ_{146} 1 2.4 285°.36 2°.2/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.14	+17 40.3	1.498	2.355	14.9	20.6
12 13	7 8.97	+17 35.7	1.413	2.335	10.8	20.3
12 23	6 59.99	+17 38.6	1.351	2.316	6.2	20.0
1 2	6 49.15	+17 47.8	1.316	2.297	2.2	19.7
1 12	6 37.90	+18 1.7	1.308	2.277	5.5	19.8
1 22	6 27.78	+18 18.7	1.327	2.258	10.6	20.1
2 1	6 20.14	+18 37.4	1.370	2.238	15.3	20.3
2 11	6 15.87	+18 57.1	1.432	2.219	19.2	20.5

518256 2016 VV 1 2.4 126°.52 16°.2/ 3.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.13	− 7 56.2	1.255	2.032	21.9	21.1
12 13	7 11.61	−10 11.6	1.211	2.042	19.3	20.9
12 23	7 1.22	−11 52.6	1.186	2.052	17.2	20.8
1 2	6 49.20	−12 49.2	1.182	2.061	16.2	20.8
1 12	6 37.22	−12 57.5	1.198	2.069	16.7	20.9
1 22	6 26.88	−12 21.1	1.236	2.077	18.3	21.0
2 1	6 19.43	−11 8.9	1.292	2.085	20.5	21.2
2 11	6 15.54	− 9 33.2	1.363	2.092	22.7	21.4

27424 2000 EB_{186} 1 2.4 141°.16 0°.7/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.50	+20 12.8	1.771	2.618	13.5	20.4
12 13	7 10.69	+20 28.4	1.711	2.631	9.5	20.2
12 23	7 0.57	+20 48.0	1.677	2.643	5.1	20.0
1 2	6 49.17	+21 8.9	1.671	2.654	0.7	19.7
1 12	6 37.82	+21 28.7	1.695	2.664	4.5	20.0
1 22	6 27.78	+21 45.9	1.748	2.673	8.9	20.2
2 1	6 20.06	+22 0.4	1.827	2.682	12.7	20.5
2 11	6 15.27	+22 12.5	1.927	2.690	15.8	20.7

1638 Ruanda 1 2.4 171°.67 0°.1/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.87	+21 58.1	2.411	3.254	10.5	16.7
12 13	7 7.08	+22 8.7	2.339	3.258	7.4	16.5
12 23	6 58.58	+22 20.8	2.294	3.261	3.9	16.3
1 2	6 49.10	+22 32.7	2.280	3.263	0.2	16.0
1 12	6 39.58	+22 42.9	2.296	3.265	3.5	16.3
1 22	6 30.94	+22 50.6	2.342	3.266	7.0	16.5
2 1	6 23.95	+22 55.9	2.416	3.266	10.2	16.7
2 11	6 19.15	+22 59.2	2.513	3.267	12.8	16.9

503712 2016 JL_{21} 1 2.4 341°.27 4°.9/ 1.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.40	+34 41.9	1.969	2.819	12.2	20.8
12 13	7 8.08	+35 37.8	1.901	2.815	9.1	20.6
12 23	6 59.35	+36 26.8	1.858	2.811	6.2	20.4
1 2	6 49.13	+37 3.1	1.843	2.807	4.9	20.3
1 12	6 38.76	+37 22.9	1.857	2.804	6.6	20.4
1 22	6 29.54	+37 25.8	1.898	2.802	9.7	20.6
2 1	6 22.60	+37 14.0	1.963	2.799	12.8	20.8
2 11	6 18.63	+36 51.6	2.049	2.797	15.4	20.9

169618 2002 GB_{130} 1 2.4 226°.77 3°.6/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.96	+13 51.4	1.778	2.620	13.7	20.5
12 13	7 8.31	+13 31.0	1.702	2.613	10.1	20.3
12 23	6 59.41	+13 19.5	1.650	2.607	6.3	20.1
1 2	6 49.14	+13 17.2	1.625	2.599	3.7	19.9
1 12	6 38.72	+13 23.6	1.629	2.592	5.6	20.0
1 22	6 29.36	+13 37.5	1.662	2.584	9.5	20.2
2 1	6 22.09	+13 57.2	1.719	2.576	13.3	20.4
2 11	6 17.60	+14 20.8	1.798	2.567	16.5	20.6

416600 2004 PV_{68} 1 2.4 30°.77 4°.2/ 2.7 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.58	+34 33.1	1.216	2.081	17.1	19.4
12 13	7 12.50	+34 3.4	1.185	2.109	12.4	19.2
12 23	7 1.46	+33 19.6	1.176	2.138	7.4	19.0
1 2	6 49.21	+32 19.7	1.192	2.168	4.2	18.9
1 12	6 37.80	+31 6.1	1.235	2.200	6.6	19.2
1 22	6 28.83	+29 45.1	1.304	2.232	11.0	19.5
2 1	6 23.26	+28 23.5	1.396	2.265	15.0	19.8
2 11	6 21.37	+27 6.5	1.508	2.299	18.2	20.1

200118 1996 AG_{20} 1 2.4 54°.34 5°.8/ 1.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.68	+34 10.1	1.242	2.106	16.9	19.7
12 13	7 13.14	+34 55.8	1.197	2.119	12.5	19.5
12 23	7 2.14	+35 30.1	1.174	2.132	8.1	19.3
1 2	6 49.26	+35 45.1	1.176	2.146	5.8	19.2
1 12	6 36.63	+35 37.4	1.204	2.161	8.2	19.3
1 22	6 26.23	+35 9.3	1.257	2.175	12.3	19.6
2 1	6 19.41	+34 27.0	1.332	2.190	16.3	19.9
2 11	6 16.71	+33 37.4	1.426	2.205	19.7	20.2

148803 2001 US_{99} 1 2.4 141°.68 1°.0/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.84	+19 18.0	1.872	2.723	12.7	20.3
12 13	7 7.43	+19 28.2	1.804	2.725	9.0	20.1
12 23	6 58.90	+19 43.3	1.761	2.727	4.9	19.8
1 2	6 49.14	+20 1.4	1.746	2.729	1.1	19.6
1 12	6 39.32	+20 20.5	1.761	2.730	4.3	19.8
1 22	6 30.58	+20 38.9	1.804	2.732	8.5	20.0
2 1	6 23.88	+20 56.1	1.873	2.734	12.2	20.3
2 11	6 19.83	+21 11.8	1.964	2.735	15.3	20.5

450338 2004 TO_{165} 1 2.4 98°.04 3°.8/ 3.1 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.41	+13 39.9	1.542	2.388	15.2	22.2
12 13	7 9.33	+13 23.5	1.488	2.402	11.1	22.0
12 23	6 59.90	+13 18.0	1.457	2.415	6.8	21.7
1 2	6 49.19	+13 23.1	1.454	2.429	3.9	21.6
1 12	6 38.58	+13 37.6	1.479	2.442	5.9	21.8
1 22	6 29.40	+13 59.3	1.530	2.455	10.0	22.0
2 1	6 22.64	+14 26.1	1.607	2.468	13.8	22.3
2 11	6 18.89	+14 55.6	1.704	2.480	17.0	22.5

205732 2002 AZ_{151} 1 2.4 349°.72 0°.2/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.41	+21 15.9	1.199	2.074	16.6	19.9
12 13	7 8.09	+21 35.9	1.135	2.068	11.8	19.6
12 23	6 59.62	+22 2.2	1.094	2.063	6.3	19.3
1 2	6 49.18	+22 30.8	1.076	2.060	0.4	18.8
1 12	6 38.55	+22 57.8	1.085	2.056	5.7	19.2
1 22	6 29.50	+23 20.7	1.117	2.054	11.4	19.5
2 1	6 23.47	+23 38.8	1.172	2.053	16.4	19.8
2 11	6 21.24	+23 52.4	1.245	2.053	20.4	20.1

196070 2002 TA_{65} 1 2.4 86°.89 3°.8/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.32	+12 29.4	2.186	3.019	11.8	19.6
12 13	7 5.96	+11 50.8	2.125	3.030	8.8	19.4
12 23	6 57.97	+11 20.2	2.090	3.041	5.7	19.3
1 2	6 49.11	+10 58.5	2.084	3.053	3.9	19.2
1 12	6 40.32	+10 46.1	2.108	3.064	5.2	19.3
1 22	6 32.48	+10 42.5	2.160	3.075	8.1	19.5
2 1	6 26.34	+10 46.5	2.239	3.086	11.0	19.7
2 11	6 22.36	+10 56.5	2.340	3.097	13.5	19.9

238368 2004 CP_{59} 1 2.4 259°.39 4°.7/ 4.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.84	+ 4 37.9	2.615	3.415	11.1	20.4
12 13	7 4.96	+ 5 0.7	2.520	3.399	8.7	20.3
12 23	6 57.52	+ 5 38.0	2.450	3.382	6.3	20.1
1 2	6 49.10	+ 6 29.6	2.410	3.364	4.8	20.0
1 12	6 40.45	+ 7 34.0	2.401	3.347	5.4	20.0
1 22	6 32.37	+ 8 47.9	2.421	3.329	7.7	20.1
2 1	6 25.57	+10 7.7	2.470	3.311	10.3	20.2
2 11	6 20.64	+11 29.7	2.544	3.293	12.7	20.4

149424 2003 BT_{22} 1 2.4 313°.61 5°.4/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.59	+11 39.5	1.681	2.522	14.3	19.2
12 13	7 7.40	+10 37.8	1.607	2.514	10.9	19.0
12 23	6 58.95	+ 9 45.3	1.557	2.506	7.4	18.8
1 2	6 49.16	+ 9 4.9	1.533	2.499	5.4	18.7
1 12	6 39.26	+ 8 38.4	1.538	2.492	7.0	18.7
1 22	6 30.46	+ 8 26.2	1.570	2.485	10.5	18.9
2 1	6 23.81	+ 8 26.9	1.625	2.478	14.1	19.1
2 11	6 19.95	+ 8 38.0	1.701	2.472	17.3	19.3

41503 2000 QG_{148} 1 2.4 136°.61 17°.2/ 6.0 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.68	−13 13.5	1.328	2.072	22.5	19.4
12 13	7 11.25	−15 2.0	1.284	2.083	20.3	19.2
12 23	7 1.05	−16 11.6	1.257	2.093	18.4	19.1
1 2	6 49.25	−16 33.6	1.249	2.103	17.3	19.1
1 12	6 37.48	−16 5.3	1.262	2.112	17.4	19.1
1 22	6 27.27	−14 52.0	1.295	2.120	18.6	19.2
2 1	6 19.85	−13 3.6	1.346	2.127	20.4	19.4
2 11	6 15.87	−10 53.4	1.414	2.134	22.4	19.6

128177 Griffioen 1 2.4 164°.05 3°.5/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 11.56	+12 2.9	2.119	2.953	12.1	20.3
12 13	7 5.61	+11 56.4	2.048	2.954	9.0	20.1
12 23	6 57.88	+11 59.6	2.002	2.955	5.7	19.9
1 2	6 49.13	+12 12.4	1.984	2.956	3.6	19.8
1 12	6 40.31	+12 33.7	1.996	2.957	5.0	19.9
1 22	6 32.37	+13 1.7	2.037	2.957	8.1	20.1
2 1	6 26.12	+13 34.2	2.104	2.958	11.3	20.3
2 11	6 22.12	+14 9.2	2.193	2.958	14.1	20.5

302423 2002 CD_{249} 1 2.4 231°.32 3°.6/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 8.77	+ 9 50.2	2.599	3.423	10.4	21.2
12 13	7 3.41	+ 9 47.3	2.524	3.422	7.9	21.0
12 23	6 56.65	+ 9 53.9	2.475	3.421	5.3	20.9
1 2	6 49.08	+10 10.2	2.455	3.421	3.7	20.8
1 12	6 41.43	+10 35.0	2.465	3.420	4.6	20.8
1 22	6 34.46	+11 6.9	2.504	3.419	7.1	21.0
2 1	6 28.82	+11 43.7	2.570	3.419	9.7	21.2
2 11	6 24.97	+12 23.3	2.660	3.418	12.0	21.3

338126 2002 QD_{87} 1 2.4 121°.83 0°.4/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.62	+22 0.1	1.514	2.368	14.9	21.4
12 13	7 11.82	+22 38.0	1.459	2.383	10.5	21.2
12 23	7 1.32	+23 19.7	1.429	2.396	5.5	20.9
1 2	6 49.28	+24 0.1	1.426	2.409	0.5	20.6
1 12	6 37.29	+24 35.2	1.453	2.422	5.1	21.0
1 22	6 26.87	+25 3.0	1.507	2.434	9.9	21.3
2 1	6 19.17	+25 23.5	1.585	2.445	14.0	21.5
2 11	6 14.84	+25 38.1	1.685	2.456	17.4	21.8

241119 2007 PB_{15} 1 2.4 108°.12 2°.0/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.27	+16 5.1	1.660	2.507	14.2	20.1
12 13	7 9.22	+16 29.6	1.603	2.521	10.2	19.9
12 23	6 59.87	+17 3.3	1.571	2.534	5.7	19.7
1 2	6 49.22	+17 43.5	1.567	2.548	2.0	19.4
1 12	6 38.60	+18 26.8	1.592	2.561	4.8	19.7
1 22	6 29.28	+19 10.0	1.645	2.573	9.1	19.9
2 1	6 22.28	+19 51.1	1.724	2.585	13.0	20.2
2 11	6 18.20	+20 29.0	1.824	2.597	16.2	20.5

173375 2000 AV_{230} 1 2.4 300°.75 2°.1/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.18	+16 0.6	1.575	2.430	14.4	20.3
12 13	7 7.54	+16 25.2	1.488	2.410	10.5	20.0
12 23	6 59.26	+17 1.4	1.425	2.390	6.0	19.7
1 2	6 49.21	+17 47.1	1.389	2.370	2.2	19.4
1 12	6 38.71	+18 38.5	1.381	2.351	5.2	19.6
1 22	6 29.19	+19 32.0	1.400	2.331	10.1	19.8
2 1	6 21.95	+20 24.2	1.443	2.312	14.6	20.0
2 11	6 17.87	+21 13.3	1.507	2.294	18.4	20.2

318694 Keszthelyi 1 2.4 165°.19 2°.9/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.54	+31 3.9	1.995	2.842	12.2	21.4
12 13	7 10.04	+31 18.6	1.928	2.845	8.8	21.2
12 23	7 0.29	+31 27.4	1.886	2.847	5.2	21.0
1 2	6 49.26	+31 26.6	1.873	2.849	2.9	20.8
1 12	6 38.25	+31 14.4	1.890	2.851	5.1	21.0
1 22	6 28.50	+30 51.6	1.935	2.852	8.7	21.2
2 1	6 21.01	+30 21.1	2.007	2.854	12.1	21.4
2 11	6 16.37	+29 46.2	2.100	2.855	14.9	21.6

348058 2003 UD_{236} 1 2.4 116°.63 3°.9/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.33	+34 19.1	2.233	3.075	11.2	21.0
12 13	7 9.03	+34 46.6	2.173	3.084	8.3	20.8
12 23	6 59.69	+35 6.4	2.139	3.093	5.4	20.6
1 2	6 49.24	+35 14.6	2.134	3.102	3.9	20.6
1 12	6 38.84	+35 9.4	2.158	3.110	5.5	20.7
1 22	6 29.63	+34 51.6	2.211	3.119	8.3	20.9
2 1	6 22.50	+34 23.7	2.291	3.127	11.2	21.1
2 11	6 18.01	+33 49.4	2.392	3.135	13.6	21.3

319006 2005 UT_{478} 1 2.4 174°.09 0°.4/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.19	+21 29.5	2.088	2.936	11.7	21.0
12 13	7 7.53	+21 33.7	2.017	2.937	8.2	20.8
12 23	6 58.93	+21 40.0	1.972	2.938	4.4	20.6
1 2	6 49.21	+21 46.7	1.956	2.939	0.5	20.3
1 12	6 39.45	+21 52.3	1.970	2.940	3.9	20.6
1 22	6 30.69	+21 56.3	2.014	2.940	7.8	20.8
2 1	6 23.81	+21 58.6	2.084	2.940	11.3	21.0
2 11	6 19.40	+21 59.9	2.176	2.940	14.2	21.2

162958 2001 QL_{132} 1 2.4 149°.84 3°.7/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.44	+11 7.2	2.414	3.242	11.0	20.4
12 13	7 4.65	+10 51.3	2.343	3.245	8.2	20.2
12 23	6 57.33	+10 44.2	2.298	3.247	5.4	20.0
1 2	6 49.15	+10 46.3	2.282	3.249	3.7	19.9
1 12	6 40.93	+10 57.0	2.295	3.252	4.8	20.0
1 22	6 33.49	+11 15.1	2.338	3.254	7.5	20.1
2 1	6 27.52	+11 38.9	2.408	3.256	10.3	20.3
2 11	6 23.51	+12 6.4	2.500	3.258	12.7	20.5

77583 2001 KL_{14} 1 2.5 111°.14 2°.4/ 1.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 14.08	+28 13.0	2.247	3.095	10.9	19.2
12 13	7 7.47	+29 3.4	2.184	3.104	7.8	19.0
12 23	6 58.92	+29 52.0	2.149	3.112	4.4	18.8
1 2	6 49.23	+30 34.6	2.143	3.120	2.4	18.7
1 12	6 39.47	+31 7.8	2.167	3.128	4.6	18.9
1 22	6 30.69	+31 30.6	2.220	3.136	7.8	19.1
2 1	6 23.78	+31 43.6	2.300	3.143	10.9	19.3
2 11	6 19.31	+31 48.6	2.402	3.151	13.4	19.5

367156 2006 UM_{248} 1 2.5 231°.49 2°.8/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.15	+29 36.3	2.094	2.940	11.7	21.8
12 13	7 9.91	+30 14.2	2.011	2.928	8.4	21.5
12 23	7 0.34	+30 49.0	1.954	2.916	5.0	21.3
1 2	6 49.30	+31 16.3	1.927	2.903	2.8	21.1
1 12	6 38.00	+31 32.8	1.930	2.890	5.1	21.3
1 22	6 27.70	+31 37.6	1.962	2.876	8.8	21.5
2 1	6 19.49	+31 32.1	2.020	2.862	12.2	21.6
2 11	6 14.09	+31 19.3	2.099	2.847	15.1	21.8

20434 1999 FM_{10} 1 2.5 1°.82 8°.9/ 4.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.58	+ 3 16.9	1.445	2.274	16.9	16.8
12 13	7 5.49	+ 2 26.4	1.384	2.273	13.7	16.6
12 23	6 58.04	+ 1 57.6	1.344	2.272	10.7	16.4
1 2	6 49.19	+ 1 54.0	1.327	2.272	9.0	16.3
1 12	6 40.26	+ 2 16.2	1.336	2.274	9.7	16.3
1 22	6 32.54	+ 3 1.1	1.368	2.275	12.4	16.5
2 1	6 27.08	+ 4 3.2	1.424	2.278	15.7	16.7
2 11	6 24.56	+ 5 15.4	1.498	2.282	18.7	16.9

39048 2000 UJ_{96} 1 2.5 39°.44 1°.6/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.73	+20 12.2	1.484	2.345	14.8	17.5
12 13	7 8.19	+19 45.3	1.437	2.363	10.4	17.3
12 23	6 59.31	+19 22.3	1.414	2.381	5.7	17.1
1 2	6 49.24	+19 2.6	1.418	2.400	1.6	16.9
1 12	6 39.43	+18 46.1	1.449	2.419	5.0	17.1
1 22	6 31.15	+18 32.9	1.508	2.439	9.5	17.5
2 1	6 25.38	+18 23.2	1.590	2.460	13.5	17.7
2 11	6 22.61	+18 16.7	1.694	2.480	16.7	18.0

429024 2009 BX_{155} 1 2.5 323°.15 2°.1/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.12	+15 20.9	2.038	2.884	12.0	20.6
12 13	7 4.81	+15 40.9	1.956	2.873	8.7	20.3
12 23	6 57.59	+16 9.9	1.900	2.862	5.1	20.1
1 2	6 49.18	+16 46.2	1.873	2.852	2.2	19.9
1 12	6 40.56	+17 27.6	1.874	2.842	4.3	20.0
1 22	6 32.76	+18 11.3	1.904	2.833	8.1	20.2
2 1	6 26.69	+18 55.2	1.961	2.823	11.6	20.4
2 11	6 22.97	+19 37.4	2.039	2.814	14.6	20.6

110156 2001 SK_{159} 1 2.5 241°.42 7°.0/ 1.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.97	+41 47.1	2.043	2.869	12.8	19.8
12 13	7 12.91	+42 37.0	1.968	2.859	10.1	19.6
12 23	7 2.02	+43 13.6	1.917	2.848	7.9	19.4
1 2	6 49.37	+43 30.1	1.894	2.836	7.0	19.4
1 12	6 36.54	+43 22.9	1.899	2.824	8.2	19.4
1 22	6 25.10	+42 52.9	1.931	2.812	10.8	19.6
2 1	6 16.33	+42 4.7	1.988	2.800	13.6	19.7
2 11	6 10.98	+41 4.9	2.065	2.787	16.1	19.9

432106 2009 AP_{40} 1 2.5 9°.61 1°.0/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.17	+26 24.7	2.068	2.921	11.5	20.8
12 13	7 6.85	+26 18.7	1.999	2.922	8.1	20.6
12 23	6 58.58	+26 10.4	1.956	2.923	4.3	20.4
1 2	6 49.23	+25 57.9	1.942	2.924	1.0	20.1
1 12	6 39.89	+25 40.6	1.958	2.926	4.1	20.4
1 22	6 31.64	+25 18.8	2.002	2.928	7.9	20.6
2 1	6 25.33	+24 54.3	2.072	2.930	11.3	20.8
2 11	6 21.52	+24 28.8	2.165	2.932	14.1	21.0

242964 2006 SZ_{66} 1 2.5 195°.81 4°.8/ 3.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 9.23	+ 5 39.0	2.722	3.528	10.5	21.2
12 13	7 3.69	+ 5 22.0	2.646	3.526	8.3	21.0
12 23	6 56.81	+ 5 16.2	2.595	3.525	6.1	20.9
1 2	6 49.16	+ 5 22.5	2.573	3.523	4.9	20.8
1 12	6 41.43	+ 5 40.5	2.580	3.520	5.5	20.8
1 22	6 34.34	+ 6 8.9	2.617	3.518	7.5	21.0
2 1	6 28.51	+ 6 45.3	2.680	3.515	9.8	21.1
2 11	6 24.40	+ 7 27.2	2.767	3.512	11.9	21.3

133164 2003 QV_{33} 1 2.5 175°.10 0°.2/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.14	+22 3.4	1.953	2.799	12.4	20.7
12 13	7 9.73	+22 10.6	1.882	2.802	8.8	20.5
12 23	7 0.14	+22 19.6	1.838	2.804	4.6	20.3
1 2	6 49.31	+22 28.1	1.822	2.806	0.3	19.9
1 12	6 38.42	+22 34.4	1.837	2.806	4.2	20.2
1 22	6 28.66	+22 37.9	1.881	2.807	8.4	20.5
2 1	6 21.01	+22 38.8	1.952	2.806	12.0	20.7
2 11	6 16.09	+22 38.3	2.045	2.805	15.1	20.9

400252 2007 PR_{49} 1 2.5 216°.94 1°.3/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 16.65	+18 42.8	1.975	2.817	12.5	22.1
12 13	7 9.47	+18 48.4	1.892	2.808	8.9	21.8
12 23	7 0.07	+18 58.8	1.835	2.799	4.9	21.6
1 2	6 49.31	+19 12.5	1.807	2.789	1.4	21.3
1 12	6 38.33	+19 27.7	1.809	2.778	4.4	21.5
1 22	6 28.33	+19 43.0	1.841	2.766	8.5	21.7
2 1	6 20.32	+19 57.8	1.900	2.754	12.3	21.9
2 11	6 15.00	+20 12.0	1.980	2.740	15.5	22.1

327530 2006 BK_{137} 1 2.5 63°.41 5°.7/ 4.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.52	+ 5 57.3	1.898	2.718	13.8	20.5
12 13	7 5.67	+ 5 56.5	1.838	2.729	10.7	20.3
12 23	6 57.96	+ 6 12.3	1.802	2.740	7.7	20.1
1 2	6 49.21	+ 6 44.6	1.793	2.750	5.7	20.0
1 12	6 40.46	+ 7 31.7	1.812	2.761	6.6	20.1
1 22	6 32.71	+ 8 30.0	1.859	2.772	9.2	20.3
2 1	6 26.80	+ 9 35.2	1.931	2.783	12.2	20.5
2 11	6 23.27	+10 43.0	2.026	2.794	14.9	20.7

493693 2015 TW_{26} 1 2.5 39°.02 1°.2/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.17	+21 13.3	1.295	2.160	16.2	20.5
12 13	7 10.38	+20 50.7	1.237	2.165	11.5	20.2
12 23	7 0.68	+20 30.9	1.202	2.170	6.2	20.0
1 2	6 49.33	+20 12.8	1.193	2.176	1.3	19.7
1 12	6 38.07	+19 56.0	1.211	2.181	5.6	20.0
1 22	6 28.52	+19 40.9	1.254	2.187	10.8	20.3
2 1	6 21.90	+19 28.3	1.321	2.194	15.4	20.6
2 11	6 18.85	+19 18.8	1.407	2.200	19.2	20.8

176901 2002 VQ_{61} 1 2.5 30°.70 1°.9/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.05	+27 10.0	1.533	2.395	14.3	19.4
12 13	7 9.40	+27 21.0	1.473	2.399	10.2	19.2
12 23	7 0.11	+27 29.1	1.437	2.404	5.5	18.9
1 2	6 49.30	+27 30.9	1.427	2.409	1.9	18.7
1 12	6 38.55	+27 24.2	1.446	2.414	5.3	18.9
1 22	6 29.30	+27 9.5	1.491	2.420	9.9	19.2
2 1	6 22.71	+26 49.0	1.561	2.426	13.9	19.5
2 11	6 19.39	+26 25.7	1.651	2.432	17.3	19.7

76313 2000 EU_{138} 1 2.5 171°.28 0°.4/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.38	+22 23.4	2.448	3.294	10.2	19.2
12 13	7 6.14	+23 2.2	2.376	3.295	7.2	19.0
12 23	6 58.19	+23 43.6	2.330	3.297	3.8	18.8
1 2	6 49.23	+24 24.5	2.315	3.298	0.5	18.5
1 12	6 40.15	+25 2.3	2.331	3.299	3.6	18.8
1 22	6 31.86	+25 35.3	2.377	3.300	7.0	19.0
2 1	6 25.16	+26 2.7	2.450	3.300	10.0	19.2
2 11	6 20.59	+26 25.0	2.547	3.301	12.6	19.4

221088 2005 SW_{65} 1 2.5 138°.81 5°.8/ 1.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.24	+38 35.5	2.119	2.953	12.1	20.2
12 13	7 11.40	+39 35.4	2.061	2.961	9.3	20.0
12 23	7 1.10	+40 24.7	2.029	2.969	6.8	19.9
1 2	6 49.36	+40 57.2	2.025	2.976	5.8	19.9
1 12	6 37.58	+41 9.7	2.050	2.983	7.2	20.0
1 22	6 27.11	+41 2.7	2.103	2.990	9.7	20.1
2 1	6 19.06	+40 39.7	2.180	2.996	12.4	20.3
2 11	6 14.06	+40 5.7	2.279	3.002	14.7	20.5

447179 2005 SH_{34} 1 2.5 49°.33 5°.8/ 1.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.63	+32 29.3	1.216	2.083	16.9	20.8
12 13	7 12.63	+33 41.7	1.169	2.093	12.4	20.6
12 23	7 2.06	+34 46.3	1.144	2.104	8.0	20.4
1 2	6 49.40	+35 33.3	1.145	2.115	5.8	20.3
1 12	6 36.81	+35 56.9	1.170	2.126	8.4	20.5
1 22	6 26.30	+35 57.2	1.221	2.138	12.7	20.7
2 1	6 19.37	+35 39.2	1.293	2.150	16.7	21.0
2 11	6 16.67	+35 9.7	1.383	2.162	20.2	21.3

370318 2002 RJ_{129} 1 2.5 52°.42 5°.7/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 22.59	+39 29.7	1.808	2.643	13.8	20.1
12 13	7 13.41	+39 36.4	1.776	2.677	10.4	19.9
12 23	7 1.88	+39 27.9	1.768	2.712	7.3	19.8
1 2	6 49.38	+39 0.4	1.789	2.747	5.7	19.8
1 12	6 37.53	+38 14.3	1.837	2.782	6.9	20.0
1 22	6 27.66	+37 13.6	1.914	2.817	9.7	20.2
2 1	6 20.62	+36 4.3	2.016	2.851	12.5	20.4
2 11	6 16.80	+34 52.1	2.140	2.886	14.9	20.7

113135 2002 RF_{87} 1 2.5 63°.39 3°.9/ 1.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.16	+33 43.8	2.095	2.942	11.7	19.5
12 13	7 8.36	+34 16.2	2.035	2.949	8.6	19.3
12 23	6 59.42	+34 41.3	2.001	2.957	5.5	19.1
1 2	6 49.29	+34 55.1	1.995	2.964	3.9	19.0
1 12	6 39.20	+34 55.2	2.019	2.972	5.6	19.1
1 22	6 30.30	+34 42.3	2.070	2.980	8.7	19.3
2 1	6 23.55	+34 18.7	2.147	2.988	11.6	19.5
2 11	6 19.51	+33 48.1	2.246	2.995	14.2	19.7

84451 2002 TP_{242} 1 2.5 26°.10 5°.2/ 3.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 10.50	+ 8 34.9	1.997	2.826	12.9	19.7
12 13	7 4.92	+ 8 2.9	1.932	2.830	9.9	19.5
12 23	6 57.57	+ 7 43.1	1.892	2.834	7.0	19.4
1 2	6 49.21	+ 7 36.9	1.878	2.838	5.3	19.3
1 12	6 40.85	+ 7 44.3	1.893	2.843	6.3	19.3
1 22	6 33.41	+ 8 3.6	1.936	2.848	9.0	19.5
2 1	6 27.71	+ 8 32.4	2.003	2.853	12.0	19.7
2 11	6 24.28	+ 9 7.5	2.093	2.859	14.6	19.9

19458 Legault 1 2.5 217°.53 3°.9/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.78	+13 11.0	1.764	2.605	13.8	18.1
12 13	7 8.22	+12 49.0	1.690	2.601	10.3	17.9
12 23	6 59.43	+12 36.7	1.641	2.597	6.5	17.6
1 2	6 49.31	+12 34.4	1.619	2.592	3.9	17.5
1 12	6 39.06	+12 41.7	1.626	2.588	5.8	17.6
1 22	6 29.89	+12 57.3	1.661	2.583	9.5	17.8
2 1	6 22.82	+13 19.3	1.721	2.578	13.3	18.0
2 11	6 18.51	+13 45.5	1.802	2.572	16.5	18.2

455971 2005 VP_{127} 1 2.5 179°.62 0°.9/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.18	+19 31.2	2.176	3.020	11.4	22.2
12 13	7 7.50	+19 43.7	2.103	3.021	8.1	22.0
12 23	6 58.95	+20 0.3	2.057	3.022	4.4	21.8
1 2	6 49.29	+20 19.0	2.039	3.022	0.9	21.5
1 12	6 39.55	+20 38.1	2.053	3.022	3.9	21.7
1 22	6 30.73	+20 56.2	2.096	3.021	7.6	22.0
2 1	6 23.70	+21 12.8	2.166	3.020	11.0	22.2
2 11	6 19.04	+21 27.6	2.259	3.019	13.8	22.4

423400 2005 LH_{10} 1 2.5 1°.61 4°.4/ 3.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 9.90	+ 9 34.1	2.091	2.922	12.3	20.6
12 13	7 4.50	+ 9 27.0	2.020	2.922	9.4	20.4
12 23	6 57.37	+ 9 31.9	1.974	2.921	6.3	20.2
1 2	6 49.22	+ 9 48.9	1.956	2.922	4.4	20.1
1 12	6 40.99	+10 17.0	1.966	2.922	5.5	20.1
1 22	6 33.61	+10 53.9	2.004	2.922	8.4	20.3
2 1	6 27.88	+11 37.0	2.068	2.923	11.4	20.5
2 11	6 24.35	+12 23.2	2.155	2.924	14.1	20.7

232725 2004 CY_{57} 1 2.5 315°.74 1°.0/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.13	+23 40.1	2.124	2.977	11.3	19.7
12 13	7 6.24	+24 23.3	2.049	2.972	8.0	19.5
12 23	6 58.36	+25 8.9	2.000	2.967	4.2	19.2
1 2	6 49.26	+25 53.4	1.980	2.963	1.0	19.0
1 12	6 39.99	+26 33.3	1.991	2.958	4.1	19.2
1 22	6 31.59	+27 6.6	2.030	2.954	7.9	19.4
2 1	6 25.00	+27 32.7	2.095	2.950	11.3	19.7
2 11	6 20.86	+27 52.3	2.183	2.946	14.2	19.8

90177 2003 AK_{25} 1 2.5 275°.75 0°.3/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.01	+23 44.0	2.432	3.279	10.2	19.7
12 13	7 5.97	+23 48.6	2.341	3.262	7.2	19.4
12 23	6 58.16	+23 53.6	2.278	3.245	3.8	19.2
1 2	6 49.26	+23 57.1	2.244	3.227	0.3	18.9
1 12	6 40.19	+23 58.0	2.240	3.209	3.6	19.1
1 22	6 31.86	+23 55.8	2.267	3.192	7.2	19.3
2 1	6 25.12	+23 50.8	2.320	3.174	10.4	19.5
2 11	6 20.55	+23 43.9	2.397	3.156	13.2	19.7

252259 2001 QG_{158} 1 2.5 86°.38 6°.2/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.69	+ 5 2.6	1.828	2.644	14.5	20.4
12 13	7 7.16	+ 4 54.6	1.777	2.663	11.3	20.3
12 23	6 58.73	+ 5 4.0	1.749	2.683	8.2	20.1
1 2	6 49.29	+ 5 31.3	1.748	2.702	6.3	20.1
1 12	6 39.94	+ 6 14.6	1.775	2.721	7.0	20.1
1 22	6 31.73	+ 7 10.1	1.830	2.740	9.6	20.3
2 1	6 25.49	+ 8 13.5	1.911	2.758	12.6	20.6
2 11	6 21.73	+ 9 20.1	2.013	2.776	15.2	20.8

354946 2006 ER_{56} 1 2.5 175°.61 2°.8/ 1.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 9.99	+36 17.5	4.071	4.898	6.9	21.3
12 13	7 4.01	+36 34.7	3.999	4.900	5.1	21.2
12 23	6 56.91	+36 46.5	3.956	4.902	3.5	21.1
1 2	6 49.21	+36 50.9	3.942	4.903	2.8	21.0
1 12	6 41.51	+36 47.3	3.961	4.904	3.6	21.1
1 22	6 34.38	+36 35.6	4.009	4.904	5.3	21.2
2 1	6 28.33	+36 16.9	4.086	4.904	7.0	21.3
2 11	6 23.77	+35 52.9	4.187	4.904	8.6	21.5

136409 2005 AE_{54} 1 2.5 266°.62 0°.1/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.35	+21 5.9	1.650	2.506	13.8	20.2
12 13	7 8.98	+21 44.8	1.573	2.498	9.8	19.9
12 23	7 0.01	+22 29.7	1.521	2.488	5.2	19.6
1 2	6 49.36	+23 16.4	1.496	2.479	0.3	19.2
1 12	6 38.42	+24 0.6	1.500	2.470	4.8	19.6
1 22	6 28.59	+24 39.3	1.532	2.461	9.6	19.8
2 1	6 21.11	+25 11.4	1.589	2.451	13.9	20.0
2 11	6 16.76	+25 37.3	1.666	2.442	17.4	20.3

317644 2003 FU_1 1 2.5 252°.45 6°.4/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 11.86	+ 5 25.5	1.904	2.722	13.9	21.1
12 13	7 6.01	+ 4 59.9	1.833	2.720	11.0	20.9
12 23	6 58.22	+ 4 50.0	1.786	2.719	8.1	20.7
1 2	6 49.28	+ 4 57.6	1.765	2.717	6.4	20.6
1 12	6 40.24	+ 5 22.2	1.772	2.715	7.3	20.6
1 22	6 32.14	+ 6 1.6	1.807	2.714	9.9	20.8
2 1	6 25.87	+ 6 52.0	1.866	2.712	12.9	21.0
2 11	6 22.02	+ 7 49.1	1.947	2.710	15.6	21.2

68956 2002 RD_{18} 1 2.5 74°.43 1°.8/ 2.9 18

12 3	7 11.78	+16 53.5	2.117	2.962	11.6	19.3
12 13	7 5.78	+17 1.4	2.055	2.971	8.3	19.1
12 23	6 58.02	+17 15.6	2.018	2.981	4.7	18.9
1 2	6 49.27	+17 34.6	2.010	2.990	1.8	18.7
1 12	6 40.53	+17 56.8	2.031	2.999	4.0	18.9
1 22	6 32.74	+18 20.5	2.082	3.009	7.6	19.1
2 1	6 26.69	+18 44.5	2.159	3.018	10.9	19.4
2 11	6 22.91	+19 7.8	2.259	3.027	13.6	19.6

67451 2000 QR_{168} 1 2.5 316°.90 5°.9/ 1.9 18

12 3	7 18.48	+37 32.5	1.646	2.494	14.2	17.8
12 13	7 11.42	+37 52.9	1.570	2.481	10.9	17.5
12 23	7 1.34	+38 0.5	1.518	2.468	7.6	17.3
1 2	6 49.43	+37 49.1	1.492	2.455	5.9	17.2
1 12	6 37.40	+37 16.2	1.493	2.443	7.6	17.3
1 22	6 26.95	+36 23.8	1.521	2.431	11.1	17.4
2 1	6 19.41	+35 17.4	1.573	2.420	14.8	17.6
2 11	6 15.52	+34 4.1	1.644	2.409	18.0	17.8

517608 2014 WY_{494} 1 2.5 4°.50 2°.3/ 2.8 18

12 3	7 11.86	+16 56.0	2.088	2.933	11.8	20.7
12 13	7 5.88	+16 31.2	2.017	2.933	8.5	20.4
12 23	6 58.09	+16 11.3	1.972	2.933	5.0	20.2
1 2	6 49.29	+15 56.5	1.956	2.934	2.4	20.1
1 12	6 40.46	+15 46.6	1.969	2.934	4.4	20.2
1 22	6 32.58	+15 41.3	2.010	2.935	7.9	20.4
2 1	6 26.47	+15 40.3	2.078	2.936	11.3	20.6
2 11	6 22.65	+15 42.7	2.168	2.937	14.1	20.8

59433 1999 GH_{17} 1 2.5 186°.56 2°.8/ 3.1 18

12 3	7 15.78	+13 47.0	2.248	3.077	11.7	20.3
12 13	7 8.56	+13 44.4	2.171	3.077	8.6	20.1
12 23	6 59.50	+13 49.5	2.120	3.076	5.2	19.9
1 2	6 49.36	+14 1.7	2.099	3.074	2.9	19.7
1 12	6 39.12	+14 19.9	2.109	3.071	4.5	19.9
1 22	6 29.75	+14 42.6	2.149	3.068	7.9	20.1
2 1	6 22.10	+15 8.3	2.216	3.063	11.1	20.2
2 11	6 16.74	+15 35.7	2.307	3.058	13.8	20.4

304055 2006 EM_{48} 1 2.5 217°.24 0°.2/ 2.5 18

12 3	7 16.64	+21 9.5	1.761	2.612	13.3	21.7
12 13	7 9.70	+21 29.6	1.685	2.607	9.5	21.4
12 23	7 0.31	+21 53.8	1.634	2.601	5.0	21.2
1 2	6 49.40	+22 19.1	1.611	2.594	0.3	20.8
1 12	6 38.29	+22 42.6	1.618	2.587	4.6	21.1
1 22	6 28.30	+23 2.5	1.653	2.580	9.1	21.4
2 1	6 20.58	+23 18.5	1.713	2.572	13.2	21.6
2 11	6 15.83	+23 31.2	1.795	2.564	16.6	21.8

153974 2002 AV_{87} 1 2.5 44°.79 2°.4/ 2.9 18

12 3	7 13.25	+16 26.1	1.628	2.481	14.1	19.4
12 13	7 7.17	+16 25.3	1.571	2.491	10.1	19.2
12 23	6 58.87	+16 32.6	1.538	2.502	5.8	19.0
1 2	6 49.33	+16 47.0	1.532	2.512	2.4	18.8
1 12	6 39.83	+17 6.5	1.555	2.523	5.0	19.0
1 22	6 31.60	+17 29.0	1.604	2.534	9.2	19.3
2 1	6 25.60	+17 53.1	1.679	2.546	13.0	19.5
2 11	6 22.41	+18 17.4	1.775	2.558	16.2	19.8

306054 2010 GD_{27} 1 2.5 156°.80 1°.3/ 2.8 18

12 3	7 16.37	+17 56.2	1.788	2.634	13.4	20.9
12 13	7 9.35	+18 21.0	1.721	2.640	9.5	20.7
12 23	7 0.05	+18 52.9	1.680	2.645	5.2	20.5
1 2	6 49.41	+19 29.1	1.667	2.649	1.3	20.2
1 12	6 38.68	+20 6.4	1.684	2.653	4.5	20.4
1 22	6 29.10	+20 42.5	1.729	2.656	8.8	20.7
2 1	6 21.71	+21 15.8	1.801	2.659	12.7	21.0
2 11	6 17.15	+21 45.8	1.894	2.662	15.9	21.2

293878 Tapping 1 2.5 190°.65 0°.6/ 2.3 18

12 3	7 17.60	+23 24.1	1.962	2.809	12.3	21.9
12 13	7 10.18	+23 50.2	1.888	2.808	8.7	21.7
12 23	7 0.49	+24 17.8	1.840	2.806	4.6	21.5
1 2	6 49.43	+24 43.6	1.821	2.804	0.6	21.2
1 12	6 38.22	+25 4.7	1.832	2.801	4.3	21.4
1 22	6 28.10	+25 20.0	1.873	2.797	8.5	21.7
2 1	6 20.10	+25 29.6	1.940	2.792	12.2	21.9
2 11	6 14.89	+25 34.9	2.030	2.787	15.3	22.1

369723 2012 DB_{79} 1 2.5 249°.89 0°.5/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 16.80	+25 26.6	2.018	2.866	12.0	20.2
12 13	7 9.57	+25 9.3	1.934	2.854	8.5	20.0
12 23	7 0.15	+24 49.3	1.876	2.842	4.5	19.7
1 2	6 49.42	+24 25.2	1.847	2.830	0.5	19.4
1 12	6 38.57	+23 56.4	1.848	2.817	4.2	19.7
1 22	6 28.80	+23 24.1	1.879	2.804	8.4	19.9
2 1	6 21.09	+22 50.3	1.936	2.791	12.1	20.1
2 11	6 16.11	+22 17.2	2.016	2.777	15.2	20.3

74501 1999 CO_{152} 1 2.5 341°.05 2°.6/ 3.1 18

12 3	7 10.75	+14 37.6	2.026	2.870	12.1	19.9
12 13	7 5.22	+14 42.4	1.952	2.867	8.9	19.6
12 23	6 57.82	+14 55.7	1.904	2.864	5.3	19.4
1 2	6 49.31	+15 16.8	1.884	2.861	2.7	19.2
1 12	6 40.69	+15 43.9	1.892	2.858	4.5	19.4
1 22	6 32.96	+16 15.1	1.930	2.856	8.1	19.6
2 1	6 26.97	+16 48.3	1.993	2.854	11.5	19.8
2 11	6 23.33	+17 21.9	2.079	2.852	14.4	20.0

154953 2004 TP_{106} 1 2.5 200°.52 0°.5/ 2.6 18

12 3	7 13.41	+20 0.7	2.253	3.097	11.1	20.6
12 13	7 6.99	+20 21.9	2.176	3.094	7.8	20.4
12 23	6 58.73	+20 47.1	2.126	3.091	4.2	20.2
1 2	6 49.36	+21 14.2	2.105	3.088	0.6	19.9
1 12	6 39.86	+21 40.9	2.115	3.084	3.7	20.1
1 22	6 31.22	+22 5.6	2.155	3.080	7.4	20.3
2 1	6 24.27	+22 27.7	2.222	3.076	10.8	20.6
2 11	6 19.62	+22 46.9	2.311	3.071	13.6	20.7

138338 2000 GC_{105} 1 2.5 331°.22 3°.1/ 1.8 18

12 3	7 13.60	+27 26.2	1.356	2.228	15.2	19.3
12 13	7 8.33	+28 17.3	1.283	2.213	11.0	19.1
12 23	6 59.92	+29 9.0	1.232	2.199	6.2	18.7
1 2	6 49.43	+29 54.6	1.206	2.185	3.1	18.5
1 12	6 38.53	+30 28.4	1.207	2.173	6.5	18.7
1 22	6 29.01	+30 47.8	1.233	2.161	11.5	18.9
2 1	6 22.39	+30 53.8	1.281	2.150	16.1	19.2
2 11	6 19.55	+30 49.6	1.348	2.140	19.9	19.4

199972 2007 HC_{84} 1 2.5 18°.92 20°.6/ 1.4 18

12 3	7 15.90	− 6 41.9	0.897	1.714	25.7	19.1
12 13	7 10.06	−10 17.1	0.862	1.718	23.1	18.9
12 23	7 0.77	−13 11.8	0.844	1.722	21.2	18.9
1 2	6 49.46	−15 8.9	0.844	1.727	20.6	18.8
1 12	6 38.18	−16 0.2	0.861	1.734	21.3	18.9
1 22	6 28.88	−15 48.9	0.894	1.741	23.1	19.1
2 1	6 23.01	−14 46.4	0.940	1.750	25.3	19.2
2 11	6 21.31	−13 9.1	0.999	1.759	27.5	19.5

326736 2003 KM_1 1 2.5 278°.26 5°.5/ 3.8 18

12 3	7 11.64	+ 7 12.1	1.930	2.754	13.5	20.3
12 13	7 5.92	+ 7 2.1	1.852	2.747	10.5	20.1
12 23	6 58.24	+ 7 6.9	1.798	2.739	7.4	19.9
1 2	6 49.35	+ 7 27.5	1.771	2.732	5.5	19.8
1 12	6 40.29	+ 8 2.8	1.773	2.724	6.5	19.8
1 22	6 32.09	+ 8 50.2	1.802	2.716	9.4	20.0
2 1	6 25.69	+ 9 46.0	1.857	2.709	12.6	20.2
2 11	6 21.72	+10 46.3	1.933	2.701	15.6	20.3

499886 2011 FH_{89} 1 2.5 265°.19 5°.5/31.8 18

12 3	7 16.58	+36 38.5	2.105	2.946	11.9	21.0
12 13	7 9.72	+37 44.6	2.032	2.938	9.1	20.8
12 23	7 0.39	+38 43.0	1.985	2.930	6.5	20.6
1 2	6 49.47	+39 27.4	1.966	2.922	5.5	20.5
1 12	6 38.28	+39 53.6	1.975	2.914	7.0	20.6
1 22	6 28.17	+40 0.8	2.013	2.906	9.8	20.8
2 1	6 20.31	+39 51.4	2.075	2.898	12.7	20.9
2 11	6 15.44	+39 29.9	2.158	2.890	15.2	21.1

484245 2007 EG_{215} 1 2.5 286°.44 3°.9/ 2.1 18

12 3	7 19.60	+31 2.7	1.381	2.242	15.6	21.2
12 13	7 12.65	+31 24.7	1.301	2.225	11.5	20.9
12 23	7 2.25	+31 40.2	1.244	2.208	6.9	20.6
1 2	6 49.57	+31 42.7	1.213	2.190	3.9	20.4
1 12	6 36.50	+31 28.4	1.209	2.173	6.9	20.5
1 22	6 25.01	+30 58.0	1.231	2.155	11.9	20.7
2 1	6 16.71	+30 16.1	1.275	2.138	16.6	21.0
2 11	6 12.48	+29 28.4	1.338	2.121	20.6	21.2

9912 Donizetti 1 2.5 265°.16 3°.8/ 1.9 18

12 3	7 17.93	+32 19.6	1.846	2.695	12.9	17.2
12 13	7 10.79	+32 47.3	1.764	2.681	9.5	17.0
12 23	7 0.99	+33 8.6	1.707	2.666	5.9	16.8
1 2	6 49.51	+33 18.4	1.678	2.651	3.8	16.6
1 12	6 37.79	+33 13.7	1.678	2.636	6.0	16.7
1 22	6 27.28	+32 54.7	1.705	2.620	9.8	16.9
2 1	6 19.21	+32 24.3	1.758	2.605	13.5	17.1
2 11	6 14.34	+31 46.9	1.831	2.589	16.7	17.3

134107 2004 XM_{157} 1 2.5 26°.77 0°.8/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 12.38	+19 47.4	1.747	2.604	13.1	20.0
12 13	7 6.57	+20 1.4	1.686	2.610	9.3	19.7
12 23	6 58.61	+20 20.5	1.649	2.616	5.0	19.5
1 2	6 49.41	+20 42.3	1.640	2.622	0.9	19.2
1 12	6 40.19	+21 4.6	1.659	2.629	4.4	19.5
1 22	6 32.13	+21 25.6	1.706	2.637	8.6	19.8
2 1	6 26.18	+21 44.5	1.778	2.645	12.4	20.0
2 11	6 22.95	+22 1.0	1.872	2.653	15.6	20.2

54585 2000 QJ_{187} 1 2.5 228°.99 1°.5/ 2.1 18

12 3	7 15.42	+25 59.7	2.271	3.116	10.9	19.7
12 13	7 8.56	+26 32.9	2.186	3.105	7.8	19.5
12 23	6 59.66	+27 5.9	2.128	3.093	4.2	19.3
1 2	6 49.47	+27 35.4	2.100	3.081	1.5	19.1
1 12	6 39.05	+27 58.5	2.103	3.068	4.2	19.2
1 22	6 29.47	+28 14.0	2.135	3.055	7.8	19.4
2 1	6 21.70	+28 22.2	2.194	3.041	11.2	19.6
2 11	6 16.40	+28 24.6	2.276	3.027	14.0	19.8

63376 2001 HA_{38} 1 2.5 160°.00 1°.9/ 1.9 18

12 3	7 20.11	+25 32.2	1.808	2.655	13.2	20.1
12 13	7 12.13	+26 26.9	1.743	2.663	9.3	19.9
12 23	7 1.62	+27 22.2	1.705	2.670	5.1	19.6
1 2	6 49.58	+28 12.3	1.695	2.676	1.9	19.4
1 12	6 37.41	+28 52.9	1.716	2.681	5.1	19.6
1 22	6 26.52	+29 21.9	1.766	2.686	9.2	19.9
2 1	6 18.04	+29 40.2	1.842	2.689	13.0	20.1
2 11	6 12.68	+29 50.1	1.939	2.692	16.1	20.4

128672 2004 RK_{61} 1 2.5 208°.56 0°.7/ 2.4 18

12 3	7 17.83	+24 12.3	1.564	2.422	14.4	20.5
12 13	7 10.75	+24 21.3	1.495	2.420	10.2	20.2
12 23	7 0.96	+24 30.8	1.450	2.418	5.4	20.0
1 2	6 49.54	+24 37.3	1.433	2.416	0.7	19.6
1 12	6 38.03	+24 38.7	1.444	2.414	5.0	19.9
1 22	6 27.91	+24 34.6	1.482	2.411	9.9	20.2
2 1	6 20.40	+24 26.3	1.545	2.408	14.1	20.5
2 11	6 16.21	+24 15.8	1.628	2.405	17.7	20.7

63490 2001 OP_{59} 1 2.5 55°.90 0°.2/ 2.5 18

12 3	7 15.46	+21 51.2	1.529	2.390	14.5	18.6
12 13	7 8.90	+22 20.0	1.479	2.405	10.2	18.4
12 23	6 59.87	+22 52.4	1.453	2.421	5.3	18.2
1 2	6 49.49	+23 24.5	1.454	2.437	0.3	17.8
1 12	6 39.20	+23 53.0	1.483	2.453	4.8	18.2
1 22	6 30.38	+24 16.1	1.539	2.470	9.4	18.5
2 1	6 24.07	+24 33.5	1.620	2.486	13.4	18.8
2 11	6 20.86	+24 46.2	1.721	2.503	16.7	19.1

191238 2002 UP_{27} 1 2.5 327°.20 4°.9/ 1.3 18

12 3	7 14.88	+35 36.3	2.057	2.903	11.9	19.8
12 13	7 8.46	+36 26.0	1.987	2.897	9.0	19.6
12 23	6 59.69	+37 8.0	1.942	2.892	6.2	19.4
1 2	6 49.49	+37 37.0	1.925	2.887	4.9	19.3
1 12	6 39.12	+37 49.6	1.937	2.882	6.5	19.4
1 22	6 29.89	+37 45.5	1.975	2.878	9.4	19.6
2 1	6 22.86	+37 27.2	2.039	2.873	12.4	19.8
2 11	6 18.72	+36 58.9	2.124	2.869	15.1	20.0

236906 2007 TN_{65} 1 2.5 187°.51 1°.6/ 2.9 18

12 3	7 11.13	+17 24.2	2.499	3.339	10.3	21.1
12 13	7 5.21	+17 20.7	2.424	3.339	7.4	20.9
12 23	6 57.75	+17 21.8	2.376	3.338	4.2	20.7
1 2	6 49.40	+17 26.7	2.358	3.338	1.6	20.5
1 12	6 40.99	+17 34.4	2.370	3.337	3.6	20.6
1 22	6 33.35	+17 44.2	2.412	3.336	6.8	20.8
2 1	6 27.18	+17 55.3	2.481	3.335	9.8	21.0
2 11	6 22.98	+18 7.2	2.574	3.334	12.3	21.2

185909 2000 SG_{129} 1 2.5 159°.50 1°.1/ 2.7 18

12 3	7 14.16	+18 56.5	2.409	3.248	10.6	21.1
12 13	7 7.33	+18 57.2	2.340	3.254	7.6	21.0
12 23	6 58.85	+19 1.4	2.297	3.261	4.1	20.7
1 2	6 49.45	+19 7.8	2.285	3.266	1.2	20.5
1 12	6 40.04	+19 15.5	2.303	3.271	3.6	20.7
1 22	6 31.50	+19 23.5	2.352	3.276	7.0	21.0
2 1	6 24.58	+19 31.6	2.429	3.280	10.1	21.2
2 11	6 19.81	+19 39.6	2.529	3.283	12.7	21.3

108181 2001 HV_{13} 1 2.5 216°.26 2°.2/ 2.2 18

12 3	7 20.03	+27 26.2	1.656	2.508	13.9	20.6
12 13	7 12.37	+27 51.4	1.580	2.502	10.0	20.3
12 23	7 1.87	+28 14.3	1.530	2.495	5.5	20.1
1 2	6 49.61	+28 30.2	1.507	2.487	2.2	19.8
1 12	6 37.13	+28 35.8	1.513	2.479	5.4	20.0
1 22	6 26.01	+28 30.8	1.547	2.470	10.0	20.3
2 1	6 17.53	+28 17.2	1.606	2.461	14.2	20.5
2 11	6 12.45	+27 58.5	1.686	2.451	17.6	20.7

243309 2008 OB_{15} 1 2.5 284°.46 2°.4/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 16.59	+30 5.9	1.908	2.760	12.4	20.0
12 13	7 9.62	+30 5.2	1.830	2.750	9.0	19.8
12 23	7 0.28	+29 58.6	1.776	2.740	5.1	19.6
1 2	6 49.53	+29 43.0	1.751	2.730	2.4	19.4
1 12	6 38.70	+29 17.3	1.755	2.720	5.0	19.5
1 22	6 29.06	+28 42.6	1.787	2.710	8.9	19.7
2 1	6 21.70	+28 1.8	1.845	2.700	12.6	19.9
2 11	6 17.26	+27 18.5	1.925	2.690	15.7	20.1

418654 2008 TV_{84} 1 2.5 65°.21 6°.1/ 1.2 18

12 3	7 17.62	+39 9.5	2.012	2.849	12.5	21.3
12 13	7 10.39	+40 4.0	1.957	2.858	9.6	21.2
12 23	7 0.68	+40 47.1	1.927	2.867	7.1	21.0
1 2	6 49.55	+41 12.6	1.925	2.876	6.1	21.0
1 12	6 38.44	+41 17.7	1.951	2.885	7.5	21.1
1 22	6 28.71	+41 3.2	2.004	2.894	10.0	21.3
2 1	6 21.46	+40 32.9	2.081	2.903	12.7	21.5
2 11	6 17.28	+39 52.1	2.179	2.913	15.1	21.6

107415 2001 DU_{9} 1 2.5 237°.24 2°.3/ 1.9 18

12 3	7 16.87	+26 44.5	1.784	2.638	13.0	20.2
12 13	7 10.03	+27 31.4	1.708	2.630	9.3	20.0
12 23	7 0.61	+28 18.4	1.657	2.623	5.2	19.7
1 2	6 49.56	+29 0.2	1.635	2.615	2.3	19.5
1 12	6 38.24	+29 32.6	1.642	2.607	5.3	19.7
1 22	6 28.05	+29 53.7	1.677	2.599	9.5	19.9
2 1	6 20.20	+30 4.2	1.738	2.590	13.4	20.1
2 11	6 15.45	+30 6.6	1.819	2.581	16.6	20.3

348553 2005 UO_{425} 1 2.5 8°.35 6°.3/ 1.1 18

12 3	7 15.70	+35 1.1	1.469	2.330	14.9	20.2
12 13	7 9.69	+36 12.6	1.413	2.331	11.2	20.0
12 23	7 0.57	+37 15.4	1.380	2.333	7.7	19.8
1 2	6 49.56	+38 1.2	1.372	2.336	6.3	19.7
1 12	6 38.43	+38 24.6	1.391	2.339	8.3	19.8
1 22	6 28.92	+38 25.3	1.435	2.344	11.8	20.1
2 1	6 22.41	+38 7.3	1.501	2.349	15.4	20.3
2 11	6 19.63	+37 36.3	1.587	2.355	18.4	20.5

270728 2002 QP_{123} 1 2.5 155°.33 0°.6/ 2.4 18

12 3	7 13.05	+24 11.1	2.687	3.529	9.5	21.9
12 13	7 6.50	+24 28.9	2.618	3.536	6.7	21.7
12 23	6 58.41	+24 46.7	2.577	3.542	3.5	21.5
1 2	6 49.46	+25 2.6	2.566	3.549	0.6	21.3
1 12	6 40.49	+25 15.0	2.587	3.554	3.3	21.5
1 22	6 32.32	+25 23.2	2.638	3.560	6.4	21.8
2 1	6 25.63	+25 27.5	2.717	3.564	9.3	21.9
2 11	6 20.94	+25 28.7	2.819	3.569	11.6	22.1

281311 2007 TZ_{33} 1 2.5 162°.32 0°.5/ 2.4 18

12 3	7 12.15	+23 52.4	2.732	3.574	9.4	21.5
12 13	7 5.86	+24 7.9	2.660	3.579	6.6	21.3
12 23	6 58.08	+24 23.7	2.617	3.583	3.5	21.1
1 2	6 49.45	+24 38.0	2.603	3.586	0.5	20.8
1 12	6 40.78	+24 49.3	2.622	3.590	3.2	21.1
1 22	6 32.87	+24 56.9	2.670	3.593	6.3	21.3
2 1	6 26.41	+25 1.0	2.746	3.595	9.1	21.5
2 11	6 21.87	+25 2.3	2.846	3.597	11.5	21.7

24464 Williamkalb 1 2.5 15°.39 0°.0/ 2.5 18

12 3	7 14.51	+20 51.0	1.263	2.133	16.2	17.4
12 13	7 8.79	+21 29.5	1.205	2.136	11.5	17.2
12 23	7 0.07	+22 15.2	1.170	2.139	6.1	16.9
1 2	6 49.55	+23 3.0	1.160	2.143	0.3	16.4
1 12	6 38.91	+23 47.9	1.176	2.148	5.5	16.9
1 22	6 29.85	+24 26.4	1.218	2.153	10.9	17.2
2 1	6 23.68	+24 57.3	1.282	2.159	15.5	17.5
2 11	6 21.15	+25 21.2	1.366	2.165	19.4	17.7

522566 2016 ED_{244} 1 2.5 137°.00 4°.5/ 3.5 18

12 3	7 10.19	+ 7 37.1	2.628	3.441	10.6	21.8
12 13	7 4.43	+ 7 10.9	2.560	3.447	8.2	21.6
12 23	6 57.31	+ 6 54.8	2.517	3.453	5.9	21.5
1 2	6 49.42	+ 6 49.6	2.504	3.459	4.5	21.4
1 12	6 41.53	+ 6 55.4	2.520	3.465	5.3	21.4
1 22	6 34.34	+ 7 10.8	2.566	3.470	7.4	21.6
2 1	6 28.49	+ 7 34.3	2.638	3.476	9.8	21.8
2 11	6 24.43	+ 8 3.4	2.734	3.481	12.0	21.9

288831 2004 RG_{190} 1 2.5 62°.27 0°.3/ 2.5 18

12 3	7 18.73	+24 30.9	1.363	2.226	15.7	20.2
12 13	7 11.40	+24 17.3	1.310	2.238	11.1	19.9
12 23	7 1.25	+24 2.7	1.281	2.250	5.8	19.7
1 2	6 49.61	+23 44.8	1.279	2.262	0.4	19.3
1 12	6 38.18	+23 23.2	1.304	2.274	5.2	19.7
1 22	6 28.53	+22 58.8	1.355	2.287	10.3	20.0
2 1	6 21.80	+22 34.1	1.430	2.299	14.7	20.3
2 11	6 18.56	+22 10.8	1.525	2.312	18.2	20.6

303629 2005 JG_{80} 1 2.5 140°.09 13°.3/27.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 31.97	+40 9.3	1.086	1.938	19.7	19.7
12 13	7 23.59	+44 5.1	1.041	1.942	16.1	19.5
12 23	7 9.20	+47 48.1	1.020	1.945	13.6	19.4
1 2	6 50.04	+50 51.0	1.025	1.949	13.6	19.4
1 12	6 29.29	+52 54.9	1.054	1.952	16.0	19.5
1 22	6 10.92	+53 57.6	1.105	1.955	19.4	19.8
2 1	5 58.18	+54 11.0	1.173	1.958	22.7	20.0
2 11	5 52.48	+53 52.6	1.255	1.960	25.4	20.2

58769 1998 FS_{45} 1 2.5 89°.02 0°.8/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.10	+23 58.1	1.912	2.765	12.4	18.6
12 13	7 8.36	+24 24.5	1.855	2.778	8.7	18.4
12 23	6 59.53	+24 51.7	1.824	2.791	4.6	18.1
1 2	6 49.53	+25 16.5	1.821	2.803	0.8	17.9
1 12	6 39.58	+25 36.3	1.847	2.816	4.3	18.2
1 22	6 30.80	+25 50.1	1.903	2.829	8.2	18.4
2 1	6 24.13	+25 58.2	1.984	2.841	11.7	18.7
2 11	6 20.12	+26 1.9	2.087	2.853	14.6	18.9

466992 2016 BY_{66} 1 2.5 264°.82 1°.0/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.19	+26 49.0	1.906	2.756	12.5	20.2
12 13	7 10.02	+26 33.4	1.823	2.744	8.9	20.0
12 23	7 0.50	+26 14.0	1.766	2.732	4.8	19.7
1 2	6 49.59	+25 48.7	1.737	2.720	1.0	19.4
1 12	6 38.56	+25 17.1	1.739	2.707	4.5	19.7
1 22	6 28.68	+24 40.5	1.769	2.695	8.8	19.9
2 1	6 21.03	+24 1.5	1.825	2.682	12.6	20.1
2 11	6 16.24	+23 22.6	1.903	2.669	15.9	20.3

325178 2008 FR_{68} 1 2.5 357°.12 8°.3/31.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.11	+38 30.7	1.405	2.262	15.7	20.2
12 13	7 11.05	+40 1.9	1.348	2.259	12.3	20.0
12 23	7 1.47	+41 21.3	1.313	2.256	9.3	19.8
1 2	6 49.64	+42 18.3	1.303	2.255	8.3	19.7
1 12	6 37.54	+42 46.3	1.319	2.254	10.1	19.8
1 22	6 27.21	+42 45.0	1.358	2.255	13.3	20.0
2 1	6 20.23	+42 19.6	1.419	2.256	16.7	20.2
2 11	6 17.44	+41 37.8	1.498	2.257	19.7	20.4

207975 1996 TY_{8} 1 2.5 44°.60 16°.8/ 4.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.95	− 8 18.2	1.198	1.980	22.5	18.1
12 13	7 10.61	−11 7.6	1.179	2.008	19.9	18.0
12 23	7 0.71	−13 16.4	1.179	2.038	17.8	17.9
1 2	6 49.59	−14 35.4	1.200	2.068	16.9	18.0
1 12	6 38.90	−15 2.7	1.241	2.099	17.1	18.1
1 22	6 30.06	−14 43.5	1.301	2.130	18.4	18.3
2 1	6 24.08	−13 48.0	1.379	2.161	20.0	18.5
2 11	6 21.42	−12 28.5	1.473	2.193	21.6	18.7

382281 2012 TC_{277} 1 2.5 218°.61 2°.8/ 3.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.66	+13 9.0	2.789	3.616	9.7	21.2
12 13	7 4.79	+12 50.6	2.706	3.609	7.2	21.0
12 23	6 57.53	+12 38.3	2.649	3.602	4.6	20.8
1 2	6 49.46	+12 32.3	2.623	3.594	2.9	20.7
1 12	6 41.30	+12 32.5	2.627	3.586	4.1	20.7
1 22	6 33.77	+12 38.3	2.661	3.578	6.7	20.9
2 1	6 27.53	+12 48.6	2.724	3.569	9.3	21.1
2 11	6 23.04	+13 2.5	2.809	3.560	11.6	21.2

6339 Giliberti 1 2.5 64°.46 3°.4/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 21.10	+29 49.8	1.322	2.184	16.2	17.2
12 13	7 13.12	+30 15.5	1.283	2.207	11.5	17.0
12 23	7 2.14	+30 34.5	1.267	2.231	6.6	16.8
1 2	6 49.68	+30 41.6	1.277	2.255	3.4	16.6
1 12	6 37.61	+30 34.3	1.314	2.279	6.3	16.9
1 22	6 27.62	+30 14.4	1.377	2.303	10.8	17.2
2 1	6 20.85	+29 46.0	1.464	2.326	14.8	17.5
2 11	6 17.78	+29 13.6	1.570	2.350	18.1	17.8

114068 2002 VT_{29} 1 2.5 139°.26 2°.0/ 2.1 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.31	+27 38.9	2.070	2.917	11.8	19.7
12 13	7 9.88	+28 12.0	2.008	2.927	8.4	19.5
12 23	7 0.33	+28 42.7	1.973	2.937	4.7	19.3
1 2	6 49.60	+29 7.1	1.967	2.947	2.0	19.2
1 12	6 38.86	+29 22.8	1.992	2.956	4.6	19.3
1 22	6 29.28	+29 29.0	2.046	2.965	8.2	19.6
2 1	6 21.79	+29 27.2	2.126	2.973	11.5	19.8
2 11	6 16.98	+29 19.7	2.228	2.980	14.2	20.0

20303 Lindwestrick 1 2.5 102°.13 0°.7/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.49	+21 12.2	1.638	2.491	14.0	18.5
12 13	7 10.21	+21 8.3	1.581	2.504	9.9	18.2
12 23	7 0.55	+21 7.1	1.549	2.516	5.3	18.0
1 2	6 49.61	+21 6.8	1.545	2.528	0.8	17.7
1 12	6 38.78	+21 5.9	1.570	2.540	4.6	18.0
1 22	6 29.36	+21 4.2	1.622	2.551	9.2	18.3
2 1	6 22.38	+21 2.0	1.700	2.563	13.1	18.6
2 11	6 18.40	+20 59.9	1.799	2.574	16.3	18.8

419290 2009 WB_{33} 1 2.5 29°.19 2°.9/ 1.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 14.73	+28 27.2	1.926	2.780	12.2	20.8
12 13	7 8.36	+29 26.4	1.860	2.781	8.7	20.6
12 23	6 59.68	+30 24.1	1.820	2.783	5.1	20.3
1 2	6 49.59	+31 14.9	1.808	2.785	2.9	20.2
1 12	6 39.34	+31 54.7	1.826	2.787	5.3	20.4
1 22	6 30.19	+32 21.7	1.872	2.789	9.0	20.6
2 1	6 23.18	+32 36.7	1.943	2.791	12.4	20.8
2 11	6 19.01	+32 41.9	2.036	2.793	15.2	21.0

98578 2000 WH_{39} 1 2.5 89°.60 3°.8/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.26	+13 13.2	1.580	2.424	15.0	19.5
12 13	7 9.32	+13 6.0	1.528	2.440	11.0	19.3
12 23	7 0.09	+13 10.2	1.499	2.457	6.8	19.1
1 2	6 49.62	+13 25.2	1.498	2.473	3.8	19.0
1 12	6 39.27	+13 49.1	1.525	2.489	5.7	19.2
1 22	6 30.30	+14 19.3	1.580	2.505	9.6	19.4
2 1	6 23.67	+14 53.4	1.659	2.521	13.4	19.7
2 11	6 19.97	+15 28.8	1.759	2.536	16.6	19.9

412569 2014 NX_{59} 1 2.5 168°.16 1°.0/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.86	+18 27.9	1.914	2.759	12.7	20.9
12 13	7 8.97	+18 52.6	1.845	2.763	9.0	20.6
12 23	6 59.94	+19 23.4	1.801	2.766	4.9	20.4
1 2	6 49.63	+19 57.9	1.786	2.768	1.1	20.1
1 12	6 39.21	+20 33.0	1.801	2.770	4.2	20.4
1 22	6 29.84	+21 6.5	1.845	2.771	8.4	20.6
2 1	6 22.50	+21 37.2	1.915	2.772	12.1	20.9
2 11	6 17.84	+22 4.7	2.008	2.773	15.2	21.1

114102 2002 VZ_{41} 1 2.5 53°.33 2°.1/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.48	+26 36.9	2.063	2.916	11.6	19.7
12 13	7 7.27	+27 30.1	2.002	2.924	8.2	19.5
12 23	6 59.03	+28 23.0	1.968	2.933	4.5	19.3
1 2	6 49.58	+29 10.9	1.962	2.942	2.1	19.1
1 12	6 40.06	+29 50.5	1.987	2.951	4.6	19.3
1 22	6 31.57	+30 19.9	2.040	2.960	8.1	19.6
2 1	6 25.03	+30 39.5	2.119	2.969	11.4	19.8
2 11	6 21.05	+30 50.8	2.220	2.978	14.1	20.0

70305 1999 RQ_{133} 1 2.5 166°.90 1°.6/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.89	+18 44.2	1.954	2.796	12.6	20.0
12 13	7 9.59	+18 32.9	1.885	2.801	9.0	19.8
12 23	7 0.21	+18 25.6	1.841	2.805	5.0	19.6
1 2	6 49.65	+18 21.4	1.827	2.808	1.6	19.4
1 12	6 39.08	+18 19.4	1.843	2.811	4.4	19.6
1 22	6 29.61	+18 19.2	1.888	2.813	8.4	19.8
2 1	6 22.19	+18 20.6	1.959	2.814	12.0	20.0
2 11	6 17.39	+18 23.5	2.053	2.815	15.0	20.2

245893 2006 QA_{76} 1 2.5 249°.67 3°.6/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.58	+33 56.5	2.375	3.217	10.6	21.0
12 13	7 7.93	+34 21.3	2.303	3.215	7.8	20.8
12 23	6 59.33	+34 39.3	2.258	3.213	5.1	20.6
1 2	6 49.61	+34 47.1	2.241	3.210	3.6	20.5
1 12	6 39.83	+34 42.8	2.255	3.208	5.2	20.6
1 22	6 31.06	+34 26.6	2.297	3.205	8.0	20.8
2 1	6 24.16	+34 0.8	2.365	3.203	10.8	21.0
2 11	6 19.73	+33 28.5	2.456	3.201	13.3	21.1

422076 2014 QT_{382} 1 2.5 108°.96 1°.9/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.51	+17 11.4	2.095	2.932	12.0	22.4
12 13	7 9.04	+17 7.5	2.043	2.956	8.6	22.2
12 23	6 59.79	+17 8.9	2.017	2.979	4.8	22.0
1 2	6 49.64	+17 14.5	2.021	3.001	1.9	21.8
1 12	6 39.64	+17 23.0	2.056	3.023	4.1	22.0
1 22	6 30.77	+17 33.5	2.121	3.044	7.7	22.3
2 1	6 23.81	+17 45.3	2.212	3.064	10.9	22.5
2 11	6 19.24	+17 57.8	2.326	3.084	13.5	22.8

209377 2004 ES_{28} 1 2.5 38°.98 0°.7/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.05	+20 25.4	1.936	2.789	12.2	20.7
12 13	7 6.19	+20 33.9	1.878	2.800	8.6	20.5
12 23	6 58.41	+20 45.9	1.845	2.811	4.6	20.3
1 2	6 49.58	+20 59.8	1.840	2.823	0.7	20.0
1 12	6 40.78	+21 13.8	1.865	2.835	4.0	20.3
1 22	6 33.05	+21 26.6	1.918	2.847	7.9	20.5
2 1	6 27.26	+21 37.9	1.996	2.860	11.4	20.8
2 11	6 23.92	+21 47.6	2.097	2.873	14.3	21.0

451891 2014 JB_{37} 1 2.5 220°.47 0°.2/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.95	+21 6.3	1.742	2.592	13.5	22.2
12 13	7 10.78	+21 27.6	1.663	2.584	9.6	21.9
12 23	7 1.06	+21 53.2	1.609	2.575	5.2	21.6
1 2	6 49.73	+22 19.9	1.583	2.566	0.4	21.2
1 12	6 38.13	+22 44.7	1.587	2.557	4.7	21.5
1 22	6 27.64	+23 5.7	1.619	2.546	9.3	21.8
2 1	6 19.47	+23 22.5	1.677	2.535	13.5	22.0
2 11	6 14.35	+23 35.9	1.756	2.523	16.9	22.2

37371 2001 VR_{27} 1 2.5 172°.19 4°.4/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 13.76	+ 8 39.9	2.580	3.391	10.9	19.3
12 13	7 6.98	+ 8 5.5	2.507	3.395	8.4	19.1
12 23	6 58.71	+ 7 40.1	2.461	3.398	5.9	19.0
1 2	6 49.60	+ 7 25.0	2.444	3.401	4.5	18.9
1 12	6 40.47	+ 7 20.4	2.458	3.403	5.4	19.0
1 22	6 32.10	+ 7 25.5	2.501	3.405	7.7	19.1
2 1	6 25.17	+ 7 39.1	2.573	3.405	10.2	19.3
2 11	6 20.17	+ 7 58.9	2.667	3.405	12.5	19.4

144360 2004 DF_{44} 1 2.5 210°.21 8°.0/30.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 23.60	+54 46.8	3.168	3.923	10.3	20.7
12 13	7 14.53	+55 43.3	3.102	3.916	9.1	20.6
12 23	7 2.93	+56 23.5	3.060	3.909	8.2	20.6
1 2	6 49.82	+56 42.2	3.045	3.901	8.0	20.5
1 12	6 36.57	+56 37.0	3.056	3.893	8.6	20.6
1 22	6 24.58	+56 8.8	3.093	3.885	9.7	20.6
2 1	6 14.98	+55 21.3	3.154	3.876	11.0	20.7
2 11	6 8.44	+54 20.3	3.234	3.867	12.3	20.8

375586 2008 VB_{14} 1 2.5 351°.00 0°.5/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.72	+21 56.6	1.769	2.629	12.8	19.5
12 13	7 6.32	+22 37.2	1.699	2.625	9.1	19.3
12 23	6 58.66	+23 22.4	1.653	2.621	4.8	19.0
1 2	6 49.61	+24 8.4	1.634	2.618	0.5	18.7
1 12	6 40.37	+24 51.4	1.645	2.615	4.5	19.0
1 22	6 32.16	+25 28.8	1.683	2.613	8.8	19.2
2 1	6 26.05	+25 59.3	1.746	2.611	12.7	19.4
2 11	6 22.73	+26 23.3	1.830	2.610	15.9	19.7

65432 2002 TH_{209} 1 2.5 127°.67 2°.8/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.31	+13 18.9	2.053	2.885	12.5	20.6
12 13	7 8.34	+13 31.8	1.993	2.900	9.1	20.4
12 23	6 59.51	+13 54.2	1.958	2.915	5.5	20.2
1 2	6 49.65	+14 24.6	1.953	2.929	2.9	20.1
1 12	6 39.81	+15 0.8	1.978	2.942	4.6	20.2
1 22	6 30.99	+15 40.3	2.032	2.955	8.0	20.5
2 1	6 24.03	+16 21.0	2.113	2.967	11.3	20.7
2 11	6 19.47	+17 1.1	2.218	2.979	14.0	20.9

232718 2004 BC_{126} 1 2.5 188°.17 1°.0/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.78	+25 10.0	2.322	3.171	10.6	20.8
12 13	7 6.60	+25 29.1	2.250	3.171	7.5	20.6
12 23	6 58.62	+25 48.0	2.205	3.171	4.0	20.4
1 2	6 49.60	+26 4.2	2.188	3.171	1.0	20.2
1 12	6 40.51	+26 15.8	2.202	3.170	3.8	20.4
1 22	6 32.31	+26 22.2	2.246	3.170	7.3	20.6
2 1	6 25.80	+26 23.6	2.316	3.169	10.4	20.8
2 11	6 21.56	+26 21.3	2.409	3.169	13.1	21.0

205510 2001 RQ_{138} 1 2.5 136°.67 0°.6/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.55	+24 6.3	2.594	3.438	9.8	21.2
12 13	7 6.23	+24 23.7	2.527	3.446	6.9	21.0
12 23	6 58.35	+24 41.3	2.488	3.454	3.6	20.8
1 2	6 49.59	+24 57.1	2.478	3.461	0.6	20.6
1 12	6 40.83	+25 9.5	2.500	3.469	3.3	20.8
1 22	6 32.88	+25 17.8	2.552	3.476	6.6	21.0
2 1	6 26.46	+25 22.3	2.632	3.482	9.4	21.2
2 11	6 22.06	+25 23.6	2.735	3.489	11.8	21.4

146532 2001 SM_{191} 1 2.5 114°.38 3°.2/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.18	+30 25.2	1.814	2.666	12.9	20.5
12 13	7 10.13	+30 58.1	1.751	2.670	9.3	20.3
12 23	7 0.63	+31 26.2	1.713	2.674	5.5	20.1
1 2	6 49.71	+31 44.8	1.702	2.678	3.2	19.9
1 12	6 38.75	+31 50.9	1.721	2.682	5.5	20.1
1 22	6 29.12	+31 44.6	1.768	2.686	9.3	20.3
2 1	6 21.88	+31 28.3	1.839	2.690	12.8	20.5
2 11	6 17.69	+31 5.5	1.932	2.693	15.8	20.7

433731 2015 AM_{148} 1 2.5 347°.73 2°.9/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.34	+31 19.9	2.000	2.850	12.0	20.9
12 13	7 8.66	+31 26.8	1.930	2.848	8.7	20.7
12 23	6 59.79	+31 27.5	1.885	2.847	5.1	20.5
1 2	6 49.67	+31 18.8	1.869	2.845	2.9	20.3
1 12	6 39.55	+30 59.4	1.882	2.844	5.0	20.5
1 22	6 30.62	+30 30.2	1.923	2.843	8.6	20.7
2 1	6 23.86	+29 54.0	1.990	2.842	11.9	20.9
2 11	6 19.84	+29 14.0	2.079	2.841	14.8	21.1

434558 2005 TV_{130} 1 2.5 190°.52 17°.1/ 4.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.43	−10 31.4	1.290	2.054	22.1	21.2
12 13	7 10.74	−12 36.1	1.236	2.054	19.8	21.0
12 23	7 1.14	−14 5.7	1.201	2.053	18.0	20.9
1 2	6 49.75	−14 50.0	1.185	2.052	17.1	20.8
1 12	6 38.17	−14 44.4	1.189	2.051	17.5	20.9
1 22	6 28.02	−13 51.9	1.213	2.049	19.0	20.9
2 1	6 20.60	−12 21.3	1.256	2.047	21.1	21.1
2 11	6 16.71	−10 25.2	1.313	2.045	23.3	21.2

451085 2009 BW_{115} 1 2.5 55°.87 2°.4/ 2.3 15

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 19.13	+28 4.2	1.322	2.187	16.0	21.7
12 13	7 11.83	+28 18.5	1.275	2.203	11.3	21.4
12 23	7 1.58	+28 28.4	1.252	2.219	6.2	21.2
1 2	6 49.76	+28 29.5	1.255	2.235	2.4	21.0
1 12	6 38.21	+28 19.7	1.284	2.252	5.9	21.3
1 22	6 28.57	+28 0.3	1.340	2.269	10.6	21.6
2 1	6 22.03	+27 34.5	1.419	2.287	14.9	21.9
2 11	6 19.11	+27 5.9	1.518	2.304	18.3	22.2

299576 2006 EO_{63} 1 2.5 190°.43 3°.1/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.17	+15 11.3	1.779	2.621	13.6	21.4
12 13	7 9.28	+14 54.4	1.708	2.621	10.0	21.2
12 23	7 0.16	+14 45.4	1.661	2.620	6.0	21.0
1 2	6 49.70	+14 44.0	1.641	2.618	3.1	20.8
1 12	6 39.16	+14 49.5	1.652	2.616	5.2	20.9
1 22	6 29.73	+15 0.7	1.690	2.614	9.2	21.1
2 1	6 22.44	+15 16.4	1.754	2.611	13.0	21.4
2 11	6 17.93	+15 35.1	1.839	2.608	16.2	21.6

318259 2004 RY_{345} 1 2.5 176°.04 5°.1/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.13	+ 6 38.2	2.286	3.098	12.0	20.8
12 13	7 6.04	+ 6 25.1	2.213	3.100	9.4	20.6
12 23	6 58.30	+ 6 24.8	2.166	3.101	6.7	20.4
1 2	6 49.61	+ 6 38.0	2.146	3.102	5.1	20.3
1 12	6 40.85	+ 7 4.0	2.156	3.102	5.9	20.4
1 22	6 32.87	+ 7 40.7	2.195	3.103	8.3	20.5
2 1	6 26.44	+ 8 25.4	2.260	3.102	11.1	20.7
2 11	6 22.10	+ 9 14.8	2.348	3.102	13.6	20.9

240822 2006 AU_{76} 1 2.5 335°.33 1°.4/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.79	+19 54.1	1.176	2.050	16.9	20.2
12 13	7 8.60	+19 50.4	1.107	2.039	12.2	19.9
12 23	7 0.19	+19 53.4	1.060	2.028	6.7	19.6
1 2	6 49.72	+20 1.0	1.036	2.019	1.5	19.2
1 12	6 38.96	+20 11.0	1.038	2.010	5.9	19.5
1 22	6 29.72	+20 21.9	1.064	2.002	11.7	19.8
2 1	6 23.51	+20 32.8	1.112	1.995	16.8	20.0
2 11	6 21.16	+20 43.5	1.178	1.990	21.1	20.3

336577 2009 SR_{172} 1 2.5 105°.22 0°.2/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.16	+21 58.4	1.346	2.206	16.1	21.8
12 13	7 12.55	+22 23.2	1.294	2.219	11.4	21.6
12 23	7 2.01	+22 51.7	1.265	2.233	6.0	21.3
1 2	6 49.80	+23 19.5	1.262	2.245	0.3	20.9
1 12	6 37.69	+23 42.9	1.287	2.258	5.3	21.4
1 22	6 27.32	+24 0.3	1.339	2.270	10.5	21.7
2 1	6 19.94	+24 12.2	1.415	2.282	15.0	22.0
2 11	6 16.17	+24 19.9	1.510	2.293	18.6	22.3

132225 2002 EP_{70} 1 2.5 331°.76 0°.1/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.60	+22 17.0	1.283	2.154	16.0	19.3
12 13	7 9.02	+22 23.5	1.213	2.143	11.4	19.0
12 23	7 0.36	+22 33.6	1.165	2.134	6.1	18.7
1 2	6 49.74	+22 44.3	1.142	2.125	0.3	18.2
1 12	6 38.87	+22 52.9	1.145	2.116	5.5	18.6
1 22	6 29.47	+22 58.1	1.173	2.109	11.1	18.9
2 1	6 22.95	+23 0.2	1.224	2.102	16.0	19.1
2 11	6 20.15	+23 0.2	1.293	2.096	20.1	19.4

208688 2002 GR_{140} 1 2.5 212°.76 1°.3/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.60	+25 37.3	1.962	2.810	12.3	21.6
12 13	7 10.35	+26 1.3	1.884	2.804	8.7	21.4
12 23	7 0.78	+26 25.0	1.831	2.797	4.7	21.2
1 2	6 49.77	+26 44.7	1.808	2.790	1.3	20.9
1 12	6 38.57	+26 57.6	1.815	2.782	4.5	21.1
1 22	6 28.44	+27 3.1	1.850	2.773	8.6	21.3
2 1	6 20.45	+27 1.9	1.912	2.764	12.4	21.6
2 11	6 15.28	+26 56.0	1.996	2.755	15.5	21.8

15686 1981 EW_{33} 1 2.5 90°.27 0°.7/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.31	+20 46.2	1.849	2.700	12.8	19.1
12 13	7 8.53	+20 45.9	1.791	2.712	9.0	18.9
12 23	6 59.69	+20 48.5	1.758	2.724	4.8	18.7
1 2	6 49.71	+20 52.5	1.753	2.736	0.8	18.4
1 12	6 39.80	+20 56.4	1.778	2.748	4.2	18.7
1 22	6 31.09	+20 59.5	1.831	2.759	8.3	19.0
2 1	6 24.50	+21 1.9	1.910	2.771	12.0	19.2
2 11	6 20.57	+21 3.8	2.011	2.782	15.0	19.5

208280 2001 BB_{2} 1 2.5 239°.43 1°.1/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.91	+19 22.5	1.843	2.691	13.0	21.3
12 13	7 9.22	+19 27.7	1.761	2.681	9.3	21.1
12 23	7 0.21	+19 37.7	1.705	2.670	5.1	20.8
1 2	6 49.74	+19 50.8	1.676	2.659	1.2	20.5
1 12	6 39.04	+20 5.0	1.678	2.647	4.5	20.7
1 22	6 29.35	+20 19.0	1.707	2.635	8.9	21.0
2 1	6 21.76	+20 32.2	1.763	2.623	12.8	21.2
2 11	6 16.97	+20 44.6	1.840	2.610	16.2	21.4

319902 2006 WE_{204} 1 2.5 51°.37 1°.9/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 16.38	+27 49.3	1.763	2.619	13.1	20.7
12 13	7 9.54	+27 57.2	1.699	2.622	9.3	20.5
12 23	7 0.32	+28 1.8	1.659	2.625	5.1	20.2
1 2	6 49.74	+27 59.8	1.647	2.628	1.9	20.0
1 12	6 39.18	+27 49.6	1.664	2.631	4.9	20.2
1 22	6 29.94	+27 31.7	1.709	2.634	9.0	20.5
2 1	6 23.07	+27 8.2	1.779	2.638	12.8	20.7
2 11	6 19.16	+26 41.9	1.870	2.641	15.9	20.9

359177 2009 CD_{23} 1 2.5 204°.24 2°.5/ 3.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.49	+16 0.1	1.721	2.568	13.8	21.5
12 13	7 8.92	+16 1.2	1.649	2.566	10.0	21.3
12 23	7 0.03	+16 10.5	1.602	2.564	5.8	21.0
1 2	6 49.73	+16 27.1	1.582	2.561	2.5	20.8
1 12	6 39.30	+16 48.9	1.591	2.559	5.0	21.0
1 22	6 29.99	+17 14.0	1.628	2.556	9.2	21.2
2 1	6 22.85	+17 40.9	1.690	2.553	13.2	21.4
2 11	6 18.58	+18 8.0	1.774	2.549	16.5	21.7

136374 2004 EA_{59} 1 2.5 85°.57 5°.8/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.07	+42 9.4	2.375	3.196	11.4	19.4
12 13	7 11.10	+42 26.8	2.315	3.203	8.9	19.3
12 23	7 0.99	+42 30.8	2.279	3.210	6.8	19.1
1 2	6 49.78	+42 17.4	2.272	3.217	5.8	19.1
1 12	6 38.73	+41 45.3	2.294	3.224	6.8	19.2
1 22	6 29.04	+40 56.7	2.344	3.231	8.9	19.3
2 1	6 21.61	+39 55.7	2.420	3.237	11.3	19.5
2 11	6 16.96	+38 47.7	2.519	3.244	13.4	19.6

511778 2015 EK_{3} 1 2.5 311°.87 0°.5/ 2.4 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.06	+23 29.3	2.050	2.904	11.6	21.3
12 13	7 6.38	+23 47.1	1.968	2.892	8.2	21.0
12 23	6 58.66	+24 6.4	1.912	2.879	4.4	20.8
1 2	6 49.67	+24 24.9	1.884	2.867	0.5	20.5
1 12	6 40.48	+24 40.2	1.885	2.855	4.1	20.7
1 22	6 32.18	+24 51.3	1.915	2.843	8.1	20.9
2 1	6 25.72	+24 58.1	1.971	2.832	11.7	21.1
2 11	6 21.77	+25 1.3	2.049	2.820	14.7	21.3

226112 2002 PJ_{128} 1 2.5 131°.65 3°.0/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 21.52	+28 23.3	1.543	2.397	14.7	20.6
12 13	7 13.45	+29 8.3	1.488	2.409	10.5	20.3
12 23	7 2.49	+29 50.0	1.456	2.420	6.0	20.1
1 2	6 49.87	+30 22.3	1.452	2.431	3.0	19.9
1 12	6 37.27	+30 41.1	1.477	2.440	5.9	20.2
1 22	6 26.32	+30 46.0	1.529	2.450	10.3	20.4
2 1	6 18.25	+30 39.6	1.606	2.459	14.3	20.7
2 11	6 13.72	+30 25.9	1.703	2.467	17.5	20.9

431434 2007 PZ_{24} 1 2.5 168°.38 15°.5/ 8.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.63	−14 20.8	1.451	2.181	21.5	20.7
12 13	7 10.67	−14 58.8	1.391	2.184	19.2	20.6
12 23	7 1.04	−14 57.2	1.347	2.187	17.2	20.5
1 2	6 49.80	−14 9.4	1.324	2.189	15.7	20.4
1 12	6 38.42	−12 35.1	1.322	2.191	15.6	20.4
1 22	6 28.37	−10 21.0	1.343	2.192	16.7	20.4
2 1	6 20.85	− 7 38.6	1.387	2.192	18.7	20.6
2 11	6 16.60	− 4 42.1	1.450	2.192	21.0	20.7

295245 2008 GF_{28} 1 2.5 37°.58 0°.4/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.31	+20 23.2	1.609	2.467	14.0	20.9
12 13	7 8.19	+20 47.5	1.548	2.473	9.9	20.7
12 23	6 59.66	+21 17.2	1.511	2.478	5.3	20.4
1 2	6 49.73	+21 49.0	1.501	2.484	0.5	20.1
1 12	6 39.73	+22 19.7	1.519	2.490	4.6	20.4
1 22	6 31.01	+22 47.2	1.565	2.497	9.2	20.7
2 1	6 24.62	+23 10.5	1.636	2.503	13.3	20.9
2 11	6 21.22	+23 29.8	1.727	2.510	16.6	21.2

165562 2001 DD_{57} 1 2.5 7°.29 1°.8/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.09	+17 53.9	1.371	2.234	15.6	19.9
12 13	7 8.34	+18 5.9	1.309	2.235	11.2	19.6
12 23	6 59.87	+18 26.9	1.269	2.235	6.2	19.3
1 2	6 49.74	+18 54.3	1.255	2.237	1.8	19.1
1 12	6 39.50	+19 25.2	1.268	2.239	5.3	19.3
1 22	6 30.66	+19 56.5	1.306	2.241	10.3	19.6
2 1	6 24.45	+20 26.6	1.369	2.244	14.8	19.9
2 11	6 21.58	+20 54.3	1.451	2.247	18.6	20.1

451058 2008 YS_{123} 1 2.5 340°.90 1°.7/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.45	+18 38.0	1.240	2.110	16.5	20.9
12 13	7 8.21	+18 43.1	1.172	2.102	11.9	20.6
12 23	6 59.94	+18 56.9	1.126	2.094	6.6	20.3
1 2	6 49.75	+19 17.2	1.105	2.087	1.8	19.9
1 12	6 39.31	+19 41.1	1.110	2.081	5.7	20.2
1 22	6 30.31	+20 6.1	1.139	2.076	11.2	20.5
2 1	6 24.17	+20 30.4	1.190	2.072	16.1	20.7
2 11	6 21.70	+20 53.1	1.261	2.068	20.2	21.0

98790 2000 YW_{99} 1 2.5 346°.58 1°.2/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 14.82	+24 52.6	1.294	2.166	15.8	19.3
12 13	7 9.15	+25 6.7	1.229	2.160	11.3	19.0
12 23	7 0.41	+25 21.5	1.185	2.155	6.0	18.7
1 2	6 49.78	+25 32.9	1.167	2.150	1.2	18.4
1 12	6 38.98	+25 37.9	1.175	2.146	5.7	18.7
1 22	6 29.73	+25 35.7	1.209	2.143	11.0	19.0
2 1	6 23.42	+25 27.8	1.264	2.141	15.7	19.2
2 11	6 20.80	+25 16.3	1.339	2.140	19.6	19.5

191874 2004 XR_{89} 1 2.5 100°.85 0°.9/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.08	+24 52.1	2.053	2.905	11.7	20.3
12 13	7 7.68	+25 8.2	1.986	2.908	8.2	20.1
12 23	6 59.27	+25 24.3	1.944	2.911	4.4	19.9
1 2	6 49.71	+25 37.6	1.931	2.913	0.9	19.6
1 12	6 40.11	+25 46.1	1.947	2.916	4.1	19.8
1 22	6 31.55	+25 49.3	1.993	2.919	7.9	20.1
2 1	6 24.92	+25 47.7	2.065	2.921	11.4	20.3
2 11	6 20.83	+25 42.8	2.159	2.924	14.2	20.5

154628 2003 UA_{224} 1 2.5 103°.14 0°.3/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 21.80	+22 7.1	1.379	2.235	16.0	20.1
12 13	7 13.52	+22 8.7	1.331	2.255	11.3	19.9
12 23	7 2.43	+22 12.6	1.307	2.274	6.0	19.6
1 2	6 49.88	+22 15.7	1.309	2.292	0.4	19.3
1 12	6 37.58	+22 16.2	1.340	2.310	5.2	19.7
1 22	6 27.12	+22 13.8	1.398	2.328	10.2	20.0
2 1	6 19.64	+22 9.7	1.480	2.344	14.6	20.3
2 11	6 15.68	+22 5.2	1.582	2.361	18.0	20.6

425473 2010 EG_{112} 1 2.5 309°.15 4°.5/ 1.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.08	+35 46.8	2.246	3.088	11.2	21.0
12 13	7 8.49	+36 24.9	2.176	3.084	8.4	20.8
12 23	6 59.75	+36 55.1	2.131	3.081	5.7	20.6
1 2	6 49.75	+37 13.0	2.115	3.077	4.5	20.6
1 12	6 39.64	+37 16.0	2.127	3.074	6.0	20.6
1 22	6 30.60	+37 4.3	2.168	3.071	8.7	20.8
2 1	6 23.59	+36 40.3	2.234	3.067	11.5	21.0
2 11	6 19.24	+36 7.7	2.322	3.064	14.0	21.2

128219 2003 SP_{82} 1 2.5 180°.28 0°.5/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.07	+20 28.0	2.253	3.099	11.0	20.1
12 13	7 6.83	+20 42.1	2.180	3.099	7.8	19.9
12 23	6 58.79	+20 59.5	2.134	3.100	4.2	19.7
1 2	6 49.70	+21 18.3	2.117	3.100	0.6	19.4
1 12	6 40.53	+21 36.7	2.130	3.099	3.7	19.6
1 22	6 32.23	+21 53.5	2.173	3.099	7.3	19.9
2 1	6 25.62	+22 8.1	2.242	3.099	10.6	20.1
2 11	6 21.26	+22 20.7	2.335	3.098	13.4	20.3

163471 2002 RU_{185} 1 2.5 162°.24 1°.7/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.81	+17 59.6	2.392	3.232	10.7	20.2
12 13	7 6.48	+17 41.3	2.320	3.235	7.6	20.0
12 23	6 58.54	+17 26.7	2.275	3.237	4.3	19.8
1 2	6 49.69	+17 15.4	2.259	3.239	1.8	19.6
1 12	6 40.83	+17 7.1	2.274	3.241	3.8	19.8
1 22	6 32.81	+17 1.6	2.319	3.243	7.1	20.0
2 1	6 26.38	+16 58.7	2.391	3.244	10.1	20.2
2 11	6 22.03	+16 58.1	2.486	3.246	12.7	20.4

321143 2008 UN_{197} 1 2.5 103°.73 1°.1/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.96	+18 49.7	2.260	3.103	11.1	21.4
12 13	7 6.64	+18 57.9	2.199	3.116	7.8	21.2
12 23	6 58.63	+19 10.3	2.164	3.128	4.3	21.0
1 2	6 49.70	+19 25.3	2.159	3.141	1.1	20.8
1 12	6 40.80	+19 41.5	2.184	3.153	3.7	21.0
1 22	6 32.82	+19 57.7	2.238	3.165	7.2	21.3
2 1	6 26.53	+20 13.2	2.320	3.176	10.3	21.5
2 11	6 22.42	+20 27.6	2.425	3.188	12.9	21.7

185109 2006 SS_{45} 1 2.5 120°.90 0°.0/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.92	+21 42.0	1.778	2.630	13.1	20.9
12 13	7 9.17	+22 1.8	1.714	2.637	9.3	20.7
12 23	7 0.14	+22 24.8	1.676	2.643	4.9	20.4
1 2	6 49.79	+22 48.0	1.666	2.649	0.3	20.1
1 12	6 39.40	+23 8.8	1.685	2.655	4.4	20.4
1 22	6 30.22	+23 25.8	1.732	2.660	8.7	20.7
2 1	6 23.26	+23 38.7	1.805	2.666	12.5	21.0
2 11	6 19.13	+23 48.4	1.899	2.671	15.7	21.2

27192 Selenali 1 2.5 105°.57 3°.0/ 3.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.04	+15 28.1	1.583	2.429	14.9	17.9
12 13	7 10.61	+15 15.7	1.530	2.445	10.8	17.6
12 23	7 0.85	+15 12.1	1.501	2.462	6.3	17.4
1 2	6 49.83	+15 16.4	1.500	2.478	3.1	17.3
1 12	6 38.94	+15 27.4	1.527	2.493	5.4	17.4
1 22	6 29.48	+15 43.4	1.582	2.508	9.6	17.7
2 1	6 22.45	+16 2.8	1.662	2.523	13.4	18.0
2 11	6 18.42	+16 24.1	1.763	2.537	16.6	18.2

96031 2004 PG_{33} 1 2.5 107°.40 1°.4/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 13.82	+17 37.9	1.991	2.836	12.3	20.6
12 13	7 7.46	+17 56.4	1.927	2.844	8.7	20.4
12 23	6 59.16	+18 21.3	1.889	2.853	4.8	20.2
1 2	6 49.74	+18 50.5	1.879	2.861	1.4	19.9
1 12	6 40.29	+19 21.5	1.900	2.869	4.1	20.2
1 22	6 31.86	+19 52.5	1.949	2.877	8.0	20.4
2 1	6 25.31	+20 21.9	2.025	2.885	11.4	20.6
2 11	6 21.24	+20 49.1	2.123	2.892	14.3	20.9

301057 2008 UH_{50} 1 2.5 304°.55 1°.7/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.41	+19 20.1	1.337	2.202	15.9	20.9
12 13	7 9.58	+19 13.9	1.259	2.186	11.5	20.6
12 23	7 0.71	+19 13.9	1.203	2.170	6.4	20.3
1 2	6 49.84	+19 18.6	1.172	2.154	1.7	19.9
1 12	6 38.58	+19 26.1	1.168	2.139	5.7	20.1
1 22	6 28.63	+19 35.0	1.190	2.124	11.1	20.4
2 1	6 21.44	+19 45.0	1.234	2.110	16.1	20.6
2 11	6 17.89	+19 55.5	1.297	2.096	20.2	20.9

502304 2015 BL_{149} 1 2.5 357°.56 4°.9/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.07	+36 4.0	1.863	2.711	12.9	20.8
12 13	7 9.44	+36 26.8	1.797	2.709	9.6	20.6
12 23	7 0.33	+36 39.5	1.756	2.708	6.5	20.4
1 2	6 49.81	+36 37.3	1.741	2.707	4.9	20.3
1 12	6 39.28	+36 18.3	1.755	2.706	6.5	20.4
1 22	6 30.13	+35 43.7	1.796	2.707	9.7	20.6
2 1	6 23.42	+34 57.5	1.862	2.707	12.9	20.8
2 11	6 19.78	+34 4.6	1.948	2.708	15.8	21.0

202757 2007 QY_{14} 1 2.6 257°.00 2°.6/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.00	+15 55.9	1.854	2.694	13.3	20.7
12 13	7 10.12	+15 48.3	1.758	2.671	9.7	20.4
12 23	7 0.80	+15 47.9	1.687	2.647	5.8	20.1
1 2	6 49.86	+15 54.3	1.644	2.623	2.7	19.9
1 12	6 38.49	+16 6.2	1.632	2.598	5.1	20.0
1 22	6 27.98	+16 22.4	1.647	2.572	9.4	20.2
2 1	6 19.49	+16 41.7	1.689	2.545	13.5	20.3
2 11	6 13.85	+17 3.0	1.752	2.518	17.0	20.5

426869 2013 WQ_{19} 1 2.6 181°.15 0°.0/ 2.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.99	+20 48.0	2.451	3.295	10.3	20.8
12 13	7 6.02	+21 24.2	2.376	3.295	7.2	20.6
12 23	6 58.37	+22 4.1	2.329	3.295	3.8	20.4
1 2	6 49.72	+22 45.1	2.312	3.295	0.2	20.1
1 12	6 40.94	+23 24.5	2.326	3.295	3.4	20.4
1 22	6 32.92	+24 0.5	2.370	3.295	6.9	20.6
2 1	6 26.43	+24 32.1	2.441	3.295	10.0	20.8
2 11	6 22.03	+24 59.1	2.536	3.294	12.5	21.0

457909 2009 UY_{14} 1 2.6 81°.84 1°.8/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.36	+26 4.3	1.891	2.744	12.4	21.5
12 13	7 8.73	+26 45.2	1.832	2.755	8.8	21.3
12 23	6 59.90	+27 25.7	1.799	2.765	4.8	21.1
1 2	6 49.80	+28 1.4	1.794	2.775	1.8	20.9
1 12	6 39.67	+28 29.1	1.818	2.785	4.7	21.1
1 22	6 30.73	+28 47.7	1.871	2.795	8.5	21.4
2 1	6 23.94	+28 57.6	1.950	2.805	12.0	21.6
2 11	6 19.91	+29 0.8	2.050	2.814	14.9	21.8

461738 2005 UY_{11} 1 2.6 25°.07 8°.2/ 3.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.23	+ 3 5.0	1.742	2.556	15.2	20.9
12 13	7 6.48	+ 2 7.8	1.680	2.559	12.3	20.7
12 23	6 58.69	+ 1 28.6	1.640	2.562	9.6	20.5
1 2	6 49.74	+ 1 10.8	1.626	2.565	8.2	20.5
1 12	6 40.74	+ 1 15.4	1.638	2.568	8.9	20.5
1 22	6 32.79	+ 1 40.4	1.676	2.572	11.2	20.7
2 1	6 26.81	+ 2 21.9	1.738	2.576	14.0	20.9
2 11	6 23.39	+ 3 14.6	1.819	2.581	16.7	21.0

18490 1996 BG_{17} 1 2.6 30°.18 4°.7/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.04	+33 24.5	1.389	2.252	15.5	16.9
12 13	7 10.42	+33 49.0	1.345	2.267	11.3	16.7
12 23	7 0.89	+34 3.5	1.323	2.283	7.1	16.5
1 2	6 49.85	+34 2.8	1.328	2.300	4.7	16.4
1 12	6 39.08	+33 44.9	1.358	2.318	6.9	16.6
1 22	6 30.18	+33 12.0	1.414	2.337	10.8	16.9
2 1	6 24.31	+32 28.9	1.494	2.356	14.6	17.2
2 11	6 21.98	+31 40.7	1.593	2.376	17.8	17.4

261939 2006 OP_{7} 1 2.6 166°.08 1°.1/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.93	+18 25.1	1.923	2.767	12.7	21.4
12 13	7 9.07	+18 46.7	1.854	2.771	9.0	21.2
12 23	7 0.07	+19 14.4	1.810	2.774	4.9	20.9
1 2	6 49.82	+19 45.7	1.795	2.777	1.2	20.7
1 12	6 39.46	+20 17.9	1.810	2.780	4.2	20.9
1 22	6 30.15	+20 48.9	1.854	2.781	8.3	21.1
2 1	6 22.86	+21 17.4	1.925	2.783	12.0	21.4
2 11	6 18.22	+21 43.2	2.018	2.784	15.1	21.6

323958 2005 UB_{61} 1 2.6 177°.37 1°.1/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 14.21	+19 34.0	1.977	2.825	12.2	21.5
12 13	7 7.81	+19 35.9	1.906	2.825	8.7	21.2
12 23	6 59.38	+19 41.8	1.860	2.825	4.7	21.0
1 2	6 49.78	+19 50.4	1.843	2.826	1.1	20.7
1 12	6 40.11	+19 59.9	1.856	2.826	4.1	21.0
1 22	6 31.45	+20 9.6	1.898	2.826	8.1	21.2
2 1	6 24.72	+20 18.8	1.966	2.826	11.7	21.4
2 11	6 20.52	+20 27.6	2.056	2.825	14.7	21.6

400889 2010 RP_{39} 1 2.6 42°.49 6°.8/ 2.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 24.12	+38 32.7	1.250	2.104	17.4	19.6
12 13	7 15.35	+38 49.2	1.223	2.136	13.1	19.5
12 23	7 3.35	+38 47.4	1.218	2.168	9.0	19.3
1 2	6 49.97	+38 21.6	1.238	2.202	6.8	19.3
1 12	6 37.44	+37 32.2	1.284	2.235	8.4	19.5
1 22	6 27.53	+36 25.1	1.355	2.269	11.9	19.8
2 1	6 21.27	+35 8.7	1.449	2.304	15.4	20.1
2 11	6 18.97	+33 50.5	1.563	2.338	18.4	20.4

42686 1998 JH_{1} 1 2.6 184°.68 2°.0/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.83	+18 51.0	1.725	2.574	13.7	18.3
12 13	7 9.83	+18 25.7	1.655	2.574	9.8	18.1
12 23	7 0.51	+18 4.3	1.610	2.574	5.5	17.8
1 2	6 49.85	+17 46.4	1.593	2.574	2.0	17.6
1 12	6 39.14	+17 31.9	1.605	2.573	4.9	17.8
1 22	6 29.67	+17 20.9	1.646	2.573	9.2	18.0
2 1	6 22.45	+17 13.6	1.711	2.572	13.1	18.3
2 11	6 18.12	+17 9.7	1.798	2.571	16.4	18.5

246237 2007 RB_{274} 1 2.6 294°.87 4°.8/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.71	+ 8 27.1	2.258	3.080	11.8	20.6
12 13	7 5.11	+ 8 0.8	2.184	3.078	9.1	20.4
12 23	6 57.89	+ 7 45.4	2.135	3.076	6.4	20.3
1 2	6 49.71	+ 7 42.2	2.114	3.074	4.8	20.2
1 12	6 41.45	+ 7 51.0	2.123	3.072	5.8	20.2
1 22	6 33.98	+ 8 10.5	2.159	3.070	8.3	20.4
2 1	6 28.04	+ 8 38.6	2.222	3.068	11.1	20.6
2 11	6 24.16	+ 9 12.6	2.307	3.066	13.6	20.7

55307 2001 SO_{56} 1 2.6 82°.73 1°.1/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.18	+25 15.5	2.315	3.163	10.7	19.0
12 13	7 6.84	+25 45.5	2.258	3.178	7.5	18.8
12 23	6 58.78	+26 15.3	2.227	3.193	4.0	18.6
1 2	6 49.76	+26 41.9	2.226	3.208	1.2	18.4
1 12	6 40.76	+27 3.2	2.255	3.222	3.8	18.7
1 22	6 32.71	+27 18.2	2.314	3.237	7.2	18.9
2 1	6 26.39	+27 27.1	2.400	3.251	10.2	19.1
2 11	6 22.32	+27 31.3	2.508	3.266	12.7	19.3

462666 2009 SF_{353} 1 2.6 83°.30 1°.7/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.89	+26 50.4	1.890	2.743	12.5	21.8
12 13	7 9.05	+27 9.5	1.832	2.754	8.8	21.6
12 23	7 0.03	+27 26.5	1.799	2.765	4.8	21.4
1 2	6 49.82	+27 38.3	1.795	2.776	1.7	21.2
1 12	6 39.67	+27 42.7	1.820	2.787	4.5	21.4
1 22	6 30.75	+27 39.6	1.873	2.798	8.4	21.7
2 1	6 24.02	+27 30.3	1.952	2.808	11.9	21.9
2 11	6 20.05	+27 17.1	2.053	2.819	14.9	22.1

28146 1998 TC_{32} 1 2.6 316°.84 2°.3/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.06	+18 54.2	1.293	2.158	16.3	17.4
12 13	7 9.98	+18 30.1	1.222	2.149	11.8	17.1
12 23	7 0.88	+18 11.5	1.174	2.140	6.7	16.8
1 2	6 49.88	+17 58.0	1.151	2.132	2.3	16.5
1 12	6 38.67	+17 49.1	1.154	2.124	5.9	16.7
1 22	6 28.92	+17 44.4	1.182	2.116	11.2	17.0
2 1	6 22.02	+17 43.9	1.234	2.109	16.1	17.2
2 11	6 18.76	+17 47.1	1.304	2.103	20.1	17.5

502731 2015 DX_{33} 1 2.6 249°.70 2°.0/ 2.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.80	+28 52.3	2.570	3.415	9.8	21.5
12 13	7 6.63	+29 16.4	2.489	3.407	7.0	21.3
12 23	6 58.72	+29 37.8	2.435	3.398	4.0	21.1
1 2	6 49.77	+29 53.9	2.411	3.389	2.0	20.9
1 12	6 40.68	+30 2.8	2.417	3.380	4.0	21.0
1 22	6 32.38	+30 3.8	2.453	3.371	7.1	21.2
2 1	6 25.66	+29 57.9	2.517	3.362	10.0	21.4
2 11	6 21.09	+29 46.8	2.603	3.353	12.5	21.5

355407 2007 UE_{78} 1 2.6 198°.42 0°.8/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.64	+20 10.3	1.925	2.771	12.6	22.0
12 13	7 9.62	+20 18.7	1.850	2.769	9.0	21.8
12 23	7 0.41	+20 30.9	1.800	2.765	4.8	21.5
1 2	6 49.86	+20 45.0	1.779	2.762	0.8	21.2
1 12	6 39.17	+20 58.9	1.788	2.758	4.2	21.4
1 22	6 29.54	+21 11.5	1.826	2.753	8.5	21.7
2 1	6 21.96	+21 22.4	1.891	2.748	12.2	21.9
2 11	6 17.08	+21 31.9	1.977	2.742	15.4	22.1

234183 2000 QU_{46} 1 2.6 126°.02 2°.0/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 19.96	+27 17.6	1.733	2.584	13.5	20.9
12 13	7 12.05	+27 39.7	1.676	2.597	9.6	20.7
12 23	7 1.66	+27 59.0	1.644	2.609	5.3	20.5
1 2	6 49.92	+28 11.4	1.641	2.622	2.0	20.3
1 12	6 38.27	+28 14.6	1.667	2.633	5.0	20.5
1 22	6 28.08	+28 8.6	1.721	2.644	9.2	20.8
2 1	6 20.41	+27 55.5	1.801	2.655	12.9	21.1
2 11	6 15.85	+27 38.3	1.902	2.665	16.0	21.3

53041 1998 WL_{20} 1 2.6 255°.45 3°.5/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.17	+29 15.9	1.529	2.387	14.6	18.2
12 13	7 12.18	+30 3.5	1.454	2.377	10.6	18.0
12 23	7 2.08	+30 48.7	1.403	2.367	6.2	17.7
1 2	6 49.96	+31 24.7	1.379	2.356	3.5	17.5
1 12	6 37.49	+31 46.5	1.383	2.346	6.4	17.6
1 22	6 26.41	+31 52.8	1.414	2.335	10.9	17.9
2 1	6 18.15	+31 45.8	1.468	2.324	15.2	18.1
2 11	6 13.59	+31 29.7	1.542	2.313	18.8	18.3

51332 2000 LP_{35} 1 2.6 318°.14 0°.0/ 2.5 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.07	+24 20.3	2.246	3.094	11.0	18.0
12 13	7 7.53	+23 56.1	2.171	3.091	7.7	17.8
12 23	6 59.18	+23 30.3	2.121	3.088	4.1	17.6
1 2	6 49.81	+23 2.3	2.102	3.085	0.2	17.2
1 12	6 40.44	+22 32.0	2.112	3.082	3.7	17.5
1 22	6 32.04	+22 0.4	2.153	3.079	7.4	17.7
2 1	6 25.43	+21 29.0	2.220	3.077	10.7	17.9
2 11	6 21.12	+20 59.1	2.311	3.074	13.5	18.1

153992 2002 AT_{164} 1 2.6 335°.90 1°.5/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.96	+27 18.8	1.802	2.657	12.9	19.7
12 13	7 9.27	+27 15.4	1.732	2.655	9.2	19.4
12 23	7 0.25	+27 8.6	1.686	2.652	5.0	19.2
1 2	6 49.87	+26 55.9	1.668	2.650	1.5	18.9
1 12	6 39.46	+26 36.2	1.680	2.648	4.6	19.1
1 22	6 30.31	+26 10.4	1.719	2.646	8.9	19.4
2 1	6 23.44	+25 40.7	1.784	2.645	12.7	19.6
2 11	6 19.48	+25 9.7	1.870	2.643	15.9	19.8

15403 Merignac 1 2.6 139°.51 2°.1/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.32	+27 16.2	1.863	2.716	12.6	18.9
12 13	7 9.52	+27 50.3	1.797	2.719	9.0	18.6
12 23	7 0.39	+28 22.9	1.756	2.721	5.0	18.4
1 2	6 49.88	+28 49.6	1.744	2.724	2.1	18.2
1 12	6 39.29	+29 7.4	1.761	2.727	4.9	18.4
1 22	6 29.89	+29 15.5	1.807	2.729	8.8	18.7
2 1	6 22.72	+29 14.9	1.878	2.731	12.5	18.9
2 11	6 18.44	+29 8.2	1.970	2.734	15.5	19.1

76426 2000 FT_{21} 1 2.6 195°.48 1°.0/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.01	+24 10.3	2.188	3.033	11.3	19.8
12 13	7 9.08	+24 48.3	2.112	3.031	8.0	19.6
12 23	7 0.10	+25 27.7	2.062	3.028	4.3	19.4
1 2	6 49.87	+26 5.0	2.043	3.025	1.0	19.1
1 12	6 39.46	+26 37.0	2.054	3.021	4.1	19.3
1 22	6 29.97	+27 2.0	2.095	3.017	7.8	19.6
2 1	6 22.33	+27 20.1	2.163	3.012	11.2	19.8
2 11	6 17.19	+27 32.3	2.253	3.007	14.1	20.0

120233 2004 FZ_{65} 1 2.6 193°.18 4°.9/ 1.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.13	+37 15.0	2.466	3.295	10.7	20.2
12 13	7 11.33	+38 12.8	2.394	3.293	8.2	20.1
12 23	7 1.32	+39 2.5	2.349	3.290	5.9	19.9
1 2	6 49.94	+39 38.9	2.333	3.287	4.9	19.8
1 12	6 38.36	+39 58.6	2.347	3.283	6.2	19.9
1 22	6 27.78	+40 1.3	2.390	3.278	8.7	20.1
2 1	6 19.20	+39 49.2	2.460	3.273	11.3	20.2
2 11	6 13.30	+39 26.5	2.551	3.267	13.5	20.4

246196 2007 RR_{109} 1 2.6 147°.73 3°.0/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.07	+14 52.5	1.732	2.575	13.9	20.8
12 13	7 9.27	+14 44.4	1.666	2.580	10.2	20.6
12 23	7 0.23	+14 45.1	1.626	2.585	6.1	20.4
1 2	6 49.89	+14 54.0	1.612	2.589	3.1	20.2
1 12	6 39.51	+15 9.8	1.628	2.594	5.2	20.4
1 22	6 30.30	+15 30.7	1.672	2.597	9.2	20.6
2 1	6 23.28	+15 54.9	1.741	2.601	13.0	20.8
2 11	6 19.04	+16 20.8	1.831	2.604	16.2	21.1

453308 2008 UT_{359} 1 2.6 41°.62 1°.2/ 2.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.42	+19 47.8	1.165	2.036	17.3	21.4
12 13	7 10.12	+19 54.2	1.121	2.051	12.2	21.1
12 23	7 0.83	+20 7.4	1.099	2.067	6.6	20.9
1 2	6 49.92	+20 24.5	1.101	2.083	1.3	20.6
1 12	6 39.21	+20 42.4	1.129	2.101	5.6	20.9
1 22	6 30.35	+20 59.3	1.182	2.118	11.0	21.3
2 1	6 24.56	+21 14.4	1.257	2.136	15.6	21.6
2 11	6 22.41	+21 27.6	1.352	2.155	19.3	21.9

496158 2010 VJ_{164} 1 2.6 14°.45 5°.6/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 14.34	+13 5.6	1.444	2.295	15.7	20.5
12 13	7 8.25	+11 50.5	1.384	2.298	11.8	20.2
12 23	6 59.74	+10 44.9	1.348	2.302	7.8	20.0
1 2	6 49.87	+ 9 52.3	1.338	2.307	5.6	19.9
1 12	6 40.05	+ 9 15.1	1.355	2.312	7.3	20.0
1 22	6 31.61	+ 8 53.9	1.398	2.319	11.1	20.2
2 1	6 25.61	+ 8 47.3	1.464	2.325	14.9	20.5
2 11	6 22.65	+ 8 52.4	1.549	2.333	18.1	20.7

130505 2000 QQ_{141} 1 2.6 32°.12 0°.3/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.50	+21 45.4	1.184	2.057	16.9	18.5
12 13	7 9.60	+22 18.6	1.135	2.067	11.9	18.3
12 23	7 0.64	+22 57.2	1.109	2.079	6.3	18.0
1 2	6 49.92	+23 36.1	1.107	2.091	0.4	17.6
1 12	6 39.27	+24 10.7	1.132	2.104	5.6	18.0
1 22	6 30.39	+24 38.3	1.181	2.117	11.0	18.4
2 1	6 24.58	+24 58.6	1.253	2.132	15.7	18.7
2 11	6 22.47	+25 12.7	1.344	2.147	19.4	19.0

45469 2000 AY_{203} 1 2.6 45°.26 0°.8/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.72	+22 14.5	1.622	2.478	14.0	17.4
12 13	7 9.85	+21 49.6	1.558	2.482	9.9	17.2
12 23	7 0.56	+21 25.4	1.518	2.485	5.3	16.9
1 2	6 49.92	+21 1.1	1.506	2.489	0.8	16.6
1 12	6 39.32	+20 36.7	1.522	2.493	4.7	16.9
1 22	6 30.09	+20 12.9	1.567	2.497	9.3	17.2
2 1	6 23.29	+19 51.1	1.636	2.501	13.4	17.4
2 11	6 19.52	+19 32.2	1.726	2.505	16.7	17.7

254700 2005 MM_{40} 1 2.6 80°.84 3°.0/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.32	+13 58.0	1.743	2.586	13.8	20.5
12 13	7 7.98	+14 6.7	1.684	2.598	10.1	20.3
12 23	6 59.52	+14 25.9	1.650	2.609	6.0	20.0
1 2	6 49.86	+14 54.2	1.643	2.620	3.0	19.9
1 12	6 40.21	+15 29.2	1.664	2.631	5.0	20.0
1 22	6 31.71	+16 8.0	1.714	2.642	8.9	20.3
2 1	6 25.31	+16 48.2	1.790	2.653	12.5	20.5
2 11	6 21.59	+17 27.8	1.887	2.664	15.6	20.8

124993 2001 TR_{144} 1 2.6 130°.74 0°.8/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.33	+22 59.8	1.679	2.530	13.9	19.8
12 13	7 11.70	+23 39.1	1.621	2.542	9.8	19.6
12 23	7 1.56	+24 20.9	1.588	2.554	5.2	19.4
1 2	6 49.98	+25 0.5	1.583	2.566	0.8	19.1
1 12	6 38.39	+25 34.1	1.608	2.577	4.7	19.4
1 22	6 28.17	+25 59.8	1.661	2.587	9.2	19.7
2 1	6 20.43	+26 18.0	1.740	2.596	13.1	19.9
2 11	6 15.80	+26 30.1	1.840	2.605	16.3	20.2

43871 1994 TW_{15} 1 2.6 63°.02 2°.2/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.19	+17 42.0	1.484	2.338	15.2	18.6
12 13	7 10.06	+17 33.8	1.442	2.363	10.8	18.4
12 23	7 0.58	+17 32.6	1.423	2.388	6.0	18.2
1 2	6 49.92	+17 37.1	1.432	2.413	2.2	18.0
1 12	6 39.53	+17 45.7	1.469	2.438	5.1	18.3
1 22	6 30.72	+17 57.0	1.532	2.462	9.5	18.6
2 1	6 24.44	+18 9.9	1.620	2.487	13.4	18.9
2 11	6 21.20	+18 23.7	1.729	2.512	16.6	19.2

65190 2002 CV_{247} 1 2.6 105°.92 3°.8/ 3.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.32	+ 9 6.7	2.579	3.392	10.8	19.3
12 13	7 6.63	+ 9 1.4	2.527	3.418	8.2	19.2
12 23	6 58.57	+ 9 5.9	2.502	3.445	5.5	19.0
1 2	6 49.82	+ 9 20.0	2.507	3.470	3.8	19.0
1 12	6 41.17	+ 9 42.6	2.542	3.495	4.7	19.0
1 22	6 33.35	+10 12.0	2.608	3.519	7.0	19.2
2 1	6 27.00	+10 46.1	2.701	3.543	9.5	19.4
2 11	6 22.52	+11 22.8	2.819	3.565	11.7	19.6

99383 2001 YV_{109} 1 2.6 201°.97 0°.4/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.47	+21 39.6	1.783	2.633	13.2	19.2
12 13	7 10.48	+22 25.0	1.709	2.630	9.4	19.0
12 23	7 1.00	+23 15.2	1.660	2.627	5.0	18.7
1 2	6 49.96	+24 5.9	1.640	2.623	0.5	18.4
1 12	6 38.67	+24 52.7	1.650	2.619	4.6	18.7
1 22	6 28.47	+25 32.7	1.688	2.614	9.1	18.9
2 1	6 20.51	+26 5.2	1.752	2.609	13.1	19.2
2 11	6 15.55	+26 30.7	1.838	2.604	16.4	19.4

378519 2007 UT_{121} 1 2.6 123°.83 1°.4/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.13	+17 51.1	2.541	3.380	10.2	21.2
12 13	7 5.95	+17 49.4	2.476	3.390	7.2	21.1
12 23	6 58.29	+17 51.7	2.438	3.401	4.1	20.9
1 2	6 49.81	+17 57.3	2.430	3.411	1.5	20.7
1 12	6 41.35	+18 5.1	2.453	3.421	3.5	20.9
1 22	6 33.69	+18 14.4	2.506	3.430	6.6	21.1
2 1	6 27.51	+18 24.5	2.586	3.439	9.5	21.3
2 11	6 23.29	+18 35.1	2.690	3.448	11.9	21.5

520435 2014 KU_2 1 2.6 128°.47 0°.2/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 18.69	+21 49.2	1.860	2.706	13.0	21.8
12 13	7 11.02	+22 23.1	1.803	2.722	9.1	21.6
12 23	7 1.12	+23 0.0	1.771	2.737	4.8	21.3
1 2	6 49.97	+23 36.0	1.769	2.752	0.3	21.0
1 12	6 38.85	+24 7.9	1.797	2.766	4.3	21.4
1 22	6 28.97	+24 34.1	1.854	2.779	8.5	21.6
2 1	6 21.33	+24 54.4	1.937	2.792	12.1	21.9
2 11	6 16.50	+25 9.8	2.043	2.803	15.1	22.1

155984 2001 QD_{256} 1 2.6 106°.61 2°.3/ 2.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 21.51	+27 30.5	1.601	2.453	14.4	20.4
12 13	7 13.24	+28 4.0	1.552	2.473	10.2	20.2
12 23	7 2.35	+28 34.4	1.528	2.493	5.6	20.0
1 2	6 50.04	+28 56.7	1.532	2.512	2.3	19.8
1 12	6 37.92	+29 7.8	1.566	2.531	5.4	20.0
1 22	6 27.45	+29 7.8	1.627	2.549	9.6	20.3
2 1	6 19.73	+28 59.1	1.713	2.567	13.5	20.6
2 11	6 15.34	+28 45.0	1.820	2.583	16.6	20.8

145117 2005 GV_{129} 1 2.6 126°.26 1°.2/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.60	+25 5.4	2.140	2.984	11.6	20.9
12 13	7 10.06	+25 37.8	2.082	3.001	8.1	20.7
12 23	7 0.55	+26 9.7	2.052	3.017	4.4	20.5
1 2	6 49.95	+26 37.8	2.051	3.033	1.2	20.3
1 12	6 39.40	+26 59.5	2.082	3.049	4.1	20.6
1 22	6 29.96	+27 13.9	2.142	3.063	7.7	20.8
2 1	6 22.51	+27 21.6	2.229	3.077	11.0	21.1
2 11	6 17.60	+27 24.3	2.338	3.090	13.6	21.3

203815 2002 TQ_{235} 1 2.6 64°.64 1°.4/ 2.7 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.79	+20 39.4	2.094	2.940	11.7	19.9
12 13	7 8.00	+20 2.6	2.031	2.950	8.3	19.7
12 23	6 59.42	+19 27.2	1.995	2.960	4.6	19.5
1 2	6 49.89	+18 53.3	1.988	2.970	1.4	19.2
1 12	6 40.47	+18 21.5	2.012	2.980	4.0	19.5
1 22	6 32.14	+17 52.6	2.064	2.990	7.7	19.7
2 1	6 25.68	+17 27.5	2.144	3.001	11.0	19.9
2 11	6 21.60	+17 6.5	2.246	3.011	13.8	20.1

3250 Martebo 1 2.6 66°.30 4°.7/ 3.5 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.83	+ 9 30.1	2.061	2.888	12.6	15.9
12 13	7 5.96	+ 9 5.0	2.000	2.898	9.6	15.7
12 23	6 58.37	+ 8 51.4	1.964	2.908	6.6	15.6
1 2	6 49.83	+ 8 50.1	1.955	2.919	4.7	15.5
1 12	6 41.32	+ 9 0.5	1.976	2.929	5.8	15.6
1 22	6 33.74	+ 9 21.1	2.024	2.939	8.5	15.8
2 1	6 27.87	+ 9 49.6	2.099	2.950	11.5	16.0
2 11	6 24.23	+10 23.1	2.195	2.960	14.0	16.2

43751 Asam 1 2.6 66°.11 1°.3/ 2.4 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.06	+25 20.0	1.495	2.354	14.8	18.4
12 13	7 11.48	+25 40.7	1.455	2.380	10.4	18.2
12 23	7 1.37	+26 0.4	1.438	2.406	5.5	17.9
1 2	6 49.99	+26 15.0	1.449	2.431	1.3	17.7
1 12	6 38.91	+26 22.1	1.488	2.457	5.0	18.0
1 22	6 29.54	+26 21.8	1.555	2.483	9.5	18.4
2 1	6 22.90	+26 15.7	1.646	2.509	13.4	18.7
2 11	6 19.49	+26 6.0	1.757	2.534	16.6	18.9

405162 2002 TG_{367} 1 2.6 62°.09 1°.1/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.45	+18 15.5	1.552	2.407	14.6	21.3
12 13	7 9.01	+18 44.8	1.499	2.421	10.3	21.1
12 23	7 0.15	+19 21.8	1.469	2.435	5.6	20.8
1 2	6 49.93	+20 3.1	1.467	2.449	1.2	20.6
1 12	6 39.74	+20 44.9	1.493	2.464	4.7	20.8
1 22	6 30.92	+21 24.4	1.547	2.478	9.3	21.1
2 1	6 24.50	+21 59.8	1.625	2.493	13.3	21.4
2 11	6 21.10	+22 30.8	1.724	2.507	16.6	21.7

35160 1993 NY 1 2.6 219°.27 0°.1/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.08	+22 18.6	1.728	2.579	13.5	19.7
12 13	7 10.93	+22 26.4	1.651	2.572	9.6	19.5
12 23	7 1.25	+22 36.4	1.599	2.565	5.2	19.2
1 2	6 50.00	+22 45.9	1.575	2.558	0.3	18.8
1 12	6 38.56	+22 52.8	1.580	2.550	4.6	19.1
1 22	6 28.30	+22 56.2	1.614	2.542	9.3	19.4
2 1	6 20.38	+22 56.6	1.673	2.533	13.4	19.6
2 11	6 15.53	+22 55.2	1.754	2.524	16.9	19.8

315533 2008 AV_{137} 1 2.6 162°.69 6°.6/ 1.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 23.04	+41 40.6	2.060	2.883	12.8	20.3
12 13	7 14.32	+42 16.0	1.997	2.887	10.1	20.2
12 23	7 2.95	+42 37.0	1.959	2.891	7.6	20.0
1 2	6 50.09	+42 37.7	1.949	2.894	6.6	20.0
1 12	6 37.31	+42 15.8	1.968	2.897	7.7	20.0
1 22	6 26.10	+41 33.4	2.014	2.900	10.2	20.2
2 1	6 17.59	+40 35.7	2.086	2.902	12.9	20.4
2 11	6 12.38	+39 29.1	2.178	2.904	15.3	20.5

313862 2004 FB_{121} 1 2.6 274°.38 14°.4/25.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 35.17	+59 43.0	1.930	2.680	16.2	20.1
12 13	7 25.91	+62 5.7	1.871	2.663	15.0	20.0
12 23	7 10.64	+64 4.2	1.833	2.646	14.5	19.9
1 2	6 50.57	+65 24.3	1.818	2.629	14.6	19.9
1 12	6 28.82	+65 57.0	1.824	2.611	15.5	19.9
1 22	6 9.34	+65 43.1	1.850	2.594	16.9	20.0
2 1	5 55.32	+64 51.5	1.893	2.576	18.5	20.1
2 11	5 48.17	+63 35.2	1.951	2.558	20.1	20.2

277097 2005 EF_{273} 1 2.6 130°.77 3°.6/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.26	+11 10.2	2.324	3.152	11.3	20.5
12 13	7 5.49	+11 3.7	2.254	3.156	8.5	20.3
12 23	6 58.12	+11 6.6	2.210	3.160	5.5	20.2
1 2	6 49.84	+11 19.0	2.194	3.163	3.6	20.1
1 12	6 41.51	+11 39.9	2.208	3.167	4.8	20.1
1 22	6 33.97	+12 7.5	2.251	3.170	7.6	20.3
2 1	6 27.94	+12 40.0	2.321	3.173	10.5	20.5
2 11	6 23.96	+13 15.1	2.414	3.176	13.0	20.7

453150 2008 BM_{37} 1 2.6 9°.13 1°.5/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.43	+23 31.7	1.227	2.103	16.2	20.4
12 13	7 8.28	+24 22.7	1.171	2.104	11.5	20.2
12 23	7 0.06	+25 18.2	1.137	2.107	6.1	19.9
1 2	6 49.96	+26 12.0	1.128	2.110	1.5	19.6
1 12	6 39.72	+26 58.2	1.145	2.115	5.9	19.9
1 22	6 31.09	+27 33.5	1.187	2.121	11.1	20.2
2 1	6 25.42	+27 57.5	1.251	2.128	15.8	20.5
2 11	6 23.46	+28 12.1	1.333	2.137	19.6	20.8

460000 2014 OT_{79} 1 2.6 51°.12 6°.0/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 22.45	+37 26.6	1.422	2.273	15.9	20.5
12 13	7 14.28	+37 40.5	1.376	2.288	12.0	20.3
12 23	7 2.98	+37 39.1	1.352	2.304	8.1	20.1
1 2	6 50.11	+37 16.9	1.354	2.319	6.0	20.1
1 12	6 37.64	+36 32.8	1.382	2.335	7.8	20.2
1 22	6 27.33	+35 31.2	1.437	2.351	11.3	20.4
2 1	6 20.35	+34 19.1	1.515	2.368	15.0	20.7
2 11	6 17.18	+33 3.8	1.614	2.385	18.1	21.0

30872 1992 EM_{17} 1 2.6 259°.63 1°.6/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.27	+17 49.8	1.584	2.437	14.5	17.8
12 13	7 9.87	+18 6.8	1.504	2.425	10.5	17.6
12 23	7 0.81	+18 32.1	1.449	2.414	5.8	17.3
1 2	6 50.01	+19 3.5	1.420	2.402	1.6	17.0
1 12	6 38.87	+19 37.7	1.420	2.390	5.0	17.2
1 22	6 28.86	+20 12.2	1.447	2.378	9.9	17.4
2 1	6 21.21	+20 45.0	1.499	2.365	14.3	17.7
2 11	6 16.76	+21 15.3	1.571	2.353	18.0	17.9

181589 2006 VL_{138} 1 2.6 51°.95 4°.7/ 1.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.16	+31 47.1	1.438	2.298	15.2	18.9
12 13	7 11.88	+32 47.7	1.400	2.322	11.0	18.7
12 23	7 1.72	+33 40.6	1.387	2.346	6.9	18.6
1 2	6 50.04	+34 18.8	1.399	2.371	4.7	18.5
1 12	6 38.61	+34 38.3	1.439	2.396	7.0	18.7
1 22	6 29.02	+34 39.7	1.505	2.421	10.8	19.0
2 1	6 22.44	+34 26.6	1.594	2.447	14.4	19.3
2 11	6 19.39	+34 4.2	1.703	2.472	17.3	19.5

468249 2015 BT_{271} 1 2.6 61°.02 2°.7/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.47	+13 8.1	2.155	2.992	11.8	21.2
12 13	7 5.75	+13 27.1	2.089	2.998	8.6	21.0
12 23	6 58.31	+13 55.8	2.048	3.005	5.3	20.8
1 2	6 49.86	+14 32.8	2.036	3.012	2.8	20.6
1 12	6 41.36	+15 15.8	2.054	3.019	4.3	20.7
1 22	6 33.72	+16 2.2	2.101	3.026	7.6	21.0
2 1	6 27.72	+16 49.5	2.175	3.034	10.8	21.2
2 11	6 23.92	+17 35.6	2.271	3.041	13.5	21.4

465244 2007 RU_{293} 1 2.6 223°.93 2°.5/ 1.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.32	+30 22.2	2.563	3.405	9.9	21.8
12 13	7 7.76	+30 52.4	2.483	3.398	7.2	21.7
12 23	6 59.40	+31 19.2	2.430	3.390	4.3	21.5
1 2	6 49.93	+31 39.3	2.407	3.382	2.5	21.3
1 12	6 40.32	+31 50.5	2.414	3.374	4.3	21.4
1 22	6 31.52	+31 52.2	2.452	3.365	7.3	21.6
2 1	6 24.37	+31 45.5	2.516	3.356	10.2	21.8
2 11	6 19.45	+31 32.6	2.603	3.347	12.6	21.9

290291 2005 SM_{168} 1 2.6 180°.59 2°.3/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.90	+30 36.5	2.664	3.507	9.6	21.2
12 13	7 6.62	+30 50.5	2.592	3.507	6.9	21.0
12 23	6 58.72	+31 0.3	2.546	3.507	4.1	20.8
1 2	6 49.90	+31 3.5	2.531	3.507	2.3	20.7
1 12	6 41.04	+30 58.9	2.546	3.507	4.0	20.8
1 22	6 33.03	+30 46.4	2.591	3.507	6.8	21.0
2 1	6 26.59	+30 27.5	2.663	3.507	9.5	21.2
2 11	6 22.24	+30 4.2	2.758	3.506	11.9	21.3

486888 2014 KP_{70} 1 2.6 170°.81 2°.9/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 16.77	+14 16.9	1.931	2.766	13.0	22.1
12 13	7 9.64	+14 14.1	1.861	2.770	9.5	21.9
12 23	7 0.43	+14 20.0	1.816	2.773	5.8	21.7
1 2	6 50.00	+14 33.7	1.800	2.776	3.0	21.5
1 12	6 39.49	+14 53.9	1.814	2.778	4.9	21.6
1 22	6 30.04	+15 18.6	1.856	2.779	8.6	21.9
2 1	6 22.56	+15 46.2	1.926	2.780	12.2	22.1
2 11	6 17.69	+16 15.0	2.017	2.780	15.2	22.3

257570 1998 YT_{16} 1 2.6 72°.42 1°.4/ 2.9 18

12 3	7 14.73	+18 0.4	1.705	2.556	13.7	21.0
12 13	7 8.42	+18 19.2	1.643	2.563	9.8	20.8
12 23	6 59.85	+18 45.2	1.605	2.570	5.4	20.5
1 2	6 49.97	+19 15.8	1.595	2.577	1.5	20.3
1 12	6 40.04	+19 48.3	1.614	2.584	4.5	20.5
1 22	6 31.30	+20 20.2	1.661	2.592	8.9	20.8
2 1	6 24.74	+20 50.1	1.734	2.599	12.7	21.0
2 11	6 21.01	+21 17.3	1.827	2.606	16.0	21.3

48385 1978 VH_9 1 2.6 329°.38 1°.7/ 2.7 18

12 3	7 13.05	+20 38.8	1.281	2.153	15.9	18.3
12 13	7 8.07	+20 11.2	1.201	2.131	11.5	17.9
12 23	7 0.04	+19 46.3	1.142	2.111	6.4	17.6
1 2	6 49.99	+19 23.8	1.109	2.091	1.7	17.2
1 12	6 39.55	+19 3.6	1.101	2.072	5.8	17.5
1 22	6 30.43	+18 46.3	1.117	2.054	11.4	17.7
2 1	6 24.08	+18 32.7	1.156	2.038	16.4	17.9
2 11	6 21.40	+18 23.0	1.213	2.023	20.7	18.2

334527 2002 RG_{189} 1 2.6 75°.95 2°.5/ 3.2 18 R

12 3	7 23.30	+14 58.9	1.358	2.203	16.9	20.6
12 13	7 14.31	+15 27.9	1.329	2.244	12.0	20.4
12 23	7 2.80	+16 7.7	1.323	2.285	6.8	20.2
1 2	6 50.12	+16 54.3	1.345	2.325	2.6	20.1
1 12	6 37.96	+17 43.1	1.395	2.364	5.4	20.3
1 22	6 27.73	+18 30.5	1.473	2.402	10.0	20.7
2 1	6 20.42	+19 14.5	1.576	2.439	14.0	21.0
2 11	6 16.48	+19 54.1	1.700	2.475	17.1	21.3

344848 2004 GR_{41} 1 2.6 256°.78 1°.9/ 2.1 18

12 3	7 18.55	+24 31.8	1.488	2.347	14.9	20.3
12 13	7 11.82	+25 26.5	1.411	2.336	10.6	20.1
12 23	7 2.00	+26 25.1	1.357	2.324	5.8	19.8
1 2	6 50.11	+27 21.2	1.331	2.312	1.9	19.5
1 12	6 37.75	+28 9.0	1.332	2.300	5.7	19.7
1 22	6 26.65	+28 44.9	1.361	2.288	10.8	19.9
2 1	6 18.28	+29 8.9	1.414	2.275	15.3	20.2
2 11	6 13.57	+29 23.4	1.486	2.262	19.1	20.4

210559 1999 TA_{136} 1 2.6 106°.75 6°.4/31.9 18

12 3	7 18.29	+45 50.8	2.805	3.608	10.3	20.1
12 13	7 10.60	+46 41.3	2.754	3.622	8.4	20.0
12 23	7 0.88	+47 18.8	2.729	3.635	7.0	19.9
1 2	6 50.03	+47 38.6	2.731	3.648	6.5	19.9
1 12	6 39.21	+47 38.8	2.762	3.661	7.2	20.0
1 22	6 29.53	+47 20.4	2.821	3.674	8.7	20.1
2 1	6 21.88	+46 46.6	2.904	3.686	10.5	20.2
2 11	6 16.83	+46 2.0	3.009	3.698	12.2	20.4

260093 2004 LL_{15} 1 2.6 78°.99 0°.5/ 2.5 18

12 3	7 16.57	+22 32.3	1.900	2.750	12.6	20.4
12 13	7 9.43	+23 9.0	1.854	2.775	8.8	20.3
12 23	7 0.25	+23 47.6	1.834	2.801	4.6	20.1
1 2	6 50.00	+24 24.5	1.843	2.826	0.6	19.8
1 12	6 39.89	+24 56.6	1.882	2.851	4.1	20.1
1 22	6 31.02	+25 22.4	1.950	2.876	8.1	20.4
2 1	6 24.29	+25 41.9	2.045	2.901	11.5	20.7
2 11	6 20.20	+25 56.0	2.161	2.925	14.3	20.9

59375 1999 EQ_{13} 1 2.6 152°.25 3°.5/ 1.9 18

12 3	7 15.66	+34 5.7	2.423	3.263	10.6	20.1
12 13	7 8.73	+34 28.9	2.356	3.266	7.8	19.9
12 23	6 59.89	+34 45.2	2.315	3.269	5.0	19.7
1 2	6 49.99	+34 51.2	2.303	3.271	3.5	19.6
1 12	6 40.07	+34 45.1	2.321	3.274	5.0	19.7
1 22	6 31.18	+34 27.4	2.368	3.276	7.8	19.9
2 1	6 24.16	+34 0.3	2.442	3.278	10.6	20.1
2 11	6 19.57	+33 27.1	2.538	3.280	12.9	20.3

43840 1993 FE_{76} 1 2.6 113°.56 1°.7/ 2.9 18

12 3	7 17.26	+17 17.6	2.127	2.962	12.0	19.8
12 13	7 9.67	+17 18.2	2.074	2.987	8.5	19.6
12 23	7 0.30	+17 24.1	2.048	3.010	4.8	19.5
1 2	6 50.02	+17 33.8	2.052	3.033	1.8	19.3
1 12	6 39.88	+17 46.0	2.087	3.054	4.0	19.5
1 22	6 30.85	+17 59.5	2.152	3.075	7.6	19.7
2 1	6 23.72	+18 13.7	2.244	3.096	10.8	20.0
2 11	6 18.97	+18 28.0	2.359	3.115	13.4	20.2

268071 2004 RW_{69} 1 2.6 101°.39 0°.8/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 14.35	+19 43.1	1.996	2.844	12.1	21.0
12 13	7 7.89	+19 54.1	1.934	2.854	8.6	20.8
12 23	6 59.49	+20 9.3	1.898	2.863	4.6	20.6
1 2	6 49.99	+20 26.7	1.890	2.873	0.9	20.3
1 12	6 40.49	+20 44.4	1.912	2.882	4.0	20.6
1 22	6 32.04	+21 1.0	1.963	2.891	7.9	20.8
2 1	6 25.51	+21 16.1	2.040	2.900	11.3	21.1
2 11	6 21.47	+21 29.4	2.140	2.909	14.2	21.3

488810 2005 JP_{83} 1 2.6 209°.73 0°.3/ 2.5 18

12 3	7 16.31	+22 38.1	2.166	3.010	11.5	22.6
12 13	7 9.34	+22 58.9	2.085	3.003	8.1	22.4
12 23	7 0.32	+23 21.7	2.031	2.997	4.3	22.1
1 2	6 50.05	+23 43.8	2.006	2.989	0.3	21.8
1 12	6 39.58	+24 2.8	2.012	2.981	3.9	22.1
1 22	6 30.02	+24 17.6	2.048	2.973	7.8	22.3
2 1	6 22.32	+24 28.0	2.111	2.963	11.3	22.5
2 11	6 17.11	+24 35.0	2.196	2.954	14.3	22.7

456187 2006 HN_{77} 1 2.6 174°.79 2°.9/ 3.5 18

12 3	7 11.62	+12 25.5	2.367	3.197	11.1	21.5
12 13	7 5.79	+12 35.5	2.293	3.198	8.2	21.3
12 23	6 58.33	+12 54.6	2.245	3.198	5.1	21.1
1 2	6 49.93	+13 21.9	2.225	3.199	3.0	21.0
1 12	6 41.43	+13 56.0	2.237	3.199	4.3	21.1
1 22	6 33.69	+14 34.6	2.277	3.200	7.3	21.2
2 1	6 27.44	+15 15.7	2.345	3.200	10.3	21.4
2 11	6 23.23	+15 57.2	2.437	3.200	12.9	21.6

122656 2000 RV_{93} 1 2.6 68°.83 1°.5/ 2.9 18

12 3	7 14.88	+17 36.2	1.752	2.601	13.5	19.9
12 13	7 8.38	+17 56.3	1.700	2.619	9.6	19.7
12 23	6 59.76	+18 23.5	1.673	2.638	5.3	19.5
1 2	6 50.01	+18 55.1	1.674	2.656	1.5	19.2
1 12	6 40.33	+19 28.5	1.705	2.674	4.4	19.5
1 22	6 31.88	+20 1.2	1.763	2.693	8.5	19.8
2 1	6 25.57	+20 31.9	1.847	2.711	12.2	20.0
2 11	6 21.96	+20 59.8	1.953	2.729	15.2	20.3

197345 2003 XK_4 1 2.6 358°.56 0°.7/ 2.8 18

12 3	7 11.58	+19 3.3	1.687	2.545	13.4	19.4
12 13	7 6.36	+19 38.4	1.618	2.543	9.6	19.2
12 23	6 58.86	+20 21.0	1.574	2.541	5.2	18.9
1 2	6 49.96	+21 7.9	1.557	2.540	0.8	18.6
1 12	6 40.90	+21 55.2	1.569	2.540	4.4	18.9
1 22	6 32.90	+22 39.7	1.608	2.541	8.9	19.2
2 1	6 27.03	+23 19.6	1.672	2.542	12.9	19.4
2 11	6 23.97	+23 54.1	1.757	2.544	16.2	19.6

10619 Ninigi 1 2.6 268°.28 1°.5/ 2.2 18

12 3	7 17.13	+23 49.0	1.533	2.392	14.5	17.6
12 13	7 10.65	+24 40.2	1.460	2.386	10.3	17.4
12 23	7 1.31	+25 35.2	1.412	2.379	5.6	17.1
1 2	6 50.11	+26 28.6	1.390	2.372	1.5	16.8
1 12	6 38.58	+27 14.9	1.397	2.366	5.4	17.0
1 22	6 28.31	+27 51.0	1.431	2.359	10.2	17.3
2 1	6 20.64	+28 16.7	1.490	2.352	14.6	17.5
2 11	6 16.39	+28 33.6	1.568	2.345	18.2	17.8

310401 1999 CW_{79} 1 2.6 280°.94 2°.4/ 2.4 18

12 3	7 18.21	+29 53.3	1.851	2.701	12.8	19.7
12 13	7 11.12	+29 53.1	1.761	2.681	9.3	19.5
12 23	7 1.44	+29 47.1	1.697	2.660	5.4	19.2
1 2	6 50.12	+29 31.8	1.660	2.639	2.4	19.0
1 12	6 38.53	+29 5.5	1.653	2.619	5.1	19.1
1 22	6 28.09	+28 29.2	1.674	2.598	9.4	19.3
2 1	6 19.99	+27 46.1	1.721	2.577	13.3	19.5
2 11	6 15.00	+27 0.1	1.789	2.555	16.7	19.7

280196 2002 SG_{67} 1 2.6 201°.09 1°.8/ 2.9 18

12 3	7 12.72	+17 49.0	2.351	3.191	10.8	20.0
12 13	7 6.56	+17 30.4	2.276	3.190	7.8	19.8
12 23	6 58.74	+17 15.6	2.227	3.189	4.4	19.5
1 2	6 49.97	+17 4.4	2.208	3.187	1.8	19.4
1 12	6 41.16	+16 56.5	2.219	3.186	3.9	19.5
1 22	6 33.17	+16 51.6	2.259	3.184	7.2	19.7
2 1	6 26.77	+16 49.4	2.327	3.182	10.3	19.9
2 11	6 22.49	+16 49.6	2.418	3.180	13.0	20.1

27219 1999 EL 1 2.6 244°.60 6°.6/ 4.3 18

12 3	7 10.07	+ 0 2.2	2.654	3.434	11.5	17.7
12 13	7 4.60	− 0 26.1	2.569	3.422	9.5	17.5
12 23	6 57.70	− 0 39.9	2.508	3.410	7.7	17.4
1 2	6 49.92	− 0 37.3	2.474	3.398	6.7	17.3
1 12	6 41.99	− 0 17.9	2.469	3.386	7.1	17.3
1 22	6 34.65	+ 0 16.7	2.492	3.373	8.7	17.4
2 1	6 28.57	+ 1 3.9	2.541	3.360	10.8	17.5
2 11	6 24.25	+ 2 0.0	2.613	3.347	12.8	17.7

372695 2009 WR_{207} 1 2.6 80°.30 1°.1/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 14.92	+25 9.1	1.958	2.810	12.1	21.3
12 13	7 8.40	+25 30.6	1.897	2.819	8.5	21.1
12 23	6 59.81	+25 51.9	1.861	2.827	4.6	20.9
1 2	6 50.04	+26 9.9	1.854	2.836	1.1	20.7
1 12	6 40.27	+26 22.3	1.876	2.845	4.2	20.9
1 22	6 31.62	+26 28.4	1.928	2.854	8.1	21.2
2 1	6 25.03	+26 28.9	2.005	2.862	11.6	21.4
2 11	6 21.07	+26 25.4	2.104	2.871	14.5	21.6

52394 1993 RF_{6} 1 2.6 10°.59 11°.5/ 5.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.33	− 1 24.1	1.309	2.126	19.0	17.7
12 13	7 5.68	− 2 25.5	1.256	2.129	16.0	17.5
12 23	6 58.55	− 2 58.3	1.222	2.133	13.2	17.4
1 2	6 49.97	− 2 57.5	1.210	2.138	11.6	17.3
1 12	6 41.34	− 2 22.4	1.221	2.144	12.0	17.3
1 22	6 34.01	− 1 17.6	1.254	2.151	14.1	17.5
2 1	6 29.08	+ 0 9.1	1.309	2.159	17.0	17.7
2 11	6 27.21	+ 1 48.0	1.382	2.169	19.8	17.9

4887 Takihiroi 1 2.6 71°.98 0°.1/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.82	+22 41.2	2.042	2.893	11.8	18.1
12 13	7 7.57	+22 49.4	1.973	2.895	8.3	17.9
12 23	6 59.36	+22 59.1	1.931	2.897	4.4	17.6
1 2	6 50.02	+23 8.2	1.917	2.900	0.3	17.3
1 12	6 40.63	+23 15.2	1.932	2.902	3.9	17.6
1 22	6 32.24	+23 19.2	1.977	2.905	7.8	17.9
2 1	6 25.76	+23 20.5	2.047	2.907	11.3	18.1
2 11	6 21.75	+23 19.9	2.140	2.910	14.2	18.3

417146 2005 VX_{103} 1 2.6 226°.93 3°.5/ 1.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.38	+31 45.4	2.247	3.089	11.2	21.8
12 13	7 10.26	+32 34.7	2.166	3.079	8.2	21.6
12 23	7 0.90	+33 20.1	2.111	3.068	5.1	21.4
1 2	6 50.11	+33 56.4	2.086	3.057	3.5	21.3
1 12	6 39.06	+34 20.3	2.092	3.046	5.4	21.4
1 22	6 28.92	+34 30.6	2.126	3.034	8.6	21.5
2 1	6 20.76	+34 28.8	2.186	3.022	11.7	21.7
2 11	6 15.28	+34 17.9	2.269	3.009	14.4	21.9

51778 2001 MV_{8} 1 2.6 231°.78 2°.7/ 1.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.49	+27 24.0	1.984	2.832	12.2	19.1
12 13	7 10.55	+28 31.1	1.905	2.824	8.7	18.8
12 23	7 1.15	+29 38.7	1.851	2.814	5.0	18.6
1 2	6 50.14	+30 41.1	1.827	2.805	2.7	18.4
1 12	6 38.76	+31 33.2	1.833	2.795	5.3	18.6
1 22	6 28.32	+32 12.3	1.869	2.784	9.1	18.8
2 1	6 19.99	+32 38.4	1.930	2.773	12.6	19.0
2 11	6 14.56	+32 53.9	2.013	2.762	15.6	19.2

17469 1991 BT 1 2.6 285°.10 4°.2/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.30	+13 41.1	1.515	2.364	15.2	17.0
12 13	7 9.17	+13 14.5	1.440	2.355	11.4	16.8
12 23	7 0.44	+12 58.1	1.388	2.345	7.2	16.5
1 2	6 50.10	+12 52.9	1.362	2.336	4.3	16.3
1 12	6 39.51	+12 58.6	1.363	2.327	6.3	16.4
1 22	6 30.11	+13 13.7	1.391	2.318	10.6	16.6
2 1	6 23.08	+13 36.3	1.443	2.309	14.8	16.8
2 11	6 19.18	+14 3.8	1.514	2.300	18.4	17.1

313861 2004 FL_{112} 1 2.6 305°.46 1°.5/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.39	+19 20.8	1.588	2.445	14.2	20.8
12 13	7 8.56	+19 16.6	1.507	2.431	10.2	20.6
12 23	7 0.15	+19 17.7	1.450	2.416	5.7	20.3
1 2	6 50.09	+19 22.7	1.420	2.402	1.5	20.0
1 12	6 39.74	+19 30.1	1.417	2.388	5.0	20.2
1 22	6 30.49	+19 38.5	1.442	2.374	9.8	20.4
2 1	6 23.58	+19 47.6	1.490	2.360	14.2	20.6
2 11	6 19.76	+19 57.0	1.559	2.347	17.9	20.8

455269 2001 WB_{66} 1 2.6 100°.35 5°.5/ 3.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.09	+ 7 55.2	1.989	2.807	13.3	21.3
12 13	7 8.24	+ 7 18.2	1.936	2.827	10.3	21.1
12 23	6 59.61	+ 6 54.0	1.908	2.846	7.3	21.0
1 2	6 50.06	+ 6 44.0	1.908	2.865	5.5	20.9
1 12	6 40.62	+ 6 48.0	1.937	2.884	6.5	21.0
1 22	6 32.25	+ 7 4.5	1.994	2.902	9.1	21.2
2 1	6 25.75	+ 7 30.7	2.077	2.919	11.9	21.4
2 11	6 21.59	+ 8 3.5	2.182	2.937	14.4	21.6

43875 1994 WT_{3} 1 2.6 30°.59 4°.1/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.45	+16 53.1	0.968	1.845	19.4	17.3
12 13	7 10.06	+16 0.2	0.945	1.875	13.9	17.1
12 23	7 0.73	+15 19.2	0.942	1.907	8.1	16.9
1 2	6 50.11	+14 51.3	0.963	1.941	4.1	16.8
1 12	6 40.15	+14 36.4	1.008	1.976	6.9	17.1
1 22	6 32.43	+14 33.0	1.076	2.012	11.8	17.5
2 1	6 27.95	+14 38.8	1.165	2.050	16.2	17.9
2 11	6 27.05	+14 50.5	1.273	2.088	19.7	18.2

447024 2004 OY_{8} 1 2.6 107°.50 1°.2/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.18	+19 41.9	1.698	2.544	14.0	21.8
12 13	7 12.07	+19 38.7	1.649	2.567	9.9	21.6
12 23	7 1.71	+19 39.5	1.624	2.589	5.4	21.4
1 2	6 50.19	+19 42.4	1.628	2.611	1.3	21.1
1 12	6 38.89	+19 46.0	1.662	2.632	4.5	21.4
1 22	6 29.05	+19 49.6	1.725	2.652	8.9	21.7
2 1	6 21.63	+19 53.3	1.813	2.672	12.6	22.0
2 11	6 17.15	+19 57.2	1.923	2.690	15.7	22.2

42436 2204 $T\text{-}_{3}$ 1 2.6 245°.23 3°.2/ 3.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.01	+15 28.0	1.698	2.543	14.0	19.6
12 13	7 9.46	+15 5.9	1.621	2.536	10.3	19.3
12 23	7 0.53	+14 51.3	1.568	2.528	6.2	19.1
1 2	6 50.13	+14 44.5	1.543	2.520	3.2	18.9
1 12	6 39.54	+14 45.0	1.546	2.511	5.4	19.0
1 22	6 30.06	+14 51.9	1.576	2.502	9.6	19.2
2 1	6 22.76	+15 4.0	1.632	2.493	13.6	19.4
2 11	6 18.36	+15 20.0	1.709	2.484	17.0	19.6

90176 2003 AK_{24} 1 2.6 302°.11 1°.3/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.59	+20 37.7	2.133	2.980	11.5	18.9
12 13	7 7.46	+20 6.0	2.042	2.961	8.2	18.7
12 23	6 59.37	+19 35.2	1.978	2.943	4.6	18.4
1 2	6 50.07	+19 5.2	1.942	2.924	1.3	18.2
1 12	6 40.60	+18 36.2	1.937	2.905	4.1	18.3
1 22	6 31.99	+18 9.2	1.960	2.887	8.0	18.5
2 1	6 25.14	+17 45.0	2.010	2.869	11.5	18.7
2 11	6 20.68	+17 24.1	2.083	2.851	14.6	18.9

416563 2004 CH_{118} 1 2.6 285°.69 4°.6/ 4.1 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.41	+ 7 3.6	2.376	3.189	11.6	21.2
12 13	7 5.84	+ 7 12.3	2.274	3.163	9.0	21.0
12 23	6 58.52	+ 7 34.6	2.197	3.136	6.4	20.8
1 2	6 50.03	+ 8 10.8	2.149	3.109	4.6	20.6
1 12	6 41.21	+ 8 59.7	2.130	3.082	5.5	20.6
1 22	6 32.94	+ 9 58.6	2.141	3.055	8.2	20.7
2 1	6 26.07	+11 4.3	2.179	3.027	11.2	20.9
2 11	6 21.24	+12 13.3	2.240	2.999	14.0	21.0

349622 2008 UH_{141} 1 2.6 219°.43 3°.6/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.68	+29 45.0	1.640	2.494	14.0	20.7
12 13	7 12.43	+30 37.3	1.569	2.489	10.2	20.4
12 23	7 2.27	+31 26.5	1.522	2.484	6.1	20.2
1 2	6 50.25	+32 6.2	1.503	2.479	3.6	20.0
1 12	6 37.96	+32 31.5	1.513	2.473	6.2	20.1
1 22	6 27.01	+32 41.1	1.549	2.467	10.4	20.4
2 1	6 18.75	+32 37.2	1.610	2.461	14.4	20.6
2 11	6 13.96	+32 23.8	1.692	2.454	17.7	20.8

85946 1999 EJ_{8} 1 2.6 191°.64 1°.1/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.90	+19 9.8	1.981	2.827	12.3	20.4
12 13	7 8.41	+19 16.4	1.908	2.826	8.8	20.2
12 23	6 59.88	+19 27.7	1.861	2.825	4.8	19.9
1 2	6 50.12	+19 41.9	1.842	2.824	1.2	19.7
1 12	6 40.26	+19 57.4	1.853	2.823	4.1	19.9
1 22	6 31.38	+20 12.7	1.893	2.821	8.1	20.1
2 1	6 24.44	+20 27.2	1.960	2.819	11.8	20.3
2 11	6 20.04	+20 40.7	2.048	2.817	14.8	20.5

469193 2016 GV_{137} 1 2.6 261°.80 4°.3/ 3.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.50	+ 9 20.7	2.167	2.993	12.2	20.6
12 13	7 5.86	+ 9 13.7	2.091	2.989	9.3	20.4
12 23	6 58.47	+ 9 18.5	2.039	2.985	6.3	20.2
1 2	6 50.04	+ 9 35.2	2.016	2.981	4.4	20.1
1 12	6 41.48	+10 3.0	2.021	2.977	5.4	20.1
1 22	6 33.70	+10 39.6	2.055	2.973	8.3	20.3
2 1	6 27.53	+11 22.5	2.116	2.969	11.3	20.5
2 11	6 23.53	+12 8.8	2.199	2.964	14.0	20.7

286737 2002 GN_{130} 1 2.6 196°.68 0°.9/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.01	+24 43.2	1.963	2.810	12.3	21.6
12 13	7 10.70	+24 58.4	1.888	2.807	8.8	21.4
12 23	7 1.13	+25 13.4	1.838	2.804	4.7	21.2
1 2	6 50.20	+25 25.3	1.818	2.801	0.9	20.9
1 12	6 39.13	+25 31.9	1.828	2.797	4.3	21.1
1 22	6 29.16	+25 32.5	1.867	2.792	8.5	21.4
2 1	6 21.31	+25 28.2	1.933	2.787	12.1	21.6
2 11	6 16.25	+25 20.6	2.020	2.781	15.2	21.8

286643 2002 EE_{55} 1 2.6 231°.51 2°.6/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.32	+29 7.6	1.740	2.591	13.4	20.5
12 13	7 11.96	+29 24.6	1.664	2.584	9.7	20.3
12 23	7 1.93	+29 37.4	1.613	2.577	5.5	20.0
1 2	6 50.25	+29 41.7	1.590	2.569	2.6	19.8
1 12	6 38.41	+29 34.8	1.596	2.561	5.4	20.0
1 22	6 27.86	+29 17.1	1.629	2.552	9.6	20.2
2 1	6 19.83	+28 51.3	1.688	2.543	13.6	20.4
2 11	6 15.02	+28 21.0	1.768	2.534	16.9	20.7

4418 Fredfranklin 1 2.6 174°.90 6°.0/ 3.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 14.05	+ 5 26.5	2.166	2.973	12.8	17.6
12 13	7 7.57	+ 4 53.1	2.095	2.976	10.1	17.4
12 23	6 59.35	+ 4 33.2	2.049	2.977	7.5	17.3
1 2	6 50.11	+ 4 28.6	2.030	2.979	6.0	17.2
1 12	6 40.79	+ 4 39.3	2.041	2.980	6.8	17.2
1 22	6 32.34	+ 5 3.7	2.079	2.980	9.1	17.4
2 1	6 25.54	+ 5 39.0	2.144	2.980	11.8	17.5
2 11	6 20.96	+ 6 21.8	2.231	2.979	14.3	17.7

105245 2000 PO_{27} 1 2.6 219°.05 4°.5/ 1.9 18

12 3	7 19.75	+36 12.1	2.166	3.002	11.8	19.8
12 13	7 11.95	+36 34.3	2.090	2.995	8.9	19.6
12 23	7 1.80	+36 47.1	2.039	2.989	6.0	19.4
1 2	6 50.27	+36 45.8	2.017	2.981	4.5	19.3
1 12	6 38.65	+36 28.4	2.025	2.974	6.0	19.4
1 22	6 28.24	+35 56.0	2.061	2.966	9.0	19.5
2 1	6 20.09	+35 11.9	2.123	2.957	12.0	19.7
2 11	6 14.83	+34 21.0	2.208	2.948	14.7	19.9

159196 2005 UA_{217} 1 2.6 53°.02 2°.5/ 2.2 17

12 3	7 19.34	+26 12.0	1.177	2.047	17.1	20.2
12 13	7 12.42	+26 56.4	1.134	2.064	12.1	20.0
12 23	7 2.25	+27 39.8	1.114	2.082	6.6	19.7
1 2	6 50.29	+28 15.5	1.119	2.100	2.5	19.5
1 12	6 38.53	+28 38.9	1.150	2.118	6.3	19.8
1 22	6 28.79	+28 49.0	1.206	2.137	11.4	20.2
2 1	6 22.38	+28 48.4	1.284	2.156	15.9	20.5
2 11	6 19.87	+28 40.4	1.381	2.175	19.5	20.8

84582 2002 VL_{24} 1 2.6 52°.65 5°.2/ 3.4 18

12 3	7 11.71	+ 8 9.1	2.231	3.051	12.1	19.4
12 13	7 5.89	+ 7 24.8	2.162	3.053	9.3	19.2
12 23	6 58.45	+ 6 51.3	2.118	3.056	6.7	19.1
1 2	6 50.08	+ 6 30.3	2.102	3.058	5.2	19.0
1 12	6 41.68	+ 6 22.3	2.116	3.060	6.1	19.0
1 22	6 34.11	+ 6 26.7	2.157	3.063	8.6	19.2
2 1	6 28.11	+ 6 41.7	2.224	3.066	11.3	19.4
2 11	6 24.19	+ 7 4.5	2.313	3.068	13.7	19.5

286717 2002 GL_{87} 1 2.6 276°.20 1°.5/ 2.3 18

12 3	7 16.89	+24 30.2	1.572	2.431	14.2	20.1
12 13	7 10.49	+25 13.2	1.497	2.422	10.1	19.9
12 23	7 1.28	+25 58.9	1.447	2.414	5.5	19.6
1 2	6 50.26	+26 42.2	1.423	2.405	1.5	19.3
1 12	6 38.92	+27 18.3	1.428	2.396	5.3	19.5
1 22	6 28.79	+27 44.7	1.460	2.388	10.1	19.8
2 1	6 21.20	+28 1.6	1.516	2.379	14.4	20.0
2 11	6 16.97	+28 10.9	1.593	2.371	18.0	20.2

168400 1998 EC_{5} 1 2.6 151°.40 2°.4/ 2.2 18

12 3	7 14.60	+30 51.7	2.478	3.321	10.2	20.3
12 13	7 7.96	+31 4.8	2.409	3.324	7.4	20.2
12 23	6 59.55	+31 13.3	2.366	3.326	4.3	20.0
1 2	6 50.15	+31 14.3	2.352	3.328	2.4	19.8
1 12	6 40.75	+31 6.6	2.369	3.331	4.2	20.0
1 22	6 32.28	+30 50.4	2.416	3.333	7.2	20.2
2 1	6 25.55	+30 27.5	2.490	3.335	10.1	20.3
2 11	6 21.08	+30 0.2	2.587	3.336	12.5	20.5

423395 2005 KL_{3} 1 2.6 293°.81 3°.3/ 1.6 18

12 3	7 14.41	+31 7.9	2.226	3.073	11.1	21.1
12 13	7 8.15	+31 58.4	2.154	3.070	8.0	20.9
12 23	6 59.81	+32 45.4	2.108	3.066	5.0	20.7
1 2	6 50.18	+33 24.1	2.091	3.063	3.3	20.6
1 12	6 40.37	+33 51.4	2.103	3.059	5.2	20.7
1 22	6 31.49	+34 6.2	2.145	3.056	8.3	20.9
2 1	6 24.51	+34 9.4	2.212	3.053	11.3	21.0
2 11	6 20.07	+34 3.6	2.301	3.050	13.9	21.2

225183 2008 HO_{46} 1 2.6 102°.03 3°.7/ 3.4 18

12 3	7 14.27	+12 10.8	2.045	2.876	12.5	21.4
12 13	7 7.73	+11 55.2	1.987	2.892	9.3	21.2
12 23	6 59.42	+11 49.2	1.955	2.907	6.0	21.0
1 2	6 50.15	+11 52.7	1.951	2.922	3.7	20.9
1 12	6 40.94	+12 5.0	1.977	2.937	5.1	21.0
1 22	6 32.75	+12 24.3	2.031	2.951	8.2	21.3
2 1	6 26.37	+12 48.9	2.112	2.965	11.3	21.5
2 11	6 22.30	+13 16.7	2.215	2.979	14.0	21.7

433702 2014 WE_{468} 1 2.6 1°.07 0°.5/ 2.5 18

12 3	7 11.66	+23 27.4	1.584	2.450	13.7	20.3
12 13	7 6.57	+23 40.5	1.519	2.448	9.7	20.1
12 23	6 59.07	+23 55.5	1.479	2.447	5.2	19.8
1 2	6 50.15	+24 9.6	1.464	2.447	0.6	19.5
1 12	6 41.14	+24 20.4	1.477	2.448	4.7	19.8
1 22	6 33.36	+24 26.9	1.517	2.451	9.2	20.1
2 1	6 27.88	+24 29.2	1.581	2.454	13.3	20.3
2 11	6 25.36	+24 28.3	1.665	2.458	16.7	20.6

200476 2000 YJ_{1} 1 2.6 103°.15 18°.0/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 44.70	+58 28.9	1.160	1.948	22.7	19.7
12 13	7 33.26	+60 7.9	1.121	1.954	20.4	19.5
12 23	7 14.33	+61 6.8	1.099	1.960	18.7	19.4
1 2	6 51.05	+61 6.4	1.096	1.965	18.0	19.4
1 12	6 28.67	+60 0.4	1.112	1.971	18.6	19.5
1 22	6 11.67	+57 59.5	1.147	1.976	20.3	19.6
2 1	6 2.09	+55 23.4	1.200	1.982	22.4	19.8
2 11	5 59.75	+52 32.0	1.269	1.987	24.6	20.0

417181 2005 WC_{138} 1 2.6 64°.50 1°.7/ 2.3 18

12 3	7 15.75	+25 55.9	1.781	2.637	13.0	21.2
12 13	7 9.23	+26 29.4	1.722	2.645	9.2	21.0
12 23	7 0.40	+27 2.5	1.688	2.654	5.0	20.8
1 2	6 50.24	+27 31.0	1.682	2.663	1.7	20.6
1 12	6 40.06	+27 51.9	1.705	2.672	4.7	20.8
1 22	6 31.12	+28 4.1	1.756	2.682	8.8	21.1
2 1	6 24.45	+28 8.4	1.832	2.691	12.5	21.3
2 11	6 20.65	+28 6.8	1.929	2.700	15.5	21.5

118065 4302 $T\text{-}_{2}$ 1 2.6 23°.33 1°.3/ 2.4 18

12 3	7 15.31	+24 7.4	1.160	2.036	16.9	18.9
12 13	7 9.69	+24 38.2	1.110	2.043	12.0	18.6
12 23	7 0.90	+25 11.3	1.083	2.052	6.4	18.3
1 2	6 50.28	+25 41.5	1.080	2.062	1.3	18.0
1 12	6 39.70	+26 4.2	1.102	2.073	5.8	18.4
1 22	6 30.94	+26 18.0	1.149	2.085	11.2	18.7
2 1	6 25.32	+26 23.8	1.218	2.098	15.9	19.0
2 11	6 23.48	+26 23.4	1.306	2.112	19.7	19.3

61531 2000 QR_{62} 1 2.6 290°.08 4°.9/ 1.6 18

12 3	7 17.59	+34 20.1	1.822	2.670	13.1	19.1
12 13	7 10.87	+35 5.8	1.748	2.661	9.8	18.9
12 23	7 1.44	+35 44.2	1.698	2.652	6.5	18.7
1 2	6 50.33	+36 9.3	1.676	2.643	4.9	18.5
1 12	6 38.98	+36 17.2	1.682	2.634	6.7	18.6
1 22	6 28.88	+36 7.6	1.716	2.625	10.2	18.8
2 1	6 21.26	+35 43.7	1.773	2.616	13.6	19.0
2 11	6 16.89	+35 10.0	1.852	2.608	16.6	19.2

75766 2000 AG_{185} 1 2.6 283°.40 6°.3/ 4.3 18

12 3	7 13.40	+ 5 43.8	1.714	2.537	15.0	19.4
12 13	7 7.69	+ 5 42.0	1.633	2.524	11.8	19.2
12 23	6 59.69	+ 5 58.9	1.574	2.512	8.5	19.0
1 2	6 50.23	+ 6 35.7	1.542	2.500	6.4	18.8
1 12	6 40.46	+ 7 30.8	1.537	2.488	7.3	18.8
1 22	6 31.60	+ 8 40.2	1.559	2.476	10.4	19.0
2 1	6 24.74	+ 9 58.9	1.606	2.464	14.0	19.2
2 11	6 20.62	+11 21.3	1.675	2.452	17.2	19.4

201181 2002 PT_{26} 1 2.6 74°.40 2°.2/ 2.4 18

12 3	7 16.49	+29 57.5	2.074	2.922	11.7	20.0
12 13	7 9.44	+29 58.4	2.014	2.932	8.4	19.8
12 23	7 0.39	+29 54.1	1.979	2.942	4.8	19.6
1 2	6 50.26	+29 42.1	1.974	2.952	2.2	19.5
1 12	6 40.24	+29 21.4	1.998	2.963	4.5	19.7
1 22	6 31.43	+28 53.1	2.051	2.973	8.0	19.9
2 1	6 24.70	+28 19.7	2.130	2.983	11.2	20.1
2 11	6 20.57	+27 43.8	2.232	2.993	14.0	20.3

523417 2017 DW_{122} 1 2.6 115°.49 0°.6/ 2.5 18

12 3	7 18.03	+22 10.3	1.698	2.550	13.7	21.0
12 13	7 10.89	+22 53.0	1.640	2.561	9.7	20.7
12 23	7 1.31	+23 39.4	1.606	2.573	5.1	20.5
1 2	6 50.32	+24 24.7	1.601	2.584	0.6	20.2
1 12	6 39.29	+25 5.0	1.625	2.595	4.6	20.5
1 22	6 29.55	+25 38.1	1.678	2.605	9.0	20.8
2 1	6 22.19	+26 3.5	1.756	2.615	12.9	21.1
2 11	6 17.84	+26 22.4	1.856	2.625	16.1	21.3

409980 2006 VV_{98} 1 2.6 98°.47 6°.2/ 1.1 17

12 3	7 20.32	+37 1.2	1.773	2.615	13.6	21.5
12 13	7 12.81	+38 13.1	1.718	2.624	10.4	21.3
12 23	7 2.46	+39 14.7	1.688	2.633	7.4	21.2
1 2	6 50.40	+39 58.5	1.685	2.641	6.2	21.1
1 12	6 38.25	+40 20.1	1.710	2.649	7.9	21.2
1 22	6 27.60	+40 19.6	1.762	2.657	10.8	21.4
2 1	6 19.71	+40 0.9	1.838	2.665	13.9	21.6
2 11	6 15.28	+39 29.9	1.933	2.673	16.5	21.9

167656 2004 EC_{7} 1 2.6 20°.49 6°.1/ 1.7 18

12 3	7 15.94	+37 12.6	1.601	2.455	14.3	19.1
12 13	7 9.74	+37 56.6	1.552	2.465	10.8	18.9
12 23	7 0.78	+38 28.7	1.527	2.476	7.6	18.7
1 2	6 50.29	+38 42.6	1.528	2.489	6.1	18.7
1 12	6 39.92	+38 35.7	1.555	2.502	7.7	18.8
1 22	6 31.18	+38 9.5	1.608	2.516	10.8	19.0
2 1	6 25.23	+37 28.6	1.684	2.531	14.0	19.2
2 11	6 22.64	+36 38.8	1.781	2.547	16.8	19.5

455898 2005 UW_{176} 1 2.6 344°.50 1°.4/ 2.8 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 14.01	+19 55.3	1.645	2.502	13.8	21.3
12 13	7 8.14	+19 43.3	1.574	2.497	9.9	21.0
12 23	6 59.90	+19 35.4	1.528	2.494	5.4	20.7
1 2	6 50.25	+19 30.5	1.508	2.490	1.4	20.5
1 12	6 40.49	+19 27.5	1.517	2.487	4.7	20.7
1 22	6 31.91	+19 25.9	1.553	2.485	9.2	20.9
2 1	6 25.57	+19 25.7	1.613	2.482	13.3	21.2
2 11	6 22.15	+19 26.7	1.695	2.481	16.7	21.4

89604 2001 XM_{170} 1 2.6 79°.60 1°.4/ 2.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.90	+18 38.4	1.421	2.276	15.7	19.9
12 13	7 11.57	+18 51.7	1.375	2.297	11.1	19.7
12 23	7 1.65	+19 12.0	1.352	2.318	6.1	19.5
1 2	6 50.35	+19 36.2	1.357	2.339	1.5	19.2
1 12	6 39.24	+20 1.4	1.389	2.359	5.0	19.5
1 22	6 29.75	+20 25.4	1.448	2.380	9.8	19.8
2 1	6 22.96	+20 47.3	1.532	2.400	14.0	20.1
2 11	6 19.44	+21 6.9	1.636	2.419	17.3	20.4

406086 2006 UA_{182} 1 2.6 24°.62 5°.8/31.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.10	+31 41.9	1.361	2.227	15.6	20.1
12 13	7 11.03	+33 23.9	1.311	2.234	11.5	19.8
12 23	7 1.72	+35 1.4	1.284	2.243	7.5	19.6
1 2	6 50.37	+36 23.8	1.284	2.252	5.8	19.6
1 12	6 38.84	+37 23.6	1.310	2.262	8.2	19.7
1 22	6 28.96	+37 58.5	1.361	2.272	12.1	20.0
2 1	6 22.19	+38 11.4	1.434	2.284	15.8	20.2
2 11	6 19.32	+38 7.7	1.526	2.295	19.0	20.5

503833 2017 KT_{27} 1 2.6 185°.49 0°.8/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.64	+18 3.1	2.362	3.199	10.9	21.6
12 13	7 8.07	+18 39.7	2.285	3.199	7.8	21.4
12 23	6 59.71	+19 22.2	2.235	3.199	4.2	21.2
1 2	6 50.25	+20 8.1	2.215	3.198	0.9	20.9
1 12	6 40.64	+20 54.5	2.227	3.196	3.6	21.1
1 22	6 31.80	+21 39.1	2.269	3.194	7.1	21.3
2 1	6 24.56	+22 20.2	2.339	3.192	10.4	21.5
2 11	6 19.51	+22 57.2	2.433	3.189	13.1	21.7

345530 2006 OC_{6} 1 2.6 194°.77 3°.0/ 3.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.72	+ 9 29.7	3.239	4.049	8.9	22.3
12 13	7 4.90	+ 9 38.8	3.155	4.046	6.7	22.1
12 23	6 57.88	+ 9 56.1	3.099	4.042	4.5	22.0
1 2	6 50.15	+10 21.3	3.073	4.038	3.1	21.9
1 12	6 42.31	+10 53.3	3.078	4.033	3.8	21.9
1 22	6 34.99	+11 30.6	3.115	4.027	5.9	22.1
2 1	6 28.73	+12 11.4	3.180	4.022	8.2	22.2
2 11	6 23.98	+12 54.0	3.271	4.015	10.3	22.3

96940 1999 TX_{149} 1 2.6 87°.57 0°.3/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.36	+20 55.1	1.984	2.833	12.1	19.6
12 13	7 8.02	+21 13.3	1.921	2.842	8.6	19.4
12 23	6 59.70	+21 35.0	1.885	2.851	4.6	19.1
1 2	6 50.26	+21 57.7	1.877	2.860	0.5	18.8
1 12	6 40.80	+22 19.1	1.899	2.869	3.9	19.1
1 22	6 32.38	+22 37.9	1.949	2.878	7.9	19.4
2 1	6 25.90	+22 53.6	2.026	2.887	11.4	19.6
2 11	6 21.93	+23 6.5	2.126	2.896	14.3	19.9

318762 2005 SZ_{48} 1 2.6 140°.75 1°.4/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.78	+18 32.3	1.947	2.793	12.5	21.0
12 13	7 8.35	+18 33.9	1.879	2.796	8.9	20.8
12 23	6 59.90	+18 40.5	1.836	2.800	4.9	20.6
1 2	6 50.28	+18 50.8	1.821	2.803	1.5	20.3
1 12	6 40.59	+19 3.2	1.837	2.806	4.2	20.5
1 22	6 31.94	+19 16.5	1.881	2.809	8.2	20.8
2 1	6 25.24	+19 29.9	1.951	2.812	11.7	21.0
2 11	6 21.07	+19 43.0	2.043	2.814	14.8	21.2

81907 2000 NR_{2} 1 2.6 184°.71 7°.4/ 4.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.89	− 3 31.6	2.873	3.629	11.3	19.6
12 13	7 5.09	− 4 27.0	2.801	3.628	9.6	19.5
12 23	6 58.01	− 5 7.7	2.754	3.628	8.2	19.4
1 2	6 50.16	− 5 31.2	2.733	3.627	7.4	19.3
1 12	6 42.25	− 5 36.4	2.740	3.626	7.8	19.3
1 22	6 34.94	− 5 24.3	2.775	3.625	9.0	19.4
2 1	6 28.83	− 4 57.1	2.834	3.623	10.6	19.5
2 11	6 24.36	− 4 18.3	2.916	3.621	12.2	19.7

366966 2005 WJ_{81} 1 2.6 52°.79 0°.5/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.05	+21 36.1	1.783	2.637	13.1	20.8
12 13	7 8.66	+21 32.8	1.720	2.643	9.3	20.6
12 23	7 0.10	+21 32.0	1.682	2.649	5.0	20.4
1 2	6 50.30	+21 31.8	1.673	2.656	0.6	20.1
1 12	6 40.52	+21 31.0	1.692	2.662	4.3	20.3
1 22	6 31.92	+21 29.1	1.739	2.669	8.5	20.6
2 1	6 25.49	+21 26.4	1.811	2.676	12.3	20.9
2 11	6 21.79	+21 23.5	1.906	2.683	15.4	21.1

330125 2005 YP_{48} 1 2.6 10°.55 0°.5/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 13.66	+20 14.3	1.777	2.632	13.0	20.8
12 13	7 7.79	+20 36.7	1.710	2.633	9.3	20.6
12 23	6 59.70	+21 4.1	1.667	2.634	5.0	20.3
1 2	6 50.28	+21 34.0	1.652	2.635	0.6	20.0
1 12	6 40.75	+22 3.3	1.666	2.637	4.3	20.3
1 22	6 32.29	+22 30.1	1.707	2.638	8.6	20.6
2 1	6 25.93	+22 53.4	1.775	2.641	12.5	20.8
2 11	6 22.32	+23 13.1	1.863	2.643	15.7	21.0

236962 2007 UD_{99} 1 2.6 121°.09 0°.2/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.74	+23 0.8	2.512	3.356	10.1	21.1
12 13	7 6.59	+23 12.3	2.445	3.364	7.1	20.9
12 23	6 58.85	+23 24.9	2.406	3.372	3.7	20.7
1 2	6 50.23	+23 36.5	2.396	3.379	0.3	20.4
1 12	6 41.60	+23 45.9	2.417	3.386	3.3	20.7
1 22	6 33.79	+23 52.3	2.468	3.393	6.6	20.9
2 1	6 27.52	+23 55.9	2.546	3.400	9.6	21.1
2 11	6 23.29	+23 57.1	2.648	3.407	12.0	21.3

205349 2000 WN_{66} 1 2.7 79°.45 1°.4/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 21.59	+20 14.2	1.545	2.394	15.0	19.7
12 13	7 13.10	+19 53.9	1.506	2.426	10.6	19.5
12 23	7 2.31	+19 37.1	1.492	2.457	5.7	19.3
1 2	6 50.44	+19 22.6	1.506	2.488	1.5	19.1
1 12	6 38.99	+19 10.0	1.549	2.519	4.8	19.4
1 22	6 29.25	+18 59.3	1.620	2.548	9.2	19.7
2 1	6 22.15	+18 50.9	1.717	2.578	13.1	20.0
2 11	6 18.14	+18 45.2	1.834	2.606	16.2	20.3

139507 2001 PL_{41} 1 2.7 10°.38 3°.8/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.35	+19 17.8	1.085	1.963	17.7	17.7
12 13	7 8.21	+17 55.4	1.036	1.967	12.8	17.4
12 23	7 0.08	+16 36.9	1.007	1.974	7.5	17.1
1 2	6 50.32	+15 25.9	1.003	1.982	3.8	16.9
1 12	6 40.75	+14 26.4	1.023	1.992	6.8	17.2
1 22	6 33.01	+13 40.9	1.068	2.004	11.9	17.5
2 1	6 28.28	+13 9.7	1.133	2.018	16.5	17.8
2 11	6 27.11	+12 51.1	1.217	2.033	20.3	18.1

495270 2013 QN_{34} 1 2.7 41°.46 9°.2/ 6.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.44	− 4 3.6	1.819	2.599	15.9	20.6
12 13	7 5.90	− 4 13.0	1.771	2.619	13.4	20.5
12 23	6 58.55	− 3 57.2	1.744	2.639	10.9	20.4
1 2	6 50.23	− 3 14.5	1.742	2.660	9.4	20.4
1 12	6 41.98	− 2 7.2	1.766	2.681	9.5	20.4
1 22	6 34.79	− 0 40.3	1.815	2.702	11.0	20.5
2 1	6 29.45	+ 0 59.5	1.890	2.724	13.3	20.7
2 11	6 26.47	+ 2 45.0	1.986	2.747	15.5	20.9

460463 2014 SJ_{258} 1 2.7 46°.63 3°.2/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.14	+14 25.8	1.565	2.416	14.7	20.8
12 13	7 8.11	+14 25.8	1.513	2.430	10.7	20.6
12 23	6 59.84	+14 36.4	1.484	2.444	6.4	20.4
1 2	6 50.31	+14 56.7	1.482	2.459	3.2	20.2
1 12	6 40.85	+15 24.3	1.508	2.475	5.3	20.4
1 22	6 32.69	+15 56.6	1.560	2.491	9.3	20.7
2 1	6 26.81	+16 31.2	1.638	2.507	13.2	20.9
2 11	6 23.76	+17 5.8	1.736	2.523	16.4	21.2

433647 2014 AL_{37} 1 2.7 75°.55 1°.1/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.52	+22 38.3	2.285	3.128	11.0	20.4
12 13	7 8.73	+23 56.8	2.229	3.147	7.7	20.2
12 23	7 0.09	+25 18.2	2.201	3.166	4.1	20.0
1 2	6 50.35	+26 37.4	2.203	3.185	1.1	19.8
1 12	6 40.52	+27 49.9	2.237	3.204	3.9	20.0
1 22	6 31.59	+28 52.9	2.302	3.222	7.4	20.3
2 1	6 24.41	+29 45.1	2.395	3.241	10.4	20.5
2 11	6 19.55	+30 27.4	2.511	3.259	12.9	20.7

355280 2007 RQ_{41} 1 2.7 100°.11 1°.8/ 2.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.67	+26 40.7	1.715	2.565	13.7	21.2
12 13	7 12.63	+27 7.6	1.667	2.588	9.7	21.0
12 23	7 2.18	+27 32.1	1.644	2.610	5.3	20.8
1 2	6 50.48	+27 50.1	1.650	2.631	1.8	20.6
1 12	6 38.95	+27 59.1	1.685	2.652	4.9	20.9
1 22	6 28.95	+27 59.1	1.749	2.673	9.0	21.2
2 1	6 21.48	+27 51.8	1.838	2.692	12.7	21.4
2 11	6 17.08	+27 40.1	1.948	2.712	15.6	21.7

283436 2000 UY_{105} 1 2.7 51°.63 0°.7/ 2.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.28	+18 47.2	1.260	2.125	16.7	19.8
12 13	7 10.75	+19 28.5	1.217	2.144	11.8	19.6
12 23	7 1.37	+20 18.4	1.197	2.164	6.3	19.4
1 2	6 50.43	+21 12.0	1.202	2.185	0.9	19.0
1 12	6 39.63	+22 3.7	1.234	2.206	5.2	19.4
1 22	6 30.55	+22 50.0	1.292	2.227	10.4	19.8
2 1	6 24.37	+23 29.3	1.373	2.248	14.8	20.1
2 11	6 21.69	+24 1.4	1.475	2.270	18.4	20.4

202682 2006 UP_{139} 1 2.7 182°.82 0°.1/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 16.05	+21 43.6	2.052	2.898	11.9	21.0
12 13	7 9.27	+22 1.4	1.980	2.899	8.4	20.8
12 23	7 0.44	+22 21.9	1.933	2.899	4.5	20.5
1 2	6 50.38	+22 42.6	1.915	2.899	0.3	20.2
1 12	6 40.20	+23 1.2	1.928	2.898	3.9	20.5
1 22	6 31.01	+23 16.5	1.970	2.897	7.9	20.7
2 1	6 23.74	+23 28.2	2.039	2.895	11.5	21.0
2 11	6 19.02	+23 37.0	2.130	2.893	14.5	21.2

133738 2003 VG_{5} 1 2.7 81°.87 1°.9/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.46	+25 43.5	2.057	2.906	11.7	19.2
12 13	7 8.87	+26 41.8	1.999	2.920	8.3	19.0
12 23	7 0.22	+27 40.3	1.968	2.933	4.6	18.8
1 2	6 50.37	+28 34.4	1.967	2.947	1.9	18.6
1 12	6 40.45	+29 20.1	1.995	2.960	4.5	18.8
1 22	6 31.58	+29 55.6	2.053	2.973	8.1	19.1
2 1	6 24.69	+30 20.9	2.137	2.987	11.3	19.3
2 11	6 20.38	+30 37.6	2.243	3.000	14.0	19.5

54730 2001 KR_{13} 1 2.7 165°.19 3°.3/ 3.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.63	+14 23.5	2.209	3.038	11.8	19.0
12 13	7 9.40	+13 44.7	2.138	3.043	8.7	18.8
12 23	7 0.39	+13 11.7	2.093	3.047	5.5	18.6
1 2	6 50.38	+12 45.5	2.079	3.051	3.3	18.4
1 12	6 40.38	+12 26.5	2.095	3.055	4.8	18.5
1 22	6 31.33	+12 14.8	2.140	3.057	8.0	18.7
2 1	6 24.03	+12 9.7	2.213	3.060	11.1	18.9
2 11	6 19.02	+12 10.4	2.309	3.061	13.8	19.1

194078 2001 SW_{150} 1 2.7 25°.95 5°.1/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.32	+33 1.7	1.283	2.146	16.5	19.7
12 13	7 13.35	+33 35.4	1.227	2.149	12.1	19.4
12 23	7 2.95	+33 59.8	1.193	2.153	7.6	19.2
1 2	6 50.54	+34 7.7	1.184	2.157	5.1	19.1
1 12	6 38.16	+33 55.7	1.201	2.161	7.5	19.2
1 22	6 27.73	+33 25.4	1.243	2.166	11.9	19.5
2 1	6 20.69	+32 42.2	1.308	2.171	16.2	19.7
2 11	6 17.71	+31 52.6	1.391	2.177	19.8	20.0

88349 2001 OU_{76} 1 2.7 0°.78 2°.2/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.56	+23 3.0	1.276	2.150	15.9	18.1
12 13	7 8.57	+24 30.7	1.215	2.147	11.3	17.8
12 23	7 0.50	+26 6.3	1.177	2.146	6.1	17.5
1 2	6 50.40	+27 41.1	1.164	2.145	2.2	17.2
1 12	6 39.97	+29 6.4	1.178	2.146	6.2	17.5
1 22	6 30.96	+30 16.3	1.217	2.149	11.3	17.8
2 1	6 24.83	+31 9.2	1.280	2.152	15.9	18.1
2 11	6 22.44	+31 46.5	1.361	2.156	19.6	18.3

235037 2003 FD_{36} 1 2.7 263°.17 2°.0/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.85	+17 48.6	1.535	2.389	14.8	21.0
12 13	7 10.43	+17 46.4	1.458	2.378	10.8	20.8
12 23	7 1.30	+17 51.4	1.404	2.368	6.1	20.5
1 2	6 50.45	+18 2.3	1.376	2.357	2.1	20.2
1 12	6 39.31	+18 17.2	1.377	2.346	5.2	20.4
1 22	6 29.35	+18 34.3	1.405	2.336	10.1	20.6
2 1	6 21.83	+18 52.6	1.457	2.325	14.6	20.9
2 11	6 17.55	+19 11.3	1.529	2.313	18.3	21.1

133306 2003 SB_{49} 1 2.7 74°.12 1°.9/ 2.4 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.81	+28 41.8	1.997	2.846	12.1	19.3
12 13	7 9.72	+28 43.1	1.941	2.860	8.6	19.1
12 23	7 0.60	+28 40.2	1.910	2.874	4.8	18.9
1 2	6 50.40	+28 30.5	1.908	2.888	1.9	18.7
1 12	6 40.33	+28 13.1	1.936	2.902	4.4	18.9
1 22	6 31.52	+27 49.0	1.992	2.916	8.1	19.2
2 1	6 24.84	+27 20.3	2.075	2.930	11.4	19.4
2 11	6 20.80	+26 49.5	2.180	2.944	14.2	19.6

310366 2011 UQ_{335} 1 2.7 165°.28 1°.4/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.25	+18 40.3	1.918	2.759	12.8	21.9
12 13	7 10.84	+18 42.9	1.849	2.765	9.2	21.7
12 23	7 1.27	+18 50.3	1.807	2.770	5.1	21.4
1 2	6 50.46	+19 0.9	1.793	2.774	1.4	21.2
1 12	6 39.58	+19 12.9	1.809	2.778	4.3	21.4
1 22	6 29.82	+19 25.2	1.854	2.781	8.4	21.6
2 1	6 22.14	+19 37.4	1.926	2.783	12.1	21.9
2 11	6 17.15	+19 49.2	2.021	2.784	15.1	22.1

58166 1990 OF_{3} 1 2.7 105°.69 0°.6/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.26	+25 19.6	2.669	3.509	9.7	19.7
12 13	7 8.17	+25 14.4	2.614	3.530	6.8	19.5
12 23	6 59.62	+25 7.7	2.587	3.552	3.6	19.4
1 2	6 50.35	+24 58.3	2.590	3.573	0.6	19.1
1 12	6 41.21	+24 45.5	2.625	3.593	3.2	19.4
1 22	6 32.99	+24 29.8	2.690	3.613	6.3	19.6
2 1	6 26.35	+24 12.0	2.784	3.633	9.0	19.8
2 11	6 21.71	+23 53.4	2.901	3.652	11.3	20.0

100503 1996 XD_{25} 1 2.7 232°.50 1°.1/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 17.51	+24 37.1	1.896	2.745	12.6	20.6
12 13	7 10.61	+25 3.8	1.815	2.736	9.0	20.4
12 23	7 1.30	+25 31.4	1.759	2.725	4.8	20.1
1 2	6 50.47	+25 56.4	1.733	2.715	1.1	19.8
1 12	6 39.37	+26 15.7	1.735	2.704	4.5	20.1
1 22	6 29.30	+26 27.8	1.767	2.692	8.8	20.3
2 1	6 21.38	+26 33.4	1.825	2.681	12.7	20.5
2 11	6 16.33	+26 34.0	1.904	2.668	15.9	20.7

292000 2006 QF_{117} 1 2.7 83°.24 8°.1/ 5.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.79	+ 0 50.6	1.727	2.527	15.8	21.1
12 13	7 8.35	+ 0 31.0	1.677	2.546	12.8	20.9
12 23	6 59.90	+ 0 33.3	1.649	2.565	10.0	20.8
1 2	6 50.38	+ 0 59.1	1.646	2.584	8.2	20.7
1 12	6 40.93	+ 1 46.7	1.670	2.602	8.6	20.8
1 22	6 32.64	+ 2 51.8	1.721	2.621	10.8	21.0
2 1	6 26.40	+ 4 8.7	1.797	2.639	13.5	21.2
2 11	6 22.74	+ 5 31.0	1.894	2.657	16.1	21.4

345900 2007 RM_{100} 1 2.7 112°.54 4°.1/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.86	+ 8 54.3	2.352	3.172	11.5	20.9
12 13	7 5.99	+ 8 55.2	2.287	3.182	8.7	20.7
12 23	6 58.58	+ 9 7.4	2.247	3.191	5.9	20.5
1 2	6 50.30	+ 9 30.8	2.236	3.200	4.1	20.4
1 12	6 41.98	+10 3.8	2.255	3.210	5.0	20.5
1 22	6 34.46	+10 44.4	2.303	3.219	7.6	20.7
2 1	6 28.43	+11 29.9	2.377	3.227	10.3	20.9
2 11	6 24.39	+12 17.6	2.476	3.236	12.8	21.1

128895 Bright Spring 1 2.7 169°.18 1°.4/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.71	+25 45.7	1.857	2.704	12.9	21.1
12 13	7 12.05	+26 8.3	1.789	2.708	9.2	20.8
12 23	7 1.99	+26 30.0	1.746	2.712	5.0	20.6
1 2	6 50.52	+26 47.0	1.733	2.715	1.4	20.4
1 12	6 38.98	+26 56.7	1.749	2.717	4.6	20.6
1 22	6 28.67	+26 58.5	1.794	2.718	8.8	20.8
2 1	6 20.66	+26 53.9	1.866	2.719	12.5	21.1
2 11	6 15.61	+26 44.9	1.959	2.720	15.7	21.3

502179 2015 BU_{63} 1 2.7 8°.80 0°.5/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.05	+22 22.5	2.110	2.960	11.5	20.9
12 13	7 7.18	+23 0.9	2.039	2.960	8.1	20.7
12 23	6 59.36	+23 42.5	1.994	2.961	4.3	20.4
1 2	6 50.36	+24 24.0	1.978	2.961	0.5	20.1
1 12	6 41.21	+25 2.2	1.993	2.962	3.9	20.4
1 22	6 32.96	+25 35.2	2.036	2.963	7.7	20.7
2 1	6 26.51	+26 2.1	2.106	2.964	11.1	20.9
2 11	6 22.46	+26 23.3	2.198	2.965	14.0	21.1

291518 2006 DW_{213} 1 2.7 12°.43 4°.8/ 2.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 25.31	+20 5.9	1.064	1.928	19.1	19.4
12 13	7 16.84	+17 58.1	1.003	1.928	14.0	19.1
12 23	7 4.78	+15 47.0	0.965	1.929	8.3	18.8
1 2	6 50.70	+13 39.5	0.953	1.929	4.8	18.6
1 12	6 36.81	+11 44.7	0.967	1.931	8.2	18.8
1 22	6 25.15	+10 10.2	1.007	1.932	13.8	19.1
2 1	6 17.13	+ 8 59.5	1.068	1.934	18.8	19.4
2 11	6 13.39	+ 8 11.3	1.146	1.936	22.9	19.7

455328 2002 OV_{32} 1 2.7 134°.57 4°.4/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.94	+ 7 5.8	2.688	3.495	10.6	21.9
12 13	7 5.86	+ 6 49.7	2.624	3.507	8.2	21.8
12 23	6 58.45	+ 6 44.1	2.586	3.520	5.9	21.7
1 2	6 50.30	+ 6 49.6	2.577	3.531	4.5	21.6
1 12	6 42.15	+ 7 5.5	2.598	3.543	5.1	21.6
1 22	6 34.71	+ 7 30.4	2.648	3.554	7.2	21.8
2 1	6 28.60	+ 8 2.3	2.726	3.564	9.5	22.0
2 11	6 24.26	+ 8 38.7	2.828	3.574	11.7	22.1

384031 2008 UC_{142} 1 2.7 304°.53 4°.0/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.23	+11 55.9	2.106	2.939	12.2	20.8
12 13	7 6.48	+11 25.9	2.030	2.935	9.1	20.6
12 23	6 58.94	+11 4.7	1.980	2.930	6.0	20.4
1 2	6 50.33	+10 53.2	1.957	2.926	4.1	20.3
1 12	6 41.62	+10 51.5	1.963	2.921	5.3	20.3
1 22	6 33.76	+10 58.8	1.998	2.917	8.4	20.5
2 1	6 27.57	+11 13.5	2.059	2.913	11.5	20.7
2 11	6 23.62	+11 33.8	2.142	2.909	14.3	20.9

499398 2010 BF_{48} 1 2.7 243°.91 7°.4/ 1.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 23.19	+48 51.5	2.622	3.412	11.3	21.1
12 13	7 14.40	+49 19.0	2.548	3.403	9.5	20.9
12 23	7 3.18	+49 30.2	2.498	3.394	8.0	20.8
1 2	6 50.59	+49 19.8	2.476	3.385	7.4	20.8
1 12	6 38.07	+48 45.9	2.482	3.376	8.1	20.8
1 22	6 26.94	+47 50.4	2.515	3.367	9.7	20.9
2 1	6 18.26	+46 37.9	2.573	3.357	11.7	21.0
2 11	6 12.62	+45 14.9	2.654	3.347	13.5	21.1

428937 2008 WF_{129} 1 2.7 353°.46 0°.7/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 13.49	+24 36.3	1.866	2.722	12.4	21.3
12 13	7 7.65	+24 40.2	1.795	2.719	8.8	21.0
12 23	6 59.65	+24 44.0	1.750	2.717	4.7	20.8
1 2	6 50.38	+24 45.4	1.732	2.715	0.7	20.5
1 12	6 41.03	+24 42.9	1.744	2.714	4.2	20.8
1 22	6 32.78	+24 36.3	1.783	2.713	8.4	21.0
2 1	6 26.58	+24 26.3	1.848	2.713	12.1	21.2
2 11	6 23.06	+24 14.3	1.934	2.713	15.2	21.4

473770 2016 ES_{65} 1 2.7 110°.34 4°.0/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.02	+35 3.2	2.358	3.197	10.8	21.4
12 13	7 9.18	+35 37.1	2.295	3.203	8.1	21.2
12 23	7 0.37	+36 3.5	2.258	3.209	5.4	21.0
1 2	6 50.43	+36 18.6	2.250	3.214	4.0	21.0
1 12	6 40.46	+36 20.1	2.271	3.220	5.5	21.1
1 22	6 31.55	+36 8.5	2.321	3.225	8.1	21.2
2 1	6 24.58	+35 45.9	2.397	3.231	10.8	21.4
2 11	6 20.11	+35 15.7	2.495	3.236	13.2	21.6

457831 2009 SX_{75} 1 2.7 127°.08 1°.9/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.38	+16 21.9	2.180	3.018	11.6	21.8
12 13	7 7.89	+16 30.8	2.116	3.028	8.4	21.6
12 23	6 59.63	+16 46.0	2.078	3.039	4.8	21.4
1 2	6 50.38	+17 6.3	2.069	3.049	1.9	21.2
1 12	6 41.11	+17 29.9	2.091	3.059	4.0	21.4
1 22	6 32.78	+17 55.0	2.142	3.068	7.5	21.6
2 1	6 26.16	+18 20.6	2.221	3.077	10.7	21.8
2 11	6 21.81	+18 45.4	2.322	3.086	13.4	22.1

404802 2014 JO_{61} 1 2.7 125°.55 5°.1/ 4.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.46	+ 6 47.6	2.127	2.936	13.0	21.9
12 13	7 9.25	+ 6 38.0	2.071	2.956	10.0	21.8
12 23	7 0.30	+ 6 41.9	2.040	2.976	7.0	21.6
1 2	6 50.43	+ 6 59.8	2.037	2.994	5.2	21.6
1 12	6 40.61	+ 7 30.2	2.064	3.012	6.0	21.6
1 22	6 31.80	+ 8 10.6	2.120	3.029	8.6	21.8
2 1	6 24.77	+ 8 57.8	2.204	3.045	11.3	22.0
2 11	6 20.01	+ 9 48.6	2.310	3.060	13.8	22.2

156124 2001 SR_{344} 1 2.7 179°.58 0°.9/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.74	+25 24.2	1.812	2.658	13.2	20.8
12 13	7 12.79	+25 25.0	1.741	2.660	9.4	20.6
12 23	7 2.39	+25 24.0	1.696	2.661	5.1	20.3
1 2	6 50.57	+25 18.6	1.679	2.662	0.9	20.0
1 12	6 38.70	+25 7.3	1.693	2.661	4.5	20.3
1 22	6 28.12	+24 50.5	1.735	2.660	8.9	20.5
2 1	6 19.93	+24 30.1	1.804	2.659	12.8	20.8
2 11	6 14.77	+24 8.4	1.894	2.656	16.0	21.0

144916 2005 AY_{69} 1 2.7 204°.04 0°.8/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.95	+25 0.3	2.578	3.421	9.9	21.1
12 13	7 7.54	+25 16.0	2.500	3.417	7.0	20.9
12 23	6 59.46	+25 31.3	2.448	3.413	3.8	20.7
1 2	6 50.39	+25 44.2	2.426	3.408	0.8	20.4
1 12	6 41.20	+25 53.0	2.435	3.403	3.4	20.6
1 22	6 32.79	+25 57.1	2.475	3.398	6.7	20.8
2 1	6 25.92	+25 56.8	2.542	3.392	9.7	21.0
2 11	6 21.12	+25 53.3	2.633	3.386	12.3	21.2

260190 2004 RM_{153} 1 2.7 118°.99 1°.4/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.54	+28 11.3	2.886	3.727	9.0	20.8
12 13	7 6.34	+28 15.6	2.819	3.735	6.4	20.6
12 23	6 58.72	+28 17.2	2.779	3.742	3.5	20.4
1 2	6 50.34	+28 14.5	2.770	3.750	1.4	20.3
1 12	6 41.97	+28 6.4	2.792	3.757	3.3	20.4
1 22	6 34.38	+27 53.2	2.844	3.764	6.1	20.6
2 1	6 28.21	+27 35.9	2.924	3.771	8.7	20.8
2 11	6 23.90	+27 15.9	3.028	3.778	10.9	21.0

148070 1998 VY_{49} 1 2.7 17°.06 3°.8/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.78	+28 32.6	1.064	1.947	17.5	19.0
12 13	7 8.91	+29 20.1	1.021	1.956	12.5	18.7
12 23	7 0.66	+30 4.1	0.999	1.967	7.2	18.5
1 2	6 50.46	+30 37.2	1.001	1.980	3.8	18.3
1 12	6 40.38	+30 54.7	1.027	1.994	7.1	18.6
1 22	6 32.30	+30 56.1	1.076	2.010	12.1	18.9
2 1	6 27.58	+30 44.4	1.146	2.028	16.6	19.2
2 11	6 26.83	+30 24.0	1.235	2.047	20.3	19.5

8272 litatemura 1 2.7 15°.85 5°.9/ 2.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.34	+34 2.3	1.154	2.025	17.4	16.1
12 13	7 12.22	+34 42.7	1.104	2.029	12.9	15.8
12 23	7 2.46	+35 12.2	1.074	2.034	8.4	15.6
1 2	6 50.59	+35 22.8	1.068	2.039	5.9	15.5
1 12	6 38.78	+35 10.5	1.087	2.046	8.3	15.6
1 22	6 29.09	+34 37.6	1.130	2.054	12.7	15.9
2 1	6 23.00	+33 50.0	1.194	2.063	17.0	16.2
2 11	6 21.13	+32 55.0	1.276	2.073	20.6	16.4

118685 2000 NV_{15} 1 2.7 62°.70 1°.2/ 3.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 15.13	+17 22.7	1.699	2.549	13.8	19.2
12 13	7 8.80	+18 0.4	1.645	2.565	9.8	19.0
12 23	7 0.25	+18 46.4	1.615	2.580	5.4	18.7
1 2	6 50.45	+19 37.2	1.614	2.596	1.3	18.5
1 12	6 40.64	+20 28.7	1.641	2.611	4.4	18.7
1 22	6 32.05	+21 17.8	1.696	2.627	8.7	19.0
2 1	6 25.64	+22 2.4	1.778	2.643	12.5	19.3
2 11	6 22.02	+22 41.6	1.880	2.659	15.6	19.5

138517 2000 LO_{32} 1 2.7 213°.95 2°.7/ 3.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.27	+12 27.4	2.932	3.754	9.4	21.6
12 13	7 5.45	+12 21.0	2.847	3.747	7.0	21.5
12 23	6 58.29	+12 21.3	2.788	3.739	4.5	21.3
1 2	6 50.33	+12 28.2	2.759	3.730	2.8	21.2
1 12	6 42.25	+12 41.2	2.761	3.721	3.8	21.2
1 22	6 34.74	+12 59.1	2.794	3.711	6.3	21.4
2 1	6 28.43	+13 20.8	2.855	3.701	8.9	21.5
2 11	6 23.79	+13 44.9	2.940	3.691	11.2	21.7

202540 2006 DK_{62} 1 2.7 270°.32 1°.6/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.75	+18 45.6	1.556	2.410	14.6	20.3
12 13	7 10.38	+18 43.9	1.476	2.398	10.6	20.0
12 23	7 1.32	+18 48.3	1.421	2.386	5.9	19.7
1 2	6 50.53	+18 57.3	1.392	2.374	1.7	19.4
1 12	6 39.43	+19 9.1	1.392	2.362	5.1	19.6
1 22	6 29.50	+19 22.1	1.418	2.350	10.0	19.9
2 1	6 21.99	+19 35.5	1.469	2.337	14.4	20.1
2 11	6 17.70	+19 49.1	1.540	2.325	18.2	20.3

251067 2006 ST_{34} 1 2.7 109°.75 0°.9/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.93	+20 7.6	1.965	2.808	12.5	21.5
12 13	7 10.44	+20 7.5	1.912	2.829	8.8	21.3
12 23	7 0.98	+20 10.6	1.884	2.849	4.8	21.1
1 2	6 50.50	+20 15.2	1.886	2.868	1.0	20.8
1 12	6 40.14	+20 19.9	1.917	2.887	4.0	21.1
1 22	6 30.99	+20 24.1	1.979	2.905	7.9	21.4
2 1	6 23.90	+20 27.8	2.066	2.923	11.4	21.6
2 11	6 19.38	+20 31.2	2.177	2.940	14.2	21.8

252233 2001 PN_{11} 1 2.7 133°.37 2°.7/ 3.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.58	+12 49.1	2.120	2.949	12.2	21.0
12 13	7 8.79	+13 16.8	2.056	2.961	9.0	20.8
12 23	7 0.16	+13 54.8	2.017	2.973	5.4	20.6
1 2	6 50.46	+14 41.0	2.008	2.985	2.7	20.5
1 12	6 40.71	+15 32.7	2.030	2.995	4.3	20.6
1 22	6 31.90	+16 26.7	2.082	3.006	7.8	20.8
2 1	6 24.86	+17 20.3	2.161	3.016	11.0	21.1
2 11	6 20.15	+18 11.7	2.263	3.025	13.8	21.3

54664 2000 UH_{107} 1 2.7 183°.02 0°.7/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.36	+19 19.0	1.801	2.648	13.3	19.8
12 13	7 10.46	+19 49.2	1.730	2.648	9.5	19.5
12 23	7 1.22	+20 25.5	1.683	2.649	5.1	19.3
1 2	6 50.53	+21 4.9	1.665	2.648	0.8	19.0
1 12	6 39.67	+21 43.8	1.677	2.648	4.4	19.2
1 22	6 29.89	+22 19.8	1.718	2.646	8.8	19.5
2 1	6 22.27	+22 51.5	1.785	2.645	12.7	19.7
2 11	6 17.52	+23 18.8	1.873	2.643	16.0	19.9

19728 1999 XQ_{14} 1 2.7 201°.63 4°.2/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.59	+15 4.0	1.870	2.702	13.5	18.1
12 13	7 12.50	+13 46.1	1.793	2.699	10.1	17.9
12 23	7 2.19	+12 32.0	1.743	2.696	6.4	17.7
1 2	6 50.60	+11 24.4	1.722	2.692	4.2	17.5
1 12	6 38.98	+10 26.3	1.732	2.688	6.1	17.6
1 22	6 28.52	+ 9 39.6	1.771	2.683	9.7	17.8
2 1	6 20.22	+ 9 5.3	1.836	2.678	13.2	18.0
2 11	6 14.69	+ 8 42.3	1.923	2.673	16.3	18.2

171238 2005 KR_{7} 1 2.7 252°.05 5°.1/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.88	+ 7 26.6	2.532	3.343	11.1	20.2
12 13	7 6.04	+ 6 41.8	2.447	3.331	8.7	20.0
12 23	6 58.67	+ 6 6.3	2.387	3.320	6.4	19.9
1 2	6 50.37	+ 5 42.2	2.356	3.308	5.1	19.8
1 12	6 41.95	+ 5 30.1	2.355	3.296	5.9	19.8
1 22	6 34.17	+ 5 29.9	2.383	3.284	8.1	19.9
2 1	6 27.76	+ 5 40.2	2.437	3.272	10.6	20.1
2 11	6 23.23	+ 5 58.6	2.514	3.259	13.0	20.2

37562 1988 MA 1 2.7 274°.88 12°.2/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.72	− 2 53.1	1.673	2.455	17.0	18.0
12 13	7 10.18	− 4 57.6	1.594	2.438	14.8	17.8
12 23	7 1.18	− 6 43.6	1.537	2.419	12.9	17.6
1 2	6 50.55	− 8 2.6	1.504	2.401	12.2	17.5
1 12	6 39.54	− 8 49.0	1.497	2.382	13.0	17.5
1 22	6 29.44	− 9 1.4	1.514	2.364	15.1	17.6
2 1	6 21.44	− 8 43.2	1.551	2.345	17.6	17.7
2 11	6 16.34	− 8 0.9	1.606	2.326	20.1	17.9

110703 2001 TF_{217} 1 2.7 100°.72 5°.1/ 4.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 15.64	+ 6 53.9	2.146	2.956	12.8	20.9
12 13	7 8.61	+ 6 39.7	2.097	2.983	9.9	20.7
12 23	6 59.95	+ 6 38.8	2.074	3.009	7.0	20.6
1 2	6 50.45	+ 6 51.5	2.079	3.035	5.2	20.5
1 12	6 41.09	+ 7 16.7	2.113	3.060	5.9	20.6
1 22	6 32.74	+ 7 51.9	2.177	3.085	8.4	20.8
2 1	6 26.14	+ 8 34.1	2.267	3.109	11.1	21.0
2 11	6 21.74	+ 9 20.2	2.380	3.132	13.4	21.2

473906 2016 ER_{149} 1 2.7 179°.13 4°.1/ 1.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.03	+34 18.2	2.327	3.167	10.9	20.8
12 13	7 9.32	+35 6.2	2.258	3.168	8.1	20.6
12 23	7 0.54	+35 48.0	2.216	3.168	5.4	20.5
1 2	6 50.50	+36 18.9	2.203	3.168	4.1	20.4
1 12	6 40.33	+36 36.1	2.219	3.168	5.6	20.5
1 22	6 31.14	+36 39.0	2.264	3.168	8.4	20.7
2 1	6 23.88	+36 29.5	2.336	3.168	11.1	20.8
2 11	6 19.18	+36 10.9	2.429	3.167	13.5	21.0

416909 2005 RN_{29} 1 2.7 113°.01 2°.5/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 22.04	+31 42.8	2.167	3.003	11.8	21.2
12 13	7 13.20	+31 30.8	2.112	3.023	8.4	21.0
12 23	7 2.38	+31 11.3	2.083	3.043	4.9	20.8
1 2	6 50.61	+30 42.0	2.085	3.062	2.5	20.7
1 12	6 39.12	+30 2.9	2.118	3.080	4.5	20.9
1 22	6 29.03	+29 16.2	2.181	3.098	7.8	21.1
2 1	6 21.16	+28 25.3	2.271	3.116	11.0	21.3
2 11	6 15.99	+27 33.6	2.385	3.132	13.5	21.5

201221 2002 QU_{65} 1 2.7 75°.97 0°.9/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.62	+25 2.5	2.089	2.939	11.6	20.5
12 13	7 8.20	+25 15.3	2.029	2.950	8.2	20.4
12 23	6 59.87	+25 27.6	1.993	2.960	4.4	20.1
1 2	6 50.46	+25 37.0	1.987	2.970	0.9	19.9
1 12	6 41.08	+25 41.8	2.011	2.980	3.9	20.1
1 22	6 32.76	+25 41.6	2.063	2.990	7.7	20.4
2 1	6 26.34	+25 37.1	2.142	3.000	11.0	20.6
2 11	6 22.38	+25 29.6	2.244	3.010	13.7	20.8

440448 2005 SH_{76} 1 2.7 103°.46 3°.8/ 2.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 23.47	+30 48.4	1.499	2.351	15.2	21.7
12 13	7 15.03	+31 26.7	1.451	2.370	10.9	21.5
12 23	7 3.66	+31 58.3	1.427	2.388	6.5	21.3
1 2	6 50.71	+32 16.9	1.431	2.407	3.8	21.1
1 12	6 37.96	+32 19.5	1.463	2.424	6.3	21.3
1 22	6 27.06	+32 7.0	1.522	2.441	10.4	21.6
2 1	6 19.20	+31 43.4	1.605	2.458	14.3	21.9
2 11	6 14.95	+31 13.6	1.709	2.474	17.4	22.1

463875 2014 UO_{46} 1 2.7 92°.28 3°.0/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.71	+29 22.0	1.887	2.738	12.5	21.0
12 13	7 10.02	+30 6.0	1.823	2.743	9.0	20.8
12 23	7 0.98	+30 46.9	1.785	2.747	5.3	20.6
1 2	6 50.55	+31 19.7	1.775	2.752	3.0	20.4
1 12	6 40.02	+31 41.1	1.794	2.756	5.3	20.6
1 22	6 30.67	+31 50.2	1.842	2.761	9.0	20.8
2 1	6 23.56	+31 48.5	1.914	2.765	12.4	21.1
2 11	6 19.35	+31 38.9	2.008	2.769	15.3	21.3

160097 2000 QJ_{165} 1 2.7 64°.70 2°.5/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.82	+28 53.6	1.383	2.243	15.7	19.4
12 13	7 13.23	+28 56.4	1.332	2.257	11.2	19.2
12 23	7 2.72	+28 53.4	1.305	2.270	6.3	18.9
1 2	6 50.65	+28 41.0	1.304	2.284	2.5	18.7
1 12	6 38.82	+28 17.6	1.330	2.298	5.7	19.0
1 22	6 28.84	+27 45.4	1.383	2.312	10.4	19.3
2 1	6 21.90	+27 8.0	1.460	2.326	14.6	19.6
2 11	6 18.55	+26 29.4	1.557	2.341	18.1	19.8

143495 2003 DW_{9} 1 2.7 314°.04 1°.6/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.94	+26 2.7	2.283	3.133	10.7	19.8
12 13	7 7.09	+26 45.6	2.208	3.128	7.6	19.6
12 23	6 59.36	+27 28.9	2.159	3.124	4.2	19.4
1 2	6 50.45	+28 8.9	2.140	3.120	1.6	19.2
1 12	6 41.36	+28 42.6	2.150	3.116	4.1	19.4
1 22	6 33.09	+29 8.4	2.190	3.112	7.5	19.6
2 1	6 26.53	+29 26.2	2.257	3.109	10.7	19.8
2 11	6 22.28	+29 37.1	2.346	3.105	13.4	20.0

204828 2007 PF_{22} 1 2.7 116°.09 0°.9/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.40	+25 10.9	1.798	2.646	13.3	20.0
12 13	7 12.40	+25 18.8	1.744	2.664	9.4	19.8
12 23	7 2.12	+25 25.5	1.715	2.681	5.0	19.5
1 2	6 50.63	+25 28.0	1.716	2.698	1.0	19.3
1 12	6 39.28	+25 24.7	1.745	2.714	4.4	19.6
1 22	6 29.34	+25 15.8	1.804	2.730	8.6	19.9
2 1	6 21.79	+25 3.0	1.889	2.745	12.3	20.1
2 11	6 17.18	+24 48.2	1.996	2.760	15.3	20.3

280795 2005 TY_{17} 1 2.7 41°.46 1°.2/ 2.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 18.23	+23 37.1	1.053	1.930	18.2	20.1
12 13	7 11.89	+24 12.0	1.014	1.948	12.8	19.8
12 23	7 2.18	+24 49.5	0.996	1.966	6.8	19.6
1 2	6 50.64	+25 23.7	1.002	1.985	1.3	19.3
1 12	6 39.34	+25 49.7	1.033	2.005	6.0	19.7
1 22	6 30.16	+26 5.9	1.088	2.025	11.6	20.0
2 1	6 24.41	+26 13.5	1.165	2.046	16.4	20.4
2 11	6 22.65	+26 14.9	1.260	2.068	20.2	20.7

325347 2008 KM_{13} 1 2.7 326°.64 5°.9/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.16	+11 46.2	1.448	2.298	15.7	20.3
12 13	7 7.90	+10 46.3	1.370	2.282	12.0	20.0
12 23	7 0.04	+ 9 56.6	1.314	2.266	8.2	19.7
1 2	6 50.52	+ 9 20.6	1.283	2.251	5.9	19.6
1 12	6 40.70	+ 9 0.5	1.279	2.236	7.6	19.6
1 22	6 32.00	+ 8 56.2	1.299	2.222	11.5	19.8
2 1	6 25.65	+ 9 6.2	1.343	2.209	15.6	20.0
2 11	6 22.43	+ 9 27.1	1.406	2.197	19.3	20.2

271206 2003 SU_{385} 1 2.7 306°.42 5°.0/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.74	+ 8 33.4	1.960	2.787	13.2	20.4
12 13	7 6.34	+ 8 22.1	1.880	2.778	10.1	20.1
12 23	6 59.00	+ 8 24.1	1.824	2.768	7.1	19.9
1 2	6 50.45	+ 8 40.4	1.796	2.759	5.1	19.8
1 12	6 41.70	+ 9 10.0	1.795	2.750	6.1	19.8
1 22	6 33.78	+ 9 50.6	1.823	2.741	9.1	20.0
2 1	6 27.59	+10 39.1	1.876	2.732	12.3	20.2
2 11	6 23.77	+11 31.9	1.950	2.724	15.3	20.4

52825 1998 RM_{28} 1 2.7 150°.68 1°.5/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.33	+18 15.8	1.727	2.571	13.9	19.9
12 13	7 11.79	+18 23.4	1.664	2.580	10.0	19.7
12 23	7 1.90	+18 37.0	1.625	2.588	5.5	19.5
1 2	6 50.64	+18 54.5	1.614	2.596	1.6	19.2
1 12	6 39.35	+19 13.7	1.634	2.603	4.6	19.4
1 22	6 29.31	+19 32.9	1.681	2.609	9.0	19.7
2 1	6 21.59	+19 51.4	1.755	2.615	12.9	20.0
2 11	6 16.81	+20 8.9	1.850	2.619	16.1	20.2

342976 2009 BO_{36} 1 2.7 122°.40 1°.1/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.89	+17 31.1	2.438	3.278	10.5	20.6
12 13	7 6.13	+17 57.0	2.366	3.281	7.5	20.4
12 23	6 58.76	+18 28.7	2.321	3.284	4.2	20.2
1 2	6 50.44	+19 4.2	2.306	3.287	1.2	20.0
1 12	6 42.03	+19 41.4	2.321	3.290	3.4	20.1
1 22	6 34.35	+20 18.1	2.366	3.293	6.8	20.4
2 1	6 28.17	+20 53.0	2.438	3.296	9.8	20.6
2 11	6 24.00	+21 25.3	2.535	3.298	12.4	20.8

77012 2001 CX_{11} 1 2.7 76°.03 4°.3/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 23.94	+30 45.2	1.224	2.086	17.2	18.5
12 13	7 15.75	+31 27.0	1.183	2.107	12.4	18.3
12 23	7 4.17	+32 1.2	1.165	2.128	7.4	18.1
1 2	6 50.80	+32 20.4	1.172	2.148	4.3	18.0
1 12	6 37.75	+32 21.2	1.206	2.169	7.1	18.2
1 22	6 26.95	+32 5.1	1.265	2.189	11.7	18.5
2 1	6 19.68	+31 37.2	1.347	2.210	15.9	18.8
2 11	6 16.48	+31 3.1	1.448	2.229	19.3	19.1

205816 2002 CW_{212} 1 2.7 238°.67 1°.0/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.30	+19 28.1	1.846	2.692	13.0	21.4
12 13	7 10.52	+19 39.3	1.762	2.680	9.4	21.2
12 23	7 1.35	+19 55.6	1.702	2.667	5.2	20.9
1 2	6 50.64	+20 15.0	1.671	2.653	1.1	20.6
1 12	6 39.62	+20 35.1	1.669	2.639	4.4	20.8
1 22	6 29.57	+20 54.3	1.696	2.624	8.9	21.0
2 1	6 21.61	+21 11.7	1.749	2.609	12.9	21.3
2 11	6 16.50	+21 27.4	1.824	2.594	16.3	21.5

377040 2002 SG_{73} 1 2.7 105°.12 4°.9/ 1.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.76	+37 12.5	2.265	3.100	11.4	20.8
12 13	7 10.54	+37 52.4	2.207	3.110	8.6	20.7
12 23	7 1.18	+38 23.0	2.174	3.119	6.0	20.5
1 2	6 50.61	+38 39.7	2.170	3.128	4.9	20.5
1 12	6 40.06	+38 40.2	2.195	3.137	6.2	20.6
1 22	6 30.68	+38 25.0	2.248	3.146	8.7	20.7
2 1	6 23.42	+37 57.2	2.327	3.154	11.3	20.9
2 11	6 18.85	+37 20.9	2.427	3.163	13.6	21.1

480 Hansa 1 2.7 12°.36 9°.5/ 2.8 18 A

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.38	+ 2 5.2	1.718	2.523	15.7	12.4
12 13	7 8.95	+ 0 21.1	1.654	2.523	13.0	12.2
12 23	7 0.38	− 1 6.1	1.615	2.524	10.6	12.1
1 2	6 50.57	− 2 10.6	1.601	2.525	9.5	12.0
1 12	6 40.68	− 2 48.8	1.613	2.527	10.3	12.1
1 22	6 31.88	− 3 0.8	1.651	2.528	12.5	12.2
2 1	6 25.14	− 2 49.6	1.711	2.530	15.1	12.4
2 11	6 21.06	− 2 20.9	1.791	2.532	17.6	12.6

178499 1999 TK_{125} 1 2.7 172°.91 2°.6/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 22.64	+28 48.1	1.705	2.553	13.9	19.9
12 13	7 14.39	+29 13.6	1.639	2.556	10.0	19.7
12 23	7 3.39	+29 35.0	1.597	2.560	5.7	19.4
1 2	6 50.77	+29 47.4	1.583	2.562	2.6	19.2
1 12	6 38.08	+29 48.0	1.599	2.563	5.4	19.4
1 22	6 26.84	+29 36.9	1.643	2.564	9.7	19.7
2 1	6 18.26	+29 17.0	1.712	2.564	13.6	19.9
2 11	6 13.02	+28 52.0	1.803	2.563	16.8	20.1

388858 2008 HH_{26} 1 2.7 217°.00 2°.1/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.87	+16 31.5	1.652	2.496	14.4	22.0
12 13	7 11.78	+16 42.6	1.573	2.489	10.5	21.7
12 23	7 2.08	+17 2.7	1.519	2.481	6.0	21.5
1 2	6 50.70	+17 29.7	1.492	2.473	2.2	21.2
1 12	6 39.01	+18 0.9	1.494	2.463	5.0	21.4
1 22	6 28.44	+18 33.8	1.525	2.453	9.7	21.6
2 1	6 20.20	+19 6.5	1.581	2.443	14.0	21.8
2 11	6 15.07	+19 38.1	1.658	2.431	17.6	22.0

71903 2000 WO_{25} 1 2.7 287°.32 2°.9/ 2.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.71	+27 21.0	1.539	2.399	14.4	19.0
12 13	7 11.32	+28 15.2	1.465	2.390	10.4	18.8
12 23	7 1.98	+29 9.8	1.415	2.381	5.9	18.5
1 2	6 50.70	+29 58.2	1.393	2.372	2.9	18.3
1 12	6 39.04	+30 35.0	1.398	2.363	6.0	18.5
1 22	6 28.66	+30 57.9	1.430	2.354	10.6	18.7
2 1	6 20.95	+31 7.7	1.486	2.345	14.8	18.9
2 11	6 16.76	+31 7.6	1.561	2.337	18.4	19.2

47924 2000 GS_{113} 1 2.7 354°.77 6°.7/ 3.6 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.47	+ 6 51.7	1.774	2.602	14.3	18.2
12 13	7 6.22	+ 6 0.7	1.706	2.599	11.3	18.0
12 23	6 58.95	+ 5 24.1	1.660	2.596	8.4	17.9
1 2	6 50.49	+ 5 4.5	1.641	2.594	6.7	17.8
1 12	6 41.93	+ 5 2.9	1.649	2.593	7.6	17.8
1 22	6 34.34	+ 5 17.9	1.683	2.592	10.3	18.0
2 1	6 28.65	+ 5 46.8	1.741	2.592	13.4	18.1
2 11	6 25.45	+ 6 25.4	1.819	2.592	16.2	18.3

422326 2014 SJ_{205} 1 2.7 41°.84 1°.6/ 3.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.91	+18 10.2	1.581	2.437	14.3	21.0
12 13	7 8.85	+18 19.2	1.522	2.444	10.3	20.8
12 23	7 0.41	+18 35.3	1.486	2.451	5.7	20.6
1 2	6 50.60	+18 56.4	1.478	2.459	1.7	20.3
1 12	6 40.76	+19 20.1	1.497	2.467	4.7	20.5
1 22	6 32.19	+19 44.2	1.543	2.476	9.2	20.8
2 1	6 25.94	+20 7.6	1.615	2.485	13.3	21.1
2 11	6 22.64	+20 29.3	1.707	2.494	16.6	21.3

8176 1991 WA 1 2.7 108°.09 16°.1/30.9 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	8 19.20	+53 43.8	1.391	2.138	21.5	20.3
12 13	7 59.44	+57 49.2	1.381	2.190	18.6	20.3
12 23	7 29.71	+61 9.0	1.398	2.239	16.6	20.3
1 2	6 52.62	+63 12.7	1.443	2.284	16.1	20.4
1 12	6 14.98	+63 49.6	1.515	2.326	17.0	20.5
1 22	5 43.89	+63 15.6	1.610	2.364	18.7	20.8
2 1	5 22.87	+61 59.7	1.724	2.399	20.3	21.0
2 11	5 11.64	+60 27.8	1.853	2.431	21.7	21.2

281338 2007 TJ_{431} 1 2.7 102°.10 2°.1/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.62	+28 52.5	2.431	3.276	10.3	21.3
12 13	7 8.09	+29 21.8	2.371	3.288	7.4	21.1
12 23	6 59.81	+29 48.2	2.338	3.300	4.2	20.9
1 2	6 50.57	+30 8.5	2.335	3.313	2.1	20.8
1 12	6 41.32	+30 20.9	2.362	3.325	4.1	20.9
1 22	6 33.01	+30 24.9	2.418	3.337	7.1	21.2
2 1	6 26.42	+30 21.4	2.502	3.348	10.0	21.4
2 11	6 22.07	+30 12.5	2.609	3.360	12.4	21.6

412609 2014 OH_{95} 1 2.7 91°.99 3°.6/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.73	+32 20.2	1.828	2.674	13.2	21.1
12 13	7 12.74	+32 44.8	1.780	2.694	9.5	20.9
12 23	7 2.35	+33 1.8	1.756	2.714	5.8	20.8
1 2	6 50.73	+33 6.8	1.760	2.734	3.6	20.7
1 12	6 39.31	+32 58.0	1.794	2.753	5.6	20.8
1 22	6 29.41	+32 36.6	1.856	2.772	9.1	21.1
2 1	6 22.03	+32 5.9	1.944	2.791	12.4	21.3
2 11	6 17.70	+31 30.2	2.053	2.809	15.2	21.5

82420 2001 NN_{17} 1 2.7 239°.85 3°.6/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.69	+29 20.7	1.593	2.447	14.4	19.8
12 13	7 13.47	+30 15.2	1.516	2.436	10.4	19.5
12 23	7 3.17	+31 7.9	1.464	2.426	6.2	19.2
1 2	6 50.81	+31 51.5	1.438	2.414	3.6	19.0
1 12	6 38.04	+32 20.7	1.441	2.403	6.4	19.2
1 22	6 26.55	+32 33.7	1.472	2.391	10.8	19.4
2 1	6 17.82	+32 32.4	1.526	2.378	14.9	19.6
2 11	6 12.71	+32 20.9	1.601	2.365	18.4	19.8

413531 2005 SW_{88} 1 2.7 68°.35 1°.3/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 15.82	+19 29.9	1.733	2.584	13.5	20.9
12 13	7 9.25	+19 26.4	1.678	2.598	9.6	20.7
12 23	7 0.53	+19 27.4	1.647	2.612	5.3	20.5
1 2	6 50.62	+19 31.4	1.644	2.626	1.3	20.3
1 12	6 40.79	+19 36.9	1.670	2.640	4.4	20.5
1 22	6 32.21	+19 43.1	1.724	2.654	8.6	20.8
2 1	6 25.83	+19 49.6	1.804	2.669	12.3	21.0
2 11	6 22.19	+19 56.1	1.905	2.683	15.4	21.3

499976 2011 KH_{38} 1 2.7 215°.88 0°.5/ 2.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.93	+20 45.6	2.663	3.503	9.7	22.5
12 13	7 6.83	+20 54.9	2.580	3.496	6.9	22.3
12 23	6 59.15	+21 6.6	2.525	3.489	3.7	22.1
1 2	6 50.54	+21 19.3	2.499	3.482	0.5	21.8
1 12	6 41.80	+21 31.6	2.505	3.474	3.2	22.0
1 22	6 33.75	+21 42.7	2.541	3.466	6.5	22.2
2 1	6 27.10	+21 52.2	2.604	3.458	9.4	22.4
2 11	6 22.39	+22 0.1	2.692	3.449	11.9	22.6

165129 2000 KU_{44} 1 2.7 23°.02 4°.8/ 3.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.51	+ 8 59.9	2.061	2.887	12.6	19.9
12 13	7 6.02	+ 8 40.2	1.992	2.890	9.7	19.7
12 23	6 58.79	+ 8 32.5	1.949	2.892	6.7	19.6
1 2	6 50.53	+ 8 37.6	1.932	2.895	4.8	19.5
1 12	6 42.21	+ 8 54.9	1.945	2.898	5.8	19.5
1 22	6 34.75	+ 9 22.6	1.985	2.901	8.6	19.7
2 1	6 28.96	+ 9 58.1	2.051	2.905	11.6	19.9
2 11	6 25.38	+10 38.4	2.139	2.909	14.2	20.1

113318 2002 RX_{200} 1 2.7 68°.82 0°.8/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.63	+19 50.1	2.059	2.907	11.8	20.1
12 13	7 7.52	+20 0.6	1.999	2.918	8.4	19.9
12 23	6 59.57	+20 15.1	1.964	2.929	4.5	19.7
1 2	6 50.58	+20 31.7	1.958	2.940	0.9	19.4
1 12	6 41.60	+20 48.6	1.981	2.951	3.8	19.7
1 22	6 33.61	+21 4.6	2.033	2.963	7.6	19.9
2 1	6 27.44	+21 19.0	2.112	2.974	10.9	20.2
2 11	6 23.64	+21 31.8	2.214	2.985	13.7	20.4

378376 2007 PM_{25} 1 2.7 46°.02 3°.9/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.30	+34 42.7	1.786	2.631	13.4	19.6
12 13	7 12.31	+34 33.3	1.743	2.656	9.8	19.5
12 23	7 2.05	+34 13.2	1.724	2.681	6.1	19.3
1 2	6 50.74	+33 39.6	1.733	2.706	3.9	19.2
1 12	6 39.84	+32 52.8	1.772	2.731	5.6	19.4
1 22	6 30.63	+31 56.0	1.838	2.757	9.0	19.6
2 1	6 23.99	+30 53.8	1.930	2.783	12.2	19.9
2 11	6 20.36	+29 50.8	2.045	2.809	15.0	20.1

218370 2004 JG_{11} 1 2.7 161°.82 6°.7/ 4.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.46	+ 2 47.3	2.074	2.874	13.6	20.9
12 13	7 7.39	+ 2 30.3	2.004	2.877	10.9	20.7
12 23	6 59.53	+ 2 30.5	1.959	2.880	8.3	20.5
1 2	6 50.61	+ 2 49.0	1.940	2.883	6.8	20.4
1 12	6 41.59	+ 3 25.3	1.949	2.885	7.3	20.5
1 22	6 33.43	+ 4 16.4	1.986	2.887	9.5	20.6
2 1	6 26.96	+ 5 18.4	2.049	2.888	12.2	20.8
2 11	6 22.73	+ 6 26.6	2.134	2.890	14.7	21.0

258733 2002 GB_{123} 1 2.7 291°.31 0°.4/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.23	+20 38.9	1.510	2.368	14.7	20.5
12 13	7 10.25	+20 59.4	1.428	2.353	10.6	20.2
12 23	7 1.44	+21 26.1	1.371	2.338	5.7	19.9
1 2	6 50.75	+21 55.6	1.339	2.323	0.6	19.5
1 12	6 39.64	+22 24.6	1.336	2.307	5.0	19.8
1 22	6 29.67	+22 50.5	1.359	2.292	10.2	20.0
2 1	6 22.18	+23 12.3	1.407	2.277	14.8	20.3
2 11	6 18.06	+23 30.2	1.474	2.263	18.7	20.5

203819 2002 TZ_{237} 1 2.7 44°.41 1°.2/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.72	+28 5.4	1.738	2.590	13.4	19.2
12 13	7 11.15	+27 34.7	1.692	2.614	9.5	19.1
12 23	7 1.44	+26 59.2	1.672	2.638	5.1	18.8
1 2	6 50.72	+26 17.8	1.680	2.662	1.3	18.6
1 12	6 40.37	+25 31.3	1.717	2.687	4.4	18.9
1 22	6 31.56	+24 42.1	1.783	2.712	8.5	19.2
2 1	6 25.17	+23 53.2	1.875	2.737	12.1	19.5
2 11	6 21.62	+23 7.2	1.989	2.763	15.0	19.7

231374 2006 HY_{41} 1 2.7 296°.59 2°.3/ 3.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.57	+14 40.8	2.117	2.956	11.9	20.5
12 13	7 6.85	+15 0.0	2.042	2.954	8.7	20.3
12 23	6 59.28	+15 28.0	1.992	2.952	5.1	20.1
1 2	6 50.59	+16 3.4	1.971	2.950	2.3	19.9
1 12	6 41.75	+16 43.9	1.980	2.947	4.2	20.0
1 22	6 33.73	+17 26.9	2.018	2.945	7.7	20.2
2 1	6 27.38	+18 10.1	2.082	2.943	11.1	20.4
2 11	6 23.32	+18 52.0	2.169	2.941	14.0	20.6

464365 2016 AB_{149} 1 2.7 246°.87 1°.5/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 17.07	+20 21.5	1.937	2.783	12.6	21.3
12 13	7 10.15	+19 49.3	1.857	2.774	9.0	21.1
12 23	7 1.08	+19 18.5	1.802	2.766	5.0	20.8
1 2	6 50.72	+18 49.0	1.775	2.757	1.5	20.5
1 12	6 40.23	+18 20.9	1.779	2.748	4.4	20.7
1 22	6 30.79	+17 55.3	1.812	2.739	8.5	21.0
2 1	6 23.36	+17 32.9	1.871	2.729	12.3	21.2
2 11	6 18.60	+17 14.4	1.952	2.720	15.5	21.4

215925 2005 JP_{107} 1 2.7 199°.83 2°.5/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.76	+15 40.8	1.990	2.829	12.6	20.9
12 13	7 9.17	+15 35.0	1.914	2.826	9.2	20.7
12 23	7 0.54	+15 36.3	1.864	2.823	5.4	20.4
1 2	6 50.68	+15 44.0	1.842	2.820	2.5	20.3
1 12	6 40.69	+15 57.0	1.850	2.816	4.6	20.4
1 22	6 31.64	+16 13.8	1.887	2.812	8.3	20.6
2 1	6 24.47	+16 33.3	1.950	2.808	11.9	20.8
2 11	6 19.81	+16 54.2	2.035	2.803	14.9	21.0

475097 2005 UY_{217} 1 2.7 357°.82 20°.5/26.4 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 34.16	+56 5.3	1.006	1.824	23.4	21.3
12 13	7 27.62	+59 30.0	0.973	1.822	21.6	21.2
12 23	7 12.89	+62 18.4	0.958	1.821	20.6	21.1
1 2	6 51.59	+64 5.7	0.960	1.820	20.8	21.1
1 12	6 28.76	+64 38.7	0.980	1.820	22.1	21.2
1 22	6 10.44	+64 2.8	1.014	1.820	24.0	21.4
2 1	6 0.51	+62 36.2	1.062	1.822	26.1	21.5
2 11	5 59.55	+60 39.5	1.120	1.823	28.0	21.7

114366 2002 XP_{88} 1 2.7 27°.43 5°.1/ 2.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.16	+33 28.5	0.904	1.787	19.9	18.0
12 13	7 13.72	+33 25.1	0.869	1.801	14.5	17.8
12 23	7 3.29	+33 7.2	0.853	1.817	8.8	17.6
1 2	6 50.85	+32 29.7	0.858	1.835	5.1	17.4
1 12	6 39.02	+31 32.8	0.887	1.855	7.9	17.6
1 22	6 29.95	+30 22.8	0.939	1.875	13.1	18.0
2 1	6 24.95	+29 8.1	1.011	1.897	17.9	18.3
2 11	6 24.39	+27 55.3	1.100	1.920	21.8	18.7

360816 2005 JA_{118} 1 2.7 99°.03 1°.3/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.34	+17 50.3	1.949	2.790	12.7	21.5
12 13	7 10.11	+18 9.8	1.899	2.814	9.0	21.3
12 23	7 0.93	+18 35.1	1.874	2.837	5.0	21.1
1 2	6 50.71	+19 3.8	1.878	2.860	1.4	20.9
1 12	6 40.60	+19 33.6	1.912	2.882	4.0	21.2
1 22	6 31.65	+20 2.3	1.976	2.903	7.9	21.5
2 1	6 24.71	+20 29.1	2.067	2.925	11.3	21.7
2 11	6 20.32	+20 53.3	2.180	2.945	14.1	21.9

243784 2000 SM_{55} 1 2.7 196°.07 3°.3/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.93	+30 52.4	1.797	2.643	13.3	20.7
12 13	7 13.21	+31 19.2	1.725	2.642	9.7	20.4
12 23	7 2.83	+31 40.4	1.679	2.639	5.8	20.2
1 2	6 50.85	+31 51.2	1.661	2.637	3.3	20.0
1 12	6 38.74	+31 48.5	1.672	2.633	5.6	20.2
1 22	6 27.96	+31 32.8	1.711	2.630	9.6	20.4
2 1	6 19.71	+31 7.0	1.776	2.625	13.3	20.6
2 11	6 14.67	+30 35.2	1.862	2.621	16.4	20.8

417173 2005 WM_{81} 1 2.7 67°.19 0°.3/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.74	+21 55.4	1.799	2.651	13.0	21.4
12 13	7 9.22	+21 56.7	1.740	2.662	9.2	21.1
12 23	7 0.56	+22 0.2	1.706	2.672	4.9	20.9
1 2	6 50.69	+22 4.0	1.700	2.683	0.5	20.6
1 12	6 40.87	+22 6.4	1.723	2.693	4.2	20.9
1 22	6 32.25	+22 7.0	1.774	2.704	8.4	21.2
2 1	6 25.79	+22 6.1	1.851	2.715	12.1	21.4
2 11	6 22.05	+22 4.2	1.950	2.726	15.2	21.7

299407 2005 YA_{36} 1 2.7 187°.26 1°.1/ 3.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.16	+17 54.0	1.858	2.699	13.2	20.9
12 13	7 11.05	+18 25.0	1.784	2.699	9.5	20.6
12 23	7 1.63	+19 3.5	1.735	2.699	5.2	20.4
1 2	6 50.78	+19 46.4	1.715	2.697	1.2	20.1
1 12	6 39.71	+20 30.3	1.725	2.695	4.3	20.3
1 22	6 29.67	+21 12.3	1.765	2.692	8.6	20.6
2 1	6 21.74	+21 50.8	1.831	2.689	12.5	20.8
2 11	6 16.60	+22 25.2	1.919	2.685	15.7	21.0

345201 2005 UB_{65} 1 2.7 113°.42 2°.8/ 2.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 22.37	+27 28.9	1.571	2.423	14.6	21.0
12 13	7 14.27	+28 24.1	1.520	2.441	10.4	20.8
12 23	7 3.37	+29 17.1	1.494	2.458	5.9	20.6
1 2	6 50.89	+30 1.4	1.496	2.475	2.8	20.4
1 12	6 38.45	+30 32.5	1.527	2.491	5.7	20.7
1 22	6 27.63	+30 49.4	1.586	2.507	10.0	20.9
2 1	6 19.60	+30 54.2	1.669	2.522	13.8	21.2
2 11	6 15.01	+30 50.5	1.773	2.536	17.0	21.5

253944 2004 CP_{111} 1 2.7 124°.43 0°.6/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 17.85	+24 4.5	2.010	2.856	12.1	20.8
12 13	7 10.55	+24 15.7	1.950	2.869	8.6	20.6
12 23	7 1.21	+24 27.0	1.917	2.882	4.6	20.4
1 2	6 50.75	+24 35.8	1.912	2.895	0.6	20.1
1 12	6 40.33	+24 40.4	1.938	2.907	4.0	20.4
1 22	6 31.07	+24 40.3	1.993	2.919	7.9	20.7
2 1	6 23.87	+24 36.5	2.074	2.930	11.4	20.9
2 11	6 19.28	+24 30.2	2.178	2.940	14.2	21.1

295422 2008 KS_{7} 1 2.7 195°.62 0°.2/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.29	+21 11.8	1.980	2.828	12.2	21.5
12 13	7 8.92	+21 31.2	1.907	2.827	8.7	21.3
12 23	7 0.44	+21 54.1	1.860	2.826	4.6	21.0
1 2	6 50.70	+22 17.9	1.842	2.825	0.4	20.7
1 12	6 40.83	+22 40.3	1.853	2.824	4.0	21.0
1 22	6 31.93	+22 59.7	1.894	2.822	8.1	21.2
2 1	6 24.98	+23 15.7	1.960	2.820	11.7	21.4
2 11	6 20.61	+23 28.5	2.049	2.819	14.8	21.6

62242 2000 SH_{76} 1 2.7 100°.77 0°.6/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.79	+20 6.2	1.698	2.544	14.0	20.0
12 13	7 12.06	+20 28.2	1.649	2.568	9.9	19.8
12 23	7 2.04	+20 54.5	1.625	2.591	5.3	19.6
1 2	6 50.80	+21 22.0	1.630	2.613	0.7	19.3
1 12	6 39.71	+21 47.9	1.665	2.635	4.4	19.6
1 22	6 30.03	+22 10.4	1.728	2.656	8.7	19.9
2 1	6 22.73	+22 29.2	1.816	2.676	12.5	20.2
2 11	6 18.36	+22 44.7	1.927	2.696	15.6	20.4

309464 2007 VY_{18} 1 2.7 210°.35 0°.6/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.01	+23 25.8	1.930	2.777	12.5	21.9
12 13	7 10.97	+23 48.9	1.852	2.772	8.9	21.7
12 23	7 1.60	+24 13.7	1.800	2.766	4.8	21.4
1 2	6 50.79	+24 36.9	1.776	2.759	0.7	21.1
1 12	6 39.76	+24 55.8	1.783	2.752	4.3	21.3
1 22	6 29.77	+25 9.0	1.819	2.745	8.5	21.6
2 1	6 21.87	+25 16.9	1.881	2.737	12.3	21.8
2 11	6 16.77	+25 20.6	1.964	2.728	15.5	22.0

485056 2010 CB_{173} 1 2.7 184°.90 9°.4/ 1.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 32.90	+50 50.4	2.170	2.950	13.7	21.9
12 13	7 21.91	+51 40.9	2.106	2.951	11.6	21.8
12 23	7 7.52	+52 10.4	2.066	2.951	10.0	21.7
1 2	6 51.18	+52 10.7	2.052	2.950	9.4	21.6
1 12	6 34.96	+51 38.7	2.066	2.948	10.1	21.7
1 22	6 20.80	+50 37.5	2.106	2.945	11.8	21.8
2 1	6 10.10	+49 14.5	2.170	2.941	13.9	21.9
2 11	6 3.48	+47 39.1	2.255	2.937	15.9	22.1

31369 1998 WX_{26} 1 2.7 277°.99 0°.3/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.62	+21 11.3	1.533	2.390	14.7	19.4
12 13	7 11.30	+21 27.5	1.447	2.370	10.6	19.1
12 23	7 2.06	+21 48.7	1.383	2.350	5.7	18.8
1 2	6 50.85	+22 12.0	1.347	2.330	0.5	18.4
1 12	6 39.12	+22 34.0	1.338	2.309	5.1	18.7
1 22	6 28.49	+22 52.6	1.357	2.289	10.3	18.9
2 1	6 20.35	+23 7.4	1.400	2.268	15.0	19.1
2 11	6 15.64	+23 19.0	1.463	2.247	19.0	19.4

90332 2003 FH_{92} 1 2.7 221°.61 1°.1/ 3.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.66	+18 32.8	2.123	2.966	11.7	19.8
12 13	7 8.39	+18 50.4	2.044	2.960	8.4	19.6
12 23	7 0.16	+19 13.6	1.990	2.954	4.6	19.3
1 2	6 50.72	+19 40.2	1.966	2.948	1.2	19.1
1 12	6 41.08	+20 8.3	1.972	2.942	3.9	19.3
1 22	6 32.30	+20 35.7	2.007	2.935	7.7	19.5
2 1	6 25.27	+21 1.6	2.069	2.928	11.3	19.7
2 11	6 20.64	+21 25.2	2.154	2.921	14.2	19.9

242576 2005 GF_{28} 1 2.7 266°.92 2°.7/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.45	+14 56.4	2.295	3.131	11.2	20.2
12 13	7 6.67	+14 39.4	2.214	3.123	8.2	20.0
12 23	6 59.17	+14 28.7	2.158	3.115	5.0	19.8
1 2	6 50.65	+14 24.3	2.131	3.107	2.7	19.6
1 12	6 41.99	+14 25.9	2.134	3.098	4.3	19.7
1 22	6 34.10	+14 32.5	2.166	3.090	7.5	19.9
2 1	6 27.75	+14 43.4	2.225	3.081	10.7	20.1
2 11	6 23.53	+14 57.3	2.307	3.073	13.4	20.2

355410 2007 UX_{87} 1 2.7 130°.97 1°.2/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.24	+25 18.3	1.920	2.766	12.6	22.0
12 13	7 11.66	+25 43.2	1.861	2.780	8.9	21.8
12 23	7 1.87	+26 7.6	1.828	2.793	4.8	21.5
1 2	6 50.83	+26 27.8	1.823	2.805	1.3	21.3
1 12	6 39.82	+26 41.3	1.849	2.817	4.4	21.6
1 22	6 30.04	+26 47.6	1.904	2.828	8.3	21.8
2 1	6 22.47	+26 47.5	1.985	2.839	11.9	22.1
2 11	6 17.69	+26 43.0	2.088	2.849	14.8	22.3

110529 2001 TY_{86} 1 2.7 262°.48 0°.4/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 16.35	+23 50.7	1.809	2.662	12.9	20.0
12 13	7 9.83	+23 56.0	1.737	2.659	9.2	19.7
12 23	7 1.00	+24 2.0	1.690	2.657	4.9	19.5
1 2	6 50.78	+24 6.0	1.671	2.654	0.5	19.1
1 12	6 40.44	+24 6.3	1.681	2.651	4.3	19.4
1 22	6 31.25	+24 2.5	1.719	2.648	8.7	19.7
2 1	6 24.24	+23 55.5	1.783	2.646	12.6	19.9
2 11	6 20.07	+23 46.4	1.868	2.643	15.8	20.1

334993 2004 FR_{134} 1 2.7 9°.93 5°.7/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 10.91	+ 6 41.9	2.022	2.844	13.1	20.1
12 13	7 5.66	+ 6 14.3	1.955	2.845	10.2	19.9
12 23	6 58.65	+ 6 0.6	1.911	2.846	7.5	19.7
1 2	6 50.61	+ 6 2.2	1.893	2.848	5.8	19.6
1 12	6 42.50	+ 6 18.7	1.904	2.851	6.6	19.7
1 22	6 35.25	+ 6 48.4	1.942	2.853	9.1	19.8
2 1	6 29.66	+ 7 28.1	2.006	2.856	11.9	20.0
2 11	6 26.29	+ 8 14.2	2.091	2.860	14.5	20.2

19538 1999 JD_{12} 1 2.7 179°.87 9°.8/ 5.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.28	− 8 15.3	2.310	3.043	14.3	19.2
12 13	7 8.57	− 8 54.8	2.240	3.045	12.5	19.1
12 23	7 0.16	− 9 12.2	2.192	3.046	10.8	19.0
1 2	6 50.73	− 9 4.3	2.168	3.047	9.9	18.9
1 12	6 41.19	− 8 30.6	2.172	3.046	10.0	19.0
1 22	6 32.44	− 7 33.6	2.201	3.045	11.2	19.0
2 1	6 25.27	− 6 18.0	2.256	3.043	13.0	19.1
2 11	6 20.22	− 4 49.8	2.331	3.040	14.8	19.3

98873 2001 BO_{11} 1 2.7 165°.78 1°.3/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.20	+26 15.5	1.831	2.680	13.0	20.1
12 13	7 11.78	+26 21.1	1.763	2.683	9.2	19.9
12 23	7 2.00	+26 24.6	1.721	2.686	5.0	19.6
1 2	6 50.86	+26 23.1	1.706	2.688	1.3	19.4
1 12	6 39.68	+26 14.9	1.722	2.690	4.5	19.6
1 22	6 29.76	+26 0.3	1.766	2.692	8.7	19.9
2 1	6 22.15	+25 41.2	1.836	2.693	12.5	20.1
2 11	6 17.47	+25 19.8	1.927	2.694	15.7	20.3

383760 2007 VT_{221} 1 2.7 89°.96 1°.7/ 3.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.14	+17 56.8	2.329	3.169	10.9	20.4
12 13	7 7.02	+17 39.8	2.264	3.178	7.8	20.2
12 23	6 59.29	+17 26.8	2.224	3.186	4.5	20.0
1 2	6 50.67	+17 17.4	2.214	3.194	1.8	19.9
1 12	6 42.06	+17 11.3	2.235	3.202	3.8	20.0
1 22	6 34.32	+17 7.9	2.284	3.210	7.1	20.2
2 1	6 28.19	+17 7.1	2.361	3.218	10.1	20.5
2 11	6 24.14	+17 8.3	2.461	3.226	12.7	20.7

142925 2002 VU_{58} 1 2.7 124°.02 0°.4/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.97	+20 32.3	1.995	2.840	12.3	20.1
12 13	7 9.96	+20 53.3	1.935	2.853	8.7	19.9
12 23	7 0.94	+21 18.0	1.900	2.866	4.7	19.7
1 2	6 50.78	+21 43.6	1.895	2.878	0.5	19.4
1 12	6 40.62	+22 7.9	1.920	2.890	3.9	19.7
1 22	6 31.55	+22 29.2	1.974	2.902	7.9	19.9
2 1	6 24.46	+22 47.2	2.055	2.913	11.4	20.2
2 11	6 19.93	+23 2.1	2.158	2.923	14.3	20.4

223707 2004 RF_{48} 1 2.7 130°.24 0°.2/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.39	+22 30.0	2.046	2.894	11.9	20.8
12 13	7 8.89	+22 46.7	1.980	2.900	8.4	20.6
12 23	7 0.40	+23 5.4	1.939	2.905	4.5	20.3
1 2	6 50.75	+23 23.6	1.927	2.910	0.3	20.0
1 12	6 41.05	+23 39.1	1.945	2.915	3.9	20.3
1 22	6 32.35	+23 50.9	1.992	2.919	7.8	20.6
2 1	6 25.57	+23 59.1	2.065	2.924	11.3	20.8
2 11	6 21.29	+24 4.2	2.161	2.928	14.2	21.0

245768 2006 FW_{22} 1 2.7 190°.19 1°.2/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.85	+25 12.1	1.963	2.808	12.4	21.6
12 13	7 11.52	+25 36.8	1.889	2.807	8.8	21.4
12 23	7 1.89	+26 1.5	1.841	2.806	4.8	21.2
1 2	6 50.86	+26 22.5	1.822	2.804	1.2	20.9
1 12	6 39.68	+26 37.1	1.833	2.801	4.4	21.1
1 22	6 29.59	+26 44.5	1.874	2.798	8.5	21.4
2 1	6 21.62	+26 45.4	1.940	2.794	12.1	21.6
2 11	6 16.46	+26 41.7	2.029	2.789	15.2	21.8

96499 1998 KE_{55} 1 2.7 251°.70 3°.1/ 3.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.91	+13 53.0	1.839	2.677	13.4	20.0
12 13	7 9.57	+13 53.8	1.752	2.662	10.0	19.8
12 23	7 0.93	+14 4.6	1.690	2.648	6.1	19.5
1 2	6 50.80	+14 24.9	1.656	2.632	3.2	19.3
1 12	6 40.34	+14 52.9	1.651	2.617	5.1	19.4
1 22	6 30.76	+15 26.5	1.674	2.600	9.1	19.6
2 1	6 23.16	+16 3.3	1.723	2.584	13.1	19.8
2 11	6 18.28	+16 41.4	1.794	2.567	16.4	20.0

81264 2000 FF_{45} 1 2.7 270°.50 8°.0/ 4.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 13.36	+ 1 16.1	1.814	2.616	15.1	20.1
12 13	7 7.66	+ 0 55.3	1.737	2.608	12.4	19.9
12 23	6 59.85	+ 0 55.1	1.682	2.600	9.7	19.7
1 2	6 50.72	+ 1 17.8	1.653	2.592	8.1	19.6
1 12	6 41.36	+ 2 3.2	1.650	2.584	8.6	19.6
1 22	6 32.88	+ 3 7.7	1.674	2.575	10.9	19.8
2 1	6 26.27	+ 4 26.2	1.723	2.567	13.9	19.9
2 11	6 22.22	+ 5 52.6	1.793	2.559	16.7	20.1

304073 2006 GK_{21} 1 2.7 207°.08 3°.2/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.81	+14 24.3	1.781	2.621	13.7	21.5
12 13	7 10.12	+14 13.2	1.706	2.617	10.1	21.3
12 23	7 1.16	+14 11.1	1.656	2.613	6.2	21.1
1 2	6 50.81	+14 17.6	1.633	2.609	3.3	20.9
1 12	6 40.29	+14 31.7	1.639	2.604	5.2	21.0
1 22	6 30.82	+14 51.6	1.674	2.599	9.2	21.2
2 1	6 23.43	+15 15.8	1.734	2.594	13.0	21.4
2 11	6 18.82	+15 42.4	1.815	2.588	16.3	21.6

10805 Iwano 1 2.7 352°.31 2°.3/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.32	+24 20.2	1.549	2.411	14.2	16.9
12 13	7 9.60	+25 41.4	1.482	2.408	10.1	16.6
12 23	7 1.12	+27 7.7	1.438	2.405	5.6	16.3
1 2	6 50.82	+28 31.7	1.422	2.403	2.3	16.1
1 12	6 40.18	+29 46.3	1.435	2.401	5.6	16.3
1 22	6 30.70	+30 47.0	1.474	2.400	10.2	16.6
2 1	6 23.72	+31 32.7	1.538	2.399	14.3	16.8
2 11	6 20.06	+32 5.1	1.622	2.399	17.7	17.1

31244 1998 DG_{11} 1 2.7 204°.21 0°.8/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.82	+25 9.7	2.823	3.664	9.2	20.0
12 13	7 6.75	+25 28.9	2.744	3.661	6.5	19.8
12 23	6 59.17	+25 47.9	2.692	3.657	3.5	19.6
1 2	6 50.68	+26 4.6	2.670	3.652	0.9	19.4
1 12	6 42.09	+26 17.5	2.680	3.648	3.2	19.6
1 22	6 34.18	+26 25.7	2.720	3.643	6.2	19.8
2 1	6 27.63	+26 29.6	2.788	3.638	9.0	19.9
2 11	6 22.98	+26 29.8	2.880	3.632	11.3	20.1

279694 2011 FO_{45} 1 2.7 152°.08 0°.0/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.77	+21 43.8	2.284	3.129	10.9	21.5
12 13	7 7.63	+22 3.6	2.213	3.132	7.7	21.3
12 23	6 59.70	+22 26.0	2.168	3.134	4.1	21.0
1 2	6 50.73	+22 48.7	2.153	3.136	0.3	20.7
1 12	6 41.67	+23 9.6	2.169	3.139	3.5	21.0
1 22	6 33.46	+23 27.5	2.214	3.141	7.2	21.2
2 1	6 26.92	+23 42.0	2.285	3.143	10.4	21.4
2 11	6 22.61	+23 53.4	2.380	3.144	13.1	21.6

240372 2003 SS_{222} 1 2.7 56°.50 20°.1/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.19	− 9 40.8	1.002	1.792	25.4	19.7
12 13	7 12.61	−12 44.0	0.968	1.801	22.9	19.6
12 23	7 2.74	−15 4.7	0.950	1.810	21.0	19.5
1 2	6 50.95	−16 29.0	0.950	1.820	20.1	19.5
1 12	6 39.19	−16 51.3	0.968	1.830	20.5	19.6
1 22	6 29.31	−16 15.8	1.003	1.840	21.9	19.7
2 1	6 22.71	−14 54.4	1.053	1.851	23.9	19.9
2 11	6 20.09	−13 2.6	1.116	1.861	25.9	20.1

142990 2002 VZ_{92} 1 2.7 116°.66 1°.9/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.09	+16 52.2	2.050	2.887	12.3	20.8
12 13	7 9.91	+16 55.7	1.994	2.906	8.8	20.6
12 23	7 0.87	+17 5.1	1.963	2.924	5.0	20.4
1 2	6 50.82	+17 19.2	1.962	2.942	1.9	20.2
1 12	6 40.85	+17 36.2	1.991	2.959	4.1	20.4
1 22	6 31.95	+17 54.7	2.050	2.976	7.7	20.7
2 1	6 24.96	+18 13.9	2.136	2.992	11.1	20.9
2 11	6 20.39	+18 32.8	2.244	3.007	13.8	21.1

18698 Racharles 1 2.7 342°.21 1°.8/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.39	+25 24.1	1.342	2.210	15.6	18.5
12 13	7 10.59	+25 56.3	1.276	2.205	11.2	18.2
12 23	7 1.71	+26 29.7	1.232	2.200	6.1	17.9
1 2	6 50.90	+26 59.1	1.214	2.196	1.8	17.7
1 12	6 39.83	+27 20.2	1.222	2.192	5.7	17.9
1 22	6 30.25	+27 31.2	1.256	2.188	10.9	18.2
2 1	6 23.53	+27 33.2	1.313	2.186	15.5	18.4
2 11	6 20.49	+27 28.6	1.388	2.184	19.3	18.7

321024 Gijon 1 2.7 207°.91 1°.5/ 3.0 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.90	+18 17.1	2.480	3.315	10.5	21.1
12 13	7 8.31	+18 7.2	2.397	3.309	7.5	20.9
12 23	7 0.04	+18 0.8	2.341	3.303	4.3	20.7
1 2	6 50.78	+17 57.3	2.315	3.296	1.5	20.5
1 12	6 41.39	+17 55.9	2.320	3.288	3.6	20.7
1 22	6 32.77	+17 56.1	2.356	3.280	7.0	20.9
2 1	6 25.68	+17 57.8	2.419	3.272	10.1	21.0
2 11	6 20.66	+18 0.8	2.506	3.263	12.7	21.2

457125 2008 FF_{52} 1 2.7 227°.79 2°.5/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 17.33	+28 31.9	1.876	2.727	12.6	21.4
12 13	7 10.62	+29 4.4	1.804	2.724	9.1	21.2
12 23	7 1.49	+29 34.4	1.757	2.721	5.2	20.9
1 2	6 50.89	+29 57.4	1.739	2.718	2.5	20.7
1 12	6 40.13	+30 10.4	1.750	2.714	5.1	20.9
1 22	6 30.51	+30 12.6	1.789	2.711	9.0	21.1
2 1	6 23.12	+30 5.5	1.854	2.707	12.6	21.3
2 11	6 18.65	+29 51.9	1.939	2.704	15.7	21.6

344568 2002 XX_{50} 1 2.7 32°.95 1°.8/ 2.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.38	+23 11.2	1.077	1.954	17.9	19.9
12 13	7 11.57	+24 15.5	1.031	1.964	12.7	19.7
12 23	7 2.29	+25 25.2	1.005	1.974	6.8	19.4
1 2	6 50.95	+26 32.0	1.004	1.986	1.8	19.1
1 12	6 39.58	+27 28.5	1.028	1.999	6.3	19.4
1 22	6 30.13	+28 10.8	1.076	2.012	11.9	19.8
2 1	6 24.07	+28 39.0	1.146	2.026	16.7	20.1
2 11	6 22.10	+28 55.7	1.234	2.040	20.7	20.4

207818 2007 TF_{269} 1 2.7 21°.78 0°.8/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.71	+20 4.2	2.096	2.944	11.6	20.6
12 13	7 6.98	+20 11.2	2.027	2.947	8.2	20.4
12 23	6 59.40	+20 22.0	1.984	2.949	4.5	20.1
1 2	6 50.75	+20 34.9	1.969	2.952	0.9	19.9
1 12	6 42.03	+20 48.3	1.984	2.955	3.8	20.1
1 22	6 34.22	+21 1.1	2.028	2.958	7.5	20.3
2 1	6 28.18	+21 12.7	2.099	2.961	10.9	20.6
2 11	6 24.45	+21 23.0	2.191	2.965	13.8	20.8

368053 2012 HM_{42} 1 2.7 287°.08 1°.7/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.38	+17 28.0	1.872	2.719	12.8	21.1
12 13	7 8.37	+17 37.7	1.799	2.717	9.3	20.9
12 23	7 0.23	+17 54.2	1.751	2.715	5.2	20.6
1 2	6 50.81	+18 15.9	1.732	2.713	1.7	20.4
1 12	6 41.24	+18 40.8	1.741	2.710	4.3	20.6
1 22	6 32.65	+19 6.8	1.778	2.708	8.4	20.8
2 1	6 26.03	+19 32.6	1.842	2.706	12.2	21.0
2 11	6 22.00	+19 57.2	1.927	2.704	15.3	21.2

285844 2001 FL_{89} 1 2.7 336°.77 3°.0/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.89	+13 45.9	1.975	2.815	12.6	21.3
12 13	7 7.19	+13 44.2	1.903	2.813	9.3	21.1
12 23	6 59.56	+13 51.6	1.855	2.812	5.7	20.8
1 2	6 50.77	+14 7.8	1.835	2.810	3.1	20.7
1 12	6 41.85	+14 31.3	1.844	2.809	4.7	20.8
1 22	6 33.84	+15 0.1	1.881	2.807	8.3	21.0
2 1	6 27.61	+15 32.2	1.944	2.806	11.7	21.2
2 11	6 23.77	+16 5.6	2.030	2.805	14.7	21.4

153833 2001 XB_{4} 1 2.7 336°.39 14°.7/25.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.52	+47 50.4	1.319	2.155	17.8	18.2
12 13	7 15.71	+51 9.4	1.255	2.131	15.8	18.0
12 23	7 5.70	+54 14.3	1.214	2.108	14.7	17.9
1 2	6 51.27	+56 45.3	1.197	2.087	15.2	17.8
1 12	6 34.84	+58 27.0	1.202	2.067	17.0	17.9
1 22	6 19.84	+59 15.5	1.226	2.049	19.6	18.0
2 1	6 9.55	+59 17.2	1.267	2.032	22.3	18.1
2 11	6 5.85	+58 44.7	1.320	2.017	24.7	18.3

226077 2002 JD_{138} 1 2.8 173°.71 1°.4/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.69	+19 5.1	1.660	2.505	14.3	22.0
12 13	7 13.00	+19 5.0	1.591	2.508	10.3	21.8
12 23	7 2.76	+19 10.0	1.547	2.511	5.7	21.5
1 2	6 51.01	+19 18.1	1.531	2.513	1.5	21.2
1 12	6 39.16	+19 27.5	1.545	2.514	4.8	21.5
1 22	6 28.60	+19 37.1	1.586	2.515	9.4	21.7
2 1	6 20.47	+19 46.5	1.654	2.514	13.5	22.0
2 11	6 15.44	+19 55.9	1.742	2.513	16.9	22.2

25071 1998 QN_{92} 1 2.8 69°.03 7°.0/ 1.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.99	+41 57.8	1.994	2.821	13.0	17.6
12 13	7 13.19	+42 49.7	1.948	2.838	10.3	17.5
12 23	7 2.80	+43 27.1	1.926	2.855	7.9	17.4
1 2	6 51.00	+43 44.1	1.931	2.872	7.0	17.3
1 12	6 39.33	+43 38.1	1.963	2.888	8.0	17.4
1 22	6 29.23	+43 10.9	2.023	2.905	10.3	17.6
2 1	6 21.76	+42 27.2	2.106	2.922	12.8	17.8
2 11	6 17.52	+41 33.2	2.211	2.939	15.0	18.0

408051 2012 FM_{73} 1 2.8 354°.81 3°.6/ 3.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.34	+13 1.7	1.346	2.204	16.2	19.8
12 13	7 7.53	+13 21.1	1.279	2.199	12.0	19.6
12 23	7 0.02	+13 56.5	1.235	2.196	7.4	19.3
1 2	6 50.82	+14 46.2	1.215	2.193	3.7	19.1
1 12	6 41.38	+15 46.2	1.222	2.191	5.8	19.2
1 22	6 33.18	+16 51.4	1.254	2.190	10.5	19.5
2 1	6 27.46	+17 57.1	1.310	2.191	15.0	19.7
2 11	6 25.00	+18 59.6	1.386	2.192	18.8	20.0

205577 2001 TO_{47} 1 2.8 182°.88 3°.1/ 3.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 11.45	+11 52.7	2.412	3.240	11.0	20.4
12 13	7 5.90	+11 57.6	2.337	3.240	8.2	20.2
12 23	6 58.78	+12 11.7	2.288	3.240	5.2	20.0
1 2	6 50.73	+12 34.4	2.268	3.240	3.2	19.8
1 12	6 42.58	+13 4.5	2.278	3.240	4.3	19.9
1 22	6 35.15	+13 39.9	2.317	3.239	7.2	20.1
2 1	6 29.15	+14 18.6	2.384	3.239	10.1	20.3
2 11	6 25.12	+14 58.5	2.474	3.239	12.6	20.5

447704 2007 EP_{42} 1 2.8 242°.01 3°.2/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.84	+29 22.9	1.571	2.425	14.5	21.4
12 13	7 13.60	+29 56.9	1.495	2.416	10.5	21.2
12 23	7 3.31	+30 27.4	1.443	2.406	6.2	20.9
1 2	6 51.07	+30 48.5	1.418	2.396	3.2	20.7
1 12	6 38.50	+30 56.2	1.422	2.386	6.0	20.8
1 22	6 27.31	+30 49.8	1.452	2.375	10.6	21.1
2 1	6 18.89	+30 32.1	1.507	2.364	14.8	21.3
2 11	6 14.07	+30 7.2	1.582	2.353	18.4	21.5

327884 2007 BX_{6} 1 2.8 308°.84 4°.9/ 4.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.10	+ 8 20.4	1.754	2.584	14.3	20.2
12 13	7 7.63	+ 8 32.7	1.674	2.574	11.0	20.0
12 23	6 59.94	+ 9 1.8	1.618	2.564	7.5	19.7
1 2	6 50.84	+ 9 47.5	1.588	2.555	5.1	19.6
1 12	6 41.45	+10 47.5	1.586	2.546	6.2	19.6
1 22	6 32.95	+11 57.5	1.612	2.537	9.6	19.8
2 1	6 26.40	+13 12.9	1.664	2.528	13.3	20.0
2 11	6 22.51	+14 29.0	1.737	2.520	16.5	20.2

200093 1994 RJ_{26} 1 2.8 78°.75 1°.5/ 2.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.55	+19 27.9	1.375	2.232	16.0	20.7
12 13	7 12.33	+19 20.6	1.325	2.248	11.4	20.5
12 23	7 2.40	+19 18.9	1.298	2.264	6.3	20.2
1 2	6 51.00	+19 20.9	1.297	2.279	1.6	20.0
1 12	6 39.75	+19 25.0	1.324	2.295	5.2	20.2
1 22	6 30.15	+19 30.0	1.378	2.311	10.1	20.6
2 1	6 23.33	+19 35.9	1.455	2.326	14.4	20.9
2 11	6 19.87	+19 42.3	1.553	2.341	17.9	21.1

295148 2008 FO_{51} 1 2.8 159°.98 5°.2/ 4.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.99	+ 6 18.2	2.327	3.134	12.0	22.0
12 13	7 7.66	+ 6 0.5	2.258	3.140	9.4	21.9
12 23	6 59.71	+ 5 55.4	2.213	3.146	6.8	21.7
1 2	6 50.82	+ 6 3.7	2.197	3.151	5.2	21.6
1 12	6 41.87	+ 6 25.0	2.211	3.155	5.9	21.7
1 22	6 33.72	+ 6 57.2	2.253	3.159	8.2	21.8
2 1	6 27.11	+ 7 37.8	2.322	3.163	10.9	22.0
2 11	6 22.55	+ 8 23.5	2.414	3.166	13.3	22.2

182592 Jolana 1 2.8 233°.09 2°.4/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.83	+15 13.7	1.917	2.758	12.9	20.6
12 13	7 8.69	+15 23.1	1.840	2.753	9.4	20.3
12 23	7 0.43	+15 41.3	1.788	2.748	5.6	20.1
1 2	6 50.88	+16 7.0	1.764	2.742	2.5	19.9
1 12	6 41.12	+16 38.1	1.769	2.737	4.6	20.0
1 22	6 32.29	+17 12.4	1.803	2.731	8.5	20.2
2 1	6 25.35	+17 47.8	1.863	2.725	12.2	20.5
2 11	6 20.98	+18 22.6	1.945	2.719	15.3	20.7

38770 2000 RT_{8} 1 2.8 34°.47 2°.8/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.21	+16 12.9	1.485	2.341	15.1	17.9
12 13	7 8.41	+16 3.3	1.435	2.356	10.9	17.7
12 23	7 0.27	+16 2.6	1.409	2.371	6.4	17.5
1 2	6 50.85	+16 10.0	1.408	2.387	2.8	17.3
1 12	6 41.54	+16 23.9	1.435	2.404	5.2	17.5
1 22	6 33.59	+16 42.2	1.489	2.422	9.5	17.8
2 1	6 28.01	+17 3.4	1.567	2.440	13.4	18.1
2 11	6 25.36	+17 25.5	1.665	2.458	16.7	18.4

129847 1999 RH_{40} 1 2.8 146°.62 0°.3/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.80	+24 14.2	1.878	2.724	12.9	20.2
12 13	7 12.11	+24 7.1	1.813	2.732	9.1	20.0
12 23	7 2.18	+23 59.0	1.774	2.740	4.9	19.7
1 2	6 51.02	+23 48.2	1.764	2.747	0.5	19.4
1 12	6 39.90	+23 33.7	1.784	2.754	4.2	19.7
1 22	6 30.03	+23 15.9	1.833	2.760	8.4	20.0
2 1	6 22.41	+22 56.4	1.908	2.766	12.1	20.2
2 11	6 17.61	+22 36.9	2.006	2.771	15.2	20.5

165841 2001 RC_{147} 1 2.8 131°.66 4°.2/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.81	+11 0.9	2.340	3.164	11.4	19.6
12 13	7 6.84	+10 20.6	2.268	3.166	8.6	19.5
12 23	6 59.28	+ 9 48.5	2.222	3.167	5.9	19.3
1 2	6 50.82	+ 9 25.9	2.205	3.169	4.2	19.2
1 12	6 42.31	+ 9 13.3	2.218	3.171	5.2	19.3
1 22	6 34.60	+ 9 10.2	2.259	3.172	7.9	19.4
2 1	6 28.41	+ 9 15.6	2.327	3.174	10.6	19.6
2 11	6 24.24	+ 9 27.5	2.418	3.175	13.1	19.8

170403 2003 TZ_{49} 1 2.8 35°.95 7°.0/31.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 19.79	+33 45.5	1.275	2.139	16.5	18.9
12 13	7 13.35	+35 37.5	1.231	2.150	12.4	18.7
12 23	7 3.34	+37 21.6	1.209	2.163	8.6	18.5
1 2	6 51.11	+38 45.9	1.213	2.175	7.1	18.4
1 12	6 38.73	+39 42.4	1.242	2.189	9.3	18.6
1 22	6 28.24	+40 9.7	1.296	2.203	13.0	18.8
2 1	6 21.20	+40 12.2	1.372	2.218	16.7	19.1
2 11	6 18.37	+39 57.0	1.466	2.233	19.8	19.4

378895 2008 UF_{32} 1 2.8 342°.12 1°.8/ 2.3 18

12 3	7 13.75	+25 53.7	1.810	2.668	12.7	20.5
12 13	7 8.17	+26 32.6	1.738	2.662	9.0	20.2
12 23	7 0.26	+27 12.3	1.690	2.656	5.0	20.0
1 2	6 50.90	+27 48.5	1.670	2.651	1.8	19.8
1 12	6 41.31	+28 17.5	1.679	2.646	4.8	19.9
1 22	6 32.77	+28 37.6	1.715	2.642	8.9	20.2
2 1	6 26.35	+28 48.9	1.776	2.638	12.6	20.4
2 11	6 22.77	+28 53.1	1.858	2.635	15.8	20.6

225441 2000 DJ_{6} 1 2.8 13°.82 0°.7/ 2.9 18

12 3	7 17.13	+18 51.7	1.261	2.126	16.6	19.8
12 13	7 11.14	+19 31.7	1.199	2.126	11.9	19.6
12 23	7 2.06	+20 21.9	1.160	2.128	6.5	19.3
1 2	6 51.03	+21 17.5	1.146	2.129	0.9	18.9
1 12	6 39.77	+22 12.9	1.159	2.131	5.4	19.2
1 22	6 30.01	+23 3.5	1.197	2.133	10.9	19.5
2 1	6 23.16	+23 47.2	1.259	2.136	15.7	19.8
2 11	6 20.01	+24 23.5	1.339	2.138	19.7	20.1

344230 2001 SR_{10} 1 2.8 25°.69 12°.8/ 9.7 18

12 3	7 11.02	−13 4.8	1.703	2.437	18.6	19.5
12 13	7 5.93	−13 19.5	1.656	2.454	16.5	19.4
12 23	6 58.90	−13 0.2	1.627	2.471	14.5	19.3
1 2	6 50.80	−12 3.8	1.619	2.489	13.1	19.3
1 12	6 42.75	−10 32.2	1.634	2.508	12.8	19.3
1 22	6 35.81	− 8 31.7	1.673	2.528	13.6	19.4
2 1	6 30.82	− 6 11.5	1.736	2.549	15.2	19.6
2 11	6 28.32	− 3 41.8	1.820	2.570	17.0	19.8

252246 2001 QB_{82} 1 2.8 46°.30 3°.4/ 2.8 16

12 3	7 23.22	+32 25.2	1.360	2.217	16.1	19.3
12 13	7 14.79	+32 9.3	1.325	2.246	11.6	19.1
12 23	7 3.58	+31 43.0	1.313	2.275	6.8	18.9
1 2	6 51.13	+31 3.4	1.328	2.305	3.5	18.8
1 12	6 39.31	+30 11.3	1.370	2.336	5.9	19.0
1 22	6 29.67	+29 11.1	1.439	2.366	10.2	19.3
2 1	6 23.18	+28 8.2	1.532	2.397	14.1	19.6
2 11	6 20.23	+27 7.2	1.646	2.428	17.3	19.9

319723 2006 UX_{80} 1 2.8 43°.70 0°.8/ 2.9 18

12 3	7 15.73	+19 45.1	1.579	2.435	14.3	21.0
12 13	7 9.58	+20 1.0	1.518	2.441	10.2	20.8
12 23	7 1.00	+20 22.7	1.481	2.448	5.5	20.5
1 2	6 50.97	+20 47.4	1.472	2.454	1.0	20.2
1 12	6 40.89	+21 12.4	1.490	2.461	4.6	20.5
1 22	6 32.08	+21 35.6	1.535	2.468	9.2	20.8
2 1	6 25.63	+21 56.0	1.606	2.476	13.3	21.1
2 11	6 22.19	+22 13.6	1.697	2.483	16.7	21.3

285988 2001 RA_{156} 1 2.8 27°.81 1°.5/ 2.9 18

12 3	7 15.34	+19 22.7	1.519	2.378	14.7	20.8
12 13	7 9.33	+19 14.1	1.460	2.383	10.5	20.6
12 23	7 0.86	+19 10.8	1.423	2.389	5.8	20.3
1 2	6 50.97	+19 11.4	1.414	2.396	1.6	20.1
1 12	6 41.07	+19 14.6	1.432	2.403	4.8	20.3
1 22	6 32.50	+19 19.3	1.477	2.410	9.5	20.6
2 1	6 26.35	+19 25.1	1.546	2.418	13.6	20.8
2 11	6 23.23	+19 31.7	1.635	2.426	17.0	21.1

61024 2000 KJ_{52} 1 2.8 65°.40 4°.6/ 3.7 18

12 3	7 12.46	+ 9 30.3	2.130	2.955	12.4	18.6
12 13	7 6.68	+ 9 4.4	2.068	2.965	9.4	18.5
12 23	6 59.23	+ 8 49.7	2.032	2.975	6.5	18.3
1 2	6 50.85	+ 8 46.8	2.023	2.986	4.7	18.2
1 12	6 42.47	+ 8 55.4	2.043	2.997	5.6	18.3
1 22	6 34.99	+ 9 14.0	2.092	3.007	8.3	18.5
2 1	6 29.15	+ 9 40.4	2.166	3.018	11.1	18.7
2 11	6 25.46	+10 12.0	2.263	3.029	13.7	18.9

205320 2000 UK_{25} 1 2.8 67°.19 3°.7/ 3.6 18

12 3	7 18.19	+13 24.8	1.393	2.242	16.4	20.1
12 13	7 11.23	+13 28.1	1.351	2.266	11.9	19.9
12 23	7 1.78	+13 44.4	1.331	2.290	7.2	19.6
1 2	6 51.03	+14 12.1	1.337	2.314	3.8	19.5
1 12	6 40.47	+14 48.0	1.371	2.338	5.8	19.7
1 22	6 31.49	+15 28.6	1.432	2.362	10.0	20.0
2 1	6 25.12	+16 11.0	1.516	2.386	14.0	20.3
2 11	6 21.88	+16 52.5	1.622	2.409	17.3	20.6

502124 2015 BG_{13} 1 2.8 262°.67 1°.8/ 3.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 12.60	+15 26.2	2.245	3.083	11.3	21.2
12 13	7 6.89	+15 50.8	2.170	3.082	8.2	21.0
12 23	6 59.41	+16 23.3	2.120	3.081	4.8	20.8
1 2	6 50.88	+17 2.2	2.100	3.079	1.9	20.6
1 12	6 42.19	+17 44.9	2.109	3.078	3.8	20.7
1 22	6 34.27	+18 28.9	2.148	3.076	7.3	20.9
2 1	6 27.93	+19 12.3	2.215	3.075	10.6	21.1
2 11	6 23.76	+19 53.5	2.305	3.074	13.3	21.3

223529 2004 DK_{42} 1 2.8 359°.99 8°.9/ 4.3 18

12 3	7 12.84	+ 6 24.1	1.028	1.884	20.2	19.2
12 13	7 8.32	+ 5 40.3	0.972	1.881	16.0	19.0
12 23	7 0.64	+ 5 21.5	0.934	1.880	11.7	18.7
1 2	6 50.97	+ 5 31.9	0.918	1.879	9.1	18.6
1 12	6 41.10	+ 6 10.9	0.924	1.880	10.1	18.7
1 22	6 32.82	+ 7 13.5	0.953	1.881	14.0	18.9
2 1	6 27.53	+ 8 31.6	1.002	1.884	18.3	19.1
2 11	6 26.06	+ 9 56.5	1.068	1.889	22.2	19.4

331827 2003 TD_{17} 1 2.8 193°.74 5°.4/ 3.9 18

12 3	7 12.75	+ 5 59.8	2.403	3.209	11.7	21.3
12 13	7 6.82	+ 5 28.0	2.327	3.207	9.2	21.2
12 23	6 59.31	+ 5 8.0	2.277	3.206	6.8	21.0
1 2	6 50.88	+ 5 1.3	2.254	3.204	5.4	20.9
1 12	6 42.35	+ 5 8.1	2.261	3.201	6.1	21.0
1 22	6 34.54	+ 5 27.1	2.297	3.199	8.3	21.1
2 1	6 28.18	+ 5 56.2	2.359	3.196	10.9	21.3
2 11	6 23.79	+ 6 32.4	2.443	3.193	13.2	21.4

150555 2000 SK_{206} 1 2.8 51°.47 1°.8/ 2.4 18

12 3	7 17.08	+26 9.1	1.605	2.463	14.0	19.6
12 13	7 10.46	+26 39.5	1.557	2.482	9.9	19.4
12 23	7 1.41	+27 8.8	1.534	2.500	5.4	19.2
1 2	6 51.03	+27 32.6	1.538	2.520	1.8	19.0
1 12	6 40.76	+27 48.1	1.571	2.539	4.9	19.2
1 22	6 31.96	+27 54.6	1.631	2.559	9.2	19.5
2 1	6 25.63	+27 53.4	1.715	2.579	12.9	19.8
2 11	6 22.35	+27 46.9	1.820	2.599	16.0	20.0

301179 2008 YA_{128} 1 2.8 85°.32 1°.7/ 2.6 18

12 3	7 21.22	+27 3.6	1.538	2.392	14.7	20.8
12 13	7 13.41	+27 8.9	1.488	2.410	10.4	20.5
12 23	7 2.97	+27 10.9	1.462	2.428	5.7	20.3
1 2	6 51.15	+27 6.2	1.464	2.446	1.7	20.1
1 12	6 39.54	+26 53.4	1.494	2.463	5.0	20.4
1 22	6 29.61	+26 33.3	1.552	2.480	9.5	20.7
2 1	6 22.42	+26 8.7	1.635	2.498	13.5	20.9
2 11	6 18.52	+25 42.4	1.738	2.514	16.8	21.2

90463 Johnrichard 1 2.8 264°.03 0°.0/ 2.8 18

12 3	7 14.34	+23 35.8	2.308	3.154	10.8	20.3
12 13	7 8.08	+23 25.7	2.231	3.149	7.7	20.1
12 23	7 0.03	+23 15.3	2.179	3.145	4.1	19.9
1 2	6 50.95	+23 3.6	2.158	3.141	0.3	19.5
1 12	6 41.79	+22 49.7	2.166	3.137	3.5	19.8
1 22	6 33.51	+22 34.0	2.205	3.132	7.2	20.0
2 1	6 26.92	+22 17.1	2.270	3.128	10.4	20.2
2 11	6 22.56	+22 0.1	2.359	3.124	13.2	20.4

299412 2005 YO_{59} 1 2.8 259°.80 0°.3/ 2.8 18

12 3	7 19.74	+24 15.8	1.597	2.451	14.3	21.2
12 13	7 12.67	+24 4.7	1.516	2.438	10.3	20.9
12 23	7 2.81	+23 52.6	1.458	2.425	5.6	20.6
1 2	6 51.17	+23 37.2	1.429	2.412	0.5	20.2
1 12	6 39.27	+23 17.4	1.428	2.398	4.9	20.5
1 22	6 28.63	+22 53.8	1.454	2.385	9.9	20.7
2 1	6 20.54	+22 28.4	1.506	2.371	14.3	21.0
2 11	6 15.77	+22 3.6	1.578	2.357	18.1	21.2

377259 2004 CV_{85} 1 2.8 326°.48 0°.2/ 2.8 18

12 3	7 12.74	+21 20.6	1.973	2.826	12.0	20.7
12 13	7 7.28	+21 36.2	1.894	2.816	8.6	20.4
12 23	6 59.76	+21 55.3	1.841	2.807	4.6	20.2
1 2	6 50.95	+22 15.9	1.815	2.798	0.4	19.8
1 12	6 41.94	+22 35.5	1.819	2.790	4.0	20.1
1 22	6 33.82	+22 52.8	1.851	2.782	8.1	20.3
2 1	6 27.56	+23 7.2	1.908	2.774	11.7	20.5
2 11	6 23.81	+23 18.7	1.988	2.767	14.9	20.7

28733 2000 GY_{124} 1 2.8 219°.80 4°.0/ 3.9 18

12 3	7 11.72	+ 9 0.0	2.517	3.333	10.9	19.6
12 13	7 6.09	+ 8 53.2	2.436	3.329	8.4	19.4
12 23	6 58.95	+ 8 56.7	2.381	3.324	5.8	19.3
1 2	6 50.89	+ 9 10.7	2.355	3.318	4.1	19.1
1 12	6 42.70	+ 9 34.6	2.359	3.313	4.9	19.2
1 22	6 35.17	+10 6.6	2.392	3.307	7.4	19.3
2 1	6 28.99	+10 44.6	2.453	3.301	10.1	19.5
2 11	6 24.71	+11 26.2	2.537	3.295	12.5	19.7

70327 1999 RQ_{160} 1 2.8 32.°18 1.°9/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 17.08	+25 29.9	1.242	2.113	16.4	18.3
12 13	7 11.06	+26 5.1	1.193	2.124	11.6	18.0
12 23	7 1.97	+26 40.7	1.167	2.135	6.3	17.8
1 2	6 51.11	+27 11.0	1.166	2.147	2.0	17.5
1 12	6 40.31	+27 31.8	1.190	2.160	5.8	17.8
1 22	6 31.27	+27 42.0	1.240	2.174	10.8	18.1
2 1	6 25.26	+27 42.9	1.313	2.189	15.3	18.4
2 11	6 22.93	+27 37.3	1.405	2.204	19.0	18.7

402705 2006 VD_{110} 1 2.8 59.°05 2.°2/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.27	+27 55.8	1.531	2.388	14.6	20.8
12 13	7 12.06	+28 11.3	1.485	2.408	10.4	20.6
12 23	7 2.27	+28 23.1	1.462	2.428	5.8	20.4
1 2	6 51.13	+28 27.2	1.467	2.448	2.2	20.2
1 12	6 40.20	+28 21.7	1.500	2.468	5.2	20.5
1 22	6 30.91	+28 7.3	1.560	2.488	9.5	20.8
2 1	6 24.31	+27 46.5	1.644	2.508	13.4	21.1
2 11	6 20.94	+27 22.4	1.750	2.529	16.6	21.3

309357 2007 TJ_{69} 1 2.8 103.°05 0.°3/ 2.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.29	+21 28.2	1.740	2.588	13.6	22.2
12 13	7 11.82	+21 39.5	1.687	2.607	9.6	21.9
12 23	7 2.08	+21 53.6	1.660	2.625	5.1	21.7
1 2	6 51.13	+22 7.8	1.660	2.644	0.5	21.4
1 12	6 40.28	+22 20.0	1.691	2.661	4.3	21.7
1 22	6 30.79	+22 29.1	1.750	2.679	8.6	22.0
2 1	6 23.62	+22 35.5	1.835	2.696	12.4	22.3
2 11	6 19.32	+22 39.8	1.941	2.712	15.4	22.6

423148 2004 EA_{33} 1 2.8 266.°54 5.°6/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.15	+41 15.8	2.504	3.325	10.9	21.1
12 13	7 11.71	+41 40.2	2.423	3.311	8.6	20.9
12 23	7 2.08	+41 53.1	2.366	3.298	6.5	20.8
1 2	6 51.14	+41 49.9	2.339	3.284	5.6	20.7
1 12	6 40.09	+41 28.7	2.340	3.271	6.6	20.7
1 22	6 30.12	+40 50.4	2.370	3.257	8.8	20.8
2 1	6 22.21	+39 58.3	2.426	3.243	11.2	21.0
2 11	6 16.99	+38 57.5	2.504	3.229	13.5	21.1

283162 2009 BV_{172} 1 2.8 344.°23 0.°2/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.33	+22 35.5	2.288	3.134	10.8	20.6
12 13	7 7.38	+22 31.5	2.214	3.133	7.7	20.4
12 23	6 59.68	+22 28.4	2.166	3.132	4.1	20.1
1 2	6 50.96	+22 24.9	2.148	3.131	0.4	19.8
1 12	6 42.18	+22 20.2	2.160	3.130	3.5	20.1
1 22	6 34.27	+22 13.9	2.201	3.130	7.1	20.3
2 1	6 28.01	+22 6.4	2.269	3.129	10.4	20.5
2 11	6 23.96	+21 58.4	2.361	3.129	13.1	20.7

394377 2007 DN_{89} 1 2.8 241.°77 0.°9/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.27	+24 29.7	1.646	2.497	14.1	22.2
12 13	7 13.08	+24 45.0	1.563	2.484	10.1	21.9
12 23	7 3.07	+25 1.1	1.505	2.471	5.5	21.6
1 2	6 51.22	+25 14.1	1.474	2.457	1.0	21.2
1 12	6 39.02	+25 21.1	1.473	2.443	4.9	21.5
1 22	6 27.99	+25 21.3	1.499	2.428	9.8	21.7
2 1	6 19.46	+25 15.6	1.551	2.412	14.2	22.0
2 11	6 14.26	+25 6.4	1.623	2.396	17.9	22.2

196637 2003 SF_{8} 1 2.8 104.°35 0.°6/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.53	+20 44.8	2.111	2.957	11.6	20.6
12 13	7 8.29	+20 50.5	2.044	2.963	8.3	20.4
12 23	7 0.18	+20 59.2	2.003	2.969	4.5	20.2
1 2	6 51.00	+21 9.2	1.991	2.974	0.7	19.9
1 12	6 41.77	+21 18.9	2.009	2.980	3.7	20.1
1 22	6 33.51	+21 27.5	2.056	2.985	7.5	20.4
2 1	6 27.04	+21 34.6	2.130	2.990	10.9	20.6
2 11	6 22.93	+21 40.4	2.226	2.996	13.7	20.8

383740 2007 VY_{47} 1 2.8 71.°49 0.°4/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.78	+24 11.6	2.222	3.069	11.1	21.5
12 13	7 8.31	+24 10.1	2.165	3.084	7.8	21.3
12 23	7 0.11	+24 8.3	2.134	3.100	4.2	21.1
1 2	6 50.99	+24 4.6	2.132	3.115	0.5	20.8
1 12	6 41.95	+23 58.1	2.161	3.131	3.6	21.1
1 22	6 33.92	+23 48.7	2.219	3.147	7.1	21.3
2 1	6 27.68	+23 37.3	2.304	3.162	10.3	21.6
2 11	6 23.71	+23 24.8	2.412	3.178	12.9	21.8

131472 2001 RV_{67} 1 2.8 173.°14 5.°3/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.11	+ 2 48.5	2.978	3.764	10.2	20.2
12 13	7 5.42	+ 2 21.3	2.904	3.766	8.2	20.1
12 23	6 58.51	+ 2 5.7	2.856	3.769	6.4	19.9
1 2	6 50.88	+ 2 2.8	2.836	3.771	5.4	19.9
1 12	6 43.19	+ 2 12.8	2.846	3.772	5.8	19.9
1 22	6 36.08	+ 2 34.4	2.885	3.773	7.4	20.0
2 1	6 30.12	+ 3 5.7	2.951	3.774	9.3	20.2
2 11	6 25.74	+ 3 44.0	3.040	3.774	11.2	20.3

446867 2001 XA_{77} 1 2.8 36.°44 2.°8/ 2.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 17.96	+24 45.8	1.096	1.972	17.7	20.7
12 13	7 11.99	+26 6.3	1.054	1.986	12.5	20.4
12 23	7 2.60	+27 29.7	1.034	2.002	6.9	20.2
1 2	6 51.18	+28 46.4	1.038	2.018	2.8	20.0
1 12	6 39.79	+29 48.4	1.067	2.036	6.7	20.3
1 22	6 30.37	+30 32.3	1.122	2.054	11.9	20.6
2 1	6 24.34	+30 59.0	1.198	2.073	16.5	21.0
2 11	6 22.36	+31 12.1	1.292	2.092	20.2	21.3

31708 1999 JL_{49} 1 2.8 259.°23 2.°6/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.27	+15 41.0	2.123	2.960	12.0	19.2
12 13	7 8.97	+15 26.7	2.031	2.941	8.8	19.0
12 23	7 0.66	+15 18.6	1.964	2.922	5.3	18.7
1 2	6 51.06	+15 16.4	1.925	2.903	2.6	18.5
1 12	6 41.17	+15 19.7	1.917	2.883	4.5	18.6
1 22	6 32.05	+15 27.6	1.938	2.863	8.2	18.8
2 1	6 24.63	+15 39.3	1.986	2.842	11.8	19.0
2 11	6 19.60	+15 53.7	2.056	2.821	14.9	19.1

164702 1998 BH_{6} 1 2.8 208.°16 0.°6/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.70	+23 33.0	1.921	2.767	12.6	21.2
12 13	7 11.57	+23 54.8	1.843	2.762	9.0	20.9
12 23	7 2.10	+24 18.1	1.791	2.756	4.8	20.7
1 2	6 51.16	+24 39.6	1.767	2.750	0.7	20.4
1 12	6 40.01	+24 56.7	1.774	2.743	4.3	20.6
1 22	6 29.90	+25 8.1	1.809	2.736	8.6	20.9
2 1	6 21.90	+25 14.1	1.871	2.728	12.4	21.1
2 11	6 16.73	+25 16.1	1.955	2.719	15.6	21.3

495684 2016 BS_{45} 1 2.8 103.°84 1.°7/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.19	+16 52.3	1.818	2.664	13.2	21.3
12 13	7 9.03	+17 10.7	1.750	2.667	9.5	21.1
12 23	7 0.69	+17 37.1	1.707	2.670	5.4	20.8
1 2	6 51.06	+18 9.4	1.692	2.673	1.8	20.6
1 12	6 41.29	+18 44.8	1.705	2.675	4.4	20.8
1 22	6 32.57	+19 20.9	1.748	2.678	8.5	21.0
2 1	6 25.87	+19 55.7	1.816	2.681	12.3	21.3
2 11	6 21.84	+20 28.2	1.906	2.683	15.4	21.5

68124 2001 AF_{15} 1 2.8 320.°11 5.°7/ 4.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.51	+ 5 44.2	1.874	2.693	14.0	19.3
12 13	7 7.11	+ 5 53.2	1.796	2.686	11.0	19.1
12 23	6 59.68	+ 6 19.9	1.742	2.680	7.9	18.9
1 2	6 50.99	+ 7 4.7	1.714	2.673	5.8	18.8
1 12	6 42.06	+ 8 5.7	1.714	2.667	6.5	18.8
1 22	6 33.98	+ 9 18.6	1.742	2.661	9.4	19.0
2 1	6 27.69	+10 38.7	1.796	2.655	12.7	19.1
2 11	6 23.87	+12 1.0	1.873	2.650	15.7	19.3

363125 2001 PS_{54} 1 2.8 86.°37 0.°3/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.32	+21 42.4	1.803	2.651	13.2	21.5
12 13	7 11.03	+21 46.4	1.754	2.673	9.3	21.3
12 23	7 1.63	+21 52.6	1.729	2.695	5.0	21.1
1 2	6 51.12	+21 58.8	1.733	2.716	0.5	20.8
1 12	6 40.77	+22 3.4	1.767	2.738	4.1	21.1
1 22	6 31.74	+22 5.9	1.829	2.758	8.3	21.4
2 1	6 24.92	+22 6.7	1.918	2.779	11.9	21.7
2 11	6 20.84	+22 6.3	2.028	2.799	14.8	21.9

193826 2001 QM_{32} 1 2.8 66.°37 0.°4/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.81	+24 10.4	2.138	2.987	11.4	19.8
12 13	7 8.41	+24 13.8	2.082	3.002	8.0	19.6
12 23	7 0.20	+24 17.0	2.051	3.017	4.3	19.4
1 2	6 51.02	+24 18.3	2.050	3.033	0.5	19.2
1 12	6 41.91	+24 16.5	2.078	3.048	3.7	19.5
1 22	6 33.86	+24 11.3	2.136	3.064	7.3	19.7
2 1	6 27.64	+24 3.4	2.220	3.080	10.6	19.9
2 11	6 23.77	+23 53.9	2.327	3.095	13.3	20.2

196356 2003 FV_{103} 1 2.8 234.°88 4.°9/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.81	+11 32.5	1.569	2.408	15.3	20.3
12 13	7 10.43	+11 6.3	1.496	2.404	11.6	20.1
12 23	7 1.55	+10 52.4	1.447	2.399	7.6	19.8
1 2	6 51.14	+10 52.1	1.424	2.394	5.0	19.7
1 12	6 40.51	+11 4.7	1.429	2.390	6.5	19.8
1 22	6 31.04	+11 28.5	1.461	2.385	10.4	20.0
2 1	6 23.86	+12 0.6	1.517	2.379	14.4	20.2
2 11	6 19.69	+12 38.0	1.593	2.374	17.8	20.4

381688 2009 CG_{1} 1 2.8 322.°37 2.°4/ 3.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.64	+15 7.2	2.047	2.890	12.1	20.9
12 13	7 6.42	+15 12.4	1.965	2.878	8.8	20.7
12 23	6 59.29	+15 25.8	1.908	2.868	5.3	20.4
1 2	6 50.97	+15 46.7	1.879	2.857	2.5	20.2
1 12	6 42.44	+16 13.5	1.880	2.847	4.3	20.3
1 22	6 34.70	+16 44.1	1.908	2.837	8.0	20.5
2 1	6 28.65	+17 16.6	1.963	2.828	11.5	20.7
2 11	6 24.93	+17 49.5	2.040	2.819	14.5	20.9

272137 2005 MO_{48} 1 2.8 170°.84 2°.7/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 19.70	+15 42.4	1.716	2.555	14.2	22.1
12 13	7 12.26	+15 35.1	1.647	2.559	10.4	21.9
12 23	7 2.44	+15 35.8	1.603	2.563	6.1	21.6
1 2	6 51.20	+15 43.6	1.587	2.565	2.8	21.4
1 12	6 39.86	+15 57.2	1.600	2.567	5.1	21.6
1 22	6 29.72	+16 14.8	1.642	2.568	9.3	21.8
2 1	6 21.85	+16 35.1	1.710	2.569	13.2	22.1
2 11	6 16.91	+16 56.9	1.798	2.568	16.5	22.3

49233 1998 SE_{145} 1 2.8 129°.21 2°.1/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.75	+16 27.0	1.932	2.772	12.8	19.8
12 13	7 9.93	+16 28.1	1.869	2.782	9.3	19.6
12 23	7 1.08	+16 36.0	1.832	2.793	5.4	19.4
1 2	6 51.10	+16 49.5	1.823	2.803	2.2	19.2
1 12	6 41.10	+17 7.0	1.844	2.812	4.4	19.4
1 22	6 32.18	+17 26.9	1.894	2.821	8.2	19.6
2 1	6 25.22	+17 47.9	1.971	2.830	11.7	19.8
2 11	6 20.82	+18 9.2	2.069	2.839	14.7	20.1

465230 2007 RQ_{191} 1 2.8 157°.28 4°.7/ 4.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.81	+ 6 37.0	2.575	3.382	11.0	22.2
12 13	7 6.08	+ 6 23.6	2.504	3.386	8.6	22.0
12 23	6 58.93	+ 6 21.6	2.457	3.390	6.2	21.9
1 2	6 50.94	+ 6 31.6	2.440	3.394	4.7	21.8
1 12	6 42.90	+ 6 53.0	2.452	3.397	5.4	21.8
1 22	6 35.53	+ 7 24.1	2.493	3.401	7.5	22.0
2 1	6 29.51	+ 8 2.7	2.562	3.403	9.9	22.1
2 11	6 25.31	+ 8 45.9	2.654	3.406	12.2	22.3

194262 Nové Zámky 1 2.8 244°.01 0°.5/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.88	+19 47.2	1.454	2.311	15.3	20.5
12 13	7 11.46	+20 17.0	1.387	2.310	10.9	20.2
12 23	7 2.21	+20 54.2	1.342	2.309	5.9	19.9
1 2	6 51.20	+21 34.8	1.325	2.308	0.7	19.6
1 12	6 39.94	+22 14.7	1.335	2.306	5.0	19.9
1 22	6 30.01	+22 50.8	1.372	2.305	10.1	20.2
2 1	6 22.68	+23 21.6	1.433	2.304	14.6	20.4
2 11	6 18.74	+23 47.3	1.515	2.302	18.3	20.7

522557 2016 EK_{242} 1 2.8 25°.65 1°.1/ 3.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.02	+19 13.2	1.828	2.679	12.9	21.1
12 13	7 8.19	+19 24.0	1.762	2.682	9.2	20.9
12 23	7 0.24	+19 40.1	1.720	2.686	5.1	20.6
1 2	6 51.04	+19 59.7	1.707	2.689	1.2	20.4
1 12	6 41.76	+20 20.4	1.722	2.693	4.2	20.6
1 22	6 33.54	+20 40.7	1.766	2.698	8.3	20.9
2 1	6 27.32	+20 59.6	1.835	2.702	12.1	21.1
2 11	6 23.73	+21 16.7	1.926	2.707	15.2	21.3

352715 2008 SU_{202} 1 2.8 78°.81 2°.8/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.72	+16 30.1	1.407	2.259	16.0	21.3
12 13	7 12.37	+16 18.5	1.362	2.280	11.6	21.1
12 23	7 2.46	+16 15.6	1.339	2.301	6.7	20.8
1 2	6 51.20	+16 20.3	1.343	2.322	2.8	20.7
1 12	6 40.16	+16 30.9	1.375	2.343	5.4	20.9
1 22	6 30.74	+16 45.7	1.433	2.364	10.0	21.2
2 1	6 23.98	+17 3.2	1.516	2.385	14.1	21.5
2 11	6 20.45	+17 22.1	1.619	2.405	17.4	21.8

370382 2002 TW_{122} 1 2.8 69°.38 1°.6/ 2.6 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.93	+28 14.1	2.075	2.922	11.8	20.1
12 13	7 9.96	+28 9.0	2.017	2.935	8.3	19.9
12 23	7 1.05	+28 0.0	1.984	2.949	4.6	19.7
1 2	6 51.10	+27 45.1	1.981	2.962	1.6	19.6
1 12	6 41.28	+27 23.6	2.008	2.976	4.1	19.8
1 22	6 32.63	+26 56.4	2.064	2.989	7.7	20.0
2 1	6 26.02	+26 25.6	2.147	3.003	11.0	20.2
2 11	6 21.94	+25 53.4	2.252	3.017	13.7	20.4

467629 2008 LA_{4} 1 2.8 329°.64 3°.2/ 1.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.31	+26 15.5	1.543	2.404	14.3	20.3
12 13	7 10.55	+27 42.0	1.470	2.395	10.3	20.0
12 23	7 1.86	+29 12.3	1.422	2.387	5.9	19.7
1 2	6 51.19	+30 38.5	1.400	2.379	3.2	19.5
1 12	6 40.03	+31 52.9	1.408	2.371	6.2	19.7
1 22	6 30.02	+32 50.9	1.442	2.364	10.7	19.9
2 1	6 22.56	+33 31.8	1.500	2.357	14.8	20.2
2 11	6 18.58	+33 58.1	1.578	2.351	18.3	20.4

3875 Staehle 1 2.8 126°.46 2°.0/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.26	+16 26.7	1.639	2.481	14.6	17.2
12 13	7 12.65	+16 46.1	1.582	2.497	10.5	17.0
12 23	7 2.63	+17 14.1	1.550	2.512	6.0	16.7
1 2	6 51.23	+17 48.2	1.546	2.526	2.1	16.5
1 12	6 39.85	+18 25.0	1.571	2.540	4.8	16.7
1 22	6 29.80	+19 1.9	1.624	2.553	9.2	17.0
2 1	6 22.16	+19 37.1	1.704	2.565	13.1	17.3
2 11	6 17.53	+20 9.6	1.804	2.577	16.4	17.5

135225 2001 RU_{119} 1 2.8 112°.71 4°.3/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 16.93	+35 56.3	2.424	3.259	10.7	20.3
12 13	7 10.01	+36 35.0	2.363	3.268	8.0	20.1
12 23	7 1.13	+37 6.0	2.328	3.276	5.5	20.0
1 2	6 51.12	+37 25.1	2.323	3.284	4.3	19.9
1 12	6 41.09	+37 30.0	2.347	3.292	5.6	20.0
1 22	6 32.09	+37 21.0	2.399	3.300	8.1	20.2
2 1	6 25.00	+37 0.3	2.478	3.308	10.6	20.3
2 11	6 20.39	+36 31.5	2.579	3.315	12.9	20.5

474034 2016 GT_{185} 1 2.8 226°.33 4°.3/ 4.0 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.61	+ 7 32.5	2.685	3.494	10.6	21.9
12 13	7 5.98	+ 7 22.7	2.600	3.486	8.2	21.8
12 23	6 58.92	+ 7 23.5	2.540	3.477	5.8	21.6
1 2	6 50.97	+ 7 35.2	2.510	3.468	4.3	21.5
1 12	6 42.87	+ 7 57.5	2.509	3.458	5.0	21.5
1 22	6 35.37	+ 8 28.6	2.538	3.448	7.3	21.6
2 1	6 29.13	+ 9 6.7	2.595	3.438	9.8	21.8
2 11	6 24.66	+ 9 49.1	2.675	3.427	12.1	21.9

277897 2006 KZ_{45} 1 2.8 243°.03 7°.2/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.18	+ 1 33.4	2.414	3.201	12.3	21.5
12 13	7 7.20	+ 0 28.3	2.333	3.191	10.1	21.3
12 23	6 59.60	− 0 23.7	2.277	3.182	8.2	21.2
1 2	6 51.02	− 0 59.2	2.249	3.172	7.2	21.1
1 12	6 42.30	− 1 16.7	2.248	3.162	7.8	21.1
1 22	6 34.24	− 1 16.4	2.276	3.152	9.6	21.2
2 1	6 27.61	− 1 0.3	2.328	3.142	11.8	21.3
2 11	6 22.95	− 0 31.9	2.402	3.131	13.9	21.5

291387 2006 CN_{36} 1 2.8 215°.28 0°.8/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.10	+19 33.9	1.757	2.604	13.5	21.5
12 13	7 11.29	+19 55.0	1.680	2.598	9.7	21.2
12 23	7 2.03	+20 22.0	1.628	2.593	5.3	21.0
1 2	6 51.21	+20 52.1	1.604	2.586	0.9	20.6
1 12	6 40.14	+21 22.2	1.609	2.580	4.4	20.9
1 22	6 30.12	+21 50.0	1.643	2.573	9.0	21.1
2 1	6 22.32	+22 14.7	1.703	2.565	13.1	21.4
2 11	6 17.45	+22 36.0	1.784	2.557	16.5	21.6

413518 2005 SD_{28} 1 2.8 67°.87 7°.2/ 4.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.54	+ 5 2.2	1.765	2.581	14.9	21.2
12 13	7 8.41	+ 4 13.3	1.710	2.594	11.8	21.1
12 23	7 0.30	+ 3 41.1	1.677	2.606	8.9	20.9
1 2	6 51.08	+ 3 28.0	1.671	2.618	7.2	20.8
1 12	6 41.89	+ 3 34.3	1.691	2.630	8.0	20.9
1 22	6 33.79	+ 3 58.0	1.739	2.643	10.4	21.1
2 1	6 27.67	+ 4 35.3	1.810	2.655	13.3	21.3
2 11	6 24.08	+ 5 21.7	1.903	2.668	15.9	21.5

310930 2003 SP_{242} 1 2.8 164°.76 2°.8/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.11	+29 30.9	1.878	2.724	12.8	21.5
12 13	7 12.62	+30 3.7	1.811	2.728	9.2	21.3
12 23	7 2.68	+30 32.5	1.770	2.732	5.4	21.1
1 2	6 51.28	+30 52.8	1.758	2.735	2.8	20.9
1 12	6 39.78	+31 1.5	1.775	2.737	5.2	21.1
1 22	6 29.54	+30 58.4	1.820	2.740	9.0	21.3
2 1	6 21.63	+30 45.6	1.891	2.741	12.6	21.5
2 11	6 16.74	+30 26.4	1.984	2.742	15.6	21.7

358593 2007 UD_{76} 1 2.8 234°.81 2°.8/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.57	+29 11.9	1.847	2.695	12.9	21.2
12 13	7 12.44	+29 45.8	1.768	2.685	9.4	21.0
12 23	7 2.69	+30 16.7	1.713	2.675	5.5	20.8
1 2	6 51.29	+30 39.8	1.687	2.665	2.8	20.6
1 12	6 39.59	+30 51.4	1.691	2.654	5.3	20.7
1 22	6 29.02	+30 50.8	1.722	2.642	9.4	20.9
2 1	6 20.79	+30 39.9	1.779	2.631	13.2	21.1
2 11	6 15.66	+30 21.9	1.857	2.619	16.4	21.3

266827 2009 TS_{36} 1 2.8 189°.75 0°.2/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.35	+22 4.2	2.078	2.925	11.8	20.6
12 13	7 9.03	+22 28.3	2.005	2.925	8.3	20.4
12 23	7 0.69	+22 55.1	1.958	2.924	4.5	20.2
1 2	6 51.13	+23 22.0	1.940	2.923	0.4	19.8
1 12	6 41.43	+23 46.5	1.952	2.922	3.8	20.1
1 22	6 32.66	+24 6.9	1.993	2.921	7.8	20.4
2 1	6 25.74	+24 23.0	2.061	2.920	11.3	20.6
2 11	6 21.30	+24 35.2	2.151	2.919	14.2	20.8

80045 1999 JW_{41} 1 2.8 216°.88 2°.5/ 2.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.47	+29 8.3	2.429	3.274	10.3	19.7
12 13	7 8.31	+29 53.2	2.356	3.272	7.4	19.5
12 23	7 0.28	+30 36.0	2.309	3.270	4.4	19.3
1 2	6 51.10	+31 12.9	2.292	3.268	2.5	19.1
1 12	6 41.76	+31 41.0	2.306	3.266	4.4	19.3
1 22	6 33.23	+31 59.2	2.348	3.264	7.4	19.5
2 1	6 26.38	+32 8.0	2.418	3.262	10.4	19.6
2 11	6 21.80	+32 9.2	2.510	3.260	12.9	19.8

336567 2009 SX_{56} 1 2.8 88°.57 4°.4/ 2.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 26.30	+32 13.8	1.326	2.180	16.7	20.9
12 13	7 17.41	+32 42.2	1.284	2.203	12.1	20.7
12 23	7 5.27	+33 1.0	1.265	2.225	7.3	20.5
1 2	6 51.47	+33 3.7	1.273	2.247	4.4	20.4
1 12	6 38.05	+32 48.0	1.307	2.269	6.9	20.6
1 22	6 26.85	+32 16.6	1.368	2.290	11.2	20.9
2 1	6 19.09	+31 35.0	1.453	2.311	15.2	21.2
2 11	6 15.28	+30 49.3	1.557	2.331	18.5	21.5

356048 2009 CM_{57} 1 2.8 198°.07 0°.5/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.62	+20 32.3	2.052	2.893	12.1	21.7
12 13	7 10.66	+20 49.6	1.974	2.891	8.6	21.5
12 23	7 1.59	+21 10.7	1.922	2.887	4.7	21.2
1 2	6 51.22	+21 33.2	1.900	2.883	0.6	20.9
1 12	6 40.66	+21 54.7	1.908	2.878	3.9	21.2
1 22	6 31.04	+22 13.8	1.946	2.873	8.0	21.4
2 1	6 23.34	+22 29.9	2.010	2.867	11.6	21.6
2 11	6 18.20	+22 43.4	2.097	2.860	14.7	21.8

157680 2005 YP_{137} 1 2.8 169°.78 0°.5/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.48	+23 1.2	2.162	3.008	11.4	20.5
12 13	7 9.06	+23 28.0	2.091	3.010	8.1	20.3
12 23	7 0.70	+23 56.7	2.045	3.011	4.3	20.0
1 2	6 51.16	+24 24.5	2.029	3.012	0.6	19.7
1 12	6 41.50	+24 48.7	2.044	3.013	3.8	20.0
1 22	6 32.75	+25 8.1	2.088	3.014	7.6	20.2
2 1	6 25.80	+25 22.5	2.158	3.015	10.9	20.5
2 11	6 21.27	+25 32.5	2.252	3.015	13.8	20.6

412546 2014 NP_{1} 1 2.8 154°.09 2°.8/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.73	+14 16.5	1.933	2.766	13.1	22.4
12 13	7 10.67	+14 20.3	1.866	2.774	9.6	22.2
12 23	7 1.55	+14 33.0	1.824	2.781	5.8	22.0
1 2	6 51.22	+14 53.7	1.811	2.788	2.9	21.8
1 12	6 40.83	+15 20.2	1.829	2.794	4.7	21.9
1 22	6 31.48	+15 50.6	1.875	2.800	8.4	22.2
2 1	6 24.10	+16 22.9	1.948	2.805	11.9	22.4
2 11	6 19.29	+16 55.5	2.043	2.809	14.9	22.6

419109 2009 SS_{183} 1 2.8 111°.33 1°.5/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.19	+18 50.4	2.099	2.940	11.9	21.6
12 13	7 9.40	+18 39.4	2.039	2.954	8.5	21.4
12 23	7 0.77	+18 32.2	2.004	2.967	4.7	21.2
1 2	6 51.16	+18 28.1	1.999	2.980	1.5	21.0
1 12	6 41.59	+18 26.1	2.023	2.992	3.9	21.2
1 22	6 33.06	+18 25.8	2.078	3.005	7.6	21.4
2 1	6 26.37	+18 26.9	2.158	3.017	10.9	21.7
2 11	6 22.04	+18 29.3	2.262	3.028	13.6	21.9

211551 2003 SJ_{51} 1 2.8 49°.49 1°.6/ 3.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.37	+18 11.2	1.307	2.168	16.4	19.8
12 13	7 10.96	+18 23.1	1.262	2.187	11.7	19.6
12 23	7 1.83	+18 43.2	1.240	2.206	6.5	19.4
1 2	6 51.24	+19 8.7	1.244	2.226	1.8	19.1
1 12	6 40.80	+19 36.4	1.274	2.246	5.2	19.4
1 22	6 32.01	+20 3.7	1.331	2.266	10.1	19.7
2 1	6 25.97	+20 29.2	1.411	2.287	14.4	20.1
2 11	6 23.26	+20 52.1	1.511	2.308	17.9	20.3

432054 2008 YL_{17} 1 2.8 346°.72 1°.4/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.10	+27 25.9	2.110	2.960	11.5	20.5
12 13	7 8.83	+27 22.6	2.037	2.957	8.2	20.3
12 23	7 0.57	+27 16.4	1.990	2.955	4.5	20.0
1 2	6 51.16	+27 5.0	1.972	2.953	1.4	19.8
1 12	6 41.71	+26 47.6	1.983	2.952	4.0	20.0
1 22	6 33.28	+26 24.8	2.024	2.950	7.8	20.2
2 1	6 26.75	+25 58.1	2.090	2.949	11.1	20.4
2 11	6 22.72	+25 29.5	2.179	2.948	14.0	20.6

356484 2011 RL_{9} 1 2.8 74°.59 5°.8/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.92	+ 7 50.5	1.508	2.336	16.4	20.6
12 13	7 11.56	+ 7 41.9	1.469	2.367	12.5	20.4
12 23	7 1.97	+ 7 51.0	1.454	2.397	8.5	20.3
1 2	6 51.26	+ 8 17.4	1.464	2.428	5.9	20.2
1 12	6 40.80	+ 8 58.5	1.502	2.458	6.9	20.4
1 22	6 31.83	+ 9 50.1	1.568	2.487	10.2	20.6
2 1	6 25.28	+10 47.5	1.658	2.516	13.6	20.9
2 11	6 21.64	+11 46.5	1.769	2.545	16.5	21.2

189033 2000 AC_{9} 1 2.8 75°.81 3°.1/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.89	+29 0.7	2.057	2.899	12.0	19.2
12 13	7 12.14	+30 12.0	2.018	2.932	8.6	19.0
12 23	7 2.28	+31 19.4	2.005	2.965	5.1	18.9
1 2	6 51.29	+32 17.4	2.023	2.997	3.1	18.8
1 12	6 40.39	+33 2.2	2.071	3.029	5.1	19.0
1 22	6 30.73	+33 32.7	2.149	3.061	8.3	19.3
2 1	6 23.24	+33 50.3	2.253	3.092	11.2	19.5
2 11	6 18.45	+33 57.9	2.379	3.122	13.7	19.7

417006 2005 UV_{5} 1 2.8 39°.96 7°.6/30.1 15

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 28.66	+30 11.0	1.310	2.162	16.9	19.4
12 13	7 19.92	+34 3.5	1.278	2.193	12.5	19.2
12 23	7 7.16	+37 49.9	1.275	2.225	8.7	19.1
1 2	6 51.70	+41 9.1	1.303	2.258	7.8	19.1
1 12	6 35.74	+43 46.0	1.360	2.291	10.3	19.3
1 22	6 21.65	+45 36.6	1.445	2.324	13.9	19.6
2 1	6 11.32	+46 46.5	1.553	2.358	17.1	19.9
2 11	6 5.69	+47 26.2	1.679	2.393	19.6	20.2

19000 2000 RM_{60} 1 2.8 72°.44 0°.9/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.63	+21 23.5	1.799	2.648	13.2	17.7
12 13	7 10.58	+21 5.7	1.747	2.666	9.3	17.5
12 23	7 1.45	+20 49.9	1.720	2.685	5.0	17.2
1 2	6 51.23	+20 35.0	1.721	2.703	1.0	17.0
1 12	6 41.18	+20 20.6	1.751	2.722	4.2	17.3
1 22	6 32.42	+20 6.9	1.810	2.740	8.3	17.6
2 1	6 25.85	+19 54.5	1.895	2.758	11.9	17.8
2 11	6 21.97	+19 43.8	2.002	2.777	14.9	18.1

53027 1998 WM_{5} 1 2.8 237°.06 2°.6/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.13	+27 19.1	1.563	2.418	14.5	18.9
12 13	7 13.16	+28 0.2	1.489	2.411	10.4	18.6
12 23	7 3.23	+28 40.7	1.440	2.404	5.9	18.4
1 2	6 51.39	+29 14.6	1.417	2.397	2.6	18.1
1 12	6 39.22	+29 37.3	1.423	2.389	5.7	18.3
1 22	6 28.37	+29 47.5	1.456	2.381	10.3	18.6
2 1	6 20.20	+29 46.6	1.514	2.373	14.6	18.8
2 11	6 15.55	+29 37.8	1.591	2.365	18.2	19.0

201974 2004 PR_{29} 1 2.8 195°.65 0°.6/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.07	+23 27.6	1.951	2.794	12.6	21.9
12 13	7 12.54	+23 49.3	1.874	2.792	9.0	21.7
12 23	7 2.66	+24 12.4	1.823	2.788	4.8	21.4
1 2	6 51.35	+24 33.7	1.801	2.784	0.7	21.1
1 12	6 39.83	+24 50.3	1.810	2.779	4.2	21.4
1 22	6 29.36	+25 1.2	1.848	2.773	8.5	21.6
2 1	6 21.03	+25 6.8	1.912	2.767	12.3	21.9
2 11	6 15.51	+25 8.4	1.999	2.759	15.4	22.1

372009 2008 JJ_{34} 1 2.8 156°.34 5°.3/ 4.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.95	+ 4 44.3	2.663	3.457	11.1	22.2
12 13	7 7.54	+ 4 11.9	2.594	3.465	8.8	22.1
12 23	6 59.72	+ 3 51.2	2.552	3.473	6.6	21.9
1 2	6 51.11	+ 3 43.3	2.538	3.481	5.4	21.9
1 12	6 42.48	+ 3 48.4	2.554	3.488	5.9	21.9
1 22	6 34.55	+ 4 5.2	2.599	3.494	7.8	22.0
2 1	6 27.97	+ 4 31.8	2.672	3.500	10.0	22.2
2 11	6 23.20	+ 5 5.4	2.768	3.504	12.1	22.4

128024 2003 KH 1 2.8 253°.98 0°.0/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.49	+20 43.4	2.087	2.932	11.8	20.1
12 13	7 9.27	+21 19.3	2.001	2.920	8.4	19.8
12 23	7 0.93	+22 0.3	1.941	2.907	4.5	19.6
1 2	6 51.22	+22 43.3	1.910	2.893	0.4	19.2
1 12	6 41.18	+23 24.9	1.910	2.880	3.9	19.5
1 22	6 31.94	+24 2.7	1.938	2.866	8.0	19.7
2 1	6 24.50	+24 35.5	1.994	2.852	11.6	19.9
2 11	6 19.56	+25 3.1	2.072	2.838	14.7	20.1

288819 2004 RU_{179} 1 2.8 150°.40 0°.1/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.67	+22 50.4	1.797	2.643	13.4	21.7
12 13	7 12.89	+22 44.7	1.733	2.651	9.5	21.4
12 23	7 2.78	+22 39.5	1.693	2.659	5.1	21.2
1 2	6 51.35	+22 33.0	1.683	2.666	0.4	20.8
1 12	6 39.93	+22 24.0	1.702	2.672	4.3	21.2
1 22	6 29.82	+22 12.6	1.750	2.678	8.7	21.4
2 1	6 22.01	+21 59.9	1.825	2.684	12.5	21.7
2 11	6 17.13	+21 47.3	1.921	2.688	15.7	21.9

54461 2000 NA_{29} 1 2.8 297°.66 1°.1/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.04	+21 11.7	2.151	2.996	11.5	18.3
12 13	7 8.82	+20 40.4	2.059	2.977	8.3	18.0
12 23	7 0.62	+20 9.3	1.993	2.958	4.6	17.8
1 2	6 51.19	+19 38.5	1.957	2.939	1.2	17.5
1 12	6 41.57	+19 8.1	1.950	2.920	3.9	17.6
1 22	6 32.78	+18 39.0	1.973	2.901	7.9	17.8
2 1	6 25.75	+18 12.2	2.022	2.882	11.4	18.0
2 11	6 21.11	+17 48.5	2.094	2.863	14.5	18.2

293472 2007 EA_{218} 1 2.8 263°.46 4°.0/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.28	+13 33.5	1.498	2.343	15.5	20.8
12 13	7 11.04	+13 21.6	1.418	2.332	11.6	20.5
12 23	7 2.07	+13 21.4	1.362	2.320	7.3	20.2
1 2	6 51.32	+13 32.9	1.332	2.308	4.0	20.0
1 12	6 40.20	+13 54.9	1.330	2.295	6.1	20.1
1 22	6 30.21	+14 25.0	1.354	2.283	10.6	20.3
2 1	6 22.62	+15 0.6	1.402	2.270	15.0	20.5
2 11	6 18.27	+15 38.9	1.470	2.257	18.8	20.8

282917 2007 LA_{33} 1 2.8 88°.64 0°.2/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 23.48	+23 55.2	1.722	2.566	13.9	20.6
12 13	7 14.61	+23 49.4	1.682	2.600	9.8	20.4
12 23	7 3.52	+23 42.9	1.668	2.633	5.2	20.2
1 2	6 51.41	+23 33.7	1.682	2.665	0.4	20.0
1 12	6 39.68	+23 20.9	1.727	2.697	4.3	20.3
1 22	6 29.57	+23 5.2	1.800	2.727	8.5	20.6
2 1	6 21.99	+22 48.2	1.900	2.757	12.2	20.9
2 11	6 17.39	+22 31.5	2.022	2.786	15.1	21.2

110606 2001 TX_{136} 1 2.8 353°.57 5°.0/ 1.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.10	+30 0.9	1.394	2.260	15.2	18.1
12 13	7 10.68	+31 35.6	1.330	2.256	11.2	17.9
12 23	7 2.07	+33 9.7	1.291	2.252	7.0	17.6
1 2	6 51.33	+34 33.4	1.277	2.249	5.0	17.5
1 12	6 40.17	+35 38.4	1.290	2.247	7.6	17.7
1 22	6 30.40	+36 21.4	1.328	2.245	11.8	17.9
2 1	6 23.54	+36 43.3	1.389	2.245	15.9	18.1
2 11	6 20.50	+36 48.6	1.468	2.246	19.3	18.4

35148 1993 FX_{15} 1 2.8 11°.66 3°.1/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.61	+29 41.1	1.895	2.750	12.4	18.2
12 13	7 8.78	+30 24.3	1.831	2.752	8.9	18.0
12 23	7 0.68	+31 4.3	1.792	2.754	5.3	17.8
1 2	6 51.21	+31 36.7	1.781	2.757	3.1	17.7
1 12	6 41.63	+31 57.9	1.799	2.761	5.3	17.8
1 22	6 33.16	+32 7.1	1.844	2.765	8.8	18.0
2 1	6 26.83	+32 5.5	1.914	2.769	12.2	18.3
2 11	6 23.27	+31 55.8	2.006	2.774	15.1	18.5

274526 2008 ST_{204} 1 2.8 125°.34 1°.9/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.76	+16 12.4	2.364	3.199	10.9	21.3
12 13	7 7.61	+16 16.3	2.298	3.208	7.9	21.1
12 23	6 59.84	+16 26.1	2.258	3.218	4.6	20.9
1 2	6 51.16	+16 40.8	2.248	3.227	1.9	20.7
1 12	6 42.44	+16 59.0	2.268	3.236	3.7	20.9
1 22	6 34.55	+17 19.4	2.318	3.244	7.0	21.1
2 1	6 28.22	+17 40.8	2.395	3.252	10.0	21.3
2 11	6 23.95	+18 2.3	2.496	3.260	12.6	21.5

222814 2002 CU_{285} 1 2.8 175°.74 0°.6/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.47	+24 38.1	2.189	3.034	11.3	20.8
12 13	7 9.73	+24 45.1	2.117	3.035	8.0	20.6
12 23	7 1.06	+24 51.8	2.071	3.037	4.3	20.4
1 2	6 51.25	+24 55.9	2.054	3.037	0.7	20.1
1 12	6 41.38	+24 55.9	2.068	3.038	3.8	20.3
1 22	6 32.46	+24 51.6	2.112	3.038	7.5	20.6
2 1	6 25.39	+24 43.7	2.182	3.038	10.9	20.8
2 11	6 20.74	+24 33.4	2.275	3.037	13.7	21.0

134714 1999 XJ_{254} 1 2.8 333°.41 0°.1/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.24	+22 31.6	1.643	2.498	13.9	20.3
12 13	7 10.77	+22 34.3	1.574	2.497	9.9	20.0
12 23	7 1.79	+22 38.9	1.530	2.497	5.3	19.7
1 2	6 51.32	+22 43.2	1.513	2.496	0.4	19.4
1 12	6 40.74	+22 45.2	1.524	2.495	4.5	19.7
1 22	6 31.39	+22 44.4	1.563	2.495	9.2	20.0
2 1	6 24.41	+22 41.2	1.627	2.494	13.3	20.2
2 11	6 20.46	+22 36.7	1.711	2.494	16.7	20.4

469228 2016 HD_{15} 1 2.8 240°.71 8°.3/30.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 23.17	+48 42.3	2.533	3.325	11.6	21.1
12 13	7 15.18	+50 6.7	2.462	3.314	9.9	21.0
12 23	7 4.32	+51 17.0	2.416	3.302	8.6	20.9
1 2	6 51.53	+52 5.8	2.397	3.291	8.4	20.9
1 12	6 38.26	+52 28.7	2.405	3.278	9.2	20.9
1 22	6 26.08	+52 25.7	2.439	3.266	10.8	21.0
2 1	6 16.35	+52 0.2	2.496	3.253	12.7	21.1
2 11	6 9.92	+51 18.5	2.573	3.240	14.5	21.2

349220 2007 SD_{13} 1 2.8 127°.03 1°.1/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.75	+19 6.3	2.535	3.373	10.2	21.1
12 13	7 7.51	+19 2.8	2.469	3.383	7.3	20.9
12 23	6 59.76	+19 2.6	2.430	3.392	4.0	20.7
1 2	6 51.16	+19 4.6	2.420	3.402	1.2	20.5
1 12	6 42.56	+19 8.0	2.442	3.411	3.3	20.7
1 22	6 34.77	+19 12.1	2.494	3.420	6.5	21.0
2 1	6 28.46	+19 16.7	2.573	3.429	9.4	21.2
2 11	6 24.12	+19 21.5	2.676	3.437	11.9	21.3

109383 2001 QR_{165} 1 2.8 186°.00 2°.3/ 3.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.80	+14 4.2	1.955	2.791	12.9	20.1
12 13	7 9.44	+14 36.4	1.881	2.791	9.4	19.9
12 23	7 1.00	+15 19.3	1.831	2.790	5.6	19.7
1 2	6 51.27	+16 10.8	1.811	2.790	2.4	19.5
1 12	6 41.33	+17 7.4	1.821	2.789	4.4	19.6
1 22	6 32.29	+18 5.6	1.860	2.788	8.2	19.8
2 1	6 25.12	+19 2.5	1.925	2.786	11.9	20.1
2 11	6 20.48	+19 56.2	2.014	2.785	14.9	20.3

453238 2008 QT_{17} 1 2.8 108°.23 2°.4/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.42	+16 5.3	1.624	2.465	14.7	22.1
12 13	7 12.73	+16 11.9	1.573	2.487	10.6	21.9
12 23	7 2.70	+16 26.9	1.547	2.507	6.1	21.7
1 2	6 51.39	+16 48.5	1.548	2.528	2.4	21.5
1 12	6 40.21	+17 14.1	1.578	2.547	4.9	21.7
1 22	6 30.43	+17 41.6	1.637	2.566	9.1	22.0
2 1	6 23.07	+18 9.2	1.722	2.584	13.0	22.3
2 11	6 18.68	+18 36.0	1.828	2.601	16.2	22.6

137913 2000 BH_{3} 1 2.8 293°.89 0°.2/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.54	+19 52.3	1.651	2.504	14.0	18.5
12 13	7 10.45	+20 53.1	1.575	2.497	10.0	18.2
12 23	7 1.76	+22 2.7	1.524	2.491	5.4	17.9
1 2	6 51.34	+23 16.0	1.501	2.484	0.4	17.5
1 12	6 40.54	+24 27.1	1.507	2.477	4.7	17.9
1 22	6 30.78	+25 31.4	1.541	2.471	9.4	18.1
2 1	6 23.28	+26 26.6	1.600	2.465	13.7	18.4
2 11	6 18.88	+27 12.3	1.680	2.458	17.2	18.6

395319 2011 OA_{29} 1 2.8 108°.66 2°.1/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.75	+16 16.3	1.743	2.582	14.0	21.4
12 13	7 12.15	+16 28.4	1.691	2.604	10.1	21.2
12 23	7 2.35	+16 48.3	1.664	2.625	5.8	21.0
1 2	6 51.37	+17 14.0	1.666	2.646	2.2	20.8
1 12	6 40.49	+17 42.9	1.698	2.667	4.6	21.0
1 22	6 30.92	+18 12.8	1.758	2.686	8.7	21.3
2 1	6 23.60	+18 42.1	1.845	2.705	12.3	21.5
2 11	6 19.10	+19 9.9	1.953	2.723	15.4	21.8

375060 2007 PA_{49} 1 2.8 79°.27 6°.1/ 5.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.87	+ 1 57.2	2.200	2.994	13.1	20.8
12 13	7 7.02	+ 2 6.1	2.139	3.008	10.5	20.6
12 23	6 59.55	+ 2 32.7	2.103	3.023	7.9	20.5
1 2	6 51.17	+ 3 17.0	2.094	3.038	6.3	20.4
1 12	6 42.78	+ 4 16.9	2.114	3.052	6.6	20.4
1 22	6 35.22	+ 5 28.9	2.162	3.067	8.6	20.6
2 1	6 29.23	+ 6 48.2	2.238	3.081	11.1	20.8
2 11	6 25.32	+ 8 10.4	2.336	3.096	13.5	21.0

267532 2002 PK_{50} 1 2.8 117°.99 3°.0/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.44	+14 42.1	1.573	2.413	15.2	20.6
12 13	7 12.85	+14 46.5	1.519	2.431	11.1	20.4
12 23	7 2.82	+15 1.3	1.488	2.447	6.6	20.2
1 2	6 51.43	+15 24.7	1.486	2.464	3.1	20.0
1 12	6 40.10	+15 54.1	1.512	2.479	5.2	20.2
1 22	6 30.18	+16 27.0	1.566	2.494	9.5	20.5
2 1	6 22.71	+17 1.1	1.645	2.508	13.5	20.8
2 11	6 18.30	+17 34.8	1.746	2.522	16.7	21.0

109898 2001 SE_{20} 1 2.8 263°.99 5°.0/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.53	+ 6 5.0	2.389	3.199	11.7	19.6
12 13	7 6.14	+ 6 1.1	2.307	3.191	9.2	19.4
12 23	6 59.14	+ 6 10.3	2.249	3.182	6.6	19.3
1 2	6 51.15	+ 6 33.3	2.219	3.174	5.0	19.2
1 12	6 43.00	+ 7 9.1	2.218	3.166	5.7	19.2
1 22	6 35.50	+ 7 55.6	2.247	3.158	8.0	19.3
2 1	6 29.40	+ 8 49.6	2.302	3.149	10.7	19.5
2 11	6 25.25	+ 9 47.9	2.380	3.141	13.2	19.6

224989 2007 EE_{107} 1 2.8 353°.02 4°.7/ 1.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.64	+33 12.5	1.747	2.599	13.4	20.1
12 13	7 11.25	+34 6.9	1.681	2.597	9.9	19.8
12 23	7 2.16	+34 55.1	1.640	2.596	6.5	19.6
1 2	6 51.41	+35 30.9	1.626	2.595	4.7	19.5
1 12	6 40.45	+35 49.8	1.640	2.594	6.6	19.6
1 22	6 30.78	+35 51.4	1.681	2.593	10.1	19.8
2 1	6 23.62	+35 38.2	1.746	2.593	13.6	20.1
2 11	6 19.68	+35 14.5	1.831	2.593	16.5	20.3

454305 2014 JW_{64} 1 2.8 38°.92 3°.4/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.21	+27 14.8	1.234	2.102	16.6	20.7
12 13	7 12.88	+28 18.9	1.181	2.109	11.9	20.4
12 23	7 3.20	+29 22.6	1.151	2.117	6.8	20.1
1 2	6 51.49	+30 17.8	1.147	2.125	3.4	20.0
1 12	6 39.66	+30 58.0	1.168	2.134	6.7	20.2
1 22	6 29.61	+31 21.2	1.215	2.143	11.6	20.5
2 1	6 22.78	+31 29.1	1.284	2.153	16.1	20.8
2 11	6 19.90	+31 26.0	1.371	2.162	19.7	21.1

275551 1999 ED_{10} 1 2.8 153°.59 7°.1/ 5.5 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.22	− 3 40.6	2.775	3.530	11.6	21.0
12 13	7 5.65	− 4 1.8	2.705	3.536	9.8	20.8
12 23	6 58.77	− 4 6.5	2.660	3.541	8.2	20.7
1 2	6 51.14	− 3 53.2	2.641	3.546	7.2	20.7
1 12	6 43.45	− 3 22.0	2.651	3.551	7.4	20.7
1 22	6 36.38	− 2 35.0	2.688	3.555	8.6	20.8
2 1	6 30.54	− 1 35.5	2.751	3.559	10.3	20.9
2 11	6 26.37	− 0 27.5	2.837	3.563	12.1	21.1

516454 2005 FN_4 1 2.8 123°.36 7°.8/ 6.7 18 C

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 15.52	−13 26.0	3.624	4.290	10.6	25.2
12 13	7 8.29	−14 0.2	3.576	4.319	9.4	25.2
12 23	7 0.03	−14 17.3	3.551	4.348	8.4	25.1
1 2	6 51.24	−14 15.8	3.552	4.375	7.8	25.1
1 12	6 42.52	−13 55.6	3.581	4.401	7.8	25.1
1 22	6 34.40	−13 18.2	3.638	4.426	8.4	25.2
2 1	6 27.39	−12 26.7	3.720	4.450	9.3	25.3
2 11	6 21.83	−11 24.9	3.826	4.472	10.3	25.4

231007 2005 EU_{33} 1 2.8 292°.26 2°.2/ 3.5 17

12 3	7 14.39	+14 41.0	2.297	3.129	11.3	20.5
12 13	7 8.51	+15 0.2	2.184	3.092	8.4	20.2
12 23	7 0.62	+15 28.5	2.096	3.055	5.0	20.0
1 2	6 51.32	+16 4.8	2.038	3.017	2.3	19.7
1 12	6 41.50	+16 47.1	2.011	2.978	4.1	19.8
1 22	6 32.18	+17 33.0	2.013	2.939	7.8	19.9
2 1	6 24.31	+18 20.1	2.043	2.900	11.5	20.1
2 11	6 18.67	+19 6.7	2.096	2.860	14.7	20.2

178658 2000 QV_{34} 1 2.8 183°.20 8°.1/31.5 18

12 3	7 27.91	+51 34.0	2.790	3.560	11.2	20.2
12 13	7 18.22	+52 35.9	2.728	3.561	9.6	20.1
12 23	7 5.79	+53 21.2	2.690	3.561	8.5	20.0
1 2	6 51.71	+53 43.7	2.680	3.560	8.1	20.0
1 12	6 37.48	+53 40.3	2.697	3.559	8.8	20.0
1 22	6 24.62	+53 12.4	2.740	3.557	10.1	20.1
2 1	6 14.35	+52 24.3	2.808	3.554	11.7	20.2
2 11	6 7.36	+51 22.6	2.897	3.550	13.2	20.3

335948 2007 TT_{88} 1 2.8 45°.59 12°.0/ 4.5 18

12 3	7 13.56	−10 0.3	2.078	2.811	15.7	20.3
12 13	7 7.59	−11 47.5	2.032	2.824	14.0	20.2
12 23	6 59.90	−13 10.4	2.007	2.838	12.7	20.1
1 2	6 51.24	−14 3.8	2.005	2.852	12.0	20.1
1 12	6 42.57	−14 25.6	2.027	2.866	12.2	20.2
1 22	6 34.82	−14 17.2	2.072	2.880	13.2	20.2
2 1	6 28.75	−13 43.0	2.138	2.895	14.6	20.4
2 11	6 24.89	−12 49.5	2.223	2.910	16.0	20.5

171866 2001 QV_{72} 1 2.8 128°.21 7°.5/ 5.9 18

12 3	7 11.19	− 6 36.4	2.930	3.665	11.5	20.1
12 13	7 5.55	− 7 1.1	2.869	3.679	9.9	20.0
12 23	6 58.69	− 7 8.7	2.831	3.692	8.5	19.9
1 2	6 51.15	− 6 57.5	2.820	3.704	7.6	19.8
1 12	6 43.61	− 6 27.8	2.836	3.717	7.7	19.9
1 22	6 36.69	− 5 41.5	2.879	3.729	8.7	19.9
2 1	6 30.95	− 4 41.8	2.948	3.740	10.1	20.1
2 11	6 26.80	− 3 33.1	3.040	3.751	11.6	20.2

5560 Amytis 1 2.8 214°.64 1°.6/ 2.5 18 R

12 3	7 19.97	+24 59.8	1.661	2.513	14.0	17.6
12 13	7 12.92	+25 40.7	1.587	2.508	10.0	17.3
12 23	7 3.11	+26 23.2	1.537	2.503	5.5	17.1
1 2	6 51.53	+27 2.1	1.515	2.497	1.6	16.8
1 12	6 39.65	+27 33.3	1.523	2.491	5.1	17.0
1 22	6 28.96	+27 54.5	1.558	2.484	9.7	17.3
2 1	6 20.76	+28 6.4	1.618	2.477	13.8	17.5
2 11	6 15.83	+28 11.1	1.700	2.470	17.3	17.7

107530 2001 DE_{65} 1 2.8 349°.33 1°.5/ 3.1 18

12 3	7 14.72	+18 36.0	1.294	2.161	16.2	19.7
12 13	7 9.51	+18 46.1	1.228	2.155	11.7	19.4
12 23	7 1.37	+19 4.9	1.184	2.151	6.5	19.1
1 2	6 51.39	+19 30.1	1.165	2.147	1.7	18.8
1 12	6 41.16	+19 58.3	1.171	2.144	5.3	19.0
1 22	6 32.31	+20 26.8	1.204	2.141	10.6	19.3
2 1	6 26.17	+20 53.8	1.259	2.140	15.4	19.6
2 11	6 23.53	+21 18.4	1.333	2.139	19.4	19.9

339710 2005 RH_{41} 1 2.8 13°.90 2°.4/ 2.5 18

12 3	7 19.29	+26 20.3	1.248	2.116	16.6	20.3
12 13	7 12.94	+26 55.7	1.188	2.116	11.9	20.0
12 23	7 3.27	+27 30.9	1.150	2.118	6.6	19.7
1 2	6 51.54	+27 59.9	1.138	2.119	2.4	19.5
1 12	6 39.65	+28 18.0	1.152	2.121	6.1	19.7
1 22	6 29.46	+28 23.8	1.191	2.123	11.3	20.0
2 1	6 22.43	+28 19.5	1.252	2.126	16.1	20.3
2 11	6 19.33	+28 8.4	1.332	2.128	19.9	20.6

95267 2002 CQ_{66} 1 2.8 212°.08 2°.2/ 2.4 18

12 3	7 17.86	+29 52.2	2.432	3.270	10.5	20.6
12 13	7 10.72	+30 5.9	2.350	3.264	7.6	20.4
12 23	7 1.65	+30 15.5	2.296	3.257	4.4	20.2
1 2	6 51.41	+30 18.1	2.271	3.249	2.2	20.0
1 12	6 41.06	+30 12.0	2.278	3.241	4.2	20.1
1 22	6 31.59	+29 57.3	2.314	3.232	7.4	20.3
2 1	6 23.91	+29 35.6	2.378	3.223	10.5	20.5
2 11	6 18.60	+29 9.5	2.465	3.213	13.1	20.7

238927 2006 AX_{82} 1 2.8 329°.19 3°.1/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 14.79	+16 53.4	1.192	2.060	17.2	20.2
12 13	7 9.82	+16 36.9	1.119	2.046	12.6	19.8
12 23	7 1.67	+16 30.0	1.067	2.032	7.4	19.5
1 2	6 51.44	+16 32.6	1.040	2.020	3.2	19.2
1 12	6 40.80	+16 43.4	1.037	2.008	6.2	19.4
1 22	6 31.53	+17 0.5	1.059	1.997	11.7	19.6
2 1	6 25.14	+17 22.0	1.102	1.987	16.8	19.9
2 11	6 22.52	+17 45.7	1.164	1.979	21.1	20.1

73120 2002 GS_{55} 1 2.8 136°.17 2°.2/ 2.5 18

12 3	7 21.06	+28 35.5	1.824	2.670	13.2	20.0
12 13	7 13.28	+28 50.6	1.762	2.680	9.4	19.8
12 23	7 3.09	+29 1.7	1.726	2.689	5.3	19.6
1 2	6 51.53	+29 5.0	1.719	2.698	2.2	19.4
1 12	6 40.01	+28 58.5	1.741	2.707	4.9	19.6
1 22	6 29.85	+28 42.7	1.792	2.715	8.9	19.8
2 1	6 22.10	+28 20.1	1.868	2.723	12.5	20.1
2 11	6 17.36	+27 53.7	1.967	2.730	15.5	20.3

461202 2015 VA_{118} 1 2.8 93°.79 2°.2/ 2.4 18

12 3	7 20.83	+26 17.0	1.535	2.390	14.7	20.6
12 13	7 13.42	+27 3.3	1.484	2.406	10.5	20.4
12 23	7 3.26	+27 48.9	1.457	2.422	5.8	20.2
1 2	6 51.55	+28 27.8	1.457	2.437	2.2	20.0
1 12	6 39.86	+28 56.0	1.486	2.453	5.4	20.2
1 22	6 29.72	+29 12.3	1.542	2.468	9.8	20.5
2 1	6 22.30	+29 18.0	1.623	2.482	13.8	20.8
2 11	6 18.24	+29 16.3	1.724	2.497	17.0	21.1

171071 2005 EZ_{156} 1 2.8 154°.96 1°.3/ 2.6 18

12 3	7 14.89	+26 25.5	2.469	3.312	10.2	20.6
12 13	7 8.51	+26 42.5	2.399	3.316	7.3	20.4
12 23	7 0.42	+26 58.3	2.355	3.319	4.0	20.2
1 2	6 51.32	+27 10.3	2.341	3.323	1.3	20.0
1 12	6 42.17	+27 17.0	2.358	3.326	3.6	20.2
1 22	6 33.87	+27 17.8	2.405	3.329	6.9	20.4
2 1	6 27.19	+27 13.5	2.479	3.331	9.9	20.6
2 11	6 22.68	+27 5.3	2.577	3.334	12.4	20.8

40414 1999 RP_{11} 1 2.8 159°.64 0°.4/ 2.9 18

12 3	7 18.76	+21 13.9	1.974	2.816	12.5	19.6
12 13	7 11.50	+21 24.2	1.906	2.823	8.9	19.4
12 23	7 2.10	+21 37.2	1.864	2.828	4.8	19.1
1 2	6 51.47	+21 50.6	1.851	2.834	0.5	18.8
1 12	6 40.77	+22 2.6	1.868	2.838	4.0	19.1
1 22	6 31.15	+22 12.0	1.915	2.842	8.1	19.3
2 1	6 23.57	+22 18.9	1.988	2.846	11.7	19.6
2 11	6 18.64	+22 24.0	2.084	2.848	14.7	19.8

460596 2014 UK_{44} 1 2.9 89°.15 1°.9/ 3.1 18

12 3	7 15.96	+18 15.1	1.845	2.691	13.0	21.1
12 13	7 9.59	+18 1.4	1.778	2.695	9.4	20.9
12 23	7 1.10	+17 52.7	1.736	2.698	5.3	20.7
1 2	6 51.40	+17 48.3	1.722	2.702	1.9	20.5
1 12	6 41.64	+17 47.3	1.737	2.706	4.4	20.6
1 22	6 32.97	+17 48.9	1.780	2.710	8.4	20.9
2 1	6 26.33	+17 52.9	1.849	2.713	12.1	21.1
2 11	6 22.32	+17 58.6	1.940	2.717	15.2	21.4

503676 2016 HH_6 1 2.9 200°.85 4°.5/ 4.2 17

12 3	7 10.83	+ 4 51.9	3.181	3.974	9.5	22.7
12 13	7 5.32	+ 4 35.0	3.098	3.969	7.5	22.6
12 23	6 58.61	+ 4 28.0	3.042	3.964	5.6	22.5
1 2	6 51.21	+ 4 31.9	3.014	3.959	4.5	22.4
1 12	6 43.70	+ 4 46.3	3.017	3.953	5.0	22.4
1 22	6 36.70	+ 5 10.2	3.049	3.947	6.7	22.5
2 1	6 30.76	+ 5 41.9	3.110	3.940	8.7	22.6
2 11	6 26.29	+ 6 19.1	3.194	3.933	10.6	22.8

90108 2002 XB_{35} 1 2.9 183°.23 0°.5/ 2.9 18

12 3	7 18.56	+22 52.4	2.060	2.903	12.0	19.2
12 13	7 11.27	+22 27.1	1.986	2.903	8.6	19.0
12 23	7 1.95	+22 1.3	1.938	2.903	4.6	18.8
1 2	6 51.47	+21 34.2	1.920	2.903	0.6	18.4
1 12	6 40.97	+21 5.9	1.932	2.902	3.9	18.7
1 22	6 31.53	+20 37.2	1.974	2.901	7.9	18.9
2 1	6 24.08	+20 9.5	2.043	2.900	11.5	19.2
2 11	6 19.18	+19 44.1	2.134	2.898	14.4	19.4

105106 2000 LS_{14} 1 2.9 111°.68 1°.4/ 2.7 18

12 3	7 23.72	+26 35.3	2.009	2.846	12.5	20.5
12 13	7 14.75	+26 47.0	1.961	2.875	8.8	20.4
12 23	7 3.70	+26 55.8	1.940	2.904	4.8	20.2
1 2	6 51.62	+26 58.6	1.949	2.931	1.4	20.0
1 12	6 39.77	+26 54.2	1.990	2.957	4.2	20.2
1 22	6 29.34	+26 42.9	2.061	2.983	8.0	20.5
2 1	6 21.19	+26 26.8	2.158	3.007	11.3	20.8
2 11	6 15.82	+26 8.2	2.279	3.030	14.0	21.0

393703 2004 TA_{152} 1 2.9 155°.06 0°.3/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 20.27	+22 57.5	1.889	2.733	12.9	22.6
12 13	7 12.65	+23 11.1	1.823	2.741	9.1	22.4
12 23	7 2.76	+23 26.0	1.783	2.749	4.9	22.2
1 2	6 51.56	+23 39.4	1.773	2.756	0.5	21.8
1 12	6 40.31	+23 49.0	1.792	2.762	4.2	22.1
1 22	6 30.25	+23 54.2	1.840	2.767	8.4	22.4
2 1	6 22.39	+23 55.5	1.915	2.772	12.1	22.7
2 11	6 17.34	+23 54.1	2.012	2.776	15.2	22.9

242963 2006 SS_{50} 1 2.9 36°.31 3°.8/ 2.3 17

12 3	7 19.67	+29 3.9	1.136	2.008	17.5	18.9
12 13	7 12.95	+29 54.0	1.109	2.038	12.4	18.7
12 23	7 3.05	+30 38.3	1.104	2.069	7.2	18.5
1 2	6 51.56	+31 9.7	1.123	2.101	3.8	18.4
1 12	6 40.53	+31 24.3	1.168	2.134	6.7	18.7
1 22	6 31.68	+31 23.0	1.237	2.167	11.3	19.0
2 1	6 26.17	+31 9.6	1.329	2.201	15.4	19.4
2 11	6 24.44	+30 48.5	1.440	2.236	18.7	19.7

458868 2011 UT_{127} 1 2.9 83°.42 2°.0/ 2.4 18

12 3	7 19.80	+25 36.2	1.555	2.411	14.5	21.1
12 13	7 12.69	+26 26.3	1.504	2.427	10.3	20.9
12 23	7 2.90	+27 16.6	1.477	2.442	5.7	20.6
1 2	6 51.57	+28 1.3	1.477	2.458	2.1	20.4
1 12	6 40.25	+28 36.0	1.505	2.473	5.2	20.7
1 22	6 30.41	+28 59.0	1.562	2.488	9.6	21.0
2 1	6 23.20	+29 11.5	1.643	2.503	13.6	21.3
2 11	6 19.27	+29 15.7	1.744	2.518	16.8	21.5

390602 2001 TB_{89} 1 2.9 84°.87 3°.6/ 3.4 17

12 3	7 19.11	+15 1.4	1.426	2.275	16.0	20.4
12 13	7 12.11	+14 38.3	1.373	2.289	11.7	20.2
12 23	7 2.54	+14 25.2	1.344	2.303	7.1	20.0
1 2	6 51.55	+14 22.0	1.340	2.317	3.7	19.8
1 12	6 40.65	+14 27.6	1.364	2.331	5.8	20.0
1 22	6 31.25	+14 40.4	1.415	2.344	10.2	20.3
2 1	6 24.44	+14 58.6	1.490	2.358	14.3	20.5
2 11	6 20.82	+15 20.1	1.585	2.371	17.7	20.8

210404 2007 VO_{299} 1 2.9 312°.83 3°.6/ 4.0 18

12 3	7 11.69	+10 25.4	2.228	3.056	11.8	20.0
12 13	7 6.40	+10 35.3	2.148	3.049	8.9	19.8
12 23	6 59.39	+10 56.7	2.093	3.042	5.9	19.6
1 2	6 51.31	+11 29.1	2.066	3.036	3.7	19.4
1 12	6 43.05	+12 10.8	2.069	3.030	4.8	19.5
1 22	6 35.51	+12 59.2	2.100	3.024	7.7	19.7
2 1	6 29.48	+13 51.5	2.159	3.018	10.8	19.8
2 11	6 25.55	+14 45.0	2.240	3.012	13.6	20.0

472344 2015 AE_{261} 1 2.9 176°.78 4°.2/ 3.8 18

12 3	7 12.16	+ 8 30.8	2.656	3.467	10.6	21.4
12 13	7 6.42	+ 8 7.9	2.581	3.469	8.1	21.2
12 23	6 59.27	+ 7 54.5	2.532	3.470	5.7	21.1
1 2	6 51.30	+ 7 51.2	2.512	3.470	4.3	21.0
1 12	6 43.26	+ 7 58.1	2.522	3.471	5.0	21.0
1 22	6 35.88	+ 8 13.9	2.561	3.471	7.2	21.2
2 1	6 29.80	+ 8 37.0	2.628	3.470	9.7	21.3
2 11	6 25.50	+ 9 5.3	2.718	3.470	11.9	21.5

490081 2008 TX_{150} 1 2.9 126°.05 2°.3/ 2.4 17

12 3	7 20.42	+26 41.8	1.477	2.334	15.0	22.1
12 13	7 13.39	+27 19.5	1.415	2.338	10.8	21.9
12 23	7 3.41	+27 56.5	1.377	2.342	6.0	21.6
1 2	6 51.64	+28 27.0	1.365	2.346	2.3	21.4
1 12	6 39.74	+28 46.8	1.381	2.349	5.6	21.6
1 22	6 29.33	+28 55.0	1.425	2.352	10.3	21.9
2 1	6 21.73	+28 53.1	1.492	2.355	14.5	22.1
2 11	6 17.66	+28 44.3	1.579	2.358	18.0	22.4

4968 Suzamur 1 2.9 38°.89 2°.0/ 3.3 18

12 3	7 15.91	+16 45.2	1.437	2.293	15.5	16.3
12 13	7 10.00	+17 3.1	1.379	2.301	11.2	16.1
12 23	7 1.51	+17 31.0	1.345	2.309	6.3	15.8
1 2	6 51.49	+18 6.3	1.337	2.318	2.1	15.6
1 12	6 41.40	+18 45.4	1.357	2.328	5.0	15.8
1 22	6 32.67	+19 25.2	1.402	2.337	9.7	16.1
2 1	6 26.43	+20 3.2	1.473	2.347	14.0	16.4
2 11	6 23.34	+20 38.0	1.563	2.358	17.5	16.7

324506 2006 VZ_5 1 2.9 11°.67 3°.8/ 2.1 18

12 3	7 12.87	+27 46.0	1.045	1.930	17.6	19.8
12 13	7 8.70	+28 45.9	1.000	1.935	12.6	19.6
12 23	7 1.11	+29 44.7	0.975	1.943	7.3	19.3
1 2	6 51.46	+30 33.8	0.974	1.952	3.8	19.2
1 12	6 41.77	+31 7.3	0.996	1.964	7.1	19.4
1 22	6 33.97	+31 23.1	1.042	1.977	12.2	19.7
2 1	6 29.50	+31 23.4	1.108	1.992	16.8	20.0
2 11	6 29.01	+31 12.3	1.192	2.009	20.6	20.3

61587 2000 QJ_{84} 1 2.9 106°.70 1°.8/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 17.84	+27 16.1	1.967	2.815	12.3	19.8
12 13	7 10.91	+27 34.9	1.906	2.825	8.7	19.6
12 23	7 1.82	+27 51.4	1.871	2.835	4.8	19.3
1 2	6 51.52	+28 2.3	1.864	2.845	1.8	19.1
1 12	6 41.22	+28 5.6	1.887	2.854	4.4	19.3
1 22	6 32.10	+28 1.1	1.939	2.864	8.2	19.6
2 1	6 25.08	+27 50.2	2.017	2.873	11.6	19.8
2 11	6 20.77	+27 35.1	2.117	2.882	14.5	20.0

274190 2008 GB_{146} 1 2.9 141°.02 0°.8/ 3.0 18

12 3	7 21.48	+20 10.3	1.685	2.529	14.2	22.3
12 13	7 13.63	+20 17.7	1.625	2.542	10.1	22.0
12 23	7 3.34	+20 29.2	1.589	2.553	5.5	21.8
1 2	6 51.65	+20 42.3	1.582	2.564	1.0	21.5
1 12	6 39.96	+20 54.9	1.604	2.574	4.5	21.8
1 22	6 29.63	+21 5.7	1.655	2.584	9.0	22.1
2 1	6 21.72	+21 14.7	1.732	2.592	13.0	22.3
2 11	6 16.85	+21 22.3	1.830	2.600	16.3	22.6

416268 2003 FR_{96} 1 2.9 287°.03 7°.2/ 3.9 18

12 3	7 13.78	+ 4 42.9	1.858	2.671	14.4	21.2
12 13	7 8.14	+ 3 56.4	1.779	2.661	11.5	21.0
12 23	7 0.43	+ 3 25.3	1.723	2.650	8.8	20.8
1 2	6 51.43	+ 3 12.5	1.693	2.639	7.3	20.7
1 12	6 42.19	+ 3 19.2	1.690	2.628	8.0	20.7
1 22	6 33.81	+ 3 43.9	1.714	2.617	10.6	20.8
2 1	6 27.25	+ 4 23.4	1.762	2.607	13.6	21.0
2 11	6 23.18	+ 5 13.2	1.831	2.596	16.4	21.2

499853 2011 EF_{43} 1 2.9 306°.58 2°.6/ 2.9 17

12 3	7 20.80	+31 40.0	1.760	2.608	13.5	20.6
12 13	7 13.50	+31 13.7	1.668	2.585	9.9	20.3
12 23	7 3.45	+30 37.3	1.601	2.563	5.8	20.0
1 2	6 51.68	+29 48.0	1.561	2.540	2.7	19.8
1 12	6 39.67	+28 45.6	1.551	2.518	5.2	19.9
1 22	6 28.94	+27 33.0	1.570	2.496	9.6	20.1
2 1	6 20.73	+26 15.4	1.614	2.475	13.8	20.3
2 11	6 15.79	+24 58.2	1.680	2.453	17.4	20.5

354518 2004 RM_{47} 1 2.9 100°.39 2°.0/ 3.3 18

12 3	7 20.23	+17 2.4	1.628	2.471	14.6	21.4
12 13	7 12.65	+17 7.8	1.578	2.493	10.5	21.2
12 23	7 2.75	+17 20.7	1.553	2.515	6.0	21.0
1 2	6 51.60	+17 39.0	1.556	2.536	2.1	20.8
1 12	6 40.59	+18 0.3	1.587	2.557	4.7	21.0
1 22	6 30.99	+18 22.9	1.647	2.577	9.0	21.3
2 1	6 23.79	+18 45.5	1.733	2.596	12.9	21.6
2 11	6 19.54	+19 7.2	1.840	2.615	16.0	21.9

486736 2014 DQ_{140} 1 2.9 191°.93 3°.7/ 2.2 18

12 3	7 23.37	+31 13.1	1.754	2.599	13.7	22.2
12 13	7 15.30	+31 49.9	1.683	2.597	10.0	22.0
12 23	7 4.41	+32 21.1	1.637	2.596	6.1	21.7
1 2	6 51.76	+32 41.1	1.618	2.593	3.7	21.6
1 12	6 38.92	+32 46.0	1.630	2.590	6.0	21.7
1 22	6 27.45	+32 35.9	1.669	2.585	9.9	21.9
2 1	6 18.61	+32 13.9	1.733	2.581	13.7	22.1
2 11	6 13.15	+31 44.5	1.819	2.575	16.8	22.3

309504 2007 VD_{323} 1 2.9 33°.87 3°.3/ 2.5 18

12 3	7 19.91	+30 26.4	1.418	2.279	15.4	20.0
12 13	7 13.06	+30 40.8	1.361	2.284	11.1	19.8
12 23	7 3.21	+30 48.7	1.326	2.290	6.5	19.5
1 2	6 51.65	+30 45.3	1.318	2.296	3.3	19.3
1 12	6 40.13	+30 28.4	1.337	2.303	6.0	19.5
1 22	6 30.31	+29 59.3	1.381	2.309	10.5	19.8
2 1	6 23.44	+29 21.9	1.450	2.317	14.7	20.1
2 11	6 20.15	+28 40.9	1.538	2.324	18.2	20.3

397571 2007 UG_{53} 1 2.9 165°.96 0°.3/ 2.9 18

12 3	7 18.71	+21 15.6	1.988	2.830	12.4	22.1
12 13	7 11.50	+21 27.3	1.919	2.835	8.8	21.9
12 23	7 2.17	+21 41.9	1.875	2.840	4.8	21.6
1 2	6 51.58	+21 56.9	1.860	2.843	0.5	21.3
1 12	6 40.90	+22 10.3	1.876	2.846	4.0	21.6
1 22	6 31.28	+22 21.0	1.921	2.849	8.1	21.9
2 1	6 23.67	+22 29.1	1.993	2.851	11.7	22.1
2 11	6 18.70	+22 35.0	2.087	2.852	14.7	22.3

156764 2003 AN_{13} 1 2.9 26°.99 5°.0/ 3.4 18

12 3	7 17.57	+13 18.0	1.309	2.161	16.9	19.5
12 13	7 11.34	+12 37.0	1.248	2.163	12.7	19.2
12 23	7 2.31	+12 7.9	1.209	2.166	8.1	19.0
1 2	6 51.60	+11 52.2	1.195	2.168	5.0	18.8
1 12	6 40.81	+11 50.3	1.208	2.171	7.0	18.9
1 22	6 31.48	+12 0.6	1.246	2.175	11.3	19.2
2 1	6 24.84	+12 20.7	1.306	2.178	15.6	19.4
2 11	6 21.60	+12 47.4	1.386	2.182	19.3	19.7

469001 2015 AG_{193} 1 2.9 277°.81 2°.1/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 13.07	+14 55.2	2.201	3.038	11.6	20.8
12 13	7 7.44	+15 16.0	2.122	3.032	8.4	20.6
12 23	6 59.99	+15 45.4	2.068	3.027	5.0	20.4
1 2	6 51.42	+16 21.9	2.043	3.022	2.2	20.2
1 12	6 42.66	+17 3.1	2.048	3.016	4.0	20.3
1 22	6 34.65	+17 46.5	2.082	3.011	7.5	20.5
2 1	6 28.23	+18 30.0	2.144	3.006	10.8	20.7
2 11	6 24.02	+19 11.9	2.229	3.000	13.7	20.9

391571 2007 TW_{228} 1 2.9 53°.69 4°.1/ 3.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.52	+10 44.4	2.232	3.058	11.8	21.2
12 13	7 6.88	+10 17.9	2.164	3.063	8.9	21.0
12 23	6 59.60	+10 0.9	2.121	3.067	6.0	20.8
1 2	6 51.39	+ 9 54.1	2.106	3.072	4.2	20.7
1 12	6 43.12	+ 9 57.5	2.121	3.076	5.2	20.8
1 22	6 35.67	+10 9.8	2.164	3.081	7.9	21.0
2 1	6 29.78	+10 29.5	2.233	3.086	10.8	21.2
2 11	6 25.96	+10 54.1	2.325	3.091	13.3	21.4

820 Adriana 1 2.9 146°.17 0°.7/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.30	+19 23.0	2.416	3.256	10.5	15.5
12 13	7 7.43	+19 40.7	2.343	3.259	7.5	15.4
12 23	6 59.91	+20 2.5	2.298	3.262	4.1	15.1
1 2	6 51.42	+20 26.6	2.282	3.264	0.8	14.9
1 12	6 42.82	+20 51.2	2.296	3.267	3.3	15.1
1 22	6 35.00	+21 14.8	2.341	3.269	6.8	15.3
2 1	6 28.69	+21 36.4	2.413	3.271	9.9	15.5
2 11	6 24.44	+21 55.8	2.508	3.273	12.5	15.7

77099 2001 DN_{61} 1 2.9 59°.22 0°.6/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 22.67	+24 36.3	1.107	1.976	18.1	18.5
12 13	7 15.14	+24 30.3	1.066	1.995	12.8	18.3
12 23	7 4.31	+24 23.9	1.047	2.015	6.9	18.0
1 2	6 51.76	+24 13.8	1.052	2.036	0.8	17.7
1 12	6 39.57	+23 58.5	1.084	2.056	5.7	18.1
1 22	6 29.59	+23 39.1	1.140	2.077	11.3	18.5
2 1	6 23.05	+23 18.3	1.219	2.097	16.0	18.8
2 11	6 20.45	+22 58.0	1.316	2.118	19.8	19.1

404152 2013 CK_{38} 1 2.9 297°.28 4°.3/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.97	+31 30.7	1.443	2.302	15.3	20.8
12 13	7 13.55	+32 3.3	1.362	2.283	11.3	20.6
12 23	7 3.78	+32 30.3	1.303	2.265	7.0	20.3
1 2	6 51.75	+32 44.9	1.271	2.246	4.3	20.1
1 12	6 39.24	+32 42.5	1.266	2.228	6.9	20.2
1 22	6 28.13	+32 22.9	1.286	2.210	11.5	20.4
2 1	6 20.00	+31 49.7	1.329	2.192	16.0	20.6
2 11	6 15.78	+31 8.4	1.392	2.175	19.9	20.8

1196 Sheba 1 2.9 77°.44 0°.2/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.49	+19 21.7	1.730	2.577	13.7	14.3
12 13	7 11.55	+20 34.5	1.677	2.596	9.7	14.1
12 23	7 2.27	+21 54.3	1.650	2.616	5.2	13.9
1 2	6 51.62	+23 15.4	1.652	2.635	0.4	13.5
1 12	6 40.91	+24 32.0	1.683	2.654	4.3	13.9
1 22	6 31.40	+25 39.8	1.744	2.673	8.7	14.2
2 1	6 24.15	+26 37.1	1.831	2.691	12.4	14.5
2 11	6 19.79	+27 24.1	1.941	2.710	15.5	14.7

293084 2006 WS_{190} 1 2.9 82°.04 1°.7/ 2.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.93	+25 44.0	1.787	2.636	13.3	20.9
12 13	7 12.41	+26 22.4	1.743	2.663	9.4	20.8
12 23	7 2.63	+26 59.9	1.724	2.689	5.1	20.6
1 2	6 51.64	+27 31.9	1.733	2.715	1.7	20.4
1 12	6 40.80	+27 55.4	1.773	2.740	4.6	20.6
1 22	6 31.35	+28 9.6	1.840	2.765	8.5	20.9
2 1	6 24.24	+28 15.7	1.934	2.790	12.0	21.2
2 11	6 20.02	+28 15.6	2.049	2.814	14.9	21.4

113887 2002 TC_{267} 1 2.9 93°.23 4°.3/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.96	+12 26.8	1.819	2.651	13.8	19.6
12 13	7 10.84	+11 47.2	1.767	2.670	10.3	19.4
12 23	7 1.73	+11 17.3	1.739	2.689	6.7	19.3
1 2	6 51.59	+10 58.2	1.739	2.708	4.4	19.2
1 12	6 41.57	+10 50.0	1.768	2.727	5.7	19.3
1 22	6 32.75	+10 51.7	1.826	2.745	9.0	19.5
2 1	6 26.00	+11 1.8	1.909	2.763	12.3	19.7
2 11	6 21.83	+11 17.8	2.014	2.781	15.1	20.0

132045 2002 CY_{132} 1 2.9 253°.01 0°.5/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.25	+21 3.2	1.704	2.554	13.7	20.6
12 13	7 11.66	+21 11.4	1.622	2.542	9.9	20.3
12 23	7 2.50	+21 23.5	1.564	2.530	5.4	20.0
1 2	6 51.67	+21 37.0	1.534	2.517	0.7	19.7
1 12	6 40.52	+21 49.6	1.533	2.504	4.5	19.9
1 22	6 30.42	+21 59.9	1.560	2.491	9.3	20.2
2 1	6 22.59	+22 7.9	1.612	2.477	13.5	20.4
2 11	6 17.81	+22 14.0	1.685	2.463	17.1	20.6

2701 Cherson 1 2.9 147°.54 2°.4/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 15.30	+30 34.7	2.693	3.532	9.6	18.1
12 13	7 8.78	+31 0.3	2.626	3.538	7.0	18.0
12 23	7 0.62	+31 22.1	2.585	3.544	4.2	17.8
1 2	6 51.50	+31 37.2	2.574	3.550	2.4	17.7
1 12	6 42.34	+31 43.9	2.595	3.555	4.0	17.8
1 22	6 34.00	+31 42.0	2.645	3.560	6.8	18.0
2 1	6 27.23	+31 32.5	2.723	3.565	9.4	18.2
2 11	6 22.55	+31 17.4	2.824	3.569	11.7	18.3

83136 2001 QG_{261} 1 2.9 21°.78 7°.3/ 4.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.99	+ 2 39.1	2.093	2.895	13.4	19.0
12 13	7 6.59	+ 1 45.4	2.028	2.898	10.9	18.8
12 23	6 59.50	+ 1 7.3	1.986	2.901	8.6	18.7
1 2	6 51.42	+ 0 47.5	1.971	2.905	7.4	18.6
1 12	6 43.27	+ 0 46.9	1.983	2.909	7.9	18.7
1 22	6 35.96	+ 1 4.0	2.022	2.914	9.8	18.8
2 1	6 30.25	+ 1 36.0	2.085	2.918	12.2	19.0
2 11	6 26.68	+ 2 18.6	2.170	2.923	14.5	19.1

170066 2002 VU_{106} 1 2.9 190°.89 6°.1/31.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.08	+41 12.6	2.451	3.273	11.0	20.3
12 13	7 11.95	+42 17.3	2.385	3.272	8.8	20.2
12 23	7 2.53	+43 11.6	2.345	3.271	6.8	20.0
1 2	6 51.67	+43 49.8	2.333	3.270	6.1	20.0
1 12	6 40.60	+44 8.6	2.350	3.269	7.2	20.1
1 22	6 30.55	+44 7.7	2.394	3.268	9.3	20.2
2 1	6 22.57	+43 50.0	2.463	3.267	11.5	20.3
2 11	6 17.34	+43 19.8	2.554	3.265	13.6	20.5

426958 2013 YB_{37} 1 2.9 211°.30 6°.0/ 4.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.81	+ 3 58.8	2.491	3.289	11.6	21.4
12 13	7 6.29	+ 3 17.7	2.417	3.288	9.3	21.2
12 23	6 59.28	+ 2 49.1	2.368	3.287	7.2	21.1
1 2	6 51.41	+ 2 34.9	2.346	3.285	6.0	21.0
1 12	6 43.44	+ 2 35.5	2.353	3.284	6.5	21.0
1 22	6 36.15	+ 2 50.0	2.388	3.282	8.4	21.2
2 1	6 30.21	+ 3 16.3	2.449	3.281	10.7	21.3
2 11	6 26.13	+ 3 51.1	2.533	3.279	12.9	21.5

144554 2004 FP_{6} 1 2.9 283°.82 6°.7/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 21.88	+39 0.2	1.739	2.577	14.1	20.0
12 13	7 14.58	+39 43.2	1.664	2.566	11.0	19.7
12 23	7 4.18	+40 14.1	1.613	2.555	8.0	19.5
1 2	6 51.82	+40 25.4	1.588	2.543	6.7	19.4
1 12	6 39.20	+40 13.3	1.591	2.532	8.1	19.5
1 22	6 28.05	+39 38.5	1.620	2.521	11.3	19.7
2 1	6 19.77	+38 46.1	1.673	2.509	14.6	19.8
2 11	6 15.14	+37 43.1	1.746	2.498	17.6	20.0

268812 2006 VS_{27} 1 2.9 117°.40 1°.8/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 23.06	+18 24.2	1.574	2.417	15.1	20.9
12 13	7 14.73	+18 19.8	1.523	2.438	10.8	20.7
12 23	7 3.92	+18 21.2	1.496	2.458	6.0	20.5
1 2	6 51.79	+18 26.4	1.497	2.478	1.9	20.3
1 12	6 39.81	+18 33.8	1.527	2.497	4.8	20.5
1 22	6 29.38	+18 42.4	1.586	2.515	9.4	20.8
2 1	6 21.53	+18 51.6	1.671	2.532	13.4	21.1
2 11	6 16.84	+19 1.4	1.776	2.548	16.6	21.4

283933 2004 PS_{30} 1 2.9 123°.47 0°.3/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 21.04	+21 0.4	1.825	2.668	13.3	21.5
12 13	7 13.17	+21 20.2	1.770	2.687	9.5	21.3
12 23	7 3.06	+21 43.2	1.740	2.705	5.1	21.1
1 2	6 51.72	+22 6.4	1.740	2.723	0.5	20.8
1 12	6 40.44	+22 27.2	1.769	2.740	4.1	21.1
1 22	6 30.45	+22 44.3	1.828	2.756	8.4	21.4
2 1	6 22.71	+22 57.7	1.913	2.771	12.1	21.6
2 11	6 17.82	+23 7.9	2.020	2.785	15.1	21.9

62049 2000 RH_{67} 1 2.9 54°.74 1°.1/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.00	+19 9.1	1.273	2.135	16.7	18.9
12 13	7 12.26	+19 27.8	1.232	2.157	11.9	18.6
12 23	7 2.73	+19 53.8	1.213	2.179	6.5	18.4
1 2	6 51.70	+20 23.6	1.220	2.202	1.3	18.1
1 12	6 40.86	+20 53.3	1.253	2.225	5.1	18.5
1 22	6 31.78	+21 20.6	1.313	2.249	10.2	18.8
2 1	6 25.56	+21 44.4	1.396	2.272	14.5	19.1
2 11	6 22.77	+22 4.5	1.499	2.296	18.1	19.4

465562 2008 WV_{82} 1 2.9 56°.30 2°.7/ 1.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.19	+27 29.3	2.150	2.996	11.4	21.3
12 13	7 9.88	+28 43.2	2.081	2.999	8.2	21.1
12 23	7 1.42	+29 57.3	2.039	3.001	4.8	20.9
1 2	6 51.61	+31 6.0	2.027	3.004	2.7	20.8
1 12	6 41.54	+32 4.7	2.045	3.006	4.9	21.0
1 22	6 32.35	+32 50.8	2.093	3.009	8.2	21.2
2 1	6 25.04	+33 24.1	2.167	3.011	11.4	21.4
2 11	6 20.30	+33 46.4	2.263	3.014	14.1	21.6

137843 2000 AM_{37} 1 2.9 276°.51 1°.3/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 19.92	+27 22.7	1.714	2.565	13.6	19.1
12 13	7 12.85	+27 8.7	1.632	2.553	9.8	18.8
12 23	7 3.12	+26 50.2	1.575	2.540	5.4	18.6
1 2	6 51.75	+26 24.8	1.545	2.527	1.4	18.2
1 12	6 40.19	+25 51.6	1.544	2.514	4.7	18.5
1 22	6 29.86	+25 12.1	1.572	2.501	9.4	18.7
2 1	6 21.97	+24 29.3	1.625	2.488	13.6	18.9
2 11	6 17.25	+23 46.6	1.699	2.475	17.1	19.1

425469 2010 EX_{106} 1 2.9 314°.48 0°.1/ 2.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.64	+21 59.8	1.960	2.812	12.1	21.0
12 13	7 8.16	+22 22.3	1.877	2.798	8.7	20.8
12 23	7 0.54	+22 48.4	1.818	2.785	4.7	20.5
1 2	6 51.54	+23 15.3	1.788	2.771	0.4	20.2
1 12	6 42.26	+23 40.5	1.787	2.758	4.0	20.4
1 22	6 33.84	+24 2.1	1.815	2.746	8.2	20.7
2 1	6 27.29	+24 19.5	1.868	2.733	12.0	20.9
2 11	6 23.31	+24 32.9	1.943	2.721	15.2	21.1

116477 2004 BL_5 1 2.9 219°.05 1°.5/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.32	+15 45.5	2.502	3.334	10.5	20.2
12 13	7 7.48	+16 17.6	2.420	3.330	7.6	20.0
12 23	7 0.00	+16 57.2	2.366	3.326	4.4	19.8
1 2	6 51.50	+17 42.2	2.341	3.321	1.6	19.6
1 12	6 42.81	+18 30.1	2.347	3.316	3.4	19.7
1 22	6 34.77	+19 18.6	2.384	3.311	6.7	19.9
2 1	6 28.15	+20 5.6	2.448	3.305	9.8	20.1
2 11	6 23.51	+20 49.8	2.537	3.300	12.4	20.3

55543 Nemeghaire 1 2.9 166°.40 0°.8/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.17	+23 4.9	2.256	3.097	11.2	19.2
12 13	7 10.37	+23 52.6	2.184	3.101	7.9	19.0
12 23	7 1.60	+24 42.8	2.140	3.105	4.3	18.8
1 2	6 51.63	+25 31.8	2.125	3.108	0.9	18.5
1 12	6 41.49	+26 16.0	2.142	3.110	3.8	18.8
1 22	6 32.21	+26 53.4	2.189	3.113	7.4	19.0
2 1	6 24.68	+27 23.3	2.263	3.114	10.7	19.2
2 11	6 19.54	+27 46.4	2.360	3.116	13.5	19.4

129622 1998 FV_2 1 2.9 254°.28 2°.8/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.39	+16 17.0	1.661	2.506	14.3	20.3
12 13	7 10.98	+15 58.5	1.583	2.498	10.5	20.1
12 23	7 2.11	+15 47.2	1.529	2.490	6.2	19.8
1 2	6 51.68	+15 43.0	1.503	2.481	2.9	19.6
1 12	6 41.02	+15 45.0	1.505	2.472	5.2	19.7
1 22	6 31.44	+15 52.4	1.534	2.463	9.6	19.9
2 1	6 24.08	+16 4.1	1.589	2.454	13.7	20.1
2 11	6 19.68	+16 18.9	1.664	2.445	17.2	20.4

343224 2009 WO_{82} 1 2.9 115°.24 2°.6/ 2.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 24.15	+28 17.1	1.476	2.329	15.4	21.4
12 13	7 15.89	+28 39.5	1.424	2.344	11.0	21.2
12 23	7 4.70	+28 57.9	1.395	2.359	6.2	21.0
1 2	6 51.89	+29 7.0	1.393	2.373	2.6	20.8
1 12	6 39.20	+29 4.1	1.420	2.387	5.6	21.0
1 22	6 28.28	+28 50.0	1.474	2.400	10.2	21.3
2 1	6 20.32	+28 27.9	1.553	2.413	14.3	21.6
2 11	6 15.95	+28 1.7	1.652	2.425	17.6	21.8

52535 1996 TU_{19} 1 2.9 123°.69 3°.0/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.04	+32 30.0	2.374	3.214	10.7	19.6
12 13	7 10.19	+32 46.7	2.308	3.220	7.8	19.4
12 23	7 1.44	+32 57.3	2.269	3.225	4.8	19.2
1 2	6 51.63	+32 58.9	2.258	3.231	3.0	19.1
1 12	6 41.82	+32 49.8	2.278	3.236	4.6	19.2
1 22	6 33.02	+32 30.6	2.327	3.241	7.6	19.4
2 1	6 26.07	+32 3.4	2.402	3.247	10.4	19.6
2 11	6 21.53	+31 31.0	2.501	3.252	12.9	19.8

126416 2002 BH_{25} 1 2.9 238°.02 0°.7/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.18	+23 54.9	1.786	2.635	13.3	20.1
12 13	7 12.29	+24 12.1	1.705	2.625	9.5	19.9
12 23	7 2.85	+24 30.6	1.648	2.614	5.2	19.6
1 2	6 51.78	+24 47.0	1.619	2.602	0.8	19.3
1 12	6 40.39	+24 58.6	1.620	2.590	4.5	19.5
1 22	6 30.08	+25 4.4	1.649	2.578	9.1	19.8
2 1	6 22.01	+25 4.8	1.704	2.565	13.2	20.0
2 11	6 16.96	+25 1.6	1.780	2.552	16.6	20.2

378782 2008 SH_{31} 1 2.9 131°.16 4°.0/ 2.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.87	+35 0.4	2.262	3.098	11.3	21.1
12 13	7 11.60	+35 24.6	2.198	3.105	8.4	21.0
12 23	7 2.25	+35 40.8	2.160	3.111	5.6	20.8
1 2	6 51.72	+35 45.0	2.151	3.117	4.0	20.7
1 12	6 41.19	+35 35.5	2.171	3.123	5.4	20.8
1 22	6 31.79	+35 12.9	2.220	3.129	8.2	21.0
2 1	6 24.46	+34 40.0	2.296	3.134	11.1	21.2
2 11	6 19.74	+34 0.7	2.394	3.140	13.5	21.4

334457 2002 OH_{21} 1 2.9 96°.03 3°.3/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.92	+29 51.8	1.596	2.438	14.9	21.1
12 13	7 18.19	+30 32.6	1.559	2.473	10.7	20.9
12 23	7 5.76	+31 6.8	1.547	2.507	6.2	20.7
1 2	6 52.00	+31 28.6	1.564	2.540	3.3	20.6
1 12	6 38.63	+31 35.2	1.610	2.572	5.7	20.8
1 22	6 27.18	+31 27.8	1.685	2.603	9.7	21.1
2 1	6 18.71	+31 10.1	1.786	2.633	13.3	21.4
2 11	6 13.72	+30 46.5	1.907	2.662	16.2	21.7

377260 2004 CQ_{106} 1 2.9 304°.13 3°.3/ 3.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.25	+14 21.3	2.086	2.924	12.1	20.7
12 13	7 7.74	+13 52.1	1.994	2.903	9.0	20.4
12 23	7 0.28	+13 29.4	1.926	2.881	5.7	20.2
1 2	6 51.57	+13 14.0	1.886	2.860	3.4	20.0
1 12	6 42.59	+13 6.2	1.876	2.839	4.9	20.0
1 22	6 34.34	+13 5.6	1.894	2.818	8.4	20.2
2 1	6 27.74	+13 11.4	1.938	2.798	11.9	20.4
2 11	6 23.46	+13 22.2	2.004	2.777	14.9	20.6

28915 2000 OU_{13} 1 2.9 85°.81 0°.3/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.63	+23 22.5	2.385	3.228	10.6	19.3
12 13	7 8.33	+23 35.3	2.327	3.245	7.4	19.1
12 23	7 0.40	+23 48.7	2.296	3.262	4.0	18.9
1 2	6 51.57	+24 0.9	2.295	3.278	0.4	18.7
1 12	6 42.78	+24 10.2	2.325	3.295	3.3	18.9
1 22	6 34.90	+24 16.2	2.384	3.311	6.7	19.2
2 1	6 28.65	+24 18.9	2.470	3.327	9.7	19.4
2 11	6 24.53	+24 19.0	2.580	3.343	12.2	19.6

493504 2015 BU_{87} 1 2.9 187°.39 0°.8/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.34	+25 16.4	2.634	3.475	9.7	21.5
12 13	7 8.13	+25 24.6	2.558	3.474	6.9	21.4
12 23	7 0.32	+25 32.0	2.509	3.474	3.7	21.2
1 2	6 51.58	+25 36.8	2.490	3.473	0.8	20.9
1 12	6 42.76	+25 37.8	2.503	3.472	3.3	21.1
1 22	6 34.70	+25 34.7	2.545	3.470	6.5	21.3
2 1	6 28.13	+25 27.9	2.616	3.469	9.4	21.5
2 11	6 23.57	+25 18.6	2.710	3.467	11.8	21.7

424143 2007 GV_2 1 2.9 215°.44 4°.1/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.93	+34 4.7	2.126	2.966	11.8	21.8
12 13	7 11.88	+34 39.5	2.053	2.962	8.8	21.6
12 23	7 2.53	+35 7.3	2.005	2.958	5.7	21.4
1 2	6 51.77	+35 23.6	1.987	2.954	4.1	21.3
1 12	6 40.86	+35 25.3	1.997	2.950	5.7	21.4
1 22	6 31.04	+35 12.8	2.036	2.946	8.8	21.6
2 1	6 23.36	+34 48.3	2.101	2.941	11.9	21.8
2 11	6 18.47	+34 15.9	2.188	2.936	14.6	22.0

450933 2008 FY_{14} 1 2.9 302°.72 0°.4/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.27	+21 41.1	1.609	2.466	14.1	21.1
12 13	7 10.54	+21 44.8	1.518	2.442	10.2	20.8
12 23	7 2.08	+21 51.9	1.451	2.417	5.6	20.5
1 2	6 51.76	+22 0.3	1.410	2.393	0.6	20.1
1 12	6 40.94	+22 7.6	1.397	2.369	4.8	20.3
1 22	6 31.10	+22 12.6	1.411	2.345	9.8	20.5
2 1	6 23.56	+22 15.3	1.450	2.321	14.4	20.7
2 11	6 19.22	+22 16.5	1.509	2.298	18.3	20.9

430610 2002 WM_7 1 2.9 20°.52 5°.7/ 1.2 15

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.34	+34 0.0	1.671	2.526	13.7	20.3
12 13	7 10.52	+35 25.8	1.619	2.534	10.3	20.1
12 23	7 1.96	+36 44.8	1.592	2.544	7.0	20.0
1 2	6 51.74	+37 49.2	1.591	2.554	5.7	19.9
1 12	6 41.34	+38 33.6	1.618	2.565	7.5	20.0
1 22	6 32.29	+38 56.6	1.671	2.577	10.6	20.2
2 1	6 25.80	+39 0.7	1.748	2.590	13.8	20.5
2 11	6 22.60	+38 50.6	1.845	2.603	16.6	20.7

58943 1998 QF_{37} 1 2.9 43°.37 3°.8/ 3.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.71	+14 47.1	1.194	2.053	17.8	18.4
12 13	7 11.91	+14 30.6	1.164	2.085	12.9	18.2
12 23	7 2.47	+14 26.8	1.156	2.117	7.7	18.0
1 2	6 51.76	+14 34.6	1.173	2.151	3.9	17.9
1 12	6 41.48	+14 51.8	1.217	2.185	6.1	18.1
1 22	6 33.06	+15 15.5	1.285	2.219	10.5	18.4
2 1	6 27.51	+15 42.9	1.377	2.254	14.6	18.8
2 11	6 25.26	+16 11.5	1.488	2.289	18.0	19.1

202620 2006 HX_{73} 1 2.9 106°.14 3°.5/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.69	+30 59.3	2.178	3.023	11.4	20.1
12 13	7 10.24	+31 57.8	2.112	3.026	8.3	19.9
12 23	7 1.63	+32 53.0	2.072	3.030	5.2	19.7
1 2	6 51.71	+33 39.6	2.061	3.033	3.5	19.6
1 12	6 41.61	+34 14.0	2.080	3.036	5.3	19.7
1 22	6 32.47	+34 34.8	2.127	3.039	8.4	19.9
2 1	6 25.27	+34 43.2	2.201	3.042	11.4	20.1
2 11	6 20.68	+34 41.8	2.296	3.045	14.0	20.3

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
104373 2000 FV_{29}			1 2.9 202.°31	7.°1/31.9 18		
	h m	° ′			°	m
12 3	7 24.46	+44 15.1	2.397	3.204	11.7	21.3
12 13	7 15.97	+45 16.2	2.326	3.200	9.5	21.2
12 23	7 4.81	+46 4.1	2.280	3.194	7.7	21.1
1 2	6 51.99	+46 32.3	2.263	3.188	7.1	21.0
1 12	6 38.92	+46 37.2	2.274	3.182	8.0	21.1
1 22	6 27.05	+46 19.2	2.312	3.174	10.0	21.2
2 1	6 17.60	+45 42.4	2.375	3.166	12.3	21.3
2 11	6 11.30	+44 52.6	2.460	3.158	14.4	21.5
350637 2001 TC_{72}			1 2.9 52.°99	2.°8/ 2.3 18		
12 3	7 21.78	+25 50.3	1.147	2.015	17.6	19.9
12 13	7 14.59	+26 54.4	1.113	2.042	12.5	19.7
12 23	7 4.13	+27 57.9	1.102	2.068	6.9	19.5
1 2	6 51.91	+28 52.3	1.115	2.096	2.8	19.3
1 12	6 39.98	+29 32.0	1.155	2.123	6.3	19.6
1 22	6 30.16	+29 55.6	1.220	2.151	11.3	20.0
2 1	6 23.72	+30 5.4	1.308	2.179	15.7	20.3
2 11	6 21.19	+30 5.2	1.414	2.207	19.2	20.6
238923 2006 AG_{43}			1 2.9 263.°70	1.°3/ 3.1 18		
12 3	7 18.46	+19 25.3	1.624	2.474	14.3	21.3
12 13	7 11.98	+19 27.8	1.539	2.458	10.4	21.1
12 23	7 2.80	+19 35.9	1.477	2.442	5.8	20.7
1 2	6 51.83	+19 47.6	1.443	2.425	1.4	20.4
1 12	6 40.44	+20 0.8	1.438	2.408	4.8	20.6
1 22	6 30.10	+20 14.0	1.460	2.391	9.7	20.9
2 1	6 22.08	+20 26.6	1.506	2.374	14.2	21.1
2 11	6 17.24	+20 38.4	1.574	2.356	18.0	21.3
307764 2003 VF_{10}			1 2.9 75.°84	14.°7/ 2.4 18		
12 3	7 24.06	+ 1 24.0	1.020	1.846	22.6	19.8
12 13	7 16.22	− 1 34.0	0.979	1.858	19.0	19.6
12 23	7 5.04	− 4 4.8	0.958	1.869	15.9	19.4
1 2	6 52.00	− 5 55.1	0.959	1.881	14.7	19.4
1 12	6 39.12	− 6 57.3	0.983	1.893	15.7	19.5
1 22	6 28.27	− 7 12.4	1.027	1.905	18.3	19.7
2 1	6 20.80	− 6 48.5	1.090	1.917	21.4	19.9
2 11	6 17.35	− 5 57.4	1.167	1.928	24.2	20.2
259097 2002 VQ_{123}			1 2.9 129.°76	8.°8/ 2.6 18		
12 3	7 24.93	+ 9 42.3	1.219	2.056	19.0	20.2
12 13	7 16.61	+ 7 38.0	1.163	2.063	14.8	19.9
12 23	7 5.19	+ 5 46.3	1.130	2.070	10.8	19.7
1 2	6 52.02	+ 4 15.0	1.122	2.077	8.8	19.6
1 12	6 38.93	+ 3 10.2	1.140	2.083	10.4	19.7
1 22	6 27.62	+ 2 33.7	1.183	2.089	14.1	20.0
2 1	6 19.41	+ 2 22.8	1.249	2.094	18.0	20.2
2 11	6 14.93	+ 2 31.9	1.331	2.099	21.4	20.5
247484 2002 LC_{24}			1 2.9 341.°89	0.°5/ 2.7 16		
12 3	7 44.81	+37 36.3	0.774	1.636	24.6	17.3
12 13	7 32.53	+33 44.8	0.697	1.621	18.4	16.8
12 23	7 14.24	+28 44.8	0.641	1.608	10.3	16.3
1 2	6 52.77	+22 42.8	0.614	1.597	0.9	15.7
1 12	6 32.20	+16 16.5	0.617	1.587	9.1	16.2
1 22	6 15.91	+10 18.4	0.649	1.580	18.1	16.6
2 1	6 5.63	+ 5 24.4	0.704	1.575	25.3	17.0
2 11	6 1.56	+ 1 41.8	0.776	1.572	30.6	17.3
154666 2004 FQ_{81}			1 2.9 192.°05	0.°6/ 3.1 18		
12 3	7 20.08	+19 11.5	1.964	2.802	12.7	20.6
12 13	7 12.68	+19 42.9	1.886	2.800	9.1	20.3
12 23	7 2.98	+20 20.2	1.834	2.798	5.0	20.1
1 2	6 51.85	+21 0.3	1.812	2.795	0.8	19.8
1 12	6 40.46	+21 39.9	1.820	2.790	4.1	20.0
1 22	6 30.04	+22 16.4	1.858	2.785	8.3	20.2
2 1	6 21.63	+22 48.7	1.924	2.779	12.1	20.5
2 11	6 15.96	+23 16.6	2.011	2.772	15.3	20.7
68747 2002 EL_{49}			1 2.9 153.°53	0.°0/ 2.8 18		
12 3	7 19.63	+22 19.3	1.953	2.795	12.6	20.6
12 13	7 12.22	+22 31.5	1.887	2.804	8.9	20.4
12 23	7 2.65	+22 45.5	1.846	2.811	4.8	20.2
1 2	6 51.81	+22 58.7	1.835	2.818	0.4	19.9
1 12	6 40.93	+23 9.2	1.854	2.824	4.0	20.2
1 22	6 31.17	+23 16.0	1.903	2.830	8.1	20.4
2 1	6 23.49	+23 19.5	1.978	2.835	11.8	20.7
2 11	6 18.52	+23 20.6	2.075	2.840	14.8	20.9
346920 2009 XL_{21}			1 2.9 61.°66	0.°6/ 2.9 18		
12 3	7 22.06	+22 49.8	1.200	2.064	17.3	20.6
12 13	7 14.60	+22 26.9	1.154	2.081	12.3	20.3
12 23	7 4.07	+22 5.3	1.131	2.098	6.6	20.1
1 2	6 51.92	+21 43.2	1.133	2.116	0.8	19.7
1 12	6 40.06	+21 20.4	1.162	2.134	5.4	20.1
1 22	6 30.19	+20 57.9	1.216	2.152	10.8	20.5
2 1	6 23.49	+20 37.3	1.294	2.170	15.4	20.8
2 11	6 20.52	+20 19.8	1.390	2.188	19.2	21.1

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
30531 2001 ND_{21}			1 2.9 86.°84	0.°1/ 2.9 18		
	h m	° ′			°	m
12 3	7 15.12	+22 14.1	2.349	3.192	10.7	19.1
12 13	7 8.67	+22 20.5	2.294	3.211	7.6	18.9
12 23	7 0.59	+22 28.3	2.265	3.230	4.1	18.7
1 2	6 51.63	+22 35.8	2.266	3.249	0.4	18.4
1 12	6 42.74	+22 41.7	2.297	3.268	3.3	18.7
1 22	6 34.78	+22 45.4	2.359	3.286	6.8	19.0
2 1	6 28.48	+22 47.0	2.447	3.305	9.8	19.2
2 11	6 24.33	+22 47.0	2.559	3.323	12.3	19.4
91442 1999 RD_{17}			1 2.9 142.°33	2.°8/ 3.6 18		
12 3	7 14.97	+13 20.7	2.488	3.312	10.8	20.7
12 13	7 8.50	+13 12.1	2.422	3.323	8.0	20.5
12 23	7 0.50	+13 10.6	2.382	3.334	5.0	20.3
1 2	6 51.64	+13 16.0	2.371	3.344	2.9	20.2
1 12	6 42.76	+13 27.4	2.392	3.354	4.1	20.3
1 22	6 34.66	+13 43.8	2.442	3.363	6.9	20.5
2 1	6 28.06	+14 3.7	2.521	3.372	9.8	20.7
2 11	6 23.42	+14 25.8	2.623	3.380	12.2	20.9
302345 2002 AC_{158}			1 2.9 295.°31	0.°1/ 2.9 18		
12 3	7 17.90	+22 20.7	1.453	2.313	15.1	20.5
12 13	7 11.87	+22 24.0	1.371	2.295	10.9	20.2
12 23	7 2.86	+22 30.2	1.311	2.278	6.0	19.8
1 2	6 51.87	+22 36.6	1.278	2.261	0.5	19.4
1 12	6 40.43	+22 40.8	1.272	2.244	5.1	19.7
1 22	6 30.18	+22 41.7	1.292	2.227	10.4	20.0
2 1	6 22.55	+22 39.8	1.337	2.210	15.2	20.2
2 11	6 18.42	+22 36.3	1.400	2.194	19.3	20.4
292287 2006 SX_{132}			1 2.9 48.°41	8.°0/ 3.7 18		
12 3	7 16.35	+ 5 58.8	1.534	2.359	16.3	20.2
12 13	7 10.09	+ 4 41.9	1.480	2.369	13.0	20.0
12 23	7 1.55	+ 3 41.9	1.449	2.380	9.8	19.8
1 2	6 51.74	+ 3 3.0	1.444	2.391	8.1	19.8
1 12	6 41.97	+ 2 46.9	1.464	2.403	9.0	19.8
1 22	6 33.47	+ 2 52.3	1.511	2.415	11.7	20.0
2 1	6 27.23	+ 3 15.6	1.580	2.427	14.8	20.2
2 11	6 23.82	+ 3 51.5	1.669	2.439	17.6	20.5
275855 2001 SU_{127}			1 2.9 123.°80	5.°4/ 4.6 18		
12 3	7 12.12	+ 3 45.0	2.615	3.409	11.2	20.8
12 13	7 6.44	+ 3 27.4	2.550	3.420	9.0	20.7
12 23	6 59.39	+ 3 22.7	2.510	3.430	6.8	20.6
1 2	6 51.56	+ 3 32.0	2.498	3.440	5.5	20.5
1 12	6 43.71	+ 3 54.5	2.515	3.450	5.9	20.6
1 22	6 36.54	+ 4 28.5	2.561	3.460	7.7	20.7
2 1	6 30.68	+ 5 11.4	2.634	3.469	9.9	20.8
2 11	6 26.58	+ 6 0.1	2.730	3.478	12.0	21.0
302489 2002 GC_{74}			1 2.9 248.°15	0.°9/ 2.7 18		
12 3	7 18.76	+23 51.7	1.755	2.606	13.4	21.2
12 13	7 12.09	+24 18.8	1.673	2.594	9.6	20.9
12 23	7 2.83	+24 48.1	1.616	2.582	5.2	20.6
1 2	6 51.87	+25 15.7	1.587	2.570	1.0	20.3
1 12	6 40.56	+25 38.2	1.587	2.557	4.6	20.5
1 22	6 30.29	+25 53.9	1.616	2.544	9.2	20.8
2 1	6 22.29	+26 2.9	1.669	2.531	13.3	21.0
2 11	6 17.34	+26 6.7	1.744	2.517	16.8	21.2
77954 2002 GZ_{176}			1 2.9 81.°83	1.°1/ 3.1 18		
12 3	7 20.52	+19 43.8	1.583	2.431	14.7	19.7
12 13	7 12.94	+19 48.3	1.538	2.457	10.4	19.6
12 23	7 3.01	+19 57.5	1.518	2.483	5.7	19.3
1 2	6 51.87	+20 9.0	1.526	2.508	1.2	19.1
1 12	6 40.93	+20 20.8	1.562	2.533	4.5	19.4
1 22	6 31.51	+20 31.8	1.627	2.558	9.0	19.7
2 1	6 24.57	+20 41.6	1.717	2.582	12.8	20.0
2 11	6 20.63	+20 50.3	1.828	2.606	16.0	20.3
161980 2007 OR_{3}			1 2.9 105.°61	0.°7/ 3.0 17		
12 3	7 20.51	+20 47.4	1.707	2.553	13.9	20.6
12 13	7 12.91	+20 51.3	1.655	2.573	9.9	20.4
12 23	7 3.01	+20 58.5	1.627	2.592	5.4	20.2
1 2	6 51.87	+21 6.6	1.627	2.610	0.8	19.9
1 12	6 40.85	+21 13.9	1.657	2.628	4.3	20.2
1 22	6 31.20	+21 19.6	1.716	2.646	8.7	20.5
2 1	6 23.90	+21 23.7	1.800	2.662	12.5	20.7
2 11	6 19.52	+21 26.9	1.906	2.679	15.6	21.0
188992 2008 GM_{111}			1 2.9 200.°26	1.°4/ 2.6 18		
12 3	7 17.60	+26 6.1	2.186	3.030	11.4	20.8
12 13	7 10.80	+26 33.1	2.109	3.027	8.1	20.6
12 23	7 1.93	+26 59.6	2.059	3.023	4.5	20.4
1 2	6 51.79	+27 22.1	2.038	3.020	1.5	20.1
1 12	6 41.48	+27 38.2	2.048	3.015	4.1	20.3
1 22	6 32.08	+27 46.8	2.087	3.011	7.8	20.5
2 1	6 24.55	+27 48.7	2.153	3.006	11.1	20.7
2 11	6 19.53	+27 45.5	2.241	3.000	14.0	20.9

495601 2015 AV_{277} 1 2.9 31°.02 2°.5/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 19.03	+31 38.0	2.089	2.931	11.9	20.8
12 13	7 11.73	+31 21.1	2.020	2.934	8.6	20.6
12 23	7 2.34	+30 56.7	1.976	2.937	5.1	20.3
1 2	6 51.82	+30 22.8	1.962	2.940	2.5	20.2
1 12	6 41.38	+29 39.3	1.978	2.943	4.5	20.3
1 22	6 32.16	+28 48.0	2.023	2.946	8.0	20.5
2 1	6 25.05	+27 52.5	2.095	2.950	11.3	20.8
2 11	6 20.61	+26 56.2	2.190	2.953	14.1	21.0

142924 2002 VR_{58} 1 2.9 9°.59 3°.0/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.29	+24 59.7	1.095	1.977	17.2	18.6
12 13	7 9.05	+26 20.1	1.045	1.980	12.3	18.3
12 23	7 1.45	+27 45.0	1.016	1.984	6.9	18.0
1 2	6 51.76	+29 5.1	1.011	1.991	3.1	17.8
1 12	6 41.87	+30 11.9	1.030	1.999	6.7	18.1
1 22	6 33.67	+31 0.9	1.074	2.009	12.0	18.4
2 1	6 28.66	+31 31.9	1.139	2.021	16.6	18.7
2 11	6 27.62	+31 47.9	1.222	2.034	20.5	19.0

361370 2006 UL_{281} 1 2.9 113°.63 4°.8/ 1.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 21.96	+34 29.7	1.984	2.822	12.6	21.6
12 13	7 14.08	+35 33.3	1.932	2.839	9.4	21.4
12 23	7 3.73	+36 29.1	1.906	2.856	6.3	21.3
1 2	6 51.95	+37 10.8	1.909	2.872	4.8	21.2
1 12	6 40.14	+37 34.7	1.941	2.888	6.4	21.3
1 22	6 29.64	+37 40.7	2.001	2.903	9.4	21.5
2 1	6 21.56	+37 31.6	2.087	2.918	12.3	21.8
2 11	6 16.52	+37 12.0	2.194	2.932	14.8	22.0

517174 2013 PQ_{77} 1 2.9 186°.51 1°.7/ 3.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.14	+16 20.1	2.381	3.214	10.9	22.6
12 13	7 8.82	+16 34.0	2.304	3.213	7.9	22.4
12 23	7 0.79	+16 54.2	2.253	3.213	4.6	22.2
1 2	6 51.71	+17 19.3	2.232	3.212	1.8	22.0
1 12	6 42.49	+17 47.4	2.241	3.210	3.7	22.1
1 22	6 34.02	+18 16.9	2.281	3.208	7.0	22.3
2 1	6 27.10	+18 46.3	2.349	3.205	10.2	22.5
2 11	6 22.29	+19 14.7	2.440	3.202	12.9	22.7

133800 2003 WA_{139} 1 2.9 66°.75 0°.1/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.36	+22 19.9	2.016	2.865	12.0	19.7
12 13	7 9.13	+22 38.1	1.959	2.879	8.5	19.5
12 23	7 0.97	+22 58.4	1.927	2.893	4.5	19.3
1 2	6 51.73	+23 18.3	1.924	2.907	0.4	19.0
1 12	6 42.50	+23 35.7	1.951	2.922	3.8	19.3
1 22	6 34.31	+23 49.4	2.006	2.936	7.6	19.6
2 1	6 28.03	+23 59.4	2.088	2.951	11.0	19.8
2 11	6 24.19	+24 6.2	2.193	2.965	13.8	20.1

462658 2009 SL_{313} 1 2.9 191°.74 0°.1/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.06	+22 41.4	2.140	2.984	11.6	21.8
12 13	7 10.35	+22 40.6	2.065	2.983	8.3	21.6
12 23	7 1.66	+22 40.9	2.016	2.981	4.5	21.4
1 2	6 51.80	+22 40.4	1.997	2.980	0.4	21.1
1 12	6 41.84	+22 37.8	2.007	2.978	3.7	21.3
1 22	6 32.83	+22 33.0	2.047	2.975	7.6	21.6
2 1	6 25.66	+22 26.3	2.114	2.973	11.1	21.8
2 11	6 20.92	+22 18.7	2.204	2.970	14.0	22.0

306138 2010 JM_{153} 1 2.9 242°.14 0°.3/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.03	+22 18.5	1.749	2.598	13.5	21.4
12 13	7 12.29	+22 42.0	1.666	2.586	9.7	21.1
12 23	7 2.96	+23 9.1	1.608	2.574	5.3	20.8
1 2	6 51.93	+23 36.2	1.578	2.561	0.5	20.4
1 12	6 40.54	+24 0.2	1.578	2.548	4.5	20.7
1 22	6 30.19	+24 19.0	1.606	2.535	9.2	21.0
2 1	6 22.07	+24 32.6	1.659	2.521	13.4	21.2
2 11	6 17.01	+24 41.9	1.733	2.507	16.9	21.4

433915 2015 BB_{498} 1 2.9 246°.64 0°.8/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.42	+19 33.2	2.365	3.207	10.7	21.4
12 13	7 7.66	+19 44.3	2.287	3.203	7.7	21.2
12 23	7 0.19	+19 59.3	2.235	3.199	4.2	21.0
1 2	6 51.69	+20 16.7	2.213	3.195	0.9	20.7
1 12	6 43.04	+20 34.9	2.221	3.191	3.4	20.9
1 22	6 35.15	+20 52.5	2.258	3.187	6.9	21.1
2 1	6 28.79	+21 8.8	2.323	3.183	10.1	21.3
2 11	6 24.54	+21 23.5	2.411	3.179	12.8	21.5

16487 1990 RV_{5} 1 2.9 184°.98 2°.5/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 22.01	+28 41.1	1.804	2.650	13.3	18.5
12 13	7 14.27	+29 5.4	1.733	2.650	9.6	18.2
12 23	7 3.93	+29 26.1	1.687	2.650	5.5	18.0
1 2	6 52.01	+29 38.8	1.670	2.649	2.5	17.8
1 12	6 39.95	+29 40.6	1.682	2.648	5.1	18.0
1 22	6 29.16	+29 31.5	1.723	2.646	9.2	18.2
2 1	6 20.82	+29 13.7	1.790	2.643	13.0	18.4
2 11	6 15.61	+28 50.7	1.878	2.640	16.2	18.7

96705 1999 JB_{117} 1 2.9 238°.82 1°.7/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 19.92	+26 13.3	1.727	2.577	13.6	19.8
12 13	7 12.96	+26 36.7	1.648	2.568	9.8	19.6
12 23	7 3.32	+26 59.5	1.593	2.558	5.4	19.3
1 2	6 51.97	+27 17.5	1.567	2.548	1.7	19.0
1 12	6 40.31	+27 27.5	1.569	2.538	4.9	19.2
1 22	6 29.80	+27 28.6	1.600	2.527	9.4	19.5
2 1	6 21.68	+27 22.1	1.655	2.515	13.5	19.7
2 11	6 16.73	+27 10.5	1.732	2.504	17.0	19.9

152282 2005 TH_{5} 1 2.9 60°.98 6°.3/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 22.91	+38 26.5	1.658	2.498	14.5	19.6
12 13	7 15.00	+39 4.3	1.614	2.518	11.1	19.4
12 23	7 4.26	+39 28.4	1.594	2.538	7.9	19.3
1 2	6 52.03	+39 32.6	1.600	2.558	6.3	19.2
1 12	6 40.05	+39 14.9	1.634	2.578	7.7	19.4
1 22	6 29.88	+38 37.6	1.694	2.598	10.6	19.6
2 1	6 22.66	+37 46.4	1.779	2.619	13.7	19.8
2 11	6 18.92	+36 47.6	1.884	2.639	16.4	20.1

237161 2008 UD_{119} 1 2.9 43°.36 5°.2/ 1.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.13	+36 7.4	1.960	2.802	12.5	19.9
12 13	7 11.48	+36 58.4	1.902	2.809	9.5	19.8
12 23	7 2.40	+37 40.6	1.869	2.817	6.6	19.6
1 2	6 51.88	+38 8.4	1.863	2.824	5.2	19.5
1 12	6 41.30	+38 18.5	1.886	2.832	6.7	19.6
1 22	6 31.97	+38 11.0	1.936	2.840	9.5	19.8
2 1	6 24.97	+37 49.1	2.011	2.848	12.5	20.0
2 11	6 20.94	+37 17.1	2.107	2.856	15.0	20.2

233123 2005 TB_{60} 1 2.9 343°.92 3°.8/ 3.4 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.55	+15 47.0	1.201	2.065	17.4	20.4
12 13	7 11.04	+15 21.3	1.136	2.059	12.8	20.1
12 23	7 2.44	+15 5.9	1.092	2.055	7.8	19.8
1 2	6 51.90	+15 1.5	1.072	2.051	3.9	19.6
1 12	6 41.12	+15 7.1	1.078	2.047	6.4	19.7
1 22	6 31.82	+15 21.2	1.108	2.045	11.6	20.0
2 1	6 25.39	+15 41.6	1.161	2.042	16.4	20.3
2 11	6 22.63	+16 5.8	1.231	2.041	20.5	20.5

209607 2004 YV_{33} 1 2.9 314°.70 3°.6/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.85	+30 8.0	1.358	2.222	15.7	19.9
12 13	7 12.87	+30 32.2	1.281	2.206	11.5	19.6
12 23	7 3.55	+30 51.6	1.227	2.190	6.9	19.3
1 2	6 52.01	+31 0.1	1.197	2.175	3.6	19.0
1 12	6 40.04	+30 53.6	1.194	2.161	6.5	19.2
1 22	6 29.54	+30 32.3	1.217	2.147	11.5	19.4
2 1	6 22.07	+29 59.6	1.262	2.133	16.1	19.6
2 11	6 18.52	+29 20.4	1.326	2.120	20.1	19.8

459345 2012 HY_{52} 1 2.9 163°.86 1°.6/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.96	+26 4.0	2.238	3.081	11.1	21.9
12 13	7 10.31	+26 45.6	2.168	3.085	7.9	21.7
12 23	7 1.68	+27 27.2	2.124	3.088	4.4	21.5
1 2	6 51.84	+28 4.8	2.110	3.091	1.7	21.3
1 12	6 41.84	+28 35.5	2.127	3.093	4.1	21.5
1 22	6 32.75	+28 57.8	2.173	3.095	7.6	21.7
2 1	6 25.46	+29 11.9	2.247	3.097	10.8	21.9
2 11	6 20.60	+29 19.3	2.343	3.099	13.5	22.1

258588 2002 CZ_{183} 1 2.9 225°.14 3°.5/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.55	+33 38.1	2.280	3.116	11.2	21.0
12 13	7 12.23	+33 55.9	2.200	3.108	8.3	20.8
12 23	7 2.73	+34 6.7	2.146	3.100	5.3	20.6
1 2	6 51.93	+34 6.7	2.121	3.091	3.5	20.4
1 12	6 40.99	+33 53.9	2.126	3.082	5.1	20.5
1 22	6 31.07	+33 28.7	2.161	3.073	8.2	20.7
2 1	6 23.16	+32 53.9	2.222	3.063	11.3	20.9
2 11	6 17.89	+32 13.1	2.306	3.053	13.9	21.0

364374 2006 VD_{17} 1 2.9 132°.10 0°.4/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.11	+23 19.0	1.891	2.739	12.7	21.5
12 13	7 11.25	+23 31.3	1.826	2.746	9.0	21.3
12 23	7 2.21	+23 44.7	1.787	2.752	4.9	21.1
1 2	6 51.88	+23 56.5	1.775	2.759	0.5	20.8
1 12	6 41.51	+24 4.8	1.794	2.765	4.1	21.0
1 22	6 32.27	+24 8.9	1.841	2.771	8.2	21.3
2 1	6 25.13	+24 9.1	1.915	2.776	11.9	21.5
2 11	6 20.72	+24 6.6	2.011	2.781	15.0	21.8

485400 2011 NR 1 2.9 191°.24 2°.4/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.38	+15 6.2	1.968	2.799	13.0	22.5
12 13	7 12.14	+15 17.3	1.890	2.798	9.5	22.2
12 23	7 2.72	+15 37.0	1.838	2.796	5.6	22.0
1 2	6 51.94	+16 3.7	1.814	2.793	2.5	21.8
1 12	6 40.94	+16 35.2	1.821	2.789	4.5	21.9
1 22	6 30.89	+17 9.3	1.858	2.784	8.4	22.1
2 1	6 22.78	+17 44.1	1.922	2.778	12.1	22.4
2 11	6 17.29	+18 18.1	2.008	2.771	15.2	22.6

414867 2010 VV_{118} 1 2.9 175°.47 0°.1/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 17.63	+23 25.5	1.806	2.657	13.1	20.7
12 13	7 11.03	+23 19.9	1.736	2.657	9.3	20.4
12 23	7 2.13	+23 14.8	1.691	2.657	5.0	20.2
1 2	6 51.89	+23 8.2	1.674	2.657	0.4	19.8
1 12	6 41.57	+22 58.9	1.686	2.657	4.2	20.1
1 22	6 32.39	+22 46.9	1.726	2.657	8.6	20.4
2 1	6 25.40	+22 33.4	1.792	2.657	12.4	20.6
2 11	6 21.21	+22 19.4	1.880	2.657	15.6	20.8

105054 2000 KV_{55} 1 2.9 221°.99 1°.6/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.52	+17 32.4	2.363	3.196	11.0	20.4
12 13	7 9.89	+17 30.1	2.275	3.186	8.0	20.2
12 23	7 1.44	+17 32.5	2.214	3.174	4.6	19.9
1 2	6 51.84	+17 38.6	2.182	3.162	1.7	19.7
1 12	6 42.04	+17 47.5	2.181	3.150	3.8	19.8
1 22	6 32.97	+17 58.0	2.211	3.136	7.3	20.0
2 1	6 25.47	+18 9.5	2.268	3.122	10.6	20.2
2 11	6 20.17	+18 21.7	2.348	3.108	13.4	20.4

302956 2003 UA_{95} 1 2.9 138°.26 3°.3/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.70	+14 24.8	1.765	2.603	13.9	20.5
12 13	7 10.99	+14 9.2	1.700	2.609	10.2	20.3
12 23	7 2.09	+14 2.3	1.659	2.616	6.3	20.1
1 2	6 51.90	+14 4.2	1.646	2.621	3.4	19.9
1 12	6 41.65	+14 13.7	1.662	2.627	5.1	20.0
1 22	6 32.52	+14 29.5	1.705	2.632	9.0	20.3
2 1	6 25.50	+14 49.7	1.775	2.637	12.7	20.5
2 11	6 21.20	+15 12.7	1.866	2.641	15.8	20.7

375545 2008 UN_{232} 1 2.9 32°.18 1°.1/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.41	+25 7.1	1.843	2.698	12.7	21.2
12 13	7 9.41	+25 23.5	1.782	2.704	9.0	21.0
12 23	7 1.24	+25 39.7	1.745	2.712	4.9	20.8
1 2	6 51.82	+25 52.9	1.737	2.719	1.1	20.5
1 12	6 42.37	+26 0.8	1.757	2.727	4.2	20.8
1 22	6 34.04	+26 2.9	1.805	2.735	8.3	21.0
2 1	6 27.82	+25 59.8	1.879	2.744	11.9	21.3
2 11	6 24.29	+25 53.0	1.975	2.753	14.9	21.5

424061 2007 CT_{32} 1 2.9 145°.01 3°.7/ 4.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.13	+10 25.6	2.151	2.974	12.3	21.1
12 13	7 8.90	+10 37.2	2.082	2.980	9.3	20.9
12 23	7 0.88	+11 0.3	2.038	2.987	6.0	20.7
1 2	6 51.80	+11 34.3	2.023	2.993	3.8	20.6
1 12	6 42.61	+12 17.1	2.037	2.998	4.8	20.6
1 22	6 34.27	+13 5.9	2.081	3.004	7.9	20.8
2 1	6 27.59	+13 57.7	2.152	3.008	11.0	21.0
2 11	6 23.14	+14 50.1	2.247	3.013	13.7	21.2

50443 2000 DO_{32} 1 2.9 340°.12 4°.1/ 4.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.07	+10 2.3	2.111	2.937	12.4	19.8
12 13	7 7.51	+10 1.1	2.037	2.936	9.4	19.6
12 23	7 0.17	+10 11.6	1.988	2.936	6.3	19.4
1 2	6 51.74	+10 33.8	1.967	2.935	4.2	19.3
1 12	6 43.18	+11 6.4	1.975	2.935	5.2	19.3
1 22	6 35.41	+11 46.9	2.012	2.934	8.1	19.5
2 1	6 29.27	+12 32.5	2.075	2.934	11.2	19.7
2 11	6 25.34	+13 20.5	2.161	2.933	14.0	19.9

196200 2003 BZ_{1} 1 2.9 234°.69 3°.8/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.01	+37 33.5	2.745	3.567	10.0	20.1
12 13	7 12.23	+37 31.8	2.661	3.559	7.6	19.9
12 23	7 2.61	+37 20.5	2.605	3.549	5.2	19.8
1 2	6 51.95	+36 56.7	2.578	3.540	3.8	19.7
1 12	6 41.28	+36 19.6	2.582	3.530	4.9	19.7
1 22	6 31.60	+35 30.4	2.617	3.520	7.4	19.9
2 1	6 23.72	+34 32.4	2.679	3.510	9.9	20.0
2 11	6 18.18	+33 29.4	2.766	3.500	12.2	20.2

253102 2002 TG_{377} 1 2.9 113°.45 2°.3/ 3.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 9.32	+12 26.0	3.376	4.196	8.3	21.1
12 13	7 4.31	+12 27.5	3.307	4.206	6.2	21.0
12 23	6 58.24	+12 35.1	3.265	4.215	3.9	20.9
1 2	6 51.58	+12 48.5	3.253	4.224	2.4	20.8
1 12	6 44.88	+13 6.8	3.272	4.233	3.2	20.8
1 22	6 38.69	+13 29.0	3.322	4.242	5.3	21.0
2 1	6 33.50	+13 53.8	3.400	4.251	7.5	21.1
2 11	6 29.69	+14 20.1	3.503	4.259	9.4	21.3

215381 2002 CJ_{22} 1 2.9 282°.34 1°.0/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.62	+19 33.4	1.544	2.398	14.7	20.4
12 13	7 11.56	+19 44.1	1.460	2.382	10.7	20.1
12 23	7 2.71	+20 1.3	1.400	2.366	5.9	19.8
1 2	6 51.99	+20 22.7	1.367	2.349	1.2	19.4
1 12	6 40.82	+20 45.3	1.361	2.333	4.9	19.6
1 22	6 30.72	+21 7.1	1.383	2.317	10.0	19.9
2 1	6 23.03	+21 26.9	1.429	2.300	14.6	20.1
2 11	6 18.61	+21 44.6	1.495	2.284	18.5	20.3

32969 Motohikosato 1 2.9 91°.81 2°.7/ 3.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 16.96	+14 36.3	1.921	2.757	13.0	19.2
12 13	7 10.22	+14 38.9	1.869	2.778	9.5	19.0
12 23	7 1.56	+14 50.1	1.841	2.798	5.7	18.8
1 2	6 51.87	+15 8.7	1.841	2.818	2.8	18.7
1 12	6 42.23	+15 32.8	1.871	2.838	4.5	18.8
1 22	6 33.70	+16 0.4	1.930	2.857	8.1	19.1
2 1	6 27.12	+16 29.7	2.016	2.876	11.4	19.3
2 11	6 23.00	+16 59.0	2.124	2.895	14.3	19.6

62272 2000 SQ_{96} 1 2.9 312°.33 2°.6/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.88	+17 1.8	1.794	2.639	13.4	19.5
12 13	7 9.79	+16 35.3	1.720	2.635	9.8	19.2
12 23	7 1.50	+16 14.4	1.670	2.630	5.8	19.0
1 2	6 51.87	+15 59.2	1.648	2.626	2.7	18.8
1 12	6 42.11	+15 49.6	1.654	2.622	4.8	18.9
1 22	6 33.39	+15 45.2	1.689	2.618	8.8	19.1
2 1	6 26.70	+15 45.6	1.749	2.614	12.6	19.3
2 11	6 22.69	+15 49.7	1.830	2.610	15.9	19.6

295894 2008 WZ_{76} 1 2.9 40°.64 0°.8/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.15	+19 42.3	2.045	2.892	11.9	20.8
12 13	7 8.36	+19 56.6	1.978	2.896	8.5	20.6
12 23	7 0.65	+20 15.4	1.936	2.900	4.7	20.3
1 2	6 51.81	+20 36.7	1.922	2.905	0.9	20.1
1 12	6 42.87	+20 58.4	1.938	2.909	3.7	20.3
1 22	6 34.86	+21 19.1	1.983	2.914	7.6	20.6
2 1	6 28.65	+21 37.7	2.054	2.919	11.1	20.8
2 11	6 24.81	+21 54.2	2.148	2.924	14.0	21.0

414233 2008 FS_{72} 1 2.9 186°.38 7°.9/ 4.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.30	+ 0 8.3	2.041	2.829	14.2	21.6
12 13	7 8.40	− 0 24.8	1.970	2.829	11.7	21.4
12 23	7 0.66	− 0 39.2	1.922	2.829	9.4	21.3
1 2	6 51.81	− 0 32.5	1.900	2.828	8.0	21.2
1 12	6 42.82	− 0 4.7	1.904	2.827	8.4	21.2
1 22	6 34.66	+ 0 42.0	1.936	2.826	10.3	21.3
2 1	6 28.17	+ 1 43.2	1.993	2.825	12.8	21.5
2 11	6 23.95	+ 2 53.6	2.072	2.824	15.2	21.7

415133 2012 DY_{39} 1 2.9 328°.69 4°.5/ 3.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.22	+12 42.8	1.537	2.384	15.1	20.9
12 13	7 8.94	+12 19.3	1.461	2.374	11.4	20.6
12 23	7 1.20	+12 7.4	1.409	2.364	7.4	20.3
1 2	6 51.88	+12 8.1	1.382	2.355	4.5	20.2
1 12	6 42.29	+12 20.9	1.382	2.346	6.2	20.2
1 22	6 33.76	+12 44.0	1.408	2.338	10.2	20.4
2 1	6 27.45	+13 14.7	1.458	2.330	14.3	20.7
2 11	6 24.12	+13 49.9	1.529	2.323	17.9	20.9

356933 2012 SX_{58} 1 2.9 124°.61 5°.7/ 4.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.98	+ 1 24.8	2.799	3.579	10.9	21.6
12 13	7 6.31	+ 1 6.4	2.736	3.593	8.9	21.5
12 23	6 59.36	+ 1 1.4	2.698	3.606	6.9	21.4
1 2	6 51.71	+ 1 10.9	2.687	3.618	5.8	21.3
1 12	6 44.03	+ 1 34.4	2.706	3.631	6.1	21.3
1 22	6 37.00	+ 2 10.1	2.754	3.643	7.6	21.5
2 1	6 31.20	+ 2 55.4	2.828	3.654	9.6	21.6
2 11	6 27.05	+ 3 47.1	2.926	3.665	11.5	21.8

165106 2000 HS_{59} 1 2.9 234°.41 1°.5/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.72	+17 38.9	2.454	3.290	10.5	20.8
12 13	7 7.85	+17 36.8	2.371	3.283	7.6	20.6
12 23	7 0.32	+17 39.3	2.315	3.276	4.4	20.4
1 2	6 51.80	+17 45.4	2.288	3.269	1.6	20.2
1 12	6 43.12	+17 54.4	2.292	3.261	3.5	20.3
1 22	6 35.14	+18 5.1	2.326	3.253	6.9	20.5
2 1	6 28.64	+18 16.8	2.387	3.245	10.0	20.7
2 11	6 24.16	+18 29.1	2.471	3.237	12.6	20.9

378761 2008 RU_{118} 1 2.9 37°.84 2°.8/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.15	+28 31.0	1.782	2.637	13.0	20.4
12 13	7 10.05	+29 14.0	1.729	2.650	9.3	20.2
12 23	7 1.64	+29 54.4	1.700	2.663	5.4	20.0
1 2	6 51.91	+30 27.5	1.699	2.677	2.8	19.9
1 12	6 42.15	+30 49.8	1.726	2.691	5.1	20.1
1 22	6 33.63	+31 0.6	1.781	2.705	8.9	20.3
2 1	6 27.36	+31 1.1	1.862	2.720	12.3	20.6
2 11	6 23.95	+30 54.0	1.963	2.735	15.2	20.8

303431 2005 AO_{31} 1 2.9 14°.81 0°.0/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.17	+21 29.0	1.098	1.976	17.6	19.8
12 13	7 10.24	+21 53.1	1.047	1.980	12.5	19.5
12 23	7 2.07	+22 23.5	1.017	1.986	6.8	19.2
1 2	6 51.95	+22 55.8	1.010	1.993	0.6	18.8
1 12	6 41.76	+23 25.5	1.028	2.001	5.6	19.2
1 22	6 33.30	+23 49.7	1.070	2.011	11.3	19.6
2 1	6 27.95	+24 7.9	1.134	2.022	16.2	19.9
2 11	6 26.42	+24 20.6	1.216	2.033	20.2	20.2

353270 2010 EB_{135} 1 2.9 254.°57 4.°3/ 3.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 17.26	+12 31.1	1.545	2.387	15.4	21.6
12 13	7 11.08	+12 15.8	1.471	2.381	11.5	21.3
12 23	7 2.34	+12 12.8	1.421	2.376	7.4	21.1
1 2	6 51.99	+12 22.5	1.397	2.370	4.4	20.9
1 12	6 41.38	+12 43.6	1.400	2.364	6.1	21.0
1 22	6 31.89	+13 13.8	1.430	2.358	10.2	21.2
2 1	6 24.72	+13 50.4	1.485	2.352	14.4	21.4
2 11	6 20.60	+14 30.1	1.560	2.346	17.9	21.6

144427 2004 EC_{26} 1 2.9 236.°06 1.°0/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.71	+23 45.8	1.891	2.740	12.7	20.1
12 13	7 11.22	+24 23.4	1.813	2.733	9.0	19.9
12 23	7 2.37	+25 3.6	1.760	2.726	4.9	19.6
1 2	6 51.99	+25 42.3	1.736	2.718	1.1	19.3
1 12	6 41.32	+26 15.9	1.741	2.710	4.4	19.6
1 22	6 31.62	+26 42.3	1.775	2.702	8.6	19.8
2 1	6 23.99	+27 1.1	1.835	2.694	12.4	20.0
2 11	6 19.18	+27 13.6	1.916	2.685	15.7	20.2

521575 2015 PR_{57} 1 2.9 88.°94 0.°9/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 22.68	+20 5.8	1.479	2.328	15.5	21.9
12 13	7 14.64	+20 14.4	1.436	2.355	11.0	21.7
12 23	7 4.04	+20 27.6	1.417	2.382	6.0	21.5
1 2	6 52.13	+20 42.6	1.425	2.408	1.1	21.2
1 12	6 40.46	+20 56.8	1.462	2.433	4.7	21.6
1 22	6 30.45	+21 9.0	1.527	2.458	9.4	21.9
2 1	6 23.15	+21 19.2	1.616	2.482	13.5	22.2
2 11	6 19.08	+21 27.8	1.727	2.506	16.7	22.5

252272 2001 QW_{220} 1 2.9 98.°85 1.°3/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.51	+20 0.9	1.827	2.672	13.2	20.2
12 13	7 11.47	+19 43.1	1.768	2.685	9.4	20.0
12 23	7 2.31	+19 28.4	1.734	2.698	5.2	19.8
1 2	6 51.99	+19 16.0	1.729	2.711	1.4	19.5
1 12	6 41.73	+19 5.3	1.753	2.723	4.2	19.8
1 22	6 32.69	+18 56.2	1.806	2.735	8.3	20.0
2 1	6 25.79	+18 49.0	1.885	2.748	12.0	20.3
2 11	6 21.58	+18 43.7	1.986	2.759	15.0	20.5

360478 2002 TV_{253} 1 2.9 106.°27 6.°6/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 24.91	+39 42.9	1.872	2.701	13.6	21.2
12 13	7 16.38	+40 36.3	1.824	2.719	10.5	21.0
12 23	7 5.08	+41 16.3	1.800	2.736	7.8	20.9
1 2	6 52.24	+41 36.2	1.804	2.753	6.6	20.9
1 12	6 39.50	+41 33.0	1.836	2.770	7.8	21.0
1 22	6 28.42	+41 8.4	1.895	2.786	10.4	21.2
2 1	6 20.15	+40 27.5	1.979	2.802	13.2	21.4
2 11	6 15.29	+39 36.7	2.083	2.817	15.6	21.6

433960 1999 JU_{6} 1 2.9 173.°77 22.°1/ 2.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 31.62	−11 41.9	0.984	1.748	27.5	22.1
12 13	7 22.23	−15 5.4	0.942	1.755	25.0	21.9
12 23	7 8.72	−17 47.1	0.916	1.760	23.0	21.8
1 2	6 52.59	−19 28.7	0.908	1.763	22.1	21.8
1 12	6 36.15	−20 0.8	0.918	1.764	22.7	21.8
1 22	6 21.77	−19 26.5	0.946	1.763	24.5	21.9
2 1	6 11.26	−17 59.0	0.988	1.761	26.8	22.1
2 11	6 5.51	−15 56.4	1.041	1.756	29.1	22.3

472353 2015 BF_{18} 1 2.9 272.°03 5.°2/ 2.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 22.35	+41 26.9	2.659	3.471	10.5	21.0
12 13	7 14.19	+41 37.4	2.562	3.447	8.3	20.8
12 23	7 3.84	+41 35.9	2.492	3.422	6.2	20.6
1 2	6 52.14	+41 18.2	2.450	3.397	5.2	20.5
1 12	6 40.29	+40 42.3	2.439	3.372	6.2	20.6
1 22	6 29.46	+39 49.5	2.457	3.346	8.4	20.7
2 1	6 20.63	+38 43.5	2.502	3.320	10.9	20.8
2 11	6 14.46	+37 29.4	2.571	3.294	13.3	20.9

179830 2002 TX_{162} 1 2.9 76.°15 7.°4/ 5.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.26	+ 1 55.9	1.686	2.490	16.0	20.6
12 13	7 9.93	+ 1 56.2	1.635	2.509	12.8	20.4
12 23	7 1.52	+ 2 18.7	1.605	2.529	9.6	20.3
1 2	6 51.95	+ 3 3.7	1.601	2.548	7.6	20.2
1 12	6 42.40	+ 4 8.7	1.625	2.566	8.0	20.3
1 22	6 34.02	+ 5 28.4	1.675	2.585	10.3	20.4
2 1	6 27.70	+ 6 56.6	1.752	2.604	13.3	20.7
2 11	6 24.01	+ 8 27.2	1.850	2.622	16.0	20.9

302946 2003 TS_{20} 1 2.9 64.°41 0.°3/ 2.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.87	+21 53.7	1.422	2.279	15.5	20.7
12 13	7 12.86	+22 24.2	1.378	2.302	11.0	20.5
12 23	7 3.20	+22 58.5	1.358	2.325	5.9	20.3
1 2	6 52.09	+23 31.9	1.364	2.347	0.6	19.9
1 12	6 41.14	+24 0.9	1.399	2.370	4.8	20.3
1 22	6 31.79	+24 23.6	1.460	2.393	9.6	20.6
2 1	6 25.16	+24 40.0	1.546	2.416	13.7	20.9
2 11	6 21.80	+24 51.3	1.652	2.438	17.1	21.2

457118 2008 FZ_{26} 1 2.9 210.°35 5.°4/ 1.4 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 21.46	+38 58.4	2.450	3.272	11.0	22.2
12 13	7 13.74	+39 53.4	2.373	3.265	8.6	22.0
12 23	7 3.69	+40 39.3	2.323	3.258	6.4	21.9
1 2	6 52.16	+41 10.7	2.301	3.250	5.4	21.8
1 12	6 40.36	+41 24.0	2.310	3.241	6.6	21.9
1 22	6 29.53	+41 19.0	2.346	3.232	8.9	22.0
2 1	6 20.76	+40 58.3	2.409	3.222	11.5	22.2
2 11	6 14.74	+40 26.4	2.494	3.211	13.8	22.3

418331 2008 GH_{6} 1 2.9 170.°96 0.°4/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.04	+22 46.5	2.336	3.175	10.9	21.7
12 13	7 10.28	+23 11.1	2.263	3.179	7.7	21.5
12 23	7 1.68	+23 37.5	2.217	3.182	4.2	21.3
1 2	6 51.98	+24 3.0	2.201	3.184	0.5	21.0
1 12	6 42.15	+24 25.3	2.217	3.186	3.5	21.3
1 22	6 33.17	+24 43.2	2.262	3.188	7.1	21.5
2 1	6 25.89	+24 56.5	2.334	3.189	10.3	21.7
2 11	6 20.87	+25 6.0	2.431	3.189	13.0	21.9

315710 2008 EL_{99} 1 2.9 327.°04 1.°2/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.97	+23 6.2	1.385	2.252	15.3	20.1
12 13	7 10.03	+23 51.0	1.306	2.235	11.0	19.8
12 23	7 2.07	+24 42.0	1.250	2.218	6.0	19.5
1 2	6 52.03	+25 33.8	1.219	2.201	1.3	19.1
1 12	6 41.46	+26 20.8	1.215	2.186	5.4	19.4
1 22	6 32.04	+26 59.2	1.236	2.171	10.7	19.6
2 1	6 25.26	+27 27.7	1.281	2.158	15.5	19.9
2 11	6 22.06	+27 47.4	1.345	2.145	19.6	20.1

144459 2004 EW_{43} 1 2.9 266.°10 1.°9/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.18	+28 26.7	2.361	3.206	10.6	20.6
12 13	7 9.04	+28 45.6	2.285	3.202	7.6	20.4
12 23	7 1.04	+29 1.9	2.235	3.198	4.3	20.2
1 2	6 51.92	+29 12.8	2.215	3.194	1.9	20.0
1 12	6 42.68	+29 16.5	2.224	3.190	4.0	20.1
1 22	6 34.29	+29 12.5	2.263	3.186	7.3	20.3
2 1	6 27.60	+29 2.0	2.329	3.182	10.4	20.5
2 11	6 23.20	+28 46.7	2.418	3.178	13.0	20.7

395418 2011 SM_{179} 1 2.9 154.°39 2.°6/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 22.19	+29 15.8	2.015	2.855	12.4	22.1
12 13	7 14.18	+29 46.2	1.951	2.865	8.9	21.9
12 23	7 3.85	+30 12.7	1.913	2.874	5.2	21.7
1 2	6 52.17	+30 30.9	1.904	2.882	2.6	21.6
1 12	6 40.45	+30 38.3	1.926	2.889	4.8	21.7
1 22	6 29.94	+30 34.7	1.977	2.895	8.5	22.0
2 1	6 21.67	+30 22.1	2.054	2.901	11.8	22.2
2 11	6 16.25	+30 3.6	2.154	2.906	14.7	22.4

400582 2008 YA_{91} 1 2.9 52.°60 0.°8/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.93	+18 13.0	1.441	2.297	15.5	20.7
12 13	7 11.73	+19 0.1	1.379	2.301	11.1	20.5
12 23	7 2.77	+19 57.1	1.340	2.306	6.1	20.2
1 2	6 52.09	+20 59.5	1.328	2.311	1.0	19.9
1 12	6 41.19	+22 1.7	1.344	2.316	4.8	20.2
1 22	6 31.61	+22 59.2	1.387	2.321	9.9	20.5
2 1	6 24.59	+23 49.6	1.454	2.327	14.3	20.8
2 11	6 20.88	+24 32.1	1.542	2.332	17.9	21.0

209073 2003 QQ_{106} 1 2.9 98.°75 3.°5/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 21.74	+30 54.8	1.630	2.480	14.2	20.4
12 13	7 14.22	+31 24.6	1.574	2.492	10.3	20.2
12 23	7 3.98	+31 48.3	1.542	2.503	6.2	20.0
1 2	6 52.18	+32 0.7	1.538	2.514	3.5	19.9
1 12	6 40.42	+31 59.0	1.562	2.525	5.8	20.0
1 22	6 30.21	+31 43.9	1.614	2.535	9.8	20.3
2 1	6 22.69	+31 18.5	1.690	2.546	13.5	20.5
2 11	6 18.50	+30 47.2	1.787	2.556	16.6	20.8

292790 2006 UF_{224} 1 2.9 119.°25 1.°4/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.79	+25 46.5	1.977	2.821	12.4	21.7
12 13	7 12.38	+26 13.6	1.920	2.837	8.8	21.5
12 23	7 2.83	+26 39.8	1.888	2.853	4.8	21.3
1 2	6 52.08	+27 1.5	1.886	2.868	1.4	21.1
1 12	6 41.34	+27 16.2	1.914	2.882	4.2	21.3
1 22	6 31.79	+27 23.1	1.971	2.896	8.1	21.5
2 1	6 24.36	+27 23.4	2.055	2.910	11.5	21.8
2 11	6 19.64	+27 18.9	2.161	2.922	14.3	22.0

198772 2005 EG_{99} 1 2.9 321.°10 4.°5/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.00	+ 9 48.5	2.094	2.920	12.5	20.3
12 13	7 7.51	+ 9 31.1	2.019	2.917	9.6	20.1
12 23	7 0.23	+ 9 25.0	1.969	2.914	6.5	19.9
1 2	6 51.86	+ 9 30.8	1.946	2.911	4.5	19.8
1 12	6 43.35	+ 9 48.0	1.952	2.908	5.5	19.8
1 22	6 35.64	+10 14.8	1.986	2.905	8.4	20.0
2 1	6 29.56	+10 48.9	2.046	2.903	11.5	20.2
2 11	6 25.69	+11 27.4	2.129	2.900	14.2	20.4

463497 2013 QW_{53} 1 2.9 163°.61 4°.4/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 14.50	+ 7 23.8	2.439	3.246	11.5	22.5
12 13	7 8.33	+ 7 25.7	2.366	3.251	8.9	22.3
12 23	7 0.58	+ 7 39.7	2.319	3.256	6.2	22.2
1 2	6 51.90	+ 8 5.8	2.300	3.260	4.5	22.1
1 12	6 43.12	+ 8 42.6	2.312	3.264	5.2	22.1
1 22	6 35.07	+ 9 27.8	2.353	3.267	7.6	22.3
2 1	6 28.45	+10 18.6	2.422	3.269	10.3	22.5
2 11	6 23.81	+11 12.1	2.515	3.271	12.7	22.6

290957 2005 WP_{180} 1 2.9 23°.79 3°.7/ 3.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.46	+13 27.4	1.222	2.085	17.2	19.7
12 13	7 8.57	+13 38.2	1.179	2.100	12.6	19.5
12 23	7 1.00	+14 4.4	1.156	2.117	7.7	19.3
1 2	6 51.93	+14 43.9	1.157	2.135	3.8	19.1
1 12	6 42.93	+15 32.6	1.185	2.154	5.8	19.3
1 22	6 35.45	+16 25.9	1.237	2.175	10.4	19.6
2 1	6 30.61	+17 19.4	1.312	2.197	14.7	19.9
2 11	6 28.99	+18 10.0	1.407	2.219	18.2	20.2

147308 2003 AN_{78} 1 2.9 253°.15 0°.8/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.12	+25 54.0	2.106	2.949	11.8	20.2
12 13	7 12.05	+25 45.8	2.016	2.932	8.5	19.9
12 23	7 2.77	+25 35.3	1.951	2.916	4.6	19.7
1 2	6 52.11	+25 20.3	1.916	2.898	0.9	19.4
1 12	6 41.20	+24 59.9	1.911	2.881	4.0	19.6
1 22	6 31.22	+24 34.5	1.936	2.863	8.1	19.8
2 1	6 23.19	+24 6.0	1.988	2.844	11.8	20.0
2 11	6 17.80	+23 36.4	2.062	2.825	14.9	20.2

223287 2003 HW_{35} 1 2.9 221°.63 5°.8/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.21	+ 5 22.7	2.195	3.001	12.7	20.4
12 13	7 8.32	+ 4 57.9	2.115	2.995	10.1	20.3
12 23	7 0.66	+ 4 46.9	2.060	2.989	7.5	20.1
1 2	6 51.92	+ 4 51.0	2.032	2.982	5.9	20.0
1 12	6 42.99	+ 5 10.4	2.033	2.976	6.6	20.0
1 22	6 34.81	+ 5 43.0	2.063	2.969	8.9	20.1
2 1	6 28.19	+ 6 26.2	2.118	2.961	11.7	20.3
2 11	6 23.72	+ 7 16.2	2.196	2.954	14.3	20.5

459692 2013 NK_{13} 1 2.9 195°.55 1°.2/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.46	+27 42.1	2.250	3.087	11.3	21.8
12 13	7 12.74	+27 28.6	2.171	3.085	8.1	21.6
12 23	7 3.01	+27 10.9	2.119	3.082	4.5	21.4
1 2	6 52.12	+26 47.3	2.098	3.079	1.3	21.1
1 12	6 41.19	+26 17.3	2.107	3.075	3.9	21.3
1 22	6 31.30	+25 41.8	2.147	3.071	7.5	21.5
2 1	6 23.35	+25 3.4	2.214	3.066	10.9	21.7
2 11	6 17.91	+24 24.3	2.305	3.061	13.7	21.9

127460 2002 QJ_{47} 1 2.9 133°.55 3°.7/ 1.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.46	+33 11.2	2.342	3.181	10.9	19.8
12 13	7 10.73	+33 57.4	2.277	3.187	8.0	19.7
12 23	7 1.99	+34 38.0	2.239	3.192	5.2	19.5
1 2	6 52.04	+35 8.8	2.230	3.198	3.7	19.4
1 12	6 41.97	+35 26.7	2.250	3.203	5.2	19.5
1 22	6 32.87	+35 31.4	2.300	3.208	8.0	19.7
2 1	6 25.66	+35 24.5	2.376	3.213	10.8	19.9
2 11	6 20.92	+35 9.0	2.474	3.217	13.2	20.1

52562 1997 GY_{17} 1 2.9 296°.63 5°.2/ 2.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 21.65	+32 24.6	1.352	2.211	16.1	18.8
12 13	7 14.99	+33 19.0	1.284	2.204	11.9	18.6
12 23	7 4.80	+34 7.3	1.239	2.198	7.7	18.3
1 2	6 52.31	+34 41.1	1.219	2.191	5.2	18.2
1 12	6 39.45	+34 54.6	1.226	2.185	7.7	18.3
1 22	6 28.22	+34 47.1	1.258	2.178	12.1	18.5
2 1	6 20.23	+34 22.7	1.312	2.172	16.4	18.8
2 11	6 16.36	+33 47.5	1.385	2.166	20.1	19.0

430076 2013 SU_{46} 1 2.9 16°.85 7°.9/ 1.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.55	+40 24.9	1.508	2.356	15.3	20.4
12 13	7 12.46	+41 22.3	1.460	2.364	12.0	20.2
12 23	7 3.21	+42 4.4	1.434	2.373	9.1	20.1
1 2	6 52.15	+42 23.6	1.434	2.383	7.9	20.0
1 12	6 41.13	+42 16.2	1.458	2.395	9.2	20.1
1 22	6 31.91	+41 44.4	1.508	2.407	12.0	20.3
2 1	6 25.76	+40 53.7	1.580	2.421	15.1	20.5
2 11	6 23.31	+39 51.6	1.671	2.435	17.8	20.8

157613 2005 WG_{66} 1 2.9 232°.08 2°.6/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.62	+16 46.2	1.706	2.548	14.2	20.9
12 13	7 12.69	+16 27.8	1.624	2.538	10.4	20.6
12 23	7 3.23	+16 15.7	1.567	2.527	6.2	20.4
1 2	6 52.17	+16 9.6	1.537	2.516	2.7	20.1
1 12	6 40.82	+16 8.9	1.536	2.504	5.1	20.3
1 22	6 30.52	+16 12.7	1.563	2.491	9.5	20.5
2 1	6 22.44	+16 20.3	1.616	2.479	13.7	20.7
2 11	6 17.35	+16 31.1	1.690	2.465	17.2	20.9

213389 2001 UY_{136} 1 2.9 51°.83 0°.6/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 14.81	+23 55.0	2.079	2.928	11.6	20.7
12 13	7 8.80	+24 12.7	2.021	2.941	8.2	20.5
12 23	7 0.91	+24 31.3	1.988	2.954	4.4	20.3
1 2	6 51.96	+24 48.0	1.984	2.967	0.7	20.1
1 12	6 43.01	+25 1.0	2.010	2.981	3.7	20.3
1 22	6 35.06	+25 9.4	2.065	2.994	7.5	20.6
2 1	6 28.96	+25 13.5	2.146	3.008	10.8	20.8
2 11	6 25.25	+25 14.1	2.250	3.022	13.5	21.0

471430 2011 UO_{63} 1 2.9 65°.47 11°.0/30.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 34.94	+32 58.6	0.846	1.716	22.2	19.9
12 13	7 25.87	+37 2.8	0.827	1.747	16.7	19.7
12 23	7 11.18	+40 50.9	0.830	1.778	12.3	19.6
1 2	6 52.90	+43 54.4	0.857	1.810	11.2	19.6
1 12	6 34.56	+45 56.7	0.909	1.841	13.9	19.9
1 22	6 19.64	+46 59.7	0.983	1.872	17.8	20.3
2 1	6 10.37	+47 17.4	1.075	1.903	21.5	20.6
2 11	6 7.35	+47 6.0	1.181	1.933	24.4	20.9

280698 2005 GP_{23} 1 2.9 204°.82 5°.5/ 5.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.06	+ 1 16.1	2.734	3.513	11.2	20.7
12 13	7 7.25	+ 1 30.2	2.650	3.509	9.1	20.6
12 23	7 0.01	+ 1 59.7	2.592	3.505	7.0	20.4
1 2	6 51.89	+ 2 44.7	2.562	3.500	5.6	20.3
1 12	6 43.62	+ 3 44.0	2.561	3.496	5.9	20.3
1 22	6 35.92	+ 4 54.5	2.591	3.491	7.6	20.4
2 1	6 29.45	+ 6 12.8	2.649	3.485	9.9	20.6
2 11	6 24.71	+ 7 34.8	2.732	3.479	12.0	20.7

408834 2001 RQ_{43} 1 2.9 94°.33 6°.2/ 2.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 25.95	+40 20.3	1.975	2.798	13.2	21.2
12 13	7 16.87	+40 55.5	1.931	2.824	10.2	21.0
12 23	7 5.25	+41 16.5	1.913	2.848	7.5	20.9
1 2	6 52.34	+41 17.8	1.923	2.873	6.2	20.9
1 12	6 39.73	+40 57.8	1.961	2.897	7.3	21.0
1 22	6 28.82	+40 18.8	2.027	2.920	9.8	21.2
2 1	6 20.65	+39 26.3	2.119	2.943	12.4	21.4
2 11	6 15.72	+38 26.2	2.232	2.965	14.8	21.6

330424 2007 CR_{46} 1 2.9 254°.19 2°.7/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.84	+31 9.1	2.307	3.144	11.1	20.9
12 13	7 12.55	+31 20.8	2.213	3.124	8.1	20.7
12 23	7 3.07	+31 27.1	2.145	3.103	4.9	20.4
1 2	6 52.18	+31 24.8	2.106	3.082	2.7	20.2
1 12	6 41.01	+31 11.7	2.098	3.060	4.6	20.3
1 22	6 30.71	+30 48.2	2.120	3.037	8.0	20.5
2 1	6 22.32	+30 16.2	2.169	3.014	11.3	20.7
2 11	6 16.51	+29 39.2	2.241	2.991	14.2	20.8

60912 2000 JJ_{33} 1 2.9 207°.25 0°.4/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.66	+23 34.8	1.705	2.554	13.8	19.7
12 13	7 13.46	+23 42.3	1.631	2.550	9.9	19.4
12 23	7 3.65	+23 50.7	1.581	2.546	5.4	19.2
1 2	6 52.24	+23 57.1	1.558	2.541	0.6	18.8
1 12	6 40.62	+23 59.2	1.566	2.536	4.5	19.1
1 22	6 30.20	+23 56.6	1.601	2.531	9.2	19.4
2 1	6 22.17	+23 50.2	1.662	2.525	13.3	19.6
2 11	6 17.24	+23 41.6	1.744	2.518	16.8	19.8

7371 1978 VA_{6} 1 2.9 198°.27 0°.5/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 13.74	+23 57.6	2.793	3.632	9.3	19.3
12 13	7 7.78	+24 13.3	2.714	3.630	6.6	19.2
12 23	7 0.30	+24 29.5	2.663	3.627	3.6	19.0
1 2	6 51.93	+24 44.3	2.641	3.624	0.6	18.7
1 12	6 43.44	+24 56.3	2.651	3.621	3.0	18.9
1 22	6 35.62	+25 4.6	2.692	3.618	6.1	19.1
2 1	6 29.16	+25 9.3	2.761	3.614	8.9	19.3
2 11	6 24.56	+25 10.9	2.853	3.610	11.3	19.5

75829 Alyea 1 2.9 27°.63 0°.5/ 3.0 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.89	+22 20.2	1.088	1.964	17.8	18.4
12 13	7 11.24	+22 9.9	1.048	1.981	12.6	18.1
12 23	7 2.50	+22 2.7	1.030	1.999	6.8	17.9
1 2	6 52.12	+21 56.7	1.035	2.018	0.8	17.5
1 12	6 41.99	+21 50.0	1.066	2.039	5.4	17.9
1 22	6 33.80	+21 42.7	1.120	2.061	10.9	18.3
2 1	6 28.73	+21 35.3	1.197	2.084	15.6	18.6
2 11	6 27.31	+21 28.3	1.293	2.108	19.4	19.0

282330 2002 TG_{384} 1 2.9 344°.71 4°.8/ 4.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.67	+ 8 51.9	2.100	2.923	12.6	20.3
12 13	7 7.29	+ 8 29.3	2.027	2.921	9.7	20.1
12 23	7 0.14	+ 8 18.4	1.978	2.919	6.8	19.9
1 2	6 51.93	+ 8 20.3	1.956	2.918	4.9	19.8
1 12	6 43.59	+ 8 34.5	1.963	2.916	5.8	19.8
1 22	6 36.05	+ 8 59.6	1.998	2.915	8.5	20.0
2 1	6 30.12	+ 9 32.9	2.059	2.914	11.5	20.2
2 11	6 26.37	+10 11.6	2.142	2.913	14.2	20.4

426010 2011 KN_{22} 1 2.9 173°.17 5°.7/ 5.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 11.95	+ 1 18.9	2.825	3.605	10.9	21.7
12 13	7 6.39	+ 1 7.2	2.750	3.607	8.8	21.6
12 23	6 59.52	+ 1 9.2	2.700	3.609	6.9	21.5
1 2	6 51.88	+ 1 25.7	2.678	3.610	5.8	21.4
1 12	6 44.14	+ 1 56.4	2.685	3.611	6.1	21.4
1 22	6 36.99	+ 2 39.2	2.721	3.612	7.6	21.5
2 1	6 31.03	+ 3 31.5	2.784	3.613	9.6	21.6
2 11	6 26.71	+ 4 29.9	2.872	3.613	11.6	21.8

110704 2001 TM_{218} 1 2.9 266°.93 0°.1/ 3.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.80	+20 37.8	1.542	2.396	14.7	19.1
12 13	7 12.51	+21 10.2	1.461	2.383	10.6	18.8
12 23	7 3.35	+21 49.5	1.403	2.369	5.8	18.5
1 2	6 52.24	+22 31.9	1.372	2.355	0.6	18.1
1 12	6 40.66	+23 12.8	1.369	2.341	4.9	18.3
1 22	6 30.15	+23 49.2	1.394	2.326	10.0	18.6
2 1	6 22.11	+24 19.5	1.443	2.312	14.6	18.8
2 11	6 17.42	+24 44.2	1.512	2.297	18.5	19.1

111119 2001 VO_{88} 1 2.9 105°.81 1°.2/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.51	+23 2.1	1.837	2.687	12.9	19.3
12 13	7 11.12	+23 59.7	1.770	2.690	9.2	19.1
12 23	7 2.37	+25 1.2	1.728	2.694	5.0	18.9
1 2	6 52.15	+26 1.5	1.715	2.697	1.2	18.6
1 12	6 41.71	+26 55.9	1.732	2.701	4.4	18.8
1 22	6 32.30	+27 41.4	1.777	2.704	8.6	19.1
2 1	6 25.02	+28 17.1	1.848	2.707	12.4	19.3
2 11	6 20.56	+28 44.0	1.941	2.711	15.5	19.6

151903 2004 EO_{13} 1 2.9 220°.05 4°.1/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 11.56	+ 6 34.8	3.095	3.894	9.5	21.2
12 13	7 6.09	+ 6 27.2	3.007	3.885	7.5	21.1
12 23	6 59.37	+ 6 29.4	2.944	3.875	5.4	20.9
1 2	6 51.87	+ 6 41.7	2.911	3.865	4.1	20.8
1 12	6 44.24	+ 7 3.8	2.909	3.854	4.6	20.9
1 22	6 37.09	+ 7 34.1	2.937	3.843	6.5	21.0
2 1	6 31.02	+ 8 11.1	2.993	3.832	8.7	21.1
2 11	6 26.46	+ 8 52.3	3.073	3.820	10.8	21.2

356292 2010 EJ_{123} 1 2.9 244°.85 3°.9/ 3.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.65	+12 3.9	1.725	2.559	14.4	21.5
12 13	7 11.32	+12 4.7	1.641	2.547	10.8	21.3
12 23	7 2.55	+12 18.1	1.581	2.534	6.9	21.0
1 2	6 52.18	+12 43.8	1.548	2.521	4.0	20.8
1 12	6 41.43	+13 19.9	1.544	2.508	5.6	20.9
1 22	6 31.61	+14 3.6	1.568	2.494	9.6	21.1
2 1	6 23.87	+14 51.7	1.617	2.480	13.6	21.3
2 11	6 18.98	+15 41.2	1.687	2.466	17.1	21.5

326923 2003 YY_{145} 1 2.9 358°.21 6°.8/ 1.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.90	+34 45.0	1.254	2.121	16.6	19.7
12 13	7 12.51	+35 55.0	1.196	2.117	12.5	19.5
12 23	7 3.53	+36 56.4	1.160	2.115	8.6	19.2
1 2	6 52.27	+37 39.4	1.148	2.114	6.8	19.1
1 12	6 40.72	+37 57.8	1.161	2.113	8.9	19.2
1 22	6 30.95	+37 51.0	1.197	2.114	12.9	19.5
2 1	6 24.53	+37 23.7	1.255	2.116	16.9	19.7
2 11	6 22.28	+36 42.9	1.331	2.119	20.3	20.0

14422 1991 SK_{2} 1 2.9 126°.16 3°.0/ 2.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.83	+32 25.4	2.423	3.261	10.6	18.6
12 13	7 10.84	+32 41.5	2.359	3.269	7.7	18.4
12 23	7 1.99	+32 51.7	2.321	3.277	4.8	18.2
1 2	6 52.11	+32 52.9	2.312	3.285	3.0	18.1
1 12	6 42.24	+32 43.7	2.334	3.293	4.5	18.2
1 22	6 33.38	+32 24.6	2.386	3.301	7.4	18.4
2 1	6 26.34	+31 57.7	2.464	3.308	10.2	18.6
2 11	6 21.66	+31 25.8	2.565	3.315	12.6	18.8

4128 UKSTU 1 2.9 206°.66 1°.3/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.74	+27 24.0	2.057	2.898	12.1	18.6
12 13	7 13.15	+27 14.4	1.979	2.894	8.7	18.4
12 23	7 3.36	+27 0.9	1.926	2.890	4.8	18.1
1 2	6 52.25	+26 41.4	1.903	2.885	1.3	17.9
1 12	6 41.06	+26 15.0	1.910	2.879	4.1	18.1
1 22	6 30.97	+25 42.9	1.947	2.873	8.1	18.3
2 1	6 22.97	+25 7.2	2.011	2.866	11.7	18.5
2 11	6 17.69	+24 30.7	2.098	2.860	14.7	18.7

226771 2004 RL_{116} 1 2.9 94°.55 0°.7/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.72	+23 15.3	1.960	2.808	12.3	20.1
12 13	7 10.33	+23 46.0	1.897	2.816	8.7	19.9
12 23	7 1.84	+24 18.6	1.859	2.825	4.7	19.7
1 2	6 52.12	+24 49.9	1.850	2.833	0.8	19.4
1 12	6 42.30	+25 16.8	1.871	2.841	4.0	19.7
1 22	6 33.53	+25 38.0	1.920	2.849	8.0	20.0
2 1	6 26.74	+25 53.1	1.996	2.857	11.5	20.2
2 11	6 22.55	+26 3.2	2.094	2.865	14.5	20.4

460779 2014 WM_{18} 1 2.9 328°.05 3°.1/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 16.27	+16 31.1	1.815	2.658	13.3	20.4
12 13	7 10.08	+15 47.0	1.740	2.654	9.8	20.2
12 23	7 1.74	+15 8.0	1.691	2.650	6.0	19.9
1 2	6 52.11	+14 35.0	1.669	2.645	3.2	19.7
1 12	6 42.37	+14 8.9	1.676	2.642	5.1	19.9
1 22	6 33.66	+13 50.1	1.711	2.638	8.9	20.1
2 1	6 26.97	+13 38.6	1.772	2.635	12.6	20.3
2 11	6 22.92	+13 33.5	1.854	2.632	15.8	20.5

499390 2010 AK_{93} 1 2.9 213°.96 3°.5/ 1.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.42	+34 40.6	2.874	3.705	9.3	22.0
12 13	7 9.83	+35 19.2	2.795	3.699	7.0	21.8
12 23	7 1.49	+35 52.4	2.743	3.692	4.7	21.6
1 2	6 52.09	+36 16.5	2.721	3.685	3.5	21.5
1 12	6 42.51	+36 29.2	2.730	3.677	4.7	21.6
1 22	6 33.65	+36 30.1	2.768	3.669	7.1	21.8
2 1	6 26.32	+36 20.5	2.833	3.661	9.5	21.9
2 11	6 21.10	+36 2.8	2.922	3.653	11.6	22.1

191396 2003 SB_{50} 1 2.9 75°.25 6°.1/ 4.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 14.19	+ 5 18.8	2.022	2.832	13.5	20.4
12 13	7 8.28	+ 4 49.1	1.965	2.846	10.6	20.2
12 23	7 0.63	+ 4 34.5	1.932	2.861	7.9	20.1
1 2	6 52.01	+ 4 36.3	1.926	2.876	6.2	20.0
1 12	6 43.40	+ 4 54.0	1.948	2.890	6.8	20.1
1 22	6 35.72	+ 5 25.4	1.998	2.905	9.1	20.2
2 1	6 29.75	+ 6 7.2	2.073	2.919	11.8	20.4
2 11	6 26.01	+ 6 55.5	2.170	2.933	14.2	20.6

16738 1996 KQ_{1} 1 2.9 221°.69 5°.2/ 4.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 17.72	+ 8 35.2	1.919	2.737	13.8	20.2
12 13	7 11.12	+ 8 18.2	1.835	2.728	10.7	20.0
12 23	7 2.35	+ 8 14.6	1.776	2.718	7.4	19.8
1 2	6 52.19	+ 8 25.1	1.744	2.707	5.3	19.6
1 12	6 41.74	+ 8 49.3	1.742	2.696	6.3	19.6
1 22	6 32.15	+ 9 25.0	1.768	2.684	9.4	19.8
2 1	6 24.42	+10 9.3	1.819	2.671	12.9	20.0
2 11	6 19.25	+10 58.5	1.893	2.658	16.0	20.2

72769 2001 FQ_{147} 1 2.9 229°.41 1°.3/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.79	+19 45.6	2.142	2.984	11.6	19.5
12 13	7 9.51	+19 26.6	2.066	2.982	8.4	19.3
12 23	7 1.35	+19 10.3	2.017	2.980	4.7	19.1
1 2	6 52.09	+18 56.2	1.996	2.978	1.4	18.9
1 12	6 42.74	+18 43.8	2.006	2.976	3.8	19.0
1 22	6 34.29	+18 33.1	2.045	2.974	7.6	19.3
2 1	6 27.60	+18 24.3	2.111	2.972	11.0	19.5
2 11	6 23.24	+18 17.4	2.199	2.970	13.9	19.7

323922 2005 TL_{97} 1 2.9 117°.45 1°.9/ 3.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.57	+17 39.5	1.935	2.777	12.7	21.1
12 13	7 10.16	+17 30.7	1.869	2.783	9.2	20.9
12 23	7 1.73	+17 27.5	1.828	2.789	5.3	20.7
1 2	6 52.13	+17 28.9	1.815	2.795	2.0	20.5
1 12	6 42.47	+17 33.8	1.831	2.800	4.2	20.6
1 22	6 33.84	+17 41.3	1.876	2.806	8.1	20.9
2 1	6 27.14	+17 50.6	1.948	2.811	11.6	21.1
2 11	6 22.95	+18 1.1	2.042	2.816	14.6	21.3

204374 2004 TT_{94} 1 2.9 180°.29 0°.4/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.64	+23 15.2	1.938	2.780	12.7	21.7
12 13	7 13.18	+23 31.2	1.866	2.782	9.0	21.5
12 23	7 3.44	+23 48.5	1.818	2.783	4.9	21.2
1 2	6 52.30	+24 4.1	1.800	2.783	0.6	20.9
1 12	6 41.01	+24 15.7	1.813	2.783	4.1	21.2
1 22	6 30.81	+24 22.3	1.855	2.782	8.3	21.4
2 1	6 22.73	+24 24.4	1.923	2.780	12.1	21.7
2 11	6 17.43	+24 23.4	2.013	2.777	15.2	21.9

432530 2010 GV_{118} 1 2.9 228°.85 2°.6/ 2.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.64	+30 50.9	2.612	3.451	9.9	21.8
12 13	7 9.35	+31 21.1	2.533	3.445	7.2	21.6
12 23	7 1.27	+31 47.7	2.480	3.438	4.4	21.4
1 2	6 52.10	+32 7.4	2.457	3.431	2.6	21.3
1 12	6 42.76	+32 18.2	2.465	3.424	4.2	21.4
1 22	6 34.19	+32 19.4	2.502	3.417	7.1	21.6
2 1	6 27.20	+32 12.1	2.566	3.409	9.9	21.8
2 11	6 22.37	+31 58.3	2.654	3.402	12.3	21.9

429359 2010 GX_{97} 1 2.9 245°.26 6°.1/31.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.26	+41 46.0	2.577	3.394	10.7	21.3
12 13	7 12.28	+42 51.9	2.501	3.385	8.6	21.1
12 23	7 3.01	+43 48.1	2.452	3.375	6.8	21.0
1 2	6 52.27	+44 28.8	2.432	3.366	6.1	20.9
1 12	6 41.20	+44 50.4	2.440	3.356	7.2	21.0
1 22	6 31.02	+44 52.5	2.475	3.346	9.2	21.1
2 1	6 22.79	+44 37.4	2.536	3.335	11.4	21.2
2 11	6 17.25	+44 9.3	2.619	3.325	13.4	21.4

462013 2006 XC_{46} 1 2.9 326°.65 3°.8/ 1.8 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 17.14	+27 56.7	1.517	2.378	14.5	21.2
12 13	7 11.56	+29 18.6	1.443	2.367	10.6	20.9
12 23	7 2.96	+30 42.5	1.393	2.356	6.3	20.7
1 2	6 52.28	+32 0.3	1.369	2.345	3.8	20.5
1 12	6 41.07	+33 4.6	1.374	2.335	6.5	20.6
1 22	6 31.00	+33 51.2	1.404	2.326	10.9	20.9
2 1	6 23.55	+34 20.2	1.459	2.317	15.1	21.1
2 11	6 19.67	+34 34.5	1.532	2.309	18.6	21.3

321705 2010 FL_{100} 1 2.9 137°.23 1°.1/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.52	+19 6.2	1.758	2.602	13.7	21.4
12 13	7 12.43	+19 19.5	1.695	2.611	9.8	21.2
12 23	7 3.03	+19 38.3	1.657	2.620	5.4	20.9
1 2	6 52.28	+20 0.2	1.647	2.629	1.2	20.7
1 12	6 41.45	+20 22.7	1.666	2.637	4.3	20.9
1 22	6 31.82	+20 43.9	1.714	2.644	8.6	21.2
2 1	6 24.40	+21 3.2	1.788	2.652	12.5	21.4
2 11	6 19.83	+21 20.3	1.884	2.658	15.7	21.7

367522 2009 PC_{18} 1 2.9 100°.09 3°.3/ 3.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.35	+13 13.4	1.911	2.746	13.1	21.2
12 13	7 9.33	+13 10.1	1.843	2.751	9.7	21.0
12 23	7 1.32	+13 16.8	1.801	2.756	6.1	20.8
1 2	6 52.12	+13 32.9	1.786	2.761	3.4	20.6
1 12	6 42.83	+13 56.9	1.800	2.765	4.9	20.7
1 22	6 34.50	+14 26.7	1.843	2.770	8.4	20.9
2 1	6 28.04	+14 59.9	1.912	2.774	11.8	21.1
2 11	6 24.04	+15 34.7	2.002	2.779	14.8	21.4

85816 1998 XG 1 2.9 85°.69 2°.7/ 3.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.57	+15 28.1	1.426	2.273	16.1	19.4
12 13	7 13.35	+15 36.5	1.378	2.294	11.7	19.2
12 23	7 3.54	+15 55.6	1.354	2.315	6.8	19.0
1 2	6 52.32	+16 22.9	1.356	2.335	2.8	18.8
1 12	6 41.21	+16 55.6	1.386	2.355	5.2	19.0
1 22	6 31.63	+17 30.5	1.443	2.375	9.8	19.3
2 1	6 24.68	+18 5.4	1.525	2.395	13.9	19.6
2 11	6 20.93	+18 38.8	1.627	2.414	17.3	19.9

224801 2006 UQ_{127} 1 2.9 127°.98 1°.8/ 2.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 22.38	+25 54.2	1.336	2.196	16.2	21.4
12 13	7 15.19	+26 17.4	1.275	2.200	11.6	21.1
12 23	7 4.79	+26 40.0	1.237	2.204	6.4	20.9
1 2	6 52.45	+26 56.8	1.225	2.207	1.8	20.6
1 12	6 40.00	+27 4.3	1.241	2.211	5.6	20.8
1 22	6 29.21	+27 1.8	1.282	2.214	10.8	21.1
2 1	6 21.48	+26 51.6	1.348	2.217	15.4	21.4
2 11	6 17.54	+26 36.8	1.432	2.220	19.2	21.7

245980 2006 SD_{154} 1 2.9 92°.21 2°.5/ 3.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.12	+15 34.7	1.874	2.709	13.4	21.0
12 13	7 11.80	+15 31.7	1.826	2.735	9.7	20.8
12 23	7 2.53	+15 36.3	1.803	2.761	5.7	20.6
1 2	6 52.23	+15 47.4	1.809	2.787	2.6	20.5
1 12	6 42.08	+16 3.2	1.845	2.812	4.5	20.7
1 22	6 33.14	+16 22.3	1.910	2.837	8.1	20.9
2 1	6 26.26	+16 43.1	2.001	2.861	11.5	21.2
2 11	6 21.93	+17 4.6	2.115	2.884	14.4	21.4

15484 1999 CU_{46} 1 2.9 63°.50 2°.9/ 2.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.94	+30 57.1	2.136	2.981	11.5	18.0
12 13	7 10.45	+31 20.6	2.073	2.988	8.4	17.8
12 23	7 1.91	+31 39.3	2.035	2.994	5.0	17.6
1 2	6 52.19	+31 49.7	2.025	3.001	2.9	17.5
1 12	6 42.43	+31 49.6	2.045	3.007	4.8	17.7
1 22	6 33.73	+31 39.1	2.094	3.014	8.0	17.9
2 1	6 27.02	+31 20.2	2.169	3.020	11.1	18.1
2 11	6 22.86	+30 55.6	2.266	3.027	13.8	18.3

199742 2006 JD 1 2.9 169°.73 2°.8/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.54	+30 5.5	2.409	3.250	10.5	20.3
12 13	7 10.10	+30 53.8	2.338	3.251	7.6	20.2
12 23	7 1.73	+31 39.4	2.294	3.253	4.6	20.0
1 2	6 52.18	+32 18.0	2.280	3.254	2.8	19.8
1 12	6 42.45	+32 46.7	2.296	3.255	4.6	20.0
1 22	6 33.56	+33 4.3	2.342	3.256	7.6	20.2
2 1	6 26.40	+33 11.6	2.414	3.256	10.5	20.3
2 11	6 21.58	+33 10.5	2.509	3.257	12.9	20.5

13226 Soulié 1 2.9 192°.87 0°.5/ 3.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.95	+21 45.9	2.329	3.170	10.9	18.6
12 13	7 9.53	+21 33.5	2.253	3.169	7.8	18.4
12 23	7 1.35	+21 22.2	2.204	3.168	4.2	18.2
1 2	6 52.14	+21 11.0	2.184	3.167	0.7	17.9
1 12	6 42.86	+20 59.3	2.195	3.165	3.4	18.1
1 22	6 34.44	+20 47.2	2.235	3.164	7.0	18.4
2 1	6 27.66	+20 35.1	2.303	3.162	10.3	18.6
2 11	6 23.09	+20 23.5	2.395	3.160	13.0	18.8

278944 2008 UR_{52} 1 2.9 155°.52 2°.4/ 3.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 14.48	+15 19.8	2.493	3.323	10.6	21.1
12 13	7 8.34	+15 3.2	2.421	3.327	7.8	20.9
12 23	7 0.65	+14 52.2	2.376	3.332	4.7	20.7
1 2	6 52.08	+14 46.5	2.360	3.336	2.4	20.5
1 12	6 43.45	+14 45.8	2.374	3.339	3.9	20.7
1 22	6 35.58	+14 49.4	2.419	3.343	6.8	20.8
2 1	6 29.18	+14 56.6	2.491	3.346	9.7	21.0
2 11	6 24.73	+15 6.4	2.587	3.349	12.2	21.2

523499 2017 HJ_{62} 1 2.9 83°.28 0°.7/ 2.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 18.09	+23 28.7	1.777	2.628	13.2	21.5
12 13	7 11.43	+23 57.0	1.720	2.641	9.4	21.3
12 23	7 2.50	+24 27.1	1.688	2.654	5.1	21.1
1 2	6 52.25	+24 55.3	1.684	2.667	0.8	20.8
1 12	6 41.98	+25 18.5	1.709	2.679	4.3	21.1
1 22	6 32.93	+25 35.5	1.762	2.692	8.5	21.4
2 1	6 26.09	+25 46.3	1.842	2.705	12.2	21.6
2 11	6 22.07	+25 52.3	1.942	2.717	15.3	21.9

332159 2005 YB_{170} 1 2.9 267°.23 1°.4/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.72	+19 2.7	1.990	2.835	12.3	21.3
12 13	7 9.66	+18 57.0	1.912	2.829	8.9	21.1
12 23	7 1.54	+18 55.7	1.860	2.823	5.0	20.8
1 2	6 52.17	+18 57.5	1.836	2.817	1.5	20.6
1 12	6 42.63	+19 1.4	1.841	2.811	4.0	20.7
1 22	6 34.00	+19 6.5	1.875	2.805	8.0	21.0
2 1	6 27.22	+19 12.4	1.935	2.799	11.7	21.2
2 11	6 22.94	+19 18.8	2.018	2.793	14.8	21.4

428389 2007 RW_{315} 1 3.0 57°.85 3°.4/ 2.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 19.05	+32 44.0	1.996	2.840	12.3	20.7
12 13	7 11.88	+32 58.4	1.949	2.862	8.9	20.5
12 23	7 2.61	+33 5.4	1.927	2.884	5.5	20.4
1 2	6 52.26	+33 1.7	1.933	2.906	3.4	20.3
1 12	6 42.09	+32 46.0	1.968	2.928	5.1	20.4
1 22	6 33.25	+32 19.6	2.032	2.951	8.3	20.7
2 1	6 26.62	+31 45.4	2.123	2.973	11.4	20.9
2 11	6 22.70	+31 6.9	2.235	2.996	13.9	21.1

282609 2005 JN_{2} 1 3.0 213°.84 4°.6/ 4.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 12.65	+ 6 55.2	2.716	3.520	10.6	21.7
12 13	7 7.01	+ 6 32.1	2.634	3.515	8.3	21.5
12 23	6 59.95	+ 6 19.1	2.577	3.508	6.0	21.4
1 2	6 52.03	+ 6 17.3	2.549	3.502	4.6	21.3
1 12	6 43.99	+ 6 26.6	2.551	3.495	5.3	21.3
1 22	6 36.53	+ 6 46.0	2.582	3.488	7.3	21.4
2 1	6 30.32	+ 7 13.5	2.641	3.481	9.7	21.6
2 11	6 25.85	+ 7 46.8	2.723	3.473	12.0	21.7

495228 2013 GA_{101} 1 3.0 245°.84 3°.5/ 2.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 20.04	+29 53.3	1.799	2.647	13.2	21.6
12 13	7 13.24	+30 47.4	1.721	2.638	9.6	21.3
12 23	7 3.71	+31 39.2	1.669	2.629	5.9	21.1
1 2	6 52.39	+32 22.6	1.644	2.619	3.5	20.9
1 12	6 40.69	+32 52.7	1.648	2.609	5.8	21.0
1 22	6 30.07	+33 7.9	1.680	2.598	9.7	21.2
2 1	6 21.83	+33 9.5	1.737	2.587	13.5	21.4
2 11	6 16.78	+33 1.1	1.815	2.577	16.7	21.6

279508 2011 AO_{58} 1 3.0 274°.59 0°.9/ 3.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.66	+19 9.6	1.924	2.771	12.6	21.4
12 13	7 9.70	+19 25.3	1.850	2.767	9.0	21.2
12 23	7 1.60	+19 46.5	1.800	2.764	5.0	20.9
1 2	6 52.20	+20 11.2	1.778	2.761	1.1	20.6
1 12	6 42.60	+20 36.9	1.786	2.757	4.0	20.8
1 22	6 33.93	+21 1.6	1.823	2.754	8.1	21.1
2 1	6 27.17	+21 24.5	1.885	2.751	11.9	21.3
2 11	6 22.99	+21 44.9	1.970	2.748	15.0	21.5

464048 2014 WH_{211} 1 3.0 337°.22 0°.4/ 2.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 16.24	+23 1.3	1.914	2.764	12.5	21.5
12 13	7 10.12	+23 17.7	1.843	2.763	8.9	21.2
12 23	7 1.83	+23 36.0	1.797	2.763	4.8	21.0
1 2	6 52.22	+23 53.6	1.779	2.762	0.5	20.7
1 12	6 42.46	+24 8.0	1.790	2.761	4.0	20.9
1 22	6 33.71	+24 18.3	1.830	2.761	8.2	21.2
2 1	6 26.96	+24 24.3	1.896	2.760	11.9	21.4
2 11	6 22.86	+24 27.1	1.984	2.760	15.0	21.6

7971 Meckbach 1 3.0 264°.66 8°.1/ 4.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 3	7 15.10	+ 2 26.2	1.860	2.663	14.8	18.0
12 13	7 9.31	+ 1 36.4	1.781	2.652	12.1	17.8
12 23	7 1.42	+ 1 3.7	1.724	2.641	9.6	17.6
1 2	6 52.19	+ 0 51.6	1.693	2.630	8.1	17.5
1 12	6 42.70	+ 1 1.4	1.689	2.618	8.7	17.5
1 22	6 34.05	+ 1 31.6	1.711	2.607	11.0	17.6
2 1	6 27.21	+ 2 18.4	1.757	2.596	13.9	17.8
2 11	6 22.87	+ 3 16.8	1.824	2.584	16.7	18.0