461237 2015 WP_6 1 6.9 58.°97 0.°8/ 6.8 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.10	+22 11.4	1.363	2.193	17.7	21.4
12 13	7 33.69	+22 44.5	1.311	2.213	13.3	21.2
12 23	7 25.11	+23 23.5	1.279	2.233	8.2	21.0
1 2	7 14.38	+24 3.2	1.273	2.253	2.8	20.7
1 12	7 3.09	+24 38.3	1.294	2.273	3.0	20.7
1 22	6 52.87	+25 5.5	1.342	2.294	8.1	21.1
2 1	6 45.09	+25 23.9	1.415	2.315	12.7	21.4
2 11	6 40.58	+25 34.5	1.509	2.335	16.5	21.7

465281 2007 TM_{190} 1 6.9 138.°78 0.°6/ 7.2 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 34.02	+19 46.3	2.499	3.299	11.5	22.3
12 13	7 28.68	+19 53.6	2.420	3.306	8.7	22.1
12 23	7 21.52	+20 4.9	2.366	3.313	5.4	21.9
1 2	7 13.12	+20 18.6	2.341	3.319	2.0	21.7
1 12	7 4.31	+20 33.0	2.346	3.325	1.8	21.7
1 22	6 55.95	+20 46.6	2.382	3.331	5.3	21.9
2 1	6 48.84	+20 58.6	2.447	3.337	8.5	22.1
2 11	6 43.58	+21 8.5	2.537	3.342	11.2	22.3

81893 2000 LR_{29} 1 6.9 141.°51 5.°6/ 8.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 35.00	+ 5 41.3	2.210	2.976	13.9	20.5
12 13	7 29.51	+ 5 10.6	2.134	2.985	11.3	20.3
12 23	7 22.07	+ 4 53.3	2.082	2.993	8.5	20.2
1 2	7 13.32	+ 4 50.9	2.056	3.002	6.2	20.0
1 12	7 4.13	+ 5 3.3	2.059	3.009	5.8	20.0
1 22	6 55.42	+ 5 29.0	2.090	3.017	7.6	20.1
2 1	6 48.05	+ 6 5.3	2.149	3.024	10.2	20.3
2 11	6 42.67	+ 6 48.4	2.233	3.030	12.8	20.5

453876 2011 UE_{127} 1 6.9 91.°82 0.°3/ 6.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.32	+21 35.8	1.640	2.455	15.9	21.6
12 13	7 34.13	+21 59.3	1.581	2.476	11.9	21.4
12 23	7 25.18	+22 27.8	1.546	2.496	7.4	21.2
1 2	7 14.39	+22 57.4	1.537	2.516	2.5	20.9
1 12	7 3.11	+23 24.1	1.557	2.536	2.5	21.0
1 22	6 52.73	+23 45.4	1.605	2.556	7.2	21.3
2 1	6 44.46	+24 0.5	1.681	2.575	11.4	21.6
2 11	6 39.08	+24 10.0	1.779	2.593	14.9	21.9

221853 2008 GB 1 6.9 179.°12 3.°2/ 8.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 34.66	+11 20.4	2.248	3.033	13.1	21.1
12 13	7 29.36	+11 28.5	2.163	3.034	10.3	20.9
12 23	7 22.06	+11 47.7	2.101	3.035	7.0	20.7
1 2	7 13.35	+12 17.4	2.068	3.035	4.0	20.6
1 12	7 4.09	+12 55.7	2.064	3.035	3.5	20.5
1 22	6 55.23	+13 40.0	2.090	3.035	6.3	20.7
2 1	6 47.67	+14 27.4	2.145	3.034	9.5	20.9
2 11	6 42.11	+15 15.1	2.225	3.033	12.5	21.1

127778 2003 FY_{53} 1 6.9 172.°01 1.°1/ 6.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.52	+23 45.1	2.507	3.307	11.5	20.5
12 13	7 30.70	+24 25.5	2.423	3.311	8.6	20.3
12 23	7 22.87	+25 8.7	2.366	3.314	5.4	20.1
1 2	7 13.63	+25 51.5	2.338	3.316	2.0	19.9
1 12	7 3.84	+26 30.2	2.341	3.318	2.3	19.9
1 22	6 54.46	+27 2.6	2.375	3.319	5.7	20.1
2 1	6 46.36	+27 27.5	2.438	3.320	8.9	20.3
2 11	6 40.25	+27 45.3	2.527	3.320	11.6	20.5

31715 1999 JX_{56} 1 6.9 184.°63 2.°1/ 6.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 34.18	+27 7.4	2.590	3.397	11.0	19.5
12 13	7 28.98	+27 53.4	2.507	3.396	8.3	19.3
12 23	7 21.82	+28 40.3	2.449	3.396	5.3	19.1
1 2	7 13.28	+29 24.5	2.421	3.396	2.5	18.9
1 12	7 4.20	+30 2.3	2.423	3.395	2.9	19.0
1 22	6 55.48	+30 31.6	2.456	3.395	5.8	19.2
2 1	6 48.00	+30 51.5	2.517	3.394	8.8	19.4
2 11	6 42.45	+31 2.8	2.603	3.393	11.4	19.5

319634 2006 SR_{366} 1 6.9 61.°59 2.°0/ 6.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 41.20	+27 47.6	1.551	2.373	16.3	20.9
12 13	7 34.96	+27 47.8	1.494	2.391	12.3	20.7
12 23	7 25.74	+27 45.8	1.460	2.410	7.7	20.5
1 2	7 14.59	+27 37.7	1.452	2.429	3.1	20.3
1 12	7 3.04	+27 21.0	1.472	2.449	3.3	20.3
1 22	6 52.60	+26 55.8	1.519	2.468	7.8	20.6
2 1	6 44.53	+26 24.5	1.593	2.487	11.9	20.9
2 11	6 39.56	+25 50.0	1.690	2.507	15.5	21.2

87579 2000 RX_{15} 1 6.9 231.°17 1.°3/ 6.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.89	+26 43.4	2.191	2.997	12.7	19.8
12 13	7 32.78	+26 43.0	2.098	2.988	9.7	19.6
12 23	7 24.31	+26 41.4	2.030	2.978	6.1	19.4
1 2	7 14.16	+26 35.8	1.990	2.968	2.4	19.1
1 12	7 3.37	+26 24.1	1.980	2.958	2.6	19.1
1 22	6 53.10	+26 5.7	2.001	2.947	6.4	19.3
2 1	6 44.40	+25 41.6	2.050	2.936	10.1	19.5
2 11	6 38.08	+25 13.6	2.123	2.924	13.3	19.7

408764 1998 BC_{22} 1 7.0 60.°65 1.°9/ 6.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 41.55	+28 14.4	1.640	2.459	15.7	20.7
12 13	7 35.03	+28 6.3	1.584	2.480	11.9	20.5
12 23	7 25.69	+27 55.1	1.551	2.501	7.5	20.3
1 2	7 14.58	+27 37.5	1.545	2.523	3.0	20.1
1 12	7 3.14	+27 11.8	1.567	2.544	3.2	20.1
1 22	6 52.81	+26 38.7	1.618	2.566	7.4	20.4
2 1	6 44.75	+26 0.6	1.695	2.588	11.4	20.7
2 11	6 39.68	+25 20.5	1.795	2.609	14.8	21.0

85904 1999 CH_{70} 1 7.0 356.°69 2.°2/ 7.4 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 35.85	+18 10.6	1.612	2.431	15.9	18.8
12 13	7 30.99	+17 44.0	1.535	2.430	12.2	18.6
12 23	7 23.41	+17 23.4	1.480	2.428	7.9	18.3
1 2	7 13.90	+17 8.4	1.451	2.428	3.5	18.1
1 12	7 3.71	+16 58.3	1.450	2.427	3.2	18.1
1 22	6 54.21	+16 52.3	1.476	2.427	7.6	18.3
2 1	6 46.61	+16 49.8	1.528	2.428	11.9	18.6
2 11	6 41.78	+16 50.0	1.602	2.429	15.7	18.8

325168 2008 FS_{49} 1 7.0 332.°13 0.°6/ 7.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 33.90	+20 21.5	1.457	2.289	16.7	21.0
12 13	7 30.02	+20 28.5	1.374	2.277	12.7	20.7
12 23	7 23.09	+20 42.6	1.313	2.266	8.1	20.4
1 2	7 13.88	+21 1.4	1.276	2.256	2.9	20.1
1 12	7 3.71	+21 21.6	1.266	2.246	2.7	20.1
1 22	6 54.12	+21 40.4	1.282	2.237	8.1	20.4
2 1	6 46.56	+21 55.9	1.323	2.228	13.0	20.6
2 11	6 42.08	+22 7.8	1.385	2.221	17.2	20.8

147528 2004 DO_{52} 1 7.0 266.°68 0.°7/ 7.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.93	+20 27.7	1.434	2.259	17.3	20.7
12 13	7 33.89	+20 29.5	1.350	2.249	13.2	20.4
12 23	7 25.56	+20 37.9	1.288	2.239	8.4	20.1
1 2	7 14.74	+20 50.3	1.250	2.229	3.0	19.7
1 12	7 2.86	+21 3.4	1.239	2.219	2.9	19.7
1 22	6 51.61	+21 14.7	1.256	2.209	8.4	20.0
2 1	6 42.56	+21 23.1	1.297	2.199	13.5	20.3
2 11	6 36.82	+21 28.8	1.360	2.189	17.9	20.5

242946 2006 RY_{38} 1 7.0 184.°25 1.°9/ 7.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 31.95	+14 5.7	2.990	3.773	10.2	21.3
12 13	7 26.92	+14 17.7	2.900	3.773	7.9	21.2
12 23	7 20.39	+14 36.5	2.835	3.773	5.2	21.0
1 2	7 12.81	+15 1.3	2.800	3.772	2.6	20.8
1 12	7 4.84	+15 30.7	2.796	3.771	2.3	20.8
1 22	6 57.15	+16 2.9	2.823	3.769	4.8	20.9
2 1	6 50.40	+16 36.1	2.880	3.767	7.5	21.1
2 11	6 45.14	+17 9.0	2.964	3.765	9.9	21.3

226969 2004 VB_{107} 1 7.0 25.°63 4.°5/ 7.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 33.55	+12 17.3	1.651	2.460	16.1	20.7
12 13	7 29.04	+11 41.7	1.584	2.467	12.6	20.5
12 23	7 22.07	+11 17.5	1.538	2.475	8.7	20.3
1 2	7 13.43	+11 5.8	1.517	2.484	5.3	20.1
1 12	7 4.25	+11 6.4	1.524	2.493	4.9	20.1
1 22	6 55.76	+11 17.8	1.558	2.503	7.9	20.3
2 1	6 49.03	+11 37.6	1.617	2.513	11.6	20.6
2 11	6 44.83	+12 2.8	1.699	2.524	15.0	20.8

276586 2003 SN_{325} 1 7.0 6.°62 1.°0/ 6.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 35.04	+23 59.4	2.052	2.867	13.2	20.9
12 13	7 29.99	+24 21.9	1.972	2.867	9.9	20.7
12 23	7 22.62	+24 47.0	1.916	2.867	6.2	20.5
1 2	7 13.63	+25 11.6	1.888	2.867	2.2	20.2
1 12	7 4.04	+25 32.4	1.889	2.867	2.4	20.2
1 22	6 54.96	+25 47.4	1.919	2.868	6.4	20.5
2 1	6 47.45	+25 56.0	1.977	2.868	10.1	20.7
2 11	6 42.27	+25 58.8	2.058	2.868	13.3	20.9

179214 2001 TR_{218} 1 7.0 155.°94 3.°0/ 8.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 35.77	+11 41.4	2.496	3.274	12.2	21.6
12 13	7 29.95	+11 39.1	2.416	3.283	9.5	21.4
12 23	7 22.33	+11 45.9	2.360	3.291	6.5	21.2
1 2	7 13.48	+12 1.3	2.333	3.299	3.8	21.1
1 12	7 4.21	+12 24.2	2.336	3.306	3.3	21.1
1 22	6 55.37	+12 52.8	2.371	3.313	5.8	21.2
2 1	6 47.75	+13 24.8	2.434	3.318	8.8	21.4
2 11	6 41.96	+13 58.4	2.523	3.323	11.4	21.6

346946 2010 AF_{76} 1 7.0 11.°45 2.°2/ 7.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 35.68	+14 26.4	1.241	2.070	19.2	20.2
12 13	7 31.64	+15 1.8	1.172	2.071	14.8	20.0
12 23	7 24.22	+15 55.3	1.122	2.072	9.6	19.7
1 2	7 14.29	+17 3.6	1.097	2.074	4.1	19.4
1 12	7 3.35	+18 20.5	1.097	2.076	3.4	19.3
1 22	6 53.15	+19 38.6	1.123	2.079	8.8	19.6
2 1	6 45.30	+20 51.9	1.174	2.082	14.0	19.9
2 11	6 40.89	+21 56.6	1.245	2.086	18.4	20.2

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
393426	2001 SE_{120}		1 7.0	96.°75	2.°8/ 7.6	17
	h m	° ′			°	m
12 3	7 40.09	+15 41.7	1.531	2.340	17.1	21.3
12 13	7 34.08	+15 29.8	1.469	2.358	13.1	21.1
12 23	7 25.23	+15 27.9	1.430	2.375	8.6	20.8
1 2	7 14.50	+15 34.9	1.417	2.391	4.0	20.6
1 12	7 3.24	+15 48.8	1.431	2.408	3.6	20.6
1 22	6 52.90	+16 7.2	1.474	2.424	7.8	20.9
2 1	6 44.69	+16 28.0	1.542	2.439	12.1	21.2
2 11	6 39.41	+16 49.5	1.633	2.454	15.7	21.5
164839	1999 TX_{86}		1 7.0	104.°31	0.°2/ 7.1	18
12 3	7 40.10	+20 52.2	1.783	2.592	15.0	21.1
12 13	7 33.80	+21 4.9	1.721	2.612	11.3	20.9
12 23	7 24.94	+21 22.4	1.682	2.631	7.0	20.6
1 2	7 14.38	+21 41.7	1.670	2.649	2.4	20.4
1 12	7 3.36	+21 59.9	1.688	2.667	2.3	20.4
1 22	6 53.16	+22 14.7	1.735	2.685	6.8	20.7
2 1	6 44.89	+22 25.6	1.809	2.702	10.8	21.0
2 11	6 39.29	+22 32.9	1.907	2.718	14.2	21.3
463357	2012 SH_{22}		1 7.0	134.°58	2.°5/ 7.9	18
12 3	7 32.57	+13 31.3	2.807	3.591	10.8	21.9
12 13	7 27.37	+13 18.9	2.729	3.601	8.4	21.7
12 23	7 20.64	+13 13.1	2.675	3.610	5.6	21.6
1 2	7 12.89	+13 13.6	2.650	3.619	3.1	21.4
1 12	7 4.81	+13 19.9	2.656	3.628	2.8	21.4
1 22	6 57.12	+13 30.9	2.693	3.636	5.1	21.6
2 1	6 50.49	+13 45.3	2.759	3.644	7.8	21.8
2 11	6 45.43	+14 1.9	2.850	3.652	10.2	21.9
343210	2009 WG_1		1 7.0	69.°58	1.°6/ 7.4	17
12 3	7 39.76	+17 28.6	1.254	2.082	19.1	21.4
12 13	7 34.40	+17 42.4	1.199	2.098	14.5	21.1
12 23	7 25.70	+18 7.6	1.164	2.115	9.2	20.9
1 2	7 14.71	+18 41.0	1.153	2.131	3.6	20.6
1 12	7 3.06	+19 18.0	1.168	2.148	3.2	20.6
1 22	6 52.49	+19 54.4	1.210	2.165	8.5	21.0
2 1	6 44.47	+20 27.4	1.277	2.181	13.4	21.3
2 11	6 39.87	+20 55.8	1.364	2.198	17.5	21.6
192535	1998 SW_{85}		1 7.0	117.°84	1.°3/ 6.7	17
12 3	7 42.96	+24 30.8	1.670	2.482	15.8	21.6
12 13	7 36.21	+24 56.6	1.607	2.500	11.9	21.4
12 23	7 26.56	+25 24.6	1.568	2.518	7.4	21.2
1 2	7 14.96	+25 50.0	1.556	2.534	2.7	21.0
1 12	7 2.81	+26 8.8	1.573	2.550	3.0	21.0
1 22	6 51.59	+26 19.0	1.618	2.566	7.5	21.3
2 1	6 42.56	+26 20.9	1.691	2.581	11.6	21.6
2 11	6 36.54	+26 16.3	1.787	2.595	15.1	21.9
326691	2002 XK_{116}		1 7.0	326.°95	7.°3/ 5.7	18
12 3	7 41.50	+39 32.8	1.650	2.462	15.9	20.6
12 13	7 35.94	+40 14.0	1.573	2.454	12.8	20.4
12 23	7 26.83	+40 44.6	1.518	2.446	9.7	20.2
1 2	7 15.16	+40 56.3	1.487	2.438	7.5	20.0
1 12	7 2.57	+40 43.5	1.483	2.431	7.9	20.0
1 22	6 50.92	+40 5.2	1.505	2.424	10.6	20.2
2 1	6 41.84	+39 5.9	1.551	2.418	13.9	20.4
2 11	6 36.33	+37 52.8	1.619	2.412	17.1	20.6
27978	Lubosluka		1 7.0	130.°10	0.°5/ 6.9	18
12 3	7 38.07	+23 11.7	2.049	2.857	13.4	19.3
12 13	7 32.14	+23 26.5	1.976	2.867	10.1	19.1
12 23	7 23.88	+23 43.8	1.928	2.877	6.3	18.9
1 2	7 14.05	+24 0.6	1.907	2.886	2.2	18.7
1 12	7 3.71	+24 14.3	1.916	2.895	2.3	18.7
1 22	6 54.00	+24 23.1	1.955	2.904	6.3	19.0
2 1	6 45.95	+24 26.9	2.023	2.912	10.0	19.2
2 11	6 40.28	+24 26.3	2.114	2.920	13.1	19.4
276860	2004 RD_{148}		1 7.0	82.°49	1.°4/ 7.5	18
12 3	7 34.64	+16 51.9	1.957	2.764	14.0	20.5
12 13	7 29.67	+17 10.7	1.881	2.769	10.7	20.3
12 23	7 22.42	+17 38.0	1.828	2.775	6.8	20.0
1 2	7 13.58	+18 11.8	1.803	2.780	2.8	19.8
1 12	7 4.16	+18 49.1	1.807	2.785	2.4	19.8
1 22	6 55.27	+19 26.9	1.840	2.791	6.4	20.0
2 1	6 47.93	+20 3.0	1.900	2.796	10.2	20.3
2 11	6 42.88	+20 35.8	1.985	2.801	13.5	20.5
295637	2008 SE_{254}		1 7.0	353.°52	1.°6/ 7.4	18
12 3	7 35.16	+17 46.7	1.251	2.086	18.6	20.1
12 13	7 31.27	+17 55.9	1.179	2.083	14.3	19.9
12 23	7 24.00	+18 16.8	1.128	2.081	9.2	19.6
1 2	7 14.23	+18 46.9	1.100	2.079	3.6	19.2
1 12	7 3.49	+19 22.2	1.098	2.077	3.2	19.2
1 22	6 53.51	+19 58.3	1.121	2.077	8.8	19.5
2 1	6 45.88	+20 32.2	1.168	2.077	14.0	19.8
2 11	6 41.68	+21 1.9	1.235	2.078	18.4	20.1

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
419834	2010 XW_{66}		1 7.0	99.°81	2.°9/ 7.7	18
	h m	° ′			°	m
12 3	7 35.45	+14 36.5	1.877	2.680	14.6	21.8
12 13	7 30.30	+14 23.6	1.801	2.685	11.3	21.6
12 23	7 22.82	+14 19.8	1.748	2.689	7.5	21.4
1 2	7 13.71	+14 24.7	1.721	2.693	3.9	21.2
1 12	7 4.05	+14 37.0	1.723	2.698	3.5	21.2
1 22	6 54.96	+14 54.8	1.754	2.702	6.9	21.4
2 1	6 47.49	+15 16.3	1.812	2.706	10.7	21.6
2 11	6 42.38	+15 39.5	1.893	2.711	14.0	21.8
193752	2001 KR_{15}		1 7.0	186.°61	1.°7/ 6.5	18
12 3	7 41.77	+24 34.0	1.952	2.757	14.1	21.3
12 13	7 35.30	+25 21.5	1.868	2.757	10.7	21.0
12 23	7 26.10	+26 12.7	1.809	2.757	6.7	20.8
1 2	7 14.89	+27 2.5	1.777	2.755	2.7	20.5
1 12	7 2.85	+27 45.8	1.776	2.753	3.1	20.6
1 22	6 51.33	+28 19.2	1.806	2.749	7.2	20.8
2 1	6 41.59	+28 41.6	1.863	2.745	11.1	21.0
2 11	6 34.55	+28 54.3	1.944	2.740	14.5	21.2
311035	2004 BN_{49}		1 7.0	277.°97	0.°0/ 6.8	18
12 3	7 37.39	+22 21.7	1.730	2.548	15.1	20.7
12 13	7 32.20	+22 20.7	1.643	2.539	11.5	20.4
12 23	7 24.24	+22 23.0	1.580	2.531	7.2	20.1
1 2	7 14.26	+22 26.1	1.543	2.522	2.5	19.8
1 12	7 3.48	+22 27.6	1.534	2.514	2.5	19.8
1 22	6 53.27	+22 25.9	1.553	2.505	7.3	20.1
2 1	6 44.91	+22 21.0	1.600	2.497	11.7	20.3
2 11	6 39.33	+22 13.6	1.668	2.488	15.5	20.5
317552	2002 UD_{41}		1 7.0	75.°01	7.°1/ 9.2	18
12 3	7 33.29	+ 1 28.5	2.249	2.999	14.2	20.7
12 13	7 28.15	+ 0 36.8	2.186	3.017	11.8	20.6
12 23	7 21.22	+ 0 0.7	2.145	3.035	9.4	20.5
1 2	7 13.12	− 0 17.5	2.130	3.054	7.6	20.4
1 12	7 4.68	− 0 17.0	2.143	3.072	7.2	20.4
1 22	6 56.78	+ 0 1.0	2.183	3.090	8.4	20.5
2 1	6 50.17	+ 0 33.5	2.250	3.108	10.5	20.7
2 11	6 45.43	+ 1 16.3	2.340	3.126	12.6	20.9
212066	2005 EQ_{39}		1 7.0	216.°36	1.°8/ 6.7	18
12 3	7 40.23	+26 54.3	1.825	2.639	14.6	20.7
12 13	7 34.26	+27 5.7	1.741	2.634	11.1	20.5
12 23	7 25.47	+27 16.7	1.681	2.630	7.0	20.2
1 2	7 14.68	+27 23.3	1.647	2.625	2.9	20.0
1 12	7 3.13	+27 22.2	1.643	2.620	3.1	20.0
1 22	6 52.23	+27 12.2	1.667	2.614	7.4	20.2
2 1	6 43.26	+26 54.2	1.719	2.608	11.5	20.5
2 11	6 37.12	+26 30.8	1.794	2.602	15.1	20.7
448236	2008 WS_{28}		1 7.0	109.°45	2.°2/ 7.5	18
12 3	7 41.38	+16 24.8	1.756	2.556	15.6	22.0
12 13	7 34.69	+16 20.1	1.695	2.579	11.9	21.8
12 23	7 25.47	+16 23.5	1.657	2.601	7.7	21.6
1 2	7 14.59	+16 33.7	1.647	2.622	3.4	21.4
1 12	7 3.30	+16 48.4	1.666	2.643	3.0	21.4
1 22	6 52.87	+17 5.6	1.715	2.663	7.0	21.7
2 1	6 44.38	+17 23.6	1.791	2.683	10.9	22.0
2 11	6 38.56	+17 41.5	1.890	2.701	14.3	22.2
314217	2005 NO_{61}		1 7.0	181.°97	1.°8/ 6.7	18
12 3	7 40.23	+27 55.3	2.037	2.845	13.5	21.0
12 13	7 33.91	+27 57.5	1.955	2.845	10.2	20.8
12 23	7 25.08	+27 57.5	1.898	2.845	6.5	20.6
1 2	7 14.51	+27 52.3	1.868	2.845	2.7	20.3
1 12	7 3.38	+27 39.3	1.869	2.845	2.9	20.3
1 22	6 52.91	+27 18.1	1.899	2.844	6.7	20.6
2 1	6 44.22	+26 50.3	1.957	2.843	10.5	20.8
2 11	6 38.10	+26 18.2	2.039	2.842	13.7	21.0
494934	2009 BF_{38}		1 7.0	295.°98	0.°5/ 6.9	17
12 3	7 36.72	+22 1.9	1.526	2.352	16.3	22.2
12 13	7 32.17	+22 24.2	1.439	2.339	12.5	21.9
12 23	7 24.50	+22 52.9	1.373	2.326	7.9	21.6
1 2	7 14.45	+23 24.4	1.333	2.313	2.7	21.2
1 12	7 3.35	+23 54.1	1.321	2.300	2.8	21.2
1 22	6 52.76	+24 18.4	1.335	2.288	8.1	21.5
2 1	6 44.19	+24 35.8	1.375	2.275	13.0	21.7
2 11	6 38.75	+24 46.6	1.437	2.263	17.2	22.0
495145	2012 DC_{34}		1 7.0	49.°99	6.°5/ 9.6	18
12 3	7 34.47	+ 4 16.5	1.543	2.329	18.0	21.0
12 13	7 29.86	+ 4 22.3	1.481	2.345	14.6	20.8
12 23	7 22.67	+ 4 50.6	1.440	2.360	10.8	20.6
1 2	7 13.71	+ 5 41.9	1.423	2.376	7.5	20.5
1 12	7 4.19	+ 6 53.1	1.432	2.392	6.6	20.5
1 22	6 55.39	+ 8 18.6	1.469	2.409	8.9	20.6
2 1	6 48.45	+ 9 51.4	1.531	2.426	12.3	20.9
2 11	6 44.14	+11 24.7	1.617	2.443	15.6	21.1

290061 2005 QX_{64} 1 7.0 161.°48 1.°9/ 6.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.21	+26 36.2	2.152	2.960	12.9	21.6
12 13	7 32.32	+27 9.3	2.074	2.964	9.7	21.4
12 23	7 24.08	+27 43.1	2.020	2.968	6.2	21.2
1 2	7 14.19	+28 13.5	1.995	2.972	2.7	20.9
1 12	7 3.70	+28 37.0	2.000	2.975	3.0	21.0
1 22	6 53.77	+28 51.4	2.035	2.978	6.5	21.2
2 1	6 45.43	+28 56.7	2.097	2.980	10.0	21.4
2 11	6 39.47	+28 54.3	2.184	2.982	13.1	21.6

131860 2002 AN_{148} 1 7.0 311.°96 5.°2/ 5.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.19	+29 13.7	1.413	2.247	17.0	19.7
12 13	7 33.86	+30 45.1	1.335	2.237	13.1	19.4
12 23	7 25.88	+32 21.0	1.278	2.227	8.9	19.2
1 2	7 15.01	+33 51.5	1.247	2.217	5.5	19.0
1 12	7 2.77	+35 6.3	1.243	2.208	6.5	19.0
1 22	6 51.08	+35 58.6	1.264	2.199	10.6	19.2
2 1	6 41.78	+36 27.1	1.310	2.191	15.0	19.4
2 11	6 36.19	+36 35.6	1.375	2.183	18.8	19.6

242858 2006 GJ_9 1 7.0 182.°09 1.°3/ 7.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.14	+17 40.5	1.867	2.672	14.6	21.6
12 13	7 32.49	+17 52.6	1.785	2.673	11.2	21.4
12 23	7 24.30	+18 12.7	1.727	2.673	7.2	21.1
1 2	7 14.30	+18 38.6	1.695	2.673	2.8	20.9
1 12	7 3.60	+19 7.5	1.693	2.672	2.5	20.9
1 22	6 53.44	+19 36.6	1.721	2.671	6.8	21.1
2 1	6 44.97	+20 3.9	1.776	2.670	10.9	21.4
2 11	6 39.03	+20 28.4	1.854	2.667	14.4	21.6

138332 2000 GJ_{94} 1 7.0 30.°78 7.°9/ 9.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 33.17	+ 1 50.8	1.573	2.351	18.1	18.7
12 13	7 28.94	+ 1 36.1	1.504	2.357	15.0	18.5
12 23	7 22.16	+ 1 44.8	1.454	2.363	11.7	18.3
1 2	7 13.57	+ 2 19.2	1.428	2.369	8.8	18.1
1 12	7 4.34	+ 3 18.2	1.427	2.376	8.0	18.1
1 22	6 55.71	+ 4 37.1	1.452	2.384	9.8	18.2
2 1	6 48.84	+ 6 9.1	1.503	2.392	12.9	18.4
2 11	6 44.56	+ 7 46.6	1.577	2.400	16.1	18.7

491604 2012 TY_{17} 1 7.0 127.°09 2.°9/ 7.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 33.27	+13 44.1	2.359	3.151	12.4	21.2
12 13	7 28.25	+13 23.0	2.277	3.153	9.6	21.0
12 23	7 21.38	+13 9.2	2.219	3.156	6.5	20.8
1 2	7 13.25	+13 2.9	2.189	3.158	3.6	20.6
1 12	7 4.68	+13 3.6	2.189	3.160	3.3	20.6
1 22	6 56.54	+13 10.3	2.218	3.162	6.0	20.8
2 1	6 49.65	+13 21.8	2.275	3.164	9.1	21.0
2 11	6 44.63	+13 36.4	2.358	3.166	11.9	21.2

138707 2000 SP_{95} 1 7.0 128.°91 4.°5/ 8.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 31.71	+ 7 18.8	2.656	3.424	11.8	20.3
12 13	7 26.85	+ 6 53.2	2.576	3.430	9.5	20.2
12 23	7 20.41	+ 6 38.0	2.520	3.436	7.0	20.0
1 2	7 12.91	+ 6 34.0	2.491	3.442	5.0	19.9
1 12	7 5.04	+ 6 41.2	2.492	3.447	4.6	19.9
1 22	6 57.54	+ 6 58.4	2.523	3.453	6.3	20.0
2 1	6 51.10	+ 7 23.8	2.582	3.458	8.6	20.1
2 11	6 46.26	+ 7 54.9	2.666	3.463	11.0	20.3

147648 2004 JK_{26} 1 7.0 278.°15 1.°9/ 6.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.79	+25 16.9	1.831	2.650	14.3	19.9
12 13	7 31.82	+25 53.3	1.741	2.637	10.9	19.7
12 23	7 24.10	+26 33.1	1.674	2.625	6.9	19.4
1 2	7 14.31	+27 11.6	1.634	2.612	2.8	19.1
1 12	7 3.61	+27 44.2	1.623	2.600	3.2	19.1
1 22	6 53.35	+28 7.7	1.641	2.587	7.5	19.4
2 1	6 44.83	+28 21.1	1.685	2.575	11.6	19.6
2 11	6 39.04	+28 25.5	1.751	2.562	15.3	19.8

168536 1999 VU_{66} 1 7.0 93.°70 3.°2/ 6.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.63	+28 43.3	1.783	2.595	15.0	20.5
12 13	7 35.89	+29 33.8	1.729	2.620	11.3	20.3
12 23	7 26.35	+30 23.0	1.699	2.645	7.3	20.1
1 2	7 14.96	+31 4.7	1.696	2.670	3.7	19.9
1 12	7 3.09	+31 34.0	1.723	2.693	4.2	20.0
1 22	6 52.17	+31 49.0	1.778	2.717	7.7	20.3
2 1	6 43.39	+31 50.6	1.861	2.740	11.3	20.5
2 11	6 37.53	+31 42.0	1.966	2.762	14.4	20.8

241837 2001 SY_{313} 1 7.0 117.°16 3.°9/ 5.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.40	+34 15.1	2.732	3.529	10.7	20.7
12 13	7 31.36	+35 9.0	2.666	3.545	8.3	20.6
12 23	7 23.32	+35 58.7	2.627	3.560	5.8	20.4
1 2	7 13.93	+36 39.8	2.616	3.575	4.0	20.3
1 12	7 4.08	+37 8.8	2.636	3.590	4.4	20.4
1 22	6 54.73	+37 24.3	2.685	3.604	6.5	20.5
2 1	6 46.76	+37 26.7	2.763	3.618	8.9	20.7
2 11	6 40.83	+37 18.4	2.865	3.632	11.1	20.9

355932 2008 YU_{51} 1 7.0 188.°62 2.°1/ 6.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.16	+27 27.7	1.822	2.634	14.6	21.2
12 13	7 34.95	+27 41.0	1.742	2.634	11.1	21.0
12 23	7 25.91	+27 53.2	1.685	2.633	7.1	20.8
1 2	7 14.88	+28 0.4	1.655	2.632	3.0	20.5
1 12	7 3.14	+27 59.1	1.654	2.631	3.3	20.5
1 22	6 52.10	+27 48.1	1.683	2.629	7.4	20.8
2 1	6 43.04	+27 28.7	1.738	2.626	11.5	21.0
2 11	6 36.84	+27 3.5	1.817	2.624	15.0	21.2

245064 2004 GL_7 1 7.0 229.°47 4.°1/ 5.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.42	+34 8.9	2.452	3.256	11.6	20.8
12 13	7 30.94	+34 51.5	2.371	3.253	9.0	20.6
12 23	7 23.22	+35 30.0	2.314	3.251	6.3	20.5
1 2	7 13.93	+35 59.8	2.286	3.248	4.3	20.3
1 12	7 4.05	+36 17.3	2.287	3.245	4.7	20.4
1 22	6 54.65	+36 20.7	2.318	3.243	7.0	20.5
2 1	6 46.73	+36 11.0	2.376	3.240	9.8	20.7
2 11	6 41.04	+35 50.6	2.458	3.237	12.3	20.8

69843 1998 SL_{22} 1 7.0 93.°95 0.°3/ 7.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 35.36	+20 58.4	2.122	2.930	13.0	19.7
12 13	7 30.06	+21 6.2	2.047	2.938	9.8	19.5
12 23	7 22.61	+21 18.1	1.998	2.946	6.1	19.3
1 2	7 13.70	+21 31.8	1.975	2.955	2.1	19.1
1 12	7 4.32	+21 45.2	1.983	2.963	2.0	19.1
1 22	6 55.50	+21 56.6	2.020	2.971	6.0	19.4
2 1	6 48.17	+22 5.2	2.086	2.979	9.6	19.6
2 11	6 43.05	+22 11.0	2.175	2.987	12.6	19.8

454205 2013 HL_{27} 1 7.0 321.°03 2.°3/ 6.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.12	+26 0.3	1.433	2.266	16.8	21.5
12 13	7 32.69	+26 28.7	1.353	2.256	12.8	21.2
12 23	7 24.93	+26 59.8	1.294	2.247	8.2	20.9
1 2	7 14.65	+27 28.2	1.260	2.238	3.4	20.6
1 12	7 3.32	+27 48.6	1.253	2.230	3.8	20.6
1 22	6 52.67	+27 58.0	1.272	2.222	8.8	20.9
2 1	6 44.30	+27 56.2	1.316	2.215	13.6	21.1
2 11	6 39.29	+27 45.6	1.381	2.208	17.7	21.3

432429 2010 BQ_{43} 1 7.0 297.°31 3.°1/ 8.3 15

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 32.16	+10 53.7	2.197	2.987	13.2	21.2
12 13	7 27.79	+11 16.7	2.096	2.970	10.4	20.9
12 23	7 21.34	+11 52.8	2.018	2.953	7.2	20.7
1 2	7 13.34	+12 41.5	1.968	2.937	4.0	20.5
1 12	7 4.63	+13 40.4	1.947	2.920	3.4	20.4
1 22	6 56.15	+14 45.8	1.956	2.904	6.4	20.6
2 1	6 48.86	+15 53.9	1.993	2.888	9.9	20.7
2 11	6 43.56	+17 1.2	2.056	2.871	13.1	20.9

419015 2009 QF_6 1 7.0 118.°36 3.°1/ 7.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.10	+12 59.7	2.479	3.256	12.3	22.3
12 13	7 31.57	+12 29.6	2.411	3.278	9.5	22.1
12 23	7 23.29	+12 6.7	2.369	3.300	6.5	22.0
1 2	7 13.89	+11 51.2	2.356	3.321	3.8	21.8
1 12	7 4.21	+11 42.9	2.373	3.342	3.5	21.8
1 22	6 55.11	+11 41.1	2.422	3.362	5.9	22.0
2 1	6 47.34	+11 44.8	2.500	3.380	8.7	22.2
2 11	6 41.46	+11 52.7	2.604	3.399	11.3	22.4

8069 Benweiss 1 7.0 333.°56 4.°0/ 8.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 35.23	+12 38.1	1.401	2.219	18.0	17.4
12 13	7 31.00	+12 31.6	1.324	2.214	14.1	17.1
12 23	7 23.73	+12 40.1	1.268	2.210	9.6	16.9
1 2	7 14.22	+13 3.6	1.235	2.206	5.3	16.6
1 12	7 3.80	+13 40.0	1.228	2.203	4.6	16.6
1 22	6 53.99	+14 25.4	1.248	2.200	8.7	16.8
2 1	6 46.22	+15 15.5	1.293	2.197	13.3	17.0
2 11	6 41.51	+16 6.1	1.358	2.194	17.5	17.3

406539 2007 VF_{332} 1 7.0 6.°63 1.°0/ 6.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 35.03	+25 20.9	1.182	2.030	18.7	20.1
12 13	7 31.33	+25 8.1	1.119	2.030	14.2	19.8
12 23	7 24.07	+24 55.7	1.075	2.032	8.9	19.5
1 2	7 14.32	+24 40.5	1.055	2.035	3.1	19.2
1 12	7 3.78	+24 20.1	1.060	2.040	3.2	19.2
1 22	6 54.31	+23 54.5	1.090	2.046	8.9	19.5
2 1	6 47.45	+23 25.2	1.142	2.053	14.1	19.9
2 11	6 44.17	+22 54.7	1.215	2.062	18.4	20.1

20652 1999 TY_{229} 1 7.0 296.°52 5.°4/ 8.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 34.54	+ 8 45.4	1.610	2.409	16.9	18.1
12 13	7 30.14	+ 8 32.0	1.526	2.401	13.5	17.9
12 23	7 23.06	+ 8 35.1	1.462	2.393	9.8	17.7
1 2	7 13.97	+ 8 55.9	1.423	2.385	6.3	17.4
1 12	7 4.04	+ 9 33.5	1.411	2.377	5.7	17.4
1 22	6 54.57	+10 24.5	1.425	2.370	8.7	17.5
2 1	6 46.82	+11 24.4	1.466	2.362	12.6	17.7
2 11	6 41.76	+12 28.1	1.528	2.355	16.3	18.0

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
124189	2001 OS_{61}		1	7.0	190.°72	2.°2/ 6.5 18
	h m	° ′			°	m
12 3	7 41.90	+26 41.7	1.722	2.536	15.3	20.5
12 13	7 35.73	+27 11.4	1.642	2.536	11.6	20.3
12 23	7 26.54	+27 42.1	1.585	2.534	7.4	20.1
1 2	7 15.15	+28 8.7	1.555	2.532	3.2	19.8
1 12	7 2.93	+28 26.5	1.554	2.530	3.5	19.8
1 22	6 51.39	+28 33.2	1.582	2.527	7.9	20.1
2 1	6 41.92	+28 29.2	1.636	2.524	12.1	20.3
2 11	6 35.49	+28 17.1	1.713	2.519	15.7	20.5
91107	1998 HY_{34}		1	7.0	262.°55	5.°4/ 5.0 18
12 3	7 38.93	+34 44.3	2.045	2.853	13.4	19.4
12 13	7 33.48	+35 54.1	1.959	2.843	10.5	19.2
12 23	7 25.18	+37 0.8	1.898	2.832	7.6	19.0
1 2	7 14.72	+37 57.3	1.864	2.821	5.5	18.9
1 12	7 3.31	+38 37.4	1.858	2.811	6.1	18.9
1 22	6 52.33	+38 58.0	1.881	2.800	8.8	19.0
2 1	6 43.16	+38 59.5	1.930	2.788	11.9	19.2
2 11	6 36.79	+38 45.4	2.001	2.777	14.8	19.4
32922	1995 EM_2		1	7.1	64.°67	0.°9/ 7.3 18
12 3	7 38.64	+19 32.7	1.413	2.238	17.5	18.8
12 13	7 33.40	+19 37.4	1.350	2.249	13.3	18.6
12 23	7 25.09	+19 49.8	1.309	2.260	8.4	18.3
1 2	7 14.63	+20 7.0	1.292	2.271	3.1	18.0
1 12	7 3.52	+20 25.7	1.303	2.283	2.8	18.1
1 22	6 53.33	+20 43.2	1.340	2.294	7.9	18.4
2 1	6 45.40	+20 58.2	1.403	2.306	12.6	18.7
2 11	6 40.63	+21 10.2	1.488	2.317	16.6	19.0
452266	2015 TX_{142}		1	7.1	194.°06	10.°7/ 9.9 18
12 3	7 36.95	− 5 17.3	1.910	2.631	17.2	22.2
12 13	7 31.48	− 6 21.5	1.830	2.630	15.0	22.0
12 23	7 23.66	− 7 3.9	1.770	2.627	12.8	21.9
1 2	7 14.14	− 7 19.4	1.733	2.625	11.1	21.8
1 12	7 3.94	− 7 5.3	1.721	2.621	10.7	21.7
1 22	6 54.18	− 6 22.9	1.734	2.617	11.7	21.8
2 1	6 45.92	− 5 16.6	1.772	2.612	13.8	21.9
2 11	6 39.99	− 3 53.6	1.832	2.606	16.1	22.1
452964	2007 CT_{62}		1	7.1	348.°79	1.°5/ 7.1 18
12 3	7 36.74	+23 0.2	1.335	2.171	17.7	19.7
12 13	7 32.30	+21 57.4	1.257	2.161	13.5	19.5
12 23	7 24.58	+20 52.7	1.199	2.153	8.6	19.2
1 2	7 14.51	+19 46.5	1.167	2.146	3.3	18.8
1 12	7 3.62	+18 40.5	1.161	2.140	3.2	18.8
1 22	6 53.61	+17 37.7	1.181	2.135	8.6	19.1
2 1	6 45.94	+16 41.2	1.225	2.132	13.7	19.4
2 11	6 41.58	+15 52.8	1.291	2.130	18.0	19.6
13199	1997 EW_{25}		1	7.1	249.°79	5.°1/ 5.9 18
12 3	7 42.28	+32 8.0	1.503	2.326	16.7	18.2
12 13	7 36.71	+32 59.4	1.425	2.319	13.0	18.0
12 23	7 27.52	+33 48.3	1.368	2.312	8.9	17.7
1 2	7 15.58	+34 26.3	1.337	2.305	5.5	17.5
1 12	7 2.52	+34 46.4	1.333	2.298	6.1	17.5
1 22	6 50.23	+34 45.7	1.355	2.291	9.9	17.7
2 1	6 40.46	+34 26.0	1.402	2.283	14.1	17.9
2 11	6 34.33	+33 52.7	1.470	2.276	17.9	18.2
116227	2003 YX_4		1	7.1	252.°54	1.°2/ 6.5 18
12 3	7 34.88	+22 47.7	2.280	3.088	12.2	19.6
12 13	7 29.86	+23 44.2	2.190	3.081	9.2	19.4
12 23	7 22.64	+24 46.3	2.126	3.075	5.8	19.1
1 2	7 13.81	+25 49.6	2.090	3.069	2.2	18.9
1 12	7 4.26	+26 49.7	2.085	3.062	2.5	18.9
1 22	6 55.03	+27 42.9	2.111	3.056	6.2	19.1
2 1	6 47.13	+28 27.0	2.165	3.049	9.7	19.3
2 11	6 41.34	+29 1.7	2.243	3.043	12.7	19.5
335930	2007 TW_{20}		1	7.1	106.°35	0.°0/ 7.1 18
12 3	7 34.58	+21 28.9	2.549	3.350	11.3	21.6
12 13	7 29.12	+21 39.9	2.477	3.365	8.5	21.4
12 23	7 21.89	+21 53.8	2.432	3.379	5.3	21.2
1 2	7 13.48	+22 8.7	2.415	3.394	1.8	21.0
1 12	7 4.72	+22 22.6	2.428	3.408	1.7	21.0
1 22	6 56.44	+22 34.2	2.473	3.422	5.1	21.3
2 1	6 49.43	+22 42.9	2.546	3.436	8.2	21.5
2 11	6 44.26	+22 48.7	2.645	3.449	10.9	21.7
444187	2005 SH_{25}		1	7.1	128.°80	2.°1/ 6.5 18
12 3	7 43.67	+25 59.5	1.723	2.533	15.4	22.0
12 13	7 36.84	+26 37.4	1.658	2.549	11.7	21.8
12 23	7 27.08	+27 16.7	1.616	2.565	7.3	21.6
1 2	7 15.32	+27 51.8	1.602	2.580	3.1	21.4
1 12	7 2.94	+28 18.0	1.618	2.594	3.4	21.4
1 22	6 51.44	+28 32.8	1.663	2.607	7.6	21.7
2 1	6 42.09	+28 36.7	1.734	2.620	11.6	22.0
2 11	6 35.76	+28 32.2	1.829	2.631	15.0	22.2

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
490379	2009 KF_{24}		1	7.1	192.°09	6.°2/ 9.1 18
	h m	° ′			°	m
12 3	7 35.21	+ 4 5.4	2.119	2.881	14.6	22.1
12 13	7 29.96	+ 3 42.3	2.034	2.879	12.0	22.0
12 23	7 22.62	+ 3 34.6	1.971	2.878	9.2	21.8
1 2	7 13.80	+ 3 44.1	1.933	2.876	6.8	21.6
1 12	7 4.38	+ 4 10.8	1.924	2.873	6.3	21.6
1 22	6 55.37	+ 4 52.5	1.944	2.870	8.1	21.7
2 1	6 47.70	+ 5 45.9	1.991	2.866	10.8	21.9
2 11	6 42.09	+ 6 46.5	2.062	2.862	13.6	22.0
427066	2014 UW_{14}		1	7.1	123.°57	0.°6/ 7.2 18
12 3	7 37.96	+20 14.6	2.159	2.961	13.0	21.7
12 13	7 31.92	+20 17.7	2.089	2.975	9.8	21.5
12 23	7 23.74	+20 24.8	2.042	2.989	6.2	21.3
1 2	7 14.13	+20 34.1	2.024	3.003	2.2	21.1
1 12	7 4.11	+20 43.6	2.036	3.016	2.0	21.1
1 22	6 54.69	+20 51.8	2.079	3.028	5.9	21.4
2 1	6 46.82	+20 58.1	2.150	3.040	9.4	21.6
2 11	6 41.17	+21 2.5	2.245	3.052	12.5	21.8
289712	2005 HP_{10}		1	7.1	290.°23	7.°7/ 9.1 18
12 3	7 31.57	+ 0 10.0	2.284	3.031	14.1	20.1
12 13	7 27.16	− 0 40.0	2.193	3.019	11.9	19.9
12 23	7 20.86	− 1 14.8	2.123	3.008	9.8	19.8
1 2	7 13.19	− 1 31.1	2.078	2.996	8.1	19.6
1 12	7 4.96	− 1 27.4	2.060	2.985	7.7	19.6
1 22	6 57.03	− 1 4.3	2.069	2.974	9.0	19.7
2 1	6 50.25	− 0 24.5	2.104	2.962	11.1	19.8
2 11	6 45.30	+ 0 27.8	2.163	2.951	13.5	19.9
233012	2005 EG_{214}		1	7.1	13.°19	3.°5/ 6.2 18
12 3	7 37.44	+32 12.3	2.103	2.914	13.0	20.0
12 13	7 31.91	+32 34.4	2.026	2.915	10.0	19.8
12 23	7 23.92	+32 52.4	1.973	2.916	6.7	19.6
1 2	7 14.24	+33 1.9	1.947	2.917	3.9	19.4
1 12	7 3.99	+32 59.6	1.950	2.918	4.2	19.5
1 22	6 54.38	+32 44.8	1.982	2.919	7.2	19.6
2 1	6 46.51	+32 18.8	2.041	2.920	10.5	19.8
2 11	6 41.14	+31 44.9	2.124	2.922	13.4	20.0
360461	2002 RL		1	7.1	152.°60	1.°2/ 7.4 18
12 3	7 38.87	+18 51.6	2.226	3.022	12.9	21.5
12 13	7 32.56	+18 42.8	2.148	3.031	9.8	21.3
12 23	7 24.13	+18 38.4	2.095	3.039	6.2	21.1
1 2	7 14.28	+18 37.2	2.070	3.047	2.5	20.9
1 12	7 3.97	+18 37.8	2.076	3.055	2.2	20.9
1 22	6 54.23	+18 39.1	2.113	3.061	5.9	21.1
2 1	6 45.98	+18 40.7	2.178	3.067	9.4	21.3
2 11	6 39.91	+18 42.3	2.269	3.072	12.4	21.6
349996	2010 FU_{92}		1	7.1	236.°20	1.°7/ 6.3 17
12 3	7 34.39	+26 3.6	2.792	3.594	10.4	21.2
12 13	7 29.16	+26 46.0	2.695	3.582	7.9	21.0
12 23	7 22.07	+27 30.1	2.624	3.571	5.0	20.8
1 2	7 13.62	+28 12.6	2.582	3.559	2.2	20.6
1 12	7 4.57	+28 50.4	2.572	3.546	2.5	20.6
1 22	6 55.78	+29 21.1	2.592	3.533	5.5	20.8
2 1	6 48.07	+29 43.8	2.642	3.520	8.4	20.9
2 11	6 42.14	+29 58.7	2.717	3.507	11.0	21.1
256094	2006 UF_{229}		1	7.1	74.°09	2.°6/ 6.3 18
12 3	7 43.31	+27 6.3	1.757	2.567	15.2	20.7
12 13	7 36.25	+27 55.2	1.713	2.604	11.4	20.5
12 23	7 26.51	+28 43.5	1.693	2.641	7.2	20.4
1 2	7 15.08	+29 25.3	1.701	2.677	3.3	20.2
1 12	7 3.32	+29 56.1	1.739	2.713	3.7	20.3
1 22	6 52.62	+30 14.0	1.806	2.748	7.4	20.6
2 1	6 44.11	+30 20.0	1.900	2.782	11.0	20.9
2 11	6 38.46	+30 16.6	2.017	2.815	14.0	21.2
415878	2001 SR_{323}		1	7.1	157.°12	4.°3/ 8.2 18
12 3	7 36.55	+ 9 43.3	2.314	3.088	13.1	21.5
12 13	7 30.71	+ 9 11.3	2.234	3.095	10.4	21.4
12 23	7 22.96	+ 8 49.1	2.178	3.102	7.5	21.2
1 2	7 13.89	+ 8 37.7	2.150	3.108	4.9	21.0
1 12	7 4.39	+ 8 37.0	2.152	3.113	4.6	21.0
1 22	6 55.36	+ 8 46.2	2.183	3.118	6.8	21.2
2 1	6 47.64	+ 9 3.4	2.243	3.122	9.6	21.4
2 11	6 41.88	+ 9 26.4	2.328	3.126	12.3	21.5
313853	2004 EV_{62}		1	7.1	229.°72	5.°1/ 5.9 18
12 3	7 42.67	+36 12.1	2.036	2.838	13.7	21.3
12 13	7 36.17	+36 43.8	1.951	2.830	10.8	21.1
12 23	7 26.77	+37 8.5	1.889	2.822	7.7	20.9
1 2	7 15.28	+37 20.1	1.854	2.813	5.4	20.7
1 12	7 3.02	+37 14.2	1.848	2.805	5.7	20.7
1 22	6 51.44	+36 49.9	1.871	2.795	8.4	20.9
2 1	6 41.87	+36 9.7	1.920	2.786	11.7	21.1
2 11	6 35.22	+35 18.4	1.993	2.776	14.7	21.2

132363 2002 GL_{67} 1 7.1 118.°22 0.°9/ 7.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 35.59	+18 21.5	2.366	3.164	12.2	20.3
12 13	7 30.00	+18 34.2	2.294	3.178	9.2	20.1
12 23	7 22.51	+18 52.4	2.247	3.192	5.8	19.9
1 2	7 13.75	+19 14.2	2.229	3.206	2.2	19.7
1 12	7 4.58	+19 37.5	2.241	3.220	2.0	19.7
1 22	6 55.92	+20 0.5	2.283	3.233	5.5	20.0
2 1	6 48.59	+20 21.7	2.355	3.245	8.7	20.2
2 11	6 43.23	+20 40.5	2.451	3.258	11.6	20.4

188527 2004 RG_{124} 1 7.1 126.°84 0.°4/ 7.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.30	+18 20.4	2.253	3.052	12.7	20.4
12 13	7 30.72	+19 3.0	2.178	3.063	9.6	20.3
12 23	7 23.07	+19 52.9	2.128	3.075	6.0	20.0
1 2	7 13.97	+20 46.8	2.107	3.085	2.1	19.8
1 12	7 4.35	+21 41.1	2.116	3.096	1.9	19.8
1 22	6 55.20	+22 32.4	2.157	3.106	5.7	20.1
2 1	6 47.42	+23 18.4	2.226	3.116	9.2	20.3
2 11	6 41.74	+23 58.1	2.320	3.125	12.2	20.5

223763 2004 RW_{245} 1 7.1 51.°81 3.°3/ 6.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.87	+29 57.1	1.853	2.671	14.2	20.6
12 13	7 32.50	+30 32.1	1.782	2.676	10.8	20.4
12 23	7 24.43	+31 5.2	1.735	2.682	7.1	20.2
1 2	7 14.48	+31 31.1	1.715	2.688	3.8	20.0
1 12	7 3.89	+31 45.8	1.723	2.694	4.2	20.0
1 22	6 54.02	+31 47.4	1.759	2.700	7.6	20.2
2 1	6 46.06	+31 37.0	1.822	2.706	11.3	20.5
2 11	6 40.85	+31 17.4	1.908	2.712	14.4	20.7

289517 2005 ES_{175} 1 7.1 58.°66 3.°9/ 6.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.87	+33 22.3	2.155	2.964	12.8	20.6
12 13	7 32.20	+33 50.5	2.082	2.968	9.9	20.4
12 23	7 24.11	+34 13.9	2.032	2.972	6.8	20.2
1 2	7 14.34	+34 27.8	2.010	2.976	4.2	20.1
1 12	7 4.04	+34 29.0	2.017	2.981	4.6	20.1
1 22	6 54.40	+34 16.5	2.053	2.985	7.3	20.3
2 1	6 46.49	+33 51.9	2.116	2.990	10.4	20.5
2 11	6 41.07	+33 18.5	2.202	2.994	13.2	20.7

419217 2009 UQ_{137} 1 7.1 77.°00 0.°7/ 6.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.57	+24 26.1	1.908	2.722	14.0	20.8
12 13	7 32.01	+24 28.6	1.835	2.729	10.6	20.6
12 23	7 24.00	+24 32.2	1.785	2.735	6.6	20.3
1 2	7 14.31	+24 34.3	1.763	2.742	2.3	20.1
1 12	7 4.09	+24 32.5	1.770	2.749	2.4	20.1
1 22	6 54.56	+24 25.9	1.806	2.756	6.6	20.4
2 1	6 46.80	+24 14.8	1.870	2.763	10.5	20.6
2 11	6 41.55	+24 0.5	1.957	2.770	13.8	20.9

460195 2014 QH_{137} 1 7.1 358.°51 5.°6/ 6.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 34.64	+32 40.2	1.196	2.045	18.5	20.3
12 13	7 31.44	+33 15.9	1.131	2.040	14.4	20.0
12 23	7 24.42	+33 46.4	1.086	2.036	9.8	19.8
1 2	7 14.60	+34 3.7	1.064	2.034	6.1	19.6
1 12	7 3.79	+34 1.7	1.065	2.034	6.5	19.6
1 22	6 54.03	+33 38.8	1.091	2.036	10.6	19.8
2 1	6 47.08	+32 58.4	1.139	2.039	15.1	20.1
2 11	6 43.98	+32 6.4	1.206	2.043	19.2	20.3

465165 2007 DV_{115} 1 7.1 2.°60 1.°8/ 6.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.09	+26 24.6	1.682	2.506	15.2	21.7
12 13	7 32.10	+26 37.1	1.607	2.505	11.5	21.4
12 23	7 24.28	+26 50.0	1.554	2.505	7.3	21.2
1 2	7 14.46	+26 59.3	1.527	2.505	2.9	20.9
1 12	7 3.94	+27 1.6	1.528	2.506	3.1	20.9
1 22	6 54.14	+26 55.7	1.558	2.507	7.5	21.2
2 1	6 46.32	+26 42.1	1.613	2.508	11.7	21.4
2 11	6 41.36	+26 22.9	1.690	2.510	15.3	21.7

152326 2005 UJ_{18} 1 7.1 282.°98 4.°2/ 6.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.90	+29 58.6	1.426	2.255	17.1	20.0
12 13	7 35.90	+30 37.7	1.341	2.240	13.3	19.8
12 23	7 27.19	+31 16.2	1.277	2.225	8.8	19.5
1 2	7 15.61	+31 46.7	1.237	2.211	4.8	19.2
1 12	7 2.74	+32 2.5	1.224	2.196	5.3	19.2
1 22	6 50.52	+32 0.1	1.238	2.181	9.8	19.4
2 1	6 40.77	+31 41.2	1.276	2.166	14.5	19.6
2 11	6 34.74	+31 10.1	1.334	2.152	18.8	19.8

135235 2001 RU_{150} 1 7.1 185.°43 0.°1/ 7.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 33.70	+21 18.4	2.618	3.420	11.0	20.3
12 13	7 28.60	+21 41.6	2.532	3.420	8.3	20.2
12 23	7 21.69	+22 8.6	2.471	3.419	5.2	20.0
1 2	7 13.52	+22 37.0	2.439	3.419	1.8	19.7
1 12	7 4.86	+23 4.6	2.438	3.418	1.7	19.7
1 22	6 56.56	+23 29.3	2.468	3.417	5.2	20.0
2 1	6 49.41	+23 50.1	2.527	3.415	8.3	20.2
2 11	6 44.05	+24 6.7	2.611	3.414	11.0	20.3

237906 2002 PL_{43} 1 7.1 215.°76 2.°3/ 6.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.70	+24 9.2	1.184	2.005	20.4	19.7
12 13	7 43.97	+22 30.6	1.107	2.003	15.7	19.4
12 23	7 32.05	+20 44.0	1.051	2.001	10.1	19.1
1 2	7 17.17	+18 50.7	1.021	1.999	4.0	18.7
1 12	7 1.41	+16 55.9	1.018	1.996	4.1	18.7
1 22	6 47.01	+15 7.1	1.044	1.993	10.3	19.0
2 1	6 35.82	+13 31.9	1.094	1.990	15.9	19.4
2 11	6 28.86	+12 13.8	1.165	1.987	20.7	19.6

373917 2003 UN_{158} 1 7.1 16.°87 3.°9/ 7.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 33.79	+12 18.3	2.047	2.842	13.9	21.1
12 13	7 28.96	+11 46.8	1.967	2.843	10.9	20.9
12 23	7 22.03	+11 24.4	1.910	2.844	7.6	20.7
1 2	7 13.65	+11 12.0	1.880	2.846	4.6	20.5
1 12	7 4.75	+11 9.4	1.879	2.847	4.2	20.5
1 22	6 56.35	+11 15.7	1.906	2.849	6.9	20.7
2 1	6 49.36	+11 29.3	1.960	2.851	10.2	20.9
2 11	6 44.49	+11 48.0	2.039	2.853	13.3	21.1

374194 2005 CZ_{54} 1 7.1 355.°11 3.°8/ 6.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.26	+31 19.7	1.707	2.532	14.9	20.7
12 13	7 31.58	+31 44.0	1.632	2.529	11.5	20.5
12 23	7 24.01	+32 4.6	1.579	2.526	7.6	20.3
1 2	7 14.39	+32 16.5	1.552	2.524	4.3	20.0
1 12	7 4.04	+32 15.5	1.552	2.522	4.6	20.1
1 22	6 54.42	+32 0.6	1.580	2.522	8.2	20.3
2 1	6 46.84	+31 33.3	1.633	2.522	12.0	20.5
2 11	6 42.19	+30 57.3	1.708	2.522	15.4	20.7

235421 2003 YW_{37} 1 7.1 5.°35 2.°8/ 6.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.06	+30 23.7	1.993	2.808	13.5	19.6
12 13	7 31.70	+30 32.7	1.915	2.808	10.3	19.4
12 23	7 23.85	+30 38.2	1.862	2.808	6.7	19.2
1 2	7 14.28	+30 36.4	1.835	2.809	3.4	19.0
1 12	7 4.16	+30 24.7	1.838	2.810	3.6	19.0
1 22	6 54.72	+30 2.6	1.869	2.812	7.0	19.2
2 1	6 47.04	+29 31.8	1.927	2.814	10.6	19.4
2 11	6 41.92	+28 55.1	2.008	2.816	13.7	19.7

67113 2000 AC_{114} 1 7.1 29.°04 3.°7/ 8.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 33.17	+12 55.7	1.534	2.350	16.8	17.7
12 13	7 28.98	+12 46.4	1.475	2.364	13.0	17.5
12 23	7 22.22	+12 50.3	1.437	2.379	8.8	17.3
1 2	7 13.73	+13 6.9	1.425	2.396	4.8	17.1
1 12	7 4.73	+13 34.1	1.439	2.413	4.2	17.1
1 22	6 56.50	+14 8.7	1.480	2.430	7.7	17.3
2 1	6 50.14	+14 47.4	1.546	2.449	11.6	17.6
2 11	6 46.42	+15 26.7	1.635	2.468	15.1	17.9

21313 Xiuyanyu 1 7.1 199.°94 0.°0/ 6.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.24	+22 26.7	1.758	2.567	15.3	18.4
12 13	7 35.87	+22 25.0	1.673	2.564	11.6	18.2
12 23	7 26.62	+22 26.2	1.611	2.560	7.3	17.9
1 2	7 15.30	+22 27.5	1.576	2.555	2.5	17.6
1 12	7 3.17	+22 26.4	1.571	2.550	2.5	17.6
1 22	6 51.68	+22 21.6	1.594	2.544	7.3	17.9
2 1	6 42.14	+22 13.2	1.645	2.538	11.7	18.1
2 11	6 35.49	+22 2.6	1.719	2.530	15.5	18.3

291030 2005 YR_{32} 1 7.1 277.°54 1.°3/ 7.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.02	+17 19.0	1.523	2.342	16.7	21.3
12 13	7 32.41	+17 41.1	1.436	2.331	12.9	21.0
12 23	7 24.74	+18 14.8	1.371	2.320	8.3	20.7
1 2	7 14.74	+18 57.5	1.331	2.309	3.3	20.4
1 12	7 3.67	+19 45.0	1.318	2.298	2.8	20.3
1 22	6 53.07	+20 32.7	1.333	2.287	8.0	20.6
2 1	6 44.41	+21 17.2	1.374	2.276	12.9	20.8
2 11	6 38.79	+21 56.4	1.437	2.265	17.1	21.1

203835 2002 VL_{32} 1 7.1 114.°64 6.°5/ 3.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.28	+40 22.6	2.467	3.256	12.0	20.1
12 13	7 34.18	+41 53.0	2.402	3.265	9.7	20.0
12 23	7 25.49	+43 16.1	2.362	3.274	7.6	19.9
1 2	7 14.91	+44 25.0	2.351	3.283	6.5	19.8
1 12	7 3.55	+45 14.2	2.369	3.291	7.0	19.9
1 22	6 52.68	+45 41.5	2.415	3.300	8.8	20.0
2 1	6 43.48	+45 48.1	2.487	3.308	10.9	20.2
2 11	6 36.85	+45 37.9	2.581	3.316	12.9	20.3

502380 2015 BN_{243} 1 7.1 200.°41 2.°7/ 8.2 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 32.61	+11 56.7	2.625	3.408	11.5	22.1
12 13	7 27.72	+12 3.2	2.535	3.405	9.0	21.9
12 23	7 21.13	+12 18.8	2.469	3.403	6.1	21.7
1 2	7 13.35	+12 42.9	2.432	3.400	3.5	21.5
1 12	7 5.09	+13 14.2	2.425	3.396	3.0	21.5
1 22	6 57.14	+13 50.5	2.448	3.393	5.5	21.6
2 1	6 50.26	+14 29.8	2.500	3.389	8.4	21.8
2 11	6 45.04	+15 9.9	2.579	3.385	11.0	22.0

201753 2003 UM_{340} 1 7.1 258.°78 1.°0/ 6.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 35.47	+24 19.7	2.160	2.971	12.7	20.7
12 13	7 30.35	+24 38.6	2.075	2.967	9.6	20.5
12 23	7 22.99	+24 59.7	2.013	2.963	6.0	20.2
1 2	7 14.02	+25 20.0	1.980	2.959	2.2	20.0
1 12	7 4.44	+25 36.4	1.976	2.954	2.4	20.0
1 22	6 55.32	+25 47.2	2.001	2.950	6.2	20.2
2 1	6 47.67	+25 52.0	2.055	2.945	9.8	20.4
2 11	6 42.26	+25 51.4	2.132	2.941	13.0	20.6

216974 2000 KW_{58} 1 7.1 137.°61 0.°8/ 6.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.28	+23 3.9	2.540	3.336	11.5	21.2
12 13	7 31.98	+23 37.9	2.468	3.352	8.6	21.1
12 23	7 23.76	+24 14.5	2.421	3.368	5.3	20.9
1 2	7 14.24	+24 50.5	2.404	3.382	1.9	20.7
1 12	7 4.28	+25 22.9	2.418	3.396	2.0	20.7
1 22	6 54.80	+25 49.7	2.464	3.409	5.4	21.0
2 1	6 46.66	+26 10.1	2.539	3.422	8.5	21.2
2 11	6 40.50	+26 24.4	2.640	3.433	11.2	21.4

421060 2013 QD_{10} 1 7.1 283.°13 5.°9/ 5.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.56	+37 54.8	1.962	2.766	14.1	21.0
12 13	7 35.59	+38 29.2	1.873	2.752	11.2	20.8
12 23	7 26.57	+38 55.5	1.808	2.737	8.3	20.5
1 2	7 15.32	+39 7.0	1.768	2.723	6.1	20.4
1 12	7 3.19	+38 58.8	1.757	2.709	6.5	20.4
1 22	6 51.72	+38 29.8	1.774	2.695	9.1	20.5
2 1	6 42.33	+37 42.8	1.816	2.680	12.3	20.7
2 11	6 36.00	+36 43.3	1.881	2.666	15.3	20.8

219393 2000 SZ_{155} 1 7.1 42.°67 5.°7/ 5.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.30	+35 17.4	1.610	2.430	15.9	19.2
12 13	7 34.73	+36 3.0	1.554	2.444	12.4	19.0
12 23	7 25.98	+36 41.2	1.520	2.458	8.7	18.9
1 2	7 15.05	+37 4.8	1.511	2.473	6.0	18.7
1 12	7 3.54	+37 9.0	1.529	2.488	6.4	18.8
1 22	6 53.08	+36 52.9	1.574	2.504	9.3	19.0
2 1	6 45.05	+36 19.9	1.644	2.519	12.8	19.2
2 11	6 40.28	+35 35.4	1.736	2.536	15.8	19.5

148654 2001 SK_{119} 1 7.1 356.°51 9.°4/ 9.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 31.76	+ 2 39.2	1.449	2.239	18.8	19.2
12 13	7 28.20	+ 1 36.4	1.377	2.236	15.8	19.0
12 23	7 21.94	+ 0 54.3	1.324	2.233	12.6	18.8
1 2	7 13.72	+ 0 38.0	1.294	2.231	10.0	18.7
1 12	7 4.75	+ 0 49.5	1.287	2.230	9.5	18.6
1 22	6 56.35	+ 1 27.1	1.305	2.230	11.3	18.7
2 1	6 49.78	+ 2 25.6	1.346	2.231	14.4	18.9
2 11	6 45.95	+ 3 37.7	1.408	2.233	17.6	19.1

132975 2002 TT_{172} 1 7.1 62.°53 2.°8/ 7.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.51	+16 12.3	2.055	2.854	13.7	18.8
12 13	7 30.86	+15 29.4	1.985	2.867	10.5	18.6
12 23	7 23.12	+14 52.1	1.940	2.881	7.0	18.5
1 2	7 14.01	+14 20.9	1.923	2.895	3.6	18.3
1 12	7 4.55	+13 56.2	1.935	2.909	3.4	18.3
1 22	6 55.73	+13 38.0	1.977	2.923	6.5	18.5
2 1	6 48.46	+13 25.9	2.047	2.937	9.9	18.7
2 11	6 43.38	+13 18.9	2.140	2.951	12.8	19.0

36978 2000 SL_{323} 1 7.1 302.°07 1.°4/ 7.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 35.92	+18 15.6	1.463	2.288	17.0	18.4
12 13	7 31.74	+18 22.0	1.373	2.271	13.1	18.1
12 23	7 24.42	+18 38.0	1.304	2.255	8.5	17.8
1 2	7 14.66	+19 1.7	1.260	2.238	3.3	17.5
1 12	7 3.78	+19 30.0	1.243	2.223	2.9	17.4
1 22	6 53.35	+19 59.3	1.252	2.207	8.3	17.7
2 1	6 44.90	+20 27.0	1.287	2.192	13.3	17.9
2 11	6 39.59	+20 51.8	1.342	2.177	17.7	18.2

420607 2012 HL_{53} 1 7.1 223.°00 1.°0/ 7.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 35.21	+17 40.5	1.979	2.786	13.9	21.0
12 13	7 30.27	+18 3.4	1.896	2.785	10.6	20.8
12 23	7 23.00	+18 34.5	1.836	2.783	6.7	20.5
1 2	7 14.05	+19 11.7	1.804	2.782	2.6	20.3
1 12	7 4.44	+19 51.6	1.801	2.780	2.3	20.3
1 22	6 55.28	+20 31.2	1.827	2.778	6.4	20.5
2 1	6 47.63	+21 8.0	1.881	2.776	10.3	20.7
2 11	6 42.28	+21 40.7	1.958	2.774	13.7	21.0

169698 2002 LR_{17} 1 7.1 244.°47 1.°4/ 7.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.98	+18 8.1	1.897	2.702	14.4	21.1
12 13	7 32.57	+18 10.0	1.801	2.689	11.1	20.8
12 23	7 24.57	+18 18.8	1.729	2.675	7.2	20.6
1 2	7 14.64	+18 33.0	1.683	2.661	2.9	20.3
1 12	7 3.85	+18 50.3	1.667	2.646	2.6	20.2
1 22	6 53.45	+19 8.5	1.680	2.631	6.9	20.4
2 1	6 44.64	+19 26.2	1.720	2.615	11.2	20.7
2 11	6 38.35	+19 42.5	1.784	2.599	14.9	20.9

109612 2001 QF_{289} 1 7.1 105.°42 1.°7/ 7.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 29.52	+13 54.8	3.500	4.281	8.9	20.7
12 13	7 24.95	+14 2.3	3.425	4.297	6.8	20.5
12 23	7 19.19	+14 15.5	3.376	4.312	4.5	20.4
1 2	7 12.64	+14 33.6	3.357	4.327	2.4	20.3
1 12	7 5.85	+14 55.7	3.369	4.342	2.0	20.3
1 22	6 59.35	+15 20.4	3.412	4.357	4.0	20.4
2 1	6 53.66	+15 46.4	3.485	4.372	6.3	20.6
2 11	6 49.18	+16 12.5	3.584	4.386	8.3	20.8

337544 2001 SD_{239} 1 7.1 112.°57 2.°9/ 8.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 33.09	+11 40.6	2.654	3.434	11.5	22.1
12 13	7 27.93	+11 36.9	2.580	3.449	8.9	21.9
12 23	7 21.17	+11 41.8	2.532	3.463	6.1	21.8
1 2	7 13.35	+11 54.8	2.512	3.478	3.6	21.6
1 12	7 5.19	+12 14.9	2.522	3.492	3.2	21.6
1 22	6 57.45	+12 40.5	2.563	3.506	5.4	21.8
2 1	6 50.82	+13 9.6	2.633	3.519	8.1	22.0
2 11	6 45.84	+13 40.4	2.728	3.533	10.6	22.2

266703 2009 QG_{19} 1 7.1 11.°56 0.°8/ 6.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.09	+24 17.1	1.572	2.400	15.8	20.5
12 13	7 31.43	+24 18.2	1.501	2.402	12.0	20.3
12 23	7 23.91	+24 21.1	1.452	2.405	7.5	20.1
1 2	7 14.38	+24 22.8	1.428	2.408	2.6	19.8
1 12	7 4.19	+24 20.7	1.432	2.412	2.7	19.8
1 22	6 54.76	+24 13.5	1.463	2.416	7.5	20.1
2 1	6 47.39	+24 1.6	1.520	2.421	11.9	20.4
2 11	6 42.91	+23 46.4	1.599	2.427	15.7	20.6

243492 2009 UB_{26} 1 7.1 128.°42 2.°2/ 6.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.03	+26 52.2	2.030	2.843	13.3	20.6
12 13	7 31.69	+27 31.3	1.953	2.846	10.1	20.4
12 23	7 23.89	+28 11.5	1.900	2.849	6.4	20.2
1 2	7 14.36	+28 48.3	1.875	2.851	2.9	19.9
1 12	7 4.18	+29 17.6	1.879	2.854	3.3	20.0
1 22	6 54.55	+29 36.8	1.913	2.856	6.9	20.2
2 1	6 46.58	+29 45.8	1.974	2.859	10.5	20.4
2 11	6 41.06	+29 46.0	2.058	2.861	13.6	20.6

296082 2009 BR_{13} 1 7.1 218.°24 3.°4/ 6.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.10	+33 1.9	2.501	3.304	11.4	20.4
12 13	7 31.38	+33 24.1	2.418	3.301	8.8	20.2
12 23	7 23.53	+33 42.1	2.359	3.299	6.0	20.0
1 2	7 14.20	+33 52.1	2.329	3.296	3.7	19.9
1 12	7 4.36	+33 51.2	2.328	3.293	4.0	19.9
1 22	6 55.03	+33 38.8	2.358	3.290	6.5	20.0
2 1	6 47.15	+33 15.8	2.415	3.287	9.3	20.2
2 11	6 41.43	+32 44.8	2.497	3.284	11.9	20.4

58786 1998 FD_{78} 1 7.1 183.°22 3.°9/ 8.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.67	+10 52.7	1.888	2.673	15.3	20.7
12 13	7 33.64	+10 51.1	1.804	2.674	12.0	20.4
12 23	7 25.12	+11 2.5	1.742	2.674	8.4	20.2
1 2	7 14.80	+11 26.5	1.707	2.674	4.9	20.0
1 12	7 3.76	+12 1.5	1.702	2.672	4.3	20.0
1 22	6 53.21	+12 44.4	1.726	2.670	7.4	20.2
2 1	6 44.29	+13 31.9	1.778	2.667	11.2	20.4
2 11	6 37.83	+14 20.7	1.854	2.663	14.6	20.6

412258 2013 HC_{103} 1 7.1 133.°48 1.°8/ 7.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.95	+16 44.1	2.197	2.990	13.1	22.4
12 13	7 31.90	+16 41.5	2.124	3.004	10.0	22.2
12 23	7 23.78	+16 45.4	2.075	3.018	6.5	22.0
1 2	7 14.27	+16 54.6	2.055	3.030	2.9	21.8
1 12	7 4.33	+17 7.3	2.065	3.043	2.5	21.8
1 22	6 54.96	+17 22.1	2.106	3.054	5.9	22.0
2 1	6 47.06	+17 37.6	2.175	3.065	9.4	22.2
2 11	6 41.29	+17 52.9	2.269	3.075	12.4	22.5

286650 2002 EY_{68} 1 7.1 319.°68 0.°0/ 6.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 35.83	+22 24.8	1.314	2.151	17.8	20.2
12 13	7 32.04	+22 25.2	1.228	2.134	13.7	19.9
12 23	7 24.79	+22 30.5	1.162	2.116	8.7	19.5
1 2	7 14.85	+22 37.8	1.120	2.100	3.0	19.2
1 12	7 3.69	+22 43.6	1.103	2.084	3.0	19.1
1 22	6 53.10	+22 45.5	1.113	2.068	8.9	19.4
2 1	6 44.79	+22 43.0	1.146	2.054	14.3	19.7
2 11	6 39.99	+22 37.0	1.199	2.040	19.0	19.9

344855 2004 HS_{6} 1 7.1 281.°55 11.°7/10.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 31.33	−15 8.0	2.531	3.176	15.1	21.0
12 13	7 26.95	−16 24.6	2.445	3.163	13.9	20.8
12 23	7 20.77	−17 20.4	2.377	3.150	12.8	20.7
1 2	7 13.29	−17 50.0	2.331	3.137	11.9	20.6
1 12	7 5.24	−17 50.7	2.307	3.124	11.7	20.6
1 22	6 57.45	−17 22.2	2.307	3.111	12.1	20.6
2 1	6 50.70	−16 27.2	2.328	3.098	13.1	20.7
2 11	6 45.66	−15 10.9	2.370	3.085	14.5	20.7

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
144946	2005 EJ_{31}		1	7.1	184.°90	2.°6/ 6.4 18
	h m	° ′			°	m
12 3	7 39.83	+27 52.1	1.826	2.641	14.5	20.4
12 13	7 34.08	+28 23.4	1.748	2.641	11.1	20.2
12 23	7 25.53	+28 54.6	1.693	2.641	7.1	20.0
1 2	7 14.97	+29 20.9	1.665	2.641	3.3	19.7
1 12	7 3.66	+29 37.7	1.666	2.640	3.7	19.8
1 22	6 52.99	+29 43.2	1.696	2.639	7.6	20.0
2 1	6 44.25	+29 37.6	1.752	2.638	11.5	20.2
2 11	6 38.33	+29 23.6	1.831	2.637	14.9	20.4
490083	2008 TV_{163}		1	7.1	85.°55	1.°8/ 6.7 15
12 3	7 42.32	+25 17.1	1.474	2.296	17.0	22.2
12 13	7 36.16	+25 43.9	1.417	2.314	12.8	22.0
12 23	7 26.83	+26 12.6	1.382	2.333	8.0	21.8
1 2	7 15.38	+26 37.9	1.373	2.351	3.1	21.6
1 12	7 3.35	+26 55.1	1.391	2.369	3.3	21.6
1 22	6 52.37	+27 2.4	1.438	2.387	8.1	21.9
2 1	6 43.82	+27 0.3	1.510	2.404	12.4	22.2
2 11	6 38.53	+26 51.3	1.604	2.422	16.1	22.5
327435	2005 WO_{89}		1	7.1	347.°18	4.°5/ 5.2 18
12 3	7 37.98	+29 52.9	1.857	2.674	14.2	20.1
12 13	7 32.92	+31 23.5	1.781	2.673	10.9	19.9
12 23	7 24.97	+32 56.0	1.728	2.672	7.4	19.7
1 2	7 14.84	+34 22.3	1.704	2.671	4.7	19.5
1 12	7 3.74	+35 34.8	1.709	2.671	5.5	19.5
1 22	6 53.10	+36 28.8	1.742	2.670	8.7	19.7
2 1	6 44.30	+37 3.2	1.801	2.670	12.2	19.9
2 11	6 38.35	+37 20.4	1.882	2.669	15.3	20.1
414474	2009 OJ_{11}		1	7.1	130.°72	3.°3/ 8.5 18
12 3	7 36.03	+10 12.5	2.342	3.118	12.9	21.9
12 13	7 30.35	+10 25.1	2.268	3.133	10.1	21.7
12 23	7 22.79	+10 49.2	2.218	3.147	7.0	21.5
1 2	7 13.95	+11 23.8	2.196	3.161	4.1	21.4
1 12	7 4.68	+12 7.0	2.204	3.174	3.5	21.4
1 22	6 55.88	+12 55.8	2.243	3.187	6.0	21.5
2 1	6 48.37	+13 47.3	2.311	3.199	9.0	21.8
2 11	6 42.78	+14 38.8	2.405	3.210	11.8	22.0
258423	2001 XG_{187}		1	7.1	35.°45	1.°0/ 7.3 18
12 3	7 36.22	+20 6.4	1.555	2.379	16.2	20.3
12 13	7 31.38	+19 58.4	1.492	2.390	12.3	20.1
12 23	7 23.79	+19 56.1	1.450	2.401	7.7	19.9
1 2	7 14.34	+19 57.6	1.433	2.412	2.9	19.6
1 12	7 4.33	+20 0.8	1.445	2.424	2.6	19.6
1 22	6 55.15	+20 4.3	1.483	2.437	7.3	19.9
2 1	6 47.98	+20 7.1	1.548	2.450	11.7	20.2
2 11	6 43.62	+20 9.1	1.634	2.464	15.3	20.5
31936	Bernardsmit		1	7.1	199.°89	0.°0/ 7.0 18
12 3	7 37.79	+21 43.2	2.235	3.037	12.6	19.9
12 13	7 31.99	+21 50.3	2.147	3.034	9.6	19.7
12 23	7 23.98	+22 0.6	2.082	3.030	6.0	19.5
1 2	7 14.41	+22 12.0	2.047	3.026	2.1	19.2
1 12	7 4.23	+22 22.1	2.042	3.021	2.0	19.2
1 22	6 54.51	+22 29.5	2.067	3.016	6.0	19.4
2 1	6 46.22	+22 33.6	2.120	3.010	9.6	19.7
2 11	6 40.12	+22 34.8	2.199	3.004	12.7	19.9
154358	2002 XM_{47}		1	7.1	53.°33	2.°6/ 6.5 17
12 3	7 40.23	+25 26.7	1.237	2.074	18.7	19.9
12 13	7 35.23	+26 13.5	1.181	2.086	14.2	19.7
12 23	7 26.59	+27 4.0	1.146	2.099	8.9	19.4
1 2	7 15.38	+27 50.9	1.135	2.113	3.7	19.1
1 12	7 3.37	+28 27.4	1.150	2.126	4.2	19.2
1 22	6 52.48	+28 49.7	1.191	2.140	9.2	19.5
2 1	6 44.32	+28 58.1	1.255	2.155	14.0	19.9
2 11	6 39.85	+28 55.5	1.340	2.169	18.1	20.2
494992	2010 EL_{77}		1	7.1	315.°52	1.°3/ 6.9 17
12 3	7 37.09	+24 38.5	1.258	2.098	18.3	21.7
12 13	7 33.23	+24 48.4	1.173	2.080	14.0	21.3
12 23	7 25.67	+25 1.7	1.108	2.063	8.9	21.0
1 2	7 15.20	+25 14.0	1.067	2.047	3.3	20.6
1 12	7 3.41	+25 20.5	1.051	2.030	3.5	20.6
1 22	6 52.24	+25 18.6	1.060	2.015	9.4	20.9
2 1	6 43.54	+25 8.4	1.093	2.000	14.9	21.1
2 11	6 38.60	+24 52.1	1.145	1.986	19.7	21.4
453036	2007 RN_{316}		1	7.1	155.°86	1.°2/ 6.8 18
12 3	7 40.83	+24 18.4	2.039	2.843	13.6	22.0
12 13	7 34.43	+24 46.7	1.963	2.852	10.3	21.8
12 23	7 25.56	+25 17.4	1.911	2.860	6.4	21.6
1 2	7 14.96	+25 46.4	1.888	2.867	2.4	21.3
1 12	7 3.76	+26 10.2	1.895	2.873	2.6	21.4
1 22	6 53.16	+26 26.7	1.932	2.879	6.6	21.6
2 1	6 44.28	+26 35.4	1.998	2.883	10.3	21.9
2 11	6 37.91	+26 37.5	2.087	2.888	13.5	22.1

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
407379	2010 RF_{165}		1	7.1	115.°85	7.°7/ 9.8 18
	h m	° ′			°	m
12 3	7 35.60	+ 0 40.1	1.978	2.729	15.8	21.2
12 13	7 30.30	+ 0 4.0	1.909	2.741	13.2	21.1
12 23	7 22.88	− 0 13.4	1.861	2.753	10.5	20.9
1 2	7 14.02	− 0 9.7	1.838	2.765	8.3	20.8
1 12	7 4.68	+ 0 15.6	1.842	2.776	7.8	20.8
1 22	6 55.88	+ 0 59.9	1.873	2.787	9.2	20.9
2 1	6 48.56	+ 1 59.0	1.931	2.798	11.6	21.1
2 11	6 43.41	+ 3 7.4	2.012	2.808	14.1	21.3
71598	2000 DG_{84}		1	7.1	63.°88	0.°6/ 6.9 18
12 3	7 34.94	+22 10.6	2.075	2.887	13.1	19.4
12 13	7 29.99	+22 43.9	1.999	2.892	9.9	19.2
12 23	7 22.79	+23 21.8	1.947	2.897	6.2	18.9
1 2	7 14.02	+24 0.8	1.923	2.902	2.1	18.7
1 12	7 4.67	+24 37.4	1.929	2.908	2.2	18.7
1 22	6 55.82	+25 8.8	1.963	2.913	6.2	19.0
2 1	6 48.47	+25 33.7	2.026	2.918	9.9	19.2
2 11	6 43.38	+25 52.0	2.113	2.924	13.0	19.4
262196	2006 SB_{166}		1	7.1	142.°17	8.°2/ 9.4 18
12 3	7 35.19	+ 1 25.1	1.855	2.615	16.4	21.4
12 13	7 30.22	+ 0 36.4	1.779	2.618	13.7	21.2
12 23	7 22.96	+ 0 6.0	1.725	2.620	11.0	21.1
1 2	7 14.09	− 0 2.6	1.694	2.623	8.8	20.9
1 12	7 4.62	+ 0 11.6	1.690	2.626	8.2	20.9
1 22	6 55.66	+ 0 46.9	1.713	2.628	9.8	21.0
2 1	6 48.22	+ 1 39.3	1.761	2.630	12.4	21.2
2 11	6 43.09	+ 2 43.1	1.832	2.633	15.1	21.4
146092	2000 KY_{39}		1	7.1	274.°85	2.°0/ 6.6 18
12 3	7 37.69	+26 2.9	1.820	2.638	14.4	20.8
12 13	7 32.63	+26 34.5	1.730	2.625	11.0	20.6
12 23	7 24.76	+27 8.4	1.663	2.613	7.0	20.3
1 2	7 14.79	+27 40.1	1.623	2.600	3.0	20.0
1 12	7 3.90	+28 5.0	1.611	2.587	3.3	20.0
1 22	6 53.47	+28 20.2	1.628	2.574	7.5	20.3
2 1	6 44.82	+28 25.3	1.671	2.562	11.7	20.5
2 11	6 38.94	+28 21.9	1.737	2.549	15.3	20.7
182301	2001 NN_{19}		1	7.1	49.°61	3.°7/ 6.8 17
12 3	7 44.90	+32 1.6	1.414	2.237	17.6	18.5
12 13	7 38.00	+32 1.7	1.370	2.265	13.4	18.3
12 23	7 27.82	+31 54.8	1.348	2.295	8.7	18.1
1 2	7 15.67	+31 35.9	1.351	2.324	4.5	18.0
1 12	7 3.30	+31 2.8	1.381	2.354	4.6	18.1
1 22	6 52.42	+30 17.5	1.439	2.384	8.5	18.4
2 1	6 44.30	+29 24.1	1.523	2.415	12.5	18.7
2 11	6 39.61	+28 27.9	1.629	2.445	16.0	19.0
223704	2004 RQ_{39}		1	7.1	130.°58	1.°4/ 7.6 18
12 3	7 35.71	+17 2.3	2.144	2.944	13.2	21.1
12 13	7 30.38	+17 13.6	2.067	2.952	10.0	20.9
12 23	7 22.95	+17 32.2	2.014	2.959	6.4	20.7
1 2	7 14.06	+17 56.3	1.989	2.966	2.7	20.4
1 12	7 4.66	+18 23.6	1.994	2.973	2.3	20.4
1 22	6 55.76	+18 51.7	2.029	2.979	6.0	20.7
2 1	6 48.29	+19 19.0	2.092	2.985	9.5	20.9
2 11	6 42.95	+19 44.2	2.179	2.991	12.6	21.1
410447	2008 CU_{71}		1	7.1	322.°52	1.°9/ 7.5 16
12 3	7 34.61	+18 23.2	1.448	2.276	16.9	20.7
12 13	7 30.73	+18 9.0	1.360	2.260	13.1	20.4
12 23	7 23.78	+18 2.2	1.293	2.244	8.5	20.1
1 2	7 14.50	+18 2.0	1.251	2.229	3.6	19.8
1 12	7 4.18	+18 6.9	1.235	2.214	3.2	19.7
1 22	6 54.38	+18 14.9	1.245	2.200	8.3	20.0
2 1	6 46.56	+18 24.6	1.280	2.187	13.2	20.2
2 11	6 41.81	+18 34.8	1.336	2.174	17.6	20.4
350632	2001 TU_4		1	7.1	76.°50	2.°8/ 6.6 17
12 3	7 42.46	+27 27.5	1.400	2.227	17.5	21.5
12 13	7 36.52	+27 59.0	1.343	2.243	13.3	21.3
12 23	7 27.20	+28 30.4	1.308	2.259	8.4	21.0
1 2	7 15.57	+28 55.4	1.298	2.275	3.8	20.8
1 12	7 3.31	+29 9.0	1.315	2.291	4.1	20.9
1 22	6 52.16	+29 9.5	1.359	2.307	8.6	21.2
2 1	6 43.60	+28 58.3	1.429	2.322	13.1	21.5
2 11	6 38.49	+28 39.0	1.519	2.338	16.8	21.7
91116	1998 HD_{75}		1	7.1	120.°32	0.°6/ 7.3 18
12 3	7 35.80	+19 36.4	2.022	2.830	13.6	20.4
12 13	7 30.64	+19 48.1	1.943	2.833	10.3	20.2
12 23	7 23.20	+20 5.5	1.889	2.837	6.5	19.9
1 2	7 14.17	+20 26.4	1.862	2.841	2.4	19.7
1 12	7 4.58	+20 48.2	1.864	2.844	2.1	19.7
1 22	6 55.50	+21 8.8	1.896	2.847	6.2	19.9
2 1	6 47.97	+21 26.8	1.956	2.851	10.0	20.2
2 11	6 42.71	+21 41.7	2.039	2.854	13.3	20.4

79965 1999 CD_{121} 1 7.1 34.°73 8.°2/ 4.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.80	+37 55.7	1.496	2.318	16.8	18.4
12 13	7 35.80	+39 33.5	1.441	2.327	13.5	18.2
12 23	7 27.08	+41 3.5	1.407	2.336	10.2	18.0
1 2	7 15.62	+42 14.7	1.398	2.346	8.3	18.0
1 12	7 3.19	+42 58.4	1.415	2.356	9.0	18.0
1 22	6 51.74	+43 12.1	1.458	2.367	11.6	18.2
2 1	6 43.00	+42 58.8	1.523	2.379	14.7	18.4
2 11	6 38.03	+42 25.5	1.608	2.390	17.6	18.6

94120 2000 YF_{106} 1 7.1 288.°10 5.°1/ 5.1 18

12 3	7 38.29	+32 54.0	1.977	2.790	13.6	18.6
12 13	7 33.28	+34 5.1	1.880	2.768	10.7	18.4
12 23	7 25.32	+35 15.9	1.807	2.746	7.6	18.1
1 2	7 15.05	+36 19.1	1.761	2.723	5.2	17.9
1 12	7 3.62	+37 7.8	1.743	2.701	5.9	17.9
1 22	6 52.47	+37 37.9	1.754	2.679	8.9	18.1
2 1	6 43.03	+37 48.8	1.791	2.656	12.4	18.2
2 11	6 36.44	+37 43.5	1.850	2.634	15.6	18.4

306031 2010 ET_{122} 1 7.1 256.°64 5.°3/ 5.8 18

12 3	7 43.68	+34 4.2	1.748	2.558	15.3	21.2
12 13	7 37.63	+34 49.8	1.654	2.540	12.0	20.9
12 23	7 28.16	+35 31.4	1.584	2.522	8.5	20.7
1 2	7 16.04	+36 1.3	1.539	2.503	5.6	20.5
1 12	7 2.72	+36 13.0	1.523	2.484	6.1	20.5
1 22	6 49.94	+36 3.6	1.534	2.464	9.5	20.6
2 1	6 39.36	+35 35.2	1.572	2.444	13.4	20.8
2 11	6 32.16	+34 53.1	1.631	2.424	17.0	21.0

427104 2014 UO_{67} 1 7.1 58.°04 0.°3/ 7.0 18

12 3	7 36.67	+21 11.9	1.696	2.515	15.3	20.7
12 13	7 31.65	+21 43.1	1.630	2.526	11.5	20.5
12 23	7 23.97	+22 20.5	1.587	2.538	7.2	20.3
1 2	7 14.47	+23 0.1	1.570	2.550	2.5	20.0
1 12	7 4.35	+23 37.7	1.582	2.562	2.4	20.0
1 22	6 54.93	+24 10.1	1.622	2.574	7.0	20.3
2 1	6 47.39	+24 35.7	1.688	2.586	11.2	20.6
2 11	6 42.54	+24 54.5	1.778	2.598	14.7	20.8

126513 2002 CY_{71} 1 7.1 238.°58 1.°3/ 6.8 18

12 3	7 36.75	+24 47.3	1.980	2.794	13.6	20.2
12 13	7 31.54	+25 10.4	1.898	2.792	10.3	20.0
12 23	7 23.87	+25 35.6	1.841	2.791	6.5	19.7
1 2	7 14.44	+25 59.4	1.810	2.789	2.4	19.5
1 12	7 4.35	+26 18.4	1.809	2.787	2.6	19.5
1 22	6 54.79	+26 30.5	1.837	2.785	6.7	19.7
2 1	6 46.87	+26 35.3	1.892	2.783	10.5	20.0
2 11	6 41.41	+26 33.8	1.971	2.781	13.8	20.2

73584 3228 $T\text{-}_1$ 1 7.1 281.°01 0.°5/ 6.9 18

12 3	7 38.11	+22 58.7	1.654	2.474	15.5	19.7
12 13	7 33.17	+23 10.1	1.561	2.458	11.9	19.4
12 23	7 25.24	+23 25.7	1.490	2.441	7.5	19.1
1 2	7 15.01	+23 42.1	1.445	2.424	2.6	18.8
1 12	7 3.75	+23 55.7	1.428	2.408	2.7	18.8
1 22	6 52.95	+24 4.0	1.439	2.391	7.7	19.0
2 1	6 44.03	+24 6.5	1.476	2.374	12.4	19.3
2 11	6 38.07	+24 4.0	1.535	2.357	16.5	19.5

98705 2000 XT_{35} 1 7.1 109.°76 4.°1/ 6.3 18

12 3	7 43.37	+31 36.0	1.704	2.517	15.5	19.5
12 13	7 36.85	+32 11.3	1.641	2.531	11.9	19.3
12 23	7 27.27	+32 42.6	1.600	2.543	7.9	19.1
1 2	7 15.60	+33 3.5	1.586	2.556	4.5	18.9
1 12	7 3.32	+33 9.6	1.600	2.568	4.9	19.0
1 22	6 52.00	+32 59.7	1.643	2.580	8.3	19.2
2 1	6 42.97	+32 36.2	1.712	2.592	12.1	19.5
2 11	6 37.09	+32 3.4	1.803	2.603	15.3	19.7

55016 2001 QE_{32} 1 7.1 273.°49 0.°0/ 6.9 18

12 3	7 38.32	+22 55.8	1.857	2.670	14.4	18.6
12 13	7 32.92	+22 45.6	1.763	2.656	11.0	18.3
12 23	7 24.85	+22 37.0	1.692	2.642	6.9	18.1
1 2	7 14.82	+22 28.1	1.648	2.627	2.4	17.8
1 12	7 3.98	+22 17.1	1.633	2.613	2.3	17.7
1 22	6 53.62	+22 3.1	1.647	2.599	7.0	18.0
2 1	6 44.99	+21 46.6	1.689	2.584	11.3	18.2
2 11	6 38.99	+21 28.7	1.753	2.570	15.0	18.4

420794 2013 GE_{132} 1 7.1 155.°98 1.°1/ 6.6 17

12 3	7 38.88	+23 7.6	2.754	3.544	10.8	22.4
12 13	7 32.45	+24 2.9	2.673	3.555	8.1	22.3
12 23	7 24.14	+25 1.5	2.619	3.565	5.1	22.1
1 2	7 14.49	+25 59.7	2.596	3.574	1.9	21.9
1 12	7 4.32	+26 53.6	2.606	3.582	2.1	21.9
1 22	6 54.51	+27 40.6	2.648	3.590	5.3	22.1
2 1	6 45.89	+28 19.2	2.720	3.596	8.2	22.3
2 11	6 39.12	+28 49.6	2.818	3.602	10.8	22.5

292711 2006 UD_{128} 1 7.1 160.°13 7.°0/ 8.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.58	+ 2 53.0	2.190	2.941	14.5	22.1
12 13	7 30.91	+ 2 0.3	2.111	2.947	12.0	21.9
12 23	7 23.24	+ 1 22.0	2.056	2.952	9.4	21.7
1 2	7 14.19	+ 1 0.7	2.026	2.957	7.5	21.6
1 12	7 4.64	+ 0 57.7	2.025	2.961	7.1	21.6
1 22	6 55.55	+ 1 12.2	2.052	2.965	8.6	21.7
2 1	6 47.81	+ 1 41.5	2.106	2.968	11.0	21.9
2 11	6 42.09	+ 2 21.5	2.184	2.970	13.4	22.0

97845 2000 PG_{28} 1 7.1 178.°77 3.°1/ 8.5 18

12 3	7 35.48	+10 11.8	2.391	3.167	12.7	19.4
12 13	7 30.06	+10 32.4	2.303	3.168	10.0	19.3
12 23	7 22.72	+11 4.9	2.239	3.169	6.9	19.1
1 2	7 14.02	+11 48.5	2.204	3.170	4.0	18.9
1 12	7 4.77	+12 40.9	2.199	3.170	3.4	18.8
1 22	6 55.87	+13 38.9	2.225	3.170	6.0	19.0
2 1	6 48.17	+14 39.3	2.280	3.169	9.1	19.2
2 11	6 42.34	+15 39.0	2.362	3.167	12.0	19.4

441650 2008 WC_{66} 1 7.1 85.°72 1.°4/ 7.5 18

12 3	7 42.07	+18 5.0	1.527	2.338	17.1	21.4
12 13	7 35.64	+18 13.1	1.474	2.365	12.9	21.2
12 23	7 26.37	+18 29.5	1.443	2.391	8.2	21.0
1 2	7 15.25	+18 51.3	1.439	2.416	3.2	20.7
1 12	7 3.70	+19 15.3	1.462	2.442	2.7	20.8
1 22	6 53.17	+19 38.7	1.515	2.466	7.4	21.1
2 1	6 44.87	+19 59.9	1.593	2.491	11.7	21.4
2 11	6 39.54	+20 18.1	1.695	2.514	15.3	21.7

89594 2001 XS_{147} 1 7.1 105.°42 0.°2/ 7.1 18

12 3	7 40.03	+20 42.7	1.579	2.395	16.3	19.9
12 13	7 34.36	+21 16.7	1.512	2.407	12.3	19.6
12 23	7 25.77	+21 58.0	1.469	2.419	7.7	19.4
1 2	7 15.12	+22 42.1	1.451	2.431	2.6	19.1
1 12	7 3.78	+23 24.1	1.463	2.442	2.6	19.1
1 22	6 53.22	+24 0.2	1.502	2.453	7.5	19.5
2 1	6 44.76	+24 28.8	1.568	2.464	11.9	19.8
2 11	6 39.27	+24 49.8	1.656	2.475	15.6	20.0

521132 2015 EF_{62} 1 7.1 29.°92 19.°5/18.1 18

12 3	7 35.45	−17 48.0	1.015	1.737	29.3	20.6
12 13	7 31.99	−18 34.9	0.962	1.742	26.8	20.4
12 23	7 24.83	−18 28.9	0.918	1.748	24.1	20.3
1 2	7 14.91	−17 17.7	0.888	1.754	21.5	20.1
1 12	7 3.96	−14 57.2	0.875	1.761	19.8	20.0
1 22	6 53.90	−11 35.1	0.881	1.768	19.6	20.0
2 1	6 46.50	− 7 30.2	0.907	1.777	21.0	20.2
2 11	6 42.90	− 3 7.3	0.954	1.785	23.5	20.4

522356 2016 CE_{299} 1 7.1 299.°35 4.°1/ 6.1 18

12 3	7 38.49	+31 46.7	1.867	2.683	14.2	21.5
12 13	7 33.22	+32 25.6	1.786	2.677	11.0	21.3
12 23	7 25.12	+33 1.6	1.728	2.672	7.4	21.1
1 2	7 14.94	+33 29.1	1.697	2.666	4.5	20.9
1 12	7 3.96	+33 43.2	1.694	2.660	4.9	20.9
1 22	6 53.58	+33 42.0	1.719	2.655	8.1	21.1
2 1	6 45.12	+33 26.6	1.770	2.650	11.8	21.3
2 11	6 39.50	+33 0.2	1.844	2.644	15.0	21.5

490745 2010 SG_{39} 1 7.1 101.°79 2.°3/ 7.9 18

12 3	7 38.52	+14 41.0	1.998	2.792	14.2	22.0
12 13	7 32.46	+14 48.2	1.936	2.815	10.9	21.9
12 23	7 24.21	+15 4.6	1.898	2.838	7.1	21.7
1 2	7 14.52	+15 28.6	1.887	2.860	3.4	21.5
1 12	7 4.43	+15 57.8	1.906	2.882	2.9	21.5
1 22	6 55.03	+16 29.8	1.955	2.903	6.3	21.8
2 1	6 47.24	+17 2.2	2.032	2.924	9.8	22.0
2 11	6 41.74	+17 33.4	2.133	2.944	12.9	22.2

105778 2000 SW_{114} 1 7.1 27.°95 1.°8/ 7.5 18

12 3	7 35.90	+18 8.2	1.164	2.004	19.5	19.2
12 13	7 31.89	+18 4.3	1.109	2.015	14.8	19.0
12 23	7 24.48	+18 11.0	1.073	2.026	9.5	18.7
1 2	7 14.72	+18 26.2	1.061	2.039	3.8	18.4
1 12	7 4.25	+18 46.5	1.073	2.053	3.3	18.4
1 22	6 54.84	+19 8.5	1.110	2.067	8.7	18.8
2 1	6 47.96	+19 29.8	1.171	2.083	13.8	19.1
2 11	6 44.50	+19 49.0	1.252	2.099	18.0	19.4

85194 1991 TL_2 1 7.1 106.°53 1.°3/ 7.4 18

12 3	7 40.41	+19 19.0	2.352	3.142	12.5	19.5
12 13	7 33.49	+18 57.7	2.289	3.168	9.4	19.3
12 23	7 24.66	+18 39.7	2.251	3.194	6.0	19.2
1 2	7 14.63	+18 24.2	2.242	3.219	2.4	19.0
1 12	7 4.36	+18 10.5	2.265	3.243	2.2	19.0
1 22	6 54.78	+17 58.2	2.319	3.266	5.5	19.2
2 1	6 46.69	+17 47.3	2.402	3.289	8.8	19.5
2 11	6 40.69	+17 37.8	2.511	3.311	11.5	19.7

343926 2011 KR_7 1 7.1 165.°08 0.°1/ 7.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 34.11	+21 51.7	2.943	3.739	10.1	21.8
12 13	7 28.74	+22 9.6	2.859	3.744	7.6	21.6
12 23	7 21.76	+22 30.2	2.801	3.748	4.7	21.4
1 2	7 13.68	+22 51.5	2.773	3.752	1.6	21.2
1 12	7 5.20	+23 11.5	2.776	3.755	1.6	21.2
1 22	6 57.07	+23 28.8	2.810	3.758	4.7	21.4
2 1	6 49.99	+23 42.7	2.875	3.761	7.5	21.6
2 11	6 44.51	+23 53.0	2.965	3.763	10.0	21.8

377291 2004 FM_{40} 1 7.1 9.°92 6.°7/ 9.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 31.31	+ 2 11.7	2.043	2.807	15.0	20.2
12 13	7 27.18	+ 1 56.6	1.965	2.809	12.4	20.0
12 23	7 21.03	+ 1 59.6	1.907	2.810	9.7	19.9
1 2	7 13.48	+ 2 22.2	1.874	2.812	7.4	19.7
1 12	7 5.39	+ 3 4.2	1.869	2.814	6.8	19.7
1 22	6 57.72	+ 4 2.5	1.891	2.817	8.3	19.8
2 1	6 51.36	+ 5 12.9	1.940	2.820	10.8	20.0
2 11	6 47.00	+ 6 30.0	2.012	2.823	13.5	20.2

508770 1995 WY_2 1 7.1 289.°28 0.°0/ 7.0 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 12.07	+23 10.4	44.154	44.953	0.7	23.7
12 13	7 11.38	+23 11.8	44.062	44.949	0.5	23.7
12 23	7 10.60	+23 13.2	43.998	44.946	0.3	23.7
1 2	7 9.78	+23 14.6	43.964	44.943	0.1	23.6
1 12	7 8.94	+23 16.1	43.960	44.940	0.1	23.6
1 22	7 8.12	+23 17.4	43.988	44.936	0.3	23.7
2 1	7 7.34	+23 18.7	44.045	44.933	0.5	23.7
2 11	7 6.64	+23 19.7	44.130	44.930	0.7	23.7

157909 1999 TA_{183} 1 7.1 80.°86 1.°0/ 6.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.53	+23 56.2	1.991	2.805	13.5	20.2
12 13	7 31.27	+24 21.8	1.919	2.813	10.2	20.0
12 23	7 23.64	+24 50.0	1.871	2.821	6.4	19.8
1 2	7 14.39	+25 17.5	1.851	2.830	2.3	19.6
1 12	7 4.58	+25 40.8	1.860	2.838	2.5	19.6
1 22	6 55.37	+25 57.8	1.898	2.846	6.4	19.9
2 1	6 47.80	+26 8.0	1.963	2.855	10.2	20.1
2 11	6 42.63	+26 12.0	2.052	2.863	13.3	20.3

29526 1998 AV 1 7.1 82.°76 1.°5/ 7.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 33.86	+13 58.6	2.358	3.149	12.4	18.1
12 13	7 28.97	+14 47.2	2.271	3.149	9.5	17.9
12 23	7 22.13	+15 46.8	2.208	3.150	6.2	17.7
1 2	7 13.88	+16 55.0	2.175	3.150	2.7	17.5
1 12	7 5.04	+18 8.0	2.172	3.150	2.2	17.4
1 22	6 56.52	+19 21.8	2.200	3.151	5.6	17.7
2 1	6 49.18	+20 32.7	2.258	3.151	9.0	17.9
2 11	6 43.74	+21 38.2	2.342	3.151	11.9	18.1

17968 1999 JX_{46} 1 7.1 183.°40 0.°2/ 7.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 33.43	+20 47.9	2.957	3.752	10.0	19.7
12 13	7 28.24	+20 59.6	2.868	3.752	7.6	19.5
12 23	7 21.47	+21 14.2	2.806	3.752	4.7	19.3
1 2	7 13.61	+21 30.3	2.773	3.752	1.7	19.1
1 12	7 5.34	+21 46.2	2.771	3.751	1.5	19.1
1 22	6 57.39	+22 0.6	2.801	3.749	4.6	19.3
2 1	6 50.45	+22 12.7	2.860	3.748	7.5	19.5
2 11	6 45.08	+22 22.2	2.945	3.746	10.0	19.7

31116 1997 QM_4 1 7.1 116.°19 2.°6/ 7.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.37	+14 51.9	1.643	2.447	16.3	19.8
12 13	7 33.66	+14 53.6	1.575	2.460	12.6	19.6
12 23	7 25.25	+15 6.2	1.529	2.471	8.3	19.4
1 2	7 14.97	+15 28.4	1.509	2.483	4.0	19.1
1 12	7 4.08	+15 57.4	1.517	2.494	3.4	19.1
1 22	6 53.91	+16 30.3	1.554	2.505	7.4	19.4
2 1	6 45.68	+17 4.2	1.618	2.515	11.6	19.7
2 11	6 40.20	+17 37.1	1.705	2.525	15.2	19.9

302913 2003 SE_{57} 1 7.1 108.°03 1.°0/ 7.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.60	+19 3.7	1.844	2.647	14.9	21.7
12 13	7 34.25	+19 10.3	1.781	2.668	11.2	21.5
12 23	7 25.43	+19 22.9	1.741	2.688	7.1	21.3
1 2	7 14.99	+19 39.2	1.729	2.708	2.7	21.0
1 12	7 4.09	+19 56.6	1.747	2.727	2.3	21.1
1 22	6 53.98	+20 12.9	1.794	2.745	6.6	21.4
2 1	6 45.70	+20 27.2	1.869	2.763	10.5	21.6
2 11	6 39.99	+20 39.2	1.968	2.780	13.8	21.9

405158 2002 TS_{244} 1 7.1 131.°68 1.°8/ 7.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.66	+16 29.5	2.200	2.992	13.2	22.8
12 13	7 32.47	+16 29.3	2.129	3.008	10.0	22.6
12 23	7 24.20	+16 35.8	2.082	3.023	6.5	22.4
1 2	7 14.56	+16 47.8	2.063	3.038	2.9	22.2
1 12	7 4.49	+17 3.4	2.075	3.052	2.5	22.2
1 22	6 54.99	+17 20.9	2.117	3.065	5.9	22.4
2 1	6 46.98	+17 38.9	2.188	3.078	9.3	22.7
2 11	6 41.11	+17 56.4	2.284	3.090	12.3	22.9

137835 2000 AX_{27} 1 7.1 86.°48 1.°7/ 6.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 42.79	+27 4.5	1.706	2.520	15.4	19.7
12 13	7 36.12	+27 6.3	1.647	2.540	11.6	19.5
12 23	7 26.66	+27 6.5	1.611	2.560	7.3	19.3
1 2	7 15.40	+27 1.6	1.602	2.579	2.9	19.1
1 12	7 3.74	+26 49.2	1.621	2.599	3.0	19.1
1 22	6 53.08	+26 29.0	1.670	2.618	7.2	19.4
2 1	6 44.61	+26 2.9	1.746	2.637	11.2	19.7
2 11	6 39.05	+25 33.5	1.844	2.655	14.6	20.0

123429 2000 WB_{115} 1 7.1 39.°38 0.°4/ 7.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 37.87	+24 9.9	1.719	2.538	15.1	19.5
12 13	7 32.50	+23 58.4	1.650	2.547	11.4	19.3
12 23	7 24.48	+23 47.8	1.604	2.555	7.1	19.1
1 2	7 14.69	+23 35.9	1.585	2.564	2.5	18.8
1 12	7 4.38	+23 21.0	1.594	2.574	2.4	18.8
1 22	6 54.86	+23 2.7	1.632	2.584	7.0	19.1
2 1	6 47.28	+22 41.9	1.696	2.594	11.1	19.4
2 11	6 42.42	+22 19.9	1.783	2.604	14.6	19.7

241306 2007 UM_{135} 1 7.1 174.°05 2.°0/ 6.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 35.65	+28 1.2	2.666	3.468	10.8	21.4
12 13	7 30.17	+28 30.6	2.583	3.470	8.2	21.2
12 23	7 22.79	+28 59.5	2.526	3.471	5.2	21.0
1 2	7 14.09	+29 24.7	2.498	3.472	2.5	20.9
1 12	7 4.90	+29 43.5	2.500	3.473	2.8	20.9
1 22	6 56.12	+29 54.3	2.533	3.474	5.6	21.1
2 1	6 48.58	+29 57.0	2.595	3.474	8.5	21.3
2 11	6 42.94	+29 52.8	2.682	3.474	11.1	21.4

32303 2000 QT_{24} 1 7.1 114.°99 5.°2/ 5.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.62	+39 24.4	2.517	3.308	11.7	18.4
12 13	7 33.41	+39 55.1	2.443	3.312	9.3	18.3
12 23	7 24.89	+40 17.6	2.394	3.316	7.0	18.1
1 2	7 14.81	+40 27.1	2.372	3.319	5.4	18.0
1 12	7 4.25	+40 20.4	2.379	3.323	5.6	18.0
1 22	6 54.35	+39 57.2	2.415	3.326	7.5	18.2
2 1	6 46.11	+39 19.7	2.479	3.330	9.9	18.3
2 11	6 40.24	+38 31.7	2.566	3.333	12.2	18.5

24204 Trinkle 1 7.1 170.°33 0.°6/ 6.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.29	+23 31.8	2.243	3.050	12.4	19.4
12 13	7 30.89	+23 47.2	2.161	3.051	9.4	19.2
12 23	7 23.35	+24 5.0	2.104	3.053	5.9	19.0
1 2	7 14.31	+24 22.4	2.075	3.054	2.1	18.8
1 12	7 4.73	+24 36.8	2.076	3.055	2.1	18.8
1 22	6 55.62	+24 46.6	2.107	3.055	5.9	19.0
2 1	6 47.95	+24 51.3	2.166	3.056	9.4	19.2
2 11	6 42.42	+24 51.6	2.249	3.056	12.4	19.4

455127 2015 VY_{72} 1 7.1 8.°89 2.°6/ 6.8 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 27.15	+26 39.4	0.773	1.657	22.2	20.1
12 13	7 26.65	+26 46.3	0.731	1.661	16.9	19.8
12 23	7 21.81	+26 53.4	0.704	1.667	10.7	19.5
1 2	7 13.92	+26 55.5	0.697	1.677	4.3	19.2
1 12	7 5.18	+26 48.1	0.710	1.690	4.4	19.3
1 22	6 57.88	+26 29.9	0.744	1.706	10.6	19.7
2 1	6 53.81	+26 3.0	0.798	1.725	16.3	20.1
2 11	6 53.85	+25 30.7	0.868	1.747	21.0	20.4

498 Tokio 1 7.1 103.°26 0.°7/ 6.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.05	+21 58.5	2.035	2.840	13.6	13.5
12 13	7 33.02	+22 41.4	1.971	2.860	10.2	13.4
12 23	7 24.67	+23 28.8	1.932	2.881	6.3	13.2
1 2	7 14.75	+24 16.6	1.921	2.900	2.2	12.9
1 12	7 4.35	+25 0.6	1.941	2.920	2.3	13.0
1 22	6 54.59	+25 37.8	1.991	2.939	6.3	13.3
2 1	6 46.49	+26 7.1	2.069	2.957	9.9	13.5
2 11	6 40.77	+26 28.7	2.171	2.975	12.9	13.8

447444 2006 EJ_9 1 7.1 14.°16 1.°1/ 7.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 35.23	+19 2.5	1.162	2.004	19.3	20.9
12 13	7 31.60	+19 11.1	1.099	2.007	14.8	20.6
12 23	7 24.47	+19 30.2	1.057	2.011	9.4	20.4
1 2	7 14.82	+19 56.9	1.037	2.016	3.5	20.0
1 12	7 4.27	+20 26.7	1.042	2.022	3.1	20.0
1 22	6 54.66	+20 55.6	1.071	2.029	8.8	20.4
2 1	6 47.56	+21 21.1	1.125	2.037	14.1	20.7
2 11	6 44.00	+21 41.9	1.198	2.046	18.5	21.0

35092 1990 WK_6 1 7.1 102.°38 4.°6/ 8.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.16	+10 58.9	1.622	2.418	16.9	18.8
12 13	7 33.42	+10 36.5	1.558	2.433	13.3	18.6
12 23	7 25.06	+10 27.6	1.515	2.449	9.2	18.4
1 2	7 14.91	+10 32.8	1.498	2.464	5.6	18.2
1 12	7 4.23	+10 50.8	1.509	2.478	5.0	18.2
1 22	6 54.31	+11 19.1	1.548	2.492	8.1	18.4
2 1	6 46.32	+11 54.4	1.613	2.506	11.9	18.7
2 11	6 41.03	+12 33.2	1.701	2.519	15.3	18.9

366979 2005 XS_{15} 1 7.1 133.°40 1.°3/ 7.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 37.06	+18 14.3	2.238	3.036	12.8	21.8
12 13	7 31.31	+18 11.8	2.163	3.046	9.7	21.6
12 23	7 23.52	+18 14.6	2.112	3.057	6.2	21.4
1 2	7 14.35	+18 21.3	2.090	3.066	2.5	21.2
1 12	7 4.74	+18 30.3	2.097	3.076	2.2	21.2
1 22	6 55.67	+18 40.2	2.135	3.085	5.8	21.5
2 1	6 48.02	+18 50.1	2.202	3.093	9.2	21.7
2 11	6 42.45	+18 59.4	2.293	3.102	12.2	21.9

495532 2014 WB_{54} 1 7.1 101.°09 1.°8/ 7.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.95	+16 34.8	2.080	2.878	13.6	22.0
12 13	7 31.30	+16 33.9	2.012	2.895	10.4	21.8
12 23	7 23.53	+16 40.2	1.968	2.911	6.7	21.6
1 2	7 14.36	+16 52.3	1.952	2.928	3.0	21.4
1 12	7 4.77	+17 8.4	1.966	2.943	2.6	21.4
1 22	6 55.79	+17 26.6	2.009	2.959	6.1	21.6
2 1	6 48.33	+17 45.5	2.081	2.974	9.6	21.9
2 11	6 43.06	+18 3.9	2.177	2.989	12.6	22.1

224359 2005 UX_{117} 1 7.1 175.°02 0.°1/ 7.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 37.49	+21 24.2	2.345	3.145	12.2	21.9
12 13	7 31.67	+21 34.1	2.261	3.147	9.2	21.7
12 23	7 23.80	+21 47.4	2.202	3.149	5.8	21.5
1 2	7 14.48	+22 1.8	2.171	3.150	2.0	21.2
1 12	7 4.64	+22 15.3	2.172	3.151	1.9	21.2
1 22	6 55.26	+22 26.2	2.203	3.152	5.7	21.5
2 1	6 47.24	+22 33.9	2.262	3.152	9.1	21.7
2 11	6 41.30	+22 38.6	2.347	3.151	12.1	21.9

118186 1993 XC 1 7.1 272.°57 1.°9/ 7.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 31.51	+15 3.6	2.678	3.471	11.0	20.1
12 13	7 26.98	+15 4.6	2.586	3.464	8.5	19.9
12 23	7 20.79	+15 12.2	2.518	3.458	5.6	19.8
1 2	7 13.43	+15 26.0	2.479	3.452	2.8	19.6
1 12	7 5.62	+15 44.5	2.470	3.446	2.4	19.5
1 22	6 58.10	+16 6.3	2.491	3.439	5.2	19.7
2 1	6 51.60	+16 30.0	2.541	3.433	8.1	19.9
2 11	6 46.74	+16 54.0	2.617	3.427	10.8	20.0

309261 2007 RK_{93} 1 7.1 132.°15 0.°0/ 7.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.56	+21 4.7	1.968	2.770	14.1	21.8
12 13	7 34.24	+21 28.8	1.898	2.785	10.6	21.6
12 23	7 25.49	+21 57.6	1.852	2.800	6.6	21.4
1 2	7 15.07	+22 28.0	1.834	2.813	2.3	21.1
1 12	7 4.12	+22 56.5	1.846	2.826	2.2	21.1
1 22	6 53.82	+23 20.6	1.889	2.838	6.4	21.4
2 1	6 45.26	+23 39.3	1.959	2.850	10.2	21.7
2 11	6 39.18	+23 52.9	2.054	2.861	13.5	21.9

90926 Stáhalík 1 7.1 28.°25 1.°0/ 7.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.36	+18 0.6	1.222	2.057	19.0	18.8
12 13	7 32.31	+18 28.4	1.160	2.064	14.5	18.5
12 23	7 24.86	+19 8.9	1.118	2.071	9.2	18.2
1 2	7 14.97	+19 57.9	1.100	2.080	3.4	17.9
1 12	7 4.21	+20 49.9	1.108	2.088	2.9	17.9
1 22	6 54.35	+21 39.3	1.141	2.098	8.6	18.3
2 1	6 46.92	+22 22.5	1.199	2.108	13.7	18.6
2 11	6 42.94	+22 58.1	1.277	2.119	18.0	18.9

240911 2006 DO_{183} 1 7.2 172.°16 0.°9/ 6.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.38	+23 28.5	1.994	2.800	13.8	21.4
12 13	7 34.26	+23 56.4	1.914	2.803	10.5	21.2
12 23	7 25.61	+24 27.6	1.858	2.806	6.6	21.0
1 2	7 15.17	+24 58.3	1.829	2.808	2.4	20.7
1 12	7 4.04	+25 24.8	1.831	2.810	2.5	20.7
1 22	6 53.46	+25 44.7	1.863	2.811	6.6	21.0
2 1	6 44.59	+25 57.1	1.923	2.811	10.5	21.2
2 11	6 38.24	+26 3.1	2.007	2.811	13.8	21.4

37913 1998 FO_{90} 1 7.2 240.°46 1.°2/ 6.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.21	+23 44.7	1.833	2.646	14.6	19.5
12 13	7 33.77	+24 15.0	1.743	2.636	11.1	19.3
12 23	7 25.54	+24 49.6	1.675	2.625	7.0	19.0
1 2	7 15.21	+25 24.3	1.635	2.613	2.6	18.7
1 12	7 3.95	+25 54.6	1.623	2.602	2.8	18.7
1 22	6 53.12	+26 17.6	1.641	2.589	7.3	19.0
2 1	6 44.05	+26 32.1	1.686	2.577	11.6	19.2
2 11	6 37.72	+26 39.1	1.753	2.564	15.2	19.4

40647 1999 RD_{185} 1 7.2 205.°22 0.°5/ 6.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.43	+22 3.3	2.103	2.905	13.3	20.3
12 13	7 33.52	+22 32.9	2.012	2.900	10.1	20.1
12 23	7 25.17	+23 7.3	1.946	2.894	6.3	19.8
1 2	7 15.04	+23 43.0	1.909	2.888	2.2	19.6
1 12	7 4.14	+24 16.3	1.901	2.881	2.2	19.5
1 22	6 53.65	+24 44.4	1.924	2.873	6.4	19.8
2 1	6 44.68	+25 6.0	1.976	2.864	10.3	20.0
2 11	6 38.09	+25 21.4	2.051	2.855	13.6	20.2

445088 2008 TW_{121} 1 7.2 49.°90 0.°6/ 7.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 41.48	+22 7.0	1.207	2.041	19.3	20.8
12 13	7 35.90	+21 46.1	1.157	2.060	14.6	20.6
12 23	7 26.87	+21 29.2	1.127	2.080	9.1	20.4
1 2	7 15.57	+21 14.2	1.120	2.100	3.2	20.1
1 12	7 3.79	+20 59.2	1.140	2.120	2.9	20.1
1 22	6 53.31	+20 43.8	1.186	2.141	8.5	20.5
2 1	6 45.55	+20 28.4	1.256	2.162	13.5	20.8
2 11	6 41.30	+20 14.0	1.347	2.184	17.5	21.2

424283 2007 TA_{131} 1 7.2 161.°17 0.°3/ 7.0 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 34.74	+22 50.5	2.749	3.548	10.6	22.2
12 13	7 29.35	+23 4.5	2.666	3.552	8.0	22.0
12 23	7 22.24	+23 20.6	2.609	3.557	5.0	21.9
1 2	7 13.94	+23 36.7	2.581	3.560	1.7	21.6
1 12	7 5.22	+23 51.0	2.585	3.564	1.7	21.6
1 22	6 56.90	+24 1.9	2.619	3.567	4.9	21.9
2 1	6 49.71	+24 9.1	2.682	3.570	7.9	22.1
2 11	6 44.26	+24 12.7	2.772	3.572	10.5	22.2

104616 2000 GF_{108} 1 7.2 160.°23 5.°7/ 9.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 35.48	+ 2 36.9	2.688	3.427	12.3	20.4
12 13	7 29.79	+ 2 10.0	2.607	3.436	10.2	20.2
12 23	7 22.46	+ 1 55.9	2.550	3.444	7.9	20.1
1 2	7 14.01	+ 1 56.2	2.520	3.451	6.1	20.0
1 12	7 5.17	+ 2 11.0	2.519	3.457	5.7	20.0
1 22	6 56.70	+ 2 38.9	2.548	3.462	7.0	20.0
2 1	6 49.31	+ 3 17.5	2.606	3.467	9.1	20.2
2 11	6 43.57	+ 4 3.4	2.688	3.471	11.3	20.3

464665 2001 SZ_{228} 1 7.2 161.°18 5.°6/ 4.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.62	+42 54.7	3.090	3.863	10.2	21.9
12 13	7 33.97	+43 46.6	3.019	3.869	8.3	21.8
12 23	7 25.21	+44 30.1	2.972	3.875	6.6	21.7
1 2	7 14.99	+45 0.5	2.955	3.880	5.6	21.6
1 12	7 4.25	+45 14.5	2.966	3.885	5.9	21.7
1 22	6 54.01	+45 11.1	3.007	3.889	7.3	21.8
2 1	6 45.20	+44 52.0	3.074	3.893	9.1	21.9
2 11	6 38.51	+44 20.3	3.166	3.897	10.8	22.0

486683 2013 TD_{111} 1 7.2 203.°03 14.°6/ 8.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.74	− 4 52.6	1.389	2.134	21.6	21.0
12 13	7 35.26	− 7 4.1	1.320	2.132	19.1	20.8
12 23	7 26.62	− 8 51.9	1.269	2.130	16.6	20.6
1 2	7 15.62	−10 5.6	1.238	2.127	14.9	20.5
1 12	7 3.62	−10 38.2	1.230	2.123	14.7	20.5
1 22	6 52.23	−10 28.6	1.245	2.119	16.0	20.6
2 1	6 42.94	− 9 41.5	1.280	2.115	18.3	20.7
2 11	6 36.80	− 8 26.6	1.334	2.110	20.9	20.9

365244 2009 MB_{8} 1 7.2 123.°62 5.°5/ 9.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.06	+ 4 11.8	2.415	3.166	13.3	22.2
12 13	7 30.31	+ 3 49.3	2.345	3.185	10.8	22.0
12 23	7 22.80	+ 3 40.5	2.299	3.203	8.2	21.9
1 2	7 14.13	+ 3 46.4	2.281	3.221	6.1	21.8
1 12	7 5.10	+ 4 6.7	2.291	3.238	5.6	21.8
1 22	6 56.56	+ 4 39.4	2.331	3.254	7.1	21.9
2 1	6 49.26	+ 5 21.8	2.399	3.270	9.4	22.1
2 11	6 43.79	+ 6 10.2	2.492	3.285	11.8	22.3

267475 2002 FV_{31} 1 7.2 302.°40 1.°1/ 7.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 34.51	+18 0.8	1.827	2.641	14.6	20.9
12 13	7 30.15	+18 17.3	1.734	2.626	11.2	20.7
12 23	7 23.25	+18 42.4	1.663	2.612	7.2	20.4
1 2	7 14.42	+19 14.2	1.619	2.597	2.8	20.1
1 12	7 4.73	+19 49.6	1.604	2.583	2.4	20.1
1 22	6 55.40	+20 25.4	1.616	2.569	6.9	20.3
2 1	6 47.63	+20 59.2	1.656	2.555	11.2	20.5
2 11	6 42.36	+21 29.3	1.718	2.542	14.9	20.7

80115 1999 RF_{95} 1 7.2 33.°84 2.°6/ 7.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 37.96	+17 10.4	1.137	1.974	20.0	18.8
12 13	7 33.62	+16 57.3	1.078	1.981	15.4	18.5
12 23	7 25.72	+16 55.7	1.038	1.989	10.0	18.2
1 2	7 15.28	+17 4.2	1.021	1.998	4.4	17.9
1 12	7 4.04	+17 20.2	1.028	2.007	3.8	17.9
1 22	6 53.83	+17 40.3	1.061	2.017	9.1	18.3
2 1	6 46.24	+18 2.0	1.117	2.028	14.3	18.6
2 11	6 42.26	+18 23.4	1.192	2.039	18.7	18.9

136493 2005 GW_{141} 1 7.2 189.°70 5.°3/ 4.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.94	+37 29.7	2.660	3.452	11.1	20.0
12 13	7 33.09	+38 52.2	2.581	3.451	8.9	19.8
12 23	7 24.90	+40 10.2	2.529	3.450	6.7	19.7
1 2	7 14.97	+41 17.6	2.505	3.449	5.4	19.6
1 12	7 4.27	+42 9.4	2.512	3.447	5.9	19.7
1 22	6 53.88	+42 43.0	2.547	3.446	7.8	19.8
2 1	6 44.90	+42 58.5	2.610	3.444	10.1	19.9
2 11	6 38.16	+42 58.7	2.696	3.441	12.2	20.1

238328 2004 AB_{17} 1 7.2 300.°45 0.°8/ 7.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 34.06	+19 25.9	2.204	3.011	12.6	21.1
12 13	7 29.28	+19 29.9	2.117	3.006	9.6	20.9
12 23	7 22.42	+19 39.0	2.054	3.001	6.1	20.6
1 2	7 14.08	+19 51.6	2.019	2.997	2.3	20.4
1 12	7 5.16	+20 5.7	2.013	2.993	2.0	20.3
1 22	6 56.66	+20 19.6	2.037	2.988	5.8	20.6
2 1	6 49.50	+20 32.3	2.089	2.984	9.4	20.8
2 11	6 44.41	+20 43.1	2.165	2.980	12.6	21.0

335221 2005 GP_{28} 1 7.2 250.°58 3.°4/ 8.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 33.35	+12 7.9	2.353	3.141	12.5	20.7
12 13	7 28.55	+11 48.8	2.264	3.136	9.8	20.5
12 23	7 21.88	+11 38.3	2.199	3.132	6.8	20.3
1 2	7 13.89	+11 36.7	2.162	3.127	4.1	20.1
1 12	7 5.38	+11 43.6	2.154	3.123	3.7	20.1
1 22	6 57.24	+11 57.8	2.175	3.118	6.2	20.2
2 1	6 50.29	+12 17.6	2.224	3.113	9.3	20.4
2 11	6 45.20	+12 41.0	2.299	3.109	12.1	20.6

457817 2009 RB_{55} 1 7.2 93.°73 4.°8/ 8.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 35.55	+ 8 11.8	2.065	2.844	14.4	21.4
12 13	7 30.24	+ 7 53.9	1.999	2.860	11.4	21.2
12 23	7 22.91	+ 7 49.1	1.954	2.877	8.3	21.0
1 2	7 14.22	+ 7 57.9	1.937	2.893	5.5	20.9
1 12	7 5.12	+ 8 19.6	1.948	2.910	5.0	20.9
1 22	6 56.58	+ 8 51.8	1.988	2.926	7.1	21.0
2 1	6 49.49	+ 9 31.5	2.056	2.941	10.1	21.3
2 11	6 44.48	+10 15.4	2.148	2.957	12.9	21.5

422515 2014 TM_{7} 1 7.2 107.°90 2.°5/ 7.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.79	+14 44.8	1.973	2.771	14.2	21.8
12 13	7 31.35	+14 43.3	1.902	2.783	11.0	21.6
12 23	7 23.69	+14 50.8	1.854	2.795	7.2	21.4
1 2	7 14.51	+15 6.4	1.834	2.807	3.6	21.2
1 12	7 4.84	+15 28.3	1.842	2.818	3.1	21.2
1 22	6 55.75	+15 54.1	1.880	2.829	6.5	21.4
2 1	6 48.23	+16 21.7	1.946	2.840	10.1	21.7
2 11	6 42.97	+16 49.4	2.036	2.851	13.3	21.9

112701 2002 PX_{105} 1 7.2 340.°32 5.°2/ 8.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 33.22	+ 8 31.9	2.013	2.799	14.4	19.7
12 13	7 28.72	+ 7 56.5	1.930	2.796	11.6	19.5
12 23	7 22.10	+ 7 33.0	1.870	2.793	8.5	19.3
1 2	7 13.99	+ 7 23.3	1.835	2.790	5.9	19.1
1 12	7 5.30	+ 7 27.5	1.828	2.788	5.4	19.1
1 22	6 57.05	+ 7 44.6	1.850	2.786	7.6	19.2
2 1	6 50.17	+ 8 12.1	1.898	2.784	10.7	19.4
2 11	6 45.39	+ 8 46.6	1.969	2.783	13.7	19.6

157863 1998 WG_{26} 1 7.2 219.°16 4.°2/ 6.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.92	+30 35.2	1.711	2.525	15.4	20.8
12 13	7 36.96	+31 28.4	1.628	2.519	11.9	20.6
12 23	7 27.74	+32 20.9	1.568	2.512	8.0	20.3
1 2	7 16.06	+33 5.4	1.534	2.504	4.7	20.1
1 12	7 3.32	+33 35.6	1.529	2.496	5.2	20.1
1 22	6 51.18	+33 48.0	1.552	2.488	8.9	20.3
2 1	6 41.19	+33 43.5	1.601	2.479	12.9	20.6
2 11	6 34.43	+33 25.9	1.672	2.469	16.4	20.8

160369 2004 FW_{34} 1 7.2 251.°13 1.°5/ 7.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.00	+17 28.3	1.529	2.344	16.8	20.9
12 13	7 34.01	+17 41.0	1.442	2.334	13.0	20.6
12 23	7 25.91	+18 4.1	1.376	2.324	8.4	20.3
1 2	7 15.44	+18 35.4	1.335	2.313	3.4	20.0
1 12	7 3.90	+19 11.4	1.323	2.302	2.9	19.9
1 22	6 52.83	+19 48.2	1.338	2.291	8.0	20.2
2 1	6 43.74	+20 22.8	1.379	2.279	12.9	20.4
2 11	6 37.73	+20 53.9	1.441	2.268	17.2	20.7

64250 2001 TV_{167} 1 7.2 122.°58 1.°9/ 6.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 43.87	+27 6.3	1.672	2.484	15.7	19.6
12 13	7 37.19	+27 16.8	1.605	2.497	11.9	19.3
12 23	7 27.54	+27 26.4	1.561	2.509	7.6	19.1
1 2	7 15.87	+27 30.6	1.544	2.521	3.1	18.9
1 12	7 3.62	+27 26.2	1.555	2.532	3.2	18.9
1 22	6 52.31	+27 12.4	1.596	2.543	7.6	19.2
2 1	6 43.23	+26 50.8	1.663	2.554	11.7	19.5
2 11	6 37.20	+26 24.4	1.753	2.563	15.3	19.7

417927 2007 RG_{278} 1 7.2 105.°61 5.°9/ 4.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.01	+39 9.1	2.427	3.219	12.0	20.9
12 13	7 33.96	+40 20.9	2.363	3.231	9.6	20.7
12 23	7 25.43	+41 25.6	2.324	3.243	7.4	20.6
1 2	7 15.16	+42 16.9	2.314	3.254	6.0	20.6
1 12	7 4.24	+42 50.1	2.332	3.266	6.4	20.6
1 22	6 53.90	+43 3.5	2.378	3.277	8.2	20.7
2 1	6 45.25	+42 58.7	2.451	3.288	10.5	20.9
2 11	6 39.09	+42 39.2	2.547	3.298	12.7	21.1

402633 2006 TH_{59} 1 7.2 103.°05 1.°5/ 6.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.72	+25 51.7	2.021	2.825	13.7	21.7
12 13	7 35.00	+26 13.8	1.961	2.850	10.3	21.5
12 23	7 25.91	+26 36.1	1.926	2.873	6.4	21.3
1 2	7 15.26	+26 54.8	1.919	2.897	2.6	21.1
1 12	7 4.22	+27 6.8	1.942	2.919	2.7	21.2
1 22	6 53.98	+27 11.0	1.995	2.941	6.4	21.4
2 1	6 45.55	+27 7.6	2.077	2.962	10.0	21.7
2 11	6 39.64	+26 58.6	2.182	2.983	13.0	21.9

60773 2000 GD_{158} 1 7.2 131.°20 0.°0/ 7.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 35.01	+20 56.6	2.572	3.371	11.3	19.8
12 13	7 29.64	+21 16.1	2.495	3.381	8.5	19.6
12 23	7 22.47	+21 39.3	2.444	3.391	5.3	19.4
1 2	7 14.08	+22 4.0	2.421	3.400	1.8	19.2
1 12	7 5.27	+22 27.9	2.430	3.409	1.7	19.2
1 22	6 56.88	+22 49.3	2.469	3.418	5.1	19.5
2 1	6 49.71	+23 7.1	2.537	3.427	8.2	19.7
2 11	6 44.35	+23 21.2	2.631	3.435	10.9	19.9

457896 2009 TW_{30} 1 7.2 42.°87 1.°6/ 6.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.63	+24 44.9	1.767	2.587	14.7	21.1
12 13	7 31.71	+25 20.4	1.697	2.594	11.1	20.9
12 23	7 24.15	+25 58.9	1.651	2.601	7.0	20.7
1 2	7 14.73	+26 36.0	1.631	2.609	2.7	20.4
1 12	7 4.66	+27 7.1	1.639	2.617	3.0	20.5
1 22	6 55.24	+27 29.6	1.676	2.625	7.2	20.7
2 1	6 47.67	+27 42.8	1.740	2.633	11.1	21.0
2 11	6 42.76	+27 47.8	1.826	2.641	14.5	21.2

302920 2003 SX_{157} 1 7.2 62.°71 3.°7/ 8.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.22	+13 51.5	1.478	2.290	17.5	20.6
12 13	7 32.96	+13 29.9	1.419	2.306	13.6	20.4
12 23	7 24.90	+13 20.1	1.381	2.323	9.1	20.1
1 2	7 14.96	+13 22.2	1.368	2.339	4.9	19.9
1 12	7 4.50	+13 34.6	1.382	2.356	4.3	19.9
1 22	6 54.90	+13 55.0	1.424	2.373	8.0	20.2
2 1	6 47.39	+14 20.4	1.491	2.391	12.2	20.5
2 11	6 42.75	+14 48.2	1.580	2.408	15.8	20.8

161754 2006 SJ_{354} 1 7.2 235.°45 2.°4/ 8.1 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 32.77	+12 42.5	2.981	3.759	10.4	21.0
12 13	7 27.83	+12 42.1	2.876	3.745	8.1	20.8
12 23	7 21.33	+12 49.0	2.797	3.730	5.5	20.6
1 2	7 13.71	+13 2.9	2.747	3.715	3.1	20.5
1 12	7 5.60	+13 22.8	2.728	3.700	2.7	20.4
1 22	6 57.71	+13 47.3	2.740	3.684	5.0	20.5
2 1	6 50.71	+14 15.0	2.782	3.668	7.7	20.7
2 11	6 45.18	+14 44.1	2.849	3.651	10.2	20.8

426586 2013 SU_{28} 1 7.2 63.°00 3.°0/ 8.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 33.80	+11 41.8	2.085	2.878	13.8	20.5
12 13	7 29.01	+11 57.7	2.016	2.892	10.7	20.3
12 23	7 22.20	+12 25.3	1.970	2.906	7.3	20.1
1 2	7 14.01	+13 3.6	1.951	2.920	4.0	19.9
1 12	7 5.36	+13 50.1	1.961	2.934	3.3	19.9
1 22	6 57.22	+14 41.3	2.000	2.949	6.2	20.1
2 1	6 50.47	+15 34.1	2.068	2.963	9.5	20.4
2 11	6 45.78	+16 25.7	2.160	2.978	12.5	20.6

218642 2005 SV_{26} 1 7.2 125.°23 0.°3/ 7.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.79	+21 49.2	2.036	2.843	13.5	21.1
12 13	7 32.19	+22 10.8	1.963	2.853	10.2	20.9
12 23	7 24.27	+22 36.5	1.913	2.862	6.4	20.7
1 2	7 14.75	+23 3.4	1.891	2.870	2.2	20.4
1 12	7 4.68	+23 28.2	1.899	2.879	2.1	20.4
1 22	6 55.18	+23 48.8	1.937	2.887	6.2	20.7
2 1	6 47.28	+24 4.3	2.003	2.895	10.0	21.0
2 11	6 41.73	+24 14.8	2.092	2.902	13.1	21.2

91409 1999 NP_{15} 1 7.2 202.°78 0.°1/ 7.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.79	+22 50.6	2.313	3.115	12.3	20.5
12 13	7 32.01	+22 50.5	2.224	3.111	9.3	20.3
12 23	7 24.10	+22 52.3	2.160	3.107	5.8	20.1
1 2	7 14.69	+22 53.9	2.124	3.103	2.0	19.8
1 12	7 4.73	+22 53.5	2.119	3.099	1.9	19.8
1 22	6 55.22	+22 50.1	2.144	3.093	5.8	20.1
2 1	6 47.10	+22 43.7	2.198	3.088	9.3	20.3
2 11	6 41.11	+22 34.8	2.277	3.082	12.4	20.5

225326 1998 HD_{154} 1 7.2 227.°61 2.°6/ 7.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 35.64	+14 4.6	2.505	3.290	11.9	21.3
12 13	7 30.24	+13 50.4	2.406	3.279	9.3	21.1
12 23	7 22.95	+13 43.1	2.331	3.267	6.3	20.9
1 2	7 14.30	+13 42.6	2.285	3.255	3.4	20.7
1 12	7 5.08	+13 48.2	2.269	3.242	3.0	20.6
1 22	6 56.15	+13 58.8	2.284	3.228	5.8	20.8
2 1	6 48.37	+14 13.1	2.327	3.215	9.0	21.0
2 11	6 42.41	+14 29.9	2.396	3.200	11.9	21.1

325626 2009 SF_{270} 1 7.2 109.°97 1.°9/ 7.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.13	+16 0.1	2.064	2.863	13.6	21.4
12 13	7 30.83	+16 5.1	1.990	2.873	10.4	21.3
12 23	7 23.37	+16 18.1	1.941	2.884	6.8	21.0
1 2	7 14.44	+16 37.8	1.918	2.893	3.1	20.8
1 12	7 5.01	+17 2.0	1.926	2.903	2.6	20.8
1 22	6 56.12	+17 28.5	1.962	2.913	6.1	21.1
2 1	6 48.71	+17 55.4	2.027	2.922	9.7	21.3
2 11	6 43.49	+18 21.1	2.116	2.931	12.8	21.5

360020 2013 AW_{15} 1 7.2 319.°43 4.°2/ 8.1 18

12 3	7 34.46	+13 17.3	1.310	2.135	18.6	20.9
12 13	7 30.95	+13 1.1	1.225	2.120	14.7	20.6
12 23	7 24.20	+12 59.4	1.160	2.105	10.1	20.3
1 2	7 14.93	+13 12.9	1.118	2.090	5.5	20.0
1 12	7 4.49	+13 40.3	1.101	2.076	4.8	19.9
1 22	6 54.53	+14 18.4	1.109	2.063	9.2	20.1
2 1	6 46.64	+15 3.1	1.141	2.050	14.3	20.4
2 11	6 42.01	+15 50.1	1.194	2.039	18.8	20.6

238729 2005 GZ_{87} 1 7.2 302.°30 3.°8/ 6.2 18

12 3	7 37.41	+32 19.1	2.085	2.896	13.1	20.1
12 13	7 32.27	+32 46.8	1.994	2.883	10.1	19.9
12 23	7 24.54	+33 11.0	1.927	2.869	6.9	19.6
1 2	7 14.93	+33 26.9	1.887	2.856	4.2	19.4
1 12	7 4.55	+33 30.6	1.876	2.842	4.5	19.4
1 22	6 54.66	+33 20.7	1.893	2.829	7.5	19.6
2 1	6 46.44	+32 58.1	1.937	2.816	10.9	19.8
2 11	6 40.77	+32 25.9	2.005	2.804	14.0	19.9

362030 2008 YH_{100} 1 7.2 355.°81 0.°0/ 6.9 18

12 3	7 34.94	+21 40.3	1.185	2.030	18.9	21.2
12 13	7 31.55	+21 47.9	1.116	2.025	14.4	20.9
12 23	7 24.61	+22 2.5	1.066	2.022	9.1	20.6
1 2	7 15.05	+22 20.7	1.039	2.019	3.2	20.2
1 12	7 4.47	+22 38.3	1.038	2.018	3.0	20.2
1 22	6 54.72	+22 52.1	1.061	2.018	8.9	20.6
2 1	6 47.47	+23 0.8	1.107	2.019	14.3	20.9
2 11	6 43.80	+23 4.7	1.173	2.021	18.8	21.1

86816 2000 GB_{135} 1 7.2 174.°32 2.°1/ 6.5 18

12 3	7 41.49	+24 43.6	1.776	2.587	15.0	19.8
12 13	7 35.55	+25 38.2	1.697	2.590	11.4	19.6
12 23	7 26.71	+26 37.3	1.643	2.592	7.2	19.4
1 2	7 15.71	+27 35.0	1.616	2.593	3.0	19.1
1 12	7 3.84	+28 25.2	1.618	2.594	3.4	19.1
1 22	6 52.54	+29 4.1	1.650	2.594	7.6	19.4
2 1	6 43.17	+29 30.5	1.708	2.594	11.8	19.6
2 11	6 36.68	+29 45.6	1.790	2.593	15.3	19.9

291096 2005 YG_{135} 1 7.2 271.°75 2.°3/ 6.2 18

12 3	7 36.78	+25 37.2	2.025	2.838	13.3	20.6
12 13	7 31.83	+26 37.3	1.936	2.829	10.2	20.3
12 23	7 24.32	+27 41.6	1.870	2.819	6.5	20.1
1 2	7 14.89	+28 45.0	1.833	2.809	3.0	19.9
1 12	7 4.58	+29 41.9	1.825	2.799	3.4	19.9
1 22	6 54.60	+30 28.2	1.846	2.789	7.2	20.1
2 1	6 46.16	+31 2.2	1.895	2.778	10.9	20.3
2 11	6 40.19	+31 24.4	1.967	2.768	14.2	20.5

455389 2002 VG_{147} 1 7.2 22.°55 2.°2/ 7.4 18

12 3	7 37.69	+19 54.7	1.321	2.152	18.1	20.0
12 13	7 32.96	+19 7.2	1.259	2.160	13.8	19.8
12 23	7 25.09	+18 24.2	1.218	2.169	8.9	19.5
1 2	7 15.10	+17 46.0	1.201	2.178	3.8	19.2
1 12	7 4.51	+17 12.8	1.211	2.189	3.4	19.2
1 22	6 54.92	+16 45.3	1.247	2.201	8.3	19.6
2 1	6 47.67	+16 23.7	1.307	2.213	13.0	19.9
2 11	6 43.60	+16 7.8	1.389	2.227	17.0	20.2

459155 2012 CF_{54} 1 7.2 318.°52 1.°1/ 7.5 16

12 3	7 34.24	+18 1.7	1.496	2.322	16.6	21.4
12 13	7 30.55	+18 21.0	1.405	2.304	12.8	21.1
12 23	7 23.85	+18 51.4	1.336	2.287	8.3	20.8
1 2	7 14.81	+19 30.5	1.291	2.270	3.2	20.5
1 12	7 4.64	+20 14.4	1.273	2.253	2.7	20.4
1 22	6 54.87	+20 58.6	1.282	2.237	8.0	20.7
2 1	6 46.96	+21 39.8	1.316	2.222	13.0	20.9
2 11	6 42.06	+22 15.9	1.371	2.208	17.3	21.1

416215 2002 VL_{61} 1 7.2 15.°49 7.°4/ 8.5 18

12 3	7 33.06	+ 6 14.3	1.722	2.511	16.4	19.8
12 13	7 28.80	+ 5 1.0	1.655	2.516	13.4	19.6
12 23	7 22.23	+ 4 2.1	1.608	2.523	10.3	19.4
1 2	7 14.09	+ 3 21.4	1.587	2.530	7.9	19.3
1 12	7 5.43	+ 3 0.9	1.591	2.539	7.5	19.3
1 22	6 57.36	+ 3 0.1	1.622	2.548	9.4	19.4
2 1	6 50.91	+ 3 16.6	1.678	2.558	12.3	19.6
2 11	6 46.81	+ 3 45.7	1.755	2.568	15.1	19.8

289011 2004 TL_{102} 1 7.2 55.°00 0.°7/ 7.4 17

	h m	° ′			°	m
12 3	7 39.66	+19 40.5	1.302	2.131	18.5	21.0
12 13	7 34.45	+19 51.5	1.250	2.150	14.0	20.7
12 23	7 26.02	+20 10.7	1.218	2.170	8.8	20.5
1 2	7 15.42	+20 34.7	1.210	2.190	3.2	20.2
1 12	7 4.25	+20 59.3	1.230	2.210	2.7	20.3
1 22	6 54.16	+21 21.6	1.275	2.230	8.1	20.6
2 1	6 46.52	+21 39.8	1.346	2.251	12.8	21.0
2 11	6 42.17	+21 53.9	1.438	2.272	16.8	21.3

492128 2013 LH_{32} 1 7.2 203.°96 4.°3/ 8.4 18

12 3	7 36.22	+ 9 48.7	2.130	2.910	13.9	22.3
12 13	7 30.93	+ 9 31.9	2.041	2.906	11.1	22.1
12 23	7 23.50	+ 9 26.5	1.976	2.902	7.9	21.9
1 2	7 14.55	+ 9 33.3	1.937	2.898	5.0	21.7
1 12	7 4.97	+ 9 51.4	1.927	2.893	4.5	21.6
1 22	6 55.79	+10 19.3	1.947	2.888	7.0	21.8
2 1	6 47.95	+10 54.3	1.995	2.882	10.3	22.0
2 11	6 42.20	+11 33.5	2.067	2.876	13.3	22.1

376997 2002 PM_{178} 1 7.2 123.°83 0.°8/ 6.9 18

12 3	7 36.48	+24 7.8	2.645	3.444	11.0	22.1
12 13	7 30.71	+24 31.3	2.574	3.460	8.2	21.9
12 23	7 23.13	+24 56.3	2.528	3.475	5.1	21.7
1 2	7 14.36	+25 20.1	2.511	3.490	1.9	21.5
1 12	7 5.20	+25 40.3	2.526	3.504	2.0	21.6
1 22	6 56.51	+25 55.4	2.572	3.518	5.1	21.8
2 1	6 49.08	+26 5.0	2.647	3.532	8.1	22.0
2 11	6 43.49	+26 9.6	2.747	3.545	10.7	22.2

61317 2000 OO_{51} 1 7.2 117.°96 0.°7/ 7.1 18

12 3	7 41.30	+25 31.2	2.165	2.966	13.0	19.2
12 13	7 34.57	+25 17.3	2.094	2.981	9.8	19.0
12 23	7 25.62	+25 2.4	2.047	2.995	6.1	18.8
1 2	7 15.22	+24 44.4	2.029	3.008	2.2	18.6
1 12	7 4.45	+24 22.3	2.042	3.021	2.1	18.6
1 22	6 54.40	+23 56.1	2.086	3.034	6.0	18.9
2 1	6 46.04	+23 27.0	2.158	3.046	9.5	19.1
2 11	6 40.02	+22 56.8	2.255	3.058	12.5	19.3

165661 2001 MJ_1 1 7.2 194.°09 1.°9/ 6.5 17

12 3	7 36.43	+28 53.0	3.019	3.814	9.8	21.3
12 13	7 30.64	+29 15.6	2.929	3.812	7.5	21.2
12 23	7 23.11	+29 36.9	2.865	3.809	4.8	21.0
1 2	7 14.37	+29 54.1	2.831	3.805	2.4	20.8
1 12	7 5.18	+30 5.0	2.828	3.801	2.6	20.8
1 22	6 56.33	+30 8.3	2.857	3.796	5.1	21.0
2 1	6 48.59	+30 4.3	2.915	3.791	7.8	21.2
2 11	6 42.55	+29 54.1	2.999	3.785	10.2	21.3

145658 6596 *P–L* 1 7.2 88.°31 2.°1/ 6.7 18 R

12 3	7 40.60	+26 49.0	1.774	2.589	14.9	19.5
12 13	7 34.60	+27 16.3	1.712	2.605	11.2	19.3
12 23	7 25.90	+27 43.7	1.673	2.622	7.1	19.1
1 2	7 15.37	+28 6.7	1.661	2.638	3.1	18.9
1 12	7 4.31	+28 21.3	1.678	2.654	3.3	19.0
1 22	6 54.08	+28 25.9	1.724	2.670	7.2	19.2
2 1	6 45.86	+28 21.2	1.796	2.686	11.1	19.5
2 11	6 40.43	+28 9.4	1.892	2.701	14.4	19.8

114780 2003 MD_3 1 7.2 199.°61 0.°8/ 6.9 18

12 3	7 40.69	+23 8.3	2.078	2.880	13.5	21.1
12 13	7 34.54	+23 34.6	1.989	2.876	10.2	20.8
12 23	7 25.89	+24 4.4	1.924	2.872	6.4	20.6
1 2	7 15.42	+24 34.3	1.888	2.866	2.3	20.3
1 12	7 4.19	+25 0.5	1.881	2.860	2.3	20.3
1 22	6 53.41	+25 20.7	1.906	2.853	6.5	20.6
2 1	6 44.21	+25 34.0	1.958	2.846	10.4	20.8
2 11	6 37.47	+25 41.1	2.035	2.837	13.7	21.0

73531 2003 OE_5 1 7.2 124.°42 0.°3/ 7.1 18

12 3	7 41.14	+22 13.9	1.880	2.686	14.5	20.7
12 13	7 34.82	+22 29.5	1.811	2.701	11.0	20.5
12 23	7 25.96	+22 48.7	1.767	2.715	6.8	20.3
1 2	7 15.39	+23 8.3	1.750	2.729	2.4	20.1
1 12	7 4.29	+23 25.2	1.763	2.743	2.2	20.1
1 22	6 53.91	+23 37.4	1.806	2.756	6.6	20.4
2 1	6 45.37	+23 44.5	1.876	2.768	10.5	20.6
2 11	6 39.43	+23 47.2	1.970	2.779	13.9	20.9

182438 2001 SO_{15} 1 7.2 65.°99 1.°4/ 6.8 18

12 3	7 38.42	+24 39.7	1.706	2.525	15.2	20.5
12 13	7 33.09	+25 4.9	1.640	2.536	11.5	20.3
12 23	7 25.04	+25 32.6	1.596	2.547	7.2	20.1
1 2	7 15.10	+25 58.5	1.580	2.558	2.7	19.8
1 12	7 4.55	+26 18.7	1.591	2.570	2.8	19.9
1 22	6 54.76	+26 31.1	1.631	2.581	7.2	20.1
2 1	6 46.93	+26 35.4	1.698	2.592	11.3	20.4
2 11	6 41.88	+26 33.0	1.787	2.604	14.7	20.7

122043 2000 GV_{79} 1 7.2 173.°08 3.°1/ 7.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.01	+13 54.5	1.887	2.679	15.0	19.8
12 13	7 34.00	+13 44.8	1.806	2.683	11.7	19.5
12 23	7 25.51	+13 44.7	1.748	2.686	7.9	19.3
1 2	7 15.27	+13 53.9	1.717	2.688	4.1	19.1
1 12	7 4.36	+14 10.8	1.715	2.689	3.6	19.1
1 22	6 54.00	+14 33.4	1.743	2.690	7.1	19.3
2 1	6 45.30	+14 59.6	1.798	2.690	10.9	19.5
2 11	6 39.08	+15 27.1	1.877	2.689	14.4	19.7

440571 2005 UX_{395} 1 7.2 57.°21 3.°7/ 6.7 15

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 45.66	+29 20.7	1.176	2.010	19.7	21.3
12 13	7 39.29	+29 46.9	1.135	2.037	14.9	21.1
12 23	7 29.09	+30 9.7	1.114	2.065	9.6	20.8
1 2	7 16.46	+30 22.0	1.117	2.093	4.6	20.6
1 12	7 3.43	+30 19.2	1.146	2.121	4.8	20.7
1 22	6 52.01	+30 1.1	1.201	2.149	9.4	21.1
2 1	6 43.71	+29 31.3	1.280	2.177	14.0	21.4
2 11	6 39.29	+28 55.1	1.379	2.205	17.8	21.7

411343 2010 US_{64} 1 7.2 5.°57 2.°4/ 6.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.03	+27 2.5	1.676	2.499	15.3	21.0
12 13	7 33.05	+27 31.5	1.601	2.499	11.6	20.7
12 23	7 25.16	+28 1.2	1.549	2.499	7.4	20.5
1 2	7 15.19	+28 26.9	1.523	2.500	3.3	20.2
1 12	7 4.45	+28 44.1	1.524	2.500	3.6	20.2
1 22	6 54.39	+28 50.6	1.554	2.501	7.8	20.5
2 1	6 46.33	+28 46.6	1.609	2.502	11.9	20.7
2 11	6 41.18	+28 34.4	1.687	2.504	15.5	21.0

335922 2007 SJ_{23} 1 7.2 120.°74 0.°4/ 7.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 35.64	+20 42.7	2.834	3.626	10.5	21.6
12 13	7 29.89	+20 43.2	2.762	3.644	7.9	21.5
12 23	7 22.54	+20 46.3	2.715	3.661	4.9	21.3
1 2	7 14.15	+20 50.6	2.699	3.677	1.8	21.1
1 12	7 5.46	+20 54.9	2.714	3.693	1.6	21.1
1 22	6 57.22	+20 58.1	2.760	3.709	4.7	21.4
2 1	6 50.12	+21 0.0	2.836	3.724	7.5	21.6
2 11	6 44.70	+21 0.4	2.938	3.739	10.0	21.8

352135 2007 HX_{68} 1 7.2 119.°74 1.°2/ 6.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.86	+24 23.9	1.583	2.400	16.2	21.6
12 13	7 35.90	+24 42.1	1.514	2.410	12.3	21.3
12 23	7 26.90	+25 2.8	1.468	2.419	7.7	21.1
1 2	7 15.77	+25 21.6	1.448	2.427	2.8	20.8
1 12	7 3.95	+25 34.8	1.457	2.436	2.9	20.8
1 22	6 52.97	+25 40.1	1.494	2.444	7.7	21.2
2 1	6 44.19	+25 37.9	1.556	2.451	12.1	21.4
2 11	6 38.50	+25 30.0	1.642	2.459	15.8	21.7

166883 2002 XJ_{90} 1 7.2 4.°18 7.°1/ 8.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 30.44	+ 6 43.2	1.570	2.371	17.1	18.8
12 13	7 27.12	+ 5 50.2	1.500	2.371	14.0	18.6
12 23	7 21.35	+ 5 13.5	1.450	2.372	10.6	18.4
1 2	7 13.85	+ 4 56.3	1.424	2.375	7.8	18.2
1 12	7 5.72	+ 4 59.7	1.423	2.379	7.3	18.2
1 22	6 58.17	+ 5 22.1	1.448	2.384	9.4	18.3
2 1	6 52.30	+ 5 59.9	1.497	2.390	12.6	18.5
2 11	6 48.90	+ 6 47.7	1.568	2.397	15.8	18.7

318208 2004 RN_{175} 1 7.2 104.°80 4.°6/ 8.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.31	+ 8 4.6	2.267	3.038	13.5	20.9
12 13	7 30.64	+ 7 42.2	2.202	3.058	10.7	20.7
12 23	7 23.11	+ 7 31.7	2.159	3.079	7.8	20.6
1 2	7 14.37	+ 7 33.6	2.145	3.099	5.3	20.4
1 12	7 5.28	+ 7 47.4	2.159	3.118	4.8	20.4
1 22	6 56.74	+ 8 11.3	2.203	3.138	6.7	20.6
2 1	6 49.53	+ 8 42.9	2.275	3.156	9.4	20.8
2 11	6 44.27	+ 9 19.2	2.372	3.174	12.0	21.0

207508 2006 JA_{12} 1 7.2 189.°70 1.°0/ 7.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.69	+17 56.4	1.977	2.777	14.1	21.2
12 13	7 33.04	+18 15.8	1.891	2.777	10.8	21.0
12 23	7 24.96	+18 42.9	1.830	2.776	6.9	20.7
1 2	7 15.11	+19 15.5	1.796	2.774	2.7	20.5
1 12	7 4.54	+19 50.4	1.792	2.771	2.3	20.4
1 22	6 54.43	+20 24.6	1.818	2.768	6.5	20.7
2 1	6 45.89	+20 56.2	1.871	2.765	10.5	20.9
2 11	6 39.76	+21 24.0	1.949	2.761	13.9	21.1

194298 2001 UA_{63} 1 7.2 45.°50 1.°3/ 7.4 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.99	+19 16.9	1.217	2.050	19.2	20.0
12 13	7 34.17	+19 15.6	1.162	2.065	14.6	19.7
12 23	7 25.98	+19 23.1	1.128	2.080	9.2	19.5
1 2	7 15.47	+19 36.7	1.117	2.096	3.5	19.2
1 12	7 4.31	+19 52.9	1.132	2.112	3.0	19.2
1 22	6 54.24	+20 8.9	1.173	2.129	8.5	19.6
2 1	6 46.73	+20 23.0	1.238	2.146	13.5	19.9
2 11	6 42.65	+20 34.8	1.324	2.164	17.6	20.2

104172 2000 EE_{82} 1 7.2 293.°09 5.°6/ 5.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.00	+36 56.4	2.128	2.932	13.1	19.7
12 13	7 33.58	+37 46.8	2.045	2.924	10.4	19.5
12 23	7 25.44	+38 31.4	1.986	2.916	7.6	19.4
1 2	7 15.31	+39 3.7	1.954	2.908	5.7	19.2
1 12	7 4.38	+39 18.9	1.950	2.900	6.1	19.2
1 22	6 54.00	+39 15.3	1.975	2.892	8.5	19.4
2 1	6 45.41	+38 54.1	2.025	2.885	11.4	19.5
2 11	6 39.52	+38 19.5	2.098	2.877	14.2	19.7

283765 2003 GP_{48} 1 7.2 159.°60 1.°4/ 7.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.83	+17 10.2	1.881	2.681	14.7	21.0
12 13	7 33.92	+17 23.9	1.803	2.687	11.3	20.8
12 23	7 25.50	+17 45.9	1.748	2.693	7.3	20.6
1 2	7 15.30	+18 14.1	1.721	2.698	3.0	20.3
1 12	7 4.44	+18 45.4	1.724	2.703	2.5	20.3
1 22	6 54.15	+19 17.0	1.756	2.706	6.7	20.6
2 1	6 45.55	+19 46.8	1.815	2.709	10.7	20.8
2 11	6 39.47	+20 13.8	1.899	2.712	14.2	21.1

121333 1999 TF_{3} 1 7.2 38.°95 1.°3/ 6.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.63	+24 41.8	1.871	2.688	14.1	20.2
12 13	7 31.62	+25 4.1	1.797	2.692	10.7	20.0
12 23	7 24.10	+25 28.6	1.746	2.697	6.7	19.8
1 2	7 14.81	+25 51.7	1.722	2.701	2.5	19.5
1 12	7 4.90	+26 10.0	1.728	2.706	2.6	19.5
1 22	6 55.60	+26 21.3	1.761	2.711	6.8	19.8
2 1	6 48.03	+26 25.4	1.822	2.716	10.7	20.0
2 11	6 43.00	+26 23.2	1.906	2.721	14.0	20.3

424755 2008 TO_{42} 1 7.2 335.°41 0.°9/ 7.0 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.44	+25 20.9	2.095	2.905	13.1	21.2
12 13	7 31.97	+25 17.0	2.013	2.904	9.9	21.0
12 23	7 24.20	+25 13.0	1.955	2.904	6.2	20.8
1 2	7 14.83	+25 6.6	1.924	2.903	2.3	20.5
1 12	7 4.91	+24 55.9	1.924	2.903	2.3	20.5
1 22	6 55.56	+24 40.4	1.952	2.902	6.2	20.7
2 1	6 47.79	+24 20.8	2.009	2.902	9.9	21.0
2 11	6 42.35	+23 58.3	2.090	2.901	13.1	21.2

237639 2001 SA_{89} 1 7.2 10.°34 8.°1/ 9.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 30.22	+ 2 14.8	1.658	2.439	17.2	18.9
12 13	7 26.83	+ 1 37.8	1.590	2.443	14.3	18.8
12 23	7 21.11	+ 1 21.4	1.542	2.448	11.3	18.6
1 2	7 13.78	+ 1 28.5	1.517	2.454	8.8	18.5
1 12	7 5.87	+ 1 59.4	1.517	2.462	8.1	18.4
1 22	6 58.51	+ 2 51.2	1.543	2.470	9.7	18.5
2 1	6 52.73	+ 3 58.7	1.594	2.480	12.4	18.7
2 11	6 49.28	+ 5 15.2	1.666	2.490	15.3	18.9

130679 2000 SD_{119} 1 7.2 38.°60 3.°8/ 6.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.71	+28 26.7	1.301	2.137	18.0	19.6
12 13	7 34.96	+29 15.4	1.244	2.147	13.7	19.3
12 23	7 26.63	+30 4.4	1.207	2.158	8.9	19.1
1 2	7 15.76	+30 46.0	1.194	2.169	4.6	18.9
1 12	7 4.08	+31 13.5	1.207	2.181	5.0	18.9
1 22	6 53.45	+31 24.1	1.247	2.193	9.4	19.2
2 1	6 45.46	+31 19.0	1.310	2.205	13.9	19.5
2 11	6 41.08	+31 2.2	1.393	2.218	17.7	19.8

239723 2009 BR_{53} 1 7.2 101.°86 0.°5/ 7.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 34.15	+19 23.1	2.516	3.315	11.5	20.6
12 13	7 29.07	+19 43.7	2.441	3.327	8.7	20.4
12 23	7 22.19	+20 9.3	2.392	3.338	5.4	20.3
1 2	7 14.11	+20 37.6	2.371	3.350	2.0	20.0
1 12	7 5.61	+21 6.5	2.381	3.361	1.7	20.0
1 22	6 57.54	+21 33.9	2.422	3.372	5.1	20.3
2 1	6 50.67	+21 58.4	2.492	3.383	8.3	20.5
2 11	6 45.62	+22 19.5	2.586	3.394	11.0	20.7

379102 2008 YF_{13} 1 7.2 43.°68 0.°5/ 7.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.04	+21 44.0	2.088	2.897	13.2	20.5
12 13	7 30.80	+21 28.6	2.013	2.904	10.0	20.3
12 23	7 23.39	+21 15.5	1.962	2.911	6.3	20.1
1 2	7 14.54	+21 3.4	1.940	2.918	2.3	19.8
1 12	7 5.23	+20 51.4	1.946	2.926	2.0	19.8
1 22	6 56.52	+20 38.8	1.982	2.934	6.0	20.1
2 1	6 49.34	+20 25.7	2.046	2.942	9.6	20.3
2 11	6 44.36	+20 12.6	2.134	2.950	12.7	20.5

412688 2014 OT_{240} 1 7.2 210.°82 0.°8/ 7.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.21	+23 34.7	1.809	2.621	14.8	22.3
12 13	7 34.51	+23 51.7	1.724	2.617	11.2	22.1
12 23	7 26.04	+24 11.8	1.663	2.612	7.1	21.8
1 2	7 15.55	+24 31.6	1.628	2.608	2.5	21.5
1 12	7 4.25	+24 47.5	1.623	2.602	2.5	21.5
1 22	6 53.50	+24 57.1	1.647	2.597	7.1	21.8
2 1	6 44.58	+25 0.3	1.697	2.591	11.4	22.0
2 11	6 38.40	+24 57.9	1.771	2.584	15.0	22.2

445041 2008 RY_{128} 1 7.2 310.°40 4.°6/ 6.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 42.51	+31 24.6	1.402	2.229	17.5	20.5
12 13	7 37.16	+31 57.9	1.328	2.226	13.5	20.2
12 23	7 28.12	+32 27.7	1.276	2.223	9.1	20.0
1 2	7 16.34	+32 46.7	1.248	2.220	5.2	19.7
1 12	7 3.55	+32 48.8	1.247	2.217	5.5	19.8
1 22	6 51.66	+32 32.3	1.272	2.214	9.7	20.0
2 1	6 42.41	+32 0.0	1.321	2.212	14.1	20.2
2 11	6 36.88	+31 17.2	1.391	2.210	18.1	20.5

234410 2001 RJ_{25} 1 7.2 73.°01 6.°5/ 9.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 32.11	+ 1 7.1	2.344	3.092	13.7	20.3
12 13	7 27.63	+ 0 46.6	2.262	3.094	11.4	20.1
12 23	7 21.36	+ 0 42.3	2.203	3.096	9.1	20.0
1 2	7 13.85	+ 0 55.8	2.169	3.098	7.1	19.9
1 12	7 5.86	+ 1 27.3	2.163	3.100	6.6	19.8
1 22	6 58.24	+ 2 14.5	2.185	3.102	7.8	19.9
2 1	6 51.76	+ 3 14.0	2.234	3.104	10.1	20.1
2 11	6 47.05	+ 4 21.2	2.307	3.106	12.4	20.2

230528 2002 XZ_{26} 1 7.2 14.°17 3.°1/ 6.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.06	+27 16.4	1.075	1.926	20.0	19.8
12 13	7 34.30	+27 44.0	1.017	1.928	15.2	19.5
12 23	7 26.52	+28 12.7	0.977	1.932	9.8	19.2
1 2	7 15.80	+28 35.5	0.959	1.937	4.3	18.9
1 12	7 4.10	+28 46.2	0.966	1.943	4.6	19.0
1 22	6 53.55	+28 42.4	0.996	1.950	10.0	19.3
2 1	6 45.99	+28 25.6	1.049	1.958	15.3	19.6
2 11	6 42.46	+28 0.0	1.121	1.967	19.7	19.9

48876 1998 HE_{103} 1 7.2 197.°10 3.°6/ 6.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 44.12	+29 26.6	1.792	2.601	15.0	19.2
12 13	7 37.72	+30 16.7	1.709	2.598	11.5	18.9
12 23	7 28.20	+31 6.8	1.650	2.595	7.6	18.7
1 2	7 16.35	+31 50.0	1.619	2.591	4.2	18.5
1 12	7 3.53	+32 20.5	1.616	2.586	4.6	18.5
1 22	6 51.30	+32 35.1	1.642	2.580	8.3	18.7
2 1	6 41.14	+32 34.4	1.695	2.574	12.3	18.9
2 11	6 34.06	+32 21.7	1.771	2.566	15.7	19.1

159504 2000 WO_{67} 1 7.2 44.°81 0.°2/ 7.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 0.69	+17 10.8	1.129	1.928	22.5	19.8
12 13	7 49.22	+18 30.1	1.124	2.008	16.5	19.7
12 23	7 34.44	+19 56.5	1.140	2.087	10.0	19.5
1 2	7 18.11	+21 20.5	1.184	2.163	3.4	19.4
1 12	7 2.37	+22 33.6	1.257	2.237	2.9	19.5
1 22	6 49.02	+23 31.9	1.360	2.310	8.3	20.1
2 1	6 39.21	+24 15.7	1.489	2.380	12.8	20.5
2 11	6 33.33	+24 47.6	1.640	2.449	16.2	20.9

70368 1999 RN_{202} 1 7.2 108.°35 1.°2/ 7.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.57	+19 32.4	1.765	2.572	15.3	20.0
12 13	7 34.47	+19 21.4	1.698	2.586	11.6	19.8
12 23	7 25.81	+19 15.5	1.653	2.600	7.4	19.6
1 2	7 15.40	+19 13.1	1.636	2.614	2.9	19.4
1 12	7 4.50	+19 12.5	1.647	2.627	2.5	19.4
1 22	6 54.36	+19 12.5	1.688	2.639	6.8	19.7
2 1	6 46.12	+19 12.5	1.756	2.652	10.9	19.9
2 11	6 40.53	+19 12.5	1.848	2.664	14.3	20.2

36313 2000 KE_{67} 1 7.2 135.°88 12.°2/12.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 37.73	−11 0.0	1.925	2.610	18.2	18.8
12 13	7 32.15	−12 3.4	1.860	2.622	16.2	18.7
12 23	7 24.31	−12 40.5	1.813	2.633	14.3	18.6
1 2	7 14.89	−12 45.9	1.788	2.644	12.8	18.5
1 12	7 4.93	−12 17.5	1.786	2.654	12.2	18.5
1 22	6 55.52	−11 17.5	1.808	2.664	12.7	18.6
2 1	6 47.67	− 9 51.4	1.855	2.673	14.2	18.7
2 11	6 42.12	− 8 7.7	1.923	2.681	16.0	18.8

32512 2001 OM_{14} 1 7.2 88.°85 1.°0/ 7.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.94	+18 24.8	1.869	2.674	14.6	19.1
12 13	7 33.08	+18 37.7	1.808	2.695	11.1	18.9
12 23	7 24.85	+18 57.5	1.771	2.717	7.0	18.7
1 2	7 15.06	+19 21.7	1.760	2.738	2.7	18.5
1 12	7 4.82	+19 47.4	1.780	2.759	2.3	18.5
1 22	6 55.32	+20 12.2	1.828	2.780	6.4	18.8
2 1	6 47.56	+20 34.5	1.905	2.800	10.2	19.1
2 11	6 42.26	+20 53.7	2.005	2.820	13.4	19.3

362163 2009 EZ_4 1 7.2 309.°25 1.°4/ 6.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 37.43	+24 1.5	1.483	2.312	16.6	21.2
12 13	7 33.09	+24 26.2	1.398	2.299	12.7	20.9
12 23	7 25.51	+24 55.6	1.334	2.287	8.0	20.6
1 2	7 15.47	+25 25.3	1.295	2.275	3.0	20.3
1 12	7 4.34	+25 50.2	1.284	2.263	3.1	20.2
1 22	6 53.75	+26 7.1	1.299	2.251	8.3	20.5
2 1	6 45.26	+26 14.9	1.339	2.240	13.2	20.8
2 11	6 39.99	+26 14.9	1.401	2.230	17.4	21.0

170978 2005 CX_{36} 1 7.2 183.°70 1.°5/ 7.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.13	+16 29.3	1.944	2.744	14.3	20.6
12 13	7 32.66	+16 49.3	1.861	2.745	11.0	20.4
12 23	7 24.76	+17 18.6	1.800	2.745	7.1	20.2
1 2	7 15.10	+17 54.9	1.768	2.744	3.0	19.9
1 12	7 4.73	+18 35.2	1.765	2.743	2.5	19.9
1 22	6 54.83	+19 16.3	1.791	2.742	6.5	20.2
2 1	6 46.49	+19 55.4	1.845	2.740	10.5	20.4
2 11	6 40.55	+20 31.1	1.924	2.738	14.0	20.6

261662 2005 YA_{123} 1 7.2 357.°09 4.°0/ 6.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.85	+33 17.0	1.557	2.379	16.2	19.5
12 13	7 35.42	+33 9.3	1.482	2.376	12.6	19.3
12 23	7 26.74	+32 53.4	1.429	2.374	8.5	19.0
1 2	7 15.80	+32 24.4	1.401	2.373	4.7	18.8
1 12	7 4.17	+31 39.9	1.400	2.372	4.7	18.8
1 22	6 53.52	+30 41.2	1.427	2.372	8.5	19.0
2 1	6 45.27	+29 32.7	1.479	2.373	12.7	19.3
2 11	6 40.31	+28 20.0	1.554	2.375	16.4	19.5

159606 2001 YN_{105} 1 7.2 85.°85 2.°0/ 7.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 42.46	+18 9.5	1.536	2.346	17.0	19.5
12 13	7 36.06	+17 50.9	1.480	2.369	13.0	19.3
12 23	7 26.83	+17 39.3	1.445	2.391	8.3	19.1
1 2	7 15.76	+17 33.5	1.437	2.414	3.5	18.8
1 12	7 4.26	+17 31.9	1.457	2.435	3.0	18.9
1 22	6 53.76	+17 33.0	1.505	2.457	7.5	19.2
2 1	6 45.46	+17 36.1	1.580	2.478	11.8	19.5
2 11	6 40.11	+17 40.5	1.677	2.498	15.4	19.8

413960 2007 BB_{102} 1 7.2 355.°39 1.°2/ 7.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.16	+22 2.6	1.551	2.374	16.3	19.8
12 13	7 33.16	+21 21.2	1.473	2.371	12.4	19.6
12 23	7 25.24	+20 40.8	1.418	2.368	7.9	19.3
1 2	7 15.29	+20 1.1	1.388	2.367	3.0	19.0
1 12	7 4.64	+19 22.0	1.386	2.366	2.7	19.0
1 22	6 54.75	+18 44.4	1.412	2.365	7.6	19.3
2 1	6 46.92	+18 9.9	1.463	2.366	12.2	19.5
2 11	6 42.02	+17 39.4	1.537	2.367	16.1	19.8

10896 1997 UZ_{14} 1 7.2 336.°10 3.°3/ 6.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.91	+26 48.0	1.262	2.104	18.1	17.9
12 13	7 33.23	+27 33.4	1.187	2.094	13.9	17.6
12 23	7 25.87	+28 22.6	1.132	2.085	9.0	17.3
1 2	7 15.66	+29 8.6	1.100	2.077	4.2	17.0
1 12	7 4.22	+29 43.9	1.094	2.070	4.7	17.0
1 22	6 53.49	+30 4.0	1.114	2.064	9.7	17.2
2 1	6 45.29	+30 8.6	1.156	2.058	14.8	17.5
2 11	6 40.83	+30 0.4	1.218	2.053	19.1	17.8

419125 2009 SP_{227} 1 7.2 109.°56 0.°2/ 7.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 37.16	+21 53.4	2.026	2.834	13.5	21.7
12 13	7 31.79	+22 11.9	1.951	2.842	10.2	21.5
12 23	7 24.12	+22 34.4	1.901	2.850	6.4	21.3
1 2	7 14.85	+22 58.1	1.878	2.857	2.2	21.0
1 12	7 5.03	+23 20.0	1.885	2.865	2.1	21.0
1 22	6 55.77	+23 38.0	1.921	2.872	6.2	21.3
2 1	6 48.09	+23 51.2	1.985	2.879	9.9	21.5
2 11	6 42.74	+23 59.7	2.073	2.886	13.1	21.8

465594 2009 BX_{26} 1 7.2 175.°56 2.°3/ 8.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 34.11	+11 22.5	2.516	3.296	12.0	21.3
12 13	7 29.13	+12 5.7	2.427	3.297	9.4	21.1
12 23	7 22.34	+13 0.8	2.363	3.297	6.3	20.9
1 2	7 14.23	+14 5.9	2.327	3.297	3.3	20.7
1 12	7 5.58	+15 18.0	2.322	3.298	2.6	20.7
1 22	6 57.21	+16 33.1	2.349	3.298	5.4	20.9
2 1	6 49.93	+17 47.6	2.406	3.298	8.5	21.1
2 11	6 44.41	+18 58.7	2.490	3.298	11.3	21.3

285569 2000 OC_9 1 7.2 82.°09 4.°4/ 6.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 48.21	+32 32.6	1.604	2.413	16.5	20.0
12 13	7 40.48	+33 9.2	1.559	2.445	12.6	19.9
12 23	7 29.58	+33 39.5	1.536	2.477	8.4	19.7
1 2	7 16.70	+33 56.9	1.541	2.509	5.0	19.6
1 12	7 3.48	+33 57.2	1.574	2.540	5.2	19.6
1 22	6 51.59	+33 40.3	1.635	2.570	8.5	19.9
2 1	6 42.33	+33 9.8	1.722	2.600	12.1	20.2
2 11	6 36.41	+32 30.8	1.832	2.629	15.2	20.5

448216 2008 UO_{276} 1 7.2 57.°71 0.°6/ 7.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.97	+20 22.4	1.269	2.098	18.8	21.6
12 13	7 35.51	+20 28.9	1.219	2.119	14.2	21.4
12 23	7 26.74	+20 42.7	1.189	2.141	8.9	21.1
1 2	7 15.78	+21 0.4	1.184	2.163	3.2	20.9
1 12	7 4.28	+21 18.0	1.205	2.185	2.8	20.9
1 22	6 53.94	+21 32.9	1.252	2.207	8.2	21.3
2 1	6 46.16	+21 44.1	1.325	2.230	13.0	21.6
2 11	6 41.75	+21 51.7	1.418	2.252	17.0	21.9

27417 Jessjohnson 1 7.2 287.°44 2.°3/ 7.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 34.16	+15 9.4	2.218	3.015	12.9	18.9
12 13	7 29.55	+15 5.3	2.111	2.992	10.0	18.7
12 23	7 22.81	+15 9.1	2.028	2.969	6.7	18.4
1 2	7 14.46	+15 20.4	1.973	2.946	3.3	18.1
1 12	7 5.35	+15 37.8	1.947	2.923	2.9	18.1
1 22	6 56.46	+15 59.7	1.950	2.899	6.2	18.2
2 1	6 48.78	+16 24.2	1.981	2.876	9.9	18.4
2 11	6 43.13	+16 49.7	2.037	2.853	13.2	18.6

28500 2000 CW_{76} 1 7.2 126.°32 3.°8/ 6.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 45.43	+30 54.5	1.649	2.461	16.0	19.3
12 13	7 38.64	+31 26.8	1.584	2.473	12.2	19.1
12 23	7 28.66	+31 55.6	1.541	2.485	8.1	18.9
1 2	7 16.47	+32 14.4	1.525	2.497	4.4	18.7
1 12	7 3.62	+32 18.5	1.538	2.508	4.7	18.7
1 22	6 51.75	+32 7.0	1.579	2.518	8.4	19.0
2 1	6 42.27	+31 42.1	1.646	2.528	12.3	19.2
2 11	6 36.06	+31 8.3	1.735	2.537	15.7	19.5

112652 2002 PB_{85} 1 7.2 67.°80 1.°5/ 7.7 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.77	+16 54.4	1.576	2.387	16.6	19.7
12 13	7 34.00	+17 12.9	1.524	2.414	12.6	19.5
12 23	7 25.54	+17 41.2	1.495	2.442	8.0	19.3
1 2	7 15.33	+18 16.2	1.492	2.469	3.2	19.1
1 12	7 4.70	+18 54.1	1.517	2.496	2.6	19.1
1 22	6 54.97	+19 31.3	1.570	2.523	7.1	19.4
2 1	6 47.31	+20 5.5	1.651	2.550	11.2	19.7
2 11	6 42.43	+20 35.5	1.754	2.577	14.7	20.0

88455 2001 QN_{94} 1 7.2 89.°22 0.°7/ 7.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.44	+23 26.3	1.843	2.655	14.5	20.3
12 13	7 33.62	+23 41.4	1.779	2.671	10.9	20.1
12 23	7 25.29	+23 59.1	1.738	2.687	6.8	19.9
1 2	7 15.26	+24 16.1	1.724	2.703	2.4	19.6
1 12	7 4.74	+24 29.4	1.740	2.719	2.4	19.6
1 22	6 54.97	+24 37.3	1.784	2.734	6.6	19.9
2 1	6 47.04	+24 39.6	1.856	2.750	10.5	20.2
2 11	6 41.70	+24 37.2	1.951	2.765	13.8	20.5

420561 2012 HR_3 1 7.2 150.°48 1.°9/ 6.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 37.32	+25 38.6	2.003	2.816	13.5	21.6
12 13	7 32.13	+26 20.5	1.924	2.817	10.2	21.4
12 23	7 24.47	+27 4.9	1.869	2.818	6.5	21.2
1 2	7 15.03	+27 47.2	1.842	2.819	2.8	21.0
1 12	7 4.89	+28 23.2	1.844	2.820	3.1	21.0
1 22	6 55.26	+28 49.8	1.876	2.821	6.8	21.2
2 1	6 47.25	+29 6.4	1.934	2.822	10.5	21.5
2 11	6 41.69	+29 14.0	2.017	2.823	13.7	21.7

172771 2004 ER_3 1 7.2 348.°51 1.°1/ 6.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 34.86	+21 19.5	1.403	2.237	17.1	19.4
12 13	7 31.20	+22 11.6	1.327	2.231	13.0	19.1
12 23	7 24.36	+23 13.8	1.272	2.226	8.2	18.8
1 2	7 15.10	+24 20.7	1.242	2.222	2.9	18.5
1 12	7 4.80	+25 25.4	1.239	2.218	3.1	18.5
1 22	6 55.07	+26 22.0	1.262	2.215	8.4	18.8
2 1	6 47.45	+27 7.1	1.310	2.214	13.2	19.1
2 11	6 43.04	+27 40.3	1.379	2.213	17.4	19.3

449235 2013 CR_{142} 1 7.2 14.°34 3.°1/ 6.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.25	+26 49.0	1.231	2.072	18.5	20.3
12 13	7 34.10	+27 27.8	1.167	2.074	14.1	20.0
12 23	7 26.28	+28 8.9	1.124	2.077	9.1	19.7
1 2	7 15.77	+28 45.5	1.104	2.081	4.1	19.5
1 12	7 4.29	+29 11.0	1.109	2.085	4.4	19.5
1 22	6 53.76	+29 22.0	1.140	2.091	9.4	19.8
2 1	6 45.89	+29 19.2	1.194	2.097	14.3	20.1
2 11	6 41.73	+29 5.7	1.268	2.103	18.5	20.4

194330 2001 UN_{133} 1 7.2 167.°70 7.°8/ 8.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.40	+ 4 32.5	1.674	2.448	17.4	21.0
12 13	7 33.04	+ 3 34.8	1.598	2.450	14.3	20.8
12 23	7 25.08	+ 2 53.8	1.543	2.452	11.1	20.6
1 2	7 15.26	+ 2 33.1	1.513	2.454	8.5	20.4
1 12	7 4.75	+ 2 34.4	1.509	2.455	8.0	20.4
1 22	6 54.80	+ 2 56.5	1.532	2.456	10.0	20.5
2 1	6 46.59	+ 3 35.7	1.580	2.457	13.1	20.7
2 11	6 40.98	+ 4 26.5	1.650	2.457	16.2	20.9

363013 1993 TH_{17} 1 7.2 84.°03 2.°6/ 6.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 42.38	+27 56.1	1.830	2.640	14.7	21.4
12 13	7 35.84	+28 33.2	1.777	2.667	11.1	21.3
12 23	7 26.66	+29 9.4	1.747	2.694	7.1	21.1
1 2	7 15.74	+29 39.3	1.745	2.720	3.3	20.9
1 12	7 4.40	+29 59.1	1.772	2.746	3.6	21.0
1 22	6 53.97	+30 7.0	1.828	2.771	7.2	21.3
2 1	6 45.58	+30 4.1	1.912	2.796	10.8	21.5
2 11	6 39.95	+29 52.9	2.019	2.821	13.8	21.8

445054 2008 SG_{99} 1 7.2 70.°89 3.°1/ 6.5 15

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 42.66	+26 48.6	1.370	2.197	17.8	21.7
12 13	7 36.90	+27 39.6	1.317	2.217	13.4	21.5
12 23	7 27.72	+28 32.1	1.286	2.236	8.6	21.3
1 2	7 16.19	+29 18.7	1.280	2.256	4.0	21.1
1 12	7 3.99	+29 53.0	1.301	2.276	4.3	21.1
1 22	6 52.90	+30 12.0	1.349	2.295	8.8	21.5
2 1	6 44.40	+30 16.5	1.422	2.315	13.2	21.8
2 11	6 39.38	+30 9.9	1.516	2.334	16.9	22.0

268606 2006 BK_{256} 1 7.2 126.°60 0.°1/ 7.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.25	+21 32.0	2.176	2.982	12.8	21.1
12 13	7 31.01	+21 52.6	2.098	2.987	9.7	20.9
12 23	7 23.61	+22 17.5	2.044	2.993	6.1	20.7
1 2	7 14.72	+22 43.9	2.019	2.998	2.1	20.5
1 12	7 5.28	+23 8.9	2.023	3.003	2.0	20.5
1 22	6 56.32	+23 30.4	2.057	3.008	5.9	20.7
2 1	6 48.80	+23 47.4	2.120	3.012	9.5	21.0
2 11	6 43.45	+23 59.7	2.206	3.017	12.5	21.2

414258 2008 GD_{78} 1 7.2 247.°62 5.°6/ 4.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 41.51	+35 46.3	2.163	2.964	13.1	20.9
12 13	7 35.67	+36 59.4	2.071	2.949	10.4	20.7
12 23	7 26.96	+38 9.3	2.004	2.933	7.6	20.5
1 2	7 16.02	+39 8.8	1.964	2.918	5.8	20.3
1 12	7 4.01	+39 51.4	1.954	2.901	6.3	20.4
1 22	6 52.33	+40 13.7	1.972	2.885	8.8	20.5
2 1	6 42.37	+40 16.1	2.016	2.868	11.8	20.6
2 11	6 35.17	+40 2.1	2.083	2.850	14.6	20.8

242306 2003 WR_{78} 1 7.2 130.°95 0.°1/ 7.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.01	+21 56.0	1.777	2.588	15.0	20.7
12 13	7 34.23	+21 57.2	1.703	2.595	11.4	20.5
12 23	7 25.80	+22 2.0	1.652	2.601	7.2	20.3
1 2	7 15.52	+22 7.8	1.628	2.607	2.5	20.0
1 12	7 4.61	+22 12.2	1.633	2.613	2.3	20.0
1 22	6 54.40	+22 13.7	1.666	2.618	6.9	20.3
2 1	6 46.05	+22 12.0	1.727	2.623	11.0	20.6
2 11	6 40.40	+22 7.8	1.811	2.628	14.6	20.8

39872 1998 DW_{33} 1 7.2 319.°00 0.°9/ 7.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.40	+19 18.2	1.419	2.247	17.2	18.7
12 13	7 32.32	+19 27.2	1.336	2.236	13.3	18.4
12 23	7 25.06	+19 45.1	1.274	2.226	8.5	18.1
1 2	7 15.38	+20 9.4	1.237	2.216	3.2	17.8
1 12	7 4.66	+20 36.5	1.227	2.207	2.7	17.8
1 22	6 54.48	+21 2.8	1.242	2.198	8.2	18.1
2 1	6 46.38	+21 26.2	1.283	2.189	13.2	18.3
2 11	6 41.46	+21 45.7	1.345	2.181	17.6	18.6

170755 2004 CF_{17} 1 7.2 187.°19 2.°0/ 7.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.96	+15 23.5	1.965	2.764	14.2	20.3
12 13	7 31.77	+15 37.6	1.881	2.764	11.0	20.1
12 23	7 24.23	+16 1.4	1.821	2.763	7.2	19.8
1 2	7 14.99	+16 33.4	1.788	2.763	3.3	19.6
1 12	7 5.08	+17 10.8	1.784	2.762	2.7	19.5
1 22	6 55.61	+17 50.5	1.809	2.760	6.5	19.8
2 1	6 47.65	+18 30.0	1.863	2.759	10.4	20.0
2 11	6 42.01	+19 7.3	1.940	2.757	13.8	20.2

282920 2007 OS_5 1 7.2 118.°59 3.°4/ 6.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 43.65	+30 5.3	1.725	2.537	15.4	20.5
12 13	7 37.17	+30 34.3	1.659	2.549	11.7	20.2
12 23	7 27.71	+31 0.5	1.616	2.561	7.7	20.0
1 2	7 16.19	+31 18.3	1.599	2.572	4.0	19.8
1 12	7 4.05	+31 23.4	1.612	2.583	4.3	19.9
1 22	6 52.80	+31 14.6	1.652	2.594	7.9	20.1
2 1	6 43.75	+30 53.9	1.720	2.604	11.8	20.4
2 11	6 37.77	+30 24.9	1.810	2.614	15.1	20.6

357403 2003 UG_{291} 1 7.2 140.°31 3.°9/ 8.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.99	+10 29.0	2.182	2.957	13.8	22.1
12 13	7 32.85	+10 11.8	2.109	2.972	10.8	22.0
12 23	7 24.65	+10 5.2	2.058	2.985	7.6	21.8
1 2	7 15.08	+10 9.5	2.036	2.998	4.7	21.6
1 12	7 5.05	+10 23.7	2.044	3.010	4.2	21.6
1 22	6 55.56	+10 46.2	2.081	3.021	6.7	21.8
2 1	6 47.50	+11 14.7	2.147	3.032	9.8	22.0
2 11	6 41.54	+11 46.6	2.238	3.041	12.6	22.2

329077 2011 BY_{26} 1 7.2 216.°68 3.°7/ 8.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 34.75	+ 9 25.7	2.178	2.958	13.6	20.6
12 13	7 29.89	+ 9 36.9	2.088	2.955	10.8	20.4
12 23	7 22.96	+10 1.4	2.022	2.951	7.6	20.2
1 2	7 14.54	+10 38.9	1.983	2.947	4.6	20.0
1 12	7 5.49	+11 27.4	1.974	2.943	4.0	20.0
1 22	6 56.78	+12 23.7	1.994	2.939	6.5	20.1
2 1	6 49.34	+13 24.4	2.042	2.934	9.8	20.3
2 11	6 43.91	+14 25.7	2.116	2.929	12.9	20.5

10193 Nishimoto 1 7.2 146.°98 0.°2/ 7.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 35.08	+20 59.5	3.042	3.833	9.9	19.9
12 13	7 29.50	+21 11.1	2.963	3.844	7.4	19.7
12 23	7 22.40	+21 25.4	2.909	3.855	4.7	19.6
1 2	7 14.26	+21 40.7	2.886	3.865	1.6	19.3
1 12	7 5.79	+21 55.4	2.894	3.874	1.5	19.3
1 22	6 57.67	+22 8.4	2.934	3.883	4.4	19.6
2 1	6 50.59	+22 18.9	3.004	3.891	7.2	19.8
2 11	6 45.05	+22 26.8	3.101	3.899	9.6	19.9

445079 2008 TQ_{42} 1 7.2 109.°27 0.°5/ 7.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 43.05	+21 49.3	1.582	2.395	16.5	21.4
12 13	7 36.66	+21 37.4	1.516	2.409	12.5	21.2
12 23	7 27.35	+21 28.7	1.473	2.422	7.9	20.9
1 2	7 16.06	+21 21.1	1.456	2.435	2.8	20.6
1 12	7 4.20	+21 12.5	1.468	2.448	2.5	20.6
1 22	6 53.26	+21 2.3	1.508	2.460	7.4	21.0
2 1	6 44.52	+20 50.7	1.575	2.472	11.8	21.3
2 11	6 38.79	+20 38.8	1.664	2.484	15.5	21.5

476423 2008 DE_{55} 1 7.2 220.°21 19.°0/14.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.02	−17 24.6	1.280	1.967	25.8	21.7
12 13	7 35.29	−18 41.5	1.210	1.962	23.8	21.5
12 23	7 27.07	−19 17.4	1.152	1.956	21.7	21.3
1 2	7 16.15	−19 0.3	1.109	1.950	20.0	21.2
1 12	7 3.98	−17 42.9	1.085	1.943	19.0	21.1
1 22	6 52.34	−15 27.4	1.080	1.936	19.3	21.1
2 1	6 42.94	−12 24.2	1.095	1.928	20.9	21.2
2 11	6 37.01	− 8 51.2	1.130	1.920	23.2	21.3

446963 2003 TK 1 7.2 215.°97 1.°0/ 7.5 15

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 44.67	+18 56.7	2.163	2.949	13.5	24.3
12 13	7 37.55	+18 58.8	2.060	2.937	10.4	24.1
12 23	7 27.89	+19 5.9	1.980	2.923	6.7	23.8
1 2	7 16.32	+19 16.2	1.930	2.907	2.6	23.5
1 12	7 3.87	+19 27.4	1.911	2.890	2.3	23.5
1 22	6 51.75	+19 37.8	1.924	2.872	6.5	23.7
2 1	6 41.13	+19 46.6	1.967	2.852	10.5	23.9
2 11	6 32.93	+19 53.6	2.034	2.830	14.0	24.1

185931 2000 UK_{27} 1 7.2 82.°04 0.°2/ 7.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.48	+19 40.5	1.974	2.778	14.0	20.2
12 13	7 32.68	+20 10.5	1.915	2.803	10.5	20.0
12 23	7 24.63	+20 46.4	1.880	2.828	6.6	19.8
1 2	7 15.08	+21 25.0	1.873	2.852	2.3	19.6
1 12	7 5.10	+22 2.8	1.896	2.876	2.0	19.6
1 22	6 55.81	+22 37.0	1.949	2.900	6.1	19.9
2 1	6 48.19	+23 5.9	2.030	2.923	9.8	20.2
2 11	6 42.91	+23 29.3	2.135	2.946	12.8	20.4

413690 2005 XS_{58} 1 7.2 29.°52 0.°7/ 7.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.82	+20 28.8	1.859	2.671	14.4	21.4
12 13	7 31.76	+20 26.1	1.781	2.673	11.0	21.2
12 23	7 24.25	+20 28.1	1.726	2.674	6.9	20.9
1 2	7 15.00	+20 32.9	1.697	2.676	2.6	20.7
1 12	7 5.13	+20 38.4	1.698	2.678	2.2	20.6
1 22	6 55.84	+20 43.2	1.727	2.680	6.6	20.9
2 1	6 48.23	+20 46.4	1.783	2.682	10.6	21.2
2 11	6 43.09	+20 48.1	1.863	2.684	14.1	21.4

265025 2003 JG_{17} 1 7.2 200.°16 0.°1/ 7.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.59	+20 49.4	2.752	3.544	10.8	21.7
12 13	7 30.92	+21 8.9	2.657	3.539	8.2	21.5
12 23	7 23.45	+21 32.1	2.589	3.534	5.1	21.3
1 2	7 14.69	+21 57.0	2.550	3.528	1.8	21.1
1 12	7 5.40	+22 21.3	2.542	3.522	1.6	21.1
1 22	6 56.41	+22 43.2	2.566	3.514	5.0	21.3
2 1	6 48.51	+23 1.7	2.619	3.506	8.1	21.5
2 11	6 42.36	+23 16.5	2.699	3.498	10.8	21.7

193858 2001 QD_{127} 1 7.2 141.°20 1.°9/ 7.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 42.21	+17 20.2	1.835	2.633	15.2	21.3
12 13	7 35.68	+17 9.3	1.763	2.645	11.6	21.1
12 23	7 26.61	+17 5.1	1.714	2.657	7.5	20.8
1 2	7 15.80	+17 6.4	1.693	2.669	3.3	20.6
1 12	7 4.44	+17 11.7	1.701	2.679	2.8	20.6
1 22	6 53.78	+17 19.3	1.739	2.689	6.9	20.9
2 1	6 44.95	+17 28.2	1.805	2.697	10.8	21.1
2 11	6 38.73	+17 37.5	1.894	2.706	14.3	21.4

45672 2000 EE_{109} 1 7.2 103.°31 2.°2/ 7.7 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 37.48	+16 40.9	2.384	3.173	12.3	18.6
12 13	7 31.53	+16 10.2	2.312	3.190	9.4	18.5
12 23	7 23.74	+15 44.4	2.266	3.206	6.2	18.3
1 2	7 14.74	+15 23.4	2.249	3.222	3.1	18.1
1 12	7 5.42	+15 7.0	2.262	3.237	2.7	18.1
1 22	6 56.66	+14 54.9	2.306	3.252	5.6	18.3
2 1	6 49.25	+14 46.7	2.379	3.267	8.7	18.5
2 11	6 43.78	+14 41.7	2.477	3.282	11.5	18.8

315574 2008 CX_{58} 1 7.2 217.°98 1.°9/ 7.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 37.07	+16 29.8	1.920	2.723	14.4	21.4
12 13	7 31.93	+16 31.5	1.834	2.719	11.1	21.2
12 23	7 24.38	+16 41.4	1.772	2.716	7.2	20.9
1 2	7 15.07	+16 58.3	1.736	2.712	3.2	20.7
1 12	7 5.06	+17 20.0	1.730	2.708	2.7	20.6
1 22	6 55.51	+17 44.3	1.752	2.703	6.7	20.9
2 1	6 47.51	+18 9.2	1.802	2.699	10.6	21.1
2 11	6 41.90	+18 33.2	1.876	2.694	14.1	21.3

144167 2004 BQ_{106} 1 7.2 182.°04 3.°6/ 6.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 43.80	+32 48.1	1.985	2.788	14.0	19.8
12 13	7 37.07	+32 57.6	1.905	2.788	10.8	19.6
12 23	7 27.57	+33 1.4	1.848	2.789	7.3	19.4
1 2	7 16.16	+32 54.6	1.819	2.789	4.1	19.2
1 12	7 4.13	+32 34.3	1.819	2.788	4.3	19.2
1 22	6 52.86	+32 0.5	1.849	2.787	7.5	19.4
2 1	6 43.58	+31 15.7	1.907	2.786	11.1	19.6
2 11	6 37.12	+30 24.2	1.988	2.785	14.2	19.8

306816 2001 QK_{194} 1 7.2 114.°47 4.°0/ 6.7 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 49.03	+33 0.4	1.741	2.543	15.7	20.7
12 13	7 41.06	+33 15.2	1.681	2.564	12.0	20.5
12 23	7 30.01	+33 23.2	1.644	2.584	8.1	20.3
1 2	7 16.96	+33 18.7	1.634	2.603	4.6	20.1
1 12	7 3.49	+32 58.4	1.653	2.621	4.7	20.2
1 22	6 51.19	+32 23.1	1.702	2.639	8.1	20.4
2 1	6 41.37	+31 36.3	1.778	2.656	11.8	20.7
2 11	6 34.79	+30 43.5	1.877	2.673	15.0	20.9

273063 2006 DC_{190} 1 7.2 176.°48 3.°5/ 8.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 34.12	+10 30.2	2.399	3.179	12.5	21.4
12 13	7 29.18	+10 26.3	2.314	3.180	9.9	21.2
12 23	7 22.40	+10 32.7	2.252	3.181	6.9	21.0
1 2	7 14.33	+10 49.5	2.218	3.181	4.2	20.8
1 12	7 5.77	+11 15.5	2.213	3.182	3.7	20.8
1 22	6 57.56	+11 48.7	2.239	3.182	6.1	20.9
2 1	6 50.53	+12 26.7	2.293	3.182	9.0	21.1
2 11	6 45.30	+13 7.1	2.372	3.181	11.8	21.3

461052 2014 XG_{19} 1 7.2 160.°33 4.°7/ 5.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.45	+34 31.5	2.265	3.066	12.5	21.0
12 13	7 34.46	+35 31.9	2.190	3.070	9.8	20.8
12 23	7 25.94	+36 28.3	2.140	3.074	6.9	20.6
1 2	7 15.62	+37 14.6	2.118	3.077	4.9	20.5
1 12	7 4.59	+37 46.1	2.126	3.080	5.3	20.5
1 22	6 54.09	+38 0.6	2.163	3.083	7.7	20.7
2 1	6 45.26	+37 58.9	2.226	3.085	10.6	20.9
2 11	6 38.93	+37 44.2	2.313	3.087	13.2	21.0

76316 2000 EY_{140} 1 7.2 322.°40 2.°7/ 6.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 37.91	+26 15.4	1.629	2.453	15.6	19.2
12 13	7 33.24	+27 7.2	1.550	2.448	11.9	18.9
12 23	7 25.54	+28 2.5	1.494	2.444	7.6	18.7
1 2	7 15.56	+28 55.5	1.463	2.440	3.5	18.4
1 12	7 4.62	+29 39.8	1.461	2.436	3.9	18.4
1 22	6 54.24	+30 11.5	1.486	2.432	8.2	18.7
2 1	6 45.85	+30 29.6	1.537	2.428	12.5	18.9
2 11	6 40.49	+30 35.7	1.609	2.425	16.2	19.1

286067 2001 SB_{312} 1 7.2 79.°52 4.°6/ 8.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.43	+10 47.4	1.800	2.594	15.6	20.7
12 13	7 31.39	+10 17.4	1.728	2.601	12.3	20.5
12 23	7 23.97	+ 9 59.4	1.677	2.608	8.7	20.3
1 2	7 14.91	+ 9 54.3	1.652	2.615	5.5	20.1
1 12	7 5.28	+10 1.9	1.655	2.622	4.9	20.1
1 22	6 56.24	+10 20.4	1.686	2.629	7.7	20.3
2 1	6 48.83	+10 47.2	1.744	2.636	11.2	20.5
2 11	6 43.82	+11 19.2	1.825	2.643	14.4	20.7

84275 2002 TF_{14} 1 7.2 13.°95 9.°6/ 5.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 48.00	+49 55.6	2.029	2.796	14.9	19.1
12 13	7 40.87	+50 39.0	1.964	2.798	12.8	19.0
12 23	7 30.17	+51 5.0	1.920	2.801	10.9	18.8
1 2	7 17.08	+51 5.5	1.901	2.803	9.7	18.8
1 12	7 3.39	+50 35.7	1.907	2.806	9.9	18.8
1 22	6 50.95	+49 36.5	1.939	2.810	11.3	18.9
2 1	6 41.29	+48 13.3	1.996	2.814	13.3	19.0
2 11	6 35.26	+46 34.5	2.074	2.818	15.4	19.2

194506 2001 WD_{90} 1 7.2 101.°20 4.°8/ 6.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 44.72	+32 2.2	1.557	2.374	16.5	20.5
12 13	7 38.38	+32 53.9	1.497	2.388	12.7	20.3
12 23	7 28.66	+33 41.8	1.460	2.402	8.6	20.1
1 2	7 16.60	+34 17.9	1.448	2.416	5.3	20.0
1 12	7 3.82	+34 36.5	1.464	2.430	5.7	20.0
1 22	6 52.06	+34 35.6	1.508	2.443	9.1	20.2
2 1	6 42.81	+34 17.9	1.577	2.456	13.0	20.5
2 11	6 36.99	+33 48.2	1.667	2.469	16.3	20.8

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
359077	2008 YX_{141}		1 7.2	39.°13	1.°3/	6.9 17
	h m	° ′			°	m
12 3	7 38.53	+22 42.2	1.199	2.039	19.0	20.7
12 13	7 34.09	+23 20.2	1.147	2.054	14.4	20.5
12 23	7 26.13	+24 4.7	1.115	2.070	9.0	20.2
1 2	7 15.73	+24 50.0	1.107	2.086	3.2	19.9
1 12	7 4.61	+25 29.6	1.124	2.104	3.3	20.0
1 22	6 54.57	+25 59.4	1.167	2.122	8.7	20.4
2 1	6 47.17	+26 18.3	1.234	2.140	13.7	20.7
2 11	6 43.31	+26 27.8	1.321	2.159	17.8	21.0
479179	2013 CR_{53}		1 7.2	228.°42	0.°7/	7.6 17
12 3	7 29.85	+18 35.9	3.718	4.507	8.3	21.8
12 13	7 25.46	+18 43.1	3.620	4.500	6.3	21.6
12 23	7 19.86	+18 53.6	3.548	4.492	4.0	21.5
1 2	7 13.42	+19 6.6	3.507	4.484	1.6	21.3
1 12	7 6.65	+19 21.0	3.496	4.475	1.3	21.3
1 22	7 0.08	+19 35.7	3.518	4.467	3.7	21.4
2 1	6 54.23	+19 49.9	3.569	4.458	6.1	21.6
2 11	6 49.55	+20 3.1	3.647	4.449	8.2	21.7
405632	2005 TZ_9		1 7.2	51.°06	7.°1/	6.5 18
12 3	7 46.00	+39 36.1	1.573	2.382	16.8	20.5
12 13	7 39.27	+40 9.7	1.525	2.403	13.3	20.3
12 23	7 29.08	+40 30.7	1.497	2.425	9.9	20.1
1 2	7 16.67	+40 31.4	1.495	2.447	7.4	20.1
1 12	7 3.85	+40 7.8	1.519	2.469	7.5	20.1
1 22	6 52.43	+39 21.4	1.570	2.492	10.0	20.3
2 1	6 43.81	+38 17.7	1.646	2.515	13.1	20.6
2 11	6 38.73	+37 4.1	1.744	2.538	16.0	20.8
151567	2002 TW_{184}		1 7.2	105.°32	0.°2/	7.3 17
12 3	7 42.73	+21 22.4	1.452	2.270	17.4	20.8
12 13	7 36.73	+21 27.8	1.388	2.283	13.2	20.6
12 23	7 27.56	+21 38.5	1.346	2.296	8.3	20.3
1 2	7 16.21	+21 51.3	1.329	2.308	2.9	20.0
1 12	7 4.18	+22 2.6	1.340	2.321	2.6	20.0
1 22	6 53.09	+22 10.5	1.379	2.332	7.8	20.4
2 1	6 44.34	+22 14.3	1.444	2.344	12.5	20.7
2 11	6 38.82	+22 14.9	1.531	2.355	16.4	21.0
410777	2009 FD		1 7.3	162.°87	4.°1/	6.8 15
12 3	8 23.99	+25 27.5	0.876	1.672	27.8	24.2
12 13	8 11.11	+26 42.6	0.814	1.695	21.5	23.8
12 23	7 50.90	+28 5.6	0.770	1.713	13.9	23.5
1 2	7 24.76	+29 16.6	0.750	1.726	6.0	23.1
1 12	6 56.48	+29 56.1	0.759	1.734	6.3	23.2
1 22	6 30.79	+29 58.6	0.796	1.738	14.0	23.6
2 1	6 11.26	+29 34.3	0.857	1.736	21.0	24.0
2 11	5 59.20	+28 58.3	0.936	1.730	26.6	24.3
265790	2005 WD_{155}		1 7.3	96.°81	1.°4/	6.8 18
12 3	7 38.07	+24 36.8	1.979	2.790	13.7	21.1
12 13	7 32.61	+25 7.4	1.908	2.800	10.3	20.9
12 23	7 24.74	+25 40.4	1.862	2.811	6.5	20.7
1 2	7 15.20	+26 11.8	1.843	2.821	2.5	20.5
1 12	7 5.08	+26 37.9	1.853	2.831	2.6	20.5
1 22	6 55.57	+26 56.6	1.893	2.841	6.5	20.7
2 1	6 47.74	+27 7.3	1.960	2.851	10.2	21.0
2 11	6 42.36	+27 10.9	2.051	2.860	13.4	21.2
240226	2002 TO_{66}		1 7.3	84.°51	2.°5/	7.5 18
12 3	7 39.32	+17 33.7	2.250	3.042	12.9	19.9
12 13	7 33.02	+16 38.5	2.174	3.052	9.9	19.8
12 23	7 24.73	+15 46.5	2.124	3.063	6.5	19.6
1 2	7 15.13	+14 58.5	2.102	3.074	3.3	19.4
1 12	7 5.18	+14 15.4	2.110	3.084	3.1	19.4
1 22	6 55.84	+13 38.2	2.150	3.095	6.1	19.6
2 1	6 47.97	+13 7.2	2.218	3.105	9.4	19.8
2 11	6 42.19	+12 42.4	2.312	3.116	12.2	20.0
337236	2000 HM_{59}		1 7.3	227.°17	1.°0/	7.6 17
12 3	7 34.66	+18 39.4	2.759	3.551	10.8	21.6
12 13	7 29.48	+18 40.1	2.660	3.541	8.2	21.4
12 23	7 22.56	+18 45.1	2.587	3.531	5.3	21.2
1 2	7 14.42	+18 53.1	2.543	3.520	2.1	21.0
1 12	7 5.76	+19 2.9	2.530	3.509	1.8	21.0
1 22	6 57.39	+19 13.2	2.548	3.498	5.0	21.2
2 1	6 50.07	+19 23.2	2.596	3.486	8.0	21.3
2 11	6 44.41	+19 32.3	2.669	3.474	10.8	21.5
475807	2006 YZ_{15}		1 7.3	125.°59	8.°4/	3.6 18
12 3	7 50.29	+28 43.6	1.127	1.956	20.7	21.1
12 13	7 44.54	+32 0.2	1.068	1.965	16.0	20.9
12 23	7 33.79	+35 27.7	1.031	1.974	11.3	20.6
1 2	7 18.81	+38 44.4	1.021	1.982	8.4	20.5
1 12	7 1.64	+41 27.8	1.038	1.989	10.0	20.6
1 22	6 45.16	+43 24.8	1.082	1.996	14.2	20.9
2 1	6 32.13	+44 35.5	1.148	2.003	18.6	21.2
2 11	6 24.30	+45 9.3	1.232	2.009	22.3	21.4

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
34554	2000 ST_{251}		1 7.3	175.°17	0.°4/	7.4 18
	h m	° ′			°	m
12 3	7 33.84	+20 12.4	2.902	3.697	10.2	19.9
12 13	7 28.73	+20 22.2	2.816	3.698	7.7	19.7
12 23	7 22.02	+20 35.4	2.754	3.700	4.9	19.6
1 2	7 14.21	+20 50.6	2.723	3.701	1.8	19.3
1 12	7 5.99	+21 6.0	2.722	3.702	1.5	19.3
1 22	6 58.10	+21 20.3	2.752	3.702	4.6	19.5
2 1	6 51.23	+21 32.8	2.812	3.702	7.5	19.7
2 11	6 45.94	+21 43.0	2.898	3.702	10.0	19.9
400870	2010 OP_{40}		1 7.3	102.°47	6.°3/	9.5 18
12 3	7 38.05	+ 3 30.9	2.105	2.859	14.9	21.8
12 13	7 32.11	+ 3 4.3	2.045	2.884	12.2	21.7
12 23	7 24.19	+ 2 53.7	2.006	2.909	9.3	21.5
1 2	7 14.97	+ 3 0.5	1.994	2.933	6.9	21.5
1 12	7 5.40	+ 3 24.3	2.011	2.957	6.3	21.5
1 22	6 56.44	+ 4 2.4	2.056	2.980	7.9	21.6
2 1	6 48.95	+ 4 51.3	2.129	3.002	10.4	21.8
2 11	6 43.53	+ 5 46.7	2.226	3.023	12.9	22.0
472722	2015 FN_{71}		1 7.3	248.°00	4.°7/	5.3 17
12 3	7 37.33	+38 38.4	2.958	3.746	10.2	21.5
12 13	7 31.73	+39 20.8	2.868	3.735	8.2	21.3
12 23	7 24.09	+39 57.5	2.803	3.724	6.1	21.2
1 2	7 15.00	+40 23.9	2.767	3.713	4.8	21.1
1 12	7 5.31	+40 36.9	2.760	3.701	5.1	21.1
1 22	6 55.98	+40 35.2	2.783	3.690	6.8	21.2
2 1	6 47.92	+40 19.4	2.833	3.678	9.0	21.3
2 11	6 41.83	+39 52.3	2.907	3.666	11.1	21.4
233183	2005 WW_{55}		1 7.3	121.°01	0.°2/	7.3 18
12 3	7 44.30	+21 43.9	1.784	2.586	15.3	20.8
12 13	7 37.30	+21 45.7	1.720	2.607	11.6	20.6
12 23	7 27.64	+21 50.9	1.679	2.626	7.3	20.4
1 2	7 16.21	+21 56.7	1.665	2.644	2.6	20.1
1 12	7 4.31	+22 0.7	1.682	2.662	2.2	20.1
1 22	6 53.26	+22 1.6	1.728	2.679	6.8	20.4
2 1	6 44.23	+21 59.3	1.803	2.695	10.9	20.7
2 11	6 37.98	+21 54.7	1.900	2.710	14.3	21.0
117104	2004 OB_4		1 7.3	152.°95	3.°7/	8.4 18
12 3	7 39.66	+11 8.6	1.894	2.679	15.2	20.8
12 13	7 33.77	+11 9.7	1.817	2.687	11.9	20.6
12 23	7 25.48	+11 23.6	1.763	2.696	8.2	20.4
1 2	7 15.50	+11 49.7	1.736	2.703	4.7	20.2
1 12	7 4.89	+12 26.0	1.738	2.710	4.0	20.1
1 22	6 54.83	+13 9.3	1.770	2.715	7.1	20.3
2 1	6 46.39	+13 56.5	1.829	2.721	10.8	20.6
2 11	6 40.37	+14 44.2	1.913	2.725	14.1	20.8
155195	2005 UG_{396}		1 7.3	330.°69	1.°6/	7.7 18
12 3	7 35.80	+17 30.7	1.810	2.621	14.8	20.2
12 13	7 31.13	+17 35.1	1.728	2.618	11.4	20.0
12 23	7 23.97	+17 47.5	1.669	2.615	7.3	19.7
1 2	7 15.01	+18 6.4	1.636	2.613	3.1	19.5
1 12	7 5.33	+18 29.3	1.631	2.610	2.6	19.4
1 22	6 56.16	+18 53.8	1.655	2.608	6.8	19.7
2 1	6 48.61	+19 17.9	1.706	2.606	10.9	19.9
2 11	6 43.55	+19 40.2	1.780	2.605	14.5	20.1
282977	2007 TW_{39}		1 7.3	80.°81	4.°5/	8.8 18
12 3	7 33.47	+ 8 20.6	2.334	3.109	13.0	21.0
12 13	7 28.66	+ 7 58.5	2.260	3.120	10.4	20.8
12 23	7 22.07	+ 7 47.7	2.210	3.131	7.5	20.6
1 2	7 14.26	+ 7 48.9	2.186	3.141	5.1	20.5
1 12	7 6.05	+ 8 1.8	2.191	3.152	4.6	20.5
1 22	6 58.28	+ 8 24.8	2.226	3.162	6.6	20.6
2 1	6 51.72	+ 8 55.5	2.288	3.172	9.2	20.8
2 11	6 46.98	+ 9 31.2	2.375	3.183	11.8	21.0
310954	2003 UY_{54}		1 7.3	47.°03	2.°3/	7.6 17
12 3	7 40.11	+18 25.1	1.311	2.136	18.5	20.4
12 13	7 34.73	+17 54.5	1.260	2.157	14.1	20.2
12 23	7 26.25	+17 31.5	1.230	2.179	9.1	19.9
1 2	7 15.75	+17 15.6	1.224	2.201	4.0	19.7
1 12	7 4.80	+17 5.6	1.245	2.223	3.4	19.7
1 22	6 54.97	+17 0.4	1.292	2.246	8.1	20.1
2 1	6 47.55	+16 59.0	1.364	2.269	12.7	20.4
2 11	6 43.30	+17 0.4	1.458	2.293	16.5	20.7
489138	2006 DO_{123}		1 7.3	269.°35	1.°8/	6.9 17
12 3	7 40.90	+25 57.8	1.655	2.473	15.6	22.4
12 13	7 35.61	+26 15.7	1.560	2.455	12.0	22.1
12 23	7 27.15	+26 35.3	1.488	2.437	7.7	21.8
1 2	7 16.24	+26 52.1	1.441	2.419	3.1	21.5
1 12	7 4.19	+27 1.7	1.423	2.401	3.3	21.5
1 22	6 52.59	+27 1.7	1.432	2.382	8.1	21.7
2 1	6 42.97	+26 52.1	1.468	2.363	12.7	22.0
2 11	6 36.45	+26 35.5	1.526	2.343	16.8	22.2

21695 Hannahwolf 1 7.3 121.°87 0.°2/ 7.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.89	+20 19.2	1.935	2.737	14.3	19.4
12 13	7 34.66	+20 41.2	1.868	2.754	10.8	19.2
12 23	7 25.99	+21 8.6	1.824	2.771	6.8	19.0
1 2	7 15.67	+21 38.3	1.808	2.787	2.4	18.8
1 12	7 4.82	+22 7.0	1.822	2.802	2.1	18.8
1 22	6 54.64	+22 32.1	1.866	2.817	6.4	19.1
2 1	6 46.21	+22 52.5	1.939	2.831	10.2	19.4
2 11	6 40.26	+23 8.1	2.035	2.844	13.5	19.6

409435 2005 NC_{107} 1 7.3 295.°42 1.°2/ 7.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.53	+17 45.8	1.324	2.150	18.3	21.1
12 13	7 34.15	+18 6.9	1.245	2.144	14.1	20.8
12 23	7 26.37	+18 40.4	1.187	2.138	9.1	20.5
1 2	7 15.98	+19 23.4	1.153	2.132	3.5	20.2
1 12	7 4.45	+20 10.7	1.145	2.126	2.9	20.1
1 22	6 53.51	+20 57.5	1.164	2.120	8.6	20.4
2 1	6 44.82	+21 39.9	1.207	2.114	13.9	20.7
2 11	6 39.55	+22 16.2	1.272	2.109	18.4	21.0

252228 2001 ON_{63} 1 7.3 74.°52 0.°9/ 7.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 44.34	+25 52.6	1.749	2.558	15.3	20.5
12 13	7 37.22	+25 40.4	1.697	2.587	11.5	20.3
12 23	7 27.48	+25 27.1	1.668	2.616	7.2	20.1
1 2	7 16.13	+25 10.3	1.666	2.645	2.6	19.9
1 12	7 4.51	+24 48.4	1.694	2.673	2.5	20.0
1 22	6 53.98	+24 21.7	1.752	2.701	6.8	20.3
2 1	6 45.59	+23 52.1	1.836	2.729	10.7	20.6
2 11	6 40.00	+23 21.5	1.945	2.756	13.9	20.8

175532 2006 SK_{122} 1 7.3 137.°69 2.°1/ 6.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 43.49	+29 4.1	2.083	2.884	13.5	20.5
12 13	7 36.54	+29 5.0	2.009	2.894	10.2	20.3
12 23	7 27.12	+29 2.8	1.960	2.905	6.6	20.1
1 2	7 16.05	+28 53.9	1.939	2.915	3.0	19.9
1 12	7 4.52	+28 36.4	1.949	2.924	3.0	19.9
1 22	6 53.75	+28 10.0	1.989	2.933	6.6	20.1
2 1	6 44.82	+27 36.7	2.057	2.942	10.1	20.4
2 11	6 38.46	+26 59.3	2.150	2.949	13.2	20.6

151944 2004 FL_{97} 1 7.3 301.°71 3.°7/ 8.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 37.24	+12 21.2	1.353	2.168	18.6	20.4
12 13	7 33.02	+12 30.3	1.273	2.162	14.6	20.1
12 23	7 25.59	+12 56.9	1.214	2.156	10.0	19.8
1 2	7 15.70	+13 40.2	1.178	2.150	5.3	19.6
1 12	7 4.72	+14 36.9	1.168	2.144	4.3	19.5
1 22	6 54.28	+15 41.5	1.185	2.139	8.7	19.7
2 1	6 45.93	+16 48.3	1.227	2.133	13.7	20.0
2 11	6 40.79	+17 52.8	1.290	2.128	18.1	20.2

284875 2009 DG_{41} 1 7.3 350.°70 2.°1/ 8.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 32.91	+14 24.1	2.206	3.004	12.9	20.3
12 13	7 28.54	+14 41.8	2.121	3.002	10.0	20.1
12 23	7 22.16	+15 9.1	2.060	3.001	6.6	19.9
1 2	7 14.35	+15 44.7	2.026	3.000	3.2	19.6
1 12	7 5.98	+16 26.4	2.022	2.999	2.6	19.6
1 22	6 57.96	+17 11.1	2.047	2.998	5.8	19.8
2 1	6 51.21	+17 56.1	2.100	2.997	9.3	20.0
2 11	6 46.42	+18 39.3	2.178	2.997	12.4	20.2

179913 2002 VU_{29} 1 7.3 44.°28 1.°8/ 7.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 37.62	+18 17.0	1.549	2.367	16.5	19.4
12 13	7 32.69	+18 5.0	1.482	2.376	12.6	19.2
12 23	7 24.99	+18 0.3	1.438	2.386	8.1	18.9
1 2	7 15.36	+18 1.6	1.419	2.396	3.4	18.7
1 12	7 5.13	+18 7.2	1.428	2.407	2.9	18.7
1 22	6 55.67	+18 15.1	1.464	2.417	7.4	19.0
2 1	6 48.20	+18 24.1	1.525	2.428	11.8	19.3
2 11	6 43.55	+18 33.3	1.610	2.439	15.5	19.5

33182 1998 FT_{26} 1 7.3 266.°33 7.°2/ 5.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 43.49	+41 7.0	2.009	2.804	14.1	19.4
12 13	7 37.41	+42 0.9	1.927	2.794	11.5	19.2
12 23	7 28.15	+42 45.5	1.868	2.784	9.0	19.0
1 2	7 16.55	+43 12.9	1.835	2.775	7.3	18.9
1 12	7 4.01	+43 17.3	1.829	2.765	7.7	18.9
1 22	6 52.16	+42 57.3	1.851	2.755	9.9	19.0
2 1	6 42.47	+42 15.7	1.898	2.745	12.6	19.1
2 11	6 35.94	+41 18.5	1.966	2.735	15.3	19.3

395808 2012 XO_{21} 1 7.3 341.°86 1.°6/ 7.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.57	+18 37.6	1.326	2.154	18.2	21.3
12 13	7 34.06	+18 32.8	1.252	2.151	14.0	21.1
12 23	7 26.21	+18 37.0	1.198	2.149	9.1	20.8
1 2	7 15.90	+18 48.1	1.169	2.147	3.7	20.4
1 12	7 4.62	+19 3.3	1.165	2.145	3.1	20.4
1 22	6 54.07	+19 19.9	1.188	2.144	8.5	20.7
2 1	6 45.81	+19 35.9	1.235	2.143	13.6	21.0
2 11	6 40.89	+19 50.4	1.304	2.142	17.9	21.3

202438 2005 XU_{79} 1 7.3 314.°12 3.°4/ 6.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.77	+28 26.0	1.328	2.164	17.7	20.2
12 13	7 34.72	+28 52.3	1.243	2.147	13.7	19.9
12 23	7 26.96	+29 18.9	1.177	2.129	9.0	19.6
1 2	7 16.26	+29 39.5	1.136	2.112	4.3	19.3
1 12	7 4.23	+29 47.9	1.121	2.096	4.6	19.3
1 22	6 52.81	+29 41.2	1.130	2.080	9.6	19.5
2 1	6 43.84	+29 20.4	1.164	2.065	14.7	19.7
2 11	6 38.62	+28 49.6	1.217	2.051	19.2	20.0

451736 2013 ES_{24} 1 7.3 320.°46 4.°3/ 6.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.53	+29 28.5	1.365	2.200	17.4	21.1
12 13	7 34.45	+30 17.4	1.285	2.188	13.5	20.8
12 23	7 26.73	+31 7.3	1.226	2.176	9.0	20.5
1 2	7 16.17	+31 50.4	1.190	2.164	5.0	20.3
1 12	7 4.33	+32 19.4	1.181	2.153	5.5	20.3
1 22	6 53.14	+32 30.1	1.197	2.142	9.9	20.5
2 1	6 44.38	+32 23.0	1.237	2.132	14.6	20.7
2 11	6 39.31	+32 2.2	1.297	2.123	18.7	21.0

395794 2012 WO_{18} 1 7.3 234.°25 3.°0/ 7.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.69	+17 2.5	1.462	2.276	17.5	21.1
12 13	7 35.32	+16 27.0	1.383	2.274	13.6	20.9
12 23	7 26.83	+15 58.6	1.327	2.272	9.0	20.6
1 2	7 16.09	+15 37.5	1.295	2.269	4.4	20.3
1 12	7 4.48	+15 23.4	1.290	2.267	3.9	20.3
1 22	6 53.58	+15 15.7	1.313	2.264	8.4	20.5
2 1	6 44.82	+15 13.6	1.361	2.262	13.1	20.8
2 11	6 39.17	+15 16.0	1.431	2.259	17.2	21.1

336611 2009 UK_{87} 1 7.3 48.°00 2.°1/ 7.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 41.42	+19 31.6	1.128	1.963	20.3	20.4
12 13	7 36.28	+18 59.8	1.074	1.977	15.5	20.2
12 23	7 27.51	+18 35.2	1.040	1.992	9.9	19.9
1 2	7 16.28	+18 16.9	1.029	2.007	4.1	19.6
1 12	7 4.41	+18 3.5	1.044	2.023	3.5	19.7
1 22	6 53.78	+17 54.1	1.084	2.040	9.0	20.0
2 1	6 45.93	+17 48.3	1.147	2.056	14.2	20.4
2 11	6 41.74	+17 45.4	1.230	2.073	18.5	20.7

159596 2001 XT_{212} 1 7.3 57.°92 1.°7/ 7.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.90	+16 14.6	1.323	2.146	18.5	19.8
12 13	7 34.03	+16 38.8	1.265	2.161	14.2	19.6
12 23	7 26.00	+17 16.2	1.228	2.177	9.1	19.3
1 2	7 15.76	+18 3.4	1.215	2.193	3.8	19.1
1 12	7 4.82	+18 55.2	1.229	2.209	3.0	19.1
1 22	6 54.78	+19 46.5	1.270	2.225	8.1	19.4
2 1	6 47.06	+20 33.7	1.336	2.242	12.8	19.7
2 11	6 42.55	+21 14.7	1.423	2.258	16.8	20.0

164795 1999 GW_{10} 1 7.3 328.°88 0.°7/ 7.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 34.06	+19 32.8	2.082	2.891	13.2	20.4
12 13	7 29.58	+19 40.0	1.995	2.885	10.0	20.1
12 23	7 22.90	+19 52.8	1.932	2.880	6.4	19.9
1 2	7 14.65	+20 9.3	1.896	2.874	2.4	19.6
1 12	7 5.77	+20 27.3	1.889	2.869	2.0	19.6
1 22	6 57.30	+20 45.0	1.911	2.864	6.0	19.9
2 1	6 50.22	+21 0.9	1.961	2.859	9.8	20.1
2 11	6 45.31	+21 14.4	2.035	2.855	13.1	20.3

519850 2013 MZ_{12} 1 7.3 133.°01 0.°5/ 7.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.06	+20 34.8	2.238	3.037	12.7	22.1
12 13	7 32.40	+21 27.2	2.162	3.048	9.6	21.9
12 23	7 24.58	+22 25.8	2.111	3.058	6.0	21.7
1 2	7 15.22	+23 26.5	2.089	3.068	2.1	21.5
1 12	7 5.27	+24 25.2	2.098	3.077	2.0	21.5
1 22	6 55.75	+25 18.1	2.138	3.086	5.9	21.8
2 1	6 47.65	+26 3.3	2.207	3.095	9.4	22.0
2 11	6 41.69	+26 40.1	2.301	3.103	12.3	22.2

454345 2014 LE_{18} 1 7.3 152.°70 3.°2/ 8.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.86	+13 46.5	1.845	2.639	15.2	22.1
12 13	7 34.01	+13 32.5	1.769	2.646	11.9	21.9
12 23	7 25.67	+13 28.3	1.715	2.652	8.0	21.7
1 2	7 15.61	+13 33.7	1.688	2.659	4.3	21.4
1 12	7 4.94	+13 47.3	1.690	2.664	3.7	21.4
1 22	6 54.85	+14 7.2	1.722	2.669	7.1	21.6
2 1	6 46.46	+14 31.1	1.780	2.673	10.9	21.9
2 11	6 40.55	+14 57.1	1.863	2.677	14.3	22.1

141173 2001 XQ_{151} 1 7.3 30.°96 0.°7/ 7.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.78	+20 11.4	1.719	2.535	15.2	19.9
12 13	7 31.95	+20 14.5	1.645	2.539	11.6	19.7
12 23	7 24.50	+20 23.4	1.593	2.543	7.3	19.5
1 2	7 15.22	+20 35.8	1.568	2.547	2.7	19.2
1 12	7 5.29	+20 49.2	1.571	2.551	2.3	19.2
1 22	6 55.99	+21 1.4	1.603	2.556	6.9	19.5
2 1	6 48.48	+21 11.5	1.660	2.561	11.1	19.7
2 11	6 43.60	+21 19.1	1.741	2.566	14.7	20.0

249860 2001 QL_{124} 1 7.3 89.°11 5.°3/ 6.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 45.80	+36 26.8	1.862	2.663	14.8	20.4
12 13	7 38.66	+36 56.7	1.805	2.683	11.6	20.2
12 23	7 28.58	+37 18.0	1.771	2.704	8.2	20.1
1 2	7 16.59	+37 24.5	1.764	2.724	5.6	20.0
1 12	7 4.17	+37 12.5	1.786	2.743	5.8	20.0
1 22	6 52.82	+36 42.4	1.836	2.763	8.4	20.2
2 1	6 43.79	+35 57.8	1.913	2.782	11.6	20.4
2 11	6 37.82	+35 4.0	2.012	2.800	14.4	20.7

425980 2011 HP_{73} 1 7.3 341.°34 7.°2/10.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 31.62	+ 2 40.3	1.627	2.409	17.5	20.5
12 13	7 28.23	+ 2 39.8	1.541	2.398	14.5	20.3
12 23	7 22.32	+ 3 2.6	1.475	2.389	11.2	20.0
1 2	7 14.52	+ 3 50.9	1.433	2.380	8.2	19.8
1 12	7 5.87	+ 5 3.5	1.416	2.372	7.3	19.8
1 22	6 57.60	+ 6 35.8	1.426	2.364	9.2	19.9
2 1	6 50.89	+ 8 20.6	1.461	2.358	12.6	20.0
2 11	6 46.67	+10 9.9	1.520	2.353	16.1	20.2

459136 2012 CO_{13} 1 7.3 339.°55 9.°4/ 6.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 47.72	+44 45.6	1.564	2.363	17.3	20.9
12 13	7 41.39	+45 23.1	1.492	2.357	14.4	20.6
12 23	7 30.95	+45 44.1	1.440	2.352	11.5	20.5
1 2	7 17.56	+45 38.7	1.412	2.347	9.6	20.3
1 12	7 3.28	+45 0.6	1.409	2.342	9.8	20.3
1 22	6 50.30	+43 50.7	1.432	2.339	12.0	20.4
2 1	6 40.46	+42 15.9	1.478	2.335	15.0	20.6
2 11	6 34.73	+40 26.5	1.546	2.332	18.0	20.8

285292 1998 SL_{157} 1 7.3 49.°83 2.°3/ 6.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 41.04	+25 51.8	1.367	2.196	17.7	20.6
12 13	7 35.56	+26 27.3	1.321	2.222	13.3	20.4
12 23	7 26.85	+27 4.4	1.296	2.248	8.4	20.2
1 2	7 16.02	+27 36.9	1.296	2.274	3.5	20.0
1 12	7 4.70	+27 59.9	1.323	2.300	3.6	20.1
1 22	6 54.55	+28 11.2	1.377	2.327	8.2	20.4
2 1	6 46.89	+28 11.4	1.456	2.354	12.6	20.7
2 11	6 42.52	+28 3.3	1.557	2.381	16.2	21.0

154026 2002 CW_{38} 1 7.3 250.°12 0.°7/ 7.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.93	+23 0.4	2.026	2.837	13.4	20.1
12 13	7 31.87	+23 23.5	1.940	2.832	10.2	19.9
12 23	7 24.42	+23 50.4	1.878	2.827	6.4	19.6
1 2	7 15.23	+24 17.9	1.844	2.822	2.3	19.3
1 12	7 5.33	+24 42.6	1.838	2.818	2.3	19.3
1 22	6 55.87	+25 2.2	1.862	2.813	6.4	19.6
2 1	6 47.94	+25 15.6	1.914	2.807	10.3	19.8
2 11	6 42.38	+25 23.2	1.989	2.802	13.6	20.0

100320 1995 MF_5 1 7.3 255.°86 2.°9/ 8.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 33.71	+12 50.2	2.516	3.301	11.9	21.2
12 13	7 28.95	+12 41.2	2.416	3.288	9.3	21.0
12 23	7 22.37	+12 40.2	2.341	3.275	6.4	20.8
1 2	7 14.47	+12 47.3	2.294	3.262	3.6	20.6
1 12	7 6.01	+13 1.7	2.277	3.249	3.2	20.6
1 22	6 57.81	+13 21.9	2.290	3.236	5.8	20.7
2 1	6 50.69	+13 46.3	2.332	3.222	8.8	20.9
2 11	6 45.31	+14 13.0	2.398	3.208	11.7	21.0

439958 2001 TD_{186} 1 7.3 91.°47 1.°0/ 7.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 45.51	+23 43.6	1.600	2.410	16.5	22.3
12 13	7 38.42	+24 3.5	1.548	2.439	12.4	22.1
12 23	7 28.43	+24 25.9	1.519	2.468	7.7	21.9
1 2	7 16.56	+24 46.3	1.517	2.496	2.8	21.7
1 12	7 4.29	+25 1.1	1.545	2.524	2.7	21.7
1 22	6 53.10	+25 8.4	1.601	2.550	7.3	22.1
2 1	6 44.21	+25 8.7	1.684	2.576	11.5	22.4
2 11	6 38.37	+25 3.8	1.790	2.602	14.9	22.7

110863 2001 UN_{85} 1 7.3 207.°20 1.°5/ 7.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 37.46	+17 22.1	2.188	2.984	13.1	21.2
12 13	7 32.03	+17 25.8	2.097	2.979	10.0	21.0
12 23	7 24.41	+17 36.0	2.031	2.975	6.5	20.8
1 2	7 15.21	+17 51.4	1.993	2.969	2.8	20.6
1 12	7 5.38	+18 10.2	1.985	2.963	2.3	20.5
1 22	6 55.94	+18 30.3	2.007	2.957	6.0	20.7
2 1	6 47.86	+18 50.2	2.057	2.950	9.7	20.9
2 11	6 41.92	+19 9.0	2.132	2.943	12.9	21.1

276075 2002 CK_{216} 1 7.3 319.°75 3.°8/ 6.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.57	+31 55.8	1.866	2.680	14.3	20.5
12 13	7 34.21	+32 22.1	1.785	2.676	11.0	20.3
12 23	7 26.03	+32 44.7	1.728	2.672	7.4	20.1
1 2	7 15.82	+32 58.2	1.698	2.668	4.3	19.9
1 12	7 4.86	+32 58.7	1.695	2.664	4.6	19.9
1 22	6 54.55	+32 44.8	1.721	2.660	7.9	20.1
2 1	6 46.16	+32 18.1	1.774	2.657	11.5	20.3
2 11	6 40.60	+31 42.3	1.849	2.654	14.8	20.5

359318 2009 JS_{12} 1 7.3 207.°20 1.°1/ 6.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.31	+23 43.8	2.202	3.004	12.8	21.8
12 13	7 33.55	+24 18.0	2.112	2.999	9.7	21.5
12 23	7 25.44	+24 55.8	2.046	2.993	6.1	21.3
1 2	7 15.60	+25 33.4	2.008	2.987	2.3	21.1
1 12	7 5.02	+26 7.0	2.001	2.979	2.4	21.0
1 22	6 54.82	+26 34.0	2.025	2.972	6.3	21.3
2 1	6 46.06	+26 53.2	2.076	2.963	9.9	21.5
2 11	6 39.58	+27 5.1	2.153	2.954	13.1	21.7

447194 2005 SH_{186} 1 7.3 63.°44 6.°2/ 6.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 45.98	+33 38.2	1.256	2.084	19.0	21.1
12 13	7 39.94	+34 36.2	1.209	2.104	14.7	20.9
12 23	7 29.91	+35 27.6	1.182	2.125	10.2	20.7
1 2	7 17.18	+36 2.5	1.179	2.145	6.6	20.5
1 12	7 3.76	+36 14.1	1.203	2.166	7.0	20.6
1 22	6 51.79	+36 1.5	1.251	2.187	10.6	20.9
2 1	6 42.94	+35 29.3	1.324	2.208	14.6	21.1
2 11	6 38.11	+34 44.5	1.416	2.228	18.1	21.4

27686 1981 ES_{21} 1 7.3 5.°46 9.°2/ 5.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 42.44	+42 11.1	1.430	2.247	17.7	17.5
12 13	7 37.54	+43 7.0	1.368	2.247	14.6	17.3
12 23	7 28.62	+43 49.1	1.326	2.248	11.5	17.1
1 2	7 16.80	+44 7.2	1.308	2.250	9.4	17.0
1 12	7 4.05	+43 54.4	1.313	2.252	9.7	17.0
1 22	6 52.52	+43 10.6	1.343	2.256	12.1	17.1
2 1	6 44.01	+42 1.7	1.396	2.261	15.3	17.3
2 11	6 39.51	+40 36.8	1.469	2.266	18.3	17.6

21882 1999 UL_{16} 1 7.3 152.°57 0.°8/ 7.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 41.10	+23 42.8	2.094	2.895	13.4	19.9
12 13	7 34.80	+24 0.6	2.018	2.904	10.1	19.7
12 23	7 26.12	+24 20.5	1.965	2.913	6.4	19.5
1 2	7 15.80	+24 39.5	1.942	2.920	2.3	19.2
1 12	7 4.91	+24 54.5	1.948	2.927	2.2	19.2
1 22	6 54.61	+25 3.7	1.985	2.934	6.2	19.5
2 1	6 45.94	+25 7.0	2.050	2.939	9.9	19.7
2 11	6 39.68	+25 5.3	2.140	2.944	13.1	20.0

188309 2003 FX_9 1 7.3 188.°37 4.°2/ 8.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 35.34	+ 7 31.6	2.612	3.374	12.1	21.3
12 13	7 30.01	+ 7 20.5	2.522	3.373	9.7	21.1
12 23	7 22.95	+ 7 20.4	2.455	3.372	7.1	20.9
1 2	7 14.67	+ 7 31.8	2.416	3.369	4.9	20.8
1 12	7 5.90	+ 7 54.2	2.408	3.367	4.4	20.7
1 22	6 57.44	+ 8 25.9	2.429	3.364	6.2	20.8
2 1	6 50.05	+ 9 4.7	2.480	3.360	8.8	21.0
2 11	6 44.34	+ 9 47.7	2.556	3.355	11.3	21.2

237277 Nevaruth 1 7.3 340.°47 0.°6/ 7.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 33.94	+20 41.9	1.773	2.594	14.6	20.2
12 13	7 29.89	+20 41.9	1.688	2.584	11.2	20.0
12 23	7 23.31	+20 46.9	1.625	2.576	7.1	19.7
1 2	7 14.88	+20 55.0	1.588	2.567	2.6	19.4
1 12	7 5.70	+21 4.2	1.580	2.560	2.2	19.4
1 22	6 57.00	+21 12.4	1.599	2.553	6.8	19.7
2 1	6 49.94	+21 18.8	1.644	2.547	11.1	19.9
2 11	6 45.40	+21 22.9	1.712	2.541	14.7	20.1

140497 2001 TX_{153} 1 7.3 69.°71 0.°7/ 7.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.81	+24 50.8	2.281	3.087	12.3	19.7
12 13	7 31.36	+24 46.5	2.206	3.095	9.3	19.5
12 23	7 23.86	+24 42.5	2.154	3.103	5.8	19.3
1 2	7 14.98	+24 36.8	2.132	3.110	2.1	19.1
1 12	7 5.67	+24 27.7	2.139	3.118	2.0	19.1
1 22	6 56.92	+24 14.7	2.176	3.126	5.7	19.3
2 1	6 49.61	+23 58.4	2.242	3.134	9.0	19.5
2 11	6 44.41	+23 39.7	2.332	3.142	12.0	19.7

321547 2009 SJ_{281} 1 7.3 132.°10 2.°4/ 6.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.10	+27 42.1	2.144	2.951	12.9	21.3
12 13	7 33.36	+28 19.3	2.070	2.959	9.8	21.1
12 23	7 25.26	+28 56.6	2.021	2.967	6.3	20.9
1 2	7 15.51	+29 29.6	2.000	2.975	3.0	20.7
1 12	7 5.18	+29 54.3	2.009	2.982	3.3	20.7
1 22	6 55.40	+30 8.9	2.047	2.989	6.6	20.9
2 1	6 47.23	+30 13.3	2.113	2.996	10.0	21.2
2 11	6 41.43	+30 9.1	2.203	3.002	12.9	21.4

33894 2000 KM_{30} 1 7.3 139.°05 2.°6/ 6.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.79	+29 18.1	2.740	3.539	10.6	19.1
12 13	7 31.22	+30 7.8	2.664	3.548	8.1	18.9
12 23	7 23.75	+30 56.7	2.614	3.557	5.3	18.8
1 2	7 14.96	+31 41.0	2.594	3.565	2.9	18.6
1 12	7 5.67	+32 17.3	2.605	3.573	3.2	18.7
1 22	6 56.76	+32 43.5	2.646	3.581	5.7	18.8
2 1	6 49.07	+32 59.2	2.716	3.588	8.4	19.0
2 11	6 43.26	+33 5.7	2.812	3.595	10.8	19.2

79346 1996 VY_{33} 1 7.3 322.°27 0.°0/ 7.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 34.01	+21 42.3	1.995	2.810	13.4	19.6
12 13	7 29.76	+21 50.0	1.901	2.795	10.3	19.4
12 23	7 23.16	+22 1.9	1.831	2.781	6.5	19.1
1 2	7 14.83	+22 15.8	1.788	2.767	2.3	18.8
1 12	7 5.76	+22 29.2	1.774	2.754	2.1	18.8
1 22	6 57.05	+22 40.3	1.788	2.741	6.4	19.0
2 1	6 49.81	+22 48.0	1.829	2.728	10.3	19.3
2 11	6 44.86	+22 52.3	1.894	2.716	13.8	19.4

452558 2004 YL_{12} 1 7.3 1.°40 0.°8/ 7.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 35.96	+22 11.1	1.249	2.090	18.4	21.2
12 13	7 32.34	+22 37.3	1.181	2.088	14.0	21.0
12 23	7 25.28	+23 11.1	1.132	2.087	8.8	20.7
1 2	7 15.66	+23 47.7	1.107	2.087	3.1	20.3
1 12	7 5.04	+24 21.6	1.108	2.088	3.0	20.3
1 22	6 55.21	+24 48.8	1.134	2.090	8.7	20.7
2 1	6 47.77	+25 7.3	1.183	2.093	13.8	21.0
2 11	6 43.81	+25 17.8	1.253	2.096	18.2	21.2

402545 2006 JN_4 1 7.3 251.°92 3.°9/ 8.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 37.72	+13 0.7	1.646	2.449	16.4	21.0
12 13	7 32.82	+12 41.8	1.563	2.444	12.9	20.8
12 23	7 25.20	+12 34.4	1.501	2.439	8.9	20.5
1 2	7 15.57	+12 38.9	1.465	2.434	5.0	20.3
1 12	7 5.12	+12 54.3	1.456	2.429	4.3	20.2
1 22	6 55.17	+13 18.5	1.475	2.424	7.9	20.4
2 1	6 46.99	+13 48.6	1.520	2.419	12.1	20.7
2 11	6 41.51	+14 21.9	1.588	2.413	15.9	20.9

136067 2002 XK_{88} 1 7.3 14.°98 24.°6/19.4 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 26.95	+73 48.6	1.042	1.754	29.2	17.1
12 13	8 20.30	+75 0.5	1.026	1.767	27.8	17.0
12 23	7 57.99	+75 25.7	1.018	1.783	26.5	17.0
1 2	7 26.38	+74 40.6	1.022	1.803	25.4	17.0
1 12	6 57.39	+72 35.3	1.038	1.824	24.8	17.0
1 22	6 38.72	+69 21.7	1.068	1.849	24.6	17.1
2 1	6 31.05	+65 22.7	1.115	1.875	25.0	17.3
2 11	6 31.88	+61 1.6	1.178	1.904	25.8	17.4

182971 2002 NQ_{15} 1 7.3 87.°63 2.°7/ 6.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 45.68	+25 42.6	1.388	2.209	17.9	20.4
12 13	7 39.16	+26 38.2	1.338	2.234	13.5	20.2
12 23	7 29.21	+27 36.2	1.309	2.259	8.6	19.9
1 2	7 16.93	+28 29.2	1.306	2.283	3.7	19.7
1 12	7 4.03	+29 10.2	1.331	2.307	4.0	19.8
1 22	6 52.28	+29 36.2	1.384	2.330	8.6	20.1
2 1	6 43.17	+29 47.6	1.462	2.353	13.0	20.4
2 11	6 37.57	+29 47.6	1.561	2.375	16.7	20.7

408145 2013 CM_{107} 1 7.3 281.°73 5.°6/ 6.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 44.83	+35 15.5	1.596	2.409	16.3	21.4
12 13	7 39.03	+35 42.1	1.503	2.390	12.9	21.1
12 23	7 29.54	+36 1.6	1.433	2.371	9.2	20.9
1 2	7 17.21	+36 6.3	1.387	2.352	6.1	20.6
1 12	7 3.64	+35 50.0	1.369	2.332	6.4	20.6
1 22	6 50.75	+35 11.5	1.378	2.312	9.9	20.8
2 1	6 40.32	+34 14.2	1.412	2.293	14.1	21.0
2 11	6 33.55	+33 5.0	1.467	2.273	17.9	21.1

400259 2007 RR_{65} 1 7.3 118.°27 0.°5/ 7.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 41.50	+20 7.3	1.846	2.649	14.8	22.5
12 13	7 35.23	+20 19.2	1.779	2.667	11.2	22.3
12 23	7 26.43	+20 36.4	1.736	2.683	7.1	22.1
1 2	7 15.93	+20 56.4	1.721	2.699	2.6	21.8
1 12	7 4.90	+21 16.0	1.735	2.715	2.2	21.8
1 22	6 54.60	+21 33.2	1.778	2.730	6.6	22.1
2 1	6 46.13	+21 46.9	1.850	2.744	10.5	22.4
2 11	6 40.25	+21 57.2	1.945	2.758	13.9	22.6

289439 2005 EM_{33} 1 7.3 0.°09 23.°2/ 7.4 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	8 1.46	+60 15.8	0.836	1.636	28.5	19.9
12 13	7 57.94	+62 12.6	0.797	1.633	26.4	19.8
12 23	7 44.35	+63 30.4	0.770	1.630	24.5	19.6
1 2	7 22.73	+63 42.5	0.755	1.630	23.4	19.6
1 12	6 59.25	+62 31.6	0.756	1.631	23.3	19.6
1 22	6 40.62	+60 1.9	0.771	1.633	24.5	19.6
2 1	6 30.48	+56 35.4	0.801	1.636	26.4	19.8
2 11	6 28.88	+52 39.7	0.846	1.641	28.7	20.0

337806 2001 UV_{222} 1 7.3 25.°34 4.°0/ 8.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 33.99	+11 21.9	2.295	3.080	12.9	20.6
12 13	7 29.18	+10 43.7	2.213	3.082	10.2	20.4
12 23	7 22.50	+10 14.0	2.156	3.084	7.2	20.2
1 2	7 14.54	+ 9 53.7	2.125	3.087	4.6	20.1
1 12	7 6.12	+ 9 43.3	2.124	3.089	4.2	20.1
1 22	6 58.13	+ 9 42.2	2.152	3.092	6.5	20.2
2 1	6 51.37	+ 9 49.1	2.208	3.095	9.4	20.4
2 11	6 46.48	+10 2.1	2.288	3.097	12.2	20.6

332887 2011 AJ_{55} 1 7.3 280.°00 0.°0/ 7.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.34	+20 49.1	1.955	2.766	13.8	21.8
12 13	7 31.61	+21 12.2	1.861	2.753	10.6	21.5
12 23	7 24.39	+21 41.4	1.790	2.739	6.7	21.3
1 2	7 15.31	+22 14.0	1.747	2.726	2.4	21.0
1 12	7 5.38	+22 46.5	1.732	2.712	2.1	20.9
1 22	6 55.79	+23 15.9	1.747	2.698	6.6	21.2
2 1	6 47.71	+23 40.5	1.788	2.685	10.7	21.4
2 11	6 42.03	+23 59.7	1.854	2.671	14.3	21.6

267474 2002 FC_{26} 1 7.3 276.°00 1.°1/ 6.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.71	+21 56.9	2.047	2.856	13.4	20.4
12 13	7 31.91	+22 51.4	1.950	2.841	10.2	20.2
12 23	7 24.61	+23 53.4	1.877	2.826	6.4	19.9
1 2	7 15.41	+24 58.6	1.831	2.810	2.4	19.6
1 12	7 5.27	+26 1.8	1.816	2.794	2.5	19.6
1 22	6 55.37	+26 58.5	1.830	2.778	6.7	19.8
2 1	6 46.88	+27 46.1	1.872	2.762	10.7	20.0
2 11	6 40.74	+28 23.8	1.939	2.746	14.1	20.2

298945 2004 TY_{286} 1 7.3 131.°96 1.°8/ 7.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.55	+16 36.2	1.771	2.572	15.5	21.7
12 13	7 34.65	+16 41.7	1.699	2.583	11.9	21.5
12 23	7 26.16	+16 56.0	1.651	2.594	7.7	21.3
1 2	7 15.87	+17 17.3	1.629	2.605	3.3	21.1
1 12	7 4.97	+17 42.7	1.636	2.615	2.7	21.0
1 22	6 54.72	+18 9.8	1.673	2.624	6.9	21.3
2 1	6 46.29	+18 36.4	1.737	2.633	11.0	21.6
2 11	6 40.48	+19 1.2	1.824	2.642	14.5	21.8

335879 2007 RX_{130} 1 7.3 56.°96 5.°5/ 9.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 33.06	+ 5 35.9	2.222	2.991	13.7	21.1
12 13	7 28.52	+ 5 11.4	2.146	2.998	11.2	20.9
12 23	7 22.11	+ 5 0.6	2.092	3.004	8.4	20.8
1 2	7 14.41	+ 5 4.8	2.065	3.011	6.1	20.6
1 12	7 6.26	+ 5 23.8	2.065	3.018	5.6	20.6
1 22	6 58.52	+ 5 55.8	2.094	3.025	7.3	20.7
2 1	6 52.03	+ 6 37.9	2.151	3.032	9.9	20.9
2 11	6 47.40	+ 7 26.3	2.231	3.039	12.5	21.1

485406 2011 OL_3 1 7.3 205.°81 1.°8/ 7.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 44.44	+27 19.1	1.668	2.480	15.8	21.6
12 13	7 38.05	+27 16.7	1.585	2.477	12.1	21.4
12 23	7 28.53	+27 12.6	1.526	2.474	7.7	21.1
1 2	7 16.76	+27 2.6	1.492	2.470	3.1	20.8
1 12	7 4.17	+26 44.0	1.488	2.466	3.1	20.8
1 22	6 52.34	+26 16.4	1.512	2.461	7.7	21.1
2 1	6 42.68	+25 41.7	1.563	2.456	12.2	21.4
2 11	6 36.15	+25 3.5	1.637	2.450	16.0	21.6

26522 Juliapoje 1 7.3 192.°26 0.°0/ 7.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 35.61	+21 11.0	2.530	3.329	11.4	19.2
12 13	7 30.39	+21 25.1	2.442	3.327	8.7	19.0
12 23	7 23.28	+21 42.8	2.379	3.326	5.4	18.8
1 2	7 14.83	+22 2.1	2.345	3.324	1.9	18.6
1 12	7 5.88	+22 20.8	2.342	3.322	1.7	18.6
1 22	6 57.28	+22 37.2	2.369	3.320	5.2	18.8
2 1	6 49.88	+22 50.4	2.426	3.317	8.5	19.0
2 11	6 44.33	+23 0.2	2.507	3.314	11.3	19.2

156582 2002 FK_{20} 1 7.3 236.°09 0.°3/ 7.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.21	+19 24.6	2.318	3.117	12.3	20.3
12 13	7 31.10	+19 51.3	2.222	3.107	9.4	20.1
12 23	7 23.88	+20 24.3	2.151	3.097	6.0	19.9
1 2	7 15.09	+21 1.2	2.108	3.086	2.2	19.6
1 12	7 5.62	+21 39.0	2.095	3.075	1.9	19.6
1 22	6 56.43	+22 14.9	2.113	3.064	5.7	19.8
2 1	6 48.50	+22 47.2	2.160	3.052	9.3	20.0
2 11	6 42.58	+23 14.8	2.232	3.040	12.5	20.2

443853 2001 RE_{41} 1 7.3 96.°82 2.°7/ 7.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 42.30	+16 22.7	1.540	2.347	17.1	21.4
12 13	7 36.12	+16 2.8	1.480	2.366	13.2	21.2
12 23	7 27.11	+15 51.6	1.441	2.384	8.6	21.0
1 2	7 16.20	+15 48.6	1.427	2.402	4.1	20.7
1 12	7 4.76	+15 52.0	1.443	2.419	3.5	20.7
1 22	6 54.23	+16 0.1	1.486	2.437	7.6	21.0
2 1	6 45.83	+16 11.4	1.555	2.453	11.9	21.3
2 11	6 40.36	+16 24.4	1.647	2.470	15.5	21.6

245005 2004 CK_{53} 1 7.3 11.°53 1.°0/ 7.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 35.50	+20 17.7	1.993	2.804	13.6	19.9
12 13	7 30.67	+20 2.6	1.915	2.805	10.4	19.7
12 23	7 23.60	+19 51.2	1.859	2.807	6.6	19.5
1 2	7 14.97	+19 42.5	1.831	2.809	2.6	19.2
1 12	7 5.80	+19 35.2	1.832	2.812	2.2	19.2
1 22	6 57.17	+19 28.7	1.862	2.815	6.2	19.5
2 1	6 50.07	+19 22.4	1.919	2.818	10.0	19.7
2 11	6 45.23	+19 16.5	2.000	2.821	13.2	19.9

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
163066	2001 YH_{143}		1	7.3	271.°34	0.°2/ 7.4 18
	h m	° ′			°	m
12 3	7 39.50	+20 56.2	1.615	2.432	16.0	20.8
12 13	7 34.56	+21 6.1	1.521	2.415	12.3	20.6
12 23	7 26.56	+21 22.2	1.448	2.398	7.9	20.3
1 2	7 16.17	+21 41.9	1.401	2.380	2.9	19.9
1 12	7 4.66	+22 1.5	1.382	2.362	2.5	19.8
1 22	6 53.54	+22 18.2	1.391	2.344	7.8	20.1
2 1	6 44.30	+22 30.7	1.426	2.326	12.6	20.4
2 11	6 38.05	+22 38.9	1.484	2.308	16.8	20.6
405543	2005 GN_{97}		1	7.3	319.°89	2.°5/ 7.9 18
12 3	7 36.21	+15 12.8	1.570	2.384	16.5	21.0
12 13	7 31.88	+15 17.1	1.488	2.378	12.8	20.7
12 23	7 24.73	+15 33.2	1.427	2.372	8.5	20.4
1 2	7 15.47	+16 0.0	1.392	2.367	4.0	20.2
1 12	7 5.33	+16 34.6	1.384	2.362	3.3	20.1
1 22	6 55.69	+17 13.6	1.403	2.357	7.7	20.3
2 1	6 47.87	+17 53.8	1.448	2.352	12.2	20.6
2 11	6 42.86	+18 32.4	1.515	2.347	16.2	20.8
36894	2000 SK_{170}		1	7.3	126.°25	2.°2/ 6.6 18
12 3	7 40.03	+28 2.1	2.312	3.113	12.3	19.7
12 13	7 33.84	+28 30.8	2.242	3.128	9.3	19.5
12 23	7 25.46	+28 58.6	2.197	3.142	6.0	19.4
1 2	7 15.61	+29 21.6	2.181	3.156	2.8	19.2
1 12	7 5.28	+29 36.9	2.195	3.169	3.0	19.2
1 22	6 55.54	+29 42.9	2.239	3.181	6.1	19.4
2 1	6 47.35	+29 40.1	2.312	3.193	9.3	19.7
2 11	6 41.39	+29 30.1	2.410	3.205	12.1	19.9
379087	2008 XR_{15}		1	7.3	355.°15	1.°1/ 7.6 18
12 3	7 34.48	+19 22.2	1.883	2.698	14.2	21.0
12 13	7 30.09	+19 15.8	1.803	2.695	10.8	20.8
12 23	7 23.33	+19 14.8	1.745	2.693	6.9	20.6
1 2	7 14.91	+19 17.8	1.714	2.691	2.7	20.3
1 12	7 5.86	+19 23.2	1.711	2.690	2.3	20.3
1 22	6 57.32	+19 29.5	1.736	2.690	6.5	20.5
2 1	6 50.34	+19 35.7	1.789	2.690	10.4	20.8
2 11	6 45.72	+19 41.2	1.865	2.690	13.9	21.0
475504	2006 SZ_{315}		1	7.3	204.°14	19.°4/ 1.8 18
12 3	8 5.90	+56 57.3	1.177	1.948	23.4	20.9
12 13	7 59.89	+59 40.5	1.131	1.947	21.4	20.8
12 23	7 45.45	+61 58.2	1.101	1.945	19.9	20.6
1 2	7 23.48	+63 26.2	1.089	1.942	19.4	20.6
1 12	6 58.19	+63 46.4	1.096	1.940	20.0	20.6
1 22	6 35.56	+62 57.5	1.120	1.937	21.5	20.7
2 1	6 20.17	+61 14.0	1.161	1.933	23.6	20.9
2 11	6 13.46	+58 57.1	1.215	1.929	25.7	21.0
276226	2002 QQ_{130}		1	7.3	135.°03	2.°5/ 8.3 18
12 3	7 34.58	+12 49.5	2.379	3.165	12.4	20.8
12 13	7 29.63	+13 3.6	2.298	3.171	9.7	20.6
12 23	7 22.81	+13 27.5	2.241	3.177	6.5	20.5
1 2	7 14.69	+14 0.1	2.212	3.182	3.4	20.3
1 12	7 6.08	+14 39.2	2.213	3.188	2.8	20.2
1 22	6 57.85	+15 22.4	2.244	3.193	5.6	20.4
2 1	6 50.81	+16 7.0	2.305	3.198	8.8	20.6
2 11	6 45.63	+16 50.7	2.390	3.202	11.6	20.8
197578	2004 GX_{79}		1	7.3	161.°99	2.°1/ 7.8 18
12 3	7 41.76	+16 40.0	1.847	2.643	15.1	21.8
12 13	7 35.52	+16 32.5	1.768	2.650	11.6	21.6
12 23	7 26.71	+16 32.6	1.713	2.656	7.6	21.3
1 2	7 16.10	+16 39.1	1.686	2.661	3.4	21.1
1 12	7 4.84	+16 50.1	1.688	2.665	2.9	21.1
1 22	6 54.18	+17 3.9	1.719	2.669	6.9	21.3
2 1	6 45.29	+17 19.0	1.778	2.672	10.9	21.6
2 11	6 38.97	+17 34.3	1.861	2.674	14.4	21.8
124654	2001 SV_{73}		1	7.3	91.°55	2.°1/ 6.7 18
12 3	7 45.58	+25 3.1	1.570	2.383	16.6	20.1
12 13	7 38.69	+25 51.3	1.519	2.411	12.5	19.9
12 23	7 28.75	+26 41.8	1.491	2.440	7.8	19.7
1 2	7 16.78	+27 28.3	1.490	2.467	3.2	19.4
1 12	7 4.31	+28 5.1	1.518	2.494	3.4	19.5
1 22	6 52.88	+28 29.6	1.574	2.520	7.8	19.8
2 1	6 43.82	+28 41.9	1.657	2.546	11.9	20.1
2 11	6 37.92	+28 44.6	1.763	2.571	15.3	20.4
197289	2003 WK_{119}		1	7.3	72.°53	0.°4/ 7.2 18
12 3	7 38.90	+23 21.3	2.086	2.891	13.3	19.9
12 13	7 32.95	+23 25.3	2.028	2.916	10.0	19.7
12 23	7 24.84	+23 31.1	1.994	2.942	6.2	19.5
1 2	7 15.37	+23 36.2	1.988	2.967	2.2	19.3
1 12	7 5.56	+23 38.6	2.012	2.992	2.0	19.3
1 22	6 56.47	+23 37.4	2.066	3.017	5.9	19.6
2 1	6 49.03	+23 32.6	2.148	3.041	9.3	19.9
2 11	6 43.85	+23 25.0	2.255	3.065	12.3	20.1

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
500191	2012 GC_{22}		1	7.3	260.°95	4.°2/ 5.9 17
	h m	° ′			°	m
12 3	7 40.30	+32 25.3	2.083	2.890	13.3	21.8
12 13	7 34.76	+33 11.1	1.989	2.874	10.3	21.5
12 23	7 26.47	+33 54.6	1.918	2.858	7.1	21.3
1 2	7 16.10	+34 30.1	1.875	2.841	4.5	21.1
1 12	7 4.79	+34 52.4	1.861	2.824	4.9	21.1
1 22	6 53.86	+34 59.1	1.876	2.807	7.9	21.3
2 1	6 44.62	+34 50.5	1.917	2.790	11.3	21.4
2 11	6 38.03	+34 29.6	1.982	2.773	14.5	21.6
319103	2005 WE_{183}		1	7.3	82.°61	0.°6/ 7.2 17
12 3	7 43.61	+23 57.7	1.408	2.230	17.7	20.6
12 13	7 37.52	+23 54.5	1.348	2.245	13.4	20.4
12 23	7 28.18	+23 53.4	1.309	2.260	8.4	20.1
1 2	7 16.63	+23 50.8	1.295	2.274	3.0	19.9
1 12	7 4.47	+23 44.0	1.309	2.289	2.7	19.9
1 22	6 53.38	+23 32.0	1.351	2.304	8.0	20.2
2 1	6 44.77	+23 15.9	1.418	2.318	12.7	20.5
2 11	6 39.47	+22 57.6	1.507	2.333	16.6	20.8
227956	2007 GG_{69}		1	7.3	149.°49	0.°4/ 7.2 18
12 3	7 37.41	+22 29.6	2.112	2.919	13.1	21.1
12 13	7 32.09	+22 45.9	2.032	2.922	9.9	20.9
12 23	7 24.50	+23 5.5	1.976	2.925	6.2	20.7
1 2	7 15.33	+23 25.8	1.948	2.927	2.2	20.4
1 12	7 5.57	+23 43.9	1.950	2.930	2.0	20.4
1 22	6 56.30	+23 58.0	1.982	2.933	6.1	20.7
2 1	6 48.54	+24 7.3	2.042	2.935	9.7	20.9
2 11	6 43.04	+24 12.0	2.125	2.937	12.9	21.1
406175	2006 WB_{78}		1	7.3	3.°32	1.°9/ 7.6 18
12 3	7 32.97	+19 9.1	1.184	2.028	18.9	20.5
12 13	7 30.06	+18 50.1	1.118	2.027	14.5	20.2
12 23	7 23.83	+18 39.1	1.073	2.026	9.4	19.9
1 2	7 15.20	+18 35.3	1.050	2.028	3.9	19.6
1 12	7 5.70	+18 36.8	1.051	2.031	3.2	19.6
1 22	6 57.04	+18 41.5	1.077	2.036	8.6	19.9
2 1	6 50.74	+18 48.0	1.127	2.042	13.8	20.2
2 11	6 47.76	+18 54.9	1.196	2.050	18.1	20.5
163772	2003 PU_{12}		1	7.3	124.°10	1.°0/ 7.0 18
12 3	7 42.15	+23 35.0	1.952	2.756	14.1	20.5
12 13	7 35.72	+24 3.3	1.885	2.773	10.7	20.3
12 23	7 26.78	+24 34.5	1.842	2.790	6.7	20.1
1 2	7 16.14	+25 4.6	1.827	2.806	2.5	19.8
1 12	7 4.95	+25 29.8	1.842	2.821	2.4	19.8
1 22	6 54.47	+25 48.1	1.888	2.836	6.5	20.1
2 1	6 45.77	+25 58.8	1.961	2.850	10.3	20.4
2 11	6 39.64	+26 3.3	2.058	2.863	13.5	20.6
125841	2001 XO_{182}		1	7.3	97.°48	1.°5/ 7.5 18
12 3	7 44.75	+20 2.2	1.645	2.449	16.3	19.4
12 13	7 37.77	+19 31.9	1.584	2.471	12.4	19.2
12 23	7 28.05	+19 5.6	1.547	2.493	7.9	19.0
1 2	7 16.55	+18 42.4	1.537	2.514	3.2	18.8
1 12	7 4.66	+18 21.4	1.556	2.535	2.7	18.8
1 22	6 53.75	+18 2.7	1.604	2.555	7.2	19.1
2 1	6 44.99	+17 46.5	1.680	2.575	11.3	19.4
2 11	6 39.12	+17 33.1	1.779	2.594	14.9	19.6
131418	2001 OO_5		1	7.3	190.°11	2.°7/ 6.9 18
12 3	7 41.57	+32 26.8	2.542	3.335	11.5	19.4
12 13	7 34.89	+32 19.6	2.455	3.335	8.9	19.3
12 23	7 26.09	+32 6.8	2.394	3.334	5.9	19.1
1 2	7 15.87	+31 45.7	2.362	3.333	3.2	18.9
1 12	7 5.23	+31 14.6	2.361	3.331	3.2	18.9
1 22	6 55.18	+30 34.0	2.391	3.330	6.0	19.1
2 1	6 46.65	+29 45.8	2.450	3.328	9.0	19.3
2 11	6 40.30	+28 53.1	2.535	3.326	11.6	19.4
379798	2011 HL_{87}		1	7.3	72.°09	1.°4/ 7.9 18
12 3	7 35.16	+15 55.4	2.118	2.918	13.3	21.0
12 13	7 30.30	+16 25.1	2.045	2.928	10.2	20.8
12 23	7 23.35	+17 3.9	1.996	2.939	6.6	20.6
1 2	7 14.95	+17 49.5	1.974	2.950	2.8	20.4
1 12	7 6.02	+18 38.8	1.982	2.961	2.2	20.4
1 22	6 57.56	+19 28.3	2.020	2.972	5.8	20.7
2 1	6 50.48	+20 15.2	2.086	2.983	9.4	20.9
2 11	6 45.50	+20 58.0	2.177	2.994	12.5	21.1
135830	2002 RE_{241}		1	7.3	67.°39	0.°8/ 7.5 18
12 3	7 39.16	+20 19.6	1.629	2.444	15.9	19.9
12 13	7 33.87	+20 14.0	1.559	2.453	12.1	19.6
12 23	7 25.82	+20 13.8	1.512	2.461	7.7	19.4
1 2	7 15.85	+20 16.8	1.491	2.469	2.9	19.1
1 12	7 5.26	+20 20.8	1.498	2.478	2.4	19.1
1 22	6 55.40	+20 24.3	1.533	2.486	7.1	19.4
2 1	6 47.50	+20 26.5	1.594	2.495	11.5	19.7
2 11	6 42.40	+20 27.6	1.678	2.503	15.2	20.0

304874 2007 RV_{148} 1 7.3 127.°53 1.°5/ 6.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.39	+24 50.5	1.916	2.722	14.3	21.4
12 13	7 36.01	+25 24.7	1.849	2.737	10.8	21.2
12 23	7 27.04	+26 1.1	1.805	2.752	6.8	21.0
1 2	7 16.27	+26 35.1	1.788	2.766	2.7	20.8
1 12	7 4.92	+27 2.7	1.802	2.780	2.8	20.8
1 22	6 54.26	+27 21.4	1.846	2.793	6.8	21.1
2 1	6 45.44	+27 31.1	1.917	2.805	10.6	21.3
2 11	6 39.27	+27 33.2	2.012	2.816	13.8	21.6

450967 2008 PW_{8} 1 7.3 130.°57 1.°5/ 6.9 15

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 45.25	+25 33.6	1.856	2.659	14.8	22.8
12 13	7 38.17	+25 53.7	1.790	2.677	11.2	22.6
12 23	7 28.36	+26 14.5	1.747	2.694	7.1	22.4
1 2	7 16.73	+26 31.8	1.732	2.710	2.8	22.1
1 12	7 4.55	+26 42.0	1.747	2.725	2.8	22.2
1 22	6 53.19	+26 43.7	1.793	2.739	6.9	22.5
2 1	6 43.84	+26 37.6	1.865	2.753	10.8	22.7
2 11	6 37.29	+26 25.7	1.962	2.766	14.1	23.0

127545 Crisman 1 7.3 352.°78 2.°4/ 7.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.12	+18 20.8	1.225	2.058	19.1	19.2
12 13	7 33.97	+17 55.2	1.154	2.055	14.8	18.9
12 23	7 26.35	+17 37.7	1.102	2.053	9.6	18.6
1 2	7 16.16	+17 27.7	1.074	2.051	4.2	18.3
1 12	7 4.99	+17 23.9	1.070	2.049	3.6	18.2
1 22	6 54.63	+17 24.7	1.093	2.049	8.9	18.6
2 1	6 46.68	+17 28.8	1.138	2.049	14.2	18.8
2 11	6 42.22	+17 35.1	1.204	2.049	18.7	19.1

203847 2002 VR_{88} 1 7.3 40.°65 2.°1/ 6.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.91	+27 29.0	1.968	2.783	13.6	19.7
12 13	7 31.87	+27 51.3	1.900	2.794	10.3	19.5
12 23	7 24.43	+28 13.2	1.856	2.804	6.6	19.3
1 2	7 15.35	+28 30.9	1.839	2.815	2.9	19.1
1 12	7 5.75	+28 41.2	1.851	2.827	3.1	19.1
1 22	6 56.79	+28 42.7	1.892	2.838	6.7	19.4
2 1	6 49.54	+28 35.7	1.959	2.850	10.2	19.6
2 11	6 44.72	+28 22.0	2.050	2.862	13.3	19.8

116836 2004 FL_{38} 1 7.3 288.°60 1.°2/ 7.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.75	+19 35.6	1.744	2.557	15.2	20.1
12 13	7 32.87	+19 26.3	1.656	2.548	11.7	19.8
12 23	7 25.30	+19 22.4	1.590	2.538	7.5	19.6
1 2	7 15.74	+19 22.4	1.550	2.528	3.0	19.3
1 12	7 5.35	+19 24.6	1.539	2.519	2.5	19.2
1 22	6 55.44	+19 27.4	1.556	2.509	7.1	19.5
2 1	6 47.26	+19 30.0	1.599	2.500	11.5	19.7
2 11	6 41.73	+19 32.1	1.666	2.490	15.3	19.9

444031 2004 PQ_{16} 1 7.3 107.°17 1.°6/ 6.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 44.82	+24 21.0	1.810	2.614	15.1	21.3
12 13	7 37.84	+25 3.8	1.753	2.640	11.3	21.1
12 23	7 28.15	+25 49.2	1.719	2.666	7.1	20.9
1 2	7 16.66	+26 31.9	1.713	2.691	2.8	20.7
1 12	7 4.65	+27 7.2	1.738	2.715	2.9	20.8
1 22	6 53.51	+27 32.4	1.792	2.738	7.0	21.1
2 1	6 44.40	+27 47.5	1.874	2.761	10.8	21.3
2 11	6 38.09	+27 54.0	1.980	2.782	14.1	21.6

417086 2005 UE_{291} 1 7.3 127.°10 0.°8/ 7.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.03	+20 4.9	2.205	3.003	12.9	21.6
12 13	7 33.07	+20 0.5	2.132	3.016	9.8	21.4
12 23	7 25.01	+20 0.0	2.083	3.028	6.2	21.2
1 2	7 15.53	+20 1.7	2.062	3.040	2.4	20.9
1 12	7 5.62	+20 4.2	2.072	3.051	2.0	20.9
1 22	6 56.27	+20 6.1	2.112	3.062	5.7	21.2
2 1	6 48.40	+20 7.2	2.180	3.073	9.2	21.4
2 11	6 42.69	+20 7.2	2.274	3.083	12.2	21.7

492621 2014 OJ_{259} 1 7.3 188.°99 1.°8/ 6.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.80	+26 0.6	2.028	2.832	13.7	22.4
12 13	7 35.65	+26 31.1	1.943	2.831	10.4	22.2
12 23	7 26.91	+27 3.0	1.883	2.830	6.6	21.9
1 2	7 16.29	+27 32.0	1.851	2.828	2.8	21.7
1 12	7 4.91	+27 54.2	1.849	2.825	2.9	21.7
1 22	6 54.04	+28 7.3	1.877	2.822	6.8	21.9
2 1	6 44.87	+28 11.0	1.932	2.818	10.6	22.2
2 11	6 38.25	+28 7.0	2.012	2.813	13.9	22.4

413955 2007 BZ_{45} 1 7.3 326.°43 4.°8/ 6.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.03	+34 21.4	1.475	2.300	16.8	19.4
12 13	7 36.29	+34 21.3	1.384	2.278	13.3	19.2
12 23	7 27.90	+34 12.2	1.314	2.258	9.2	18.9
1 2	7 16.76	+33 47.6	1.268	2.238	5.5	18.6
1 12	7 4.48	+33 3.5	1.249	2.219	5.6	18.6
1 22	6 52.95	+32 0.0	1.256	2.201	9.5	18.7
2 1	6 43.91	+30 42.1	1.288	2.184	14.1	18.9
2 11	6 38.49	+29 16.9	1.341	2.167	18.2	19.2

6745 Nishiyama 1 7.3 266.°16 1.°6/ 7.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.11	+16 40.8	1.520	2.334	17.0	18.3
12 13	7 34.43	+16 59.9	1.428	2.320	13.2	18.0
12 23	7 26.61	+17 31.4	1.358	2.305	8.6	17.7
1 2	7 16.31	+18 12.9	1.312	2.290	3.6	17.3
1 12	7 4.82	+19 0.5	1.295	2.274	2.9	17.2
1 22	6 53.68	+19 49.5	1.305	2.259	8.0	17.5
2 1	6 44.45	+20 36.2	1.340	2.243	13.1	17.8
2 11	6 38.29	+21 18.3	1.398	2.227	17.4	18.0

387793 2003 WL_{25} 1 7.3 164.°24 2.°7/ 8.2 14 C

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.04	+11 42.4	3.373	4.123	9.8	22.9
12 13	7 33.84	+11 24.9	3.283	4.134	7.7	22.7
12 23	7 25.18	+11 13.3	3.220	4.143	5.4	22.6
1 2	7 15.56	+11 7.6	3.189	4.151	3.2	22.4
1 12	7 5.62	+11 7.3	3.192	4.158	2.9	22.4
1 22	6 56.00	+11 11.8	3.228	4.164	4.8	22.5
2 1	6 47.34	+11 20.2	3.296	4.168	7.1	22.7
2 11	6 40.15	+11 31.5	3.392	4.171	9.2	22.9

402584 2006 RJ_{100} 1 7.3 93.°88 5.°6/ 6.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 49.83	+38 15.2	1.878	2.670	15.0	21.5
12 13	7 41.68	+38 35.0	1.823	2.694	11.8	21.4
12 23	7 30.51	+38 43.8	1.791	2.718	8.5	21.2
1 2	7 17.45	+38 35.7	1.786	2.741	6.0	21.1
1 12	7 4.08	+38 7.4	1.810	2.764	6.1	21.2
1 22	6 51.95	+37 20.4	1.863	2.786	8.5	21.4
2 1	6 42.32	+36 19.4	1.943	2.808	11.6	21.6
2 11	6 35.88	+35 10.5	2.046	2.829	14.3	21.8

404191 2013 CC_{118} 1 7.3 326.°45 0.°7/ 7.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.70	+21 49.6	1.335	2.169	17.7	20.8
12 13	7 32.97	+22 19.5	1.254	2.158	13.6	20.5
12 23	7 25.84	+22 57.7	1.194	2.148	8.6	20.2
1 2	7 16.07	+23 40.0	1.158	2.138	3.1	19.9
1 12	7 5.12	+24 20.6	1.148	2.128	2.9	19.8
1 22	6 54.73	+24 54.9	1.164	2.120	8.6	20.2
2 1	6 46.56	+25 20.3	1.205	2.112	13.8	20.4
2 11	6 41.80	+25 37.0	1.265	2.104	18.3	20.7

415201 2012 HW 1 7.3 326.°18 0.°7/ 7.5 16

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.13	+20 38.7	1.552	2.377	16.2	21.1
12 13	7 32.00	+20 34.5	1.467	2.365	12.4	20.8
12 23	7 24.94	+20 35.9	1.402	2.353	7.9	20.6
1 2	7 15.69	+20 40.9	1.363	2.342	3.0	20.2
1 12	7 5.49	+20 47.1	1.351	2.331	2.5	20.2
1 22	6 55.81	+20 52.5	1.366	2.321	7.6	20.5
2 1	6 48.02	+20 56.2	1.407	2.312	12.4	20.7
2 11	6 43.15	+20 58.1	1.469	2.303	16.5	20.9

58612 1997 UA_{5} 1 7.3 99.°71 4.°0/ 6.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 45.97	+30 20.4	1.657	2.468	16.0	19.3
12 13	7 39.12	+31 13.5	1.602	2.491	12.2	19.1
12 23	7 29.16	+32 3.9	1.571	2.514	8.1	18.9
1 2	7 17.07	+32 44.6	1.566	2.536	4.6	18.8
1 12	7 4.40	+33 10.1	1.589	2.558	4.9	18.9
1 22	6 52.74	+33 18.3	1.641	2.579	8.4	19.1
2 1	6 43.44	+33 11.3	1.720	2.599	12.1	19.4
2 11	6 37.35	+32 52.9	1.821	2.619	15.3	19.6

218632 2005 RM_{24} 1 7.3 68.°93 7.°2/ 6.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 46.16	+40 14.8	1.770	2.570	15.5	19.5
12 13	7 39.37	+41 5.4	1.719	2.591	12.4	19.4
12 23	7 29.33	+41 44.5	1.690	2.612	9.4	19.2
1 2	7 17.12	+42 4.3	1.687	2.633	7.4	19.2
1 12	7 4.41	+42 0.1	1.712	2.654	7.6	19.2
1 22	6 52.86	+41 32.2	1.763	2.674	9.8	19.4
2 1	6 43.87	+40 45.0	1.840	2.695	12.6	19.6
2 11	6 38.21	+39 45.1	1.938	2.716	15.2	19.8

110081 2001 SK_{115} 1 7.3 77.°99 7.°0/ 5.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 45.21	+38 47.2	1.812	2.614	15.1	19.3
12 13	7 38.68	+40 0.4	1.762	2.636	12.1	19.2
12 23	7 28.95	+41 4.1	1.735	2.658	9.1	19.0
1 2	7 17.02	+41 50.1	1.734	2.679	7.2	19.0
1 12	7 4.46	+42 12.6	1.760	2.701	7.5	19.0
1 22	6 52.90	+42 10.5	1.813	2.722	9.8	19.2
2 1	6 43.75	+41 47.1	1.892	2.743	12.5	19.4
2 11	6 37.86	+41 8.5	1.993	2.764	15.1	19.6

459366 2012 JN_{18} 1 7.3 248.°45 3.°3/ 5.5 16

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.68	+25 4.8	2.041	2.844	13.6	20.8
12 13	7 35.95	+27 0.6	1.949	2.836	10.4	20.6
12 23	7 27.42	+29 4.8	1.883	2.828	6.8	20.3
1 2	7 16.63	+31 9.5	1.848	2.820	3.6	20.1
1 12	7 4.63	+33 5.4	1.845	2.812	4.4	20.2
1 22	6 52.74	+34 45.3	1.873	2.804	7.9	20.4
2 1	6 42.35	+36 5.4	1.929	2.796	11.6	20.6
2 11	6 34.55	+37 6.1	2.010	2.787	14.8	20.8

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
405926	2006 KQ_{109}		1 7.3	183.°75	0.°0/ 7.2	18
	h m	° ′			°	m
12 3	7 40.72	+21 29.4	2.040	2.841	13.7	22.5
12 13	7 34.71	+21 39.6	1.956	2.842	10.4	22.3
12 23	7 26.27	+21 53.8	1.895	2.842	6.6	22.1
1 2	7 16.08	+22 9.4	1.863	2.842	2.4	21.8
1 12	7 5.22	+22 23.7	1.860	2.840	2.0	21.8
1 22	6 54.86	+22 34.7	1.888	2.838	6.3	22.0
2 1	6 46.10	+22 41.9	1.944	2.836	10.2	22.3
2 11	6 39.75	+22 45.5	2.024	2.833	13.6	22.5
365623	2010 UM_{52}		1 7.3	172.°31	3.°4/ 6.2	18
12 3	7 41.10	+30 32.4	2.149	2.953	13.0	21.4
12 13	7 35.09	+31 18.8	2.070	2.955	10.0	21.2
12 23	7 26.55	+32 3.6	2.016	2.957	6.7	21.0
1 2	7 16.19	+32 41.5	1.990	2.959	3.9	20.8
1 12	7 5.13	+33 8.1	1.993	2.960	4.2	20.8
1 22	6 54.58	+33 21.2	2.026	2.961	7.2	21.0
2 1	6 45.71	+33 21.0	2.087	2.962	10.5	21.2
2 11	6 39.34	+33 10.2	2.171	2.962	13.4	21.4
417005	2005 UL_4		1 7.3	44.°20	6.°7/ 8.8	18
12 3	7 36.01	+ 6 57.6	1.691	2.477	16.7	20.4
12 13	7 31.27	+ 6 3.5	1.624	2.487	13.5	20.2
12 23	7 24.11	+ 5 24.5	1.579	2.497	10.2	20.0
1 2	7 15.30	+ 5 3.3	1.558	2.507	7.4	19.9
1 12	7 5.94	+ 5 0.9	1.564	2.518	6.9	19.9
1 22	6 57.21	+ 5 15.9	1.597	2.529	9.0	20.0
2 1	6 50.17	+ 5 45.1	1.655	2.540	12.1	20.2
2 11	6 45.57	+ 6 24.0	1.735	2.552	15.1	20.5
424914	2008 WC_{94}		1 7.3	200.°19	2.°9/ 6.1	18
12 3	7 37.40	+29 10.7	2.456	3.260	11.6	21.4
12 13	7 32.07	+30 3.6	2.372	3.258	8.9	21.2
12 23	7 24.56	+30 56.5	2.313	3.256	5.8	21.0
1 2	7 15.49	+31 45.0	2.282	3.253	3.3	20.9
1 12	7 5.75	+32 24.9	2.282	3.251	3.6	20.9
1 22	6 56.36	+32 53.6	2.312	3.248	6.4	21.1
2 1	6 48.30	+33 10.5	2.370	3.245	9.4	21.3
2 11	6 42.34	+33 17.0	2.453	3.241	12.1	21.4
138316	2000 GG_{73}		1 7.4	280.°75	1.°1/ 7.6	18
12 3	7 37.65	+19 9.3	1.808	2.618	14.8	20.5
12 13	7 32.85	+19 8.0	1.711	2.601	11.4	20.2
12 23	7 25.38	+19 12.8	1.637	2.584	7.4	20.0
1 2	7 15.87	+19 22.4	1.589	2.567	2.9	19.7
1 12	7 5.43	+19 34.4	1.570	2.550	2.4	19.6
1 22	6 55.34	+19 46.8	1.579	2.532	7.0	19.8
2 1	6 46.86	+19 58.4	1.615	2.515	11.4	20.0
2 11	6 40.98	+20 8.5	1.675	2.498	15.3	20.3
23727	Akihasan		1 7.4	163.°51	1.°4/ 6.9	18
12 3	7 43.64	+23 54.6	1.774	2.581	15.2	19.1
12 13	7 37.31	+24 30.4	1.698	2.587	11.6	18.9
12 23	7 28.09	+25 10.1	1.645	2.593	7.3	18.7
1 2	7 16.79	+25 48.7	1.619	2.598	2.8	18.4
1 12	7 4.69	+26 21.5	1.623	2.602	2.8	18.4
1 22	6 53.22	+26 45.5	1.657	2.605	7.3	18.7
2 1	6 43.72	+26 59.8	1.717	2.607	11.5	19.0
2 11	6 37.08	+27 6.0	1.801	2.609	15.0	19.2
157214	2004 RV_{28}		1 7.4	124.°92	4.°2/ 6.3	18
12 3	7 41.20	+33 23.7	2.042	2.847	13.5	20.3
12 13	7 35.27	+33 56.8	1.968	2.852	10.5	20.1
12 23	7 26.68	+34 25.2	1.918	2.857	7.2	19.9
1 2	7 16.26	+34 43.6	1.896	2.861	4.6	19.8
1 12	7 5.20	+34 48.0	1.902	2.866	4.8	19.8
1 22	6 54.81	+34 37.4	1.937	2.870	7.6	20.0
2 1	6 46.28	+34 13.3	1.999	2.874	10.8	20.2
2 11	6 40.41	+33 39.5	2.084	2.878	13.8	20.4
426071	2012 CD_{29}		1 7.4	136.°29	16.°3/11.9	18
12 3	8 37.88	−10 13.5	0.806	1.491	37.8	21.8
12 13	8 20.52	−10 29.8	0.755	1.541	31.9	21.6
12 23	7 56.22	− 9 48.6	0.717	1.583	25.2	21.3
1 2	7 26.82	− 7 55.7	0.700	1.619	19.0	21.1
1 12	6 56.35	− 4 55.4	0.712	1.647	16.3	21.1
1 22	6 29.35	− 1 14.7	0.755	1.668	18.8	21.4
2 1	6 8.85	+ 2 33.4	0.824	1.682	23.7	21.7
2 11	5 55.74	+ 6 5.4	0.913	1.689	28.4	22.1
171144	2005 GA_{66}		1 7.4	136.°32	0.°6/ 7.5	18
12 3	7 35.30	+19 48.2	2.469	3.268	11.7	20.9
12 13	7 30.20	+19 55.5	2.388	3.273	8.9	20.8
12 23	7 23.24	+20 7.2	2.332	3.278	5.6	20.6
1 2	7 14.99	+20 21.4	2.305	3.283	2.1	20.3
1 12	7 6.29	+20 36.4	2.307	3.287	1.7	20.3
1 22	6 57.99	+20 50.6	2.340	3.291	5.2	20.6
2 1	6 50.91	+21 3.0	2.402	3.296	8.5	20.8
2 11	6 45.69	+21 13.3	2.489	3.300	11.3	21.0

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
322425	2011 SB_{170}		1 7.4	131.°71	0.°1/ 7.4	18
	h m	° ′			°	m
12 3	7 41.75	+20 57.2	1.854	2.658	14.8	21.8
12 13	7 35.57	+21 11.7	1.783	2.671	11.2	21.6
12 23	7 26.82	+21 30.9	1.736	2.683	7.1	21.4
1 2	7 16.29	+21 52.1	1.717	2.695	2.5	21.1
1 12	7 5.18	+22 12.1	1.727	2.707	2.1	21.1
1 22	6 54.74	+22 28.6	1.766	2.717	6.6	21.4
2 1	6 46.12	+22 40.8	1.833	2.727	10.6	21.7
2 11	6 40.11	+22 48.9	1.924	2.737	14.0	21.9
322882	2001 WQ_{103}		1 7.4	304.°47	1.°1/ 7.8	18
12 3	7 36.53	+15 45.5	1.833	2.638	14.9	20.2
12 13	7 31.89	+16 36.0	1.747	2.634	11.4	19.9
12 23	7 24.72	+17 39.5	1.684	2.630	7.4	19.7
1 2	7 15.63	+18 52.6	1.648	2.626	2.9	19.4
1 12	7 5.69	+20 10.3	1.642	2.622	2.3	19.3
1 22	6 56.11	+21 26.9	1.665	2.619	6.7	19.6
2 1	6 48.08	+22 38.2	1.716	2.615	10.9	19.8
2 11	6 42.52	+23 41.3	1.791	2.612	14.6	20.1
293697	2007 PJ_{40}		1 7.4	115.°64	0.°8/ 7.2	18
12 3	7 43.03	+24 14.5	1.749	2.558	15.3	20.5
12 13	7 36.65	+24 19.1	1.681	2.572	11.6	20.3
12 23	7 27.53	+24 25.2	1.637	2.586	7.3	20.1
1 2	7 16.54	+24 29.5	1.620	2.599	2.6	19.8
1 12	7 5.00	+24 29.3	1.632	2.612	2.4	19.8
1 22	6 54.28	+24 23.4	1.674	2.624	7.0	20.1
2 1	6 45.57	+24 12.5	1.742	2.636	11.1	20.4
2 11	6 39.68	+23 58.2	1.834	2.648	14.5	20.6
28758	2000 HE_{10}		1 7.4	120.°31	0.°5/ 7.6	18
12 3	7 35.54	+19 39.3	2.611	3.407	11.2	19.2
12 13	7 30.24	+19 50.9	2.536	3.419	8.5	19.1
12 23	7 23.19	+20 6.7	2.486	3.431	5.4	18.9
1 2	7 14.96	+20 24.9	2.465	3.443	2.0	18.7
1 12	7 6.35	+20 43.7	2.475	3.455	1.6	18.7
1 22	6 58.15	+21 1.4	2.516	3.466	4.9	18.9
2 1	6 51.13	+21 17.0	2.585	3.477	8.0	19.1
2 11	6 45.87	+21 30.2	2.681	3.488	10.7	19.3
8516	Hyakkai		1 7.4	49.°40	3.°0/ 6.5	18
12 3	7 39.10	+27 48.7	1.647	2.469	15.5	17.2
12 13	7 34.00	+28 34.3	1.587	2.484	11.8	17.0
12 23	7 26.02	+29 20.2	1.550	2.499	7.6	16.8
1 2	7 16.05	+30 0.6	1.539	2.514	3.7	16.6
1 12	7 5.43	+30 30.3	1.556	2.530	4.0	16.6
1 22	6 55.63	+30 46.8	1.601	2.546	7.8	16.9
2 1	6 47.90	+30 50.4	1.671	2.562	11.7	17.2
2 11	6 43.08	+30 43.8	1.764	2.578	15.0	17.4
19908	4324 T_{-3}		1 7.4	79.°92	0.°6/ 7.2	18 R
12 3	7 37.39	+21 52.6	1.909	2.721	14.1	18.7
12 13	7 32.36	+22 25.8	1.835	2.727	10.7	18.5
12 23	7 24.87	+23 4.2	1.784	2.733	6.7	18.2
1 2	7 15.64	+23 44.2	1.761	2.740	2.4	18.0
1 12	7 5.76	+24 21.9	1.766	2.746	2.2	18.0
1 22	6 56.41	+24 54.1	1.801	2.752	6.5	18.3
2 1	6 48.71	+25 19.4	1.863	2.758	10.4	18.5
2 11	6 43.45	+25 37.7	1.949	2.764	13.7	18.7
432090	2008 YN_{154}		1 7.4	19.°97	1.°0/ 7.2	18
12 3	7 37.11	+25 39.7	2.081	2.892	13.1	21.2
12 13	7 31.93	+25 36.4	2.003	2.895	9.9	21.0
12 23	7 24.48	+25 32.9	1.949	2.897	6.3	20.7
1 2	7 15.47	+25 26.9	1.922	2.900	2.4	20.5
1 12	7 5.93	+25 16.5	1.924	2.903	2.2	20.5
1 22	6 56.97	+25 1.2	1.956	2.907	6.1	20.8
2 1	6 49.58	+24 41.5	2.016	2.911	9.8	21.0
2 11	6 44.49	+24 19.0	2.100	2.915	12.9	21.2
111019	2001 VD_{10}		1 7.4	122.°06	2.°5/ 7.8	18
12 3	7 39.96	+16 53.4	2.031	2.826	14.0	19.9
12 13	7 33.92	+16 18.1	1.957	2.836	10.8	19.7
12 23	7 25.64	+15 48.0	1.905	2.846	7.1	19.5
1 2	7 15.87	+15 23.3	1.882	2.855	3.5	19.3
1 12	7 5.62	+15 3.8	1.889	2.864	3.1	19.3
1 22	6 55.99	+14 49.4	1.925	2.873	6.4	19.5
2 1	6 47.95	+14 39.7	1.990	2.882	10.0	19.7
2 11	6 42.19	+14 34.0	2.079	2.890	13.2	20.0
296096	2009 BL_{34}		1 7.4	128.°33	1.°3/ 6.9	18
12 3	7 42.59	+24 40.0	1.987	2.789	14.0	22.0
12 13	7 36.10	+25 8.2	1.918	2.806	10.6	21.8
12 23	7 27.11	+25 38.3	1.874	2.821	6.6	21.6
1 2	7 16.42	+26 6.2	1.858	2.836	2.6	21.4
1 12	7 5.18	+26 28.3	1.873	2.851	2.6	21.4
1 22	6 54.62	+26 42.5	1.917	2.864	6.5	21.7
2 1	6 45.85	+26 48.7	1.989	2.877	10.2	21.9
2 11	6 39.62	+26 48.4	2.086	2.889	13.4	22.2

426197 2012 KV_1 1 7.4 215.°21 2.°1/ 8.0 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.30	+15 13.9	2.180	2.974	13.2	22.4
12 13	7 31.26	+15 17.9	2.091	2.970	10.2	22.2
12 23	7 24.08	+15 30.3	2.026	2.966	6.8	22.0
1 2	7 15.38	+15 50.1	1.988	2.961	3.3	21.8
1 12	7 6.04	+16 15.4	1.979	2.956	2.7	21.7
1 22	6 57.07	+16 43.9	2.001	2.951	6.0	21.9
2 1	6 49.42	+17 13.8	2.051	2.946	9.6	22.1
2 11	6 43.83	+17 43.1	2.125	2.940	12.8	22.3

233524 2007 HK_{11} 1 7.4 201.°35 1.°5/ 7.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.93	+17 9.5	2.042	2.834	14.0	22.2
12 13	7 34.93	+17 16.3	1.950	2.830	10.8	22.0
12 23	7 26.49	+17 30.6	1.882	2.825	7.0	21.7
1 2	7 16.26	+17 50.7	1.843	2.819	3.0	21.5
1 12	7 5.27	+18 14.2	1.833	2.812	2.4	21.4
1 22	6 54.68	+18 38.8	1.854	2.804	6.4	21.7
2 1	6 45.60	+19 2.7	1.903	2.795	10.4	21.9
2 11	6 38.88	+19 24.8	1.976	2.786	13.8	22.1

102393 1999 TA_{160} 1 7.4 43.°94 2.°0/ 7.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.79	+26 29.4	1.382	2.211	17.5	19.4
12 13	7 35.66	+26 43.3	1.322	2.223	13.3	19.2
12 23	7 27.23	+26 57.7	1.284	2.235	8.4	19.0
1 2	7 16.52	+27 7.7	1.270	2.248	3.4	18.7
1 12	7 5.13	+27 9.2	1.283	2.261	3.4	18.7
1 22	6 54.77	+27 1.1	1.323	2.275	8.2	19.1
2 1	6 46.86	+26 44.5	1.387	2.289	12.8	19.4
2 11	6 42.27	+26 22.3	1.474	2.303	16.7	19.6

228668 2002 JF_5 1 7.4 281.°78 6.°0/ 5.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.36	+36 27.3	2.029	2.834	13.6	20.2
12 13	7 35.02	+37 38.2	1.951	2.830	10.8	20.0
12 23	7 26.79	+38 44.3	1.897	2.826	8.0	19.8
1 2	7 16.41	+39 38.3	1.870	2.822	6.1	19.7
1 12	7 5.12	+40 14.1	1.871	2.819	6.6	19.7
1 22	6 54.34	+40 29.0	1.900	2.815	9.0	19.8
2 1	6 45.42	+40 23.9	1.955	2.811	11.9	20.0
2 11	6 39.34	+40 2.9	2.031	2.807	14.7	20.2

239033 2006 DY_{138} 1 7.4 162.°45 0.°9/ 7.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 41.70	+23 20.4	2.032	2.834	13.7	22.0
12 13	7 35.50	+23 49.6	1.954	2.841	10.4	21.8
12 23	7 26.81	+24 22.3	1.899	2.846	6.6	21.6
1 2	7 16.35	+24 54.5	1.873	2.852	2.4	21.3
1 12	7 5.22	+25 22.6	1.877	2.856	2.3	21.3
1 22	6 54.64	+25 44.0	1.911	2.860	6.4	21.6
2 1	6 45.72	+25 58.0	1.974	2.863	10.3	21.8
2 11	6 39.27	+26 5.4	2.060	2.865	13.5	22.0

220088 2002 SB_{16} 1 7.4 31.°81 0.°1/ 7.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.78	+24 20.9	1.906	2.716	14.2	19.6
12 13	7 33.97	+23 43.3	1.833	2.724	10.8	19.4
12 23	7 25.75	+23 4.7	1.784	2.732	6.8	19.1
1 2	7 15.92	+22 24.3	1.762	2.741	2.4	18.9
1 12	7 5.66	+21 42.0	1.770	2.750	2.1	18.9
1 22	6 56.14	+20 58.8	1.807	2.759	6.4	19.2
2 1	6 48.41	+20 16.4	1.872	2.769	10.3	19.4
2 11	6 43.16	+19 36.4	1.961	2.779	13.6	19.7

470390 2007 TX_{377} 1 7.4 141.°96 5.°3/ 5.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.93	+37 55.1	2.533	3.326	11.6	20.8
12 13	7 34.07	+38 55.0	2.461	3.331	9.2	20.7
12 23	7 25.87	+39 48.8	2.414	3.336	6.9	20.5
1 2	7 16.01	+40 31.1	2.394	3.341	5.4	20.5
1 12	7 5.52	+40 57.6	2.405	3.346	5.7	20.5
1 22	6 55.51	+41 6.6	2.443	3.351	7.6	20.6
2 1	6 47.05	+40 59.3	2.509	3.355	10.0	20.8
2 11	6 40.89	+40 38.7	2.599	3.359	12.2	20.9

404863 2014 KV_{25} 1 7.4 183.°33 2.°3/ 8.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.46	+15 5.4	2.082	2.870	13.9	22.0
12 13	7 34.44	+15 7.2	1.995	2.871	10.8	21.8
12 23	7 26.11	+15 17.6	1.932	2.871	7.2	21.5
1 2	7 16.11	+15 35.5	1.897	2.870	3.5	21.3
1 12	7 5.44	+15 58.9	1.893	2.869	2.8	21.3
1 22	6 55.21	+16 25.6	1.918	2.867	6.4	21.5
2 1	6 46.46	+16 53.5	1.972	2.864	10.1	21.7
2 11	6 39.98	+17 21.1	2.051	2.860	13.4	21.9

463941 2014 UK_{198} 1 7.4 21.°22 2.°4/ 7.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 35.70	+17 7.1	1.517	2.338	16.7	21.1
12 13	7 31.45	+16 49.5	1.450	2.345	12.8	20.9
12 23	7 24.45	+16 40.3	1.405	2.352	8.4	20.7
1 2	7 15.53	+16 38.9	1.385	2.361	3.8	20.4
1 12	7 5.98	+16 43.9	1.392	2.370	3.2	20.4
1 22	6 57.16	+16 53.3	1.425	2.380	7.5	20.7
2 1	6 50.27	+17 5.6	1.484	2.390	11.8	21.0
2 11	6 46.14	+17 19.0	1.565	2.401	15.5	21.2

121069 1999 CK_{149} 1 7.4 350.°09 1.°6/ 7.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 35.44	+25 1.3	1.083	1.936	19.7	19.4
12 13	7 32.62	+25 10.9	1.014	1.927	15.1	19.1
12 23	7 25.90	+25 23.8	0.963	1.920	9.6	18.8
1 2	7 16.22	+25 35.2	0.934	1.914	3.7	18.4
1 12	7 5.34	+25 40.1	0.930	1.909	3.6	18.4
1 22	6 55.33	+25 36.0	0.948	1.906	9.6	18.7
2 1	6 48.06	+25 23.4	0.989	1.905	15.2	19.0
2 11	6 44.70	+25 4.5	1.049	1.905	20.0	19.3

445608 2011 SD_{118} 1 7.4 40.°63 3.°1/ 8.0 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.35	+15 49.8	1.248	2.075	19.2	20.7
12 13	7 33.80	+15 33.3	1.193	2.090	14.8	20.5
12 23	7 26.04	+15 28.8	1.159	2.106	9.7	20.3
1 2	7 16.11	+15 35.5	1.148	2.123	4.7	20.0
1 12	7 5.54	+15 51.0	1.163	2.140	3.8	20.0
1 22	6 55.98	+16 12.4	1.203	2.158	8.4	20.4
2 1	6 48.79	+16 36.7	1.268	2.177	13.1	20.7
2 11	6 44.83	+17 1.6	1.354	2.196	17.2	21.0

172294 2002 TQ_{179} 1 7.4 132.°82 1.°2/ 7.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 43.24	+26 25.5	2.109	2.909	13.4	20.4
12 13	7 36.41	+26 20.9	2.037	2.922	10.1	20.2
12 23	7 27.22	+26 15.2	1.988	2.934	6.4	20.0
1 2	7 16.45	+26 5.4	1.968	2.946	2.5	19.8
1 12	7 5.23	+25 50.0	1.979	2.958	2.3	19.8
1 22	6 54.74	+25 28.5	2.020	2.968	6.2	20.1
2 1	6 45.99	+25 2.3	2.090	2.979	9.8	20.3
2 11	6 39.69	+24 33.5	2.185	2.988	12.9	20.5

413503 2005 QM_{84} 1 7.4 121.°56 1.°5/ 7.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.88	+25 56.3	1.894	2.706	14.2	21.2
12 13	7 34.29	+26 7.9	1.818	2.709	10.8	20.9
12 23	7 26.11	+26 20.0	1.765	2.713	6.8	20.7
1 2	7 16.12	+26 29.1	1.739	2.717	2.7	20.5
1 12	7 5.49	+26 32.2	1.742	2.720	2.7	20.5
1 22	6 55.50	+26 28.0	1.774	2.724	6.8	20.7
2 1	6 47.29	+26 17.0	1.834	2.727	10.7	21.0
2 11	6 41.68	+26 0.8	1.917	2.730	14.0	21.2

399114 2014 DD_{97} 1 7.4 306.°76 2.°0/ 7.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.34	+17 10.4	1.308	2.132	18.6	21.5
12 13	7 34.87	+17 11.9	1.232	2.128	14.4	21.2
12 23	7 27.00	+17 24.8	1.176	2.125	9.4	20.9
1 2	7 16.57	+17 47.3	1.144	2.121	4.0	20.6
1 12	7 5.06	+18 15.9	1.138	2.117	3.2	20.5
1 22	6 54.21	+18 47.0	1.158	2.114	8.6	20.8
2 1	6 45.64	+19 17.4	1.203	2.110	13.8	21.1
2 11	6 40.46	+19 45.4	1.268	2.107	18.3	21.4

108603 2001 MG_{19} 1 7.4 100.°08 4.°3/ 8.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.88	+10 25.0	2.076	2.853	14.3	20.0
12 13	7 33.66	+ 9 54.2	2.015	2.878	11.3	19.8
12 23	7 25.39	+ 9 34.2	1.977	2.903	8.0	19.7
1 2	7 15.79	+ 9 25.7	1.967	2.927	5.1	19.5
1 12	7 5.85	+ 9 28.1	1.986	2.950	4.5	19.5
1 22	6 56.56	+ 9 40.2	2.034	2.973	6.9	19.7
2 1	6 48.81	+ 9 59.7	2.111	2.996	9.9	19.9
2 11	6 43.21	+10 24.1	2.212	3.017	12.7	20.2

425521 2010 LD_{85} 1 7.4 195.°54 3.°0/ 6.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 37.09	+31 38.0	2.905	3.701	10.2	21.8
12 13	7 31.56	+32 22.1	2.819	3.699	7.8	21.6
12 23	7 24.16	+33 4.2	2.758	3.696	5.3	21.5
1 2	7 15.41	+33 40.7	2.727	3.693	3.3	21.3
1 12	7 6.10	+34 8.2	2.726	3.689	3.6	21.4
1 22	6 57.12	+34 25.1	2.756	3.686	5.8	21.5
2 1	6 49.28	+34 31.2	2.815	3.681	8.3	21.7
2 11	6 43.25	+34 28.0	2.898	3.677	10.7	21.8

54352 2000 KK_{31} 1 7.4 262.°02 0.°8/ 7.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.79	+20 24.6	1.633	2.446	16.0	18.9
12 13	7 35.57	+20 20.8	1.538	2.430	12.4	18.6
12 23	7 27.30	+20 22.4	1.465	2.413	8.0	18.3
1 2	7 16.67	+20 27.4	1.418	2.397	3.0	18.0
1 12	7 4.96	+20 33.1	1.399	2.379	2.5	17.9
1 22	6 53.66	+20 37.6	1.409	2.362	7.7	18.2
2 1	6 44.23	+20 40.3	1.444	2.344	12.5	18.4
2 11	6 37.77	+20 41.1	1.502	2.326	16.7	18.6

171134 2005 GC_{41} 1 7.4 261.°22 0.°0/ 7.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 35.28	+21 6.2	2.384	3.186	11.9	20.6
12 13	7 30.43	+21 22.0	2.289	3.176	9.1	20.4
12 23	7 23.56	+21 42.1	2.219	3.166	5.7	20.2
1 2	7 15.22	+22 4.2	2.177	3.156	2.1	19.9
1 12	7 6.26	+22 26.0	2.166	3.146	1.8	19.9
1 22	6 57.61	+22 45.6	2.184	3.135	5.5	20.1
2 1	6 50.17	+23 1.7	2.231	3.125	9.0	20.3
2 11	6 44.69	+23 14.1	2.303	3.114	12.0	20.5

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
20828 Linchen			1 7.4	186.°95	1.°8/ 7.9	18
	h m	° ′			°	m
12 3	7 39.25	+15 47.4	1.883	2.681	14.8	18.5
12 13	7 33.81	+16 2.6	1.799	2.681	11.4	18.3
12 23	7 25.86	+16 27.6	1.738	2.680	7.5	18.1
1 2	7 16.07	+17 0.7	1.704	2.679	3.3	17.8
1 12	7 5.53	+17 38.9	1.699	2.678	2.6	17.8
1 22	6 55.45	+18 19.0	1.724	2.676	6.7	18.0
2 1	6 46.96	+18 58.1	1.777	2.673	10.8	18.3
2 11	6 40.94	+19 34.5	1.853	2.670	14.3	18.5
95811 2003 FB_{57}			1 7.4	220.°90	3.°2/ 8.4	18
12 3	7 36.38	+12 6.1	2.293	3.076	13.0	20.7
12 13	7 31.23	+11 58.5	2.199	3.068	10.2	20.5
12 23	7 24.05	+12 0.3	2.128	3.060	7.1	20.3
1 2	7 15.40	+12 11.7	2.085	3.052	4.1	20.1
1 12	7 6.12	+12 31.5	2.072	3.043	3.5	20.0
1 22	6 57.15	+12 58.0	2.088	3.034	6.2	20.2
2 1	6 49.40	+13 29.0	2.133	3.024	9.5	20.4
2 11	6 43.60	+14 2.4	2.203	3.014	12.5	20.6
98260 2000 SL_{182}			1 7.4	155.°29	0.°4/ 7.5	18
12 3	7 41.27	+19 4.1	2.016	2.813	14.0	20.1
12 13	7 35.14	+19 34.5	1.938	2.822	10.7	19.9
12 23	7 26.58	+20 12.0	1.884	2.830	6.8	19.6
1 2	7 16.31	+20 53.4	1.859	2.837	2.5	19.4
1 12	7 5.37	+21 34.9	1.864	2.844	2.0	19.4
1 22	6 54.96	+22 13.3	1.899	2.850	6.3	19.7
2 1	6 46.14	+22 46.7	1.963	2.855	10.1	19.9
2 11	6 39.74	+23 14.4	2.052	2.859	13.4	20.1
221749 2007 EQ_{196}			1 7.4	317.°39	5.°5/ 5.8	18
12 3	7 39.76	+34 30.4	1.798	2.612	14.7	20.0
12 13	7 34.81	+35 24.4	1.717	2.604	11.6	19.8
12 23	7 26.79	+36 14.2	1.659	2.597	8.2	19.5
1 2	7 16.48	+36 52.7	1.628	2.589	5.7	19.4
1 12	7 5.21	+37 14.0	1.623	2.582	6.2	19.4
1 22	6 54.52	+37 15.5	1.647	2.575	9.1	19.5
2 1	6 45.86	+36 58.5	1.695	2.568	12.5	19.7
2 11	6 40.24	+36 27.3	1.765	2.562	15.7	19.9
51656 2001 JD			1 7.4	67.°52	0.°3/ 7.3	18 R
12 3	7 40.00	+18 52.5	1.596	2.409	16.3	17.8
12 13	7 34.62	+19 58.0	1.538	2.430	12.3	17.6
12 23	7 26.43	+21 13.5	1.502	2.452	7.7	17.4
1 2	7 16.27	+22 33.4	1.494	2.473	2.7	17.1
1 12	7 5.46	+23 50.8	1.514	2.494	2.4	17.2
1 22	6 55.39	+25 0.1	1.563	2.515	7.2	17.5
2 1	6 47.33	+25 58.1	1.640	2.537	11.5	17.8
2 11	6 42.12	+26 44.2	1.739	2.558	15.0	18.1
117018 2004 JB_9			1 7.4	201.°74	1.°1/ 7.1	18
12 3	7 39.37	+24 46.9	2.368	3.167	12.1	20.8
12 13	7 33.53	+25 5.7	2.277	3.163	9.2	20.6
12 23	7 25.51	+25 25.9	2.212	3.158	5.8	20.4
1 2	7 15.93	+25 44.7	2.175	3.153	2.2	20.1
1 12	7 5.71	+25 59.1	2.169	3.147	2.2	20.1
1 22	6 55.90	+26 7.7	2.193	3.141	5.8	20.4
2 1	6 47.45	+26 9.9	2.247	3.134	9.3	20.6
2 11	6 41.12	+26 6.8	2.325	3.126	12.3	20.7
318893 2005 TK_{164}			1 7.4	238.°47	0.°5/ 7.5	18
12 3	7 37.92	+20 36.9	1.960	2.767	14.0	20.8
12 13	7 32.75	+20 37.5	1.874	2.764	10.7	20.5
12 23	7 25.16	+20 42.7	1.812	2.760	6.8	20.3
1 2	7 15.83	+20 50.3	1.778	2.756	2.5	20.0
1 12	7 5.82	+20 58.3	1.772	2.752	2.1	20.0
1 22	6 56.28	+21 5.1	1.796	2.748	6.4	20.3
2 1	6 48.31	+21 9.9	1.847	2.744	10.4	20.5
2 11	6 42.73	+21 12.6	1.922	2.740	13.8	20.7
130841 2000 UG_{52}			1 7.4	47.°08	0.°6/ 7.3	18
12 3	7 39.74	+22 13.5	1.329	2.159	18.1	19.6
12 13	7 34.92	+22 34.6	1.271	2.173	13.7	19.4
12 23	7 26.82	+23 1.6	1.234	2.187	8.6	19.1
1 2	7 16.44	+23 30.1	1.222	2.201	3.0	18.9
1 12	7 5.36	+23 55.4	1.236	2.216	2.7	18.9
1 22	6 55.24	+24 14.3	1.276	2.231	8.1	19.2
2 1	6 47.51	+24 26.0	1.342	2.247	12.9	19.6
2 11	6 43.09	+24 31.3	1.428	2.262	16.9	19.8
332834 2010 AP_{60}			1 7.4	350.°85	2.°3/ 7.8	18
12 3	7 36.68	+17 11.8	2.046	2.847	13.7	20.5
12 13	7 31.60	+16 40.6	1.963	2.846	10.5	20.3
12 23	7 24.32	+16 14.4	1.903	2.845	7.0	20.1
1 2	7 15.50	+15 53.4	1.871	2.844	3.4	19.9
1 12	7 6.13	+15 37.4	1.867	2.844	2.9	19.8
1 22	6 57.24	+15 25.9	1.894	2.843	6.4	20.0
2 1	6 49.83	+15 18.5	1.947	2.843	10.0	20.3
2 11	6 44.61	+15 14.5	2.025	2.843	13.2	20.5

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
218730 2005 UH_{255}			1 7.4	287.°44	2.°6/ 8.1	18
	h m	° ′			°	m
12 3	7 36.54	+14 52.5	1.886	2.687	14.7	20.9
12 13	7 31.71	+14 47.5	1.804	2.687	11.4	20.7
12 23	7 24.50	+14 51.9	1.746	2.687	7.6	20.5
1 2	7 15.60	+15 4.9	1.713	2.686	3.8	20.3
1 12	7 6.03	+15 25.0	1.710	2.686	3.2	20.2
1 22	6 56.94	+15 49.8	1.735	2.686	6.7	20.4
2 1	6 49.39	+16 17.2	1.787	2.686	10.6	20.7
2 11	6 44.18	+16 45.1	1.863	2.686	14.0	20.9
405155 2002 TY_{97}			1 7.4	172.°76	4.°3/ 6.8	18
12 3	7 45.66	+34 32.5	1.913	2.715	14.5	20.9
12 13	7 38.81	+34 45.0	1.835	2.716	11.3	20.7
12 23	7 29.02	+34 50.3	1.781	2.718	7.8	20.5
1 2	7 17.19	+34 42.9	1.753	2.719	4.8	20.3
1 12	7 4.71	+34 19.6	1.754	2.720	4.9	20.3
1 22	6 53.07	+33 40.3	1.785	2.720	8.0	20.5
2 1	6 43.56	+32 48.5	1.842	2.720	11.5	20.7
2 11	6 37.04	+31 49.0	1.924	2.720	14.6	20.9
497104 2004 CX			1 7.4	356.°83	0.°2/ 7.3	18
12 3	7 34.75	+22 13.3	1.821	2.641	14.4	20.6
12 13	7 30.55	+22 24.9	1.742	2.638	10.9	20.4
12 23	7 23.85	+22 40.7	1.686	2.636	6.9	20.2
1 2	7 15.38	+22 58.1	1.656	2.635	2.5	19.9
1 12	7 6.22	+23 14.1	1.654	2.634	2.2	19.8
1 22	6 57.58	+23 26.7	1.680	2.634	6.6	20.1
2 1	6 50.59	+23 35.0	1.733	2.634	10.7	20.4
2 11	6 46.06	+23 38.9	1.809	2.635	14.2	20.6
389631 2011 KR_5			1 7.4	135.°01	3.°1/ 6.5	18
12 3	7 43.81	+26 59.7	1.563	2.380	16.5	21.1
12 13	7 37.90	+27 53.6	1.494	2.388	12.5	20.9
12 23	7 28.72	+28 49.8	1.448	2.396	8.1	20.7
1 2	7 17.17	+29 41.2	1.428	2.404	3.9	20.4
1 12	7 4.72	+30 21.3	1.437	2.411	4.2	20.5
1 22	6 53.04	+30 46.4	1.473	2.417	8.4	20.7
2 1	6 43.65	+30 56.6	1.535	2.423	12.7	21.0
2 11	6 37.53	+30 54.8	1.620	2.429	16.4	21.3
468108 2013 WO_{97}			1 7.4	64.°99	3.°1/ 6.2	18
12 3	7 37.08	+29 4.9	2.217	3.026	12.5	20.9
12 13	7 31.98	+29 59.6	2.146	3.035	9.5	20.7
12 23	7 24.61	+30 54.1	2.100	3.044	6.3	20.5
1 2	7 15.63	+31 43.5	2.082	3.053	3.5	20.4
1 12	7 6.04	+32 23.3	2.094	3.063	3.8	20.4
1 22	6 56.95	+32 51.0	2.135	3.072	6.7	20.6
2 1	6 49.36	+33 6.3	2.203	3.081	9.8	20.8
2 11	6 44.04	+33 10.7	2.296	3.091	12.6	21.0
433908 2015 BW_{467}			1 7.4	244.°25	11.°7/ 7.0	16
12 3	8 0.89	+46 7.8	1.213	2.011	21.4	21.0
12 13	7 53.06	+46 50.2	1.140	2.003	18.0	20.7
12 23	7 39.33	+47 12.0	1.084	1.994	14.6	20.5
1 2	7 21.11	+46 56.6	1.050	1.985	12.0	20.3
1 12	7 1.43	+45 53.0	1.039	1.976	12.1	20.3
1 22	6 43.75	+44 3.3	1.053	1.966	14.7	20.4
2 1	6 30.72	+41 40.7	1.090	1.955	18.6	20.6
2 11	6 23.51	+39 3.4	1.147	1.945	22.4	20.8
14978 1997 SD_{25}			1 7.4	15.°86	5.°5/ 9.0	18
12 3	7 33.65	+ 7 5.0	2.028	2.807	14.5	17.9
12 13	7 29.30	+ 6 36.1	1.949	2.809	11.8	17.7
12 23	7 22.87	+ 6 20.7	1.892	2.811	8.8	17.5
1 2	7 15.00	+ 6 20.5	1.861	2.813	6.2	17.4
1 12	7 6.58	+ 6 35.3	1.858	2.815	5.6	17.3
1 22	6 58.59	+ 7 3.4	1.883	2.818	7.6	17.5
2 1	6 51.94	+ 7 41.9	1.934	2.821	10.5	17.7
2 11	6 47.33	+ 8 27.0	2.009	2.825	13.4	17.8
248906 2006 VX_{14}			1 7.4	240.°36	3.°5/ 6.4	18
12 3	7 40.61	+30 4.9	1.899	2.711	14.2	21.0
12 13	7 35.16	+30 47.0	1.815	2.705	10.9	20.7
12 23	7 26.88	+31 28.2	1.754	2.698	7.3	20.5
1 2	7 16.51	+32 2.8	1.721	2.692	4.1	20.3
1 12	7 5.26	+32 25.8	1.716	2.685	4.4	20.3
1 22	6 54.52	+32 34.6	1.739	2.678	7.8	20.5
2 1	6 45.61	+32 29.6	1.789	2.671	11.5	20.7
2 11	6 39.48	+32 13.7	1.862	2.664	14.8	20.9
193211 2000 QC_{212}			1 7.4	74.°05	0.°4/ 7.3	17
12 3	7 42.93	+22 22.1	1.460	2.279	17.3	20.5
12 13	7 36.92	+22 38.0	1.407	2.302	13.1	20.3
12 23	7 27.86	+22 58.4	1.375	2.325	8.2	20.1
1 2	7 16.77	+23 19.4	1.369	2.348	2.9	19.8
1 12	7 5.16	+23 36.8	1.391	2.371	2.5	19.9
1 22	6 54.58	+23 48.5	1.441	2.394	7.6	20.2
2 1	6 46.34	+23 54.2	1.516	2.416	12.0	20.5
2 11	6 41.23	+23 55.0	1.614	2.438	15.7	20.8

36915 2000 SP_{195} 1 7.4 192.°64 1.°8/ 6.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.27	+25 50.5	1.808	2.618	14.8	20.5
12 13	7 36.35	+26 13.6	1.726	2.617	11.3	20.3
12 23	7 27.59	+26 38.2	1.668	2.616	7.2	20.0
1 2	7 16.75	+26 59.8	1.636	2.614	3.0	19.8
1 12	7 5.09	+27 14.5	1.634	2.611	3.0	19.8
1 22	6 54.02	+27 20.0	1.660	2.608	7.3	20.0
2 1	6 44.85	+27 16.6	1.714	2.605	11.4	20.3
2 11	6 38.50	+27 6.2	1.791	2.601	15.0	20.5

222427 2001 OK_{38} 1 7.4 121.°51 1.°4/ 6.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 32.58	+27 12.0	3.602	4.398	8.4	20.8
12 13	7 27.72	+27 41.5	3.526	4.410	6.3	20.6
12 23	7 21.54	+28 10.9	3.477	4.421	4.0	20.5
1 2	7 14.46	+28 37.9	3.458	4.433	1.9	20.4
1 12	7 7.07	+29 0.7	3.470	4.444	2.0	20.4
1 22	6 59.96	+29 18.0	3.514	4.455	4.1	20.5
2 1	6 53.71	+29 29.5	3.587	4.466	6.4	20.7
2 11	6 48.77	+29 35.5	3.687	4.477	8.4	20.9

411444 2010 WF_{50} 1 7.4 32.°29 1.°4/ 7.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.89	+24 3.2	1.656	2.478	15.5	20.9
12 13	7 33.15	+24 33.9	1.585	2.482	11.7	20.7
12 23	7 25.60	+25 8.4	1.536	2.487	7.4	20.4
1 2	7 16.03	+25 42.4	1.514	2.492	2.8	20.2
1 12	7 5.73	+26 11.3	1.519	2.498	2.8	20.2
1 22	6 56.07	+26 32.3	1.553	2.504	7.3	20.5
2 1	6 48.35	+26 44.5	1.612	2.510	11.6	20.7
2 11	6 43.43	+26 49.0	1.694	2.516	15.2	21.0

97974 2000 QD_{167} 1 7.4 167.°55 1.°7/ 7.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.83	+17 37.2	1.852	2.652	14.9	20.7
12 13	7 34.98	+17 34.4	1.772	2.656	11.5	20.5
12 23	7 26.58	+17 38.8	1.715	2.659	7.4	20.2
1 2	7 16.36	+17 48.7	1.686	2.662	3.2	20.0
1 12	7 5.45	+18 2.2	1.685	2.664	2.6	19.9
1 22	6 55.11	+18 17.1	1.714	2.666	6.7	20.2
2 1	6 46.48	+18 32.2	1.771	2.667	10.8	20.5
2 11	6 40.40	+18 46.6	1.852	2.668	14.3	20.7

362156 2009 DJ_{133} 1 7.4 204.°56 4.°1/ 6.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.98	+32 16.3	2.011	2.815	13.8	21.7
12 13	7 36.84	+32 58.2	1.927	2.811	10.7	21.4
12 23	7 27.88	+33 37.1	1.868	2.807	7.3	21.2
1 2	7 16.86	+34 7.1	1.835	2.802	4.5	21.0
1 12	7 5.01	+34 23.3	1.832	2.797	4.8	21.1
1 22	6 53.71	+34 23.7	1.858	2.791	7.9	21.2
2 1	6 44.25	+34 9.3	1.911	2.785	11.3	21.4
2 11	6 37.57	+33 43.7	1.987	2.778	14.4	21.6

495490 2014 UZ_{102} 1 7.4 43.°18 0.°9/ 7.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.73	+18 26.6	1.739	2.552	15.2	21.4
12 13	7 32.05	+18 44.5	1.666	2.558	11.6	21.2
12 23	7 24.80	+19 10.6	1.616	2.564	7.4	20.9
1 2	7 15.73	+19 42.4	1.592	2.570	2.9	20.7
1 12	7 6.00	+20 16.5	1.597	2.577	2.3	20.6
1 22	6 56.84	+20 49.6	1.630	2.584	6.7	20.9
2 1	6 49.42	+21 19.6	1.689	2.591	10.9	21.2
2 11	6 44.55	+21 45.3	1.772	2.598	14.5	21.4

372159 2008 SF_{310} 1 7.4 35.°62 4.°2/ 6.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.67	+33 24.0	1.961	2.772	13.8	20.5
12 13	7 34.24	+33 53.6	1.890	2.777	10.7	20.3
12 23	7 26.14	+34 18.2	1.842	2.782	7.4	20.1
1 2	7 16.20	+34 32.7	1.821	2.787	4.6	19.9
1 12	7 5.64	+34 33.3	1.829	2.793	4.8	20.0
1 22	6 55.79	+34 19.1	1.864	2.799	7.7	20.1
2 1	6 47.82	+33 51.8	1.927	2.805	11.0	20.3
2 11	6 42.52	+33 15.1	2.012	2.812	13.9	20.6

85091 4112 $T\text{-}_2$ 1 7.4 56.°61 1.°9/ 8.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 34.74	+15 33.0	2.123	2.922	13.3	19.5
12 13	7 30.02	+15 41.2	2.053	2.935	10.2	19.4
12 23	7 23.27	+15 57.8	2.006	2.948	6.7	19.2
1 2	7 15.14	+16 21.3	1.986	2.960	3.1	19.0
1 12	7 6.55	+16 49.7	1.996	2.973	2.5	18.9
1 22	6 58.45	+17 20.5	2.035	2.987	5.8	19.2
2 1	6 51.73	+17 51.6	2.102	3.000	9.3	19.4
2 11	6 47.05	+18 21.4	2.194	3.013	12.3	19.6

163794 2003 QE_{54} 1 7.4 117.°10 3.°0/ 6.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 43.82	+28 43.6	1.845	2.652	14.7	20.2
12 13	7 37.33	+29 21.9	1.780	2.668	11.2	20.0
12 23	7 28.06	+29 59.2	1.740	2.684	7.3	19.8
1 2	7 16.88	+30 29.7	1.726	2.700	3.6	19.6
1 12	7 5.10	+30 49.3	1.742	2.715	3.8	19.6
1 22	6 54.11	+30 55.8	1.787	2.729	7.4	19.9
2 1	6 45.14	+30 50.5	1.860	2.743	11.1	20.1
2 11	6 39.00	+30 36.0	1.955	2.756	14.3	20.4

461733 2005 TY_{159} 1 7.4 359.°37 1.°6/ 7.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.01	+18 41.6	1.680	2.495	15.6	21.2
12 13	7 32.36	+18 26.8	1.602	2.494	11.9	20.9
12 23	7 25.05	+18 18.1	1.546	2.494	7.7	20.7
1 2	7 15.85	+18 14.5	1.516	2.493	3.3	20.4
1 12	7 5.94	+18 14.7	1.514	2.493	2.7	20.4
1 22	6 56.62	+18 17.1	1.540	2.494	7.1	20.6
2 1	6 49.08	+18 20.8	1.592	2.495	11.4	20.9
2 11	6 44.19	+18 25.1	1.667	2.496	15.1	21.1

484143 2006 TY_{29} 1 7.4 48.°45 4.°8/ 8.4 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.19	+12 58.6	1.064	1.894	21.6	20.7
12 13	7 35.55	+12 31.6	1.016	1.912	16.9	20.4
12 23	7 27.32	+12 21.7	0.987	1.931	11.5	20.2
1 2	7 16.65	+12 29.4	0.979	1.950	6.4	20.0
1 12	7 5.34	+12 52.2	0.996	1.971	5.4	20.0
1 22	6 55.23	+13 25.9	1.037	1.991	9.6	20.3
2 1	6 47.85	+14 5.9	1.102	2.012	14.5	20.6
2 11	6 44.07	+14 47.5	1.186	2.034	18.7	21.0

469264 2016 JR_{30} 1 7.4 281.°79 1.°8/ 6.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.21	+25 2.1	2.223	3.032	12.5	20.6
12 13	7 31.40	+25 52.4	2.136	3.027	9.5	20.4
12 23	7 24.33	+26 46.2	2.074	3.022	6.0	20.2
1 2	7 15.60	+27 39.3	2.040	3.017	2.6	19.9
1 12	7 6.14	+28 27.2	2.036	3.012	2.8	19.9
1 22	6 57.01	+29 6.7	2.061	3.006	6.3	20.1
2 1	6 49.25	+29 36.4	2.115	3.001	9.8	20.4
2 11	6 43.67	+29 56.5	2.193	2.996	12.8	20.5

341519 2007 TD_{429} 1 7.4 172.°05 0.°9/ 7.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 35.24	+18 42.9	2.751	3.542	10.8	22.0
12 13	7 30.03	+18 44.1	2.665	3.545	8.2	21.8
12 23	7 23.14	+18 49.5	2.604	3.547	5.3	21.7
1 2	7 15.09	+18 57.8	2.572	3.548	2.1	21.4
1 12	7 6.61	+19 7.8	2.570	3.550	1.7	21.4
1 22	6 58.48	+19 18.1	2.600	3.551	4.8	21.6
2 1	6 51.42	+19 28.1	2.660	3.551	7.8	21.8
2 11	6 46.02	+19 37.0	2.745	3.552	10.4	22.0

131720 2001 YG_{78} 1 7.4 23.°99 1.°6/ 7.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.65	+22 57.4	1.039	1.890	20.4	18.9
12 13	7 33.36	+23 38.5	0.988	1.901	15.5	18.6
12 23	7 26.23	+24 27.4	0.956	1.913	9.7	18.3
1 2	7 16.35	+25 17.2	0.947	1.927	3.6	18.1
1 12	7 5.60	+26 0.7	0.962	1.941	3.6	18.1
1 22	6 55.98	+26 32.7	1.001	1.957	9.4	18.5
2 1	6 49.21	+26 52.1	1.062	1.975	14.7	18.8
2 11	6 46.26	+27 0.3	1.142	1.993	19.1	19.2

379959 2012 QD_2 1 7.4 176.°69 1.°0/ 7.7 16

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.04	+18 52.2	2.579	3.373	11.4	22.0
12 13	7 30.74	+18 49.3	2.493	3.374	8.7	21.8
12 23	7 23.64	+18 50.6	2.431	3.375	5.6	21.6
1 2	7 15.29	+18 54.9	2.399	3.376	2.3	21.4
1 12	7 6.47	+19 0.9	2.397	3.376	1.8	21.4
1 22	6 58.03	+19 7.5	2.426	3.376	5.1	21.6
2 1	6 50.75	+19 13.9	2.483	3.376	8.3	21.8
2 11	6 45.25	+19 19.6	2.567	3.375	11.0	22.0

11558 1993 FY_8 1 7.4 148.°03 1.°6/ 6.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.50	+25 34.5	2.176	2.982	12.8	19.1
12 13	7 33.03	+26 4.8	2.098	2.987	9.7	18.9
12 23	7 25.27	+26 36.7	2.044	2.991	6.1	18.7
1 2	7 15.91	+27 6.4	2.018	2.995	2.5	18.5
1 12	7 5.94	+27 30.5	2.022	2.999	2.6	18.5
1 22	6 56.46	+27 46.9	2.056	3.003	6.2	18.7
2 1	6 48.48	+27 55.2	2.118	3.006	9.7	19.0
2 11	6 42.77	+27 56.3	2.204	3.009	12.7	19.2

323123 2003 AJ_{68} 1 7.4 42.°87 5.°4/ 5.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.42	+30 50.3	1.469	2.297	16.8	19.6
12 13	7 35.59	+32 20.2	1.415	2.311	12.9	19.4
12 23	7 27.38	+33 49.2	1.383	2.327	8.8	19.2
1 2	7 16.74	+35 7.7	1.376	2.343	5.7	19.1
1 12	7 5.24	+36 7.2	1.397	2.360	6.3	19.2
1 22	6 54.62	+36 43.9	1.444	2.377	9.7	19.4
2 1	6 46.41	+36 58.5	1.515	2.394	13.4	19.7
2 11	6 41.60	+36 55.3	1.608	2.412	16.7	19.9

494684 2003 WO_{163} 1 7.4 101.°51 2.°7/ 6.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.33	+29 25.5	2.389	3.190	11.9	21.7
12 13	7 33.41	+30 7.6	2.325	3.210	9.1	21.6
12 23	7 25.37	+30 48.2	2.286	3.228	5.9	21.4
1 2	7 15.91	+31 23.1	2.275	3.247	3.2	21.3
1 12	7 5.98	+31 48.8	2.295	3.265	3.4	21.3
1 22	6 56.62	+32 3.5	2.346	3.283	6.2	21.5
2 1	6 48.74	+32 7.7	2.424	3.301	9.1	21.7
2 11	6 43.02	+32 3.0	2.527	3.318	11.7	21.9

417200 2005 XA_4 1 7.4 71.°38 2.°5/ 7.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.96	+17 21.9	1.814	2.614	15.2	21.1
12 13	7 34.79	+16 44.1	1.754	2.637	11.6	20.9
12 23	7 26.25	+16 12.2	1.718	2.660	7.6	20.7
1 2	7 16.20	+15 46.2	1.710	2.683	3.7	20.6
1 12	7 5.79	+15 26.0	1.730	2.706	3.1	20.6
1 22	6 56.20	+15 11.3	1.780	2.729	6.7	20.8
2 1	6 48.44	+15 1.5	1.857	2.752	10.5	21.1
2 11	6 43.16	+14 55.9	1.957	2.774	13.7	21.4

87732 2000 SQ_{55} 1 7.4 51.°63 2.°5/ 8.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.71	+15 29.0	1.784	2.590	15.2	19.6
12 13	7 31.90	+15 20.6	1.712	2.597	11.7	19.4
12 23	7 24.65	+15 21.4	1.661	2.604	7.8	19.1
1 2	7 15.70	+15 30.6	1.638	2.611	3.8	18.9
1 12	7 6.16	+15 46.4	1.642	2.619	3.1	18.9
1 22	6 57.20	+16 6.8	1.675	2.626	6.8	19.1
2 1	6 49.90	+16 29.5	1.734	2.634	10.7	19.4
2 11	6 45.04	+16 52.8	1.817	2.642	14.2	19.6

81935 2000 OT_{29} 1 7.4 180.°01 0.°7/ 7.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 35.91	+20 21.9	2.507	3.305	11.6	19.2
12 13	7 30.70	+20 12.2	2.421	3.305	8.8	19.0
12 23	7 23.64	+20 5.4	2.360	3.305	5.6	18.8
1 2	7 15.30	+20 0.4	2.327	3.305	2.2	18.6
1 12	7 6.51	+19 56.2	2.325	3.305	1.8	18.5
1 22	6 58.11	+19 52.1	2.354	3.305	5.2	18.8
2 1	6 50.93	+19 47.6	2.411	3.305	8.4	19.0
2 11	6 45.58	+19 42.7	2.494	3.304	11.3	19.2

84166 2002 RP_{95} 1 7.4 69.°29 1.°5/ 7.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 44.16	+24 40.6	1.265	2.094	18.9	19.8
12 13	7 38.38	+25 0.1	1.212	2.113	14.3	19.6
12 23	7 29.04	+25 22.4	1.180	2.132	9.0	19.3
1 2	7 17.29	+25 42.0	1.172	2.151	3.4	19.0
1 12	7 4.90	+25 54.3	1.191	2.170	3.2	19.1
1 22	6 53.71	+25 57.2	1.237	2.190	8.5	19.4
2 1	6 45.24	+25 51.5	1.307	2.209	13.4	19.8
2 11	6 40.36	+25 39.8	1.398	2.228	17.4	20.1

401897 2001 SM_{224} 1 7.4 41.°68 3.°7/ 8.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.20	+12 21.9	1.580	2.387	16.8	20.7
12 13	7 31.74	+12 17.5	1.514	2.397	13.1	20.5
12 23	7 24.64	+12 26.9	1.469	2.408	8.9	20.2
1 2	7 15.72	+12 49.5	1.450	2.419	5.0	20.0
1 12	7 6.17	+13 23.0	1.457	2.431	4.1	20.0
1 22	6 57.28	+14 4.0	1.492	2.443	7.6	20.3
2 1	6 50.21	+14 48.8	1.553	2.455	11.6	20.5
2 11	6 45.78	+15 33.9	1.636	2.468	15.2	20.8

256058 2006 UA_{132} 1 7.4 35.°02 4.°9/ 6.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 42.16	+32 47.9	1.326	2.157	18.1	19.8
12 13	7 36.94	+33 12.3	1.275	2.173	13.9	19.6
12 23	7 28.15	+33 30.1	1.244	2.190	9.4	19.4
1 2	7 16.97	+33 34.7	1.237	2.208	5.5	19.2
1 12	7 5.20	+33 21.6	1.257	2.226	5.6	19.3
1 22	6 54.70	+32 51.0	1.302	2.246	9.4	19.6
2 1	6 46.95	+32 7.0	1.371	2.266	13.5	19.8
2 11	6 42.78	+31 15.1	1.462	2.286	17.1	20.1

9934 Caccioppoli 1 7.4 145.°38 7.°4/ 5.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 48.57	+43 56.3	2.298	3.071	13.2	18.7
12 13	7 41.02	+45 0.5	2.234	3.083	10.9	18.6
12 23	7 30.47	+45 53.5	2.194	3.094	8.8	18.5
1 2	7 17.81	+46 27.7	2.181	3.104	7.5	18.4
1 12	7 4.45	+46 38.2	2.196	3.113	7.8	18.4
1 22	6 51.90	+46 24.1	2.239	3.122	9.4	18.5
2 1	6 41.51	+45 48.7	2.308	3.130	11.6	18.7
2 11	6 34.17	+44 57.9	2.399	3.137	13.7	18.9

373819 2002 WH_{27} 1 7.4 56.°91 0.°7/ 7.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 37.23	+21 59.1	1.983	2.793	13.7	20.3
12 13	7 32.06	+22 40.5	1.925	2.816	10.3	20.1
12 23	7 24.63	+23 26.4	1.891	2.840	6.4	19.9
1 2	7 15.68	+24 12.9	1.884	2.863	2.3	19.7
1 12	7 6.27	+24 56.0	1.907	2.887	2.2	19.8
1 22	6 57.50	+25 32.7	1.960	2.910	6.1	20.1
2 1	6 50.33	+26 1.7	2.040	2.934	9.7	20.3
2 11	6 45.47	+26 23.1	2.144	2.958	12.7	20.6

516476 2005 TS_{86} 1 7.4 10.°78 17.°7/11.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 25.99	+ 0 41.2	0.535	1.407	30.7	20.4
12 13	7 26.60	− 1 43.2	0.502	1.407	26.7	20.1
12 23	7 22.62	− 3 24.9	0.480	1.410	22.5	19.9
1 2	7 15.23	− 4 7.1	0.470	1.416	19.0	19.8
1 12	7 6.66	− 3 42.5	0.474	1.424	17.7	19.8
1 22	6 59.40	− 2 17.5	0.492	1.435	19.2	19.9
2 1	6 55.53	− 0 9.5	0.524	1.449	22.5	20.2
2 11	6 56.21	+ 2 19.0	0.569	1.465	26.3	20.5

181409 2006 SD_{141} 1 7.4 114.°96 1.°6/ 7.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.37	+16 23.4	1.969	2.766	14.3	21.2
12 13	7 33.66	+16 37.1	1.900	2.781	10.9	21.0
12 23	7 25.65	+16 59.2	1.854	2.797	7.1	20.8
1 2	7 16.07	+17 27.7	1.836	2.811	3.1	20.6
1 12	7 5.96	+18 0.0	1.847	2.826	2.4	20.6
1 22	6 56.43	+18 33.1	1.888	2.839	6.2	20.8
2 1	6 48.50	+19 4.9	1.957	2.853	10.0	21.1
2 11	6 42.90	+19 34.2	2.050	2.866	13.2	21.3

150662 2001 HG_{37} 1 7.4 195.°29 3.°4/ 6.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 44.93	+29 11.7	1.904	2.708	14.5	20.3
12 13	7 38.46	+30 0.1	1.820	2.705	11.1	20.1
12 23	7 29.03	+30 48.6	1.759	2.702	7.4	19.8
1 2	7 17.38	+31 30.9	1.726	2.698	3.9	19.6
1 12	7 4.79	+32 1.4	1.723	2.693	4.3	19.6
1 22	6 52.72	+32 17.1	1.749	2.687	7.8	19.8
2 1	6 42.56	+32 18.4	1.802	2.681	11.7	20.0
2 11	6 35.31	+32 8.2	1.879	2.673	15.0	20.2

517194 2013 TX_{163} 1 7.4 145.°20 1.°4/ 7.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 35.99	+17 24.6	2.579	3.369	11.5	22.2
12 13	7 30.67	+17 21.7	2.498	3.376	8.8	22.0
12 23	7 23.59	+17 23.9	2.442	3.383	5.7	21.8
1 2	7 15.31	+17 30.3	2.414	3.390	2.5	21.6
1 12	7 6.60	+17 39.5	2.418	3.396	2.0	21.6
1 22	6 58.30	+17 50.3	2.452	3.402	5.1	21.8
2 1	6 51.15	+18 1.6	2.515	3.408	8.2	22.0
2 11	6 45.77	+18 12.8	2.604	3.413	10.9	22.2

340995 2007 EK_{212} 1 7.4 329.°87 0.°4/ 7.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.99	+20 23.9	1.316	2.146	18.2	20.4
12 13	7 34.77	+21 2.8	1.241	2.142	14.0	20.1
12 23	7 27.10	+21 52.4	1.186	2.139	8.9	19.8
1 2	7 16.77	+22 47.9	1.156	2.135	3.2	19.5
1 12	7 5.29	+23 42.7	1.152	2.132	2.8	19.4
1 22	6 54.44	+24 31.3	1.174	2.130	8.6	19.8
2 1	6 45.88	+25 10.3	1.221	2.127	13.8	20.1
2 11	6 40.79	+25 39.4	1.289	2.125	18.2	20.3

427260 2014 WE_{145} 1 7.4 97.°08 8.°3/ 8.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.04	+ 2 25.6	2.019	2.767	15.6	21.2
12 13	7 33.98	+ 0 48.8	1.951	2.780	13.1	21.0
12 23	7 25.76	− 0 33.8	1.906	2.793	10.6	20.9
1 2	7 16.10	− 1 37.6	1.887	2.805	8.7	20.8
1 12	7 5.97	− 2 19.4	1.895	2.818	8.4	20.8
1 22	6 56.41	− 2 38.9	1.932	2.830	9.8	20.9
2 1	6 48.36	− 2 37.9	1.994	2.842	12.1	21.1
2 11	6 42.51	− 2 20.7	2.078	2.854	14.4	21.3

287951 2003 UY_{94} 1 7.4 128.°77 3.°4/ 6.7 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 45.88	+28 14.1	1.437	2.256	17.5	21.8
12 13	7 39.72	+28 57.4	1.371	2.266	13.4	21.5
12 23	7 30.01	+29 40.9	1.327	2.275	8.7	21.3
1 2	7 17.74	+30 17.4	1.309	2.284	4.3	21.1
1 12	7 4.58	+30 40.5	1.318	2.292	4.5	21.1
1 22	6 52.37	+30 47.5	1.355	2.300	8.9	21.4
2 1	6 42.72	+30 39.9	1.417	2.308	13.4	21.6
2 11	6 36.65	+30 21.6	1.500	2.314	17.2	21.9

83207 2001 RB_{15} 1 7.4 334.°53 2.°0/ 7.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 35.62	+16 59.1	2.252	3.050	12.7	19.9
12 13	7 30.68	+16 37.8	2.167	3.048	9.8	19.7
12 23	7 23.74	+16 21.8	2.106	3.047	6.4	19.5
1 2	7 15.41	+16 10.9	2.072	3.046	3.1	19.3
1 12	7 6.55	+16 4.3	2.068	3.045	2.6	19.3
1 22	6 58.12	+16 1.4	2.094	3.044	5.8	19.5
2 1	6 51.00	+16 1.5	2.148	3.043	9.2	19.7
2 11	6 45.85	+16 3.7	2.226	3.042	12.2	19.9

282473 2004 GZ_{23} 1 7.4 196.°55 0.°0/ 7.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 42.04	+19 49.2	1.912	2.711	14.5	21.5
12 13	7 36.08	+20 22.4	1.823	2.709	11.1	21.3
12 23	7 27.45	+21 3.2	1.759	2.705	7.1	21.0
1 2	7 16.83	+21 48.0	1.722	2.701	2.6	20.7
1 12	7 5.33	+22 32.5	1.716	2.696	2.1	20.7
1 22	6 54.25	+23 13.1	1.739	2.690	6.7	21.0
2 1	6 44.81	+23 47.5	1.791	2.683	10.9	21.2
2 11	6 37.96	+24 15.2	1.866	2.676	14.5	21.4

273995 2007 OB 1 7.4 51.°24 5.°5/ 9.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 34.24	+ 6 27.3	2.051	2.826	14.5	20.6
12 13	7 29.71	+ 6 3.2	1.977	2.834	11.8	20.5
12 23	7 23.16	+ 5 53.3	1.925	2.842	8.8	20.3
1 2	7 15.20	+ 5 58.9	1.899	2.850	6.2	20.1
1 12	7 6.75	+ 6 19.6	1.901	2.858	5.6	20.1
1 22	6 58.75	+ 6 53.5	1.931	2.866	7.5	20.3
2 1	6 52.11	+ 7 37.1	1.988	2.875	10.3	20.4
2 11	6 47.48	+ 8 26.7	2.069	2.884	13.1	20.6

393430 2001 SX_{167} 1 7.4 84.°59 6.°2/ 6.2 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 48.08	+34 56.1	1.477	2.290	17.4	21.0
12 13	7 41.31	+35 54.8	1.426	2.312	13.6	20.8
12 23	7 30.89	+36 46.0	1.398	2.334	9.6	20.6
1 2	7 18.00	+37 20.9	1.395	2.356	6.5	20.5
1 12	7 4.47	+37 33.1	1.419	2.377	6.8	20.6
1 22	6 52.20	+37 21.8	1.469	2.398	9.9	20.8
2 1	6 42.75	+36 51.1	1.545	2.419	13.5	21.0
2 11	6 37.00	+36 7.7	1.642	2.439	16.7	21.3

420871 2013 KS_{7} 1 7.4 147.°29 3.°7/ 8.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.36	+10 44.8	2.489	3.258	12.4	22.3
12 13	7 32.42	+10 16.6	2.410	3.270	9.8	22.1
12 23	7 24.68	+ 9 57.0	2.356	3.280	7.0	22.0
1 2	7 15.72	+ 9 46.6	2.331	3.291	4.4	21.8
1 12	7 6.35	+ 9 45.2	2.335	3.300	4.0	21.8
1 22	6 57.42	+ 9 52.0	2.371	3.309	6.1	21.9
2 1	6 49.71	+10 5.4	2.435	3.317	8.9	22.1
2 11	6 43.83	+10 23.6	2.525	3.324	11.5	22.3

58278 1993 TA_{34} 1 7.4 16.°51 2.°5/ 6.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 35.91	+24 9.5	1.066	1.918	20.0	18.4
12 13	7 32.91	+25 0.6	1.011	1.924	15.2	18.1
12 23	7 26.08	+25 58.7	0.974	1.931	9.6	17.8
1 2	7 16.43	+26 56.2	0.961	1.940	3.9	17.5
1 12	7 5.77	+27 45.1	0.971	1.950	4.1	17.6
1 22	6 56.15	+28 20.0	1.006	1.961	9.6	17.9
2 1	6 49.30	+28 39.5	1.062	1.974	14.9	18.2
2 11	6 46.29	+28 45.8	1.138	1.988	19.2	18.5

108335 2001 KQ_{3} 1 7.4 138.°77 3.°5/ 6.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.68	+30 27.8	2.235	3.034	12.7	20.3
12 13	7 36.24	+31 23.9	2.165	3.047	9.8	20.1
12 23	7 27.35	+32 18.4	2.120	3.060	6.5	20.0
1 2	7 16.74	+33 5.8	2.103	3.072	3.8	19.8
1 12	7 5.51	+33 41.5	2.118	3.083	4.1	19.8
1 22	6 54.83	+34 3.1	2.162	3.094	7.0	20.0
2 1	6 45.80	+34 11.0	2.234	3.104	10.1	20.3
2 11	6 39.22	+34 7.6	2.330	3.114	12.8	20.5

137751 1999 XB_{159} 1 7.4 316.°85 2.°7/ 7.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.62	+17 7.6	1.292	2.119	18.7	19.4
12 13	7 34.46	+16 48.7	1.213	2.110	14.5	19.2
12 23	7 26.90	+16 39.3	1.154	2.102	9.6	18.9
1 2	7 16.74	+16 39.2	1.118	2.094	4.4	18.5
1 12	7 5.47	+16 46.5	1.108	2.087	3.7	18.5
1 22	6 54.83	+16 59.0	1.124	2.080	8.8	18.7
2 1	6 46.43	+17 14.7	1.164	2.073	14.0	19.0
2 11	6 41.42	+17 31.8	1.224	2.067	18.6	19.3

424996 2009 CZ_{40} 1 7.4 42.°11 2.°6/ 8.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 34.04	+13 1.0	2.112	2.907	13.5	20.5
12 13	7 29.60	+13 13.1	2.037	2.914	10.5	20.3
12 23	7 23.12	+13 35.8	1.985	2.922	7.1	20.1
1 2	7 15.23	+14 8.1	1.960	2.931	3.7	19.9
1 12	7 6.82	+14 47.8	1.964	2.939	3.0	19.9
1 22	6 58.85	+15 31.8	1.997	2.948	6.0	20.1
2 1	6 52.21	+16 17.4	2.058	2.957	9.4	20.3
2 11	6 47.58	+17 1.9	2.144	2.966	12.4	20.6

256170 2006 VO_{61} 1 7.4 81.°30 1.°9/ 6.9 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.42	+25 32.9	1.757	2.570	15.1	20.7
12 13	7 35.56	+26 6.6	1.698	2.590	11.4	20.5
12 23	7 27.01	+26 41.9	1.661	2.610	7.2	20.3
1 2	7 16.62	+27 14.1	1.652	2.630	3.0	20.1
1 12	7 5.70	+27 38.8	1.672	2.649	3.0	20.1
1 22	6 55.58	+27 53.8	1.721	2.669	7.1	20.4
2 1	6 47.43	+27 59.4	1.796	2.688	10.9	20.7
2 11	6 42.04	+27 57.1	1.895	2.707	14.2	21.0

247017 1999 XQ_{9} 1 7.4 147.°94 2.°6/ 8.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.84	+15 17.2	1.974	2.767	14.4	21.0
12 13	7 34.07	+15 4.5	1.897	2.775	11.1	20.8
12 23	7 25.98	+14 59.7	1.843	2.782	7.4	20.6
1 2	7 16.27	+15 2.4	1.816	2.789	3.7	20.4
1 12	7 5.98	+15 11.3	1.819	2.795	3.1	20.3
1 22	6 56.24	+15 24.6	1.851	2.801	6.5	20.6
2 1	6 48.08	+15 40.8	1.912	2.806	10.2	20.8
2 11	6 42.24	+15 58.5	1.996	2.811	13.5	21.0

238465 2004 RW_{62} 1 7.4 61.°63 4.°7/ 6.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 44.78	+32 5.3	1.377	2.201	17.9	20.0
12 13	7 38.97	+32 37.4	1.319	2.214	13.8	19.8
12 23	7 29.53	+33 4.5	1.283	2.228	9.3	19.6
1 2	7 17.59	+33 19.1	1.271	2.241	5.4	19.4
1 12	7 4.93	+33 16.1	1.285	2.255	5.5	19.5
1 22	6 53.45	+32 54.8	1.327	2.269	9.4	19.7
2 1	6 44.71	+32 18.7	1.392	2.283	13.6	20.0
2 11	6 39.62	+31 33.4	1.479	2.297	17.2	20.3

7291 Hyakutake 1 7.4 53.°18 1.°7/ 6.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.64	+24 33.4	1.943	2.756	13.8	16.4
12 13	7 32.50	+25 19.8	1.885	2.778	10.4	16.3
12 23	7 25.00	+26 8.9	1.851	2.800	6.5	16.1
1 2	7 15.91	+26 56.0	1.845	2.823	2.7	15.9
1 12	7 6.32	+27 36.9	1.868	2.845	2.8	15.9
1 22	6 57.38	+28 8.7	1.921	2.868	6.5	16.2
2 1	6 50.14	+28 30.8	2.000	2.891	10.0	16.5
2 11	6 45.29	+28 43.8	2.104	2.914	13.0	16.7

206340 2003 PW_{2} 1 7.4 123.°14 2.°3/ 8.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.01	+14 42.8	1.790	2.588	15.5	20.7
12 13	7 34.41	+14 54.0	1.719	2.600	11.9	20.5
12 23	7 26.29	+15 16.0	1.671	2.611	7.9	20.3
1 2	7 16.41	+15 47.1	1.649	2.623	3.7	20.0
1 12	7 5.89	+16 24.3	1.656	2.633	3.0	20.0
1 22	6 55.99	+17 4.4	1.692	2.644	6.8	20.3
2 1	6 47.81	+17 44.4	1.756	2.653	10.8	20.5
2 11	6 42.16	+18 22.3	1.843	2.663	14.2	20.8

406658 2008 DD_{89} 1 7.4 355.°34 5.°6/ 8.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 35.82	+11 14.9	1.459	2.269	17.8	20.6
12 13	7 31.79	+10 25.8	1.384	2.266	14.2	20.4
12 23	7 24.92	+ 9 49.4	1.329	2.264	10.2	20.1
1 2	7 15.98	+ 9 28.0	1.299	2.262	6.6	19.9
1 12	7 6.23	+ 9 22.7	1.294	2.261	5.9	19.9
1 22	6 57.08	+ 9 32.2	1.315	2.261	9.0	20.1
2 1	6 49.84	+ 9 54.0	1.361	2.261	13.1	20.3
2 11	6 45.42	+10 24.0	1.428	2.262	16.8	20.5

248583 2006 BX_{211} 1 7.4 219.°98 1.°6/ 7.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.49	+25 34.3	2.078	2.879	13.5	21.9
12 13	7 36.37	+25 58.9	1.983	2.869	10.3	21.6
12 23	7 27.64	+26 25.2	1.912	2.858	6.6	21.4
1 2	7 16.95	+26 49.3	1.870	2.847	2.7	21.1
1 12	7 5.39	+27 7.3	1.857	2.834	2.7	21.1
1 22	6 54.23	+27 17.1	1.875	2.821	6.7	21.3
2 1	6 44.65	+27 18.3	1.920	2.807	10.6	21.5
2 11	6 37.59	+27 12.4	1.990	2.792	14.0	21.7

410029 2006 XB_{30} 1 7.4 8.°54 1.°9/ 7.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.40	+19 6.3	1.493	2.316	16.8	20.1
12 13	7 32.95	+18 38.8	1.421	2.317	12.9	19.8
12 23	7 25.61	+18 17.1	1.370	2.318	8.4	19.6
1 2	7 16.21	+18 0.5	1.344	2.321	3.6	19.3
1 12	7 6.08	+17 48.1	1.345	2.324	3.0	19.3
1 22	6 56.66	+17 39.3	1.372	2.327	7.6	19.6
2 1	6 49.25	+17 33.4	1.426	2.332	12.2	19.8
2 11	6 44.74	+17 29.9	1.501	2.337	16.1	20.1

403539 2010 GN_{140} 1 7.4 236.°50 0.°0/ 7.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.28	+21 42.9	1.793	2.601	15.0	22.2
12 13	7 35.76	+21 54.0	1.701	2.590	11.5	21.9
12 23	7 27.40	+22 9.8	1.631	2.579	7.4	21.7
1 2	7 16.90	+22 27.6	1.588	2.567	2.7	21.3
1 12	7 5.44	+22 43.9	1.574	2.554	2.3	21.3
1 22	6 54.40	+22 56.4	1.589	2.541	7.1	21.6
2 1	6 45.12	+23 4.2	1.632	2.528	11.6	21.8
2 11	6 38.58	+23 7.7	1.697	2.514	15.4	22.0

460348 2014 RH_{32} 1 7.4 61.°76 6.°9/10.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.02	+ 3 8.9	1.625	2.399	17.8	20.8
12 13	7 32.19	+ 3 4.4	1.565	2.418	14.6	20.6
12 23	7 24.89	+ 3 21.8	1.526	2.437	11.0	20.4
1 2	7 15.90	+ 4 2.1	1.510	2.456	8.0	20.3
1 12	7 6.37	+ 5 3.2	1.521	2.476	7.0	20.3
1 22	6 57.51	+ 6 20.0	1.559	2.495	8.8	20.4
2 1	6 50.41	+ 7 46.2	1.624	2.515	11.9	20.7
2 11	6 45.83	+ 9 15.0	1.711	2.534	15.0	20.9

59602 1999 JW_{63} 1 7.4 172.°65 5.°2/ 8.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.57	+ 6 40.1	2.356	3.118	13.3	19.4
12 13	7 31.28	+ 6 7.0	2.272	3.121	10.7	19.2
12 23	7 24.10	+ 5 45.5	2.211	3.123	8.1	19.1
1 2	7 15.60	+ 5 37.2	2.178	3.125	5.8	18.9
1 12	7 6.60	+ 5 42.2	2.173	3.126	5.3	18.9
1 22	6 57.97	+ 5 59.4	2.197	3.127	7.1	19.0
2 1	6 50.54	+ 6 26.8	2.250	3.127	9.7	19.2
2 11	6 44.97	+ 7 1.3	2.327	3.127	12.3	19.3

327904 2007 CZ_{50} 1 7.4 289.°19 1.°2/ 7.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.90	+24 51.2	1.868	2.681	14.3	21.3
12 13	7 33.75	+25 4.0	1.786	2.679	10.9	21.1
12 23	7 25.99	+25 18.5	1.727	2.676	6.9	20.8
1 2	7 16.34	+25 31.4	1.695	2.674	2.6	20.6
1 12	7 5.97	+25 39.6	1.692	2.671	2.5	20.5
1 22	6 56.13	+25 41.3	1.718	2.669	6.8	20.8
2 1	6 48.03	+25 36.6	1.771	2.666	10.8	21.1
2 11	6 42.51	+25 26.6	1.847	2.664	14.3	21.3

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
452495	2004 PO_{22}	1	7.4	176.°26	0.°6/ 7.3	18
	h m	° ′			°	m
12 3	7 43.56	+24 0.7	1.731	2.539	15.5	21.3
12 13	7 37.39	+24 0.7	1.651	2.541	11.8	21.0
12 23	7 28.32	+24 2.3	1.595	2.543	7.5	20.8
1 2	7 17.18	+24 2.5	1.565	2.544	2.7	20.5
1 12	7 5.29	+23 58.4	1.564	2.544	2.4	20.5
1 22	6 54.08	+23 49.0	1.593	2.544	7.2	20.8
2 1	6 44.86	+23 34.8	1.648	2.543	11.5	21.0
2 11	6 38.53	+23 17.6	1.727	2.542	15.2	21.3
214236	2005 EQ_{176}	1	7.4	347.°22	1.°9/ 7.1	18
12 3	7 36.59	+25 14.8	1.262	2.103	18.2	20.3
12 13	7 33.17	+25 35.8	1.188	2.095	13.9	20.0
12 23	7 26.20	+26 0.4	1.134	2.088	8.9	19.7
1 2	7 16.54	+26 23.4	1.103	2.082	3.6	19.3
1 12	7 5.78	+26 39.7	1.098	2.077	3.5	19.3
1 22	6 55.75	+26 46.0	1.118	2.073	8.9	19.6
2 1	6 48.13	+26 42.3	1.162	2.070	14.1	19.9
2 11	6 44.06	+26 30.5	1.225	2.069	18.5	20.2
60520	2000 ET_{32}	1	7.4	56.°05	5.°4/ 6.1	18
12 3	7 41.31	+36 37.1	2.003	2.807	13.8	18.6
12 13	7 35.56	+37 18.3	1.937	2.816	10.9	18.5
12 23	7 27.08	+37 52.3	1.895	2.826	7.9	18.3
1 2	7 16.71	+38 13.2	1.879	2.836	5.7	18.2
1 12	7 5.73	+38 16.8	1.892	2.845	5.9	18.2
1 22	6 55.52	+38 2.2	1.932	2.855	8.3	18.4
2 1	6 47.28	+37 31.7	1.999	2.866	11.2	18.6
2 11	6 41.81	+36 49.8	2.088	2.876	13.9	18.8
377064	2002 TC_{317}	1	7.4	77.°95	0.°9/ 7.3	18
12 3	7 39.12	+25 36.4	2.151	2.956	12.9	21.0
12 13	7 33.40	+25 31.9	2.079	2.968	9.8	20.8
12 23	7 25.48	+25 27.2	2.032	2.979	6.2	20.6
1 2	7 16.09	+25 19.8	2.013	2.991	2.3	20.4
1 12	7 6.26	+25 8.2	2.023	3.002	2.1	20.4
1 22	6 57.07	+24 51.9	2.063	3.014	5.9	20.6
2 1	6 49.45	+24 31.7	2.132	3.025	9.4	20.9
2 11	6 44.09	+24 8.9	2.225	3.036	12.4	21.1
204883	2007 TR_{128}	1	7.4	220.°71	0.°3/ 7.3	18
12 3	7 35.79	+22 37.5	2.647	3.445	11.0	21.4
12 13	7 30.69	+22 51.6	2.555	3.440	8.3	21.2
12 23	7 23.75	+23 8.2	2.487	3.434	5.3	21.0
1 2	7 15.50	+23 25.4	2.449	3.427	1.9	20.7
1 12	7 6.72	+23 40.9	2.441	3.421	1.7	20.7
1 22	6 58.25	+23 53.3	2.464	3.414	5.1	20.9
2 1	6 50.90	+24 1.8	2.516	3.407	8.2	21.1
2 11	6 45.33	+24 6.5	2.593	3.399	11.0	21.3
404281	2013 EQ_{91}	1	7.4	331.°09	6.°3/ 8.9	18
12 3	7 34.70	+ 9 2.7	1.330	2.143	19.0	20.5
12 13	7 31.35	+ 8 34.2	1.249	2.131	15.4	20.3
12 23	7 24.90	+ 8 23.7	1.187	2.121	11.2	20.0
1 2	7 16.08	+ 8 33.7	1.148	2.111	7.4	19.8
1 12	7 6.18	+ 9 4.2	1.134	2.102	6.5	19.7
1 22	6 56.76	+ 9 52.0	1.145	2.093	9.7	19.8
2 1	6 49.31	+10 51.8	1.179	2.086	14.1	20.1
2 11	6 44.94	+11 57.4	1.234	2.079	18.3	20.3
33069	1997 WQ_2	1	7.4	59.°41	1.°8/ 6.9	18
12 3	7 40.44	+23 19.7	1.417	2.243	17.4	18.2
12 13	7 35.58	+24 11.4	1.352	2.252	13.2	18.0
12 23	7 27.45	+25 9.7	1.309	2.261	8.3	17.7
1 2	7 16.94	+26 8.1	1.292	2.270	3.3	17.5
1 12	7 5.54	+27 0.0	1.301	2.279	3.3	17.5
1 22	6 54.93	+27 40.6	1.338	2.289	8.3	17.8
2 1	6 46.60	+28 8.5	1.400	2.299	12.9	18.1
2 11	6 41.55	+28 24.7	1.483	2.308	16.8	18.4
133245	2003 RL_2	1	7.4	65.°94	3.°2/ 8.3	17
12 3	7 40.02	+13 58.0	1.462	2.271	17.8	19.5
12 13	7 34.73	+13 56.3	1.406	2.292	13.7	19.3
12 23	7 26.59	+14 7.5	1.371	2.313	9.1	19.1
1 2	7 16.54	+14 30.3	1.362	2.334	4.6	18.9
1 12	7 5.94	+15 1.9	1.379	2.355	3.7	18.9
1 22	6 56.22	+15 38.6	1.424	2.377	7.7	19.2
2 1	6 48.59	+16 16.9	1.495	2.398	11.9	19.5
2 11	6 43.86	+16 54.3	1.588	2.419	15.6	19.8
379868	2012 HV_{22}	1	7.4	11.°61	21.°2/12.3	18
12 3	7 36.36	−13 47.3	1.086	1.820	27.1	20.2
12 13	7 32.99	−16 31.2	1.037	1.821	25.0	20.0
12 23	7 26.08	−18 36.4	1.001	1.822	23.1	19.9
1 2	7 16.52	−19 48.8	0.980	1.824	21.7	19.8
1 12	7 5.88	−19 59.4	0.975	1.827	21.2	19.8
1 22	6 55.96	−19 8.3	0.986	1.830	21.7	19.8
2 1	6 48.46	−17 23.9	1.013	1.834	23.0	19.9
2 11	6 44.51	−15 1.4	1.054	1.839	24.8	20.1

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
381654	2009 AE_{35}	1	7.5	297.°28	1.°4/ 6.9	18
	h m	° ′			°	m
12 3	7 35.81	+24 40.4	2.234	3.043	12.4	21.1
12 13	7 31.13	+25 15.6	2.145	3.036	9.4	20.9
12 23	7 24.25	+25 53.8	2.081	3.029	6.0	20.7
1 2	7 15.75	+26 31.5	2.044	3.022	2.4	20.4
1 12	7 6.56	+27 5.0	2.037	3.015	2.5	20.4
1 22	6 57.71	+27 31.6	2.060	3.008	6.1	20.6
2 1	6 50.20	+27 50.4	2.111	3.001	9.6	20.8
2 11	6 44.83	+28 1.5	2.185	2.994	12.7	21.0
323859	2005 SG_{126}	1	7.5	133.°99	2.°1/ 8.1	18
12 3	7 38.10	+15 35.7	2.103	2.897	13.6	21.5
12 13	7 32.67	+15 34.9	2.027	2.905	10.5	21.3
12 23	7 25.08	+15 42.0	1.974	2.914	6.9	21.1
1 2	7 16.00	+15 56.0	1.948	2.922	3.3	20.9
1 12	7 6.39	+16 15.1	1.953	2.930	2.7	20.9
1 22	6 57.27	+16 37.3	1.987	2.937	6.1	21.1
2 1	6 49.60	+17 0.8	2.049	2.944	9.6	21.3
2 11	6 44.07	+17 24.0	2.136	2.951	12.7	21.5
74569	1999 NR_7	1	7.5	86.°98	1.°2/ 7.7	18
12 3	7 43.94	+18 53.4	1.346	2.164	18.6	18.6
12 13	7 38.00	+18 56.5	1.290	2.183	14.1	18.4
12 23	7 28.80	+19 8.2	1.254	2.202	9.0	18.1
1 2	7 17.37	+19 25.4	1.243	2.221	3.5	17.8
1 12	7 5.31	+19 44.8	1.260	2.240	2.7	17.8
1 22	6 54.29	+20 3.2	1.304	2.258	8.0	18.2
2 1	6 45.71	+20 19.4	1.373	2.276	12.8	18.5
2 11	6 40.45	+20 32.8	1.463	2.294	16.7	18.8
122538	2000 QM_{220}	1	7.5	86.°23	3.°3/ 8.4	18
12 3	7 39.71	+13 7.8	1.537	2.341	17.3	20.2
12 13	7 34.51	+13 12.9	1.472	2.355	13.4	20.0
12 23	7 26.52	+13 31.7	1.428	2.368	9.0	19.8
1 2	7 16.56	+14 3.1	1.409	2.381	4.7	19.5
1 12	7 5.94	+14 43.8	1.419	2.394	3.8	19.5
1 22	6 56.04	+15 29.9	1.455	2.407	7.6	19.8
2 1	6 48.10	+16 17.5	1.518	2.420	11.9	20.0
2 11	6 42.99	+17 3.6	1.604	2.433	15.6	20.3
280718	2005 GQ_{124}	1	7.5	329.°95	0.°5/ 7.2	18
12 3	7 35.73	+21 4.4	2.100	2.908	13.1	20.0
12 13	7 31.14	+21 47.8	2.015	2.905	10.0	19.8
12 23	7 24.29	+22 37.7	1.954	2.903	6.3	19.6
1 2	7 15.78	+23 30.4	1.921	2.900	2.3	19.3
1 12	7 6.55	+24 22.0	1.918	2.898	2.1	19.3
1 22	6 57.69	+25 8.7	1.944	2.895	6.1	19.5
2 1	6 50.21	+25 48.4	1.999	2.893	9.8	19.8
2 11	6 44.93	+26 20.4	2.077	2.891	13.1	20.0
304040	2006 DH_{134}	1	7.5	239.°37	1.°9/ 6.9	18
12 3	7 41.48	+25 29.0	1.682	2.497	15.5	21.6
12 13	7 36.16	+25 58.9	1.596	2.490	11.9	21.3
12 23	7 27.78	+26 31.8	1.534	2.482	7.6	21.0
1 2	7 17.11	+27 2.6	1.497	2.475	3.2	20.8
1 12	7 5.44	+27 26.6	1.489	2.466	3.2	20.7
1 22	6 54.28	+27 40.7	1.509	2.458	7.7	21.0
2 1	6 45.08	+27 44.6	1.555	2.449	12.2	21.2
2 11	6 38.88	+27 39.9	1.624	2.441	16.0	21.5
18005	1999 JD_{91}	1	7.5	44.°40	8.°3/10.5	18
12 3	7 38.03	+ 3 11.0	1.178	1.976	21.9	17.1
12 13	7 33.56	+ 2 54.8	1.135	2.002	17.8	16.9
12 23	7 25.98	+ 3 6.8	1.110	2.029	13.4	16.7
1 2	7 16.35	+ 3 48.2	1.106	2.056	9.6	16.6
1 12	7 6.20	+ 4 56.0	1.127	2.085	8.3	16.6
1 22	6 57.10	+ 6 22.7	1.172	2.114	10.5	16.8
2 1	6 50.36	+ 7 59.2	1.241	2.143	14.0	17.1
2 11	6 46.76	+ 9 36.7	1.332	2.172	17.5	17.4
99361	2001 XO_{194}	1	7.5	89.°56	1.°1/ 7.8	18
12 3	7 40.79	+17 21.0	1.541	2.352	16.9	19.9
12 13	7 35.40	+17 49.4	1.477	2.367	12.9	19.7
12 23	7 27.11	+18 28.6	1.435	2.382	8.3	19.4
1 2	7 16.79	+19 14.9	1.419	2.396	3.2	19.2
1 12	7 5.77	+20 3.6	1.431	2.411	2.5	19.2
1 22	6 55.50	+20 50.5	1.471	2.425	7.3	19.5
2 1	6 47.28	+21 32.4	1.537	2.439	11.8	19.8
2 11	6 41.97	+22 8.2	1.627	2.453	15.5	20.1
468518	2005 TM_{122}	1	7.5	103.°06	3.°6/ 8.8	18
12 3	7 32.87	+ 9 22.7	2.737	3.508	11.4	21.6
12 13	7 28.26	+ 9 8.8	2.657	3.515	9.0	21.5
12 23	7 22.11	+ 9 4.2	2.601	3.523	6.5	21.3
1 2	7 14.91	+ 9 9.2	2.572	3.530	4.2	21.2
1 12	7 7.33	+ 9 23.3	2.574	3.537	3.8	21.1
1 22	7 0.08	+ 9 45.2	2.606	3.545	5.6	21.3
2 1	6 53.84	+10 12.9	2.666	3.552	8.0	21.4
2 11	6 49.12	+10 44.3	2.751	3.559	10.4	21.6

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
72062	2000 YR_{17}		1 7.5	237.°71	1.°3/ 7.7	18
	h m	° ′			°	m
12 3	7 40.36	+19 30.7	1.717	2.526	15.5	19.4
12 13	7 35.02	+19 17.5	1.632	2.521	12.0	19.2
12 23	7 26.90	+19 9.5	1.569	2.516	7.7	18.9
1 2	7 16.75	+19 5.4	1.532	2.510	3.1	18.6
1 12	7 5.78	+19 3.4	1.524	2.504	2.5	18.6
1 22	6 55.34	+19 2.3	1.545	2.498	7.1	18.9
2 1	6 46.71	+19 1.5	1.592	2.492	11.6	19.1
2 11	6 40.82	+19 0.8	1.662	2.485	15.4	19.3
113160	2002 RC_{98}		1 7.5	79.°42	4.°3/ 6.2	18
12 3	7 39.81	+34 15.6	2.210	3.013	12.7	19.8
12 13	7 34.19	+34 54.5	2.139	3.020	9.9	19.6
12 23	7 26.14	+35 28.5	2.092	3.028	6.9	19.4
1 2	7 16.41	+35 52.7	2.073	3.035	4.6	19.3
1 12	7 6.10	+36 3.1	2.083	3.043	4.9	19.3
1 22	6 56.39	+35 58.7	2.121	3.050	7.3	19.5
2 1	6 48.37	+35 40.6	2.187	3.058	10.2	19.7
2 11	6 42.79	+35 12.1	2.276	3.065	12.9	19.9
34415	2000 RV_{103}		1 7.5	7.°11	1.°1/ 7.7	18
12 3	7 38.25	+20 10.5	1.815	2.626	14.8	18.2
12 13	7 33.19	+19 53.0	1.736	2.626	11.3	18.0
12 23	7 25.61	+19 39.6	1.679	2.626	7.2	17.8
1 2	7 16.24	+19 29.1	1.649	2.627	2.9	17.5
1 12	7 6.23	+19 20.3	1.648	2.627	2.3	17.4
1 22	6 56.80	+19 12.4	1.675	2.628	6.7	17.7
2 1	6 49.07	+19 5.1	1.729	2.629	10.8	18.0
2 11	6 43.85	+18 58.4	1.807	2.631	14.3	18.2
381890	2010 AT_{107}		1 7.5	98.°19	7.°1/ 4.9	18
12 3	7 43.11	+44 22.8	2.483	3.259	12.3	20.5
12 13	7 36.80	+45 24.9	2.421	3.270	10.2	20.3
12 23	7 27.84	+46 16.5	2.382	3.280	8.3	20.2
1 2	7 17.03	+46 51.1	2.370	3.290	7.2	20.2
1 12	7 5.59	+47 4.5	2.387	3.300	7.4	20.2
1 22	6 54.82	+46 55.9	2.430	3.310	8.9	20.3
2 1	6 45.90	+46 27.6	2.499	3.320	10.9	20.5
2 11	6 39.64	+45 44.3	2.591	3.329	12.8	20.6
152280	2005 TE_{1}		1 7.5	18.°35	3.°3/ 7.2	18
12 3	7 43.63	+32 0.6	1.680	2.493	15.6	19.3
12 13	7 37.60	+31 52.7	1.605	2.495	12.1	19.0
12 23	7 28.49	+31 38.2	1.553	2.497	8.0	18.8
1 2	7 17.28	+31 12.8	1.527	2.500	4.2	18.6
1 12	7 5.43	+30 34.2	1.529	2.503	4.1	18.6
1 22	6 54.49	+29 43.4	1.560	2.506	7.9	18.8
2 1	6 45.80	+28 43.9	1.617	2.510	11.9	19.1
2 11	6 40.21	+27 40.6	1.698	2.513	15.4	19.3
92699	2000 QD_{80}		1 7.5	109.°67	4.°2/ 8.6	18
12 3	7 39.94	+11 11.9	1.677	2.470	16.6	19.7
12 13	7 34.46	+11 0.2	1.609	2.483	13.0	19.5
12 23	7 26.39	+11 2.1	1.562	2.495	9.1	19.3
1 2	7 16.52	+11 17.5	1.541	2.508	5.3	19.1
1 12	7 6.03	+11 44.7	1.549	2.519	4.5	19.1
1 22	6 56.21	+12 20.8	1.584	2.531	7.6	19.3
2 1	6 48.19	+13 2.3	1.646	2.542	11.5	19.5
2 11	6 42.78	+13 45.7	1.731	2.553	14.9	19.8
49869	1999 XG_{115}		1 7.5	96.°20	2.°5/ 7.9	18
12 3	7 43.67	+17 26.3	1.418	2.230	18.1	19.4
12 13	7 37.67	+17 3.7	1.356	2.245	13.9	19.2
12 23	7 28.55	+16 49.3	1.315	2.260	9.1	19.0
1 2	7 17.30	+16 42.3	1.300	2.275	4.1	18.7
1 12	7 5.43	+16 41.1	1.312	2.290	3.4	18.7
1 22	6 54.51	+16 44.2	1.351	2.304	8.0	19.0
2 1	6 45.88	+16 50.2	1.417	2.318	12.6	19.3
2 11	6 40.42	+16 58.1	1.504	2.332	16.5	19.6
458788	2011 SE_{135}		1 7.5	121.°14	0.°2/ 7.5	18
12 3	7 42.65	+20 45.3	1.830	2.632	15.0	22.0
12 13	7 36.38	+20 57.3	1.762	2.649	11.4	21.8
12 23	7 27.53	+21 14.3	1.718	2.665	7.2	21.6
1 2	7 16.92	+21 33.3	1.701	2.680	2.6	21.4
1 12	7 5.74	+21 51.3	1.714	2.695	2.1	21.4
1 22	6 55.28	+22 6.3	1.757	2.709	6.6	21.7
2 1	6 46.67	+22 17.3	1.827	2.722	10.6	22.0
2 11	6 40.69	+22 24.6	1.921	2.735	14.0	22.2
117519	2005 CM_{51}		1 7.5	302.°72	0.°2/ 7.5	18
12 3	7 38.02	+20 58.9	1.516	2.339	16.6	20.4
12 13	7 33.82	+21 7.8	1.425	2.322	12.8	20.2
12 23	7 26.49	+21 23.5	1.354	2.305	8.2	19.8
1 2	7 16.72	+21 43.2	1.309	2.289	3.0	19.5
1 12	7 5.79	+22 3.2	1.291	2.272	2.5	19.4
1 22	6 55.27	+22 20.6	1.301	2.256	7.9	19.7
2 1	6 46.69	+22 33.7	1.335	2.240	12.9	19.9
2 11	6 41.17	+22 42.5	1.391	2.225	17.2	20.2

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
357074	2001 RA_{43}		1 7.5	142.°54	4.°3/ 8.8	18
	h m	° ′			°	m
12 3	7 38.42	+ 8 59.2	2.364	3.130	13.1	21.6
12 13	7 32.61	+ 8 35.0	2.287	3.143	10.4	21.4
12 23	7 24.92	+ 8 21.4	2.235	3.155	7.5	21.3
1 2	7 15.95	+ 8 19.0	2.210	3.166	5.0	21.1
1 12	7 6.55	+ 8 27.5	2.215	3.176	4.5	21.1
1 22	6 57.60	+ 8 45.4	2.250	3.186	6.5	21.3
2 1	6 49.92	+ 9 10.9	2.313	3.195	9.3	21.5
2 11	6 44.13	+ 9 41.2	2.402	3.204	11.9	21.7
72946	2002 CY_{16}		1 7.5	237.°09	3.°1/ 6.8	18
12 3	7 44.07	+29 44.9	1.848	2.655	14.7	20.0
12 13	7 37.99	+30 7.4	1.756	2.644	11.4	19.7
12 23	7 28.90	+30 28.1	1.687	2.631	7.5	19.5
1 2	7 17.53	+30 41.6	1.645	2.618	3.8	19.2
1 12	7 5.19	+30 43.6	1.632	2.605	4.0	19.2
1 22	6 53.36	+30 32.2	1.648	2.591	7.8	19.4
2 1	6 43.46	+30 8.8	1.691	2.577	11.9	19.6
2 11	6 36.50	+29 36.7	1.757	2.562	15.5	19.8
304912	2007 RS_{287}		1 7.5	12.°62	3.°3/ 8.4	18
12 3	7 36.50	+13 50.0	1.347	2.168	18.4	20.5
12 13	7 32.60	+13 52.0	1.277	2.170	14.3	20.2
12 23	7 25.61	+14 8.9	1.227	2.172	9.7	20.0
1 2	7 16.35	+14 39.8	1.201	2.175	4.9	19.7
1 12	7 6.20	+15 21.5	1.201	2.178	3.9	19.6
1 22	6 56.72	+16 9.5	1.227	2.182	8.3	19.9
2 1	6 49.32	+16 59.4	1.277	2.187	13.0	20.2
2 11	6 45.01	+17 47.5	1.349	2.192	17.2	20.5
393641	2004 PG_{18}		1 7.5	142.°72	1.°1/ 7.8	18
12 3	7 43.02	+18 34.4	2.053	2.844	14.0	22.7
12 13	7 36.41	+18 40.3	1.980	2.859	10.7	22.5
12 23	7 27.45	+18 52.1	1.930	2.873	6.8	22.3
1 2	7 16.89	+19 7.6	1.909	2.886	2.7	22.1
1 12	7 5.80	+19 24.5	1.919	2.898	2.1	22.1
1 22	6 55.32	+19 40.9	1.959	2.910	6.1	22.4
2 1	6 46.46	+19 55.6	2.028	2.920	9.9	22.6
2 11	6 39.99	+20 8.2	2.122	2.929	13.1	22.8
24735	1992 EU_{6}		1 7.5	233.°29	1.°6/ 7.9	18
12 3	7 39.41	+16 16.8	1.645	2.453	16.2	19.2
12 13	7 34.49	+16 38.9	1.560	2.448	12.5	19.0
12 23	7 26.70	+17 12.6	1.497	2.442	8.2	18.7
1 2	7 16.76	+17 55.7	1.460	2.436	3.5	18.4
1 12	7 5.85	+18 44.1	1.451	2.430	2.7	18.3
1 22	6 55.37	+19 33.7	1.470	2.424	7.3	18.6
2 1	6 46.69	+20 20.7	1.516	2.417	11.9	18.8
2 11	6 40.79	+21 3.2	1.585	2.410	15.9	19.1
421803	2014 QY_{35}		1 7.5	238.°88	3.°1/ 8.2	18
12 3	7 40.01	+14 4.4	1.869	2.662	15.1	22.5
12 13	7 34.65	+13 55.1	1.772	2.649	11.8	22.3
12 23	7 26.68	+13 55.7	1.697	2.635	8.1	22.0
1 2	7 16.73	+14 5.9	1.649	2.620	4.2	21.8
1 12	7 5.86	+14 24.3	1.630	2.605	3.6	21.7
1 22	6 55.30	+14 48.9	1.640	2.589	7.2	21.9
2 1	6 46.27	+15 17.4	1.677	2.572	11.4	22.1
2 11	6 39.72	+15 47.5	1.738	2.555	15.1	22.3
134400	1997 LK_{17}		1 7.5	144.°09	2.°2/ 8.2	18
12 3	7 38.98	+15 9.8	2.030	2.823	14.1	20.4
12 13	7 33.44	+15 12.1	1.953	2.831	10.9	20.2
12 23	7 25.65	+15 23.2	1.899	2.839	7.2	20.0
1 2	7 16.28	+15 41.9	1.873	2.846	3.5	19.8
1 12	7 6.33	+16 6.1	1.876	2.853	2.8	19.7
1 22	6 56.88	+16 33.5	1.909	2.859	6.3	20.0
2 1	6 48.93	+17 2.1	1.970	2.865	9.9	20.2
2 11	6 43.22	+17 30.1	2.055	2.870	13.1	20.4
500904	2013 ND		1 7.5	200.°63	3.°9/ 8.1	18
12 3	7 39.84	+13 17.6	2.035	2.821	14.3	20.9
12 13	7 34.11	+12 31.2	1.948	2.819	11.2	20.7
12 23	7 26.09	+11 51.9	1.885	2.817	7.8	20.5
1 2	7 16.45	+11 21.1	1.848	2.814	4.7	20.3
1 12	7 6.19	+10 59.3	1.842	2.810	4.3	20.3
1 22	6 56.39	+10 46.7	1.864	2.807	7.1	20.4
2 1	6 48.08	+10 42.4	1.915	2.803	10.6	20.6
2 11	6 42.01	+10 44.9	1.989	2.799	13.7	20.8
11424	1999 LZ_{24}		1 7.5	47.°30	6.°4/ 5.4	18
12 3	7 42.46	+31 17.8	1.312	2.143	18.2	15.5
12 13	7 37.68	+33 5.1	1.260	2.158	14.1	15.3
12 23	7 29.07	+34 51.7	1.230	2.173	9.8	15.1
1 2	7 17.65	+36 25.6	1.225	2.189	6.7	14.9
1 12	7 5.20	+37 36.6	1.246	2.206	7.4	15.0
1 22	6 53.73	+38 19.5	1.292	2.222	10.9	15.3
2 1	6 45.02	+38 35.8	1.362	2.239	14.8	15.5
2 11	6 40.14	+38 31.3	1.452	2.257	18.2	15.8

153384 2001 QW_{37} 1 7.5 148.°27 1.°2/ 7.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.29	+17 16.1	1.827	2.624	15.2	20.8
12 13	7 36.22	+17 37.0	1.752	2.634	11.7	20.6
12 23	7 27.53	+18 6.8	1.700	2.644	7.5	20.4
1 2	7 16.99	+18 42.7	1.676	2.653	3.1	20.1
1 12	7 5.76	+19 21.3	1.681	2.661	2.3	20.1
1 22	6 55.11	+19 59.1	1.716	2.668	6.7	20.4
2 1	6 46.22	+20 33.9	1.779	2.675	10.8	20.7
2 11	6 39.93	+21 4.4	1.866	2.680	14.3	20.9

311575 2006 GX_{26} 1 7.5 160.°08 2.°1/ 6.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.61	+26 35.7	2.038	2.841	13.7	22.1
12 13	7 36.40	+27 13.2	1.961	2.848	10.4	21.9
12 23	7 27.63	+27 51.7	1.908	2.854	6.7	21.7
1 2	7 17.03	+28 26.7	1.883	2.859	3.0	21.5
1 12	7 5.73	+28 53.8	1.888	2.864	3.1	21.5
1 22	6 54.98	+29 10.8	1.923	2.868	6.8	21.7
2 1	6 45.95	+29 17.4	1.986	2.871	10.4	21.9
2 11	6 39.46	+29 15.4	2.074	2.874	13.6	22.2

414003 2007 FC_{49} 1 7.5 350.°00 5.°1/ 6.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.37	+32 27.2	1.570	2.397	15.9	20.6
12 13	7 34.15	+33 18.9	1.496	2.391	12.4	20.4
12 23	7 26.68	+34 8.0	1.443	2.387	8.6	20.2
1 2	7 16.78	+34 46.9	1.416	2.383	5.5	20.0
1 12	7 5.91	+35 9.6	1.415	2.380	5.9	20.0
1 22	6 55.70	+35 13.0	1.440	2.378	9.3	20.2
2 1	6 47.69	+34 58.5	1.490	2.376	13.2	20.4
2 11	6 42.92	+34 30.2	1.562	2.375	16.7	20.6

257355 2009 KT_{22} 1 7.5 130.°56 3.°6/ 8.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.97	+11 14.9	2.182	2.960	13.7	21.4
12 13	7 33.18	+11 0.5	2.109	2.974	10.8	21.3
12 23	7 25.36	+10 56.4	2.060	2.988	7.5	21.1
1 2	7 16.15	+11 2.5	2.038	3.002	4.5	20.9
1 12	7 6.49	+11 18.0	2.045	3.014	3.9	20.9
1 22	6 57.33	+11 40.8	2.083	3.027	6.4	21.1
2 1	6 49.57	+12 8.9	2.149	3.038	9.5	21.3
2 11	6 43.87	+12 39.9	2.240	3.049	12.4	21.5

358049 2006 HZ_{12} 1 7.5 273.°29 1.°8/ 6.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.15	+24 15.4	1.616	2.435	15.9	21.3
12 13	7 35.38	+24 57.0	1.526	2.421	12.2	21.1
12 23	7 27.48	+25 44.3	1.458	2.408	7.8	20.8
1 2	7 17.12	+26 32.1	1.416	2.394	3.2	20.5
1 12	7 5.59	+27 14.6	1.402	2.380	3.2	20.4
1 22	6 54.44	+27 47.3	1.416	2.366	8.0	20.7
2 1	6 45.22	+28 8.6	1.456	2.352	12.7	20.9
2 11	6 39.06	+28 19.5	1.518	2.338	16.7	21.1

377176 2003 UN_{100} 1 7.5 82.°98 1.°2/ 6.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.91	+23 17.5	2.141	2.947	13.0	20.5
12 13	7 32.63	+24 5.4	2.074	2.963	9.8	20.3
12 23	7 25.14	+24 57.1	2.031	2.978	6.1	20.1
1 2	7 16.11	+25 48.5	2.016	2.994	2.4	19.9
1 12	7 6.52	+26 35.3	2.031	3.009	2.4	19.9
1 22	6 57.46	+27 14.6	2.076	3.024	6.0	20.2
2 1	6 49.88	+27 45.0	2.149	3.039	9.5	20.4
2 11	6 44.52	+28 6.9	2.247	3.054	12.4	20.6

422914 2002 RJ_{273} 1 7.5 67.°62 3.°0/ 6.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.49	+30 30.3	2.093	2.901	13.2	21.6
12 13	7 33.95	+30 53.0	2.023	2.910	10.1	21.4
12 23	7 26.00	+31 12.9	1.977	2.920	6.6	21.2
1 2	7 16.41	+31 25.8	1.958	2.930	3.6	21.0
1 12	7 6.30	+31 28.6	1.969	2.940	3.7	21.1
1 22	6 56.83	+31 20.2	2.009	2.950	6.8	21.3
2 1	6 49.05	+31 1.9	2.076	2.961	10.1	21.5
2 11	6 43.70	+30 36.0	2.168	2.971	13.0	21.7

495508 2014 UW_{187} 1 7.5 94.°39 6.°1/ 8.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.40	+ 7 11.3	1.926	2.701	15.3	21.2
12 13	7 32.27	+ 6 21.6	1.852	2.709	12.4	21.0
12 23	7 24.92	+ 5 45.0	1.801	2.716	9.3	20.9
1 2	7 16.03	+ 5 23.8	1.775	2.724	6.7	20.7
1 12	7 6.60	+ 5 18.9	1.777	2.731	6.2	20.7
1 22	6 57.69	+ 5 29.3	1.807	2.738	8.2	20.8
2 1	6 50.28	+ 5 52.4	1.864	2.745	11.1	21.0
2 11	6 45.08	+ 6 24.6	1.943	2.753	14.0	21.2

276692 2003 YC_{113} 1 7.5 71.°96 3.°4/ 6.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.28	+29 8.8	2.118	2.924	13.1	19.8
12 13	7 34.52	+30 21.6	2.062	2.949	10.0	19.7
12 23	7 26.36	+31 33.8	2.031	2.973	6.6	19.5
1 2	7 16.55	+32 39.3	2.028	2.998	3.8	19.4
1 12	7 6.18	+33 32.9	2.055	3.022	4.2	19.4
1 22	6 56.43	+34 11.9	2.112	3.046	7.0	19.7
2 1	6 48.34	+34 35.9	2.197	3.070	10.1	19.9
2 11	6 42.67	+34 47.1	2.305	3.094	12.8	20.1

612 Veronika 1 7.5 122.°50 7.°1/10.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 34.08	− 4 36.0	2.969	3.667	12.1	16.7
12 13	7 29.02	− 5 16.8	2.899	3.683	10.4	16.6
12 23	7 22.54	− 5 42.6	2.851	3.699	8.8	16.5
1 2	7 15.12	− 5 51.1	2.829	3.715	7.5	16.5
1 12	7 7.38	− 5 41.7	2.834	3.730	7.1	16.4
1 22	6 59.98	− 5 15.6	2.867	3.745	7.8	16.5
2 1	6 53.52	− 4 35.2	2.927	3.760	9.1	16.6
2 11	6 48.49	− 3 44.2	3.012	3.773	10.7	16.8

278472 2007 TX_{251} 1 7.5 160.°37 2.°8/ 8.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 35.47	+13 0.0	2.731	3.509	11.2	20.7
12 13	7 30.26	+12 41.2	2.646	3.513	8.8	20.5
12 23	7 23.42	+12 29.3	2.587	3.518	6.0	20.4
1 2	7 15.46	+12 24.4	2.555	3.522	3.5	20.2
1 12	7 7.10	+12 25.8	2.555	3.525	3.0	20.2
1 22	6 59.08	+12 32.9	2.585	3.528	5.3	20.3
2 1	6 52.11	+12 44.3	2.644	3.531	8.0	20.5
2 11	6 46.76	+12 58.8	2.729	3.534	10.5	20.7

316888 2000 SG_{48} 1 7.5 42.°03 5.°9/ 8.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.91	+ 9 1.1	1.712	2.503	16.4	19.5
12 13	7 32.15	+ 8 9.7	1.642	2.511	13.1	19.3
12 23	7 24.95	+ 7 31.3	1.595	2.519	9.6	19.2
1 2	7 16.07	+ 7 8.3	1.572	2.527	6.7	19.0
1 12	7 6.61	+ 7 1.6	1.576	2.536	6.1	19.0
1 22	6 57.76	+ 7 10.0	1.608	2.546	8.4	19.1
2 1	6 50.58	+ 7 31.0	1.665	2.555	11.8	19.4
2 11	6 45.85	+ 8 0.6	1.745	2.565	14.9	19.6

124883 2001 TX_{39} 1 7.5 337.°33 5.°9/ 6.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.04	+32 8.8	1.196	2.038	18.9	18.8
12 13	7 35.64	+32 58.6	1.122	2.026	14.8	18.5
12 23	7 28.15	+33 46.0	1.068	2.016	10.3	18.2
1 2	7 17.46	+34 21.8	1.036	2.006	6.4	18.0
1 12	7 5.38	+34 37.5	1.029	1.997	6.8	18.0
1 22	6 54.11	+34 29.8	1.046	1.990	11.1	18.2
2 1	6 45.67	+34 0.7	1.085	1.983	15.8	18.4
2 11	6 41.34	+33 16.5	1.142	1.977	20.1	18.7

456940 2007 YH_{72} 1 7.5 313.°02 3.°0/ 6.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.16	+27 4.8	1.521	2.349	16.3	21.0
12 13	7 34.14	+27 47.4	1.432	2.332	12.5	20.8
12 23	7 26.82	+28 33.3	1.365	2.315	8.2	20.5
1 2	7 16.93	+29 16.5	1.323	2.299	3.9	20.2
1 12	7 5.80	+29 50.7	1.307	2.283	4.2	20.2
1 22	6 55.09	+30 11.5	1.319	2.267	8.7	20.4
2 1	6 46.43	+30 18.2	1.355	2.252	13.4	20.6
2 11	6 41.01	+30 12.9	1.412	2.237	17.5	20.8

460158 2014 QF_{20} 1 7.5 89.°52 0.°4/ 7.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.91	+23 44.6	1.789	2.599	15.0	21.5
12 13	7 35.90	+23 38.9	1.723	2.613	11.4	21.3
12 23	7 27.27	+23 34.7	1.679	2.627	7.2	21.0
1 2	7 16.88	+23 29.5	1.663	2.641	2.6	20.8
1 12	7 5.98	+23 21.2	1.675	2.655	2.2	20.8
1 22	6 55.87	+23 9.2	1.717	2.669	6.7	21.1
2 1	6 47.67	+22 54.0	1.786	2.683	10.7	21.4
2 11	6 42.14	+22 36.9	1.879	2.696	14.1	21.6

421028 2013 PS_{64} 1 7.5 68.°04 2.°3/ 8.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.44	+16 14.9	1.906	2.708	14.5	21.6
12 13	7 32.43	+15 59.8	1.830	2.714	11.2	21.4
12 23	7 25.08	+15 52.1	1.777	2.719	7.4	21.2
1 2	7 16.12	+15 51.4	1.751	2.725	3.6	20.9
1 12	7 6.58	+15 56.4	1.753	2.730	2.9	20.9
1 22	6 57.58	+16 5.6	1.784	2.736	6.5	21.1
2 1	6 50.15	+16 17.6	1.843	2.742	10.3	21.4
2 11	6 45.04	+16 31.0	1.925	2.747	13.6	21.6

5563 1991 VZ_1 1 7.5 349.°85 3.°9/ 6.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.58	+29 5.5	1.776	2.595	14.7	16.1
12 13	7 33.93	+30 11.6	1.699	2.593	11.3	15.9
12 23	7 26.39	+31 19.1	1.646	2.591	7.5	15.7
1 2	7 16.69	+32 21.2	1.619	2.590	4.3	15.5
1 12	7 6.06	+33 11.6	1.620	2.588	4.8	15.5
1 22	6 55.93	+33 46.1	1.649	2.588	8.2	15.7
2 1	6 47.66	+34 4.2	1.704	2.587	12.0	15.9
2 11	6 42.23	+34 8.1	1.782	2.587	15.3	16.2

503604 2016 GQ_{95} 1 7.5 172.°38 3.°6/ 8.9 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 34.33	+ 9 17.0	2.613	3.384	11.9	22.1
12 13	7 29.52	+ 9 11.2	2.527	3.385	9.4	21.9
12 23	7 23.02	+ 9 15.5	2.464	3.387	6.8	21.7
1 2	7 15.35	+ 9 30.3	2.429	3.388	4.3	21.6
1 12	7 7.21	+ 9 54.5	2.424	3.389	3.8	21.5
1 22	6 59.39	+10 26.4	2.449	3.390	5.8	21.7
2 1	6 52.60	+11 3.8	2.503	3.390	8.4	21.8
2 11	6 47.46	+11 44.2	2.582	3.390	11.0	22.0

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
456898	2007 VG_{184}		1	7.5	120.°36	3.°7/ 9.2 18
	h m	° ′			°	m
12 3	7 42.62	+ 7 12.7	2.836	3.576	11.8	23.1
12 13	7 35.33	+ 7 17.1	2.769	3.608	9.3	23.0
12 23	7 26.44	+ 7 32.1	2.728	3.639	6.7	22.9
1 2	7 16.52	+ 7 57.2	2.716	3.669	4.4	22.8
1 12	7 6.31	+ 8 31.2	2.737	3.697	3.8	22.8
1 22	6 56.58	+ 9 11.8	2.791	3.724	5.5	22.9
2 1	6 48.03	+ 9 56.6	2.876	3.750	7.9	23.1
2 11	6 41.19	+10 43.1	2.988	3.774	10.2	23.3
196884	2003 SE_{312}		1	7.5	332.°09	0.°2/ 7.5 18
12 3	7 36.09	+20 29.0	1.960	2.770	13.8	19.8
12 13	7 31.55	+20 46.9	1.875	2.766	10.5	19.5
12 23	7 24.63	+21 10.6	1.815	2.763	6.7	19.3
1 2	7 16.00	+21 37.6	1.781	2.760	2.5	19.0
1 12	7 6.66	+22 4.8	1.776	2.756	2.0	19.0
1 22	6 57.75	+22 29.7	1.800	2.753	6.3	19.3
2 1	6 50.34	+22 50.7	1.851	2.751	10.2	19.5
2 11	6 45.25	+23 7.3	1.926	2.748	13.6	19.7
43824	1992 SY_{24}		1	7.5	86.°34	4.°5/ 6.4 18
12 3	7 41.31	+35 2.9	2.182	2.982	12.9	18.1
12 13	7 35.34	+35 35.7	2.114	2.993	10.1	18.0
12 23	7 26.89	+36 2.6	2.070	3.004	7.1	17.8
1 2	7 16.76	+36 18.6	2.053	3.014	4.8	17.7
1 12	7 6.09	+36 20.2	2.066	3.025	5.0	17.7
1 22	6 56.11	+36 6.5	2.107	3.035	7.4	17.9
2 1	6 47.90	+35 39.4	2.176	3.046	10.3	18.1
2 11	6 42.21	+35 2.6	2.268	3.056	12.9	18.3
364277	2006 TL_{53}		1	7.5	176.°05	4.°9/ 5.7 18
12 3	7 43.21	+34 11.2	2.137	2.936	13.2	21.2
12 13	7 37.08	+35 16.7	2.060	2.938	10.4	21.0
12 23	7 28.21	+36 18.8	2.007	2.940	7.4	20.8
1 2	7 17.31	+37 10.8	1.982	2.941	5.2	20.7
1 12	7 5.58	+37 47.0	1.987	2.942	5.6	20.7
1 22	6 54.36	+38 4.9	2.020	2.942	8.1	20.8
2 1	6 44.89	+38 5.1	2.081	2.941	11.1	21.0
2 11	6 38.12	+37 51.1	2.164	2.940	13.9	21.2
85513	1997 UE_{11}		1	7.5	85.°71	1.°1/ 7.7 18
12 3	7 43.55	+18 52.8	1.542	2.351	17.0	20.0
12 13	7 37.32	+18 59.5	1.487	2.376	12.9	19.8
12 23	7 28.23	+19 13.7	1.454	2.401	8.2	19.6
1 2	7 17.24	+19 32.6	1.447	2.425	3.2	19.3
1 12	7 5.75	+19 52.9	1.468	2.448	2.5	19.3
1 22	6 55.21	+20 12.1	1.518	2.472	7.2	19.7
2 1	6 46.84	+20 28.7	1.595	2.495	11.5	20.0
2 11	6 41.42	+20 42.5	1.694	2.517	15.1	20.3
402761	2007 AL_{31}		1	7.5	35.°82	9.°1/11.4 18
12 3	7 34.80	− 1 17.2	1.533	2.297	19.1	20.4
12 13	7 30.78	− 1 33.9	1.472	2.310	16.1	20.2
12 23	7 24.19	− 1 23.9	1.429	2.324	12.9	20.1
1 2	7 15.83	− 0 44.6	1.408	2.338	10.2	19.9
1 12	7 6.86	+ 0 23.0	1.413	2.353	9.1	19.9
1 22	6 58.51	+ 1 53.5	1.442	2.368	10.4	20.0
2 1	6 51.93	+ 3 39.0	1.497	2.384	13.1	20.2
2 11	6 47.91	+ 5 30.7	1.575	2.400	16.0	20.5
376044	2010 CK_{149}		1	7.5	81.°72	1.°2/ 7.2 18
12 3	7 38.47	+25 44.6	2.138	2.945	13.0	20.9
12 13	7 33.07	+25 53.0	2.062	2.952	9.8	20.7
12 23	7 25.43	+26 1.6	2.011	2.959	6.2	20.5
1 2	7 16.24	+26 7.7	1.988	2.966	2.4	20.2
1 12	7 6.54	+26 9.0	1.994	2.972	2.3	20.2
1 22	6 57.39	+26 4.3	2.030	2.979	6.0	20.5
2 1	6 49.78	+25 53.9	2.093	2.986	9.6	20.7
2 11	6 44.44	+25 39.2	2.182	2.993	12.6	20.9
305512	2008 EU_{158}		1	7.5	106.°35	0.°6/ 7.2 17
12 3	7 34.04	+23 18.9	2.901	3.699	10.1	21.4
12 13	7 29.22	+23 41.0	2.822	3.707	7.6	21.2
12 23	7 22.79	+24 5.2	2.769	3.715	4.8	21.1
1 2	7 15.26	+24 29.3	2.745	3.723	1.8	20.9
1 12	7 7.34	+24 51.2	2.752	3.731	1.6	20.9
1 22	6 59.75	+25 9.4	2.789	3.739	4.6	21.1
2 1	6 53.19	+25 23.1	2.857	3.746	7.4	21.3
2 11	6 48.23	+25 32.3	2.949	3.754	9.9	21.5
413589	2005 UE_{87}		1	7.5	329.°48	2.°3/ 6.8 18
12 3	7 38.15	+26 7.3	1.743	2.563	14.9	21.0
12 13	7 33.54	+26 45.4	1.662	2.558	11.4	20.7
12 23	7 26.11	+27 26.1	1.604	2.554	7.3	20.5
1 2	7 16.60	+28 4.6	1.572	2.549	3.2	20.2
1 12	7 6.20	+28 35.8	1.569	2.545	3.4	20.2
1 22	6 56.31	+28 56.7	1.593	2.541	7.5	20.5
2 1	6 48.25	+29 6.4	1.644	2.538	11.6	20.7
2 11	6 42.96	+29 6.6	1.717	2.535	15.2	20.9

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
282820	2006 SH_{59}		1	7.5	163.°85	8.°4/11.2 18
	h m	° ′			°	m
12 3	7 33.36	−10 7.9	3.103	3.764	12.3	22.0
12 13	7 28.53	−10 59.8	3.024	3.768	11.0	21.9
12 23	7 22.29	−11 35.3	2.967	3.773	9.7	21.8
1 2	7 15.08	−11 51.5	2.933	3.777	8.7	21.7
1 12	7 7.49	−11 47.1	2.925	3.780	8.4	21.7
1 22	7 0.16	−11 22.8	2.943	3.783	8.8	21.7
2 1	6 53.71	−10 40.7	2.987	3.786	9.8	21.8
2 11	6 48.62	− 9 44.7	3.054	3.788	11.1	21.9
459030	2011 YH_{46}		1	7.5	38.°61	3.°7/ 6.6 18
12 3	7 40.63	+28 7.1	1.278	2.113	18.3	20.5
12 13	7 35.96	+28 56.0	1.228	2.131	13.9	20.3
12 23	7 27.77	+29 44.9	1.200	2.150	9.0	20.1
1 2	7 17.16	+30 26.4	1.195	2.170	4.5	19.9
1 12	7 5.85	+30 54.1	1.217	2.191	4.8	19.9
1 22	6 55.67	+31 5.4	1.264	2.212	9.1	20.2
2 1	6 48.12	+31 1.5	1.335	2.234	13.5	20.6
2 11	6 44.08	+30 46.3	1.427	2.256	17.2	20.8
49439	1998 YC_5		1	7.5	39.°81	1.°4/ 8.1 18 R
12 3	7 35.24	+15 53.5	1.995	2.798	13.9	18.7
12 13	7 30.75	+16 24.3	1.920	2.805	10.7	18.5
12 23	7 24.05	+17 5.1	1.869	2.813	6.9	18.3
1 2	7 15.78	+17 53.5	1.844	2.820	3.0	18.1
1 12	7 6.91	+18 45.9	1.849	2.828	2.2	18.0
1 22	6 58.49	+19 38.7	1.883	2.836	6.0	18.3
2 1	6 51.51	+20 28.9	1.944	2.845	9.8	18.6
2 11	6 46.70	+21 14.3	2.031	2.853	13.0	18.8
133866	2004 BW_{80}		1	7.5	93.°73	4.°4/ 9.7 18
12 3	7 35.24	+ 5 36.4	2.419	3.178	13.0	19.9
12 13	7 30.24	+ 5 51.2	2.347	3.195	10.5	19.7
12 23	7 23.47	+ 6 20.3	2.298	3.211	7.7	19.6
1 2	7 15.52	+ 7 3.4	2.276	3.227	5.2	19.5
1 12	7 7.15	+ 7 58.5	2.283	3.243	4.5	19.4
1 22	6 59.18	+ 9 2.4	2.321	3.259	6.2	19.6
2 1	6 52.38	+10 11.4	2.388	3.275	8.8	19.8
2 11	6 47.33	+11 21.7	2.481	3.290	11.3	20.0
278056	2006 XP_{26}		1	7.5	40.°22	1.°1/ 7.7 17
12 3	7 39.99	+18 46.8	1.134	1.970	20.1	20.6
12 13	7 35.73	+18 58.0	1.075	1.979	15.4	20.4
12 23	7 27.80	+19 20.3	1.036	1.988	9.9	20.1
1 2	7 17.24	+19 50.5	1.020	1.998	3.8	19.8
1 12	7 5.77	+20 23.5	1.028	2.009	2.9	19.8
1 22	6 55.29	+20 54.9	1.062	2.020	8.8	20.2
2 1	6 47.47	+21 22.2	1.120	2.032	14.2	20.5
2 11	6 43.30	+21 44.3	1.197	2.044	18.6	20.8
253206	2002 XL_{80}		1	7.5	3.°49	1.°5/ 7.4 18
12 3	7 42.35	+28 10.0	1.497	2.319	16.8	19.5
12 13	7 36.90	+27 41.1	1.422	2.319	12.8	19.2
12 23	7 28.24	+27 7.8	1.369	2.319	8.2	19.0
1 2	7 17.34	+26 27.2	1.341	2.319	3.3	18.7
1 12	7 5.71	+25 38.4	1.341	2.321	2.9	18.7
1 22	6 55.01	+24 42.9	1.369	2.323	7.8	19.0
2 1	6 46.62	+23 44.2	1.423	2.325	12.5	19.2
2 11	6 41.46	+22 46.1	1.499	2.328	16.4	19.5
421927	2014 QY_{238}		1	7.5	115.°53	1.°2/ 7.9 18
12 3	7 39.34	+17 18.7	1.887	2.689	14.7	21.5
12 13	7 33.91	+17 36.9	1.815	2.700	11.2	21.3
12 23	7 26.06	+18 3.6	1.766	2.711	7.2	21.1
1 2	7 16.52	+18 36.3	1.745	2.721	3.0	20.9
1 12	7 6.36	+19 11.8	1.752	2.732	2.2	20.9
1 22	6 56.77	+19 47.1	1.789	2.742	6.4	21.1
2 1	6 48.82	+20 20.0	1.854	2.752	10.3	21.4
2 11	6 43.28	+20 49.2	1.942	2.761	13.7	21.6
418871	2008 XB_5		1	7.5	46.°98	2.°4/ 7.8 18
12 3	7 39.01	+18 6.7	1.953	2.754	14.2	20.1
12 13	7 33.44	+17 20.2	1.882	2.765	10.9	19.9
12 23	7 25.62	+16 37.7	1.834	2.777	7.2	19.7
1 2	7 16.31	+15 59.8	1.815	2.788	3.5	19.5
1 12	7 6.56	+15 26.9	1.824	2.800	3.0	19.4
1 22	6 57.47	+14 59.4	1.863	2.813	6.5	19.7
2 1	6 50.01	+14 37.5	1.930	2.825	10.1	19.9
2 11	6 44.84	+14 20.8	2.020	2.838	13.2	20.2
13669	Swammerdam		1	7.5	110.°52	1.°3/ 7.8 18
12 3	7 39.42	+18 7.4	1.795	2.601	15.1	19.2
12 13	7 34.10	+18 13.6	1.722	2.609	11.6	19.0
12 23	7 26.24	+18 27.2	1.672	2.617	7.4	18.7
1 2	7 16.59	+18 46.3	1.648	2.625	3.0	18.5
1 12	7 6.30	+19 8.2	1.653	2.633	2.3	18.5
1 22	6 56.61	+19 30.4	1.687	2.640	6.6	18.7
2 1	6 48.65	+19 51.2	1.748	2.648	10.7	19.0
2 11	6 43.22	+20 9.7	1.833	2.655	14.2	19.2

244021 2001 SN_{146} 1 7.5 82.°85 9.°7/11.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 33.66	− 9 26.4	2.444	3.127	14.8	20.9
12 13	7 29.06	−10 17.7	2.377	3.140	13.1	20.8
12 23	7 22.75	−10 48.4	2.330	3.152	11.4	20.7
1 2	7 15.28	−10 55.0	2.305	3.164	10.2	20.7
1 12	7 7.40	−10 36.4	2.305	3.176	9.7	20.7
1 22	6 59.90	− 9 54.0	2.331	3.188	10.2	20.7
2 1	6 53.54	− 8 51.5	2.381	3.200	11.4	20.8
2 11	6 48.88	− 7 34.4	2.454	3.212	12.9	20.9

473711 2015 YR_{16} 1 7.5 168.°11 5.°6/ 5.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.60	+33 52.3	1.835	2.645	14.7	21.2
12 13	7 37.07	+35 9.4	1.762	2.646	11.5	20.9
12 23	7 28.44	+36 23.9	1.711	2.647	8.2	20.8
1 2	7 17.48	+37 27.6	1.688	2.647	5.8	20.6
1 12	7 5.54	+38 13.3	1.693	2.648	6.3	20.6
1 22	6 54.16	+38 37.8	1.726	2.649	9.2	20.8
2 1	6 44.80	+38 41.6	1.784	2.649	12.5	21.0
2 11	6 38.50	+38 28.8	1.865	2.649	15.5	21.2

135743 2002 PU_{175} 1 7.5 231.°36 1.°3/ 7.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.89	+18 17.8	1.997	2.796	14.1	20.7
12 13	7 34.44	+18 17.7	1.902	2.785	10.8	20.5
12 23	7 26.51	+18 23.9	1.830	2.774	7.0	20.2
1 2	7 16.74	+18 35.0	1.786	2.763	2.9	20.0
1 12	7 6.15	+18 48.8	1.772	2.751	2.3	19.9
1 22	6 55.93	+19 3.5	1.787	2.738	6.5	20.1
2 1	6 47.19	+19 17.7	1.829	2.725	10.5	20.4
2 11	6 40.83	+19 30.7	1.896	2.712	14.1	20.6

89761 2002 AA_{59} 1 7.5 64.°06 1.°5/ 7.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.16	+17 31.6	1.350	2.169	18.5	18.5
12 13	7 36.60	+17 43.8	1.300	2.194	14.1	18.3
12 23	7 27.93	+18 6.4	1.271	2.219	9.0	18.1
1 2	7 17.19	+18 36.3	1.267	2.244	3.6	17.8
1 12	7 5.92	+19 9.3	1.290	2.269	2.7	17.8
1 22	6 55.68	+19 41.6	1.339	2.295	7.7	18.2
2 1	6 47.81	+20 11.0	1.415	2.320	12.3	18.5
2 11	6 43.09	+20 36.2	1.512	2.345	16.2	18.8

51618 2001 HV_{35} 1 7.5 127.°32 2.°6/ 6.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.46	+27 51.7	2.121	2.923	13.2	19.6
12 13	7 36.17	+28 36.1	2.053	2.938	10.1	19.5
12 23	7 27.44	+29 20.6	2.009	2.953	6.5	19.3
1 2	7 17.02	+30 0.0	1.994	2.967	3.2	19.1
1 12	7 6.01	+30 30.3	2.008	2.981	3.4	19.1
1 22	6 55.60	+30 49.1	2.053	2.994	6.7	19.3
2 1	6 46.88	+30 56.7	2.126	3.007	10.0	19.6
2 11	6 40.62	+30 54.8	2.223	3.019	12.9	19.8

363794 2005 JV_{132} 1 7.5 244.°02 6.°6/ 8.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.51	+ 5 51.5	1.916	2.686	15.6	21.9
12 13	7 32.60	+ 5 6.8	1.825	2.677	12.8	21.7
12 23	7 25.33	+ 4 36.0	1.757	2.668	9.8	21.5
1 2	7 16.32	+ 4 21.9	1.713	2.659	7.3	21.3
1 12	7 6.54	+ 4 25.6	1.697	2.649	6.7	21.3
1 22	6 57.11	+ 4 46.3	1.709	2.639	8.7	21.4
2 1	6 49.10	+ 5 21.1	1.748	2.629	11.8	21.5
2 11	6 43.36	+ 6 5.9	1.809	2.618	14.9	21.7

361563 2007 RZ_{50} 1 7.5 314.°22 2.°4/ 7.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.35	+17 45.8	1.521	2.337	16.9	20.9
12 13	7 34.59	+17 21.8	1.440	2.332	13.1	20.6
12 23	7 26.84	+17 4.8	1.381	2.327	8.6	20.3
1 2	7 16.90	+16 54.5	1.346	2.322	3.9	20.0
1 12	7 6.08	+16 49.7	1.339	2.317	3.2	20.0
1 22	6 55.85	+16 49.2	1.359	2.313	7.8	20.2
2 1	6 47.58	+16 52.0	1.405	2.309	12.5	20.5
2 11	6 42.27	+16 57.1	1.473	2.305	16.5	20.7

240335 2003 PC_{2} 1 7.5 136.°48 1.°4/ 7.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.64	+16 40.2	1.848	2.646	15.0	20.8
12 13	7 34.97	+17 2.4	1.773	2.656	11.5	20.6
12 23	7 26.79	+17 34.0	1.722	2.666	7.5	20.3
1 2	7 16.82	+18 12.6	1.699	2.675	3.1	20.1
1 12	7 6.18	+18 54.4	1.704	2.684	2.3	20.1
1 22	6 56.09	+19 36.2	1.739	2.692	6.6	20.3
2 1	6 47.70	+20 15.3	1.802	2.700	10.6	20.6
2 11	6 41.81	+20 50.1	1.889	2.707	14.0	20.8

499406 2010 BU_{98} 1 7.5 339.°57 10.°1/13.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 33.29	− 9 31.3	2.139	2.833	16.3	20.8
12 13	7 29.18	− 9 43.5	2.052	2.828	14.5	20.6
12 23	7 23.05	− 9 30.4	1.984	2.822	12.5	20.5
1 2	7 15.47	− 8 48.3	1.938	2.817	10.8	20.4
1 12	7 7.26	− 7 36.5	1.917	2.813	10.1	20.3
1 22	6 59.36	− 5 58.0	1.923	2.808	10.6	20.3
2 1	6 52.68	− 3 58.7	1.954	2.804	12.2	20.4
2 11	6 47.95	− 1 46.9	2.010	2.801	14.3	20.6

219443 2000 UG_{97} 1 7.5 27.°44 0.°2/ 7.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.98	+22 24.1	1.422	2.251	17.1	19.0
12 13	7 33.48	+22 13.6	1.364	2.264	13.0	18.8
12 23	7 26.02	+22 6.7	1.326	2.278	8.2	18.6
1 2	7 16.53	+22 1.3	1.314	2.293	3.0	18.3
1 12	7 6.47	+21 55.2	1.328	2.309	2.4	18.3
1 22	6 57.32	+21 47.3	1.369	2.326	7.5	18.7
2 1	6 50.35	+21 37.6	1.436	2.343	12.0	19.0
2 11	6 46.36	+21 26.8	1.524	2.361	15.8	19.2

303407 2004 XM_{159} 1 7.5 314.°69 1.°7/ 7.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.20	+20 7.6	1.372	2.200	17.7	19.9
12 13	7 34.27	+19 38.8	1.280	2.179	13.8	19.6
12 23	7 26.99	+19 14.2	1.208	2.158	9.0	19.3
1 2	7 17.07	+18 53.2	1.160	2.138	3.8	18.9
1 12	7 5.89	+18 34.8	1.139	2.119	3.1	18.8
1 22	6 55.16	+18 18.5	1.143	2.100	8.6	19.1
2 1	6 46.52	+18 4.5	1.172	2.081	13.9	19.3
2 11	6 41.20	+17 53.0	1.221	2.064	18.6	19.6

177772 2005 JJ_{168} 1 7.5 135.°16 1.°6/ 7.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.09	+25 2.0	2.021	2.826	13.7	20.8
12 13	7 35.24	+25 35.4	1.948	2.836	10.4	20.6
12 23	7 26.91	+26 10.9	1.898	2.845	6.6	20.4
1 2	7 16.85	+26 44.3	1.877	2.854	2.7	20.1
1 12	7 6.17	+27 11.9	1.886	2.863	2.7	20.1
1 22	6 56.05	+27 31.2	1.924	2.871	6.5	20.4
2 1	6 47.61	+27 41.7	1.990	2.879	10.2	20.6
2 11	6 41.62	+27 44.7	2.080	2.887	13.3	20.9

178955 2001 QH_{180} 1 7.5 81.°40 7.°0/ 5.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 46.88	+39 25.2	1.817	2.615	15.3	19.7
12 13	7 40.14	+40 28.3	1.766	2.637	12.2	19.6
12 23	7 30.18	+41 21.2	1.737	2.658	9.2	19.4
1 2	7 18.03	+41 56.0	1.734	2.679	7.2	19.4
1 12	7 5.27	+42 7.1	1.759	2.700	7.5	19.4
1 22	6 53.55	+41 54.2	1.811	2.721	9.7	19.6
2 1	6 44.28	+41 20.8	1.889	2.742	12.4	19.8
2 11	6 38.28	+40 33.1	1.988	2.762	15.0	20.0

7872 1990 UC 1 7.5 67.°89 5.°9/ 9.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.90	+ 8 23.8	1.382	2.179	19.2	17.5
12 13	7 35.48	+ 8 2.4	1.331	2.204	15.3	17.3
12 23	7 27.17	+ 7 59.8	1.300	2.228	11.0	17.1
1 2	7 16.93	+ 8 16.8	1.292	2.253	7.1	16.9
1 12	7 6.18	+ 8 51.3	1.311	2.277	6.1	17.0
1 22	6 56.37	+ 9 39.1	1.356	2.302	8.9	17.2
2 1	6 48.72	+10 35.0	1.427	2.326	12.7	17.5
2 11	6 44.03	+11 33.5	1.520	2.350	16.2	17.7

317497 2002 SD_{69} 1 7.5 18.°40 0.°0/ 7.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.60	+21 44.1	1.527	2.349	16.5	21.2
12 13	7 34.01	+21 52.8	1.454	2.351	12.6	20.9
12 23	7 26.45	+22 6.7	1.403	2.354	8.0	20.7
1 2	7 16.75	+22 23.0	1.378	2.357	2.9	20.4
1 12	7 6.26	+22 38.1	1.380	2.360	2.4	20.3
1 22	6 56.45	+22 49.7	1.409	2.364	7.4	20.7
2 1	6 48.67	+22 56.8	1.464	2.368	12.0	20.9
2 11	6 43.83	+22 59.7	1.541	2.373	15.9	21.2

371779 2007 HH_{76} 1 7.5 244.°05 2.°9/ 6.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.89	+28 39.9	2.073	2.882	13.2	20.9
12 13	7 33.75	+29 23.4	1.990	2.879	10.1	20.6
12 23	7 26.10	+30 7.1	1.932	2.877	6.6	20.4
1 2	7 16.61	+30 46.1	1.901	2.874	3.5	20.2
1 12	7 6.37	+31 16.1	1.899	2.871	3.7	20.2
1 22	6 56.57	+31 34.3	1.926	2.867	7.0	20.4
2 1	6 48.36	+31 40.5	1.981	2.864	10.5	20.6
2 11	6 42.60	+31 36.6	2.059	2.861	13.6	20.8

168802 2000 ST_{110} 1 7.5 43.°82 4.°4/ 8.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.49	+12 32.7	1.275	2.093	19.4	19.2
12 13	7 34.03	+12 15.3	1.220	2.109	15.1	19.0
12 23	7 26.46	+12 13.6	1.184	2.125	10.4	18.8
1 2	7 16.74	+12 27.5	1.171	2.141	5.8	18.6
1 12	7 6.36	+12 54.8	1.184	2.158	4.8	18.5
1 22	6 56.89	+13 31.6	1.223	2.176	8.6	18.8
2 1	6 49.68	+14 13.6	1.286	2.194	13.1	19.1
2 11	6 45.60	+14 56.8	1.371	2.212	17.0	19.4

205559 2001 SK_{274} 1 7.5 16.°86 1.°4/ 7.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 34.60	+17 38.1	1.986	2.794	13.8	20.3
12 13	7 30.29	+17 41.4	1.909	2.797	10.6	20.1
12 23	7 23.79	+17 51.8	1.856	2.801	6.8	19.9
1 2	7 15.74	+18 8.0	1.829	2.805	2.9	19.7
1 12	7 7.13	+18 27.8	1.831	2.810	2.2	19.6
1 22	6 58.98	+18 49.1	1.862	2.816	6.1	19.9
2 1	6 52.29	+19 10.1	1.920	2.821	9.8	20.1
2 11	6 47.77	+19 29.7	2.002	2.828	13.0	20.3

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
302412	2002 CS_{182}		1	7.5	244.°20	1.°4/ 7.9 18
	h m	° ′			°	m
12 3	7 39.18	+16 40.2	1.647	2.456	16.1	20.5
12 13	7 34.38	+17 4.6	1.562	2.450	12.5	20.3
12 23	7 26.72	+17 40.5	1.499	2.445	8.1	20.0
1 2	7 16.91	+18 25.3	1.462	2.439	3.4	19.7
1 12	7 6.13	+19 15.0	1.453	2.433	2.5	19.6
1 22	6 55.79	+20 5.2	1.473	2.427	7.3	19.9
2 1	6 47.21	+20 52.3	1.519	2.421	11.9	20.1
2 11	6 41.42	+21 34.3	1.588	2.414	15.8	20.4
126305	2002 AQ_{120}		1	7.5	267.°95	1.°2/ 7.2 18
12 3	7 38.96	+25 9.7	2.023	2.832	13.5	20.2
12 13	7 33.81	+25 22.3	1.931	2.821	10.3	19.9
12 23	7 26.16	+25 36.4	1.862	2.810	6.6	19.7
1 2	7 16.66	+25 48.7	1.821	2.799	2.6	19.4
1 12	7 6.37	+25 56.2	1.809	2.787	2.4	19.4
1 22	6 56.50	+25 57.4	1.826	2.776	6.5	19.6
2 1	6 48.18	+25 51.9	1.871	2.765	10.4	19.8
2 11	6 42.29	+25 41.1	1.939	2.753	13.9	20.0
147726	2005 MU_{20}		1	7.5	38.°68	0.°4/ 7.6 18
12 3	7 37.95	+19 58.4	1.572	2.392	16.2	20.2
12 13	7 33.37	+20 17.2	1.504	2.399	12.4	19.9
12 23	7 25.98	+20 43.6	1.458	2.408	7.8	19.7
1 2	7 16.59	+21 14.2	1.438	2.416	2.9	19.4
1 12	7 6.48	+21 45.3	1.445	2.425	2.3	19.4
1 22	6 57.05	+22 13.5	1.480	2.435	7.2	19.7
2 1	6 49.56	+22 37.1	1.541	2.445	11.6	20.0
2 11	6 44.87	+22 55.5	1.624	2.455	15.3	20.2
332556	2008 RB_{29}		1	7.5	190.°72	3.°9/ 8.9 16
12 3	7 35.73	+ 9 29.0	2.372	3.146	12.8	22.2
12 13	7 30.79	+ 9 17.3	2.284	3.145	10.2	22.0
12 23	7 23.97	+ 9 16.3	2.220	3.144	7.3	21.9
1 2	7 15.80	+ 9 26.6	2.183	3.142	4.7	21.7
1 12	7 7.10	+ 9 47.4	2.175	3.141	4.1	21.6
1 22	6 58.73	+10 16.9	2.198	3.139	6.3	21.8
2 1	6 51.52	+10 52.7	2.248	3.136	9.2	22.0
2 11	6 46.14	+11 32.1	2.324	3.134	12.0	22.1
344806	2004 BK_{41}		1	7.5	104.°97	7.°1/ 6.3 18
12 3	8 3.98	+21 41.2	0.936	1.753	24.9	19.3
12 13	7 54.39	+18 24.3	0.869	1.760	19.5	19.0
12 23	7 39.73	+14 52.5	0.823	1.766	13.3	18.7
1 2	7 21.57	+11 17.2	0.803	1.773	7.9	18.4
1 12	7 2.62	+ 7 56.5	0.812	1.779	8.5	18.5
1 22	6 45.70	+ 5 8.1	0.847	1.785	14.0	18.8
2 1	6 32.93	+ 3 1.4	0.907	1.791	19.7	19.1
2 11	6 25.27	+ 1 34.7	0.984	1.796	24.3	19.5
325621	2009 SM_{250}		1	7.5	183.°57	1.°6/ 7.0 18
12 3	7 38.98	+25 25.7	2.118	2.925	13.1	21.5
12 13	7 33.65	+25 55.5	2.036	2.925	9.9	21.3
12 23	7 25.96	+26 27.3	1.978	2.925	6.3	21.1
1 2	7 16.57	+26 57.2	1.947	2.925	2.6	20.9
1 12	7 6.50	+27 21.6	1.947	2.924	2.6	20.9
1 22	6 56.88	+27 38.3	1.976	2.923	6.3	21.1
2 1	6 48.79	+27 46.8	2.033	2.923	9.9	21.3
2 11	6 43.01	+27 47.9	2.114	2.922	13.1	21.5
69100	2003 BM_{68}		1	7.5	330.°36	9.°1/10.9 18
12 3	7 34.92	− 2 21.3	1.845	2.588	17.0	19.3
12 13	7 30.69	− 2 52.1	1.764	2.586	14.6	19.1
12 23	7 24.15	− 3 0.4	1.703	2.583	12.0	18.9
1 2	7 15.93	− 2 42.7	1.664	2.581	9.8	18.8
1 12	7 7.01	− 1 58.2	1.651	2.579	9.1	18.8
1 22	6 58.47	− 0 49.6	1.664	2.577	10.2	18.8
2 1	6 51.37	+ 0 37.5	1.703	2.575	12.6	19.0
2 11	6 46.50	+ 2 15.9	1.765	2.573	15.3	19.1
420050	2011 DZ_{20}		1	7.5	30.°85	1.°7/ 7.1 18
12 3	7 38.85	+26 6.5	1.747	2.566	14.9	21.7
12 13	7 33.91	+26 22.8	1.676	2.570	11.3	21.5
12 23	7 26.25	+26 39.9	1.626	2.576	7.2	21.2
1 2	7 16.68	+26 54.1	1.604	2.581	3.0	21.0
1 12	7 6.44	+27 1.8	1.609	2.587	2.9	21.0
1 22	6 56.87	+27 1.4	1.643	2.593	7.1	21.3
2 1	6 49.18	+26 53.2	1.703	2.600	11.1	21.5
2 11	6 44.19	+26 39.1	1.786	2.607	14.6	21.8
247975	2004 BZ_{101}		1	7.5	290.°88	5.°8/ 6.7 17
12 3	7 47.24	+41 9.1	2.302	3.083	13.0	20.2
12 13	7 40.13	+41 17.1	2.199	3.060	10.6	20.0
12 23	7 30.14	+41 13.8	2.120	3.038	8.0	19.8
1 2	7 18.10	+40 53.3	2.069	3.015	6.1	19.7
1 12	7 5.28	+40 12.0	2.046	2.993	6.2	19.6
1 22	6 53.12	+39 10.0	2.053	2.970	8.3	19.7
2 1	6 42.90	+37 51.1	2.088	2.947	11.2	19.8
2 11	6 35.53	+36 21.3	2.148	2.924	14.0	20.0

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
330121	2005 YT_{24}		1	7.5	215.°00	0.°0/ 7.4 18
	h m	° ′			°	m
12 3	7 37.50	+20 13.4	2.270	3.069	12.6	21.1
12 13	7 32.40	+20 47.9	2.179	3.065	9.6	20.9
12 23	7 25.13	+21 28.5	2.114	3.060	6.1	20.6
1 2	7 16.28	+22 12.4	2.076	3.054	2.2	20.4
1 12	7 6.73	+22 56.1	2.069	3.049	1.8	20.3
1 22	6 57.50	+23 36.5	2.092	3.043	5.7	20.6
2 1	6 49.55	+24 11.7	2.144	3.037	9.3	20.8
2 11	6 43.67	+24 40.9	2.221	3.031	12.5	21.0
149588	2004 CC_{29}		1	7.5	192.°30	1.°1/ 7.8 18
12 3	7 38.70	+18 10.1	1.813	2.619	15.0	20.5
12 13	7 33.70	+18 24.1	1.731	2.619	11.5	20.3
12 23	7 26.12	+18 46.2	1.673	2.618	7.4	20.0
1 2	7 16.66	+19 14.1	1.640	2.618	3.0	19.8
1 12	7 6.44	+19 44.8	1.637	2.617	2.3	19.7
1 22	6 56.71	+20 15.2	1.663	2.616	6.7	20.0
2 1	6 48.62	+20 43.3	1.715	2.615	10.9	20.2
2 11	6 43.06	+21 7.9	1.791	2.614	14.5	20.5
343183	2009 UU_{88}		1	7.5	69.°09	2.°6/ 7.1 17
12 3	7 46.88	+26 49.2	1.221	2.049	19.5	21.1
12 13	7 40.66	+27 14.6	1.174	2.074	14.7	20.9
12 23	7 30.71	+27 40.2	1.147	2.098	9.4	20.6
1 2	7 18.28	+27 59.5	1.145	2.122	4.0	20.4
1 12	7 5.27	+28 7.5	1.169	2.146	3.9	20.5
1 22	6 53.64	+28 2.5	1.219	2.170	8.9	20.8
2 1	6 44.94	+27 47.0	1.293	2.194	13.6	21.1
2 11	6 40.00	+27 24.5	1.389	2.217	17.6	21.5
501916	2014 WN_{479}		1	7.5	258.°38	2.°0/ 7.9 18
12 3	7 36.31	+16 46.3	2.395	3.187	12.2	20.7
12 13	7 31.28	+16 24.3	2.301	3.179	9.4	20.5
12 23	7 24.31	+16 7.1	2.231	3.171	6.3	20.3
1 2	7 15.95	+15 54.7	2.189	3.162	3.1	20.1
1 12	7 7.04	+15 46.5	2.178	3.154	2.6	20.1
1 22	6 58.46	+15 42.0	2.196	3.145	5.6	20.2
2 1	6 51.08	+15 40.4	2.243	3.137	9.0	20.4
2 11	6 45.58	+15 41.2	2.315	3.128	11.9	20.6
429037	2009 CW_{40}		1	7.5	40.°38	2.°9/ 8.7 18
12 3	7 34.32	+11 49.1	2.113	2.904	13.7	21.0
12 13	7 29.93	+12 5.5	2.037	2.911	10.7	20.8
12 23	7 23.51	+12 33.8	1.984	2.919	7.3	20.6
1 2	7 15.67	+13 12.8	1.957	2.926	4.0	20.5
1 12	7 7.28	+14 0.2	1.960	2.935	3.2	20.4
1 22	6 59.31	+14 52.7	1.993	2.943	6.0	20.6
2 1	6 52.65	+15 46.9	2.053	2.952	9.4	20.8
2 11	6 47.99	+16 39.8	2.138	2.960	12.4	21.0
82009	2000 RF_{68}		1	7.5	49.°70	8.°3/ 6.6 18
12 3	7 48.91	+47 22.8	2.094	2.865	14.4	18.3
12 13	7 41.44	+47 55.9	2.041	2.884	12.1	18.2
12 23	7 30.83	+48 13.1	2.011	2.902	9.9	18.1
1 2	7 18.25	+48 7.6	2.005	2.921	8.5	18.0
1 12	7 5.31	+47 35.9	2.027	2.941	8.5	18.1
1 22	6 53.63	+46 39.6	2.075	2.960	10.0	18.2
2 1	6 44.48	+45 23.8	2.149	2.980	12.0	18.4
2 11	6 38.57	+43 55.6	2.246	3.000	14.1	18.5
186175	2001 UY_{166}		1	7.5	85.°57	1.°4/ 7.1 18
12 3	7 39.72	+24 29.6	1.832	2.645	14.6	20.9
12 13	7 34.43	+25 0.7	1.762	2.654	11.0	20.7
12 23	7 26.53	+25 34.8	1.715	2.664	7.0	20.5
1 2	7 16.79	+26 7.5	1.695	2.673	2.8	20.3
1 12	7 6.39	+26 34.8	1.704	2.682	2.7	20.3
1 22	6 56.62	+26 54.1	1.741	2.691	6.8	20.6
2 1	6 48.63	+27 4.9	1.806	2.700	10.7	20.8
2 11	6 43.25	+27 8.1	1.894	2.709	14.1	21.1
70287	1999 RH_{118}		1	7.5	136.°65	1.°6/ 7.9 18
12 3	7 41.20	+17 10.2	1.982	2.777	14.3	20.6
12 13	7 35.20	+17 14.9	1.909	2.789	11.0	20.4
12 23	7 26.86	+17 26.8	1.859	2.801	7.1	20.2
1 2	7 16.88	+17 44.4	1.837	2.812	3.1	20.0
1 12	7 6.35	+18 5.2	1.844	2.823	2.4	19.9
1 22	6 56.38	+18 27.0	1.882	2.833	6.2	20.2
2 1	6 48.03	+18 48.2	1.948	2.843	10.0	20.5
2 11	6 42.04	+19 7.9	2.038	2.852	13.3	20.7
36377	2000 OL_{18}		1	7.5	181.°85	1.°7/ 8.1 18
12 3	7 40.69	+15 57.6	1.870	2.667	15.0	19.5
12 13	7 35.13	+16 16.4	1.787	2.668	11.6	19.3
12 23	7 27.00	+16 45.4	1.726	2.668	7.6	19.1
1 2	7 17.00	+17 22.3	1.692	2.668	3.3	18.8
1 12	7 6.21	+18 4.0	1.688	2.667	2.5	18.7
1 22	6 55.87	+18 46.8	1.714	2.666	6.7	19.0
2 1	6 47.14	+19 28.1	1.767	2.664	10.8	19.2
2 11	6 40.91	+20 6.0	1.844	2.662	14.3	19.5

314703 2006 RN_{107} 1 7.5 323.°32 10.°0/ 5.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 45.12	+43 37.5	1.538	2.344	17.2	20.6
12 13	7 40.15	+44 53.0	1.464	2.333	14.4	20.4
12 23	7 31.00	+45 56.3	1.411	2.322	11.8	20.2
1 2	7 18.62	+46 36.1	1.381	2.312	10.1	20.1
1 12	7 4.88	+46 43.4	1.375	2.302	10.6	20.1
1 22	6 52.04	+46 16.0	1.394	2.293	12.8	20.2
2 1	6 42.12	+45 18.5	1.435	2.284	15.9	20.3
2 11	6 36.38	+44 0.0	1.496	2.276	18.8	20.5

424721 2008 SB_{184} 1 7.5 12.°25 1.°5/ 7.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 37.24	+24 56.8	2.045	2.857	13.3	21.1
12 13	7 32.41	+25 27.5	1.966	2.857	10.1	20.9
12 23	7 25.22	+26 0.6	1.910	2.858	6.4	20.7
1 2	7 16.33	+26 32.5	1.881	2.859	2.6	20.4
1 12	7 6.77	+26 59.5	1.882	2.859	2.6	20.4
1 22	6 57.68	+27 19.2	1.911	2.860	6.4	20.7
2 1	6 50.11	+27 30.8	1.969	2.862	10.1	20.9
2 11	6 44.86	+27 35.0	2.050	2.863	13.2	21.1

425435 2010 DU_{56} 1 7.5 248.°68 4.°4/ 9.8 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 34.12	+ 3 17.3	3.240	3.974	10.5	22.3
12 13	7 29.23	+ 3 22.3	3.124	3.953	8.7	22.2
12 23	7 22.87	+ 3 39.3	3.033	3.931	6.7	22.0
1 2	7 15.44	+ 4 8.8	2.970	3.908	5.0	21.8
1 12	7 7.49	+ 4 50.4	2.938	3.885	4.5	21.8
1 22	6 59.64	+ 5 42.4	2.936	3.862	5.7	21.8
2 1	6 52.53	+ 6 42.2	2.964	3.837	7.8	21.9
2 11	6 46.72	+ 7 46.9	3.020	3.813	9.9	22.1

1320 Impala 1 7.5 192.°66 4.°0/ 5.5 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.03	+34 13.5	2.886	3.675	10.4	16.7
12 13	7 34.13	+35 18.6	2.800	3.673	8.1	16.5
12 23	7 26.16	+36 21.0	2.741	3.670	5.8	16.4
1 2	7 16.67	+37 16.0	2.711	3.667	4.1	16.3
1 12	7 6.49	+37 59.2	2.712	3.664	4.5	16.3
1 22	6 56.58	+38 28.5	2.744	3.660	6.5	16.4
2 1	6 47.86	+38 43.6	2.804	3.655	8.9	16.6
2 11	6 41.07	+38 46.3	2.888	3.650	11.1	16.7

495754 2016 GZ_{34} 1 7.5 149.°77 4.°1/ 9.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 33.68	+ 5 48.6	3.227	3.974	10.3	22.6
12 13	7 28.71	+ 5 31.3	3.145	3.984	8.4	22.5
12 23	7 22.42	+ 5 23.6	3.088	3.993	6.3	22.3
1 2	7 15.23	+ 5 26.0	3.058	4.002	4.6	22.2
1 12	7 7.72	+ 5 38.3	3.059	4.010	4.1	22.2
1 22	7 0.48	+ 5 59.4	3.091	4.017	5.4	22.3
2 1	6 54.09	+ 6 27.7	3.151	4.025	7.3	22.5
2 11	6 49.01	+ 7 1.0	3.238	4.031	9.3	22.6

425383 2010 CR_{47} 1 7.5 309.°84 3.°0/ 8.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 33.77	+11 56.9	2.123	2.915	13.6	21.2
12 13	7 29.71	+12 9.0	2.024	2.899	10.7	21.0
12 23	7 23.53	+12 33.1	1.949	2.885	7.4	20.8
1 2	7 15.75	+13 8.8	1.901	2.870	4.1	20.6
1 12	7 7.23	+13 54.0	1.881	2.855	3.3	20.5
1 22	6 58.94	+14 45.8	1.891	2.841	6.3	20.6
2 1	6 51.87	+15 40.7	1.928	2.827	9.9	20.8
2 11	6 46.82	+16 35.5	1.990	2.814	13.2	21.0

361165 2006 KD_{41} 1 7.5 252.°59 3.°7/ 8.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.37	+14 4.1	1.671	2.473	16.2	21.5
12 13	7 34.38	+13 36.1	1.586	2.467	12.8	21.2
12 23	7 26.65	+13 17.6	1.523	2.461	8.7	21.0
1 2	7 16.91	+13 9.3	1.485	2.455	4.8	20.7
1 12	7 6.32	+13 10.8	1.475	2.448	4.2	20.7
1 22	6 56.21	+13 20.6	1.493	2.442	7.8	20.9
2 1	6 47.85	+13 36.8	1.537	2.436	12.0	21.1
2 11	6 42.16	+13 57.3	1.603	2.429	15.7	21.3

451674 2013 AQ_{104} 1 7.5 288.°95 0.°1/ 7.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 41.60	+22 44.7	1.465	2.287	17.1	20.9
12 13	7 36.61	+22 30.8	1.380	2.277	13.2	20.7
12 23	7 28.34	+22 19.6	1.317	2.267	8.5	20.4
1 2	7 17.58	+22 8.5	1.278	2.257	3.1	20.0
1 12	7 5.77	+21 55.4	1.266	2.247	2.5	19.9
1 22	6 54.58	+21 39.4	1.282	2.237	8.0	20.3
2 1	6 45.55	+21 21.0	1.323	2.228	13.1	20.5
2 11	6 39.75	+21 1.8	1.386	2.218	17.4	20.8

456614 2007 GP_{39} 1 7.5 158.°53 2.°9/ 6.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.55	+29 14.0	2.186	2.991	12.8	21.4
12 13	7 34.11	+29 55.9	2.107	2.994	9.8	21.2
12 23	7 26.27	+30 37.2	2.053	2.996	6.4	21.0
1 2	7 16.73	+31 13.3	2.026	2.998	3.5	20.9
1 12	7 6.51	+31 39.9	2.029	3.000	3.7	20.9
1 22	6 56.77	+31 55.0	2.062	3.002	6.7	21.1
2 1	6 48.57	+31 58.4	2.123	3.003	10.0	21.3
2 11	6 42.72	+31 52.1	2.207	3.005	12.9	21.5

169248 2001 ST_{98} 1 7.5 94.°84 4.°2/ 9.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 34.48	+ 8 31.4	2.393	3.165	12.8	20.8
12 13	7 29.78	+ 8 16.8	2.315	3.174	10.2	20.6
12 23	7 23.30	+ 8 13.4	2.261	3.182	7.4	20.4
1 2	7 15.60	+ 8 21.8	2.233	3.190	4.9	20.3
1 12	7 7.45	+ 8 41.3	2.235	3.198	4.3	20.3
1 22	6 59.68	+ 9 10.0	2.266	3.205	6.3	20.4
2 1	6 53.07	+ 9 45.6	2.325	3.213	9.0	20.6
2 11	6 48.23	+10 25.3	2.410	3.221	11.6	20.8

112064 2002 JL_{16} 1 7.5 142.°98 0.°6/ 7.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 44.97	+21 50.2	1.633	2.440	16.3	20.2
12 13	7 38.68	+22 22.5	1.562	2.452	12.4	20.0
12 23	7 29.37	+23 0.8	1.514	2.462	7.8	19.7
1 2	7 17.89	+23 40.4	1.493	2.472	2.8	19.4
1 12	7 5.62	+24 16.4	1.501	2.481	2.5	19.4
1 22	6 54.07	+24 45.3	1.538	2.489	7.4	19.8
2 1	6 44.61	+25 6.0	1.602	2.497	11.8	20.0
2 11	6 38.17	+25 19.1	1.688	2.503	15.5	20.3

239300 2007 PQ_{37} 1 7.5 179.°12 1.°2/ 7.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 41.76	+18 24.3	2.047	2.841	13.9	21.6
12 13	7 35.70	+18 25.8	1.962	2.843	10.7	21.4
12 23	7 27.25	+18 33.3	1.901	2.844	6.9	21.2
1 2	7 17.09	+18 45.1	1.868	2.845	2.8	20.9
1 12	7 6.26	+18 59.0	1.865	2.845	2.2	20.9
1 22	6 55.90	+19 13.2	1.893	2.844	6.2	21.1
2 1	6 47.09	+19 26.4	1.948	2.842	10.1	21.4
2 11	6 40.62	+19 38.3	2.029	2.840	13.4	21.6

522242 2016 AF_{272} 1 7.5 10.°29 1.°6/ 8.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.29	+12 53.8	1.790	2.586	15.5	20.9
12 13	7 33.50	+14 3.4	1.706	2.586	12.0	20.6
12 23	7 26.12	+15 30.1	1.645	2.587	7.9	20.4
1 2	7 16.76	+17 10.2	1.612	2.588	3.5	20.1
1 12	7 6.50	+18 57.2	1.609	2.588	2.4	20.1
1 22	6 56.58	+20 43.7	1.636	2.589	6.8	20.3
2 1	6 48.23	+22 23.5	1.691	2.590	11.0	20.6
2 11	6 42.40	+23 52.7	1.771	2.592	14.7	20.8

17510 1992 PD_{6} 1 7.5 140.°40 1.°0/ 7.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 41.51	+22 57.2	1.699	2.511	15.5	18.3
12 13	7 36.04	+23 27.6	1.624	2.516	11.8	18.1
12 23	7 27.71	+24 2.8	1.572	2.521	7.5	17.8
1 2	7 17.31	+24 38.5	1.547	2.526	2.8	17.6
1 12	7 6.10	+25 10.1	1.551	2.530	2.5	17.5
1 22	6 55.52	+25 34.6	1.583	2.534	7.2	17.8
2 1	6 46.86	+25 50.9	1.642	2.538	11.5	18.1
2 11	6 41.03	+25 59.7	1.723	2.542	15.1	18.3

440728 2006 AO_{58} 1 7.5 39.°68 1.°1/ 7.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 42.44	+25 10.1	1.150	1.988	19.8	21.3
12 13	7 37.54	+25 5.4	1.097	2.003	15.0	21.0
12 23	7 28.91	+25 2.1	1.064	2.018	9.5	20.8
1 2	7 17.73	+24 56.1	1.055	2.034	3.5	20.5
1 12	7 5.87	+24 44.1	1.071	2.051	3.1	20.5
1 22	6 55.27	+24 25.7	1.112	2.068	8.7	20.9
2 1	6 47.50	+24 2.4	1.176	2.086	13.9	21.2
2 11	6 43.43	+23 36.8	1.262	2.105	18.1	21.6

127973 2003 HO_{38} 1 7.5 194.°48 1.°6/ 7.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 43.09	+25 27.9	1.899	2.704	14.4	21.1
12 13	7 37.09	+25 53.3	1.814	2.702	11.0	20.8
12 23	7 28.33	+26 20.7	1.753	2.700	7.0	20.6
1 2	7 17.55	+26 45.7	1.720	2.697	2.9	20.3
1 12	7 5.94	+27 4.3	1.716	2.693	2.8	20.3
1 22	6 54.85	+27 14.1	1.741	2.689	7.0	20.6
2 1	6 45.53	+27 15.1	1.794	2.684	11.0	20.8
2 11	6 38.92	+27 8.9	1.871	2.679	14.5	21.0

429323 2010 EA_{88} 1 7.5 269.°44 10.°8/12.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 33.38	−14 3.3	2.560	3.208	14.9	20.8
12 13	7 29.05	−14 52.0	2.469	3.196	13.6	20.7
12 23	7 22.94	−15 19.2	2.397	3.184	12.3	20.5
1 2	7 15.53	−15 20.4	2.346	3.171	11.2	20.5
1 12	7 7.56	−14 53.6	2.318	3.159	10.8	20.4
1 22	6 59.80	−13 59.2	2.315	3.146	11.2	20.4
2 1	6 53.05	−12 40.6	2.336	3.133	12.3	20.5
2 11	6 47.97	−11 3.5	2.379	3.120	13.7	20.5

302410 2002 CG_{162} 1 7.5 280.°82 2.°0/ 7.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.79	+25 17.1	1.593	2.413	16.1	20.7
12 13	7 36.07	+25 49.6	1.499	2.395	12.4	20.4
12 23	7 28.12	+26 26.3	1.427	2.377	8.0	20.1
1 2	7 17.60	+27 2.1	1.381	2.358	3.4	19.8
1 12	7 5.83	+27 31.5	1.362	2.340	3.4	19.7
1 22	6 54.41	+27 50.6	1.371	2.321	8.2	20.0
2 1	6 44.94	+27 58.5	1.405	2.302	13.0	20.2
2 11	6 38.62	+27 56.7	1.461	2.283	17.2	20.4

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
422495	2014 SB_{345}		1 7.5	1.°57	2.°4/ 6.9	18
	h m	° ′			°	m
12 3	7 38.58	+26 56.8	1.572	2.397	16.0	20.5
12 13	7 34.13	+27 22.0	1.498	2.396	12.2	20.3
12 23	7 26.65	+27 48.2	1.446	2.396	7.9	20.1
1 2	7 16.96	+28 10.6	1.419	2.396	3.5	19.8
1 12	7 6.43	+28 24.5	1.420	2.397	3.5	19.8
1 22	6 56.57	+28 27.8	1.448	2.398	7.9	20.1
2 1	6 48.76	+28 20.8	1.501	2.400	12.2	20.3
2 11	6 43.96	+28 5.6	1.576	2.402	15.9	20.6
26466	Zarrin		1 7.5	325.°51	3.°5/ 8.2	18
12 3	7 39.24	+14 58.1	1.353	2.172	18.5	18.2
12 13	7 34.86	+14 38.3	1.277	2.168	14.5	17.9
12 23	7 27.25	+14 30.2	1.220	2.164	9.8	17.6
1 2	7 17.23	+14 33.9	1.188	2.161	5.0	17.4
1 12	7 6.20	+14 47.9	1.181	2.158	4.1	17.3
1 22	6 55.79	+15 9.6	1.201	2.155	8.6	17.6
2 1	6 47.52	+15 36.2	1.245	2.152	13.5	17.8
2 11	6 42.44	+16 4.9	1.310	2.150	17.8	18.1
356560	2011 SK_{204}		1 7.5	151.°97	0.°9/ 7.8	18
12 3	7 42.16	+18 47.4	1.975	2.770	14.3	22.0
12 13	7 36.04	+19 0.8	1.898	2.780	10.9	21.8
12 23	7 27.47	+19 20.6	1.845	2.789	7.0	21.6
1 2	7 17.19	+19 44.6	1.819	2.797	2.7	21.3
1 12	7 6.27	+20 9.7	1.824	2.804	2.1	21.3
1 22	6 55.91	+20 33.5	1.859	2.811	6.3	21.6
2 1	6 47.18	+20 54.6	1.922	2.817	10.2	21.8
2 11	6 40.88	+21 12.5	2.010	2.822	13.5	22.0
317191	2001 YE_{55}		1 7.5	85.°85	0.°2/ 7.6	18
12 3	7 39.83	+22 18.1	1.879	2.688	14.4	20.4
12 13	7 34.43	+22 9.2	1.801	2.690	11.0	20.2
12 23	7 26.52	+22 2.8	1.746	2.693	7.0	20.0
1 2	7 16.86	+21 57.0	1.718	2.696	2.6	19.7
1 12	7 6.56	+21 50.1	1.719	2.699	2.0	19.7
1 22	6 56.86	+21 41.2	1.749	2.702	6.5	20.0
2 1	6 48.87	+21 30.3	1.806	2.705	10.5	20.2
2 11	6 43.38	+21 18.2	1.888	2.708	13.9	20.4
433833	2015 BB_{245}		1 7.5	164.°51	2.°2/ 8.4	18
12 3	7 35.13	+13 57.1	2.308	3.098	12.7	20.5
12 13	7 30.47	+14 8.6	2.223	3.098	9.8	20.3
12 23	7 23.87	+14 29.3	2.161	3.099	6.6	20.1
1 2	7 15.88	+14 58.2	2.128	3.099	3.3	19.9
1 12	7 7.33	+15 33.3	2.124	3.100	2.6	19.9
1 22	6 59.13	+16 12.1	2.149	3.100	5.6	20.1
2 1	6 52.13	+16 52.0	2.204	3.100	9.0	20.3
2 11	6 47.01	+17 31.1	2.283	3.101	11.9	20.5
173209	1998 SP_{29}		1 7.5	66.°19	0.°4/ 7.4	18
12 3	7 41.10	+21 51.8	1.570	2.387	16.4	20.3
12 13	7 35.67	+22 16.4	1.513	2.407	12.4	20.0
12 23	7 27.39	+22 46.2	1.478	2.427	7.8	19.8
1 2	7 17.16	+23 17.4	1.469	2.448	2.8	19.6
1 12	7 6.37	+23 45.5	1.488	2.468	2.4	19.6
1 22	6 56.42	+24 7.9	1.535	2.488	7.1	19.9
2 1	6 48.56	+24 23.5	1.608	2.509	11.4	20.2
2 11	6 43.58	+24 32.9	1.705	2.529	15.0	20.5
325657	2009 SA_{342}		1 7.5	239.°91	6.°2/ 9.1	18
12 3	7 36.50	+ 5 6.2	2.172	2.933	14.3	21.0
12 13	7 31.62	+ 4 24.5	2.080	2.925	11.8	20.8
12 23	7 24.67	+ 3 55.9	2.009	2.916	9.1	20.6
1 2	7 16.20	+ 3 42.6	1.965	2.906	6.8	20.5
1 12	7 7.07	+ 3 45.8	1.949	2.897	6.3	20.4
1 22	6 58.24	+ 4 4.5	1.961	2.887	8.0	20.5
2 1	6 50.65	+ 4 36.4	2.000	2.877	10.8	20.7
2 11	6 45.03	+ 5 17.7	2.063	2.866	13.5	20.8
267003	Burkert		1 7.5	112.°30	8.°5/ 3.9	18
12 3	7 50.57	+53 30.4	2.940	3.668	11.6	21.5
12 13	7 42.66	+54 48.6	2.894	3.689	10.2	21.4
12 23	7 31.78	+55 52.2	2.871	3.709	9.0	21.3
1 2	7 18.78	+56 34.8	2.874	3.729	8.5	21.3
1 12	7 5.04	+56 52.1	2.903	3.749	8.7	21.4
1 22	6 52.08	+56 43.8	2.958	3.767	9.6	21.5
2 1	6 41.22	+56 13.1	3.037	3.786	10.8	21.6
2 11	6 33.37	+55 25.2	3.137	3.804	12.1	21.7
232345	2002 UX_{72}		1 7.5	66.°91	6.°2/ 6.4	18
12 3	7 45.75	+40 26.8	2.122	2.911	13.7	20.1
12 13	7 38.78	+41 4.9	2.072	2.937	10.9	20.0
12 23	7 29.12	+41 32.4	2.046	2.964	8.2	19.9
1 2	7 17.73	+41 43.4	2.047	2.991	6.4	19.8
1 12	7 5.98	+41 34.5	2.076	3.017	6.5	19.9
1 22	6 55.22	+41 6.0	2.133	3.043	8.4	20.0
2 1	6 46.58	+40 21.5	2.217	3.070	10.9	20.2
2 11	6 40.77	+39 26.1	2.324	3.096	13.2	20.5

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
417094	2005 UV_{318}		1 7.5	48.°17	0.°0/ 7.4	18
	h m	° ′			°	m
12 3	7 38.71	+21 51.9	1.748	2.562	15.1	21.6
12 13	7 33.74	+21 58.4	1.676	2.569	11.5	21.4
12 23	7 26.16	+22 9.3	1.627	2.576	7.3	21.1
1 2	7 16.75	+22 21.7	1.604	2.583	2.6	20.9
1 12	7 6.70	+22 32.9	1.610	2.591	2.1	20.8
1 22	6 57.28	+22 41.0	1.644	2.598	6.7	21.2
2 1	6 49.65	+22 45.3	1.705	2.606	10.8	21.4
2 11	6 44.64	+22 46.2	1.789	2.614	14.4	21.7
325146	2008 EZ_{158}		1 7.5	320.°49	4.°3/ 8.5	16
12 3	7 36.42	+12 11.9	1.659	2.462	16.3	21.4
12 13	7 32.20	+11 46.2	1.574	2.454	12.9	21.2
12 23	7 25.33	+11 32.3	1.511	2.446	9.0	20.9
1 2	7 16.51	+11 31.1	1.472	2.439	5.4	20.7
1 12	7 6.85	+11 42.2	1.460	2.432	4.7	20.7
1 22	6 57.62	+12 3.8	1.476	2.425	7.9	20.8
2 1	6 50.05	+12 33.2	1.517	2.418	11.9	21.0
2 11	6 45.05	+13 7.1	1.581	2.412	15.7	21.3
50524	2000 DY_{117}		1 7.5	188.°47	0.°3/ 7.4	18
12 3	7 40.21	+22 9.6	2.142	2.942	13.2	20.0
12 13	7 34.56	+22 28.8	2.056	2.942	10.0	19.8
12 23	7 26.57	+22 51.9	1.994	2.941	6.4	19.5
1 2	7 16.90	+23 16.0	1.960	2.939	2.3	19.3
1 12	7 6.55	+23 38.1	1.957	2.937	2.0	19.2
1 22	6 56.63	+23 55.9	1.984	2.934	6.0	19.5
2 1	6 48.17	+24 8.6	2.038	2.931	9.8	19.7
2 11	6 41.99	+24 16.3	2.118	2.928	13.0	19.9
259324	2003 FV_{71}		1 7.5	341.°49	4.°5/ 8.6	18
12 3	7 32.52	+12 49.3	1.328	2.154	18.3	19.8
12 13	7 29.89	+12 29.4	1.245	2.139	14.5	19.5
12 23	7 24.21	+12 24.0	1.181	2.125	10.1	19.3
1 2	7 16.18	+12 34.4	1.141	2.112	5.8	19.0
1 12	7 7.08	+12 59.5	1.125	2.100	4.9	18.9
1 22	6 58.42	+13 36.4	1.135	2.090	8.8	19.1
2 1	6 51.70	+14 20.8	1.168	2.081	13.6	19.3
2 11	6 48.00	+15 8.3	1.221	2.074	18.0	19.6
495623	2015 TD_{233}		1 7.5	90.°29	1.°6/ 7.9	17
12 3	7 42.48	+17 47.7	1.524	2.334	17.1	21.6
12 13	7 36.74	+17 48.0	1.463	2.351	13.1	21.3
12 23	7 28.09	+17 56.9	1.423	2.368	8.5	21.1
1 2	7 17.45	+18 12.2	1.409	2.385	3.5	20.9
1 12	7 6.20	+18 31.2	1.422	2.402	2.7	20.9
1 22	6 55.79	+18 51.1	1.464	2.418	7.4	21.2
2 1	6 47.49	+19 10.1	1.532	2.434	11.8	21.5
2 11	6 42.14	+19 27.4	1.623	2.450	15.5	21.7
24881	1996 PQ_2		1 7.6	167.°78	8.°6/ 7.2	18
12 3	7 58.34	+41 26.6	1.312	2.113	19.9	18.8
12 13	7 50.26	+41 51.4	1.243	2.116	16.2	18.6
12 23	7 37.32	+41 59.8	1.195	2.118	12.2	18.3
1 2	7 20.90	+41 39.9	1.169	2.120	9.1	18.2
1 12	7 3.51	+40 44.9	1.170	2.121	9.0	18.2
1 22	6 47.86	+39 17.1	1.197	2.122	12.0	18.4
2 1	6 36.02	+37 26.8	1.248	2.123	16.0	18.6
2 11	6 29.03	+35 27.1	1.320	2.123	19.8	18.8
201351	2002 TA_{213}		1 7.6	40.°83	6.°9/ 4.9	18
12 3	7 42.72	+35 11.5	1.643	2.459	15.9	19.0
12 13	7 37.31	+37 5.6	1.604	2.488	12.4	18.8
12 23	7 28.65	+38 53.4	1.587	2.518	9.1	18.7
1 2	7 17.70	+40 24.6	1.597	2.548	7.1	18.7
1 12	7 6.00	+41 31.1	1.635	2.579	7.6	18.8
1 22	6 55.22	+42 10.3	1.699	2.611	10.1	19.0
2 1	6 46.79	+42 24.1	1.788	2.642	13.0	19.2
2 11	6 41.63	+42 18.2	1.898	2.674	15.5	19.5
206742	2004 BY_{124}		1 7.6	306.°58	8.°3/ 9.4	18
12 3	7 33.81	− 0 2.1	2.155	2.900	14.8	19.8
12 13	7 29.67	− 1 4.0	2.061	2.885	12.7	19.6
12 23	7 23.49	− 1 50.6	1.987	2.869	10.5	19.4
1 2	7 15.81	− 2 18.0	1.939	2.854	8.8	19.3
1 12	7 7.45	− 2 23.7	1.916	2.838	8.4	19.3
1 22	6 59.32	− 2 8.0	1.920	2.824	9.6	19.3
2 1	6 52.36	− 1 33.1	1.949	2.809	11.8	19.4
2 11	6 47.32	− 0 43.5	2.001	2.794	14.3	19.5
309275	2007 RF_{134}		1 7.6	160.°79	2.°5/ 6.8	18
12 3	7 43.88	+27 39.1	2.099	2.898	13.4	21.2
12 13	7 37.44	+28 21.0	2.022	2.906	10.3	21.0
12 23	7 28.43	+29 3.3	1.969	2.913	6.6	20.8
1 2	7 17.59	+29 40.9	1.945	2.919	3.2	20.6
1 12	7 6.06	+30 9.6	1.951	2.924	3.3	20.6
1 22	6 55.06	+30 26.9	1.987	2.929	6.8	20.8
2 1	6 45.75	+30 32.8	2.051	2.933	10.3	21.1
2 11	6 38.98	+30 29.3	2.140	2.935	13.4	21.3

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
419329	2009 WX_{133}		1 7.6	24.°44	1.°3/ 7.8	18
	h m	° ′			°	m
12 3	7 37.18	+19 17.7	1.694	2.510	15.4	20.9
12 13	7 32.62	+19 8.2	1.623	2.515	11.8	20.7
12 23	7 25.48	+19 4.6	1.574	2.521	7.6	20.4
1 2	7 16.53	+19 5.7	1.550	2.528	3.1	20.2
1 12	7 6.94	+19 9.4	1.555	2.535	2.4	20.1
1 22	6 57.99	+19 14.3	1.588	2.542	6.8	20.4
2 1	6 50.81	+19 19.4	1.646	2.550	11.0	20.7
2 11	6 46.20	+19 24.0	1.728	2.559	14.6	20.9
262687	2006 WA_{173}		1 7.6	158.°81	2.°9/ 8.2	18
12 3	7 39.81	+14 20.4	2.260	3.042	13.1	21.6
12 13	7 33.93	+13 55.7	2.178	3.049	10.2	21.4
12 23	7 26.01	+13 37.9	2.121	3.055	6.9	21.2
1 2	7 16.67	+13 27.2	2.091	3.060	3.8	21.0
1 12	7 6.83	+13 23.1	2.092	3.065	3.2	21.0
1 22	6 57.45	+13 24.8	2.123	3.069	6.1	21.1
2 1	6 49.42	+13 31.1	2.183	3.073	9.4	21.4
2 11	6 43.43	+13 40.8	2.268	3.076	12.3	21.6
28929	2000 RU_{13}		1 7.6	249.°64	5.°2/ 9.2	18
12 3	7 33.86	+ 5 21.3	2.563	3.320	12.4	18.9
12 13	7 29.32	+ 4 50.7	2.470	3.314	10.2	18.7
12 23	7 23.08	+ 4 31.6	2.401	3.307	7.8	18.6
1 2	7 15.62	+ 4 25.6	2.358	3.300	5.8	18.4
1 12	7 7.65	+ 4 33.0	2.344	3.293	5.3	18.4
1 22	6 59.94	+ 4 53.0	2.359	3.286	6.8	18.5
2 1	6 53.25	+ 5 23.4	2.402	3.278	9.2	18.6
2 11	6 48.18	+ 6 1.3	2.469	3.271	11.6	18.7
79878	1998 YU_{18}		1 7.6	40.°49	0.°5/ 7.4	18
12 3	7 38.76	+20 58.1	1.387	2.215	17.6	18.6
12 13	7 34.31	+21 35.8	1.330	2.230	13.3	18.3
12 23	7 26.75	+22 21.5	1.295	2.246	8.4	18.1
1 2	7 17.02	+23 10.3	1.284	2.263	3.0	17.8
1 12	7 6.58	+23 56.5	1.300	2.280	2.6	17.8
1 22	6 56.99	+24 35.7	1.343	2.298	7.7	18.2
2 1	6 49.62	+25 6.0	1.411	2.317	12.3	18.5
2 11	6 45.35	+25 27.4	1.501	2.335	16.2	18.8
154051	2002 CQ_{121}		1 7.6	158.°26	0.°8/ 7.4	18
12 3	7 40.55	+24 57.4	2.297	3.095	12.4	20.4
12 13	7 34.58	+24 58.4	2.215	3.100	9.4	20.2
12 23	7 26.46	+24 59.7	2.159	3.105	6.0	20.0
1 2	7 16.84	+24 59.0	2.131	3.109	2.3	19.8
1 12	7 6.70	+24 54.3	2.133	3.113	2.0	19.7
1 22	6 57.08	+24 44.8	2.166	3.116	5.7	20.0
2 1	6 48.92	+24 31.0	2.228	3.119	9.1	20.2
2 11	6 42.92	+24 14.0	2.315	3.122	12.1	20.4
374205	2005 EU_{120}		1 7.6	340.°40	0.°4/ 7.5	18
12 3	7 37.25	+23 53.7	1.835	2.652	14.4	20.4
12 13	7 32.69	+23 47.4	1.751	2.645	11.0	20.2
12 23	7 25.56	+23 42.6	1.689	2.638	7.0	20.0
1 2	7 16.59	+23 37.0	1.654	2.633	2.6	19.7
1 12	7 6.89	+23 28.8	1.647	2.627	2.1	19.6
1 22	6 57.71	+23 16.8	1.668	2.622	6.6	19.9
2 1	6 50.20	+23 1.5	1.717	2.618	10.8	20.1
2 11	6 45.22	+22 43.8	1.788	2.614	14.3	20.4
325580	2009 SE_{137}		1 7.6	204.°64	5.°3/ 5.6	18
12 3	7 43.95	+38 9.7	2.552	3.336	11.7	21.5
12 13	7 37.45	+39 2.8	2.465	3.331	9.4	21.3
12 23	7 28.45	+39 50.0	2.404	3.325	7.0	21.1
1 2	7 17.63	+40 25.4	2.371	3.318	5.4	21.0
1 12	7 6.04	+40 44.5	2.368	3.311	5.7	21.0
1 22	6 54.86	+40 45.6	2.394	3.303	7.7	21.1
2 1	6 45.24	+40 29.9	2.447	3.294	10.2	21.3
2 11	6 38.03	+40 0.7	2.525	3.285	12.6	21.4
379022	2008 VP_{35}		1 7.6	52.°29	1.°7/ 7.9	18
12 3	7 37.74	+18 33.7	2.032	2.835	13.7	20.7
12 13	7 32.58	+18 10.2	1.958	2.843	10.5	20.5
12 23	7 25.23	+17 51.4	1.907	2.851	6.8	20.3
1 2	7 16.40	+17 36.7	1.884	2.860	3.0	20.1
1 12	7 7.08	+17 25.4	1.890	2.869	2.4	20.0
1 22	6 58.31	+17 17.0	1.925	2.877	6.1	20.3
2 1	6 51.06	+17 10.9	1.988	2.887	9.7	20.5
2 11	6 46.00	+17 6.6	2.076	2.896	12.9	20.8
16426	1988 EC		1 7.6	75.°75	15.°9/ 8.1	18
12 3	8 8.93	+53 32.1	1.084	1.868	24.3	16.7
12 13	8 0.24	+54 41.1	1.040	1.880	21.2	16.5
12 23	7 44.32	+55 19.5	1.012	1.892	18.2	16.4
1 2	7 23.43	+55 7.7	1.002	1.905	16.3	16.3
1 12	7 1.84	+53 55.2	1.014	1.917	16.0	16.3
1 22	6 43.81	+51 48.3	1.047	1.930	17.6	16.4
2 1	6 31.88	+49 5.3	1.101	1.942	20.2	16.7
2 11	6 26.56	+46 7.2	1.173	1.954	23.0	16.9

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
587	Hypsipyle		1 7.6	320.°83	14.°4/ 7.7	18
	h m	° ′			°	m
12 3	8 3.59	+54 14.6	1.345	2.113	21.1	15.2
12 13	7 55.70	+54 51.4	1.267	2.097	18.7	15.0
12 23	7 41.46	+55 0.6	1.206	2.080	16.3	14.8
1 2	7 22.54	+54 25.1	1.165	2.065	14.7	14.6
1 12	7 2.36	+52 53.5	1.146	2.050	14.5	14.6
1 22	6 44.66	+50 28.2	1.151	2.036	16.2	14.6
2 1	6 32.07	+47 23.5	1.179	2.022	19.0	14.8
2 11	6 25.54	+43 59.6	1.227	2.010	22.1	14.9
85626	1998 HM_{141}		1 7.6	23.°44	10.°5/10.8	18
12 3	7 35.87	− 1 15.6	1.456	2.222	19.9	18.6
12 13	7 31.91	− 2 11.6	1.388	2.225	17.0	18.4
12 23	7 25.20	− 2 42.5	1.339	2.229	13.9	18.3
1 2	7 16.49	− 2 42.9	1.311	2.234	11.4	18.1
1 12	7 7.01	− 2 11.2	1.307	2.239	10.6	18.1
1 22	6 58.11	− 1 10.4	1.327	2.244	11.9	18.2
2 1	6 51.03	+ 0 12.8	1.371	2.250	14.5	18.4
2 11	6 46.69	+ 1 49.5	1.436	2.256	17.5	18.6
203600	2002 CN_{314}		1 7.6	204.°24	1.°0/ 7.9	18
12 3	7 40.40	+17 38.9	1.876	2.676	14.8	20.8
12 13	7 35.04	+18 3.6	1.789	2.673	11.4	20.6
12 23	7 27.08	+18 37.5	1.724	2.669	7.3	20.3
1 2	7 17.18	+19 17.9	1.687	2.664	2.9	20.1
1 12	7 6.44	+20 1.1	1.679	2.660	2.2	20.0
1 22	6 56.08	+20 43.6	1.701	2.654	6.6	20.3
2 1	6 47.32	+21 22.7	1.751	2.648	10.8	20.5
2 11	6 41.07	+21 56.9	1.824	2.642	14.5	20.7
338987	2004 FZ_{136}		1 7.6	139.°70	3.°7/ 9.1	18
12 3	7 34.15	+ 9 2.2	2.577	3.347	12.0	20.8
12 13	7 29.50	+ 8 58.8	2.493	3.351	9.6	20.6
12 23	7 23.17	+ 9 6.1	2.433	3.355	6.9	20.5
1 2	7 15.66	+ 9 24.1	2.401	3.359	4.4	20.3
1 12	7 7.70	+ 9 51.8	2.398	3.363	3.8	20.3
1 22	7 0.06	+10 27.3	2.425	3.366	5.7	20.4
2 1	6 53.47	+11 8.2	2.481	3.370	8.4	20.6
2 11	6 48.51	+11 51.8	2.562	3.373	11.0	20.8
162928	2001 ON_{76}		1 7.6	186.°48	2.°1/ 6.9	18
12 3	7 38.29	+28 15.0	2.426	3.228	11.8	20.3
12 13	7 32.93	+28 36.5	2.342	3.228	9.0	20.1
12 23	7 25.47	+28 57.3	2.283	3.227	5.8	19.9
1 2	7 16.53	+29 13.9	2.252	3.227	2.8	19.7
1 12	7 7.02	+29 23.6	2.252	3.226	2.8	19.7
1 22	6 57.94	+29 24.9	2.281	3.225	5.9	19.9
2 1	6 50.21	+29 18.2	2.339	3.224	9.0	20.1
2 11	6 44.55	+29 4.8	2.422	3.223	11.8	20.3
97474	2000 CX_{47}		1 7.6	309.°00	1.°6/ 7.3	18
12 3	7 39.55	+27 31.9	2.056	2.864	13.4	18.9
12 13	7 34.22	+27 29.2	1.968	2.858	10.2	18.7
12 23	7 26.43	+27 24.8	1.905	2.852	6.6	18.5
1 2	7 16.91	+27 16.0	1.869	2.845	2.8	18.2
1 12	7 6.73	+27 0.5	1.862	2.840	2.6	18.2
1 22	6 57.06	+26 37.8	1.884	2.834	6.4	18.4
2 1	6 49.01	+26 9.1	1.934	2.828	10.2	18.6
2 11	6 43.37	+25 36.4	2.009	2.823	13.5	18.8
222073	1999 HY_{1}		1 7.6	160.°67	36.°2/12.2	17
12 3	7 55.18	−34 12.9	0.936	1.538	38.0	20.3
12 13	7 49.01	−39 24.1	0.923	1.547	37.2	20.3
12 23	7 37.47	−43 34.1	0.918	1.554	36.6	20.3
1 2	7 21.38	−46 24.9	0.918	1.560	36.3	20.3
1 12	7 3.00	−47 45.7	0.923	1.564	36.2	20.3
1 22	6 45.40	−47 36.4	0.932	1.567	36.3	20.3
2 1	6 31.52	−46 5.8	0.944	1.568	36.5	20.3
2 11	6 23.21	−43 30.9	0.957	1.567	36.9	20.4
415498	2014 OG_{375}		1 7.6	183.°22	0.°3/ 7.7	18
12 3	7 41.40	+20 12.8	2.038	2.836	13.8	22.7
12 13	7 35.56	+20 29.6	1.953	2.837	10.6	22.5
12 23	7 27.28	+20 51.9	1.892	2.837	6.7	22.3
1 2	7 17.24	+21 17.2	1.859	2.837	2.5	22.0
1 12	7 6.48	+21 42.3	1.855	2.836	1.9	21.9
1 22	6 56.16	+22 4.7	1.882	2.834	6.2	22.2
2 1	6 47.39	+22 23.3	1.937	2.831	10.1	22.4
2 11	6 41.00	+22 37.7	2.017	2.828	13.5	22.7
329409	2002 ED_{95}		1 7.6	352.°01	8.°7/11.1	18
12 3	7 34.32	− 1 34.5	1.800	2.550	17.2	20.3
12 13	7 30.36	− 1 56.5	1.719	2.547	14.6	20.1
12 23	7 24.07	− 1 55.6	1.658	2.545	11.9	19.9
1 2	7 16.09	− 1 28.4	1.621	2.544	9.6	19.8
1 12	7 7.40	− 0 34.8	1.608	2.542	8.7	19.8
1 22	6 59.10	+ 0 41.9	1.622	2.541	9.9	19.8
2 1	6 52.23	+ 2 15.7	1.662	2.541	12.4	20.0
2 11	6 47.64	+ 3 59.0	1.725	2.541	15.2	20.2

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
46640	1995 *DU*		1	7.6	10.°32	4.°9/ 6.4 18
	h m	° ′			°	m
12 3	7 41.01	+35 15.8	2.028	2.834	13.6	18.4
12 13	7 35.54	+35 50.7	1.953	2.834	10.7	18.2
12 23	7 27.37	+36 19.8	1.900	2.835	7.6	18.0
1 2	7 17.28	+36 37.5	1.875	2.836	5.2	17.9
1 12	7 6.49	+36 39.5	1.878	2.837	5.4	17.9
1 22	6 56.35	+36 24.8	1.909	2.838	8.0	18.0
2 1	6 48.05	+35 55.2	1.966	2.839	11.1	18.2
2 11	6 42.44	+35 14.7	2.047	2.841	14.0	18.4
165118	2000 JB_{68}		1	7.6	92.°10	3.°7/ 8.7 18
12 3	7 35.73	+11 6.2	2.283	3.064	13.1	20.2
12 13	7 30.85	+10 47.5	2.207	3.073	10.3	20.0
12 23	7 24.08	+10 38.5	2.154	3.082	7.2	19.8
1 2	7 16.02	+10 39.6	2.129	3.091	4.5	19.7
1 12	7 7.51	+10 50.2	2.132	3.100	3.9	19.7
1 22	6 59.41	+11 8.7	2.165	3.109	6.2	19.8
2 1	6 52.57	+11 33.1	2.227	3.118	9.1	20.0
2 11	6 47.60	+12 1.1	2.313	3.126	11.9	20.2
63422	2001 KL_{70}		1	7.6	104.°94	5.°0/ 8.5 18
12 3	7 40.27	+10 25.2	1.928	2.708	15.2	19.0
12 13	7 34.49	+ 9 33.5	1.857	2.721	12.1	18.8
12 23	7 26.46	+ 8 52.2	1.810	2.734	8.7	18.7
1 2	7 16.89	+ 8 23.2	1.789	2.747	5.8	18.5
1 12	7 6.84	+ 8 7.1	1.798	2.760	5.2	18.5
1 22	6 57.39	+ 8 3.5	1.834	2.772	7.6	18.7
2 1	6 49.52	+ 8 10.7	1.898	2.784	10.8	18.9
2 11	6 43.94	+ 8 26.0	1.986	2.796	13.8	19.1
119957	2002 RB_{106}		1	7.6	64.°68	4.°7/ 8.6 18
12 3	7 42.19	+12 33.3	1.257	2.070	19.9	19.3
12 13	7 36.87	+12 4.2	1.205	2.091	15.6	19.1
12 23	7 28.33	+11 50.3	1.172	2.111	10.7	18.8
1 2	7 17.62	+11 52.0	1.163	2.132	6.1	18.6
1 12	7 6.31	+12 7.8	1.180	2.153	5.1	18.7
1 22	6 56.04	+12 34.3	1.223	2.174	8.9	18.9
2 1	6 48.17	+13 7.7	1.291	2.195	13.3	19.2
2 11	6 43.55	+13 44.2	1.379	2.216	17.2	19.5
146595	2001 TB_{157}		1	7.6	300.°83	0.°8/ 7.8 18
12 3	7 37.56	+19 27.6	1.733	2.546	15.2	20.4
12 13	7 33.17	+19 35.6	1.642	2.534	11.7	20.1
12 23	7 26.05	+19 50.8	1.573	2.521	7.6	19.8
1 2	7 16.88	+20 11.1	1.531	2.509	2.9	19.5
1 12	7 6.78	+20 33.4	1.516	2.496	2.2	19.4
1 22	6 57.05	+20 55.2	1.530	2.485	7.0	19.7
2 1	6 48.99	+21 14.6	1.570	2.473	11.5	19.9
2 11	6 43.56	+21 30.8	1.632	2.461	15.4	20.2
96628	1999 FW_{27}		1	7.6	219.°97	2.°4/ 6.9 18
12 3	7 43.10	+27 12.2	1.790	2.600	15.0	19.4
12 13	7 37.40	+27 42.8	1.704	2.594	11.5	19.1
12 23	7 28.74	+28 14.5	1.641	2.588	7.5	18.9
1 2	7 17.86	+28 42.1	1.605	2.581	3.4	18.6
1 12	7 6.02	+29 1.0	1.598	2.573	3.5	18.6
1 22	6 54.69	+29 8.5	1.619	2.566	7.6	18.8
2 1	6 45.26	+29 4.8	1.667	2.557	11.7	19.1
2 11	6 38.72	+28 52.2	1.739	2.549	15.4	19.3
101711	1999 DT_1		1	7.6	11.°86	8.°1/ 6.8 18
12 3	7 47.13	+41 35.3	1.508	2.316	17.4	18.7
12 13	7 41.18	+42 3.9	1.442	2.317	14.2	18.5
12 23	7 31.33	+42 18.2	1.397	2.320	10.9	18.3
1 2	7 18.76	+42 9.4	1.375	2.323	8.4	18.2
1 12	7 5.41	+41 32.3	1.379	2.326	8.5	18.2
1 22	6 53.32	+40 27.9	1.409	2.330	11.0	18.4
2 1	6 44.16	+39 2.8	1.463	2.335	14.3	18.6
2 11	6 38.86	+37 26.0	1.539	2.341	17.4	18.8
178176	2006 UQ_{84}		1	7.6	163.°14	1.°3/ 7.9 18
12 3	7 39.83	+18 8.5	2.124	2.919	13.5	20.9
12 13	7 34.19	+18 8.9	2.042	2.923	10.3	20.7
12 23	7 26.32	+18 15.3	1.984	2.927	6.7	20.5
1 2	7 16.87	+18 26.1	1.955	2.931	2.8	20.3
1 12	7 6.84	+18 39.5	1.955	2.934	2.1	20.2
1 22	6 57.27	+18 53.6	1.985	2.937	5.9	20.5
2 1	6 49.16	+19 7.2	2.044	2.939	9.6	20.7
2 11	6 43.24	+19 19.8	2.127	2.941	12.8	20.9
195658	2002 NV_{61}		1	7.6	112.°18	5.°2/ 9.6 18
12 3	7 35.53	+ 5 2.3	2.388	3.145	13.2	20.2
12 13	7 30.60	+ 4 44.8	2.313	3.157	10.8	20.1
12 23	7 23.88	+ 4 40.6	2.261	3.168	8.1	19.9
1 2	7 15.96	+ 4 51.0	2.236	3.180	5.9	19.8
1 12	7 7.60	+ 5 15.2	2.239	3.191	5.3	19.8
1 22	6 59.64	+ 5 51.4	2.272	3.202	6.8	19.9
2 1	6 52.84	+ 6 36.7	2.333	3.213	9.3	20.1
2 11	6 47.81	+ 7 27.4	2.419	3.224	11.7	20.3

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
460888	2014 WU_{163}		1	7.6	90.°34	1.°9/ 8.0 18
	h m	° ′			°	m
12 3	7 39.31	+17 14.3	1.884	2.685	14.7	21.7
12 13	7 33.94	+17 4.0	1.813	2.697	11.3	21.5
12 23	7 26.19	+17 0.7	1.766	2.708	7.4	21.3
1 2	7 16.83	+17 3.3	1.745	2.720	3.3	21.1
1 12	7 6.92	+17 10.3	1.753	2.732	2.6	21.1
1 22	6 57.63	+17 20.0	1.791	2.743	6.4	21.3
2 1	6 49.97	+17 31.0	1.856	2.754	10.2	21.6
2 11	6 44.69	+17 42.5	1.944	2.766	13.5	21.8
461499	2003 BL_{81}		1	7.6	332.°24	0.°5/ 7.5 18
12 3	7 36.46	+23 5.3	1.438	2.269	16.9	20.8
12 13	7 32.90	+23 11.2	1.352	2.254	13.0	20.5
12 23	7 26.17	+23 21.5	1.287	2.239	8.3	20.2
1 2	7 16.99	+23 33.0	1.247	2.226	3.1	19.8
1 12	7 6.71	+23 42.2	1.232	2.213	2.6	19.8
1 22	6 56.93	+23 46.6	1.245	2.201	8.0	20.1
2 1	6 49.18	+23 45.5	1.281	2.190	13.0	20.3
2 11	6 44.58	+23 39.8	1.339	2.180	17.4	20.5
490712	2010 RS_{25}		1	7.6	114.°50	6.°3/ 9.9 18
12 3	7 37.30	+ 4 33.3	1.803	2.573	16.4	21.6
12 13	7 32.56	+ 4 24.0	1.726	2.578	13.4	21.4
12 23	7 25.44	+ 4 33.4	1.669	2.582	10.1	21.2
1 2	7 16.60	+ 5 2.9	1.638	2.586	7.2	21.1
1 12	7 7.07	+ 5 51.2	1.634	2.590	6.3	21.0
1 22	6 58.00	+ 6 54.9	1.658	2.595	8.3	21.1
2 1	6 50.47	+ 8 8.6	1.708	2.599	11.5	21.3
2 11	6 45.28	+ 9 26.9	1.782	2.602	14.6	21.6
414257	2008 GZ_{77}		1	7.6	40.°55	1.°6/ 7.1 18
12 3	7 38.97	+24 3.2	1.776	2.592	14.8	20.8
12 13	7 34.14	+24 44.7	1.700	2.594	11.3	20.6
12 23	7 26.59	+25 30.5	1.647	2.596	7.2	20.4
1 2	7 17.05	+26 16.1	1.621	2.599	2.9	20.1
1 12	7 6.72	+26 56.6	1.623	2.601	2.8	20.1
1 22	6 56.91	+27 28.3	1.654	2.604	7.1	20.4
2 1	6 48.87	+27 50.1	1.711	2.606	11.2	20.6
2 11	6 43.50	+28 2.6	1.792	2.609	14.7	20.9
347275	2011 *LJ*		1	7.6	244.°00	0.°9/ 7.3 18
12 3	7 42.26	+21 30.9	1.575	2.389	16.5	21.4
12 13	7 37.18	+22 14.6	1.485	2.378	12.7	21.1
12 23	7 28.87	+23 7.3	1.417	2.366	8.1	20.8
1 2	7 18.01	+24 4.2	1.375	2.354	3.0	20.5
1 12	7 5.89	+24 59.0	1.362	2.341	2.7	20.4
1 22	6 54.13	+25 46.5	1.376	2.328	8.0	20.7
2 1	6 44.31	+26 23.8	1.417	2.315	12.9	20.9
2 11	6 37.61	+26 50.9	1.480	2.301	17.1	21.2
280077	2002 CU_{238}		1	7.6	297.°50	1.°6/ 7.2 18
12 3	7 38.75	+25 54.0	1.867	2.682	14.3	20.9
12 13	7 34.01	+26 10.1	1.774	2.667	10.9	20.7
12 23	7 26.56	+26 27.7	1.704	2.652	7.0	20.4
1 2	7 17.07	+26 43.0	1.660	2.637	2.9	20.1
1 12	7 6.68	+26 52.4	1.645	2.623	2.8	20.1
1 22	6 56.68	+26 54.0	1.658	2.609	7.0	20.3
2 1	6 48.34	+26 47.6	1.698	2.594	11.2	20.5
2 11	6 42.63	+26 34.7	1.761	2.580	14.8	20.7
218637	2005 SP_{15}		1	7.6	171.°38	0.°7/ 7.8 18
12 3	7 39.48	+19 39.3	2.246	3.041	12.8	21.7
12 13	7 33.85	+19 44.2	2.162	3.044	9.8	21.5
12 23	7 26.08	+19 53.8	2.102	3.046	6.3	21.3
1 2	7 16.80	+20 6.3	2.071	3.048	2.4	21.1
1 12	7 6.94	+20 19.7	2.070	3.050	1.8	21.0
1 22	6 57.52	+20 32.2	2.099	3.051	5.7	21.3
2 1	6 49.47	+20 42.9	2.157	3.052	9.2	21.5
2 11	6 43.52	+20 51.6	2.240	3.052	12.3	21.7
17920	Zarnecki		1	7.6	228.°91	4.°0/ 8.6 18
12 3	7 39.43	+12 2.1	1.741	2.535	16.0	19.1
12 13	7 34.42	+11 47.9	1.654	2.529	12.7	18.9
12 23	7 26.77	+11 45.8	1.588	2.523	8.8	18.6
1 2	7 17.14	+11 56.3	1.549	2.516	5.1	18.4
1 12	7 6.64	+12 18.3	1.537	2.509	4.3	18.3
1 22	6 56.56	+12 49.2	1.553	2.501	7.6	18.5
2 1	6 48.11	+13 26.2	1.596	2.494	11.7	18.7
2 11	6 42.22	+14 6.0	1.662	2.486	15.4	18.9
26328	Litomyšl		1	7.6	124.°80	3.°5/ 8.5 18
12 3	7 42.80	+12 39.4	1.788	2.575	15.9	18.5
12 13	7 36.61	+12 29.1	1.720	2.592	12.4	18.3
12 23	7 27.90	+12 30.2	1.675	2.609	8.5	18.1
1 2	7 17.46	+12 42.3	1.656	2.624	4.7	17.9
1 12	7 6.46	+13 3.5	1.667	2.640	3.9	17.9
1 22	6 56.13	+13 31.5	1.706	2.654	7.1	18.1
2 1	6 47.58	+14 3.4	1.773	2.668	10.9	18.4
2 11	6 41.58	+14 36.8	1.864	2.681	14.3	18.6

147960 1994 CM_4 1 7.6 163.°78 2.°7/ 8.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.35	+13 48.1	1.814	2.604	15.6	21.0
12 13	7 36.44	+13 57.5	1.735	2.610	12.2	20.8
12 23	7 27.92	+14 18.3	1.678	2.616	8.2	20.6
1 2	7 17.52	+14 49.3	1.648	2.620	4.1	20.3
1 12	7 6.37	+15 27.8	1.648	2.624	3.2	20.3
1 22	6 55.73	+16 10.2	1.677	2.628	6.9	20.5
2 1	6 46.79	+16 53.4	1.734	2.630	11.0	20.8
2 11	6 40.42	+17 35.1	1.814	2.631	14.5	21.0

294131 2007 TF_{274} 1 7.6 1.°65 1.°3/ 7.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.78	+18 33.4	1.254	2.088	18.7	20.3
12 13	7 33.27	+18 39.2	1.184	2.086	14.4	20.1
12 23	7 26.42	+18 55.4	1.134	2.086	9.3	19.8
1 2	7 17.07	+19 19.7	1.107	2.086	3.7	19.5
1 12	7 6.72	+19 48.3	1.106	2.087	2.8	19.4
1 22	6 57.08	+20 17.2	1.130	2.089	8.3	19.7
2 1	6 49.72	+20 43.8	1.178	2.091	13.5	20.0
2 11	6 45.69	+21 6.6	1.247	2.095	17.9	20.3

422251 2014 SU_{102} 1 7.6 136.°95 5.°9/ 9.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.20	+ 5 7.4	2.046	2.808	15.0	22.0
12 13	7 32.92	+ 4 46.3	1.970	2.817	12.2	21.9
12 23	7 25.50	+ 4 40.5	1.917	2.826	9.2	21.7
1 2	7 16.60	+ 4 51.6	1.889	2.835	6.7	21.5
1 12	7 7.15	+ 5 18.9	1.889	2.843	5.9	21.5
1 22	6 58.15	+ 6 0.2	1.919	2.851	7.7	21.6
2 1	6 50.55	+ 6 51.8	1.975	2.858	10.6	21.8
2 11	6 45.06	+ 7 49.2	2.056	2.865	13.4	22.0

132868 2002 RO_{95} 1 7.6 77.°89 0.°5/ 7.4 18 R

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 34.23	+23 45.5	3.138	3.933	9.5	20.4
12 13	7 29.27	+23 57.5	3.070	3.954	7.2	20.2
12 23	7 22.89	+24 10.7	3.029	3.975	4.5	20.1
1 2	7 15.58	+24 23.3	3.017	3.996	1.7	19.9
1 12	7 7.98	+24 33.7	3.037	4.016	1.4	19.9
1 22	7 0.76	+24 41.0	3.087	4.037	4.2	20.2
2 1	6 54.52	+24 44.9	3.168	4.057	6.8	20.4
2 11	6 49.76	+24 45.4	3.274	4.078	9.0	20.5

187687 2008 DV_{31} 1 7.6 148.°55 1.°1/ 7.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.20	+23 45.8	1.977	2.783	13.9	20.7
12 13	7 34.76	+24 14.5	1.899	2.788	10.5	20.5
12 23	7 26.83	+24 46.5	1.845	2.792	6.7	20.3
1 2	7 17.13	+25 18.1	1.818	2.796	2.6	20.0
1 12	7 6.73	+25 45.4	1.821	2.800	2.4	20.0
1 22	6 56.84	+26 6.1	1.853	2.803	6.4	20.3
2 1	6 48.59	+26 19.2	1.913	2.806	10.3	20.5
2 11	6 42.78	+26 25.5	1.997	2.809	13.6	20.7

221375 2005 XF_{55} 1 7.6 48.°83 2.°7/ 6.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.70	+27 31.1	1.735	2.553	15.0	20.3
12 13	7 34.71	+28 10.1	1.668	2.562	11.4	20.1
12 23	7 26.92	+28 49.8	1.624	2.572	7.4	19.8
1 2	7 17.17	+29 24.9	1.607	2.582	3.5	19.6
1 12	7 6.72	+29 50.6	1.617	2.592	3.7	19.7
1 22	6 56.95	+30 4.5	1.656	2.602	7.4	19.9
2 1	6 49.10	+30 6.7	1.721	2.613	11.3	20.2
2 11	6 44.04	+29 59.4	1.808	2.624	14.7	20.4

92406 2000 JN_{32} 1 7.6 266.°77 2.°8/ 8.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.65	+16 30.5	1.547	2.356	16.9	19.9
12 13	7 35.76	+16 8.2	1.458	2.345	13.2	19.6
12 23	7 27.84	+15 54.0	1.390	2.334	8.9	19.4
1 2	7 17.59	+15 47.9	1.348	2.322	4.3	19.1
1 12	7 6.31	+15 48.8	1.333	2.311	3.5	19.0
1 22	6 55.49	+15 55.2	1.346	2.299	8.0	19.2
2 1	6 46.56	+16 5.6	1.384	2.287	12.7	19.5
2 11	6 40.59	+16 18.6	1.445	2.275	16.9	19.7

431211 2006 SB_{204} 1 7.6 159.°62 8.°3/11.8 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 33.38	−10 8.2	3.061	3.722	12.4	22.1
12 13	7 28.69	−10 49.8	2.982	3.728	11.1	22.0
12 23	7 22.58	−11 14.4	2.923	3.732	9.7	21.9
1 2	7 15.50	−11 19.3	2.889	3.737	8.7	21.9
1 12	7 8.04	−11 3.5	2.880	3.741	8.3	21.8
1 22	7 0.84	−10 27.9	2.897	3.744	8.7	21.9
2 1	6 54.51	− 9 35.1	2.940	3.748	9.8	21.9
2 11	6 49.56	− 8 29.1	3.008	3.751	11.1	22.1

29965 1999 JX_{102} 1 7.6 345.°33 0.°7/ 7.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 35.41	+22 15.9	1.996	2.809	13.5	18.4
12 13	7 31.19	+22 47.8	1.912	2.804	10.3	18.2
12 23	7 24.63	+23 24.9	1.851	2.800	6.5	18.0
1 2	7 16.35	+24 3.8	1.818	2.797	2.4	17.7
1 12	7 7.34	+24 40.9	1.813	2.793	2.1	17.7
1 22	6 58.72	+25 13.0	1.838	2.790	6.3	17.9
2 1	6 51.56	+25 38.5	1.890	2.788	10.1	18.2
2 11	6 46.68	+25 57.1	1.965	2.786	13.4	18.4

286903 2002 PY_{67} 1 7.6 217.°21 0.°9/ 7.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.48	+19 18.0	1.999	2.798	14.0	22.1
12 13	7 34.97	+19 21.0	1.908	2.792	10.8	21.9
12 23	7 27.00	+19 29.7	1.840	2.785	7.0	21.7
1 2	7 17.22	+19 42.2	1.800	2.777	2.8	21.4
1 12	7 6.65	+19 56.2	1.789	2.769	2.1	21.3
1 22	6 56.48	+20 9.9	1.808	2.761	6.3	21.6
2 1	6 47.83	+20 21.9	1.856	2.752	10.4	21.8
2 11	6 41.56	+20 31.9	1.927	2.743	13.9	22.0

354985 2006 KR_{42} 1 7.6 248.°64 1.°3/ 7.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.28	+18 24.3	1.759	2.565	15.4	21.7
12 13	7 35.18	+18 25.5	1.668	2.554	11.9	21.5
12 23	7 27.33	+18 34.0	1.598	2.543	7.7	21.2
1 2	7 17.39	+18 48.2	1.555	2.532	3.2	20.9
1 12	7 6.50	+19 5.6	1.541	2.520	2.4	20.8
1 22	6 56.00	+19 23.8	1.555	2.508	7.0	21.1
2 1	6 47.19	+19 41.1	1.596	2.496	11.5	21.3
2 11	6 41.04	+19 56.7	1.660	2.484	15.4	21.5

382292 2012 UQ_{104} 1 7.6 221.°70 2.°8/ 8.3 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.44	+13 28.8	2.885	3.659	10.8	20.7
12 13	7 31.12	+12 57.5	2.786	3.650	8.5	20.5
12 23	7 24.18	+12 31.5	2.712	3.642	5.9	20.3
1 2	7 16.10	+12 11.3	2.667	3.633	3.5	20.2
1 12	7 7.56	+11 57.1	2.654	3.623	3.0	20.1
1 22	6 59.29	+11 48.6	2.671	3.613	5.2	20.3
2 1	6 51.98	+11 45.3	2.718	3.603	7.9	20.4
2 11	6 46.22	+11 46.1	2.791	3.592	10.4	20.6

55753 Raman 1 7.6 158.°40 3.°8/ 6.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.85	+33 19.7	2.391	3.185	12.2	19.8
12 13	7 36.49	+33 54.2	2.314	3.192	9.4	19.7
12 23	7 27.79	+34 24.4	2.262	3.198	6.5	19.5
1 2	7 17.46	+34 45.8	2.239	3.203	4.1	19.4
1 12	7 6.54	+34 54.9	2.245	3.208	4.3	19.4
1 22	6 56.17	+34 50.4	2.282	3.212	6.8	19.5
2 1	6 47.38	+34 33.4	2.346	3.216	9.7	19.7
2 11	6 40.91	+34 6.8	2.435	3.219	12.3	19.9

273064 2006 DM_{190} 1 7.6 211.°75 0.°0/ 7.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.26	+21 11.9	2.306	3.106	12.3	20.9
12 13	7 32.24	+21 30.6	2.218	3.103	9.4	20.7
12 23	7 25.13	+21 53.6	2.154	3.100	6.0	20.5
1 2	7 16.51	+22 18.7	2.119	3.097	2.2	20.2
1 12	7 7.27	+22 43.0	2.113	3.094	1.7	20.2
1 22	6 58.38	+23 4.6	2.138	3.090	5.6	20.4
2 1	6 50.78	+23 22.2	2.192	3.086	9.1	20.7
2 11	6 45.20	+23 35.5	2.270	3.082	12.1	20.9

401147 2011 VY_{10} 1 7.6 142.°19 0.°9/ 7.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 43.34	+23 31.8	1.935	2.737	14.3	22.2
12 13	7 37.09	+23 53.1	1.862	2.748	10.9	22.0
12 23	7 28.27	+24 17.3	1.812	2.759	6.9	21.8
1 2	7 17.66	+24 40.7	1.790	2.769	2.6	21.6
1 12	7 6.40	+24 59.9	1.799	2.778	2.3	21.5
1 22	6 55.77	+25 12.7	1.836	2.787	6.5	21.8
2 1	6 46.90	+25 18.8	1.902	2.795	10.4	22.1
2 11	6 40.60	+25 19.2	1.992	2.802	13.7	22.3

286196 2001 UD_{67} 1 7.6 62.°04 4.°0/ 6.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.79	+33 10.9	2.301	3.105	12.3	20.9
12 13	7 33.57	+33 57.2	2.227	3.109	9.5	20.7
12 23	7 26.03	+34 40.2	2.177	3.114	6.6	20.6
1 2	7 16.84	+35 14.8	2.155	3.118	4.3	20.4
1 12	7 7.03	+35 37.1	2.162	3.123	4.6	20.4
1 22	6 57.70	+35 45.3	2.198	3.128	7.1	20.6
2 1	6 49.90	+35 39.9	2.261	3.132	9.9	20.8
2 11	6 44.39	+35 23.5	2.348	3.137	12.5	21.0

3858 Dorchester 1 7.6 120.°68 4.°3/ 6.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 50.30	+31 58.8	1.679	2.481	16.1	17.7
12 13	7 42.77	+32 36.4	1.619	2.501	12.4	17.5
12 23	7 32.00	+33 9.4	1.581	2.521	8.4	17.3
1 2	7 19.01	+33 30.8	1.571	2.540	4.9	17.1
1 12	7 5.40	+33 35.7	1.590	2.558	5.0	17.2
1 22	6 52.84	+33 23.3	1.637	2.575	8.4	17.4
2 1	6 42.74	+32 56.3	1.712	2.591	12.1	17.7
2 11	6 35.97	+32 19.8	1.809	2.606	15.4	17.9

334247 2001 TT_{141} 1 7.6 70.°64 0.°6/ 7.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.01	+19 2.3	2.238	3.037	12.7	20.9
12 13	7 31.87	+19 18.7	2.174	3.058	9.6	20.7
12 23	7 24.76	+19 40.6	2.134	3.079	6.1	20.6
1 2	7 16.33	+20 5.9	2.122	3.099	2.4	20.4
1 12	7 7.49	+20 32.0	2.140	3.120	1.7	20.3
1 22	6 59.18	+20 56.9	2.188	3.141	5.4	20.6
2 1	6 52.24	+21 19.2	2.264	3.161	8.7	20.9
2 11	6 47.30	+21 38.1	2.366	3.182	11.6	21.1

101721 Emanuelfritsch 1 7.6 260.°85 5.°8/ 9.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 33.91	+ 3 22.3	2.499	3.249	12.9	20.0
12 13	7 29.50	+ 3 0.1	2.403	3.239	10.7	19.8
12 23	7 23.32	+ 2 51.4	2.329	3.229	8.3	19.7
1 2	7 15.86	+ 2 58.0	2.282	3.218	6.4	19.5
1 12	7 7.84	+ 3 20.0	2.263	3.207	5.8	19.5
1 22	7 0.04	+ 3 56.0	2.272	3.196	7.2	19.5
2 1	6 53.25	+ 4 43.4	2.309	3.185	9.5	19.7
2 11	6 48.13	+ 5 38.4	2.372	3.174	12.0	19.8

49160 1998 SW_{55} 1 7.6 18.°20 5.°8/ 6.7 18

12 3	7 43.44	+32 56.7	1.201	2.036	19.3	18.1
12 13	7 38.89	+33 37.6	1.139	2.039	15.0	17.9
12 23	7 30.23	+34 13.3	1.097	2.042	10.4	17.6
1 2	7 18.53	+34 34.9	1.077	2.046	6.4	17.4
1 12	7 5.78	+34 35.2	1.083	2.051	6.6	17.4
1 22	6 54.16	+34 12.8	1.113	2.057	10.6	17.7
2 1	6 45.54	+33 31.7	1.166	2.063	15.2	17.9
2 11	6 40.99	+32 38.7	1.239	2.069	19.2	18.2

343752 2011 FQ_{48} 1 7.6 190.°65 4.°2/ 9.4 17

12 3	7 34.39	+ 5 29.7	3.145	3.890	10.6	22.7
12 13	7 29.45	+ 5 15.4	3.051	3.888	8.6	22.6
12 23	7 23.08	+ 5 11.2	2.982	3.886	6.5	22.4
1 2	7 15.73	+ 5 17.7	2.940	3.883	4.7	22.3
1 12	7 7.97	+ 5 34.8	2.929	3.880	4.3	22.3
1 22	7 0.44	+ 6 1.2	2.949	3.876	5.6	22.3
2 1	6 53.74	+ 6 35.1	2.997	3.872	7.6	22.5
2 11	6 48.38	+ 7 14.2	3.072	3.867	9.7	22.6

298379 2003 SP_{51} 1 7.6 39.°29 1.°8/ 8.1 18

12 3	7 38.37	+16 21.2	1.393	2.213	17.9	20.1
12 13	7 34.06	+16 39.7	1.328	2.222	13.8	19.8
12 23	7 26.71	+17 10.8	1.285	2.232	9.0	19.6
1 2	7 17.18	+17 51.7	1.265	2.242	3.8	19.3
1 12	7 6.85	+18 38.0	1.273	2.253	2.8	19.3
1 22	6 57.25	+19 25.1	1.307	2.264	7.7	19.6
2 1	6 49.75	+20 9.3	1.367	2.276	12.4	19.9
2 11	6 45.29	+20 48.4	1.449	2.288	16.4	20.2

14787 5038 T_{-3} 1 7.6 176.°04 1.°6/ 8.3 18 R

12 3	7 36.07	+15 22.7	2.268	3.060	12.8	18.4
12 13	7 31.32	+15 44.3	2.182	3.061	9.9	18.2
12 23	7 24.55	+16 14.7	2.121	3.061	6.5	18.0
1 2	7 16.33	+16 52.5	2.087	3.062	3.0	17.7
1 12	7 7.51	+17 34.9	2.083	3.062	2.2	17.7
1 22	6 59.02	+18 19.0	2.109	3.062	5.6	17.9
2 1	6 51.77	+19 2.3	2.164	3.062	9.1	18.1
2 11	6 46.47	+19 42.9	2.244	3.062	12.1	18.3

149924 2005 SS_{116} 1 7.6 102.°71 2.°8/ 8.5 18

12 3	7 37.73	+13 42.9	1.916	2.711	14.7	20.5
12 13	7 32.82	+13 45.9	1.839	2.717	11.4	20.3
12 23	7 25.59	+13 59.7	1.785	2.723	7.7	20.1
1 2	7 16.72	+14 23.1	1.757	2.729	4.0	19.9
1 12	7 7.22	+14 54.3	1.759	2.735	3.2	19.8
1 22	6 58.20	+15 30.2	1.789	2.740	6.5	20.0
2 1	6 50.70	+16 8.2	1.847	2.746	10.3	20.3
2 11	6 45.48	+16 45.9	1.929	2.752	13.6	20.5

290268 2005 SX_{138} 1 7.6 345.°45 0.°0/ 7.5 18

12 3	7 39.85	+21 12.1	1.276	2.107	18.6	21.0
12 13	7 35.73	+21 29.0	1.202	2.104	14.3	20.7
12 23	7 28.09	+21 53.9	1.149	2.101	9.1	20.4
1 2	7 17.78	+22 23.1	1.120	2.099	3.4	20.1
1 12	7 6.36	+22 51.5	1.116	2.097	2.7	20.0
1 22	6 55.63	+23 15.3	1.138	2.095	8.5	20.4
2 1	6 47.27	+23 32.6	1.185	2.094	13.8	20.7
2 11	6 42.41	+23 43.6	1.252	2.094	18.3	20.9

169372 2001 UF_{137} 1 7.6 125.°42 3.°4/ 8.8 18

12 3	7 35.00	+10 48.9	2.508	3.284	12.2	20.8
12 13	7 30.22	+10 34.7	2.426	3.290	9.6	20.6
12 23	7 23.70	+10 29.7	2.369	3.295	6.8	20.5
1 2	7 15.98	+10 34.2	2.339	3.300	4.2	20.3
1 12	7 7.82	+10 47.5	2.338	3.306	3.6	20.3
1 22	7 0.01	+11 8.1	2.368	3.311	5.8	20.4
2 1	6 53.30	+11 34.1	2.426	3.316	8.5	20.6
2 11	6 48.30	+12 3.5	2.509	3.321	11.2	20.8

373295 2012 HA_{60} 1 7.6 143.°62 0.°6/ 7.4 18

12 3	7 39.05	+23 20.3	2.471	3.267	11.7	21.8
12 13	7 33.38	+23 40.1	2.393	3.277	8.9	21.6
12 23	7 25.74	+24 2.0	2.340	3.286	5.6	21.4
1 2	7 16.74	+24 23.7	2.316	3.295	2.1	21.2
1 12	7 7.24	+24 42.4	2.323	3.303	1.8	21.1
1 22	6 58.18	+24 56.5	2.361	3.310	5.3	21.4
2 1	6 50.41	+25 5.6	2.428	3.318	8.5	21.6
2 11	6 44.60	+25 9.8	2.520	3.324	11.3	21.8

169300 2001 SL_{353} 1 7.6 143.°48 4.°8/ 9.3 18

12 3	7 34.44	+ 6 32.9	2.527	3.288	12.5	20.9
12 13	7 29.79	+ 6 10.6	2.443	3.292	10.1	20.8
12 23	7 23.44	+ 5 59.8	2.383	3.295	7.6	20.6
1 2	7 15.90	+ 6 1.5	2.350	3.298	5.4	20.5
1 12	7 7.90	+ 6 15.6	2.346	3.300	4.8	20.5
1 22	7 0.23	+ 6 40.7	2.371	3.303	6.4	20.6
2 1	6 53.62	+ 7 14.5	2.424	3.305	8.9	20.7
2 11	6 48.67	+ 7 54.0	2.502	3.308	11.4	20.9

378872 2008 TB_{120} 1 7.6 145.°46 4.°6/ 9.0 18

12 3	7 36.30	+ 8 1.7	2.387	3.154	13.0	21.4
12 13	7 31.26	+ 7 33.8	2.306	3.160	10.4	21.3
12 23	7 24.39	+ 7 16.7	2.249	3.165	7.7	21.1
1 2	7 16.25	+ 7 11.6	2.218	3.170	5.3	21.0
1 12	7 7.64	+ 7 18.5	2.217	3.175	4.8	20.9
1 22	6 59.40	+ 7 36.0	2.245	3.180	6.6	21.1
2 1	6 52.33	+ 8 2.1	2.301	3.184	9.2	21.2
2 11	6 47.06	+ 8 34.1	2.382	3.188	11.8	21.4

157975 2000 GQ_{138} 1 7.6 315.°44 4.°4/ 6.3 18

12 3	7 40.54	+28 5.4	1.312	2.146	18.0	20.1
12 13	7 36.63	+29 12.9	1.233	2.135	14.0	19.8
12 23	7 28.92	+30 24.9	1.176	2.125	9.3	19.5
1 2	7 18.19	+31 32.9	1.142	2.116	5.1	19.2
1 12	7 6.02	+32 27.3	1.134	2.106	5.6	19.2
1 22	6 54.39	+33 2.3	1.152	2.098	10.1	19.5
2 1	6 45.22	+33 16.8	1.194	2.089	14.9	19.7
2 11	6 39.85	+33 14.2	1.255	2.081	19.2	20.0

59680 1999 JW_{102} 1 7.6 333.°81 6.°4/ 9.4 18

12 3	7 33.75	+ 4 34.5	2.090	2.858	14.5	19.0
12 13	7 29.68	+ 3 55.3	2.004	2.851	12.0	18.8
12 23	7 23.58	+ 3 30.4	1.939	2.845	9.3	18.6
1 2	7 16.01	+ 3 22.2	1.899	2.839	7.1	18.5
1 12	7 7.82	+ 3 31.5	1.886	2.834	6.5	18.4
1 22	6 59.96	+ 3 57.0	1.901	2.829	8.1	18.5
2 1	6 53.34	+ 4 36.0	1.942	2.824	10.8	18.7
2 11	6 48.67	+ 5 24.4	2.007	2.820	13.5	18.8

151743 2003 CE_{21} 1 7.6 291.°62 4.°4/ 9.3 18

12 3	7 36.20	+ 8 34.3	1.845	2.631	15.5	20.0
12 13	7 31.96	+ 8 47.8	1.750	2.618	12.5	19.7
12 23	7 25.27	+ 9 18.2	1.677	2.606	8.9	19.5
1 2	7 16.70	+10 5.7	1.630	2.593	5.5	19.3
1 12	7 7.25	+11 8.1	1.611	2.581	4.6	19.2
1 22	6 58.05	+12 21.1	1.620	2.569	7.4	19.3
2 1	6 50.25	+13 39.7	1.657	2.556	11.2	19.5
2 11	6 44.78	+14 58.7	1.717	2.544	14.8	19.7

461368 2000 RL_{107} 1 7.6 81.°75 0.°6/ 7.4 18

12 3	7 39.30	+22 28.1	1.875	2.685	14.4	21.6
12 13	7 34.14	+22 54.7	1.805	2.695	10.9	21.4
12 23	7 26.49	+23 25.8	1.757	2.705	6.9	21.2
1 2	7 17.08	+23 57.7	1.736	2.715	2.5	20.9
1 12	7 7.03	+24 26.7	1.745	2.725	2.2	20.9
1 22	6 57.56	+24 50.2	1.782	2.735	6.5	21.2
2 1	6 49.78	+25 7.0	1.847	2.744	10.4	21.5
2 11	6 44.48	+25 17.6	1.936	2.754	13.7	21.7

203608 2002 EV_{58} 1 7.6 210.°95 1.°9/ 7.2 18

12 3	7 43.29	+26 38.1	1.766	2.576	15.1	20.7
12 13	7 37.53	+26 52.3	1.683	2.573	11.6	20.5
12 23	7 28.83	+27 6.8	1.622	2.569	7.5	20.2
1 2	7 17.99	+27 17.4	1.588	2.565	3.2	20.0
1 12	7 6.29	+27 20.4	1.583	2.561	3.0	19.9
1 22	6 55.18	+27 14.1	1.607	2.556	7.3	20.2
2 1	6 45.99	+26 59.2	1.658	2.551	11.6	20.4
2 11	6 39.69	+26 38.2	1.731	2.546	15.2	20.7

86438 2000 CN_{16} 1 7.6 248.°40 1.°4/ 7.9 18

12 3	7 41.94	+19 13.9	1.534	2.347	16.9	19.8
12 13	7 36.81	+19 3.9	1.449	2.340	13.1	19.5
12 23	7 28.55	+19 0.4	1.385	2.332	8.5	19.2
1 2	7 17.94	+19 1.9	1.346	2.324	3.5	18.9
1 12	7 6.31	+19 6.1	1.335	2.315	2.7	18.8
1 22	6 55.20	+19 11.1	1.352	2.307	7.8	19.1
2 1	6 46.08	+19 16.1	1.394	2.298	12.6	19.4
2 11	6 40.02	+19 20.5	1.459	2.289	16.8	19.6

54485 2000 OR_{27} 1 7.6 213.°77 5.°0/ 9.6 18

12 3	7 36.84	+ 5 58.6	2.142	2.907	14.3	19.0
12 13	7 32.01	+ 6 1.4	2.052	2.903	11.6	18.8
12 23	7 25.06	+ 6 19.8	1.984	2.899	8.6	18.6
1 2	7 16.57	+ 6 54.4	1.942	2.894	5.9	18.4
1 12	7 7.41	+ 7 43.9	1.929	2.889	5.1	18.4
1 22	6 58.54	+ 8 45.3	1.945	2.884	7.1	18.5
2 1	6 50.92	+ 9 54.3	1.989	2.879	10.2	18.6
2 11	6 45.30	+11 6.5	2.059	2.873	13.2	18.8

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
495723 2016 CF_{201}			1 7.6	131.°77	2.°4/ 6.9	18
12 3	7 41.43	+28 34.5	2.100	2.904	13.3	21.8
12 13	7 35.60	+28 56.0	2.024	2.911	10.1	21.6
12 23	7 27.34	+29 16.2	1.973	2.918	6.6	21.4
1 2	7 17.38	+29 31.2	1.950	2.924	3.2	21.2
1 12	7 6.82	+29 37.6	1.956	2.931	3.2	21.2
1 22	6 56.86	+29 34.2	1.992	2.937	6.5	21.4
2 1	6 48.55	+29 21.7	2.056	2.943	10.0	21.7
2 11	6 42.67	+29 2.2	2.144	2.948	13.0	21.9
166902 2003 AQ_{22}			1 7.6	32.°25	0.°2/ 7.7	18
12 3	7 36.46	+17 15.7	2.155	2.953	13.2	19.4
12 13	7 31.79	+18 20.7	2.074	2.958	10.0	19.2
12 23	7 24.96	+19 35.9	2.018	2.963	6.4	19.0
1 2	7 16.54	+20 57.4	1.991	2.969	2.4	18.7
1 12	7 7.44	+22 20.2	1.994	2.974	1.8	18.7
1 22	6 58.66	+23 39.2	2.028	2.980	5.8	19.0
2 1	6 51.20	+24 50.9	2.091	2.986	9.4	19.2
2 11	6 45.81	+25 53.2	2.179	2.993	12.5	19.4
293690 2007 PB_{35}			1 7.6	169.°77	0.°3/ 7.5	18
12 3	7 43.34	+22 35.1	2.111	2.906	13.5	21.7
12 13	7 36.97	+22 47.4	2.029	2.912	10.3	21.5
12 23	7 28.19	+23 2.7	1.971	2.916	6.5	21.3
1 2	7 17.71	+23 18.0	1.941	2.919	2.4	21.0
1 12	7 6.57	+23 30.7	1.942	2.922	1.9	21.0
1 22	6 55.95	+23 39.0	1.974	2.924	6.1	21.3
2 1	6 46.91	+23 42.4	2.034	2.925	9.9	21.5
2 11	6 40.24	+23 41.7	2.118	2.925	13.1	21.7
276566 2003 SG_{210}			1 7.6	87.°82	2.°6/ 8.5	18
12 3	7 37.08	+13 47.6	2.148	2.937	13.5	20.7
12 13	7 32.02	+13 45.2	2.076	2.951	10.5	20.5
12 23	7 24.94	+13 52.0	2.029	2.965	7.1	20.3
1 2	7 16.49	+14 7.1	2.008	2.979	3.7	20.1
1 12	7 7.56	+14 29.0	2.018	2.993	3.0	20.1
1 22	6 59.12	+14 55.5	2.056	3.006	5.9	20.3
2 1	6 52.04	+15 24.5	2.123	3.019	9.3	20.6
2 11	6 46.99	+15 54.0	2.215	3.033	12.2	20.8
363889 2005 SE_{103}			1 7.6	112.°97	5.°6/ 9.6	18
12 3	7 38.77	+ 4 41.5	2.303	3.054	13.8	22.1
12 13	7 33.05	+ 4 15.5	2.236	3.076	11.3	22.0
12 23	7 25.46	+ 4 3.3	2.193	3.097	8.5	21.8
1 2	7 16.65	+ 4 6.2	2.176	3.117	6.3	21.7
1 12	7 7.45	+ 4 23.8	2.188	3.137	5.6	21.7
1 22	6 58.74	+ 4 54.2	2.230	3.156	7.2	21.9
2 1	6 51.33	+ 5 34.4	2.299	3.175	9.6	22.0
2 11	6 45.81	+ 6 20.8	2.394	3.193	12.0	22.2
490394 2009 QN_{21}			1 7.6	183.°10	0.°8/ 7.9	18
12 3	7 39.18	+18 27.8	2.491	3.279	11.9	22.4
12 13	7 33.52	+18 44.5	2.402	3.280	9.1	22.2
12 23	7 25.89	+19 6.9	2.338	3.280	5.9	22.0
1 2	7 16.86	+19 33.0	2.302	3.279	2.3	21.8
1 12	7 7.25	+20 0.6	2.298	3.278	1.7	21.7
1 22	6 57.97	+20 27.5	2.325	3.276	5.2	21.9
2 1	6 49.88	+20 52.2	2.381	3.273	8.6	22.1
2 11	6 43.69	+21 14.0	2.463	3.270	11.5	22.3
281597 2008 UF_{167}			1 7.6	302.°98	0.°5/ 7.8	18
12 3	7 36.49	+20 4.7	2.095	2.901	13.2	21.3
12 13	7 31.90	+20 14.7	2.006	2.894	10.1	21.1
12 23	7 25.06	+20 30.1	1.941	2.888	6.5	20.8
1 2	7 16.60	+20 48.8	1.903	2.881	2.5	20.6
1 12	7 7.44	+21 8.5	1.894	2.875	1.9	20.5
1 22	6 58.65	+21 26.9	1.915	2.869	5.9	20.8
2 1	6 51.24	+21 42.8	1.963	2.863	9.7	21.0
2 11	6 45.99	+21 55.7	2.036	2.857	13.0	21.2
31651 1999 HH_2			1 7.6	266.°82	4.°4/ 6.2	18
12 3	7 42.45	+29 27.0	1.583	2.402	16.2	18.3
12 13	7 37.55	+30 32.5	1.500	2.393	12.5	18.0
12 23	7 29.24	+31 40.1	1.439	2.384	8.5	17.8
1 2	7 18.28	+32 41.9	1.404	2.375	4.9	17.5
1 12	7 6.07	+33 30.1	1.397	2.366	5.3	17.5
1 22	6 54.32	+33 59.9	1.417	2.356	9.2	17.7
2 1	6 44.70	+34 10.7	1.462	2.347	13.4	18.0
2 11	6 38.41	+34 6.0	1.528	2.337	17.2	18.2
473886 2016 EK_{143}			1 7.6	318.°80	1.°3/ 7.2	18
12 3	7 38.26	+24 44.7	2.046	2.856	13.4	21.6
12 13	7 33.31	+25 6.6	1.964	2.854	10.2	21.4
12 23	7 25.98	+25 30.8	1.905	2.853	6.5	21.2
1 2	7 16.93	+25 53.8	1.874	2.852	2.6	20.9
1 12	7 7.20	+26 12.4	1.872	2.851	2.4	20.9
1 22	6 57.92	+26 24.5	1.899	2.850	6.3	21.2
2 1	6 50.17	+26 29.6	1.954	2.849	10.0	21.4
2 11	6 44.76	+26 28.4	2.033	2.848	13.3	21.6

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
236968 2007 VD_{180}			1 7.6	272.°68	0.°2/ 7.5	18
12 3	7 36.08	+21 45.4	2.365	3.167	12.0	21.1
12 13	7 31.38	+22 4.4	2.274	3.160	9.2	20.9
12 23	7 24.64	+22 27.3	2.207	3.154	5.8	20.7
1 2	7 16.42	+22 51.9	2.169	3.147	2.1	20.4
1 12	7 7.59	+23 15.6	2.160	3.140	1.7	20.4
1 22	6 59.07	+23 36.2	2.182	3.134	5.5	20.6
2 1	6 51.78	+23 52.7	2.232	3.127	8.9	20.8
2 11	6 46.43	+24 4.7	2.306	3.120	11.9	21.0
462359 2008 RG_{114}			1 7.6	172.°75	2.°5/ 6.9	18
12 3	7 39.54	+28 36.0	2.188	2.993	12.8	22.2
12 13	7 34.18	+29 3.3	2.107	2.994	9.8	22.0
12 23	7 26.47	+29 29.9	2.050	2.994	6.4	21.8
1 2	7 17.10	+29 51.7	2.021	2.995	3.2	21.6
1 12	7 7.08	+30 5.3	2.021	2.995	3.2	21.6
1 22	6 57.54	+30 9.1	2.051	2.995	6.4	21.8
2 1	6 49.52	+30 3.3	2.109	2.995	9.8	22.0
2 11	6 43.81	+29 49.6	2.191	2.995	12.8	22.2
14506 1996 BL_2			1 7.6	59.°98	2.°8/ 8.2	18
12 3	7 42.41	+16 40.0	1.269	2.089	19.3	17.7
12 13	7 37.16	+16 21.2	1.215	2.108	14.9	17.5
12 23	7 28.64	+16 13.1	1.181	2.127	9.8	17.2
1 2	7 17.90	+16 14.6	1.171	2.146	4.5	17.0
1 12	7 6.53	+16 23.6	1.187	2.165	3.6	17.0
1 22	6 56.20	+16 37.4	1.229	2.185	8.3	17.3
2 1	6 48.30	+16 54.0	1.297	2.204	13.0	17.6
2 11	6 43.69	+17 11.5	1.385	2.224	17.0	17.9
422168 2014 RN_{16}			1 7.6	100.°52	2.°4/ 8.3	18
12 3	7 40.54	+14 53.4	2.016	2.805	14.3	21.4
12 13	7 34.67	+14 49.5	1.952	2.827	11.0	21.2
12 23	7 26.62	+14 54.1	1.911	2.849	7.3	21.0
1 2	7 17.10	+15 6.3	1.898	2.870	3.6	20.8
1 12	7 7.15	+15 24.3	1.914	2.890	2.9	20.8
1 22	6 57.82	+15 45.9	1.960	2.910	6.1	21.1
2 1	6 50.04	+16 9.4	2.034	2.930	9.7	21.3
2 11	6 44.51	+16 33.0	2.133	2.949	12.7	21.5
287757 2003 SS_{48}			1 7.6	61.°41	3.°0/ 8.2	17
12 3	7 41.96	+15 51.8	1.434	2.246	18.0	20.6
12 13	7 36.42	+15 28.4	1.381	2.268	13.8	20.4
12 23	7 27.99	+15 15.1	1.348	2.291	9.1	20.2
1 2	7 17.63	+15 11.4	1.341	2.314	4.5	20.0
1 12	7 6.77	+15 15.6	1.360	2.337	3.6	20.0
1 22	6 56.87	+15 25.9	1.407	2.361	7.7	20.3
2 1	6 49.15	+15 40.1	1.480	2.384	12.0	20.6
2 11	6 44.38	+15 56.4	1.575	2.407	15.7	20.9
55347 2001 SH_{142}			1 7.6	168.°84	2.°4/ 8.7	18
12 3	7 31.46	+11 51.4	3.428	4.199	9.3	20.2
12 13	7 27.19	+11 42.7	3.338	4.200	7.3	20.1
12 23	7 21.66	+11 40.3	3.274	4.201	5.1	19.9
1 2	7 15.28	+11 44.3	3.239	4.202	3.1	19.8
1 12	7 8.57	+11 54.1	3.234	4.203	2.6	19.7
1 22	7 2.08	+12 8.7	3.260	4.204	4.3	19.9
2 1	6 56.36	+12 26.9	3.316	4.205	6.5	20.0
2 11	6 51.84	+12 47.5	3.398	4.205	8.6	20.2
233554 2007 MF_{24}			1 7.6	69.°21	3.°7/ 6.5	18
12 3	7 40.01	+31 23.6	2.087	2.895	13.2	20.3
12 13	7 34.63	+32 6.9	2.021	2.907	10.2	20.1
12 23	7 26.78	+32 47.7	1.978	2.919	6.9	19.9
1 2	7 17.22	+33 20.6	1.963	2.931	4.1	19.8
1 12	7 7.07	+33 41.7	1.976	2.943	4.3	19.8
1 22	6 57.52	+33 49.2	2.019	2.955	7.1	20.0
2 1	6 49.67	+33 43.8	2.089	2.968	10.3	20.2
2 11	6 44.27	+33 28.0	2.182	2.980	13.1	20.4
408283 2013 GE_4			1 7.6	217.°04	0.°8/ 7.4	18
12 3	7 41.64	+23 26.8	1.985	2.788	14.0	22.0
12 13	7 36.02	+23 46.4	1.895	2.782	10.7	21.8
12 23	7 27.80	+24 9.4	1.828	2.775	6.8	21.5
1 2	7 17.66	+24 32.3	1.789	2.767	2.6	21.2
1 12	7 6.68	+24 51.8	1.779	2.759	2.2	21.2
1 22	6 56.11	+25 5.4	1.799	2.750	6.5	21.5
2 1	6 47.14	+25 12.5	1.847	2.741	10.6	21.7
2 11	6 40.67	+25 13.8	1.919	2.731	14.1	21.9
238388 2004 DZ_{51}			1 7.6	244.°17	5.°9/10.3	17
12 3	7 33.78	− 1 28.1	3.224	3.935	11.0	21.8
12 13	7 29.09	− 1 45.1	3.114	3.916	9.4	21.7
12 23	7 22.97	− 1 49.0	3.027	3.897	7.7	21.5
1 2	7 15.81	− 1 38.3	2.967	3.877	6.3	21.4
1 12	7 8.16	− 1 12.5	2.936	3.857	5.9	21.3
1 22	7 0.64	− 0 32.5	2.934	3.836	6.7	21.4
2 1	6 53.86	+ 0 19.2	2.961	3.815	8.4	21.4
2 11	6 48.35	+ 1 19.7	3.013	3.793	10.3	21.5

185743 1999 FP_{74} 1 7.6 138.°44 6.°4/ 9.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.07	+ 3 5.7	2.129	2.882	14.8	20.8
12 13	7 32.08	+ 2 42.9	2.051	2.889	12.2	20.6
12 23	7 25.05	+ 2 36.3	1.995	2.895	9.4	20.4
1 2	7 16.60	+ 2 47.7	1.964	2.902	7.1	20.3
1 12	7 7.60	+ 3 16.7	1.962	2.908	6.4	20.3
1 22	6 59.00	+ 4 1.3	1.987	2.914	7.9	20.4
2 1	6 51.70	+ 4 57.5	2.041	2.919	10.5	20.5
2 11	6 46.40	+ 6 0.8	2.118	2.924	13.1	20.7

210490 1997 CN_{11} 1 7.6 281.°49 0.°4/ 7.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.11	+22 25.5	1.662	2.477	15.7	21.3
12 13	7 35.38	+22 37.6	1.570	2.464	12.1	21.1
12 23	7 27.68	+22 54.6	1.501	2.450	7.7	20.8
1 2	7 17.71	+23 13.3	1.458	2.436	2.9	20.4
1 12	7 6.68	+23 30.0	1.442	2.423	2.3	20.4
1 22	6 56.06	+23 42.0	1.455	2.409	7.4	20.7
2 1	6 47.26	+23 48.5	1.494	2.395	12.1	20.9
2 11	6 41.34	+23 50.0	1.555	2.382	16.1	21.1

232786 2004 QT_{13} 1 7.6 177.°62 1.°0/ 7.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 51.06	+27 48.8	1.894	2.686	15.0	19.8
12 13	7 43.01	+27 12.2	1.808	2.688	11.5	19.5
12 23	7 32.08	+26 30.5	1.746	2.690	7.4	19.3
1 2	7 19.17	+25 41.3	1.713	2.691	2.9	19.0
1 12	7 5.66	+24 44.1	1.711	2.691	2.3	19.0
1 22	6 52.98	+23 40.8	1.741	2.690	6.9	19.3
2 1	6 42.41	+22 35.1	1.800	2.689	11.0	19.5
2 11	6 34.79	+21 30.8	1.883	2.688	14.6	19.7

85659 1998 QU_{29} 1 7.6 34.°31 3.°7/ 8.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.33	+15 30.2	1.385	2.199	18.3	19.7
12 13	7 36.41	+14 54.4	1.311	2.200	14.3	19.4
12 23	7 28.31	+14 28.2	1.259	2.201	9.7	19.1
1 2	7 17.90	+14 12.2	1.230	2.203	5.1	18.9
1 12	7 6.60	+14 6.0	1.229	2.204	4.3	18.8
1 22	6 56.01	+14 8.3	1.253	2.206	8.5	19.1
2 1	6 47.58	+14 17.5	1.303	2.208	13.2	19.4
2 11	6 42.30	+14 31.4	1.374	2.210	17.3	19.6

74519 1999 FA_{34} 1 7.6 347.°74 10.°0/ 3.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 48.39	+52 8.4	2.316	3.068	13.8	18.4
12 13	7 41.95	+53 32.1	2.253	3.067	12.1	18.3
12 23	7 31.95	+54 40.8	2.211	3.066	10.7	18.2
1 2	7 19.27	+55 25.8	2.194	3.066	10.1	18.2
1 12	7 5.52	+55 41.3	2.202	3.066	10.4	18.2
1 22	6 52.55	+55 26.1	2.234	3.065	11.6	18.3
2 1	6 42.04	+54 43.5	2.290	3.065	13.2	18.4
2 11	6 35.05	+53 40.6	2.365	3.065	14.9	18.5

444089 2004 SH_{58} 1 7.6 81.°74 5.°0/ 6.5 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 48.18	+32 18.4	1.528	2.340	17.0	21.0
12 13	7 41.45	+33 14.1	1.479	2.366	13.1	20.8
12 23	7 31.33	+34 5.0	1.452	2.392	8.9	20.6
1 2	7 18.92	+34 43.1	1.451	2.418	5.5	20.5
1 12	7 5.92	+35 2.6	1.478	2.443	5.7	20.5
1 22	6 54.07	+35 1.9	1.533	2.468	9.0	20.8
2 1	6 44.83	+34 44.0	1.613	2.493	12.7	21.1
2 11	6 39.02	+34 14.3	1.715	2.517	15.9	21.3

82370 2001 MD_{14} 1 7.6 146.°35 0.°2/ 7.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 44.96	+22 4.0	1.906	2.703	14.7	21.1
12 13	7 38.38	+22 19.4	1.832	2.716	11.2	20.9
12 23	7 29.17	+22 38.7	1.782	2.727	7.1	20.7
1 2	7 18.14	+22 58.5	1.760	2.738	2.6	20.4
1 12	7 6.47	+23 15.7	1.768	2.748	2.1	20.4
1 22	6 55.43	+23 28.0	1.806	2.757	6.5	20.7
2 1	6 46.21	+23 35.2	1.872	2.765	10.5	20.9
2 11	6 39.60	+23 37.8	1.963	2.772	13.9	21.2

249850 2001 QC_{17} 1 7.6 44.°24 3.°2/ 8.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.42	+11 41.1	1.295	2.103	19.7	19.4
12 13	7 36.76	+12 14.5	1.261	2.146	15.1	19.2
12 23	7 28.15	+13 5.2	1.248	2.188	10.0	19.0
1 2	7 17.69	+14 9.4	1.260	2.232	5.0	18.9
1 12	7 6.92	+15 20.9	1.298	2.275	3.7	18.9
1 22	6 57.33	+16 33.3	1.364	2.319	7.7	19.2
2 1	6 50.09	+17 41.5	1.455	2.362	11.9	19.6
2 11	6 45.89	+18 42.5	1.570	2.405	15.5	19.9

101181 1998 SZ_9 1 7.6 18.°74 16.°9/ 6.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 43.98	+ 0 37.3	1.063	1.851	24.4	17.5
12 13	7 38.81	− 3 22.7	1.014	1.857	21.3	17.3
12 23	7 29.97	− 7 2.3	0.985	1.865	18.6	17.2
1 2	7 18.52	−10 3.5	0.977	1.875	17.0	17.1
1 12	7 6.21	−12 12.6	0.991	1.885	17.2	17.2
1 22	6 54.92	−13 24.8	1.026	1.897	18.8	17.3
2 1	6 46.30	−13 44.8	1.079	1.911	21.2	17.5
2 11	6 41.34	−13 24.1	1.147	1.925	23.5	17.7

316576 2011 SS_{116} 1 7.6 112.°00 1.°0/ 7.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 44.73	+23 58.4	1.788	2.592	15.2	21.3
12 13	7 38.28	+24 16.8	1.724	2.611	11.5	21.1
12 23	7 29.12	+24 37.6	1.683	2.630	7.3	20.9
1 2	7 18.12	+24 56.8	1.670	2.648	2.7	20.6
1 12	7 6.55	+25 11.0	1.686	2.666	2.4	20.6
1 22	6 55.77	+25 18.4	1.732	2.682	6.8	20.9
2 1	6 46.95	+25 18.9	1.805	2.699	10.8	21.2
2 11	6 40.89	+25 14.1	1.901	2.714	14.1	21.5

423839 2006 QS_{16} 1 7.6 118.°17 2.°9/ 9.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 35.41	+ 9 57.0	2.848	3.614	11.1	21.2
12 13	7 30.33	+10 11.8	2.773	3.630	8.7	21.0
12 23	7 23.73	+10 36.2	2.721	3.646	6.1	20.9
1 2	7 16.09	+11 9.6	2.699	3.662	3.7	20.7
1 12	7 8.09	+11 50.2	2.707	3.677	3.0	20.7
1 22	7 0.41	+12 35.8	2.747	3.691	5.0	20.8
2 1	6 53.72	+13 24.0	2.816	3.706	7.5	21.0
2 11	6 48.54	+14 12.5	2.912	3.720	9.9	21.2

174376 2002 UU_{44} 1 7.6 77.°54 2.°1/ 8.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.63	+14 41.6	1.700	2.500	16.1	20.2
12 13	7 35.17	+15 4.4	1.641	2.523	12.4	20.0
12 23	7 27.15	+15 38.9	1.605	2.546	8.1	19.8
1 2	7 17.40	+16 22.5	1.594	2.569	3.7	19.6
1 12	7 7.12	+17 11.3	1.613	2.591	2.7	19.6
1 22	6 57.54	+18 1.3	1.660	2.613	6.7	19.9
2 1	6 49.78	+18 49.2	1.734	2.635	10.7	20.2
2 11	6 44.60	+19 32.8	1.833	2.657	14.1	20.4

333725 2009 TX_{39} 1 7.6 93.°48 4.°0/ 6.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 49.21	+28 16.5	1.430	2.245	17.8	20.6
12 13	7 42.40	+29 28.0	1.381	2.271	13.6	20.4
12 23	7 32.05	+30 39.7	1.353	2.298	8.9	20.2
1 2	7 19.25	+31 42.6	1.351	2.323	4.8	20.0
1 12	7 5.72	+32 29.0	1.378	2.348	5.0	20.1
1 22	6 53.32	+32 55.6	1.432	2.373	9.0	20.4
2 1	6 43.59	+33 3.8	1.512	2.396	13.1	20.7
2 11	6 37.45	+32 57.9	1.613	2.419	16.6	20.9

457771 2009 KD_{11} 1 7.6 114.°94 0.°3/ 7.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.85	+18 16.5	2.047	2.842	13.9	21.5
12 13	7 35.12	+19 4.7	1.976	2.858	10.6	21.3
12 23	7 27.07	+20 1.1	1.930	2.874	6.7	21.1
1 2	7 17.39	+21 2.0	1.912	2.890	2.5	20.9
1 12	7 7.10	+22 2.9	1.925	2.905	1.8	20.9
1 22	6 57.31	+22 59.6	1.968	2.920	6.0	21.2
2 1	6 49.05	+23 49.6	2.040	2.934	9.7	21.4
2 11	6 43.08	+24 31.9	2.136	2.947	12.9	21.7

121006 1999 AG_1 1 7.6 240.°52 0.°1/ 7.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.37	+21 34.8	1.733	2.541	15.5	21.1
12 13	7 36.95	+21 39.1	1.641	2.530	11.9	20.8
12 23	7 28.61	+21 48.0	1.572	2.519	7.6	20.5
1 2	7 18.07	+21 58.9	1.529	2.508	2.9	20.2
1 12	7 6.53	+22 8.7	1.515	2.496	2.2	20.1
1 22	6 55.41	+22 15.3	1.530	2.483	7.2	20.4
2 1	6 46.09	+22 18.1	1.571	2.470	11.7	20.7
2 11	6 39.58	+22 17.5	1.636	2.457	15.7	20.9

288961 Stasysgirėnas 1 7.6 146.°40 4.°9/ 5.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 43.35	+36 28.2	2.437	3.227	12.1	21.0
12 13	7 37.02	+37 18.7	2.365	3.236	9.5	20.8
12 23	7 28.28	+38 3.5	2.318	3.244	6.9	20.7
1 2	7 17.85	+38 37.2	2.299	3.252	5.1	20.6
1 12	7 6.79	+38 55.6	2.309	3.259	5.3	20.6
1 22	6 56.27	+38 57.3	2.349	3.266	7.4	20.8
2 1	6 47.36	+38 43.6	2.417	3.273	9.9	20.9
2 11	6 40.84	+38 17.8	2.508	3.279	12.3	21.1

111823 2002 DE_3 1 7.6 114.°44 16.°9/ 1.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	8 0.61	+49 7.0	1.155	1.952	22.3	19.4
12 13	7 55.11	+52 35.6	1.116	1.962	19.6	19.3
12 23	7 42.64	+55 45.3	1.096	1.972	17.6	19.2
1 2	7 23.88	+58 11.5	1.098	1.981	16.9	19.2
1 12	7 1.92	+59 35.7	1.121	1.990	17.8	19.3
1 22	6 41.35	+59 54.5	1.164	1.998	19.7	19.4
2 1	6 26.29	+59 19.2	1.225	2.007	22.0	19.6
2 11	6 18.66	+58 8.3	1.299	2.014	24.2	19.8

218655 2005 SS_{151} 1 7.6 109.°44 4.°1/ 8.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.83	+10 41.4	1.967	2.752	14.7	20.6
12 13	7 32.86	+10 27.9	1.891	2.759	11.7	20.4
12 23	7 25.66	+10 26.3	1.838	2.767	8.2	20.2
1 2	7 16.90	+10 37.0	1.810	2.774	5.0	20.0
1 12	7 7.56	+10 58.7	1.812	2.781	4.3	20.0
1 22	6 58.69	+11 29.3	1.842	2.788	6.9	20.2
2 1	6 51.28	+12 6.0	1.900	2.795	10.3	20.4
2 11	6 46.05	+12 45.6	1.982	2.801	13.4	20.6

490654 2010 FD_{101} 1 7.6 0.°59 4.°8/ 8.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 33.10	+15 40.6	0.946	1.800	21.8	20.2
12 13	7 31.24	+14 49.0	0.885	1.795	17.1	19.9
12 23	7 25.57	+14 9.5	0.841	1.793	11.7	19.6
1 2	7 17.05	+13 44.9	0.818	1.792	6.4	19.3
1 12	7 7.43	+13 35.6	0.817	1.793	5.4	19.3
1 22	6 58.69	+13 40.4	0.837	1.797	10.2	19.5
2 1	6 52.61	+13 56.0	0.879	1.802	15.7	19.9
2 11	6 50.31	+14 18.3	0.938	1.810	20.5	20.2

58378 1995 SO_{27} 1 7.7 124.°72 3.°1/ 8.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.50	+11 32.9	2.484	3.256	12.4	20.4
12 13	7 32.83	+11 25.6	2.411	3.273	9.7	20.2
12 23	7 25.38	+11 27.4	2.363	3.291	6.7	20.1
1 2	7 16.74	+11 38.0	2.343	3.307	4.0	19.9
1 12	7 7.70	+11 56.2	2.353	3.323	3.3	19.9
1 22	6 59.10	+12 20.3	2.394	3.339	5.6	20.1
2 1	6 51.71	+12 48.4	2.464	3.353	8.5	20.3
2 11	6 46.11	+13 18.5	2.560	3.368	11.1	20.5

143461 2003 BK_{89} 1 7.7 23.°13 7.°1/11.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 33.62	+ 0 6.9	1.971	2.724	15.8	19.5
12 13	7 29.67	+ 0 5.0	1.897	2.731	13.2	19.3
12 23	7 23.65	+ 0 24.1	1.844	2.738	10.4	19.2
1 2	7 16.17	+ 1 5.7	1.814	2.746	8.1	19.1
1 12	7 8.13	+ 2 8.5	1.812	2.755	7.1	19.0
1 22	7 0.50	+ 3 28.7	1.837	2.764	8.4	19.1
2 1	6 54.20	+ 5 0.7	1.889	2.774	10.9	19.3
2 11	6 49.93	+ 6 37.9	1.965	2.784	13.5	19.5

381648 2008 YL_{162} 1 7.7 86.°45 0.°1/ 7.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.88	+23 23.0	2.288	3.089	12.4	20.7
12 13	7 33.41	+23 12.0	2.210	3.096	9.4	20.5
12 23	7 25.88	+23 2.0	2.156	3.102	6.0	20.3
1 2	7 16.95	+22 51.5	2.131	3.109	2.2	20.1
1 12	7 7.55	+22 39.2	2.135	3.116	1.7	20.0
1 22	6 58.67	+22 24.5	2.170	3.122	5.5	20.3
2 1	6 51.19	+22 7.9	2.233	3.129	8.9	20.5
2 11	6 45.77	+21 50.0	2.322	3.136	11.9	20.7

280799 2005 TB_{56} 1 7.7 76.°80 1.°9/ 8.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 43.54	+16 47.3	1.367	2.181	18.6	21.0
12 13	7 37.89	+16 55.1	1.312	2.202	14.2	20.8
12 23	7 29.11	+17 14.0	1.279	2.224	9.2	20.6
1 2	7 18.19	+17 41.4	1.270	2.246	4.0	20.3
1 12	7 6.65	+18 13.2	1.288	2.267	2.9	20.3
1 22	6 56.08	+18 45.8	1.333	2.289	7.7	20.7
2 1	6 47.83	+19 16.6	1.405	2.310	12.4	21.0
2 11	6 42.75	+19 44.0	1.498	2.331	16.3	21.3

521004 2015 BT_{547} 1 7.7 95.°63 3.°6/ 6.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 43.50	+32 37.2	2.384	3.177	12.2	21.0
12 13	7 36.87	+33 18.5	2.328	3.205	9.4	20.9
12 23	7 28.03	+33 55.7	2.296	3.232	6.4	20.7
1 2	7 17.72	+34 24.1	2.294	3.259	4.0	20.6
1 12	7 7.01	+34 40.3	2.322	3.285	4.1	20.7
1 22	6 56.96	+34 43.3	2.379	3.310	6.5	20.9
2 1	6 48.55	+34 34.2	2.466	3.335	9.3	21.1
2 11	6 42.42	+34 15.8	2.576	3.360	11.7	21.3

306418 1998 KK_{56} 1 7.7 289.°19 0.°4/ 7.4 15

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.42	+20 21.2	2.791	3.576	10.8	21.9
12 13	7 34.01	+21 14.3	2.656	3.534	8.4	21.6
12 23	7 26.52	+22 15.1	2.548	3.491	5.4	21.4
1 2	7 17.33	+23 20.7	2.470	3.448	2.0	21.1
1 12	7 7.15	+24 27.2	2.424	3.403	1.7	21.0
1 22	6 56.83	+25 30.9	2.411	3.359	5.3	21.2
2 1	6 47.32	+26 28.7	2.429	3.313	8.8	21.3
2 11	6 39.47	+27 19.2	2.473	3.267	11.8	21.5

322168 2010 XB_{13} 1 7.7 102.°06 0.°5/ 7.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.35	+21 56.0	1.884	2.691	14.5	21.0
12 13	7 34.99	+22 25.1	1.813	2.702	11.0	20.8
12 23	7 27.11	+22 59.2	1.765	2.713	6.9	20.6
1 2	7 17.46	+23 34.5	1.745	2.724	2.5	20.4
1 12	7 7.18	+24 7.4	1.755	2.735	2.1	20.4
1 22	6 57.46	+24 34.8	1.793	2.745	6.4	20.7
2 1	6 49.44	+24 55.5	1.859	2.755	10.3	20.9
2 11	6 43.91	+25 9.7	1.949	2.766	13.7	21.1

368006 2012 FQ_{56} 1 7.7 175.°36 1.°2/ 7.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.14	+24 36.7	1.966	2.774	13.9	21.3
12 13	7 34.87	+24 58.7	1.885	2.774	10.6	21.1
12 23	7 27.08	+25 23.1	1.828	2.775	6.7	20.8
1 2	7 17.48	+25 46.3	1.798	2.775	2.7	20.6
1 12	7 7.16	+26 4.8	1.797	2.776	2.4	20.6
1 22	6 57.34	+26 16.5	1.825	2.776	6.5	20.8
2 1	6 49.14	+26 20.8	1.881	2.776	10.4	21.1
2 11	6 43.41	+26 18.9	1.961	2.775	13.7	21.3

413056 2001 RA_{87} 1 7.7 133.°30 0.°5/ 7.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.03	+23 13.9	2.480	3.269	11.9	22.2
12 13	7 35.59	+23 27.9	2.407	3.287	9.0	22.0
12 23	7 27.17	+23 43.6	2.360	3.305	5.7	21.8
1 2	7 17.43	+23 58.7	2.343	3.321	2.1	21.6
1 12	7 7.25	+24 10.7	2.357	3.336	1.7	21.6
1 22	6 57.58	+24 18.4	2.402	3.351	5.2	21.9
2 1	6 49.29	+24 21.5	2.477	3.365	8.4	22.1
2 11	6 43.02	+24 20.6	2.577	3.378	11.2	22.3

178641 2000 JZ_{69} 1 7.7 166.°32 3.°3/ 9.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.32	+ 9 50.4	2.511	3.277	12.4	20.9
12 13	7 32.82	+10 1.6	2.425	3.283	9.8	20.7
12 23	7 25.48	+10 23.9	2.363	3.288	6.9	20.6
1 2	7 16.84	+10 56.7	2.330	3.292	4.2	20.4
1 12	7 7.67	+11 38.3	2.327	3.296	3.4	20.4
1 22	6 58.82	+12 26.1	2.355	3.299	5.7	20.5
2 1	6 51.10	+13 17.2	2.412	3.301	8.6	20.7
2 11	6 45.15	+14 9.0	2.496	3.303	11.3	20.9

108287 2001 HT_{61} 1 7.7 175.°82 4.°8/ 8.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.29	+11 59.8	1.483	2.284	18.0	20.3
12 13	7 36.24	+11 26.7	1.406	2.285	14.3	20.0
12 23	7 28.20	+11 6.4	1.351	2.285	10.0	19.8
1 2	7 17.95	+11 0.2	1.319	2.286	6.0	19.6
1 12	7 6.81	+11 7.8	1.315	2.286	5.2	19.5
1 22	6 56.28	+11 27.2	1.337	2.286	8.6	19.7
2 1	6 47.72	+11 55.5	1.385	2.285	12.9	20.0
2 11	6 42.10	+12 29.1	1.455	2.285	16.8	20.2

492175 2013 PG_{74} 1 7.7 167.°60 6.°6/10.8 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.46	− 1 45.4	2.701	3.416	12.8	22.5
12 13	7 31.27	− 2 1.6	2.616	3.421	10.9	22.3
12 23	7 24.43	− 2 1.9	2.553	3.425	8.8	22.2
1 2	7 16.44	− 1 44.7	2.517	3.429	7.2	22.1
1 12	7 7.99	− 1 10.0	2.508	3.432	6.6	22.1
1 22	6 59.84	− 0 19.5	2.529	3.435	7.5	22.1
2 1	6 52.68	+ 0 43.3	2.578	3.437	9.3	22.3
2 11	6 47.12	+ 1 54.3	2.653	3.438	11.4	22.4

353266 2010 EX_{112} 1 7.7 256.°13 1.°0/ 7.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.12	+19 5.7	1.667	2.476	15.9	21.9
12 13	7 36.15	+19 12.9	1.574	2.463	12.3	21.7
12 23	7 28.22	+19 27.9	1.503	2.449	8.0	21.4
1 2	7 18.01	+19 48.3	1.458	2.435	3.2	21.1
1 12	7 6.72	+20 11.2	1.441	2.421	2.4	21.0
1 22	6 55.80	+20 33.6	1.452	2.407	7.3	21.3
2 1	6 46.64	+20 53.5	1.490	2.392	12.1	21.5
2 11	6 40.32	+21 10.3	1.551	2.377	16.1	21.7

284007 2004 TT_{128} 1 7.7 70.°08 1.°2/ 7.4 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 44.17	+23 24.1	1.407	2.227	17.8	20.9
12 13	7 38.43	+23 52.4	1.354	2.250	13.4	20.7
12 23	7 29.48	+24 24.9	1.323	2.273	8.5	20.5
1 2	7 18.35	+24 56.5	1.317	2.295	3.2	20.2
1 12	7 6.60	+25 22.3	1.338	2.318	2.8	20.2
1 22	6 55.87	+25 39.6	1.387	2.340	7.8	20.6
2 1	6 47.55	+25 48.0	1.461	2.363	12.3	20.9
2 11	6 42.46	+25 49.1	1.558	2.385	16.1	21.2

142023 2002 QY_2 1 7.7 81.°90 0.°6/ 7.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.37	+20 26.9	1.692	2.500	15.8	20.3
12 13	7 36.55	+20 27.4	1.631	2.520	12.0	20.1
12 23	7 28.07	+20 33.2	1.593	2.540	7.6	19.9
1 2	7 17.80	+20 41.7	1.581	2.559	2.9	19.6
1 12	7 7.01	+20 50.5	1.598	2.579	2.1	19.6
1 22	6 57.02	+20 57.7	1.644	2.598	6.7	20.0
2 1	6 48.96	+21 2.7	1.716	2.617	10.8	20.2
2 11	6 43.61	+21 5.6	1.812	2.635	14.3	20.5

186849 2004 GK_{22} 1 7.7 322.°84 11.°2/10.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 35.62	− 3 10.0	1.681	2.427	18.4	20.2
12 13	7 31.67	− 4 27.7	1.601	2.419	16.0	20.0
12 23	7 25.20	− 5 23.9	1.540	2.411	13.6	19.8
1 2	7 16.85	− 5 52.4	1.500	2.404	11.7	19.7
1 12	7 7.66	− 5 49.7	1.484	2.397	11.2	19.6
1 22	6 58.84	− 5 16.2	1.493	2.390	12.3	19.7
2 1	6 51.56	− 4 16.2	1.525	2.384	14.5	19.8
2 11	6 46.70	− 2 57.1	1.577	2.378	17.1	20.0

496866 2000 JO_5 1 7.7 262.°81 3.°5/ 6.2 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.26	+31 18.9	2.508	3.307	11.5	21.5
12 13	7 34.05	+32 10.3	2.408	3.289	8.9	21.3
12 23	7 26.56	+33 1.2	2.333	3.271	6.1	21.1
1 2	7 17.34	+33 46.7	2.286	3.253	3.8	20.9
1 12	7 7.27	+34 22.4	2.270	3.234	4.1	20.9
1 22	6 57.41	+34 45.5	2.283	3.215	6.7	21.0
2 1	6 48.80	+34 55.5	2.324	3.195	9.7	21.2
2 11	6 42.30	+34 54.0	2.390	3.176	12.4	21.3

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
364381	2006 VT_{28}		1 7.7	117.°98	1.°5/ 7.2	18
	h m	° ′			°	m
12 3	7 42.48	+25 38.7	2.025	2.828	13.7	21.5
12 13	7 36.43	+26 2.5	1.956	2.843	10.4	21.3
12 23	7 27.95	+26 27.3	1.911	2.857	6.6	21.1
1 2	7 17.78	+26 49.3	1.894	2.871	2.7	20.9
1 12	7 7.05	+27 5.2	1.907	2.884	2.6	20.9
1 22	6 56.96	+27 13.2	1.949	2.898	6.3	21.1
2 1	6 48.56	+27 13.3	2.020	2.910	10.0	21.4
2 11	6 42.62	+27 7.0	2.114	2.922	13.1	21.6
399489	2002 TO_{55}		1 7.7	72.°76	6.°0/ 9.7	16
12 3	7 39.37	+ 6 14.6	1.670	2.449	17.2	21.1
12 13	7 34.20	+ 5 58.4	1.612	2.470	13.9	20.9
12 23	7 26.56	+ 6 0.2	1.574	2.492	10.2	20.7
1 2	7 17.27	+ 6 21.0	1.561	2.514	7.0	20.6
1 12	7 7.46	+ 6 59.0	1.576	2.536	6.1	20.6
1 22	6 58.35	+ 7 50.7	1.618	2.558	8.2	20.8
2 1	6 50.99	+ 8 51.0	1.686	2.579	11.5	21.0
2 11	6 46.11	+ 9 55.0	1.778	2.600	14.6	21.2
75441	1999 XB_{129}		1 7.7	193.°74	3.°9/ 6.8	18
12 3	7 46.78	+30 32.0	1.694	2.502	15.8	18.6
12 13	7 40.55	+31 11.6	1.614	2.500	12.2	18.4
12 23	7 31.02	+31 49.6	1.556	2.499	8.2	18.1
1 2	7 19.04	+32 19.1	1.525	2.496	4.6	17.9
1 12	7 6.05	+32 34.4	1.523	2.493	4.7	17.9
1 22	6 53.71	+32 33.0	1.548	2.489	8.5	18.1
2 1	6 43.56	+32 16.5	1.601	2.485	12.5	18.3
2 11	6 36.65	+31 48.8	1.675	2.480	16.1	18.6
135288	2001 SF_{154}		1 7.7	117.°51	0.°3/ 7.6	18
12 3	7 37.44	+22 36.1	2.639	3.434	11.1	21.2
12 13	7 32.10	+22 49.9	2.564	3.447	8.4	21.0
12 23	7 24.98	+23 6.0	2.515	3.460	5.3	20.8
1 2	7 16.66	+23 22.4	2.494	3.472	1.9	20.6
1 12	7 7.92	+23 36.9	2.504	3.484	1.6	20.6
1 22	6 59.59	+23 48.3	2.545	3.496	4.9	20.9
2 1	6 52.44	+23 55.8	2.615	3.507	7.9	21.1
2 11	6 47.07	+23 59.7	2.711	3.518	10.5	21.3
323133	2003 BB_{72}		1 7.7	279.°79	0.°1/ 7.6	18
12 3	7 41.99	+23 59.9	1.939	2.744	14.2	20.3
12 13	7 36.49	+23 42.1	1.835	2.722	10.9	20.1
12 23	7 28.28	+23 24.2	1.753	2.700	7.0	19.8
1 2	7 18.02	+23 4.3	1.699	2.678	2.6	19.5
1 12	7 6.81	+22 40.9	1.675	2.655	2.1	19.4
1 22	6 55.94	+22 13.5	1.680	2.633	6.7	19.6
2 1	6 46.68	+21 43.2	1.713	2.610	11.0	19.8
2 11	6 39.99	+21 11.9	1.769	2.587	14.8	20.0
149395	2003 AM_{37}		1 7.7	31.°08	1.°5/ 7.9	18
12 3	7 39.93	+19 46.7	1.561	2.377	16.5	19.7
12 13	7 35.04	+19 21.6	1.490	2.383	12.7	19.5
12 23	7 27.31	+19 1.4	1.442	2.389	8.2	19.3
1 2	7 17.60	+18 45.4	1.419	2.396	3.4	19.0
1 12	7 7.21	+18 32.3	1.423	2.403	2.6	19.0
1 22	6 57.55	+18 21.6	1.456	2.411	7.2	19.3
2 1	6 49.86	+18 12.8	1.514	2.419	11.7	19.5
2 11	6 44.98	+18 5.8	1.594	2.427	15.5	19.8
334179	2001 SO_{142}		1 7.7	106.°18	0.°7/ 7.9	18
12 3	7 37.38	+19 47.8	2.527	3.320	11.6	20.8
12 13	7 32.07	+19 49.0	2.453	3.334	8.8	20.7
12 23	7 24.97	+19 54.1	2.404	3.348	5.6	20.5
1 2	7 16.65	+20 1.5	2.384	3.361	2.2	20.3
1 12	7 7.94	+20 9.8	2.395	3.375	1.6	20.2
1 22	6 59.66	+20 17.7	2.436	3.388	5.0	20.5
2 1	6 52.60	+20 24.3	2.506	3.400	8.1	20.7
2 11	6 47.34	+20 29.6	2.601	3.413	10.8	20.9
334440	2002 JL_{19}		1 7.7	262.°58	2.°1/ 6.9	18
12 3	7 38.96	+26 8.6	2.169	2.975	12.8	20.7
12 13	7 34.00	+26 52.5	2.074	2.962	9.8	20.5
12 23	7 26.62	+27 39.3	2.003	2.949	6.4	20.2
1 2	7 17.39	+28 24.5	1.960	2.936	2.9	20.0
1 12	7 7.30	+29 3.8	1.947	2.922	3.0	20.0
1 22	6 57.48	+29 33.9	1.963	2.909	6.6	20.2
2 1	6 49.05	+29 53.6	2.007	2.895	10.2	20.4
2 11	6 42.91	+30 3.7	2.076	2.881	13.4	20.6
309242	2007 RN_{24}		1 7.7	70.°06	3.°6/ 8.5	18
12 3	7 41.15	+14 15.4	1.507	2.313	17.5	20.6
12 13	7 35.88	+13 51.5	1.446	2.329	13.6	20.4
12 23	7 27.79	+13 38.7	1.405	2.345	9.2	20.2
1 2	7 17.76	+13 37.2	1.390	2.361	4.9	20.0
1 12	7 7.14	+13 45.5	1.402	2.377	4.0	20.0
1 22	6 57.31	+14 1.5	1.441	2.393	7.7	20.2
2 1	6 49.49	+14 22.6	1.506	2.409	11.9	20.5
2 11	6 44.51	+14 46.4	1.594	2.425	15.6	20.8

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
89402	2001 WG_4		1 7.7	87.°91	4.°3/ 8.9	18
	h m	° ′			°	m
12 3	7 39.99	+10 43.2	1.953	2.734	15.0	19.1
12 13	7 34.34	+10 15.6	1.890	2.756	11.8	18.9
12 23	7 26.51	+ 9 59.5	1.850	2.777	8.3	18.7
1 2	7 17.24	+ 9 55.3	1.837	2.799	5.2	18.6
1 12	7 7.55	+10 2.4	1.853	2.820	4.5	18.6
1 22	6 58.48	+10 19.2	1.898	2.840	6.9	18.8
2 1	6 50.97	+10 43.2	1.970	2.861	10.1	19.0
2 11	6 45.69	+11 11.6	2.066	2.881	13.1	19.2
459217	2012 DN_{87}		1 7.7	315.°78	9.°6/ 9.9	18
12 3	7 35.55	+ 0 26.6	1.658	2.422	17.9	21.3
12 13	7 31.70	− 0 35.9	1.573	2.410	15.3	21.0
12 23	7 25.29	− 1 18.8	1.507	2.399	12.5	20.8
1 2	7 16.94	− 1 37.0	1.464	2.388	10.3	20.7
1 12	7 7.70	− 1 27.7	1.445	2.377	9.7	20.6
1 22	6 58.79	− 0 51.7	1.451	2.367	11.1	20.7
2 1	6 51.41	+ 0 6.7	1.481	2.357	13.9	20.8
2 11	6 46.51	+ 1 20.8	1.533	2.348	16.9	21.0
399296	2014 HE_{160}		1 7.7	191.°00	2.°7/ 8.5	18
12 3	7 41.94	+13 35.7	2.076	2.857	14.2	22.7
12 13	7 36.04	+13 40.6	1.985	2.856	11.1	22.5
12 23	7 27.79	+13 55.5	1.919	2.853	7.5	22.2
1 2	7 17.80	+14 19.7	1.880	2.850	3.9	22.0
1 12	7 7.07	+14 51.0	1.871	2.846	3.1	21.9
1 22	6 56.69	+15 26.8	1.892	2.842	6.4	22.1
2 1	6 47.75	+16 4.5	1.942	2.836	10.1	22.4
2 11	6 41.05	+16 41.9	2.017	2.829	13.5	22.6
31704	1999 JZ_{44}		1 7.7	291.°36	6.°7/ 9.0	18
12 3	7 35.30	+ 3 42.4	2.316	3.070	13.7	18.7
12 13	7 30.82	+ 2 44.0	2.218	3.054	11.5	18.6
12 23	7 24.39	+ 1 57.5	2.142	3.038	9.1	18.4
1 2	7 16.54	+ 1 25.9	2.092	3.023	7.2	18.2
1 12	7 8.04	+ 1 11.1	2.070	3.007	6.8	18.2
1 22	6 59.77	+ 1 13.3	2.076	2.992	8.3	18.2
2 1	6 52.59	+ 1 30.8	2.108	2.976	10.7	18.4
2 11	6 47.22	+ 2 0.3	2.164	2.961	13.2	18.5
350629	2001 SK_{317}		1 7.7	41.°55	1.°2/ 7.9	17
12 3	7 40.52	+18 22.6	1.131	1.966	20.3	20.8
12 13	7 36.22	+18 35.1	1.081	1.984	15.5	20.6
12 23	7 28.36	+18 59.0	1.051	2.002	9.9	20.4
1 2	7 18.05	+19 30.8	1.043	2.021	3.9	20.1
1 12	7 7.00	+20 5.6	1.061	2.042	2.8	20.1
1 22	6 57.05	+20 38.8	1.104	2.062	8.4	20.5
2 1	6 49.71	+21 7.8	1.170	2.083	13.6	20.8
2 11	6 45.89	+21 31.5	1.257	2.105	17.8	21.1
407394	2010 SO_{35}		1 7.7	28.°19	4.°1/ 7.1	18
12 3	7 41.25	+30 38.5	1.235	2.073	18.7	20.5
12 13	7 36.80	+31 1.6	1.186	2.088	14.4	20.3
12 23	7 28.72	+31 20.7	1.156	2.105	9.5	20.1
1 2	7 18.16	+31 29.2	1.150	2.124	5.1	19.9
1 12	7 6.94	+31 22.6	1.170	2.143	5.0	19.9
1 22	6 56.94	+31 0.5	1.214	2.164	9.2	20.2
2 1	6 49.67	+30 25.9	1.283	2.185	13.6	20.5
2 11	6 45.97	+29 43.7	1.372	2.207	17.4	20.8
503128	2015 FS_{366}		1 7.7	307.°07	5.°6/ 7.0	17
12 3	7 46.55	+40 1.5	2.185	2.972	13.4	20.8
12 13	7 39.81	+40 5.2	2.094	2.960	10.8	20.6
12 23	7 30.24	+39 58.0	2.026	2.948	8.0	20.4
1 2	7 18.69	+39 34.3	1.985	2.936	5.9	20.3
1 12	7 6.48	+38 51.1	1.973	2.925	5.9	20.3
1 22	6 55.01	+37 48.8	1.990	2.913	8.1	20.4
2 1	6 45.52	+36 31.4	2.035	2.902	11.0	20.5
2 11	6 38.86	+35 4.7	2.104	2.891	13.9	20.7
61365	2000 PW_{20}		1 7.7	165.°11	0.°9/ 7.9	18
12 3	7 42.46	+18 32.9	2.044	2.836	14.0	19.8
12 13	7 36.43	+18 46.3	1.963	2.843	10.7	19.6
12 23	7 28.01	+19 6.2	1.905	2.848	6.9	19.4
1 2	7 17.88	+19 30.4	1.876	2.853	2.8	19.1
1 12	7 7.08	+19 56.1	1.876	2.856	2.0	19.1
1 22	6 56.75	+20 20.9	1.907	2.859	6.1	19.4
2 1	6 47.97	+20 43.2	1.967	2.862	10.0	19.6
2 11	6 41.53	+21 2.3	2.051	2.863	13.3	19.8
76801	2000 PF_{24}		1 7.7	210.°54	5.°7/ 5.7	18
12 3	7 43.08	+42 5.3	2.789	3.565	11.1	18.4
12 13	7 36.78	+42 45.3	2.707	3.560	9.1	18.2
12 23	7 28.17	+43 16.8	2.649	3.556	7.1	18.1
1 2	7 17.92	+43 34.8	2.618	3.551	5.8	18.0
1 12	7 7.05	+43 35.7	2.616	3.546	6.0	18.0
1 22	6 56.67	+43 18.8	2.644	3.541	7.6	18.1
2 1	6 47.81	+42 45.5	2.698	3.535	9.7	18.2
2 11	6 41.22	+41 59.8	2.777	3.529	11.7	18.4

15238 Hisaohori 1 7.7 291.°85 2.°7/ 7.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 41.84	+26 16.4	1.431	2.257	17.2	18.4
12 13	7 37.29	+26 55.3	1.350	2.248	13.3	18.1
12 23	7 29.26	+27 38.0	1.290	2.240	8.6	17.8
1 2	7 18.52	+28 18.1	1.254	2.231	3.9	17.5
1 12	7 6.55	+28 49.3	1.246	2.223	3.9	17.5
1 22	6 55.13	+29 7.4	1.264	2.214	8.7	17.7
2 1	6 45.95	+29 12.0	1.307	2.206	13.6	18.0
2 11	6 40.21	+29 5.4	1.370	2.198	17.8	18.2

340637 2006 QB_{155} 1 7.7 159.°91 2.°6/ 8.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 35.49	+12 23.2	3.014	3.785	10.4	22.0
12 13	7 30.41	+12 11.2	2.929	3.791	8.2	21.8
12 23	7 23.85	+12 6.0	2.868	3.796	5.7	21.6
1 2	7 16.28	+12 7.5	2.837	3.801	3.3	21.5
1 12	7 8.33	+12 15.1	2.836	3.806	2.8	21.5
1 22	7 0.68	+12 27.8	2.866	3.810	4.8	21.6
2 1	6 53.94	+12 44.4	2.926	3.814	7.3	21.8
2 11	6 48.65	+13 3.4	3.012	3.817	9.7	21.9

424689 2008 RW_{130} 1 7.7 85.°50 1.°5/ 7.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.10	+25 15.2	2.099	2.906	13.2	21.4
12 13	7 33.90	+25 44.2	2.027	2.916	10.0	21.2
12 23	7 26.39	+26 15.1	1.979	2.926	6.4	21.0
1 2	7 17.27	+26 44.0	1.959	2.936	2.6	20.8
1 12	7 7.58	+27 7.7	1.968	2.945	2.5	20.8
1 22	6 58.41	+27 23.8	2.006	2.955	6.1	21.0
2 1	6 50.77	+27 32.1	2.073	2.965	9.7	21.3
2 11	6 45.41	+27 33.4	2.163	2.975	12.7	21.5

55766 1992 EL_6 1 7.7 297.°47 2.°6/ 8.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 34.63	+12 29.5	2.339	3.125	12.6	19.6
12 13	7 30.33	+12 45.5	2.245	3.117	9.9	19.4
12 23	7 24.10	+13 12.2	2.175	3.109	6.8	19.2
1 2	7 16.45	+13 48.6	2.132	3.102	3.6	18.9
1 12	7 8.18	+14 32.8	2.119	3.094	2.8	18.9
1 22	7 0.15	+15 21.9	2.136	3.087	5.7	19.0
2 1	6 53.24	+16 12.9	2.181	3.080	9.0	19.2
2 11	6 48.15	+17 3.3	2.252	3.072	12.0	19.4

426931 2013 XE_{11} 1 7.7 128.°51 2.°3/ 6.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 37.67	+26 52.6	2.343	3.147	12.0	20.3
12 13	7 32.78	+27 45.0	2.260	3.148	9.2	20.1
12 23	7 25.71	+28 39.2	2.203	3.148	6.0	19.9
1 2	7 17.06	+29 30.9	2.174	3.148	2.9	19.7
1 12	7 7.73	+30 15.8	2.175	3.149	3.1	19.7
1 22	6 58.74	+30 51.1	2.207	3.149	6.2	19.9
2 1	6 51.06	+31 15.6	2.266	3.149	9.4	20.1
2 11	6 45.47	+31 30.0	2.350	3.150	12.2	20.3

45989 2001 BA_{67} 1 7.7 235.°62 1.°4/ 7.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 41.46	+27 34.8	2.679	3.470	11.1	19.6
12 13	7 35.35	+27 33.5	2.576	3.456	8.5	19.4
12 23	7 27.19	+27 30.5	2.498	3.441	5.5	19.2
1 2	7 17.58	+27 23.5	2.449	3.425	2.4	19.0
1 12	7 7.36	+27 10.5	2.432	3.409	2.2	18.9
1 22	6 57.46	+26 51.0	2.446	3.393	5.3	19.1
2 1	6 48.79	+26 25.7	2.490	3.376	8.5	19.3
2 11	6 42.06	+25 56.2	2.560	3.358	11.4	19.5

257810 2000 FX_{12} 1 7.7 296.°40 6.°5/ 5.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 42.02	+33 42.4	1.674	2.490	15.6	19.7
12 13	7 37.46	+35 18.9	1.590	2.477	12.3	19.4
12 23	7 29.46	+36 55.8	1.528	2.464	9.0	19.2
1 2	7 18.67	+38 23.3	1.493	2.451	6.7	19.0
1 12	7 6.44	+39 31.9	1.485	2.438	7.3	19.0
1 22	6 54.53	+40 15.7	1.504	2.425	10.4	19.2
2 1	6 44.67	+40 34.2	1.548	2.413	14.0	19.4
2 11	6 38.18	+40 31.5	1.612	2.400	17.3	19.6

302887 2003 NN_4 1 7.7 129.°59 0.°8/ 7.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 44.66	+24 19.7	1.900	2.701	14.6	21.3
12 13	7 38.21	+24 25.4	1.829	2.715	11.1	21.1
12 23	7 29.15	+24 32.4	1.782	2.728	7.0	20.9
1 2	7 18.31	+24 37.7	1.762	2.740	2.6	20.6
1 12	7 6.90	+24 38.5	1.773	2.752	2.2	20.6
1 22	6 56.19	+24 33.7	1.813	2.764	6.5	20.9
2 1	6 47.32	+24 23.7	1.881	2.775	10.4	21.2
2 11	6 41.08	+24 10.0	1.973	2.785	13.7	21.4

485001 2009 VG_{37} 1 7.7 37.°12 6.°1/ 8.7 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.17	+12 2.9	1.096	1.921	21.4	20.7
12 13	7 35.99	+11 8.4	1.041	1.933	17.0	20.4
12 23	7 28.27	+10 29.9	1.005	1.945	12.0	20.2
1 2	7 18.07	+10 10.2	0.991	1.958	7.4	20.0
1 12	7 7.09	+10 9.6	1.001	1.972	6.4	20.0
1 22	6 57.12	+10 25.8	1.035	1.986	10.1	20.2
2 1	6 49.71	+10 54.5	1.091	2.001	14.7	20.5
2 11	6 45.80	+11 30.5	1.168	2.017	18.9	20.8

503735 2016 LG_{24} 1 7.7 234.°97 4.°9/ 9.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 34.83	+ 6 31.5	2.594	3.353	12.2	22.1
12 13	7 30.21	+ 6 0.2	2.502	3.348	10.0	22.0
12 23	7 23.89	+ 5 39.6	2.433	3.342	7.5	21.8
1 2	7 16.36	+ 5 31.0	2.391	3.337	5.5	21.7
1 12	7 8.33	+ 5 34.8	2.378	3.331	5.0	21.6
1 22	7 0.56	+ 5 50.1	2.395	3.325	6.5	21.7
2 1	6 53.79	+ 6 15.1	2.439	3.318	9.0	21.8
2 11	6 48.64	+ 6 47.1	2.509	3.312	11.4	22.0

110386 2001 TG_3 1 7.7 72.°53 0.°7/ 7.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 42.16	+20 4.6	1.748	2.553	15.5	20.0
12 13	7 36.29	+20 6.9	1.692	2.579	11.7	19.8
12 23	7 27.88	+20 14.5	1.658	2.604	7.4	19.6
1 2	7 17.82	+20 25.2	1.652	2.630	2.9	19.4
1 12	7 7.32	+20 36.3	1.675	2.655	2.1	19.4
1 22	6 57.62	+20 46.1	1.726	2.680	6.4	19.7
2 1	6 49.81	+20 53.8	1.805	2.705	10.4	20.0
2 11	6 44.59	+20 59.2	1.907	2.729	13.7	20.3

302938 2003 SX_{391} 1 7.7 102.°70 3.°4/ 6.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 43.72	+28 22.1	1.697	2.510	15.5	21.2
12 13	7 38.02	+29 15.7	1.632	2.522	11.9	21.0
12 23	7 29.31	+30 9.8	1.589	2.534	7.8	20.8
1 2	7 18.45	+30 57.8	1.573	2.546	4.1	20.6
1 12	7 6.80	+31 33.8	1.586	2.558	4.2	20.6
1 22	6 55.86	+31 54.9	1.626	2.569	7.9	20.9
2 1	6 47.01	+32 1.3	1.693	2.580	11.8	21.1
2 11	6 41.14	+31 55.9	1.783	2.591	15.2	21.4

313816 2004 BN_{99} 1 7.7 24.°37 0.°4/ 7.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 37.99	+19 5.8	1.444	2.267	17.2	20.1
12 13	7 33.93	+19 35.9	1.376	2.273	13.2	19.8
12 23	7 26.85	+20 16.0	1.329	2.279	8.4	19.6
1 2	7 17.58	+21 2.5	1.307	2.286	3.2	19.3
1 12	7 7.45	+21 50.1	1.312	2.293	2.3	19.3
1 22	6 57.97	+22 34.4	1.344	2.301	7.5	19.6
2 1	6 50.52	+23 12.4	1.401	2.309	12.2	19.9
2 11	6 46.06	+23 43.0	1.481	2.318	16.2	20.2

467464 2006 KF_{60} 1 7.7 327.°20 1.°7/ 8.3 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 35.05	+16 8.2	1.767	2.578	15.1	21.3
12 13	7 31.37	+16 27.6	1.675	2.564	11.7	21.1
12 23	7 25.14	+16 58.3	1.606	2.551	7.7	20.8
1 2	7 16.96	+17 38.5	1.562	2.538	3.4	20.5
1 12	7 7.87	+18 24.9	1.545	2.525	2.5	20.4
1 22	6 59.07	+19 13.6	1.557	2.513	6.8	20.7
2 1	6 51.77	+20 1.3	1.596	2.502	11.1	20.9
2 11	6 46.93	+20 45.3	1.657	2.491	14.9	21.1

331815 2003 SF_{249} 1 7.7 47.°84 1.°5/ 8.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.40	+17 25.8	1.738	2.547	15.4	20.1
12 13	7 33.49	+17 30.3	1.682	2.569	11.8	19.9
12 23	7 26.16	+17 43.0	1.647	2.592	7.6	19.7
1 2	7 17.21	+18 1.9	1.639	2.616	3.3	19.5
1 12	7 7.79	+18 24.4	1.660	2.639	2.4	19.5
1 22	6 59.09	+18 47.9	1.708	2.663	6.4	19.8
2 1	6 52.13	+19 10.5	1.784	2.687	10.3	20.1
2 11	6 47.62	+19 31.1	1.883	2.712	13.6	20.3

126279 2002 AU_{97} 1 7.7 328.°34 2.°4/ 7.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 41.30	+26 53.6	1.367	2.197	17.7	19.3
12 13	7 36.94	+27 10.4	1.289	2.189	13.6	19.0
12 23	7 29.05	+27 28.1	1.232	2.182	8.8	18.7
1 2	7 18.47	+27 41.6	1.198	2.176	3.9	18.4
1 12	7 6.76	+27 45.9	1.191	2.170	3.6	18.4
1 22	6 55.73	+27 38.8	1.211	2.164	8.7	18.7
2 1	6 47.06	+27 21.1	1.254	2.159	13.6	18.9
2 11	6 41.89	+26 56.0	1.319	2.154	17.9	19.2

116196 2003 XD_{13} 1 7.7 50.°50 0.°9/ 7.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 37.77	+18 40.9	1.867	2.675	14.5	19.9
12 13	7 32.96	+18 51.5	1.803	2.691	11.1	19.7
12 23	7 25.83	+19 8.9	1.762	2.708	7.1	19.5
1 2	7 17.10	+19 31.0	1.748	2.726	2.8	19.3
1 12	7 7.86	+19 55.1	1.763	2.743	2.0	19.3
1 22	6 59.23	+20 18.6	1.806	2.761	6.1	19.6
2 1	6 52.22	+20 39.9	1.877	2.779	9.9	19.8
2 11	6 47.54	+20 58.3	1.971	2.797	13.2	20.1

431440 2007 RN_{29} 1 7.7 108.°08 4.°6/ 9.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.57	+ 6 2.7	2.680	3.432	12.1	21.6
12 13	7 31.29	+ 5 38.9	2.611	3.453	9.8	21.5
12 23	7 24.43	+ 5 26.4	2.566	3.473	7.3	21.4
1 2	7 16.53	+ 5 25.9	2.548	3.492	5.3	21.3
1 12	7 8.30	+ 5 37.2	2.559	3.511	4.7	21.3
1 22	7 0.47	+ 5 58.8	2.601	3.530	6.1	21.4
2 1	6 53.70	+ 6 28.5	2.671	3.549	8.4	21.6
2 11	6 48.54	+ 7 3.8	2.767	3.566	10.6	21.7

467810 2010 CB_{110} 1 7.7 32.°43 1.°9/ 8.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.16	+15 42.4	1.771	2.579	15.2	20.7
12 13	7 31.92	+15 56.6	1.702	2.589	11.7	20.5
12 23	7 25.28	+16 21.1	1.656	2.600	7.7	20.3
1 2	7 16.94	+16 54.1	1.636	2.611	3.5	20.1
1 12	7 7.99	+17 32.5	1.644	2.623	2.5	20.0
1 22	6 59.59	+18 12.9	1.680	2.635	6.5	20.3
2 1	6 52.79	+18 52.6	1.743	2.648	10.4	20.6
2 11	6 48.38	+19 29.2	1.830	2.661	13.8	20.8

117173 2004 RK_{51} 1 7.7 68.°67 0.°9/ 7.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.42	+18 18.0	1.879	2.685	14.6	19.6
12 13	7 33.53	+18 37.5	1.809	2.696	11.1	19.4
12 23	7 26.25	+19 4.6	1.762	2.707	7.1	19.2
1 2	7 17.29	+19 37.0	1.742	2.719	2.8	19.0
1 12	7 7.74	+20 11.4	1.750	2.731	2.0	18.9
1 22	6 58.72	+20 44.7	1.788	2.742	6.2	19.2
2 1	6 51.30	+21 14.8	1.853	2.754	10.1	19.5
2 11	6 46.25	+21 40.8	1.942	2.766	13.5	19.7

283991 2004 SL_{30} 1 7.7 102.°20 0.°6/ 7.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 44.21	+22 34.6	1.627	2.437	16.2	20.8
12 13	7 38.23	+22 56.0	1.564	2.454	12.3	20.6
12 23	7 29.35	+23 21.9	1.523	2.470	7.8	20.3
1 2	7 18.45	+23 48.2	1.508	2.487	2.9	20.1
1 12	7 6.90	+24 10.7	1.523	2.503	2.3	20.1
1 22	6 56.15	+24 26.9	1.566	2.518	7.1	20.4
2 1	6 47.47	+24 36.3	1.635	2.534	11.4	20.7
2 11	6 41.72	+24 39.9	1.728	2.548	15.0	21.0

156619 2002 GL_{144} 1 7.7 174.°22 3.°3/ 6.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.66	+29 34.1	2.387	3.186	12.0	20.1
12 13	7 35.11	+30 39.6	2.305	3.188	9.2	19.9
12 23	7 27.26	+31 45.6	2.249	3.189	6.2	19.8
1 2	7 17.71	+32 46.6	2.222	3.190	3.6	19.6
1 12	7 7.40	+33 37.8	2.225	3.191	3.9	19.6
1 22	6 57.43	+34 15.9	2.258	3.192	6.7	19.8
2 1	6 48.83	+34 40.3	2.320	3.192	9.7	20.0
2 11	6 42.41	+34 52.3	2.406	3.191	12.4	20.2

339618 2005 OB_{24} 1 7.7 248.°33 5.°3/ 8.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.56	+10 47.3	1.442	2.243	18.4	20.8
12 13	7 35.90	+10 17.9	1.362	2.239	14.7	20.5
12 23	7 28.18	+10 3.2	1.303	2.236	10.5	20.3
1 2	7 18.14	+10 4.9	1.267	2.231	6.5	20.1
1 12	7 7.10	+10 22.6	1.258	2.227	5.6	20.0
1 22	6 56.57	+10 53.8	1.275	2.223	8.9	20.2
2 1	6 48.00	+11 34.5	1.317	2.219	13.3	20.4
2 11	6 42.44	+12 20.5	1.381	2.214	17.4	20.6

186181 2001 UK_{204} 1 7.7 166.°52 3.°2/ 6.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 41.64	+29 30.7	1.892	2.702	14.3	20.7
12 13	7 36.29	+30 5.8	1.814	2.702	11.0	20.4
12 23	7 28.18	+30 39.8	1.759	2.703	7.3	20.2
1 2	7 18.07	+31 7.6	1.731	2.703	3.9	20.0
1 12	7 7.17	+31 24.8	1.732	2.704	4.0	20.0
1 22	6 56.83	+31 29.1	1.761	2.704	7.4	20.2
2 1	6 48.30	+31 21.0	1.817	2.704	11.1	20.4
2 11	6 42.48	+31 3.4	1.896	2.704	14.4	20.7

296741 2009 TO_{34} 1 7.7 104.°42 0.°9/ 8.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.73	+18 22.1	2.053	2.852	13.7	21.1
12 13	7 33.60	+18 38.0	1.978	2.862	10.5	20.9
12 23	7 26.23	+19 0.7	1.927	2.872	6.7	20.7
1 2	7 17.29	+19 28.0	1.904	2.881	2.7	20.5
1 12	7 7.78	+19 57.3	1.910	2.890	1.9	20.4
1 22	6 58.75	+20 25.8	1.946	2.900	5.9	20.7
2 1	6 51.19	+20 51.9	2.010	2.909	9.6	21.0
2 11	6 45.84	+21 14.6	2.098	2.918	12.8	21.2

161182 2002 TO_{120} 1 7.7 122.°46 3.°0/ 6.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.81	+31 34.6	2.433	3.230	11.9	20.2
12 13	7 34.98	+31 56.2	2.358	3.238	9.1	20.0
12 23	7 27.01	+32 14.4	2.307	3.247	6.1	19.8
1 2	7 17.56	+32 25.6	2.285	3.254	3.5	19.7
1 12	7 7.61	+32 26.9	2.293	3.262	3.5	19.7
1 22	6 58.19	+32 17.5	2.332	3.270	6.2	19.9
2 1	6 50.23	+31 58.4	2.398	3.277	9.1	20.1
2 11	6 44.43	+31 31.8	2.489	3.284	11.7	20.3

54443 2000 MT_5 1 7.7 172.°18 7.°4/11.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.85	− 1 21.9	2.039	2.767	16.1	18.5
12 13	7 35.20	− 1 16.3	1.954	2.771	13.6	18.3
12 23	7 27.29	− 0 48.6	1.889	2.774	10.8	18.2
1 2	7 17.72	+ 0 3.0	1.850	2.776	8.3	18.0
1 12	7 7.45	+ 1 17.2	1.839	2.778	7.4	18.0
1 22	6 57.54	+ 2 49.9	1.857	2.779	8.7	18.1
2 1	6 49.01	+ 4 34.8	1.903	2.779	11.3	18.2
2 11	6 42.65	+ 6 24.9	1.975	2.779	14.0	18.4

260809 2005 OT_1 1 7.7 89.°00 3.°5/ 6.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 45.25	+26 39.6	1.940	2.741	14.3	20.3
12 13	7 38.90	+28 25.3	1.881	2.766	10.9	20.2
12 23	7 29.79	+30 13.9	1.848	2.790	7.1	20.0
1 2	7 18.67	+31 57.2	1.843	2.814	4.0	19.8
1 12	7 6.77	+33 27.2	1.870	2.837	4.4	19.9
1 22	6 55.43	+34 38.9	1.927	2.860	7.6	20.2
2 1	6 45.91	+35 31.2	2.012	2.883	11.0	20.4
2 11	6 39.10	+36 5.9	2.121	2.905	13.9	20.6

56777 2000 OC_{39} 1 7.7 125.°90 5.°3/ 9.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.47	+ 3 56.1	2.517	3.259	13.0	19.5
12 13	7 32.84	+ 3 38.9	2.446	3.279	10.6	19.4
12 23	7 25.49	+ 3 35.2	2.397	3.297	8.1	19.3
1 2	7 16.99	+ 3 45.8	2.376	3.315	6.0	19.2
1 12	7 8.09	+ 4 10.4	2.384	3.332	5.4	19.1
1 22	6 59.60	+ 4 46.9	2.422	3.348	6.7	19.3
2 1	6 52.27	+ 5 32.4	2.489	3.364	9.0	19.4
2 11	6 46.68	+ 6 23.4	2.581	3.378	11.3	19.6

194199 2001 TE_{88} 1 7.7 56.°79 2.°2/ 7.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 44.93	+26 28.1	1.268	2.096	18.9	20.8
12 13	7 39.46	+26 43.0	1.215	2.114	14.3	20.6
12 23	7 30.40	+26 58.4	1.182	2.133	9.2	20.3
1 2	7 18.90	+27 9.1	1.174	2.151	3.8	20.1
1 12	7 6.71	+27 10.4	1.192	2.170	3.5	20.1
1 22	6 55.71	+27 1.2	1.236	2.190	8.5	20.4
2 1	6 47.40	+26 43.1	1.305	2.209	13.2	20.8
2 11	6 42.66	+26 19.4	1.395	2.228	17.2	21.1

179928 2002 VJ_{69} 1 7.7 29.°94 1.°0/ 7.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.26	+24 15.9	1.141	1.982	19.7	19.1
12 13	7 36.02	+24 17.8	1.097	2.003	14.9	18.8
12 23	7 28.22	+24 22.8	1.072	2.026	9.4	18.6
1 2	7 18.08	+24 26.8	1.070	2.049	3.5	18.3
1 12	7 7.37	+24 26.2	1.094	2.074	2.8	18.4
1 22	6 57.90	+24 19.5	1.142	2.100	8.3	18.8
2 1	6 51.10	+24 7.6	1.214	2.127	13.3	19.1
2 11	6 47.78	+23 52.2	1.307	2.155	17.3	19.5

42822 1999 NT_{13} 1 7.7 123.°99 0.°3/ 7.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 47.15	+21 13.9	1.626	2.428	16.6	19.9
12 13	7 40.41	+21 15.2	1.560	2.446	12.6	19.7
12 23	7 30.72	+21 21.1	1.517	2.463	8.0	19.4
1 2	7 18.99	+21 28.6	1.501	2.479	3.0	19.2
1 12	7 6.63	+21 34.8	1.514	2.494	2.2	19.1
1 22	6 55.13	+21 38.1	1.556	2.509	7.1	19.5
2 1	6 45.78	+21 38.1	1.625	2.522	11.5	19.8
2 11	6 39.41	+21 35.7	1.717	2.535	15.2	20.0

360315 2001 SO_{141} 1 7.7 171.°26 1.°8/ 8.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.91	+15 58.9	2.424	3.207	12.4	22.5
12 13	7 34.18	+15 57.9	2.338	3.211	9.5	22.3
12 23	7 26.48	+16 3.6	2.277	3.215	6.3	22.1
1 2	7 17.40	+16 14.8	2.244	3.217	3.0	21.9
1 12	7 7.78	+16 30.1	2.242	3.220	2.3	21.9
1 22	6 58.53	+16 47.8	2.271	3.221	5.4	22.1
2 1	6 50.51	+17 6.6	2.329	3.222	8.7	22.3
2 11	6 44.40	+17 25.3	2.413	3.222	11.6	22.5

104291 2000 EU_{164} 1 7.7 186.°30 3.°2/ 8.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.03	+11 50.5	2.297	3.073	13.1	21.0
12 13	7 33.64	+11 44.9	2.208	3.073	10.4	20.8
12 23	7 26.21	+11 49.1	2.143	3.072	7.2	20.6
1 2	7 17.33	+12 3.0	2.105	3.071	4.2	20.4
1 12	7 7.84	+12 25.3	2.098	3.069	3.5	20.4
1 22	6 58.69	+12 54.1	2.120	3.067	6.1	20.5
2 1	6 50.77	+13 27.1	2.172	3.064	9.3	20.7
2 11	6 44.79	+14 2.0	2.248	3.060	12.3	20.9

165749 2001 QT_{187} 1 7.7 17.°71 5.°1/ 8.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 37.56	+12 2.1	1.802	2.597	15.5	18.4
12 13	7 32.85	+10 50.5	1.731	2.603	12.3	18.2
12 23	7 25.81	+ 9 47.5	1.682	2.610	8.9	18.0
1 2	7 17.17	+ 8 55.9	1.659	2.618	5.9	17.9
1 12	7 8.00	+ 8 17.4	1.663	2.627	5.4	17.8
1 22	6 59.41	+ 7 52.8	1.696	2.636	7.9	18.0
2 1	6 52.42	+ 7 41.2	1.755	2.646	11.2	18.2
2 11	6 47.74	+ 7 40.2	1.837	2.657	14.3	18.4

454003 2012 DH_7 1 7.7 197.°94 6.°1/ 6.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 47.09	+39 38.2	2.155	2.942	13.5	21.2
12 13	7 40.41	+40 18.7	2.075	2.940	10.9	21.0
12 23	7 30.80	+40 50.4	2.018	2.937	8.3	20.8
1 2	7 19.08	+41 6.7	1.989	2.935	6.4	20.7
1 12	7 6.57	+41 3.0	1.987	2.931	6.6	20.7
1 22	6 54.73	+40 38.3	2.015	2.928	8.7	20.8
2 1	6 44.89	+39 55.2	2.069	2.924	11.4	21.0
2 11	6 37.95	+38 59.1	2.146	2.919	14.1	21.2

426024 2011 LC_{23} 1 7.7 215.°63 3.°5/ 8.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 35.59	+10 33.2	2.445	3.220	12.4	21.4
12 13	7 30.94	+10 24.6	2.355	3.218	9.9	21.2
12 23	7 24.46	+10 25.9	2.288	3.215	7.0	21.1
1 2	7 16.68	+10 37.4	2.249	3.211	4.3	20.9
1 12	7 8.35	+10 58.2	2.240	3.208	3.7	20.8
1 22	7 0.31	+11 26.6	2.260	3.205	5.9	21.0
2 1	6 53.37	+12 0.3	2.309	3.201	8.8	21.1
2 11	6 48.17	+12 37.0	2.383	3.197	11.6	21.3

454579 2014 PW_{19} 1 7.7 249.°41 0.°8/ 7.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.23	+23 10.1	1.764	2.573	15.2	22.1
12 13	7 36.98	+23 27.3	1.671	2.561	11.7	21.9
12 23	7 28.82	+23 48.7	1.601	2.548	7.5	21.6
1 2	7 18.43	+24 10.7	1.557	2.535	2.8	21.3
1 12	7 7.00	+24 29.5	1.541	2.521	2.4	21.2
1 22	6 55.95	+24 42.4	1.555	2.507	7.2	21.5
2 1	6 46.65	+24 48.5	1.595	2.493	11.7	21.7
2 11	6 40.14	+24 48.6	1.658	2.478	15.6	21.9

166894 2002 YO_{32} 1 7.7 54.°42 1.°0/ 7.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.57	+24 32.8	2.047	2.856	13.4	19.9
12 13	7 33.51	+24 46.7	1.980	2.870	10.1	19.7
12 23	7 26.18	+25 2.4	1.936	2.884	6.4	19.5
1 2	7 17.31	+25 16.7	1.920	2.898	2.5	19.3
1 12	7 7.93	+25 27.0	1.933	2.912	2.1	19.3
1 22	6 59.14	+25 31.9	1.975	2.927	6.0	19.6
2 1	6 51.91	+25 31.0	2.045	2.941	9.6	19.8
2 11	6 46.95	+25 25.4	2.139	2.956	12.6	20.1

217789 2000 SE_{281} 1 7.7 71.°00 5.°1/ 9.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.82	+ 9 26.3	1.827	2.611	15.7	20.2
12 13	7 33.72	+ 8 50.9	1.762	2.627	12.5	20.0
12 23	7 26.32	+ 8 28.4	1.718	2.642	9.1	19.8
1 2	7 17.36	+ 8 20.0	1.701	2.658	6.0	19.6
1 12	7 7.90	+ 8 25.6	1.711	2.674	5.3	19.6
1 22	6 59.03	+ 8 43.5	1.749	2.690	7.6	19.8
2 1	6 51.76	+ 9 10.8	1.814	2.706	10.8	20.0
2 11	6 46.80	+ 9 44.1	1.902	2.722	13.9	20.3

166771 2002 VJ_{10} 1 7.7 349.°42 1.°6/ 7.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.70	+26 18.6	1.922	2.737	13.9	19.5
12 13	7 33.19	+26 30.1	1.840	2.733	10.6	19.3
12 23	7 26.18	+26 42.1	1.781	2.729	6.8	19.0
1 2	7 17.37	+26 51.3	1.749	2.726	2.9	18.8
1 12	7 7.85	+26 54.8	1.745	2.724	2.6	18.8
1 22	6 58.83	+26 51.2	1.770	2.721	6.6	19.0
2 1	6 51.42	+26 40.5	1.822	2.720	10.4	19.2
2 11	6 46.47	+26 24.2	1.897	2.718	13.8	19.5

116590 2004 BK_{100} 1 7.7 172.°68 1.°9/ 8.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.76	+15 56.6	1.983	2.778	14.3	20.5
12 13	7 34.52	+16 1.4	1.900	2.780	11.1	20.3
12 23	7 26.93	+16 14.9	1.841	2.781	7.3	20.1
1 2	7 17.64	+16 35.7	1.808	2.782	3.4	19.8
1 12	7 7.66	+17 1.6	1.805	2.783	2.5	19.8
1 22	6 58.11	+17 30.0	1.831	2.784	6.3	20.0
2 1	6 50.04	+17 58.8	1.885	2.784	10.1	20.3
2 11	6 44.26	+18 26.4	1.964	2.784	13.5	20.5

360786 2005 GJ_{6} 1 7.7 313.°86 0.°8/ 7.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.71	+22 12.1	1.495	2.319	16.7	21.0
12 13	7 34.76	+22 42.0	1.408	2.306	12.8	20.7
12 23	7 27.64	+23 19.4	1.343	2.294	8.2	20.4
1 2	7 18.06	+24 0.1	1.303	2.282	3.1	20.1
1 12	7 7.30	+24 38.8	1.289	2.270	2.6	20.0
1 22	6 56.94	+25 11.3	1.303	2.258	7.9	20.3
2 1	6 48.54	+25 35.3	1.342	2.247	12.8	20.6
2 11	6 43.24	+25 50.8	1.402	2.237	17.1	20.8

170504 2003 WF_{14} 1 7.7 222.°00 1.°0/ 7.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.31	+18 56.4	1.993	2.791	14.1	21.4
12 13	7 35.82	+18 58.2	1.900	2.783	10.9	21.2
12 23	7 27.85	+19 6.0	1.830	2.774	7.1	21.0
1 2	7 18.02	+19 18.0	1.788	2.765	2.9	20.7
1 12	7 7.37	+19 32.1	1.775	2.755	2.1	20.6
1 22	6 57.08	+19 46.1	1.792	2.745	6.3	20.8
2 1	6 48.28	+19 58.9	1.837	2.734	10.4	21.1
2 11	6 41.87	+20 9.8	1.906	2.723	13.9	21.3

445127 2008 UC_{323} 1 7.7 75.°04 0.°8/ 7.6 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 47.89	+24 7.8	1.440	2.253	17.8	21.2
12 13	7 41.08	+24 11.7	1.391	2.283	13.5	21.0
12 23	7 31.11	+24 17.6	1.365	2.313	8.5	20.8
1 2	7 19.11	+24 21.7	1.364	2.343	3.2	20.5
1 12	7 6.70	+24 20.5	1.392	2.372	2.5	20.6
1 22	6 55.48	+24 13.3	1.447	2.401	7.5	20.9
2 1	6 46.75	+24 1.0	1.529	2.429	11.9	21.3
2 11	6 41.27	+23 45.6	1.634	2.457	15.6	21.6

286465 2002 AO_{136} 1 7.7 93.°42 1.°3/ 8.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.96	+15 49.1	1.560	2.366	17.0	20.1
12 13	7 36.68	+16 29.1	1.495	2.380	13.1	19.9
12 23	7 28.50	+17 22.1	1.451	2.395	8.5	19.7
1 2	7 18.26	+18 24.3	1.433	2.409	3.5	19.4
1 12	7 7.25	+19 30.1	1.443	2.423	2.4	19.4
1 22	6 56.89	+20 34.2	1.482	2.437	7.1	19.7
2 1	6 48.51	+21 32.6	1.548	2.451	11.6	20.0
2 11	6 42.98	+22 23.2	1.637	2.464	15.4	20.3

329147 2011 YF_{31} 1 7.7 27.°51 1.°2/ 8.0 16

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.21	+18 35.4	1.336	2.164	18.1	20.9
12 13	7 34.23	+18 44.0	1.275	2.173	13.9	20.7
12 23	7 27.11	+19 2.3	1.233	2.183	8.9	20.5
1 2	7 17.77	+19 27.8	1.216	2.194	3.6	20.2
1 12	7 7.64	+19 56.4	1.225	2.205	2.5	20.1
1 22	6 58.30	+20 24.7	1.260	2.218	7.7	20.5
2 1	6 51.13	+20 50.2	1.320	2.231	12.5	20.8
2 11	6 47.07	+21 11.6	1.401	2.245	16.6	21.1

256562 2007 RS_{283} 1 7.7 168.°19 0.°2/ 7.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 43.85	+23 10.5	1.834	2.638	14.9	20.6
12 13	7 37.84	+23 7.7	1.754	2.641	11.4	20.3
12 23	7 29.13	+23 7.1	1.697	2.644	7.3	20.1
1 2	7 18.48	+23 6.0	1.668	2.646	2.7	19.8
1 12	7 7.12	+23 2.1	1.667	2.648	2.1	19.8
1 22	6 56.36	+22 54.3	1.696	2.649	6.7	20.1
2 1	6 47.41	+22 42.8	1.753	2.650	10.8	20.3
2 11	6 41.14	+22 28.8	1.833	2.650	14.4	20.5

140051 2001 SJ_{90} 1 7.7 215.°27 3.°2/ 9.0 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 35.48	+ 9 59.9	2.928	3.692	10.9	21.5
12 13	7 30.60	+ 9 52.0	2.829	3.684	8.7	21.3
12 23	7 24.15	+ 9 52.7	2.754	3.676	6.2	21.1
1 2	7 16.58	+10 2.2	2.708	3.667	3.9	20.9
1 12	7 8.52	+10 19.8	2.692	3.658	3.4	20.9
1 22	7 0.67	+10 44.3	2.707	3.648	5.2	21.0
2 1	6 53.70	+11 13.8	2.751	3.638	7.8	21.2
2 11	6 48.20	+11 46.5	2.822	3.627	10.2	21.3

345755 2007 EU_{64} 1 7.7 14.°84 3.°5/ 7.1 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 34.30	+25 59.2	0.803	1.676	22.7	19.7
12 13	7 32.94	+26 41.6	0.759	1.683	17.4	19.4
12 23	7 27.07	+27 28.3	0.732	1.692	11.2	19.2
1 2	7 17.89	+28 10.7	0.725	1.703	5.0	18.9
1 12	7 7.63	+28 40.4	0.738	1.717	4.9	18.9
1 22	6 58.72	+28 52.8	0.773	1.733	10.8	19.3
2 1	6 53.11	+28 48.8	0.828	1.751	16.4	19.7
2 11	6 51.85	+28 32.1	0.900	1.771	21.1	20.0

149992 2005 UC_{71} 1 7.7 175.°14 5.°1/ 6.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 44.68	+35 52.5	2.037	2.836	13.8	20.1
12 13	7 38.58	+36 29.0	1.960	2.837	10.9	19.9
12 23	7 29.65	+36 59.2	1.906	2.837	7.8	19.7
1 2	7 18.70	+37 17.2	1.879	2.838	5.4	19.6
1 12	7 6.99	+37 18.3	1.881	2.838	5.6	19.6
1 22	6 55.93	+37 1.5	1.911	2.838	8.1	19.7
2 1	6 46.79	+36 28.9	1.968	2.838	11.2	19.9
2 11	6 40.45	+35 44.9	2.049	2.838	14.1	20.1

429050 2009 DW_{21} 1 7.7 314.°72 0.°2/ 7.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.39	+21 57.6	2.220	3.026	12.6	21.6
12 13	7 31.89	+22 13.8	2.131	3.019	9.6	21.4
12 23	7 25.25	+22 33.9	2.066	3.013	6.1	21.1
1 2	7 17.05	+22 55.7	2.028	3.006	2.3	20.9
1 12	7 8.20	+23 16.5	2.020	3.000	1.8	20.8
1 22	6 59.67	+23 34.1	2.041	2.994	5.7	21.1
2 1	6 52.45	+23 47.5	2.090	2.988	9.3	21.3
2 11	6 47.28	+23 56.6	2.164	2.982	12.4	21.5

295838 2008 VS_{6} 1 7.7 316.°80 4.°9/ 8.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.47	+11 31.0	1.476	2.279	17.9	20.8
12 13	7 35.03	+11 2.8	1.397	2.276	14.3	20.5
12 23	7 27.62	+10 48.4	1.339	2.273	10.1	20.3
1 2	7 18.02	+10 49.1	1.305	2.271	6.1	20.0
1 12	7 7.48	+11 4.4	1.297	2.268	5.2	20.0
1 22	6 57.46	+11 31.9	1.316	2.266	8.6	20.2
2 1	6 49.34	+12 8.2	1.360	2.264	12.9	20.4
2 11	6 44.12	+12 49.2	1.426	2.262	16.8	20.6

17401 1985 RP_{3} 1 7.7 178.°03 1.°1/ 7.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 43.83	+24 15.3	2.056	2.854	13.7	19.2
12 13	7 37.66	+24 36.7	1.972	2.856	10.5	19.0
12 23	7 28.97	+25 0.5	1.913	2.858	6.7	18.8
1 2	7 18.44	+25 23.1	1.881	2.859	2.6	18.5
1 12	7 7.19	+25 40.9	1.880	2.859	2.3	18.5
1 22	6 56.41	+25 52.0	1.909	2.859	6.3	18.8
2 1	6 47.26	+25 56.0	1.966	2.857	10.2	19.0
2 11	6 40.57	+25 53.9	2.048	2.855	13.5	19.2

323487 2004 PV_{37} 1 7.7 206.°71 4.°1/ 9.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.51	+ 8 14.8	2.437	3.201	12.8	21.3
12 13	7 32.44	+ 8 12.9	2.342	3.196	10.3	21.1
12 23	7 25.48	+ 8 22.9	2.271	3.190	7.5	20.9
1 2	7 17.13	+ 8 45.1	2.227	3.184	4.9	20.8
1 12	7 8.17	+ 9 18.6	2.213	3.177	4.2	20.7
1 22	6 59.46	+10 1.1	2.229	3.170	6.2	20.8
2 1	6 51.85	+10 49.8	2.274	3.162	9.1	21.0
2 11	6 46.02	+11 41.6	2.345	3.154	11.9	21.2

428388 2007 RR_{301} 1 7.7 351.°82 5.°1/ 9.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 33.96	+ 9 35.8	1.859	2.651	15.2	20.7
12 13	7 30.26	+ 9 2.8	1.776	2.646	12.2	20.5
12 23	7 24.31	+ 8 42.2	1.715	2.641	8.9	20.3
1 2	7 16.73	+ 8 35.5	1.678	2.637	5.9	20.1
1 12	7 8.47	+ 8 43.0	1.670	2.634	5.2	20.0
1 22	7 0.60	+ 9 3.1	1.688	2.632	7.6	20.2
2 1	6 54.13	+ 9 33.2	1.732	2.630	10.9	20.4
2 11	6 49.85	+10 9.8	1.800	2.629	14.1	20.6

27367 2000 ER_{35} 1 7.7 118.°03 0.°9/ 8.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 43.55	+17 59.7	1.665	2.467	16.2	18.0
12 13	7 37.73	+18 24.2	1.597	2.482	12.4	17.8
12 23	7 29.10	+18 57.9	1.552	2.497	8.0	17.6
1 2	7 18.50	+19 37.4	1.534	2.511	3.2	17.3
1 12	7 7.19	+20 18.6	1.544	2.524	2.2	17.3
1 22	6 56.56	+20 57.7	1.583	2.537	6.9	17.6
2 1	6 47.84	+21 32.4	1.650	2.550	11.2	17.9
2 11	6 41.92	+22 1.6	1.740	2.562	14.9	18.2

82710 2001 PU_{44} 1 7.7 122.°24 1.°7/ 8.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.37	+15 32.6	2.547	3.333	11.7	19.5
12 13	7 31.44	+15 43.5	2.468	3.343	9.0	19.3
12 23	7 24.74	+16 1.4	2.414	3.352	6.0	19.1
1 2	7 16.82	+16 25.3	2.387	3.361	2.8	18.9
1 12	7 8.44	+16 53.2	2.391	3.369	2.1	18.9
1 22	7 0.41	+17 23.1	2.426	3.378	5.0	19.1
2 1	6 53.50	+17 53.1	2.490	3.386	8.1	19.3
2 11	6 48.32	+18 22.0	2.580	3.394	10.8	19.5

263973 2009 KL_{1} 1 7.7 98.°58 8.°8/ 3.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 52.32	+44 0.4	2.084	2.857	14.4	20.1
12 13	7 44.93	+46 4.5	2.038	2.883	12.0	20.0
12 23	7 34.01	+47 57.0	2.017	2.908	9.9	19.9
1 2	7 20.42	+49 27.4	2.023	2.932	8.8	19.9
1 12	7 5.73	+50 28.1	2.058	2.956	9.3	19.9
1 22	6 51.76	+50 56.9	2.119	2.979	10.9	20.1
2 1	6 40.18	+50 57.1	2.205	3.002	12.9	20.3
2 11	6 32.08	+50 35.6	2.311	3.024	14.8	20.4

350785 2002 CF_{71} 1 7.7 265.°73 0.°2/ 7.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.40	+21 29.6	1.692	2.503	15.7	21.4
12 13	7 36.53	+21 48.1	1.596	2.487	12.1	21.1
12 23	7 28.66	+22 13.0	1.523	2.471	7.8	20.8
1 2	7 18.47	+22 41.0	1.476	2.454	2.9	20.5
1 12	7 7.14	+23 8.1	1.457	2.437	2.2	20.4
1 22	6 56.11	+23 31.0	1.466	2.420	7.3	20.7
2 1	6 46.84	+23 48.1	1.502	2.403	12.0	20.9
2 11	6 40.41	+23 59.3	1.561	2.386	16.1	21.1

250179 2002 TU_{236} 1 7.7 17.°57 2.°2/ 7.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.90	+20 56.9	1.372	2.195	18.0	18.9
12 13	7 36.92	+19 56.3	1.304	2.199	13.9	18.7
12 23	7 28.76	+18 57.6	1.257	2.205	9.0	18.4
1 2	7 18.39	+18 1.5	1.234	2.211	4.0	18.1
1 12	7 7.32	+17 9.3	1.239	2.218	3.2	18.1
1 22	6 57.14	+16 22.7	1.271	2.226	8.0	18.4
2 1	6 49.24	+15 43.3	1.327	2.235	12.8	18.7
2 11	6 44.49	+15 11.6	1.406	2.244	16.8	19.0

283886 2004 BN_{54} 1 7.7 279.°21 0.°9/ 8.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.52	+17 3.1	2.418	3.209	12.1	20.0
12 13	7 31.95	+17 34.4	2.309	3.188	9.4	19.8
12 23	7 25.33	+18 14.2	2.224	3.166	6.1	19.5
1 2	7 17.14	+19 0.7	2.168	3.144	2.5	19.2
1 12	7 8.15	+19 50.9	2.142	3.122	1.8	19.1
1 22	6 59.27	+20 41.5	2.147	3.100	5.4	19.4
2 1	6 51.45	+21 29.9	2.181	3.078	9.0	19.5
2 11	6 45.49	+22 14.3	2.240	3.055	12.2	19.7

448740 2011 HX_{83} 1 7.7 191.°94 3.°6/ 8.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 43.30	+13 18.9	1.781	2.569	15.9	21.7
12 13	7 37.48	+12 57.5	1.696	2.568	12.6	21.4
12 23	7 28.98	+12 46.2	1.632	2.566	8.7	21.2
1 2	7 18.50	+12 45.3	1.595	2.564	4.8	21.0
1 12	7 7.19	+12 53.9	1.587	2.560	4.0	20.9
1 22	6 56.34	+13 10.2	1.608	2.556	7.4	21.1
2 1	6 47.18	+13 32.2	1.656	2.551	11.5	21.3
2 11	6 40.62	+13 57.5	1.728	2.546	15.1	21.6

486763 2014 GR_{31} 1 7.7 227.°79 3.°8/ 8.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.76	+11 57.9	1.772	2.560	16.0	22.3
12 13	7 36.47	+11 49.3	1.678	2.550	12.7	22.0
12 23	7 28.45	+11 53.1	1.606	2.539	8.9	21.8
1 2	7 18.35	+12 9.7	1.560	2.527	5.1	21.5
1 12	7 7.27	+12 37.6	1.542	2.515	4.2	21.4
1 22	6 56.49	+13 14.1	1.553	2.502	7.6	21.6
2 1	6 47.29	+13 56.0	1.591	2.489	11.7	21.8
2 11	6 40.68	+14 40.0	1.653	2.474	15.5	22.0

383736 2007 VR_{13} 1 7.7 31.°43 1.°8/ 7.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.79	+26 20.6	1.991	2.804	13.6	21.2
12 13	7 33.11	+26 43.4	1.921	2.812	10.3	21.0
12 23	7 26.06	+27 7.0	1.874	2.821	6.6	20.8
1 2	7 17.36	+27 27.8	1.854	2.830	2.8	20.6
1 12	7 8.08	+27 42.5	1.863	2.840	2.7	20.6
1 22	6 59.35	+27 49.4	1.900	2.850	6.3	20.9
2 1	6 52.22	+27 48.4	1.965	2.860	9.9	21.1
2 11	6 47.44	+27 40.7	2.054	2.871	13.1	21.3

459336 2012 HF_{39} 1 7.7 235.°97 1.°8/ 8.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.90	+17 41.8	2.187	2.979	13.2	20.9
12 13	7 34.52	+17 21.9	2.092	2.970	10.2	20.7
12 23	7 26.92	+17 6.8	2.020	2.960	6.8	20.5
1 2	7 17.70	+16 56.1	1.976	2.950	3.1	20.2
1 12	7 7.80	+16 48.9	1.962	2.940	2.4	20.2
1 22	6 58.23	+16 44.6	1.978	2.929	6.0	20.4
2 1	6 50.01	+16 42.4	2.022	2.918	9.7	20.6
2 11	6 43.90	+16 41.9	2.091	2.907	12.9	20.8

54115 2000 HX_{15} 1 7.7 42.°74 5.°5/ 6.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 43.80	+30 56.9	1.271	2.103	18.6	18.9
12 13	7 39.15	+32 4.0	1.212	2.111	14.5	18.7
12 23	7 30.62	+33 10.1	1.173	2.119	9.9	18.4
1 2	7 19.21	+34 5.3	1.159	2.128	6.0	18.2
1 12	7 6.72	+34 41.1	1.170	2.137	6.3	18.3
1 22	6 55.21	+34 54.0	1.206	2.147	10.3	18.5
2 1	6 46.47	+34 45.8	1.266	2.157	14.6	18.8
2 11	6 41.59	+34 21.9	1.345	2.167	18.4	19.1

489186 2006 HZ_{21} 1 7.7 273.°94 0.°3/ 7.7 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.05	+21 9.7	1.665	2.477	15.8	21.5
12 13	7 36.38	+21 36.3	1.567	2.458	12.2	21.3
12 23	7 28.66	+22 10.8	1.490	2.438	7.9	21.0
1 2	7 18.51	+22 49.5	1.440	2.419	3.0	20.6
1 12	7 7.13	+23 27.9	1.418	2.398	2.3	20.5
1 22	6 55.98	+24 1.8	1.424	2.378	7.5	20.8
2 1	6 46.55	+24 28.9	1.456	2.357	12.3	21.0
2 11	6 40.02	+24 48.8	1.511	2.337	16.5	21.2

381647 2008 YX_{152} 1 7.7 88.°95 2.°8/ 9.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.14	+10 59.8	2.408	3.185	12.6	21.3
12 13	7 31.32	+11 19.3	2.334	3.199	9.9	21.1
12 23	7 24.70	+11 49.8	2.283	3.213	6.8	20.9
1 2	7 16.83	+12 30.3	2.260	3.227	3.8	20.8
1 12	7 8.49	+13 18.3	2.268	3.240	3.0	20.7
1 22	7 0.54	+14 11.1	2.305	3.254	5.5	20.9
2 1	6 53.73	+15 5.5	2.372	3.267	8.5	21.1
2 11	6 48.71	+15 58.8	2.464	3.281	11.2	21.3

459974 2014 OB_{13} 1 7.7 83.°07 1.°5/ 7.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 45.03	+26 24.6	1.673	2.483	15.8	21.3
12 13	7 38.81	+26 25.3	1.611	2.500	12.0	21.1
12 23	7 29.72	+26 25.5	1.571	2.518	7.7	20.8
1 2	7 18.71	+26 21.6	1.558	2.535	3.1	20.6
1 12	7 7.15	+26 10.9	1.573	2.552	2.7	20.6
1 22	6 56.50	+25 52.9	1.618	2.569	7.0	20.9
2 1	6 47.96	+25 29.1	1.689	2.586	11.2	21.2
2 11	6 42.34	+25 1.9	1.783	2.603	14.7	21.5

154879 2004 RD_{140} 1 7.7 82.°69 2.°0/ 7.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.58	+26 20.5	1.956	2.765	13.9	20.3
12 13	7 35.27	+26 51.8	1.886	2.775	10.6	20.1
12 23	7 27.46	+27 24.2	1.840	2.786	6.8	19.9
1 2	7 17.90	+27 53.5	1.821	2.797	3.0	19.6
1 12	7 7.71	+28 15.8	1.831	2.808	2.9	19.7
1 22	6 58.11	+28 29.0	1.870	2.819	6.6	19.9
2 1	6 50.20	+28 32.9	1.937	2.829	10.2	20.2
2 11	6 44.77	+28 29.0	2.027	2.840	13.4	20.4

144196 2004 BX_{135} 1 7.7 130.°47 1.°5/ 7.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 43.57	+25 45.0	2.111	2.910	13.4	21.2
12 13	7 37.28	+26 5.9	2.040	2.924	10.2	21.0
12 23	7 28.61	+26 27.6	1.993	2.938	6.5	20.8
1 2	7 18.30	+26 46.3	1.975	2.951	2.7	20.6
1 12	7 7.43	+26 59.0	1.986	2.964	2.4	20.6
1 22	6 57.17	+27 4.1	2.028	2.976	6.1	20.9
2 1	6 48.55	+27 1.7	2.098	2.988	9.7	21.1
2 11	6 42.33	+26 53.3	2.193	2.999	12.8	21.3

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
407374 2010 RN_{147}			1 7.7	54.°58	3.°7/ 6.8	18
	h m	° ′			°	m
12 3	7 42.38	+30 8.5	1.712	2.527	15.3	21.6
12 13	7 37.17	+30 47.8	1.639	2.530	11.8	21.4
12 23	7 28.94	+31 25.6	1.589	2.533	7.9	21.2
1 2	7 18.51	+31 55.9	1.564	2.536	4.4	21.0
1 12	7 7.25	+32 13.7	1.568	2.539	4.5	21.0
1 22	6 56.64	+32 16.6	1.599	2.542	8.0	21.2
2 1	6 48.05	+32 5.6	1.657	2.545	11.9	21.4
2 11	6 42.44	+31 43.8	1.736	2.548	15.3	21.7
125219 2001 UZ_{153}			1 7.7	169.°26	2.°9/ 6.8	18
12 3	7 44.48	+27 7.5	1.756	2.564	15.3	20.0
12 13	7 38.72	+28 0.3	1.679	2.568	11.7	19.8
12 23	7 29.93	+28 55.4	1.625	2.570	7.6	19.6
1 2	7 18.91	+29 46.5	1.598	2.572	3.8	19.3
1 12	7 6.93	+30 27.6	1.600	2.574	3.9	19.3
1 22	6 55.51	+30 55.1	1.631	2.575	7.8	19.6
2 1	6 46.04	+31 8.4	1.689	2.576	11.8	19.8
2 11	6 39.51	+31 9.9	1.769	2.576	15.3	20.0
461086 2015 AU_{175}			1 7.7	152.°10	0.°1/ 7.7	18
12 3	7 37.41	+20 22.3	2.484	3.279	11.7	21.6
12 13	7 32.40	+20 57.3	2.400	3.283	8.9	21.4
12 23	7 25.46	+21 37.6	2.342	3.287	5.7	21.2
1 2	7 17.14	+22 20.5	2.312	3.290	2.1	21.0
1 12	7 8.26	+23 2.8	2.313	3.294	1.6	20.9
1 22	6 59.69	+23 41.9	2.345	3.297	5.2	21.2
2 1	6 52.29	+24 16.0	2.406	3.300	8.4	21.4
2 11	6 46.74	+24 44.4	2.493	3.303	11.3	21.6
253240 2003 AZ_{17}			1 7.7	339.°77	4.°7/ 5.7	18
12 3	7 39.63	+27 53.0	1.555	2.380	16.1	19.8
12 13	7 35.63	+29 33.0	1.477	2.373	12.5	19.6
12 23	7 28.34	+31 19.2	1.421	2.367	8.4	19.3
1 2	7 18.43	+33 2.3	1.392	2.362	5.1	19.1
1 12	7 7.22	+34 32.5	1.390	2.357	5.7	19.1
1 22	6 56.37	+35 42.4	1.416	2.353	9.5	19.3
2 1	6 47.53	+36 29.8	1.467	2.349	13.6	19.6
2 11	6 41.93	+36 56.5	1.539	2.346	17.2	19.8
164324 2005 AU_{47}			1 7.7	65.°39	0.°8/ 7.9	17
12 3	7 42.64	+19 14.5	1.430	2.246	17.7	20.7
12 13	7 37.29	+19 28.8	1.375	2.268	13.5	20.4
12 23	7 28.90	+19 51.4	1.341	2.289	8.6	20.2
1 2	7 18.44	+20 18.9	1.332	2.310	3.3	20.0
1 12	7 7.36	+20 47.4	1.351	2.331	2.3	20.0
1 22	6 57.19	+21 13.5	1.397	2.353	7.4	20.3
2 1	6 49.24	+21 35.4	1.469	2.374	11.9	20.6
2 11	6 44.34	+21 52.8	1.563	2.395	15.7	20.9
493092 2014 SL_{320}			1 7.7	111.°73	2.°2/ 7.1	18
12 3	7 42.23	+27 13.8	1.944	2.750	14.1	21.6
12 13	7 36.55	+27 43.2	1.873	2.761	10.7	21.4
12 23	7 28.29	+28 12.8	1.825	2.771	6.9	21.2
1 2	7 18.22	+28 38.2	1.805	2.780	3.2	21.0
1 12	7 7.49	+28 55.6	1.814	2.790	3.1	21.0
1 22	6 57.39	+29 2.9	1.853	2.799	6.7	21.3
2 1	6 49.03	+29 0.6	1.918	2.809	10.4	21.5
2 11	6 43.25	+28 50.4	2.008	2.817	13.6	21.7
15574 Stephaniehass			1 7.8	48.°19	3.°2/ 7.1	18
12 3	7 43.52	+27 14.2	1.245	2.078	18.9	18.2
12 13	7 38.71	+27 51.5	1.188	2.090	14.4	18.0
12 23	7 30.19	+28 30.0	1.152	2.102	9.4	17.7
1 2	7 19.01	+29 2.9	1.139	2.115	4.4	17.5
1 12	7 6.96	+29 23.7	1.152	2.129	4.3	17.5
1 22	6 55.95	+29 29.6	1.191	2.142	9.0	17.8
2 1	6 47.64	+29 22.0	1.254	2.157	13.8	18.2
2 11	6 43.00	+29 4.3	1.337	2.171	17.8	18.4
190168 2005 UE_{170}			1 7.8	123.°75	0.°3/ 7.8	17
12 3	7 45.25	+20 59.3	1.656	2.461	16.2	21.3
12 13	7 39.04	+21 6.0	1.589	2.475	12.4	21.1
12 23	7 29.95	+21 17.8	1.543	2.489	7.9	20.9
1 2	7 18.85	+21 31.8	1.524	2.502	3.0	20.6
1 12	7 7.08	+21 44.8	1.534	2.515	2.1	20.6
1 22	6 56.06	+21 54.7	1.573	2.527	7.0	20.9
2 1	6 47.07	+22 0.8	1.639	2.538	11.3	21.2
2 11	6 40.97	+22 3.6	1.729	2.549	15.0	21.5
444313 2005 VP_{110}			1 7.8	15.°95	2.°2/ 8.2	17
12 3	7 35.90	+18 11.6	0.944	1.798	21.8	20.8
12 13	7 33.45	+17 59.5	0.892	1.804	16.8	20.5
12 23	7 27.09	+17 59.7	0.858	1.812	11.0	20.2
1 2	7 17.91	+18 10.6	0.844	1.822	4.7	19.9
1 12	7 7.77	+18 28.7	0.853	1.833	3.4	19.9
1 22	6 58.70	+18 50.1	0.884	1.846	9.3	20.3
2 1	6 52.42	+19 11.8	0.937	1.861	14.9	20.6
2 11	6 49.95	+19 31.4	1.009	1.877	19.7	21.0

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
78787 2002 VA_{111}			1 7.8	23.°44	5.°6/ 6.2	18
	h m	° ′			°	m
12 3	7 41.91	+37 36.3	2.099	2.898	13.4	19.6
12 13	7 36.48	+38 19.0	2.026	2.901	10.7	19.4
12 23	7 28.33	+38 54.6	1.977	2.904	7.9	19.3
1 2	7 18.27	+39 17.1	1.954	2.906	5.9	19.1
1 12	7 7.50	+39 22.1	1.959	2.910	6.1	19.2
1 22	6 57.37	+39 8.5	1.992	2.913	8.3	19.3
2 1	6 49.07	+38 38.2	2.052	2.916	11.1	19.5
2 11	6 43.45	+37 55.4	2.134	2.920	13.7	19.7
392203 2009 SZ_{292}			1 7.8	246.°62	2.°5/ 8.9	17
12 3	7 31.73	+11 8.5	3.545	4.312	9.1	21.3
12 13	7 27.57	+11 2.9	3.444	4.302	7.2	21.2
12 23	7 22.17	+11 4.0	3.368	4.293	5.1	21.0
1 2	7 15.90	+11 11.7	3.321	4.283	3.1	20.9
1 12	7 9.26	+11 25.5	3.304	4.272	2.6	20.8
1 22	7 2.78	+11 44.4	3.319	4.262	4.3	20.9
2 1	6 57.00	+12 7.1	3.363	4.252	6.4	21.1
2 11	6 52.36	+12 32.3	3.434	4.241	8.5	21.2
404532 2013 HN_{135}			1 7.8	64.°63	2.°6/ 7.1	18
12 3	7 43.13	+27 5.5	1.561	2.379	16.4	21.2
12 13	7 37.70	+27 40.2	1.502	2.396	12.5	21.0
12 23	7 29.21	+28 15.6	1.466	2.413	8.0	20.8
1 2	7 18.60	+28 46.0	1.455	2.431	3.7	20.6
1 12	7 7.32	+29 6.5	1.472	2.448	3.6	20.6
1 22	6 56.91	+29 14.9	1.517	2.466	7.7	20.9
2 1	6 48.70	+29 11.9	1.588	2.484	11.9	21.2
2 11	6 43.55	+29 0.1	1.681	2.501	15.4	21.5
190163 2005 UY_{54}			1 7.8	78.°00	2.°1/ 8.1	17
12 3	7 44.24	+18 22.8	1.385	2.199	18.3	20.2
12 13	7 38.61	+18 1.0	1.324	2.215	14.1	19.9
12 23	7 29.81	+17 46.7	1.284	2.230	9.2	19.7
1 2	7 18.82	+17 38.9	1.269	2.245	4.0	19.4
1 12	7 7.17	+17 35.8	1.281	2.261	3.0	19.4
1 22	6 56.45	+17 36.0	1.321	2.276	7.8	19.7
2 1	6 48.03	+17 38.4	1.385	2.291	12.5	20.1
2 11	6 42.79	+17 42.2	1.472	2.306	16.5	20.3
230801 2004 ES_{79}			1 7.8	274.°01	3.°1/ 8.2	18
12 3	7 41.80	+16 25.2	1.452	2.264	17.7	20.1
12 13	7 37.09	+15 56.4	1.364	2.252	13.9	19.8
12 23	7 29.15	+15 35.9	1.297	2.240	9.4	19.5
1 2	7 18.72	+15 23.9	1.254	2.227	4.7	19.2
1 12	7 7.14	+15 19.7	1.238	2.215	3.8	19.1
1 22	6 56.01	+15 22.0	1.249	2.202	8.4	19.4
2 1	6 46.87	+15 29.5	1.285	2.190	13.3	19.6
2 11	6 40.86	+15 40.6	1.342	2.177	17.7	19.9
336929 2011 HA_{57}			1 7.8	157.°90	2.°7/ 8.9	18
12 3	7 36.03	+11 38.6	2.633	3.407	11.7	21.3
12 13	7 31.17	+11 47.0	2.548	3.412	9.2	21.1
12 23	7 24.60	+12 4.8	2.487	3.416	6.3	20.9
1 2	7 16.83	+12 31.4	2.453	3.420	3.6	20.8
1 12	7 8.59	+13 5.1	2.451	3.423	2.9	20.7
1 22	7 0.64	+13 43.8	2.479	3.426	5.2	20.9
2 1	6 53.72	+14 25.2	2.536	3.429	8.1	21.1
2 11	6 48.44	+15 7.0	2.619	3.432	10.7	21.2
432198 2009 DS_{75}			1 7.8	12.°55	6.°8/ 7.3	18
12 3	7 44.09	+40 3.7	1.615	2.425	16.4	20.3
12 13	7 38.69	+40 15.1	1.552	2.430	13.1	20.1
12 23	7 29.91	+40 13.5	1.509	2.437	9.8	20.0
1 2	7 18.85	+39 52.3	1.491	2.445	7.2	19.8
1 12	7 7.19	+39 8.2	1.500	2.454	7.1	19.9
1 22	6 56.66	+38 2.7	1.535	2.464	9.6	20.0
2 1	6 48.66	+36 41.2	1.595	2.475	12.8	20.2
2 11	6 44.00	+35 11.0	1.678	2.487	15.9	20.5
111671 2002 BK_{13}			1 7.8	348.°03	5.°7/ 6.3	18
12 3	7 42.91	+32 6.7	1.405	2.231	17.5	19.4
12 13	7 38.42	+33 11.6	1.334	2.229	13.7	19.2
12 23	7 30.21	+34 15.1	1.284	2.227	9.5	18.9
1 2	7 19.15	+35 8.1	1.258	2.225	6.2	18.7
1 12	7 6.88	+35 42.2	1.259	2.224	6.5	18.7
1 22	6 55.33	+35 53.6	1.285	2.222	10.1	18.9
2 1	6 46.28	+35 43.6	1.335	2.222	14.3	19.2
2 11	6 40.90	+35 17.3	1.405	2.221	18.1	19.4
121953 2000 EP_{50}			1 7.8	134.°33	2.°7/ 7.2	18
12 3	7 45.34	+27 18.5	1.580	2.394	16.4	19.7
12 13	7 39.54	+27 49.8	1.510	2.401	12.6	19.4
12 23	7 30.52	+28 21.9	1.461	2.407	8.2	19.2
1 2	7 19.16	+28 49.0	1.438	2.413	3.8	19.0
1 12	7 6.93	+29 6.0	1.443	2.419	3.7	19.0
1 22	6 55.46	+29 10.4	1.476	2.425	8.0	19.2
2 1	6 46.20	+29 3.1	1.535	2.430	12.3	19.5
2 11	6 40.13	+28 46.9	1.617	2.434	16.0	19.7

318662 2005 NC_{49} 1 7.8 113.°28 0.°8/ 7.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.24	+20 39.9	1.982	2.782	14.1	20.6
12 13	7 35.77	+21 40.3	1.909	2.795	10.7	20.4
12 23	7 27.83	+22 48.0	1.861	2.807	6.8	20.2
1 2	7 18.12	+23 58.3	1.841	2.819	2.5	19.9
1 12	7 7.69	+25 5.8	1.851	2.830	2.1	19.9
1 22	6 57.71	+26 5.9	1.891	2.842	6.3	20.2
2 1	6 49.31	+26 56.2	1.960	2.852	10.1	20.5
2 11	6 43.31	+27 36.2	2.053	2.863	13.3	20.7

127800 2003 FL_{76} 1 7.8 181.°52 1.°2/ 8.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.50	+17 49.1	1.896	2.692	14.8	21.0
12 13	7 36.82	+18 3.5	1.812	2.693	11.4	20.7
12 23	7 28.56	+18 26.1	1.751	2.694	7.4	20.5
1 2	7 18.41	+18 54.4	1.717	2.694	3.1	20.2
1 12	7 7.47	+19 25.4	1.713	2.693	2.2	20.2
1 22	6 56.96	+19 56.1	1.739	2.692	6.5	20.4
2 1	6 48.07	+20 24.5	1.792	2.690	10.6	20.7
2 11	6 41.67	+20 49.6	1.870	2.687	14.2	20.9

144602 2004 FV_{47} 1 7.8 240.°46 1.°5/ 8.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.03	+18 3.3	1.902	2.703	14.6	20.8
12 13	7 34.98	+17 59.0	1.813	2.696	11.3	20.5
12 23	7 27.41	+18 1.5	1.746	2.689	7.4	20.3
1 2	7 17.99	+18 9.3	1.706	2.682	3.2	20.0
1 12	7 7.77	+18 20.5	1.695	2.675	2.3	19.9
1 22	6 57.93	+18 33.3	1.713	2.667	6.5	20.2
2 1	6 49.64	+18 46.4	1.759	2.659	10.6	20.4
2 11	6 43.76	+18 58.7	1.828	2.651	14.2	20.6

273176 2006 HX_{79} 1 7.8 170.°97 0.°6/ 7.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.46	+19 23.4	2.757	3.545	10.9	21.8
12 13	7 32.22	+19 31.3	2.670	3.548	8.3	21.7
12 23	7 25.26	+19 43.2	2.608	3.550	5.3	21.5
1 2	7 17.09	+19 57.8	2.576	3.553	2.1	21.3
1 12	7 8.46	+20 13.3	2.574	3.554	1.5	21.2
1 22	7 0.14	+20 28.3	2.604	3.556	4.7	21.4
2 1	6 52.88	+20 41.7	2.663	3.557	7.7	21.6
2 11	6 47.28	+20 53.2	2.748	3.557	10.4	21.8

466483 2013 VO_2 1 7.8 65.°58 4.°9/ 6.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.44	+35 3.3	2.069	2.871	13.5	20.7
12 13	7 36.71	+35 52.8	2.011	2.889	10.6	20.6
12 23	7 28.38	+36 36.5	1.976	2.908	7.5	20.4
1 2	7 18.29	+37 8.8	1.968	2.927	5.2	20.3
1 12	7 7.63	+37 25.3	1.990	2.946	5.4	20.4
1 22	6 57.68	+37 24.8	2.039	2.965	7.8	20.6
2 1	6 49.57	+37 8.9	2.115	2.984	10.6	20.8
2 11	6 44.07	+36 41.3	2.215	3.003	13.2	21.0

118767 2000 QG_{230} 1 7.8 121.°87 4.°1/ 6.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 43.32	+32 28.0	2.175	2.974	13.0	19.9
12 13	7 37.29	+33 19.4	2.107	2.987	10.1	19.7
12 23	7 28.76	+34 7.7	2.063	2.999	7.0	19.6
1 2	7 18.45	+34 47.3	2.046	3.011	4.4	19.4
1 12	7 7.49	+35 13.6	2.060	3.022	4.6	19.5
1 22	6 57.11	+35 24.8	2.103	3.034	7.2	19.7
2 1	6 48.41	+35 21.5	2.173	3.044	10.2	19.9
2 11	6 42.21	+35 6.7	2.267	3.055	13.0	20.1

13939 1989 SJ_2 1 7.8 172.°37 5.°8/ 9.9 18 R

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.44	+ 4 19.9	2.206	2.958	14.3	19.0
12 13	7 33.29	+ 4 2.3	2.121	2.961	11.8	18.8
12 23	7 26.10	+ 3 59.7	2.059	2.964	9.0	18.6
1 2	7 17.45	+ 4 13.6	2.023	2.966	6.6	18.5
1 12	7 8.21	+ 4 43.5	2.016	2.967	5.9	18.4
1 22	6 59.31	+ 5 27.3	2.037	2.968	7.5	18.5
2 1	6 51.66	+ 6 21.6	2.087	2.968	10.1	18.7
2 11	6 45.96	+ 7 22.0	2.161	2.968	12.9	18.9

311013 2003 YM_{82} 1 7.8 59.°12 2.°2/ 7.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 43.91	+27 3.4	1.497	2.316	16.9	20.2
12 13	7 38.34	+27 17.2	1.439	2.333	12.9	20.0
12 23	7 29.62	+27 30.7	1.402	2.350	8.3	19.8
1 2	7 18.78	+27 39.2	1.391	2.368	3.6	19.5
1 12	7 7.31	+27 38.9	1.408	2.386	3.2	19.6
1 22	6 56.81	+27 28.9	1.452	2.403	7.7	19.9
2 1	6 48.61	+27 10.3	1.522	2.421	12.0	20.2
2 11	6 43.56	+26 46.2	1.614	2.439	15.7	20.4

131466 2001 QU_{326} 1 7.8 66.°20 3.°4/ 9.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.47	+ 8 14.9	2.258	3.029	13.5	19.4
12 13	7 31.79	+ 8 50.8	2.176	3.035	10.7	19.2
12 23	7 25.15	+ 9 41.5	2.117	3.042	7.6	19.0
1 2	7 17.10	+10 45.9	2.086	3.049	4.5	18.8
1 12	7 8.47	+12 0.9	2.084	3.055	3.6	18.8
1 22	7 0.16	+13 22.1	2.114	3.062	5.9	18.9
2 1	6 53.04	+14 45.0	2.172	3.069	9.1	19.1
2 11	6 47.80	+16 5.6	2.257	3.076	12.0	19.3

299513 2006 CY_{25} 1 7.8 247.°96 0.°0/ 7.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.71	+20 48.3	1.650	2.461	16.0	21.1
12 13	7 36.77	+21 10.5	1.561	2.452	12.3	20.9
12 23	7 28.84	+21 40.0	1.495	2.443	7.9	20.6
1 2	7 18.62	+22 13.4	1.455	2.434	3.0	20.3
1 12	7 7.33	+22 46.4	1.443	2.424	2.2	20.2
1 22	6 56.44	+23 15.5	1.460	2.414	7.3	20.5
2 1	6 47.37	+23 38.6	1.502	2.404	12.0	20.7
2 11	6 41.19	+23 55.6	1.568	2.394	16.0	20.9

164462 2006 DW_{148} 1 7.8 179.°50 0.°7/ 7.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 43.61	+23 25.5	2.014	2.812	14.0	21.6
12 13	7 37.58	+23 41.8	1.930	2.814	10.7	21.3
12 23	7 29.00	+24 0.9	1.870	2.815	6.8	21.1
1 2	7 18.58	+24 19.6	1.838	2.816	2.6	20.8
1 12	7 7.41	+24 34.7	1.836	2.815	2.1	20.8
1 22	6 56.74	+24 44.1	1.863	2.815	6.3	21.1
2 1	6 47.69	+24 47.5	1.920	2.813	10.2	21.3
2 11	6 41.12	+24 45.7	2.000	2.811	13.6	21.5

432154 2009 BO_{143} 1 7.8 2.°24 0.°4/ 7.9 15

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 34.91	+20 6.5	1.692	2.513	15.2	21.3
12 13	7 31.34	+20 19.9	1.616	2.512	11.6	21.1
12 23	7 25.20	+20 40.2	1.562	2.512	7.5	20.8
1 2	7 17.19	+21 4.9	1.534	2.512	2.9	20.5
1 12	7 8.43	+21 30.9	1.533	2.514	2.0	20.5
1 22	7 0.18	+21 55.2	1.560	2.517	6.6	20.8
2 1	6 53.58	+22 16.1	1.613	2.520	10.9	21.0
2 11	6 49.50	+22 32.6	1.688	2.525	14.6	21.3

403078 2008 CP_{13} 1 7.8 36.°58 8.°6/ 6.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 50.11	+43 8.6	1.590	2.387	17.1	20.7
12 13	7 43.65	+43 47.5	1.526	2.392	14.1	20.5
12 23	7 33.29	+44 11.7	1.484	2.398	11.1	20.3
1 2	7 20.20	+44 12.0	1.465	2.404	8.9	20.2
1 12	7 6.32	+43 42.6	1.472	2.411	9.0	20.3
1 22	6 53.70	+42 44.5	1.506	2.417	11.1	20.4
2 1	6 44.02	+41 23.8	1.563	2.425	14.1	20.6
2 11	6 38.22	+39 49.8	1.643	2.432	17.0	20.8

82915 2001 QA_{104} 1 7.8 84.°62 3.°3/ 9.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.63	+10 19.8	2.395	3.169	12.7	19.4
12 13	7 31.66	+10 21.6	2.327	3.189	10.0	19.2
12 23	7 24.91	+10 34.1	2.283	3.209	7.0	19.0
1 2	7 16.97	+10 56.8	2.266	3.228	4.2	18.9
1 12	7 8.63	+11 28.2	2.279	3.248	3.5	18.9
1 22	7 0.73	+12 5.8	2.321	3.267	5.7	19.1
2 1	6 54.01	+12 47.2	2.393	3.286	8.5	19.3
2 11	6 49.07	+13 29.8	2.490	3.305	11.1	19.5

281720 2008 WJ_{117} 1 7.8 223.°92 3.°7/ 8.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.18	+12 30.8	2.372	3.150	12.7	20.4
12 13	7 32.97	+11 45.8	2.282	3.147	10.1	20.2
12 23	7 25.83	+11 7.6	2.217	3.145	7.1	20.0
1 2	7 17.35	+10 37.3	2.180	3.142	4.5	19.9
1 12	7 8.34	+10 15.6	2.172	3.139	4.0	19.8
1 22	6 59.68	+10 2.4	2.195	3.136	6.3	20.0
2 1	6 52.22	+ 9 57.1	2.245	3.133	9.2	20.2
2 11	6 46.61	+ 9 58.2	2.321	3.130	12.0	20.3

252224 2001 NX_{16} 1 7.8 84.°75 1.°9/ 6.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 35.91	+29 17.0	3.282	4.075	9.2	20.7
12 13	7 30.80	+29 37.8	3.215	4.095	7.0	20.6
12 23	7 24.23	+29 57.1	3.174	4.115	4.5	20.5
1 2	7 16.69	+30 12.5	3.163	4.135	2.3	20.3
1 12	7 8.85	+30 22.2	3.182	4.155	2.3	20.4
1 22	7 1.37	+30 25.3	3.233	4.174	4.5	20.5
2 1	6 54.89	+30 22.0	3.313	4.193	6.8	20.7
2 11	6 49.89	+30 13.1	3.419	4.212	8.9	20.9

16088 1999 TJ_{121} 1 7.8 93.°55 2.°1/ 7.2 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.14	+25 33.0	1.643	2.459	15.8	17.9
12 13	7 37.02	+26 9.0	1.569	2.462	12.1	17.7
12 23	7 28.91	+26 47.9	1.518	2.466	7.8	17.4
1 2	7 18.60	+27 24.6	1.493	2.470	3.3	17.2
1 12	7 7.42	+27 53.9	1.497	2.474	3.2	17.2
1 22	6 56.87	+28 12.7	1.528	2.478	7.5	17.4
2 1	6 48.30	+28 20.6	1.585	2.482	11.8	17.7
2 11	6 42.68	+28 19.3	1.665	2.486	15.5	17.9

14410 1991 RR_1 1 7.8 127.°29 3.°3/ 8.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 37.04	+11 31.9	2.538	3.311	12.1	18.0
12 13	7 31.93	+11 10.4	2.459	3.321	9.5	17.8
12 23	7 25.08	+10 57.1	2.404	3.330	6.7	17.6
1 2	7 17.05	+10 52.5	2.377	3.339	4.1	17.5
1 12	7 8.59	+10 56.0	2.380	3.348	3.5	17.4
1 22	7 0.51	+11 6.8	2.413	3.356	5.6	17.6
2 1	6 53.55	+11 23.1	2.475	3.365	8.4	17.8
2 11	6 48.29	+11 43.2	2.562	3.372	11.0	18.0

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
215557 2003 BJ_{10}			1 7.8	2.°32	10.°6/ 7.5	18
12 3	7 43.16	+46 25.5	1.338	2.150	19.0	18.8
12 13	7 39.09	+46 51.6	1.277	2.147	16.0	18.6
12 23	7 30.69	+46 57.0	1.235	2.147	13.0	18.4
1 2	7 19.27	+46 32.0	1.215	2.149	10.9	18.3
1 12	7 7.05	+45 31.3	1.218	2.153	10.8	18.3
1 22	6 56.32	+43 57.6	1.244	2.159	12.7	18.4
2 1	6 48.82	+41 59.3	1.294	2.167	15.7	18.6
2 11	6 45.44	+39 48.1	1.364	2.177	18.7	18.8
411270 2010 RR_{155}			1 7.8	160.°01	3.°4/ 8.9	18
12 3	7 39.40	+11 46.6	1.984	2.768	14.6	22.0
12 13	7 34.27	+11 44.8	1.903	2.772	11.5	21.8
12 23	7 26.85	+11 54.8	1.844	2.775	8.0	21.6
1 2	7 17.78	+12 16.0	1.812	2.779	4.6	21.4
1 12	7 8.05	+12 46.9	1.809	2.781	3.7	21.4
1 22	6 58.73	+13 24.7	1.835	2.784	6.6	21.5
2 1	6 50.85	+14 6.5	1.889	2.786	10.2	21.8
2 11	6 45.19	+14 49.4	1.967	2.787	13.5	22.0
134431 1998 RU_{34}			1 7.8	94.°94	0.°9/ 8.0	18
12 3	7 42.43	+18 35.8	1.830	2.630	15.1	20.5
12 13	7 36.60	+18 52.0	1.767	2.651	11.5	20.4
12 23	7 28.29	+19 15.3	1.728	2.672	7.4	20.2
1 2	7 18.29	+19 43.1	1.716	2.693	2.9	19.9
1 12	7 7.76	+20 12.1	1.733	2.713	2.0	19.9
1 22	6 57.90	+20 39.5	1.779	2.733	6.3	20.2
2 1	6 49.80	+21 3.7	1.853	2.752	10.2	20.5
2 11	6 44.20	+21 24.0	1.952	2.771	13.6	20.7
496250 2012 HG_{82}			1 7.8	215.°19	2.°8/ 6.7	18
12 3	7 40.94	+28 30.5	2.366	3.165	12.1	21.7
12 13	7 35.46	+29 20.8	2.276	3.158	9.3	21.5
12 23	7 27.66	+30 12.0	2.210	3.152	6.2	21.3
1 2	7 18.12	+30 59.3	2.173	3.144	3.3	21.1
1 12	7 7.80	+31 38.4	2.166	3.137	3.5	21.1
1 22	6 57.77	+32 6.4	2.189	3.129	6.4	21.3
2 1	6 49.08	+32 22.6	2.241	3.120	9.7	21.5
2 11	6 42.57	+32 28.1	2.318	3.111	12.5	21.6
402698 2006 VC_{65}			1 7.8	84.°48	0.°5/ 7.9	18
12 3	7 42.65	+19 56.2	1.818	2.620	15.1	21.7
12 13	7 36.75	+20 9.0	1.759	2.644	11.5	21.5
12 23	7 28.36	+20 27.6	1.723	2.669	7.3	21.3
1 2	7 18.31	+20 49.0	1.715	2.692	2.8	21.1
1 12	7 7.78	+21 10.5	1.735	2.716	1.9	21.1
1 22	6 57.98	+21 29.5	1.785	2.739	6.3	21.4
2 1	6 49.98	+21 45.0	1.863	2.762	10.2	21.7
2 11	6 44.50	+21 56.9	1.964	2.784	13.5	22.0
288532 2004 GK_9			1 7.8	169.°32	2.°6/ 8.8	17
12 3	7 35.28	+12 15.7	2.964	3.736	10.6	22.2
12 13	7 30.43	+12 6.1	2.876	3.739	8.3	22.0
12 23	7 24.09	+12 3.6	2.813	3.741	5.8	21.9
1 2	7 16.70	+12 8.2	2.779	3.743	3.4	21.7
1 12	7 8.91	+12 19.1	2.775	3.745	2.8	21.7
1 22	7 1.39	+12 35.3	2.801	3.747	4.8	21.8
2 1	6 54.78	+12 55.2	2.858	3.748	7.4	22.0
2 11	6 49.61	+13 17.4	2.940	3.749	9.8	22.1
80030 1999 JJ_{15}			1 7.8	228.°99	7.°9/10.9	18
12 3	7 34.38	− 5 57.6	2.868	3.559	12.6	20.0
12 13	7 29.87	− 6 40.1	2.774	3.550	11.1	19.9
12 23	7 23.81	− 7 6.8	2.702	3.542	9.5	19.7
1 2	7 16.63	− 7 15.0	2.654	3.533	8.3	19.6
1 12	7 8.96	− 7 3.3	2.633	3.523	7.9	19.6
1 22	7 1.47	− 6 32.4	2.639	3.514	8.5	19.6
2 1	6 54.86	− 5 44.6	2.671	3.504	9.9	19.7
2 11	6 49.69	− 4 43.9	2.728	3.493	11.6	19.8
299405 2005 YK_{23}			1 7.8	198.°44	0.°4/ 7.9	18
12 3	7 44.07	+21 36.3	1.710	2.516	15.7	21.5
12 13	7 38.32	+21 28.3	1.627	2.514	12.1	21.3
12 23	7 29.67	+21 24.0	1.566	2.512	7.8	21.0
1 2	7 18.91	+21 21.1	1.531	2.509	3.0	20.7
1 12	7 7.30	+21 17.3	1.526	2.506	2.1	20.7
1 22	6 56.25	+21 11.5	1.549	2.503	7.0	21.0
2 1	6 47.09	+21 3.5	1.599	2.499	11.5	21.2
2 11	6 40.75	+20 54.1	1.672	2.495	15.3	21.4
235096 2003 JT_{11}			1 7.8	272.°91	2.°6/ 8.5	18
12 3	7 39.91	+14 32.9	1.538	2.345	17.1	20.4
12 13	7 35.49	+14 42.9	1.452	2.338	13.4	20.1
12 23	7 28.08	+15 6.4	1.388	2.331	9.0	19.9
1 2	7 18.39	+15 42.0	1.349	2.323	4.4	19.6
1 12	7 7.64	+16 26.6	1.338	2.316	3.2	19.5
1 22	6 57.29	+17 15.8	1.353	2.309	7.7	19.7
2 1	6 48.77	+18 5.6	1.395	2.301	12.4	20.0
2 11	6 43.12	+18 52.9	1.459	2.294	16.5	20.2

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
2090 Mizuho			1 7.8	132.°76	3.°9/ 6.7	18
12 3	7 42.29	+35 1.6	2.564	3.354	11.5	16.4
12 13	7 36.18	+35 28.5	2.490	3.363	9.0	16.2
12 23	7 27.91	+35 50.0	2.440	3.371	6.3	16.1
1 2	7 18.16	+36 2.1	2.419	3.379	4.2	15.9
1 12	7 7.91	+36 1.8	2.428	3.387	4.3	15.9
1 22	6 58.20	+35 48.4	2.467	3.395	6.5	16.1
2 1	6 49.96	+35 23.2	2.534	3.402	9.1	16.3
2 11	6 43.89	+34 49.1	2.626	3.409	11.5	16.5
290748 2005 UY_{479}			1 7.8	359.°42	16.°4/27.0	17
12 3	7 43.62	+36 21.4	0.917	1.769	22.4	18.4
12 13	7 42.49	+42 10.0	0.867	1.763	18.9	18.2
12 23	7 35.46	+48 8.1	0.841	1.760	16.6	18.0
1 2	7 22.19	+53 35.6	0.842	1.758	16.9	18.1
1 12	7 4.30	+57 55.4	0.868	1.759	19.4	18.2
1 22	6 45.57	+60 49.9	0.914	1.762	22.7	18.4
2 1	6 30.96	+62 24.5	0.976	1.767	25.9	18.7
2 11	6 24.14	+62 58.8	1.050	1.774	28.4	18.9
10383 1996 SR_7			1 7.8	187.°67	0.°0/ 7.8	18
12 3	7 40.69	+21 30.8	2.366	3.159	12.3	19.1
12 13	7 35.01	+21 38.4	2.277	3.158	9.4	18.9
12 23	7 27.23	+21 49.3	2.213	3.157	6.0	18.7
1 2	7 17.94	+22 1.4	2.178	3.156	2.3	18.4
1 12	7 8.05	+22 12.5	2.173	3.154	1.6	18.4
1 22	6 58.53	+22 21.1	2.199	3.151	5.4	18.6
2 1	6 50.31	+22 26.6	2.254	3.148	8.9	18.9
2 11	6 44.11	+22 29.0	2.334	3.144	11.9	19.1
118570 2000 GP_1			1 7.8	307.°61	6.°3/ 6.2	18
12 3	7 42.45	+32 22.3	1.307	2.138	18.2	19.3
12 13	7 38.67	+33 28.0	1.223	2.120	14.4	19.0
12 23	7 30.82	+34 33.8	1.159	2.102	10.2	18.7
1 2	7 19.62	+35 29.8	1.118	2.085	6.7	18.4
1 12	7 6.72	+36 6.1	1.103	2.068	7.2	18.4
1 22	6 54.28	+36 17.0	1.112	2.051	11.2	18.6
2 1	6 44.44	+36 3.3	1.144	2.035	15.9	18.8
2 11	6 38.66	+35 30.8	1.196	2.020	20.1	19.0
370383 2002 TG_{123}			1 7.8	86.°20	18.°6/13.5	18
12 3	7 41.79	−13 11.2	1.224	1.938	25.5	20.7
12 13	7 37.17	−15 24.5	1.175	1.948	23.2	20.6
12 23	7 29.20	−17 0.9	1.141	1.959	21.0	20.5
1 2	7 18.79	−17 48.7	1.122	1.969	19.3	20.4
1 12	7 7.46	−17 41.6	1.122	1.980	18.6	20.4
1 22	6 56.89	−16 41.4	1.141	1.990	19.0	20.4
2 1	6 48.62	−14 56.9	1.178	2.000	20.3	20.6
2 11	6 43.67	−12 42.1	1.232	2.010	22.2	20.7
2883 Barabashov			1 7.8	274.°69	0.°9/ 7.6	18
12 3	7 42.35	+23 0.7	1.453	2.274	17.3	16.6
12 13	7 37.70	+23 21.9	1.369	2.265	13.3	16.3
12 23	7 29.68	+23 49.0	1.306	2.255	8.6	16.0
1 2	7 19.05	+24 17.5	1.267	2.246	3.3	15.7
1 12	7 7.21	+24 42.6	1.256	2.237	2.7	15.6
1 22	6 55.87	+25 0.5	1.272	2.227	8.1	15.9
2 1	6 46.66	+25 10.3	1.314	2.218	13.2	16.2
2 11	6 40.73	+25 12.7	1.376	2.208	17.5	16.4
222279 2000 SL_{41}			1 7.8	89.°15	3.°4/ 6.7	18
12 3	7 41.76	+29 38.9	1.922	2.731	14.1	20.1
12 13	7 36.41	+30 26.0	1.852	2.739	10.9	19.9
12 23	7 28.38	+31 12.2	1.805	2.748	7.2	19.7
1 2	7 18.42	+31 52.1	1.785	2.756	4.0	19.5
1 12	7 7.74	+32 20.7	1.794	2.764	4.1	19.6
1 22	6 57.63	+32 35.6	1.832	2.772	7.4	19.8
2 1	6 49.32	+32 37.1	1.896	2.780	10.9	20.0
2 11	6 43.65	+32 27.6	1.984	2.788	14.0	20.2
492123 2013 LO_{18}			1 7.8	175.°00	1.°3/ 7.3	18
12 3	7 41.89	+24 53.3	2.388	3.182	12.2	22.3
12 13	7 35.97	+25 25.4	2.303	3.185	9.3	22.1
12 23	7 27.87	+25 59.6	2.243	3.187	5.9	21.9
1 2	7 18.20	+26 32.2	2.212	3.189	2.4	21.7
1 12	7 7.89	+27 0.1	2.212	3.190	2.3	21.7
1 22	6 57.95	+27 20.8	2.243	3.190	5.7	21.9
2 1	6 49.37	+27 33.8	2.303	3.190	9.1	22.1
2 11	6 42.88	+27 39.7	2.388	3.189	12.0	22.3
335875 2007 RL_{118}			1 7.8	19.°48	1.°4/ 7.4	18
12 3	7 37.52	+25 2.6	1.899	2.714	14.0	20.5
12 13	7 33.10	+25 22.4	1.826	2.719	10.7	20.3
12 23	7 26.22	+25 44.3	1.776	2.724	6.8	20.0
1 2	7 17.61	+26 4.7	1.753	2.730	2.7	19.8
1 12	7 8.36	+26 20.3	1.758	2.737	2.4	19.8
1 22	6 59.65	+26 29.3	1.792	2.744	6.4	20.0
2 1	6 52.56	+26 31.1	1.853	2.752	10.2	20.3
2 11	6 47.88	+26 26.8	1.937	2.760	13.5	20.5

467397 2005 GD_{52} 1 7.8 214.°25 0.°4/ 7.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.97	+20 8.7	2.859	3.647	10.5	22.8
12 13	7 31.90	+20 17.3	2.762	3.641	8.0	22.6
12 23	7 25.14	+20 29.5	2.691	3.634	5.2	22.4
1 2	7 17.17	+20 43.9	2.649	3.626	2.0	22.2
1 12	7 8.68	+20 58.7	2.638	3.618	1.4	22.1
1 22	7 0.43	+21 12.5	2.658	3.610	4.6	22.3
2 1	6 53.17	+21 24.5	2.708	3.602	7.6	22.5
2 11	6 47.50	+21 34.2	2.784	3.593	10.3	22.7

302928 2003 SE_{245} 1 7.8 74.°49 1.°8/ 7.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 44.76	+25 22.4	1.543	2.358	16.7	21.0
12 13	7 38.89	+25 49.4	1.487	2.380	12.7	20.8
12 23	7 29.98	+26 18.2	1.454	2.402	8.1	20.6
1 2	7 19.00	+26 43.8	1.446	2.424	3.3	20.3
1 12	7 7.42	+27 1.8	1.467	2.445	3.0	20.4
1 22	6 56.78	+27 10.0	1.515	2.467	7.5	20.7
2 1	6 48.37	+27 8.9	1.590	2.488	11.7	21.0
2 11	6 43.02	+27 0.6	1.688	2.509	15.3	21.3

354379 2003 SZ_{71} 1 7.8 141.°70 1.°9/ 7.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 45.12	+27 3.3	1.861	2.665	14.7	21.4
12 13	7 38.89	+27 17.4	1.787	2.673	11.3	21.2
12 23	7 29.92	+27 31.1	1.736	2.681	7.3	21.0
1 2	7 19.01	+27 40.4	1.713	2.689	3.2	20.7
1 12	7 7.41	+27 41.8	1.718	2.696	2.9	20.7
1 22	6 56.49	+27 34.1	1.753	2.702	6.9	21.0
2 1	6 47.47	+27 18.2	1.816	2.708	10.8	21.2
2 11	6 41.19	+26 56.4	1.902	2.714	14.2	21.5

485391 2011 KZ_{30} 1 7.8 199.°03 0.°4/ 7.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 44.45	+21 30.9	1.814	2.615	15.2	22.5
12 13	7 38.61	+21 58.3	1.727	2.612	11.6	22.3
12 23	7 29.92	+22 31.7	1.663	2.608	7.5	22.0
1 2	7 19.09	+23 7.5	1.626	2.604	2.8	21.7
1 12	7 7.30	+23 41.3	1.618	2.599	2.2	21.7
1 22	6 55.92	+24 9.7	1.640	2.592	6.9	22.0
2 1	6 46.30	+24 31.2	1.690	2.586	11.3	22.2
2 11	6 39.40	+24 46.0	1.763	2.578	15.0	22.4

229774 2008 LY_{14} 1 7.8 99.°46 2.°6/ 8.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.53	+15 52.4	2.149	2.937	13.6	20.4
12 13	7 34.82	+15 22.4	2.077	2.952	10.5	20.2
12 23	7 27.04	+14 58.5	2.030	2.966	7.0	20.0
1 2	7 17.87	+14 40.9	2.010	2.981	3.6	19.8
1 12	7 8.25	+14 29.1	2.020	2.995	3.0	19.8
1 22	6 59.18	+14 22.5	2.060	3.009	6.0	20.0
2 1	6 51.55	+14 20.4	2.128	3.023	9.3	20.3
2 11	6 46.02	+14 21.6	2.221	3.036	12.3	20.5

461028 2014 WA_{457} 1 7.8 349.°94 2.°5/ 7.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.37	+27 14.4	1.931	2.741	14.0	21.4
12 13	7 35.39	+27 53.7	1.851	2.741	10.7	21.2
12 23	7 27.79	+28 34.3	1.795	2.741	7.0	21.0
1 2	7 18.26	+29 11.4	1.766	2.741	3.4	20.8
1 12	7 7.93	+29 40.5	1.766	2.741	3.4	20.8
1 22	6 58.07	+29 58.7	1.794	2.741	7.0	21.0
2 1	6 49.88	+30 5.8	1.850	2.741	10.7	21.2
2 11	6 44.25	+30 3.3	1.929	2.741	14.0	21.4

202572 2006 FP_{11} 1 7.8 35.°09 0.°7/ 8.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 37.83	+19 11.9	1.968	2.773	14.0	20.0
12 13	7 33.21	+19 24.6	1.889	2.776	10.7	19.8
12 23	7 26.26	+19 43.7	1.834	2.779	6.9	19.5
1 2	7 17.65	+20 7.2	1.805	2.782	2.7	19.3
1 12	7 8.39	+20 32.4	1.805	2.786	1.9	19.2
1 22	6 59.57	+20 56.6	1.835	2.790	6.0	19.5
2 1	6 52.23	+21 18.3	1.892	2.793	9.9	19.8
2 11	6 47.16	+21 36.7	1.973	2.797	13.2	20.0

419112 2009 SQ_{192} 1 7.8 52.°31 1.°8/ 7.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.87	+26 31.2	1.855	2.667	14.5	21.5
12 13	7 35.73	+26 48.4	1.780	2.671	11.0	21.3
12 23	7 27.95	+27 6.1	1.728	2.675	7.1	21.0
1 2	7 18.29	+27 20.4	1.703	2.680	3.1	20.8
1 12	7 7.94	+27 28.1	1.707	2.685	2.8	20.8
1 22	6 58.18	+27 27.4	1.739	2.689	6.8	21.1
2 1	6 50.19	+27 18.6	1.798	2.694	10.7	21.3
2 11	6 44.79	+27 3.6	1.881	2.699	14.0	21.5

265662 2005 UG_9 1 7.8 80.°66 2.°2/ 7.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.66	+25 52.3	1.856	2.667	14.5	20.5
12 13	7 35.65	+26 38.1	1.781	2.672	11.0	20.3
12 23	7 27.96	+27 26.8	1.731	2.677	7.1	20.1
1 2	7 18.32	+28 13.1	1.707	2.683	3.2	19.8
1 12	7 7.91	+28 52.1	1.712	2.688	3.2	19.8
1 22	6 58.00	+29 20.5	1.745	2.693	7.0	20.1
2 1	6 49.83	+29 37.5	1.806	2.698	10.9	20.3
2 11	6 44.27	+29 44.4	1.890	2.703	14.2	20.5

468102 2013 WX_5 1 7.8 55.°75 1.°7/ 7.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.41	+23 27.6	2.020	2.826	13.6	20.3
12 13	7 34.35	+24 35.3	1.959	2.848	10.3	20.1
12 23	7 26.94	+25 47.3	1.923	2.869	6.5	19.9
1 2	7 17.89	+26 58.6	1.914	2.891	2.7	19.7
1 12	7 8.25	+28 3.6	1.936	2.913	2.7	19.7
1 22	6 59.14	+28 58.5	1.988	2.935	6.3	20.0
2 1	6 51.58	+29 41.4	2.067	2.958	9.8	20.3
2 11	6 46.34	+30 12.9	2.171	2.980	12.8	20.5

231142 2005 TC_{151} 1 7.8 278.°42 0.°8/ 8.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 41.18	+18 50.9	1.432	2.251	17.6	21.0
12 13	7 36.80	+19 9.1	1.348	2.241	13.6	20.7
12 23	7 29.13	+19 37.6	1.284	2.232	8.9	20.4
1 2	7 18.90	+20 13.7	1.245	2.223	3.5	20.0
1 12	7 7.45	+20 52.6	1.232	2.213	2.4	19.9
1 22	6 56.44	+21 30.2	1.247	2.204	8.0	20.3
2 1	6 47.46	+22 3.3	1.287	2.194	13.1	20.5
2 11	6 41.67	+22 30.7	1.348	2.185	17.5	20.8

249517 2010 CM_{62} 1 7.8 273.°95 1.°2/ 8.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 36.70	+16 21.8	2.231	3.026	12.9	20.2
12 13	7 32.18	+16 48.1	2.141	3.021	10.0	20.0
12 23	7 25.56	+17 23.2	2.074	3.016	6.5	19.8
1 2	7 17.41	+18 5.2	2.035	3.011	2.8	19.5
1 12	7 8.57	+18 51.3	2.026	3.006	1.9	19.5
1 22	7 0.01	+19 38.1	2.047	3.001	5.6	19.7
2 1	6 52.67	+20 23.1	2.097	2.996	9.2	19.9
2 11	6 47.30	+21 4.4	2.171	2.992	12.4	20.1

58074 1612 T_{-2} 1 7.8 74.°24 5.°5/ 6.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 48.09	+35 20.5	1.663	2.468	16.1	19.6
12 13	7 41.47	+35 58.5	1.610	2.491	12.6	19.5
12 23	7 31.63	+36 28.8	1.579	2.513	8.9	19.3
1 2	7 19.64	+36 44.4	1.574	2.536	5.9	19.2
1 12	7 7.09	+36 40.8	1.597	2.558	6.0	19.2
1 22	6 55.63	+36 17.7	1.648	2.580	8.8	19.4
2 1	6 46.63	+35 38.7	1.724	2.602	12.2	19.7
2 11	6 40.89	+34 49.5	1.824	2.623	15.2	19.9

317715 Guydetienne 1 7.8 107.°69 4.°4/ 9.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 37.44	+ 8 45.0	2.201	2.973	13.8	20.9
12 13	7 32.53	+ 8 26.7	2.125	2.983	11.0	20.7
12 23	7 25.65	+ 8 20.2	2.072	2.993	8.0	20.5
1 2	7 17.40	+ 8 26.3	2.046	3.002	5.3	20.4
1 12	7 8.65	+ 8 44.3	2.048	3.011	4.6	20.3
1 22	7 0.31	+ 9 12.2	2.080	3.020	6.6	20.5
2 1	6 53.24	+ 9 47.6	2.139	3.029	9.5	20.7
2 11	6 48.10	+10 27.2	2.223	3.038	12.3	20.9

292405 2006 SZ_{285} 1 7.8 36.°48 1.°0/ 8.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.90	+17 46.1	1.389	2.211	17.8	20.6
12 13	7 34.75	+18 12.4	1.328	2.224	13.7	20.3
12 23	7 27.56	+18 50.0	1.289	2.237	8.8	20.1
1 2	7 18.21	+19 35.3	1.274	2.251	3.5	19.8
1 12	7 8.08	+20 23.6	1.285	2.266	2.4	19.8
1 22	6 58.71	+21 9.8	1.324	2.281	7.5	20.1
2 1	6 51.43	+21 51.0	1.387	2.297	12.2	20.4
2 11	6 47.17	+22 25.4	1.473	2.313	16.1	20.7

351567 2005 UR_{178} 1 7.8 95.°10 0.°9/ 7.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 46.32	+22 34.1	1.527	2.337	17.1	21.2
12 13	7 40.10	+23 6.4	1.470	2.360	13.0	21.0
12 23	7 30.79	+23 43.8	1.435	2.382	8.2	20.7
1 2	7 19.37	+24 21.3	1.426	2.404	3.1	20.5
1 12	7 7.29	+24 53.7	1.445	2.425	2.5	20.5
1 22	6 56.11	+25 18.0	1.493	2.446	7.4	20.8
2 1	6 47.19	+25 33.4	1.568	2.466	11.8	21.2
2 11	6 41.36	+25 41.2	1.665	2.486	15.5	21.4

112034 2002 HT_9 1 7.8 155.°12 3.°2/ 8.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 41.26	+13 24.6	1.902	2.690	15.1	20.3
12 13	7 35.79	+13 15.0	1.823	2.696	11.8	20.1
12 23	7 27.91	+13 15.6	1.767	2.701	8.1	19.9
1 2	7 18.30	+13 26.1	1.737	2.706	4.4	19.6
1 12	7 8.02	+13 45.0	1.736	2.711	3.5	19.6
1 22	6 58.21	+14 10.0	1.764	2.714	6.7	19.8
2 1	6 49.96	+14 38.8	1.820	2.718	10.5	20.0
2 11	6 44.07	+15 9.1	1.901	2.721	13.9	20.3

340045 2005 UP_{509} 1 7.8 16.°59 1.°0/ 7.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.40	+20 6.9	1.168	2.003	19.7	20.7
12 13	7 36.53	+20 1.1	1.103	2.006	15.2	20.5
12 23	7 29.02	+20 3.5	1.058	2.009	9.8	20.2
1 2	7 18.84	+20 11.5	1.035	2.013	3.9	19.9
1 12	7 7.65	+20 22.0	1.037	2.018	2.7	19.8
1 22	6 57.31	+20 32.0	1.065	2.024	8.6	20.2
2 1	6 49.49	+20 40.1	1.116	2.030	14.0	20.5
2 11	6 45.24	+20 46.1	1.187	2.037	18.5	20.8

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
150059	2006 QA_{169}		1 7.8	349.°80	12.°1/ 5.2	18
	h m	° ′			°	m
12 3	7 45.19	+46 13.7	1.348	2.157	19.0	18.6
12 13	7 41.26	+47 38.2	1.284	2.149	16.2	18.4
12 23	7 32.62	+48 46.7	1.238	2.143	13.7	18.2
1 2	7 20.33	+49 26.1	1.215	2.137	12.2	18.1
1 12	7 6.56	+49 26.5	1.214	2.132	12.5	18.1
1 22	6 53.95	+48 46.2	1.235	2.129	14.6	18.2
2 1	6 44.73	+47 31.4	1.277	2.127	17.4	18.4
2 11	6 40.16	+45 53.2	1.338	2.126	20.3	18.6
283953	2004 QT_3		1 7.8	152.°78	2.°3/ 8.4	18
12 3	7 43.86	+15 28.7	2.037	2.820	14.3	22.4
12 13	7 37.58	+15 21.8	1.959	2.831	11.1	22.2
12 23	7 28.95	+15 22.9	1.904	2.841	7.4	22.0
1 2	7 18.68	+15 30.8	1.878	2.850	3.6	21.8
1 12	7 7.80	+15 44.1	1.881	2.858	2.8	21.7
1 22	6 57.44	+16 0.8	1.915	2.865	6.2	22.0
2 1	6 48.63	+16 19.3	1.977	2.872	9.9	22.2
2 11	6 42.14	+16 38.3	2.065	2.877	13.2	22.4
131394	2001 KC_{60}		1 7.8	154.°02	3.°0/ 9.2	18 R
12 3	7 36.04	+10 6.6	3.065	3.826	10.5	20.6
12 13	7 30.98	+10 4.7	2.981	3.835	8.3	20.5
12 23	7 24.46	+10 11.1	2.921	3.843	5.9	20.3
1 2	7 16.96	+10 25.7	2.890	3.850	3.7	20.2
1 12	7 9.07	+10 47.6	2.890	3.857	3.1	20.1
1 22	7 1.45	+11 15.3	2.922	3.864	4.8	20.3
2 1	6 54.72	+11 47.0	2.983	3.870	7.2	20.4
2 11	6 49.39	+12 20.9	3.070	3.875	9.5	20.6
459337	2012 HO_{39}		1 7.8	229.°74	2.°0/ 7.2	17
12 3	7 42.35	+28 34.4	2.695	3.484	11.1	22.6
12 13	7 36.27	+28 50.3	2.591	3.469	8.5	22.4
12 23	7 28.10	+29 5.0	2.513	3.454	5.6	22.1
1 2	7 18.39	+29 15.3	2.464	3.438	2.7	21.9
1 12	7 8.01	+29 18.7	2.446	3.421	2.6	21.9
1 22	6 57.89	+29 13.8	2.460	3.403	5.5	22.1
2 1	6 48.98	+29 0.9	2.503	3.385	8.6	22.2
2 11	6 42.01	+28 41.5	2.572	3.366	11.4	22.4
455022	2015 TD_{322}		1 7.8	83.°30	4.°3/ 6.7	18
12 3	7 45.98	+29 37.2	1.508	2.325	17.0	20.8
12 13	7 40.21	+30 38.3	1.451	2.342	13.0	20.6
12 23	7 31.08	+31 38.6	1.416	2.360	8.7	20.4
1 2	7 19.56	+32 30.2	1.406	2.377	4.9	20.2
1 12	7 7.22	+33 6.3	1.424	2.394	5.1	20.3
1 22	6 55.79	+33 23.9	1.470	2.411	8.8	20.5
2 1	6 46.77	+33 24.2	1.541	2.428	12.7	20.8
2 11	6 41.09	+33 11.2	1.633	2.444	16.2	21.1
205313	2000 TM_{18}		1 7.8	37.°67	2.°6/ 8.3	17
12 3	7 40.51	+16 58.8	1.175	2.005	20.0	20.1
12 13	7 36.24	+16 44.6	1.124	2.022	15.4	19.8
12 23	7 28.59	+16 42.0	1.093	2.041	10.1	19.6
1 2	7 18.61	+16 49.5	1.084	2.060	4.6	19.3
1 12	7 7.95	+17 4.4	1.100	2.080	3.4	19.3
1 22	6 58.32	+17 23.5	1.142	2.101	8.3	19.7
2 1	6 51.17	+17 44.2	1.208	2.122	13.2	20.0
2 11	6 47.35	+18 4.5	1.295	2.144	17.4	20.3
177421	2004 CC_{13}		1 7.8	121.°24	4.°8/ 7.1	18
12 3	7 48.49	+35 44.2	1.934	2.729	14.6	19.9
12 13	7 41.51	+36 2.3	1.864	2.739	11.4	19.7
12 23	7 31.60	+36 12.5	1.817	2.749	8.1	19.6
1 2	7 19.70	+36 9.3	1.798	2.759	5.3	19.4
1 12	7 7.19	+35 49.1	1.807	2.769	5.2	19.4
1 22	6 55.57	+35 11.9	1.845	2.778	7.9	19.6
2 1	6 46.10	+34 21.2	1.911	2.787	11.2	19.8
2 11	6 39.60	+33 22.2	2.000	2.796	14.2	20.0
336043	2007 WZ		1 7.8	67.°00	3.°4/ 6.8	18
12 3	7 39.98	+31 58.1	2.338	3.139	12.2	20.9
12 13	7 34.72	+32 28.1	2.259	3.141	9.4	20.7
12 23	7 27.19	+32 55.1	2.203	3.142	6.4	20.5
1 2	7 18.06	+33 14.9	2.176	3.143	3.8	20.3
1 12	7 8.31	+33 24.1	2.178	3.145	3.9	20.3
1 22	6 59.03	+33 21.3	2.209	3.146	6.5	20.5
2 1	6 51.21	+33 7.3	2.268	3.148	9.5	20.7
2 11	6 45.60	+32 44.3	2.352	3.149	12.3	20.9
302441	2002 EB_{41}		1 7.8	293.°47	0.°0/ 7.7	18
12 3	7 41.22	+22 0.9	1.514	2.333	16.8	20.6
12 13	7 36.78	+22 1.7	1.423	2.318	13.0	20.4
12 23	7 29.12	+22 7.5	1.353	2.302	8.4	20.0
1 2	7 18.96	+22 15.3	1.309	2.287	3.2	19.7
1 12	7 7.61	+22 22.0	1.291	2.272	2.3	19.6
1 22	6 56.67	+22 25.3	1.301	2.257	7.8	19.9
2 1	6 47.69	+22 24.4	1.336	2.242	12.8	20.1
2 11	6 41.81	+22 20.2	1.393	2.228	17.2	20.4

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
188507	2004 RF_6		1 7.8	127.°95	1.°9/ 7.0	18
	h m	° ′			°	m
12 3	7 41.90	+26 33.2	2.534	3.326	11.6	21.2
12 13	7 35.83	+27 17.7	2.463	3.343	8.8	21.1
12 23	7 27.74	+28 2.9	2.418	3.360	5.7	20.9
1 2	7 18.24	+28 45.0	2.402	3.376	2.6	20.7
1 12	7 8.22	+29 20.4	2.417	3.392	2.6	20.7
1 22	6 58.63	+29 46.9	2.464	3.407	5.6	21.0
2 1	6 50.38	+30 4.0	2.539	3.421	8.5	21.2
2 11	6 44.12	+30 12.7	2.641	3.435	11.2	21.4
428988	2009 AY_{13}		1 7.8	334.°47	1.°5/ 8.4	18
12 3	7 35.95	+15 50.2	2.161	2.958	13.2	21.1
12 13	7 31.68	+16 15.1	2.074	2.954	10.2	20.9
12 23	7 25.31	+16 49.4	2.009	2.951	6.7	20.7
1 2	7 17.39	+17 31.3	1.972	2.948	3.0	20.4
1 12	7 8.79	+18 17.9	1.965	2.945	2.1	20.4
1 22	7 0.49	+19 5.9	1.987	2.942	5.7	20.6
2 1	6 53.44	+19 52.5	2.038	2.939	9.3	20.8
2 11	6 48.39	+20 35.7	2.113	2.937	12.5	21.0
265807	2005 XS_{26}		1 7.8	199.°74	0.°1/ 7.9	18
12 3	7 41.27	+22 28.9	2.496	3.286	11.8	21.1
12 13	7 35.38	+22 19.6	2.403	3.283	9.0	20.9
12 23	7 27.48	+22 11.7	2.336	3.279	5.8	20.7
1 2	7 18.15	+22 3.7	2.297	3.275	2.2	20.4
1 12	7 8.27	+21 54.3	2.289	3.270	1.6	20.4
1 22	6 58.75	+21 42.8	2.312	3.264	5.2	20.6
2 1	6 50.49	+21 29.4	2.365	3.258	8.6	20.8
2 11	6 44.18	+21 14.7	2.444	3.252	11.5	21.0
322867	2001 UM_{157}		1 7.8	74.°08	7.°1/ 9.8	18
12 3	7 40.41	+ 4 29.0	1.816	2.579	16.6	20.7
12 13	7 34.97	+ 3 34.8	1.758	2.603	13.6	20.6
12 23	7 27.26	+ 2 57.1	1.722	2.626	10.5	20.4
1 2	7 18.05	+ 2 38.8	1.710	2.649	7.9	20.3
1 12	7 8.39	+ 2 40.2	1.726	2.672	7.2	20.3
1 22	6 59.39	+ 2 59.8	1.769	2.695	8.8	20.5
2 1	6 52.00	+ 3 33.9	1.839	2.717	11.4	20.7
2 11	6 46.92	+ 4 17.8	1.931	2.740	14.1	20.9
352117	2007 EB_{39}		1 7.8	211.°28	0.°9/ 8.1	18
12 3	7 43.05	+18 19.3	1.774	2.574	15.5	21.3
12 13	7 37.61	+18 36.9	1.685	2.568	12.0	21.1
12 23	7 29.36	+19 3.1	1.618	2.562	7.8	20.8
1 2	7 18.99	+19 35.5	1.579	2.556	3.2	20.5
1 12	7 7.64	+20 10.3	1.568	2.548	2.2	20.5
1 22	6 56.67	+20 44.2	1.586	2.541	6.9	20.7
2 1	6 47.39	+21 14.8	1.632	2.532	11.3	21.0
2 11	6 40.79	+21 41.1	1.702	2.523	15.2	21.2
311008	2003 YK_{17}		1 7.8	57.°42	1.°5/ 7.5	17
12 3	7 44.68	+25 6.9	1.427	2.247	17.6	19.8
12 13	7 38.96	+25 23.7	1.377	2.272	13.3	19.6
12 23	7 30.10	+25 42.3	1.349	2.298	8.4	19.3
1 2	7 19.14	+25 58.0	1.346	2.324	3.3	19.1
1 12	7 7.66	+26 6.9	1.371	2.350	2.8	19.1
1 22	6 57.24	+26 7.2	1.422	2.376	7.6	19.5
2 1	6 49.20	+25 59.9	1.500	2.402	12.0	19.8
2 11	6 44.33	+25 46.9	1.600	2.428	15.6	20.1
496698	2016 EP_{126}		1 7.8	29.°12	0.°8/ 8.0	18
12 3	7 38.64	+19 39.1	1.906	2.712	14.3	21.5
12 13	7 33.93	+19 43.4	1.827	2.714	11.0	21.3
12 23	7 26.81	+19 53.6	1.771	2.717	7.1	21.0
1 2	7 17.96	+20 7.7	1.742	2.719	2.8	20.8
1 12	7 8.43	+20 23.2	1.741	2.722	1.9	20.7
1 22	6 59.37	+20 38.2	1.769	2.724	6.2	21.0
2 1	6 51.87	+20 51.2	1.825	2.727	10.2	21.2
2 11	6 46.71	+21 1.9	1.904	2.730	13.6	21.5
253043	2002 SE_{37}		1 7.8	69.°64	0.°3/ 7.7	18
12 3	7 34.43	+22 23.0	3.016	3.811	9.9	20.7
12 13	7 29.88	+22 42.2	2.942	3.824	7.5	20.6
12 23	7 23.82	+23 3.8	2.893	3.838	4.7	20.4
1 2	7 16.75	+23 25.9	2.874	3.851	1.8	20.2
1 12	7 9.31	+23 46.7	2.885	3.865	1.3	20.2
1 22	7 2.19	+24 4.7	2.927	3.879	4.3	20.5
2 1	6 56.03	+24 19.0	2.999	3.892	7.0	20.7
2 11	6 51.35	+24 29.6	3.096	3.906	9.3	20.8
145251	2005 JP_{112}		1 7.8	129.°48	1.°4/ 8.3	18
12 3	7 41.64	+17 16.4	2.231	3.018	13.2	20.9
12 13	7 35.70	+17 19.5	2.158	3.034	10.1	20.7
12 23	7 27.67	+17 28.9	2.109	3.049	6.6	20.5
1 2	7 18.22	+17 43.2	2.089	3.064	2.9	20.3
1 12	7 8.27	+18 0.3	2.098	3.078	2.1	20.3
1 22	6 58.82	+18 18.4	2.139	3.091	5.6	20.6
2 1	6 50.78	+18 36.1	2.208	3.104	9.0	20.8
2 11	6 44.82	+18 52.7	2.303	3.116	12.0	21.0

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
450750 2007 HC_{85}			1 7.8 206.°45		4.°9/ 6.2 18	
	h m	° ′			°	m
12 3	7 46.53	+32 0.8	1.799	2.604	15.1	22.1
12 13	7 40.63	+33 8.2	1.716	2.599	11.8	21.9
12 23	7 31.49	+34 14.7	1.657	2.594	8.2	21.6
1 2	7 19.84	+35 12.6	1.625	2.589	5.3	21.5
1 12	7 7.03	+35 54.4	1.621	2.583	5.7	21.5
1 22	6 54.69	+36 16.3	1.645	2.576	8.9	21.6
2 1	6 44.35	+36 18.7	1.696	2.569	12.5	21.8
2 11	6 37.14	+36 5.6	1.769	2.561	15.9	22.0
123129 2000 TX_{11}			1 7.8	54.°98	3.°4/ 8.9 18	
12 3	7 37.98	+12 31.8	1.903	2.695	14.9	20.2
12 13	7 33.36	+12 23.2	1.823	2.697	11.7	20.0
12 23	7 26.43	+12 25.6	1.765	2.699	8.1	19.8
1 2	7 17.82	+12 39.2	1.734	2.702	4.6	19.6
1 12	7 8.53	+13 2.3	1.730	2.704	3.7	19.5
1 22	6 59.68	+13 32.7	1.756	2.706	6.7	19.7
2 1	6 52.28	+14 7.6	1.808	2.708	10.4	19.9
2 11	6 47.14	+14 44.2	1.885	2.711	13.7	20.1
147845 2005 UY_{14}			1 7.8	33.°71	0.°8/ 7.6 18	
12 3	7 39.69	+22 55.8	1.755	2.569	15.1	20.3
12 13	7 34.99	+23 18.3	1.680	2.572	11.5	20.1
12 23	7 27.60	+23 45.3	1.628	2.576	7.3	19.8
1 2	7 18.28	+24 13.1	1.602	2.580	2.8	19.6
1 12	7 8.20	+24 37.9	1.604	2.584	2.2	19.5
1 22	6 58.67	+24 56.9	1.634	2.588	6.7	19.8
2 1	6 50.88	+25 9.2	1.692	2.593	10.9	20.1
2 11	6 45.71	+25 15.2	1.772	2.598	14.5	20.3
105384 2000 QO_{136}			1 7.8	104.°20	1.°0/ 8.1 17	
12 3	7 44.99	+18 42.3	1.755	2.553	15.7	21.6
12 13	7 38.67	+18 49.8	1.694	2.576	12.0	21.4
12 23	7 29.73	+19 4.1	1.655	2.598	7.7	21.2
1 2	7 19.01	+19 22.9	1.643	2.620	3.1	21.0
1 12	7 7.76	+19 43.0	1.661	2.641	2.1	21.0
1 22	6 57.26	+20 2.2	1.708	2.662	6.5	21.3
2 1	6 48.66	+20 19.0	1.783	2.682	10.6	21.6
2 11	6 42.72	+20 33.1	1.881	2.701	14.0	21.8
53567 2000 CB_{33}			1 7.8	180.°71	2.°8/ 8.7 18	
12 3	7 42.42	+13 54.7	1.746	2.539	16.0	19.3
12 13	7 37.02	+14 0.4	1.664	2.540	12.5	19.1
12 23	7 28.91	+14 18.0	1.603	2.541	8.5	18.8
1 2	7 18.80	+14 46.4	1.569	2.541	4.3	18.6
1 12	7 7.84	+15 22.8	1.564	2.541	3.2	18.5
1 22	6 57.33	+16 3.9	1.587	2.540	7.1	18.7
2 1	6 48.50	+16 46.5	1.638	2.538	11.3	19.0
2 11	6 42.28	+17 28.0	1.712	2.536	15.0	19.2
165879 2001 SQ_{140}			1 7.8	74.°19	4.°0/ 6.6 18	
12 3	7 40.96	+33 51.5	2.295	3.094	12.4	19.9
12 13	7 35.49	+34 26.6	2.224	3.103	9.7	19.7
12 23	7 27.69	+34 57.3	2.176	3.111	6.7	19.6
1 2	7 18.27	+35 18.9	2.157	3.119	4.4	19.4
1 12	7 8.27	+35 27.8	2.166	3.128	4.5	19.4
1 22	6 58.81	+35 23.0	2.205	3.136	6.9	19.6
2 1	6 50.92	+35 5.4	2.271	3.145	9.8	19.8
2 11	6 45.35	+34 37.9	2.361	3.153	12.4	20.0
197923 2004 RO_{54}			1 7.8	161.°78	2.°9/ 7.0 18	
12 3	7 46.99	+29 6.1	2.080	2.874	13.7	21.8
12 13	7 40.22	+29 41.7	2.002	2.883	10.5	21.6
12 23	7 30.80	+30 16.3	1.949	2.890	6.9	21.4
1 2	7 19.46	+30 44.6	1.924	2.896	3.6	21.2
1 12	7 7.40	+31 2.5	1.929	2.902	3.6	21.2
1 22	6 55.92	+31 8.0	1.965	2.906	6.9	21.4
2 1	6 46.19	+31 1.7	2.029	2.910	10.4	21.6
2 11	6 39.09	+30 46.2	2.117	2.913	13.5	21.8
422014 2014 QH_{333}			1 7.8	98.°20	1.°0/ 8.2 18	
12 3	7 41.81	+17 55.0	1.992	2.786	14.2	21.8
12 13	7 36.03	+18 13.6	1.928	2.808	10.9	21.6
12 23	7 27.97	+18 39.4	1.887	2.830	7.0	21.5
1 2	7 18.35	+19 9.9	1.875	2.851	2.9	21.2
1 12	7 8.23	+19 42.0	1.892	2.872	1.9	21.2
1 22	6 58.71	+20 13.1	1.939	2.892	5.9	21.5
2 1	6 50.77	+20 41.4	2.014	2.912	9.6	21.8
2 11	6 45.14	+21 5.9	2.114	2.931	12.7	22.0
452882 2006 TM_{53}			1 7.8	5.°69	11.°1/ 9.9 18	
12 3	7 36.91	− 0 19.8	1.518	2.283	19.2	20.4
12 13	7 33.00	− 1 55.5	1.449	2.283	16.5	20.2
12 23	7 26.42	− 3 10.7	1.398	2.284	13.8	20.0
1 2	7 17.87	− 3 58.6	1.370	2.285	11.7	19.9
1 12	7 8.54	− 4 15.3	1.365	2.287	11.1	19.9
1 22	6 59.71	− 4 0.9	1.384	2.290	12.4	19.9
2 1	6 52.60	− 3 19.5	1.426	2.293	14.8	20.1
2 11	6 48.11	− 2 18.6	1.488	2.297	17.6	20.3

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
376380 2012 DP_{25}			1 7.8	202.°77	4.°6/ 6.2 18	
	h m	° ′			°	m
12 3	7 44.08	+35 18.1	2.407	3.198	12.2	21.8
12 13	7 37.97	+36 5.0	2.321	3.193	9.6	21.6
12 23	7 29.38	+36 47.5	2.260	3.189	6.9	21.4
1 2	7 18.96	+37 20.1	2.227	3.184	4.9	21.3
1 12	7 7.76	+37 38.4	2.223	3.178	5.1	21.3
1 22	6 56.96	+37 40.5	2.249	3.172	7.3	21.4
2 1	6 47.71	+37 27.3	2.303	3.165	10.1	21.6
2 11	6 40.84	+37 1.9	2.381	3.158	12.7	21.7
417165 2005 WG_{51}			1 7.8	10.°29	1.°8/ 7.3 18	
12 3	7 39.51	+24 59.0	1.774	2.589	14.9	21.5
12 13	7 34.93	+25 33.6	1.697	2.590	11.3	21.3
12 23	7 27.63	+26 11.7	1.643	2.591	7.3	21.1
1 2	7 18.33	+26 48.5	1.615	2.592	3.1	20.8
1 12	7 8.22	+27 19.7	1.615	2.594	2.8	20.8
1 22	6 58.60	+27 42.0	1.644	2.595	7.0	21.1
2 1	6 50.74	+27 54.6	1.699	2.597	11.1	21.3
2 11	6 45.52	+27 58.6	1.778	2.599	14.6	21.5
154093 2002 CB_{289}			1 7.8	135.°88	0.°3/ 7.9 18	
12 3	7 40.20	+20 15.1	2.462	3.251	12.0	20.8
12 13	7 34.53	+20 32.1	2.385	3.264	9.1	20.7
12 23	7 26.91	+20 53.4	2.334	3.277	5.8	20.5
1 2	7 17.96	+21 16.8	2.311	3.289	2.2	20.3
1 12	7 8.52	+21 39.9	2.320	3.300	1.5	20.2
1 22	6 59.50	+22 0.8	2.359	3.311	5.1	20.5
2 1	6 51.74	+22 18.4	2.428	3.322	8.4	20.7
2 11	6 45.89	+22 32.5	2.522	3.331	11.2	20.9
353239 2010 CN_{107}			1 7.8	95.°58	6.°8/10.1 18	
12 3	7 40.03	+ 5 8.1	1.533	2.313	18.4	21.1
12 13	7 35.36	+ 4 51.5	1.461	2.319	15.1	20.9
12 23	7 27.91	+ 4 55.4	1.410	2.326	11.3	20.7
1 2	7 18.44	+ 5 21.9	1.382	2.333	8.0	20.5
1 12	7 8.16	+ 6 9.7	1.380	2.340	6.9	20.5
1 22	6 58.43	+ 7 14.7	1.405	2.346	9.1	20.6
2 1	6 50.52	+ 8 30.7	1.456	2.353	12.7	20.8
2 11	6 45.32	+ 9 51.2	1.529	2.359	16.2	21.1
135433 2001 UA_{142}			1 7.8	333.°12	0.°3/ 7.8 18	
12 3	7 38.03	+21 37.8	1.576	2.398	16.1	19.9
12 13	7 34.16	+21 58.1	1.492	2.389	12.4	19.6
12 23	7 27.35	+22 25.0	1.430	2.380	8.0	19.3
1 2	7 18.31	+22 55.2	1.393	2.372	3.0	19.0
1 12	7 8.26	+23 24.6	1.383	2.364	2.2	18.9
1 22	6 58.65	+23 49.7	1.401	2.357	7.3	19.2
2 1	6 50.87	+24 8.7	1.444	2.351	12.0	19.5
2 11	6 45.94	+24 21.4	1.509	2.345	16.0	19.7
343978 2011 LK_{25}			1 7.8	285.°92	0.°3/ 7.9 18	
12 3	7 42.96	+21 23.9	1.359	2.182	18.2	21.4
12 13	7 38.32	+21 21.5	1.279	2.175	14.0	21.1
12 23	7 30.21	+21 24.9	1.219	2.168	9.1	20.8
1 2	7 19.43	+21 31.3	1.183	2.161	3.5	20.5
1 12	7 7.49	+21 37.4	1.173	2.154	2.4	20.4
1 22	6 56.13	+21 40.8	1.191	2.148	8.2	20.7
2 1	6 47.02	+21 40.8	1.233	2.141	13.5	21.0
2 11	6 41.31	+21 38.1	1.296	2.135	18.0	21.2
396527 2014 GR_{28}			1 7.8	223.°39	0.°8/ 7.6 18	
12 3	7 43.94	+22 42.6	1.657	2.467	16.0	22.1
12 13	7 38.59	+23 8.1	1.571	2.460	12.3	21.9
12 23	7 30.17	+23 39.3	1.506	2.453	7.9	21.6
1 2	7 19.38	+24 11.8	1.467	2.445	3.0	21.3
1 12	7 7.52	+24 41.1	1.457	2.437	2.4	21.2
1 22	6 56.10	+25 3.7	1.476	2.429	7.4	21.5
2 1	6 46.56	+25 18.3	1.521	2.420	12.1	21.8
2 11	6 39.99	+25 25.6	1.589	2.411	16.0	22.0
88936 2001 TN_{32}			1 7.8	181.°45	1.°8/ 7.5 18	
12 3	7 46.22	+26 45.9	1.837	2.639	15.0	20.4
12 13	7 39.95	+26 59.2	1.755	2.640	11.5	20.1
12 23	7 30.79	+27 12.5	1.696	2.641	7.4	19.9
1 2	7 19.54	+27 21.6	1.664	2.641	3.2	19.6
1 12	7 7.47	+27 22.8	1.662	2.640	2.8	19.6
1 22	6 56.00	+27 14.8	1.690	2.639	7.0	19.9
2 1	6 46.43	+26 58.4	1.744	2.637	11.1	20.1
2 11	6 39.68	+26 36.0	1.823	2.635	14.7	20.3
314866 2006 UD_{265}			1 7.8	127.°94	4.°7/ 6.6 18	
12 3	7 45.40	+33 36.0	1.935	2.736	14.3	21.2
12 13	7 39.32	+34 21.4	1.865	2.745	11.2	21.0
12 23	7 30.37	+35 2.4	1.818	2.754	7.8	20.9
1 2	7 19.37	+35 32.8	1.799	2.762	5.1	20.7
1 12	7 7.62	+35 47.5	1.808	2.770	5.2	20.7
1 22	6 56.55	+35 44.9	1.845	2.777	8.0	20.9
2 1	6 47.44	+35 26.6	1.910	2.784	11.3	21.1
2 11	6 41.17	+34 56.7	1.997	2.791	14.2	21.3

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
438266 2005 XG_{55}			1 7.8	56.°48	1.°1/ 7.7	17
	h m	° ′			°	m
12 3	7 45.72	+24 1.2	1.209	2.038	19.6	20.5
12 13	7 40.24	+24 13.2	1.162	2.061	14.9	20.3
12 23	7 31.16	+24 28.8	1.133	2.084	9.4	20.1
1 2	7 19.65	+24 43.0	1.129	2.108	3.6	19.8
1 12	7 7.51	+24 51.4	1.151	2.132	2.8	19.8
1 22	6 56.60	+24 52.0	1.199	2.156	8.3	20.2
2 1	6 48.42	+24 45.6	1.272	2.180	13.2	20.6
2 11	6 43.82	+24 34.2	1.366	2.204	17.3	20.9
35299 1996 VK_{8}			1 7.8	60.°00	0.°3/ 7.8	18
12 3	7 45.33	+22 52.0	1.642	2.450	16.2	18.6
12 13	7 38.91	+22 57.3	1.597	2.486	12.2	18.4
12 23	7 29.82	+23 5.6	1.575	2.522	7.7	18.2
1 2	7 19.04	+23 13.6	1.580	2.558	2.8	18.0
1 12	7 7.95	+23 18.5	1.613	2.594	2.1	18.1
1 22	6 57.86	+23 19.2	1.675	2.629	6.6	18.4
2 1	6 49.89	+23 15.7	1.765	2.665	10.6	18.7
2 11	6 44.69	+23 9.1	1.877	2.700	13.9	19.0
330148 2006 AQ_{69}			1 7.9	212.°60	1.°2/ 7.4	18
12 3	7 39.65	+23 29.3	2.282	3.081	12.5	20.9
12 13	7 34.54	+24 11.6	2.192	3.077	9.5	20.7
12 23	7 27.19	+24 58.1	2.127	3.073	6.1	20.5
1 2	7 18.19	+25 45.2	2.091	3.068	2.4	20.2
1 12	7 8.44	+26 28.8	2.084	3.063	2.2	20.2
1 22	6 58.97	+27 5.8	2.108	3.058	5.9	20.4
2 1	6 50.81	+27 34.6	2.161	3.052	9.4	20.6
2 11	6 44.75	+27 55.3	2.238	3.046	12.5	20.8
407548 2010 WD_{55}			1 7.9	80.°86	1.°0/ 7.5	18
12 3	7 40.12	+22 37.7	1.873	2.682	14.5	20.3
12 13	7 35.21	+23 17.2	1.798	2.688	11.0	20.1
12 23	7 27.74	+24 1.9	1.747	2.694	7.0	19.9
1 2	7 18.42	+24 47.7	1.722	2.700	2.7	19.6
1 12	7 8.35	+25 30.1	1.727	2.706	2.3	19.6
1 22	6 58.76	+26 5.7	1.760	2.712	6.5	19.9
2 1	6 50.81	+26 32.7	1.821	2.719	10.5	20.1
2 11	6 45.35	+26 51.3	1.906	2.725	13.9	20.4
197305 2003 WJ_{133}			1 7.9	353.°69	3.°5/ 8.6	18
12 3	7 37.57	+13 36.5	2.010	2.802	14.2	20.1
12 13	7 32.97	+13 2.4	1.926	2.801	11.2	19.9
12 23	7 26.17	+12 36.5	1.866	2.799	7.8	19.6
1 2	7 17.79	+12 19.4	1.832	2.798	4.5	19.4
1 12	7 8.80	+12 11.1	1.826	2.798	3.8	19.4
1 22	7 0.21	+12 11.0	1.849	2.797	6.6	19.6
2 1	6 53.01	+12 17.7	1.899	2.797	10.1	19.8
2 11	6 47.95	+12 29.4	1.974	2.797	13.3	20.0
296325 2009 EG_{16}			1 7.9	203.°41	0.°0/ 7.7	18
12 3	7 42.65	+21 49.3	2.062	2.859	13.7	21.9
12 13	7 36.95	+21 58.2	1.972	2.855	10.5	21.7
12 23	7 28.79	+22 10.8	1.906	2.850	6.8	21.5
1 2	7 18.81	+22 24.7	1.867	2.845	2.6	21.2
1 12	7 8.07	+22 37.2	1.859	2.840	1.8	21.1
1 22	6 57.71	+22 46.3	1.881	2.833	6.1	21.4
2 1	6 48.87	+22 51.4	1.930	2.827	10.1	21.6
2 11	6 42.39	+22 52.8	2.005	2.819	13.5	21.8
200864 2001 YC_{75}			1 7.9	21.°14	1.°5/ 7.7	18
12 3	7 43.69	+26 10.6	1.330	2.157	18.2	19.7
12 13	7 38.83	+26 5.7	1.261	2.160	14.0	19.5
12 23	7 30.44	+26 0.8	1.212	2.163	9.0	19.2
1 2	7 19.49	+25 51.8	1.188	2.166	3.6	18.9
1 12	7 7.63	+25 35.6	1.191	2.170	2.9	18.9
1 22	6 56.66	+25 11.5	1.219	2.175	8.2	19.2
2 1	6 48.17	+24 41.4	1.273	2.180	13.2	19.5
2 11	6 43.14	+24 8.3	1.347	2.186	17.4	19.8
184047 2004 FX_{92}			1 7.9	220.°33	0.°3/ 7.9	18
12 3	7 40.27	+19 38.3	2.067	2.865	13.7	21.3
12 13	7 35.18	+20 3.1	1.976	2.859	10.5	21.1
12 23	7 27.69	+20 34.7	1.908	2.853	6.8	20.9
1 2	7 18.42	+21 10.4	1.869	2.846	2.6	20.6
1 12	7 8.35	+21 46.9	1.859	2.840	1.8	20.5
1 22	6 58.59	+22 21.1	1.879	2.832	6.0	20.8
2 1	6 50.23	+22 51.0	1.927	2.825	10.0	21.0
2 11	6 44.13	+23 15.8	1.999	2.817	13.4	21.2
131603 2001 XD_{18}			1 7.9	315.°24	3.°9/ 7.1	18
12 3	7 41.81	+29 20.0	1.331	2.162	18.0	19.8
12 13	7 37.93	+29 49.0	1.246	2.146	14.0	19.5
12 23	7 30.27	+30 17.8	1.181	2.130	9.4	19.2
1 2	7 19.59	+30 39.6	1.140	2.114	4.9	18.9
1 12	7 7.48	+30 47.9	1.124	2.099	4.8	18.9
1 22	6 55.89	+30 39.4	1.134	2.084	9.5	19.1
2 1	6 46.73	+30 15.4	1.167	2.070	14.6	19.3
2 11	6 41.29	+29 40.1	1.221	2.057	19.0	19.6

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
11719 Hicklen			1 7.9	286.°28	0.°7/ 7.7	18
	h m	° ′			°	m
12 3	7 39.53	+23 2.0	1.950	2.758	14.0	18.5
12 13	7 34.74	+23 22.2	1.865	2.754	10.7	18.2
12 23	7 27.46	+23 46.2	1.803	2.750	6.8	18.0
1 2	7 18.33	+24 11.1	1.768	2.746	2.6	17.7
1 12	7 8.42	+24 33.2	1.762	2.742	2.1	17.7
1 22	6 58.93	+24 50.3	1.785	2.738	6.3	17.9
2 1	6 50.97	+25 1.3	1.836	2.735	10.3	18.2
2 11	6 45.42	+25 6.4	1.910	2.731	13.8	18.4
261072 2005 SX_{207}			1 7.9	43.°16	2.°0/ 7.7	18
12 3	7 45.79	+29 9.2	1.571	2.385	16.5	19.5
12 13	7 39.73	+28 46.2	1.507	2.398	12.6	19.2
12 23	7 30.61	+28 18.7	1.465	2.411	8.2	19.0
1 2	7 19.44	+27 43.6	1.449	2.425	3.5	18.8
1 12	7 7.74	+26 59.7	1.461	2.439	3.0	18.8
1 22	6 57.05	+26 8.3	1.501	2.454	7.4	19.1
2 1	6 48.65	+25 12.7	1.568	2.469	11.6	19.4
2 11	6 43.34	+24 16.8	1.658	2.484	15.3	19.6
201856 2003 YF_{118}			1 7.9	228.°42	6.°6/ 7.9	17
12 3	7 59.28	+37 52.3	1.234	2.042	20.5	19.6
12 13	7 51.67	+37 47.2	1.156	2.037	16.5	19.3
12 23	7 39.10	+37 26.9	1.096	2.031	11.8	19.1
1 2	7 22.84	+36 40.9	1.061	2.025	7.6	18.8
1 12	7 5.32	+35 23.4	1.052	2.019	7.1	18.8
1 22	6 49.27	+33 37.8	1.069	2.012	11.1	19.0
2 1	6 36.95	+31 35.1	1.112	2.005	16.1	19.2
2 11	6 29.49	+29 28.4	1.176	1.997	20.6	19.5
309924 2009 FU_{34}			1 7.9	36.°48	4.°1/ 6.7	18
12 3	7 42.94	+29 34.2	1.578	2.397	16.2	21.0
12 13	7 38.05	+30 26.9	1.506	2.399	12.5	20.7
12 23	7 29.89	+31 19.9	1.456	2.401	8.4	20.5
1 2	7 19.32	+32 5.9	1.432	2.404	4.7	20.3
1 12	7 7.75	+32 38.5	1.435	2.406	4.9	20.3
1 22	6 56.83	+32 54.3	1.466	2.409	8.6	20.5
2 1	6 48.06	+32 53.7	1.522	2.412	12.7	20.8
2 11	6 42.49	+32 40.1	1.599	2.415	16.3	21.0
81377 2000 GG_{69}			1 7.9	178.°08	5.°8/ 9.7	18
12 3	7 39.01	+ 4 56.6	2.289	3.040	13.9	19.3
12 13	7 33.78	+ 4 24.1	2.203	3.042	11.4	19.1
12 23	7 26.56	+ 4 4.7	2.140	3.043	8.7	19.0
1 2	7 17.94	+ 4 0.3	2.103	3.044	6.5	18.8
1 12	7 8.75	+ 4 11.3	2.095	3.044	5.9	18.8
1 22	6 59.88	+ 4 36.2	2.116	3.044	7.4	18.9
2 1	6 52.20	+ 5 12.6	2.165	3.043	10.0	19.0
2 11	6 46.42	+ 5 56.7	2.239	3.042	12.6	19.2
60979 2000 KW_{7}			1 7.9	107.°58	0.°4/ 7.7	18
12 3	7 44.04	+20 18.0	1.622	2.429	16.4	18.8
12 13	7 38.44	+21 2.2	1.556	2.444	12.5	18.5
12 23	7 29.90	+21 54.6	1.512	2.459	7.9	18.3
1 2	7 19.26	+22 50.4	1.495	2.473	3.0	18.0
1 12	7 7.84	+23 44.0	1.506	2.487	2.2	18.0
1 22	6 57.08	+24 30.8	1.547	2.500	7.1	18.4
2 1	6 48.30	+25 8.6	1.614	2.514	11.5	18.6
2 11	6 42.41	+25 37.4	1.705	2.526	15.1	18.9
313695 2003 TT_{13}			1 7.9	103.°64	18.°2/10.9	18
12 3	7 44.93	− 9 15.7	1.180	1.913	25.4	20.6
12 13	7 39.77	−12 0.0	1.130	1.922	22.9	20.5
12 23	7 31.08	−14 11.9	1.095	1.932	20.5	20.3
1 2	7 19.79	−15 38.1	1.078	1.941	18.8	20.3
1 12	7 7.49	−16 10.6	1.081	1.950	18.3	20.3
1 22	6 55.98	−15 49.1	1.103	1.958	19.0	20.3
2 1	6 46.89	−14 41.3	1.143	1.967	20.8	20.5
2 11	6 41.29	−13 0.5	1.199	1.975	22.9	20.7
349577 2008 SJ_{263}			1 7.9	330.°86	4.°5/ 6.8	18
12 3	7 40.91	+29 7.2	1.251	2.088	18.6	20.9
12 13	7 37.41	+29 58.8	1.175	2.077	14.4	20.7
12 23	7 30.02	+30 52.5	1.118	2.067	9.7	20.4
1 2	7 19.53	+31 39.9	1.085	2.058	5.4	20.1
1 12	7 7.61	+32 12.8	1.077	2.050	5.5	20.1
1 22	6 56.31	+32 26.2	1.094	2.042	10.1	20.3
2 1	6 47.55	+32 20.5	1.133	2.035	15.0	20.5
2 11	6 42.66	+31 59.8	1.193	2.029	19.4	20.8
521102 2015 DH_{244}			1 7.9	266.°02	6.°9/10.3	17
12 3	7 34.63	− 0 13.7	2.554	3.284	13.1	21.9
12 13	7 30.35	− 0 51.8	2.462	3.277	11.2	21.7
12 23	7 24.36	− 1 15.3	2.393	3.271	9.1	21.6
1 2	7 17.13	− 1 21.8	2.349	3.264	7.4	21.5
1 12	7 9.38	− 1 10.2	2.332	3.257	6.9	21.4
1 22	7 1.85	− 0 41.7	2.343	3.250	7.9	21.5
2 1	6 55.30	+ 0 1.4	2.381	3.243	9.8	21.6
2 11	6 50.34	+ 0 55.2	2.443	3.236	12.0	21.7

28506 2000 CR_{83} 1 7.9 186.°89 1.°9/ 7.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 46.02	+26 5.7	1.920	2.719	14.5	19.0
12 13	7 39.79	+26 35.1	1.835	2.719	11.1	18.8
12 23	7 30.74	+27 6.1	1.774	2.719	7.2	18.5
1 2	7 19.62	+27 34.1	1.741	2.717	3.1	18.3
1 12	7 7.63	+27 54.7	1.738	2.715	2.9	18.3
1 22	6 56.12	+28 5.5	1.764	2.712	6.9	18.5
2 1	6 46.39	+28 6.3	1.818	2.708	10.9	18.7
2 11	6 39.37	+27 59.1	1.896	2.703	14.4	19.0

319759 2006 UX_{191} 1 7.9 38.°93 5.°8/ 8.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.33	+11 9.8	1.483	2.284	18.0	20.3
12 13	7 35.57	+10 5.7	1.420	2.295	14.3	20.1
12 23	7 28.03	+ 9 13.8	1.377	2.307	10.3	19.9
1 2	7 18.56	+ 8 37.0	1.359	2.320	6.8	19.7
1 12	7 8.46	+ 8 16.8	1.368	2.333	6.1	19.7
1 22	6 59.08	+ 8 12.5	1.402	2.346	8.8	19.9
2 1	6 51.65	+ 8 21.8	1.462	2.360	12.5	20.1
2 11	6 46.98	+ 8 41.0	1.544	2.374	16.0	20.4

406880 2009 CF_{55} 1 7.9 304.°39 1.°2/ 7.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 41.28	+24 16.1	1.490	2.312	16.8	21.6
12 13	7 36.96	+24 28.9	1.403	2.299	13.0	21.3
12 23	7 29.36	+24 45.4	1.337	2.286	8.4	21.0
1 2	7 19.22	+25 1.4	1.296	2.274	3.3	20.7
1 12	7 7.90	+25 12.9	1.282	2.262	2.7	20.6
1 22	6 57.05	+25 17.0	1.295	2.250	7.9	20.9
2 1	6 48.23	+25 13.3	1.333	2.238	12.9	21.1
2 11	6 42.60	+25 3.4	1.392	2.227	17.2	21.4

517586 2014 WF_{62} 1 7.9 158.°96 7.°2/ 5.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 45.37	+38 42.3	1.920	2.718	14.6	21.4
12 13	7 39.82	+40 5.9	1.848	2.719	11.8	21.2
12 23	7 31.04	+41 23.1	1.800	2.720	9.0	21.1
1 2	7 19.81	+42 25.3	1.778	2.721	7.3	21.0
1 12	7 7.52	+43 5.2	1.784	2.722	7.7	21.0
1 22	6 55.76	+43 19.8	1.817	2.722	9.9	21.1
2 1	6 46.08	+43 10.8	1.875	2.723	12.7	21.3
2 11	6 39.53	+42 43.2	1.954	2.724	15.4	21.5

286656 2002 ES_{93} 1 7.9 254.°56 4.°9/ 9.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.35	+ 8 38.1	1.898	2.674	15.5	21.8
12 13	7 35.49	+ 8 26.8	1.795	2.655	12.6	21.5
12 23	7 28.08	+ 8 29.9	1.713	2.636	9.2	21.3
1 2	7 18.69	+ 8 48.6	1.658	2.617	6.0	21.1
1 12	7 8.28	+ 9 22.2	1.630	2.597	5.1	21.0
1 22	6 58.02	+10 8.4	1.632	2.576	7.7	21.1
2 1	6 49.13	+11 3.4	1.660	2.555	11.5	21.2
2 11	6 42.56	+12 2.9	1.713	2.533	15.1	21.4

236479 2006 FU_{32} 1 7.9 194.°86 2.°0/ 8.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 41.98	+15 38.0	2.143	2.928	13.7	22.1
12 13	7 36.30	+15 39.7	2.052	2.925	10.7	21.9
12 23	7 28.34	+15 49.4	1.985	2.922	7.1	21.6
1 2	7 18.70	+16 6.1	1.946	2.919	3.4	21.4
1 12	7 8.34	+16 27.8	1.936	2.914	2.5	21.3
1 22	6 58.31	+16 52.4	1.957	2.909	6.0	21.5
2 1	6 49.65	+17 18.0	2.007	2.903	9.7	21.8
2 11	6 43.15	+17 43.0	2.081	2.896	13.0	22.0

218896 2007 DX_{70} 1 7.9 26.°30 7.°0/ 6.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 46.03	+39 42.1	1.817	2.616	15.2	19.9
12 13	7 40.28	+40 29.2	1.747	2.618	12.3	19.7
12 23	7 31.24	+41 6.8	1.699	2.620	9.3	19.6
1 2	7 19.84	+41 27.1	1.676	2.623	7.3	19.4
1 12	7 7.58	+41 24.7	1.680	2.625	7.4	19.5
1 22	6 56.13	+40 58.5	1.711	2.628	9.7	19.6
2 1	6 46.96	+40 12.0	1.768	2.631	12.7	19.8
2 11	6 41.04	+39 11.3	1.846	2.634	15.5	20.0

204276 2004 FU_{145} 1 7.9 307.°78 0.°8/ 7.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.28	+24 21.8	2.323	3.125	12.2	20.8
12 13	7 33.40	+24 32.6	2.237	3.124	9.3	20.6
12 23	7 26.42	+24 45.0	2.176	3.122	5.9	20.4
1 2	7 17.95	+24 56.5	2.143	3.120	2.3	20.2
1 12	7 8.89	+25 4.9	2.139	3.119	1.9	20.1
1 22	7 0.20	+25 8.6	2.165	3.117	5.5	20.4
2 1	6 52.82	+25 7.3	2.220	3.116	8.9	20.6
2 11	6 47.46	+25 1.6	2.299	3.114	11.9	20.8

373285 2012 HP_{48} 1 7.9 196.°55 1.°8/ 8.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 38.43	+15 14.8	2.107	2.899	13.6	20.9
12 13	7 33.65	+15 34.3	2.021	2.898	10.6	20.7
12 23	7 26.67	+16 3.6	1.958	2.897	7.0	20.5
1 2	7 18.08	+16 41.0	1.922	2.896	3.3	20.3
1 12	7 8.78	+17 23.6	1.916	2.895	2.3	20.2
1 22	6 59.81	+18 8.3	1.940	2.893	5.9	20.4
2 1	6 52.16	+18 52.4	1.992	2.892	9.6	20.6
2 11	6 46.61	+19 33.7	2.068	2.890	12.8	20.8

84060 2002 PV_{112} 1 7.9 61.°97 8.°4/11.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.27	− 0 21.9	1.581	2.338	18.9	19.8
12 13	7 34.57	− 0 34.8	1.522	2.358	15.8	19.6
12 23	7 27.31	− 0 22.5	1.483	2.378	12.5	19.5
1 2	7 18.29	+ 0 17.2	1.466	2.398	9.6	19.4
1 12	7 8.68	+ 1 22.6	1.475	2.419	8.4	19.3
1 22	6 59.72	+ 2 48.5	1.511	2.440	9.7	19.5
2 1	6 52.52	+ 4 27.4	1.573	2.460	12.5	19.7
2 11	6 47.86	+ 6 11.2	1.657	2.481	15.4	19.9

445286 2009 WT_{163} 1 7.9 98.°87 0.°0/ 7.7 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 46.47	+22 8.4	1.425	2.239	17.9	21.7
12 13	7 40.54	+22 11.6	1.363	2.254	13.7	21.4
12 23	7 31.34	+22 19.5	1.321	2.269	8.7	21.2
1 2	7 19.85	+22 28.5	1.305	2.284	3.3	20.9
1 12	7 7.61	+22 35.3	1.317	2.298	2.3	20.9
1 22	6 56.29	+22 37.8	1.356	2.312	7.6	21.2
2 1	6 47.32	+22 35.9	1.421	2.325	12.4	21.5
2 11	6 41.61	+22 30.7	1.508	2.338	16.3	21.8

422022 2014 QL_{337} 1 7.9 35.°97 2.°2/ 8.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.85	+16 59.5	1.439	2.256	17.6	20.8
12 13	7 35.47	+16 51.0	1.373	2.265	13.6	20.5
12 23	7 28.11	+16 52.4	1.328	2.274	9.0	20.3
1 2	7 18.65	+17 2.3	1.308	2.284	4.1	20.0
1 12	7 8.43	+17 18.3	1.314	2.294	2.9	20.0
1 22	6 58.91	+17 37.8	1.348	2.304	7.5	20.3
2 1	6 51.43	+17 58.4	1.406	2.315	12.1	20.6
2 11	6 46.86	+18 18.5	1.487	2.327	16.0	20.9

439927 2001 QM_{290} 1 7.9 77.°88 1.°6/ 8.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 45.60	+17 30.8	1.419	2.228	18.2	21.8
12 13	7 39.63	+17 38.6	1.367	2.254	14.0	21.6
12 23	7 30.61	+17 56.2	1.335	2.280	9.0	21.4
1 2	7 19.52	+18 20.8	1.330	2.306	3.8	21.2
1 12	7 7.87	+18 48.6	1.351	2.332	2.6	21.2
1 22	6 57.19	+19 16.3	1.401	2.357	7.4	21.5
2 1	6 48.80	+19 41.7	1.477	2.382	11.9	21.9
2 11	6 43.49	+20 3.8	1.575	2.406	15.7	22.2

130815 2000 UD_{9} 1 7.9 83.°35 5.°1/ 6.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 45.67	+31 23.9	1.552	2.368	16.6	19.2
12 13	7 40.15	+32 32.4	1.492	2.381	12.9	19.0
12 23	7 31.24	+33 39.1	1.453	2.394	8.8	18.8
1 2	7 19.86	+34 35.5	1.440	2.407	5.5	18.6
1 12	7 7.58	+35 14.5	1.455	2.420	5.8	18.7
1 22	6 56.10	+35 32.7	1.496	2.432	9.1	18.9
2 1	6 46.98	+35 31.4	1.563	2.445	12.9	19.2
2 11	6 41.21	+35 15.3	1.652	2.458	16.3	19.4

301314 2009 BO_{149} 1 7.9 30.°06 0.°8/ 8.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.29	+20 11.7	1.245	2.077	19.0	20.5
12 13	7 36.22	+20 10.2	1.186	2.087	14.5	20.3
12 23	7 28.77	+20 16.5	1.147	2.098	9.3	20.0
1 2	7 18.92	+20 27.9	1.131	2.109	3.7	19.7
1 12	7 8.26	+20 41.0	1.141	2.122	2.5	19.7
1 22	6 58.49	+20 53.1	1.176	2.135	8.0	20.1
2 1	6 51.10	+21 2.8	1.236	2.149	13.0	20.4
2 11	6 47.01	+21 9.6	1.317	2.164	17.2	20.7

432573 2010 OJ_{48} 1 7.9 50.°07 0.°0/ 7.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.74	+23 30.1	2.242	3.042	12.7	20.5
12 13	7 34.41	+23 13.3	2.164	3.048	9.6	20.3
12 23	7 26.99	+22 57.4	2.110	3.055	6.1	20.1
1 2	7 18.14	+22 40.8	2.084	3.062	2.3	19.9
1 12	7 8.81	+22 22.5	2.089	3.070	1.6	19.8
1 22	6 59.99	+22 2.3	2.123	3.077	5.4	20.1
2 1	6 52.59	+21 40.7	2.186	3.084	8.9	20.3
2 11	6 47.26	+21 18.4	2.274	3.092	12.0	20.6

17474 1991 GK_{5} 1 7.9 17.°32 2.°5/ 7.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 39.85	+25 50.2	1.152	1.995	19.4	17.6
12 13	7 36.38	+26 19.0	1.093	2.000	14.9	17.3
12 23	7 29.14	+26 51.0	1.053	2.006	9.6	17.1
1 2	7 19.13	+27 20.0	1.035	2.013	4.1	16.8
1 12	7 8.12	+27 40.0	1.043	2.022	3.8	16.8
1 22	6 58.04	+27 47.7	1.075	2.031	9.0	17.1
2 1	6 50.62	+27 43.4	1.130	2.042	14.1	17.4
2 11	6 46.88	+27 29.8	1.206	2.054	18.5	17.7

162161 1999 DK_{3} 1 7.9 241.°71 14.°4/14.1 14 C

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 47.08	−22 52.1	2.305	2.866	18.1	22.3
12 13	7 40.39	−23 34.4	2.195	2.842	17.1	22.2
12 23	7 31.15	−23 47.8	2.101	2.816	16.0	22.0
1 2	7 19.88	−23 24.6	2.026	2.790	15.0	21.9
1 12	7 7.53	−22 19.7	1.972	2.761	14.5	21.8
1 22	6 55.25	−20 32.8	1.943	2.731	14.7	21.7
2 1	6 44.22	−18 8.6	1.939	2.700	15.7	21.8
2 11	6 35.43	−15 16.5	1.958	2.667	17.3	21.8

228656 2002 FE_{31} 1 7.9 249.°66 2.°0/ 7.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.54	+24 47.1	2.284	3.082	12.5	20.5
12 13	7 35.44	+25 46.3	2.184	3.068	9.6	20.3
12 23	7 27.97	+26 50.4	2.110	3.054	6.2	20.0
1 2	7 18.66	+27 54.8	2.064	3.039	2.8	19.8
1 12	7 8.42	+28 54.4	2.049	3.024	2.8	19.8
1 22	6 58.33	+29 45.3	2.064	3.009	6.3	20.0
2 1	6 49.49	+30 25.1	2.108	2.993	9.9	20.1
2 11	6 42.82	+30 54.1	2.177	2.977	13.0	20.3

369913 2013 CG_{174} 1 7.9 12.°10 1.°3/ 7.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.68	+25 21.9	1.154	1.995	19.5	20.6
12 13	7 36.97	+25 19.3	1.091	1.997	15.0	20.3
12 23	7 29.50	+25 18.2	1.047	2.001	9.6	20.0
1 2	7 19.29	+25 14.7	1.027	2.005	3.8	19.7
1 12	7 8.09	+25 4.9	1.030	2.011	3.0	19.7
1 22	6 57.86	+24 47.8	1.059	2.018	8.7	20.0
2 1	6 50.26	+24 24.7	1.111	2.026	14.0	20.4
2 11	6 46.35	+23 58.1	1.183	2.035	18.5	20.7

317608 2003 AS_7 1 7.9 42.°92 1.°4/ 7.5 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.59	+22 41.1	1.348	2.175	18.0	20.2
12 13	7 36.94	+23 27.0	1.300	2.198	13.6	20.0
12 23	7 29.09	+24 19.0	1.272	2.222	8.6	19.7
1 2	7 19.03	+25 11.1	1.269	2.247	3.4	19.5
1 12	7 8.31	+25 57.1	1.292	2.272	2.8	19.5
1 22	6 58.54	+26 32.9	1.343	2.298	7.8	19.9
2 1	6 51.08	+26 57.3	1.418	2.324	12.3	20.2
2 11	6 46.81	+27 11.4	1.516	2.350	16.1	20.5

127304 2002 JA_{87} 1 7.9 221.°53 0.°4/ 7.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 43.00	+22 27.3	1.947	2.748	14.3	21.1
12 13	7 37.47	+22 40.0	1.856	2.740	11.0	20.8
12 23	7 29.30	+22 56.6	1.787	2.732	7.1	20.6
1 2	7 19.16	+23 14.2	1.746	2.724	2.7	20.3
1 12	7 8.13	+23 29.5	1.734	2.715	2.0	20.2
1 22	6 57.48	+23 40.4	1.752	2.705	6.5	20.5
2 1	6 48.42	+23 46.2	1.798	2.695	10.6	20.7
2 11	6 41.86	+23 47.2	1.867	2.684	14.2	20.9

224321 2005 UQ_{39} 1 7.9 232.°53 1.°7/ 8.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.45	+17 12.1	2.044	2.840	13.9	21.3
12 13	7 34.52	+17 6.4	1.956	2.836	10.7	21.1
12 23	7 27.27	+17 7.6	1.890	2.831	7.1	20.9
1 2	7 18.35	+17 14.5	1.852	2.827	3.3	20.6
1 12	7 8.72	+17 25.6	1.843	2.822	2.3	20.5
1 22	6 59.45	+17 39.2	1.864	2.817	6.1	20.8
2 1	6 51.59	+17 53.7	1.912	2.812	9.9	21.0
2 11	6 45.93	+18 8.1	1.985	2.807	13.3	21.2

120314 2004 LQ_4 1 7.9 214.°60 5.°7/ 9.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.22	+ 4 38.3	2.233	2.986	14.1	20.2
12 13	7 33.35	+ 4 19.0	2.140	2.981	11.6	20.0
12 23	7 26.44	+ 4 14.2	2.070	2.975	8.9	19.8
1 2	7 18.03	+ 4 25.4	2.026	2.968	6.5	19.7
1 12	7 8.95	+ 4 52.7	2.010	2.962	5.8	19.6
1 22	7 0.13	+ 5 34.2	2.023	2.954	7.4	19.7
2 1	6 52.48	+ 6 26.4	2.064	2.947	10.2	19.9
2 11	6 46.74	+ 7 25.4	2.129	2.939	13.0	20.0

398341 2011 QN_{65} 1 7.9 87.°09 0.°5/ 7.7 16

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 44.89	+21 47.0	1.585	2.395	16.6	21.4
12 13	7 39.03	+22 15.8	1.527	2.416	12.6	21.2
12 23	7 30.25	+22 50.3	1.491	2.438	8.0	21.0
1 2	7 19.46	+23 26.0	1.481	2.459	3.0	20.7
1 12	7 8.02	+23 58.2	1.499	2.480	2.2	20.7
1 22	6 57.40	+24 23.9	1.547	2.501	7.0	21.1
2 1	6 48.88	+24 42.0	1.620	2.521	11.4	21.4
2 11	6 43.29	+24 53.3	1.717	2.540	15.0	21.6

276385 2002 WG_4 1 7.9 66.°95 3.°5/ 8.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.84	+12 47.6	2.144	2.925	13.8	20.4
12 13	7 34.32	+12 12.7	2.083	2.950	10.8	20.2
12 23	7 26.85	+11 46.5	2.046	2.976	7.5	20.1
1 2	7 18.09	+11 29.5	2.037	3.001	4.5	19.9
1 12	7 8.98	+11 21.5	2.056	3.026	3.8	19.9
1 22	7 0.46	+11 21.5	2.106	3.051	6.2	20.1
2 1	6 53.36	+11 28.1	2.183	3.076	9.2	20.4
2 11	6 48.27	+11 39.5	2.285	3.101	12.0	20.6

80989 2000 EC_{23} 1 7.9 187.°92 1.°0/ 7.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.54	+24 47.2	2.544	3.333	11.6	21.4
12 13	7 36.48	+25 5.4	2.453	3.332	8.9	21.2
12 23	7 28.34	+25 25.0	2.388	3.331	5.7	21.0
1 2	7 18.72	+25 43.0	2.352	3.329	2.3	20.7
1 12	7 8.49	+25 56.9	2.347	3.326	1.9	20.7
1 22	6 58.60	+26 5.0	2.373	3.322	5.3	20.9
2 1	6 49.97	+26 7.1	2.429	3.318	8.6	21.1
2 11	6 43.31	+26 3.9	2.511	3.313	11.5	21.3

7747 Michałowski 1 7.9 127.°55 0.°1/ 7.9 18 R

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 47.31	+22 20.6	1.914	2.707	14.8	18.1
12 13	7 40.40	+22 25.4	1.846	2.726	11.3	17.9
12 23	7 30.92	+22 33.2	1.801	2.745	7.2	17.7
1 2	7 19.68	+22 41.1	1.785	2.763	2.7	17.5
1 12	7 7.89	+22 46.3	1.799	2.780	1.9	17.4
1 22	6 56.82	+22 47.6	1.843	2.796	6.3	17.7
2 1	6 47.59	+22 44.9	1.916	2.811	10.2	18.0
2 11	6 40.97	+22 39.1	2.013	2.825	13.5	18.3

517160 2013 MX 1 7.9 167.°35 0.°9/ 7.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 48.65	+14 14.9	1.154	1.967	21.4	21.0
12 13	7 43.58	+16 31.5	1.078	1.969	16.6	20.7
12 23	7 34.25	+19 19.4	1.023	1.971	10.7	20.4
1 2	7 21.35	+22 27.7	0.994	1.972	4.0	20.0
1 12	7 6.52	+25 38.5	0.994	1.974	3.3	20.0
1 22	6 52.00	+28 32.7	1.022	1.974	10.0	20.4
2 1	6 40.07	+30 58.4	1.077	1.975	16.0	20.7
2 11	6 32.37	+32 52.8	1.152	1.975	20.8	21.0

335646 2006 KC_{64} 1 7.9 109.°29 1.°0/ 7.5 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.02	+22 59.1	2.351	3.149	12.2	21.4
12 13	7 33.92	+23 39.2	2.275	3.160	9.3	21.2
12 23	7 26.75	+24 23.2	2.224	3.169	5.9	21.0
1 2	7 18.13	+25 7.4	2.202	3.179	2.3	20.8
1 12	7 8.93	+25 48.4	2.210	3.189	2.0	20.8
1 22	7 0.11	+26 23.4	2.248	3.198	5.5	21.0
2 1	6 52.58	+26 51.1	2.315	3.207	8.8	21.3
2 11	6 47.05	+27 11.4	2.407	3.217	11.6	21.5

424597 2008 GO_{136} 1 7.9 162.°37 3.°2/ 8.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.90	+12 32.0	1.991	2.779	14.5	21.8
12 13	7 34.08	+12 29.0	1.909	2.780	11.4	21.6
12 23	7 26.98	+12 37.0	1.849	2.782	7.9	21.4
1 2	7 18.25	+12 55.7	1.815	2.783	4.4	21.2
1 12	7 8.83	+13 23.3	1.810	2.784	3.5	21.1
1 22	6 59.80	+13 57.4	1.835	2.785	6.5	21.3
2 1	6 52.18	+14 35.3	1.887	2.786	10.1	21.6
2 11	6 46.73	+15 14.2	1.963	2.787	13.3	21.8

208730 2002 LJ_{26} 1 7.9 215.°89 0.°5/ 8.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.20	+19 26.4	2.101	2.894	13.6	21.6
12 13	7 36.67	+19 42.3	2.006	2.886	10.5	21.4
12 23	7 28.71	+20 4.4	1.934	2.877	6.8	21.1
1 2	7 18.94	+20 30.5	1.891	2.868	2.7	20.9
1 12	7 8.34	+20 57.5	1.878	2.858	1.8	20.8
1 22	6 58.03	+21 23.0	1.894	2.848	6.0	21.0
2 1	6 49.12	+21 45.3	1.940	2.837	10.0	21.2
2 11	6 42.48	+22 3.8	2.010	2.825	13.4	21.4

353277 2010 FP_{84} 1 7.9 209.°49 1.°1/ 7.6 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 44.08	+23 41.0	1.943	2.744	14.3	22.4
12 13	7 38.35	+24 9.0	1.853	2.738	11.0	22.2
12 23	7 29.91	+24 40.9	1.786	2.732	7.1	22.0
1 2	7 19.42	+25 12.8	1.747	2.725	2.8	21.7
1 12	7 8.01	+25 40.5	1.737	2.717	2.3	21.6
1 22	6 56.96	+26 1.1	1.758	2.708	6.7	21.9
2 1	6 47.55	+26 13.7	1.806	2.699	10.8	22.1
2 11	6 40.71	+26 19.0	1.878	2.690	14.3	22.3

171659 2000 HR_{94} 1 7.9 141.°63 5.°3/ 9.8 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 36.77	+ 3 24.6	2.940	3.674	11.5	20.7
12 13	7 31.65	+ 2 44.6	2.860	3.684	9.5	20.5
12 23	7 25.04	+ 2 15.5	2.804	3.694	7.4	20.4
1 2	7 17.43	+ 1 59.0	2.775	3.704	5.8	20.3
1 12	7 9.45	+ 1 55.4	2.776	3.713	5.3	20.3
1 22	7 1.76	+ 2 4.2	2.806	3.722	6.4	20.4
2 1	6 55.00	+ 2 23.7	2.865	3.730	8.3	20.5
2 11	6 49.68	+ 2 51.3	2.950	3.738	10.3	20.7

384150 2008 YF_{171} 1 7.9 329.°19 2.°5/ 8.0 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.29	+19 13.3	1.906	2.708	14.5	19.6
12 13	7 35.34	+18 12.9	1.809	2.693	11.3	19.3
12 23	7 27.89	+17 13.5	1.736	2.678	7.5	19.1
1 2	7 18.62	+16 16.1	1.691	2.664	3.7	18.8
1 12	7 8.59	+15 22.0	1.674	2.651	3.1	18.7
1 22	6 58.97	+14 32.8	1.686	2.638	6.8	19.0
2 1	6 50.88	+13 50.0	1.726	2.626	10.8	19.2
2 11	6 45.19	+13 14.2	1.790	2.614	14.4	19.4

364290 2006 TE_{93} 1 7.9 122.°35 18.°1/11.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 45.46	− 9 51.9	1.198	1.925	25.3	21.2
12 13	7 40.21	−12 26.4	1.146	1.935	22.8	21.0
12 23	7 31.43	−14 28.1	1.110	1.944	20.5	20.9
1 2	7 20.04	−15 44.2	1.091	1.952	18.7	20.8
1 12	7 7.62	−16 6.9	1.092	1.960	18.1	20.8
1 22	6 55.95	−15 36.2	1.112	1.968	18.9	20.9
2 1	6 46.68	−14 20.0	1.150	1.975	20.6	21.0
2 11	6 40.89	−12 31.7	1.205	1.982	22.7	21.2

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
410571	2008 GQ_{77}		1	7.9	355.°65	1.°0/ 8.2 18
	h m	° ′			°	m
12 3	7 33.90	+17 17.8	1.208	2.047	18.9	20.1
12 13	7 31.72	+17 51.5	1.136	2.040	14.7	19.8
12 23	7 26.22	+18 40.5	1.083	2.035	9.6	19.5
1 2	7 18.14	+19 41.4	1.053	2.031	3.9	19.2
1 12	7 8.91	+20 48.2	1.047	2.029	2.5	19.1
1 22	7 0.21	+21 54.0	1.067	2.028	8.3	19.5
2 1	6 53.65	+22 53.3	1.110	2.029	13.6	19.7
2 11	6 50.41	+23 43.2	1.174	2.032	18.2	20.0
219399	2000 SX_{182}		1	7.9	102.°91	6.°0/10.0 18
12 3	7 39.36	+ 4 32.9	2.130	2.884	14.7	21.1
12 13	7 34.07	+ 4 3.9	2.062	2.902	12.0	20.9
12 23	7 26.78	+ 3 49.9	2.016	2.920	9.2	20.8
1 2	7 18.12	+ 3 52.2	1.997	2.938	6.8	20.6
1 12	7 9.00	+ 4 10.8	2.005	2.955	6.0	20.6
1 22	7 0.36	+ 4 43.6	2.043	2.972	7.6	20.8
2 1	6 53.07	+ 5 27.2	2.107	2.988	10.1	20.9
2 11	6 47.77	+ 6 17.6	2.196	3.004	12.7	21.1
179723	2002 RS_{87}		1	7.9	13.°37	22.°9/27.8 17
12 3	7 29.20	−25 6.9	1.104	1.780	29.7	18.5
12 13	7 28.06	−26 57.7	1.071	1.789	28.2	18.4
12 23	7 23.72	−27 56.2	1.046	1.801	26.6	18.3
1 2	7 17.11	−27 51.7	1.031	1.816	25.0	18.2
1 12	7 9.71	−26 39.5	1.029	1.833	23.8	18.2
1 22	7 3.10	−24 23.1	1.040	1.853	23.0	18.2
2 1	6 58.68	−21 13.7	1.066	1.874	23.0	18.3
2 11	6 57.36	−17 29.2	1.110	1.898	23.6	18.4
374038	2004 HW		1	7.9	193.°05	0.°2/ 8.0 17
12 3	7 40.14	+20 31.4	3.630	4.401	8.8	23.7
12 13	7 34.05	+20 43.7	3.529	4.398	6.7	23.6
12 23	7 26.54	+20 58.6	3.455	4.394	4.3	23.4
1 2	7 18.02	+21 14.4	3.412	4.389	1.7	23.2
1 12	7 9.07	+21 29.9	3.402	4.383	1.1	23.1
1 22	7 0.31	+21 43.7	3.426	4.375	3.8	23.3
2 1	6 52.36	+21 55.2	3.481	4.367	6.3	23.5
2 11	6 45.71	+22 4.3	3.564	4.358	8.5	23.6
296037	2008 YB_{172}		1	7.9	241.°39	0.°6/ 8.1 18
12 3	7 41.31	+18 58.4	1.780	2.584	15.3	21.3
12 13	7 36.42	+19 20.2	1.690	2.576	11.8	21.0
12 23	7 28.77	+19 50.5	1.622	2.568	7.7	20.7
1 2	7 19.03	+20 26.4	1.581	2.559	3.0	20.4
1 12	7 8.32	+21 4.4	1.569	2.550	2.0	20.4
1 22	6 57.94	+21 40.7	1.586	2.541	6.8	20.6
2 1	6 49.19	+22 12.8	1.630	2.532	11.2	20.9
2 11	6 43.05	+22 39.8	1.697	2.522	15.0	21.1
125116	2001 UO_{49}		1	7.9	29.°91	2.°4/ 7.2 18
12 3	7 41.77	+23 31.4	1.343	2.171	18.1	19.6
12 13	7 37.56	+24 35.6	1.275	2.174	13.8	19.3
12 23	7 29.86	+25 48.2	1.228	2.178	8.9	19.0
1 2	7 19.51	+27 1.9	1.205	2.182	3.8	18.8
1 12	7 8.02	+28 8.3	1.209	2.187	3.6	18.8
1 22	6 57.17	+29 1.1	1.240	2.192	8.6	19.1
2 1	6 48.63	+29 38.1	1.295	2.198	13.5	19.4
2 11	6 43.51	+30 0.3	1.372	2.203	17.6	19.6
238507	2004 TW_{12}		1	7.9	124.°34	4.°2/ 6.7 18
12 3	7 46.86	+30 33.1	1.718	2.525	15.6	20.7
12 13	7 40.78	+31 31.4	1.651	2.537	12.1	20.5
12 23	7 31.56	+32 28.4	1.608	2.548	8.2	20.3
1 2	7 20.06	+33 16.8	1.591	2.560	4.8	20.2
1 12	7 7.70	+33 50.3	1.603	2.570	5.0	20.2
1 22	6 56.06	+34 6.1	1.643	2.581	8.3	20.4
2 1	6 46.55	+34 5.2	1.709	2.590	12.0	20.7
2 11	6 40.15	+33 51.1	1.798	2.600	15.3	20.9
297290	1997 WU_{18}		1	7.9	346.°53	0.°7/ 8.1 18
12 3	7 38.29	+19 34.3	1.237	2.071	18.9	20.8
12 13	7 35.07	+19 43.8	1.163	2.065	14.6	20.5
12 23	7 28.36	+20 3.2	1.107	2.059	9.5	20.2
1 2	7 18.97	+20 29.8	1.075	2.054	3.8	19.9
1 12	7 8.40	+20 59.3	1.068	2.049	2.5	19.8
1 22	6 58.41	+21 27.6	1.086	2.046	8.4	20.1
2 1	6 50.68	+21 51.9	1.128	2.044	13.8	20.4
2 11	6 46.38	+22 11.1	1.190	2.042	18.4	20.7
301190	2008 YS_{159}		1	7.9	74.°74	0.°7/ 8.1 17
12 3	7 43.99	+19 25.1	1.493	2.305	17.4	21.2
12 13	7 38.45	+19 36.7	1.436	2.326	13.2	21.0
12 23	7 29.94	+19 56.1	1.400	2.347	8.5	20.8
1 2	7 19.39	+20 20.1	1.390	2.367	3.3	20.5
1 12	7 8.21	+20 44.8	1.407	2.388	2.2	20.5
1 22	6 57.89	+21 7.4	1.453	2.409	7.1	20.8
2 1	6 49.71	+21 26.2	1.524	2.429	11.6	21.2
2 11	6 44.50	+21 41.0	1.619	2.450	15.4	21.4

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
502917	2015 ED_{20}		1	7.9	239.°55	8.°5/12.5 17
	h m	° ′			°	m
12 3	7 35.34	− 7 50.0	2.584	3.269	14.0	22.0
12 13	7 30.92	− 8 8.0	2.494	3.265	12.3	21.9
12 23	7 24.79	− 8 6.2	2.424	3.260	10.6	21.8
1 2	7 17.42	− 7 41.7	2.377	3.256	9.1	21.7
1 12	7 9.52	− 6 54.0	2.357	3.251	8.5	21.6
1 22	7 1.84	− 5 44.8	2.363	3.246	9.0	21.6
2 1	6 55.14	− 4 18.3	2.397	3.241	10.5	21.7
2 11	6 50.05	− 2 39.9	2.456	3.236	12.3	21.8
5577	Priestley		1	7.9	136.°41	3.°8/ 6.2 18 A
12 3	7 49.57	+18 49.5	1.068	1.893	21.9	16.8
12 13	7 44.75	+21 35.8	0.999	1.898	16.8	16.5
12 23	7 35.29	+24 50.0	0.951	1.902	10.8	16.2
1 2	7 21.87	+28 16.2	0.929	1.905	4.9	15.9
1 12	7 6.28	+31 31.8	0.935	1.909	5.7	15.9
1 22	6 51.07	+34 17.2	0.968	1.912	11.7	16.3
2 1	6 38.80	+36 23.3	1.026	1.915	17.4	16.6
2 11	6 31.26	+37 52.3	1.103	1.918	22.1	16.9
318709	2005 QD_{119}		1	7.9	75.°92	3.°1/ 6.9 18
12 3	7 39.75	+31 56.0	2.514	3.312	11.5	21.1
12 13	7 34.45	+32 19.4	2.438	3.318	8.9	20.9
12 23	7 27.08	+32 39.6	2.386	3.324	6.0	20.8
1 2	7 18.28	+32 53.0	2.363	3.330	3.5	20.6
1 12	7 8.96	+32 56.8	2.369	3.337	3.5	20.6
1 22	7 0.10	+32 49.9	2.405	3.343	6.0	20.8
2 1	6 52.60	+32 33.2	2.469	3.349	8.8	21.0
2 11	6 47.14	+32 8.7	2.558	3.355	11.4	21.2
138173	2000 ET_{103}		1	7.9	20.°54	1.°0/ 8.3 18
12 3	7 38.49	+15 19.7	1.427	2.244	17.8	18.7
12 13	7 34.70	+16 18.9	1.356	2.248	13.7	18.4
12 23	7 27.86	+17 34.9	1.307	2.253	8.9	18.1
1 2	7 18.73	+19 3.2	1.282	2.259	3.7	17.9
1 12	7 8.60	+20 36.4	1.285	2.266	2.3	17.8
1 22	6 59.00	+22 6.9	1.315	2.273	7.5	18.1
2 1	6 51.34	+23 28.6	1.372	2.281	12.3	18.4
2 11	6 46.66	+24 38.3	1.450	2.289	16.4	18.7
19988	1990 QW_3		1	7.9	160.°78	0.°6/ 7.8 18
12 3	7 47.11	+22 52.9	1.636	2.440	16.4	19.4
12 13	7 40.92	+23 7.7	1.560	2.447	12.6	19.2
12 23	7 31.64	+23 26.8	1.506	2.452	8.1	18.9
1 2	7 20.10	+23 45.9	1.479	2.457	3.1	18.6
1 12	7 7.69	+24 1.3	1.481	2.461	2.3	18.6
1 22	6 55.93	+24 10.5	1.512	2.465	7.3	18.9
2 1	6 46.24	+24 13.1	1.569	2.468	11.8	19.2
2 11	6 39.58	+24 10.4	1.650	2.470	15.6	19.4
122316	2000 QQ_{12}		1	7.9	152.°47	2.°6/ 8.7 18
12 3	7 41.93	+14 21.6	1.711	2.507	16.1	20.2
12 13	7 36.76	+14 30.1	1.633	2.512	12.6	20.0
12 23	7 28.90	+14 50.4	1.577	2.516	8.5	19.8
1 2	7 19.06	+15 21.1	1.547	2.520	4.2	19.5
1 12	7 8.40	+15 59.3	1.546	2.523	3.0	19.5
1 22	6 58.23	+16 41.5	1.573	2.527	7.0	19.7
2 1	6 49.78	+17 24.3	1.627	2.529	11.2	20.0
2 11	6 43.93	+18 5.3	1.705	2.532	14.9	20.2
78356	2002 PX_{102}		1	7.9	337.°84	0.°4/ 7.8 18
12 3	7 41.33	+24 56.1	1.976	2.782	13.9	19.4
12 13	7 36.05	+24 35.7	1.890	2.778	10.7	19.2
12 23	7 28.29	+24 14.9	1.828	2.774	6.8	18.9
1 2	7 18.79	+23 51.6	1.793	2.771	2.6	18.7
1 12	7 8.61	+23 24.9	1.788	2.768	1.9	18.6
1 22	6 58.97	+22 54.6	1.811	2.765	6.2	18.9
2 1	6 50.94	+22 21.9	1.863	2.763	10.1	19.1
2 11	6 45.33	+21 48.6	1.939	2.761	13.5	19.3
323956	2005 UU_{50}		1	7.9	77.°02	3.°6/ 6.9 18
12 3	7 42.84	+30 36.1	1.865	2.674	14.5	20.6
12 13	7 37.49	+31 12.3	1.793	2.680	11.2	20.4
12 23	7 29.35	+31 46.5	1.744	2.686	7.5	20.2
1 2	7 19.21	+32 13.1	1.721	2.692	4.2	20.0
1 12	7 8.32	+32 27.7	1.727	2.698	4.3	20.0
1 22	6 58.05	+32 28.4	1.762	2.703	7.5	20.2
2 1	6 49.64	+32 16.0	1.823	2.709	11.1	20.5
2 11	6 43.97	+31 53.7	1.907	2.715	14.3	20.7
164250	2004 TW_{148}		1	7.9	242.°37	0.°9/ 7.7 18
12 3	7 43.74	+23 41.1	1.688	2.497	15.8	21.0
12 13	7 38.49	+23 55.1	1.599	2.488	12.1	20.7
12 23	7 30.21	+24 12.8	1.532	2.479	7.8	20.5
1 2	7 19.63	+24 30.4	1.491	2.469	3.0	20.1
1 12	7 7.99	+24 44.0	1.479	2.459	2.4	20.1
1 22	6 56.79	+24 51.1	1.495	2.449	7.3	20.3
2 1	6 47.44	+24 51.2	1.538	2.438	11.9	20.6
2 11	6 41.01	+24 45.6	1.604	2.427	15.8	20.8

34822 2001 SO_{133} 1 7.9 280.°34 0.°8/ 8.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.58	+20 8.4	1.840	2.646	14.8	18.8
12 13	7 35.85	+20 5.0	1.742	2.629	11.5	18.5
12 23	7 28.42	+20 6.7	1.666	2.612	7.5	18.2
1 2	7 18.94	+20 12.0	1.617	2.594	3.0	17.9
1 12	7 8.47	+20 18.5	1.596	2.577	2.0	17.8
1 22	6 58.29	+20 24.5	1.604	2.560	6.7	18.1
2 1	6 49.66	+20 29.0	1.639	2.542	11.1	18.3
2 11	6 43.56	+20 31.8	1.698	2.525	14.9	18.5

257886 2000 SC_{263} 1 7.9 80.°29 1.°6/ 7.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.24	+24 41.6	1.883	2.692	14.4	20.4
12 13	7 36.09	+25 18.5	1.814	2.703	11.0	20.2
12 23	7 28.37	+25 58.5	1.768	2.714	7.0	20.0
1 2	7 18.83	+26 37.1	1.749	2.726	2.9	19.8
1 12	7 8.61	+27 9.9	1.759	2.737	2.6	19.8
1 22	6 58.95	+27 34.2	1.798	2.748	6.6	20.1
2 1	6 50.99	+27 49.1	1.864	2.760	10.4	20.3
2 11	6 45.55	+27 55.7	1.954	2.771	13.7	20.6

43770 1988 EX_{1} 1 7.9 266.°13 2.°3/ 7.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.13	+28 14.3	2.387	3.188	11.9	19.1
12 13	7 34.21	+28 45.8	2.294	3.179	9.2	18.9
12 23	7 27.09	+29 17.4	2.227	3.170	6.0	18.7
1 2	7 18.36	+29 45.5	2.187	3.160	3.0	18.5
1 12	7 8.91	+30 6.5	2.177	3.151	3.0	18.5
1 22	6 59.75	+30 18.4	2.197	3.142	6.0	18.7
2 1	6 51.89	+30 20.8	2.245	3.132	9.3	18.9
2 11	6 46.10	+30 15.0	2.318	3.123	12.2	19.0

152029 2004 ND_{21} 1 7.9 150.°07 2.°3/ 8.7 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.41	+14 32.0	2.187	2.973	13.4	20.7
12 13	7 34.27	+14 32.5	2.106	2.979	10.4	20.6
12 23	7 27.03	+14 41.7	2.048	2.984	7.0	20.3
1 2	7 18.30	+14 58.7	2.017	2.989	3.6	20.1
1 12	7 8.97	+15 21.7	2.016	2.993	2.7	20.1
1 22	7 0.04	+15 48.6	2.046	2.997	5.8	20.3
2 1	6 52.42	+16 17.3	2.103	3.001	9.3	20.5
2 11	6 46.82	+16 46.0	2.186	3.005	12.3	20.7

300316 2007 PA_{36} 1 7.9 130.°61 0.°3/ 7.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 44.92	+21 40.1	1.782	2.583	15.4	21.3
12 13	7 38.88	+21 34.9	1.709	2.594	11.8	21.0
12 23	7 30.13	+21 33.2	1.659	2.603	7.5	20.8
1 2	7 19.49	+21 32.8	1.635	2.613	2.9	20.6
1 12	7 8.18	+21 31.4	1.641	2.622	2.0	20.5
1 22	6 57.54	+21 27.7	1.676	2.631	6.6	20.8
2 1	6 48.75	+21 21.7	1.739	2.639	10.8	21.1
2 11	6 42.64	+21 14.1	1.826	2.646	14.3	21.3

411455 2010 WN_{74} 1 7.9 113.°52 6.°6/10.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.78	+ 3 6.3	2.053	2.803	15.3	21.2
12 13	7 34.51	+ 2 38.3	1.983	2.818	12.6	21.1
12 23	7 27.14	+ 2 26.8	1.934	2.833	9.8	20.9
1 2	7 18.32	+ 2 33.8	1.912	2.848	7.4	20.8
1 12	7 8.99	+ 2 59.0	1.917	2.862	6.6	20.8
1 22	7 0.13	+ 3 40.0	1.950	2.876	8.0	20.9
2 1	6 52.64	+ 4 33.0	2.010	2.890	10.6	21.1
2 11	6 47.23	+ 5 33.2	2.095	2.902	13.2	21.3

260018 2004 FV_{151} 1 7.9 233.°56 1.°1/ 8.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 40.16	+17 43.1	1.861	2.662	14.8	21.1
12 13	7 35.36	+17 59.3	1.774	2.658	11.5	20.9
12 23	7 28.01	+18 24.2	1.711	2.654	7.5	20.6
1 2	7 18.75	+18 55.7	1.673	2.650	3.1	20.3
1 12	7 8.65	+19 30.5	1.665	2.645	2.1	20.3
1 22	6 58.92	+20 5.4	1.686	2.641	6.4	20.5
2 1	6 50.72	+20 38.1	1.734	2.636	10.6	20.8
2 11	6 44.96	+21 7.2	1.806	2.631	14.2	21.0

406342 2007 RR_{87} 1 7.9 111.°51 0.°2/ 7.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 44.48	+21 47.7	1.773	2.576	15.4	22.0
12 13	7 38.54	+22 2.9	1.706	2.592	11.7	21.8
12 23	7 29.91	+22 22.7	1.662	2.607	7.5	21.6
1 2	7 19.40	+22 43.6	1.644	2.622	2.8	21.4
1 12	7 8.26	+23 2.4	1.656	2.637	2.0	21.3
1 22	6 57.80	+23 16.8	1.697	2.651	6.5	21.7
2 1	6 49.21	+23 26.0	1.766	2.665	10.7	21.9
2 11	6 43.29	+23 30.5	1.858	2.678	14.1	22.2

221965 1995 SA_{39} 1 7.9 353.°89 3.°5/ 6.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.95	+30 28.6	1.932	2.741	14.1	20.8
12 13	7 36.81	+31 4.4	1.854	2.740	10.9	20.6
12 23	7 28.94	+31 38.6	1.798	2.740	7.3	20.4
1 2	7 19.09	+32 6.0	1.769	2.740	4.1	20.2
1 12	7 8.44	+32 21.9	1.769	2.740	4.2	20.2
1 22	6 58.31	+32 24.4	1.798	2.740	7.4	20.4
2 1	6 49.93	+32 14.0	1.853	2.740	10.9	20.6
2 11	6 44.20	+31 53.5	1.932	2.740	14.1	20.8

350614 2001 SS_{113} 1 7.9 73.°92 0.°7/ 8.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 47.22	+20 8.6	1.396	2.207	18.4	21.1
12 13	7 40.92	+20 9.8	1.347	2.236	14.0	20.9
12 23	7 31.47	+20 17.7	1.319	2.265	8.9	20.7
1 2	7 19.96	+20 29.1	1.316	2.294	3.5	20.4
1 12	7 7.95	+20 40.8	1.341	2.322	2.3	20.4
1 22	6 57.03	+20 50.5	1.394	2.350	7.4	20.8
2 1	6 48.51	+20 57.6	1.473	2.377	12.0	21.1
2 11	6 43.17	+21 2.1	1.574	2.404	15.7	21.4

62615 2000 SA_{340} 1 7.9 174.°25 3.°9/ 9.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.72	+ 9 29.5	2.408	3.174	12.9	19.8
12 13	7 33.55	+ 9 14.4	2.321	3.176	10.3	19.6
12 23	7 26.49	+ 9 9.8	2.258	3.178	7.4	19.4
1 2	7 18.09	+ 9 16.1	2.222	3.180	4.8	19.3
1 12	7 9.14	+ 9 32.7	2.216	3.181	4.1	19.2
1 22	7 0.51	+ 9 58.0	2.239	3.181	6.1	19.3
2 1	6 53.02	+10 29.8	2.292	3.181	9.0	19.5
2 11	6 47.33	+11 5.5	2.370	3.181	11.7	19.7

321128 2008 UN_{79} 1 7.9 107.°13 2.°1/ 7.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 41.09	+27 59.4	2.234	3.035	12.7	21.0
12 13	7 35.63	+28 20.2	2.159	3.044	9.7	20.8
12 23	7 27.92	+28 40.2	2.108	3.052	6.3	20.6
1 2	7 18.64	+28 56.0	2.085	3.060	3.0	20.4
1 12	7 8.79	+29 4.5	2.092	3.068	2.8	20.4
1 22	6 59.44	+29 4.4	2.129	3.075	6.0	20.7
2 1	6 51.58	+28 56.0	2.193	3.083	9.3	20.9
2 11	6 45.94	+28 40.9	2.283	3.090	12.2	21.1

409542 2005 UP_{22} 1 7.9 31.°30 4.°6/ 8.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 38.66	+12 26.3	1.559	2.363	17.1	20.2
12 13	7 34.32	+11 48.7	1.493	2.372	13.5	20.0
12 23	7 27.32	+11 23.0	1.448	2.382	9.5	19.8
1 2	7 18.45	+11 10.4	1.427	2.393	5.7	19.6
1 12	7 8.93	+11 10.7	1.433	2.404	4.8	19.6
1 22	7 0.05	+11 22.3	1.466	2.416	7.9	19.8
2 1	6 52.97	+11 42.6	1.524	2.428	11.7	20.1
2 11	6 48.51	+12 8.2	1.605	2.441	15.2	20.3

492666 2014 PJ_{10} 1 7.9 237.°13 0.°2/ 7.9 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.75	+21 29.5	1.812	2.616	15.1	22.3
12 13	7 37.56	+21 49.9	1.719	2.606	11.6	22.1
12 23	7 29.55	+22 16.3	1.650	2.596	7.5	21.8
1 2	7 19.40	+22 45.3	1.607	2.585	2.9	21.5
1 12	7 8.23	+23 13.2	1.593	2.573	2.0	21.4
1 22	6 57.40	+23 36.7	1.608	2.562	6.8	21.7
2 1	6 48.22	+23 54.4	1.650	2.549	11.2	21.9
2 11	6 41.70	+24 6.4	1.716	2.537	15.1	22.1

240754 2005 JZ_{163} 1 7.9 141.°52 1.°5/ 7.1 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 39.39	+23 48.5	2.619	3.412	11.2	20.3
12 13	7 34.15	+24 53.5	2.537	3.418	8.5	20.1
12 23	7 26.94	+26 2.6	2.480	3.424	5.5	19.9
1 2	7 18.30	+27 11.6	2.454	3.430	2.4	19.7
1 12	7 9.02	+28 16.2	2.458	3.435	2.3	19.7
1 22	6 59.98	+29 12.9	2.495	3.440	5.4	19.9
2 1	6 52.07	+29 59.8	2.561	3.445	8.4	20.1
2 11	6 45.99	+30 36.8	2.652	3.449	11.0	20.3

9304 1986 RA_{5} 1 7.9 108.°17 1.°1/ 8.3 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 42.74	+17 17.3	1.935	2.728	14.6	18.5
12 13	7 36.97	+17 39.5	1.869	2.748	11.2	18.3
12 23	7 28.80	+18 10.0	1.825	2.767	7.3	18.1
1 2	7 18.99	+18 46.1	1.809	2.785	3.0	17.9
1 12	7 8.60	+19 24.4	1.823	2.803	2.0	17.9
1 22	6 58.79	+20 1.8	1.867	2.821	6.0	18.2
2 1	6 50.60	+20 36.1	1.939	2.838	9.9	18.4
2 11	6 44.78	+21 6.1	2.035	2.854	13.1	18.7

206260 2002 XX_{83} 1 7.9 26.°09 3.°6/ 9.4 18

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 35.77	+10 40.2	1.830	2.624	15.3	19.7
12 13	7 31.85	+10 52.8	1.759	2.633	12.1	19.5
12 23	7 25.65	+11 19.9	1.710	2.643	8.4	19.3
1 2	7 17.83	+12 0.6	1.686	2.653	4.9	19.1
1 12	7 9.39	+12 52.2	1.691	2.664	3.8	19.0
1 22	7 1.40	+13 50.8	1.723	2.676	6.6	19.2
2 1	6 54.88	+14 52.1	1.783	2.688	10.2	19.5
2 11	6 50.58	+15 52.2	1.867	2.701	13.5	19.7

318142 2004 PO_{52} 1 7.9 110.°54 1.°7/ 7.5 17

2019/20	α_{2000} h m	δ_{2000} ° ′	Δ	r	β °	V m
12 3	7 47.02	+25 17.2	1.735	2.539	15.6	21.5
12 13	7 40.56	+25 46.5	1.673	2.559	11.9	21.3
12 23	7 31.23	+26 17.6	1.634	2.579	7.6	21.1
1 2	7 19.93	+26 45.6	1.621	2.598	3.2	20.8
1 12	7 7.99	+27 6.3	1.638	2.616	2.8	20.9
1 22	6 56.84	+27 17.4	1.684	2.634	7.0	21.2
2 1	6 47.73	+27 19.2	1.758	2.651	11.0	21.4
2 11	6 41.49	+27 13.7	1.855	2.668	14.4	21.7

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
293706	2007 QK_1		1 7.9	120.°33	0.°6/ 8.1	18
	h m	° ′			°	m
12 3	7 45.20	+20 2.4	1.940	2.733	14.6	21.4
12 13	7 38.80	+20 7.8	1.872	2.752	11.2	21.3
12 23	7 29.94	+20 18.1	1.828	2.771	7.1	21.0
1 2	7 19.41	+20 31.1	1.812	2.789	2.8	20.8
1 12	7 8.34	+20 44.1	1.826	2.806	1.9	20.8
1 22	6 57.92	+20 55.3	1.870	2.823	6.1	21.1
2 1	6 49.22	+21 3.9	1.942	2.839	10.0	21.4
2 11	6 42.98	+21 9.9	2.039	2.854	13.2	21.6
92586	2000 PS_8		1 7.9	95.°35	2.°3/ 8.4	18
12 3	7 44.28	+17 18.6	1.602	2.404	16.8	19.5
12 13	7 38.52	+16 59.3	1.537	2.420	13.0	19.3
12 23	7 29.95	+16 47.6	1.493	2.435	8.5	19.1
1 2	7 19.45	+16 42.8	1.476	2.450	4.0	18.9
1 12	7 8.31	+16 43.2	1.486	2.465	2.9	18.8
1 22	6 57.93	+16 47.3	1.525	2.480	7.1	19.1
2 1	6 49.53	+16 53.9	1.591	2.494	11.4	19.4
2 11	6 43.93	+17 1.9	1.680	2.508	15.0	19.7
110867	2001 UE_{93}		1 7.9	42.°76	6.°8/10.6	18
12 3	7 37.56	+ 2 49.1	1.821	2.583	16.6	19.8
12 13	7 33.25	+ 2 38.8	1.742	2.586	13.7	19.7
12 23	7 26.59	+ 2 48.4	1.683	2.588	10.6	19.5
1 2	7 18.21	+ 3 19.8	1.649	2.591	7.8	19.3
1 12	7 9.11	+ 4 12.1	1.642	2.594	6.9	19.3
1 22	7 0.41	+ 5 21.6	1.662	2.597	8.5	19.4
2 1	6 53.15	+ 6 42.8	1.709	2.600	11.4	19.5
2 11	6 48.15	+ 8 9.6	1.780	2.604	14.5	19.7
400880	2010 PW_{53}		1 7.9	81.°79	3.°5/ 9.2	18
12 3	7 42.89	+11 14.7	1.906	2.684	15.4	21.2
12 13	7 36.86	+11 16.4	1.851	2.717	12.0	21.0
12 23	7 28.59	+11 30.5	1.820	2.749	8.3	20.9
1 2	7 18.86	+11 55.8	1.815	2.781	4.7	20.7
1 12	7 8.74	+12 30.2	1.840	2.812	3.7	20.7
1 22	6 59.31	+13 10.4	1.894	2.843	6.5	20.9
2 1	6 51.52	+13 53.4	1.977	2.873	9.8	21.2
2 11	6 46.02	+14 36.2	2.084	2.903	12.9	21.5
460751	2014 VQ_{26}		1 7.9	86.°55	0.°7/ 8.1	18
12 3	7 41.82	+20 8.7	1.959	2.758	14.3	21.5
12 13	7 36.22	+20 6.4	1.893	2.776	10.9	21.3
12 23	7 28.29	+20 8.7	1.850	2.794	7.0	21.1
1 2	7 18.79	+20 13.9	1.834	2.811	2.8	20.9
1 12	7 8.78	+20 19.8	1.848	2.829	1.8	20.8
1 22	6 59.40	+20 25.0	1.892	2.846	5.9	21.1
2 1	6 51.63	+20 28.8	1.963	2.863	9.7	21.4
2 11	6 46.20	+20 31.1	2.059	2.880	12.9	21.6
428427	2007 TD_{203}		1 7.9	65.°75	4.°6/ 6.2	18
12 3	7 41.10	+34 5.9	2.235	3.036	12.7	21.5
12 13	7 35.87	+35 4.4	2.168	3.047	9.9	21.3
12 23	7 28.20	+35 59.0	2.126	3.058	7.0	21.2
1 2	7 18.80	+36 44.2	2.111	3.070	4.9	21.1
1 12	7 8.74	+37 15.3	2.125	3.082	5.1	21.1
1 22	6 59.19	+37 30.3	2.168	3.093	7.4	21.3
2 1	6 51.23	+37 29.8	2.237	3.105	10.2	21.5
2 11	6 45.64	+37 16.5	2.330	3.117	12.7	21.7
232497	2003 PW_7		1 7.9	241.°29	2.°4/ 8.5	18
12 3	7 42.54	+16 0.1	1.887	2.679	15.0	21.1
12 13	7 37.23	+15 48.5	1.788	2.665	11.8	20.8
12 23	7 29.27	+15 44.8	1.712	2.651	7.9	20.5
1 2	7 19.30	+15 48.5	1.662	2.635	3.9	20.3
1 12	7 8.35	+15 58.2	1.642	2.620	2.9	20.2
1 22	6 57.68	+16 12.1	1.651	2.603	6.8	20.4
2 1	6 48.51	+16 28.5	1.687	2.586	11.1	20.6
2 11	6 41.80	+16 46.1	1.748	2.569	14.8	20.8
6079	Gerokurat		1 7.9	243.°81	4.°3/ 6.8	18
12 3	7 42.89	+36 37.9	2.557	3.345	11.6	17.6
12 13	7 36.98	+36 58.8	2.469	3.339	9.2	17.4
12 23	7 28.80	+37 13.3	2.406	3.333	6.6	17.2
1 2	7 19.01	+37 17.3	2.371	3.327	4.6	17.1
1 12	7 8.61	+37 7.7	2.365	3.321	4.7	17.1
1 22	6 58.68	+36 43.7	2.389	3.315	6.8	17.2
2 1	6 50.21	+36 6.9	2.441	3.309	9.4	17.4
2 11	6 43.97	+35 20.7	2.518	3.302	11.9	17.5
199353	2006 BP_{168}		1 7.9	38.°13	0.°9/ 7.7	18
12 3	7 39.84	+23 53.5	1.927	2.735	14.1	20.5
12 13	7 35.02	+24 9.9	1.849	2.739	10.8	20.3
12 23	7 27.71	+24 29.1	1.795	2.743	6.9	20.1
1 2	7 18.64	+24 48.0	1.768	2.746	2.7	19.8
1 12	7 8.87	+25 3.3	1.770	2.750	2.1	19.8
1 22	6 59.61	+25 13.0	1.801	2.754	6.3	20.1
2 1	6 51.94	+25 16.6	1.859	2.759	10.2	20.3
2 11	6 46.69	+25 14.8	1.941	2.763	13.5	20.5

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
369311	2009 SS_{75}		1 7.9	117.°42	2.°0/ 8.6	18
	h m	° ′			°	m
12 3	7 39.18	+15 23.0	2.074	2.865	13.8	22.0
12 13	7 34.23	+15 31.5	1.996	2.873	10.7	21.8
12 23	7 27.08	+15 48.9	1.941	2.879	7.1	21.6
1 2	7 18.37	+16 13.9	1.913	2.886	3.4	21.3
1 12	7 9.06	+16 44.1	1.915	2.893	2.4	21.3
1 22	7 0.15	+17 16.9	1.946	2.899	5.9	21.5
2 1	6 52.64	+17 50.0	2.005	2.906	9.5	21.8
2 11	6 47.25	+18 21.7	2.089	2.912	12.7	22.0
165862	2001 SF_{78}		1 7.9	326.°74	6.°8/ 5.9	18
12 3	7 42.95	+40 15.3	2.053	2.849	13.8	19.6
12 13	7 37.83	+41 4.7	1.971	2.840	11.3	19.4
12 23	7 29.75	+41 45.8	1.913	2.831	8.7	19.3
1 2	7 19.47	+42 11.5	1.880	2.822	7.0	19.1
1 12	7 8.28	+42 16.7	1.874	2.814	7.2	19.1
1 22	6 57.63	+41 59.7	1.895	2.806	9.3	19.2
2 1	6 48.90	+41 22.5	1.942	2.799	12.0	19.4
2 11	6 43.05	+40 30.2	2.011	2.792	14.6	19.6
79493	1998 FD_{63}		1 7.9	264.°44	6.°7/ 5.4	18
12 3	7 44.06	+43 9.1	2.555	3.331	12.0	19.7
12 13	7 38.27	+44 4.4	2.469	3.320	9.9	19.5
12 23	7 29.85	+44 51.1	2.407	3.309	8.0	19.4
1 2	7 19.48	+45 23.0	2.372	3.298	6.8	19.3
1 12	7 8.27	+45 35.4	2.366	3.287	7.0	19.3
1 22	6 57.46	+45 26.8	2.387	3.276	8.6	19.4
2 1	6 48.28	+44 58.5	2.434	3.265	10.8	19.5
2 11	6 41.62	+44 14.9	2.504	3.254	12.9	19.6
489035	2005 WG_{166}		1 7.9	326.°12	2.°3/ 7.2	18
12 3	7 37.85	+23 24.9	1.188	2.030	19.0	21.1
12 13	7 35.28	+24 18.2	1.105	2.012	14.7	20.8
12 23	7 28.92	+25 22.5	1.041	1.994	9.6	20.4
1 2	7 19.41	+26 31.3	1.000	1.978	4.1	20.0
1 12	7 8.26	+27 35.8	0.983	1.962	3.8	20.0
1 22	6 57.43	+28 28.5	0.991	1.948	9.6	20.3
2 1	6 48.94	+29 5.5	1.022	1.934	15.3	20.5
2 11	6 44.27	+29 27.1	1.072	1.922	20.2	20.8
208972	2002 XB_{95}		1 7.9	330.°92	12.°4/ 7.9	18
12 3	7 36.70	− 3 54.0	1.813	2.546	17.6	18.8
12 13	7 32.83	− 6 6.7	1.722	2.525	15.7	18.6
12 23	7 26.50	− 8 4.1	1.652	2.504	13.9	18.5
1 2	7 18.28	− 9 38.0	1.605	2.485	12.6	18.4
1 12	7 9.10	−10 41.7	1.582	2.466	12.5	18.3
1 22	7 0.11	−11 12.2	1.582	2.448	13.7	18.3
2 1	6 52.45	−11 10.2	1.604	2.431	15.6	18.4
2 11	6 47.07	−10 41.1	1.646	2.415	17.9	18.5
23054	Thomaslynch		1 7.9	87.°76	1.°1/ 7.6	18
12 3	7 40.51	+24 26.5	2.051	2.855	13.5	19.7
12 13	7 35.36	+24 47.6	1.976	2.864	10.3	19.5
12 23	7 27.85	+25 11.0	1.926	2.872	6.6	19.3
1 2	7 18.69	+25 33.4	1.903	2.880	2.6	19.1
1 12	7 8.90	+25 51.5	1.909	2.889	2.2	19.1
1 22	6 59.62	+26 3.3	1.945	2.897	6.0	19.3
2 1	6 51.88	+26 8.4	2.009	2.905	9.7	19.6
2 11	6 46.45	+26 7.6	2.096	2.913	12.9	19.8
39153	2000 WX_{102}		1 7.9	205.°77	3.°4/ 8.9	18
12 3	7 41.06	+12 18.4	1.851	2.638	15.4	19.3
12 13	7 36.01	+12 18.5	1.763	2.634	12.2	19.1
12 23	7 28.44	+12 31.1	1.698	2.631	8.4	18.8
1 2	7 18.98	+12 55.5	1.659	2.627	4.7	18.6
1 12	7 8.67	+13 30.0	1.648	2.622	3.7	18.5
1 22	6 58.71	+14 11.4	1.667	2.618	6.9	18.7
2 1	6 50.27	+14 56.5	1.712	2.612	10.9	18.9
2 11	6 44.23	+15 42.1	1.782	2.607	14.5	19.1
38723	2000 QT_{129}		1 7.9	18.°79	4.°7/ 9.1	18
12 3	7 39.32	+11 26.3	1.423	2.229	18.3	17.8
12 13	7 35.23	+11 7.6	1.351	2.231	14.6	17.5
12 23	7 28.16	+11 4.2	1.298	2.234	10.3	17.3
1 2	7 18.91	+11 16.8	1.270	2.237	6.1	17.0
1 12	7 8.75	+11 44.1	1.267	2.240	5.0	17.0
1 22	6 59.17	+12 22.7	1.291	2.243	8.4	17.2
2 1	6 51.51	+13 8.4	1.340	2.247	12.7	17.4
2 11	6 46.76	+13 56.7	1.410	2.252	16.6	17.7
463976	2014 WN_{17}		1 7.9	93.°30	1.°7/ 7.4	18
12 3	7 41.67	+25 36.5	2.001	2.806	13.8	21.6
12 13	7 36.30	+26 7.6	1.931	2.819	10.5	21.4
12 23	7 28.47	+26 40.4	1.885	2.831	6.7	21.2
1 2	7 18.93	+27 10.8	1.867	2.843	2.9	21.0
1 12	7 8.77	+27 35.1	1.877	2.855	2.6	21.0
1 22	6 59.15	+27 50.9	1.917	2.867	6.3	21.3
2 1	6 51.17	+27 58.0	1.985	2.879	10.0	21.5
2 11	6 45.60	+27 57.6	2.077	2.890	13.1	21.8

428935 2008 WP_{125} 1 7.9 267.°05 1.°9/ 7.5 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 43.73	+30 7.2	2.846	3.630	10.7	21.4
12 13	7 37.39	+29 59.9	2.731	3.605	8.3	21.2
12 23	7 29.01	+29 49.0	2.640	3.579	5.5	21.0
1 2	7 19.14	+29 31.9	2.580	3.553	2.7	20.8
1 12	7 8.61	+29 6.8	2.551	3.526	2.5	20.7
1 22	6 58.33	+28 33.4	2.554	3.498	5.3	20.9
2 1	6 49.22	+27 52.9	2.587	3.470	8.3	21.0
2 11	6 42.00	+27 7.5	2.647	3.442	11.1	21.2

240343 2003 QY_{66} 1 7.9 179.°52 1.°0/ 8.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 43.19	+18 38.4	2.067	2.857	13.9	21.8
12 13	7 37.37	+18 44.1	1.981	2.859	10.7	21.5
12 23	7 29.17	+18 55.9	1.919	2.860	7.0	21.3
1 2	7 19.23	+19 11.9	1.884	2.861	2.9	21.1
1 12	7 8.56	+19 29.8	1.880	2.860	1.9	21.0
1 22	6 58.32	+19 47.4	1.906	2.859	6.0	21.3
2 1	6 49.55	+20 3.4	1.961	2.858	9.9	21.5
2 11	6 43.08	+20 17.3	2.040	2.856	13.2	21.7

323845 2005 SJ_{85} 1 7.9 177.°44 7.°7/ 5.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 50.13	+44 50.7	2.348	3.116	13.1	21.3
12 13	7 43.14	+45 57.2	2.276	3.118	11.0	21.1
12 23	7 33.07	+46 53.0	2.226	3.119	9.0	21.0
1 2	7 20.75	+47 30.5	2.203	3.120	7.8	20.9
1 12	7 7.52	+47 44.2	2.209	3.121	8.0	21.0
1 22	6 54.92	+47 32.6	2.241	3.120	9.6	21.1
2 1	6 44.35	+46 58.4	2.300	3.120	11.7	21.2
2 11	6 36.78	+46 7.2	2.380	3.118	13.8	21.3

471320 2011 KQ_2 1 7.9 259.°69 3.°8/ 6.3 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.55	+31 0.7	2.295	3.096	12.4	21.7
12 13	7 35.57	+32 2.3	2.206	3.088	9.6	21.5
12 23	7 28.15	+33 3.7	2.141	3.079	6.6	21.3
1 2	7 18.89	+33 59.7	2.104	3.070	4.1	21.1
1 12	7 8.76	+34 44.8	2.097	3.061	4.4	21.1
1 22	6 58.88	+35 16.1	2.119	3.052	7.1	21.3
2 1	6 50.39	+35 32.6	2.169	3.043	10.2	21.5
2 11	6 44.16	+35 36.2	2.243	3.034	13.0	21.6

412030 2013 CK_{109} 1 7.9 274.°04 0.°0/ 7.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 41.60	+19 30.8	1.671	2.480	15.9	21.6
12 13	7 37.08	+20 4.5	1.571	2.460	12.4	21.3
12 23	7 29.54	+20 48.4	1.493	2.440	8.0	21.0
1 2	7 19.55	+21 39.2	1.441	2.419	3.1	20.6
1 12	7 8.26	+22 32.0	1.418	2.399	2.1	20.5
1 22	6 57.12	+23 21.8	1.422	2.378	7.4	20.8
2 1	6 47.63	+24 5.2	1.454	2.356	12.2	21.0
2 11	6 40.97	+24 40.9	1.507	2.335	16.5	21.2

281653 2008 US_{350} 1 7.9 307.°84 4.°1/ 8.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 37.62	+11 31.0	2.127	2.909	13.8	21.0
12 13	7 33.03	+10 58.3	2.039	2.905	11.0	20.8
12 23	7 26.35	+10 34.9	1.974	2.901	7.9	20.5
1 2	7 18.15	+10 21.8	1.935	2.897	4.9	20.4
1 12	7 9.31	+10 19.0	1.926	2.893	4.2	20.3
1 22	7 0.82	+10 25.7	1.945	2.890	6.7	20.5
2 1	6 53.59	+10 40.2	1.991	2.886	9.9	20.6
2 11	6 48.37	+11 0.3	2.062	2.882	12.9	20.8

60709 2000 GN_{57} 1 7.9 123.°87 4.°4/ 6.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 48.13	+31 23.5	1.682	2.488	16.0	19.7
12 13	7 41.84	+32 14.5	1.616	2.501	12.4	19.5
12 23	7 32.31	+33 3.1	1.573	2.513	8.4	19.3
1 2	7 20.46	+33 41.7	1.557	2.525	5.0	19.1
1 12	7 7.76	+34 4.6	1.569	2.536	5.1	19.1
1 22	6 55.86	+34 9.4	1.609	2.547	8.4	19.3
2 1	6 46.21	+33 57.6	1.676	2.557	12.2	19.6
2 11	6 39.76	+33 33.6	1.764	2.567	15.5	19.8

411346 2010 UY_{70} 1 7.9 124.°81 3.°5/ 7.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 46.38	+32 1.1	1.920	2.720	14.5	21.0
12 13	7 40.07	+32 15.2	1.846	2.728	11.2	20.8
12 23	7 30.96	+32 24.7	1.796	2.735	7.6	20.6
1 2	7 19.89	+32 24.7	1.772	2.742	4.2	20.4
1 12	7 8.17	+32 12.0	1.778	2.749	4.1	20.4
1 22	6 57.18	+31 45.9	1.813	2.755	7.3	20.6
2 1	6 48.14	+31 8.8	1.875	2.761	10.9	20.9
2 11	6 41.90	+30 24.5	1.961	2.767	14.0	21.1

449543 2014 HN_{128} 1 7.9 157.°13 1.°5/ 7.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 45.65	+24 22.4	1.824	2.626	15.1	22.4
12 13	7 39.62	+24 54.2	1.748	2.633	11.5	22.2
12 23	7 30.77	+25 29.3	1.694	2.640	7.4	22.0
1 2	7 19.87	+26 3.2	1.668	2.645	3.0	21.7
1 12	7 8.15	+26 31.2	1.672	2.650	2.6	21.7
1 22	6 56.99	+26 50.6	1.704	2.655	6.9	22.0
2 1	6 47.67	+27 0.8	1.765	2.659	11.0	22.2
2 11	6 41.09	+27 3.0	1.849	2.662	14.5	22.5

37760 1997 EG_{41} 1 7.9 32.°47 2.°2/ 7.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 42.68	+28 22.2	1.602	2.420	16.1	17.5
12 13	7 37.57	+28 21.9	1.537	2.430	12.3	17.3
12 23	7 29.49	+28 19.5	1.493	2.440	8.0	17.1
1 2	7 19.35	+28 11.0	1.476	2.452	3.6	16.8
1 12	7 8.58	+27 53.8	1.485	2.463	3.1	16.8
1 22	6 58.63	+27 27.6	1.523	2.475	7.3	17.1
2 1	6 50.79	+26 54.3	1.587	2.488	11.5	17.4
2 11	6 45.88	+26 16.8	1.673	2.501	15.1	17.6

119960 2002 TO_{25} 1 7.9 38.°11 4.°2/ 8.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 41.56	+14 3.4	1.247	2.065	19.7	19.5
12 13	7 37.26	+13 35.1	1.182	2.071	15.5	19.3
12 23	7 29.60	+13 20.1	1.135	2.077	10.6	19.0
1 2	7 19.49	+13 19.1	1.112	2.083	5.8	18.8
1 12	7 8.45	+13 30.7	1.115	2.090	4.6	18.7
1 22	6 58.17	+13 52.2	1.143	2.098	8.8	19.0
2 1	6 50.18	+14 20.4	1.195	2.105	13.6	19.3
2 11	6 45.48	+14 51.6	1.267	2.113	17.8	19.6

167150 2003 SR_{211} 1 7.9 148.°33 0.°6/ 8.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 43.02	+18 28.4	1.961	2.755	14.4	20.7
12 13	7 37.34	+18 57.6	1.884	2.764	11.1	20.5
12 23	7 29.19	+19 34.7	1.830	2.772	7.1	20.3
1 2	7 19.26	+20 16.8	1.803	2.780	2.8	20.0
1 12	7 8.60	+20 59.9	1.806	2.787	1.8	19.9
1 22	6 58.40	+21 40.6	1.840	2.794	6.1	20.2
2 1	6 49.76	+22 16.7	1.902	2.800	10.1	20.5
2 11	6 43.53	+22 47.2	1.988	2.805	13.5	20.7

154328 2002 VM_{80} 1 7.9 63.°98 0.°5/ 7.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 43.00	+20 6.8	1.314	2.137	18.6	20.0
12 13	7 38.42	+20 54.8	1.250	2.146	14.3	19.8
12 23	7 30.39	+21 53.7	1.206	2.156	9.1	19.5
1 2	7 19.81	+22 57.9	1.188	2.166	3.4	19.2
1 12	7 8.22	+24 0.1	1.196	2.176	2.5	19.2
1 22	6 57.37	+24 54.3	1.230	2.187	8.1	19.5
2 1	6 48.85	+25 37.4	1.290	2.197	13.1	19.8
2 11	6 43.71	+26 9.2	1.371	2.208	17.3	20.1

328341 2008 KP_2 1 7.9 127.°50 0.°5/ 7.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 40.58	+21 43.7	2.002	2.805	13.9	21.1
12 13	7 35.53	+22 16.0	1.924	2.810	10.6	20.9
12 23	7 28.05	+22 53.6	1.869	2.815	6.8	20.7
1 2	7 18.83	+23 33.2	1.841	2.819	2.6	20.5
1 12	7 8.89	+24 10.7	1.844	2.824	1.9	20.4
1 22	6 59.38	+24 43.1	1.875	2.828	6.1	20.7
2 1	6 51.39	+25 8.8	1.935	2.833	9.9	20.9
2 11	6 45.72	+25 27.7	2.019	2.837	13.2	21.2

81458 2000 GL_{131} 1 7.9 116.°30 2.°8/ 7.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 44.81	+29 8.8	2.174	2.970	13.1	20.7
12 13	7 38.51	+29 46.4	2.108	2.989	10.0	20.5
12 23	7 29.80	+30 22.7	2.067	3.007	6.6	20.4
1 2	7 19.45	+30 53.0	2.053	3.025	3.5	20.2
1 12	7 8.53	+31 13.5	2.070	3.042	3.4	20.2
1 22	6 58.21	+31 22.4	2.117	3.059	6.4	20.4
2 1	6 49.55	+31 20.3	2.192	3.075	9.7	20.7
2 11	6 43.28	+31 9.4	2.292	3.090	12.5	20.9

163710 2003 GK_5 1 7.9 231.°89 1.°5/ 8.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 43.22	+17 41.9	1.866	2.661	15.0	21.3
12 13	7 37.82	+17 42.0	1.770	2.650	11.7	21.1
12 23	7 29.71	+17 49.5	1.696	2.638	7.7	20.8
1 2	7 19.54	+18 3.2	1.650	2.625	3.4	20.5
1 12	7 8.39	+18 20.5	1.632	2.612	2.4	20.4
1 22	6 57.53	+18 39.2	1.644	2.598	6.7	20.7
2 1	6 48.23	+18 57.7	1.683	2.583	11.0	20.9
2 11	6 41.46	+19 14.8	1.746	2.568	14.8	21.1

404519 2013 HP_{96} 1 7.9 71.°18 1.°5/ 7.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 43.18	+24 38.0	1.599	2.414	16.2	21.2
12 13	7 37.97	+25 3.7	1.534	2.426	12.4	21.0
12 23	7 29.79	+25 32.4	1.491	2.439	7.9	20.8
1 2	7 19.51	+25 59.5	1.474	2.451	3.2	20.5
1 12	7 8.49	+26 20.7	1.484	2.464	2.7	20.5
1 22	6 58.19	+26 33.2	1.523	2.476	7.2	20.8
2 1	6 49.94	+26 37.0	1.588	2.489	11.5	21.1
2 11	6 44.61	+26 33.5	1.676	2.501	15.2	21.4

351519 2005 SF_{103} 1 7.9 80.°20 1.°4/ 8.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 3	7 46.00	+18 56.3	1.388	2.200	18.4	21.2
12 13	7 40.18	+18 52.2	1.331	2.221	14.1	21.0
12 23	7 31.18	+18 56.1	1.296	2.242	9.1	20.7
1 2	7 20.01	+19 5.6	1.286	2.263	3.8	20.5
1 12	7 8.19	+19 17.7	1.303	2.283	2.5	20.4
1 22	6 57.34	+19 29.8	1.347	2.304	7.5	20.8
2 1	6 48.82	+19 40.8	1.418	2.324	12.2	21.1
2 11	6 43.47	+19 50.1	1.510	2.344	16.1	21.4

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
265698	2005 UR_{152}		1 7.9	86.°09	4.°4/ 6.6	18
	h m	° ′			°	m
12 3	7 44.41	+32 5.4	1.920	2.724	14.3	20.8
12 13	7 38.64	+33 3.4	1.859	2.741	11.1	20.6
12 23	7 30.10	+33 58.5	1.821	2.758	7.6	20.5
1 2	7 19.61	+34 44.3	1.810	2.775	4.8	20.3
1 12	7 8.43	+35 15.3	1.829	2.792	5.0	20.4
1 22	6 57.92	+35 29.4	1.875	2.809	7.8	20.6
2 1	6 49.31	+35 27.6	1.949	2.825	11.0	20.8
2 11	6 43.44	+35 13.1	2.045	2.841	13.9	21.0
354039	2001 RN_{145}		1 7.9	136.°42	1.°4/ 8.7	17
12 3	7 33.08	+15 13.7	4.056	4.827	8.0	22.2
12 13	7 28.61	+15 13.1	3.974	4.839	6.1	22.1
12 23	7 23.08	+15 16.8	3.918	4.850	4.1	22.0
1 2	7 16.83	+15 24.1	3.891	4.862	2.1	21.8
1 12	7 10.32	+15 34.4	3.897	4.873	1.6	21.8
1 22	7 4.03	+15 46.8	3.934	4.883	3.4	21.9
2 1	6 58.38	+16 0.4	4.001	4.894	5.4	22.1
2 11	6 53.77	+16 14.5	4.097	4.904	7.3	22.2
1142	Aetolia		1 7.9	237.°07	0.°5/ 8.1	18
12 3	7 37.27	+19 50.1	2.564	3.356	11.5	15.7
12 13	7 32.54	+20 1.0	2.471	3.351	8.8	15.5
12 23	7 25.95	+20 16.4	2.402	3.345	5.7	15.3
1 2	7 18.02	+20 34.6	2.362	3.339	2.2	15.0
1 12	7 9.51	+20 53.7	2.352	3.333	1.5	15.0
1 22	7 1.26	+21 12.0	2.373	3.327	4.9	15.2
2 1	6 54.09	+21 28.2	2.423	3.321	8.2	15.4
2 11	6 48.68	+21 41.7	2.498	3.314	11.1	15.6
119828	2002 BW_{19}		1 7.9	24.°52	4.°4/ 9.7	18
12 3	7 37.58	+ 8 40.5	1.782	2.567	16.0	19.6
12 13	7 33.39	+ 8 49.5	1.703	2.570	12.8	19.4
12 23	7 26.77	+ 9 15.1	1.646	2.573	9.2	19.1
1 2	7 18.39	+ 9 57.2	1.614	2.576	5.7	19.0
1 12	7 9.26	+10 53.4	1.610	2.579	4.6	18.9
1 22	7 0.52	+11 59.4	1.633	2.583	7.2	19.1
2 1	6 53.28	+13 10.4	1.684	2.587	10.9	19.3
2 11	6 48.37	+14 21.5	1.759	2.591	14.3	19.5
421229	2013 SY_{40}		1 7.9	153.°74	1.°9/ 8.6	18
12 3	7 39.86	+16 0.8	2.374	3.158	12.5	21.6
12 13	7 34.50	+15 57.0	2.291	3.164	9.7	21.4
12 23	7 27.17	+15 59.9	2.233	3.170	6.5	21.2
1 2	7 18.47	+16 8.5	2.203	3.176	3.1	21.0
1 12	7 9.24	+16 21.4	2.203	3.181	2.3	21.0
1 22	7 0.39	+16 37.1	2.234	3.186	5.4	21.2
2 1	6 52.76	+16 54.1	2.294	3.190	8.7	21.4
2 11	6 47.04	+17 11.3	2.379	3.194	11.6	21.6
196283	2003 ES_{33}		1 7.9	262.°99	3.°6/ 8.8	18
12 3	7 41.22	+13 27.5	1.590	2.390	17.0	20.4
12 13	7 36.67	+13 15.8	1.499	2.379	13.5	20.1
12 23	7 29.17	+13 16.3	1.430	2.367	9.3	19.9
1 2	7 19.41	+13 29.1	1.385	2.355	5.1	19.6
1 12	7 8.55	+13 52.8	1.368	2.344	4.0	19.5
1 22	6 58.01	+14 24.7	1.378	2.331	7.8	19.7
2 1	6 49.20	+15 1.5	1.414	2.319	12.4	19.9
2 11	6 43.19	+15 40.1	1.473	2.307	16.5	20.1
255875	2006 SJ_{223}		1 7.9	207.°73	2.°4/ 7.3	18
12 3	7 43.39	+27 23.3	1.949	2.753	14.1	21.6
12 13	7 37.92	+27 53.6	1.864	2.750	10.9	21.3
12 23	7 29.74	+28 24.6	1.802	2.747	7.1	21.1
1 2	7 19.55	+28 51.9	1.768	2.743	3.4	20.9
1 12	7 8.51	+29 11.0	1.763	2.739	3.2	20.8
1 22	6 57.91	+29 19.6	1.787	2.735	6.9	21.1
2 1	6 48.99	+29 17.6	1.839	2.730	10.8	21.3
2 11	6 42.68	+29 7.1	1.914	2.725	14.1	21.5
109070	2001 QD_{22}		1 7.9	356.°79	8.°0/ 6.5	18
12 3	7 46.20	+40 23.1	1.556	2.364	16.9	17.9
12 13	7 41.11	+41 11.6	1.486	2.362	13.8	17.7
12 23	7 32.23	+41 49.2	1.437	2.360	10.6	17.5
1 2	7 20.57	+42 6.6	1.412	2.359	8.3	17.4
1 12	7 7.86	+41 57.3	1.413	2.358	8.5	17.4
1 22	6 56.08	+41 20.3	1.439	2.358	10.9	17.5
2 1	6 46.95	+40 20.1	1.489	2.359	14.2	17.7
2 11	6 41.52	+39 4.5	1.560	2.360	17.3	17.9
396574	2000 HK_{89}		1 7.9	169.°81	1.°8/ 7.4	18
12 3	7 46.07	+25 35.4	2.036	2.831	13.9	22.3
12 13	7 39.75	+26 8.6	1.955	2.837	10.7	22.1
12 23	7 30.80	+26 43.8	1.898	2.841	6.9	21.9
1 2	7 19.93	+27 16.5	1.868	2.844	3.0	21.6
1 12	7 8.28	+27 42.5	1.870	2.847	2.7	21.6
1 22	6 57.12	+27 59.2	1.901	2.849	6.5	21.9
2 1	6 47.61	+28 6.4	1.961	2.850	10.3	22.1
2 11	6 40.65	+28 5.4	2.045	2.850	13.6	22.3

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
448744	2011 JG_{16}		1 7.9	211.°93	4.°5/ 8.9	18
	h m	° ′			°	m
12 3	7 43.16	+11 39.0	1.626	2.416	17.1	22.0
12 13	7 37.98	+11 14.5	1.540	2.412	13.6	21.7
12 23	7 29.91	+11 2.5	1.476	2.407	9.7	21.5
1 2	7 19.67	+11 4.0	1.436	2.402	5.8	21.2
1 12	7 8.45	+11 18.5	1.425	2.396	4.8	21.2
1 22	6 57.65	+11 43.8	1.441	2.389	8.1	21.4
2 1	6 48.60	+12 16.8	1.483	2.382	12.3	21.6
2 11	6 42.30	+12 54.3	1.548	2.375	16.1	21.8
453111	2007 XD_{55}		1 7.9	56.°26	1.°9/ 7.7	16
12 3	7 46.84	+26 35.9	1.411	2.230	17.8	20.4
12 13	7 40.78	+26 43.2	1.364	2.257	13.5	20.2
12 23	7 31.50	+26 50.3	1.338	2.286	8.6	20.0
1 2	7 20.13	+26 52.6	1.337	2.314	3.6	19.8
1 12	7 8.28	+26 46.9	1.364	2.343	3.0	19.8
1 22	6 57.60	+26 32.4	1.418	2.371	7.6	20.2
2 1	6 49.40	+26 11.0	1.498	2.400	12.0	20.5
2 11	6 44.43	+25 45.3	1.600	2.428	15.6	20.8
241657	2000 JC_7		1 7.9	257.°66	5.°4/ 9.6	17
12 3	7 36.62	+ 5 29.9	2.482	3.236	12.9	21.3
12 13	7 32.06	+ 4 54.3	2.383	3.224	10.6	21.1
12 23	7 25.68	+ 4 30.0	2.308	3.212	8.2	20.9
1 2	7 17.96	+ 4 19.1	2.259	3.200	6.1	20.8
1 12	7 9.63	+ 4 22.1	2.238	3.187	5.5	20.7
1 22	7 1.50	+ 4 38.3	2.246	3.174	7.0	20.8
2 1	6 54.38	+ 5 5.9	2.282	3.162	9.5	20.9
2 11	6 48.95	+ 5 41.7	2.343	3.148	12.1	21.1
64013	2001 SF_{140}		1 7.9	310.°05	4.°6/ 8.9	18
12 3	7 39.30	+12 34.9	1.358	2.170	18.7	19.3
12 13	7 35.63	+12 10.6	1.272	2.157	14.9	19.0
12 23	7 28.74	+12 0.3	1.207	2.145	10.5	18.7
1 2	7 19.31	+12 5.4	1.164	2.133	6.1	18.5
1 12	7 8.67	+12 25.1	1.147	2.121	5.0	18.3
1 22	6 58.39	+12 56.8	1.155	2.109	8.9	18.5
2 1	6 50.07	+13 36.7	1.188	2.099	13.7	18.8
2 11	6 44.86	+14 20.6	1.242	2.088	18.1	19.0
215493	2002 TR_{143}		1 7.9	59.°00	0.°0/ 7.9	18
12 3	7 41.19	+19 39.5	1.575	2.388	16.5	19.9
12 13	7 36.45	+20 12.6	1.510	2.401	12.6	19.6
12 23	7 28.86	+20 54.4	1.467	2.414	8.1	19.4
1 2	7 19.22	+21 40.7	1.450	2.428	3.1	19.1
1 12	7 8.81	+22 26.8	1.460	2.441	2.0	19.1
1 22	6 59.06	+23 8.4	1.499	2.455	7.0	19.4
2 1	6 51.23	+23 43.2	1.564	2.469	11.4	19.7
2 11	6 46.21	+24 10.4	1.652	2.483	15.1	20.0
434102	2002 JY_{100}		1 7.9	245.°76	11.°0/ 2.1	16
12 3	7 53.43	+32 31.0	1.174	1.996	20.5	20.6
12 13	7 48.85	+36 17.9	1.101	1.989	16.5	20.3
12 23	7 38.91	+40 19.3	1.052	1.982	12.7	20.0
1 2	7 23.82	+44 10.7	1.030	1.974	11.0	19.9
1 12	7 5.27	+47 25.0	1.035	1.967	12.7	20.0
1 22	6 46.29	+49 44.4	1.067	1.959	16.5	20.2
2 1	6 30.39	+51 7.2	1.119	1.950	20.6	20.4
2 11	6 20.18	+51 44.6	1.189	1.942	24.2	20.6
214265	2005 GU_{31}		1 7.9	143.°81	3.°1/ 6.9	18 R
12 3	7 46.05	+31 5.8	2.479	3.265	12.0	21.4
12 13	7 39.26	+31 41.2	2.406	3.280	9.2	21.2
12 23	7 30.24	+32 14.0	2.358	3.294	6.2	21.0
1 2	7 19.66	+32 39.7	2.339	3.307	3.6	20.9
1 12	7 8.53	+32 54.8	2.351	3.319	3.6	20.9
1 22	6 57.92	+32 58.1	2.395	3.331	6.2	21.1
2 1	6 48.80	+32 50.0	2.467	3.341	9.1	21.3
2 11	6 41.91	+32 33.2	2.564	3.351	11.7	21.5
502094	2015 AB_{252}		1 7.9	226.°48	0.°5/ 7.7	18
12 3	7 38.65	+21 19.7	2.338	3.136	12.3	22.0
12 13	7 33.86	+21 59.9	2.248	3.132	9.4	21.8
12 23	7 26.95	+22 45.8	2.183	3.128	6.0	21.5
1 2	7 18.47	+23 34.2	2.146	3.124	2.3	21.3
1 12	7 9.29	+24 21.4	2.139	3.119	1.7	21.2
1 22	7 0.36	+25 4.1	2.163	3.115	5.5	21.5
2 1	6 52.64	+25 40.5	2.215	3.110	9.0	21.7
2 11	6 46.89	+26 9.8	2.293	3.105	12.0	21.9
162816	2001 BL_{23}		1 7.9	28.°06	0.°0/ 7.9	18
12 3	7 39.32	+19 33.5	1.200	2.035	19.3	19.3
12 13	7 35.78	+20 13.3	1.143	2.045	14.8	19.1
12 23	7 28.78	+21 4.7	1.105	2.057	9.5	18.8
1 2	7 19.26	+22 2.5	1.091	2.070	3.6	18.5
1 12	7 8.80	+22 59.9	1.102	2.084	2.4	18.5
1 22	6 59.17	+23 51.0	1.139	2.098	8.2	18.9
2 1	6 51.93	+24 32.4	1.200	2.114	13.3	19.2
2 11	6 48.08	+25 3.4	1.281	2.130	17.5	19.5

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
430240	2013 WT_6		1 7.9	89.°03	4.°3/ 6.4	18
	h m	° ′			°	m
12 3	7 41.73	+33 45.1	2.285	3.083	12.5	21.0
12 13	7 36.33	+34 37.0	2.215	3.093	9.8	20.8
12 23	7 28.55	+35 25.3	2.169	3.102	6.9	20.7
1 2	7 19.06	+36 4.6	2.151	3.112	4.6	20.5
1 12	7 8.92	+36 30.6	2.162	3.121	4.8	20.6
1 22	6 59.27	+36 41.5	2.202	3.130	7.2	20.7
2 1	6 51.17	+36 37.7	2.270	3.140	9.9	20.9
2 11	6 45.41	+36 22.1	2.361	3.149	12.5	21.1
340655	2006 RC_{12}		1 7.9	184.°30	5.°0/ 6.0	18
12 3	7 43.47	+40 32.7	3.056	3.829	10.3	21.2
12 13	7 37.24	+41 13.0	2.975	3.829	8.3	21.1
12 23	7 28.94	+41 46.3	2.919	3.829	6.4	20.9
1 2	7 19.18	+42 8.1	2.890	3.828	5.1	20.8
1 12	7 8.85	+42 15.4	2.892	3.827	5.3	20.9
1 22	6 58.91	+42 7.0	2.923	3.825	6.8	20.9
2 1	6 50.28	+41 44.2	2.983	3.823	8.7	21.1
2 11	6 43.64	+41 9.9	3.066	3.821	10.7	21.2
116922	2004 GS_{24}		1 7.9	205.°74	1.°3/ 7.5	18
12 3	7 41.48	+23 52.3	1.964	2.769	14.0	20.3
12 13	7 36.40	+24 26.7	1.880	2.767	10.7	20.1
12 23	7 28.75	+25 5.2	1.819	2.765	6.9	19.8
1 2	7 19.20	+25 43.7	1.785	2.762	2.8	19.6
1 12	7 8.81	+26 17.9	1.781	2.760	2.4	19.5
1 22	6 58.81	+26 44.9	1.806	2.757	6.5	19.8
2 1	6 50.38	+27 3.3	1.858	2.754	10.4	20.0
2 11	6 44.39	+27 13.7	1.935	2.751	13.8	20.2
380399	2002 XZ_{115}		1 7.9	34.°50	0.°4/ 7.8	18
12 3	7 37.85	+20 16.3	2.031	2.836	13.6	20.4
12 13	7 33.45	+21 7.0	1.956	2.843	10.4	20.2
12 23	7 26.76	+22 5.1	1.904	2.850	6.6	20.0
1 2	7 18.41	+23 6.7	1.880	2.858	2.5	19.7
1 12	7 9.37	+24 7.3	1.885	2.866	1.9	19.7
1 22	7 0.71	+25 2.6	1.920	2.874	5.9	20.0
2 1	6 53.46	+25 50.1	1.983	2.882	9.7	20.2
2 11	6 48.40	+26 28.8	2.071	2.891	12.9	20.4
163614	2002 TQ_{280}		1 7.9	105.°73	0.°0/ 7.8	18
12 3	7 40.23	+22 26.6	2.388	3.182	12.2	19.8
12 13	7 34.77	+22 22.1	2.312	3.193	9.3	19.7
12 23	7 27.34	+22 19.6	2.260	3.204	5.9	19.5
1 2	7 18.56	+22 17.4	2.237	3.215	2.2	19.2
1 12	7 9.32	+22 14.1	2.245	3.226	1.5	19.2
1 22	7 0.55	+22 8.8	2.283	3.236	5.1	19.5
2 1	6 53.09	+22 1.2	2.349	3.246	8.5	19.7
2 11	6 47.59	+21 52.0	2.442	3.256	11.3	19.9
81871	2000 LP_3		1 7.9	160.°51	6.°3/ 9.6	18
12 3	7 39.72	+ 5 9.3	2.128	2.884	14.7	19.2
12 13	7 34.57	+ 4 23.0	2.046	2.887	12.1	19.0
12 23	7 27.33	+ 3 50.0	1.987	2.891	9.3	18.8
1 2	7 18.60	+ 3 32.7	1.954	2.894	7.0	18.7
1 12	7 9.27	+ 3 32.0	1.949	2.897	6.3	18.6
1 22	7 0.32	+ 3 46.9	1.972	2.899	7.9	18.7
2 1	6 52.66	+ 4 15.0	2.023	2.901	10.6	18.9
2 11	6 47.01	+ 4 52.6	2.097	2.903	13.3	19.1
193456	2000 XZ_1		1 7.9	344.°99	11.°9/ 6.7	18
12 3	7 47.38	+11 5.8	0.952	1.775	24.1	19.0
12 13	7 42.62	+ 7 56.1	0.886	1.770	19.9	18.7
12 23	7 33.56	+ 4 49.7	0.838	1.765	15.6	18.4
1 2	7 21.21	+ 2 0.5	0.812	1.761	12.4	18.2
1 12	7 7.51	− 0 16.6	0.810	1.758	12.5	18.2
1 22	6 54.74	− 1 51.7	0.829	1.756	15.8	18.4
2 1	6 44.91	− 2 43.3	0.869	1.754	20.2	18.6
2 11	6 39.30	− 2 58.1	0.925	1.754	24.3	18.9
256308	2006 WO_{185}		1 7.9	129.°80	2.°9/ 6.8	18
12 3	7 45.49	+28 29.6	2.278	3.070	12.7	21.6
12 13	7 39.05	+29 29.9	2.209	3.088	9.8	21.4
12 23	7 30.23	+30 30.4	2.166	3.105	6.4	21.2
1 2	7 19.72	+31 25.5	2.151	3.122	3.5	21.1
1 12	7 8.55	+32 10.5	2.168	3.138	3.6	21.1
1 22	6 57.87	+32 42.6	2.215	3.153	6.5	21.3
2 1	6 48.73	+33 1.5	2.291	3.167	9.6	21.5
2 11	6 41.92	+33 9.0	2.391	3.181	12.3	21.7
179807	2002 TO_{68}		1 7.9	34.°16	10.°1/12.1	18
12 3	7 37.05	− 2 20.3	1.458	2.217	20.2	19.5
12 13	7 33.30	− 2 53.6	1.397	2.228	17.2	19.3
12 23	7 26.85	− 2 59.2	1.354	2.241	14.0	19.1
1 2	7 18.48	− 2 32.9	1.332	2.254	11.3	19.0
1 12	7 9.40	− 1 34.8	1.333	2.267	10.1	19.0
1 22	7 0.91	− 0 9.9	1.360	2.282	11.2	19.1
2 1	6 54.22	+ 1 34.0	1.411	2.297	13.7	19.2
2 11	6 50.16	+ 3 27.0	1.484	2.312	16.6	19.5

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
419084	2009 SK_{125}		1 7.9	128.°02	4.°8/ 9.4	18
	h m	° ′			°	m
12 3	7 39.52	+ 8 11.8	2.213	2.978	13.9	21.4
12 13	7 34.30	+ 7 41.6	2.136	2.989	11.2	21.2
12 23	7 27.09	+ 7 23.1	2.083	2.998	8.2	21.1
1 2	7 18.50	+ 7 17.3	2.056	3.008	5.6	20.9
1 12	7 9.39	+ 7 24.2	2.057	3.017	4.9	20.9
1 22	7 0.69	+ 7 42.3	2.089	3.026	6.8	21.0
2 1	6 53.27	+ 8 9.4	2.148	3.035	9.6	21.2
2 11	6 47.79	+ 8 42.6	2.231	3.043	12.4	21.4
258554	2002 CK_{57}		1 7.9	4.°64	4.°9/ 9.2	18
12 3	7 30.88	+12 45.1	1.063	1.907	20.6	18.9
12 13	7 29.57	+12 19.9	1.003	1.906	16.3	18.6
12 23	7 24.94	+12 12.2	0.962	1.908	11.4	18.3
1 2	7 17.85	+12 23.4	0.941	1.912	6.6	18.1
1 12	7 9.81	+12 52.0	0.943	1.918	5.2	18.0
1 22	7 2.49	+13 33.6	0.967	1.927	9.1	18.3
2 1	6 57.40	+14 22.5	1.014	1.938	14.0	18.6
2 11	6 55.55	+15 13.1	1.081	1.952	18.4	18.9
454341	2014 LS_{13}		1 7.9	170.°85	0.°1/ 7.9	18
12 3	7 42.81	+19 56.3	1.868	2.668	14.8	21.3
12 13	7 37.46	+20 34.0	1.786	2.671	11.4	21.1
12 23	7 29.47	+21 19.6	1.728	2.673	7.3	20.9
1 2	7 19.50	+22 9.4	1.697	2.675	2.8	20.6
1 12	7 8.68	+22 58.7	1.695	2.676	1.9	20.5
1 22	6 58.27	+23 43.5	1.723	2.677	6.5	20.8
2 1	6 49.48	+24 21.4	1.779	2.677	10.6	21.1
2 11	6 43.22	+24 51.8	1.859	2.677	14.2	21.3
79370	1997 EJ_{33}		1 7.9	319.°79	3.°0/ 7.3	18
12 3	7 42.42	+26 31.0	1.260	2.093	18.7	19.0
12 13	7 38.59	+27 7.2	1.182	2.083	14.5	18.7
12 23	7 30.93	+27 47.2	1.124	2.074	9.5	18.4
1 2	7 20.24	+28 24.4	1.089	2.066	4.4	18.0
1 12	7 8.15	+28 51.7	1.080	2.058	4.1	18.0
1 22	6 56.65	+29 4.7	1.097	2.050	9.3	18.3
2 1	6 47.61	+29 3.2	1.136	2.043	14.5	18.5
2 11	6 42.34	+28 50.1	1.196	2.036	19.1	18.8
193142	2000 HK_{72}		1 7.9	213.°27	1.°5/ 7.5	18
12 3	7 45.20	+24 26.6	1.900	2.701	14.6	21.7
12 13	7 39.42	+24 58.5	1.809	2.694	11.2	21.4
12 23	7 30.82	+25 34.1	1.741	2.686	7.3	21.2
1 2	7 20.06	+26 9.0	1.701	2.678	3.0	20.9
1 12	7 8.30	+26 38.7	1.690	2.668	2.6	20.8
1 22	6 56.89	+26 59.9	1.708	2.659	6.9	21.1
2 1	6 47.16	+27 11.7	1.755	2.648	11.1	21.3
2 11	6 40.09	+27 15.3	1.825	2.637	14.7	21.5
33355	1998 YJ_{19}		1 7.9	106.°22	0.°4/ 7.9	18
12 3	7 46.72	+21 47.2	1.686	2.488	16.1	20.4
12 13	7 40.40	+22 10.7	1.625	2.510	12.3	20.2
12 23	7 31.24	+22 39.3	1.586	2.531	7.8	20.0
1 2	7 20.13	+23 8.8	1.574	2.552	2.9	19.7
1 12	7 8.39	+23 35.3	1.591	2.572	2.1	19.7
1 22	6 57.44	+23 55.9	1.638	2.591	6.8	20.0
2 1	6 48.49	+24 9.8	1.712	2.610	11.0	20.3
2 11	6 42.38	+24 17.9	1.809	2.628	14.5	20.6
124570	2001 SS_4		1 7.9	317.°76	5.°6/ 6.6	18
12 3	7 43.93	+31 53.7	1.340	2.168	18.1	18.9
12 13	7 39.77	+32 49.8	1.263	2.159	14.2	18.6
12 23	7 31.71	+33 44.8	1.207	2.150	9.9	18.3
1 2	7 20.56	+34 29.6	1.174	2.142	6.2	18.1
1 12	7 8.00	+34 55.9	1.167	2.134	6.4	18.1
1 22	6 56.05	+34 59.5	1.185	2.126	10.3	18.3
2 1	6 46.66	+34 41.7	1.226	2.119	14.8	18.5
2 11	6 41.11	+34 7.9	1.288	2.112	18.9	18.7
86897	2000 HK_{39}		1 7.9	107.°16	2.°4/ 7.2	18
12 3	7 45.92	+25 11.4	1.607	2.417	16.4	19.6
12 13	7 40.18	+26 7.5	1.542	2.432	12.5	19.4
12 23	7 31.34	+27 7.6	1.500	2.447	8.1	19.2
1 2	7 20.24	+28 5.2	1.485	2.461	3.6	19.0
1 12	7 8.29	+28 53.6	1.498	2.475	3.4	19.0
1 22	6 57.04	+29 29.0	1.540	2.488	7.7	19.3
2 1	6 47.91	+29 50.5	1.608	2.502	11.9	19.5
2 11	6 41.84	+30 0.0	1.699	2.514	15.5	19.8
377029	2002 RT_{240}		1 7.9	22.°45	2.°9/ 7.4	18
12 3	7 41.69	+30 10.0	1.892	2.702	14.3	20.0
12 13	7 36.59	+30 19.7	1.818	2.706	11.0	19.7
12 23	7 28.84	+30 26.4	1.767	2.711	7.3	19.5
1 2	7 19.24	+30 26.0	1.743	2.716	3.7	19.3
1 12	7 8.98	+30 15.6	1.747	2.722	3.5	19.3
1 22	6 59.36	+29 54.6	1.780	2.728	6.9	19.5
2 1	6 51.54	+29 24.3	1.840	2.734	10.6	19.8
2 11	6 46.32	+28 47.8	1.923	2.740	13.8	20.0

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
450314 2004 RE_{250}			1 7.9	87.°93	0.°8/ 8.2	17
	h m	° ′			°	m
12 3	7 45.65	+19 45.7	1.550	2.356	17.1	21.8
12 13	7 39.71	+19 50.1	1.491	2.378	13.0	21.6
12 23	7 30.85	+20 1.3	1.454	2.399	8.4	21.4
1 2	7 19.99	+20 16.3	1.443	2.420	3.3	21.1
1 12	7 8.52	+20 32.0	1.460	2.440	2.1	21.1
1 22	6 57.90	+20 46.0	1.505	2.461	7.0	21.5
2 1	6 49.38	+20 57.3	1.577	2.480	11.4	21.8
2 11	6 43.80	+21 5.7	1.672	2.500	15.1	22.0
285764 2000 UJ_{32}			1 7.9	77.°34	2.°3/ 7.2	18
12 3	7 41.65	+26 38.2	1.897	2.706	14.3	20.9
12 13	7 36.56	+27 18.8	1.826	2.715	10.9	20.7
12 23	7 28.86	+28 1.1	1.778	2.724	7.1	20.4
1 2	7 19.28	+28 40.1	1.757	2.732	3.3	20.2
1 12	7 8.97	+29 11.3	1.765	2.741	3.2	20.2
1 22	6 59.20	+29 32.0	1.802	2.750	6.8	20.5
2 1	6 51.13	+29 41.6	1.866	2.759	10.5	20.7
2 11	6 45.62	+29 41.8	1.954	2.768	13.8	21.0
99887 2002 PC_{159}			1 7.9	24.°59	1.°0/ 7.7	18
12 3	7 38.97	+23 35.2	1.914	2.724	14.1	19.7
12 13	7 34.47	+24 0.3	1.838	2.728	10.8	19.5
12 23	7 27.50	+24 29.0	1.785	2.732	6.9	19.3
1 2	7 18.76	+24 57.9	1.759	2.736	2.7	19.0
1 12	7 9.31	+25 23.4	1.761	2.741	2.2	19.0
1 22	7 0.33	+25 42.9	1.793	2.746	6.3	19.2
2 1	6 52.93	+25 55.3	1.851	2.751	10.2	19.5
2 11	6 47.91	+26 1.2	1.933	2.757	13.5	19.7
114106 2002 VW_{43}			1 7.9	279.°41	0.°7/ 7.8	18
12 3	7 38.50	+23 12.9	2.274	3.075	12.5	20.1
12 13	7 33.83	+23 32.4	2.182	3.068	9.5	19.9
12 23	7 26.99	+23 55.1	2.115	3.060	6.1	19.6
1 2	7 18.56	+24 18.3	2.075	3.053	2.4	19.4
1 12	7 9.44	+24 39.2	2.065	3.045	1.8	19.3
1 22	7 0.61	+24 55.7	2.085	3.038	5.6	19.6
2 1	6 53.05	+25 6.8	2.133	3.031	9.2	19.8
2 11	6 47.54	+25 12.6	2.206	3.023	12.3	20.0
135401 2001 TQ_{213}			1 7.9	13.°55	6.°4/ 6.5	18 R
12 3	7 44.85	+41 2.1	2.163	2.951	13.5	19.6
12 13	7 39.04	+41 37.4	2.089	2.952	10.9	19.4
12 23	7 30.44	+42 2.8	2.039	2.954	8.4	19.3
1 2	7 19.87	+42 12.4	2.014	2.956	6.7	19.2
1 12	7 8.61	+42 2.0	2.018	2.958	6.8	19.2
1 22	6 58.05	+41 31.0	2.049	2.961	8.6	19.3
2 1	6 49.40	+40 42.3	2.107	2.963	11.2	19.5
2 11	6 43.52	+39 41.0	2.187	2.966	13.7	19.6
275197 2009 WT_{133}			1 7.9	135.°03	3.°2/ 7.4	18
12 3	7 48.51	+28 32.7	1.506	2.318	17.2	20.8
12 13	7 42.44	+29 1.7	1.436	2.326	13.3	20.6
12 23	7 32.92	+29 30.0	1.389	2.334	8.7	20.3
1 2	7 20.89	+29 51.4	1.367	2.341	4.3	20.1
1 12	7 7.92	+30 0.4	1.373	2.348	4.0	20.1
1 22	6 55.79	+29 55.2	1.406	2.354	8.3	20.4
2 1	6 46.06	+29 37.2	1.465	2.360	12.7	20.6
2 11	6 39.73	+29 10.3	1.547	2.366	16.5	20.9
516562 2007 BF_{61}			1 7.9	146.°54	3.°3/ 9.5	18
12 3	7 47.75	+ 7 4.4	1.193	1.986	22.0	21.1
12 13	7 42.59	+ 8 40.7	1.117	1.991	17.5	20.9
12 23	7 33.54	+10 52.4	1.060	1.995	12.1	20.6
1 2	7 21.32	+13 34.7	1.028	1.999	6.1	20.2
1 12	7 7.52	+16 35.3	1.024	2.003	3.7	20.1
1 22	6 54.14	+19 37.0	1.049	2.007	9.0	20.4
2 1	6 43.16	+22 24.9	1.102	2.009	14.8	20.8
2 11	6 36.01	+24 50.6	1.177	2.012	19.7	21.1
230808 2004 GH_{21}			1 7.9	4.°79	1.°0/ 8.3	18
12 3	7 40.24	+17 15.4	1.221	2.049	19.5	19.7
12 13	7 36.66	+17 48.1	1.151	2.049	15.1	19.4
12 23	7 29.55	+18 35.8	1.100	2.049	9.8	19.1
1 2	7 19.71	+19 34.7	1.072	2.050	4.0	18.8
1 12	7 8.67	+20 38.4	1.070	2.051	2.5	18.7
1 22	6 58.23	+21 40.3	1.093	2.053	8.4	19.0
2 1	6 50.09	+22 35.5	1.140	2.055	13.8	19.3
2 11	6 45.42	+23 21.5	1.209	2.058	18.3	19.6
134417 1998 HR_{60}			1 7.9	261.°67	4.°7/ 6.6	18
12 3	7 46.20	+32 35.9	1.875	2.678	14.7	20.1
12 13	7 40.66	+33 24.8	1.776	2.657	11.6	19.9
12 23	7 31.92	+34 12.2	1.700	2.636	8.1	19.6
1 2	7 20.62	+34 51.1	1.650	2.615	5.2	19.4
1 12	7 8.02	+35 15.0	1.628	2.593	5.4	19.4
1 22	6 55.67	+35 20.4	1.635	2.570	8.6	19.5
2 1	6 45.15	+35 7.7	1.669	2.547	12.4	19.7
2 11	6 37.64	+34 40.7	1.725	2.523	16.0	19.9

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
372443 2009 SV_{73}			1 7.9	27.°49	1.°7/ 8.5	18
	h m	° ′			°	m
12 3	7 38.70	+16 22.6	1.845	2.646	14.9	21.4
12 13	7 34.27	+16 33.3	1.766	2.649	11.5	21.2
12 23	7 27.39	+16 53.4	1.709	2.651	7.6	20.9
1 2	7 18.74	+17 21.3	1.679	2.654	3.5	20.7
1 12	7 9.36	+17 54.2	1.677	2.657	2.3	20.6
1 22	7 0.40	+18 29.0	1.704	2.660	6.3	20.9
2 1	6 52.97	+19 3.2	1.758	2.663	10.3	21.1
2 11	6 47.90	+19 34.9	1.836	2.667	13.8	21.3
26854 1992 WB			1 7.9	86.°98	5.°5/ 6.5	18
12 3	7 45.45	+35 11.0	1.861	2.664	14.8	17.3
12 13	7 39.73	+36 6.3	1.795	2.674	11.6	17.1
12 23	7 31.00	+36 56.3	1.753	2.685	8.3	16.9
1 2	7 20.13	+37 33.8	1.738	2.696	5.8	16.8
1 12	7 8.46	+37 53.2	1.750	2.706	6.0	16.8
1 22	6 57.51	+37 52.9	1.790	2.717	8.6	17.0
2 1	6 48.60	+37 34.5	1.856	2.728	11.7	17.2
2 11	6 42.65	+37 2.7	1.945	2.738	14.6	17.5
220579 2004 JX_5			1 7.9	184.°92	9.°6/12.8	18
12 3	7 38.70	−11 29.9	2.629	3.281	14.5	21.5
12 13	7 33.53	−12 5.7	2.544	3.282	12.9	21.4
12 23	7 26.59	−12 20.8	2.477	3.281	11.4	21.3
1 2	7 18.38	−12 11.9	2.434	3.280	10.2	21.2
1 12	7 9.63	−11 37.4	2.415	3.278	9.6	21.1
1 22	7 1.13	−10 38.8	2.424	3.276	10.0	21.1
2 1	6 53.65	− 9 19.5	2.458	3.273	11.2	21.2
2 11	6 47.82	− 7 45.5	2.516	3.269	12.8	21.3
349979 2010 EO_{108}			1 7.9	336.°61	1.°2/ 8.2	18
12 3	7 38.42	+19 13.8	1.192	2.028	19.4	20.5
12 13	7 35.46	+19 13.4	1.114	2.017	15.1	20.2
12 23	7 28.90	+19 22.9	1.055	2.006	9.9	19.9
1 2	7 19.52	+19 40.3	1.019	1.997	4.1	19.5
1 12	7 8.81	+20 2.1	1.007	1.988	2.7	19.4
1 22	6 58.63	+20 24.4	1.020	1.981	8.6	19.7
2 1	6 50.74	+20 44.7	1.056	1.974	14.2	20.0
2 11	6 46.38	+21 1.6	1.112	1.969	19.1	20.3
473840 2016 EM_{126}			1 7.9	193.°65	0.°3/ 7.9	16
12 3	7 40.09	+22 32.8	2.108	2.909	13.3	21.9
12 13	7 35.12	+22 44.6	2.024	2.909	10.2	21.7
12 23	7 27.84	+22 59.8	1.963	2.909	6.5	21.5
1 2	7 18.90	+23 15.9	1.931	2.908	2.5	21.2
1 12	7 9.29	+23 30.1	1.927	2.908	1.8	21.2
1 22	7 0.08	+23 40.6	1.954	2.907	5.8	21.4
2 1	6 52.29	+23 46.6	2.008	2.907	9.6	21.7
2 11	6 46.71	+23 48.4	2.087	2.906	12.8	21.9
221193 2005 UQ_{49}			1 7.9	110.°32	1.°6/ 7.5	18
12 3	7 41.95	+25 18.9	1.981	2.786	13.9	20.7
12 13	7 36.66	+25 45.6	1.906	2.793	10.6	20.5
12 23	7 28.87	+26 14.3	1.855	2.800	6.8	20.3
1 2	7 19.30	+26 41.0	1.831	2.807	2.9	20.1
1 12	7 9.04	+27 2.2	1.836	2.814	2.5	20.0
1 22	6 59.30	+27 15.4	1.870	2.821	6.3	20.3
2 1	6 51.18	+27 20.5	1.932	2.828	10.1	20.5
2 11	6 45.49	+27 18.4	2.019	2.834	13.3	20.8
378945 2008 UO_{157}			1 7.9	328.°71	4.°4/ 8.9	18
12 3	7 36.81	+11 59.1	1.879	2.673	15.0	20.6
12 13	7 32.84	+11 21.0	1.788	2.661	12.0	20.4
12 23	7 26.51	+10 52.4	1.718	2.649	8.6	20.2
1 2	7 18.44	+10 34.9	1.674	2.638	5.4	20.0
1 12	7 9.59	+10 28.9	1.658	2.627	4.6	19.9
1 22	7 1.04	+10 33.7	1.669	2.617	7.3	20.0
2 1	6 53.88	+10 47.5	1.707	2.607	10.9	20.2
2 11	6 48.95	+11 8.0	1.768	2.598	14.3	20.4
183088 2002 RO_{79}			1 8.0	97.°16	0.°9/ 7.8	18
12 3	7 44.19	+23 44.5	1.795	2.600	15.1	21.1
12 13	7 38.43	+23 59.8	1.729	2.616	11.5	20.9
12 23	7 30.00	+24 17.8	1.686	2.631	7.3	20.7
1 2	7 19.71	+24 35.0	1.669	2.647	2.9	20.4
1 12	7 8.81	+24 48.0	1.682	2.662	2.1	20.4
1 22	6 58.59	+24 55.0	1.723	2.677	6.5	20.7
2 1	6 50.21	+24 55.8	1.793	2.691	10.5	21.0
2 11	6 44.49	+24 51.4	1.885	2.705	14.0	21.2
99961 1979 MT_2			1 8.0	266.°04	0.°1/ 8.0	18
12 3	7 39.99	+22 22.4	2.444	3.238	11.9	19.9
12 13	7 34.81	+22 13.0	2.341	3.222	9.2	19.7
12 23	7 27.57	+22 5.2	2.263	3.206	5.9	19.5
1 2	7 18.81	+21 57.6	2.212	3.190	2.3	19.2
1 12	7 9.36	+21 48.9	2.193	3.174	1.5	19.1
1 22	7 0.18	+21 38.3	2.204	3.157	5.3	19.3
2 1	6 52.19	+21 25.7	2.243	3.140	8.8	19.5
2 11	6 46.12	+21 11.6	2.309	3.123	11.9	19.7