433569 2013 YP_{19} 2 15.9 49°.17 5°.2/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 18.49	+25 39.9	2.121	2.955	11.9	20.5
1 22	10 13.96	+26 55.1	2.056	2.958	9.1	20.3
2 1	10 7.29	+28 10.1	2.015	2.961	6.5	20.2
2 11	9 59.16	+29 17.3	2.003	2.964	5.2	20.1
2 21	9 50.49	+30 9.8	2.019	2.967	6.5	20.2
3 2	9 42.33	+30 42.9	2.062	2.970	9.2	20.3
3 12	9 35.62	+30 55.2	2.130	2.973	12.0	20.5
3 22	9 31.01	+30 47.8	2.219	2.976	14.5	20.7

9741 Solokhin 2 15.9 31°.29 6°.3/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.07	+22 42.5	1.109	1.970	18.5	16.3
1 22	10 17.97	+23 47.9	1.062	1.980	14.0	16.1
2 1	10 10.29	+24 56.0	1.034	1.992	9.3	15.9
2 11	10 0.23	+25 54.2	1.030	2.004	6.3	15.8
2 21	9 49.49	+26 31.7	1.050	2.017	8.1	15.9
3 2	9 39.96	+26 42.0	1.093	2.031	12.3	16.2
3 12	9 33.14	+26 25.1	1.158	2.046	16.6	16.5
3 22	9 29.79	+25 44.9	1.240	2.062	20.3	16.7

399488 2002 TA_{46} 2 15.9 78°.87 4°.3/12.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.67	+22 32.4	1.808	2.630	14.2	21.5
1 22	10 21.35	+23 29.0	1.771	2.670	10.6	21.3
2 1	10 11.64	+24 25.2	1.759	2.709	6.9	21.2
2 11	10 0.54	+25 12.8	1.775	2.747	4.4	21.1
2 21	9 49.26	+25 45.6	1.821	2.785	5.6	21.3
3 2	9 39.03	+26 0.2	1.895	2.822	8.7	21.5
3 12	9 30.84	+25 56.6	1.995	2.857	11.9	21.8
3 22	9 25.21	+25 36.9	2.118	2.893	14.5	22.1

406526 2007 VG_{255} 2 15.9 240°.16 1°.5/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.98	+14 1.1	1.816	2.636	14.3	22.1
1 22	10 16.95	+14 39.3	1.725	2.624	10.8	21.9
2 1	10 9.38	+15 28.0	1.657	2.612	6.7	21.6
2 11	9 59.95	+16 21.5	1.616	2.599	2.4	21.3
2 21	9 49.67	+17 13.0	1.604	2.586	3.3	21.3
3 2	9 39.77	+17 56.0	1.621	2.572	7.8	21.6
3 12	9 31.45	+18 25.8	1.664	2.558	12.0	21.8
3 22	9 25.53	+18 40.6	1.729	2.543	15.7	22.0

71049 1999 XG_{88} 2 15.9 126°.70 0°.5/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.32	+ 8 58.5	2.200	3.002	12.7	19.3
1 22	10 13.58	+ 9 21.3	2.121	3.008	9.7	19.1
2 1	10 6.94	+ 9 55.3	2.066	3.015	6.1	18.8
2 11	9 59.04	+10 36.8	2.039	3.021	2.3	18.6
2 21	9 50.66	+11 21.3	2.041	3.027	1.9	18.6
3 2	9 42.70	+12 4.0	2.073	3.032	5.7	18.8
3 12	9 36.00	+12 40.5	2.133	3.038	9.3	19.1
3 22	9 31.15	+13 8.2	2.218	3.043	12.3	19.3

270525 2002 GJ_{67} 2 15.9 235°.75 3°.6/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.43	+21 36.8	2.250	3.075	11.7	20.9
1 22	10 15.34	+22 27.9	2.165	3.066	8.8	20.7
2 1	10 8.15	+23 21.9	2.105	3.056	5.8	20.5
2 11	9 59.48	+24 12.5	2.073	3.046	3.7	20.3
2 21	9 50.19	+24 53.9	2.071	3.036	4.9	20.4
3 2	9 41.28	+25 21.3	2.097	3.026	7.9	20.6
3 12	9 33.70	+25 32.4	2.150	3.015	11.0	20.7
3 22	9 28.13	+25 27.4	2.226	3.004	13.8	20.9

466713 2014 WB_{470} 2 15.9 48°.77 0°.9/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.89	+13 33.1	1.665	2.490	15.1	21.5
1 22	10 16.00	+13 51.6	1.598	2.500	11.3	21.3
2 1	10 8.64	+14 19.6	1.554	2.510	7.0	21.1
2 11	9 59.63	+14 51.7	1.537	2.520	2.3	20.8
2 21	9 50.09	+15 22.1	1.547	2.531	2.9	20.9
3 2	9 41.23	+15 45.5	1.585	2.542	7.4	21.2
3 12	9 34.14	+15 58.4	1.649	2.553	11.6	21.4
3 22	9 29.49	+15 59.3	1.735	2.564	15.1	21.7

65576 3277 $T\text{-}_{2}$ 2 15.9 181°.72 3°.2/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.77	+18 44.2	1.844	2.667	14.0	19.9
1 22	10 18.90	+19 34.5	1.767	2.668	10.5	19.6
2 1	10 10.48	+20 30.6	1.715	2.669	6.6	19.4
2 11	10 0.29	+21 25.0	1.690	2.669	3.4	19.2
2 21	9 49.40	+22 10.7	1.695	2.668	4.7	19.3
3 2	9 39.09	+22 41.8	1.728	2.667	8.5	19.5
3 12	9 30.50	+22 55.6	1.787	2.664	12.3	19.7
3 22	9 24.40	+22 52.4	1.869	2.662	15.5	19.9

188050 2001 VB_{53} 2 15.9 79°.04 7°.7/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.89	− 9 10.4	1.852	2.581	17.4	19.8
1 22	10 14.34	− 9 47.5	1.777	2.593	14.7	19.6
2 1	10 7.57	− 9 59.7	1.721	2.605	11.8	19.5
2 11	9 59.29	− 9 45.5	1.689	2.617	9.1	19.3
2 21	9 50.42	− 9 6.2	1.682	2.629	7.7	19.3
3 2	9 42.05	− 8 6.7	1.701	2.641	8.5	19.3
3 12	9 35.17	− 6 54.5	1.747	2.653	10.9	19.5
3 22	9 30.46	− 5 37.9	1.816	2.665	13.6	19.7

272804 2006 AP_{30} 2 15.9 6°.85 0°.3/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 21.03	+11 44.0	1.621	2.443	15.6	19.8
1 22	10 16.25	+11 34.9	1.545	2.444	11.8	19.6
2 1	10 8.89	+11 35.9	1.491	2.445	7.5	19.3
2 11	9 59.76	+11 43.3	1.463	2.446	2.6	19.1
2 21	9 49.96	+11 52.9	1.463	2.449	2.4	19.0
3 2	9 40.79	+12 0.1	1.490	2.451	7.3	19.3
3 12	9 33.39	+12 1.5	1.543	2.455	11.7	19.6
3 22	9 28.52	+11 54.8	1.618	2.458	15.4	19.8

1990 Pilcher 2 15.9 304°.81 2°.0/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.60	+ 5 48.4	1.310	2.131	18.6	16.3
1 22	10 15.83	+ 6 3.8	1.230	2.126	14.5	16.0
2 1	10 9.00	+ 6 41.3	1.171	2.120	9.6	15.7
2 11	9 59.90	+ 7 37.2	1.135	2.115	4.2	15.4
2 21	9 49.78	+ 8 44.5	1.124	2.110	3.0	15.3
3 2	9 40.22	+ 9 53.7	1.140	2.105	8.3	15.6
3 12	9 32.69	+10 55.9	1.179	2.100	13.6	15.9
3 22	9 28.15	+11 44.6	1.239	2.096	18.2	16.2

224346 2005 UF_{103} 2 15.9 203°.73 2°.7/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.69	+ 1 38.4	2.401	3.169	12.8	21.6
1 22	10 13.81	+ 1 50.7	2.303	3.164	10.2	21.4
2 1	10 7.12	+ 2 18.3	2.229	3.158	7.1	21.2
2 11	9 59.13	+ 2 59.3	2.182	3.152	4.0	21.0
2 21	9 50.59	+ 3 50.6	2.166	3.146	2.9	20.9
3 2	9 42.31	+ 4 47.3	2.179	3.138	5.5	21.0
3 12	9 35.13	+ 5 44.4	2.221	3.130	8.7	21.2
3 22	9 29.66	+ 6 37.1	2.289	3.122	11.7	21.4

244045 2001 SH_{348} 2 15.9 80°.69 4°.2/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 16.68	− 1 57.4	2.307	3.064	13.6	20.5
1 22	10 12.28	− 2 8.5	2.224	3.071	11.0	20.4
2 1	10 6.13	− 2 2.8	2.162	3.077	8.1	20.2
2 11	9 58.78	− 1 41.1	2.127	3.084	5.4	20.0
2 21	9 50.97	− 1 5.6	2.121	3.091	4.2	20.0
3 2	9 43.52	− 0 20.6	2.143	3.098	5.9	20.1
3 12	9 37.22	+ 0 28.9	2.193	3.105	8.7	20.3
3 22	9 32.63	+ 1 17.9	2.268	3.112	11.4	20.4

312073 2007 TL_{29} 2 15.9 213°.19 1°.3/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.45	+13 24.1	1.639	2.464	15.3	21.5
1 22	10 16.65	+13 59.0	1.560	2.462	11.5	21.2
2 1	10 9.21	+14 45.4	1.504	2.460	7.1	21.0
2 11	9 59.90	+15 37.1	1.475	2.458	2.4	20.7
2 21	9 49.83	+16 26.9	1.473	2.456	3.2	20.7
3 2	9 40.31	+17 8.1	1.500	2.454	8.0	21.0
3 12	9 32.56	+17 36.0	1.552	2.452	12.4	21.2
3 22	9 27.38	+17 48.8	1.625	2.449	16.1	21.5

374981 2007 EG_{30} 2 16.0 356°.88 2°.7/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.37	+ 0 46.4	1.557	2.358	17.1	20.5
1 22	10 10.65	+ 1 38.1	1.474	2.356	13.5	20.3
2 1	10 5.52	+ 2 56.9	1.413	2.354	9.2	20.0
2 11	9 58.66	+ 4 38.8	1.377	2.352	4.7	19.8
2 21	9 51.06	+ 6 35.8	1.367	2.352	3.0	19.6
3 2	9 43.91	+ 8 36.9	1.386	2.352	7.1	19.9
3 12	9 38.33	+10 31.0	1.431	2.353	11.6	20.1
3 22	9 35.10	+12 9.8	1.498	2.354	15.6	20.4

402963 2007 TR_{447} 2 16.0 109°.90 4°.4/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.94	+20 13.7	1.589	2.427	15.1	20.7
1 22	10 17.10	+21 21.6	1.523	2.431	11.3	20.4
2 1	10 9.50	+22 35.3	1.480	2.435	7.3	20.2
2 11	9 59.99	+23 45.3	1.463	2.439	4.5	20.1
2 21	9 49.77	+24 42.7	1.475	2.443	6.0	20.2
3 2	9 40.25	+25 20.7	1.512	2.447	9.8	20.4
3 12	9 32.67	+25 36.6	1.575	2.451	13.7	20.6
3 22	9 27.80	+25 31.5	1.657	2.454	17.0	20.9

452621 2005 SZ_{47} 2 16.0 208°.30 0°.9/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.44	+ 7 52.7	1.807	2.607	15.1	22.4
1 22	10 17.99	+ 8 14.7	1.716	2.601	11.7	22.2
2 1	10 10.01	+ 8 51.8	1.647	2.595	7.5	21.9
2 11	10 0.19	+ 9 40.1	1.606	2.587	2.9	21.6
2 21	9 49.53	+10 34.1	1.594	2.579	2.3	21.5
3 2	9 39.27	+11 27.1	1.610	2.570	7.0	21.8
3 12	9 30.59	+12 13.2	1.654	2.560	11.4	22.0
3 22	9 24.31	+12 48.5	1.721	2.549	15.2	22.3

393906 2005 UZ_{1} 2 16.0 102°.03 4°.2/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.58	+ 0 6.0	1.526	2.310	18.2	21.2
1 22	10 17.40	+ 0 7.6	1.460	2.327	14.5	21.0
2 1	10 9.59	+ 0 32.5	1.414	2.344	10.2	20.8
2 11	9 59.99	+ 1 18.8	1.393	2.361	6.0	20.6
2 21	9 49.80	+ 2 20.9	1.399	2.378	4.3	20.5
3 2	9 40.33	+ 3 31.3	1.432	2.394	7.4	20.7
3 12	9 32.77	+ 4 41.2	1.492	2.409	11.6	21.0
3 22	9 27.82	+ 5 43.9	1.574	2.424	15.3	21.3

423857 2006 QN_{145} 2 16.0 184.°48 1.°7/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 20.20	+17 28.3	2.507	3.320	11.0	21.3
1 22	10 14.82	+17 47.7	2.424	3.320	8.2	21.1
2 1	10 7.66	+18 10.9	2.367	3.320	5.1	20.9
2 11	9 59.29	+18 33.7	2.338	3.320	2.1	20.7
2 21	9 50.49	+18 52.2	2.341	3.319	2.9	20.8
3 2	9 42.09	+19 3.1	2.373	3.318	6.1	21.0
3 12	9 34.88	+19 4.6	2.433	3.318	9.1	21.1
3 22	9 29.41	+18 56.0	2.518	3.316	11.8	21.3

104587 2000 GX_{85} 2 16.0 306.°82 4.°7/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.80	+ 1 5.6	1.324	2.131	19.3	19.4
1 22	10 14.57	+ 0 52.5	1.234	2.116	15.6	19.1
2 1	10 8.32	+ 1 4.2	1.163	2.101	11.1	18.8
2 11	9 59.72	+ 1 40.8	1.115	2.086	6.6	18.5
2 21	9 49.95	+ 2 38.4	1.091	2.071	4.9	18.4
3 2	9 40.53	+ 3 49.2	1.092	2.057	8.6	18.5
3 12	9 33.01	+ 5 3.0	1.117	2.044	13.6	18.8
3 22	9 28.43	+ 6 10.8	1.162	2.030	18.3	19.0

370763 2004 RZ_{271} 2 16.0 300.°09 0.°7/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.00	+12 34.5	1.804	2.625	14.3	21.1
1 22	10 14.65	+13 0.1	1.717	2.617	10.8	20.8
2 1	10 7.91	+13 36.5	1.653	2.608	6.7	20.6
2 11	9 59.46	+14 18.9	1.616	2.600	2.2	20.3
2 21	9 50.29	+15 1.5	1.607	2.591	2.7	20.3
3 2	9 41.53	+15 38.3	1.627	2.583	7.3	20.5
3 12	9 34.30	+16 4.7	1.672	2.575	11.5	20.8
3 22	9 29.36	+16 18.4	1.740	2.567	15.1	21.0

83854 2001 UL_{51} 2 16.0 183.°26 5.°2/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.35	− 5 43.6	2.177	2.916	14.8	19.6
1 22	10 12.97	− 5 38.3	2.084	2.916	12.2	19.5
2 1	10 6.66	− 5 11.3	2.013	2.916	9.3	19.3
2 11	9 59.00	− 4 23.1	1.968	2.916	6.5	19.1
2 21	9 50.76	− 3 16.6	1.950	2.915	5.2	19.0
3 2	9 42.85	− 1 57.1	1.961	2.914	6.5	19.1
3 12	9 36.13	− 0 31.7	2.001	2.913	9.4	19.2
3 22	9 31.25	+ 0 52.7	2.065	2.911	12.3	19.4

498361 2007 VW_{318} 2 16.0 158.°11 3.°3/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.04	− 0 4.5	2.600	3.358	12.2	21.4
1 22	10 12.38	− 0 8.1	2.511	3.362	9.8	21.3
2 1	10 6.12	+ 0 2.4	2.445	3.366	7.0	21.1
2 11	9 58.78	+ 0 26.0	2.407	3.369	4.4	20.9
2 21	9 51.00	+ 1 0.1	2.397	3.372	3.3	20.9
3 2	9 43.53	+ 1 41.3	2.418	3.375	5.2	21.0
3 12	9 37.08	+ 2 25.2	2.468	3.378	7.9	21.2
3 22	9 32.16	+ 3 7.7	2.543	3.380	10.6	21.3

346190 2007 XN_{11} 2 16.0 250.°00 7.°4/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.09	+35 2.3	2.379	3.200	11.3	20.6
1 22	10 15.94	+36 21.9	2.314	3.195	9.2	20.5
2 1	10 8.56	+37 34.8	2.275	3.191	7.7	20.4
2 11	9 59.65	+38 33.0	2.263	3.186	7.5	20.3
2 21	9 50.15	+39 10.4	2.278	3.180	8.6	20.4
3 2	9 41.15	+39 23.8	2.319	3.175	10.5	20.5
3 12	9 33.65	+39 13.3	2.383	3.170	12.7	20.6
3 22	9 28.32	+38 41.7	2.468	3.165	14.6	20.8

175412 2006 PA_{9} 2 16.0 178.°42 0.°7/16.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.17	+ 8 12.9	2.198	2.992	13.0	21.5
1 22	10 15.78	+ 8 39.1	2.111	2.994	9.9	21.2
2 1	10 8.38	+ 9 17.4	2.049	2.995	6.3	21.0
2 11	9 59.59	+10 4.3	2.015	2.996	2.4	20.8
2 21	9 50.23	+10 54.9	2.011	2.996	1.9	20.7
3 2	9 41.27	+11 44.0	2.038	2.996	5.9	21.0
3 12	9 33.59	+12 27.0	2.092	2.994	9.5	21.2
3 22	9 27.85	+13 0.8	2.172	2.992	12.7	21.4

274043 2007 RU_{279} 2 16.0 178.°38 4.°5/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.41	+27 19.7	2.742	3.560	10.0	20.9
1 22	10 15.70	+28 13.0	2.669	3.562	7.7	20.7
2 1	10 8.19	+29 4.3	2.623	3.563	5.5	20.6
2 11	9 59.49	+29 47.9	2.606	3.564	4.5	20.5
2 21	9 50.36	+30 19.1	2.620	3.564	5.5	20.6
3 2	9 41.64	+30 34.8	2.662	3.564	7.7	20.7
3 12	9 34.12	+30 34.2	2.731	3.563	10.0	20.9
3 22	9 28.37	+30 18.4	2.822	3.561	12.1	21.0

419985 2011 CG_{23} 2 16.0 16.°59 1.°8/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.99	+15 11.3	1.473	2.312	16.0	21.0
1 22	10 14.93	+15 38.3	1.407	2.316	12.0	20.8
2 1	10 8.17	+16 14.7	1.363	2.321	7.3	20.5
2 11	9 59.56	+16 54.1	1.344	2.327	2.7	20.3
2 21	9 50.30	+17 29.4	1.352	2.334	3.7	20.3
3 2	9 41.77	+17 54.4	1.386	2.341	8.4	20.6
3 12	9 35.15	+18 5.3	1.444	2.349	12.8	20.9
3 22	9 31.20	+18 1.2	1.524	2.358	16.5	21.2

494758 2006 BO_{108} 2 16.0 346.°08 0.°3/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.25	+12 43.5	1.257	2.095	18.2	21.3
1 22	10 17.93	+12 40.8	1.183	2.090	13.9	21.1
2 1	10 10.34	+12 50.4	1.129	2.086	8.7	20.8
2 11	10 0.38	+13 7.1	1.099	2.082	2.9	20.4
2 21	9 49.45	+13 24.8	1.094	2.080	3.1	20.4
3 2	9 39.25	+13 37.1	1.115	2.077	8.9	20.7
3 12	9 31.32	+13 39.5	1.159	2.076	14.2	21.0
3 22	9 26.60	+13 30.1	1.223	2.075	18.7	21.3

310179 2011 ST_{39} 2 16.0 88.°18 0.°1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.19	+10 17.2	1.558	2.375	16.4	21.2
1 22	10 17.79	+10 45.9	1.498	2.394	12.3	21.0
2 1	10 9.78	+11 28.4	1.460	2.413	7.6	20.8
2 11	10 0.07	+12 18.8	1.449	2.432	2.6	20.5
2 21	9 49.85	+13 10.1	1.466	2.451	2.6	20.6
3 2	9 40.43	+13 55.6	1.510	2.469	7.4	20.9
3 12	9 32.94	+14 30.3	1.581	2.487	11.8	21.2
3 22	9 28.07	+14 51.7	1.673	2.505	15.4	21.5

203540 2002 CY_{47} 2 16.0 74.°11 0.°5/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.78	+10 38.6	1.410	2.235	17.3	20.4
1 22	10 17.66	+11 21.8	1.357	2.258	13.0	20.2
2 1	10 9.76	+12 20.0	1.325	2.280	8.0	20.0
2 11	10 0.07	+13 25.8	1.320	2.303	2.6	19.7
2 21	9 49.87	+14 30.8	1.341	2.326	2.9	19.8
3 2	9 40.60	+15 26.8	1.390	2.348	8.0	20.1
3 12	9 33.43	+16 8.4	1.464	2.370	12.5	20.4
3 22	9 29.04	+16 33.6	1.559	2.392	16.3	20.7

378908 2008 UP_{60} 2 16.0 176.°66 1.°7/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.83	+16 4.0	2.148	2.967	12.4	21.3
1 22	10 14.84	+16 32.3	2.068	2.968	9.2	21.1
2 1	10 7.82	+17 6.6	2.013	2.968	5.7	20.8
2 11	9 59.40	+17 42.2	1.986	2.968	2.2	20.6
2 21	9 50.47	+18 14.0	1.988	2.968	3.1	20.7
3 2	9 41.98	+18 37.5	2.019	2.968	6.7	20.9
3 12	9 34.85	+18 50.1	2.078	2.968	10.2	21.1
3 22	9 29.71	+18 50.7	2.160	2.968	13.2	21.3

285338 1999 JK_{5} 2 16.0 321.°26 18.°8/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.43	+50 48.5	1.238	2.057	19.7	19.7
1 22	10 23.54	+53 42.1	1.192	2.033	18.9	19.6
2 1	10 15.19	+56 10.7	1.164	2.010	19.0	19.5
2 11	10 2.34	+57 54.1	1.155	1.988	20.1	19.5
2 21	9 47.41	+58 38.3	1.162	1.966	21.9	19.6
3 2	9 33.76	+58 19.3	1.184	1.946	24.1	19.6
3 12	9 24.34	+57 3.5	1.218	1.927	26.3	19.7
3 22	9 20.42	+55 2.8	1.261	1.909	28.3	19.9

463262 2012 GE_{7} 2 16.0 269.°34 1.°5/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.00	+13 33.4	1.978	2.797	13.3	21.8
1 22	10 14.62	+14 23.0	1.877	2.777	10.0	21.5
2 1	10 7.94	+15 24.2	1.801	2.756	6.2	21.3
2 11	9 59.53	+16 31.3	1.752	2.735	2.2	21.0
2 21	9 50.27	+17 37.6	1.733	2.714	3.2	21.0
3 2	9 41.26	+18 36.2	1.743	2.693	7.5	21.2
3 12	9 33.58	+19 21.8	1.779	2.671	11.5	21.4
3 22	9 28.04	+19 51.8	1.837	2.649	15.1	21.6

417010 2005 UE_{41} 2 16.0 147.°77 3.°4/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.60	+20 5.5	1.941	2.769	13.2	21.2
1 22	10 16.40	+20 51.9	1.868	2.772	9.8	21.0
2 1	10 8.87	+21 42.2	1.820	2.774	6.3	20.8
2 11	9 59.78	+22 29.6	1.800	2.777	3.5	20.6
2 21	9 50.11	+23 7.7	1.808	2.779	4.8	20.7
3 2	9 41.00	+23 31.5	1.845	2.781	8.2	20.9
3 12	9 33.48	+23 38.9	1.907	2.783	11.7	21.1
3 22	9 28.24	+23 30.2	1.992	2.785	14.7	21.3

500316 2012 RS_{23} 2 16.0 99.°59 0.°1/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 16.34	+ 9 29.3	2.491	3.291	11.4	22.1
1 22	10 11.89	+10 5.4	2.416	3.304	8.6	21.9
2 1	10 5.83	+10 51.3	2.368	3.317	5.4	21.7
2 11	9 58.70	+11 43.3	2.348	3.330	1.9	21.5
2 21	9 51.20	+12 36.8	2.358	3.343	1.7	21.5
3 2	9 44.09	+13 27.3	2.398	3.355	5.2	21.8
3 12	9 38.08	+14 10.9	2.467	3.367	8.3	22.0
3 22	9 33.65	+14 45.1	2.560	3.379	11.1	22.2

368573 2004 NO_{24} 2 16.0 178.°50 1.°3/17.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.72	+ 7 26.2	2.602	3.383	11.6	21.8
1 22	10 15.88	+ 7 26.6	2.511	3.385	8.9	21.6
2 1	10 8.31	+ 7 36.4	2.445	3.386	5.8	21.5
2 11	9 59.56	+ 7 53.4	2.408	3.387	2.6	21.2
2 21	9 50.34	+ 8 14.8	2.403	3.387	1.9	21.2
3 2	9 41.46	+ 8 37.3	2.428	3.387	5.1	21.4
3 12	9 33.69	+ 8 57.7	2.483	3.385	8.2	21.6
3 22	9 27.58	+ 9 13.4	2.564	3.383	11.0	21.8

165553 2001 DZ_{43} 2 16.0 39°.29 0°.2/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 20.97	+10 35.8	1.313	2.145	18.0	19.6
1 22	10 16.59	+10 47.9	1.253	2.157	13.6	19.3
2 1	10 9.26	+11 14.9	1.214	2.169	8.5	19.1
2 11	9 59.95	+11 51.4	1.199	2.182	2.9	18.8
2 21	9 50.01	+12 30.3	1.210	2.195	2.8	18.8
3 2	9 40.93	+13 4.5	1.247	2.209	8.2	19.2
3 12	9 34.01	+13 28.6	1.308	2.224	13.0	19.5
3 22	9 30.00	+13 39.9	1.390	2.239	17.0	19.8

496173 2011 BT_{120} 2 16.0 336°.33 0°.9/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.24	+ 9 15.2	1.805	2.615	14.7	21.6
1 22	10 15.49	+ 9 16.8	1.722	2.613	11.3	21.4
2 1	10 8.40	+ 9 30.4	1.662	2.611	7.2	21.1
2 11	9 59.66	+ 9 52.9	1.628	2.610	2.8	20.8
2 21	9 50.25	+10 19.9	1.622	2.608	2.2	20.8
3 2	9 41.33	+10 46.3	1.645	2.607	6.7	21.1
3 12	9 33.95	+11 7.7	1.695	2.605	10.9	21.3
3 22	9 28.85	+11 21.0	1.767	2.604	14.5	21.5

468902 2014 AH_{6} 2 16.0 134°.85 4°.6/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.33	+25 1.6	2.527	3.355	10.5	21.4
1 22	10 12.84	+26 31.2	2.461	3.361	7.9	21.2
2 1	10 6.53	+28 1.3	2.422	3.366	5.6	21.1
2 11	9 58.98	+29 25.0	2.412	3.372	4.6	21.1
2 21	9 50.94	+30 36.0	2.433	3.377	5.9	21.1
3 2	9 43.28	+31 29.6	2.482	3.382	8.2	21.3
3 12	9 36.79	+32 3.8	2.557	3.387	10.6	21.5
3 22	9 32.05	+32 19.1	2.654	3.392	12.8	21.6

290682 2005 UK_{351} 2 16.0 39°.93 6°.6/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.01	+28 30.4	1.636	2.472	14.8	20.1
1 22	10 20.09	+29 15.3	1.578	2.478	11.5	19.9
2 1	10 11.30	+29 55.3	1.543	2.486	8.3	19.7
2 11	10 0.62	+30 21.5	1.533	2.493	6.7	19.6
2 21	9 49.41	+30 27.1	1.550	2.501	7.9	19.7
3 2	9 39.14	+30 8.9	1.594	2.509	10.9	19.9
3 12	9 31.06	+29 28.3	1.662	2.518	14.2	20.1
3 22	9 25.85	+28 29.4	1.749	2.527	17.1	20.3

136992 1998 SL_{45} 2 16.0 331°.35 3°.2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.82	+18 35.2	1.558	2.395	15.4	19.2
1 22	10 17.12	+19 12.0	1.483	2.391	11.6	19.0
2 1	10 9.61	+19 55.2	1.430	2.387	7.3	18.7
2 11	10 0.11	+20 37.3	1.404	2.384	3.6	18.5
2 21	9 49.83	+21 10.7	1.404	2.381	4.9	18.5
3 2	9 40.19	+21 29.4	1.431	2.378	9.2	18.8
3 12	9 32.47	+21 30.7	1.483	2.375	13.4	19.0
3 22	9 27.50	+21 14.8	1.556	2.373	17.1	19.2

354945 2006 EV_{55} 2 16.0 62°.19 1°.1/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.99	+14 10.9	1.372	2.203	17.4	20.7
1 22	10 19.56	+14 20.4	1.309	2.214	13.1	20.5
2 1	10 11.10	+14 40.0	1.268	2.224	8.1	20.2
2 11	10 0.59	+15 3.5	1.251	2.235	2.7	19.9
2 21	9 49.44	+15 24.4	1.261	2.245	3.3	20.0
3 2	9 39.18	+15 37.1	1.299	2.256	8.5	20.3
3 12	9 31.17	+15 38.3	1.360	2.268	13.2	20.6
3 22	9 26.17	+15 27.0	1.443	2.279	17.2	20.9

62962 2000 VA_{43} 2 16.0 212°.45 4°.5/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.97	+27 16.3	2.705	3.526	10.0	19.5
1 22	10 14.69	+28 3.9	2.628	3.523	7.7	19.4
2 1	10 7.62	+28 49.5	2.577	3.519	5.5	19.2
2 11	9 59.35	+29 27.7	2.556	3.514	4.5	19.2
2 21	9 50.64	+29 53.8	2.563	3.510	5.5	19.2
3 2	9 42.31	+30 4.9	2.600	3.505	7.7	19.3
3 12	9 35.17	+30 0.0	2.663	3.501	10.0	19.5
3 22	9 29.77	+29 40.2	2.749	3.496	12.2	19.6

96442 1998 FY_{90} 2 16.0 85°.67 3°.0/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.03	+16 15.6	1.560	2.391	15.7	18.9
1 22	10 17.71	+17 25.2	1.508	2.413	11.6	18.7
2 1	10 9.76	+18 43.4	1.479	2.436	7.1	18.5
2 11	10 0.10	+20 1.1	1.477	2.458	3.3	18.3
2 21	9 49.95	+21 9.3	1.503	2.479	4.7	18.5
3 2	9 40.65	+22 1.0	1.557	2.501	8.8	18.7
3 12	9 33.34	+22 32.9	1.636	2.521	12.7	19.0
3 22	9 28.68	+22 45.1	1.736	2.542	16.0	19.3

233466 2006 KK_{50} 2 16.0 39°.02 1°.1/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.58	+13 13.7	1.945	2.767	13.4	21.2
1 22	10 13.33	+13 53.8	1.870	2.771	10.0	21.0
2 1	10 6.98	+14 43.7	1.820	2.775	6.1	20.8
2 11	9 59.18	+15 38.0	1.796	2.780	2.1	20.5
2 21	9 50.84	+16 30.6	1.802	2.784	2.8	20.6
3 2	9 42.99	+17 15.8	1.836	2.789	6.9	20.9
3 12	9 36.55	+17 49.4	1.896	2.794	10.6	21.1
3 22	9 32.19	+18 9.4	1.980	2.799	13.8	21.3

377846 2006 BP_{174} 2 16.0 188°.65 2°.7/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 18.86	+17 40.9	2.131	2.955	12.3	21.0
1 22	10 14.22	+18 38.7	2.052	2.955	9.1	20.8
2 1	10 7.51	+19 42.9	1.999	2.954	5.7	20.6
2 11	9 59.37	+20 47.1	1.974	2.953	2.9	20.4
2 21	9 50.66	+21 44.9	1.979	2.953	4.1	20.5
3 2	9 42.36	+22 30.8	2.012	2.951	7.4	20.7
3 12	9 35.41	+23 1.4	2.072	2.950	10.8	20.9
3 22	9 30.46	+23 15.9	2.155	2.948	13.7	21.1

338878 2004 BF_{63} 2 16.0 8°.69 2°.1/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.99	+ 6 46.0	2.011	2.807	14.0	20.2
1 22	10 15.06	+ 6 27.7	1.927	2.808	10.8	19.9
2 1	10 8.02	+ 6 21.1	1.866	2.809	7.2	19.7
2 11	9 59.54	+ 6 24.4	1.833	2.810	3.5	19.5
2 21	9 50.49	+ 6 34.7	1.827	2.811	2.6	19.4
3 2	9 41.89	+ 6 48.6	1.851	2.813	6.1	19.7
3 12	9 34.67	+ 7 2.0	1.902	2.814	9.8	19.9
3 22	9 29.49	+ 7 11.8	1.977	2.816	13.1	20.1

250135 2002 QU_{100} 2 16.0 196°.93 2°.8/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.16	+19 24.4	2.192	3.008	12.3	22.4
1 22	10 18.15	+20 4.8	2.108	3.005	9.2	22.2
2 1	10 9.94	+20 49.2	2.049	3.002	5.8	22.0
2 11	10 0.20	+21 31.5	2.019	2.997	3.1	21.8
2 21	9 49.84	+22 6.2	2.019	2.992	4.1	21.9
3 2	9 39.93	+22 28.6	2.049	2.986	7.5	22.1
3 12	9 31.45	+22 36.6	2.106	2.979	10.9	22.3
3 22	9 25.10	+22 30.2	2.187	2.972	13.8	22.5

110862 2001 UM_{83} 2 16.0 346°.67 9°.5/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.53	+33 40.6	1.593	2.434	14.9	19.1
1 22	10 17.96	+35 16.2	1.535	2.430	12.2	18.9
2 1	10 10.27	+36 44.3	1.500	2.427	10.1	18.8
2 11	10 0.38	+37 52.8	1.490	2.424	9.6	18.7
2 21	9 49.69	+38 32.3	1.504	2.422	11.1	18.8
3 2	9 39.80	+38 38.3	1.543	2.420	13.7	18.9
3 12	9 32.15	+38 11.9	1.602	2.418	16.6	19.1
3 22	9 27.56	+37 18.6	1.679	2.417	19.1	19.3

6036 Weinberg 2 16.0 161°.05 3°.8/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.25	− 3 7.6	2.527	3.270	12.9	18.7
1 22	10 12.63	− 2 50.5	2.437	3.276	10.4	18.6
2 1	10 6.35	− 2 15.7	2.370	3.282	7.7	18.4
2 11	9 58.95	− 1 24.7	2.330	3.287	5.0	18.2
2 21	9 51.09	− 0 20.6	2.319	3.291	3.8	18.2
3 2	9 43.55	+ 0 51.7	2.339	3.295	5.4	18.3
3 12	9 37.06	+ 2 6.6	2.388	3.299	8.1	18.5
3 22	9 32.14	+ 3 18.6	2.463	3.301	10.8	18.6

54989 2001 QB_{8} 2 16.0 97°.54 0°.9/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.14	+ 7 5.8	1.468	2.283	17.3	19.5
1 22	10 16.52	+ 7 44.2	1.402	2.295	13.2	19.3
2 1	10 9.19	+ 8 41.8	1.356	2.307	8.4	19.1
2 11	9 59.98	+ 9 52.9	1.336	2.318	3.2	18.8
2 21	9 50.10	+11 9.3	1.344	2.329	2.5	18.8
3 2	9 40.93	+12 22.1	1.379	2.340	7.6	19.1
3 12	9 33.68	+13 23.8	1.439	2.351	12.3	19.4
3 22	9 29.12	+14 10.2	1.521	2.362	16.2	19.7

448245 2008 WS_{68} 2 16.0 57°.34 0°.4/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.64	+ 8 47.1	1.260	2.089	18.8	21.6
1 22	10 17.08	+ 9 21.0	1.208	2.110	14.2	21.3
2 1	10 9.55	+10 13.2	1.178	2.132	8.8	21.1
2 11	10 0.08	+11 17.0	1.171	2.154	3.1	20.8
2 21	9 50.06	+12 23.2	1.191	2.176	2.8	20.9
3 2	9 41.03	+13 22.9	1.236	2.199	8.2	21.2
3 12	9 34.26	+14 9.5	1.306	2.221	13.1	21.6
3 22	9 30.42	+14 39.7	1.397	2.244	17.1	21.9

325983 2010 VF_{174} 2 16.0 51°.29 6°.8/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 16.30	− 7 58.8	1.601	2.353	18.8	20.4
1 22	10 12.68	− 7 56.6	1.532	2.368	15.6	20.3
2 1	10 6.70	− 7 24.5	1.481	2.383	12.1	20.1
2 11	9 59.12	− 6 22.5	1.454	2.399	8.7	19.9
2 21	9 50.96	− 4 55.4	1.452	2.415	6.8	19.8
3 2	9 43.40	− 3 11.3	1.477	2.431	8.0	19.9
3 12	9 37.47	− 1 21.0	1.527	2.448	11.1	20.2
3 22	9 33.88	+ 0 25.5	1.602	2.465	14.4	20.4

423843 2006 QW_{43} 2 16.0 138°.28 2°.6/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 15.30	− 1 32.4	2.637	3.390	12.1	20.9
1 22	10 11.11	− 0 37.4	2.547	3.397	9.7	20.7
2 1	10 5.39	+ 0 35.6	2.481	3.404	6.8	20.5
2 11	9 58.62	+ 2 3.6	2.444	3.411	3.9	20.4
2 21	9 51.44	+ 3 41.9	2.438	3.418	2.6	20.3
3 2	9 44.56	+ 5 24.5	2.464	3.424	4.8	20.4
3 12	9 38.64	+ 7 4.9	2.520	3.431	7.8	20.6
3 22	9 34.20	+ 8 37.7	2.603	3.436	10.5	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
226364 2003 HQ_{36}			2 16.0 191°.42		1°.5/14.7 18	
	h m	° ′			°	m
1 12	10 19.18	+14 23.0	2.051	2.870	12.9	20.8
1 22	10 14.51	+15 8.3	1.970	2.869	9.6	20.6
2 1	10 7.71	+16 2.4	1.913	2.868	5.9	20.4
2 11	9 59.46	+16 59.9	1.885	2.867	2.2	20.1
2 21	9 50.61	+17 54.6	1.885	2.866	3.1	20.2
3 2	9 42.18	+18 40.7	1.915	2.865	7.0	20.4
3 12	9 35.13	+19 14.4	1.972	2.863	10.6	20.6
3 22	9 30.12	+19 33.9	2.052	2.861	13.8	20.8
370516 2003 SG_{225}			2 16.0 121°.94		1°.3/14.8 18	
1 12	10 19.88	+14 55.3	2.452	3.262	11.3	21.7
1 22	10 14.56	+15 32.3	2.383	3.277	8.4	21.5
2 1	10 7.51	+16 15.3	2.339	3.292	5.1	21.4
2 11	9 59.33	+16 59.8	2.325	3.307	1.9	21.2
2 21	9 50.78	+17 41.0	2.341	3.321	2.6	21.2
3 2	9 42.69	+18 14.9	2.387	3.335	5.9	21.5
3 12	9 35.82	+18 38.8	2.462	3.348	9.0	21.7
3 22	9 30.68	+18 51.7	2.560	3.361	11.6	21.9
461683 2005 MT_{9}			2 16.0 160°.75		8°.8/22.4 18	
1 12	10 25.80	−12 17.6	2.261	2.939	15.9	21.5
1 22	10 19.35	−13 39.7	2.171	2.944	13.8	21.3
2 1	10 10.71	−14 42.1	2.103	2.949	11.6	21.2
2 11	10 0.50	−15 21.0	2.060	2.954	9.7	21.1
2 21	9 49.57	−15 35.0	2.043	2.958	8.8	21.0
3 2	9 38.97	−15 25.4	2.055	2.961	9.3	21.0
3 12	9 29.68	−14 56.7	2.093	2.964	11.0	21.2
3 22	9 22.43	−14 15.5	2.155	2.966	13.1	21.3
239729 2009 BZ_{150}			2 16.0 213°.24		4°.4/11.2 18	
1 12	10 17.95	+24 31.4	2.423	3.251	10.8	20.3
1 22	10 13.40	+25 41.0	2.348	3.249	8.2	20.1
2 1	10 6.94	+26 51.5	2.300	3.247	5.7	19.9
2 11	9 59.18	+27 56.2	2.281	3.245	4.4	19.8
2 21	9 50.90	+28 49.3	2.290	3.243	5.6	19.9
3 2	9 42.99	+29 26.2	2.329	3.240	8.1	20.1
3 12	9 36.32	+29 45.2	2.393	3.238	10.8	20.2
3 22	9 31.48	+29 46.5	2.479	3.235	13.2	20.4
172761 2004 DP_{24}			2 16.0 284°.76		0°.6/15.5 17	
1 12	10 20.01	+13 57.2	2.261	3.072	12.1	19.4
1 22	10 14.95	+14 4.8	2.170	3.065	9.1	19.2
2 1	10 7.91	+14 18.7	2.105	3.058	5.6	19.0
2 11	9 59.52	+14 35.5	2.068	3.051	1.9	18.7
2 21	9 50.57	+14 51.4	2.060	3.044	2.3	18.7
3 2	9 41.99	+15 2.7	2.082	3.037	6.1	19.0
3 12	9 34.67	+15 6.7	2.132	3.030	9.6	19.2
3 22	9 29.24	+15 2.2	2.206	3.023	12.7	19.4
66934 Kálalová			2 16.0 15°.57		4°.9/12.8 18	
1 12	10 20.18	+20 27.6	1.332	2.183	16.6	17.1
1 22	10 16.25	+21 32.4	1.270	2.185	12.5	16.9
2 1	10 9.22	+22 43.5	1.230	2.188	8.1	16.6
2 11	10 0.04	+23 50.4	1.215	2.192	5.0	16.4
2 21	9 50.08	+24 42.9	1.226	2.196	6.7	16.6
3 2	9 40.93	+25 13.5	1.261	2.201	10.9	16.8
3 12	9 34.01	+25 19.8	1.319	2.206	15.1	17.1
3 22	9 30.11	+25 3.3	1.397	2.212	18.8	17.3
505011 2011 OW_{39}			2 16.0 176°.24		3°.1/19.0 18	
1 12	10 21.25	+ 0 51.7	3.123	3.866	10.6	22.5
1 22	10 15.29	+ 0 23.1	3.025	3.868	8.5	22.3
2 1	10 7.87	+ 0 4.7	2.954	3.869	6.2	22.2
2 11	9 59.46	− 0 4.0	2.911	3.871	3.9	22.0
2 21	9 50.65	− 0 4.1	2.900	3.871	3.2	22.0
3 2	9 42.11	+ 0 2.6	2.920	3.872	4.7	22.1
3 12	9 34.45	+ 0 13.3	2.971	3.871	7.1	22.2
3 22	9 28.17	+ 0 25.3	3.049	3.871	9.4	22.4
64125 2001 TQ_{21}			2 16.0 57°.23		6°.2/12.0 18	
1 12	10 23.46	+22 50.0	1.268	2.119	17.3	19.0
1 22	10 18.75	+24 11.0	1.219	2.133	13.0	18.7
2 1	10 10.74	+25 34.7	1.192	2.147	8.8	18.5
2 11	10 0.53	+26 48.7	1.190	2.161	6.2	18.4
2 21	9 49.66	+27 42.1	1.212	2.175	8.0	18.6
3 2	9 39.87	+28 8.3	1.260	2.190	11.9	18.8
3 12	9 32.56	+28 6.8	1.330	2.205	15.8	19.1
3 22	9 28.49	+27 40.9	1.418	2.219	19.2	19.4
469171 2016 AX_{1}			2 16.0 72°.70		4°.8/12.8 18	
1 12	10 23.73	+21 49.6	1.533	2.372	15.5	20.9
1 22	10 18.45	+22 47.8	1.477	2.385	11.6	20.6
2 1	10 10.34	+23 48.7	1.443	2.397	7.6	20.4
2 11	10 0.36	+24 43.0	1.436	2.410	4.9	20.3
2 21	9 49.81	+25 22.6	1.455	2.422	6.3	20.4
3 2	9 40.13	+25 41.9	1.501	2.435	10.0	20.7
3 12	9 32.55	+25 39.8	1.572	2.448	13.7	20.9
3 22	9 27.78	+25 18.2	1.662	2.460	17.0	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
401041 2011 SW_{256}			2 16.0 263°.12		5°.3/12.3 18	
	h m	° ′			°	m
1 12	10 23.22	+22 30.7	1.548	2.388	15.3	21.1
1 22	10 18.39	+23 37.1	1.472	2.380	11.6	20.8
2 1	10 10.55	+24 47.8	1.419	2.372	7.8	20.6
2 11	10 0.52	+25 52.9	1.391	2.363	5.4	20.4
2 21	9 49.57	+26 42.9	1.391	2.355	7.0	20.5
3 2	9 39.22	+27 10.7	1.417	2.347	10.8	20.7
3 12	9 30.89	+27 14.0	1.467	2.338	14.8	20.9
3 22	9 25.48	+26 54.5	1.536	2.329	18.3	21.1
102717 1999 VO_{95}			2 16.0 179°.15		1°.5/14.8 18	
1 12	10 22.36	+14 18.8	2.053	2.866	13.1	21.3
1 22	10 16.88	+15 0.4	1.972	2.867	9.8	21.1
2 1	10 9.19	+15 50.5	1.915	2.869	6.0	20.9
2 11	9 59.97	+16 43.8	1.887	2.869	2.2	20.6
2 21	9 50.15	+17 34.2	1.888	2.869	3.0	20.7
3 2	9 40.78	+18 16.0	1.919	2.868	7.0	20.9
3 12	9 32.85	+18 45.6	1.978	2.867	10.7	21.1
3 22	9 27.06	+19 1.6	2.060	2.865	13.9	21.3
200749 2001 VF_{126}			2 16.0 13°.32		2°.6/14.3 18	
1 12	10 20.55	+15 16.1	1.333	2.176	17.1	20.5
1 22	10 16.51	+16 7.2	1.265	2.176	12.9	20.3
2 1	10 9.40	+17 10.6	1.218	2.177	7.9	20.0
2 11	10 0.12	+18 17.8	1.196	2.179	3.2	19.7
2 21	9 50.00	+19 18.9	1.200	2.181	4.6	19.8
3 2	9 40.59	+20 5.4	1.230	2.183	9.6	20.1
3 12	9 33.33	+20 32.3	1.284	2.185	14.3	20.4
3 22	9 29.07	+20 38.8	1.357	2.188	18.4	20.6
379410 2010 AP_{50}			2 16.0 327°.81		2°.9/18.2 18	
1 12	10 16.73	+ 3 55.1	1.799	2.597	15.3	20.1
1 22	10 12.98	+ 3 48.1	1.706	2.586	12.1	19.9
2 1	10 6.95	+ 3 57.6	1.636	2.575	8.3	19.6
2 11	9 59.26	+ 4 22.2	1.590	2.565	4.4	19.3
2 21	9 50.82	+ 4 58.3	1.572	2.555	3.2	19.2
3 2	9 42.73	+ 5 40.7	1.582	2.545	6.6	19.4
3 12	9 36.05	+ 6 23.4	1.618	2.537	10.7	19.6
3 22	9 31.54	+ 7 1.2	1.676	2.528	14.4	19.8
207093 2005 AU_{4}			2 16.0 120°.62		0°.2/16.2 18	
1 12	10 24.45	+10 26.8	1.802	2.608	14.9	21.1
1 22	10 18.51	+10 45.3	1.734	2.624	11.3	20.9
2 1	10 10.19	+11 15.3	1.689	2.639	7.1	20.7
2 11	10 0.29	+11 52.2	1.672	2.654	2.4	20.4
2 21	9 49.89	+12 30.6	1.683	2.668	2.3	20.4
3 2	9 40.15	+13 4.9	1.724	2.682	6.8	20.7
3 12	9 32.14	+13 31.0	1.792	2.695	10.8	21.0
3 22	9 26.50	+13 46.6	1.883	2.707	14.2	21.2
8872 Ebenum			2 16.0 255°.65		0°.1/16.2 18	
1 12	10 16.21	+10 11.5	2.538	3.341	11.2	18.5
1 22	10 11.94	+10 37.7	2.444	3.333	8.5	18.3
2 1	10 5.98	+11 13.3	2.375	3.325	5.3	18.1
2 11	9 58.87	+11 55.1	2.334	3.316	1.9	17.9
2 21	9 51.25	+12 39.0	2.323	3.308	1.8	17.8
3 2	9 43.91	+13 20.7	2.343	3.300	5.3	18.1
3 12	9 37.58	+13 56.5	2.390	3.291	8.5	18.3
3 22	9 32.83	+14 23.7	2.462	3.283	11.4	18.4
405232 2003 SU_{90}			2 16.0 207°.43		1°.8/14.5 17	
1 12	10 23.34	+15 34.6	2.106	2.918	12.8	22.5
1 22	10 17.66	+16 15.8	2.016	2.912	9.6	22.3
2 1	10 9.73	+17 4.6	1.951	2.905	6.0	22.0
2 11	10 0.18	+17 55.6	1.915	2.897	2.4	21.8
2 21	9 49.95	+18 42.7	1.909	2.888	3.3	21.8
3 2	9 40.09	+19 20.5	1.933	2.879	7.2	22.1
3 12	9 31.65	+19 45.5	1.984	2.868	10.9	22.3
3 22	9 25.34	+19 56.4	2.058	2.857	14.1	22.4
185517 2007 VQ_{28}			2 16.0 348°.56		0°.3/16.3 17	
1 12	10 16.68	+10 1.3	2.029	2.842	13.3	20.8
1 22	10 12.63	+10 21.5	1.945	2.839	10.1	20.6
2 1	10 6.56	+10 53.0	1.885	2.836	6.3	20.3
2 11	9 59.09	+11 32.0	1.851	2.834	2.2	20.1
2 21	9 51.05	+12 13.8	1.847	2.832	2.0	20.0
3 2	9 43.41	+12 53.3	1.871	2.830	6.2	20.3
3 12	9 37.07	+13 25.9	1.921	2.829	9.9	20.5
3 22	9 32.68	+13 48.7	1.996	2.828	13.2	20.7
217885 2001 RW_{73}			2 16.0 224°.14		1°.0/15.3 17	
1 12	10 22.96	+14 24.0	2.092	2.903	13.0	20.6
1 22	10 17.36	+14 41.5	2.000	2.895	9.8	20.4
2 1	10 9.53	+15 6.3	1.933	2.886	6.1	20.1
2 11	10 0.11	+15 33.9	1.894	2.878	2.1	19.8
2 21	9 50.03	+15 59.6	1.885	2.868	2.7	19.8
3 2	9 40.34	+16 19.0	1.906	2.859	6.7	20.1
3 12	9 32.05	+16 28.8	1.954	2.848	10.5	20.3
3 22	9 25.89	+16 28.0	2.026	2.838	13.8	20.5

10865 Thelmaruby 2 16.0 309°.92 0°.4/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 17.06	+11 47.9	2.117	2.932	12.7	17.8
1 22	10 12.90	+12 12.0	2.027	2.923	9.6	17.6
2 1	10 6.74	+12 46.0	1.960	2.913	6.0	17.4
2 11	9 59.16	+13 25.9	1.921	2.904	2.0	17.1
2 21	9 50.97	+14 6.7	1.911	2.895	2.2	17.1
3 2	9 43.13	+14 43.6	1.930	2.887	6.3	17.3
3 12	9 36.53	+15 12.5	1.976	2.878	10.0	17.5
3 22	9 31.84	+15 30.8	2.045	2.870	13.2	17.7

236192 2005 WD_{43} 2 16.0 31°.88 1°.7/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.28	+13 34.2	1.053	1.907	19.8	20.3
1 22	10 16.65	+14 6.9	1.003	1.920	14.8	20.1
2 1	10 9.56	+14 54.3	0.972	1.933	9.1	19.8
2 11	10 0.17	+15 47.7	0.964	1.948	3.1	19.5
2 21	9 50.08	+16 37.0	0.980	1.963	4.1	19.6
3 2	9 41.09	+17 13.3	1.020	1.980	9.9	20.0
3 12	9 34.71	+17 31.8	1.081	1.997	15.0	20.3
3 22	9 31.66	+17 31.5	1.162	2.016	19.3	20.6

258306 2001 UR_{158} 2 16.0 154°.39 3°.3/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.58	+20 25.9	2.274	3.095	11.7	21.1
1 22	10 16.10	+21 25.4	2.203	3.103	8.8	20.9
2 1	10 8.61	+22 28.3	2.158	3.110	5.6	20.7
2 11	9 59.76	+23 28.0	2.142	3.117	3.4	20.6
2 21	9 50.42	+24 18.6	2.156	3.123	4.6	20.6
3 2	9 41.56	+24 55.3	2.200	3.129	7.5	20.8
3 12	9 34.07	+25 16.0	2.270	3.134	10.6	21.0
3 22	9 28.55	+25 20.8	2.363	3.139	13.2	21.2

97673 2000 FW_{47} 2 16.0 55°.03 3°.7/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.44	+20 4.5	2.067	2.899	12.3	18.4
1 22	10 13.23	+21 18.1	1.997	2.903	9.2	18.2
2 1	10 6.94	+22 36.5	1.953	2.907	5.9	18.0
2 11	9 59.22	+23 52.3	1.936	2.911	3.7	17.9
2 21	9 50.95	+24 58.4	1.948	2.915	5.1	18.0
3 2	9 43.14	+25 49.1	1.989	2.919	8.2	18.2
3 12	9 36.72	+26 21.4	2.056	2.923	11.4	18.4
3 22	9 32.33	+26 35.0	2.144	2.927	14.1	18.6

359108 2009 BH_{23} 2 16.0 39°.55 2°.8/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.93	+17 21.2	1.198	2.045	18.4	20.3
1 22	10 19.06	+17 44.7	1.146	2.059	13.7	20.1
2 1	10 10.90	+18 15.8	1.115	2.074	8.5	19.8
2 11	10 0.59	+18 46.2	1.108	2.090	3.5	19.6
2 21	9 49.70	+19 8.0	1.126	2.107	4.7	19.7
3 2	9 39.93	+19 15.3	1.169	2.124	9.7	20.0
3 12	9 32.68	+19 6.1	1.236	2.141	14.4	20.3
3 22	9 28.66	+18 41.2	1.322	2.160	18.4	20.6

467536 2007 RR_{213} 2 16.0 135°.93 0°.5/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.00	+12 39.7	2.666	3.468	10.7	22.1
1 22	10 13.81	+13 6.3	2.590	3.479	8.0	21.9
2 1	10 7.03	+13 39.6	2.539	3.491	4.9	21.8
2 11	9 59.20	+14 16.1	2.519	3.502	1.6	21.5
2 21	9 51.02	+14 51.8	2.528	3.512	1.9	21.6
3 2	9 43.22	+15 23.2	2.569	3.522	5.2	21.8
3 12	9 36.50	+15 47.5	2.639	3.532	8.2	22.0
3 22	9 31.36	+16 2.9	2.733	3.541	10.8	22.2

148119 1999 TV_{81} 2 16.0 123°.49 1°.2/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.35	+12 57.0	1.528	2.349	16.4	21.6
1 22	10 19.63	+13 36.2	1.464	2.363	12.3	21.3
2 1	10 11.09	+14 27.4	1.421	2.376	7.6	21.1
2 11	10 0.66	+15 23.7	1.405	2.389	2.6	20.8
2 21	9 49.60	+16 17.0	1.418	2.401	3.3	20.9
3 2	9 39.33	+17 0.4	1.458	2.412	8.2	21.2
3 12	9 31.09	+17 29.4	1.524	2.423	12.6	21.5
3 22	9 25.63	+17 42.6	1.611	2.433	16.4	21.7

14122 Josties 2 16.0 128°.90 2°.3/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.99	+ 3 24.3	1.784	2.569	15.9	19.1
1 22	10 17.47	+ 3 50.7	1.712	2.586	12.4	18.9
2 1	10 9.59	+ 4 35.8	1.663	2.602	8.3	18.7
2 11	10 0.13	+ 5 36.0	1.641	2.617	4.0	18.4
2 21	9 50.12	+ 6 45.3	1.648	2.632	2.7	18.4
3 2	9 40.71	+ 7 56.4	1.684	2.645	6.5	18.6
3 12	9 32.96	+ 9 2.5	1.747	2.658	10.6	18.9
3 22	9 27.53	+ 9 58.5	1.835	2.670	14.1	19.2

111272 2001 XN_{33} 2 16.0 172°.11 3°.6/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.43	− 0 59.6	2.422	3.174	13.1	21.4
1 22	10 14.35	− 0 57.0	2.330	3.178	10.5	21.2
2 1	10 7.49	− 0 38.2	2.263	3.181	7.6	21.0
2 11	9 59.40	− 0 4.4	2.222	3.184	4.8	20.9
2 21	9 50.81	+ 0 41.6	2.211	3.185	3.6	20.8
3 2	9 42.54	+ 1 35.4	2.230	3.187	5.6	20.9
3 12	9 35.38	+ 2 31.9	2.278	3.187	8.5	21.1
3 22	9 29.93	+ 3 26.1	2.352	3.187	11.4	21.3

305710 2009 BU_{179} 2 16.1 169°.67 0°.5/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 21.82	+ 9 3.4	1.766	2.574	15.1	21.9
1 22	10 16.76	+ 9 28.3	1.686	2.577	11.5	21.7
2 1	10 9.26	+10 7.2	1.629	2.579	7.3	21.4
2 11	10 0.06	+10 55.7	1.598	2.580	2.7	21.2
2 21	9 50.17	+11 47.8	1.596	2.582	2.3	21.1
3 2	9 40.78	+12 37.2	1.623	2.583	6.9	21.4
3 12	9 33.02	+13 18.2	1.677	2.583	11.2	21.7
3 22	9 27.63	+13 47.7	1.753	2.583	14.9	21.9

369616 2011 CZ_{87} 2 16.1 77°.22 1°.2/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 16.49	+ 5 8.0	1.896	2.697	14.5	20.9
1 22	10 12.58	+ 5 57.7	1.818	2.702	11.2	20.6
2 1	10 6.58	+ 7 5.4	1.762	2.708	7.2	20.4
2 11	9 59.12	+ 8 26.7	1.733	2.713	3.0	20.2
2 21	9 51.10	+ 9 54.6	1.733	2.719	2.1	20.1
3 2	9 43.50	+11 21.4	1.763	2.725	6.3	20.4
3 12	9 37.29	+12 40.1	1.819	2.730	10.2	20.6
3 22	9 33.11	+13 45.7	1.900	2.736	13.7	20.9

393296 2013 YU_{64} 2 16.1 286°.84 0°.8/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.91	+ 8 56.0	2.286	3.086	12.4	20.9
1 22	10 13.41	+ 9 2.2	2.188	3.074	9.5	20.7
2 1	10 7.02	+ 9 18.7	2.115	3.062	6.1	20.4
2 11	9 59.27	+ 9 42.9	2.069	3.050	2.4	20.2
2 21	9 50.93	+10 11.0	2.052	3.038	1.9	20.1
3 2	9 42.88	+10 39.1	2.066	3.026	5.6	20.3
3 12	9 35.96	+11 3.4	2.106	3.014	9.2	20.5
3 22	9 30.83	+11 21.0	2.172	3.002	12.4	20.7

81227 2000 FK_{24} 2 16.1 199°.88 1°.3/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.03	+12 27.7	2.282	3.091	12.1	19.6
1 22	10 14.28	+13 35.7	2.193	3.087	9.0	19.4
2 1	10 7.56	+14 54.8	2.129	3.083	5.5	19.1
2 11	9 59.46	+16 19.3	2.095	3.078	2.0	18.9
2 21	9 50.75	+17 42.5	2.092	3.072	2.8	18.9
3 2	9 42.33	+18 57.8	2.119	3.066	6.5	19.2
3 12	9 35.10	+20 0.4	2.174	3.060	10.0	19.4
3 22	9 29.72	+20 47.7	2.253	3.052	13.0	19.6

360739 2004 UN_{5} 2 16.1 18°.91 2°.6/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.35	+15 45.8	1.249	2.096	17.7	20.8
1 22	10 16.47	+16 26.6	1.186	2.100	13.3	20.6
2 1	10 9.42	+17 18.7	1.144	2.104	8.2	20.3
2 11	10 0.16	+18 13.6	1.126	2.108	3.3	20.0
2 21	9 50.10	+19 1.8	1.133	2.114	4.6	20.1
3 2	9 40.88	+19 35.4	1.166	2.120	9.8	20.4
3 12	9 33.93	+19 50.2	1.221	2.127	14.6	20.7
3 22	9 30.08	+19 45.7	1.296	2.134	18.6	21.0

286032 2001 SO_{170} 2 16.1 173°.14 1°.7/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.55	+ 6 7.7	1.992	2.785	14.2	21.4
1 22	10 15.55	+ 6 14.5	1.907	2.787	11.0	21.2
2 1	10 8.40	+ 6 35.3	1.846	2.788	7.2	21.0
2 11	9 59.75	+ 7 7.2	1.811	2.789	3.3	20.7
2 21	9 50.50	+ 7 46.2	1.805	2.790	2.4	20.7
3 2	9 41.67	+ 8 27.2	1.829	2.790	6.1	20.9
3 12	9 34.24	+ 9 5.1	1.880	2.791	10.0	21.1
3 22	9 28.88	+ 9 36.1	1.955	2.790	13.4	21.4

520721 2014 QF_{469} 2 16.1 63°.46 3°.7/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.41	− 1 26.9	1.628	2.410	17.3	20.8
1 22	10 13.44	− 0 51.5	1.563	2.429	13.8	20.6
2 1	10 7.15	+ 0 9.3	1.519	2.449	9.7	20.4
2 11	9 59.32	+ 1 31.9	1.500	2.468	5.6	20.2
2 21	9 50.97	+ 3 9.4	1.508	2.488	3.8	20.1
3 2	9 43.25	+ 4 52.4	1.544	2.508	6.7	20.3
3 12	9 37.18	+ 6 31.5	1.607	2.528	10.7	20.6
3 22	9 33.39	+ 7 59.2	1.694	2.547	14.2	20.9

244176 2001 XJ_{127} 2 16.1 66°.03 2°.9/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.27	+ 4 8.4	1.391	2.199	18.4	20.9
1 22	10 16.76	+ 4 10.1	1.324	2.210	14.4	20.6
2 1	10 9.42	+ 4 32.8	1.278	2.222	9.7	20.4
2 11	10 0.14	+ 5 13.6	1.256	2.233	4.8	20.2
2 21	9 50.17	+ 6 6.3	1.261	2.245	3.4	20.1
3 2	9 40.93	+ 7 3.3	1.292	2.256	7.7	20.4
3 12	9 33.71	+ 7 56.6	1.348	2.268	12.3	20.7
3 22	9 29.26	+ 8 40.5	1.425	2.280	16.3	20.9

39569 1992 SV_{3} 2 16.1 47°.19 0°.4/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.75	+10 21.8	1.326	2.159	17.8	19.0
1 22	10 15.71	+11 1.6	1.267	2.172	13.4	18.8
2 1	10 8.78	+11 58.0	1.229	2.185	8.3	18.5
2 11	9 59.91	+13 4.0	1.216	2.199	2.7	18.2
2 21	9 50.40	+14 10.7	1.228	2.214	3.0	18.3
3 2	9 41.71	+15 9.4	1.268	2.228	8.3	18.6
3 12	9 35.11	+15 53.6	1.331	2.243	13.1	18.9
3 22	9 31.35	+16 20.5	1.415	2.259	17.1	19.2

404453 2013 GN_{110} 2 16.1 170°.85 3°.8/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.68	+20 54.0	1.902	2.728	13.4	20.8
1 22	10 18.09	+21 47.5	1.829	2.731	10.1	20.5
2 1	10 10.05	+22 44.5	1.781	2.733	6.5	20.3
2 11	10 0.33	+23 37.7	1.760	2.735	3.9	20.2
2 21	9 49.97	+24 19.9	1.768	2.736	5.2	20.3
3 2	9 40.20	+24 46.0	1.805	2.737	8.7	20.5
3 12	9 32.10	+24 54.0	1.867	2.738	12.2	20.7
3 22	9 26.40	+24 44.5	1.951	2.738	15.2	20.9

358066 2006 HV_{80} 2 16.1 228°.94 1°.3/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.65	+13 55.3	2.018	2.830	13.3	22.6
1 22	10 17.30	+14 34.1	1.922	2.818	10.1	22.3
2 1	10 9.62	+15 22.6	1.851	2.805	6.2	22.1
2 11	10 0.22	+16 15.4	1.808	2.791	2.2	21.8
2 21	9 50.03	+17 6.5	1.795	2.777	3.0	21.8
3 2	9 40.16	+17 49.9	1.811	2.761	7.2	22.0
3 12	9 31.69	+18 21.3	1.855	2.746	11.2	22.2
3 22	9 25.42	+18 38.7	1.921	2.729	14.6	22.4

192772 1999 UH_{11} 2 16.1 208°.54 0°.3/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.33	+ 9 55.7	2.227	3.029	12.6	20.8
1 22	10 14.47	+10 13.1	2.138	3.026	9.6	20.6
2 1	10 7.66	+10 40.7	2.074	3.023	6.0	20.4
2 11	9 59.50	+11 15.2	2.038	3.020	2.2	20.1
2 21	9 50.78	+11 52.3	2.031	3.016	1.9	20.1
3 2	9 42.41	+12 27.4	2.054	3.012	5.8	20.3
3 12	9 35.28	+12 56.6	2.105	3.008	9.4	20.5
3 22	9 30.01	+13 17.2	2.180	3.004	12.6	20.7

366155 2012 FX_{3} 2 16.1 135°.66 3°.4/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.47	− 0 20.9	2.130	2.893	14.3	21.4
1 22	10 14.55	− 0 8.0	2.049	2.905	11.4	21.2
2 1	10 7.68	+ 0 23.1	1.992	2.916	8.1	21.0
2 11	9 59.49	+ 1 10.5	1.961	2.927	4.8	20.8
2 21	9 50.81	+ 2 10.3	1.959	2.937	3.5	20.7
3 2	9 42.55	+ 3 16.9	1.987	2.946	5.9	20.9
3 12	9 35.60	+ 4 23.9	2.043	2.955	9.2	21.1
3 22	9 30.54	+ 5 26.0	2.124	2.964	12.3	21.3

145433 2005 QU_{79} 2 16.1 195°.43 3°.6/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 15.88	− 1 7.6	2.615	3.370	12.2	20.2
1 22	10 11.61	− 1 11.0	2.522	3.369	9.8	20.0
2 1	10 5.76	− 0 59.6	2.451	3.368	7.2	19.8
2 11	9 58.83	− 0 34.4	2.408	3.367	4.6	19.6
2 21	9 51.44	+ 0 2.4	2.393	3.366	3.6	19.6
3 2	9 44.33	+ 0 47.2	2.409	3.365	5.2	19.7
3 12	9 38.18	+ 1 35.4	2.452	3.364	7.9	19.8
3 22	9 33.53	+ 2 22.8	2.522	3.362	10.5	20.0

250157 2002 TV_{34} 2 16.1 59°.69 3°.7/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.94	+ 0 17.2	1.586	2.376	17.3	20.5
1 22	10 13.96	+ 0 32.9	1.516	2.388	13.8	20.3
2 1	10 7.55	+ 1 12.1	1.466	2.400	9.6	20.1
2 11	9 59.49	+ 2 12.0	1.442	2.412	5.5	19.9
2 21	9 50.82	+ 3 26.8	1.444	2.425	3.8	19.8
3 2	9 42.75	+ 4 48.3	1.474	2.437	7.0	20.0
3 12	9 36.36	+ 6 7.9	1.529	2.450	11.1	20.3
3 22	9 32.36	+ 7 18.5	1.608	2.463	14.8	20.5

426410 2013 PS_{71} 2 16.1 195°.80 1°.4/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.15	+ 8 31.7	2.002	2.798	14.0	20.8
1 22	10 17.52	+ 8 20.8	1.915	2.797	10.8	20.6
2 1	10 9.64	+ 8 20.5	1.851	2.796	7.0	20.4
2 11	10 0.20	+ 8 28.5	1.814	2.794	3.0	20.1
2 21	9 50.13	+ 8 41.5	1.808	2.792	2.2	20.1
3 2	9 40.51	+ 8 55.6	1.830	2.790	6.2	20.3
3 12	9 32.34	+ 9 7.2	1.880	2.788	10.1	20.6
3 22	9 26.32	+ 9 13.5	1.955	2.785	13.5	20.8

174041 2002 AX_{135} 2 16.1 308°.60 5°.4/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 15.60	+23 50.9	2.132	2.970	11.7	19.0
1 22	10 12.15	+25 43.5	2.041	2.947	9.0	18.8
2 1	10 6.50	+27 42.1	1.976	2.924	6.4	18.6
2 11	9 59.19	+29 37.3	1.941	2.901	5.5	18.5
2 21	9 51.04	+31 19.9	1.934	2.879	7.1	18.6
3 2	9 43.07	+32 42.3	1.955	2.856	10.0	18.7
3 12	9 36.35	+33 40.1	2.001	2.834	13.1	18.8
3 22	9 31.67	+34 13.0	2.068	2.813	15.8	19.0

516896 2011 RP_{20} 2 16.1 49°.69 0°.5/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.53	+10 46.8	1.330	2.158	18.0	21.4
1 22	10 18.55	+10 46.6	1.268	2.169	13.7	21.2
2 1	10 10.56	+11 0.1	1.227	2.181	8.6	20.9
2 11	10 0.54	+11 22.8	1.210	2.193	3.1	20.6
2 21	9 49.86	+11 48.3	1.220	2.206	2.7	20.6
3 2	9 40.07	+12 10.5	1.256	2.218	8.1	21.0
3 12	9 32.48	+12 24.6	1.316	2.231	13.0	21.3
3 22	9 27.87	+12 28.1	1.397	2.245	17.0	21.6

462413 2008 TH_{5} 2 16.1 202°.64 4°.0/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.94	+24 49.1	2.553	3.370	10.7	21.5
1 22	10 17.04	+25 33.4	2.471	3.366	8.1	21.4
2 1	10 9.19	+26 17.2	2.415	3.361	5.6	21.2
2 11	10 0.02	+26 54.9	2.389	3.355	4.0	21.1
2 21	9 50.34	+27 21.5	2.392	3.349	5.1	21.1
3 2	9 41.06	+27 33.7	2.425	3.342	7.6	21.3
3 12	9 33.05	+27 30.2	2.486	3.335	10.3	21.5
3 22	9 26.92	+27 12.0	2.569	3.327	12.7	21.6

88289 2001 MD_{28} 2 16.1 202°.62 1°.4/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.77	+ 7 5.7	1.818	2.614	15.2	20.0
1 22	10 18.27	+ 7 17.8	1.728	2.611	11.8	19.8
2 1	10 10.27	+ 7 44.7	1.661	2.606	7.7	19.5
2 11	10 0.47	+ 8 23.3	1.621	2.600	3.2	19.2
2 21	9 49.87	+ 9 8.6	1.609	2.594	2.4	19.2
3 2	9 39.68	+ 9 54.5	1.627	2.587	6.8	19.4
3 12	9 31.07	+10 35.5	1.672	2.580	11.2	19.7
3 22	9 24.83	+11 7.5	1.740	2.571	14.9	19.9

88287 2001 MB_{25} 2 16.1 245°.70 3°.6/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.44	+ 2 4.2	1.725	2.508	16.4	20.7
1 22	10 17.55	+ 1 58.4	1.623	2.493	13.2	20.4
2 1	10 10.01	+ 2 11.8	1.543	2.476	9.3	20.1
2 11	10 0.44	+ 2 43.6	1.488	2.459	5.3	19.9
2 21	9 49.85	+ 3 30.3	1.461	2.442	3.9	19.7
3 2	9 39.50	+ 4 26.0	1.462	2.424	7.4	19.9
3 12	9 30.68	+ 5 23.5	1.490	2.405	11.8	20.1
3 22	9 24.32	+ 6 16.3	1.541	2.385	15.9	20.3

109426 2001 QX_{194} 2 16.1 243°.88 1°.2/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.31	+ 8 46.7	2.125	2.918	13.4	20.2
1 22	10 17.67	+ 8 42.0	2.022	2.903	10.4	20.0
2 1	10 9.81	+ 8 47.6	1.943	2.888	6.7	19.8
2 11	10 0.30	+ 9 1.1	1.892	2.872	2.8	19.5
2 21	9 50.03	+ 9 19.1	1.870	2.855	2.1	19.4
3 2	9 40.03	+ 9 37.8	1.879	2.838	6.2	19.6
3 12	9 31.34	+ 9 53.3	1.916	2.821	10.1	19.8
3 22	9 24.71	+10 2.8	1.977	2.802	13.6	20.0

361140 2006 HL_{61} 2 16.1 274°.84 4°.8/19.5 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.96	− 1 22.9	1.692	2.469	17.0	22.1
1 22	10 15.03	− 1 24.0	1.585	2.446	13.9	21.8
2 1	10 8.51	− 1 1.6	1.499	2.424	10.2	21.6
2 11	9 59.96	− 0 15.5	1.436	2.401	6.4	21.3
2 21	9 50.33	+ 0 51.4	1.401	2.378	4.8	21.1
3 2	9 40.85	+ 2 12.4	1.393	2.354	7.7	21.2
3 12	9 32.81	+ 3 38.6	1.411	2.330	11.9	21.4
3 22	9 27.17	+ 5 1.3	1.452	2.306	16.1	21.6

14091 1997 MQ_{4} 2 16.1 100°.87 5°.9/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.88	+25 17.1	1.849	2.682	13.5	17.9
1 22	10 17.51	+26 52.6	1.799	2.701	10.2	17.7
2 1	10 9.68	+28 27.5	1.774	2.719	7.3	17.5
2 11	10 0.21	+29 52.1	1.777	2.737	5.9	17.5
2 21	9 50.24	+30 58.0	1.808	2.755	7.3	17.6
3 2	9 40.98	+31 40.1	1.866	2.772	10.2	17.8
3 12	9 33.51	+31 57.4	1.949	2.788	13.1	18.0
3 22	9 28.51	+31 52.4	2.052	2.805	15.6	18.3

458609 2011 FC_{57} 2 16.1 245°.31 5°.1/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.38	+27 17.5	2.228	3.050	11.9	21.7
1 22	10 18.44	+27 59.5	2.146	3.041	9.2	21.5
2 1	10 10.22	+28 39.2	2.089	3.031	6.6	21.3
2 11	10 0.42	+29 9.9	2.060	3.021	5.1	21.2
2 21	9 50.00	+29 25.9	2.059	3.010	6.2	21.2
3 2	9 40.07	+29 23.6	2.088	3.000	8.9	21.4
3 12	9 31.66	+29 2.7	2.142	2.989	11.8	21.5
3 22	9 25.47	+28 25.0	2.219	2.978	14.4	21.7

268100 2004 RK_{310} 2 16.1 163°.49 1°.6/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.99	+15 33.7	2.112	2.928	12.7	21.2
1 22	10 15.80	+16 3.5	2.033	2.931	9.5	21.0
2 1	10 8.52	+16 39.9	1.979	2.933	5.8	20.8
2 11	9 59.82	+17 18.0	1.953	2.935	2.2	20.5
2 21	9 50.59	+17 52.5	1.956	2.937	3.0	20.6
3 2	9 41.82	+18 18.9	1.989	2.938	6.7	20.8
3 12	9 34.44	+18 34.2	2.049	2.939	10.3	21.1
3 22	9 29.11	+18 37.3	2.132	2.940	13.4	21.3

73764 1994 NB_{2} 2 16.1 207°.83 1°.1/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.91	+ 6 56.8	2.245	3.033	12.9	20.5
1 22	10 15.71	+ 7 19.5	2.148	3.027	10.0	20.3
2 1	10 8.49	+ 7 55.3	2.076	3.020	6.5	20.1
2 11	9 59.84	+ 8 40.9	2.032	3.012	2.7	19.8
2 21	9 50.54	+ 9 32.1	2.018	3.003	2.0	19.7
3 2	9 41.55	+10 23.5	2.035	2.994	5.8	20.0
3 12	9 33.76	+11 10.3	2.080	2.984	9.5	20.2
3 22	9 27.85	+11 48.9	2.149	2.973	12.7	20.4

599 Luisa 2 16.1 147°.35 6°.3/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 24.85	+33 39.9	2.660	3.471	10.5	14.2
1 22	10 18.43	+34 49.9	2.605	3.483	8.4	14.1
2 1	10 10.02	+35 53.3	2.576	3.494	6.8	14.0
2 11	10 0.30	+36 43.4	2.576	3.505	6.3	14.0
2 21	9 50.17	+37 15.1	2.604	3.515	7.3	14.1
3 2	9 40.59	+37 26.1	2.661	3.524	9.1	14.2
3 12	9 32.44	+37 16.5	2.742	3.533	11.1	14.3
3 22	9 26.31	+36 49.1	2.845	3.541	12.9	14.5

499419 2010 CQ_{65} 2 16.1 259°.95 1°.3/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 15.97	+ 4 41.8	2.510	3.293	11.9	21.7
1 22	10 11.90	+ 5 22.0	2.400	3.274	9.2	21.5
2 1	10 6.09	+ 6 16.9	2.315	3.255	6.1	21.3
2 11	9 59.02	+ 7 23.9	2.258	3.236	2.8	21.0
2 21	9 51.33	+ 8 38.4	2.231	3.216	1.9	20.9
3 2	9 43.81	+ 9 55.0	2.236	3.196	5.2	21.1
3 12	9 37.24	+11 8.0	2.269	3.176	8.7	21.3
3 22	9 32.24	+12 12.9	2.328	3.155	11.8	21.4

47662 2000 CN_{53} 2 16.1 295°.33 0°.3/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.81	+ 9 41.0	2.104	2.911	13.0	18.4
1 22	10 13.46	+10 2.1	2.017	2.908	9.9	18.2
2 1	10 7.10	+10 34.5	1.954	2.904	6.3	18.0
2 11	9 59.36	+11 14.6	1.919	2.901	2.3	17.7
2 21	9 51.04	+11 57.6	1.913	2.898	2.0	17.7
3 2	9 43.09	+12 38.5	1.936	2.895	6.0	17.9
3 12	9 36.42	+13 12.9	1.986	2.892	9.8	18.1
3 22	9 31.66	+13 37.9	2.060	2.889	13.0	18.3

264750 2002 CD_{276} 2 16.1 0°.48 10°.7/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.70	− 8 0.7	1.406	2.165	20.6	19.0
1 22	10 15.07	− 9 46.2	1.329	2.162	17.8	18.8
2 1	10 8.58	−11 7.2	1.271	2.160	14.7	18.6
2 11	9 59.99	−11 57.7	1.234	2.160	12.0	18.5
2 21	9 50.44	−12 15.3	1.220	2.161	10.7	18.4
3 2	9 41.36	−12 1.6	1.229	2.163	11.6	18.4
3 12	9 34.14	−11 23.8	1.260	2.167	14.1	18.6
3 22	9 29.70	−10 31.7	1.312	2.172	17.2	18.8

338970 2004 FF_{54} 2 16.1 4°.07 0°.4/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.22	+12 40.1	1.809	2.632	14.2	20.4
1 22	10 14.02	+12 51.2	1.731	2.632	10.7	20.2
2 1	10 7.56	+13 11.8	1.677	2.632	6.6	19.9
2 11	9 59.54	+13 37.5	1.650	2.633	2.2	19.6
2 21	9 50.93	+14 3.5	1.650	2.635	2.4	19.7
3 2	9 42.84	+14 24.9	1.678	2.637	6.8	19.9
3 12	9 36.27	+14 37.9	1.733	2.640	10.9	20.2
3 22	9 31.90	+14 40.7	1.809	2.644	14.3	20.4

169304 2001 TB_{23} 2 16.1 170°.91 0°.2/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.55	+ 9 54.0	2.926	3.718	10.1	21.6
1 22	10 12.69	+10 17.1	2.838	3.721	7.7	21.5
2 1	10 6.37	+10 48.2	2.776	3.724	4.8	21.3
2 11	9 59.07	+11 24.3	2.744	3.726	1.7	21.1
2 21	9 51.40	+12 2.2	2.743	3.728	1.5	21.0
3 2	9 44.01	+12 38.2	2.773	3.730	4.6	21.3
3 12	9 37.54	+13 9.4	2.833	3.731	7.5	21.5
3 22	9 32.46	+13 33.6	2.918	3.732	10.0	21.6

105179 2000 OP_{28} 2 16.1 151°.07 3°.8/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.57	+ 0 13.5	2.045	2.815	14.7	19.1
1 22	10 14.78	+ 0 7.0	1.960	2.819	11.8	18.9
2 1	10 7.94	+ 0 17.9	1.898	2.822	8.4	18.7
2 11	9 59.66	+ 0 45.2	1.861	2.826	5.1	18.5
2 21	9 50.81	+ 1 25.7	1.853	2.829	3.9	18.5
3 2	9 42.37	+ 2 14.6	1.873	2.832	6.2	18.6
3 12	9 35.24	+ 3 6.1	1.922	2.835	9.6	18.8
3 22	9 30.10	+ 3 55.0	1.994	2.838	12.8	19.0

138520 2000 NK_{14} 2 16.1 267°.63 2°.3/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.24	+ 5 16.6	2.443	3.222	12.3	19.3
1 22	10 15.09	+ 4 57.8	2.338	3.207	9.7	19.1
2 1	10 8.07	+ 4 49.5	2.257	3.193	6.6	18.9
2 11	9 59.72	+ 4 50.4	2.204	3.178	3.5	18.7
2 21	9 50.75	+ 4 58.7	2.181	3.163	2.6	18.6
3 2	9 42.01	+ 5 11.4	2.189	3.148	5.4	18.7
3 12	9 34.35	+ 5 25.2	2.224	3.133	8.8	18.9
3 22	9 28.40	+ 5 37.1	2.285	3.117	11.8	19.1

367985 2012 FQ_{10} 2 16.1 355°.45 1°.9/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.42	+ 5 11.4	1.729	2.531	15.6	21.4
1 22	10 14.31	+ 5 29.6	1.647	2.531	12.1	21.1
2 1	10 7.82	+ 6 5.6	1.587	2.531	8.0	20.9
2 11	9 59.67	+ 6 56.1	1.552	2.531	3.7	20.6
2 21	9 50.83	+ 7 55.5	1.546	2.531	2.5	20.5
3 2	9 42.43	+ 8 57.1	1.567	2.531	6.7	20.8
3 12	9 35.58	+ 9 54.0	1.615	2.531	11.0	21.0
3 22	9 31.01	+10 41.2	1.686	2.531	14.7	21.3

279663 2011 FK_{11} 2 16.1 316°.27 2°.4/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 16.99	+ 4 13.0	1.836	2.634	15.0	21.0
1 22	10 13.17	+ 4 21.5	1.745	2.625	11.8	20.7
2 1	10 7.11	+ 4 47.2	1.676	2.617	8.0	20.5
2 11	9 59.44	+ 5 27.8	1.633	2.609	4.0	20.2
2 21	9 51.05	+ 6 18.9	1.618	2.601	2.8	20.1
3 2	9 43.01	+ 7 14.5	1.630	2.594	6.5	20.3
3 12	9 36.36	+ 8 8.2	1.670	2.587	10.5	20.5
3 22	9 31.84	+ 8 54.8	1.732	2.580	14.2	20.8

460263 2014 QT_{307} 2 16.1 149°.98 1°.9/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.37	+15 48.5	1.924	2.742	13.7	22.2
1 22	10 17.76	+16 24.0	1.850	2.749	10.2	22.0
2 1	10 9.83	+17 6.6	1.801	2.755	6.3	21.8
2 11	10 0.33	+17 50.6	1.779	2.761	2.5	21.5
2 21	9 50.25	+18 29.8	1.787	2.767	3.4	21.6
3 2	9 40.75	+18 59.2	1.823	2.772	7.3	21.9
3 12	9 32.84	+19 15.6	1.887	2.776	11.1	22.1
3 22	9 27.21	+19 18.3	1.973	2.780	14.3	22.3

248682 2006 KN_{39} 2 16.1 250°.69 0°.2/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.98	+ 9 25.7	1.788	2.598	14.9	21.4
1 22	10 16.35	+ 9 55.1	1.692	2.584	11.4	21.1
2 1	10 9.21	+10 39.2	1.619	2.570	7.2	20.8
2 11	10 0.20	+11 33.8	1.573	2.555	2.6	20.5
2 21	9 50.30	+12 32.6	1.555	2.540	2.4	20.4
3 2	9 40.70	+13 28.7	1.565	2.524	7.2	20.7
3 12	9 32.60	+14 16.0	1.602	2.508	11.7	20.9
3 22	9 26.86	+14 50.7	1.662	2.492	15.6	21.1

333445 2003 UU_{130} 2 16.1 203°.17 2°.4/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.30	+ 4 34.7	2.442	3.216	12.4	20.8
1 22	10 15.81	+ 4 19.0	2.347	3.213	9.8	20.6
2 1	10 8.47	+ 4 14.5	2.276	3.209	6.7	20.4
2 11	9 59.86	+ 4 20.0	2.232	3.205	3.6	20.2
2 21	9 50.70	+ 4 33.1	2.220	3.201	2.7	20.1
3 2	9 41.86	+ 4 50.8	2.237	3.196	5.4	20.3
3 12	9 34.14	+ 5 9.6	2.283	3.191	8.6	20.5
3 22	9 28.15	+ 5 26.4	2.355	3.185	11.6	20.7

402013 2003 RZ_{24} 2 16.1 208°.25 0°.1/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.69	+ 9 28.1	2.079	2.878	13.4	22.6
1 22	10 16.49	+10 3.9	1.985	2.872	10.2	22.3
2 1	10 9.10	+10 52.5	1.916	2.865	6.5	22.1
2 11	10 0.13	+11 49.7	1.875	2.857	2.3	21.8
2 21	9 50.45	+12 49.7	1.864	2.849	2.1	21.8
3 2	9 41.10	+13 46.6	1.883	2.839	6.4	22.0
3 12	9 33.08	+14 35.0	1.929	2.829	10.3	22.2
3 22	9 27.11	+15 11.9	2.000	2.818	13.8	22.4

201252 2002 RM_{116} 2 16.1 97°.92 0°.6/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.76	+ 8 32.2	2.299	3.096	12.4	21.0
1 22	10 13.87	+ 8 54.9	2.227	3.112	9.4	20.8
2 1	10 7.22	+ 9 28.4	2.181	3.128	6.0	20.6
2 11	9 59.41	+10 9.0	2.162	3.144	2.3	20.4
2 21	9 51.21	+10 52.5	2.174	3.159	1.8	20.4
3 2	9 43.47	+11 34.3	2.215	3.175	5.4	20.7
3 12	9 36.95	+12 10.5	2.285	3.190	8.7	20.9
3 22	9 32.20	+12 38.3	2.379	3.204	11.6	21.1

426680 2013 TS_{19} 2 16.1 144°.66 1°.5/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.91	+14 53.3	2.184	3.000	12.3	21.7
1 22	10 14.94	+15 31.4	2.108	3.005	9.2	21.5
2 1	10 7.99	+16 16.8	2.056	3.010	5.6	21.3
2 11	9 59.70	+17 4.5	2.033	3.015	2.1	21.1
2 21	9 50.91	+17 48.9	2.039	3.020	2.9	21.1
3 2	9 42.57	+18 25.4	2.075	3.024	6.5	21.4
3 12	9 35.56	+18 50.6	2.138	3.028	10.0	21.6
3 22	9 30.47	+19 3.2	2.225	3.032	12.9	21.8

208234 2000 SL_{273} 2 16.1 214°.83 0°.6/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.76	+ 8 41.5	2.003	2.801	14.0	21.4
1 22	10 17.38	+ 9 3.5	1.908	2.793	10.7	21.2
2 1	10 9.70	+ 9 38.5	1.837	2.784	6.9	21.0
2 11	10 0.35	+10 22.9	1.793	2.774	2.6	20.7
2 21	9 50.24	+11 11.6	1.779	2.764	2.1	20.6
3 2	9 40.46	+11 58.8	1.794	2.753	6.5	20.9
3 12	9 32.07	+12 39.5	1.838	2.741	10.6	21.1
3 22	9 25.84	+13 10.2	1.905	2.728	14.1	21.3

323929 2005 TX_{129} 2 16.1 210°.54 1°.7/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.37	+ 5 6.5	2.276	3.060	12.9	22.1
1 22	10 14.54	+ 5 27.0	2.180	3.054	10.1	21.9
2 1	10 7.79	+ 6 1.6	2.107	3.047	6.7	21.6
2 11	9 59.66	+ 6 47.6	2.063	3.040	3.1	21.4
2 21	9 50.92	+ 7 40.8	2.048	3.032	2.1	21.3
3 2	9 42.47	+ 8 36.3	2.064	3.024	5.6	21.5
3 12	9 35.18	+ 9 28.7	2.107	3.015	9.2	21.7
3 22	9 29.69	+10 14.0	2.176	3.006	12.4	21.9

163615 2002 TG_{281} 2 16.1 128°.76 0°.2/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 19.39	+11 49.8	2.448	3.251	11.6	20.3
1 22	10 14.30	+12 8.8	2.370	3.260	8.7	20.1
2 1	10 7.48	+12 35.5	2.317	3.268	5.4	19.9
2 11	9 59.51	+13 6.5	2.293	3.276	1.8	19.7
2 21	9 51.14	+13 37.7	2.300	3.284	1.9	19.7
3 2	9 43.17	+14 5.5	2.336	3.292	5.4	20.0
3 12	9 36.37	+14 26.7	2.401	3.300	8.6	20.2
3 22	9 31.27	+14 39.4	2.491	3.307	11.4	20.4

366710 2003 WP_{144} 2 16.1 104°.76 0°.9/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.11	+ 7 34.2	2.369	3.160	12.2	21.7
1 22	10 14.07	+ 7 58.3	2.299	3.179	9.3	21.5
2 1	10 7.32	+ 8 33.5	2.253	3.198	6.0	21.4
2 11	9 59.45	+ 9 16.4	2.236	3.217	2.4	21.1
2 21	9 51.22	+10 2.7	2.249	3.235	1.7	21.1
3 2	9 43.44	+10 47.9	2.293	3.252	5.2	21.4
3 12	9 36.86	+11 27.9	2.365	3.269	8.5	21.6
3 22	9 32.00	+12 0.1	2.462	3.286	11.3	21.8

449516 2014 HF 2 16.1 86°.65 0°.8/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.61	+10 14.6	1.336	2.166	17.9	21.3
1 22	10 17.21	+11 12.3	1.274	2.177	13.5	21.1
2 1	10 9.85	+12 28.2	1.233	2.189	8.3	20.8
2 11	10 0.43	+13 54.0	1.217	2.201	2.7	20.5
2 21	9 50.28	+15 19.5	1.228	2.212	3.3	20.6
3 2	9 40.92	+16 34.6	1.266	2.224	8.7	20.9
3 12	9 33.69	+17 32.2	1.328	2.235	13.5	21.2
3 22	9 29.37	+18 9.5	1.411	2.246	17.5	21.5

463286 2012 HH_{27} 2 16.1 274°.87 5°.1/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.10	+22 5.5	1.867	2.703	13.2	21.1
1 22	10 15.00	+23 37.4	1.782	2.689	10.0	20.9
2 1	10 8.41	+25 15.5	1.723	2.674	6.8	20.6
2 11	9 59.96	+26 50.6	1.691	2.660	5.1	20.5
2 21	9 50.65	+28 13.1	1.688	2.645	6.7	20.6
3 2	9 41.67	+29 15.3	1.712	2.630	10.0	20.7
3 12	9 34.22	+29 53.5	1.760	2.616	13.5	20.9
3 22	9 29.14	+30 7.8	1.829	2.601	16.6	21.1

142507 2002 TN_{36} 2 16.1 69°.08 2°.0/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.75	+ 5 26.6	1.608	2.412	16.5	20.4
1 22	10 16.01	+ 5 40.0	1.544	2.429	12.7	20.2
2 1	10 8.83	+ 6 11.0	1.503	2.447	8.4	20.0
2 11	10 0.02	+ 6 55.8	1.486	2.465	3.8	19.8
2 21	9 50.69	+ 7 48.6	1.497	2.482	2.6	19.7
3 2	9 42.05	+ 8 42.5	1.537	2.500	6.8	20.0
3 12	9 35.17	+ 9 31.1	1.602	2.518	11.0	20.3
3 22	9 30.72	+10 10.0	1.690	2.535	14.6	20.6

381273 2007 TX_{245} 2 16.1 91°.04 4°.3/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.67	− 3 3.0	2.591	3.326	12.8	21.2
1 22	10 15.04	− 3 22.9	2.523	3.354	10.4	21.1
2 1	10 7.83	− 3 27.6	2.478	3.382	7.7	21.0
2 11	9 59.62	− 3 17.5	2.460	3.410	5.3	20.9
2 21	9 51.11	− 2 54.7	2.472	3.437	4.3	20.8
3 2	9 43.04	− 2 22.4	2.514	3.463	5.5	20.9
3 12	9 36.12	− 1 45.1	2.585	3.489	7.9	21.1
3 22	9 30.80	− 1 6.8	2.682	3.515	10.2	21.3

68763 2002 ED_{96} 2 16.1 260°.80 3°.7/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.14	− 0 40.6	2.159	2.926	14.1	20.0
1 22	10 13.04	− 0 33.4	2.056	2.912	11.4	19.8
2 1	10 6.96	− 0 7.6	1.975	2.898	8.2	19.6
2 11	9 59.43	+ 0 35.7	1.920	2.884	5.1	19.3
2 21	9 51.21	+ 1 33.4	1.893	2.870	3.8	19.2
3 2	9 43.21	+ 2 40.3	1.896	2.856	6.1	19.3
3 12	9 36.36	+ 3 50.0	1.926	2.841	9.5	19.5
3 22	9 31.34	+ 4 56.5	1.981	2.827	12.8	19.7

354835 2005 YB 2 16.1 107°.73 1°.4/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.46	+ 7 6.8	1.583	2.387	16.7	21.8
1 22	10 18.86	+ 7 22.2	1.518	2.404	12.8	21.6
2 1	10 10.64	+ 7 53.8	1.474	2.421	8.3	21.3
2 11	10 0.66	+ 8 37.5	1.457	2.438	3.4	21.1
2 21	9 50.12	+ 9 27.0	1.468	2.453	2.5	21.1
3 2	9 40.32	+10 15.6	1.507	2.469	7.1	21.4
3 12	9 32.41	+10 57.3	1.572	2.484	11.5	21.7
3 22	9 27.11	+11 28.4	1.660	2.498	15.2	21.9

80958 2000 DM_{104} 2 16.1 29°.87 5°.0/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.20	+22 46.7	1.523	2.364	15.4	19.1
1 22	10 18.27	+23 37.1	1.459	2.368	11.7	18.9
2 1	10 10.44	+24 29.7	1.418	2.372	7.8	18.7
2 11	10 0.63	+25 15.1	1.403	2.376	5.1	18.5
2 21	9 50.14	+25 45.5	1.414	2.380	6.5	18.6
3 2	9 40.44	+25 55.4	1.452	2.385	10.2	18.9
3 12	9 32.83	+25 43.7	1.513	2.391	14.1	19.1
3 22	9 28.07	+25 12.7	1.594	2.396	17.4	19.3

340629 2006 QB_{125} 2 16.1 127°.27 2°.8/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 18.31	+ 2 13.4	2.549	3.316	12.1	21.2
1 22	10 13.45	+ 2 6.6	2.464	3.324	9.6	21.0
2 1	10 6.95	+ 2 12.6	2.404	3.331	6.7	20.8
2 11	9 59.36	+ 2 29.9	2.371	3.339	3.9	20.7
2 21	9 51.35	+ 2 56.2	2.367	3.346	2.9	20.6
3 2	9 43.69	+ 3 27.9	2.394	3.353	5.1	20.7
3 12	9 37.08	+ 4 1.1	2.450	3.360	8.0	20.9
3 22	9 32.05	+ 4 32.2	2.531	3.366	10.7	21.1

83599 2001 SE_{266} 2 16.1 354°.20 7°.1/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.26	+33 7.7	2.145	2.969	12.2	18.7
1 22	10 17.74	+34 4.9	2.081	2.968	9.8	18.5
2 1	10 9.86	+34 55.1	2.041	2.967	7.8	18.4
2 11	10 0.39	+35 30.8	2.028	2.967	7.1	18.3
2 21	9 50.40	+35 45.9	2.042	2.966	8.2	18.4
3 2	9 41.06	+35 37.8	2.083	2.966	10.4	18.5
3 12	9 33.39	+35 7.1	2.148	2.965	12.8	18.7
3 22	9 28.08	+34 17.1	2.233	2.966	15.1	18.8

151049 2001 UK_{221} 2 16.1 42°.56 1°.0/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.29	+ 7 58.4	1.498	2.318	16.8	20.4
1 22	10 15.09	+ 8 16.1	1.437	2.333	12.8	20.2
2 1	10 8.34	+ 8 50.2	1.398	2.348	8.2	20.0
2 11	9 59.89	+ 9 35.9	1.383	2.365	3.2	19.7
2 21	9 50.89	+10 26.6	1.396	2.381	2.4	19.7
3 2	9 42.63	+11 15.3	1.435	2.399	7.2	20.0
3 12	9 36.20	+11 56.0	1.500	2.416	11.6	20.3
3 22	9 32.29	+12 24.9	1.587	2.434	15.3	20.6

384237 2009 DU_{63} 2 16.1 294°.51 3°.2/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.74	+20 19.9	2.287	3.114	11.4	20.8
1 22	10 13.42	+21 10.2	2.202	3.105	8.6	20.6
2 1	10 7.13	+22 4.3	2.142	3.096	5.5	20.4
2 11	9 59.47	+22 56.6	2.111	3.087	3.3	20.2
2 21	9 51.24	+23 41.2	2.109	3.078	4.4	20.3
3 2	9 43.36	+24 13.4	2.136	3.069	7.4	20.4
3 12	9 36.70	+24 30.6	2.188	3.060	10.6	20.6
3 22	9 31.91	+24 32.4	2.264	3.052	13.3	20.8

93062 2000 SF_{22} 2 16.1 74°.10 4°.1/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.95	+19 20.6	1.430	2.267	16.4	19.4
1 22	10 19.46	+20 23.1	1.381	2.289	12.2	19.2
2 1	10 11.08	+21 30.8	1.355	2.311	7.7	19.0
2 11	10 0.81	+22 34.0	1.355	2.333	4.3	18.9
2 21	9 50.06	+23 23.7	1.382	2.355	5.7	19.0
3 2	9 40.31	+23 53.9	1.436	2.376	9.8	19.3
3 12	9 32.79	+24 2.7	1.514	2.397	13.7	19.6
3 22	9 28.18	+23 51.9	1.612	2.419	17.1	19.9

77687 2001 NT_{6} 2 16.1 214°.86 3°.2/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.58	+19 28.3	2.364	3.189	11.2	20.1
1 22	10 13.22	+20 38.7	2.284	3.186	8.4	19.9
2 1	10 6.98	+21 54.1	2.229	3.182	5.3	19.7
2 11	9 59.42	+23 8.3	2.203	3.179	3.2	19.5
2 21	9 51.31	+24 14.8	2.208	3.175	4.4	19.6
3 2	9 43.52	+25 8.5	2.241	3.171	7.4	19.8
3 12	9 36.92	+25 46.1	2.302	3.167	10.4	20.0
3 22	9 32.10	+26 6.8	2.385	3.163	13.0	20.2

495927 2005 YF_{146} 2 16.1 145°.73 3°.3/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.80	+20 28.7	2.384	3.203	11.3	21.8
1 22	10 15.51	+21 32.2	2.315	3.214	8.4	21.6
2 1	10 8.32	+22 38.9	2.272	3.223	5.4	21.5
2 11	9 59.85	+23 42.4	2.258	3.232	3.3	21.3
2 21	9 50.93	+24 37.0	2.275	3.241	4.5	21.4
3 2	9 42.46	+25 18.0	2.321	3.249	7.3	21.6
3 12	9 35.26	+25 43.2	2.394	3.256	10.2	21.8
3 22	9 29.93	+25 52.6	2.491	3.263	12.7	22.0

301333 2009 BX_{180} 2 16.1 281°.14 0°.2/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.71	+11 45.0	2.332	3.141	11.9	21.2
1 22	10 13.25	+12 5.9	2.244	3.137	9.0	21.0
2 1	10 6.96	+12 35.5	2.181	3.132	5.6	20.8
2 11	9 59.41	+13 10.2	2.145	3.128	1.9	20.6
2 21	9 51.35	+13 45.6	2.139	3.124	2.0	20.6
3 2	9 43.62	+14 17.7	2.163	3.120	5.7	20.8
3 12	9 37.04	+14 42.7	2.215	3.116	9.1	21.0
3 22	9 32.20	+14 58.6	2.290	3.112	12.1	21.2

491017 2011 OS_{1} 2 16.1 251°.08 5°.2/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.28	+ 0 45.4	1.525	2.311	18.1	21.4
1 22	10 18.41	+ 0 8.2	1.437	2.305	14.7	21.1
2 1	10 10.68	− 0 9.3	1.370	2.298	10.7	20.9
2 11	10 0.81	− 0 6.4	1.326	2.292	6.7	20.6
2 21	9 49.96	+ 0 14.8	1.309	2.285	5.3	20.5
3 2	9 39.53	+ 0 49.7	1.319	2.278	8.2	20.7
3 12	9 30.89	+ 1 31.1	1.353	2.271	12.5	20.9
3 22	9 25.00	+ 2 12.1	1.410	2.264	16.5	21.1

360699 2004 TM_{20} 2 16.1 43°.56 1°.4/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.60	+13 48.2	1.247	2.087	18.2	21.1
1 22	10 18.08	+14 13.2	1.191	2.100	13.7	20.9
2 1	10 10.42	+14 50.4	1.155	2.113	8.4	20.6
2 11	10 0.65	+15 32.6	1.143	2.127	2.9	20.3
2 21	9 50.23	+16 11.5	1.157	2.141	3.6	20.4
3 2	9 40.77	+16 39.9	1.197	2.155	9.0	20.8
3 12	9 33.63	+16 53.6	1.260	2.170	13.8	21.1
3 22	9 29.57	+16 51.5	1.343	2.186	17.8	21.4

369270 2009 PZ_{15} 2 16.1 194°.59 3°.3/19.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.98	− 2 7.0	2.457	3.206	13.0	22.5
1 22	10 13.39	− 1 33.8	2.358	3.203	10.5	22.4
2 1	10 7.03	− 0 41.7	2.282	3.200	7.6	22.2
2 11	9 59.44	+ 0 27.3	2.233	3.196	4.6	22.0
2 21	9 51.31	+ 1 49.4	2.215	3.192	3.3	21.9
3 2	9 43.43	+ 3 18.7	2.228	3.187	5.4	22.0
3 12	9 36.59	+ 4 48.7	2.270	3.181	8.5	22.2
3 22	9 31.39	+ 6 13.7	2.339	3.175	11.4	22.4

261897 2006 HV_{56} 2 16.1 313°.52 2°.5/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.02	+14 55.5	1.351	2.195	16.9	20.5
1 22	10 15.62	+15 45.6	1.269	2.180	12.8	20.2
2 1	10 9.14	+16 49.7	1.207	2.167	8.0	19.8
2 11	10 0.33	+18 0.0	1.171	2.153	3.2	19.5
2 21	9 50.41	+19 6.5	1.160	2.140	4.6	19.6
3 2	9 40.98	+19 59.7	1.174	2.128	9.8	19.8
3 12	9 33.54	+20 33.3	1.212	2.116	14.8	20.1
3 22	9 29.11	+20 45.4	1.269	2.104	19.1	20.3

156729 2002 VN_{118} 2 16.1 46°.37 5°.0/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.71	+21 17.3	1.128	1.979	19.0	19.6
1 22	10 21.47	+21 55.3	1.079	1.993	14.3	19.4
2 1	10 12.62	+22 36.5	1.051	2.008	9.2	19.1
2 11	10 1.40	+23 10.4	1.046	2.024	5.2	19.0
2 21	9 49.57	+23 27.6	1.066	2.040	6.7	19.1
3 2	9 39.03	+23 23.2	1.110	2.056	11.2	19.4
3 12	9 31.29	+22 57.1	1.177	2.073	15.8	19.7
3 22	9 27.09	+22 12.7	1.262	2.090	19.7	20.0

290288 2005 SV_{164} 2 16.1 163°.78 5°.4/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.08	+29 3.7	2.530	3.347	10.8	21.3
1 22	10 17.99	+30 13.9	2.465	3.354	8.4	21.2
2 1	10 9.87	+31 21.0	2.426	3.360	6.3	21.0
2 11	10 0.40	+32 18.1	2.417	3.366	5.4	21.0
2 21	9 50.44	+32 59.4	2.437	3.371	6.5	21.1
3 2	9 40.97	+33 21.7	2.486	3.375	8.7	21.2
3 12	9 32.88	+33 24.3	2.560	3.378	11.0	21.4
3 22	9 26.77	+33 8.9	2.657	3.381	13.1	21.5

5099 lainbanks 2 16.1 129°.93 0°.7/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.18	+11 50.0	1.741	2.559	14.9	17.3
1 22	10 16.37	+12 24.1	1.666	2.563	11.2	17.0
2 1	10 9.13	+13 10.2	1.614	2.568	6.9	16.8
2 11	10 0.21	+14 2.8	1.588	2.572	2.3	16.5
2 21	9 50.63	+14 55.2	1.592	2.576	2.7	16.5
3 2	9 41.60	+15 41.0	1.623	2.580	7.3	16.8
3 12	9 34.22	+16 15.4	1.681	2.583	11.4	17.1
3 22	9 29.21	+16 36.1	1.761	2.587	15.0	17.3

255967 2006 TE_{44} 2 16.1 10°.32 1°.7/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 16.36	+ 6 57.4	1.264	2.096	18.5	19.8
1 22	10 13.42	+ 7 4.2	1.197	2.099	14.3	19.5
2 1	10 7.60	+ 7 31.0	1.150	2.102	9.3	19.2
2 11	9 59.73	+ 8 13.9	1.126	2.107	4.0	18.9
2 21	9 51.09	+ 9 5.8	1.127	2.113	2.8	18.9
3 2	9 43.14	+ 9 58.6	1.153	2.120	8.0	19.2
3 12	9 37.22	+10 44.3	1.203	2.129	13.0	19.5
3 22	9 34.11	+11 17.7	1.273	2.138	17.2	19.8

439845 1998 RJ_{54} 2 16.1 89°.97 3°.5/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.59	+ 0 13.5	1.582	2.360	17.9	21.5
1 22	10 18.80	+ 0 37.2	1.527	2.392	14.1	21.3
2 1	10 10.50	+ 1 24.2	1.493	2.424	9.7	21.1
2 11	10 0.62	+ 2 30.4	1.484	2.455	5.3	20.9
2 21	9 50.32	+ 3 49.2	1.503	2.484	3.7	20.9
3 2	9 40.86	+ 5 12.0	1.552	2.514	6.9	21.2
3 12	9 33.31	+ 6 30.4	1.627	2.542	10.9	21.5
3 22	9 28.30	+ 7 38.3	1.726	2.569	14.5	21.7

291246 2006 BM_{51} 2 16.1 120°.82 0°.5/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.93	+11 58.3	2.088	2.898	13.0	21.5
1 22	10 15.03	+12 27.6	2.012	2.906	9.8	21.3
2 1	10 8.11	+13 6.5	1.961	2.913	6.0	21.1
2 11	9 59.82	+13 50.5	1.937	2.920	2.0	20.8
2 21	9 51.04	+14 34.2	1.943	2.927	2.3	20.8
3 2	9 42.72	+15 12.8	1.978	2.934	6.2	21.1
3 12	9 35.77	+15 42.4	2.041	2.941	9.9	21.3
3 22	9 30.80	+16 0.9	2.127	2.947	13.0	21.5

419301 2009 WG_{47} 2 16.1 46°.47 3°.8/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 20.92	+17 49.2	1.480	2.320	15.9	20.3
1 22	10 16.22	+19 14.5	1.444	2.354	11.7	20.2
2 1	10 8.94	+20 45.7	1.432	2.389	7.2	20.0
2 11	10 0.08	+22 12.5	1.446	2.424	4.0	19.9
2 21	9 50.88	+23 25.4	1.488	2.460	5.5	20.1
3 2	9 42.65	+24 18.1	1.556	2.495	9.2	20.4
3 12	9 36.43	+24 48.2	1.649	2.531	12.9	20.7
3 22	9 32.80	+24 56.9	1.763	2.567	15.9	20.9

28731 2000 GX_{123} 2 16.1 280°.80 8°.9/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.26	+33 8.4	1.744	2.578	14.1	18.3
1 22	10 19.25	+34 40.1	1.675	2.567	11.5	18.1
2 1	10 11.22	+36 6.2	1.630	2.556	9.4	17.9
2 11	10 1.01	+37 15.3	1.611	2.546	8.9	17.9
2 21	9 49.89	+37 58.0	1.617	2.535	10.4	17.9
3 2	9 39.40	+38 9.4	1.648	2.524	13.0	18.1
3 12	9 30.95	+37 49.7	1.701	2.514	15.9	18.2
3 22	9 25.44	+37 3.5	1.772	2.503	18.5	18.4

162447 2000 GJ_{118} 2 16.1 255°.85 0°.2/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.32	+10 9.9	2.190	2.996	12.6	20.8
1 22	10 13.85	+10 31.3	2.101	2.991	9.6	20.6
2 1	10 7.41	+11 3.2	2.035	2.986	6.1	20.4
2 11	9 59.61	+11 42.0	1.998	2.980	2.1	20.1
2 21	9 51.24	+12 23.3	1.990	2.975	1.9	20.1
3 2	9 43.20	+13 2.3	2.011	2.969	5.9	20.3
3 12	9 36.38	+13 34.7	2.059	2.964	9.5	20.6
3 22	9 31.42	+13 57.8	2.132	2.958	12.7	20.8

30582 2001 PJ_{3} 2 16.1 189°.66 0°.8/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.53	+12 5.5	2.020	2.831	13.3	19.7
1 22	10 15.65	+12 46.5	1.936	2.831	10.0	19.4
2 1	10 8.61	+13 38.2	1.877	2.830	6.2	19.2
2 11	10 0.04	+14 35.8	1.845	2.828	2.1	18.9
2 21	9 50.84	+15 32.9	1.843	2.826	2.6	19.0
3 2	9 42.05	+16 23.8	1.870	2.824	6.7	19.2
3 12	9 34.65	+17 3.8	1.924	2.821	10.5	19.4
3 22	9 29.33	+17 30.6	2.002	2.818	13.8	19.6

213386 2001 UV_{96} 2 16.1 55°.81 1°.1/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.47	+13 37.4	2.053	2.871	12.9	20.4
1 22	10 13.88	+14 12.4	1.992	2.890	9.6	20.2
2 1	10 7.34	+14 55.4	1.955	2.909	5.9	20.0
2 11	9 59.54	+15 41.4	1.945	2.928	2.0	19.8
2 21	9 51.37	+16 25.0	1.965	2.948	2.6	19.9
3 2	9 43.75	+17 1.3	2.014	2.967	6.4	20.2
3 12	9 37.53	+17 27.1	2.090	2.987	9.8	20.4
3 22	9 33.25	+17 40.9	2.189	3.007	12.7	20.6

323829 2005 SE_{44} 2 16.1 75°.06 3°.2/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.87	+ 1 53.0	1.803	2.589	15.7	21.0
1 22	10 14.50	+ 1 59.4	1.728	2.599	12.4	20.8
2 1	10 7.90	+ 2 24.7	1.675	2.609	8.6	20.6
2 11	9 59.79	+ 3 6.8	1.648	2.619	4.8	20.4
2 21	9 51.11	+ 4 0.9	1.648	2.629	3.4	20.3
3 2	9 42.95	+ 5 0.9	1.677	2.639	6.4	20.5
3 12	9 36.28	+ 6 0.1	1.732	2.649	10.2	20.8
3 22	9 31.78	+ 6 52.8	1.811	2.659	13.7	21.0

350864 2002 NS_{79} 2 16.1 239°.77 4°.8/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.60	+21 57.6	1.737	2.571	14.2	20.7
1 22	10 17.71	+23 4.9	1.660	2.565	10.7	20.4
2 1	10 10.13	+24 16.5	1.606	2.558	7.1	20.2
2 11	10 0.62	+25 23.7	1.579	2.551	4.8	20.0
2 21	9 50.29	+26 17.8	1.580	2.544	6.3	20.1
3 2	9 40.48	+26 52.3	1.608	2.537	9.9	20.3
3 12	9 32.43	+27 4.7	1.661	2.529	13.6	20.5
3 22	9 26.97	+26 55.8	1.735	2.521	16.8	20.7

56361 2000 CW_{1} 2 16.1 247°.95 0°.7/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.52	+ 9 3.2	1.689	2.496	15.7	18.9
1 22	10 18.49	+ 9 17.0	1.592	2.482	12.1	18.6
2 1	10 10.71	+ 9 45.4	1.517	2.466	7.8	18.3
2 11	10 0.87	+10 24.6	1.468	2.450	3.0	18.0
2 21	9 50.01	+11 9.1	1.448	2.433	2.4	17.9
3 2	9 39.46	+11 52.5	1.456	2.416	7.5	18.2
3 12	9 30.54	+12 28.7	1.490	2.398	12.2	18.4
3 22	9 24.18	+12 54.0	1.546	2.380	16.4	18.6

108625 2001 MM_{28} 2 16.1 217°.50 1°.3/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.54	+ 7 47.9	2.311	3.095	12.7	20.4
1 22	10 17.70	+ 7 45.2	2.210	3.086	9.8	20.2
2 1	10 9.81	+ 7 52.8	2.134	3.076	6.5	20.0
2 11	10 0.46	+ 8 8.4	2.087	3.066	2.8	19.7
2 21	9 50.46	+ 8 28.9	2.070	3.054	2.0	19.6
3 2	9 40.74	+ 8 50.7	2.084	3.043	5.7	19.9
3 12	9 32.24	+ 9 10.1	2.126	3.030	9.3	20.1
3 22	9 25.62	+ 9 24.2	2.194	3.017	12.5	20.2

34757 2001 QX_{139} 2 16.1 56°.46 1°.8/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.19	+16 56.3	1.585	2.411	15.7	17.6
1 22	10 20.11	+17 1.4	1.528	2.430	11.7	17.4
2 1	10 11.38	+17 11.8	1.494	2.449	7.2	17.1
2 11	10 0.95	+17 22.0	1.486	2.468	2.7	16.9
2 21	9 50.11	+17 26.7	1.506	2.488	3.5	17.0
3 2	9 40.18	+17 22.3	1.554	2.507	7.9	17.3
3 12	9 32.30	+17 7.0	1.628	2.527	12.0	17.6
3 22	9 27.11	+16 41.4	1.724	2.547	15.4	17.9

279211 2009 UK_{41} 2 16.1 136°.87 1°.1/15.1 18

1 12	10 21.13	+13 46.1	2.337	3.144	11.9	22.0
1 22	10 15.71	+14 23.2	2.263	3.156	8.9	21.8
2 1	10 8.44	+15 7.6	2.216	3.168	5.4	21.6
2 11	9 59.94	+15 54.7	2.197	3.180	1.9	21.4
2 21	9 51.01	+16 39.4	2.209	3.191	2.5	21.4
3 2	9 42.54	+17 17.4	2.251	3.202	6.0	21.7
3 12	9 35.34	+17 45.3	2.321	3.211	9.3	21.9
3 22	9 29.97	+18 2.0	2.416	3.221	12.1	22.1

63661 2001 QC_{120} 2 16.1 96°.77 0°.7/16.8 18

1 12	10 15.90	+ 6 56.1	2.314	3.111	12.3	19.0
1 22	10 11.88	+ 7 40.0	2.233	3.117	9.4	18.8
2 1	10 6.11	+ 8 37.1	2.177	3.123	6.0	18.6
2 11	9 59.16	+ 9 43.6	2.149	3.130	2.3	18.4
2 21	9 51.75	+10 54.1	2.150	3.136	1.7	18.4
3 2	9 44.70	+12 3.1	2.182	3.142	5.4	18.6
3 12	9 38.77	+13 5.3	2.242	3.148	8.8	18.8
3 22	9 34.51	+13 57.1	2.326	3.154	11.8	19.0

28785 Woodjohn 2 16.1 200°.10 0°.1/16.0 18

1 12	10 19.99	+10 29.5	1.876	2.688	14.2	18.7
1 22	10 15.39	+11 0.1	1.794	2.687	10.8	18.5
2 1	10 8.52	+11 43.3	1.734	2.686	6.7	18.2
2 11	10 0.04	+12 34.2	1.702	2.685	2.3	18.0
2 21	9 50.91	+13 27.0	1.698	2.683	2.3	18.0
3 2	9 42.21	+14 15.6	1.724	2.682	6.7	18.2
3 12	9 34.98	+14 54.9	1.775	2.680	10.8	18.5
3 22	9 29.94	+15 22.1	1.850	2.678	14.3	18.7

240094 2002 CG_{69} 2 16.1 62°.65 2°.0/14.8 18

1 12	10 22.22	+13 49.2	1.337	2.173	17.4	20.3
1 22	10 17.62	+14 41.7	1.282	2.190	13.0	20.1
2 1	10 10.08	+15 46.9	1.249	2.207	8.0	19.9
2 11	10 0.58	+16 56.1	1.241	2.224	2.9	19.6
2 21	9 50.48	+17 59.8	1.260	2.241	4.0	19.7
3 2	9 41.27	+18 49.8	1.305	2.259	8.9	20.1
3 12	9 34.25	+19 21.5	1.374	2.276	13.5	20.4
3 22	9 30.13	+19 34.0	1.463	2.294	17.3	20.6

380109 2013 TS_{32} 2 16.1 172°.07 0°.8/16.9 17

1 12	10 19.44	+ 7 8.7	2.629	3.412	11.4	22.9
1 22	10 14.32	+ 7 39.2	2.540	3.417	8.7	22.7
2 1	10 7.55	+ 8 20.9	2.477	3.420	5.6	22.5
2 11	9 59.66	+ 9 10.4	2.443	3.423	2.3	22.3
2 21	9 51.31	+10 3.9	2.440	3.425	1.6	22.2
3 2	9 43.27	+10 56.7	2.468	3.427	5.0	22.5
3 12	9 36.26	+11 44.8	2.526	3.427	8.1	22.7
3 22	9 30.83	+12 25.1	2.609	3.427	10.9	22.8

373910 2003 UV_{92} 2 16.1 100°.40 3°.8/12.7 18

1 12	10 22.13	+22 45.1	2.208	3.032	11.9	20.8
1 22	10 16.59	+23 32.7	2.147	3.047	8.9	20.6
2 1	10 9.03	+24 21.1	2.111	3.061	5.9	20.4
2 11	10 0.17	+25 3.8	2.104	3.076	3.9	20.3
2 21	9 50.90	+25 35.5	2.126	3.090	5.0	20.4
3 2	9 42.22	+25 52.6	2.178	3.104	7.8	20.6
3 12	9 35.00	+25 53.8	2.255	3.118	10.7	20.8
3 22	9 29.82	+25 40.0	2.355	3.131	13.2	21.0

461447 2002 GY_{62} 2 16.1 347°.24 2°.5/14.4 18

1 12	10 18.34	+16 37.4	1.527	2.368	15.4	20.4
1 22	10 14.68	+17 12.7	1.451	2.361	11.6	20.2
2 1	10 8.33	+17 56.7	1.396	2.355	7.2	19.9
2 11	10 0.04	+18 42.6	1.367	2.349	3.1	19.6
2 21	9 50.96	+19 22.8	1.365	2.345	4.3	19.7
3 2	9 42.44	+19 50.8	1.389	2.341	8.8	20.0
3 12	9 35.73	+20 2.7	1.437	2.338	13.1	20.2
3 22	9 31.65	+19 57.6	1.506	2.336	16.9	20.4

367528 2009 QE_{19} 2 16.1 202°.81 0°.1/16.0 13 C

1 12	10 19.98	+10 0.0	2.331	3.130	12.2	22.8
1 22	10 15.02	+10 39.4	2.238	3.125	9.2	22.6
2 1	10 8.15	+11 30.0	2.170	3.120	5.8	22.4
2 11	9 59.92	+12 27.7	2.131	3.114	2.0	22.1
2 21	9 51.09	+13 27.2	2.123	3.107	2.0	22.1
3 2	9 42.57	+14 23.4	2.144	3.100	5.8	22.4
3 12	9 35.20	+15 11.5	2.195	3.092	9.4	22.6
3 22	9 29.63	+15 48.6	2.269	3.084	12.5	22.8

492788 2014 QM_{232} 2 16.1 218°.35 1°.0/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.74	+13 7.8	1.970	2.780	13.7	22.7
1 22	10 18.24	+13 39.2	1.878	2.771	10.4	22.4
2 1	10 10.35	+14 20.5	1.809	2.762	6.5	22.2
2 11	10 0.72	+15 6.8	1.768	2.751	2.2	21.9
2 21	9 50.31	+15 52.2	1.757	2.740	2.7	21.9
3 2	9 40.27	+16 30.8	1.776	2.729	7.1	22.1
3 12	9 31.68	+16 58.6	1.821	2.716	11.1	22.4
3 22	9 25.35	+17 13.4	1.890	2.703	14.6	22.6

8275 Inca 2 16.1 334°.16 3°.2/14.2 18

1 12	10 19.77	+15 31.8	1.138	1.992	18.7	17.3
1 22	10 16.61	+16 28.3	1.068	1.985	14.1	17.0
2 1	10 9.96	+17 40.0	1.017	1.978	8.8	16.7
2 11	10 0.71	+18 57.0	0.990	1.972	3.8	16.4
2 21	9 50.32	+20 7.2	0.987	1.967	5.4	16.5
3 2	9 40.63	+20 59.8	1.008	1.962	11.0	16.8
3 12	9 33.33	+21 28.7	1.051	1.958	16.3	17.0
3 22	9 29.46	+21 33.0	1.111	1.954	20.8	17.3

134331 3139 $T\text{-}_3$ 2 16.1 150°.13 0°.6/15.5 18

1 12	10 19.03	+12 41.2	2.421	3.228	11.6	20.4
1 22	10 14.15	+13 10.9	2.341	3.233	8.7	20.2
2 1	10 7.50	+13 48.4	2.286	3.238	5.3	20.0
2 11	9 59.66	+14 29.8	2.260	3.243	1.8	19.7
2 21	9 51.38	+15 10.5	2.263	3.247	2.1	19.8
3 2	9 43.47	+15 46.2	2.297	3.251	5.7	20.0
3 12	9 36.72	+16 13.8	2.360	3.255	8.9	20.2
3 22	9 31.69	+16 31.3	2.446	3.259	11.7	20.4

245128 2004 RE_{66} 2 16.1 96°.80 1°.5/17.2 18

1 12	10 21.47	+ 6 10.9	1.521	2.330	17.1	20.7
1 22	10 16.84	+ 6 34.8	1.451	2.340	13.2	20.4
2 1	10 9.56	+ 7 17.5	1.403	2.350	8.6	20.2
2 11	10 0.44	+ 8 14.5	1.380	2.360	3.6	19.9
2 21	9 50.64	+ 9 19.0	1.384	2.369	2.5	19.9
3 2	9 41.49	+10 23.0	1.416	2.379	7.3	20.2
3 12	9 34.19	+11 19.2	1.473	2.388	11.8	20.5
3 22	9 29.48	+12 3.0	1.553	2.397	15.8	20.7

226731 2004 PP_{98} 2 16.1 175°.82 2°.9/13.1 18

1 12	10 20.87	+19 50.1	2.555	3.370	10.7	21.3
1 22	10 15.53	+20 46.5	2.476	3.373	8.0	21.1
2 1	10 8.37	+21 46.4	2.424	3.375	5.1	20.9
2 11	9 59.97	+22 44.2	2.401	3.377	3.0	20.7
2 21	9 51.09	+23 34.7	2.409	3.378	4.0	20.8
3 2	9 42.57	+24 13.4	2.447	3.378	6.8	21.0
3 12	9 35.22	+24 38.0	2.513	3.377	9.6	21.2
3 22	9 29.60	+24 48.1	2.603	3.376	12.2	21.3

38075 1999 GN_{21} 2 16.1 287°.32 2°.3/18.3 18

1 12	10 16.48	+ 3 12.8	2.329	3.110	12.8	18.8
1 22	10 12.52	+ 3 25.0	2.216	3.086	10.1	18.5
2 1	10 6.68	+ 3 52.2	2.127	3.062	7.0	18.3
2 11	9 59.45	+ 4 32.8	2.065	3.038	3.7	18.0
2 21	9 51.53	+ 5 23.5	2.031	3.014	2.6	17.9
3 2	9 43.75	+ 6 19.5	2.028	2.990	5.6	18.1
3 12	9 36.98	+ 7 15.5	2.052	2.965	9.1	18.2
3 22	9 31.90	+ 8 6.8	2.101	2.941	12.4	18.4

176741 2002 RX_{74} 2 16.1 87°.10 0°.5/16.5 18

1 12	10 22.18	+ 8 55.5	1.715	2.524	15.5	20.9
1 22	10 17.00	+ 9 22.5	1.652	2.543	11.7	20.7
2 1	10 9.45	+10 3.4	1.613	2.563	7.4	20.5
2 11	10 0.36	+10 53.1	1.600	2.582	2.7	20.3
2 21	9 50.78	+11 45.5	1.615	2.601	2.2	20.3
3 2	9 41.88	+12 34.2	1.659	2.619	6.7	20.6
3 12	9 34.70	+13 14.0	1.730	2.638	10.8	20.9
3 22	9 29.87	+13 42.1	1.823	2.656	14.3	21.1

160196 2001 YT_{84} 2 16.1 32°.78 4°.7/12.5 18

1 12	10 17.56	+18 41.1	1.320	2.173	16.6	20.2
1 22	10 14.22	+20 14.8	1.274	2.191	12.3	20.0
2 1	10 8.00	+21 56.1	1.251	2.210	7.8	19.8
2 11	9 59.90	+23 33.2	1.253	2.230	4.8	19.6
2 21	9 51.22	+24 54.8	1.280	2.250	6.5	19.8
3 2	9 43.43	+25 52.7	1.334	2.271	10.6	20.1
3 12	9 37.74	+26 24.0	1.409	2.294	14.5	20.4
3 22	9 34.84	+26 29.9	1.505	2.316	17.8	20.6

146496 2001 SL_{27} 2 16.1 52°.64 0°.1/16.2 18

1 12	10 19.57	+ 9 59.9	1.729	2.545	15.0	20.3
1 22	10 15.21	+10 28.4	1.652	2.548	11.4	20.0
2 1	10 8.47	+11 10.4	1.598	2.551	7.2	19.8
2 11	10 0.07	+12 1.2	1.571	2.554	2.5	19.5
2 21	9 51.01	+12 54.5	1.572	2.557	2.3	19.5
3 2	9 42.48	+13 43.7	1.601	2.561	7.0	19.8
3 12	9 35.53	+14 23.5	1.656	2.564	11.2	20.0
3 22	9 30.91	+14 50.6	1.733	2.568	14.8	20.3

468674 2009 CL_{64} 2 16.1 115°.03 1°.3/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 15.75	+ 4 52.4	2.480	3.265	11.9	21.3
1 22	10 11.66	+ 5 30.2	2.397	3.273	9.2	21.1
2 1	10 5.94	+ 6 21.5	2.339	3.280	6.0	20.9
2 11	9 59.14	+ 7 23.1	2.310	3.288	2.7	20.7
2 21	9 51.91	+ 8 30.5	2.310	3.295	1.8	20.6
3 2	9 45.00	+ 9 38.3	2.340	3.302	5.0	20.9
3 12	9 39.14	+10 41.7	2.400	3.309	8.2	21.1
3 22	9 34.83	+11 36.8	2.485	3.315	11.0	21.3

303264 2004 RV_{105} 2 16.1 156°.31 1°.7/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.39	+ 6 22.1	1.870	2.661	15.1	21.8
1 22	10 18.63	+ 6 27.7	1.790	2.668	11.7	21.6
2 1	10 10.51	+ 6 47.6	1.733	2.675	7.7	21.4
2 11	10 0.76	+ 7 19.0	1.703	2.681	3.5	21.1
2 21	9 50.38	+ 7 57.2	1.702	2.687	2.4	21.1
3 2	9 40.52	+ 8 37.0	1.731	2.691	6.5	21.3
3 12	9 32.24	+ 9 13.1	1.787	2.696	10.5	21.6
3 22	9 26.25	+ 9 41.8	1.867	2.699	14.0	21.8

371619 2006 XU_{70} 2 16.1 343°.31 0°.7/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.16	+11 30.8	1.591	2.418	15.6	21.2
1 22	10 14.42	+12 7.0	1.511	2.414	11.8	20.9
2 1	10 8.12	+12 57.1	1.455	2.410	7.3	20.7
2 11	9 59.99	+13 55.6	1.423	2.407	2.5	20.3
2 21	9 51.08	+14 55.0	1.419	2.404	2.8	20.4
3 2	9 42.67	+15 47.9	1.443	2.402	7.7	20.6
3 12	9 35.94	+16 28.4	1.491	2.399	12.2	20.9
3 22	9 31.69	+16 53.5	1.561	2.398	16.1	21.1

322872 2001 UA_{217} 2 16.1 137°.22 0°.8/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.35	+ 8 5.1	2.022	2.821	13.8	21.7
1 22	10 15.44	+ 8 28.9	1.943	2.829	10.5	21.5
2 1	10 8.45	+ 9 5.7	1.889	2.836	6.7	21.2
2 11	10 0.03	+ 9 51.6	1.861	2.842	2.6	21.0
2 21	9 51.08	+10 41.5	1.863	2.849	2.0	21.0
3 2	9 42.58	+11 29.9	1.895	2.855	6.0	21.2
3 12	9 35.46	+12 12.0	1.954	2.861	9.8	21.5
3 22	9 30.38	+12 44.4	2.037	2.866	13.1	21.7

88751 2001 SA_{56} 2 16.1 315°.45 3°.2/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 15.41	+ 0 12.0	1.668	2.459	16.6	19.0
1 22	10 12.29	+ 0 46.9	1.576	2.450	13.3	18.7
2 1	10 6.79	+ 1 47.0	1.506	2.441	9.3	18.4
2 11	9 59.55	+ 3 9.9	1.460	2.432	5.1	18.2
2 21	9 51.49	+ 4 49.4	1.441	2.424	3.4	18.0
3 2	9 43.76	+ 6 36.4	1.450	2.416	6.9	18.2
3 12	9 37.50	+ 8 20.8	1.486	2.408	11.2	18.5
3 22	9 33.51	+ 9 54.1	1.545	2.401	15.2	18.7

449101 2012 UO_{162} 2 16.1 114°.43 5°.7/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.99	+23 26.9	1.455	2.291	16.3	21.4
1 22	10 21.99	+24 34.0	1.399	2.304	12.3	21.2
2 1	10 12.85	+25 42.6	1.365	2.316	8.3	21.0
2 11	10 1.59	+26 41.8	1.358	2.328	5.8	20.9
2 21	9 49.67	+27 22.3	1.377	2.339	7.3	21.0
3 2	9 38.73	+27 38.6	1.423	2.351	11.0	21.2
3 12	9 30.14	+27 30.3	1.493	2.361	14.8	21.5
3 22	9 24.67	+27 0.6	1.582	2.371	18.1	21.7

461418 2001 TY_{214} 2 16.1 78°.91 5°.2/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.02	+26 0.9	1.762	2.587	14.4	20.7
1 22	10 22.13	+26 33.3	1.708	2.606	11.0	20.5
2 1	10 12.60	+27 2.4	1.678	2.624	7.5	20.4
2 11	10 1.42	+27 20.7	1.675	2.642	5.3	20.3
2 21	9 49.87	+27 22.6	1.700	2.660	6.4	20.4
3 2	9 39.30	+27 5.4	1.754	2.678	9.4	20.6
3 12	9 30.81	+26 30.0	1.833	2.696	12.7	20.8
3 22	9 25.04	+25 39.8	1.933	2.714	15.5	21.1

405953 2006 SX_{4} 2 16.1 124°.40 1°.2/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.76	+ 6 50.5	2.162	2.948	13.4	22.6
1 22	10 17.01	+ 7 9.6	2.090	2.967	10.3	22.4
2 1	10 9.29	+ 7 41.1	2.043	2.986	6.6	22.2
2 11	10 0.30	+ 8 21.8	2.024	3.003	2.8	22.0
2 21	9 50.87	+ 9 7.0	2.035	3.020	2.0	22.0
3 2	9 41.97	+ 9 51.8	2.077	3.036	5.6	22.3
3 12	9 34.44	+10 31.8	2.146	3.052	9.2	22.5
3 22	9 28.87	+11 3.8	2.241	3.066	12.2	22.7

143347 2003 AR_{80} 2 16.1 71°.79 11°.8/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.25	+39 50.9	1.691	2.515	14.9	19.4
1 22	10 20.96	+42 43.5	1.672	2.541	12.9	19.3
2 1	10 12.36	+45 18.5	1.679	2.566	11.8	19.3
2 11	10 1.46	+47 22.0	1.711	2.592	12.1	19.4
2 21	9 49.78	+48 45.3	1.767	2.617	13.5	19.5
3 2	9 39.07	+49 26.1	1.846	2.642	15.4	19.7
3 12	9 30.81	+49 28.5	1.943	2.667	17.2	19.9
3 22	9 25.82	+48 59.8	2.055	2.691	18.8	20.1

488698 2003 XV_{10} 2 16.1 177°.49 5°.0/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 49.08	+20 26.0	1.601	2.390	17.2	23.1
1 22	10 38.13	+21 52.4	1.519	2.401	13.2	22.9
2 1	10 23.20	+23 25.1	1.463	2.407	8.6	22.6
2 11	10 5.28	+24 51.1	1.438	2.410	5.1	22.4
2 21	9 46.14	+25 57.7	1.446	2.410	6.7	22.5
3 2	9 27.90	+26 36.5	1.485	2.407	11.1	22.8
3 12	9 12.47	+26 46.8	1.553	2.399	15.5	23.0
3 22	9 0.96	+26 32.9	1.643	2.389	19.2	23.2

224315 2005 UH_{28} 2 16.1 132°.83 1°.2/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.96	+13 48.4	1.978	2.794	13.4	20.9
1 22	10 15.98	+14 23.3	1.903	2.800	10.0	20.7
2 1	10 8.82	+15 6.9	1.852	2.806	6.2	20.5
2 11	10 0.18	+15 54.1	1.828	2.811	2.2	20.2
2 21	9 50.98	+16 39.0	1.834	2.817	2.8	20.3
3 2	9 42.29	+17 16.3	1.869	2.822	6.8	20.5
3 12	9 35.06	+17 42.3	1.931	2.827	10.6	20.8
3 22	9 29.95	+17 55.4	2.016	2.831	13.8	21.0

145586 2006 PD_{16} 2 16.1 170°.97 1°.6/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.84	+14 54.9	2.146	2.957	12.7	21.0
1 22	10 17.27	+15 36.0	2.066	2.961	9.5	20.8
2 1	10 9.59	+16 24.8	2.011	2.964	5.8	20.5
2 11	10 0.44	+17 15.8	1.985	2.967	2.2	20.3
2 21	9 50.74	+18 3.3	1.989	2.969	3.0	20.4
3 2	9 41.48	+18 42.2	2.022	2.970	6.8	20.6
3 12	9 33.61	+19 9.0	2.084	2.971	10.3	20.8
3 22	9 27.78	+19 22.5	2.169	2.971	13.4	21.0

114956 2003 QG_{59} 2 16.2 119°.87 1°.4/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.70	+12 34.9	1.763	2.581	14.7	19.8
1 22	10 16.73	+13 33.6	1.695	2.594	11.0	19.6
2 1	10 9.37	+14 44.4	1.652	2.606	6.7	19.4
2 11	10 0.39	+16 0.1	1.635	2.618	2.4	19.1
2 21	9 50.82	+17 12.9	1.648	2.630	3.2	19.2
3 2	9 41.85	+18 15.6	1.689	2.641	7.5	19.5
3 12	9 34.54	+19 3.2	1.756	2.651	11.5	19.7
3 22	9 29.57	+19 33.9	1.847	2.661	14.9	20.0

57304 2001 QV_{198} 2 16.2 116°.35 2°.2/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 16.80	+ 2 31.7	2.647	3.416	11.7	19.5
1 22	10 12.30	+ 2 49.3	2.567	3.430	9.2	19.3
2 1	10 6.29	+ 3 20.1	2.511	3.443	6.3	19.2
2 11	9 59.27	+ 4 1.8	2.484	3.455	3.4	19.0
2 21	9 51.88	+ 4 51.0	2.486	3.468	2.3	18.9
3 2	9 44.84	+ 5 43.6	2.519	3.480	4.7	19.1
3 12	9 38.79	+ 6 35.1	2.581	3.492	7.6	19.3
3 22	9 34.22	+ 7 21.9	2.669	3.503	10.2	19.5

502453 2015 BZ_{292} 2 16.2 31°.46 3°.3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.17	+21 18.5	1.919	2.746	13.3	20.4
1 22	10 17.66	+21 36.1	1.851	2.753	10.0	20.2
2 1	10 9.85	+21 54.9	1.807	2.760	6.4	20.0
2 11	10 0.53	+22 9.2	1.790	2.767	3.5	19.8
2 21	9 50.73	+22 14.2	1.802	2.775	4.5	19.9
3 2	9 41.59	+22 6.5	1.842	2.784	7.9	20.1
3 12	9 34.13	+21 45.3	1.909	2.792	11.3	20.3
3 22	9 28.96	+21 11.7	1.998	2.801	14.3	20.5

26347 1998 XU_{93} 2 16.2 124°.10 4°.5/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.53	− 3 56.9	2.105	2.851	15.0	18.3
1 22	10 14.72	− 3 44.6	2.026	2.866	12.2	18.2
2 1	10 7.96	− 3 11.1	1.970	2.881	9.0	18.0
2 11	9 59.88	− 2 17.8	1.939	2.894	6.0	17.8
2 21	9 51.31	− 1 8.7	1.937	2.908	4.5	17.7
3 2	9 43.19	+ 0 10.3	1.964	2.921	6.2	17.9
3 12	9 36.37	+ 1 32.0	2.020	2.933	9.2	18.1
3 22	9 31.45	+ 2 50.0	2.100	2.945	12.2	18.3

221244 2005 UB_{227} 2 16.2 156°.88 1°.9/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.42	+15 15.5	1.889	2.712	13.7	20.6
1 22	10 15.73	+15 56.9	1.812	2.713	10.2	20.4
2 1	10 8.76	+16 46.8	1.759	2.714	6.3	20.2
2 11	10 0.19	+17 39.1	1.733	2.715	2.5	19.9
2 21	9 51.00	+18 27.6	1.735	2.716	3.4	20.0
3 2	9 42.30	+19 6.3	1.767	2.716	7.4	20.2
3 12	9 35.11	+19 31.5	1.824	2.717	11.2	20.5
3 22	9 30.14	+19 42.0	1.904	2.717	14.5	20.7

31432 1999 BY_{12} 2 16.2 211°.93 3°.6/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.36	− 0 50.0	2.953	3.692	11.3	19.1
1 22	10 14.93	− 1 12.3	2.847	3.684	9.1	18.9
2 1	10 7.94	− 1 22.6	2.765	3.676	6.7	18.7
2 11	9 59.87	− 1 21.3	2.712	3.668	4.5	18.6
2 21	9 51.30	− 1 9.6	2.689	3.658	3.6	18.5
3 2	9 42.93	− 0 49.8	2.697	3.649	5.1	18.6
3 12	9 35.43	− 0 25.2	2.735	3.638	7.5	18.7
3 22	9 29.34	+ 0 0.9	2.799	3.628	10.0	18.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
146124 2000 RN_{29}			2 16.2 188°.32		0°.2/15.9 18	
	h m	° ′			°	m
1 12	10 20.15	+12 31.3	3.116	3.908	9.6	20.4
1 22	10 14.64	+12 39.1	3.023	3.907	7.2	20.2
2 1	10 7.68	+12 52.2	2.957	3.905	4.5	20.0
2 11	9 59.75	+13 8.0	2.921	3.903	1.5	19.8
2 21	9 51.44	+13 23.9	2.916	3.901	1.5	19.8
3 2	9 43.41	+13 37.3	2.944	3.898	4.5	20.0
3 12	9 36.28	+13 46.0	3.001	3.895	7.3	20.2
3 22	9 30.53	+13 48.7	3.084	3.891	9.7	20.3
453262 2008 SA_{196}			2 16.2 75°.11		3°.8/18.9 18	
1 12	10 20.23	+ 1 5.0	1.428	2.225	18.6	21.7
1 22	10 16.08	+ 1 14.4	1.358	2.234	14.8	21.4
2 1	10 9.19	+ 1 48.4	1.307	2.243	10.3	21.2
2 11	10 0.39	+ 2 44.4	1.281	2.253	5.7	21.0
2 21	9 50.84	+ 3 56.4	1.280	2.262	4.0	20.9
3 2	9 41.93	+ 5 15.5	1.306	2.271	7.6	21.1
3 12	9 34.92	+ 6 32.3	1.358	2.281	12.0	21.4
3 22	9 30.58	+ 7 39.4	1.432	2.290	16.1	21.6
280407 2003 WY_{53}			2 16.2 40°.23		3°.0/18.6 18	
1 12	10 18.66	+ 2 58.4	2.053	2.835	14.2	20.7
1 22	10 14.19	+ 2 51.2	1.968	2.837	11.2	20.5
2 1	10 7.70	+ 2 59.3	1.906	2.839	7.8	20.3
2 11	9 59.82	+ 3 20.9	1.870	2.842	4.3	20.1
2 21	9 51.37	+ 3 53.1	1.863	2.844	3.1	20.0
3 2	9 43.31	+ 4 31.2	1.885	2.846	5.9	20.2
3 12	9 36.55	+ 5 10.3	1.934	2.849	9.5	20.4
3 22	9 31.72	+ 5 45.7	2.007	2.851	12.7	20.6
465135 2006 YV_{26}			2 16.2 52°.87		3°.3/13.6 16	
1 12	10 20.29	+17 36.1	1.587	2.424	15.1	21.3
1 22	10 15.93	+18 38.3	1.526	2.435	11.3	21.0
2 1	10 8.98	+19 48.2	1.489	2.446	7.0	20.8
2 11	10 0.28	+20 57.3	1.477	2.457	3.6	20.6
2 21	9 50.98	+21 57.1	1.494	2.469	4.9	20.7
3 2	9 42.38	+22 40.8	1.537	2.481	8.9	21.0
3 12	9 35.63	+23 5.2	1.605	2.493	12.8	21.3
3 22	9 31.41	+23 10.1	1.694	2.505	16.2	21.5
465034 2006 PK_{3}			2 16.2 163°.76		1°.6/14.1 17	
1 12	10 17.30	+16 3.4	3.130	3.937	9.2	22.4
1 22	10 12.55	+16 57.1	3.050	3.943	6.8	22.2
2 1	10 6.40	+17 55.6	2.996	3.949	4.2	22.0
2 11	9 59.32	+18 54.9	2.974	3.954	1.8	21.9
2 21	9 51.87	+19 50.7	2.982	3.959	2.6	21.9
3 2	9 44.69	+20 39.4	3.022	3.963	5.2	22.1
3 12	9 38.37	+21 18.2	3.091	3.966	7.7	22.3
3 22	9 33.39	+21 45.9	3.185	3.969	9.9	22.5
61072 2000 LW_{8}			2 16.2 182°.49		2°.6/18.2 18	
1 12	10 22.68	+ 3 14.7	1.952	2.731	14.9	20.2
1 22	10 17.36	+ 3 24.5	1.863	2.732	11.7	19.9
2 1	10 9.77	+ 3 51.3	1.797	2.733	8.0	19.7
2 11	10 0.57	+ 4 32.8	1.759	2.732	4.2	19.5
2 21	9 50.68	+ 5 24.6	1.749	2.731	2.9	19.4
3 2	9 41.18	+ 6 21.0	1.768	2.729	6.3	19.6
3 12	9 33.12	+ 7 15.9	1.816	2.727	10.2	19.8
3 22	9 27.21	+ 8 4.2	1.888	2.724	13.7	20.0
224473 2005 VU_{71}			2 16.2 278°.86		7°.7/ 8.9 17	
1 12	10 22.23	+30 37.7	1.868	2.702	13.3	19.8
1 22	10 17.57	+32 10.6	1.792	2.688	10.7	19.6
2 1	10 10.18	+33 41.1	1.741	2.674	8.4	19.4
2 11	10 0.77	+34 58.7	1.717	2.660	7.8	19.4
2 21	9 50.47	+35 54.3	1.720	2.646	9.3	19.4
3 2	9 40.63	+36 22.1	1.748	2.632	12.0	19.5
3 12	9 32.56	+36 21.3	1.799	2.618	14.9	19.7
3 22	9 27.12	+35 54.8	1.869	2.605	17.5	19.9
31656 1999 HL_{8}			2 16.2 341°.22		3°.8/19.8 18	
1 12	10 15.76	− 1 8.6	2.193	2.958	13.9	17.7
1 22	10 11.95	− 1 2.3	2.102	2.957	11.2	17.5
2 1	10 6.30	− 0 37.8	2.034	2.955	8.1	17.3
2 11	9 59.35	+ 0 3.7	1.991	2.954	5.1	17.1
2 21	9 51.86	+ 0 58.9	1.977	2.953	3.8	17.0
3 2	9 44.67	+ 2 2.7	1.992	2.952	5.8	17.1
3 12	9 38.63	+ 3 9.1	2.034	2.951	9.0	17.3
3 22	9 34.34	+ 4 12.4	2.101	2.950	12.0	17.5
194056 2001 SW_{121}			2 16.2 62°.31		2°.2/17.5 18	
1 12	10 23.38	+ 6 40.9	1.380	2.194	18.3	20.0
1 22	10 18.58	+ 6 32.3	1.309	2.200	14.2	19.8
2 1	10 10.82	+ 6 41.2	1.259	2.206	9.4	19.5
2 11	10 0.98	+ 7 4.9	1.234	2.213	4.3	19.3
2 21	9 50.36	+ 7 37.9	1.234	2.219	3.0	19.2
3 2	9 40.45	+ 8 13.8	1.262	2.226	7.8	19.5
3 12	9 32.60	+ 8 45.9	1.314	2.233	12.6	19.8
3 22	9 27.65	+ 9 9.7	1.387	2.240	16.8	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
342897 2008 YM_{107}			2 16.2 74°.45		1°.3/14.9 18	
	h m	° ′			°	m
1 12	10 17.41	+13 38.5	2.195	3.012	12.2	20.8
1 22	10 13.15	+14 24.8	2.120	3.018	9.1	20.6
2 1	10 7.00	+15 19.7	2.070	3.025	5.6	20.4
2 11	9 59.58	+16 18.0	2.049	3.032	2.0	20.2
2 21	9 51.68	+17 14.2	2.056	3.038	2.7	20.3
3 2	9 44.20	+18 2.9	2.094	3.045	6.3	20.5
3 12	9 37.96	+18 40.3	2.158	3.051	9.7	20.7
3 22	9 33.55	+19 4.6	2.246	3.058	12.6	20.9
34908 3528 $P–L$			2 16.2 249°.28		7°.7/22.9 18	
1 12	10 18.00	−10 22.5	2.036	2.751	16.4	19.0
1 22	10 13.87	−10 56.5	1.942	2.747	14.1	18.8
2 1	10 7.62	−11 6.9	1.869	2.743	11.5	18.7
2 11	9 59.85	−10 51.7	1.818	2.740	9.1	18.5
2 21	9 51.39	−10 11.6	1.793	2.736	7.7	18.4
3 2	9 43.22	− 9 10.3	1.795	2.732	8.4	18.4
3 12	9 36.31	− 7 54.6	1.823	2.728	10.6	18.6
3 22	9 31.38	− 6 32.6	1.875	2.724	13.3	18.7
99320 2001 TF_{103}			2 16.2 328°.92		5°.4/19.8 18	
1 12	10 19.38	− 1 11.8	1.432	2.221	19.0	18.8
1 22	10 15.62	− 1 27.4	1.350	2.217	15.4	18.5
2 1	10 9.05	− 1 17.7	1.287	2.215	11.3	18.3
2 11	10 0.42	− 0 42.9	1.247	2.212	7.2	18.0
2 21	9 50.86	+ 0 13.6	1.233	2.209	5.4	17.9
3 2	9 41.77	+ 1 24.3	1.245	2.207	8.2	18.1
3 12	9 34.50	+ 2 39.7	1.281	2.205	12.5	18.3
3 22	9 29.94	+ 3 50.9	1.339	2.203	16.6	18.5
341239 2007 RW_{174}			2 16.2 151°.51		0°.1/16.3 17	
1 12	10 17.64	+ 9 33.7	2.871	3.663	10.3	22.3
1 22	10 12.87	+10 10.4	2.789	3.672	7.8	22.1
2 1	10 6.64	+10 55.7	2.733	3.681	4.9	21.9
2 11	9 59.43	+11 46.5	2.706	3.689	1.7	21.7
2 21	9 51.85	+12 38.6	2.711	3.696	1.5	21.7
3 2	9 44.57	+13 28.2	2.747	3.703	4.7	21.9
3 12	9 38.23	+14 11.8	2.812	3.710	7.6	22.1
3 22	9 33.31	+14 46.9	2.903	3.716	10.1	22.3
267434 2002 CF_{130}			2 16.2 53°.60		0°.3/16.4 18	
1 12	10 24.29	+11 51.3	1.694	2.508	15.4	20.3
1 22	10 18.68	+11 40.8	1.626	2.520	11.7	20.1
2 1	10 10.58	+11 39.7	1.582	2.533	7.3	19.8
2 11	10 0.83	+11 44.3	1.563	2.546	2.6	19.6
2 21	9 50.57	+11 50.6	1.573	2.559	2.3	19.6
3 2	9 41.02	+11 54.6	1.612	2.572	6.9	19.9
3 12	9 33.26	+11 53.1	1.676	2.586	11.1	20.2
3 22	9 27.98	+11 44.5	1.764	2.599	14.6	20.4
1088 Mitaka			2 16.2 109°.20		5°.2/12.6 18	R
1 12	10 28.09	+22 13.3	1.521	2.353	15.9	15.0
1 22	10 21.88	+23 26.8	1.469	2.373	12.0	14.8
2 1	10 12.70	+24 42.5	1.441	2.392	7.9	14.6
2 11	10 1.58	+25 50.1	1.439	2.410	5.3	14.5
2 21	9 49.90	+26 40.4	1.465	2.428	6.7	14.7
3 2	9 39.19	+27 7.7	1.518	2.445	10.4	14.9
3 12	9 30.73	+27 11.1	1.595	2.462	14.1	15.2
3 22	9 25.24	+26 53.5	1.692	2.478	17.2	15.4
371219 2006 AJ_{101}			2 16.2 68°.83		0°.4/15.8 18	
1 12	10 17.91	+10 22.4	1.897	2.712	13.9	20.7
1 22	10 13.81	+11 10.1	1.821	2.716	10.5	20.4
2 1	10 7.56	+12 11.0	1.768	2.721	6.5	20.2
2 11	9 59.81	+13 19.6	1.742	2.726	2.2	19.9
2 21	9 51.49	+14 29.3	1.746	2.730	2.4	20.0
3 2	9 43.61	+15 33.2	1.778	2.735	6.7	20.2
3 12	9 37.15	+16 25.9	1.836	2.740	10.6	20.5
3 22	9 32.78	+17 4.4	1.918	2.744	14.0	20.7
453829 2011 SF_{146}			2 16.2 44°.82		0°.1/16.2 18	
1 12	10 22.00	+10 38.1	1.249	2.083	18.6	21.3
1 22	10 17.61	+10 57.0	1.195	2.099	14.0	21.1
2 1	10 10.18	+11 31.7	1.161	2.117	8.8	20.8
2 11	10 0.74	+12 15.8	1.151	2.135	3.0	20.6
2 21	9 50.69	+13 1.4	1.167	2.153	2.8	20.6
3 2	9 41.61	+13 40.9	1.209	2.172	8.3	21.0
3 12	9 34.78	+14 8.6	1.275	2.192	13.2	21.3
3 22	9 30.93	+14 22.0	1.361	2.211	17.2	21.6
338871 2004 BQ_{9}			2 16.2 97°.69		0°.6/15.8 18	
1 12	10 25.69	+12 8.1	1.350	2.176	17.9	20.6
1 22	10 20.36	+12 28.4	1.285	2.186	13.5	20.3
2 1	10 11.93	+13 2.0	1.242	2.197	8.4	20.1
2 11	10 1.37	+13 42.7	1.223	2.207	2.8	19.8
2 21	9 50.07	+14 23.0	1.231	2.216	3.0	19.8
3 2	9 39.62	+14 55.8	1.267	2.226	8.5	20.1
3 12	9 31.41	+15 16.1	1.326	2.235	13.4	20.4
3 22	9 26.25	+15 22.2	1.407	2.244	17.5	20.7

224386 2005 UP_{200} 2 16.2 220°.68 4°.9/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.27	+23 59.3	2.002	2.831	12.8	20.3
1 22	10 17.18	+25 2.4	1.925	2.827	9.7	20.1
2 1	10 9.72	+26 7.0	1.874	2.822	6.7	19.9
2 11	10 0.58	+27 5.3	1.850	2.818	4.9	19.8
2 21	9 50.77	+27 50.3	1.855	2.813	6.2	19.9
3 2	9 41.45	+28 16.6	1.888	2.808	9.2	20.0
3 12	9 33.68	+28 22.7	1.946	2.802	12.4	20.2
3 22	9 28.21	+28 9.5	2.025	2.797	15.2	20.4

415817 2001 QW_{89} 2 16.2 132°.76 4°.4/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.36	− 2 19.0	2.391	3.129	13.6	22.4
1 22	10 17.35	− 2 43.4	2.311	3.146	11.1	22.2
2 1	10 9.51	− 2 52.0	2.254	3.161	8.2	22.0
2 11	10 0.45	− 2 45.0	2.224	3.176	5.6	21.9
2 21	9 50.94	− 2 24.3	2.224	3.191	4.5	21.8
3 2	9 41.85	− 1 53.4	2.254	3.204	6.0	22.0
3 12	9 33.99	− 1 16.7	2.313	3.217	8.7	22.1
3 22	9 27.93	− 0 38.9	2.397	3.229	11.3	22.3

437811 2015 DB_{42} 2 16.2 25°.83 6°.8/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.84	+27 27.1	1.378	2.226	16.3	20.2
1 22	10 18.83	+28 8.7	1.336	2.245	12.5	20.0
2 1	10 10.80	+28 45.4	1.316	2.265	8.9	19.9
2 11	10 0.90	+29 7.7	1.321	2.286	6.8	19.8
2 21	9 50.62	+29 8.8	1.351	2.309	8.0	19.9
3 2	9 41.51	+28 46.2	1.406	2.332	11.2	20.2
3 12	9 34.78	+28 1.8	1.484	2.357	14.6	20.4
3 22	9 31.03	+26 59.9	1.582	2.382	17.6	20.7

321155 2008 US_{330} 2 16.2 138°.92 0°.9/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.40	+ 7 44.1	2.206	3.003	12.8	21.5
1 22	10 13.88	+ 8 4.8	2.123	3.006	9.8	21.3
2 1	10 7.47	+ 8 37.6	2.064	3.010	6.3	21.1
2 11	9 59.77	+ 9 19.3	2.032	3.013	2.6	20.8
2 21	9 51.56	+10 5.4	2.030	3.016	1.8	20.8
3 2	9 43.72	+10 51.0	2.058	3.018	5.6	21.0
3 12	9 37.10	+11 31.6	2.113	3.021	9.2	21.2
3 22	9 32.30	+12 3.9	2.193	3.024	12.3	21.4

433641 2014 AZ_{22} 2 16.2 59°.70 2°.1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 16.58	+15 34.3	2.203	3.025	12.0	20.7
1 22	10 12.57	+16 38.7	2.130	3.031	8.9	20.6
2 1	10 6.67	+17 50.9	2.082	3.037	5.5	20.3
2 11	9 59.49	+19 4.9	2.063	3.044	2.4	20.2
2 21	9 51.82	+20 14.1	2.073	3.050	3.5	20.2
3 2	9 44.55	+21 13.0	2.113	3.056	6.8	20.5
3 12	9 38.51	+21 57.6	2.179	3.063	10.1	20.7
3 22	9 34.29	+22 26.6	2.269	3.070	12.9	20.9

258995 2002 TC_{63} 2 16.2 270°.16 1°.1/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.81	+13 52.2	1.743	2.563	14.8	20.3
1 22	10 17.88	+14 10.7	1.651	2.550	11.2	20.0
2 1	10 10.34	+14 38.7	1.582	2.537	7.0	19.7
2 11	10 0.86	+15 11.4	1.540	2.523	2.4	19.4
2 21	9 50.50	+15 42.8	1.526	2.510	2.9	19.4
3 2	9 40.53	+16 7.3	1.540	2.496	7.7	19.7
3 12	9 32.18	+16 20.8	1.580	2.482	12.1	19.9
3 22	9 26.31	+16 21.5	1.643	2.468	15.9	20.1

20566 Laurielee 2 16.2 245°.88 0°.6/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.13	+10 14.5	1.753	2.561	15.2	18.4
1 22	10 18.82	+10 15.2	1.661	2.551	11.7	18.1
2 1	10 10.90	+10 27.4	1.591	2.541	7.5	17.9
2 11	10 1.05	+10 47.8	1.548	2.530	2.8	17.6
2 21	9 50.34	+11 11.7	1.534	2.519	2.3	17.5
3 2	9 40.02	+11 34.0	1.548	2.508	7.1	17.8
3 12	9 31.33	+11 50.3	1.589	2.497	11.6	18.0
3 22	9 25.10	+11 57.8	1.652	2.485	15.5	18.2

427527 2002 NP_{65} 2 16.2 85°.37 1°.0/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.63	+13 30.5	2.194	3.005	12.5	21.4
1 22	10 15.41	+14 5.1	2.133	3.028	9.3	21.3
2 1	10 8.31	+14 47.1	2.098	3.051	5.7	21.1
2 11	10 0.03	+15 31.9	2.090	3.073	2.0	20.9
2 21	9 51.39	+16 14.2	2.112	3.095	2.4	20.9
3 2	9 43.31	+16 49.6	2.165	3.117	6.0	21.2
3 12	9 36.58	+17 15.1	2.244	3.139	9.4	21.5
3 22	9 31.75	+17 29.3	2.348	3.160	12.2	21.7

498592 2008 QD_{45} 2 16.2 191°.52 2°.8/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.31	+ 2 49.8	2.529	3.293	12.3	21.8
1 22	10 15.86	+ 2 36.4	2.433	3.292	9.8	21.7
2 1	10 8.64	+ 2 35.2	2.362	3.290	6.8	21.5
2 11	10 0.18	+ 2 44.9	2.319	3.287	3.9	21.3
2 21	9 51.20	+ 3 3.5	2.306	3.284	2.9	21.2
3 2	9 42.51	+ 3 27.9	2.323	3.281	5.3	21.3
3 12	9 34.90	+ 3 54.1	2.369	3.277	8.3	21.5
3 22	9 28.94	+ 4 18.8	2.441	3.273	11.2	21.7

113257 2002 RD_{139} 2 16.2 92°.92 2°.6/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 18.11	+17 16.0	2.202	3.025	12.0	19.7
1 22	10 13.69	+18 24.6	2.135	3.037	8.9	19.6
2 1	10 7.35	+19 39.3	2.094	3.049	5.5	19.4
2 11	9 59.73	+20 53.7	2.081	3.060	2.8	19.2
2 21	9 51.64	+22 1.3	2.099	3.072	3.9	19.3
3 2	9 44.00	+22 56.6	2.145	3.083	7.1	19.5
3 12	9 37.66	+23 36.2	2.218	3.094	10.3	19.7
3 22	9 33.18	+23 59.5	2.315	3.105	13.0	19.9

496175 2011 CK_{23} 2 16.2 50°.06 2°.1/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.48	+ 6 34.6	1.857	2.654	14.9	20.9
1 22	10 16.52	+ 6 23.2	1.775	2.656	11.6	20.7
2 1	10 9.27	+ 6 25.1	1.716	2.659	7.7	20.4
2 11	10 0.43	+ 6 38.1	1.684	2.661	3.7	20.2
2 21	9 50.97	+ 6 58.6	1.680	2.664	2.6	20.1
3 2	9 41.99	+ 7 22.4	1.705	2.667	6.4	20.4
3 12	9 34.51	+ 7 44.6	1.756	2.670	10.3	20.6
3 22	9 29.25	+ 8 1.8	1.831	2.673	13.8	20.8

94698 2001 XN_{41} 2 16.2 122°.07 7°.1/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.14	+28 15.2	1.645	2.477	14.9	19.9
1 22	10 21.95	+29 32.8	1.591	2.489	11.6	19.7
2 1	10 12.79	+30 46.8	1.561	2.501	8.6	19.5
2 11	10 1.65	+31 46.5	1.557	2.512	7.1	19.5
2 21	9 49.91	+32 23.4	1.580	2.523	8.5	19.6
3 2	9 39.07	+32 33.2	1.629	2.534	11.4	19.8
3 12	9 30.44	+32 16.7	1.702	2.544	14.6	20.0
3 22	9 24.76	+31 38.0	1.795	2.553	17.4	20.2

460228 2014 QP_{221} 2 16.2 212°.92 2°.1/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.35	+ 5 54.3	1.817	2.610	15.4	21.8
1 22	10 18.09	+ 5 51.9	1.727	2.605	12.0	21.6
2 1	10 10.37	+ 6 4.4	1.659	2.600	8.0	21.3
2 11	10 0.86	+ 6 29.4	1.617	2.594	3.8	21.1
2 21	9 50.56	+ 7 3.1	1.604	2.588	2.7	21.0
3 2	9 40.65	+ 7 40.0	1.620	2.581	6.7	21.2
3 12	9 32.28	+ 8 14.8	1.662	2.574	10.9	21.4
3 22	9 26.24	+ 8 43.2	1.729	2.567	14.7	21.7

171534 1999 NC_{48} 2 16.2 174°.95 2°.7/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.46	+ 2 19.2	2.274	3.040	13.5	21.2
1 22	10 16.89	+ 2 25.9	2.184	3.044	10.6	21.0
2 1	10 9.36	+ 2 47.6	2.118	3.047	7.4	20.8
2 11	10 0.46	+ 3 22.6	2.079	3.049	4.1	20.6
2 21	9 50.99	+ 4 7.3	2.070	3.050	2.9	20.5
3 2	9 41.88	+ 4 57.1	2.091	3.051	5.6	20.7
3 12	9 33.99	+ 5 46.8	2.142	3.050	9.0	20.9
3 22	9 27.96	+ 6 32.0	2.218	3.049	12.1	21.1

502111 2015 BS_{2} 2 16.2 56°.96 0°.7/15.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.38	+11 50.9	1.987	2.802	13.4	21.1
1 22	10 14.10	+12 28.4	1.908	2.805	10.1	20.9
2 1	10 7.72	+13 16.7	1.854	2.808	6.2	20.7
2 11	9 59.91	+14 10.9	1.828	2.811	2.1	20.4
2 21	9 51.53	+15 5.1	1.830	2.814	2.4	20.4
3 2	9 43.59	+15 53.4	1.861	2.817	6.5	20.7
3 12	9 37.02	+16 31.4	1.919	2.820	10.3	20.9
3 22	9 32.46	+16 56.7	2.000	2.823	13.6	21.1

66150 1998 UF 2 16.2 194°.77 3°.3/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 41.68	+10 32.0	1.187	1.991	21.2	18.4
1 22	10 33.23	+ 9 4.0	1.105	1.991	16.7	18.1
2 1	10 20.49	+ 7 41.9	1.045	1.989	11.1	17.8
2 11	10 4.53	+ 6 26.1	1.010	1.988	5.3	17.4
2 21	9 47.21	+ 5 17.8	1.003	1.986	4.3	17.4
3 2	9 30.86	+ 4 17.5	1.024	1.983	10.0	17.7
3 12	9 17.54	+ 3 24.6	1.070	1.980	15.8	18.0
3 22	9 8.42	+ 2 37.3	1.137	1.976	20.7	18.3

338523 2003 QR_{89} 2 16.2 301°.44 3°.9/18.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.28	+ 4 18.3	1.891	2.670	15.4	20.6
1 22	10 20.75	+ 3 31.4	1.759	2.626	12.4	20.3
2 1	10 12.41	+ 2 55.1	1.650	2.582	8.9	19.9
2 11	10 1.75	+ 2 29.9	1.567	2.537	5.2	19.6
2 21	9 49.63	+ 2 15.3	1.513	2.492	4.2	19.5
3 2	9 37.34	+ 2 9.6	1.489	2.446	7.7	19.6
3 12	9 26.24	+ 2 9.1	1.491	2.400	12.2	19.7
3 22	9 17.49	+ 2 10.1	1.518	2.353	16.5	19.8

368782 2005 WM_{166} 2 16.2 132°.24 2°.8/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.92	+17 27.5	2.041	2.865	12.7	21.0
1 22	10 15.23	+18 29.2	1.969	2.871	9.5	20.8
2 1	10 8.42	+19 37.6	1.922	2.877	5.9	20.6
2 11	10 0.15	+20 45.8	1.903	2.882	3.0	20.4
2 21	9 51.32	+21 47.1	1.914	2.888	4.1	20.5
3 2	9 42.97	+22 35.7	1.953	2.893	7.6	20.7
3 12	9 36.03	+23 8.1	2.019	2.898	11.0	20.9
3 22	9 31.16	+23 23.8	2.107	2.902	13.9	21.1

91119 1998 HV_{88} 2 16.2 218°.09 4°.1/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.26	+22 57.5	2.139	2.964	12.2	20.0
1 22	10 17.02	+23 48.7	2.060	2.960	9.2	19.8
2 1	10 9.56	+24 41.6	2.006	2.955	6.2	19.6
2 11	10 0.56	+25 29.4	1.980	2.951	4.2	19.5
2 21	9 50.94	+26 6.0	1.983	2.945	5.4	19.6
3 2	9 41.78	+26 26.8	2.014	2.940	8.3	19.7
3 12	9 34.05	+26 30.1	2.072	2.934	11.5	19.9
3 22	9 28.46	+26 16.5	2.152	2.929	14.3	20.1

293802 2007 RO_{148} 2 16.2 172°.51 2°.0/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.10	+15 40.0	2.055	2.868	13.1	21.9
1 22	10 18.36	+16 26.7	1.976	2.872	9.8	21.7
2 1	10 10.38	+17 21.0	1.922	2.875	6.1	21.5
2 11	10 0.84	+18 16.9	1.896	2.878	2.5	21.3
2 21	9 50.69	+19 8.1	1.901	2.880	3.4	21.3
3 2	9 41.01	+19 49.1	1.935	2.881	7.2	21.6
3 12	9 32.81	+20 16.3	1.996	2.881	10.8	21.8
3 22	9 26.77	+20 28.9	2.081	2.880	14.0	22.0

20237 Clavius 2 16.2 166°.72 0°.4/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.66	+11 46.4	1.464	2.284	17.1	18.2
1 22	10 20.29	+12 5.6	1.389	2.287	13.0	18.0
2 1	10 11.94	+12 37.9	1.335	2.289	8.1	17.7
2 11	10 1.45	+13 17.9	1.307	2.291	2.8	17.4
2 21	9 50.12	+13 58.4	1.307	2.292	2.9	17.4
3 2	9 39.45	+14 32.6	1.334	2.293	8.2	17.7
3 12	9 30.82	+14 55.5	1.386	2.294	13.0	18.0
3 22	9 25.11	+15 4.8	1.460	2.294	17.1	18.2

257658 1999 VJ_{29} 2 16.2 82°.58 3°.4/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.45	+18 22.8	1.609	2.439	15.3	19.9
1 22	10 18.94	+19 18.1	1.555	2.460	11.4	19.7
2 1	10 10.80	+20 19.0	1.525	2.480	7.1	19.5
2 11	10 0.97	+21 17.3	1.522	2.501	3.6	19.3
2 21	9 50.65	+22 5.2	1.546	2.521	4.9	19.5
3 2	9 41.17	+22 36.8	1.599	2.541	8.8	19.7
3 12	9 33.66	+22 50.1	1.676	2.560	12.6	20.0
3 22	9 28.78	+22 45.6	1.775	2.580	15.8	20.3

262651 2006 WL_{63} 2 16.2 74°.73 2°.5/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.78	+16 57.1	1.658	2.486	15.0	21.0
1 22	10 18.38	+17 33.7	1.600	2.503	11.2	20.8
2 1	10 10.44	+18 16.9	1.564	2.520	6.9	20.6
2 11	10 0.85	+18 59.8	1.556	2.537	3.0	20.4
2 21	9 50.76	+19 35.5	1.576	2.554	4.0	20.5
3 2	9 41.46	+19 58.9	1.623	2.572	8.1	20.8
3 12	9 34.04	+20 7.3	1.696	2.589	12.0	21.0
3 22	9 29.14	+20 0.9	1.791	2.606	15.3	21.3

160116 2000 SR_{241} 2 16.2 144°.61 1°.0/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.13	+12 4.4	1.952	2.760	13.9	20.9
1 22	10 17.65	+12 57.0	1.879	2.772	10.4	20.6
2 1	10 9.93	+14 0.7	1.831	2.784	6.4	20.4
2 11	10 0.68	+15 9.6	1.811	2.794	2.2	20.2
2 21	9 50.88	+16 16.7	1.821	2.804	2.7	20.2
3 2	9 41.59	+17 15.6	1.861	2.813	6.9	20.5
3 12	9 33.83	+18 1.6	1.928	2.821	10.7	20.8
3 22	9 28.26	+18 32.7	2.018	2.829	13.9	21.0

32386 2000 QB_{192} 2 16.2 193°.79 4°.8/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.85	+28 55.8	2.742	3.558	10.1	19.5
1 22	10 17.01	+29 38.3	2.667	3.556	7.9	19.3
2 1	10 9.33	+30 17.5	2.618	3.554	5.8	19.2
2 11	10 0.44	+30 47.8	2.598	3.552	4.8	19.1
2 21	9 51.11	+31 5.0	2.608	3.549	5.7	19.2
3 2	9 42.22	+31 6.4	2.647	3.546	7.8	19.3
3 12	9 34.55	+30 51.5	2.712	3.543	10.1	19.5
3 22	9 28.69	+30 21.9	2.800	3.540	12.2	19.6

495984 2007 TW_{398} 2 16.2 100°.13 4°.2/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.42	− 2 41.5	2.394	3.143	13.3	21.7
1 22	10 12.99	− 2 47.1	2.312	3.153	10.8	21.5
2 1	10 6.86	− 2 35.8	2.252	3.164	8.0	21.3
2 11	9 59.59	− 2 8.4	2.219	3.174	5.4	21.2
2 21	9 51.89	− 1 27.4	2.214	3.184	4.2	21.1
3 2	9 44.54	− 0 37.0	2.239	3.194	5.7	21.2
3 12	9 38.29	+ 0 17.6	2.291	3.204	8.3	21.4
3 22	9 33.68	+ 1 11.5	2.369	3.213	11.0	21.6

114072 2002 VW_{32} 2 16.2 51°.55 3°.2/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.97	+19 12.9	1.981	2.811	12.8	19.2
1 22	10 14.51	+20 7.3	1.919	2.824	9.5	19.0
2 1	10 7.93	+21 6.0	1.883	2.837	6.0	18.8
2 11	9 59.98	+22 2.4	1.874	2.851	3.3	18.7
2 21	9 51.56	+22 50.0	1.893	2.865	4.5	18.8
3 2	9 43.71	+23 24.0	1.941	2.879	7.7	19.0
3 12	9 37.35	+23 41.8	2.015	2.893	11.0	19.2
3 22	9 33.06	+23 43.6	2.110	2.908	13.9	19.4

398361 2011 SD_{67} 2 16.2 116°.26 3°.5/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.96	+19 44.0	1.674	2.500	15.0	21.0
1 22	10 20.84	+20 23.9	1.611	2.513	11.2	20.8
2 1	10 12.03	+21 7.8	1.572	2.525	7.1	20.6
2 11	10 1.42	+21 48.0	1.559	2.537	3.8	20.4
2 21	9 50.25	+22 17.6	1.575	2.549	4.9	20.5
3 2	9 39.88	+22 31.7	1.620	2.561	8.8	20.8
3 12	9 31.49	+22 28.7	1.689	2.572	12.6	21.0
3 22	9 25.78	+22 9.7	1.781	2.582	15.9	21.3

288565 2004 HB_{19} 2 16.2 270°.19 9°.7/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.66	+45 48.5	2.526	3.307	11.9	20.3
1 22	10 24.28	+46 51.2	2.459	3.292	10.6	20.2
2 1	10 14.15	+47 39.7	2.416	3.277	9.8	20.1
2 11	10 2.16	+48 5.7	2.398	3.262	9.8	20.1
2 21	9 49.54	+48 3.8	2.405	3.246	10.7	20.1
3 2	9 37.69	+47 32.2	2.437	3.231	12.2	20.2
3 12	9 27.81	+46 33.4	2.491	3.215	13.8	20.3
3 22	9 20.66	+45 12.4	2.564	3.199	15.4	20.4

453928 2011 WH_{112} 2 16.2 17°.24 1°.1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.23	+ 8 40.9	1.326	2.154	18.1	20.8
1 22	10 16.36	+ 8 45.7	1.257	2.157	13.9	20.6
2 1	10 9.53	+ 9 7.4	1.208	2.160	8.9	20.3
2 11	10 0.63	+ 9 42.0	1.183	2.165	3.5	20.0
2 21	9 50.93	+10 22.8	1.184	2.170	2.6	19.9
3 2	9 41.92	+11 2.6	1.210	2.175	8.0	20.3
3 12	9 34.96	+11 34.8	1.261	2.182	12.9	20.6
3 22	9 30.87	+11 55.4	1.332	2.189	17.2	20.8

232349 2002 VS_{67} 2 16.2 162°.70 1°.0/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.55	+13 3.6	1.824	2.632	14.7	21.1
1 22	10 20.41	+13 34.9	1.747	2.639	11.1	20.9
2 1	10 11.75	+14 16.2	1.694	2.646	6.9	20.7
2 11	10 1.35	+15 2.0	1.668	2.651	2.4	20.4
2 21	9 50.29	+15 45.8	1.672	2.656	2.8	20.4
3 2	9 39.80	+16 22.0	1.706	2.660	7.3	20.7
3 12	9 31.03	+16 46.5	1.767	2.662	11.4	21.0
3 22	9 24.71	+16 57.9	1.851	2.664	14.9	21.2

83988 2002 LC_{34} 2 16.2 120°.44 1°.0/15.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.27	+10 49.9	1.637	2.448	15.9	20.2
1 22	10 19.54	+11 54.9	1.575	2.469	11.9	20.0
2 1	10 11.21	+13 14.3	1.536	2.489	7.3	19.7
2 11	10 1.15	+14 40.4	1.525	2.508	2.5	19.5
2 21	9 50.51	+16 4.1	1.543	2.527	3.0	19.6
3 2	9 40.61	+17 17.2	1.591	2.544	7.7	19.9
3 12	9 32.57	+18 14.2	1.664	2.560	11.9	20.2
3 22	9 27.12	+18 52.8	1.760	2.576	15.5	20.4

55295 2001 SJ_{43} 2 16.2 102°.46 1°.7/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.42	+14 32.4	1.869	2.689	13.9	19.5
1 22	10 16.44	+15 18.3	1.802	2.701	10.4	19.3
2 1	10 9.20	+16 13.0	1.759	2.714	6.4	19.1
2 11	10 0.44	+17 10.3	1.743	2.726	2.4	18.9
2 21	9 51.16	+18 3.6	1.757	2.738	3.3	18.9
3 2	9 42.46	+18 46.9	1.799	2.749	7.3	19.2
3 12	9 35.33	+19 16.6	1.867	2.760	11.0	19.4
3 22	9 30.43	+19 31.4	1.959	2.772	14.2	19.7

54137 2000 HA_{36} 2 16.2 207°.73 3°.0/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.47	− 0 21.1	2.286	3.048	13.5	19.4
1 22	10 14.00	+ 0 8.3	2.187	3.042	10.8	19.2
2 1	10 7.64	+ 0 56.4	2.111	3.036	7.7	19.0
2 11	9 59.92	+ 2 1.2	2.062	3.030	4.4	18.8
2 21	9 51.60	+ 3 18.6	2.043	3.023	3.1	18.7
3 2	9 43.52	+ 4 42.5	2.054	3.015	5.6	18.8
3 12	9 36.55	+ 6 6.4	2.094	3.007	9.0	19.0
3 22	9 31.34	+ 7 24.2	2.160	2.998	12.2	19.2

186011 2001 QE_{118} 2 16.2 186°.68 3°.6/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.76	− 2 4.8	2.325	3.076	13.6	21.8
1 22	10 14.15	− 1 42.3	2.229	3.076	11.0	21.6
2 1	10 7.69	− 1 0.9	2.157	3.075	8.0	21.4
2 11	9 59.93	− 0 2.0	2.112	3.073	5.0	21.2
2 21	9 51.60	+ 1 10.5	2.096	3.071	3.6	21.1
3 2	9 43.56	+ 2 31.1	2.110	3.069	5.6	21.2
3 12	9 36.64	+ 3 53.3	2.153	3.065	8.8	21.4
3 22	9 31.44	+ 5 11.1	2.222	3.062	11.8	21.6

501986 2014 YM_{43} 2 16.2 27°.33 5°.0/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.40	+ 1 42.2	1.653	2.436	17.0	20.5
1 22	10 18.21	+ 0 45.7	1.576	2.441	13.7	20.3
2 1	10 10.46	+ 0 5.6	1.520	2.447	9.9	20.1
2 11	10 0.93	− 0 17.4	1.490	2.454	6.4	19.9
2 21	9 50.70	− 0 24.3	1.486	2.460	5.1	19.8
3 2	9 41.04	− 0 18.4	1.510	2.468	7.6	20.0
3 12	9 33.09	− 0 4.7	1.560	2.476	11.3	20.2
3 22	9 27.63	+ 0 11.4	1.633	2.484	14.8	20.5

433193 2012 UZ_{24} 2 16.2 79°.89 3°.1/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 18.21	+ 1 53.6	2.341	3.112	13.0	21.2
1 22	10 13.68	+ 1 42.8	2.252	3.113	10.3	21.0
2 1	10 7.35	+ 1 45.9	2.186	3.114	7.3	20.8
2 11	9 59.80	+ 2 1.8	2.148	3.115	4.3	20.6
2 21	9 51.74	+ 2 28.0	2.138	3.116	3.2	20.5
3 2	9 44.01	+ 3 0.7	2.158	3.117	5.5	20.7
3 12	9 37.39	+ 3 35.7	2.205	3.119	8.6	20.9
3 22	9 32.47	+ 4 8.9	2.278	3.120	11.5	21.1

447 Valentine 2 16.2 105°.60 2°.2/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.02	+16 58.1	2.193	3.014	12.1	13.8
1 22	10 14.43	+17 43.5	2.118	3.019	9.0	13.6
2 1	10 7.87	+18 34.7	2.068	3.023	5.6	13.4
2 11	9 59.98	+19 26.4	2.046	3.027	2.5	13.2
2 21	9 51.59	+20 12.8	2.054	3.031	3.5	13.3
3 2	9 43.63	+20 49.2	2.091	3.035	6.9	13.5
3 12	9 36.97	+21 12.6	2.155	3.039	10.1	13.7
3 22	9 32.21	+21 22.0	2.241	3.043	13.0	13.9

88296 2001 NC_{14} 2 16.2 203°.31 3°.5/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.86	+17 53.1	1.814	2.638	14.1	19.8
1 22	10 18.64	+19 7.5	1.732	2.633	10.6	19.6
2 1	10 10.81	+20 30.7	1.674	2.628	6.7	19.3
2 11	10 1.09	+21 54.4	1.645	2.623	3.6	19.1
2 21	9 50.52	+23 9.5	1.644	2.616	5.1	19.2
3 2	9 40.38	+24 8.6	1.673	2.609	8.9	19.4
3 12	9 31.89	+24 47.4	1.727	2.601	12.8	19.6
3 22	9 25.87	+25 5.3	1.802	2.592	16.2	19.8

152937 2000 EO_{142} 2 16.2 112°.86 0°.9/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.98	+12 56.9	1.555	2.372	16.4	20.3
1 22	10 20.95	+13 20.6	1.491	2.388	12.3	20.1
2 1	10 12.14	+13 55.0	1.450	2.403	7.6	19.9
2 11	10 1.49	+14 34.2	1.435	2.418	2.6	19.6
2 21	9 50.24	+15 11.5	1.448	2.432	2.9	19.6
3 2	9 39.81	+15 40.7	1.490	2.446	7.8	20.0
3 12	9 31.41	+15 58.1	1.558	2.460	12.2	20.2
3 22	9 25.76	+16 2.3	1.647	2.473	15.9	20.5

21616 Guhagilford 2 16.2 181°.87 0°.3/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.11	+ 8 8.5	1.849	2.653	14.7	18.7
1 22	10 16.36	+ 8 53.3	1.766	2.654	11.2	18.4
2 1	10 9.27	+ 9 53.9	1.705	2.654	7.1	18.2
2 11	10 0.52	+11 5.4	1.672	2.654	2.6	17.9
2 21	9 51.06	+12 20.9	1.668	2.654	2.2	17.9
3 2	9 42.03	+13 32.9	1.693	2.652	6.8	18.2
3 12	9 34.48	+14 35.1	1.746	2.651	10.9	18.4
3 22	9 29.16	+15 23.5	1.821	2.649	14.5	18.6

454179 2013 GD_{38} 2 16.2 14°.00 0°.8/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.85	+11 20.4	1.238	2.080	18.3	20.9
1 22	10 15.52	+11 54.6	1.172	2.082	13.8	20.6
2 1	10 9.12	+12 45.8	1.127	2.085	8.6	20.3
2 11	10 0.53	+13 46.9	1.105	2.089	2.9	20.0
2 21	9 51.10	+14 48.8	1.108	2.093	3.2	20.0
3 2	9 42.39	+15 42.2	1.137	2.099	8.9	20.4
3 12	9 35.84	+16 20.5	1.189	2.105	14.0	20.7
3 22	9 32.29	+16 40.7	1.261	2.112	18.2	21.0

3488 Brahic 2 16.2 100°.21 0°.6/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.69	+ 9 20.3	1.911	2.719	14.1	17.5
1 22	10 15.07	+10 32.7	1.844	2.737	10.6	17.3
2 1	10 8.32	+11 59.3	1.803	2.755	6.5	17.1
2 11	10 0.15	+13 33.7	1.789	2.772	2.2	16.8
2 21	9 51.48	+15 7.6	1.805	2.790	2.5	16.9
3 2	9 43.33	+16 33.5	1.851	2.806	6.7	17.2
3 12	9 36.66	+17 45.4	1.925	2.823	10.5	17.4
3 22	9 32.07	+18 40.2	2.022	2.839	13.7	17.7

210941 2001 TF_{205} 2 16.2 55°.28 8°.2/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.43	+35 49.0	2.096	2.918	12.5	19.7
1 22	10 18.03	+37 6.6	2.050	2.930	10.3	19.6
2 1	10 10.20	+38 14.7	2.028	2.943	8.6	19.5
2 11	10 0.79	+39 4.8	2.033	2.955	8.2	19.5
2 21	9 50.92	+39 31.1	2.064	2.967	9.3	19.6
3 2	9 41.80	+39 31.0	2.120	2.980	11.3	19.7
3 12	9 34.47	+39 5.9	2.199	2.993	13.4	19.9
3 22	9 29.56	+38 19.7	2.298	3.006	15.3	20.0

236905 2007 TK_{65} 2 16.2 250°.46 2°.7/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.57	+19 21.7	2.391	3.211	11.2	21.4
1 22	10 14.82	+20 4.5	2.302	3.201	8.4	21.2
2 1	10 8.14	+20 51.4	2.238	3.191	5.4	21.0
2 11	10 0.11	+21 37.2	2.203	3.181	2.9	20.8
2 21	9 51.50	+22 16.6	2.198	3.170	3.9	20.9
3 2	9 43.20	+22 45.2	2.222	3.159	7.0	21.0
3 12	9 36.09	+23 0.5	2.273	3.148	10.1	21.2
3 22	9 30.78	+23 1.7	2.347	3.137	12.9	21.4

490169 2008 UP_{250} 2 16.2 236°.81 2°.9/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 24.11	+16 55.9	1.499	2.332	16.1	21.9
1 22	10 19.20	+17 37.7	1.423	2.329	12.1	21.6
2 1	10 11.32	+18 28.4	1.369	2.325	7.6	21.4
2 11	10 1.30	+19 20.4	1.340	2.322	3.4	21.1
2 21	9 50.39	+20 5.2	1.339	2.318	4.6	21.2
3 2	9 40.09	+20 35.8	1.365	2.314	9.2	21.4
3 12	9 31.79	+20 48.5	1.415	2.310	13.7	21.7
3 22	9 26.36	+20 43.0	1.486	2.306	17.6	21.9

163103 2002 AP_{126} 2 16.2 248°.03 0°.8/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.01	+11 20.4	1.857	2.668	14.3	20.5
1 22	10 17.27	+12 7.5	1.756	2.650	10.9	20.2
2 1	10 10.02	+13 8.8	1.679	2.632	6.8	19.9
2 11	10 0.86	+14 19.1	1.629	2.612	2.3	19.6
2 21	9 50.74	+15 31.0	1.609	2.592	2.8	19.6
3 2	9 40.84	+16 37.1	1.617	2.572	7.5	19.8
3 12	9 32.37	+17 31.0	1.653	2.550	11.9	20.0
3 22	9 26.21	+18 9.4	1.711	2.529	15.7	20.2

11731 1998 KF_{47} 2 16.2 251°.62 0°.4/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 16.96	+11 51.1	2.683	3.486	10.6	18.3
1 22	10 12.64	+12 22.8	2.584	3.474	8.0	18.1
2 1	10 6.69	+13 2.8	2.511	3.462	5.0	17.9
2 11	9 59.60	+13 47.7	2.466	3.449	1.7	17.7
2 21	9 51.99	+14 33.3	2.452	3.436	1.9	17.7
3 2	9 44.60	+15 15.4	2.468	3.423	5.2	17.9
3 12	9 38.15	+15 50.5	2.513	3.410	8.4	18.0
3 22	9 33.21	+16 16.3	2.582	3.396	11.1	18.2

369330 2009 SM_{257} 2 16.2 182°.65 4°.1/19.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.80	− 1 5.9	2.372	3.120	13.5	21.7
1 22	10 16.38	− 1 24.9	2.278	3.121	10.9	21.5
2 1	10 9.07	− 1 28.6	2.207	3.121	8.0	21.4
2 11	10 0.44	− 1 17.4	2.163	3.121	5.3	21.2
2 21	9 51.23	− 0 53.2	2.149	3.120	4.1	21.1
3 2	9 42.34	− 0 19.2	2.164	3.118	5.9	21.2
3 12	9 34.59	+ 0 19.6	2.209	3.116	8.8	21.4
3 22	9 28.61	+ 0 58.9	2.278	3.114	11.7	21.6

102221 1999 TT_{9} 2 16.2 70°.21 1°.7/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.55	+ 5 41.7	1.519	2.325	17.3	20.0
1 22	10 17.54	+ 6 3.6	1.463	2.349	13.2	19.8
2 1	10 9.96	+ 6 43.9	1.429	2.374	8.6	19.5
2 11	10 0.74	+ 7 37.9	1.420	2.399	3.8	19.3
2 21	9 51.04	+ 8 38.6	1.439	2.424	2.5	19.3
3 2	9 42.15	+ 9 38.6	1.485	2.449	7.0	19.6
3 12	9 35.16	+10 31.1	1.557	2.473	11.3	19.9
3 22	9 30.71	+11 12.0	1.652	2.497	14.9	20.2

123028 2000 SD_{282} 2 16.2 108°.34 1°.2/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.30	+ 7 32.9	2.023	2.819	13.9	20.6
1 22	10 16.17	+ 7 43.7	1.949	2.831	10.6	20.4
2 1	10 8.97	+ 8 7.0	1.898	2.843	6.9	20.2
2 11	10 0.40	+ 8 39.5	1.875	2.855	2.9	19.9
2 21	9 51.32	+ 9 16.9	1.881	2.866	2.0	19.9
3 2	9 42.76	+ 9 54.3	1.916	2.878	5.9	20.2
3 12	9 35.60	+10 27.1	1.979	2.889	9.6	20.4
3 22	9 30.47	+10 52.3	2.066	2.899	12.8	20.6

113190 2002 RV_{106} 2 16.2 115°.29 3°.0/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.01	+ 0 37.8	2.226	2.987	13.9	20.3
1 22	10 16.44	+ 0 52.9	2.156	3.011	11.0	20.1
2 1	10 9.02	+ 1 24.5	2.108	3.034	7.7	20.0
2 11	10 0.39	+ 2 10.4	2.089	3.056	4.4	19.8
2 21	9 51.36	+ 3 6.4	2.099	3.078	3.1	19.8
3 2	9 42.83	+ 4 7.3	2.139	3.099	5.5	20.0
3 12	9 35.61	+ 5 7.4	2.208	3.119	8.7	20.2
3 22	9 30.24	+ 6 2.2	2.303	3.138	11.6	20.4

204699 2006 EO_{45} 2 16.2 246°.69 0°.4/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.55	+10 36.6	1.757	2.570	14.9	21.1
1 22	10 16.98	+11 15.6	1.663	2.557	11.4	20.8
2 1	10 9.86	+12 9.2	1.591	2.544	7.2	20.6
2 11	10 0.82	+13 12.3	1.547	2.530	2.5	20.2
2 21	9 50.87	+14 18.0	1.531	2.516	2.6	20.2
3 2	9 41.22	+15 18.7	1.544	2.501	7.5	20.5
3 12	9 33.11	+16 8.3	1.583	2.486	12.0	20.7
3 22	9 27.40	+16 43.1	1.644	2.471	15.9	20.9

57741 2001 UN_{162} 2 16.2 196°.94 1°.3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.55	+13 47.2	2.242	3.052	12.2	19.9
1 22	10 15.61	+14 32.3	2.155	3.050	9.2	19.7
2 1	10 8.67	+15 26.1	2.094	3.047	5.7	19.5
2 11	10 0.32	+16 23.7	2.061	3.043	2.1	19.2
2 21	9 51.38	+17 19.3	2.058	3.039	2.7	19.3
3 2	9 42.79	+18 7.5	2.085	3.035	6.4	19.5
3 12	9 35.43	+18 44.5	2.139	3.030	9.9	19.7
3 22	9 29.97	+19 8.4	2.218	3.024	13.0	19.9

414230 2008 FM_{69} 2 16.2 1°.58 9°.5/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 24.04	+32 23.1	1.429	2.274	16.0	20.4
1 22	10 19.51	+33 44.7	1.373	2.273	13.0	20.2
2 1	10 11.63	+34 58.9	1.339	2.272	10.4	20.1
2 11	10 1.43	+35 53.2	1.328	2.272	9.5	20.0
2 21	9 50.43	+36 18.1	1.343	2.273	11.0	20.1
3 2	9 40.37	+36 9.3	1.380	2.275	13.8	20.3
3 12	9 32.75	+35 28.7	1.439	2.277	16.9	20.5
3 22	9 28.38	+34 22.1	1.515	2.280	19.8	20.7

415515 2014 PX_{69} 2 16.2 134°.29 1°.0/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.66	+ 6 12.5	2.033	2.823	14.0	21.8
1 22	10 16.45	+ 6 52.4	1.958	2.838	10.8	21.6
2 1	10 9.17	+ 7 47.4	1.907	2.851	6.9	21.4
2 11	10 0.48	+ 8 53.2	1.885	2.865	2.8	21.2
2 21	9 51.29	+10 3.7	1.892	2.877	2.0	21.1
3 2	9 42.58	+11 12.7	1.929	2.889	6.0	21.4
3 12	9 35.27	+12 14.2	1.994	2.900	9.7	21.6
3 22	9 29.98	+13 4.6	2.084	2.910	13.0	21.9

265667 2005 UZ_{28} 2 16.2 148°.32 2°.0/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.53	+17 12.7	2.460	3.270	11.3	22.0
1 22	10 16.82	+17 55.5	2.387	3.281	8.4	21.9
2 1	10 9.27	+18 43.1	2.340	3.292	5.2	21.7
2 11	10 0.50	+19 30.2	2.322	3.302	2.4	21.5
2 21	9 51.30	+20 12.0	2.335	3.311	3.2	21.6
3 2	9 42.54	+20 44.4	2.379	3.320	6.3	21.8
3 12	9 35.02	+21 4.8	2.450	3.328	9.3	22.0
3 22	9 29.31	+21 12.8	2.546	3.335	12.0	22.2

43683 2002 JF_{12} 2 16.2 142°.70 0°.3/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.86	+ 9 20.5	2.612	3.403	11.2	20.1
1 22	10 14.69	+ 9 45.5	2.533	3.415	8.5	20.0
2 1	10 7.89	+10 19.7	2.479	3.426	5.4	19.8
2 11	10 0.01	+10 59.7	2.455	3.436	2.0	19.6
2 21	9 51.74	+11 41.7	2.461	3.446	1.6	19.5
3 2	9 43.83	+12 21.7	2.498	3.456	5.0	19.8
3 12	9 37.00	+12 56.1	2.564	3.464	8.1	20.0
3 22	9 31.75	+13 22.7	2.655	3.473	10.8	20.2

463285 2012 HY_{21} 2 16.2 279°.00 7°.9/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.15	+30 25.2	1.801	2.637	13.6	20.7
1 22	10 17.58	+32 5.4	1.736	2.632	10.9	20.5
2 1	10 10.26	+33 42.7	1.694	2.628	8.6	20.3
2 11	10 0.96	+35 6.0	1.680	2.623	7.9	20.3
2 21	9 50.84	+36 6.2	1.692	2.618	9.4	20.4
3 2	9 41.28	+36 37.7	1.729	2.613	12.1	20.5
3 12	9 33.56	+36 39.9	1.789	2.609	14.9	20.7
3 22	9 28.50	+36 16.0	1.868	2.604	17.5	20.9

205896 2002 GX_{52} 2 16.2 326°.42 0°.8/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.25	+11 14.3	1.338	2.175	17.4	19.8
1 22	10 15.10	+11 52.2	1.257	2.164	13.3	19.5
2 1	10 8.96	+12 47.5	1.196	2.154	8.3	19.2
2 11	10 0.57	+13 54.1	1.160	2.144	2.8	18.9
2 21	9 51.16	+15 2.8	1.150	2.135	3.2	18.9
3 2	9 42.22	+16 4.3	1.165	2.126	8.8	19.2
3 12	9 35.23	+16 51.0	1.204	2.118	14.0	19.4
3 22	9 31.14	+17 19.0	1.263	2.111	18.4	19.7

495005 2010 KJ_{125} 2 16.2 241°.34 2°.8/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.43	+ 1 12.2	2.092	2.863	14.3	22.7
1 22	10 15.80	+ 1 39.3	1.982	2.845	11.5	22.5
2 1	10 8.98	+ 2 26.0	1.895	2.826	8.0	22.2
2 11	10 0.52	+ 3 30.5	1.835	2.807	4.4	21.9
2 21	9 51.20	+ 4 48.2	1.805	2.787	3.0	21.8
3 2	9 42.04	+ 6 12.8	1.804	2.765	6.2	22.0
3 12	9 34.06	+ 7 36.8	1.832	2.744	10.1	22.2
3 22	9 28.05	+ 8 53.8	1.884	2.721	13.7	22.3

121010 1999 AG_{18} 2 16.2 57°.84 1°.8/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.28	+ 7 59.6	1.344	2.163	18.4	20.1
1 22	10 19.32	+ 7 50.1	1.279	2.173	14.2	19.8
2 1	10 11.36	+ 7 56.9	1.234	2.183	9.2	19.6
2 11	10 1.33	+ 8 16.7	1.213	2.194	4.0	19.3
2 21	9 50.57	+ 8 44.1	1.219	2.204	2.8	19.2
3 2	9 40.61	+ 9 12.6	1.251	2.215	7.9	19.6
3 12	9 32.81	+ 9 36.3	1.308	2.227	12.7	19.9
3 22	9 27.95	+ 9 51.4	1.385	2.238	16.9	20.2

243177 2007 TG_{145} 2 16.2 220°.99 0°.3/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.72	+10 45.4	1.986	2.790	13.8	21.6
1 22	10 17.56	+11 21.3	1.891	2.781	10.5	21.4
2 1	10 10.08	+12 9.6	1.820	2.770	6.6	21.1
2 11	10 0.89	+13 5.7	1.776	2.759	2.3	20.8
2 21	9 50.91	+14 3.6	1.762	2.747	2.3	20.8
3 2	9 41.23	+14 57.0	1.778	2.735	6.8	21.0
3 12	9 32.94	+15 40.7	1.822	2.721	10.9	21.3
3 22	9 26.81	+16 11.8	1.889	2.707	14.4	21.5

229194 2004 TD_{281} 2 16.2 101°.13 2°.3/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 20.71	+16 41.7	2.058	2.879	12.8	20.4
1 22	10 15.77	+17 29.5	1.991	2.891	9.5	20.2
2 1	10 8.75	+18 23.5	1.949	2.903	5.9	20.0
2 11	10 0.35	+19 17.7	1.934	2.915	2.6	19.8
2 21	9 51.48	+20 6.1	1.949	2.927	3.6	19.9
3 2	9 43.13	+20 43.6	1.993	2.938	7.1	20.2
3 12	9 36.22	+21 7.3	2.064	2.949	10.5	20.4
3 22	9 31.35	+21 16.5	2.158	2.960	13.4	20.6

252330 2001 SW_{74} 2 16.2 91°.87 1°.6/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.18	+ 6 9.7	1.907	2.700	14.7	20.8
1 22	10 16.87	+ 6 22.4	1.841	2.721	11.3	20.6
2 1	10 9.42	+ 6 49.4	1.799	2.741	7.4	20.4
2 11	10 0.58	+ 7 27.3	1.783	2.762	3.3	20.2
2 21	9 51.30	+ 8 11.3	1.796	2.781	2.2	20.1
3 2	9 42.61	+ 8 55.8	1.839	2.801	6.0	20.4
3 12	9 35.46	+ 9 35.9	1.909	2.820	9.8	20.7
3 22	9 30.43	+10 8.0	2.003	2.839	13.1	20.9

321280 2009 EB_{21} 2 16.2 341°.25 3°.7/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.42	+21 12.1	2.102	2.933	12.2	20.1
1 22	10 14.19	+22 4.6	2.025	2.929	9.1	19.9
2 1	10 7.86	+23 0.4	1.973	2.926	6.0	19.7
2 11	10 0.08	+23 53.0	1.949	2.923	3.8	19.5
2 21	9 51.72	+24 36.3	1.953	2.920	4.9	19.6
3 2	9 43.78	+25 5.3	1.985	2.917	8.0	19.8
3 12	9 37.21	+25 17.8	2.043	2.915	11.2	20.0
3 22	9 32.65	+25 13.6	2.123	2.913	14.0	20.2

402539 2006 GE_{1} 2 16.2 316°.12 0°.5/16.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 16.67	+ 7 47.8	1.298	2.130	18.1	21.0
1 22	10 14.08	+ 8 23.6	1.208	2.112	14.0	20.7
2 1	10 8.45	+ 9 22.2	1.139	2.094	9.1	20.4
2 11	10 0.46	+10 39.1	1.093	2.076	3.4	20.0
2 21	9 51.27	+12 5.4	1.073	2.059	2.8	19.9
3 2	9 42.40	+13 30.4	1.078	2.043	8.7	20.2
3 12	9 35.43	+14 43.6	1.106	2.027	14.3	20.5
3 22	9 31.41	+15 38.4	1.154	2.013	19.1	20.7

421417 2013 WN_{50} 2 16.2 39°.73 5°.0/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.90	+25 2.9	1.837	2.670	13.5	20.1
1 22	10 17.66	+25 44.2	1.780	2.683	10.3	20.0
2 1	10 10.00	+26 24.2	1.747	2.695	7.0	19.8
2 11	10 0.79	+26 55.5	1.740	2.709	5.0	19.7
2 21	9 51.14	+27 12.1	1.762	2.722	6.1	19.8
3 2	9 42.23	+27 10.7	1.811	2.736	9.1	20.0
3 12	9 35.11	+26 50.9	1.884	2.751	12.3	20.2
3 22	9 30.39	+26 15.0	1.979	2.765	15.0	20.4

396605 2001 RC_{18} 2 16.2 157°.26 10°.0/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 38.44	+50 19.3	2.783	3.534	11.6	22.3
1 22	10 29.24	+51 39.5	2.746	3.545	10.6	22.2
2 1	10 17.19	+52 42.5	2.733	3.554	10.0	22.2
2 11	10 3.29	+53 20.3	2.745	3.563	10.1	22.2
2 21	9 48.89	+53 28.4	2.783	3.571	10.9	22.3
3 2	9 35.50	+53 6.2	2.844	3.579	12.0	22.4
3 12	9 24.35	+52 17.2	2.926	3.585	13.2	22.5
3 22	9 16.13	+51 7.0	3.025	3.590	14.3	22.6

447219 2005 TK_{175} 2 16.2 134°.19 1°.4/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.98	+ 7 0.6	1.760	2.554	15.7	22.6
1 22	10 19.97	+ 7 14.9	1.688	2.569	12.1	22.4
2 1	10 11.50	+ 7 44.0	1.639	2.583	7.8	22.2
2 11	10 1.35	+ 8 24.4	1.617	2.597	3.3	21.9
2 21	9 50.62	+ 9 10.4	1.624	2.609	2.3	21.9
3 2	9 40.52	+ 9 55.9	1.660	2.621	6.7	22.2
3 12	9 32.14	+10 35.7	1.724	2.632	10.8	22.5
3 22	9 26.21	+11 6.1	1.811	2.643	14.4	22.7

206164 2002 TH_{222} 2 16.2 64°.77 2°.3/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.24	+ 3 37.0	2.060	2.846	14.0	20.5
1 22	10 13.82	+ 3 50.0	1.991	2.864	10.9	20.4
2 1	10 7.50	+ 4 18.4	1.945	2.882	7.4	20.2
2 11	9 59.92	+ 4 59.5	1.926	2.900	3.8	20.0
2 21	9 51.93	+ 5 48.9	1.935	2.918	2.5	19.9
3 2	9 44.42	+ 6 41.3	1.973	2.936	5.6	20.2
3 12	9 38.22	+ 7 31.3	2.039	2.954	9.1	20.4
3 22	9 33.91	+ 8 14.8	2.130	2.972	12.1	20.6

467466 2006 KC_{92} 2 16.2 133°.52 5°.4/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.76	+27 7.3	2.265	3.093	11.5	21.6
1 22	10 15.84	+28 22.4	2.201	3.098	8.9	21.5
2 1	10 8.84	+29 36.1	2.162	3.103	6.5	21.3
2 11	10 0.41	+30 40.9	2.152	3.108	5.4	21.3
2 21	9 51.47	+31 30.4	2.170	3.112	6.6	21.3
3 2	9 42.99	+32 0.5	2.216	3.117	9.0	21.5
3 12	9 35.93	+32 9.9	2.287	3.121	11.6	21.7
3 22	9 30.89	+32 0.2	2.380	3.125	13.9	21.9

199684 2006 HY_{16} 2 16.2 209°.73 0°.5/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 18.81	+ 9 3.2	2.235	3.035	12.6	21.0
1 22	10 14.28	+ 9 22.8	2.147	3.033	9.6	20.8
2 1	10 7.84	+ 9 53.4	2.084	3.032	6.1	20.6
2 11	10 0.08	+10 31.7	2.048	3.030	2.3	20.3
2 21	9 51.77	+11 13.4	2.042	3.028	1.8	20.3
3 2	9 43.80	+11 53.8	2.065	3.025	5.6	20.5
3 12	9 37.02	+12 28.5	2.117	3.023	9.2	20.7
3 22	9 32.05	+12 54.8	2.192	3.021	12.4	20.9

241877 2001 UJ_{137} 2 16.2 160°.91 7°.7/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.30	+39 19.7	2.646	3.448	10.8	21.2
1 22	10 19.87	+40 23.4	2.590	3.451	9.1	21.1
2 1	10 11.27	+41 17.0	2.560	3.455	7.9	21.0
2 11	10 1.24	+41 53.7	2.556	3.458	7.7	21.0
2 21	9 50.76	+42 8.6	2.580	3.461	8.6	21.0
3 2	9 40.90	+41 59.9	2.630	3.464	10.2	21.2
3 12	9 32.61	+41 28.9	2.704	3.466	11.9	21.3
3 22	9 26.49	+40 38.9	2.797	3.468	13.6	21.4

311286 2005 GX_{10} 2 16.2 13°.42 1°.1/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.55	+12 8.0	1.267	2.109	17.9	20.4
1 22	10 15.28	+12 44.8	1.201	2.111	13.5	20.1
2 1	10 8.99	+13 37.4	1.156	2.114	8.4	19.8
2 11	10 0.57	+14 38.5	1.135	2.119	2.9	19.5
2 21	9 51.34	+15 38.9	1.139	2.124	3.4	19.5
3 2	9 42.82	+16 29.9	1.169	2.130	8.8	19.9
3 12	9 36.41	+17 5.1	1.222	2.137	13.8	20.2
3 22	9 32.93	+17 22.0	1.295	2.144	18.0	20.5

226055 2002 GK_{134} 2 16.2 344°.31 0°.5/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.25	+12 17.0	1.882	2.699	14.0	20.5
1 22	10 15.69	+12 38.0	1.801	2.697	10.6	20.3
2 1	10 8.87	+13 9.0	1.743	2.696	6.6	20.1
2 11	10 0.47	+13 45.7	1.712	2.695	2.2	19.8
2 21	9 51.43	+14 22.6	1.710	2.695	2.4	19.8
3 2	9 42.84	+14 54.5	1.736	2.694	6.8	20.1
3 12	9 35.73	+15 17.3	1.789	2.693	10.7	20.3
3 22	9 30.80	+15 28.7	1.865	2.693	14.2	20.5

97658 2000 FC_{22} 2 16.2 25°.76 0°.8/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 16.33	+10 46.8	1.961	2.778	13.5	19.3
1 22	10 12.67	+11 48.1	1.883	2.781	10.1	19.0
2 1	10 6.94	+13 2.7	1.829	2.784	6.2	18.8
2 11	9 59.79	+14 24.7	1.803	2.787	2.1	18.6
2 21	9 52.06	+15 46.8	1.806	2.790	2.6	18.6
3 2	9 44.72	+17 2.0	1.839	2.794	6.7	18.9
3 12	9 38.72	+18 4.6	1.897	2.798	10.5	19.1
3 22	9 34.68	+18 51.3	1.979	2.802	13.7	19.3

202366 2005 EX_{260} 2 16.2 83°.30 0°.8/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.05	+12 13.8	2.133	2.946	12.7	20.2
1 22	10 13.77	+12 54.7	2.054	2.950	9.5	20.0
2 1	10 7.55	+13 45.6	2.000	2.954	5.9	19.8
2 11	9 59.98	+14 41.5	1.974	2.957	2.0	19.6
2 21	9 51.89	+15 36.9	1.978	2.961	2.4	19.6
3 2	9 44.21	+16 26.3	2.010	2.965	6.2	19.9
3 12	9 37.79	+17 5.4	2.070	2.969	9.8	20.1
3 22	9 33.25	+17 32.1	2.154	2.973	12.9	20.3

106764 2000 XG_{11} 2 16.2 178°.25 2°.5/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.58	+ 1 51.5	3.209	3.962	10.2	20.6
1 22	10 13.52	+ 1 43.7	3.113	3.964	8.1	20.4
2 1	10 7.11	+ 1 46.2	3.042	3.965	5.7	20.3
2 11	9 59.79	+ 1 58.0	3.000	3.965	3.4	20.1
2 21	9 52.09	+ 2 17.3	2.989	3.966	2.5	20.0
3 2	9 44.62	+ 2 41.4	3.009	3.965	4.3	20.2
3 12	9 37.97	+ 3 7.6	3.058	3.965	6.7	20.3
3 22	9 32.57	+ 3 32.9	3.135	3.964	9.0	20.5

170368 2003 SJ_{230} 2 16.2 201°.60 0°.8/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.18	+10 52.2	1.874	2.685	14.2	20.8
1 22	10 16.48	+11 45.5	1.788	2.682	10.8	20.6
2 1	10 9.44	+12 52.8	1.726	2.679	6.7	20.3
2 11	10 0.70	+14 8.2	1.692	2.675	2.3	20.0
2 21	9 51.22	+15 24.4	1.686	2.670	2.6	20.1
3 2	9 42.12	+16 33.9	1.710	2.665	7.1	20.3
3 12	9 34.48	+17 30.9	1.761	2.660	11.2	20.5
3 22	9 29.07	+18 12.2	1.835	2.654	14.8	20.8

66956 1999 XE_{21} 2 16.2 287°.17 3°.8/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.01	+ 1 44.6	1.366	2.170	19.0	19.6
1 22	10 16.35	+ 1 49.2	1.283	2.163	15.1	19.4
2 1	10 9.73	+ 2 19.0	1.219	2.157	10.6	19.1
2 11	10 0.90	+ 3 12.2	1.178	2.151	5.8	18.8
2 21	9 51.02	+ 4 23.3	1.162	2.145	4.0	18.6
3 2	9 41.59	+ 5 43.5	1.173	2.139	8.0	18.9
3 12	9 34.05	+ 7 2.4	1.209	2.133	13.0	19.1
3 22	9 29.37	+ 8 11.7	1.265	2.127	17.5	19.4

155367 5095 $T\text{-}_3$ 2 16.2 224°.57 4°.5/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 21.58	+23 41.6	2.234	3.059	11.8	20.4
1 22	10 16.56	+24 47.8	2.152	3.051	8.9	20.2
2 1	10 9.38	+25 56.0	2.096	3.043	6.1	20.0
2 11	10 0.66	+26 59.1	2.068	3.035	4.5	19.9
2 21	9 51.28	+27 50.3	2.069	3.026	5.7	19.9
3 2	9 42.27	+28 24.8	2.099	3.016	8.5	20.1
3 12	9 34.61	+28 40.2	2.155	3.007	11.5	20.3
3 22	9 28.99	+28 37.2	2.232	2.997	14.2	20.4

186260 2001 YZ_{18} 2 16.2 90°.17 4°.2/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.45	+22 6.5	2.044	2.867	12.8	20.3
1 22	10 18.49	+23 20.3	1.999	2.898	9.5	20.1
2 1	10 10.38	+24 35.1	1.979	2.928	6.3	20.0
2 11	10 0.93	+25 43.0	1.987	2.957	4.3	19.9
2 21	9 51.13	+26 37.5	2.026	2.986	5.4	20.1
3 2	9 42.05	+27 14.1	2.093	3.015	8.3	20.3
3 12	9 34.60	+27 31.6	2.186	3.042	11.2	20.5
3 22	9 29.35	+27 31.3	2.301	3.070	13.7	20.7

283914 2004 FQ_{121} 2 16.2 285°.02 0°.4/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.96	+ 7 13.1	1.378	2.201	17.8	20.5
1 22	10 15.65	+ 8 2.2	1.289	2.188	13.7	20.2
2 1	10 9.37	+ 9 14.9	1.221	2.174	8.8	19.9
2 11	10 0.80	+10 45.8	1.178	2.161	3.3	19.6
2 21	9 51.08	+12 25.5	1.161	2.147	2.7	19.5
3 2	9 41.72	+14 2.7	1.171	2.134	8.5	19.8
3 12	9 34.19	+15 26.9	1.205	2.120	13.9	20.0
3 22	9 29.53	+16 31.7	1.260	2.107	18.5	20.3

496103 2009 VA_{11} 2 16.2 355°.31 1°.8/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.80	+14 48.4	1.830	2.655	14.0	20.9
1 22	10 15.45	+15 29.5	1.753	2.655	10.5	20.7
2 1	10 8.77	+16 19.8	1.699	2.654	6.5	20.5
2 11	10 0.47	+17 13.5	1.671	2.654	2.5	20.2
2 21	9 51.51	+18 3.7	1.673	2.654	3.3	20.3
3 2	9 43.03	+18 44.6	1.702	2.654	7.5	20.5
3 12	9 36.07	+19 11.9	1.757	2.654	11.4	20.7
3 22	9 31.35	+19 24.2	1.835	2.654	14.8	21.0

162568 2000 RF_{38} 2 16.2 139°.35 0°.3/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.95	+ 8 39.6	1.860	2.661	14.7	21.2
1 22	10 17.66	+ 9 15.4	1.785	2.672	11.2	21.0
2 1	10 10.07	+10 5.2	1.735	2.683	7.1	20.8
2 11	10 0.90	+11 4.1	1.711	2.693	2.6	20.5
2 21	9 51.14	+12 6.0	1.717	2.703	2.1	20.5
3 2	9 41.92	+13 4.2	1.753	2.712	6.6	20.8
3 12	9 34.26	+13 53.2	1.815	2.720	10.6	21.0
3 22	9 28.83	+14 29.8	1.901	2.728	14.0	21.3

195480 2002 GK_{132} 2 16.2 328°.12 0°.4/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.53	+ 9 36.7	1.731	2.547	15.0	20.5
1 22	10 14.65	+ 9 53.7	1.644	2.539	11.5	20.2
2 1	10 8.37	+10 24.4	1.580	2.532	7.3	19.9
2 11	10 0.36	+11 4.7	1.542	2.524	2.7	19.6
2 21	9 51.59	+11 49.1	1.531	2.517	2.2	19.6
3 2	9 43.22	+12 31.5	1.549	2.511	6.9	19.9
3 12	9 36.36	+13 6.4	1.592	2.505	11.3	20.1
3 22	9 31.79	+13 30.3	1.657	2.499	15.1	20.3

288184 2003 XO 2 16.2 130°.92 15°.8/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.77	+41 56.7	1.231	2.060	19.1	20.1
1 22	10 29.06	+45 18.6	1.205	2.073	16.9	20.0
2 1	10 18.40	+48 18.4	1.202	2.085	15.8	20.0
2 11	10 4.04	+50 34.8	1.221	2.097	16.3	20.0
2 21	9 48.31	+51 54.5	1.261	2.108	18.0	20.2
3 2	9 34.06	+52 15.2	1.321	2.118	20.3	20.3
3 12	9 23.62	+51 45.3	1.395	2.127	22.5	20.5
3 22	9 18.03	+50 37.2	1.482	2.135	24.4	20.7

243736 2000 OM_7 2 16.2 221°.99 1°.9/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.63	+ 8 32.4	2.022	2.800	14.5	20.5
1 22	10 24.26	+ 7 59.4	1.918	2.790	11.3	20.2
2 1	10 14.31	+ 7 34.8	1.839	2.778	7.5	20.0
2 11	10 2.45	+ 7 17.3	1.788	2.766	3.5	19.7
2 21	9 49.69	+ 7 4.7	1.769	2.753	2.6	19.6
3 2	9 37.28	+ 6 54.7	1.781	2.739	6.6	19.8
3 12	9 26.41	+ 6 44.5	1.822	2.724	10.7	20.1
3 22	9 17.93	+ 6 31.9	1.889	2.709	14.4	20.3

181854 1998 WT_{12} 2 16.2 41°.19 4°.8/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.05	+21 3.2	1.232	2.080	17.9	19.9
1 22	10 19.94	+21 50.2	1.193	2.106	13.3	19.7
2 1	10 11.66	+22 39.8	1.176	2.133	8.5	19.5
2 11	10 1.42	+23 22.0	1.183	2.160	5.0	19.4
2 21	9 50.81	+23 48.4	1.216	2.188	6.3	19.5
3 2	9 41.43	+23 54.3	1.274	2.217	10.4	19.8
3 12	9 34.57	+23 39.4	1.355	2.246	14.4	20.1
3 22	9 30.82	+23 6.5	1.455	2.276	17.9	20.4

148979 2001 YH_{27} 2 16.2 348°.88 4°.6/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 18.72	+24 17.7	2.225	3.056	11.6	20.3
1 22	10 14.36	+25 21.1	2.152	3.054	8.8	20.1
2 1	10 7.96	+26 25.3	2.105	3.053	6.1	19.9
2 11	10 0.16	+27 23.7	2.086	3.052	4.6	19.8
2 21	9 51.82	+28 9.9	2.096	3.051	5.8	19.9
3 2	9 43.90	+28 39.5	2.133	3.050	8.4	20.0
3 12	9 37.31	+28 50.6	2.196	3.050	11.3	20.2
3 22	9 32.68	+28 44.0	2.280	3.049	13.8	20.4

153379 2001 QB_{23} 2 16.2 229°.98 2°.3/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.51	+16 0.4	1.774	2.593	14.6	20.3
1 22	10 20.03	+16 41.5	1.683	2.582	11.0	20.1
2 1	10 11.83	+17 31.6	1.615	2.569	6.9	19.8
2 11	10 1.62	+18 24.3	1.575	2.556	2.9	19.5
2 21	9 50.46	+19 12.2	1.563	2.542	3.9	19.6
3 2	9 39.68	+19 48.8	1.580	2.528	8.3	19.8
3 12	9 30.57	+20 9.9	1.623	2.513	12.6	20.0
3 22	9 24.00	+20 14.4	1.688	2.497	16.3	20.2

208246 2000 UB_{19} 2 16.2 71°.88 5°.6/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.64	+ 1 7.7	1.505	2.274	19.1	19.5
1 22	10 25.77	− 0 3.6	1.451	2.308	15.2	19.4
2 1	10 15.08	− 0 55.9	1.419	2.341	11.0	19.2
2 11	10 2.61	− 1 28.0	1.413	2.373	7.1	19.0
2 21	9 49.75	− 1 41.3	1.434	2.406	5.7	19.0
3 2	9 37.95	− 1 39.3	1.485	2.438	8.2	19.3
3 12	9 28.43	− 1 27.9	1.561	2.469	11.8	19.5
3 22	9 21.84	− 1 12.9	1.661	2.500	15.1	19.8

281873 2010 EC_{99} 2 16.2 201°.28 2°.1/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.69	+15 2.2	1.846	2.664	14.2	21.2
1 22	10 18.46	+15 52.9	1.762	2.660	10.6	20.9
2 1	10 10.73	+16 53.6	1.702	2.656	6.6	20.7
2 11	10 1.20	+17 57.5	1.670	2.652	2.7	20.4
2 21	9 50.89	+18 57.3	1.667	2.647	3.6	20.5
3 2	9 41.02	+19 46.2	1.693	2.641	7.8	20.7
3 12	9 32.73	+20 19.9	1.745	2.634	11.9	20.9
3 22	9 26.80	+20 37.0	1.820	2.627	15.4	21.1

378520 2007 VP_{20} 2 16.2 53°.52 8°.4/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.61	+36 6.6	1.908	2.725	13.8	20.0
1 22	10 22.62	+37 0.7	1.872	2.751	11.2	19.9
2 1	10 13.02	+37 42.8	1.860	2.777	9.1	19.8
2 11	10 1.85	+38 4.7	1.874	2.803	8.4	19.8
2 21	9 50.47	+38 1.3	1.915	2.829	9.3	19.9
3 2	9 40.20	+37 31.7	1.982	2.855	11.3	20.1
3 12	9 32.11	+36 39.1	2.072	2.881	13.6	20.3
3 22	9 26.74	+35 28.6	2.182	2.907	15.6	20.5

56686 2000 LB_{12} 2 16.2 213°.24 6°.4/22.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.97	− 8 28.9	2.206	2.924	15.2	19.1
1 22	10 14.54	− 8 47.2	2.108	2.919	12.9	18.9
2 1	10 8.12	− 8 43.9	2.030	2.914	10.2	18.7
2 11	10 0.26	− 8 17.8	1.977	2.908	7.8	18.6
2 21	9 51.75	− 7 30.4	1.950	2.902	6.5	18.5
3 2	9 43.48	− 6 25.5	1.952	2.896	7.3	18.5
3 12	9 36.38	− 5 9.8	1.982	2.889	9.7	18.6
3 22	9 31.11	− 3 50.3	2.036	2.881	12.5	18.8

301272 2009 BR_{84} 2 16.2 47°.72 0°.3/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.82	+ 9 59.2	1.272	2.105	18.4	20.6
1 22	10 16.83	+10 37.9	1.215	2.120	13.9	20.3
2 1	10 9.87	+11 34.2	1.179	2.135	8.6	20.1
2 11	10 0.90	+12 40.9	1.167	2.151	3.0	19.8
2 21	9 51.27	+13 48.7	1.181	2.167	2.9	19.8
3 2	9 42.49	+14 48.5	1.222	2.184	8.4	20.2
3 12	9 35.87	+15 33.7	1.286	2.201	13.2	20.5
3 22	9 32.15	+16 1.3	1.370	2.218	17.3	20.8

456883 2007 VO_{105} 2 16.2 58°.19 0°.1/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.63	+10 14.0	1.415	2.239	17.4	21.7
1 22	10 17.90	+10 36.5	1.357	2.257	13.1	21.5
2 1	10 10.40	+11 13.7	1.321	2.274	8.2	21.3
2 11	10 1.05	+11 59.9	1.310	2.293	2.9	21.0
2 21	9 51.14	+12 47.8	1.325	2.311	2.5	21.0
3 2	9 42.06	+13 30.3	1.368	2.329	7.7	21.4
3 12	9 35.00	+14 2.0	1.435	2.348	12.3	21.7
3 22	9 30.68	+14 20.3	1.524	2.367	16.1	22.0

372952 2011 BL_{85} 2 16.2 358°.99 3°.7/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.64	+19 2.7	1.595	2.435	14.9	20.5
1 22	10 15.70	+19 57.9	1.524	2.434	11.2	20.2
2 1	10 9.11	+20 59.8	1.476	2.433	7.1	20.0
2 11	10 0.65	+22 0.4	1.454	2.432	3.9	19.8
2 21	9 51.47	+22 51.2	1.459	2.432	5.3	19.9
3 2	9 42.86	+23 25.7	1.490	2.433	9.2	20.1
3 12	9 36.04	+23 40.5	1.546	2.434	13.2	20.3
3 22	9 31.79	+23 35.7	1.623	2.435	16.7	20.6

427565 2002 WA_{22} 2 16.2 95°.03 6°.2/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 18.57	−10 1.1	2.491	3.191	14.1	21.5
1 22	10 13.84	−10 22.8	2.415	3.211	11.9	21.4
2 1	10 7.46	−10 24.4	2.360	3.231	9.6	21.2
2 11	9 59.98	−10 5.6	2.330	3.250	7.4	21.1
2 21	9 52.11	− 9 27.9	2.328	3.269	6.3	21.1
3 2	9 44.62	− 8 35.0	2.353	3.288	6.8	21.2
3 12	9 38.23	− 7 32.3	2.407	3.307	8.6	21.3
3 22	9 33.46	− 6 25.8	2.486	3.325	10.7	21.5

431580 2007 VE_{44} 2 16.3 17°.10 2°.5/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.50	+ 4 22.8	2.068	2.856	13.9	20.5
1 22	10 14.17	+ 4 14.8	1.984	2.858	10.9	20.3
2 1	10 7.86	+ 4 20.6	1.923	2.860	7.4	20.0
2 11	10 0.17	+ 4 38.7	1.889	2.863	3.9	19.8
2 21	9 51.94	+ 5 5.8	1.884	2.866	2.8	19.8
3 2	9 44.10	+ 5 37.6	1.907	2.869	5.8	20.0
3 12	9 37.53	+ 6 9.5	1.957	2.873	9.3	20.2
3 22	9 32.86	+ 6 37.4	2.031	2.876	12.5	20.4

501394 2013 YQ_{78} 2 16.3 39°.07 2°.1/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.40	+ 5 31.9	2.230	3.017	13.1	20.8
1 22	10 14.71	+ 5 23.4	2.145	3.019	10.2	20.6
2 1	10 8.13	+ 5 26.8	2.083	3.022	6.9	20.4
2 11	10 0.26	+ 5 40.4	2.049	3.024	3.5	20.2
2 21	9 51.87	+ 6 1.4	2.043	3.027	2.4	20.1
3 2	9 43.86	+ 6 25.9	2.068	3.029	5.5	20.3
3 12	9 37.05	+ 6 49.9	2.119	3.032	8.9	20.5
3 22	9 32.04	+ 7 10.2	2.196	3.035	12.0	20.7

382992 2005 EV_{157} 2 16.3 303°.31 0°.2/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.46	+10 9.8	2.092	2.900	13.1	21.4
1 22	10 14.20	+10 30.8	2.004	2.895	10.0	21.2
2 1	10 7.92	+11 2.9	1.940	2.890	6.3	20.9
2 11	10 0.21	+11 42.4	1.903	2.885	2.3	20.7
2 21	9 51.90	+12 24.5	1.895	2.880	1.9	20.6
3 2	9 43.93	+13 4.1	1.916	2.876	6.0	20.9
3 12	9 37.23	+13 36.9	1.964	2.871	9.8	21.1
3 22	9 32.44	+13 59.9	2.036	2.867	13.1	21.3

256371 2006 YA_{5} 2 16.3 150°.00 0°.3/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.28	+10 38.0	1.986	2.792	13.7	21.1
1 22	10 16.35	+11 14.0	1.907	2.799	10.4	20.9
2 1	10 9.26	+12 1.7	1.853	2.804	6.5	20.7
2 11	10 0.68	+12 56.3	1.827	2.809	2.2	20.4
2 21	9 51.51	+13 52.0	1.829	2.814	2.2	20.4
3 2	9 42.80	+14 42.7	1.862	2.819	6.4	20.7
3 12	9 35.51	+15 23.9	1.921	2.823	10.3	20.9
3 22	9 30.30	+15 52.8	2.004	2.827	13.6	21.1

456709 2007 RV_{286} 2 16.3 142°.93 0°.2/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.82	+ 9 31.4	1.961	2.760	14.1	22.8
1 22	10 18.22	+10 0.6	1.886	2.772	10.7	22.6
2 1	10 10.40	+10 41.9	1.835	2.783	6.8	22.3
2 11	10 1.06	+11 31.0	1.811	2.794	2.4	22.1
2 21	9 51.17	+12 22.2	1.818	2.803	2.1	22.1
3 2	9 41.81	+13 9.6	1.854	2.812	6.3	22.4
3 12	9 33.94	+13 48.8	1.918	2.820	10.2	22.6
3 22	9 28.25	+14 16.8	2.005	2.828	13.6	22.9

104854 2000 HR_{75} 2 16.3 213°.41 1°.4/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.97	+15 29.0	2.656	3.465	10.6	21.0
1 22	10 14.20	+16 5.5	2.565	3.460	7.9	20.8
2 1	10 7.74	+16 48.0	2.501	3.453	4.9	20.6
2 11	10 0.12	+17 32.2	2.465	3.447	1.9	20.4
2 21	9 52.00	+18 13.8	2.460	3.440	2.6	20.4
3 2	9 44.16	+18 48.6	2.485	3.433	5.7	20.6
3 12	9 37.34	+19 13.9	2.539	3.425	8.7	20.8
3 22	9 32.09	+19 28.2	2.617	3.417	11.4	21.0

349893 2009 DP_{136} 2 16.3 84°.74 2°.4/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 15.85	+ 1 37.2	2.395	3.168	12.7	21.4
1 22	10 11.93	+ 2 2.7	2.311	3.175	10.0	21.2
2 1	10 6.34	+ 2 43.9	2.250	3.182	6.9	21.0
2 11	9 59.63	+ 3 38.4	2.217	3.188	3.8	20.8
2 21	9 52.46	+ 4 42.1	2.214	3.195	2.5	20.7
3 2	9 45.63	+ 5 49.8	2.240	3.202	5.1	20.9
3 12	9 39.84	+ 6 56.0	2.294	3.209	8.2	21.1
3 22	9 35.65	+ 7 56.3	2.374	3.216	11.1	21.3

150776 2001 QG_{256} 2 16.3 68°.72 5°.3/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.01	+25 20.4	1.660	2.487	15.1	19.3
1 22	10 23.01	+25 59.1	1.616	2.515	11.4	19.1
2 1	10 13.32	+26 34.9	1.597	2.544	7.7	19.0
2 11	10 2.02	+26 59.8	1.604	2.572	5.4	18.9
2 21	9 50.44	+27 7.7	1.639	2.601	6.4	19.0
3 2	9 39.96	+26 56.1	1.702	2.629	9.6	19.3
3 12	9 31.69	+26 25.9	1.790	2.656	12.8	19.5
3 22	9 26.21	+25 40.6	1.900	2.684	15.7	19.8

111351 2001 XZ_{107} 2 16.3 185°.35 6°.9/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 18.36	−15 29.8	3.162	3.806	12.3	20.5
1 22	10 13.53	−16 7.9	3.062	3.806	10.8	20.4
2 1	10 7.24	−16 28.5	2.982	3.805	9.2	20.3
2 11	9 59.94	−16 30.2	2.927	3.804	7.8	20.2
2 21	9 52.18	−16 12.9	2.899	3.803	6.9	20.1
3 2	9 44.60	−15 38.4	2.899	3.801	7.1	20.1
3 12	9 37.84	−14 50.2	2.926	3.798	8.2	20.2
3 22	9 32.39	−13 53.2	2.979	3.795	9.8	20.3

428406 2007 TK_{55} 2 16.3 149°.47 3°.9/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.30	− 2 29.3	2.557	3.303	12.7	21.3
1 22	10 12.93	− 2 29.0	2.467	3.308	10.3	21.1
2 1	10 6.94	− 2 12.7	2.401	3.312	7.6	20.9
2 11	9 59.84	− 1 41.1	2.361	3.316	5.0	20.8
2 21	9 52.29	− 0 56.8	2.350	3.321	3.9	20.7
3 2	9 45.02	− 0 3.8	2.369	3.324	5.4	20.8
3 12	9 38.77	+ 0 53.0	2.416	3.328	8.0	21.0
3 22	9 34.04	+ 1 48.8	2.489	3.331	10.6	21.2

350211 2012 RO_{22} 2 16.3 168°.21 0°.2/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.07	+10 47.5	2.544	3.344	11.2	21.9
1 22	10 13.53	+11 19.7	2.458	3.346	8.5	21.8
2 1	10 7.32	+12 1.0	2.399	3.349	5.3	21.6
2 11	9 59.97	+12 47.7	2.368	3.350	1.8	21.3
2 21	9 52.17	+13 35.4	2.367	3.352	1.8	21.3
3 2	9 44.68	+14 19.7	2.397	3.353	5.2	21.6
3 12	9 38.24	+14 57.1	2.455	3.354	8.4	21.8
3 22	9 33.39	+15 25.1	2.538	3.355	11.2	21.9

429013 2009 BX_{103} 2 16.3 291°.65 0°.3/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 15.74	+ 7 57.0	2.261	3.063	12.4	21.0
1 22	10 12.07	+ 8 43.0	2.166	3.054	9.5	20.8
2 1	10 6.57	+ 9 42.7	2.096	3.044	6.0	20.6
2 11	9 59.75	+10 52.2	2.053	3.035	2.2	20.3
2 21	9 52.35	+12 6.1	2.040	3.026	1.8	20.3
3 2	9 45.19	+13 18.1	2.057	3.017	5.7	20.5
3 12	9 39.12	+14 22.9	2.102	3.008	9.3	20.7
3 22	9 34.76	+15 16.3	2.171	2.999	12.5	20.9

288973 2004 TQ_{41} 2 16.3 220°.14 0°.9/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.92	+ 8 18.7	1.897	2.695	14.6	21.1
1 22	10 18.61	+ 8 35.2	1.802	2.686	11.3	20.8
2 1	10 10.85	+ 9 5.4	1.730	2.676	7.3	20.6
2 11	10 1.31	+ 9 45.8	1.685	2.666	2.9	20.3
2 21	9 50.93	+10 31.4	1.669	2.655	2.1	20.2
3 2	9 40.87	+11 16.4	1.683	2.643	6.7	20.4
3 12	9 32.27	+11 55.3	1.724	2.631	10.9	20.7
3 22	9 25.94	+12 24.6	1.788	2.617	14.7	20.9

498201 2007 TH_{377} 2 16.3 89°.38 1°.5/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.69	+ 5 48.3	2.308	3.095	12.7	21.7
1 22	10 14.04	+ 6 2.4	2.233	3.109	9.8	21.5
2 1	10 7.63	+ 6 29.0	2.183	3.124	6.4	21.4
2 11	10 0.07	+ 7 5.2	2.161	3.138	3.0	21.2
2 21	9 52.11	+ 7 47.1	2.168	3.153	2.0	21.1
3 2	9 44.56	+ 8 30.2	2.205	3.167	5.2	21.4
3 12	9 38.20	+ 9 10.1	2.270	3.181	8.5	21.6
3 22	9 33.55	+ 9 43.6	2.360	3.195	11.4	21.8

28315 1999 CD_{101} 2 16.3 167°.50 2°.1/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.61	+17 30.9	2.393	3.210	11.3	19.2
1 22	10 14.81	+18 9.4	2.313	3.211	8.5	19.0
2 1	10 8.17	+18 52.8	2.259	3.213	5.3	18.8
2 11	10 0.29	+19 36.1	2.234	3.214	2.4	18.6
2 21	9 51.91	+20 14.4	2.238	3.215	3.3	18.7
3 2	9 43.92	+20 43.6	2.272	3.216	6.4	18.9
3 12	9 37.11	+21 1.0	2.333	3.216	9.5	19.1
3 22	9 32.08	+21 5.8	2.419	3.217	12.3	19.3

435908 2009 BL_{29} 2 16.3 53°.18 2°.0/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.95	+15 11.8	2.022	2.846	12.9	21.1
1 22	10 13.80	+16 5.8	1.955	2.857	9.6	20.9
2 1	10 7.62	+17 7.9	1.913	2.868	5.9	20.7
2 11	10 0.10	+18 11.8	1.898	2.880	2.4	20.5
2 21	9 52.10	+19 11.2	1.912	2.892	3.3	20.5
3 2	9 44.58	+20 0.5	1.955	2.903	7.0	20.8
3 12	9 38.43	+20 35.8	2.025	2.916	10.4	21.0
3 22	9 34.25	+20 56.0	2.117	2.928	13.4	21.2

25968 2001 FZ_{30} 2 16.3 221°.77 1°.7/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.48	+14 9.9	1.741	2.557	15.0	19.4
1 22	10 20.04	+14 49.7	1.651	2.548	11.3	19.1
2 1	10 11.89	+15 40.5	1.584	2.538	7.1	18.8
2 11	10 1.71	+16 36.0	1.544	2.527	2.6	18.5
2 21	9 50.59	+17 29.0	1.533	2.515	3.4	18.6
3 2	9 39.85	+18 12.4	1.551	2.503	8.1	18.8
3 12	9 30.80	+18 41.6	1.595	2.490	12.5	19.0
3 22	9 24.30	+18 54.8	1.661	2.476	16.3	19.2

354105 2001 YS_{79} 2 16.3 32°.72 2°.7/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.42	+ 7 9.4	1.192	2.018	19.8	20.1
1 22	10 19.00	+ 6 41.8	1.131	2.028	15.4	19.9
2 1	10 11.36	+ 6 32.3	1.090	2.039	10.2	19.6
2 11	10 1.50	+ 6 38.4	1.072	2.051	4.8	19.3
2 21	9 50.87	+ 6 55.3	1.078	2.063	3.4	19.3
3 2	9 41.15	+ 7 16.8	1.110	2.076	8.3	19.6
3 12	9 33.76	+ 7 36.4	1.165	2.090	13.3	19.9
3 22	9 29.52	+ 7 49.4	1.241	2.105	17.7	20.2

172408 2003 BL_{75} 2 16.3 355°.58 5°.1/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.62	+25 50.6	2.165	2.996	11.8	20.0
1 22	10 15.13	+26 53.4	2.094	2.995	9.1	19.8
2 1	10 8.51	+27 55.8	2.049	2.994	6.4	19.6
2 11	10 0.44	+28 50.6	2.032	2.994	5.1	19.5
2 21	9 51.81	+29 31.5	2.042	2.993	6.3	19.6
3 2	9 43.64	+29 54.3	2.081	2.993	8.9	19.8
3 12	9 36.88	+29 57.5	2.144	2.993	11.7	19.9
3 22	9 32.18	+29 42.3	2.229	2.993	14.2	20.1

74696 1999 RR_{141} 2 16.3 208°.21 0°.1/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.44	+10 9.0	1.709	2.516	15.6	20.5
1 22	10 19.99	+10 35.3	1.620	2.511	11.9	20.3
2 1	10 11.84	+11 15.6	1.554	2.504	7.6	20.0
2 11	10 1.69	+12 5.2	1.515	2.497	2.7	19.7
2 21	9 50.64	+12 57.6	1.504	2.490	2.4	19.6
3 2	9 40.00	+13 45.9	1.522	2.481	7.4	19.9
3 12	9 31.04	+14 24.4	1.567	2.471	12.0	20.2
3 22	9 24.64	+14 50.1	1.634	2.461	15.9	20.4

418409 2008 KC_{31} 2 16.3 303°.73 2°.8/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.28	+ 1 59.5	1.762	2.553	15.8	21.2
1 22	10 13.70	+ 2 23.5	1.672	2.546	12.5	21.0
2 1	10 7.82	+ 3 8.8	1.603	2.540	8.7	20.7
2 11	10 0.26	+ 4 12.7	1.560	2.534	4.6	20.5
2 21	9 51.93	+ 5 29.9	1.545	2.528	3.0	20.4
3 2	9 43.95	+ 6 52.9	1.558	2.522	6.6	20.6
3 12	9 37.39	+ 8 13.4	1.597	2.517	10.8	20.8
3 22	9 33.01	+ 9 24.7	1.659	2.511	14.6	21.0

159349 2007 DL_{4} 2 16.3 0°.99 3°.9/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 12.10	− 1 41.9	1.356	2.160	19.1	19.3
1 22	10 10.30	− 0 59.8	1.279	2.157	15.3	19.0
2 1	10 5.90	+ 0 14.6	1.220	2.156	10.9	18.8
2 11	9 59.62	+ 1 58.4	1.184	2.156	6.3	18.5
2 21	9 52.52	+ 4 3.4	1.174	2.157	4.0	18.4
3 2	9 45.90	+ 6 17.1	1.190	2.159	7.5	18.6
3 12	9 41.00	+ 8 25.8	1.232	2.163	12.2	18.9
3 22	9 38.63	+10 18.8	1.295	2.168	16.5	19.1

221365 2005 WD_{161} 2 16.3 79°.86 3°.1/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.35	+ 2 11.9	1.951	2.725	15.1	20.8
1 22	10 17.66	+ 2 10.4	1.892	2.755	11.9	20.6
2 1	10 9.92	+ 2 25.5	1.855	2.786	8.2	20.4
2 11	10 0.88	+ 2 54.8	1.846	2.816	4.5	20.3
2 21	9 51.49	+ 3 34.3	1.865	2.845	3.2	20.2
3 2	9 42.75	+ 4 18.8	1.913	2.874	5.9	20.5
3 12	9 35.54	+ 5 2.9	1.990	2.903	9.4	20.7
3 22	9 30.42	+ 5 42.1	2.091	2.931	12.4	21.0

383796 2007 WO_{49} 2 16.3 178°.41 3°.5/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.89	+21 34.7	2.440	3.264	10.9	21.1
1 22	10 14.32	+22 34.4	2.364	3.265	8.2	20.9
2 1	10 7.91	+23 36.9	2.314	3.265	5.4	20.7
2 11	10 0.23	+24 36.1	2.293	3.265	3.5	20.6
2 21	9 52.05	+25 26.3	2.302	3.265	4.6	20.7
3 2	9 44.23	+26 3.2	2.339	3.265	7.3	20.8
3 12	9 37.59	+26 24.5	2.403	3.265	10.1	21.0
3 22	9 32.71	+26 30.1	2.490	3.265	12.6	21.2

431267 2006 UE_{76} 2 16.3 167°.83 4°.1/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.47	+25 19.7	2.636	3.456	10.3	21.8
1 22	10 15.37	+26 9.3	2.562	3.458	7.8	21.6
2 1	10 8.49	+26 58.2	2.516	3.460	5.5	21.4
2 11	10 0.41	+27 41.0	2.498	3.462	4.1	21.4
2 21	9 51.90	+28 12.8	2.509	3.463	5.1	21.4
3 2	9 43.78	+28 30.3	2.550	3.464	7.4	21.6
3 12	9 36.83	+28 32.4	2.617	3.465	9.9	21.7
3 22	9 31.60	+28 19.7	2.708	3.466	12.1	21.9

368975 2007 CC_{62} 2 16.3 16°.41 6°.7/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.23	− 3 36.6	1.748	2.505	17.2	20.5
1 22	10 17.41	− 4 35.3	1.664	2.506	14.3	20.3
2 1	10 10.13	− 5 14.2	1.601	2.508	11.1	20.1
2 11	10 1.08	− 5 31.4	1.563	2.509	8.1	19.9
2 21	9 51.26	− 5 27.2	1.550	2.511	6.7	19.9
3 2	9 41.87	− 5 4.9	1.564	2.513	8.3	19.9
3 12	9 34.02	− 4 30.3	1.604	2.516	11.3	20.1
3 22	9 28.52	− 3 50.3	1.667	2.518	14.5	20.3

76480 2000 FH_{63} 2 16.3 43°.74 4°.3/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 17.64	− 1 43.2	2.134	2.895	14.4	19.0
1 22	10 13.52	− 1 51.2	2.047	2.897	11.7	18.8
2 1	10 7.48	− 1 41.0	1.982	2.899	8.6	18.6
2 11	10 0.10	− 1 13.3	1.942	2.901	5.6	18.4
2 21	9 52.16	− 0 31.0	1.931	2.903	4.3	18.3
3 2	9 44.56	+ 0 21.5	1.948	2.906	6.1	18.4
3 12	9 38.16	+ 1 18.3	1.992	2.908	9.2	18.6
3 22	9 33.59	+ 2 13.7	2.061	2.911	12.2	18.8

210585 1999 VT_{191} 2 16.3 201°.83 1°.1/15.3 18

1 12	10 22.57	+13 1.6	2.078	2.886	13.1	21.3
1 22	10 17.37	+13 42.5	1.989	2.882	9.9	21.0
2 1	10 9.97	+14 33.4	1.925	2.877	6.1	20.8
2 11	10 1.00	+15 29.2	1.889	2.872	2.2	20.5
2 21	9 51.34	+16 23.7	1.884	2.866	2.7	20.5
3 2	9 42.05	+17 11.3	1.907	2.860	6.7	20.8
3 12	9 34.11	+17 47.6	1.959	2.853	10.5	21.0
3 22	9 28.24	+18 10.5	2.034	2.845	13.8	21.2

427466 2001 US_{128} 2 16.3 73°.71 6°.6/10.8 18

1 12	10 27.22	+32 51.9	2.228	3.044	12.1	20.7
1 22	10 20.56	+33 40.7	2.183	3.066	9.6	20.6
2 1	10 11.70	+34 21.5	2.163	3.089	7.5	20.5
2 11	10 1.50	+34 47.6	2.171	3.111	6.6	20.4
2 21	9 51.01	+34 54.1	2.207	3.133	7.5	20.5
3 2	9 41.35	+34 39.4	2.270	3.155	9.6	20.7
3 12	9 33.44	+34 4.9	2.358	3.177	11.8	20.9
3 22	9 27.84	+33 14.1	2.468	3.199	13.9	21.1

432906 2011 QA_3 2 16.3 195°.25 2°.0/18.8 17

1 12	10 16.24	+ 2 9.5	3.099	3.860	10.3	22.6
1 22	10 11.92	+ 2 30.2	3.000	3.857	8.2	22.5
2 1	10 6.23	+ 3 2.8	2.925	3.854	5.6	22.3
2 11	9 59.62	+ 3 45.5	2.880	3.850	3.1	22.1
2 21	9 52.61	+ 4 35.5	2.865	3.846	2.1	22.1
3 2	9 45.79	+ 5 29.2	2.881	3.841	4.2	22.2
3 12	9 39.77	+ 6 22.6	2.927	3.837	6.8	22.4
3 22	9 34.99	+ 7 12.4	3.000	3.831	9.3	22.5

227605 2006 AM_{70} 2 16.3 324°.27 1°.1/17.1 18

1 12	10 20.01	+ 7 54.2	1.943	2.745	14.2	20.3
1 22	10 15.49	+ 8 4.0	1.859	2.744	10.9	20.1
2 1	10 8.80	+ 8 26.7	1.798	2.744	7.1	19.9
2 11	10 0.59	+ 8 59.3	1.763	2.743	2.9	19.6
2 21	9 51.75	+ 9 37.2	1.757	2.743	2.0	19.6
3 2	9 43.31	+10 15.4	1.780	2.742	6.2	19.8
3 12	9 36.26	+10 48.8	1.830	2.742	10.1	20.1
3 22	9 31.29	+11 14.2	1.903	2.741	13.6	20.3

426559 2013 RU_{92} 2 16.3 174°.36 0°.3/15.9 16

1 12	10 20.81	+11 31.7	2.521	3.318	11.4	22.3
1 22	10 15.61	+12 0.0	2.435	3.321	8.6	22.1
2 1	10 8.65	+12 36.6	2.374	3.324	5.4	21.9
2 11	10 0.49	+13 17.9	2.343	3.325	1.8	21.7
2 21	9 51.85	+13 59.5	2.342	3.327	1.9	21.7
3 2	9 43.55	+14 37.4	2.372	3.327	5.4	21.9
3 12	9 36.35	+15 8.0	2.431	3.327	8.6	22.1
3 22	9 30.82	+15 29.4	2.514	3.327	11.4	22.3

307700 2003 UC_{61} 2 16.3 157°.33 4°.4/12.7 18

1 12	10 23.97	+21 6.6	1.807	2.635	13.9	20.4
1 22	10 18.72	+22 15.2	1.737	2.640	10.5	20.2
2 1	10 10.92	+23 28.0	1.692	2.644	6.9	20.0
2 11	10 1.34	+24 36.7	1.675	2.648	4.4	19.8
2 21	9 51.09	+25 32.9	1.686	2.652	5.8	19.9
3 2	9 41.42	+26 10.7	1.725	2.655	9.2	20.1
3 12	9 33.47	+26 27.6	1.789	2.657	12.7	20.3
3 22	9 28.00	+26 24.6	1.875	2.660	15.8	20.5

88937 2001 TQ_{33} 2 16.3 150°.03 2°.7/14.4 18

1 12	10 27.44	+17 48.3	1.810	2.627	14.4	20.3
1 22	10 21.20	+18 26.0	1.739	2.636	10.8	20.1
2 1	10 12.39	+19 9.4	1.692	2.645	6.8	19.9
2 11	10 1.84	+19 51.7	1.673	2.653	3.1	19.6
2 21	9 50.68	+20 26.3	1.683	2.660	4.1	19.7
3 2	9 40.17	+20 48.1	1.722	2.666	8.0	20.0
3 12	9 31.45	+20 54.7	1.787	2.672	11.9	20.2
3 22	9 25.26	+20 46.3	1.875	2.677	15.2	20.4

405005 2000 UJ_{18} 2 16.3 29°.42 6°.3/12.1 18

1 12	10 20.20	+23 18.1	1.249	2.106	17.1	19.3
1 22	10 16.49	+24 37.2	1.210	2.126	12.9	19.1
2 1	10 9.68	+25 57.2	1.194	2.148	8.7	18.9
2 11	10 0.89	+27 6.1	1.201	2.171	6.3	18.9
2 21	9 51.60	+27 54.0	1.233	2.196	7.9	19.0
3 2	9 43.38	+28 15.5	1.290	2.221	11.5	19.3
3 12	9 37.51	+28 10.2	1.369	2.247	15.2	19.6
3 22	9 34.60	+27 41.7	1.466	2.274	18.4	19.9

43549 2001 FN_{16} 2 16.3 282°.56 0°.1/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 18.54	+10 12.0	2.061	2.870	13.2	19.3
1 22	10 14.29	+10 43.6	1.977	2.869	10.0	19.1
2 1	10 8.01	+11 26.8	1.917	2.868	6.3	18.9
2 11	10 0.31	+12 17.6	1.885	2.867	2.2	18.6
2 21	9 52.02	+13 10.4	1.881	2.867	2.0	18.6
3 2	9 44.10	+13 59.7	1.907	2.866	6.1	18.9
3 12	9 37.47	+14 40.7	1.960	2.865	9.9	19.1
3 22	9 32.78	+15 10.6	2.036	2.864	13.2	19.3

429052 2009 DE_{52} 2 16.3 118°.04 1°.0/15.1 18

1 12	10 16.85	+11 31.6	2.419	3.226	11.5	21.0
1 22	10 12.73	+12 43.5	2.341	3.234	8.6	20.8
2 1	10 6.89	+14 6.0	2.289	3.242	5.3	20.6
2 11	9 59.88	+15 33.5	2.267	3.250	1.8	20.4
2 21	9 52.41	+16 59.8	2.276	3.258	2.4	20.4
3 2	9 45.26	+18 18.8	2.315	3.265	5.9	20.7
3 12	9 39.19	+19 25.8	2.382	3.272	9.1	20.9
3 22	9 34.76	+20 18.3	2.475	3.280	11.8	21.1

246371 2007 TO_{400} 2 16.3 8°.78 4°.5/12.6 18

1 12	10 20.64	+23 26.2	1.939	2.772	12.9	20.4
1 22	10 16.05	+24 13.2	1.869	2.773	9.8	20.2
2 1	10 9.16	+25 1.2	1.823	2.774	6.6	20.0
2 11	10 0.71	+25 43.1	1.805	2.776	4.5	19.9
2 21	9 51.69	+26 12.7	1.815	2.778	5.7	20.0
3 2	9 43.21	+26 25.5	1.852	2.780	8.7	20.2
3 12	9 36.31	+26 20.2	1.914	2.783	12.0	20.4
3 22	9 31.64	+25 57.9	1.997	2.786	14.8	20.6

501328 2013 XL_6 2 16.3 92°.32 1°.8/17.8 18

1 12	10 20.66	+ 6 12.5	2.194	2.982	13.2	21.0
1 22	10 15.64	+ 6 9.9	2.117	2.993	10.2	20.9
2 1	10 8.71	+ 6 19.3	2.063	3.003	6.8	20.7
2 11	10 0.52	+ 6 38.3	2.037	3.014	3.2	20.5
2 21	9 51.86	+ 7 3.6	2.040	3.024	2.2	20.4
3 2	9 43.65	+ 7 31.3	2.073	3.035	5.5	20.6
3 12	9 36.70	+ 7 57.3	2.134	3.045	8.9	20.9
3 22	9 31.61	+ 8 18.3	2.219	3.055	12.0	21.1

335661 2006 SE_{63} 2 16.3 161°.32 3°.4/12.9 18

1 12	10 20.91	+22 39.9	2.547	3.366	10.7	21.1
1 22	10 15.72	+23 20.1	2.471	3.369	8.0	21.0
2 1	10 8.72	+24 1.1	2.422	3.371	5.3	20.8
2 11	10 0.52	+24 37.8	2.402	3.373	3.4	20.7
2 21	9 51.87	+25 5.6	2.411	3.375	4.4	20.7
3 2	9 43.63	+25 21.0	2.450	3.377	7.0	20.9
3 12	9 36.58	+25 22.5	2.516	3.379	9.7	21.1
3 22	9 31.29	+25 10.6	2.605	3.380	12.1	21.3

473768 2016 EQ_{60} 2 16.3 27°.39 0°.7/15.7 18

1 12	10 18.92	+10 48.3	1.586	2.411	15.7	21.3
1 22	10 15.11	+11 36.3	1.513	2.414	11.9	21.0
2 1	10 8.76	+12 39.4	1.462	2.417	7.4	20.8
2 11	10 0.62	+13 51.4	1.437	2.420	2.5	20.5
2 21	9 51.76	+15 4.1	1.439	2.424	2.8	20.5
3 2	9 43.43	+16 9.4	1.469	2.428	7.6	20.8
3 12	9 36.79	+17 1.0	1.524	2.432	12.1	21.1
3 22	9 32.61	+17 35.8	1.601	2.436	15.8	21.3

100302 1995 FQ_{14} 2 16.3 122°.84 2°.5/18.8 18

1 12	10 19.52	+ 1 6.3	2.148	2.918	14.0	20.9
1 22	10 14.83	+ 1 40.1	2.070	2.933	11.0	20.7
2 1	10 8.24	+ 2 31.9	2.016	2.947	7.6	20.5
2 11	10 0.37	+ 3 38.7	1.989	2.961	4.1	20.3
2 21	9 52.01	+ 4 55.5	1.992	2.974	2.7	20.2
3 2	9 44.08	+ 6 15.7	2.025	2.987	5.5	20.5
3 12	9 37.41	+ 7 33.0	2.086	2.999	9.0	20.7
3 22	9 32.59	+ 8 42.0	2.173	3.011	12.1	20.9

60945 2000 JV_{56} 2 16.3 209°.36 2°.5/18.3 18

1 12	10 22.06	+ 3 10.2	1.832	2.616	15.6	20.2
1 22	10 17.27	+ 3 26.6	1.739	2.611	12.3	19.9
2 1	10 10.07	+ 4 1.9	1.669	2.606	8.4	19.7
2 11	10 1.10	+ 4 53.7	1.625	2.599	4.3	19.4
2 21	9 51.32	+ 5 56.9	1.609	2.592	2.9	19.3
3 2	9 41.88	+ 7 4.9	1.622	2.585	6.6	19.5
3 12	9 33.89	+ 8 10.6	1.663	2.577	10.8	19.7
3 22	9 28.16	+ 9 8.1	1.727	2.568	14.6	20.0

160900 2001 SZ_{306} 2 16.3 55°.68 0°.6/16.7 18

1 12	10 20.26	+ 7 17.8	1.514	2.329	16.9	20.2
1 22	10 15.93	+ 8 4.8	1.461	2.354	12.8	20.0
2 1	10 9.12	+ 9 9.4	1.430	2.380	8.1	19.8
2 11	10 0.69	+10 25.4	1.424	2.406	3.0	19.6
2 21	9 51.80	+11 44.3	1.446	2.432	2.3	19.6
3 2	9 43.67	+12 57.6	1.496	2.459	7.1	19.9
3 12	9 37.37	+13 58.8	1.572	2.485	11.4	20.3
3 22	9 33.53	+14 44.2	1.670	2.511	15.0	20.5

241151 2007 RT_{37} 2 16.3 230°.37 0°.0/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.84	+ 9 32.0	1.982	2.782	14.0	21.7
1 22	10 17.79	+10 8.2	1.882	2.769	10.7	21.5
2 1	10 10.38	+10 58.1	1.806	2.755	6.8	21.2
2 11	10 1.23	+11 57.6	1.758	2.740	2.4	20.9
2 21	9 51.21	+13 0.6	1.739	2.724	2.2	20.8
3 2	9 41.44	+14 0.5	1.750	2.708	6.7	21.1
3 12	9 33.02	+14 51.6	1.789	2.691	10.9	21.3
3 22	9 26.76	+15 30.2	1.851	2.673	14.6	21.5

381623 2008 XN_{24} 2 16.3 40°.14 9°.0/ 8.4 18

1 12	10 24.33	+36 5.4	1.886	2.712	13.5	20.2
1 22	10 19.11	+37 28.5	1.838	2.721	11.2	20.1
2 1	10 11.17	+38 41.4	1.815	2.729	9.4	20.0
2 11	10 1.44	+39 34.5	1.817	2.738	9.0	20.0
2 21	9 51.15	+40 0.9	1.844	2.748	10.2	20.1
3 2	9 41.68	+39 57.8	1.896	2.758	12.3	20.2
3 12	9 34.20	+39 27.1	1.970	2.768	14.6	20.4
3 22	9 29.39	+38 33.5	2.063	2.778	16.7	20.6

337047 1996 TM_{29} 2 16.3 128°.21 0°.2/16.1 17

1 12	10 18.94	+11 16.7	2.651	3.449	10.9	22.2
1 22	10 14.08	+11 45.1	2.574	3.461	8.2	22.0
2 1	10 7.64	+12 21.4	2.523	3.472	5.1	21.8
2 11	10 0.15	+13 2.0	2.501	3.484	1.8	21.6
2 21	9 52.29	+13 43.0	2.510	3.494	1.7	21.6
3 2	9 44.78	+14 20.5	2.549	3.505	5.0	21.9
3 12	9 38.32	+14 51.3	2.617	3.515	8.0	22.1
3 22	9 33.40	+15 13.4	2.710	3.525	10.6	22.3

192512 1998 QB_{76} 2 16.3 191°.68 0°.9/17.0 17

1 12	10 22.93	+ 9 16.0	2.448	3.236	12.0	20.5
1 22	10 17.26	+ 9 11.0	2.356	3.235	9.2	20.3
2 1	10 9.73	+ 9 14.5	2.289	3.233	6.0	20.1
2 11	10 0.92	+ 9 24.1	2.251	3.231	2.4	19.9
2 21	9 51.59	+ 9 37.0	2.243	3.229	1.7	19.8
3 2	9 42.60	+ 9 50.0	2.267	3.226	5.3	20.1
3 12	9 34.77	+10 0.2	2.319	3.223	8.6	20.3
3 22	9 28.69	+10 5.3	2.396	3.219	11.6	20.4

359763 2011 UA_{113} 2 16.3 89°.77 5°.6/12.2 18

1 12	10 25.34	+23 34.1	1.558	2.395	15.4	20.4
1 22	10 20.03	+24 45.8	1.502	2.407	11.7	20.2
2 1	10 11.83	+25 59.0	1.469	2.420	7.9	20.0
2 11	10 1.70	+27 3.5	1.463	2.432	5.7	19.9
2 21	9 50.95	+27 50.2	1.484	2.444	7.1	20.0
3 2	9 41.03	+28 13.8	1.531	2.457	10.5	20.2
3 12	9 33.21	+28 13.3	1.603	2.469	14.1	20.5
3 22	9 28.22	+27 51.3	1.694	2.480	17.2	20.7

473792 2016 EN_{88} 2 16.3 304°.95 4°.3/13.2 16

1 12	10 22.66	+21 35.0	1.683	2.518	14.5	21.0
1 22	10 18.07	+22 19.1	1.600	2.506	11.0	20.7
2 1	10 10.73	+23 7.2	1.540	2.493	7.3	20.5
2 11	10 1.38	+23 51.2	1.506	2.481	4.5	20.3
2 21	9 51.16	+24 23.6	1.500	2.469	5.8	20.3
3 2	9 41.42	+24 38.5	1.520	2.458	9.5	20.5
3 12	9 33.46	+24 33.5	1.565	2.446	13.5	20.7
3 22	9 28.12	+24 9.6	1.631	2.435	17.0	20.9

31255 1998 DL_{27} 2 16.3 340°.73 1°.6/14.9 18

1 12	10 19.35	+15 51.9	2.104	2.924	12.6	18.7
1 22	10 14.91	+16 17.6	2.021	2.921	9.4	18.5
2 1	10 8.41	+16 49.7	1.963	2.918	5.8	18.3
2 11	10 0.49	+17 23.5	1.932	2.915	2.3	18.0
2 21	9 52.00	+17 53.9	1.931	2.912	3.0	18.1
3 2	9 43.91	+18 16.6	1.958	2.909	6.7	18.3
3 12	9 37.15	+18 28.5	2.012	2.907	10.2	18.5
3 22	9 32.34	+18 28.4	2.089	2.905	13.3	18.7

483748 2005 UD_{86} 2 16.3 234°.66 4°.0/13.3 18

1 12	10 25.69	+19 30.1	1.674	2.502	14.9	22.1
1 22	10 20.45	+20 32.2	1.588	2.490	11.3	21.9
2 1	10 12.30	+21 41.9	1.524	2.478	7.3	21.6
2 11	10 1.97	+22 50.6	1.488	2.464	4.2	21.4
2 21	9 50.62	+23 49.1	1.479	2.450	5.6	21.4
3 2	9 39.67	+24 29.8	1.499	2.436	9.7	21.6
3 12	9 30.53	+24 49.1	1.543	2.421	13.9	21.9
3 22	9 24.13	+24 47.2	1.609	2.405	17.5	22.1

150828 2001 SJ_{21} 2 16.3 38°.12 4°.4/13.4 18

1 12	10 22.01	+19 57.0	1.337	2.184	16.8	19.0
1 22	10 17.66	+20 54.6	1.291	2.203	12.5	18.8
2 1	10 10.37	+21 56.9	1.267	2.224	8.0	18.6
2 11	10 1.17	+22 54.2	1.268	2.245	4.6	18.5
2 21	9 51.47	+23 37.4	1.295	2.267	6.0	18.6
3 2	9 42.76	+24 0.7	1.347	2.290	10.0	18.9
3 12	9 36.26	+24 2.5	1.423	2.313	14.0	19.2
3 22	9 32.64	+23 44.5	1.519	2.337	17.4	19.5

174440 2002 XQ_{39} 2 16.3 213°.44 7°.0/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 20.88	− 9 45.0	2.507	3.204	14.1	19.8
1 22	10 15.80	−10 42.8	2.411	3.202	12.1	19.7
2 1	10 8.88	−11 23.3	2.336	3.200	9.9	19.5
2 11	10 0.66	−11 44.3	2.287	3.198	8.0	19.4
2 21	9 51.83	−11 45.5	2.264	3.196	7.0	19.3
3 2	9 43.23	−11 28.5	2.270	3.194	7.6	19.3
3 12	9 35.67	−10 57.5	2.303	3.191	9.4	19.5
3 22	9 29.78	−10 17.6	2.360	3.189	11.6	19.6

13828 1999 WL_6 2 16.3 124°.95 1°.4/15.1 18

1 12	10 20.03	+14 11.0	2.156	2.970	12.5	19.6
1 22	10 15.30	+14 51.9	2.081	2.977	9.4	19.4
2 1	10 8.60	+15 40.9	2.030	2.984	5.8	19.2
2 11	10 0.54	+16 32.8	2.008	2.990	2.1	18.9
2 21	9 51.98	+17 22.1	2.015	2.996	2.8	19.0
3 2	9 43.86	+18 3.6	2.051	3.002	6.4	19.2
3 12	9 37.04	+18 33.9	2.115	3.008	9.9	19.5
3 22	9 32.13	+18 51.4	2.202	3.014	12.9	19.7

151521 2002 RB_2 2 16.3 120°.28 0°.6/15.9 18

1 12	10 28.29	+12 26.8	1.543	2.357	16.6	20.5
1 22	10 22.11	+12 43.1	1.477	2.371	12.6	20.3
2 1	10 13.09	+13 10.6	1.433	2.385	7.8	20.0
2 11	10 2.16	+13 43.6	1.416	2.399	2.7	19.7
2 21	9 50.59	+14 15.7	1.427	2.411	2.7	19.8
3 2	9 39.82	+14 41.1	1.466	2.424	7.7	20.1
3 12	9 31.11	+14 55.8	1.531	2.436	12.2	20.4
3 22	9 25.20	+14 58.4	1.619	2.447	16.0	20.7

431185 2006 SZ_{62} 2 16.3 129°.81 2°.1/13.9 17

1 12	10 19.30	+18 34.7	2.982	3.792	9.5	22.1
1 22	10 14.21	+19 17.0	2.912	3.807	7.1	21.9
2 1	10 7.66	+20 2.3	2.870	3.821	4.4	21.8
2 11	10 0.17	+20 46.2	2.857	3.835	2.2	21.7
2 21	9 52.35	+21 24.9	2.876	3.849	3.0	21.7
3 2	9 44.88	+21 55.2	2.925	3.862	5.5	21.9
3 12	9 38.40	+22 15.0	3.002	3.875	8.0	22.1
3 22	9 33.35	+22 23.8	3.105	3.887	10.2	22.3

351208 2004 HB_{47} 2 16.3 190°.73 4°.4/13.1 18

1 12	10 27.22	+21 21.9	1.734	2.560	14.6	21.2
1 22	10 21.37	+22 19.8	1.658	2.559	11.0	20.9
2 1	10 12.72	+23 21.9	1.606	2.557	7.3	20.7
2 11	10 2.08	+24 19.5	1.581	2.555	4.5	20.5
2 21	9 50.63	+25 4.3	1.585	2.552	5.8	20.6
3 2	9 39.77	+25 30.4	1.617	2.549	9.5	20.8
3 12	9 30.78	+25 35.7	1.674	2.545	13.3	21.0
3 22	9 24.48	+25 21.3	1.752	2.540	16.6	21.2

65066 2002 AU_{185} 2 16.3 154°.83 4°.3/12.9 18

1 12	10 25.45	+21 6.6	1.785	2.612	14.2	19.5
1 22	10 19.87	+22 12.4	1.717	2.618	10.7	19.3
2 1	10 11.69	+23 22.2	1.673	2.624	7.0	19.1
2 11	10 1.69	+24 27.5	1.656	2.630	4.4	19.0
2 21	9 51.03	+25 20.2	1.668	2.635	5.7	19.1
3 2	9 40.98	+25 54.4	1.708	2.639	9.2	19.3
3 12	9 32.71	+26 7.9	1.774	2.643	12.8	19.5
3 22	9 26.99	+26 1.8	1.861	2.646	15.9	19.7

330097 2005 WU_{120} 2 16.3 270°.01 6°.8/21.5 18

1 12	10 19.81	− 6 35.4	1.995	2.731	16.1	20.5
1 22	10 15.50	− 7 13.7	1.894	2.719	13.6	20.2
2 1	10 8.97	− 7 31.3	1.813	2.706	10.8	20.0
2 11	10 0.78	− 7 26.4	1.756	2.694	8.1	19.8
2 21	9 51.77	− 6 59.3	1.726	2.681	6.8	19.7
3 2	9 42.97	− 6 13.4	1.723	2.668	7.9	19.8
3 12	9 35.42	− 5 14.9	1.746	2.655	10.7	19.9
3 22	9 29.90	− 4 10.9	1.793	2.642	13.7	20.1

345682 2006 UZ_{118} 2 16.3 189°.82 3°.0/19.6 17

1 12	10 16.44	− 0 7.7	2.624	3.382	12.1	22.1
1 22	10 12.33	+ 0 2.2	2.530	3.382	9.7	21.9
2 1	10 6.64	+ 0 26.9	2.459	3.381	6.9	21.7
2 11	9 59.87	+ 1 5.1	2.416	3.380	4.2	21.5
2 21	9 52.64	+ 1 53.8	2.402	3.379	3.1	21.5
3 2	9 45.66	+ 2 49.0	2.418	3.378	5.0	21.6
3 12	9 39.62	+ 3 45.8	2.463	3.377	7.8	21.8
3 22	9 35.05	+ 4 40.0	2.534	3.375	10.5	21.9

1254 Erfordia 2 16.3 340°.38 2°.2/18.2 18 R

1 12	10 18.75	+ 4 47.5	2.263	3.047	13.0	15.5
1 22	10 14.29	+ 4 42.1	2.174	3.046	10.2	15.3
2 1	10 7.97	+ 4 49.2	2.108	3.045	6.9	15.1
2 11	10 0.36	+ 5 7.2	2.069	3.044	3.6	14.8
2 21	9 52.22	+ 5 33.1	2.060	3.043	2.5	14.8
3 2	9 44.39	+ 6 3.1	2.079	3.042	5.4	14.9
3 12	9 37.72	+ 6 32.9	2.127	3.041	8.8	15.2
3 22	9 32.81	+ 6 59.0	2.199	3.040	11.9	15.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
202114 2004 TM_{113}			2 16.3 154°.05		2°.3/18.3 17	
	h m	° ′			°	m
1 12	10 19.12	+ 3 39.3	2.129	2.911	13.7	21.3
1 22	10 14.67	+ 3 52.2	2.043	2.914	10.8	21.1
2 1	10 8.25	+ 4 20.5	1.981	2.917	7.3	20.8
2 11	10 0.48	+ 5 1.8	1.945	2.919	3.8	20.6
2 21	9 52.14	+ 5 52.0	1.938	2.921	2.5	20.5
3 2	9 44.16	+ 6 45.9	1.961	2.924	5.6	20.7
3 12	9 37.41	+ 7 38.0	2.011	2.925	9.2	21.0
3 22	9 32.53	+ 8 23.9	2.087	2.927	12.4	21.2
4389 Durbin			2 16.3 146°.81		0°.3/15.9 18	
1 12	10 19.00	+11 3.2	2.287	3.092	12.2	17.3
1 22	10 14.45	+11 37.7	2.205	3.096	9.2	17.1
2 1	10 8.05	+12 22.1	2.149	3.100	5.7	16.9
2 11	10 0.39	+13 12.2	2.121	3.103	2.0	16.6
2 21	9 52.23	+14 3.0	2.122	3.107	2.0	16.6
3 2	9 44.43	+14 49.6	2.154	3.110	5.7	16.9
3 12	9 37.81	+15 28.0	2.213	3.114	9.2	17.1
3 22	9 32.97	+15 55.7	2.297	3.117	12.1	17.3
258069 2001 OZ_{71}			2 16.3 98°.45		1°.9/14.8 18	
1 12	10 27.68	+17 15.6	2.086	2.894	13.1	20.5
1 22	10 20.86	+17 39.3	2.029	2.922	9.8	20.3
2 1	10 11.93	+18 7.0	1.998	2.949	6.0	20.1
2 11	10 1.70	+18 33.5	1.995	2.976	2.5	19.9
2 21	9 51.15	+18 54.0	2.022	3.002	3.2	20.0
3 2	9 41.33	+19 5.1	2.080	3.027	6.7	20.3
3 12	9 33.14	+19 5.1	2.166	3.051	10.1	20.5
3 22	9 27.13	+18 54.1	2.275	3.075	12.9	20.8
413714 2005 YC_{282}			2 16.3 126°.16		4°.2/20.3 18	
1 12	10 22.12	− 2 45.3	2.481	3.218	13.2	21.8
1 22	10 16.53	− 2 57.3	2.403	3.236	10.8	21.6
2 1	10 9.22	− 2 53.2	2.348	3.255	8.0	21.5
2 11	10 0.77	− 2 33.7	2.320	3.272	5.4	21.3
2 21	9 51.91	− 2 1.1	2.321	3.289	4.2	21.3
3 2	9 43.45	− 1 19.2	2.353	3.305	5.6	21.4
3 12	9 36.14	− 0 32.6	2.413	3.320	8.2	21.6
3 22	9 30.52	+ 0 13.9	2.500	3.335	10.8	21.8
502661 2015 CC_{50}			2 16.3 293°.75		0°.3/16.5 17	
1 12	10 19.88	+10 35.5	2.131	2.936	13.0	20.8
1 22	10 15.32	+10 44.6	2.039	2.929	9.9	20.6
2 1	10 8.71	+11 3.4	1.972	2.922	6.3	20.4
2 11	10 0.66	+11 28.8	1.932	2.914	2.3	20.1
2 21	9 51.99	+11 56.6	1.922	2.907	1.9	20.1
3 2	9 43.66	+12 22.5	1.940	2.900	5.9	20.3
3 12	9 36.58	+12 42.7	1.986	2.894	9.7	20.5
3 22	9 31.41	+12 54.8	2.056	2.887	13.0	20.7
59514 1999 JY_{14}			2 16.3 155°.07		0°.4/16.6 18	
1 12	10 24.97	+ 7 56.5	1.711	2.511	15.8	19.4
1 22	10 19.51	+ 8 41.3	1.635	2.521	12.1	19.2
2 1	10 11.49	+ 9 42.8	1.581	2.529	7.7	19.0
2 11	10 1.67	+10 55.5	1.555	2.537	2.8	18.7
2 21	9 51.14	+12 11.8	1.558	2.544	2.2	18.6
3 2	9 41.15	+13 23.9	1.590	2.550	7.1	19.0
3 12	9 32.87	+14 24.9	1.650	2.555	11.5	19.2
3 22	9 27.06	+15 11.3	1.732	2.559	15.2	19.5
100190 1994 CE_{4}			2 16.3 46°.90		0°.3/16.5 18	
1 12	10 19.29	+ 8 46.5	1.559	2.378	16.2	19.4
1 22	10 15.33	+ 9 23.1	1.495	2.391	12.3	19.2
2 1	10 8.87	+10 15.8	1.453	2.405	7.8	19.0
2 11	10 0.73	+11 19.0	1.437	2.419	2.8	18.7
2 21	9 52.00	+12 25.2	1.448	2.434	2.3	18.7
3 2	9 43.91	+13 26.6	1.486	2.448	7.1	19.0
3 12	9 37.56	+14 17.0	1.550	2.463	11.5	19.3
3 22	9 33.63	+14 53.0	1.636	2.479	15.2	19.6
297073 2010 JK_{116}			2 16.3 227°.10		4°.2/20.5 17	
1 12	10 17.71	− 2 55.4	2.565	3.307	12.7	20.6
1 22	10 13.36	− 3 8.5	2.466	3.302	10.4	20.4
2 1	10 7.35	− 3 6.0	2.390	3.298	7.8	20.2
2 11	10 0.17	− 2 48.2	2.341	3.293	5.4	20.1
2 21	9 52.46	− 2 16.8	2.320	3.288	4.3	20.0
3 2	9 44.99	− 1 35.1	2.329	3.283	5.6	20.1
3 12	9 38.49	− 0 47.7	2.366	3.277	8.2	20.2
3 22	9 33.52	+ 0 0.6	2.429	3.272	10.8	20.4
492712 2014 QG_{29}			2 16.3 206°.73		1°.4/17.4 18	
1 12	10 23.06	+ 6 25.0	2.007	2.796	14.2	22.4
1 22	10 17.86	+ 6 42.2	1.913	2.790	11.1	22.1
2 1	10 10.40	+ 7 13.9	1.842	2.784	7.3	21.9
2 11	10 1.30	+ 7 57.2	1.799	2.778	3.2	21.6
2 21	9 51.45	+ 8 47.3	1.785	2.770	2.1	21.5
3 2	9 41.92	+ 9 38.6	1.801	2.762	6.2	21.8
3 12	9 33.76	+10 25.5	1.844	2.753	10.2	22.0
3 22	9 27.69	+11 4.0	1.912	2.743	13.8	22.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
459549 2013 GO_{32}			2 16.3 289°.56		2°.1/14.9 16	
	h m	° ′			°	m
1 12	10 21.79	+14 44.6	1.530	2.361	15.9	21.2
1 22	10 17.76	+15 25.0	1.435	2.340	12.1	20.9
2 1	10 10.79	+16 17.9	1.364	2.320	7.6	20.5
2 11	10 1.56	+17 16.7	1.317	2.300	3.0	20.2
2 21	9 51.17	+18 13.1	1.298	2.279	4.0	20.2
3 2	9 41.08	+18 58.8	1.305	2.259	9.0	20.5
3 12	9 32.74	+19 28.1	1.337	2.239	13.9	20.7
3 22	9 27.18	+19 38.8	1.389	2.218	18.1	20.9
455625 2004 VH_{37}			2 16.3 163°.03		1°.8/17.8 18	
1 12	10 23.87	+ 4 59.1	2.109	2.888	14.0	23.0
1 22	10 18.24	+ 5 18.0	2.025	2.896	10.9	22.8
2 1	10 10.50	+ 5 51.7	1.965	2.903	7.2	22.6
2 11	10 1.30	+ 6 37.1	1.932	2.909	3.4	22.4
2 21	9 51.51	+ 7 29.7	1.929	2.914	2.2	22.3
3 2	9 42.13	+ 8 24.0	1.957	2.918	5.8	22.5
3 12	9 34.11	+ 9 14.6	2.013	2.921	9.5	22.8
3 22	9 28.11	+ 9 57.5	2.094	2.923	12.8	23.0
420403 2012 CG_{50}			2 16.3 262°.11		1°.1/17.3 18	
1 12	10 18.42	+ 5 32.2	1.785	2.587	15.2	21.3
1 22	10 14.63	+ 6 16.8	1.694	2.580	11.8	21.0
2 1	10 8.51	+ 7 20.9	1.626	2.572	7.7	20.8
2 11	10 0.67	+ 8 40.2	1.584	2.564	3.2	20.5
2 21	9 52.03	+10 7.9	1.570	2.556	2.1	20.4
3 2	9 43.72	+11 35.7	1.586	2.549	6.7	20.6
3 12	9 36.82	+12 55.6	1.627	2.541	11.1	20.9
3 22	9 32.12	+14 2.0	1.693	2.533	14.9	21.1
40856 1999 TP_{108}			2 16.3 242°.50		1°.8/17.6 18	
1 12	10 22.61	+ 5 58.6	1.905	2.696	14.8	19.8
1 22	10 17.73	+ 6 7.1	1.804	2.682	11.6	19.5
2 1	10 10.44	+ 6 30.7	1.726	2.668	7.7	19.3
2 11	10 1.37	+ 7 7.2	1.675	2.653	3.6	19.0
2 21	9 51.41	+ 7 52.0	1.653	2.638	2.4	18.9
3 2	9 41.70	+ 8 39.8	1.660	2.622	6.5	19.1
3 12	9 33.37	+ 9 24.4	1.694	2.606	10.8	19.3
3 22	9 27.25	+10 1.5	1.752	2.589	14.6	19.5
196147 2002 TX_{294}			2 16.3 137°.35		4°.0/20.3 17	
1 12	10 20.13	− 2 27.4	2.719	3.455	12.2	20.1
1 22	10 14.98	− 2 45.7	2.633	3.466	9.9	19.9
2 1	10 8.25	− 2 49.7	2.570	3.476	7.4	19.8
2 11	10 0.47	− 2 39.9	2.535	3.486	5.1	19.7
2 21	9 52.28	− 2 18.0	2.529	3.496	4.0	19.6
3 2	9 44.39	− 1 47.0	2.554	3.505	5.3	19.7
3 12	9 37.50	− 1 10.8	2.607	3.514	7.7	19.9
3 22	9 32.11	− 0 33.5	2.687	3.522	10.1	20.0
288781 2004 RP_{107}			2 16.3 76°.17		2°.1/15.2 18	
1 12	10 28.05	+16 30.6	1.424	2.253	17.0	20.3
1 22	10 22.14	+16 45.3	1.364	2.266	12.8	20.1
2 1	10 13.22	+17 7.1	1.325	2.280	7.9	19.9
2 11	10 2.28	+17 29.4	1.312	2.294	3.1	19.6
2 21	9 50.73	+17 45.5	1.326	2.308	3.8	19.7
3 2	9 40.12	+17 50.5	1.368	2.322	8.6	20.0
3 12	9 31.75	+17 42.2	1.434	2.336	13.1	20.3
3 22	9 26.36	+17 20.8	1.522	2.350	16.9	20.6
396737 2003 QZ_{100}			2 16.3 161°.78		0°.9/15.6 18	
1 12	10 24.74	+13 0.7	2.187	2.989	12.8	22.7
1 22	10 18.83	+13 34.2	2.108	2.997	9.6	22.5
2 1	10 10.84	+14 16.3	2.053	3.004	6.0	22.3
2 11	10 1.42	+15 2.1	2.028	3.010	2.1	22.1
2 21	9 51.46	+15 46.4	2.032	3.016	2.4	22.1
3 2	9 41.94	+16 24.1	2.068	3.020	6.3	22.4
3 12	9 33.80	+16 51.9	2.131	3.024	9.8	22.6
3 22	9 27.68	+17 8.1	2.219	3.027	12.9	22.8
112358 2002 NH_{16}			2 16.3 299°.67		3°.1/17.9 18	
1 12	10 22.17	+ 5 34.0	1.491	2.298	17.5	19.8
1 22	10 18.15	+ 5 11.3	1.388	2.273	13.9	19.5
2 1	10 11.14	+ 5 4.9	1.305	2.248	9.6	19.2
2 11	10 1.75	+ 5 14.1	1.246	2.223	5.0	18.8
2 21	9 51.05	+ 5 35.7	1.214	2.198	3.5	18.7
3 2	9 40.50	+ 6 4.7	1.208	2.173	8.0	18.9
3 12	9 31.62	+ 6 34.6	1.227	2.148	13.1	19.1
3 22	9 25.52	+ 6 59.7	1.266	2.124	17.8	19.3
317338 2002 JD_{103}			2 16.3 295°.89		0°.1/16.3 18	
1 12	10 19.68	+ 9 43.9	1.508	2.331	16.5	20.9
1 22	10 16.12	+10 17.4	1.414	2.314	12.7	20.6
2 1	10 9.74	+11 8.4	1.343	2.297	8.1	20.3
2 11	10 1.20	+12 12.1	1.296	2.279	2.9	20.0
2 21	9 51.58	+13 20.9	1.277	2.262	2.6	19.9
3 2	9 42.25	+14 26.0	1.284	2.245	8.1	20.2
3 12	9 34.61	+15 19.8	1.316	2.229	13.1	20.4
3 22	9 29.64	+15 57.7	1.368	2.212	17.5	20.6

57288 2001 QZ_{163} 2 16.3 319°.28 2°.9/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 21.46	+20 22.0	2.243	3.064	11.8	18.7
1 22	10 16.42	+20 50.3	2.162	3.062	8.9	18.5
2 1	10 9.36	+21 21.1	2.107	3.059	5.7	18.3
2 11	10 0.91	+21 49.2	2.080	3.057	3.1	18.1
2 21	9 51.94	+22 9.8	2.082	3.055	4.0	18.2
3 2	9 43.39	+22 19.2	2.113	3.053	7.1	18.4
3 12	9 36.17	+22 15.5	2.172	3.051	10.3	18.6
3 22	9 30.90	+21 59.0	2.253	3.049	13.1	18.8

161786 2006 UK_{189} 2 16.3 62°.71 0°.9/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.72	+ 9 26.6	2.378	3.173	12.1	19.9
1 22	10 15.66	+ 9 21.2	2.292	3.175	9.3	19.7
2 1	10 8.80	+ 9 24.4	2.231	3.176	6.0	19.5
2 11	10 0.70	+ 9 33.8	2.198	3.178	2.4	19.3
2 21	9 52.12	+ 9 46.5	2.195	3.180	1.7	19.2
3 2	9 43.91	+ 9 59.4	2.222	3.183	5.2	19.5
3 12	9 36.86	+10 9.2	2.277	3.185	8.6	19.7
3 22	9 31.54	+10 14.0	2.357	3.187	11.6	19.9

411467 2010 XX_{38} 2 16.3 82°.13 2°.3/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.96	+15 30.7	1.780	2.602	14.4	21.6
1 22	10 17.76	+16 27.7	1.725	2.625	10.7	21.5
2 1	10 10.24	+17 32.7	1.694	2.649	6.6	21.3
2 11	10 1.21	+18 38.3	1.690	2.672	2.8	21.1
2 21	9 51.73	+19 37.3	1.716	2.695	3.7	21.2
3 2	9 42.95	+20 23.7	1.770	2.717	7.6	21.5
3 12	9 35.88	+20 54.0	1.850	2.739	11.3	21.7
3 22	9 31.12	+21 7.9	1.952	2.761	14.4	22.0

349545 2008 SX_{87} 2 16.3 267°.75 4°.2/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.14	+20 10.9	1.445	2.281	16.4	20.6
1 22	10 21.10	+20 53.3	1.368	2.274	12.5	20.3
2 1	10 12.86	+21 41.4	1.313	2.268	8.1	20.0
2 11	10 2.28	+22 26.4	1.283	2.261	4.5	19.8
2 21	9 50.71	+22 59.4	1.281	2.254	5.8	19.9
3 2	9 39.79	+23 13.9	1.304	2.248	10.2	20.1
3 12	9 31.00	+23 7.4	1.352	2.241	14.6	20.3
3 22	9 25.29	+22 41.2	1.419	2.234	18.5	20.6

163394 2002 QC_{39} 2 16.3 80°.55 0°.0/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.30	+10 7.2	2.152	2.956	12.9	20.6
1 22	10 14.71	+10 37.7	2.082	2.971	9.7	20.4
2 1	10 8.23	+11 18.8	2.036	2.986	6.1	20.2
2 11	10 0.51	+12 6.3	2.019	3.001	2.1	20.0
2 21	9 52.35	+12 55.0	2.031	3.016	1.9	20.0
3 2	9 44.65	+13 40.0	2.072	3.031	5.7	20.2
3 12	9 38.24	+14 17.2	2.141	3.046	9.2	20.5
3 22	9 33.68	+14 44.0	2.234	3.060	12.2	20.7

313387 2002 ND_{42} 2 16.3 188°.33 1°.0/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.40	+13 13.5	2.156	2.961	12.8	22.3
1 22	10 17.95	+13 47.9	2.070	2.961	9.7	22.1
2 1	10 10.38	+14 31.2	2.008	2.960	6.0	21.8
2 11	10 1.31	+15 18.7	1.975	2.958	2.1	21.6
2 21	9 51.61	+16 4.7	1.972	2.955	2.5	21.6
3 2	9 42.29	+16 44.3	1.999	2.952	6.4	21.8
3 12	9 34.31	+17 13.5	2.054	2.948	10.1	22.1
3 22	9 28.34	+17 30.6	2.133	2.943	13.3	22.3

228700 2002 QH_{44} 2 16.3 151°.53 3°.2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.17	+17 44.4	1.718	2.538	14.9	21.4
1 22	10 21.23	+18 44.1	1.649	2.548	11.2	21.2
2 1	10 12.60	+19 51.1	1.604	2.558	7.0	21.0
2 11	10 2.11	+20 57.2	1.587	2.566	3.5	20.8
2 21	9 50.94	+21 54.1	1.599	2.573	4.7	20.9
3 2	9 40.42	+22 35.3	1.639	2.580	8.7	21.1
3 12	9 31.76	+22 57.7	1.705	2.586	12.6	21.4
3 22	9 25.72	+23 1.5	1.793	2.591	15.9	21.6

83441 2001 SL_{56} 2 16.3 58°.96 5°.4/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.48	+27 42.7	2.234	3.061	11.7	18.9
1 22	10 16.52	+28 42.0	2.168	3.065	9.0	18.7
2 1	10 9.45	+29 39.0	2.128	3.068	6.6	18.6
2 11	10 0.96	+30 26.8	2.115	3.072	5.4	18.5
2 21	9 51.96	+30 59.3	2.131	3.076	6.5	18.6
3 2	9 43.47	+31 13.1	2.174	3.079	8.9	18.7
3 12	9 36.42	+31 7.3	2.242	3.083	11.6	18.9
3 22	9 31.42	+30 43.7	2.332	3.087	13.9	19.1

430365 2014 BY_{15} 2 16.3 292°.11 1°.0/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.54	+ 9 41.0	2.284	3.080	12.5	20.9
1 22	10 16.51	+ 9 29.2	2.183	3.066	9.6	20.7
2 1	10 9.47	+ 9 25.7	2.106	3.051	6.3	20.4
2 11	10 1.01	+ 9 28.6	2.057	3.037	2.6	20.2
2 21	9 51.88	+ 9 35.0	2.037	3.023	1.8	20.1
3 2	9 43.02	+ 9 41.8	2.047	3.008	5.6	20.3
3 12	9 35.33	+ 9 45.9	2.086	2.994	9.2	20.5
3 22	9 29.47	+ 9 45.1	2.149	2.980	12.5	20.7

189777 2002 CK_{175} 2 16.3 229°.36 2°.6/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 19.36	+16 10.6	2.104	2.925	12.5	20.4
1 22	10 15.08	+17 23.5	2.018	2.919	9.4	20.2
2 1	10 8.68	+18 45.6	1.957	2.912	5.9	19.9
2 11	10 0.75	+20 10.1	1.925	2.905	2.8	19.7
2 21	9 52.12	+21 29.6	1.922	2.897	4.0	19.8
3 2	9 43.80	+22 37.2	1.949	2.890	7.5	20.0
3 12	9 36.76	+23 28.4	2.003	2.882	11.1	20.2
3 22	9 31.70	+24 1.5	2.079	2.874	14.1	20.4

87362 2000 QS_{45} 2 16.3 75°.84 0°.5/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.15	+ 8 34.1	2.389	3.183	12.1	19.3
1 22	10 14.34	+ 9 0.9	2.326	3.209	9.1	19.2
2 1	10 7.88	+ 9 37.9	2.288	3.234	5.8	19.0
2 11	10 0.37	+10 21.4	2.278	3.259	2.2	18.8
2 21	9 52.53	+11 7.2	2.299	3.285	1.6	18.8
3 2	9 45.15	+11 50.9	2.349	3.309	5.1	19.1
3 12	9 38.95	+12 28.6	2.428	3.334	8.2	19.3
3 22	9 34.42	+12 57.9	2.532	3.358	11.0	19.5

134378 1995 SX_{55} 2 16.3 97°.88 1°.0/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.72	+ 6 56.4	2.391	3.182	12.2	19.8
1 22	10 13.40	+ 7 21.6	2.312	3.192	9.3	19.7
2 1	10 7.39	+ 7 58.5	2.257	3.201	6.0	19.5
2 11	10 0.23	+ 8 44.2	2.230	3.210	2.5	19.3
2 21	9 52.64	+ 9 34.2	2.233	3.219	1.7	19.2
3 2	9 45.40	+10 24.0	2.266	3.228	5.1	19.4
3 12	9 39.26	+11 9.2	2.328	3.237	8.4	19.7
3 22	9 34.76	+11 46.6	2.414	3.246	11.3	19.9

458887 2011 US_{174} 2 16.3 77°.03 0°.5/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.97	+ 9 38.6	1.519	2.339	16.5	21.6
1 22	10 16.73	+10 31.9	1.453	2.352	12.5	21.4
2 1	10 9.85	+11 41.9	1.411	2.364	7.8	21.2
2 11	10 1.17	+13 1.6	1.393	2.377	2.7	20.9
2 21	9 51.82	+14 22.3	1.404	2.389	2.7	20.9
3 2	9 43.13	+15 35.0	1.442	2.402	7.7	21.2
3 12	9 36.26	+16 33.3	1.506	2.414	12.1	21.5
3 22	9 31.94	+17 13.9	1.591	2.426	15.9	21.8

299463 2006 BD_{94} 2 16.3 327°.05 1°.0/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.85	+ 9 46.2	1.330	2.157	18.1	20.1
1 22	10 18.73	+ 9 37.8	1.249	2.149	14.0	19.8
2 1	10 11.45	+ 9 44.0	1.189	2.141	9.1	19.5
2 11	10 1.84	+10 1.6	1.152	2.134	3.6	19.2
2 21	9 51.18	+10 25.0	1.141	2.127	2.6	19.1
3 2	9 41.05	+10 47.9	1.156	2.121	8.3	19.4
3 12	9 32.97	+11 4.6	1.195	2.115	13.5	19.7
3 22	9 27.92	+11 11.4	1.254	2.110	18.0	19.9

214219 2005 EV_{91} 2 16.3 253°.66 0°.6/15.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.68	+12 22.3	1.839	2.651	14.5	21.4
1 22	10 18.67	+12 42.8	1.742	2.636	11.0	21.1
2 1	10 11.12	+13 14.1	1.669	2.621	7.0	20.8
2 11	10 1.67	+13 51.7	1.622	2.605	2.4	20.5
2 21	9 51.32	+14 30.0	1.604	2.589	2.5	20.5
3 2	9 41.27	+15 3.1	1.615	2.572	7.2	20.7
3 12	9 32.72	+15 26.5	1.653	2.555	11.6	20.9
3 22	9 26.51	+15 37.7	1.713	2.538	15.4	21.1

230476 2002 TA_{3} 2 16.3 135°.31 1°.9/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.56	+14 54.4	1.648	2.465	15.6	20.8
1 22	10 21.53	+15 34.0	1.580	2.478	11.7	20.6
2 1	10 12.79	+16 22.8	1.536	2.490	7.3	20.3
2 11	10 2.20	+17 13.9	1.519	2.502	2.8	20.1
2 21	9 50.97	+17 59.9	1.531	2.512	3.5	20.2
3 2	9 40.45	+18 34.7	1.572	2.523	8.0	20.5
3 12	9 31.85	+18 54.6	1.638	2.532	12.2	20.7
3 22	9 25.93	+18 59.0	1.727	2.541	15.8	21.0

322869 2001 UV_{192} 2 16.3 100°.97 2°.5/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.93	+18 52.0	2.112	2.922	12.9	21.4
1 22	10 21.09	+19 19.8	2.056	2.949	9.6	21.2
2 1	10 12.14	+19 50.3	2.024	2.975	6.0	21.1
2 11	10 1.88	+20 18.2	2.022	3.001	2.9	20.9
2 21	9 51.29	+20 38.5	2.050	3.026	3.6	21.0
3 2	9 41.44	+20 47.8	2.108	3.050	6.9	21.3
3 12	9 33.21	+20 44.8	2.193	3.074	10.2	21.5
3 22	9 27.16	+20 30.1	2.303	3.096	13.0	21.7

284311 2006 QA_{57} 2 16.3 353°.41 0°.8/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 16.54	+ 7 17.0	2.106	2.907	13.2	20.7
1 22	10 12.83	+ 7 50.1	2.020	2.906	10.1	20.5
2 1	10 7.20	+ 8 37.1	1.958	2.905	6.5	20.3
2 11	10 0.21	+ 9 34.4	1.923	2.904	2.6	20.0
2 21	9 52.66	+10 36.8	1.917	2.903	1.8	20.0
3 2	9 45.45	+11 38.3	1.941	2.903	5.7	20.2
3 12	9 39.43	+12 33.5	1.991	2.903	9.4	20.4
3 22	9 35.23	+13 18.5	2.066	2.902	12.7	20.6

18207 4041 *P–L* 2 16.3 97°.96 0°.7/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 24.74	+ 8 34.9	1.626	2.432	16.3	19.7
1 22	10 19.31	+ 8 54.9	1.561	2.450	12.4	19.5
2 1	10 11.34	+ 9 29.5	1.520	2.468	7.9	19.2
2 11	10 1.67	+10 14.1	1.504	2.486	3.0	19.0
2 21	9 51.44	+11 2.3	1.517	2.503	2.2	18.9
3 2	9 41.92	+11 47.7	1.558	2.520	6.9	19.3
3 12	9 34.22	+12 24.8	1.625	2.536	11.2	19.6
3 22	9 29.04	+12 50.6	1.716	2.552	14.9	19.8

22274 1981 *RN* 2 16.3 178°.55 1°.8/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.32	+ 6 20.5	1.945	2.733	14.7	18.5
1 22	10 18.82	+ 6 22.8	1.858	2.735	11.4	18.3
2 1	10 11.01	+ 6 39.0	1.795	2.736	7.6	18.1
2 11	10 1.58	+ 7 6.3	1.759	2.736	3.5	17.8
2 21	9 51.47	+ 7 40.7	1.752	2.736	2.3	17.8
3 2	9 41.78	+ 8 17.2	1.774	2.736	6.2	18.0
3 12	9 33.54	+ 8 50.8	1.824	2.735	10.2	18.2
3 22	9 27.50	+ 9 17.8	1.898	2.733	13.7	18.5

413478 2005 JL_2 2 16.3 266°.79 2°.5/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.46	+16 46.1	1.756	2.580	14.5	21.1
1 22	10 18.66	+17 24.0	1.663	2.565	11.0	20.8
2 1	10 11.19	+18 10.3	1.594	2.549	6.9	20.6
2 11	10 1.72	+18 58.6	1.551	2.532	3.0	20.3
2 21	9 51.31	+19 41.7	1.537	2.516	4.1	20.3
3 2	9 41.24	+20 13.2	1.551	2.499	8.4	20.5
3 12	9 32.78	+20 29.0	1.590	2.482	12.6	20.7
3 22	9 26.82	+20 28.3	1.651	2.465	16.4	20.9

126110 2001 YZ_{110} 2 16.3 151°.60 1°.8/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.80	+15 39.9	1.766	2.582	14.8	19.5
1 22	10 20.86	+16 8.6	1.693	2.589	11.1	19.3
2 1	10 12.34	+16 44.8	1.643	2.596	6.9	19.1
2 11	10 2.05	+17 22.6	1.620	2.602	2.7	18.8
2 21	9 51.10	+17 55.7	1.626	2.607	3.4	18.9
3 2	9 40.77	+18 18.7	1.661	2.612	7.7	19.1
3 12	9 32.21	+18 28.6	1.723	2.617	11.7	19.4
3 22	9 26.17	+18 24.8	1.807	2.621	15.2	19.6

48624 Sadayuki 2 16.3 217°.09 2°.8/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.84	+ 3 54.8	1.738	2.523	16.2	19.9
1 22	10 19.60	+ 3 52.0	1.644	2.516	12.9	19.6
2 1	10 11.74	+ 4 6.8	1.572	2.508	8.8	19.4
2 11	10 1.91	+ 4 37.2	1.525	2.500	4.6	19.1
2 21	9 51.15	+ 5 19.4	1.507	2.490	3.2	19.0
3 2	9 40.72	+ 6 7.5	1.518	2.480	7.0	19.2
3 12	9 31.87	+ 6 54.9	1.555	2.469	11.4	19.4
3 22	9 25.48	+ 7 36.2	1.616	2.458	15.4	19.6

415369 2013 KJ_{16} 2 16.3 263°.57 1°.8/15.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.71	+14 32.2	1.779	2.599	14.5	21.8
1 22	10 18.06	+15 11.0	1.683	2.582	11.0	21.6
2 1	10 10.81	+16 0.5	1.611	2.565	6.9	21.3
2 11	10 1.60	+16 54.9	1.565	2.548	2.6	21.0
2 21	9 51.42	+17 47.1	1.548	2.530	3.4	21.0
3 2	9 41.53	+18 30.1	1.559	2.512	8.0	21.2
3 12	9 33.18	+18 59.2	1.597	2.493	12.3	21.4
3 22	9 27.26	+19 12.4	1.656	2.475	16.1	21.6

351009 2003 PQ_1 2 16.3 285°.09 0°.2/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.20	+ 7 27.4	1.620	2.431	16.1	20.7
1 22	10 16.58	+ 8 19.5	1.507	2.400	12.5	20.4
2 1	10 10.16	+ 9 34.0	1.417	2.368	8.1	20.1
2 11	10 1.47	+11 6.7	1.353	2.335	3.0	19.7
2 21	9 51.44	+12 49.5	1.317	2.302	2.5	19.6
3 2	9 41.42	+14 32.2	1.308	2.269	8.1	19.8
3 12	9 32.82	+16 4.4	1.326	2.235	13.4	20.0
3 22	9 26.78	+17 19.1	1.365	2.201	18.0	20.2

23066 Yihedong 2 16.3 198°.31 0°.3/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.26	+ 9 12.6	2.198	2.998	12.8	19.9
1 22	10 14.80	+ 9 41.2	2.110	2.997	9.7	19.7
2 1	10 8.41	+10 21.5	2.047	2.996	6.2	19.5
2 11	10 0.65	+11 9.6	2.012	2.994	2.3	19.3
2 21	9 52.32	+12 0.8	2.006	2.992	1.8	19.2
3 2	9 44.32	+12 49.8	2.030	2.990	5.7	19.5
3 12	9 37.53	+13 32.0	2.082	2.988	9.4	19.7
3 22	9 32.56	+14 4.3	2.158	2.986	12.6	19.9

337381 2001 QF_{90} 2 16.3 104°.94 1°.8/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.92	+ 5 34.7	2.688	3.459	11.5	20.8
1 22	10 16.25	+ 5 27.5	2.614	3.480	8.9	20.7
2 1	10 9.02	+ 5 30.2	2.566	3.501	6.0	20.5
2 11	10 0.79	+ 5 41.1	2.546	3.521	3.0	20.4
2 21	9 52.24	+ 5 57.5	2.558	3.540	2.1	20.3
3 2	9 44.09	+ 6 16.6	2.600	3.560	4.6	20.5
3 12	9 37.03	+ 6 35.2	2.671	3.579	7.5	20.7
3 22	9 31.53	+ 6 50.8	2.769	3.597	10.1	20.9

500185 2012 FU_{75} 2 16.3 297°.04 0°.1/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 21.42	+11 9.4	1.682	2.500	15.3	21.5
1 22	10 17.14	+11 21.5	1.589	2.486	11.7	21.2
2 1	10 10.24	+11 45.8	1.519	2.471	7.5	20.9
2 11	10 1.40	+12 18.4	1.474	2.457	2.7	20.6
2 21	9 51.63	+12 53.6	1.457	2.443	2.4	20.5
3 2	9 42.20	+13 25.5	1.468	2.429	7.3	20.8
3 12	9 34.36	+13 49.0	1.505	2.416	11.9	21.0
3 22	9 28.98	+14 1.1	1.563	2.402	15.9	21.2

253940 2004 CS_{108} 2 16.3 6°.03 4°.1/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 16.89	− 0 55.9	1.530	2.320	17.9	20.7
1 22	10 13.75	− 0 37.9	1.450	2.320	14.4	20.4
2 1	10 8.09	+ 0 6.5	1.389	2.320	10.3	20.2
2 11	10 0.61	+ 1 15.1	1.353	2.321	6.1	20.0
2 21	9 52.34	+ 2 42.4	1.342	2.322	4.2	19.8
3 2	9 44.51	+ 4 19.3	1.358	2.324	7.2	20.0
3 12	9 38.31	+ 5 55.4	1.400	2.326	11.5	20.3
3 22	9 34.53	+ 7 22.3	1.465	2.329	15.5	20.5

32561 Waldron 2 16.3 79°.36 1°.5/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.58	+ 5 55.8	1.739	2.538	15.7	19.2
1 22	10 16.79	+ 6 17.7	1.674	2.557	12.1	19.0
2 1	10 9.71	+ 6 56.0	1.632	2.576	7.9	18.8
2 11	10 1.10	+ 7 46.6	1.616	2.595	3.5	18.5
2 21	9 51.98	+ 8 43.6	1.628	2.613	2.2	18.5
3 2	9 43.48	+ 9 40.4	1.669	2.632	6.4	18.8
3 12	9 36.60	+10 31.0	1.736	2.650	10.4	19.1
3 22	9 31.97	+11 11.4	1.827	2.668	13.9	19.3

287559 2003 FT_{12} 2 16.3 350°.43 1°.7/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 15.29	+ 3 34.3	2.208	2.995	13.2	20.2
1 22	10 11.82	+ 4 12.0	2.119	2.993	10.3	20.0
2 1	10 6.54	+ 5 6.3	2.053	2.992	6.9	19.8
2 11	10 0.00	+ 6 14.0	2.014	2.990	3.3	19.5
2 21	9 52.91	+ 7 30.2	2.005	2.989	2.1	19.4
3 2	9 46.11	+ 8 48.5	2.025	2.988	5.4	19.6
3 12	9 40.42	+10 2.8	2.073	2.988	8.9	19.9
3 22	9 36.43	+11 8.2	2.146	2.987	12.1	20.1

140970 2001 VL_{118} 2 16.3 56°.85 3°.3/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.42	+20 27.2	2.205	3.031	11.9	19.4
1 22	10 14.89	+21 17.1	2.138	3.040	8.9	19.3
2 1	10 8.40	+22 10.0	2.097	3.050	5.7	19.1
2 11	10 0.63	+22 59.9	2.084	3.060	3.4	19.0
2 21	9 52.40	+23 41.2	2.100	3.070	4.4	19.0
3 2	9 44.64	+24 9.6	2.145	3.080	7.3	19.2
3 12	9 38.21	+24 22.9	2.216	3.090	10.4	19.4
3 22	9 33.68	+24 21.1	2.309	3.100	13.0	19.6

84770 2002 XX_{36} 2 16.3 94°.97 0°.2/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.64	+12 26.9	1.877	2.680	14.5	18.9
1 22	10 21.11	+12 29.1	1.814	2.702	11.0	18.7
2 1	10 12.29	+12 39.6	1.775	2.724	6.8	18.5
2 11	10 1.98	+12 54.3	1.763	2.746	2.4	18.3
2 21	9 51.26	+13 9.0	1.782	2.767	2.2	18.3
3 2	9 41.28	+13 19.6	1.830	2.788	6.5	18.6
3 12	9 33.01	+13 23.3	1.906	2.808	10.3	18.9
3 22	9 27.09	+13 18.8	2.005	2.828	13.6	19.2

310404 1999 RL_1 2 16.3 106°.76 0°.8/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.05	+12 49.2	2.026	2.827	13.7	22.1
1 22	10 20.51	+13 19.0	1.967	2.855	10.3	21.9
2 1	10 11.83	+13 57.1	1.932	2.882	6.3	21.7
2 11	10 1.81	+14 38.4	1.926	2.909	2.2	21.5
2 21	9 51.42	+15 17.5	1.951	2.935	2.4	21.6
3 2	9 41.72	+15 49.7	2.006	2.960	6.3	21.9
3 12	9 33.61	+16 11.8	2.089	2.984	9.9	22.1
3 22	9 27.69	+16 22.8	2.196	3.007	12.9	22.4

378893 2008 UH_{26} 2 16.3 46°.31 0°.7/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.01	+ 8 27.1	2.009	2.813	13.7	21.5
1 22	10 14.76	+ 8 49.5	1.927	2.814	10.5	21.3
2 1	10 8.43	+ 9 24.7	1.869	2.816	6.7	21.1
2 11	10 0.68	+10 9.1	1.837	2.818	2.6	20.9
2 21	9 52.34	+10 57.6	1.834	2.820	1.9	20.8
3 2	9 44.39	+11 44.7	1.861	2.822	6.0	21.1
3 12	9 37.77	+12 25.5	1.914	2.825	9.8	21.3
3 22	9 33.11	+12 56.7	1.991	2.827	13.1	21.5

399621 2004 GC_{26} 2 16.3 288°.85 2°.4/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.27	+14 36.0	1.418	2.251	16.8	21.5
1 22	10 19.36	+15 21.5	1.314	2.220	12.9	21.2
2 1	10 12.16	+16 22.3	1.233	2.189	8.2	20.8
2 11	10 2.26	+17 31.5	1.176	2.158	3.3	20.4
2 21	9 50.79	+18 39.5	1.145	2.126	4.4	20.4
3 2	9 39.40	+19 36.0	1.141	2.095	10.0	20.6
3 12	9 29.82	+20 13.8	1.160	2.062	15.5	20.8
3 22	9 23.32	+20 29.7	1.199	2.030	20.3	21.0

152627 1997 *DF* 2 16.3 72°.79 0°.5/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 19.13	− 4 50.9	0.596	1.446	30.9	19.1
1 22	10 17.70	− 0 59.1	0.555	1.466	23.8	18.8
2 1	10 11.58	+ 4 12.0	0.528	1.486	15.0	18.4
2 11	10 2.02	+10 14.5	0.523	1.507	5.0	18.0
2 21	9 51.23	+16 17.1	0.542	1.527	5.0	18.1
3 2	9 41.90	+21 28.2	0.584	1.548	14.0	18.7
3 12	9 36.24	+25 20.5	0.646	1.568	21.3	19.2
3 22	9 35.16	+27 53.2	0.724	1.587	26.8	19.6

155983 2001 QM_{250} 2 16.3 234°.17 3°.2/13.7 18

1 12	10 23.81	+16 38.1	1.776	2.598	14.4	20.8
1 22	10 18.96	+17 52.0	1.684	2.585	10.9	20.6
2 1	10 11.42	+19 17.2	1.617	2.571	6.9	20.3
2 11	10 1.85	+20 45.6	1.577	2.557	3.5	20.1
2 21	9 51.26	+22 7.8	1.567	2.541	4.8	20.1
3 2	9 40.97	+23 15.2	1.585	2.525	9.0	20.3
3 12	9 32.26	+24 2.6	1.628	2.508	13.1	20.5
3 22	9 26.05	+24 28.5	1.693	2.490	16.8	20.7

165889 2001 SY_{197} 2 16.3 55°.99 2°.9/13.9 18

1 12	10 21.83	+20 7.1	2.148	2.970	12.3	19.7
1 22	10 16.73	+20 37.0	2.076	2.976	9.2	19.5
2 1	10 9.58	+21 9.5	2.029	2.982	5.9	19.3
2 11	10 1.06	+21 39.3	2.011	2.988	3.1	19.1
2 21	9 52.05	+22 1.3	2.021	2.995	4.0	19.2
3 2	9 43.56	+22 11.8	2.060	3.001	7.2	19.4
3 12	9 36.47	+22 9.0	2.126	3.008	10.4	19.6
3 22	9 31.40	+21 53.2	2.215	3.014	13.2	19.8

274321 2008 RK_5 2 16.4 145°.13 2°.5/18.9 18

1 12	10 17.71	+ 1 22.2	2.237	3.010	13.5	21.0
1 22	10 13.58	+ 1 53.8	2.151	3.014	10.6	20.8
2 1	10 7.61	+ 2 42.9	2.087	3.018	7.4	20.6
2 11	10 0.38	+ 3 46.7	2.051	3.023	4.0	20.4
2 21	9 52.62	+ 5 0.7	2.044	3.027	2.6	20.3
3 2	9 45.19	+ 6 18.9	2.067	3.030	5.4	20.5
3 12	9 38.90	+ 7 34.8	2.119	3.034	8.8	20.7
3 22	9 34.34	+ 8 43.4	2.196	3.037	11.9	20.9

23540 1993 TV_{19} 2 16.4 200°.14 1°.5/14.9 18

1 12	10 19.57	+14 36.5	2.113	2.930	12.6	18.3
1 22	10 15.13	+15 17.3	2.032	2.930	9.5	18.1
2 1	10 8.66	+16 6.4	1.975	2.929	5.9	17.9
2 11	10 0.76	+16 58.5	1.947	2.929	2.2	17.6
2 21	9 52.29	+17 47.9	1.947	2.929	2.9	17.7
3 2	9 44.21	+18 29.3	1.977	2.928	6.6	17.9
3 12	9 37.42	+18 58.9	2.034	2.927	10.2	18.1
3 22	9 32.57	+19 15.2	2.114	2.927	13.3	18.3

57453 2001 SL_{70} 2 16.4 247°.22 1°.6/15.1 18

1 12	10 21.55	+12 22.3	1.603	2.426	15.7	19.1
1 22	10 17.38	+13 23.2	1.516	2.417	11.9	18.8
2 1	10 10.48	+14 39.7	1.451	2.407	7.4	18.6
2 11	10 1.52	+16 4.8	1.413	2.396	2.7	18.2
2 21	9 51.59	+17 29.3	1.403	2.386	3.5	18.3
3 2	9 42.01	+18 43.9	1.421	2.375	8.4	18.5
3 12	9 34.12	+19 41.8	1.465	2.364	13.0	18.8
3 22	9 28.82	+20 19.8	1.529	2.352	17.0	19.0

410500 2008 EX_{35} 2 16.4 9°.23 19°.0/11.1 16

1 12	10 59.31	+55 15.7	1.222	1.993	22.5	20.6
1 22	10 47.74	+55 59.8	1.183	1.995	20.8	20.5
2 1	10 29.67	+56 5.9	1.160	1.999	19.5	20.4
2 11	10 7.96	+55 15.1	1.155	2.005	19.0	20.4
2 21	9 46.65	+53 19.9	1.170	2.011	19.5	20.4
3 2	9 29.31	+50 27.2	1.206	2.020	20.9	20.6
3 12	9 17.75	+46 54.6	1.261	2.030	22.7	20.7
3 22	9 11.99	+43 1.1	1.335	2.041	24.6	20.9

204303 2004 PK_{88} 2 16.4 91°.62 2°.4/18.2 18

1 12	10 24.23	+ 3 26.4	1.625	2.415	17.0	20.5
1 22	10 18.87	+ 3 48.1	1.564	2.440	13.2	20.3
2 1	10 11.04	+ 4 29.5	1.526	2.465	8.9	20.1
2 11	10 1.59	+ 5 26.5	1.513	2.489	4.3	19.9
2 21	9 51.64	+ 6 32.8	1.528	2.513	2.8	19.8
3 2	9 42.42	+ 7 40.7	1.572	2.536	6.7	20.1
3 12	9 35.00	+ 8 43.2	1.643	2.559	10.8	20.4
3 22	9 30.03	+ 9 35.2	1.737	2.581	14.4	20.7

167097 2003 SL_{33} 2 16.4 100°.80 1°.5/15.2 18

1 12	10 24.60	+13 41.7	1.727	2.543	15.0	20.4
1 22	10 19.11	+14 26.9	1.666	2.563	11.2	20.2
2 1	10 11.19	+15 22.1	1.629	2.583	6.9	20.0
2 11	10 1.65	+16 20.5	1.619	2.602	2.5	19.8
2 21	9 51.59	+17 14.9	1.638	2.620	3.1	19.9
3 2	9 42.24	+17 59.2	1.685	2.638	7.4	20.2
3 12	9 34.64	+18 29.4	1.759	2.656	11.4	20.4
3 22	9 29.47	+18 44.5	1.856	2.673	14.7	20.7

281619 2008 UN_{250} 2 16.4 314°.53 0°.3/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 19.75	+11 31.6	2.080	2.890	13.1	21.0
1 22	10 15.27	+11 55.7	1.997	2.889	9.9	20.7
2 1	10 8.75	+12 29.7	1.937	2.889	6.2	20.5
2 11	10 0.81	+13 9.7	1.905	2.888	2.2	20.3
2 21	9 52.28	+13 50.6	1.903	2.888	2.1	20.2
3 2	9 44.13	+14 27.3	1.929	2.887	6.1	20.5
3 12	9 37.29	+14 55.9	1.983	2.887	9.9	20.7
3 22	9 32.40	+15 14.0	2.060	2.886	13.1	20.9

33557 1999 JC_{22} 2 16.4 132°.60 5°.5/21.9 18

1 12	10 20.55	− 7 6.4	2.359	3.078	14.3	18.8
1 22	10 15.57	− 7 19.7	2.276	3.091	11.9	18.7
2 1	10 8.79	− 7 13.3	2.215	3.104	9.3	18.5
2 11	10 0.79	− 6 47.1	2.180	3.116	6.8	18.4
2 21	9 52.31	− 6 3.2	2.172	3.128	5.6	18.3
3 2	9 44.19	− 5 5.7	2.194	3.139	6.5	18.4
3 12	9 37.23	− 4 0.4	2.244	3.150	8.8	18.5
3 22	9 31.99	− 2 53.3	2.319	3.160	11.3	18.7

125764 2001 XG_{136} 2 16.4 249°.77 5°.9/11.6 18

1 12	10 23.37	+22 45.4	1.601	2.439	15.0	19.5
1 22	10 18.93	+24 17.8	1.523	2.429	11.4	19.2
2 1	10 11.53	+25 56.4	1.468	2.419	7.9	19.0
2 11	10 1.92	+27 30.1	1.440	2.408	5.9	18.9
2 21	9 51.27	+28 47.9	1.439	2.397	7.6	18.9
3 2	9 41.07	+29 41.3	1.465	2.386	11.2	19.1
3 12	9 32.73	+30 6.9	1.514	2.374	15.1	19.3
3 22	9 27.23	+30 6.1	1.583	2.363	18.4	19.5

496249 2012 HW_{74} 2 16.4 237°.42 1°.5/17.7 17

1 12	10 20.07	+ 5 42.0	2.181	2.968	13.3	22.6
1 22	10 15.53	+ 5 59.6	2.081	2.957	10.4	22.4
2 1	10 8.95	+ 6 31.3	2.006	2.946	6.9	22.2
2 11	10 0.91	+ 7 14.6	1.957	2.935	3.2	21.9
2 21	9 52.17	+ 8 5.2	1.938	2.923	2.1	21.8
3 2	9 43.67	+ 8 58.1	1.948	2.911	5.7	22.0
3 12	9 36.35	+ 9 47.7	1.987	2.898	9.5	22.2
3 22	9 30.88	+10 30.0	2.050	2.885	12.8	22.4

340675 2006 RQ_{54} 2 16.4 186°.42 2°.2/14.2 17

1 12	10 19.33	+18 2.4	2.501	3.318	10.9	20.8
1 22	10 14.67	+18 40.5	2.420	3.318	8.2	20.6
2 1	10 8.23	+19 22.9	2.364	3.317	5.1	20.4
2 11	10 0.60	+20 4.9	2.338	3.317	2.5	20.2
2 21	9 52.48	+20 41.8	2.341	3.316	3.3	20.3
3 2	9 44.71	+21 9.7	2.374	3.316	6.3	20.5
3 12	9 38.07	+21 26.0	2.434	3.315	9.3	20.7
3 22	9 33.10	+21 30.0	2.518	3.314	11.9	20.8

430256 2013 WV_{30} 2 16.4 104°.74 4°.9/11.6 18

1 12	10 20.79	+24 56.0	2.169	2.997	11.9	20.6
1 22	10 16.09	+26 4.0	2.101	3.001	9.1	20.4
2 1	10 9.26	+27 12.4	2.059	3.004	6.4	20.2
2 11	10 0.98	+28 13.7	2.044	3.008	4.9	20.2
2 21	9 52.16	+29 1.6	2.059	3.011	6.1	20.2
3 2	9 43.80	+29 31.4	2.101	3.015	8.7	20.4
3 12	9 36.85	+29 41.7	2.168	3.018	11.5	20.6
3 22	9 31.95	+29 33.4	2.257	3.022	14.1	20.8

147098 2002 TX_{25} 2 16.4 68°.57 0°.5/16.0 18

1 12	10 21.50	+10 41.8	1.599	2.419	15.9	19.6
1 22	10 16.98	+11 20.6	1.536	2.434	12.0	19.4
2 1	10 9.96	+12 13.2	1.495	2.448	7.5	19.2
2 11	10 1.25	+13 13.5	1.480	2.464	2.6	18.9
2 21	9 51.95	+14 14.1	1.494	2.479	2.5	18.9
3 2	9 43.32	+15 7.8	1.534	2.494	7.3	19.2
3 12	9 36.45	+15 49.2	1.601	2.509	11.6	19.5
3 22	9 32.03	+16 15.9	1.690	2.524	15.2	19.8

347302 2011 OH_{51} 2 16.4 198°.61 0°.8/15.4 17

1 12	10 18.44	+13 31.3	2.797	3.600	10.3	22.0
1 22	10 13.82	+14 4.5	2.707	3.597	7.7	21.8
2 1	10 7.64	+14 44.3	2.643	3.594	4.8	21.6
2 11	10 0.38	+15 27.2	2.608	3.591	1.7	21.4
2 21	9 52.68	+16 9.0	2.604	3.587	2.0	21.4
3 2	9 45.23	+16 46.1	2.631	3.583	5.1	21.6
3 12	9 38.73	+17 15.4	2.686	3.578	8.1	21.8
3 22	9 33.68	+17 35.1	2.767	3.574	10.7	21.9

228153 2009 SV_{48} 2 16.4 212°.35 3°.5/19.6 17

1 12	10 19.77	− 0 24.4	2.275	3.034	13.7	21.4
1 22	10 15.19	− 0 19.2	2.176	3.028	11.0	21.2
2 1	10 8.69	+ 0 3.2	2.101	3.022	7.9	21.0
2 11	10 0.81	+ 0 41.5	2.051	3.015	4.9	20.8
2 21	9 52.30	+ 1 32.8	2.031	3.008	3.5	20.7
3 2	9 44.04	+ 2 32.3	2.040	3.000	5.7	20.8
3 12	9 36.89	+ 3 34.2	2.078	2.992	9.0	21.0
3 22	9 31.51	+ 4 33.3	2.141	2.983	12.1	21.2

64062 2001 SB_{266} 2 16.4 70°.40 2°.0/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 20.27	+ 4 53.8	1.750	2.548	15.7	19.7
1 22	10 15.92	+ 5 7.5	1.677	2.557	12.2	19.5
2 1	10 9.26	+ 5 38.3	1.625	2.567	8.1	19.3
2 11	10 1.01	+ 6 23.0	1.599	2.577	3.9	19.0
2 21	9 52.17	+ 7 16.4	1.602	2.586	2.5	19.0
3 2	9 43.84	+ 8 12.0	1.632	2.596	6.4	19.2
3 12	9 37.06	+ 9 3.6	1.689	2.606	10.5	19.5
3 22	9 32.50	+ 9 46.4	1.769	2.616	14.0	19.7

96470 1998 HR_{102} 2 16.4 258°.27 0°.4/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.76	+11 19.4	1.805	2.617	14.7	20.3
1 22	10 18.05	+11 45.1	1.708	2.601	11.2	20.0
2 1	10 10.81	+12 23.3	1.633	2.585	7.1	19.8
2 11	10 1.65	+13 9.6	1.586	2.568	2.5	19.4
2 21	9 51.55	+13 57.9	1.566	2.551	2.4	19.4
3 2	9 41.73	+14 41.8	1.576	2.534	7.2	19.6
3 12	9 33.39	+15 16.0	1.611	2.516	11.7	19.9
3 22	9 27.40	+15 37.4	1.670	2.498	15.6	20.1

371751 2007 FX_{1} 2 16.4 275°.80 6°.9/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.22	+29 49.3	1.917	2.746	13.3	20.6
1 22	10 19.90	+30 52.9	1.842	2.736	10.5	20.4
2 1	10 11.90	+31 53.0	1.790	2.726	8.0	20.2
2 11	10 1.99	+32 40.8	1.765	2.716	6.9	20.1
2 21	9 51.31	+33 8.6	1.767	2.706	8.2	20.2
3 2	9 41.17	+33 12.1	1.796	2.696	10.8	20.3
3 12	9 32.79	+32 50.9	1.848	2.686	13.8	20.5
3 22	9 26.98	+32 8.2	1.921	2.676	16.5	20.6

158992 2004 SA_{23} 2 16.4 275°.46 3°.9/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.45	+21 41.6	1.953	2.779	13.1	20.3
1 22	10 18.40	+22 21.6	1.866	2.767	10.0	20.1
2 1	10 10.90	+23 4.5	1.803	2.754	6.6	19.9
2 11	10 1.64	+23 43.6	1.768	2.742	4.0	19.7
2 21	9 51.61	+24 12.4	1.761	2.730	5.1	19.7
3 2	9 41.99	+24 25.9	1.782	2.717	8.5	19.9
3 12	9 33.91	+24 22.1	1.829	2.705	12.1	20.1
3 22	9 28.15	+24 1.6	1.898	2.693	15.3	20.3

207439 2006 EG_{1} 2 16.4 118°.27 7°.5/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 40.39	+28 29.2	1.250	2.079	18.9	20.2
1 22	10 32.16	+28 59.4	1.193	2.089	14.7	20.0
2 1	10 19.84	+29 22.7	1.156	2.099	10.5	19.8
2 11	10 4.79	+29 27.0	1.144	2.109	7.7	19.7
2 21	9 49.05	+29 4.2	1.159	2.118	8.8	19.7
3 2	9 34.83	+28 12.2	1.200	2.127	12.6	20.0
3 12	9 23.88	+26 56.1	1.264	2.136	16.7	20.2
3 22	9 16.98	+25 23.4	1.348	2.144	20.3	20.5

169227 2001 SX_{10} 2 16.4 52°.36 3°.6/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.57	+ 4 27.9	2.027	2.797	14.8	19.2
1 22	10 21.73	+ 3 25.9	1.952	2.813	11.7	19.0
2 1	10 12.69	+ 2 35.0	1.901	2.829	8.2	18.8
2 11	10 2.19	+ 1 55.5	1.879	2.846	4.8	18.7
2 21	9 51.20	+ 1 26.9	1.886	2.863	3.8	18.6
3 2	9 40.81	+ 1 7.3	1.924	2.880	6.4	18.8
3 12	9 31.99	+ 0 53.9	1.990	2.897	9.7	19.0
3 22	9 25.36	+ 0 43.6	2.080	2.914	12.7	19.3

25851 2000 EE_{120} 2 16.4 70°.85 3°.6/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.04	+24 7.0	2.634	3.454	10.3	18.2
1 22	10 15.09	+24 45.3	2.566	3.462	7.8	18.0
2 1	10 8.43	+25 23.3	2.523	3.471	5.3	17.8
2 11	10 0.67	+25 55.9	2.510	3.479	3.7	17.8
2 21	9 52.52	+26 18.9	2.526	3.487	4.5	17.8
3 2	9 44.80	+26 29.4	2.572	3.495	6.9	18.0
3 12	9 38.25	+26 26.1	2.644	3.503	9.4	18.2
3 22	9 33.36	+26 9.8	2.740	3.511	11.7	18.3

459070 2012 BO_{32} 2 16.4 45°.29 1°.2/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.58	+ 9 54.7	1.458	2.274	17.3	20.5
1 22	10 20.30	+ 9 35.5	1.390	2.283	13.3	20.3
2 1	10 12.17	+ 9 28.9	1.343	2.293	8.6	20.0
2 11	10 2.08	+ 9 31.5	1.321	2.302	3.5	19.8
2 21	9 51.30	+ 9 39.2	1.327	2.313	2.5	19.7
3 2	9 41.28	+ 9 47.3	1.359	2.323	7.4	20.0
3 12	9 33.27	+ 9 51.3	1.417	2.334	12.1	20.3
3 22	9 28.06	+ 9 48.8	1.497	2.345	16.0	20.6

435227 2007 RX_{296} 2 16.4 157°.67 4°.9/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.11	+27 38.3	2.455	3.273	11.0	21.1
1 22	10 18.32	+28 24.3	2.385	3.277	8.5	21.0
2 1	10 10.55	+29 7.7	2.342	3.281	6.1	20.8
2 11	10 1.44	+29 42.3	2.326	3.284	4.9	20.7
2 21	9 51.87	+30 3.1	2.340	3.287	5.9	20.8
3 2	9 42.79	+30 7.3	2.383	3.290	8.2	20.9
3 12	9 35.08	+29 54.3	2.451	3.293	10.7	21.1
3 22	9 29.33	+29 25.6	2.543	3.295	13.0	21.3

99513 2002 EA_{26} 2 16.4 224°.32 0°.6/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.71	+ 8 46.0	2.042	2.837	13.8	20.4
1 22	10 18.45	+ 9 6.2	1.943	2.826	10.7	20.2
2 1	10 10.89	+ 9 39.0	1.868	2.814	6.9	19.9
2 11	10 1.65	+10 21.1	1.821	2.802	2.7	19.6
2 21	9 51.61	+11 7.5	1.803	2.789	2.0	19.5
3 2	9 41.84	+11 52.8	1.815	2.775	6.3	19.8
3 12	9 33.39	+12 31.9	1.855	2.760	10.4	20.0
3 22	9 27.03	+13 1.3	1.919	2.745	14.0	20.2

297691 2001 UE_{220} 2 16.4 71°.89 0°.7/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.82	+ 9 44.2	1.381	2.199	18.0	20.5
1 22	10 20.56	+ 9 48.3	1.319	2.215	13.7	20.3
2 1	10 12.34	+10 7.1	1.279	2.230	8.7	20.1
2 11	10 2.14	+10 36.0	1.264	2.246	3.3	19.8
2 21	9 51.29	+11 8.6	1.276	2.262	2.5	19.8
3 2	9 41.29	+11 38.5	1.314	2.277	7.7	20.1
3 12	9 33.43	+12 0.5	1.377	2.293	12.5	20.4
3 22	9 28.47	+12 11.7	1.462	2.308	16.5	20.7

153966 2002 AU_{49} 2 16.4 93°.72 0°.8/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.78	+11 58.9	1.901	2.715	14.0	20.2
1 22	10 16.16	+12 39.1	1.830	2.726	10.5	20.0
2 1	10 9.35	+13 30.3	1.783	2.736	6.5	19.7
2 11	10 1.05	+14 26.9	1.764	2.747	2.2	19.5
2 21	9 52.20	+15 22.7	1.773	2.757	2.5	19.5
3 2	9 43.86	+16 11.7	1.811	2.767	6.7	19.8
3 12	9 37.00	+16 49.4	1.876	2.777	10.5	20.1
3 22	9 32.27	+17 13.6	1.964	2.787	13.8	20.3

217946 2001 TS_{217} 2 16.4 221°.96 1°.8/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.93	+ 5 6.3	2.337	3.114	12.8	22.0
1 22	10 16.81	+ 5 15.4	2.234	3.103	10.0	21.8
2 1	10 9.73	+ 5 37.5	2.155	3.092	6.8	21.5
2 11	10 1.22	+ 6 10.6	2.104	3.080	3.3	21.3
2 21	9 52.03	+ 6 51.2	2.083	3.067	2.2	21.2
3 2	9 43.07	+ 7 34.9	2.093	3.054	5.5	21.4
3 12	9 35.22	+ 8 16.9	2.131	3.040	9.0	21.6
3 22	9 29.15	+ 8 53.4	2.195	3.026	12.3	21.7

184756 2005 SX_{254} 2 16.4 261°.84 0°.0/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.17	+ 8 54.9	1.846	2.656	14.5	20.5
1 22	10 15.22	+ 9 41.0	1.755	2.647	11.1	20.2
2 1	10 8.95	+10 42.9	1.687	2.638	7.0	20.0
2 11	10 0.99	+11 55.8	1.646	2.629	2.5	19.7
2 21	9 52.23	+13 12.7	1.634	2.619	2.2	19.6
3 2	9 43.79	+14 26.2	1.650	2.610	6.8	19.9
3 12	9 36.73	+15 29.4	1.693	2.600	11.1	20.1
3 22	9 31.84	+16 18.3	1.759	2.591	14.8	20.3

508650 2017 TD_{12} 2 16.4 183°.68 6°.6/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 16.49	−17 27.6	3.308	3.937	12.0	22.1
1 22	10 12.21	−17 37.5	3.206	3.938	10.6	22.0
2 1	10 6.58	−17 28.5	3.123	3.937	9.1	21.9
2 11	10 0.04	−16 59.7	3.065	3.937	7.6	21.8
2 21	9 53.10	−16 11.8	3.033	3.935	6.7	21.7
3 2	9 46.35	−15 7.0	3.029	3.934	6.7	21.7
3 12	9 40.37	−13 49.7	3.053	3.932	7.7	21.7
3 22	9 35.61	−12 25.1	3.105	3.929	9.2	21.8

114875 2003 QG_{11} 2 16.4 204°.92 2°.5/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.41	+16 52.1	1.975	2.791	13.4	20.5
1 22	10 19.04	+17 41.9	1.889	2.787	10.1	20.3
2 1	10 11.28	+18 39.4	1.828	2.781	6.3	20.0
2 11	10 1.80	+19 38.0	1.795	2.775	2.9	19.8
2 21	9 51.57	+20 30.8	1.792	2.769	3.9	19.8
3 2	9 41.73	+21 11.8	1.817	2.761	7.7	20.1
3 12	9 33.38	+21 37.4	1.870	2.753	11.5	20.3
3 22	9 27.28	+21 46.8	1.945	2.745	14.8	20.5

3505 Byrd 2 16.4 102°.49 1°.9/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.07	+ 5 46.7	2.308	3.090	12.8	16.7
1 22	10 15.98	+ 5 42.0	2.229	3.101	9.9	16.5
2 1	10 9.07	+ 5 48.8	2.174	3.112	6.7	16.4
2 11	10 0.94	+ 6 5.2	2.147	3.123	3.3	16.2
2 21	9 52.35	+ 6 28.1	2.149	3.133	2.2	16.1
3 2	9 44.18	+ 6 53.8	2.182	3.143	5.2	16.3
3 12	9 37.21	+ 7 18.4	2.242	3.154	8.5	16.5
3 22	9 32.01	+ 7 38.9	2.328	3.163	11.5	16.7

308627 2005 XG_{45} 2 16.4 259°.39 3°.7/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.56	+24 2.0	2.729	3.551	9.9	21.1
1 22	10 14.07	+24 53.4	2.647	3.544	7.6	20.9
2 1	10 7.89	+25 45.5	2.591	3.537	5.2	20.7
2 11	10 0.53	+26 33.1	2.563	3.530	3.8	20.6
2 21	9 52.69	+27 11.4	2.566	3.523	4.7	20.7
3 2	9 45.15	+27 36.8	2.598	3.516	7.1	20.8
3 12	9 38.65	+27 47.4	2.656	3.509	9.6	21.0
3 22	9 33.75	+27 43.4	2.737	3.502	11.8	21.1

178984 2001 QE_{279} 2 16.4 147°.81 4°.0/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.26	+22 50.0	2.080	2.899	12.7	20.5
1 22	10 20.19	+23 32.7	2.010	2.907	9.6	20.3
2 1	10 11.83	+24 16.2	1.966	2.914	6.4	20.1
2 11	10 1.94	+24 53.9	1.949	2.921	4.1	19.9
2 21	9 51.52	+25 20.0	1.962	2.927	5.1	20.0
3 2	9 41.68	+25 30.5	2.004	2.933	8.2	20.2
3 12	9 33.43	+25 24.2	2.072	2.938	11.3	20.4
3 22	9 27.43	+25 2.5	2.163	2.943	14.1	20.6

95795 2003 FT_{23} 2 16.4 315°.92 0°.6/16.8 18

1 12	10 18.41	+ 8 21.7	1.668	2.483	15.5	20.0
1 22	10 14.86	+ 8 50.0	1.579	2.473	11.9	19.8
2 1	10 8.83	+ 9 34.8	1.513	2.463	7.7	19.5
2 11	10 0.98	+10 31.8	1.472	2.454	3.0	19.2
2 21	9 52.28	+11 34.7	1.458	2.444	2.2	19.1
3 2	9 43.93	+12 36.0	1.472	2.435	7.1	19.4
3 12	9 37.10	+13 28.9	1.512	2.427	11.6	19.6
3 22	9 32.62	+14 8.9	1.574	2.418	15.6	19.9

466149 2012 HY_{49} 2 16.4 251°.27 2°.0/14.4 17

1 12	10 18.95	+13 59.2	2.010	2.829	13.1	21.2
1 22	10 14.93	+15 11.2	1.920	2.820	9.8	21.0
2 1	10 8.72	+16 35.1	1.856	2.810	6.1	20.8
2 11	10 0.91	+18 4.2	1.819	2.801	2.5	20.5
2 21	9 52.35	+19 30.7	1.812	2.791	3.6	20.6
3 2	9 44.08	+20 47.1	1.834	2.781	7.4	20.8
3 12	9 37.10	+21 47.8	1.883	2.771	11.2	21.0
3 22	9 32.15	+22 30.3	1.955	2.761	14.5	21.2

338336 2002 WB_{1} 2 16.4 25°.84 8°.7/13.7 18

1 12	10 27.40	+27 29.4	0.693	1.577	23.8	18.4
1 22	10 23.27	+27 53.3	0.674	1.602	18.2	18.2
2 1	10 14.38	+28 8.4	0.672	1.630	12.6	18.0
2 11	10 2.79	+28 1.2	0.687	1.660	8.9	18.0
2 21	9 51.09	+27 24.5	0.723	1.693	10.0	18.2
3 2	9 41.69	+26 19.4	0.779	1.727	14.2	18.6
3 12	9 36.10	+24 52.6	0.854	1.764	18.7	18.9
3 22	9 34.64	+23 12.5	0.945	1.801	22.5	19.3

364049 2005 WE_{117} 2 16.4 175°.95 10°.5/29.4 17

1 12	10 22.08	−27 12.1	2.842	3.387	15.1	22.0
1 22	10 16.78	−28 9.0	2.747	3.391	14.0	21.8
2 1	10 9.64	−28 42.4	2.670	3.393	12.8	21.7
2 11	10 1.19	−28 48.6	2.612	3.395	11.6	21.6
2 21	9 52.12	−28 26.0	2.576	3.396	10.7	21.6
3 2	9 43.27	−27 35.8	2.565	3.396	10.5	21.6
3 12	9 35.45	−26 22.3	2.578	3.396	10.9	21.6
3 22	9 29.28	−24 52.0	2.615	3.394	12.0	21.7

313596 2003 OB_{8} 2 16.4 134°.04 4°.2/19.3 18

1 12	10 29.49	+ 0 43.0	2.117	2.866	14.9	20.8
1 22	10 22.42	+ 0 4.6	2.037	2.883	11.9	20.7
2 1	10 13.15	− 0 19.0	1.982	2.899	8.6	20.5
2 11	10 2.41	− 0 28.1	1.954	2.914	5.4	20.3
2 21	9 51.13	− 0 24.2	1.956	2.928	4.3	20.3
3 2	9 40.37	− 0 10.3	1.988	2.942	6.4	20.4
3 12	9 31.11	+ 0 9.1	2.050	2.955	9.6	20.6
3 22	9 23.99	+ 0 29.7	2.137	2.967	12.6	20.9

36875 2000 SS_{151} 2 16.4 114°.26 0°.8/17.1 18

1 12	10 20.43	+ 7 34.9	2.042	2.839	13.7	19.6
1 22	10 15.76	+ 8 1.3	1.965	2.849	10.5	19.4
2 1	10 9.06	+ 8 40.9	1.913	2.858	6.8	19.2
2 11	10 0.97	+ 9 30.1	1.887	2.868	2.7	19.0
2 21	9 52.36	+10 23.5	1.891	2.877	1.9	18.9
3 2	9 44.18	+11 15.7	1.925	2.886	5.8	19.2
3 12	9 37.35	+12 1.6	1.986	2.895	9.6	19.4
3 22	9 32.48	+12 37.8	2.071	2.903	12.8	19.7

59651 1999 JK_{91} 2 16.4 131°.36 5°.5/ 9.4 18

1 12	10 20.35	+29 39.9	2.728	3.548	10.0	18.9
1 22	10 15.46	+31 9.2	2.670	3.559	7.9	18.7
2 1	10 8.76	+32 35.6	2.640	3.570	6.1	18.6
2 11	10 0.84	+33 52.2	2.639	3.580	5.5	18.6
2 21	9 52.46	+34 53.4	2.667	3.591	6.5	18.7
3 2	9 44.44	+35 35.6	2.724	3.600	8.5	18.8
3 12	9 37.59	+35 57.8	2.806	3.610	10.5	19.0
3 22	9 32.45	+36 1.2	2.909	3.619	12.4	19.2

163674 2002 XP_{12} 2 16.4 47°.84 5°.7/11.5 18

1 12	10 22.93	+27 52.8	2.074	2.902	12.4	19.5
1 22	10 17.77	+28 46.9	2.012	2.909	9.6	19.4
2 1	10 10.35	+29 38.2	1.974	2.915	7.0	19.2
2 11	10 1.42	+30 19.1	1.964	2.922	5.7	19.1
2 21	9 51.99	+30 43.8	1.982	2.929	6.8	19.2
3 2	9 43.16	+30 48.9	2.027	2.936	9.3	19.4
3 12	9 35.92	+30 33.9	2.097	2.943	12.0	19.6
3 22	9 30.90	+30 1.1	2.188	2.950	14.5	19.8

43256 2000 CF_{82} 2 16.4 28°.19 0°.8/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 19.82	+12 43.3	1.995	2.810	13.3	18.9
1 22	10 15.42	+13 10.1	1.916	2.812	10.1	18.7
2 1	10 8.91	+13 46.4	1.861	2.814	6.3	18.5
2 11	10 0.93	+14 27.5	1.833	2.816	2.2	18.2
2 21	9 52.38	+15 8.2	1.834	2.818	2.4	18.2
3 2	9 44.26	+15 43.3	1.864	2.820	6.5	18.5
3 12	9 37.50	+16 8.7	1.920	2.823	10.2	18.7
3 22	9 32.78	+16 22.6	2.000	2.826	13.5	18.9

381607 2008 WX_{18} 2 16.4 190°.75 4°.8/21.3 17

1 12	10 18.30	− 5 29.9	2.503	3.232	13.3	21.8
1 22	10 13.92	− 5 32.0	2.406	3.231	11.1	21.6
2 1	10 7.83	− 5 15.8	2.332	3.229	8.5	21.5
2 11	10 0.53	− 4 41.6	2.283	3.227	6.0	21.3
2 21	9 52.71	− 3 51.4	2.262	3.225	4.8	21.2
3 2	9 45.13	− 2 49.4	2.271	3.223	5.9	21.3
3 12	9 38.56	− 1 41.0	2.309	3.220	8.4	21.4
3 22	9 33.56	− 0 31.9	2.372	3.216	11.0	21.6

386239 2008 AR_{49} 2 16.4 25°.51 1°.2/15.3 17

1 12	10 18.16	+13 58.9	2.251	3.066	12.0	21.0
1 22	10 13.96	+14 32.6	2.171	3.068	9.0	20.8
2 1	10 7.89	+15 14.1	2.117	3.070	5.6	20.6
2 11	10 0.56	+15 58.9	2.090	3.073	2.0	20.4
2 21	9 52.72	+16 41.8	2.093	3.075	2.5	20.4
3 2	9 45.26	+17 18.4	2.125	3.078	6.1	20.7
3 12	9 38.99	+17 45.1	2.184	3.081	9.4	20.9
3 22	9 34.50	+18 0.2	2.267	3.084	12.4	21.1

462312 2008 GQ_{121} 2 16.4 326°.47 3°.8/19.4 16

1 12	10 16.92	+ 0 5.7	1.600	2.390	17.2	21.9
1 22	10 13.80	+ 0 19.8	1.510	2.382	13.8	21.7
2 1	10 8.20	+ 0 58.3	1.442	2.374	9.9	21.4
2 11	10 0.78	+ 1 59.4	1.397	2.367	5.7	21.2
2 21	9 52.49	+ 3 18.2	1.379	2.360	3.9	21.0
3 2	9 44.54	+ 4 46.5	1.388	2.354	7.1	21.2
3 12	9 38.12	+ 6 14.9	1.423	2.348	11.4	21.4
3 22	9 34.06	+ 7 35.1	1.480	2.342	15.4	21.6

150185 1998 HO_{144} 2 16.4 254°.50 0°.8/15.5 18

1 12	10 17.98	+13 9.6	2.589	3.396	10.9	20.5
1 22	10 13.68	+13 44.0	2.493	3.385	8.2	20.3
2 1	10 7.69	+14 26.2	2.422	3.374	5.1	20.1
2 11	10 0.50	+15 12.4	2.380	3.362	1.8	19.8
2 21	9 52.77	+15 58.2	2.368	3.351	2.1	19.8
3 2	9 45.26	+16 39.2	2.386	3.339	5.5	20.1
3 12	9 38.75	+17 11.9	2.432	3.327	8.7	20.2
3 22	9 33.79	+17 34.3	2.503	3.315	11.5	20.4

220628 2004 PK_{104} 2 16.4 260°.41 5°.8/11.6 18

1 12	10 25.60	+27 9.4	1.998	2.824	12.9	20.5
1 22	10 20.12	+28 5.7	1.913	2.809	10.1	20.3
2 1	10 12.06	+29 1.0	1.853	2.794	7.3	20.1
2 11	10 2.12	+29 47.1	1.819	2.779	5.8	20.0
2 21	9 51.36	+30 16.8	1.814	2.764	7.1	20.0
3 2	9 41.04	+30 25.3	1.837	2.748	9.9	20.2
3 12	9 32.33	+30 11.6	1.884	2.733	13.1	20.3
3 22	9 26.07	+29 37.8	1.953	2.716	16.0	20.5

164353 2005 CH_{59} 2 16.4 352°.76 3°.5/18.8 18

1 12	10 14.41	+ 2 19.2	1.178	2.003	20.1	18.6
1 22	10 12.58	+ 2 30.2	1.102	1.996	16.0	18.3
2 1	10 7.76	+ 3 9.6	1.045	1.990	11.1	18.0
2 11	10 0.69	+ 4 14.9	1.010	1.986	5.9	17.7
2 21	9 52.59	+ 5 39.2	0.999	1.983	3.7	17.5
3 2	9 45.02	+ 7 11.3	1.011	1.981	8.2	17.8
3 12	9 39.43	+ 8 39.2	1.047	1.981	13.5	18.1
3 22	9 36.78	+ 9 53.5	1.103	1.982	18.2	18.3

233512 2007 EU_{184} 2 16.4 327°.37 3°.4/18.1 18

1 12	10 23.05	+ 5 18.3	1.275	2.091	19.4	20.2
1 22	10 19.03	+ 4 51.6	1.195	2.085	15.3	19.9
2 1	10 11.79	+ 4 43.9	1.134	2.078	10.5	19.6
2 11	10 2.13	+ 4 54.1	1.097	2.073	5.5	19.3
2 21	9 51.35	+ 5 18.3	1.084	2.068	3.8	19.2
3 2	9 41.09	+ 5 50.2	1.096	2.063	8.4	19.5
3 12	9 32.93	+ 6 22.4	1.133	2.058	13.6	19.7
3 22	9 27.86	+ 6 48.9	1.189	2.054	18.2	20.0

291046 2005 YX_{50} 2 16.4 35°.11 0°.1/16.3 18

1 12	10 19.11	+ 9 44.8	1.826	2.639	14.5	21.1
1 22	10 15.07	+10 20.5	1.748	2.642	11.0	20.9
2 1	10 8.79	+11 9.8	1.693	2.644	6.9	20.7
2 11	10 0.93	+12 8.0	1.664	2.647	2.5	20.4
2 21	9 52.44	+13 8.6	1.664	2.650	2.1	20.4
3 2	9 44.38	+14 5.1	1.693	2.653	6.6	20.7
3 12	9 37.78	+14 51.9	1.748	2.656	10.7	20.9
3 22	9 33.33	+15 25.7	1.825	2.660	14.2	21.1

464116 2014 WF_{459} 2 16.4 151°.50 1°.0/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.05	+13 13.1	1.891	2.706	14.0	21.7
1 22	10 17.23	+13 43.6	1.812	2.708	10.5	21.5
2 1	10 10.11	+14 23.8	1.757	2.710	6.6	21.3
2 11	10 1.40	+15 8.6	1.729	2.712	2.3	21.0
2 21	9 52.05	+15 52.1	1.730	2.714	2.7	21.0
3 2	9 43.16	+16 28.7	1.760	2.716	6.9	21.3
3 12	9 35.77	+16 54.3	1.817	2.717	10.8	21.5
3 22	9 30.58	+17 7.1	1.896	2.719	14.2	21.8

10256 Vredevoogd 2 16.4 357°.14 1°.5/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.57	+ 5 28.5	1.221	2.049	19.3	18.0
1 22	10 14.89	+ 6 1.9	1.148	2.047	15.0	17.7
2 1	10 9.16	+ 7 0.6	1.094	2.045	9.9	17.4
2 11	10 1.18	+ 8 19.8	1.063	2.044	4.2	17.1
2 21	9 52.20	+ 9 50.4	1.057	2.043	2.7	17.0
3 2	9 43.79	+11 20.8	1.076	2.044	8.3	17.3
3 12	9 37.41	+12 40.2	1.119	2.045	13.7	17.6
3 22	9 34.00	+13 41.7	1.182	2.047	18.3	17.9

89653 2001 XS_{249} 2 16.4 270°.27 1°.0/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.08	+12 26.8	1.851	2.669	14.1	19.8
1 22	10 15.86	+13 8.4	1.767	2.665	10.7	19.5
2 1	10 9.33	+14 1.7	1.708	2.661	6.6	19.3
2 11	10 1.15	+15 1.2	1.675	2.658	2.3	19.0
2 21	9 52.25	+16 0.3	1.670	2.654	2.7	19.0
3 2	9 43.75	+16 52.3	1.694	2.650	7.1	19.3
3 12	9 36.70	+17 32.3	1.745	2.646	11.2	19.5
3 22	9 31.84	+17 57.8	1.818	2.643	14.7	19.7

221174 2005 TD_{181} 2 16.4 260°.07 0°.4/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.20	+11 17.0	1.937	2.747	13.9	21.0
1 22	10 16.70	+11 45.5	1.841	2.734	10.6	20.8
2 1	10 9.89	+12 25.8	1.769	2.721	6.7	20.5
2 11	10 1.37	+13 13.6	1.724	2.707	2.3	20.2
2 21	9 52.04	+14 3.2	1.708	2.693	2.3	20.2
3 2	9 43.00	+14 48.5	1.721	2.679	6.8	20.4
3 12	9 35.33	+15 24.6	1.761	2.665	10.9	20.6
3 22	9 29.79	+15 48.5	1.824	2.651	14.5	20.8

229650 2006 GY_{22} 2 16.4 293°.56 1°.6/15.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.38	+14 35.1	1.982	2.802	13.2	20.6
1 22	10 15.28	+15 14.5	1.890	2.790	10.0	20.4
2 1	10 8.96	+16 3.2	1.822	2.777	6.2	20.1
2 11	10 1.03	+16 56.0	1.782	2.764	2.4	19.8
2 21	9 52.35	+17 46.7	1.770	2.752	3.1	19.9
3 2	9 43.98	+18 29.4	1.787	2.739	7.1	20.1
3 12	9 36.94	+18 59.6	1.830	2.727	11.0	20.3
3 22	9 31.97	+19 15.6	1.896	2.714	14.4	20.5

382324 2013 TM_{7} 2 16.4 119°.69 2°.8/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.94	+18 16.0	2.250	3.071	11.8	21.2
1 22	10 15.32	+19 17.5	2.180	3.079	8.8	21.0
2 1	10 8.76	+20 24.2	2.135	3.088	5.6	20.8
2 11	10 0.89	+21 29.9	2.119	3.096	3.0	20.7
2 21	9 52.53	+22 28.5	2.132	3.105	4.0	20.8
3 2	9 44.58	+23 14.9	2.175	3.113	7.1	21.0
3 12	9 37.91	+23 46.2	2.245	3.120	10.2	21.2
3 22	9 33.10	+24 1.6	2.338	3.128	12.9	21.4

497275 2005 NX_{109} 2 16.4 128°.83 2°.9/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.42	+ 1 31.5	2.706	3.464	11.7	21.8
1 22	10 14.54	+ 1 20.8	2.620	3.473	9.3	21.6
2 1	10 8.11	+ 1 22.3	2.558	3.481	6.6	21.4
2 11	10 0.64	+ 1 35.0	2.524	3.489	4.0	21.3
2 21	9 52.75	+ 1 56.7	2.520	3.497	2.9	21.2
3 2	9 45.17	+ 2 24.4	2.546	3.504	4.8	21.4
3 12	9 38.57	+ 2 54.4	2.601	3.511	7.5	21.5
3 22	9 33.44	+ 3 23.2	2.682	3.519	10.1	21.7

123534 2000 XD_{16} 2 16.4 69°.26 2°.3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.33	+18 11.3	1.788	2.607	14.5	19.9
1 22	10 21.05	+18 24.2	1.730	2.628	10.8	19.7
2 1	10 12.36	+18 40.9	1.696	2.649	6.7	19.5
2 11	10 2.14	+18 55.8	1.690	2.671	2.9	19.3
2 21	9 51.53	+19 3.9	1.712	2.692	3.6	19.4
3 2	9 41.73	+19 1.8	1.764	2.713	7.4	19.6
3 12	9 33.77	+18 48.2	1.842	2.734	11.2	19.9
3 22	9 28.26	+18 23.6	1.942	2.755	14.3	20.2

59562 1999 JK_{43} 2 16.4 270°.04 6°.4/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.00	− 6 18.8	2.096	2.829	15.5	19.0
1 22	10 15.73	− 6 47.8	1.984	2.808	13.1	18.8
2 1	10 9.28	− 6 56.5	1.894	2.788	10.3	18.6
2 11	10 1.18	− 6 43.5	1.827	2.767	7.7	18.4
2 21	9 52.20	− 6 9.1	1.788	2.746	6.4	18.2
3 2	9 43.33	− 5 16.8	1.777	2.724	7.6	18.3
3 12	9 35.60	− 4 12.7	1.792	2.703	10.4	18.4
3 22	9 29.80	− 3 3.6	1.832	2.680	13.5	18.5

121547 Fenghuotongxin 2 16.4 182°.94 16°.9/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 40.49	+47 57.3	1.322	2.127	19.4	19.6
1 22	10 33.84	+50 24.8	1.286	2.128	17.7	19.5
2 1	10 21.80	+52 27.4	1.270	2.128	16.9	19.5
2 11	10 5.78	+53 46.1	1.275	2.128	17.3	19.5
2 21	9 48.41	+54 9.3	1.299	2.127	18.7	19.6
3 2	9 32.81	+53 35.5	1.341	2.126	20.6	19.7
3 12	9 21.43	+52 13.6	1.399	2.125	22.7	19.8
3 22	9 15.22	+50 16.8	1.470	2.123	24.6	20.0

210728 2000 TL_{6} 2 16.4 127°.76 1°.3/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.57	+ 5 31.9	2.711	3.491	11.2	21.4
1 22	10 13.17	+ 5 53.1	2.628	3.500	8.6	21.2
2 1	10 7.26	+ 6 25.5	2.570	3.509	5.7	21.0
2 11	10 0.34	+ 7 6.6	2.541	3.518	2.7	20.8
2 21	9 53.02	+ 7 52.7	2.542	3.527	1.7	20.8
3 2	9 46.01	+ 8 40.0	2.573	3.535	4.5	21.0
3 12	9 39.96	+ 9 24.5	2.633	3.543	7.5	21.2
3 22	9 35.34	+10 3.1	2.720	3.551	10.1	21.4

151174 2001 XT_{182} 2 16.4 92°.42 0°.6/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.17	+ 8 15.8	1.967	2.765	14.1	20.5
1 22	10 17.04	+ 8 43.0	1.902	2.786	10.8	20.3
2 1	10 9.84	+ 9 23.0	1.860	2.807	6.8	20.1
2 11	10 1.27	+10 11.4	1.847	2.828	2.6	19.9
2 21	9 52.26	+11 2.9	1.862	2.848	1.9	19.9
3 2	9 43.82	+11 51.8	1.907	2.868	6.0	20.2
3 12	9 36.83	+12 33.4	1.979	2.887	9.7	20.4
3 22	9 31.91	+13 4.8	2.076	2.906	12.9	20.7

427720 2004 HP_{2} 2 16.4 266°.31 18°.5/29.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.66	+46 52.3	1.143	1.970	20.4	20.6
1 22	10 28.71	+50 10.9	1.109	1.965	18.9	20.5
2 1	10 19.13	+53 4.5	1.095	1.960	18.6	20.4
2 11	10 5.03	+55 10.6	1.101	1.955	19.4	20.4
2 21	9 48.96	+56 14.3	1.125	1.949	21.2	20.5
3 2	9 34.33	+56 12.7	1.164	1.944	23.5	20.7
3 12	9 24.03	+55 14.5	1.217	1.939	25.7	20.8
3 22	9 19.27	+53 33.4	1.279	1.934	27.6	21.0

159439 1999 XR_{12} 2 16.4 130°.57 5°.0/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.18	− 6 36.3	2.504	3.224	13.5	20.6
1 22	10 14.50	− 6 39.8	2.420	3.237	11.2	20.5
2 1	10 8.15	− 6 24.6	2.358	3.250	8.7	20.3
2 11	10 0.68	− 5 51.0	2.322	3.262	6.3	20.2
2 21	9 52.76	− 5 1.3	2.315	3.274	5.0	20.1
3 2	9 45.17	− 3 59.7	2.337	3.285	6.0	20.2
3 12	9 38.65	− 2 51.7	2.387	3.296	8.2	20.4
3 22	9 33.71	− 1 42.9	2.463	3.306	10.7	20.5

351614 2005 WL_{51} 2 16.4 126°.16 4°.7/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.92	− 1 28.2	1.808	2.565	16.7	21.8
1 22	10 20.09	− 1 40.2	1.734	2.583	13.5	21.6
2 1	10 11.88	− 1 31.5	1.683	2.601	9.8	21.4
2 11	10 2.04	− 1 3.0	1.657	2.617	6.2	21.3
2 21	9 51.61	− 0 18.3	1.659	2.633	4.7	21.2
3 2	9 41.76	+ 0 37.0	1.690	2.647	6.9	21.4
3 12	9 33.53	+ 1 35.9	1.748	2.661	10.4	21.6
3 22	9 27.64	+ 2 31.9	1.831	2.675	13.7	21.8

402017 2003 SD_{32} 2 16.4 78°.15 2°.8/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.55	+ 5 46.8	1.578	2.372	17.2	20.6
1 22	10 21.49	+ 5 21.8	1.515	2.393	13.4	20.4
2 1	10 12.79	+ 5 12.3	1.475	2.414	9.0	20.2
2 11	10 2.35	+ 5 16.2	1.459	2.435	4.5	19.9
2 21	9 51.38	+ 5 29.9	1.472	2.456	3.1	19.9
3 2	9 41.21	+ 5 48.5	1.513	2.476	7.0	20.2
3 12	9 32.97	+ 6 7.1	1.581	2.496	11.2	20.5
3 22	9 27.36	+ 6 21.6	1.671	2.516	14.8	20.7

369276 2009 QY_{13} 2 16.4 263°.99 1°.5/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.38	+15 44.7	1.919	2.733	13.8	20.8
1 22	10 19.92	+15 56.2	1.822	2.718	10.5	20.5
2 1	10 11.95	+16 14.2	1.750	2.702	6.6	20.3
2 11	10 2.14	+16 34.1	1.704	2.687	2.5	20.0
2 21	9 51.47	+16 50.6	1.688	2.671	3.0	20.0
3 2	9 41.14	+16 59.2	1.701	2.655	7.3	20.2
3 12	9 32.32	+16 57.2	1.741	2.638	11.4	20.4
3 22	9 25.83	+16 43.5	1.804	2.622	15.0	20.6

303357 2004 TY_{345} 2 16.4 187°.13 2°.1/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.53	+ 5 6.3	1.933	2.716	14.9	21.4
1 22	10 19.10	+ 5 12.6	1.844	2.716	11.7	21.2
2 1	10 11.33	+ 5 34.3	1.777	2.716	7.8	21.0
2 11	10 1.89	+ 6 8.7	1.738	2.714	3.8	20.7
2 21	9 51.71	+ 6 51.7	1.728	2.712	2.5	20.6
3 2	9 41.92	+ 7 37.7	1.747	2.709	6.3	20.9
3 12	9 33.57	+ 8 21.3	1.794	2.705	10.3	21.1
3 22	9 27.42	+ 8 58.0	1.865	2.701	13.9	21.3

54879 2001 OO_{54} 2 16.4 78°.08 3°.2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 25.28	+18 32.2	1.729	2.554	14.6	19.5
1 22	10 19.63	+19 26.0	1.678	2.580	10.9	19.4
2 1	10 11.53	+20 24.5	1.652	2.606	6.8	19.2
2 11	10 1.89	+21 20.1	1.653	2.632	3.5	19.0
2 21	9 51.83	+22 5.7	1.683	2.657	4.6	19.2
3 2	9 42.57	+22 36.0	1.741	2.682	8.2	19.4
3 12	9 35.15	+22 49.0	1.824	2.707	11.8	19.7
3 22	9 30.19	+22 45.5	1.930	2.732	14.8	19.9

293561 2007 HK_{49} 2 16.4 182°.12 3°.5/13.7 18

1 12	10 24.86	+18 9.2	1.704	2.530	14.8	21.6
1 22	10 19.72	+19 14.9	1.629	2.531	11.1	21.4
2 1	10 11.88	+20 28.6	1.578	2.532	7.1	21.1
2 11	10 2.12	+21 41.9	1.554	2.532	3.8	20.9
2 21	9 51.55	+22 45.9	1.558	2.531	5.0	21.0
3 2	9 41.50	+23 33.6	1.590	2.530	9.0	21.2
3 12	9 33.23	+24 1.2	1.648	2.528	13.0	21.5
3 22	9 27.53	+24 8.5	1.727	2.526	16.4	21.7

120604 1995 VF_{7} 2 16.4 277°.84 2°.4/14.8 18

1 12	10 22.94	+14 52.4	1.427	2.261	16.7	19.8
1 22	10 18.85	+15 39.6	1.342	2.248	12.7	19.5
2 1	10 11.67	+16 40.0	1.279	2.236	8.0	19.2
2 11	10 2.14	+17 46.1	1.241	2.223	3.2	18.9
2 21	9 51.48	+18 48.6	1.229	2.210	4.3	19.0
3 2	9 41.24	+19 38.3	1.244	2.198	9.4	19.2
3 12	9 32.94	+20 9.6	1.283	2.185	14.3	19.4
3 22	9 27.59	+20 20.7	1.342	2.172	18.6	19.7

357211 2002 GU_{133} 2 16.4 4°.23 2°.4/15.0 18

1 12	10 23.07	+16 13.6	1.302	2.144	17.5	20.2
1 22	10 18.95	+16 38.8	1.233	2.143	13.2	20.0
2 1	10 11.64	+17 13.6	1.185	2.143	8.3	19.7
2 11	10 2.07	+17 50.6	1.162	2.144	3.4	19.4
2 21	9 51.61	+18 21.6	1.163	2.145	4.2	19.5
3 2	9 41.88	+18 39.9	1.191	2.147	9.3	19.8
3 12	9 34.34	+18 41.7	1.242	2.150	14.2	20.0
3 22	9 29.87	+18 26.8	1.312	2.153	18.3	20.3

12990 1981 EB_{17} 2 16.4 294°.87 0°.5/16.1 18

1 12	10 22.57	+12 5.0	1.635	2.455	15.6	18.2
1 22	10 18.05	+12 22.5	1.552	2.449	11.9	17.9
2 1	10 10.88	+12 51.8	1.490	2.443	7.5	17.6
2 11	10 1.78	+13 28.0	1.455	2.438	2.6	17.3
2 21	9 51.83	+14 5.1	1.447	2.432	2.6	17.3
3 2	9 42.35	+14 37.0	1.467	2.427	7.5	17.6
3 12	9 34.56	+14 58.8	1.512	2.421	12.0	17.8
3 22	9 29.29	+15 8.0	1.580	2.416	15.9	18.1

306907 2001 TD_{181} 2 16.4 182°.11 3°.3/13.0 17

1 12	10 21.76	+22 48.5	2.696	3.511	10.3	20.8
1 22	10 16.44	+23 27.3	2.617	3.512	7.7	20.7
2 1	10 9.37	+24 6.7	2.564	3.512	5.1	20.5
2 11	10 1.13	+24 42.0	2.540	3.512	3.3	20.4
2 21	9 52.45	+25 8.6	2.547	3.511	4.2	20.4
3 2	9 44.12	+25 23.4	2.583	3.510	6.7	20.6
3 12	9 36.91	+25 25.0	2.647	3.509	9.3	20.8
3 22	9 31.38	+25 13.5	2.735	3.507	11.7	20.9

15779 Scottroberts 2 16.4 167°.96 9°.3/23.5 18

1 12	10 27.56	−14 7.3	2.200	2.865	16.6	18.3
1 22	10 21.24	−15 21.6	2.110	2.871	14.6	18.1
2 1	10 12.64	−16 14.1	2.040	2.876	12.4	18.0
2 11	10 2.38	−16 40.9	1.993	2.880	10.4	17.9
2 21	9 51.34	−16 40.6	1.973	2.883	9.3	17.8
3 2	9 40.59	−16 14.9	1.981	2.885	9.7	17.8
3 12	9 31.17	−15 29.0	2.014	2.887	11.3	17.9
3 22	9 23.84	−14 30.2	2.072	2.888	13.4	18.1

101820 1999 JC_{14} 2 16.4 26°.82 21°.4/28.0 18

1 12	10 31.86	+50 3.3	0.970	1.803	22.8	18.2
1 22	10 28.91	+53 37.2	0.954	1.806	21.6	18.1
2 1	10 19.54	+56 33.8	0.955	1.810	21.5	18.1
2 11	10 5.19	+58 30.3	0.973	1.814	22.4	18.2
2 21	9 49.07	+59 14.5	1.006	1.818	24.1	18.3
3 2	9 35.16	+58 47.5	1.052	1.824	26.0	18.5
3 12	9 26.40	+57 21.8	1.109	1.829	27.8	18.7
3 22	9 23.61	+55 13.3	1.175	1.835	29.4	18.9

341707 2007 VY_{173} 2 16.4 186°.79 0°.5/15.9 17

1 12	10 19.80	+12 34.7	2.721	3.520	10.6	22.3
1 22	10 14.92	+13 1.0	2.632	3.520	8.0	22.1
2 1	10 8.42	+13 34.3	2.569	3.519	5.0	21.9
2 11	10 0.81	+14 11.3	2.535	3.518	1.7	21.7
2 21	9 52.74	+14 48.0	2.532	3.516	1.8	21.7
3 2	9 44.95	+15 20.8	2.559	3.514	5.1	21.9
3 12	9 38.15	+15 46.5	2.616	3.511	8.1	22.1
3 22	9 32.87	+16 3.5	2.697	3.509	10.8	22.3

282685 2005 XC_{24} 2 16.4 86°.53 5°.5/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.15	+ 0 4.5	1.452	2.233	19.1	20.1
1 22	10 20.82	− 0 39.1	1.382	2.245	15.4	19.9
2 1	10 12.62	− 1 1.3	1.332	2.256	11.2	19.7
2 11	10 2.39	− 1 1.7	1.305	2.268	7.2	19.5
2 21	9 51.40	− 0 42.5	1.305	2.280	5.6	19.4
3 2	9 41.08	− 0 9.1	1.332	2.291	8.2	19.6
3 12	9 32.74	+ 0 31.1	1.384	2.302	12.2	19.8
3 22	9 27.21	+ 1 11.1	1.457	2.314	16.0	20.1

76926 2001 AA_{24} 2 16.4 178°.55 8°.4/ 7.2 18

1 12	10 26.56	+33 10.8	2.066	2.886	12.7	19.7
1 22	10 21.00	+35 21.4	2.007	2.889	10.4	19.6
2 1	10 12.73	+37 27.1	1.974	2.890	8.7	19.5
2 11	10 2.46	+39 16.6	1.970	2.891	8.5	19.5
2 21	9 51.30	+40 40.5	1.993	2.891	9.9	19.5
3 2	9 40.60	+41 33.5	2.043	2.890	12.1	19.7
3 12	9 31.61	+41 55.4	2.115	2.889	14.5	19.8
3 22	9 25.19	+41 49.8	2.206	2.887	16.6	20.0

92641 2000 QM_{23} 2 16.4 145°.07 1°.9/14.9 18

1 12	10 26.93	+15 50.0	1.898	2.710	14.1	20.2
1 22	10 20.85	+16 24.9	1.827	2.721	10.6	20.0
2 1	10 12.37	+17 6.8	1.779	2.731	6.6	19.7
2 11	10 2.25	+17 49.8	1.760	2.741	2.6	19.5
2 21	9 51.55	+18 27.7	1.770	2.750	3.3	19.6
3 2	9 41.44	+18 55.4	1.809	2.758	7.3	19.8
3 12	9 33.00	+19 10.0	1.876	2.766	11.1	20.1
3 22	9 26.90	+19 10.9	1.965	2.772	14.4	20.3

243757 2000 QZ_{198} 2 16.4 143°.58 0°.3/16.8 17

1 12	10 17.14	+ 7 54.8	3.114	3.897	9.8	21.4
1 22	10 12.70	+ 8 40.6	3.031	3.908	7.4	21.2
2 1	10 6.92	+ 9 35.8	2.975	3.919	4.7	21.0
2 11	10 0.25	+10 37.1	2.949	3.930	1.8	20.8
2 21	9 53.24	+11 40.6	2.954	3.940	1.3	20.8
3 2	9 46.49	+12 42.1	2.991	3.949	4.2	21.0
3 12	9 40.55	+13 38.1	3.058	3.958	6.9	21.2
3 22	9 35.88	+14 26.0	3.151	3.967	9.3	21.4

88067 2000 VM_{49} 2 16.4 109°.34 3°.4/19.8 18

1 12	10 22.00	− 0 54.3	2.440	3.187	13.2	20.7
1 22	10 16.54	− 0 51.0	2.369	3.213	10.5	20.6
2 1	10 9.39	− 0 31.9	2.321	3.237	7.6	20.4
2 11	10 1.14	+ 0 1.3	2.300	3.261	4.7	20.3
2 21	9 52.52	+ 0 45.5	2.310	3.284	3.4	20.2
3 2	9 44.34	+ 1 36.4	2.349	3.307	5.3	20.4
3 12	9 37.33	+ 2 29.0	2.418	3.329	8.0	20.6
3 22	9 32.01	+ 3 18.8	2.513	3.350	10.7	20.8

434192 2003 CQ_{1} 2 16.4 38°.93 4°.0/11.9 17

1 12	10 17.17	+16 15.2	1.838	2.670	13.6	19.7
1 22	10 13.68	+18 38.7	1.779	2.686	10.0	19.5
2 1	10 7.96	+21 12.7	1.748	2.704	6.3	19.4
2 11	10 0.71	+23 45.8	1.747	2.721	4.0	19.3
2 21	9 52.84	+26 6.2	1.775	2.740	5.7	19.4
3 2	9 45.44	+28 4.5	1.834	2.758	9.1	19.6
3 12	9 39.49	+29 35.4	1.918	2.777	12.4	19.9
3 22	9 35.68	+30 38.5	2.024	2.797	15.2	20.1

359210 2009 DQ_{81} 2 16.4 319°.98 0°.5/16.8 18

1 12	10 19.09	+ 7 27.1	1.516	2.334	16.7	20.8
1 22	10 15.60	+ 8 9.7	1.434	2.329	12.9	20.6
2 1	10 9.43	+ 9 12.2	1.374	2.325	8.3	20.3
2 11	10 1.31	+10 29.5	1.339	2.321	3.2	20.0
2 21	9 52.30	+11 53.3	1.331	2.317	2.3	19.9
3 2	9 43.72	+13 14.4	1.350	2.313	7.5	20.2
3 12	9 36.83	+14 24.4	1.394	2.310	12.4	20.5
3 22	9 32.50	+15 18.1	1.461	2.307	16.5	20.7

461984 2006 VP_{124} 2 16.4 230°.88 7°.6/22.3 18

1 12	10 20.82	− 8 27.2	1.899	2.626	17.1	21.1
1 22	10 16.44	− 9 9.6	1.808	2.623	14.5	20.9
2 1	10 9.76	− 9 29.1	1.736	2.620	11.7	20.7
2 11	10 1.40	− 9 23.3	1.687	2.617	9.0	20.5
2 21	9 52.24	− 8 52.7	1.664	2.613	7.6	20.4
3 2	9 43.38	− 8 1.0	1.668	2.610	8.5	20.5
3 12	9 35.88	− 6 55.0	1.698	2.606	11.0	20.6
3 22	9 30.52	− 5 42.7	1.751	2.602	14.0	20.8

342921 2008 YM_{158} 2 16.4 123°.68 1°.0/17.3 17

1 12	10 22.45	+ 8 50.1	2.515	3.301	11.8	21.2
1 22	10 16.92	+ 8 43.1	2.433	3.310	9.0	21.0
2 1	10 9.66	+ 8 44.6	2.376	3.318	5.9	20.8
2 11	10 1.25	+ 8 52.2	2.347	3.327	2.5	20.6
2 21	9 52.42	+ 9 3.4	2.350	3.335	1.7	20.6
3 2	9 43.97	+ 9 15.2	2.383	3.343	5.0	20.8
3 12	9 36.66	+ 9 24.6	2.444	3.351	8.2	21.0
3 22	9 31.02	+ 9 29.6	2.532	3.358	10.9	21.2

101812 1999 JD_7 2 16.4 321°.54 7°.1/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 21.29	+27 1.9	1.698	2.539	14.1	19.3
1 22	10 17.25	+28 38.7	1.630	2.533	11.0	19.1
2 1	10 10.46	+30 16.0	1.586	2.528	8.2	18.9
2 11	10 1.67	+31 43.0	1.568	2.523	7.1	18.8
2 21	9 52.03	+32 49.8	1.577	2.519	8.6	18.9
3 2	9 42.91	+33 29.7	1.611	2.514	11.6	19.0
3 12	9 35.60	+33 41.1	1.669	2.510	14.8	19.2
3 22	9 30.93	+33 26.4	1.745	2.506	17.7	19.4

458830 2011 UQ_{22} 2 16.4 122°.53 0°.8/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.92	+12 54.9	1.813	2.621	14.8	21.9
1 22	10 20.86	+13 20.5	1.746	2.637	11.1	21.7
2 1	10 12.36	+13 55.6	1.702	2.653	6.9	21.5
2 11	10 2.25	+14 34.9	1.686	2.669	2.4	21.2
2 21	9 51.60	+15 12.3	1.699	2.683	2.6	21.3
3 2	9 41.62	+15 42.7	1.742	2.698	6.9	21.6
3 12	9 33.35	+16 2.5	1.812	2.711	10.9	21.8
3 22	9 27.48	+16 10.3	1.905	2.724	14.3	22.1

279902 2001 QT_{223} 2 16.4 191°.92 0°.1/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.43	+ 9 41.9	2.822	3.613	10.5	21.9
1 22	10 13.86	+10 15.2	2.729	3.611	8.0	21.7
2 1	10 7.76	+10 57.5	2.662	3.609	5.0	21.5
2 11	10 0.60	+11 45.7	2.625	3.607	1.8	21.3
2 21	9 52.98	+12 35.8	2.618	3.603	1.5	21.3
3 2	9 45.60	+13 23.7	2.642	3.600	4.7	21.5
3 12	9 39.13	+14 5.8	2.696	3.596	7.7	21.7
3 22	9 34.08	+14 39.6	2.775	3.591	10.4	21.9

331150 2010 WJ_{59} 2 16.4 17°.83 1°.5/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.25	+13 57.8	1.604	2.432	15.5	20.9
1 22	10 17.02	+14 29.2	1.531	2.434	11.7	20.7
2 1	10 10.19	+15 11.1	1.480	2.436	7.2	20.4
2 11	10 1.55	+15 57.7	1.456	2.438	2.6	20.1
2 21	9 52.18	+16 41.8	1.458	2.441	3.2	20.2
3 2	9 43.38	+17 17.0	1.488	2.445	7.8	20.5
3 12	9 36.31	+17 39.0	1.543	2.448	12.1	20.7
3 22	9 31.75	+17 46.2	1.620	2.452	15.8	21.0

188290 2003 BW_{65} 2 16.4 47°.55 0°.1/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.30	+ 9 8.3	1.674	2.490	15.5	20.2
1 22	10 15.43	+ 9 53.0	1.599	2.495	11.7	20.0
2 1	10 9.14	+10 53.6	1.548	2.500	7.4	19.8
2 11	10 1.16	+12 4.5	1.522	2.505	2.6	19.5
2 21	9 52.50	+13 18.1	1.525	2.511	2.3	19.5
3 2	9 44.34	+14 26.7	1.555	2.516	7.0	19.8
3 12	9 37.76	+15 23.7	1.612	2.522	11.3	20.0
3 22	9 33.50	+16 5.6	1.691	2.528	15.0	20.3

84204 2002 RZ_{133} 2 16.4 109°.27 0°.6/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.84	+ 9 17.7	1.978	2.780	13.9	20.0
1 22	10 16.88	+10 32.2	1.913	2.802	10.5	19.8
2 1	10 9.81	+12 0.5	1.872	2.822	6.5	19.6
2 11	10 1.35	+13 36.2	1.860	2.843	2.2	19.4
2 21	9 52.38	+15 11.2	1.878	2.862	2.3	19.4
3 2	9 43.94	+16 37.9	1.926	2.881	6.5	19.7
3 12	9 36.93	+17 50.7	2.003	2.900	10.2	20.0
3 22	9 31.97	+18 46.6	2.103	2.917	13.3	20.2

24562 4647 P–L 2 16.4 246°.77 0°.8/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.47	+ 7 58.7	1.534	2.345	16.9	19.2
1 22	10 19.02	+ 8 21.2	1.443	2.334	13.1	18.9
2 1	10 11.70	+ 9 1.6	1.374	2.323	8.5	18.6
2 11	10 2.18	+ 9 55.8	1.330	2.311	3.4	18.3
2 21	9 51.59	+10 57.1	1.313	2.299	2.4	18.2
3 2	9 41.35	+11 57.5	1.324	2.287	7.7	18.5
3 12	9 32.84	+12 49.5	1.360	2.274	12.7	18.7
3 22	9 27.05	+13 28.2	1.418	2.261	17.1	18.9

502131 2015 BB_{20} 2 16.4 270°.48 1°.9/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.85	+15 35.3	2.205	3.024	12.1	21.2
1 22	10 14.69	+16 24.5	2.116	3.015	9.1	21.0
2 1	10 8.52	+17 21.6	2.051	3.006	5.7	20.8
2 11	10 0.93	+18 21.5	2.015	2.996	2.4	20.6
2 21	9 52.70	+19 18.0	2.008	2.987	3.2	20.6
3 2	9 44.76	+20 5.7	2.031	2.978	6.8	20.8
3 12	9 38.02	+20 40.6	2.080	2.969	10.3	21.0
3 22	9 33.14	+21 1.0	2.152	2.959	13.3	21.2

371640 2007 BW_{20} 2 16.4 351°.15 0°.2/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 13.15	+ 6 51.1	1.333	2.166	17.7	19.9
1 22	10 11.40	+ 8 7.3	1.254	2.159	13.5	19.6
2 1	10 6.94	+ 9 49.6	1.197	2.152	8.6	19.3
2 11	10 0.47	+11 50.7	1.164	2.147	3.0	19.0
2 21	9 53.07	+13 59.1	1.157	2.143	2.8	19.0
3 2	9 46.10	+16 1.2	1.177	2.140	8.4	19.3
3 12	9 40.89	+17 45.4	1.220	2.138	13.5	19.6
3 22	9 38.33	+19 5.1	1.285	2.138	17.9	19.8

313187 2001 QK_2 2 16.4 138°.52 1°.8/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 27.32	+17 19.7	2.203	3.009	12.6	20.5
1 22	10 20.81	+17 37.8	2.130	3.021	9.4	20.3
2 1	10 12.19	+18 0.0	2.082	3.033	5.9	20.1
2 11	10 2.18	+18 21.4	2.063	3.044	2.5	19.9
2 21	9 51.71	+18 37.6	2.075	3.055	3.0	19.9
3 2	9 41.80	+18 45.1	2.117	3.065	6.5	20.2
3 12	9 33.37	+18 42.1	2.188	3.074	9.9	20.4
3 22	9 27.02	+18 28.5	2.282	3.083	12.8	20.6

55331 Putzi 2 16.4 118°.89 4°.6/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.87	− 5 31.5	2.724	3.445	12.5	19.0
1 22	10 14.16	− 5 45.6	2.640	3.459	10.4	18.9
2 1	10 7.91	− 5 43.6	2.580	3.473	8.0	18.7
2 11	10 0.65	− 5 25.7	2.546	3.486	5.8	18.6
2 21	9 52.99	− 4 53.6	2.540	3.499	4.7	18.5
3 2	9 45.64	− 4 10.6	2.564	3.511	5.6	18.6
3 12	9 39.26	− 3 21.2	2.617	3.524	7.7	18.8
3 22	9 34.33	− 2 30.0	2.696	3.536	10.0	18.9

318049 2004 FB_{31} 2 16.4 281°.43 5°.2/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.97	+20 59.5	1.913	2.743	13.2	20.9
1 22	10 17.00	+22 52.6	1.810	2.714	10.1	20.6
2 1	10 10.42	+24 56.7	1.733	2.683	6.9	20.4
2 11	10 1.76	+27 1.9	1.685	2.653	5.2	20.2
2 21	9 51.92	+28 57.1	1.666	2.622	7.0	20.2
3 2	9 42.11	+30 32.2	1.675	2.590	10.5	20.4
3 12	9 33.63	+31 41.2	1.710	2.558	14.2	20.5
3 22	9 27.49	+32 22.8	1.765	2.525	17.5	20.7

49629 1999 GF_{20} 2 16.4 325°.19 6°.1/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.13	+27 26.1	2.034	2.868	12.4	17.9
1 22	10 15.95	+28 42.3	1.961	2.861	9.7	17.7
2 1	10 9.44	+29 57.7	1.913	2.854	7.1	17.5
2 11	10 1.29	+31 4.0	1.892	2.848	6.1	17.4
2 21	9 52.45	+31 53.9	1.898	2.841	7.3	17.5
3 2	9 44.05	+32 22.2	1.932	2.835	10.0	17.6
3 12	9 37.13	+32 27.6	1.989	2.830	12.8	17.8
3 22	9 32.42	+32 11.4	2.067	2.825	15.4	18.0

378992 2008 UF_{295} 2 16.4 159°.86 6°.7/23.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.93	−12 2.5	2.593	3.276	13.9	21.9
1 22	10 14.39	−12 24.2	2.501	3.281	12.0	21.8
2 1	10 8.17	−12 25.7	2.429	3.286	9.9	21.7
2 11	10 0.78	−12 5.8	2.382	3.290	7.9	21.5
2 21	9 52.90	−11 25.5	2.361	3.294	6.7	21.5
3 2	9 45.27	−10 27.9	2.369	3.298	7.1	21.5
3 12	9 38.65	− 9 18.5	2.405	3.301	8.7	21.6
3 22	9 33.58	− 8 3.3	2.466	3.304	10.8	21.7

503571 2016 GX_{11} 2 16.4 304°.71 4°.9/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 16.35	− 3 9.4	1.730	2.501	16.9	21.8
1 22	10 13.37	− 2 57.4	1.626	2.482	13.9	21.5
2 1	10 8.02	− 2 19.5	1.543	2.463	10.4	21.3
2 11	10 0.86	− 1 15.7	1.483	2.444	6.7	21.0
2 21	9 52.76	+ 0 10.3	1.450	2.426	4.9	20.8
3 2	9 44.83	+ 1 51.2	1.444	2.407	7.1	20.9
3 12	9 38.25	+ 3 37.2	1.465	2.390	11.1	21.1
3 22	9 33.87	+ 5 18.6	1.509	2.372	15.1	21.3

90905 1997 EJ_{21} 2 16.4 97°.52 0°.8/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.72	+ 7 37.0	2.059	2.855	13.7	20.0
1 22	10 15.97	+ 8 6.2	1.988	2.871	10.4	19.8
2 1	10 9.23	+ 8 48.4	1.941	2.887	6.7	19.6
2 11	10 1.16	+ 9 39.7	1.922	2.903	2.7	19.4
2 21	9 52.62	+10 34.8	1.932	2.918	1.8	19.4
3 2	9 44.57	+11 28.1	1.972	2.933	5.7	19.7
3 12	9 37.85	+12 14.7	2.039	2.948	9.4	19.9
3 22	9 33.08	+12 51.4	2.130	2.962	12.5	20.1

421111 2013 QT_{69} 2 16.4 113°.25 2°.7/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.43	+17 14.2	1.975	2.798	13.2	20.8
1 22	10 16.71	+18 12.7	1.906	2.806	9.8	20.6
2 1	10 9.80	+19 18.0	1.861	2.815	6.2	20.4
2 11	10 1.40	+20 23.3	1.844	2.823	3.0	20.2
2 21	9 52.42	+21 21.6	1.856	2.831	4.0	20.3
3 2	9 43.94	+22 7.3	1.896	2.839	7.6	20.5
3 12	9 36.92	+22 36.9	1.964	2.847	11.1	20.7
3 22	9 32.03	+22 49.9	2.053	2.854	14.1	20.9

267078 1999 TK_{224} 2 16.4 101°.00 1°.8/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.34	+16 32.8	2.100	2.912	12.9	21.0
1 22	10 18.66	+16 57.2	2.033	2.928	9.6	20.8
2 1	10 10.89	+17 26.8	1.991	2.943	6.0	20.6
2 11	10 1.76	+17 56.6	1.977	2.959	2.4	20.4
2 21	9 52.19	+18 21.6	1.993	2.973	3.0	20.5
3 2	9 43.20	+18 37.9	2.039	2.988	6.6	20.7
3 12	9 35.68	+18 43.3	2.111	3.002	10.0	21.0
3 22	9 30.22	+18 37.4	2.208	3.016	13.0	21.2

452628 2005 SK_{241} 2 16.4 217°.59 1°.6/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 25.00	+ 6 14.9	1.783	2.576	15.6	22.8
1 22	10 19.80	+ 6 29.1	1.688	2.567	12.2	22.5
2 1	10 12.02	+ 6 59.7	1.616	2.558	8.1	22.2
2 11	10 2.30	+ 7 43.7	1.570	2.548	3.6	22.0
2 21	9 51.66	+ 8 36.0	1.552	2.538	2.3	21.8
3 2	9 41.32	+ 9 30.0	1.564	2.526	6.8	22.1
3 12	9 32.52	+10 19.3	1.603	2.514	11.3	22.3
3 22	9 26.10	+10 59.3	1.665	2.501	15.3	22.5

94417 2001 TL_{31} 2 16.4 44°.30 4°.1/18.8 18

1 12	10 23.79	+ 3 11.7	1.365	2.167	19.0	19.4
1 22	10 19.29	+ 2 44.0	1.293	2.173	15.1	19.2
2 1	10 11.81	+ 2 36.6	1.241	2.179	10.6	18.9
2 11	10 2.22	+ 2 48.6	1.213	2.185	6.0	18.7
2 21	9 51.78	+ 3 16.2	1.210	2.192	4.3	18.6
3 2	9 41.98	+ 3 53.3	1.234	2.198	7.9	18.8
3 12	9 34.19	+ 4 32.4	1.282	2.205	12.5	19.1
3 22	9 29.28	+ 5 7.1	1.351	2.213	16.6	19.4

509 Iolanda 2 16.4 127°.39 5°.9/22.9 18 R

1 12	10 17.51	− 9 36.6	2.533	3.237	13.8	13.9
1 22	10 13.34	− 9 47.7	2.444	3.244	11.7	13.7
2 1	10 7.53	− 9 38.9	2.376	3.251	9.4	13.6
2 11	10 0.58	− 9 9.8	2.333	3.258	7.2	13.4
2 21	9 53.16	− 8 22.0	2.317	3.264	5.9	13.4
3 2	9 46.03	− 7 19.3	2.330	3.270	6.5	13.4
3 12	9 39.90	− 6 7.3	2.371	3.277	8.4	13.5
3 22	9 35.32	− 4 52.0	2.438	3.282	10.7	13.7

393248 2013 RB_{68} 2 16.4 18°.11 7°.0/12.0 18

1 12	10 21.36	+27 11.0	1.364	2.216	16.2	20.0
1 22	10 17.46	+28 4.5	1.319	2.230	12.5	19.8
2 1	10 10.54	+28 54.1	1.297	2.245	9.0	19.6
2 11	10 1.69	+29 29.9	1.298	2.262	7.0	19.6
2 21	9 52.33	+29 44.0	1.324	2.280	8.3	19.7
3 2	9 43.97	+29 33.1	1.375	2.300	11.5	19.9
3 12	9 37.86	+28 58.0	1.448	2.321	14.9	20.2
3 22	9 34.62	+28 3.0	1.540	2.343	17.9	20.4

323170 2003 GU_3 2 16.4 228°.29 3°.7/13.0 17

1 12	10 25.35	+23 9.3	2.455	3.268	11.2	20.9
1 22	10 19.47	+23 50.3	2.362	3.255	8.5	20.7
2 1	10 11.50	+24 32.3	2.295	3.242	5.7	20.5
2 11	10 2.05	+25 9.8	2.258	3.228	3.8	20.4
2 21	9 51.94	+25 37.3	2.250	3.214	4.7	20.4
3 2	9 42.15	+25 50.9	2.273	3.199	7.5	20.5
3 12	9 33.61	+25 49.0	2.323	3.183	10.5	20.7
3 22	9 27.00	+25 32.2	2.396	3.166	13.2	20.9

237381 1995 VF_9 2 16.4 165°.17 4°.7/11.2 17

1 12	10 20.87	+27 3.1	2.649	3.469	10.3	20.6
1 22	10 15.91	+28 3.2	2.579	3.472	7.9	20.4
2 1	10 9.15	+29 1.9	2.535	3.474	5.7	20.3
2 11	10 1.17	+29 53.1	2.519	3.476	4.7	20.2
2 21	9 52.72	+30 31.9	2.533	3.478	5.6	20.3
3 2	9 44.64	+30 54.7	2.576	3.480	7.8	20.4
3 12	9 37.73	+31 0.5	2.645	3.481	10.2	20.6
3 22	9 32.56	+30 50.1	2.736	3.482	12.3	20.7

186186 2001 VV_8 2 16.4 105°.39 0°.6/15.9 18

1 12	10 23.61	+12 7.5	2.056	2.861	13.4	21.0
1 22	10 18.11	+12 39.1	1.991	2.881	10.1	20.8
2 1	10 10.56	+13 20.0	1.950	2.901	6.2	20.6
2 11	10 1.67	+14 5.2	1.937	2.920	2.2	20.4
2 21	9 52.33	+14 49.4	1.954	2.939	2.2	20.4
3 2	9 43.56	+15 27.5	2.001	2.957	6.2	20.7
3 12	9 36.23	+15 56.0	2.075	2.975	9.8	21.0
3 22	9 30.95	+16 13.2	2.174	2.992	12.8	21.2

226315 2003 DD_6 2 16.4 312°.49 5°.1/13.1 18

1 12	10 25.84	+24 11.6	1.684	2.516	14.6	19.9
1 22	10 20.64	+24 47.6	1.605	2.508	11.2	19.6
2 1	10 12.59	+25 24.0	1.549	2.499	7.6	19.4
2 11	10 2.50	+25 52.7	1.520	2.491	5.2	19.2
2 21	9 51.59	+26 6.5	1.517	2.483	6.3	19.3
3 2	9 41.26	+26 0.9	1.542	2.475	9.8	19.4
3 12	9 32.83	+25 34.9	1.591	2.467	13.6	19.7
3 22	9 27.13	+24 50.9	1.661	2.460	17.0	19.9

353937 1997 SO_{14} 2 16.4 161°.53 1°.5/15.3 18

1 12	10 27.08	+14 47.2	1.935	2.743	14.0	22.3
1 22	10 21.01	+15 18.0	1.858	2.750	10.5	22.1
2 1	10 12.55	+15 56.6	1.805	2.756	6.6	21.9
2 11	10 2.43	+16 37.6	1.780	2.762	2.5	21.6
2 21	9 51.68	+17 15.0	1.785	2.767	3.0	21.7
3 2	9 41.46	+17 43.7	1.819	2.771	7.1	21.9
3 12	9 32.84	+18 0.4	1.881	2.774	11.0	22.2
3 22	9 26.53	+18 4.2	1.966	2.776	14.3	22.4

291334 2006 BG_{214} 2 16.4 318°.18 4°.1/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.81	+ 3 51.9	1.372	2.178	18.8	20.1
1 22	10 18.77	+ 3 18.3	1.286	2.169	15.0	19.9
2 1	10 11.67	+ 3 3.2	1.221	2.160	10.5	19.6
2 11	10 2.26	+ 3 6.6	1.178	2.151	6.0	19.3
2 21	9 51.74	+ 3 25.6	1.161	2.143	4.3	19.2
3 2	9 41.64	+ 3 54.9	1.170	2.135	8.2	19.4
3 12	9 33.45	+ 4 27.4	1.203	2.128	13.0	19.6
3 22	9 28.17	+ 4 56.7	1.257	2.121	17.5	19.8

492487 2014 NO_{54} 2 16.4 81°.45 4°.5/13.0 18

1 12	10 23.57	+20 3.2	1.552	2.388	15.4	20.7
1 22	10 18.90	+21 16.6	1.492	2.399	11.6	20.5
2 1	10 11.44	+22 35.8	1.455	2.409	7.5	20.3
2 11	10 2.06	+23 51.1	1.445	2.420	4.6	20.1
2 21	9 52.01	+24 53.0	1.462	2.430	6.0	20.2
3 2	9 42.67	+25 34.8	1.505	2.441	9.8	20.5
3 12	9 35.27	+25 53.8	1.573	2.451	13.6	20.7
3 22	9 30.58	+25 50.9	1.661	2.462	16.9	21.0

172580 2003 UQ_{249} 2 16.4 83°.23 2°.4/18.3 18

1 12	10 20.71	+ 3 40.1	1.622	2.420	16.7	20.4
1 22	10 16.58	+ 3 58.0	1.546	2.425	13.1	20.1
2 1	10 9.94	+ 4 36.0	1.490	2.430	8.9	19.9
2 11	10 1.54	+ 5 30.9	1.460	2.436	4.4	19.6
2 21	9 52.42	+ 6 36.9	1.457	2.441	2.8	19.5
3 2	9 43.79	+ 7 46.3	1.481	2.447	6.8	19.8
3 12	9 36.79	+ 8 51.6	1.532	2.452	11.1	20.1
3 22	9 32.19	+ 9 46.7	1.606	2.457	15.0	20.3

489610 2007 TP_{219} 2 16.4 105°.89 1°.0/15.5 18

1 12	10 20.64	+13 42.0	2.456	3.262	11.4	21.9
1 22	10 15.63	+14 16.4	2.387	3.279	8.6	21.8
2 1	10 8.92	+14 57.5	2.344	3.296	5.3	21.6
2 11	10 1.08	+15 41.2	2.330	3.312	1.9	21.4
2 21	9 52.86	+16 22.8	2.346	3.328	2.2	21.4
3 2	9 45.07	+16 58.3	2.392	3.344	5.5	21.7
3 12	9 38.44	+17 24.7	2.466	3.360	8.7	21.9
3 22	9 33.50	+17 40.5	2.565	3.375	11.3	22.1

360420 2002 GE_{147} 2 16.4 332°.65 4°.5/13.4 18

1 12	10 19.74	+18 30.5	1.272	2.124	17.2	20.4
1 22	10 16.75	+19 37.6	1.198	2.113	13.0	20.1
2 1	10 10.53	+20 55.8	1.144	2.103	8.4	19.8
2 11	10 1.88	+22 14.8	1.115	2.094	4.7	19.5
2 21	9 52.11	+23 22.9	1.111	2.085	6.4	19.6
3 2	9 42.90	+24 10.4	1.131	2.077	11.1	19.8
3 12	9 35.83	+24 32.3	1.174	2.070	15.8	20.1
3 22	9 31.88	+24 28.5	1.235	2.064	19.9	20.3

250160 2002 TY_{53} 2 16.4 88°.98 1°.3/17.5 18

1 12	10 23.79	+ 6 21.6	1.842	2.635	15.2	20.7
1 22	10 18.40	+ 6 44.9	1.781	2.661	11.6	20.5
2 1	10 10.80	+ 7 23.1	1.744	2.687	7.6	20.3
2 11	10 1.77	+ 8 12.1	1.733	2.712	3.2	20.1
2 21	9 52.31	+ 9 6.3	1.751	2.736	2.1	20.0
3 2	9 43.49	+ 9 59.4	1.798	2.761	6.1	20.4
3 12	9 36.26	+10 46.2	1.873	2.784	9.9	20.6
3 22	9 31.23	+11 23.2	1.972	2.808	13.2	20.9

110903 2001 UE_{121} 2 16.4 187°.41 1°.3/17.6 18

1 12	10 21.40	+ 6 8.8	2.386	3.167	12.5	21.1
1 22	10 16.39	+ 6 30.0	2.293	3.167	9.7	20.9
2 1	10 9.52	+ 7 3.7	2.226	3.165	6.4	20.7
2 11	10 1.35	+ 7 47.2	2.186	3.164	2.8	20.5
2 21	9 52.61	+ 8 36.4	2.176	3.161	1.8	20.4
3 2	9 44.16	+ 9 26.6	2.197	3.159	5.2	20.6
3 12	9 36.83	+10 13.1	2.247	3.155	8.7	20.8
3 22	9 31.22	+10 52.3	2.322	3.151	11.7	21.0

8173 1991 RX_{23} 2 16.4 96°.61 2°.3/14.5 18 R

1 12	10 22.64	+18 34.4	2.207	3.024	12.2	18.2
1 22	10 17.43	+18 59.2	2.131	3.028	9.1	18.0
2 1	10 10.18	+19 27.7	2.079	3.032	5.7	17.8
2 11	10 1.57	+19 54.8	2.056	3.036	2.7	17.6
2 21	9 52.46	+20 16.0	2.063	3.040	3.5	17.6
3 2	9 43.81	+20 27.3	2.098	3.044	6.8	17.8
3 12	9 36.51	+20 27.0	2.161	3.048	10.0	18.0
3 22	9 31.17	+20 14.7	2.248	3.051	12.9	18.2

55565 2002 AW_{197} 2 16.4 294°.56 0°.3/21.8 18

1 12	9 59.06	− 3 23.1	44.545	45.256	0.9	20.0
1 22	9 58.45	− 3 22.6	44.440	45.253	0.7	19.9
2 1	9 57.76	− 3 21.1	44.361	45.249	0.5	19.9
2 11	9 57.03	− 3 18.7	44.309	45.246	0.4	19.9
2 21	9 56.28	− 3 15.7	44.286	45.243	0.3	19.9
3 2	9 55.55	− 3 12.0	44.294	45.240	0.4	19.9
3 12	9 54.86	− 3 8.0	44.330	45.236	0.5	19.9
3 22	9 54.22	− 3 3.7	44.394	45.233	0.7	19.9

456610 2007 FL_{42} 2 16.4 317°.22 17°.0/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 14.94	−33 12.8	1.786	2.345	22.8	20.3
1 22	10 12.83	−34 6.2	1.670	2.313	21.9	20.1
2 1	10 8.02	−34 20.9	1.563	2.280	20.6	19.9
2 11	10 1.02	−33 46.9	1.470	2.249	19.2	19.7
2 21	9 52.77	−32 16.2	1.393	2.217	17.9	19.5
3 2	9 44.55	−29 45.8	1.335	2.187	17.1	19.3
3 12	9 37.80	−26 21.0	1.299	2.157	17.3	19.2
3 22	9 33.63	−22 15.5	1.286	2.128	18.6	19.2

295290 2008 GP_{102} 2 16.4 237°.88 2°.2/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.03	+ 3 13.6	2.159	2.937	13.7	20.8
1 22	10 15.65	+ 3 32.9	2.057	2.925	10.8	20.6
2 1	10 9.22	+ 4 8.7	1.978	2.913	7.4	20.3
2 11	10 1.30	+ 4 58.7	1.927	2.901	3.8	20.1
2 21	9 52.65	+ 5 58.9	1.904	2.888	2.5	20.0
3 2	9 44.21	+ 7 3.6	1.911	2.874	5.7	20.2
3 12	9 36.93	+ 8 6.8	1.947	2.861	9.5	20.4
3 22	9 31.50	+ 9 3.4	2.007	2.846	12.9	20.5

247070 2000 RN_{80} 2 16.4 147°.92 0°.7/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.01	+ 9 16.6	2.801	3.585	10.7	20.9
1 22	10 15.75	+ 9 18.4	2.715	3.592	8.2	20.7
2 1	10 8.95	+ 9 27.9	2.655	3.599	5.3	20.5
2 11	10 1.11	+ 9 42.8	2.625	3.605	2.1	20.3
2 21	9 52.88	+10 0.4	2.625	3.611	1.5	20.3
3 2	9 44.96	+10 17.7	2.656	3.616	4.6	20.5
3 12	9 38.03	+10 32.1	2.717	3.621	7.5	20.7
3 22	9 32.58	+10 41.5	2.803	3.626	10.1	20.9

461571 2004 NC_{14} 2 16.4 239°.87 0°.1/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.92	+10 12.2	2.161	2.962	12.9	22.2
1 22	10 16.33	+10 45.7	2.063	2.950	9.9	22.0
2 1	10 9.66	+11 31.2	1.989	2.938	6.3	21.7
2 11	10 1.46	+12 24.5	1.942	2.925	2.2	21.4
2 21	9 52.53	+13 20.3	1.926	2.911	2.0	21.4
3 2	9 43.84	+14 13.1	1.939	2.897	6.1	21.6
3 12	9 36.35	+14 57.7	1.980	2.883	10.0	21.8
3 22	9 30.77	+15 31.2	2.045	2.868	13.3	22.0

268123 2004 TV_{64} 2 16.4 13°.89 2°.5/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.29	+16 54.1	1.816	2.643	14.0	20.4
1 22	10 16.86	+17 34.0	1.741	2.644	10.5	20.2
2 1	10 10.05	+18 21.2	1.690	2.645	6.6	19.9
2 11	10 1.58	+19 9.1	1.665	2.646	2.9	19.7
2 21	9 52.46	+19 51.3	1.669	2.647	3.8	19.8
3 2	9 43.84	+20 22.2	1.700	2.649	7.7	20.0
3 12	9 36.78	+20 38.3	1.758	2.651	11.6	20.3
3 22	9 31.99	+20 39.0	1.837	2.653	14.9	20.5

349036 2006 VD_{54} 2 16.4 25°.09 1°.3/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.07	+13 51.8	1.417	2.251	16.8	21.3
1 22	10 17.90	+14 11.5	1.352	2.257	12.7	21.1
2 1	10 10.88	+14 42.3	1.308	2.264	7.9	20.8
2 11	10 1.91	+15 17.8	1.289	2.272	2.8	20.5
2 21	9 52.22	+15 51.2	1.296	2.280	3.1	20.6
3 2	9 43.25	+16 16.0	1.330	2.289	8.1	20.9
3 12	9 36.25	+16 28.1	1.388	2.299	12.7	21.2
3 22	9 32.00	+16 26.1	1.467	2.309	16.6	21.4

109950 2001 SB_{46} 2 16.5 111°.93 4°.7/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.34	+26 11.8	2.357	3.180	11.3	19.3
1 22	10 17.17	+27 3.8	2.290	3.185	8.7	19.1
2 1	10 10.01	+27 54.6	2.248	3.191	6.1	19.0
2 11	10 1.52	+28 37.6	2.235	3.196	4.7	18.9
2 21	9 52.55	+29 7.5	2.250	3.202	5.7	18.9
3 2	9 44.07	+29 21.0	2.294	3.207	8.2	19.1
3 12	9 36.93	+29 17.1	2.364	3.212	10.8	19.3
3 22	9 31.72	+28 56.9	2.456	3.218	13.1	19.5

132221 2002 ES_{67} 2 16.5 212°.86 2°.9/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.43	+ 2 0.3	1.856	2.636	15.6	20.4
1 22	10 16.98	+ 2 17.0	1.763	2.631	12.4	20.2
2 1	10 10.18	+ 2 53.4	1.692	2.626	8.6	19.9
2 11	10 1.68	+ 3 47.2	1.648	2.620	4.6	19.7
2 21	9 52.38	+ 4 53.9	1.631	2.614	3.1	19.6
3 2	9 43.39	+ 6 6.6	1.643	2.607	6.4	19.8
3 12	9 35.79	+ 7 17.9	1.683	2.600	10.5	20.0
3 22	9 30.37	+ 8 21.7	1.747	2.592	14.2	20.2

458535 2011 DB_{20} 2 16.5 273°.01 4°.0/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.11	+22 40.3	2.036	2.858	12.8	20.7
1 22	10 19.74	+23 15.7	1.943	2.841	9.8	20.4
2 1	10 11.91	+23 52.8	1.875	2.824	6.6	20.2
2 11	10 2.30	+24 25.1	1.834	2.807	4.2	20.0
2 21	9 51.87	+24 46.5	1.822	2.789	5.2	20.1
3 2	9 41.81	+24 52.5	1.839	2.772	8.5	20.2
3 12	9 33.24	+24 41.2	1.882	2.754	12.0	20.4
3 22	9 26.95	+24 13.5	1.947	2.736	15.1	20.6

332491 2008 FU_{55} 2 16.5 348°.79 4°.5/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 17.15	− 0 55.8	1.525	2.314	18.0	20.7
1 22	10 14.13	− 0 52.2	1.441	2.310	14.6	20.4
2 1	10 8.56	− 0 23.3	1.377	2.306	10.5	20.2
2 11	10 1.13	+ 0 29.8	1.337	2.303	6.5	19.9
2 21	9 52.85	+ 1 42.5	1.322	2.301	4.5	19.8
3 2	9 44.96	+ 3 6.8	1.334	2.299	7.3	20.0
3 12	9 38.68	+ 4 32.9	1.371	2.298	11.5	20.2
3 22	9 34.83	+ 5 52.4	1.430	2.297	15.6	20.4

114379 2002 XM_{108} 2 16.5 218°.39 3°.5/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.71	+18 58.1	1.744	2.565	14.7	20.6
1 22	10 22.03	+19 48.3	1.658	2.557	11.2	20.3
2 1	10 13.51	+20 45.2	1.596	2.548	7.2	20.1
2 11	10 2.92	+21 41.1	1.560	2.538	3.8	19.8
2 21	9 51.36	+22 27.9	1.554	2.528	5.0	19.9
3 2	9 40.25	+22 59.1	1.576	2.516	9.0	20.1
3 12	9 30.89	+23 11.3	1.623	2.504	13.1	20.3
3 22	9 24.19	+23 4.8	1.692	2.491	16.7	20.5

212925 2008 AL_{31} 2 16.5 212°.22 1°.9/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.92	+ 5 31.3	2.553	3.331	11.8	21.2
1 22	10 15.15	+ 5 24.5	2.460	3.329	9.3	21.0
2 1	10 8.70	+ 5 28.2	2.392	3.328	6.3	20.8
2 11	10 1.07	+ 5 40.9	2.351	3.326	3.2	20.6
2 21	9 52.95	+ 6 0.0	2.340	3.324	2.1	20.5
3 2	9 45.10	+ 6 22.3	2.360	3.322	4.9	20.7
3 12	9 38.27	+ 6 44.4	2.408	3.319	8.0	20.9
3 22	9 33.02	+ 7 3.4	2.482	3.317	10.9	21.1

192061 2006 BE_{60} 2 16.5 80°.99 0°.5/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.02	+ 9 59.8	1.979	2.783	13.9	20.4
1 22	10 17.17	+10 6.3	1.898	2.785	10.6	20.2
2 1	10 10.15	+10 23.6	1.840	2.788	6.8	20.0
2 11	10 1.62	+10 48.1	1.809	2.791	2.6	19.7
2 21	9 52.50	+11 15.6	1.807	2.793	1.9	19.6
3 2	9 43.81	+11 41.6	1.834	2.796	6.1	19.9
3 12	9 36.52	+12 1.9	1.889	2.798	10.0	20.2
3 22	9 31.31	+12 14.1	1.967	2.801	13.3	20.4

296169 2009 BS_{133} 2 16.5 1°.78 1°.0/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.93	+ 8 31.2	2.069	2.869	13.5	20.5
1 22	10 15.52	+ 8 32.8	1.984	2.869	10.4	20.3
2 1	10 9.09	+ 8 45.7	1.923	2.869	6.7	20.1
2 11	10 1.24	+ 9 7.0	1.889	2.869	2.8	19.9
2 21	9 52.82	+ 9 32.9	1.884	2.869	1.9	19.8
3 2	9 44.76	+ 9 59.2	1.907	2.870	5.8	20.1
3 12	9 38.00	+10 21.8	1.958	2.871	9.5	20.3
3 22	9 33.15	+10 37.7	2.033	2.872	12.8	20.5

319717 2006 UW_{56} 2 16.5 333°.74 2°.5/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.79	+ 5 50.1	1.521	2.328	17.2	20.5
1 22	10 17.67	+ 5 38.3	1.437	2.323	13.5	20.2
2 1	10 10.82	+ 5 43.4	1.375	2.318	9.1	19.9
2 11	10 1.96	+ 6 3.4	1.337	2.314	4.5	19.6
2 21	9 52.20	+ 6 34.0	1.325	2.310	3.0	19.5
3 2	9 42.88	+ 7 9.4	1.341	2.306	7.3	19.8
3 12	9 35.31	+ 7 43.2	1.381	2.303	11.9	20.0
3 22	9 30.34	+ 8 10.4	1.444	2.300	16.1	20.3

203411 2001 XN_{188} 2 16.5 48°.63 4°.4/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.66	+ 1 37.9	1.408	2.204	18.9	20.2
1 22	10 18.39	+ 1 17.1	1.336	2.211	15.1	20.0
2 1	10 11.26	+ 1 18.3	1.283	2.217	10.7	19.7
2 11	10 2.11	+ 1 40.6	1.254	2.224	6.3	19.5
2 21	9 52.13	+ 2 20.0	1.250	2.231	4.5	19.4
3 2	9 42.74	+ 3 9.8	1.273	2.238	7.8	19.6
3 12	9 35.27	+ 4 1.8	1.321	2.245	12.2	19.9
3 22	9 30.55	+ 4 49.0	1.390	2.253	16.2	20.2

35602 1998 HC_{124} 2 16.5 317°.50 0°.1/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 16.70	+ 8 11.7	1.677	2.494	15.4	18.7
1 22	10 13.71	+ 9 3.2	1.584	2.480	11.8	18.4
2 1	10 8.30	+10 13.7	1.514	2.466	7.5	18.1
2 11	10 1.07	+11 38.0	1.470	2.452	2.8	17.8
2 21	9 52.95	+13 8.3	1.453	2.439	2.3	17.7
3 2	9 45.11	+14 35.6	1.464	2.426	7.3	18.0
3 12	9 38.71	+15 51.7	1.501	2.414	11.8	18.2
3 22	9 34.60	+16 51.3	1.560	2.402	15.8	18.4

420670 2012 JP_{64} 2 16.5 342°.63 6°.4/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.47	+24 45.1	1.627	2.470	14.5	20.5
1 22	10 16.73	+26 17.3	1.559	2.466	11.2	20.3
2 1	10 10.23	+27 52.3	1.515	2.463	8.0	20.1
2 11	10 1.75	+29 19.3	1.496	2.459	6.4	20.0
2 21	9 52.42	+30 28.2	1.504	2.456	8.0	20.1
3 2	9 43.62	+31 11.9	1.539	2.454	11.2	20.3
3 12	9 36.64	+31 28.1	1.596	2.452	14.7	20.5
3 22	9 32.29	+31 18.6	1.672	2.450	17.7	20.7

35043 1981 EH_{38} 2 16.5 248°.13 2°.4/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.23	+ 3 59.2	1.773	2.563	15.8	19.7
1 22	10 17.79	+ 4 10.7	1.674	2.549	12.5	19.5
2 1	10 10.84	+ 4 40.7	1.597	2.536	8.5	19.2
2 11	10 1.99	+ 5 27.0	1.546	2.521	4.3	18.9
2 21	9 52.19	+ 6 25.1	1.522	2.507	2.8	18.8
3 2	9 42.62	+ 7 28.3	1.527	2.491	6.8	19.0
3 12	9 34.49	+ 8 29.4	1.559	2.476	11.2	19.2
3 22	9 28.67	+ 9 22.4	1.614	2.460	15.2	19.4

87461 2000 QD_{127} 2 16.5 132°.41 2°.7/14.4 18

1 12	10 26.75	+19 47.2	2.164	2.976	12.5	20.5
1 22	10 20.51	+20 10.8	2.093	2.987	9.4	20.3
2 1	10 12.12	+20 36.7	2.046	2.997	6.0	20.1
2 11	10 2.31	+20 59.7	2.029	3.007	3.0	19.9
2 21	9 52.03	+21 15.0	2.041	3.016	3.8	20.0
3 2	9 42.31	+21 19.3	2.083	3.025	7.0	20.2
3 12	9 34.10	+21 11.0	2.153	3.033	10.3	20.4
3 22	9 28.01	+20 50.7	2.246	3.041	13.2	20.6

450554 2006 DT_{138} 2 16.5 52°.53 3°.2/14.5 18

1 12	10 24.11	+16 30.5	1.274	2.116	17.8	21.2
1 22	10 19.69	+17 21.6	1.219	2.129	13.4	20.9
2 1	10 12.11	+18 22.8	1.185	2.143	8.3	20.7
2 11	10 2.40	+19 24.6	1.176	2.157	3.8	20.5
2 21	9 51.98	+20 17.1	1.193	2.172	4.9	20.6
3 2	9 42.47	+20 52.9	1.235	2.187	9.6	20.9
3 12	9 35.26	+21 8.3	1.301	2.202	14.2	21.2
3 22	9 31.09	+21 3.8	1.387	2.218	18.0	21.5

234890 2002 TP_{113} 2 16.5 154°.79 1°.6/17.8 17

1 12	10 21.68	+ 6 44.7	2.410	3.192	12.3	20.1
1 22	10 16.54	+ 6 40.1	2.323	3.196	9.6	19.9
2 1	10 9.60	+ 6 45.8	2.260	3.199	6.4	19.7
2 11	10 1.42	+ 7 0.1	2.225	3.202	3.0	19.5
2 21	9 52.75	+ 7 19.9	2.221	3.205	2.0	19.4
3 2	9 44.41	+ 7 41.8	2.246	3.208	5.1	19.6
3 12	9 37.21	+ 8 2.2	2.300	3.210	8.4	19.8
3 22	9 31.72	+ 8 18.4	2.380	3.213	11.4	20.0

468550 2006 SE_{320} 2 16.5 173°.48 5°.0/22.8 17

1 12	10 16.39	− 9 4.4	2.803	3.505	12.6	21.6
1 22	10 12.42	− 8 51.4	2.705	3.507	10.6	21.5
2 1	10 6.95	− 8 19.2	2.629	3.508	8.4	21.3
2 11	10 0.47	− 7 28.3	2.579	3.510	6.2	21.2
2 21	9 53.54	− 6 20.7	2.557	3.510	5.0	21.1
3 2	9 46.83	− 5 0.7	2.565	3.511	5.6	21.1
3 12	9 41.00	− 3 33.8	2.602	3.511	7.6	21.2
3 22	9 36.55	− 2 5.8	2.667	3.511	9.9	21.4

56648 2000 KH_{34} 2 16.5 143°.52 4°.3/12.5 18

1 12	10 22.34	+21 9.7	1.943	2.770	13.1	19.4
1 22	10 17.59	+22 27.7	1.874	2.776	9.9	19.2
2 1	10 10.51	+23 50.1	1.830	2.781	6.6	19.0
2 11	10 1.80	+25 8.6	1.814	2.786	4.4	18.9
2 21	9 52.44	+26 15.2	1.827	2.790	5.7	19.0
3 2	9 43.56	+27 3.7	1.868	2.794	8.8	19.2
3 12	9 36.22	+27 31.6	1.934	2.798	12.1	19.4
3 22	9 31.11	+27 39.1	2.022	2.802	15.0	19.6

308129 2004 XS_{139} 2 16.5 228°.12 2°.7/14.3 17

1 12	10 25.11	+17 10.4	2.007	2.822	13.3	21.0
1 22	10 19.76	+18 1.0	1.913	2.809	10.1	20.8
2 1	10 11.97	+18 59.4	1.844	2.796	6.4	20.5
2 11	10 2.37	+19 59.1	1.803	2.782	3.0	20.3
2 21	9 51.92	+20 53.1	1.791	2.767	4.0	20.3
3 2	9 41.75	+21 35.3	1.809	2.752	7.8	20.5
3 12	9 33.01	+22 1.8	1.853	2.736	11.7	20.7
3 22	9 26.51	+22 11.5	1.921	2.718	15.0	20.9

326694 2003 AN_{20} 2 16.5 40°.05 2°.9/18.4 18

1 12	10 21.26	+ 4 23.2	1.375	2.185	18.5	20.1
1 22	10 17.19	+ 4 19.7	1.317	2.203	14.4	19.9
2 1	10 10.38	+ 4 36.6	1.280	2.222	9.7	19.7
2 11	10 1.75	+ 5 10.9	1.266	2.242	4.9	19.5
2 21	9 52.53	+ 5 56.6	1.278	2.263	3.2	19.4
3 2	9 44.08	+ 6 46.4	1.317	2.284	7.2	19.7
3 12	9 37.58	+ 7 32.9	1.380	2.305	11.7	20.0
3 22	9 33.74	+ 8 10.8	1.466	2.327	15.6	20.3

372978 2011 CZ_{34} 2 16.5 63°.17 1°.3/17.3 18

1 12	10 23.53	+ 8 32.4	1.789	2.591	15.2	20.9
1 22	10 18.44	+ 8 25.9	1.716	2.601	11.7	20.7
2 1	10 10.99	+ 8 31.6	1.666	2.612	7.6	20.4
2 11	10 1.96	+ 8 46.6	1.642	2.622	3.2	20.2
2 21	9 52.34	+ 9 6.8	1.647	2.632	2.1	20.1
3 2	9 43.29	+ 9 27.6	1.680	2.643	6.4	20.4
3 12	9 35.84	+ 9 44.7	1.740	2.654	10.4	20.7
3 22	9 30.66	+ 9 55.2	1.823	2.665	13.9	20.9

366853 2005 RY_{44} 2 16.5 181°.18 4°.4/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.54	− 2 44.7	2.417	3.154	13.5	22.2
1 22	10 17.25	− 3 2.7	2.322	3.156	11.1	22.0
2 1	10 10.10	− 3 4.6	2.250	3.156	8.3	21.8
2 11	10 1.63	− 2 50.4	2.205	3.156	5.7	21.7
2 21	9 52.58	− 2 22.0	2.188	3.156	4.5	21.6
3 2	9 43.81	− 1 42.7	2.202	3.154	5.9	21.7
3 12	9 36.13	− 0 57.5	2.244	3.152	8.7	21.8
3 22	9 30.18	− 0 11.3	2.312	3.150	11.5	22.0

192534 1998 SN_{80} 2 16.5 132°.26 1°.2/17.3 18 R

1 12	10 27.00	+ 7 47.6	1.693	2.490	16.1	20.7
1 22	10 21.18	+ 7 56.7	1.620	2.503	12.4	20.5
2 1	10 12.79	+ 8 20.4	1.571	2.515	8.1	20.2
2 11	10 2.62	+ 8 54.7	1.547	2.527	3.4	20.0
2 21	9 51.80	+ 9 34.5	1.552	2.538	2.2	19.9
3 2	9 41.60	+10 13.6	1.586	2.548	6.8	20.2
3 12	9 33.17	+10 46.8	1.647	2.558	11.1	20.5
3 22	9 27.25	+11 10.8	1.731	2.567	14.8	20.8

126989 2002 FA_{32} 2 16.5 158°.32 3°.5/13.4 18

1 12	10 21.88	+20 1.7	2.008	2.833	12.9	20.1
1 22	10 17.17	+20 58.0	1.933	2.835	9.7	19.9
2 1	10 10.21	+21 58.8	1.883	2.836	6.3	19.7
2 11	10 1.69	+22 57.1	1.861	2.837	3.7	19.6
2 21	9 52.56	+23 46.4	1.868	2.838	4.8	19.6
3 2	9 43.87	+24 21.1	1.904	2.839	8.1	19.8
3 12	9 36.64	+24 38.6	1.965	2.840	11.4	20.0
3 22	9 31.56	+24 38.9	2.048	2.841	14.4	20.2

505918 2015 EK_{38} 2 16.5 143°.88 1°.0/15.4 17

1 12	10 18.67	+12 18.3	2.450	3.255	11.5	21.4
1 22	10 14.31	+13 13.3	2.370	3.261	8.6	21.2
2 1	10 8.22	+14 17.5	2.316	3.268	5.3	21.0
2 11	10 0.94	+15 26.1	2.291	3.273	1.9	20.8
2 21	9 53.19	+16 33.6	2.296	3.279	2.3	20.8
3 2	9 45.75	+17 34.7	2.332	3.284	5.7	21.1
3 12	9 39.40	+18 25.3	2.396	3.289	8.9	21.3
3 22	9 34.68	+19 3.2	2.485	3.294	11.7	21.5

133038 2003 AD_{10} 2 16.5 108°.55 1°.0/17.5 18

1 12	10 23.36	+ 6 0.4	2.183	2.964	13.5	20.0
1 22	10 17.82	+ 6 38.9	2.117	2.991	10.3	19.9
2 1	10 10.37	+ 7 31.0	2.077	3.018	6.7	19.7
2 11	10 1.69	+ 8 32.5	2.064	3.043	2.8	19.5
2 21	9 52.61	+ 9 38.1	2.082	3.068	1.8	19.4
3 2	9 44.06	+10 42.0	2.131	3.091	5.4	19.7
3 12	9 36.84	+11 39.0	2.208	3.114	8.9	20.0
3 22	9 31.51	+12 26.0	2.311	3.137	11.9	20.2

459756 2013 QD_{48} 2 16.5 239°.52 3°.7/13.7 17

1 12	10 26.41	+22 11.6	2.074	2.892	12.8	20.9
1 22	10 20.59	+22 41.1	1.988	2.884	9.7	20.7
2 1	10 12.39	+23 12.0	1.926	2.875	6.4	20.5
2 11	10 2.50	+23 38.2	1.892	2.866	3.9	20.3
2 21	9 51.90	+23 54.0	1.887	2.857	4.8	20.4
3 2	9 41.75	+23 55.4	1.912	2.847	8.1	20.5
3 12	9 33.11	+23 41.2	1.963	2.837	11.5	20.7
3 22	9 26.74	+23 12.1	2.037	2.827	14.5	20.9

210102 2006 QV_{117} 2 16.5 160°.21 0°.5/16.0 17

1 12	10 21.15	+13 7.0	2.444	3.247	11.6	20.1
1 22	10 16.16	+13 20.0	2.359	3.248	8.7	19.9
2 1	10 9.37	+13 39.8	2.300	3.250	5.5	19.7
2 11	10 1.36	+14 2.8	2.269	3.251	1.9	19.5
2 21	9 52.87	+14 25.5	2.268	3.253	1.9	19.5
3 2	9 44.74	+14 44.2	2.297	3.254	5.4	19.7
3 12	9 37.73	+14 56.1	2.355	3.255	8.7	19.9
3 22	9 32.44	+14 59.8	2.437	3.256	11.6	20.1

462291 2008 FU_{63} 2 16.5 289°.28 9°.7/24.7 17

1 12	10 17.79	−14 42.6	1.876	2.571	18.2	21.9
1 22	10 14.48	−15 16.8	1.766	2.549	16.1	21.6
2 1	10 8.81	−15 22.7	1.674	2.528	13.7	21.4
2 11	10 1.31	−14 55.9	1.603	2.507	11.3	21.2
2 21	9 52.82	−13 55.5	1.556	2.485	9.8	21.1
3 2	9 44.42	−12 24.6	1.534	2.464	10.1	21.0
3 12	9 37.27	−10 31.2	1.537	2.443	12.1	21.1
3 22	9 32.28	− 8 26.3	1.564	2.421	15.0	21.2

360533 2003 ST_{94} 2 16.5 175°.35 2°.5/18.4 18

1 12	10 24.24	+ 4 5.1	1.947	2.727	14.9	21.5
1 22	10 18.93	+ 4 3.8	1.861	2.730	11.8	21.2
2 1	10 11.34	+ 4 17.9	1.796	2.731	8.0	21.0
2 11	10 2.13	+ 4 45.6	1.759	2.733	4.2	20.8
2 21	9 52.23	+ 5 22.9	1.750	2.733	2.8	20.7
3 2	9 42.72	+ 6 4.9	1.771	2.734	6.2	20.9
3 12	9 34.63	+ 6 46.0	1.820	2.733	10.1	21.1
3 22	9 28.70	+ 7 21.9	1.892	2.732	13.5	21.3

148626 2001 RV_{134} 2 16.5 70°.93 6°.8/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 29.64	+28 52.5	1.677	2.505	14.9	19.8
1 22	10 23.26	+29 44.0	1.627	2.523	11.6	19.7
2 1	10 14.05	+30 30.2	1.601	2.541	8.4	19.5
2 11	10 3.04	+31 1.9	1.602	2.559	6.8	19.5
2 21	9 51.58	+31 12.4	1.629	2.577	7.9	19.6
3 2	9 41.11	+30 59.0	1.683	2.595	10.7	19.8
3 12	9 32.82	+30 23.1	1.761	2.613	13.7	20.0
3 22	9 27.36	+29 28.9	1.860	2.631	16.4	20.2

264506 2001 QQ_{163} 2 16.5 138°.16 1°.7/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.56	+ 4 24.6	2.510	3.279	12.3	21.7
1 22	10 17.07	+ 4 41.6	2.431	3.295	9.5	21.5
2 1	10 9.87	+ 5 11.1	2.376	3.310	6.4	21.4
2 11	10 1.53	+ 5 50.6	2.350	3.325	3.2	21.2
2 21	9 52.77	+ 6 36.4	2.355	3.339	2.0	21.1
3 2	9 44.38	+ 7 24.1	2.391	3.352	4.9	21.3
3 12	9 37.12	+ 8 9.4	2.456	3.364	8.0	21.6
3 22	9 31.51	+ 8 48.9	2.547	3.376	10.8	21.8

465441 2008 RK_{116} 2 16.5 132°.68 4°.7/21.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.36	− 6 9.2	2.438	3.164	13.7	22.1
1 22	10 14.06	− 6 0.2	2.351	3.174	11.3	22.0
2 1	10 8.06	− 5 31.5	2.287	3.183	8.7	21.8
2 11	10 0.90	− 4 43.9	2.248	3.192	6.1	21.7
2 21	9 53.27	− 3 40.2	2.237	3.201	4.7	21.6
3 2	9 45.96	− 2 25.2	2.257	3.210	5.8	21.7
3 12	9 39.70	− 1 5.1	2.305	3.218	8.3	21.8
3 22	9 35.04	+ 0 14.0	2.379	3.225	10.9	22.0

81954 2000 PT_{17} 2 16.5 159°.18 0°.9/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.16	+13 38.2	2.764	3.566	10.4	20.1
1 22	10 14.48	+14 12.2	2.681	3.571	7.8	20.0
2 1	10 8.24	+14 52.6	2.624	3.575	4.8	19.8
2 11	10 0.95	+15 35.7	2.597	3.580	1.7	19.6
2 21	9 53.24	+16 17.5	2.600	3.583	2.0	19.6
3 2	9 45.83	+16 54.2	2.634	3.587	5.1	19.8
3 12	9 39.39	+17 22.8	2.697	3.590	8.0	20.0
3 22	9 34.43	+17 41.7	2.785	3.593	10.6	20.2

442809 2013 AY_{38} 2 16.5 74°.67 0°.5/16.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.12	+ 8 44.3	1.357	2.172	18.5	21.9
1 22	10 21.55	+ 9 8.7	1.306	2.200	14.0	21.7
2 1	10 13.07	+ 9 49.7	1.277	2.227	8.9	21.5
2 11	10 2.72	+10 41.3	1.272	2.254	3.3	21.2
2 21	9 51.86	+11 35.7	1.295	2.281	2.4	21.2
3 2	9 41.99	+12 25.2	1.345	2.308	7.6	21.6
3 12	9 34.31	+13 3.7	1.420	2.334	12.3	21.9
3 22	9 29.52	+13 28.6	1.517	2.360	16.1	22.2

219421 2000 SE_{327} 2 16.5 152°.93 5°.6/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.33	+28 39.7	2.402	3.219	11.3	20.9
1 22	10 19.48	+29 49.2	2.339	3.228	8.8	20.8
2 1	10 11.52	+30 55.8	2.301	3.236	6.6	20.7
2 11	10 2.16	+31 52.4	2.293	3.244	5.6	20.6
2 21	9 52.28	+32 32.9	2.314	3.251	6.6	20.7
3 2	9 42.89	+32 53.9	2.363	3.257	8.8	20.8
3 12	9 34.92	+32 54.8	2.437	3.263	11.3	21.0
3 22	9 28.99	+32 37.4	2.534	3.268	13.4	21.2

34749 2001 QU_{93} 2 16.5 82°.09 2°.0/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.79	+17 14.7	2.318	3.134	11.7	18.8
1 22	10 15.92	+17 50.3	2.251	3.148	8.7	18.6
2 1	10 9.22	+18 30.7	2.208	3.161	5.4	18.5
2 11	10 1.31	+19 10.7	2.195	3.175	2.4	18.3
2 21	9 52.98	+19 45.7	2.211	3.189	3.1	18.4
3 2	9 45.12	+20 11.5	2.256	3.202	6.3	18.6
3 12	9 38.51	+20 25.9	2.329	3.216	9.4	18.8
3 22	9 33.69	+20 28.2	2.426	3.229	12.1	19.0

377340 2004 PM_{102} 2 16.5 121°.08 2°.7/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.95	− 0 31.3	2.482	3.235	12.8	21.8
1 22	10 15.14	+ 0 3.7	2.405	3.254	10.2	21.6
2 1	10 8.67	+ 0 55.4	2.351	3.273	7.2	21.5
2 11	10 1.11	+ 2 1.3	2.325	3.291	4.1	21.3
2 21	9 53.14	+ 3 16.9	2.329	3.309	2.8	21.2
3 2	9 45.55	+ 4 36.8	2.365	3.326	4.9	21.4
3 12	9 39.03	+ 5 55.0	2.430	3.342	7.9	21.6
3 22	9 34.12	+ 7 6.9	2.521	3.358	10.7	21.8

291112 2005 YB_{177} 2 16.5 180°.18 1°.7/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.75	+ 6 15.1	1.881	2.668	15.1	21.6
1 22	10 20.17	+ 6 22.0	1.794	2.670	11.8	21.4
2 1	10 12.18	+ 6 43.5	1.731	2.671	7.8	21.2
2 11	10 2.46	+ 7 16.9	1.694	2.671	3.6	20.9
2 21	9 52.01	+ 7 57.6	1.686	2.671	2.3	20.8
3 2	9 41.96	+ 8 40.0	1.708	2.670	6.4	21.1
3 12	9 33.43	+ 9 18.9	1.757	2.668	10.5	21.3
3 22	9 27.17	+ 9 50.1	1.830	2.665	14.1	21.5

204353 2004 SB_{47} 2 16.5 222°.47 4°.7/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.85	− 2 7.8	2.003	2.754	15.5	21.4
1 22	10 18.77	− 2 19.2	1.900	2.743	12.7	21.1
2 1	10 11.36	− 2 11.1	1.818	2.732	9.5	20.9
2 11	10 2.21	− 1 43.4	1.762	2.719	6.2	20.7
2 21	9 52.18	− 0 58.4	1.734	2.706	4.8	20.6
3 2	9 42.36	− 0 0.7	1.735	2.692	6.8	20.7
3 12	9 33.81	+ 1 2.9	1.764	2.677	10.3	20.8
3 22	9 27.36	+ 2 5.9	1.817	2.661	13.8	21.0

124483 2001 RS_{23} 2 16.5 84°.17 0°.1/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.89	+ 8 24.4	1.431	2.247	17.6	20.3
1 22	10 19.16	+ 9 10.1	1.371	2.266	13.4	20.0
2 1	10 11.65	+10 13.9	1.333	2.285	8.4	19.8
2 11	10 2.27	+11 28.9	1.321	2.303	3.1	19.5
2 21	9 52.24	+12 46.3	1.336	2.322	2.4	19.5
3 2	9 42.99	+13 57.1	1.378	2.340	7.6	19.9
3 12	9 35.71	+14 54.4	1.446	2.358	12.3	20.2
3 22	9 31.15	+15 34.7	1.536	2.376	16.1	20.5

51824 Mikeanderson 2 16.5 170°.98 0°.6/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.98	+13 23.0	2.533	3.333	11.3	19.7
1 22	10 16.73	+13 37.2	2.447	3.335	8.5	19.5
2 1	10 9.72	+13 57.8	2.387	3.337	5.3	19.3
2 11	10 1.52	+14 21.2	2.356	3.339	1.9	19.1
2 21	9 52.85	+14 44.0	2.356	3.340	1.9	19.1
3 2	9 44.51	+15 2.6	2.385	3.341	5.3	19.3
3 12	9 37.29	+15 14.3	2.444	3.342	8.5	19.5
3 22	9 31.74	+15 17.9	2.527	3.342	11.3	19.7

153172 2000 TY_{59} 2 16.5 30°.97 4°.6/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.55	+19 1.7	1.614	2.455	14.7	18.9
1 22	10 15.14	+20 45.1	1.551	2.461	11.0	18.7
2 1	10 9.18	+22 36.9	1.513	2.468	7.2	18.5
2 11	10 1.42	+24 26.5	1.502	2.476	4.7	18.4
2 21	9 52.93	+26 3.1	1.518	2.483	6.3	18.5
3 2	9 44.99	+27 18.2	1.561	2.492	9.9	18.7
3 12	9 38.74	+28 7.6	1.628	2.500	13.6	18.9
3 22	9 34.95	+28 31.3	1.716	2.509	16.7	19.2

456644 2007 QL_{17} 2 16.5 115°.20 0°.7/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.89	+ 8 16.6	1.764	2.564	15.5	22.0
1 22	10 19.49	+ 8 39.2	1.695	2.580	11.8	21.8
2 1	10 11.69	+ 9 16.1	1.648	2.595	7.6	21.6
2 11	10 2.27	+10 2.7	1.629	2.610	3.0	21.3
2 21	9 52.27	+10 53.1	1.638	2.624	2.0	21.3
3 2	9 42.87	+11 41.1	1.677	2.638	6.5	21.6
3 12	9 35.12	+12 21.4	1.742	2.652	10.7	21.9
3 22	9 29.72	+12 50.8	1.831	2.665	14.2	22.1

196942 2003 UM_{24} 2 16.5 203°.30 19°.2/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.70	−25 21.6	1.268	1.924	27.1	20.3
1 22	10 20.16	−27 35.0	1.196	1.923	25.3	20.1
2 1	10 13.03	−29 9.2	1.136	1.922	23.2	19.9
2 11	10 3.03	−29 52.3	1.090	1.921	21.2	19.7
2 21	9 51.48	−29 36.3	1.060	1.919	19.7	19.6
3 2	9 40.25	−28 20.3	1.047	1.918	19.2	19.6
3 12	9 31.24	−26 13.8	1.052	1.916	19.9	19.6
3 22	9 25.73	−23 33.4	1.076	1.914	21.6	19.7

330942 2009 SL_{244} 2 16.5 150°.81 0°.5/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.74	+11 8.5	2.040	2.848	13.4	21.7
1 22	10 16.21	+11 48.0	1.960	2.852	10.1	21.5
2 1	10 9.60	+12 38.8	1.904	2.855	6.3	21.3
2 11	10 1.52	+13 36.1	1.875	2.858	2.2	21.0
2 21	9 52.85	+14 33.9	1.876	2.861	2.2	21.0
3 2	9 44.58	+15 26.5	1.906	2.864	6.3	21.3
3 12	9 37.63	+16 9.1	1.964	2.866	10.1	21.5
3 22	9 32.66	+16 39.1	2.045	2.868	13.3	21.7

67798 2000 UD_{109} 2 16.5 300°.81 0°.1/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.92	+ 8 19.4	1.511	2.330	16.7	19.5
1 22	10 16.36	+ 9 6.0	1.428	2.324	12.8	19.3
2 1	10 10.08	+10 12.2	1.367	2.319	8.2	19.0
2 11	10 1.80	+11 32.1	1.332	2.314	3.0	18.7
2 21	9 52.59	+12 57.4	1.324	2.310	2.4	18.6
3 2	9 43.80	+14 18.4	1.342	2.305	7.7	18.9
3 12	9 36.71	+15 27.0	1.387	2.300	12.6	19.2
3 22	9 32.21	+16 18.3	1.452	2.296	16.7	19.4

166970 2003 OV_{3} 2 16.5 143°.66 0°.5/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.15	+ 8 31.0	1.955	2.751	14.3	21.2
1 22	10 18.80	+ 8 59.9	1.879	2.762	10.9	21.0
2 1	10 11.21	+ 9 42.1	1.826	2.772	7.0	20.7
2 11	10 2.10	+10 33.2	1.800	2.782	2.7	20.5
2 21	9 52.40	+11 27.6	1.805	2.791	1.9	20.4
3 2	9 43.18	+12 19.3	1.839	2.799	6.2	20.7
3 12	9 35.42	+13 3.2	1.900	2.806	10.1	21.0
3 22	9 29.81	+13 36.4	1.986	2.813	13.5	21.2

1176 Lucidor 2 16.5 63°.75 3°.5/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.26	+ 2 26.8	1.741	2.525	16.3	15.5
1 22	10 17.53	+ 2 13.7	1.671	2.540	12.9	15.3
2 1	10 10.47	+ 2 18.3	1.623	2.555	9.0	15.1
2 11	10 1.84	+ 2 39.1	1.600	2.570	5.1	14.9
2 21	9 52.63	+ 3 12.3	1.604	2.585	3.6	14.8
3 2	9 43.99	+ 3 52.6	1.637	2.600	6.5	15.0
3 12	9 36.93	+ 4 34.0	1.696	2.615	10.3	15.3
3 22	9 32.13	+ 5 11.2	1.778	2.630	13.7	15.5

371775 2007 HN_{36} 2 16.5 162°.54 2°.8/18.9 18

1 12	10 19.99	+ 2 14.0	2.117	2.892	14.1	20.6
1 22	10 15.58	+ 2 18.8	2.029	2.893	11.1	20.4
2 1	10 9.17	+ 2 39.8	1.964	2.895	7.8	20.2
2 11	10 1.38	+ 3 15.0	1.926	2.896	4.3	20.0
2 21	9 52.99	+ 4 0.9	1.916	2.898	3.0	19.9
3 2	9 44.93	+ 4 52.6	1.936	2.899	5.7	20.1
3 12	9 38.09	+ 5 44.4	1.983	2.900	9.2	20.3
3 22	9 33.12	+ 6 31.5	2.055	2.900	12.4	20.5

75929 2000 CH_{70} 2 16.5 289°.08 4°.3/18.9 18

1 12	10 24.21	+ 2 38.8	1.720	2.503	16.5	18.7
1 22	10 19.41	+ 1 57.2	1.621	2.488	13.3	18.4
2 1	10 11.96	+ 1 30.8	1.543	2.473	9.6	18.1
2 11	10 2.50	+ 1 19.9	1.491	2.458	5.8	17.9
2 21	9 52.01	+ 1 23.3	1.465	2.443	4.4	17.8
3 2	9 41.77	+ 1 37.6	1.467	2.428	7.4	17.9
3 12	9 33.04	+ 1 57.8	1.496	2.413	11.5	18.1
3 22	9 26.74	+ 2 18.5	1.547	2.399	15.4	18.3

6009 Yuzuruyoshii 2 16.5 231°.88 10°.6/26.7 18

1 12	10 20.18	−19 51.4	2.081	2.724	18.0	17.5
1 22	10 16.06	−20 30.5	1.979	2.715	16.2	17.3
2 1	10 9.70	−20 41.1	1.893	2.705	14.2	17.2
2 11	10 1.65	−20 18.8	1.827	2.694	12.2	17.0
2 21	9 52.74	−19 22.2	1.785	2.683	10.9	16.9
3 2	9 44.02	−17 53.9	1.768	2.672	10.8	16.8
3 12	9 36.54	−16 1.3	1.777	2.660	12.0	16.9
3 22	9 31.10	−13 54.4	1.809	2.647	14.1	17.0

196555 2003 QU_{9} 2 16.5 214°.99 2°.9/13.8 17

1 12	10 23.65	+20 28.6	2.467	3.279	11.2	21.3
1 22	10 18.18	+21 6.9	2.378	3.272	8.4	21.1
2 1	10 10.75	+21 48.0	2.315	3.264	5.5	20.9
2 11	10 1.95	+22 26.7	2.280	3.256	3.1	20.8
2 21	9 52.56	+22 58.0	2.277	3.247	4.0	20.8
3 2	9 43.49	+23 18.0	2.303	3.238	6.9	21.0
3 12	9 35.61	+23 24.5	2.356	3.228	9.9	21.1
3 22	9 29.56	+23 17.5	2.434	3.218	12.6	21.3

302228 2001 VO_{102} 2 16.5 144°.74 2°.2/14.7 18

1 12	10 27.49	+16 16.4	1.980	2.789	13.7	22.2
1 22	10 21.30	+17 3.9	1.910	2.803	10.2	22.0
2 1	10 12.78	+17 58.2	1.865	2.816	6.4	21.8
2 11	10 2.67	+18 52.9	1.848	2.828	2.8	21.6
2 21	9 52.00	+19 41.5	1.861	2.840	3.6	21.7
3 2	9 41.91	+20 18.6	1.904	2.850	7.3	21.9
3 12	9 33.41	+20 41.2	1.975	2.859	10.9	22.1
3 22	9 27.18	+20 48.8	2.069	2.868	14.0	22.4

209137 2003 SB_{251} 2 16.5 127°.31 2°.4/18.5 18

1 12	10 22.15	+ 3 1.7	1.824	2.608	15.6	20.8
1 22	10 17.44	+ 3 24.1	1.747	2.618	12.3	20.6
2 1	10 10.44	+ 4 5.3	1.692	2.629	8.3	20.4
2 11	10 1.86	+ 5 2.2	1.664	2.638	4.2	20.2
2 21	9 52.65	+ 6 9.2	1.664	2.648	2.7	20.1
3 2	9 43.92	+ 7 19.4	1.693	2.657	6.2	20.3
3 12	9 36.68	+ 8 25.9	1.749	2.665	10.2	20.6
3 22	9 31.62	+ 9 23.2	1.830	2.674	13.8	20.8

285922 2001 QC_{212} 2 16.5 193°.67 0°.5/15.9 18

1 12	10 20.55	+12 49.3	2.993	3.787	9.9	22.0
1 22	10 15.45	+13 10.7	2.899	3.784	7.5	21.8
2 1	10 8.86	+13 38.2	2.833	3.781	4.7	21.7
2 11	10 1.23	+14 8.8	2.795	3.778	1.6	21.4
2 21	9 53.17	+14 39.1	2.789	3.774	1.7	21.4
3 2	9 45.35	+15 5.8	2.815	3.769	4.7	21.6
3 12	9 38.43	+15 26.5	2.869	3.764	7.5	21.8
3 22	9 32.89	+15 39.4	2.950	3.758	10.0	22.0

185270 2006 UX_{143} 2 16.5 74°.93 1°.7/17.7 18

1 12	10 21.95	+ 6 26.4	1.719	2.520	15.8	20.5
1 22	10 17.45	+ 6 34.1	1.641	2.525	12.2	20.3
2 1	10 10.52	+ 6 57.5	1.586	2.530	8.1	20.1
2 11	10 1.91	+ 7 33.5	1.556	2.535	3.7	19.8
2 21	9 52.61	+ 8 17.0	1.555	2.540	2.3	19.7
3 2	9 43.81	+ 9 2.1	1.581	2.546	6.5	20.0
3 12	9 36.58	+ 9 42.7	1.634	2.551	10.8	20.3
3 22	9 31.66	+10 14.8	1.710	2.556	14.5	20.5

63436 2001 MO_{23} 2 16.5 135°.16 0°.1/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.80	+10 0.7	2.364	3.154	12.3	20.2
1 22	10 18.13	+10 26.0	2.289	3.171	9.3	20.0
2 1	10 10.61	+11 0.9	2.240	3.186	5.9	19.8
2 11	10 1.87	+11 41.5	2.219	3.201	2.2	19.6
2 21	9 52.69	+12 23.5	2.229	3.214	1.7	19.6
3 2	9 43.94	+13 2.4	2.270	3.228	5.4	19.9
3 12	9 36.43	+13 34.5	2.339	3.240	8.7	20.1
3 22	9 30.72	+13 57.7	2.434	3.252	11.6	20.3

296776 2009 UG_{127} 2 16.5 114°.34 3°.1/18.9 18

1 12	10 22.69	+ 2 58.0	1.998	2.775	14.7	20.8
1 22	10 17.67	+ 2 45.3	1.917	2.782	11.7	20.6
2 1	10 10.51	+ 2 47.8	1.859	2.790	8.1	20.4
2 11	10 1.88	+ 3 4.1	1.827	2.797	4.6	20.2
2 21	9 52.66	+ 3 31.1	1.824	2.804	3.2	20.2
3 2	9 43.87	+ 4 4.5	1.850	2.811	6.0	20.4
3 12	9 36.46	+ 4 39.1	1.903	2.818	9.6	20.6
3 22	9 31.08	+ 5 10.6	1.980	2.825	12.8	20.8

163669 2002 WK_{8} 2 16.5 106°.30 0°.3/16.2 18

1 12	10 19.64	+10 49.7	2.452	3.252	11.6	20.6
1 22	10 14.98	+11 25.9	2.380	3.267	8.8	20.4
2 1	10 8.63	+12 11.2	2.333	3.282	5.5	20.3
2 11	10 1.16	+13 1.5	2.315	3.297	1.9	20.0
2 21	9 53.28	+13 52.2	2.327	3.312	1.8	20.1
3 2	9 45.80	+14 38.7	2.369	3.326	5.2	20.3
3 12	9 39.43	+15 17.3	2.440	3.340	8.4	20.5
3 22	9 34.69	+15 46.0	2.535	3.354	11.2	20.7

468559 2006 UB_{136} 2 16.5 148°.83 0°.9/17.5 17

1 12	10 18.01	+ 6 51.9	2.764	3.547	10.9	22.3
1 22	10 13.63	+ 7 14.9	2.678	3.553	8.4	22.2
2 1	10 7.75	+ 7 48.3	2.617	3.558	5.5	22.0
2 11	10 0.85	+ 8 29.4	2.585	3.563	2.4	21.8
2 21	9 53.53	+ 9 14.6	2.583	3.568	1.5	21.7
3 2	9 46.49	+10 0.0	2.611	3.573	4.5	21.9
3 12	9 40.38	+10 41.8	2.669	3.577	7.5	22.1
3 22	9 35.68	+11 17.2	2.753	3.581	10.1	22.3

337478 2001 SY_{36} 2 16.5 151°.66 3°.9/21.4 17

1 12	10 17.35	− 5 17.9	2.943	3.664	11.7	21.9
1 22	10 13.06	− 5 2.8	2.851	3.672	9.6	21.7
2 1	10 7.36	− 4 31.3	2.782	3.680	7.3	21.6
2 11	10 0.70	− 3 44.6	2.741	3.687	5.0	21.4
2 21	9 53.66	− 2 45.2	2.728	3.694	3.9	21.4
3 2	9 46.85	− 1 37.0	2.747	3.700	4.9	21.4
3 12	9 40.90	− 0 24.8	2.795	3.706	7.1	21.6
3 22	9 36.26	+ 0 46.6	2.870	3.711	9.4	21.8

465677 2009 SY_{193} 2 16.5 129°.56 3°.0/14.2 18

1 12	10 25.56	+19 53.2	2.005	2.824	13.2	21.0
1 22	10 19.88	+20 24.1	1.933	2.830	9.9	20.8
2 1	10 11.91	+20 58.2	1.885	2.837	6.3	20.6
2 11	10 2.39	+21 29.4	1.865	2.843	3.3	20.4
2 21	9 52.31	+21 52.2	1.874	2.849	4.2	20.5
3 2	9 42.80	+22 2.4	1.913	2.855	7.6	20.7
3 12	9 34.84	+21 58.5	1.978	2.860	11.0	21.0
3 22	9 29.12	+21 40.8	2.066	2.865	14.0	21.2

330057 2005 UR_{438} 2 16.5 84°.45 1°.8/14.9 18

1 12	10 21.87	+14 27.5	1.820	2.641	14.2	21.2
1 22	10 17.24	+15 17.3	1.754	2.653	10.6	21.0
2 1	10 10.31	+16 16.5	1.711	2.666	6.6	20.8
2 11	10 1.82	+17 18.6	1.696	2.678	2.6	20.6
2 21	9 52.77	+18 16.5	1.709	2.690	3.3	20.6
3 2	9 44.28	+19 3.9	1.751	2.703	7.3	20.9
3 12	9 37.35	+19 37.0	1.819	2.715	11.1	21.2
3 22	9 32.65	+19 54.3	1.910	2.727	14.4	21.4

80356 1999 XM_{124} 2 16.5 143°.62 0°.4/16.8 18

1 12	10 28.36	+ 9 19.7	1.814	2.609	15.3	20.1
1 22	10 22.10	+ 9 38.8	1.740	2.623	11.7	19.9
2 1	10 13.37	+10 10.7	1.690	2.636	7.5	19.7
2 11	10 2.93	+10 50.9	1.667	2.648	2.8	19.4
2 21	9 51.87	+11 33.7	1.673	2.659	2.0	19.4
3 2	9 41.40	+12 13.5	1.709	2.669	6.6	19.7
3 12	9 32.63	+12 45.5	1.773	2.678	10.8	20.0
3 22	9 26.27	+13 7.0	1.861	2.687	14.3	20.2

373048 2011 EF_{66} 2 16.5 165°.21 1°.8/18.2 17

1 12	10 19.03	+ 4 4.5	2.150	2.933	13.6	21.7
1 22	10 14.86	+ 4 32.2	2.063	2.935	10.6	21.5
2 1	10 8.74	+ 5 15.8	1.999	2.937	7.1	21.3
2 11	10 1.26	+ 6 12.3	1.962	2.938	3.5	21.0
2 21	9 53.21	+ 7 16.9	1.955	2.939	2.1	20.9
3 2	9 45.47	+ 8 23.9	1.977	2.940	5.5	21.2
3 12	9 38.92	+ 9 27.2	2.027	2.941	9.1	21.4
3 22	9 34.19	+10 22.3	2.102	2.942	12.4	21.6

244074 2001 TC_{183} 2 16.5 68°.99 5°.7/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.10	+29 27.0	2.204	3.024	12.1	19.9
1 22	10 20.03	+30 14.8	2.156	3.046	9.4	19.8
2 1	10 11.83	+30 57.4	2.133	3.068	6.9	19.7
2 11	10 2.31	+31 28.3	2.138	3.090	5.7	19.7
2 21	9 52.45	+31 42.5	2.171	3.113	6.6	19.8
3 2	9 43.33	+31 37.6	2.232	3.135	8.9	19.9
3 12	9 35.82	+31 14.2	2.319	3.157	11.3	20.1
3 22	9 30.49	+30 35.0	2.427	3.179	13.5	20.3

492866 2014 QY_{373} 2 16.5 201°.13 3°.5/13.7 17

1 12	10 26.02	+19 58.0	1.998	2.816	13.2	22.8
1 22	10 20.41	+20 48.6	1.915	2.813	10.0	22.6
2 1	10 12.38	+21 43.9	1.858	2.808	6.5	22.4
2 11	10 2.62	+22 36.9	1.828	2.804	3.7	22.2
2 21	9 52.12	+23 20.8	1.827	2.798	4.7	22.2
3 2	9 42.04	+23 50.1	1.855	2.792	8.2	22.4
3 12	9 33.48	+24 2.2	1.910	2.785	11.7	22.6
3 22	9 27.22	+23 57.3	1.988	2.778	14.9	22.8

218638 2005 SS_{18} 2 16.5 244°.45 0°.6/17.0 17

1 12	10 21.88	+ 8 25.6	2.126	2.921	13.3	21.8
1 22	10 17.19	+ 8 50.0	2.023	2.906	10.3	21.6
2 1	10 10.34	+ 9 27.5	1.945	2.890	6.7	21.4
2 11	10 1.90	+10 14.6	1.893	2.874	2.6	21.1
2 21	9 52.67	+11 6.5	1.872	2.858	1.8	21.0
3 2	9 43.65	+11 57.7	1.880	2.841	6.0	21.2
3 12	9 35.82	+12 42.9	1.916	2.823	10.0	21.4
3 22	9 29.94	+13 18.5	1.976	2.805	13.5	21.6

110361 2001 SF_{324} 2 16.5 59°.59 5°.0/19.4 18

1 12	10 26.95	+ 1 16.5	1.699	2.472	17.1	19.1
1 22	10 21.14	+ 0 18.7	1.628	2.486	13.7	18.9
2 1	10 12.81	− 0 22.7	1.578	2.500	10.0	18.7
2 11	10 2.75	− 0 46.7	1.553	2.515	6.4	18.6
2 21	9 52.06	− 0 54.6	1.556	2.529	5.1	18.5
3 2	9 41.98	− 0 49.6	1.588	2.544	7.4	18.7
3 12	9 33.63	− 0 36.5	1.645	2.559	10.9	18.9
3 22	9 27.74	− 0 20.7	1.726	2.574	14.3	19.1

171224 2005 JD_{136} 2 16.5 216°.74 4°.1/12.1 18

1 12	10 20.22	+23 7.3	2.403	3.227	11.1	20.4
1 22	10 15.71	+24 13.6	2.325	3.224	8.4	20.3
2 1	10 9.26	+25 22.1	2.273	3.220	5.7	20.1
2 11	10 1.46	+26 26.2	2.249	3.217	4.1	20.0
2 21	9 53.08	+27 19.9	2.255	3.213	5.2	20.0
3 2	9 45.03	+27 58.5	2.289	3.209	7.8	20.2
3 12	9 38.18	+28 19.7	2.350	3.205	10.6	20.4
3 22	9 33.13	+28 23.7	2.433	3.200	13.1	20.5

423234 2004 SD_{32} 2 16.5 132°.22 2°.1/14.6 18

1 12	10 23.17	+17 2.0	2.300	3.111	11.9	21.5
1 22	10 17.79	+17 41.8	2.229	3.123	8.9	21.3
2 1	10 10.47	+18 26.6	2.183	3.135	5.6	21.1
2 11	10 1.86	+19 11.3	2.166	3.146	2.5	20.9
2 21	9 52.79	+19 50.8	2.179	3.157	3.2	21.0
3 2	9 44.17	+20 20.7	2.222	3.167	6.5	21.2
3 12	9 36.85	+20 38.5	2.293	3.177	9.6	21.4
3 22	9 31.41	+20 43.5	2.387	3.186	12.4	21.6

414208 2008 ET_{6} 2 16.5 257°.64 5°.3/11.9 16

1 12	10 23.30	+23 32.0	1.850	2.681	13.6	21.0
1 22	10 18.68	+24 45.5	1.768	2.670	10.4	20.7
2 1	10 11.46	+26 2.5	1.711	2.659	7.2	20.5
2 11	10 2.34	+27 14.2	1.681	2.648	5.3	20.4
2 21	9 52.34	+28 11.9	1.679	2.637	6.7	20.4
3 2	9 42.73	+28 49.2	1.704	2.625	9.9	20.6
3 12	9 34.73	+29 3.4	1.754	2.614	13.4	20.8
3 22	9 29.18	+28 55.6	1.824	2.602	16.4	21.0

205930 2002 JB_{19} 2 16.5 343°.26 2°.7/18.5 18

1 12	10 18.94	+ 3 3.4	1.441	2.247	18.0	19.7
1 22	10 15.70	+ 3 23.3	1.360	2.244	14.2	19.4
2 1	10 9.73	+ 4 6.9	1.299	2.241	9.7	19.2
2 11	10 1.74	+ 5 11.3	1.262	2.238	4.9	18.9
2 21	9 52.83	+ 6 29.8	1.251	2.236	3.0	18.7
3 2	9 44.37	+ 7 53.4	1.267	2.234	7.4	19.0
3 12	9 37.63	+ 9 12.5	1.308	2.233	12.2	19.3
3 22	9 33.51	+10 19.5	1.370	2.232	16.5	19.5

176915 2002 VW_{83} 2 16.5 124°.34 2°.4/14.4 18

1 12	10 23.31	+16 13.3	1.996	2.812	13.3	19.5
1 22	10 18.18	+17 11.7	1.928	2.826	9.9	19.3
2 1	10 10.84	+18 17.3	1.885	2.839	6.2	19.1
2 11	10 2.02	+19 23.7	1.871	2.851	2.8	18.9
2 21	9 52.66	+20 23.9	1.886	2.863	3.7	19.0
3 2	9 43.82	+21 12.1	1.930	2.875	7.3	19.3
3 12	9 36.45	+21 44.8	2.001	2.886	10.8	19.5
3 22	9 31.21	+22 1.4	2.095	2.896	13.8	19.7

422145 2014 QT_{437} 2 16.5 165°.05 7°.0/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.03	+30 10.7	1.989	2.814	13.0	20.7
1 22	10 20.55	+31 33.4	1.926	2.817	10.3	20.5
2 1	10 12.49	+32 52.3	1.888	2.820	7.9	20.4
2 11	10 2.66	+33 58.1	1.877	2.822	7.1	20.3
2 21	9 52.14	+34 43.1	1.894	2.824	8.3	20.4
3 2	9 42.20	+35 3.0	1.937	2.826	10.8	20.6
3 12	9 34.00	+34 57.6	2.004	2.827	13.4	20.7
3 22	9 28.26	+34 29.8	2.092	2.828	15.9	20.9

258128 2001 RQ_{23} 2 16.5 171°.88 6°.5/12.5 18

1 12	10 38.17	+32 6.8	2.127	2.927	13.2	20.4
1 22	10 29.36	+32 31.6	2.053	2.929	10.5	20.3
2 1	10 17.83	+32 48.1	2.005	2.932	7.9	20.1
2 11	10 4.52	+32 48.7	1.985	2.934	6.5	20.0
2 21	9 50.70	+32 28.1	1.996	2.935	7.3	20.1
3 2	9 37.76	+31 45.0	2.036	2.936	9.7	20.2
3 12	9 26.88	+30 41.6	2.103	2.936	12.5	20.4
3 22	9 18.77	+29 22.7	2.193	2.936	15.0	20.6

47624 2000 BG_{41} 2 16.5 190°.92 0°.2/16.3 18

1 12	10 19.89	+10 55.6	2.603	3.399	11.1	20.2
1 22	10 15.20	+11 28.6	2.512	3.398	8.4	20.0
2 1	10 8.83	+12 10.5	2.447	3.396	5.3	19.8
2 11	10 1.29	+12 57.8	2.411	3.394	1.9	19.6
2 21	9 53.25	+13 46.1	2.406	3.391	1.7	19.6
3 2	9 45.47	+14 31.1	2.431	3.388	5.2	19.8
3 12	9 38.70	+15 9.0	2.485	3.385	8.4	20.0
3 22	9 33.49	+15 37.6	2.564	3.381	11.1	20.2

165798 2001 RU_{41} 2 16.5 66°.00 0°.4/16.2 18

1 12	10 20.02	+11 29.7	2.135	2.942	12.9	20.1
1 22	10 15.51	+11 56.9	2.065	2.956	9.7	20.0
2 1	10 9.07	+12 33.5	2.020	2.971	6.0	19.8
2 11	10 1.37	+13 15.3	2.002	2.985	2.1	19.5
2 21	9 53.21	+13 57.3	2.014	2.999	2.0	19.5
3 2	9 45.52	+14 34.8	2.055	3.014	5.8	19.8
3 12	9 39.12	+15 4.0	2.124	3.028	9.3	20.1
3 22	9 34.58	+15 22.9	2.216	3.043	12.3	20.3

6281 Strnad 2 16.5 210°.03 5°.1/12.1 18

1 12	10 26.93	+26 21.3	2.198	3.015	12.2	17.6
1 22	10 20.97	+27 13.8	2.117	3.010	9.4	17.4
2 1	10 12.67	+28 5.3	2.062	3.003	6.7	17.3
2 11	10 2.72	+28 48.5	2.035	2.997	5.1	17.2
2 21	9 52.09	+29 17.2	2.037	2.990	6.2	17.2
3 2	9 41.91	+29 27.3	2.068	2.982	8.9	17.4
3 12	9 33.23	+29 17.9	2.125	2.973	11.8	17.5
3 22	9 26.78	+28 50.7	2.204	2.965	14.5	17.7

221643 2007 BZ_{47} 2 16.5 141°.81 2°.2/14.7 18

1 12	10 22.20	+16 2.6	1.924	2.744	13.6	20.6
1 22	10 17.50	+16 47.5	1.847	2.747	10.2	20.4
2 1	10 10.51	+17 40.2	1.795	2.749	6.4	20.2
2 11	10 1.94	+18 34.5	1.771	2.752	2.7	19.9
2 21	9 52.74	+19 23.9	1.775	2.754	3.5	20.0
3 2	9 43.99	+20 2.7	1.808	2.757	7.4	20.2
3 12	9 36.72	+20 27.3	1.867	2.759	11.1	20.5
3 22	9 31.62	+20 36.6	1.949	2.761	14.3	20.7

64756 2001 XP_{160} 2 16.5 314°.32 2°.0/14.9 18

1 12	10 19.87	+14 32.9	1.697	2.525	14.7	19.6
1 22	10 16.13	+15 21.9	1.613	2.516	11.1	19.3
2 1	10 9.88	+16 22.2	1.552	2.507	6.9	19.1
2 11	10 1.78	+17 27.5	1.517	2.499	2.8	18.8
2 21	9 52.84	+18 29.8	1.510	2.491	3.6	18.8
3 2	9 44.28	+19 21.9	1.530	2.483	8.0	19.1
3 12	9 37.28	+19 58.4	1.576	2.475	12.3	19.3
3 22	9 32.66	+20 17.4	1.643	2.468	15.9	19.5

28263 1999 CR_{4} 2 16.5 299°.63 3°.2/18.6 18

1 12	10 23.15	+ 4 10.5	1.764	2.553	15.9	17.3
1 22	10 18.43	+ 3 46.7	1.675	2.548	12.6	17.1
2 1	10 11.24	+ 3 38.0	1.607	2.543	8.8	16.9
2 11	10 2.26	+ 3 43.6	1.566	2.538	4.8	16.6
2 21	9 52.46	+ 4 0.7	1.552	2.533	3.4	16.5
3 2	9 43.03	+ 4 24.9	1.566	2.529	6.7	16.7
3 12	9 35.12	+ 4 51.1	1.606	2.524	10.8	16.9
3 22	9 29.52	+ 5 14.5	1.670	2.520	14.5	17.1

292573 2006 TY_{80} 2 16.5 193°.62 0°.8/17.3 17

1 12	10 19.11	+ 8 9.3	2.867	3.650	10.5	21.5
1 22	10 14.46	+ 8 23.5	2.773	3.648	8.1	21.3
2 1	10 8.29	+ 8 46.5	2.704	3.646	5.2	21.1
2 11	10 1.09	+ 9 16.1	2.664	3.644	2.2	20.9
2 21	9 53.44	+ 9 49.0	2.655	3.641	1.4	20.8
3 2	9 46.03	+10 22.0	2.677	3.638	4.5	21.0
3 12	9 39.52	+10 51.7	2.728	3.634	7.4	21.2
3 22	9 34.39	+11 15.8	2.805	3.631	10.0	21.4

467138 2016 EB_{79} 2 16.5 15°.60 3°.5/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 13.79	− 0 54.5	1.338	2.143	19.2	19.7
1 22	10 11.83	− 0 7.8	1.269	2.149	15.3	19.4
2 1	10 7.26	+ 1 10.3	1.219	2.156	10.7	19.2
2 11	10 0.83	+ 2 55.5	1.192	2.165	5.9	18.9
2 21	9 53.65	+ 4 58.8	1.190	2.174	3.6	18.8
3 2	9 47.01	+ 7 7.4	1.216	2.185	7.2	19.1
3 12	9 42.12	+ 9 8.6	1.266	2.197	11.9	19.3
3 22	9 39.74	+10 52.7	1.338	2.210	16.1	19.6

285979 2001 RA_{132} 2 16.5 179°.41 3°.1/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.96	+18 23.3	1.763	2.582	14.7	21.5
1 22	10 22.10	+19 5.7	1.686	2.584	11.1	21.3
2 1	10 13.55	+19 54.2	1.632	2.585	7.0	21.0
2 11	10 3.08	+20 41.6	1.606	2.585	3.5	20.8
2 21	9 51.85	+21 20.5	1.609	2.585	4.5	20.9
3 2	9 41.17	+21 45.3	1.640	2.584	8.4	21.1
3 12	9 32.27	+21 53.2	1.698	2.583	12.4	21.3
3 22	9 25.95	+21 44.6	1.777	2.581	15.8	21.6

107520 2001 DF_{58} 2 16.5 333°.58 5°.6/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.96	− 0 27.1	1.419	2.211	19.0	19.4
1 22	10 16.59	− 1 0.8	1.333	2.202	15.5	19.2
2 1	10 10.39	− 1 11.7	1.267	2.194	11.5	18.9
2 11	10 2.04	− 0 58.9	1.223	2.187	7.5	18.7
2 21	9 52.66	− 0 24.6	1.204	2.180	5.7	18.5
3 2	9 43.65	+ 0 25.5	1.211	2.174	8.3	18.7
3 12	9 36.40	+ 1 22.9	1.241	2.168	12.5	18.9
3 22	9 31.84	+ 2 19.3	1.293	2.163	16.7	19.1

330876 2009 RR_{17} 2 16.5 159°.34 2°.9/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.85	+ 1 3.5	1.941	2.719	15.1	21.2
1 22	10 14.95	+ 1 27.0	1.854	2.719	12.0	21.0
2 1	10 8.93	+ 2 10.4	1.789	2.720	8.4	20.8
2 11	10 1.41	+ 3 11.2	1.750	2.721	4.6	20.6
2 21	9 53.22	+ 4 24.6	1.739	2.721	3.0	20.5
3 2	9 45.38	+ 5 43.9	1.758	2.722	6.0	20.7
3 12	9 38.83	+ 7 1.6	1.803	2.722	9.8	20.9
3 22	9 34.27	+ 8 11.6	1.873	2.723	13.2	21.1

368981 2007 EK_{83} 2 16.5 15°.14 0°.9/15.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.31	+11 12.0	1.723	2.543	14.9	21.2
1 22	10 15.56	+12 0.6	1.645	2.544	11.3	21.0
2 1	10 9.42	+13 3.1	1.591	2.545	7.0	20.8
2 11	10 1.60	+14 13.5	1.564	2.547	2.5	20.5
2 21	9 53.07	+15 24.5	1.564	2.549	2.6	20.5
3 2	9 44.99	+16 28.3	1.592	2.551	7.2	20.8
3 12	9 38.42	+17 19.1	1.647	2.553	11.4	21.0
3 22	9 34.12	+17 53.9	1.723	2.555	15.0	21.3

95516 2002 EA_{57} 2 16.5 175°.79 1°.6/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.91	+ 4 56.5	2.145	2.930	13.6	20.2
1 22	10 15.54	+ 5 19.5	2.057	2.931	10.6	20.0
2 1	10 9.21	+ 5 57.6	1.993	2.932	7.1	19.8
2 11	10 1.49	+ 6 47.7	1.956	2.933	3.3	19.5
2 21	9 53.18	+ 7 45.2	1.948	2.933	2.0	19.4
3 2	9 45.19	+ 8 44.7	1.970	2.933	5.5	19.7
3 12	9 38.40	+ 9 40.4	2.020	2.933	9.2	19.9
3 22	9 33.45	+10 28.2	2.094	2.933	12.5	20.1

11004 Stenmark 2 16.5 157°.21 2°.9/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.32	+22 36.7	2.881	3.690	9.8	17.6
1 22	10 17.59	+23 3.2	2.804	3.695	7.4	17.4
2 1	10 10.23	+23 29.8	2.754	3.701	4.9	17.3
2 11	10 1.80	+23 52.3	2.733	3.705	3.0	17.1
2 21	9 52.98	+24 7.1	2.743	3.710	3.7	17.2
3 2	9 44.55	+24 11.5	2.783	3.714	6.1	17.3
3 12	9 37.19	+24 4.5	2.852	3.717	8.6	17.5
3 22	9 31.43	+23 46.4	2.946	3.721	10.9	17.7

226779 2004 RW_{143} 2 16.5 86°.47 0°.8/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.53	+11 35.5	1.942	2.754	13.8	20.1
1 22	10 16.14	+12 19.0	1.870	2.764	10.4	19.9
2 1	10 9.62	+13 13.8	1.822	2.774	6.5	19.7
2 11	10 1.64	+14 14.6	1.801	2.784	2.3	19.5
2 21	9 53.10	+15 14.9	1.810	2.794	2.4	19.5
3 2	9 45.03	+16 8.6	1.847	2.804	6.5	19.8
3 12	9 38.37	+16 51.1	1.911	2.814	10.3	20.0
3 22	9 33.76	+17 20.0	1.999	2.823	13.5	20.2

416245 2003 CT_{1} 2 16.5 30°.19 1°.3/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.07	+ 9 44.1	1.369	2.191	17.9	20.0
1 22	10 19.48	+ 9 25.8	1.306	2.203	13.8	19.8
2 1	10 12.00	+ 9 21.1	1.264	2.215	8.9	19.5
2 11	10 2.54	+ 9 26.8	1.246	2.227	3.7	19.3
2 21	9 52.40	+ 9 38.0	1.255	2.241	2.4	19.2
3 2	9 43.05	+ 9 49.6	1.290	2.255	7.5	19.6
3 12	9 35.76	+ 9 56.9	1.349	2.270	12.2	19.9
3 22	9 31.28	+ 9 57.0	1.430	2.286	16.2	20.1

506370 2017 QZ_{24} 2 16.5 232°.86 1°.8/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 19.44	+ 3 0.8	2.250	3.026	13.3	21.6
1 22	10 15.22	+ 3 40.0	2.147	3.014	10.5	21.4
2 1	10 9.06	+ 4 36.6	2.067	3.003	7.1	21.2
2 11	10 1.47	+ 5 47.8	2.015	2.991	3.5	20.9
2 21	9 53.19	+ 7 8.8	1.993	2.978	2.1	20.8
3 2	9 45.09	+ 8 33.3	2.002	2.965	5.5	21.0
3 12	9 38.07	+ 9 54.4	2.039	2.951	9.2	21.2
3 22	9 32.80	+11 6.8	2.101	2.937	12.5	21.4

21687 Filopanti 2 16.5 133°.43 1°.0/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.03	+13 56.8	2.107	2.916	12.9	18.6
1 22	10 17.88	+14 19.2	2.029	2.921	9.8	18.4
2 1	10 10.66	+14 49.1	1.975	2.927	6.1	18.2
2 11	10 2.01	+15 22.1	1.950	2.932	2.2	17.9
2 21	9 52.81	+15 53.4	1.954	2.937	2.4	18.0
3 2	9 44.06	+16 18.5	1.987	2.942	6.3	18.2
3 12	9 36.67	+16 34.1	2.048	2.947	9.9	18.4
3 22	9 31.28	+16 39.0	2.133	2.951	13.0	18.7

259801 2004 BR_{81} 2 16.5 326°.74 3°.1/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 15.94	+21 18.1	2.798	3.621	9.7	19.9
1 22	10 12.26	+22 17.3	2.715	3.615	7.3	19.7
2 1	10 7.01	+23 19.3	2.658	3.608	4.8	19.5
2 11	10 0.67	+24 19.2	2.630	3.602	3.2	19.4
2 21	9 53.87	+25 12.0	2.632	3.596	4.1	19.5
3 2	9 47.31	+25 53.7	2.663	3.590	6.5	19.6
3 12	9 41.67	+26 21.8	2.721	3.584	9.0	19.8
3 22	9 37.48	+26 35.6	2.803	3.579	11.3	19.9

146069 2000 GL_{85} 2 16.5 273°.31 7°.9/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.89	+30 35.4	1.895	2.724	13.4	20.1
1 22	10 20.20	+32 15.0	1.809	2.702	10.8	19.9
2 1	10 12.64	+33 53.9	1.748	2.679	8.6	19.7
2 11	10 2.88	+35 21.2	1.714	2.655	8.0	19.7
2 21	9 52.01	+36 26.7	1.707	2.632	9.5	19.7
3 2	9 41.41	+37 3.8	1.726	2.608	12.2	19.8
3 12	9 32.48	+37 10.8	1.768	2.584	15.2	19.9
3 22	9 26.21	+36 50.1	1.828	2.559	18.0	20.1

329807 2004 RN_{55} 2 16.5 182°.34 2°.0/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.95	+ 4 27.4	2.227	3.007	13.3	21.3
1 22	10 16.26	+ 4 39.2	2.137	3.007	10.4	21.1
2 1	10 9.64	+ 5 5.1	2.071	3.007	7.1	20.9
2 11	10 1.65	+ 5 42.8	2.032	3.007	3.5	20.7
2 21	9 53.08	+ 6 28.4	2.023	3.007	2.3	20.6
3 2	9 44.82	+ 7 17.2	2.043	3.006	5.4	20.8
3 12	9 37.73	+ 8 4.0	2.091	3.004	9.0	21.0
3 22	9 32.45	+ 8 44.8	2.165	3.003	12.1	21.2

457202 2008 HV_{48} 2 16.5 316°.41 0°.1/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 16.91	+ 8 3.9	1.516	2.339	16.4	20.8
1 22	10 14.24	+ 8 54.9	1.422	2.321	12.7	20.5
2 1	10 8.91	+10 7.3	1.350	2.303	8.1	20.2
2 11	10 1.54	+11 35.7	1.303	2.285	3.0	19.9
2 21	9 53.11	+13 11.6	1.282	2.268	2.5	19.8
3 2	9 44.93	+14 44.9	1.289	2.252	7.9	20.1
3 12	9 38.32	+16 5.9	1.320	2.236	12.9	20.3
3 22	9 34.23	+17 8.5	1.373	2.221	17.2	20.5

332769 2009 UV_{137} 2 16.5 107°.51 5°.0/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.46	+25 39.1	2.162	2.983	12.2	21.2
1 22	10 19.68	+26 41.0	2.106	3.001	9.3	21.0
2 1	10 11.73	+27 41.5	2.076	3.019	6.5	20.9
2 11	10 2.37	+28 33.2	2.074	3.037	5.0	20.8
2 21	9 52.58	+29 10.4	2.102	3.054	6.0	20.9
3 2	9 43.39	+29 29.1	2.157	3.070	8.6	21.1
3 12	9 35.75	+29 28.9	2.238	3.087	11.3	21.3
3 22	9 30.26	+29 11.3	2.342	3.102	13.7	21.5

210761 2000 WT_{92} 2 16.5 78°.92 2°.0/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.19	+14 20.4	1.505	2.331	16.4	21.0
1 22	10 20.10	+15 8.5	1.449	2.351	12.3	20.8
2 1	10 12.26	+16 7.1	1.415	2.370	7.6	20.6
2 11	10 2.62	+17 8.5	1.408	2.390	2.9	20.3
2 21	9 52.39	+18 4.5	1.428	2.409	3.6	20.4
3 2	9 42.97	+18 48.1	1.475	2.429	8.2	20.7
3 12	9 35.53	+19 15.3	1.548	2.448	12.4	21.0
3 22	9 30.76	+19 25.3	1.642	2.467	16.0	21.3

231505 2008 RV_{33} 2 16.5 319°.36 1°.8/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.39	+ 5 20.4	1.941	2.735	14.5	20.6
1 22	10 15.38	+ 5 33.9	1.853	2.732	11.3	20.4
2 1	10 9.23	+ 6 2.9	1.788	2.729	7.6	20.2
2 11	10 1.55	+ 6 44.8	1.749	2.727	3.6	19.9
2 21	9 53.19	+ 7 34.9	1.739	2.724	2.2	19.8
3 2	9 45.17	+ 8 27.7	1.757	2.721	6.0	20.1
3 12	9 38.46	+ 9 17.1	1.802	2.719	9.9	20.3
3 22	9 33.76	+ 9 58.9	1.871	2.717	13.4	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
148862 2001 VD_{66}			2 16.5	36°.50	9°.9/ 9.5	18
	h m	° ′			°	m
1 12	10 26.46	+34 3.0	1.469	2.308	16.0	18.9
1 22	10 21.56	+35 32.0	1.427	2.320	13.1	18.8
2 1	10 13.39	+36 50.8	1.407	2.333	10.7	18.7
2 11	10 3.05	+37 47.0	1.412	2.347	9.9	18.6
2 21	9 52.08	+38 12.2	1.440	2.361	11.2	18.8
3 2	9 42.19	+38 3.2	1.493	2.376	13.7	18.9
3 12	9 34.73	+37 23.0	1.566	2.391	16.5	19.2
3 22	9 30.43	+36 17.8	1.657	2.407	18.9	19.4
370518 2003 SN_{253}			2 16.5	87°.52	0°.5/16.1	18
1 12	10 23.40	+12 15.2	2.205	3.006	12.7	21.7
1 22	10 17.90	+12 40.5	2.144	3.032	9.5	21.5
2 1	10 10.51	+13 14.0	2.108	3.058	5.9	21.3
2 11	10 1.92	+13 51.2	2.100	3.083	2.1	21.1
2 21	9 52.97	+14 27.5	2.123	3.107	2.0	21.1
3 2	9 44.58	+14 58.6	2.175	3.132	5.7	21.4
3 12	9 37.53	+15 21.4	2.256	3.155	9.1	21.7
3 22	9 32.38	+15 34.3	2.360	3.179	11.9	21.9
48647 1995 UT_{8}			2 16.5	78°.72	2°.4/14.9	18
1 12	10 24.68	+14 14.1	1.345	2.178	17.6	18.5
1 22	10 20.08	+15 13.5	1.287	2.192	13.2	18.2
2 1	10 12.45	+16 25.8	1.250	2.207	8.2	18.0
2 11	10 2.74	+17 41.9	1.239	2.221	3.3	17.7
2 21	9 52.30	+18 51.6	1.255	2.236	4.2	17.8
3 2	9 42.69	+19 46.2	1.297	2.250	9.1	18.1
3 12	9 35.23	+20 21.0	1.363	2.265	13.7	18.4
3 22	9 30.71	+20 35.2	1.450	2.279	17.5	18.7
340661 2006 RW_{26}			2 16.5	147°.86	8°.3/ 7.4	17
1 12	10 31.33	+43 28.7	2.785	3.567	10.9	21.4
1 22	10 23.98	+44 26.9	2.735	3.574	9.4	21.3
2 1	10 14.38	+45 12.6	2.710	3.581	8.5	21.2
2 11	10 3.32	+45 39.0	2.711	3.587	8.3	21.2
2 21	9 51.86	+45 41.9	2.739	3.593	9.1	21.3
3 2	9 41.12	+45 20.1	2.792	3.598	10.4	21.4
3 12	9 32.08	+44 35.5	2.869	3.604	11.9	21.5
3 22	9 25.34	+43 32.3	2.966	3.609	13.4	21.6
159539 2001 PL_{3}			2 16.5	65°.80	3°.9/19.4	18
1 12	10 27.79	+ 1 34.1	2.204	2.958	14.2	19.4
1 22	10 21.09	+ 0 48.2	2.141	2.989	11.3	19.2
2 1	10 12.46	+ 0 15.9	2.102	3.020	8.1	19.1
2 11	10 2.62	− 0 3.0	2.090	3.051	5.1	18.9
2 21	9 52.43	− 0 10.0	2.109	3.082	3.9	18.9
3 2	9 42.85	− 0 7.7	2.158	3.112	5.9	19.1
3 12	9 34.70	+ 0 0.1	2.235	3.143	8.8	19.3
3 22	9 28.53	+ 0 9.8	2.338	3.173	11.5	19.6
127992 2003 HT_{48}			2 16.5	264°.15	2°.6/14.6	18
1 12	10 22.77	+15 4.5	1.564	2.393	15.7	19.9
1 22	10 18.63	+16 1.5	1.479	2.382	11.9	19.7
2 1	10 11.65	+17 11.3	1.416	2.372	7.5	19.4
2 11	10 2.53	+18 26.1	1.379	2.361	3.2	19.1
2 21	9 52.39	+19 36.7	1.370	2.350	4.3	19.1
3 2	9 42.63	+20 34.6	1.388	2.339	8.9	19.4
3 12	9 34.61	+21 13.9	1.431	2.327	13.5	19.6
3 22	9 29.28	+21 32.8	1.494	2.316	17.4	19.8
502425 2015 BN_{257}			2 16.5	324°.76	3°.0/18.9	18
1 12	10 19.75	+ 2 41.6	1.986	2.768	14.6	21.1
1 22	10 15.61	+ 2 36.6	1.897	2.765	11.6	20.9
2 1	10 9.36	+ 2 47.9	1.830	2.762	8.1	20.7
2 11	10 1.60	+ 3 13.8	1.788	2.759	4.6	20.5
2 21	9 53.17	+ 3 51.0	1.775	2.756	3.1	20.4
3 2	9 45.07	+ 4 34.9	1.790	2.754	6.0	20.5
3 12	9 38.24	+ 5 19.6	1.833	2.751	9.7	20.7
3 22	9 33.39	+ 6 0.4	1.899	2.749	13.1	21.0
237499 2000 QT_{97}			2 16.5	188°.06	0°.1/16.7	17
1 12	10 17.86	+ 9 19.2	3.036	3.823	9.9	20.9
1 22	10 13.48	+ 9 56.3	2.943	3.823	7.5	20.7
2 1	10 7.69	+10 42.2	2.875	3.821	4.8	20.5
2 11	10 0.93	+11 33.8	2.838	3.819	1.8	20.3
2 21	9 53.74	+12 27.3	2.831	3.817	1.4	20.3
3 2	9 46.77	+13 19.0	2.856	3.815	4.4	20.5
3 12	9 40.61	+14 5.2	2.911	3.811	7.2	20.7
3 22	9 35.75	+14 43.4	2.991	3.808	9.7	20.8
222252 2000 QX_{34}			2 16.5	244°.71	1°.2/17.4	18 R
1 12	10 24.84	+ 8 25.7	2.220	3.007	13.1	20.6
1 22	10 19.37	+ 8 21.5	2.114	2.991	10.2	20.4
2 1	10 11.72	+ 8 27.5	2.032	2.974	6.7	20.1
2 11	10 2.48	+ 8 41.5	1.979	2.958	2.9	19.8
2 21	9 52.46	+ 9 0.1	1.955	2.940	1.9	19.7
3 2	9 42.64	+ 9 19.8	1.961	2.922	5.8	20.0
3 12	9 34.02	+ 9 36.7	1.996	2.904	9.6	20.1
3 22	9 27.33	+ 9 47.9	2.056	2.885	13.0	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
236190 2005 WT_{38}			2 16.5	75°.14	1°.3/17.4	18
	h m	° ′			°	m
1 12	10 24.35	+ 6 53.0	1.367	2.180	18.4	20.6
1 22	10 19.70	+ 7 14.6	1.306	2.197	14.2	20.4
2 1	10 12.15	+ 7 55.6	1.266	2.214	9.2	20.2
2 11	10 2.63	+ 8 50.8	1.250	2.230	3.8	19.9
2 21	9 52.43	+ 9 52.6	1.261	2.247	2.4	19.8
3 2	9 43.00	+10 52.4	1.299	2.264	7.5	20.2
3 12	9 35.62	+11 43.1	1.361	2.280	12.3	20.5
3 22	9 31.06	+12 20.3	1.446	2.297	16.4	20.8
355928 2008 YO_{47}			2 16.5	281°.98	2°.0/15.2	16
1 12	10 22.70	+14 2.7	1.547	2.374	15.9	21.1
1 22	10 18.70	+14 46.5	1.453	2.356	12.2	20.8
2 1	10 11.79	+15 43.9	1.382	2.338	7.7	20.5
2 11	10 2.63	+16 48.1	1.336	2.319	3.0	20.2
2 21	9 52.32	+17 50.8	1.318	2.300	3.7	20.2
3 2	9 42.29	+18 43.4	1.327	2.281	8.8	20.4
3 12	9 33.96	+19 19.8	1.360	2.263	13.6	20.6
3 22	9 28.35	+19 37.4	1.414	2.244	17.8	20.8
453016 2007 QM_{16}			2 16.5	93°.11	1°.9/15.1	18
1 12	10 25.09	+13 58.1	1.620	2.441	15.7	20.8
1 22	10 19.88	+14 52.6	1.562	2.461	11.7	20.6
2 1	10 12.09	+15 57.7	1.527	2.481	7.2	20.4
2 11	10 2.58	+17 5.8	1.518	2.500	2.8	20.2
2 21	9 52.50	+18 8.8	1.538	2.519	3.5	20.3
3 2	9 43.15	+18 59.7	1.586	2.538	7.8	20.6
3 12	9 35.65	+19 34.4	1.660	2.557	11.9	20.9
3 22	9 30.67	+19 51.7	1.756	2.575	15.3	21.1
461765 2005 US_{288}			2 16.5	187°.15	2°.3/14.4	16
1 12	10 22.87	+16 54.2	2.250	3.063	12.1	22.1
1 22	10 17.77	+17 42.9	2.167	3.062	9.1	21.9
2 1	10 10.63	+18 38.1	2.110	3.062	5.7	21.7
2 11	10 2.06	+19 33.9	2.080	3.060	2.7	21.5
2 21	9 52.88	+20 24.6	2.081	3.058	3.5	21.6
3 2	9 44.05	+21 5.1	2.112	3.056	6.8	21.8
3 12	9 36.49	+21 32.2	2.170	3.053	10.2	22.0
3 22	9 30.85	+21 44.8	2.252	3.050	13.1	22.1
41835 2000 WO_{58}			2 16.5	127°.35	0°.1/16.5	18
1 12	10 24.82	+ 9 44.8	1.902	2.702	14.5	19.6
1 22	10 19.38	+10 21.0	1.831	2.717	11.0	19.4
2 1	10 11.67	+11 9.7	1.784	2.732	6.9	19.2
2 11	10 2.43	+12 6.0	1.765	2.747	2.5	18.9
2 21	9 52.63	+13 3.7	1.775	2.761	2.0	18.9
3 2	9 43.37	+13 56.5	1.815	2.774	6.4	19.2
3 12	9 35.65	+14 39.7	1.882	2.786	10.3	19.5
3 22	9 30.13	+15 10.4	1.973	2.798	13.7	19.7
462940 2011 BJ_{106}			2 16.5	157°.08	3°.1/13.1	18
1 12	10 22.45	+19 8.5	2.489	3.302	11.1	21.9
1 22	10 17.26	+20 23.6	2.415	3.310	8.3	21.7
2 1	10 10.22	+21 43.4	2.369	3.319	5.3	21.5
2 11	10 1.90	+23 1.5	2.352	3.326	3.2	21.4
2 21	9 53.05	+24 11.7	2.365	3.333	4.2	21.5
3 2	9 44.55	+25 8.8	2.410	3.339	7.0	21.6
3 12	9 37.21	+25 49.8	2.482	3.344	9.8	21.8
3 22	9 31.63	+26 14.4	2.577	3.349	12.3	22.0
466691 2014 WO_{311}			2 16.5	346°.24	0°.6/16.1	17
1 12	10 22.30	+12 27.9	1.738	2.555	14.9	21.6
1 22	10 17.83	+12 47.5	1.657	2.554	11.3	21.3
2 1	10 10.90	+13 17.9	1.600	2.553	7.1	21.1
2 11	10 2.21	+13 54.2	1.569	2.552	2.5	20.8
2 21	9 52.79	+14 30.7	1.566	2.551	2.5	20.8
3 2	9 43.83	+15 1.6	1.590	2.550	7.1	21.1
3 12	9 36.46	+15 22.6	1.641	2.549	11.3	21.3
3 22	9 31.43	+15 31.5	1.714	2.549	15.0	21.5
406036 2006 TM_{92}			2 16.5	81°.01	1°.2/17.5	18
1 12	10 23.14	+ 6 13.9	1.740	2.537	15.7	21.5
1 22	10 18.17	+ 6 46.8	1.680	2.563	12.1	21.3
2 1	10 10.91	+ 7 36.0	1.643	2.587	7.8	21.1
2 11	10 2.14	+ 8 36.7	1.632	2.612	3.3	20.9
2 21	9 52.90	+ 9 42.5	1.650	2.636	2.0	20.8
3 2	9 44.31	+10 46.2	1.697	2.660	6.3	21.2
3 12	9 37.35	+11 41.8	1.771	2.684	10.3	21.4
3 22	9 32.64	+12 25.6	1.868	2.707	13.7	21.7
98794 2000 YX_{109}			2 16.5	136°.18	0°.9/17.2	18
1 12	10 25.72	+ 8 38.6	1.838	2.635	15.0	20.2
1 22	10 20.17	+ 8 47.5	1.762	2.645	11.6	20.0
2 1	10 12.23	+ 9 9.0	1.709	2.655	7.5	19.7
2 11	10 2.66	+ 9 39.7	1.683	2.663	3.0	19.5
2 21	9 52.46	+10 14.6	1.686	2.672	2.0	19.4
3 2	9 42.78	+10 48.5	1.718	2.680	6.4	19.7
3 12	9 34.69	+11 16.7	1.777	2.687	10.5	20.0
3 22	9 28.90	+11 36.1	1.860	2.694	14.0	20.2

324574 2006 WX_{190} 2 16.5 102°.50 7°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 24.68	+29 4.6	1.809	2.641	13.8	20.3
1 22	10 19.73	+30 44.3	1.755	2.651	10.8	20.1
2 1	10 12.10	+32 20.8	1.726	2.661	8.3	20.0
2 11	10 2.64	+33 43.6	1.724	2.671	7.4	20.0
2 21	9 52.49	+34 44.0	1.748	2.680	8.7	20.0
3 2	9 43.00	+35 17.0	1.799	2.690	11.3	20.2
3 12	9 35.35	+35 22.2	1.873	2.699	14.1	20.4
3 22	9 30.28	+35 3.0	1.966	2.708	16.6	20.6

248977 2007 DL_{109} 2 16.5 86°.21 1°.8/14.9 18

1 12	10 21.53	+ 3 12.3	1.042	1.868	22.0	19.6
1 22	10 18.54	+ 6 15.5	0.979	1.881	16.7	19.3
2 1	10 11.98	+10 3.2	0.937	1.893	10.3	19.0
2 11	10 2.76	+14 17.6	0.921	1.905	3.4	18.7
2 21	9 52.36	+18 31.4	0.935	1.917	4.8	18.8
3 2	9 42.68	+22 17.2	0.976	1.929	11.3	19.2
3 12	9 35.46	+25 17.2	1.042	1.941	17.1	19.5
3 22	9 31.75	+27 26.9	1.127	1.952	21.7	19.9

496375 2013 SC_{43} 2 16.6 139°.48 2°.4/14.3 18

1 12	10 21.66	+17 4.6	2.142	2.960	12.5	21.5
1 22	10 16.91	+17 55.3	2.067	2.965	9.3	21.3
2 1	10 10.10	+18 52.3	2.017	2.970	5.8	21.1
2 11	10 1.89	+19 49.7	1.996	2.975	2.8	20.9
2 21	9 53.11	+20 41.3	2.004	2.980	3.6	20.9
3 2	9 44.76	+21 22.0	2.041	2.985	7.0	21.1
3 12	9 37.73	+21 48.5	2.105	2.989	10.4	21.4
3 22	9 32.66	+22 0.1	2.192	2.993	13.3	21.6

384845 2012 ST_{7} 2 16.6 72°.21 0°.9/17.4 18

1 12	10 18.50	+ 6 53.8	2.259	3.052	12.7	21.0
1 22	10 14.32	+ 7 24.2	2.186	3.067	9.7	20.9
2 1	10 8.36	+ 8 7.2	2.138	3.082	6.3	20.7
2 11	10 1.23	+ 8 59.1	2.117	3.097	2.6	20.5
2 21	9 53.66	+ 9 55.3	2.126	3.112	1.6	20.4
3 2	9 46.48	+10 50.6	2.164	3.127	5.2	20.7
3 12	9 40.47	+11 40.2	2.231	3.142	8.6	20.9
3 22	9 36.16	+12 20.8	2.322	3.157	11.5	21.1

52617 1997 VH_{1} 2 16.6 100°.62 3°.8/19.1 18

1 12	10 25.58	+ 2 39.6	1.869	2.643	15.7	19.5
1 22	10 20.03	+ 2 5.9	1.790	2.652	12.5	19.3
2 1	10 12.15	+ 1 47.4	1.733	2.661	8.8	19.1
2 11	10 2.65	+ 1 43.6	1.703	2.670	5.2	18.9
2 21	9 52.51	+ 1 52.2	1.700	2.678	3.9	18.9
3 2	9 42.86	+ 2 9.5	1.727	2.687	6.5	19.0
3 12	9 34.73	+ 2 30.7	1.780	2.695	10.2	19.3
3 22	9 28.84	+ 2 51.4	1.858	2.703	13.5	19.5

138527 2000 OJ_{20} 2 16.6 155°.68 4°.4/21.1 17

1 12	10 20.82	− 4 18.6	2.909	3.629	11.8	20.5
1 22	10 15.73	− 4 44.9	2.816	3.635	9.8	20.4
2 1	10 9.13	− 4 57.2	2.747	3.641	7.5	20.2
2 11	10 1.50	− 4 55.6	2.705	3.647	5.4	20.1
2 21	9 53.43	− 4 41.0	2.693	3.652	4.4	20.1
3 2	9 45.60	− 4 16.1	2.710	3.657	5.4	20.1
3 12	9 38.66	− 3 44.3	2.757	3.661	7.4	20.3
3 22	9 33.12	− 3 9.5	2.830	3.665	9.7	20.4

206982 2004 TU_{126} 2 16.6 232°.06 0°.3/16.3 18

1 12	10 23.24	+ 9 26.8	1.841	2.645	14.7	20.9
1 22	10 18.62	+10 15.1	1.744	2.633	11.3	20.6
2 1	10 11.50	+11 19.4	1.670	2.620	7.2	20.3
2 11	10 2.50	+12 34.7	1.624	2.606	2.6	20.0
2 21	9 52.56	+13 53.7	1.606	2.592	2.3	20.0
3 2	9 42.85	+15 8.4	1.618	2.577	7.1	20.2
3 12	9 34.56	+16 12.0	1.657	2.561	11.5	20.4
3 22	9 28.55	+17 0.5	1.719	2.544	15.4	20.7

151924 2004 EW_{107} 2 16.6 192°.50 0°.2/16.4 18

1 12	10 24.67	+10 23.0	1.445	2.264	17.3	21.2
1 22	10 20.12	+10 50.4	1.368	2.264	13.2	20.9
2 1	10 12.60	+11 33.7	1.311	2.264	8.4	20.6
2 11	10 2.91	+12 27.2	1.280	2.263	3.0	20.3
2 21	9 52.28	+13 23.4	1.276	2.262	2.6	20.3
3 2	9 42.19	+14 14.2	1.299	2.261	8.0	20.6
3 12	9 34.03	+14 53.2	1.347	2.260	12.9	20.9
3 22	9 28.70	+15 17.1	1.416	2.258	17.1	21.1

309394 2007 TB_{194} 2 16.6 214°.30 0°.5/16.2 18

1 12	10 25.62	+12 5.0	1.868	2.674	14.5	21.3
1 22	10 20.28	+12 26.6	1.778	2.668	11.0	21.1
2 1	10 12.46	+12 59.0	1.712	2.662	7.0	20.8
2 11	10 2.82	+13 37.5	1.672	2.655	2.5	20.5
2 21	9 52.36	+14 16.5	1.662	2.647	2.3	20.5
3 2	9 42.27	+14 50.4	1.681	2.639	6.9	20.7
3 12	9 33.69	+15 14.6	1.727	2.630	11.2	21.0
3 22	9 27.43	+15 27.1	1.796	2.620	14.8	21.2

357517 2004 RX_{85} 2 16.6 69°.12 2°.4/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.07	+ 3 32.9	1.382	2.186	18.8	20.6
1 22	10 18.68	+ 3 56.3	1.323	2.206	14.6	20.3
2 1	10 11.50	+ 4 42.5	1.284	2.226	9.8	20.1
2 11	10 2.44	+ 5 47.1	1.270	2.246	4.8	19.9
2 21	9 52.74	+ 7 2.4	1.282	2.267	2.9	19.8
3 2	9 43.80	+ 8 19.0	1.321	2.287	7.3	20.1
3 12	9 36.85	+ 9 28.5	1.385	2.307	11.9	20.4
3 22	9 32.60	+10 24.8	1.472	2.327	15.8	20.7

340824 2006 UN_{147} 2 16.6 98°.22 1°.8/18.9 18

1 12	10 17.93	+ 0 45.4	2.559	3.320	12.3	20.8
1 22	10 13.70	+ 1 49.3	2.480	3.338	9.6	20.6
2 1	10 7.91	+ 3 9.9	2.426	3.356	6.5	20.5
2 11	10 1.06	+ 4 43.6	2.400	3.373	3.4	20.3
2 21	9 53.82	+ 6 24.8	2.406	3.390	2.0	20.2
3 2	9 46.89	+ 8 7.2	2.444	3.407	4.6	20.4
3 12	9 40.97	+ 9 44.4	2.512	3.424	7.7	20.6
3 22	9 36.54	+11 11.7	2.607	3.440	10.5	20.8

156511 2002 CS_{183} 2 16.6 117°.92 0°.9/15.8 18

1 12	10 22.82	+13 10.8	2.021	2.831	13.4	20.8
1 22	10 17.83	+13 40.1	1.946	2.839	10.1	20.6
2 1	10 10.70	+14 18.3	1.896	2.848	6.3	20.3
2 11	10 2.13	+15 0.5	1.873	2.856	2.3	20.1
2 21	9 53.00	+15 41.2	1.880	2.864	2.4	20.1
3 2	9 44.34	+16 15.5	1.916	2.872	6.4	20.4
3 12	9 37.09	+16 39.7	1.979	2.879	10.1	20.6
3 22	9 31.89	+16 52.1	2.066	2.886	13.3	20.8

265681 2005 UO_{75} 2 16.6 157°.27 3°.4/19.2 18

1 12	10 24.63	+ 1 53.0	2.233	2.993	13.8	21.3
1 22	10 19.01	+ 1 31.9	2.145	2.999	11.1	21.1
2 1	10 11.39	+ 1 24.7	2.081	3.005	7.9	20.9
2 11	10 2.38	+ 1 30.7	2.044	3.010	4.7	20.8
2 21	9 52.78	+ 1 47.6	2.037	3.014	3.4	20.7
3 2	9 43.55	+ 2 12.0	2.059	3.018	5.8	20.8
3 12	9 35.56	+ 2 39.5	2.110	3.022	9.0	21.0
3 22	9 29.46	+ 3 6.1	2.187	3.025	12.0	21.2

230077 2000 VG_{7} 2 16.6 115°.10 0°.7/17.2 18

1 12	10 21.51	+ 8 12.1	2.030	2.828	13.8	21.1
1 22	10 16.83	+ 8 34.2	1.953	2.836	10.6	20.9
2 1	10 10.07	+ 9 9.0	1.899	2.844	6.8	20.7
2 11	10 1.90	+ 9 52.8	1.872	2.852	2.7	20.4
2 21	9 53.17	+10 40.5	1.874	2.860	1.8	20.4
3 2	9 44.87	+11 26.9	1.906	2.868	5.8	20.7
3 12	9 37.91	+12 7.1	1.965	2.876	9.6	20.9
3 22	9 32.92	+12 37.8	2.049	2.883	12.9	21.1

179867 2002 TS_{281} 2 16.6 84°.53 0°.8/17.2 18

1 12	10 25.19	+ 8 43.1	1.735	2.537	15.6	20.7
1 22	10 19.77	+ 8 54.2	1.672	2.558	11.9	20.5
2 1	10 11.96	+ 9 18.5	1.632	2.578	7.6	20.3
2 11	10 2.57	+ 9 51.9	1.618	2.598	3.0	20.0
2 21	9 52.68	+10 29.1	1.632	2.618	2.0	20.0
3 2	9 43.46	+11 4.5	1.676	2.638	6.4	20.3
3 12	9 35.93	+11 33.4	1.746	2.658	10.5	20.6
3 22	9 30.75	+11 52.9	1.839	2.677	14.0	20.9

325290 2008 HH_{13} 2 16.6 162°.80 5°.6/12.1 18

1 12	10 27.19	+26 39.7	1.977	2.799	13.1	21.3
1 22	10 21.37	+27 33.7	1.907	2.802	10.2	21.1
2 1	10 13.04	+28 25.9	1.863	2.805	7.2	20.9
2 11	10 3.00	+29 8.5	1.846	2.807	5.6	20.8
2 21	9 52.32	+29 34.9	1.857	2.809	6.7	20.9
3 2	9 42.25	+29 40.8	1.896	2.811	9.5	21.1
3 12	9 33.88	+29 26.0	1.960	2.812	12.5	21.3
3 22	9 27.93	+28 52.7	2.046	2.814	15.2	21.4

261456 2005 VB_{60} 2 16.6 131°.97 1°.3/15.4 18

1 12	10 22.44	+13 23.0	2.206	3.012	12.5	21.6
1 22	10 17.38	+14 11.5	2.134	3.025	9.4	21.4
2 1	10 10.34	+15 8.6	2.086	3.038	5.8	21.2
2 11	10 1.99	+16 9.0	2.067	3.050	2.2	20.9
2 21	9 53.13	+17 6.9	2.079	3.061	2.6	21.0
3 2	9 44.70	+17 57.1	2.120	3.072	6.2	21.3
3 12	9 37.57	+18 35.6	2.190	3.082	9.6	21.5
3 22	9 32.32	+19 0.8	2.283	3.092	12.6	21.7

334610 2002 TG_{376} 2 16.6 219°.88 5°.1/13.1 18

1 12	10 29.61	+22 45.9	1.668	2.493	15.1	21.2
1 22	10 23.78	+23 43.3	1.586	2.485	11.6	21.0
2 1	10 14.90	+24 44.3	1.528	2.477	7.8	20.7
2 11	10 3.78	+25 39.5	1.496	2.467	5.2	20.6
2 21	9 51.65	+26 19.9	1.493	2.457	6.5	20.6
3 2	9 40.04	+26 39.4	1.516	2.447	10.2	20.8
3 12	9 30.37	+26 35.7	1.565	2.435	14.1	21.0
3 22	9 23.57	+26 11.0	1.635	2.423	17.6	21.2

162786 2000 YT_{21} 2 16.6 68°.72 9°.3/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 32.44	+31 55.8	1.430	2.262	16.7	19.4
1 22	10 25.83	+33 35.0	1.403	2.295	13.3	19.3
2 1	10 15.92	+35 3.8	1.399	2.328	10.4	19.2
2 11	10 3.98	+36 9.4	1.420	2.361	9.3	19.2
2 21	9 51.68	+36 43.4	1.467	2.394	10.5	19.4
3 2	9 40.74	+36 43.6	1.538	2.426	13.1	19.6
3 12	9 32.46	+36 13.6	1.631	2.457	15.8	19.9
3 22	9 27.46	+35 20.1	1.743	2.489	18.3	20.1

401323 2013 AY_{22} 2 16.6 238°.41 0°.9/15.9 18

1 12	10 23.33	+10 52.8	1.799	2.608	14.8	21.3
1 22	10 18.77	+11 44.4	1.703	2.595	11.3	21.0
2 1	10 11.66	+12 51.4	1.629	2.581	7.2	20.7
2 11	10 2.61	+14 8.0	1.583	2.566	2.5	20.4
2 21	9 52.58	+15 26.6	1.566	2.551	2.7	20.4
3 2	9 42.78	+16 39.1	1.578	2.535	7.5	20.6
3 12	9 34.44	+17 38.7	1.617	2.518	11.9	20.9
3 22	9 28.44	+18 21.8	1.678	2.501	15.8	21.1

282212 2001 XG_{26} 2 16.6 87°.80 10°.0/ 7.4 18

1 12	10 28.80	+31 55.8	1.544	2.377	15.7	19.2
1 22	10 23.33	+34 43.3	1.514	2.405	12.6	19.1
2 1	10 14.59	+37 21.7	1.510	2.432	10.4	19.0
2 11	10 3.62	+39 35.4	1.533	2.459	10.1	19.0
2 21	9 51.89	+41 13.1	1.583	2.485	11.7	19.2
3 2	9 41.10	+42 10.1	1.656	2.510	14.2	19.4
3 12	9 32.69	+42 28.8	1.751	2.535	16.6	19.6
3 22	9 27.44	+42 15.6	1.862	2.559	18.8	19.9

48437 1989 VM_{1} 2 16.6 114°.48 0°.3/16.3 18

1 12	10 25.32	+ 9 11.9	1.552	2.362	16.7	20.2
1 22	10 20.23	+10 5.8	1.487	2.379	12.7	20.0
2 1	10 12.45	+11 16.4	1.445	2.395	8.0	19.8
2 11	10 2.82	+12 36.8	1.429	2.411	2.8	19.5
2 21	9 52.52	+13 58.2	1.441	2.427	2.5	19.5
3 2	9 42.89	+15 11.8	1.482	2.441	7.5	19.8
3 12	9 35.13	+16 11.2	1.549	2.455	12.0	20.1
3 22	9 29.97	+16 53.1	1.638	2.469	15.7	20.4

76445 2000 FO_{32} 2 16.6 175°.42 3°.9/12.8 18

1 12	10 23.23	+23 46.0	2.462	3.279	11.0	19.1
1 22	10 17.92	+24 30.4	2.386	3.281	8.4	18.9
2 1	10 10.68	+25 15.1	2.335	3.282	5.7	18.8
2 11	10 2.13	+25 54.5	2.314	3.282	3.9	18.7
2 21	9 53.07	+26 23.6	2.322	3.283	4.8	18.7
3 2	9 44.42	+26 38.7	2.359	3.283	7.4	18.9
3 12	9 37.01	+26 38.5	2.423	3.283	10.1	19.1
3 22	9 31.45	+26 23.7	2.511	3.283	12.6	19.2

404652 2014 HQ_{42} 2 16.6 219°.17 2°.9/18.7 18

1 12	10 24.63	+ 2 36.8	1.861	2.637	15.7	22.4
1 22	10 19.61	+ 2 44.5	1.762	2.628	12.5	22.2
2 1	10 12.12	+ 3 10.7	1.685	2.618	8.7	21.9
2 11	10 2.77	+ 3 53.7	1.635	2.607	4.7	21.7
2 21	9 52.50	+ 4 49.2	1.613	2.595	3.1	21.5
3 2	9 42.48	+ 5 51.3	1.620	2.583	6.6	21.7
3 12	9 33.86	+ 6 52.8	1.654	2.569	10.8	21.9
3 22	9 27.50	+ 7 47.9	1.713	2.555	14.6	22.1

418324 2008 FU_{124} 2 16.6 136°.85 4°.6/12.4 18

1 12	10 24.42	+23 28.2	2.078	2.901	12.6	21.4
1 22	10 19.12	+24 36.2	2.012	2.910	9.6	21.3
2 1	10 11.56	+25 45.6	1.972	2.919	6.5	21.1
2 11	10 2.47	+26 48.7	1.960	2.928	4.7	21.0
2 21	9 52.81	+27 38.6	1.977	2.936	5.8	21.1
3 2	9 43.67	+28 10.5	2.023	2.943	8.6	21.3
3 12	9 36.04	+28 22.7	2.094	2.951	11.6	21.5
3 22	9 30.58	+28 16.4	2.187	2.957	14.3	21.7

19601 1999 ND_{42} 2 16.6 197°.03 0°.1/16.7 18

1 12	10 18.45	+ 9 57.7	2.998	3.787	10.0	20.1
1 22	10 13.99	+10 24.6	2.904	3.785	7.6	20.0
2 1	10 8.07	+10 59.7	2.835	3.781	4.8	19.8
2 11	10 1.17	+11 39.9	2.796	3.778	1.8	19.5
2 21	9 53.83	+12 21.9	2.788	3.774	1.4	19.5
3 2	9 46.71	+13 2.2	2.811	3.769	4.4	19.7
3 12	9 40.42	+13 37.4	2.863	3.765	7.3	19.9
3 22	9 35.46	+14 5.5	2.941	3.760	9.8	20.1

75083 1999 VV_{26} 2 16.6 155°.85 0°.6/17.1 18

1 12	10 24.16	+ 8 16.7	2.113	2.903	13.6	20.0
1 22	10 18.77	+ 8 40.9	2.031	2.911	10.4	19.8
2 1	10 11.30	+ 9 17.5	1.974	2.919	6.7	19.6
2 11	10 2.38	+10 2.6	1.945	2.926	2.7	19.4
2 21	9 52.88	+10 51.4	1.946	2.932	1.8	19.3
3 2	9 43.79	+11 38.5	1.977	2.937	5.8	19.6
3 12	9 36.04	+12 19.3	2.036	2.942	9.5	19.8
3 22	9 30.27	+12 50.6	2.119	2.946	12.8	20.0

294268 2007 UY_{95} 2 16.6 235°.11 0°.3/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 20.10	+11 30.4	2.414	3.215	11.8	21.5
1 22	10 15.60	+11 57.5	2.319	3.207	8.9	21.3
2 1	10 9.28	+12 33.7	2.250	3.199	5.6	21.0
2 11	10 1.65	+13 15.4	2.209	3.191	2.0	20.8
2 21	9 53.44	+13 58.1	2.198	3.183	1.8	20.7
3 2	9 45.49	+14 37.3	2.217	3.175	5.5	21.0
3 12	9 38.61	+15 9.2	2.264	3.166	8.9	21.2
3 22	9 33.40	+15 31.4	2.336	3.157	11.9	21.4

420784 2013 GS_{87} 2 16.6 138°.60 0°.4/16.1 18

1 12	10 23.00	+10 37.8	2.493	3.284	11.7	22.4
1 22	10 17.56	+11 25.2	2.419	3.301	8.8	22.2
2 1	10 10.37	+12 22.1	2.370	3.317	5.5	22.0
2 11	10 2.00	+13 24.0	2.351	3.333	1.9	21.8
2 21	9 53.20	+14 25.8	2.362	3.347	1.8	21.8
3 2	9 44.78	+15 22.5	2.406	3.361	5.3	22.1
3 12	9 37.51	+16 10.2	2.478	3.373	8.5	22.3
3 22	9 31.92	+16 46.8	2.576	3.385	11.3	22.5

204244 2004 DN_{54} 2 16.6 58°.13 0°.2/16.4 18

1 12	10 19.40	+10 10.7	2.016	2.824	13.5	20.6
1 22	10 15.23	+10 46.6	1.947	2.838	10.2	20.4
2 1	10 9.06	+11 34.0	1.903	2.853	6.4	20.2
2 11	10 1.55	+12 28.2	1.885	2.867	2.3	19.9
2 21	9 53.56	+13 23.6	1.896	2.882	1.9	19.9
3 2	9 46.04	+14 14.5	1.937	2.897	6.0	20.2
3 12	9 39.85	+14 56.4	2.005	2.912	9.6	20.5
3 22	9 35.57	+15 26.5	2.096	2.927	12.7	20.7

298917 2004 TO_{107} 2 16.6 150°.58 2°.3/18.4 18

1 12	10 23.54	+ 3 21.4	1.828	2.610	15.7	21.7
1 22	10 18.61	+ 3 45.1	1.748	2.619	12.3	21.4
2 1	10 11.35	+ 4 27.4	1.690	2.626	8.3	21.2
2 11	10 2.43	+ 5 25.2	1.658	2.633	4.2	21.0
2 21	9 52.84	+ 6 33.1	1.655	2.639	2.6	20.9
3 2	9 43.68	+ 7 43.9	1.681	2.645	6.3	21.1
3 12	9 36.03	+ 8 50.6	1.735	2.650	10.4	21.4
3 22	9 30.59	+ 9 47.8	1.813	2.655	14.0	21.6

287108 2002 RZ_{153} 2 16.6 81°.46 0°.1/16.6 18

1 12	10 25.35	+ 9 50.7	1.720	2.525	15.6	21.5
1 22	10 19.86	+10 18.8	1.663	2.552	11.8	21.4
2 1	10 12.00	+10 59.6	1.629	2.578	7.4	21.2
2 11	10 2.61	+11 47.9	1.622	2.604	2.7	20.9
2 21	9 52.77	+12 37.3	1.644	2.630	2.1	20.9
3 2	9 43.66	+13 21.7	1.695	2.655	6.6	21.3
3 12	9 36.27	+13 56.6	1.772	2.680	10.6	21.6
3 22	9 31.24	+14 19.5	1.872	2.704	14.0	21.8

212637 2006 TC_{110} 2 16.6 171°.67 3°.4/20.7 18

1 12	10 16.68	− 3 2.8	2.724	3.464	12.1	20.8
1 22	10 12.79	− 2 37.5	2.628	3.466	9.8	20.6
2 1	10 7.39	− 1 55.4	2.556	3.467	7.2	20.5
2 11	10 0.94	− 0 57.9	2.511	3.468	4.7	20.3
2 21	9 54.04	+ 0 11.9	2.495	3.469	3.4	20.2
3 2	9 47.37	+ 1 29.2	2.510	3.470	4.8	20.3
3 12	9 41.58	+ 2 48.7	2.555	3.470	7.4	20.5
3 22	9 37.18	+ 4 5.1	2.626	3.471	10.0	20.6

115942 2003 WR_{29} 2 16.6 283°.61 1°.5/15.6 18

1 12	10 25.04	+14 25.6	1.659	2.479	15.4	19.7
1 22	10 20.41	+14 46.7	1.556	2.454	11.8	19.4
2 1	10 12.91	+15 18.2	1.476	2.430	7.5	19.1
2 11	10 3.16	+15 54.7	1.422	2.405	2.8	18.8
2 21	9 52.21	+16 29.8	1.396	2.380	3.2	18.7
3 2	9 41.45	+16 56.7	1.398	2.354	8.2	19.0
3 12	9 32.29	+17 10.9	1.425	2.329	13.0	19.2
3 22	9 25.77	+17 10.2	1.474	2.303	17.2	19.4

321418 2009 QQ_{16} 2 16.6 165°.33 3°.8/13.6 18

1 12	10 27.43	+22 49.7	2.128	2.944	12.6	20.7
1 22	10 21.32	+23 23.3	2.053	2.947	9.6	20.5
2 1	10 12.93	+23 57.6	2.003	2.950	6.4	20.3
2 11	10 2.99	+24 26.3	1.981	2.953	4.0	20.2
2 21	9 52.47	+24 44.0	1.988	2.955	4.9	20.3
3 2	9 42.49	+24 47.0	2.025	2.957	7.9	20.4
3 12	9 34.05	+24 34.3	2.089	2.959	11.1	20.6
3 22	9 27.82	+24 7.1	2.176	2.960	13.9	20.8

35619 1998 HT_{149} 2 16.6 198°.89 4°.1/12.6 18

1 12	10 23.70	+23 40.6	2.367	3.185	11.4	18.5
1 22	10 18.42	+24 35.5	2.287	3.182	8.7	18.3
2 1	10 11.09	+25 31.7	2.233	3.179	5.9	18.1
2 11	10 2.33	+26 22.6	2.208	3.175	4.2	18.0
2 21	9 52.97	+27 2.5	2.212	3.171	5.2	18.1
3 2	9 43.99	+27 27.2	2.245	3.167	7.9	18.2
3 12	9 36.28	+27 34.8	2.305	3.162	10.7	18.4
3 22	9 30.51	+27 26.0	2.388	3.156	13.3	18.6

339467 2005 EW_{243} 2 16.6 167°.43 3°.1/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.36	+21 37.0	2.488	3.303	11.0	21.2
1 22	10 17.97	+22 12.5	2.410	3.305	8.3	21.0
2 1	10 10.69	+22 49.5	2.359	3.307	5.4	20.8
2 11	10 2.15	+23 22.9	2.336	3.310	3.3	20.7
2 21	9 53.13	+23 48.0	2.343	3.311	4.1	20.7
3 2	9 44.50	+24 1.5	2.379	3.313	6.8	20.9
3 12	9 37.09	+24 1.6	2.443	3.314	9.7	21.1
3 22	9 31.48	+23 48.6	2.531	3.315	12.2	21.3

221231 2005 UP_{160} 2 16.6 107°.43 3°.7/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.62	− 1 57.0	2.092	2.847	14.8	21.2
1 22	10 16.07	− 1 36.3	2.016	2.864	11.9	21.0
2 1	10 9.57	− 0 55.5	1.962	2.881	8.6	20.9
2 11	10 1.76	+ 0 3.4	1.935	2.897	5.3	20.7
2 21	9 53.45	+ 1 15.7	1.936	2.913	3.7	20.6
3 2	9 45.57	+ 2 35.4	1.968	2.929	5.7	20.8
3 12	9 38.96	+ 3 55.3	2.027	2.944	9.0	21.0
3 22	9 34.22	+ 5 9.5	2.112	2.959	12.0	21.2

91373 1999 JQ_{98} 2 16.6 241°.81 1°.8/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.45	+ 3 26.7	2.184	2.963	13.5	20.6
1 22	10 15.36	+ 4 1.9	2.082	2.951	10.7	20.4
2 1	10 9.27	+ 4 54.5	2.003	2.939	7.2	20.2
2 11	10 1.71	+ 6 1.7	1.951	2.927	3.5	19.9
2 21	9 53.44	+ 7 18.6	1.929	2.914	2.1	19.8
3 2	9 45.35	+ 8 38.8	1.937	2.900	5.6	20.0
3 12	9 38.37	+ 9 55.7	1.973	2.886	9.4	20.2
3 22	9 33.20	+11 3.9	2.034	2.872	12.8	20.4

245050 2004 FA_{79} 2 16.6 303°.66 0°.2/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.04	+11 9.3	2.172	2.979	12.7	21.3
1 22	10 15.03	+11 33.7	2.078	2.969	9.6	21.1
2 1	10 9.03	+12 8.4	2.009	2.959	6.1	20.8
2 11	10 1.61	+12 49.7	1.967	2.950	2.2	20.6
2 21	9 53.55	+13 32.6	1.955	2.940	1.9	20.5
3 2	9 45.75	+14 12.3	1.971	2.931	5.9	20.8
3 12	9 39.13	+14 44.5	2.015	2.921	9.6	21.0
3 22	9 34.33	+15 6.5	2.082	2.912	12.9	21.2

453278 2008 TY_{41} 2 16.6 245°.52 6°.1/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.77	− 2 27.4	1.576	2.344	18.4	22.4
1 22	10 19.36	− 3 0.7	1.484	2.336	15.2	22.1
2 1	10 12.17	− 3 11.5	1.412	2.328	11.5	21.9
2 11	10 2.86	− 2 58.4	1.364	2.320	7.8	21.7
2 21	9 52.51	− 2 22.9	1.341	2.312	6.1	21.5
3 2	9 42.46	− 1 30.1	1.345	2.304	8.2	21.6
3 12	9 34.04	− 0 28.2	1.375	2.295	12.1	21.8
3 22	9 28.22	+ 0 34.5	1.427	2.286	16.1	22.0

21653 Davidwang 2 16.6 166°.07 7°.5/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.80	−15 7.0	2.704	3.358	14.0	19.3
1 22	10 15.96	−15 41.4	2.610	3.363	12.3	19.2
2 1	10 9.44	−15 55.4	2.536	3.368	10.4	19.0
2 11	10 1.73	−15 47.3	2.486	3.372	8.6	18.9
2 21	9 53.48	−15 17.3	2.462	3.375	7.6	18.8
3 2	9 45.47	−14 27.7	2.466	3.378	7.7	18.9
3 12	9 38.43	−13 23.5	2.497	3.380	9.0	18.9
3 22	9 32.93	−12 10.7	2.554	3.382	10.8	19.1

133414 2003 SU_{180} 2 16.6 163°.73 1°.0/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.01	+12 54.9	2.036	2.840	13.5	21.7
1 22	10 19.55	+13 33.0	1.956	2.846	10.2	21.5
2 1	10 11.87	+14 20.8	1.901	2.852	6.4	21.3
2 11	10 2.64	+15 13.0	1.874	2.856	2.3	21.0
2 21	9 52.78	+16 3.7	1.877	2.860	2.5	21.0
3 2	9 43.36	+16 47.3	1.910	2.864	6.6	21.3
3 12	9 35.36	+17 19.7	1.970	2.866	10.3	21.5
3 22	9 29.47	+17 39.1	2.054	2.868	13.6	21.7

101252 1998 SO_{92} 2 16.6 117°.82 1°.4/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.60	+ 6 12.5	1.819	2.615	15.2	20.2
1 22	10 17.90	+ 6 31.1	1.743	2.623	11.8	20.0
2 1	10 10.90	+ 7 5.4	1.689	2.632	7.8	19.8
2 11	10 2.30	+ 7 51.9	1.661	2.640	3.5	19.5
2 21	9 53.06	+ 8 45.2	1.662	2.648	2.1	19.5
3 2	9 44.29	+ 9 39.0	1.691	2.655	6.2	19.7
3 12	9 37.03	+10 27.5	1.748	2.663	10.3	20.0
3 22	9 31.96	+11 6.4	1.828	2.670	13.9	20.2

150370 2000 CG_{65} 2 16.6 216°.76 0°.8/15.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.49	+12 29.4	1.944	2.753	13.9	19.6
1 22	10 18.60	+12 58.5	1.856	2.748	10.6	19.4
2 1	10 11.39	+13 38.0	1.792	2.743	6.6	19.2
2 11	10 2.50	+14 23.2	1.755	2.737	2.4	18.9
2 21	9 52.87	+15 8.2	1.747	2.732	2.4	18.9
3 2	9 43.60	+15 47.4	1.768	2.725	6.7	19.1
3 12	9 35.74	+16 16.4	1.817	2.719	10.8	19.3
3 22	9 30.05	+16 32.9	1.888	2.712	14.2	19.6

66255 1999 GP_{31} 2 16.6 268°.46 0°.4/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.80	+ 8 45.3	1.671	2.480	15.8	20.0
1 22	10 18.61	+ 9 12.5	1.571	2.461	12.3	19.8
2 1	10 11.71	+ 9 56.4	1.493	2.442	7.9	19.5
2 11	10 2.72	+10 52.8	1.440	2.422	3.1	19.1
2 21	9 52.63	+11 55.5	1.416	2.402	2.2	19.0
3 2	9 42.74	+12 56.7	1.419	2.382	7.4	19.3
3 12	9 34.35	+13 49.2	1.449	2.361	12.2	19.5
3 22	9 28.44	+14 28.6	1.500	2.340	16.5	19.7

54551 2000 QX_{87} 2 16.6 347°.43 1°.0/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.73	+10 49.6	1.852	2.659	14.6	17.7
1 22	10 18.82	+10 21.3	1.764	2.652	11.2	17.4
2 1	10 11.54	+10 1.2	1.698	2.646	7.3	17.2
2 11	10 2.55	+ 9 47.2	1.660	2.641	3.0	16.9
2 21	9 52.85	+ 9 36.7	1.650	2.636	2.0	16.8
3 2	9 43.56	+ 9 26.7	1.668	2.632	6.4	17.1
3 12	9 35.76	+ 9 14.5	1.714	2.629	10.5	17.3
3 22	9 30.21	+ 8 58.0	1.782	2.626	14.1	17.6

88893 2001 SE_{306} 2 16.6 354°.27 2°.7/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.59	+18 18.5	1.655	2.490	14.7	18.5
1 22	10 16.74	+18 38.6	1.578	2.484	11.1	18.3
2 1	10 10.34	+19 4.1	1.524	2.480	7.0	18.0
2 11	10 2.13	+19 28.9	1.495	2.476	3.3	17.8
2 21	9 53.19	+19 47.1	1.494	2.473	4.1	17.8
3 2	9 44.77	+19 53.8	1.519	2.471	8.1	18.0
3 12	9 38.03	+19 46.2	1.569	2.471	12.2	18.3
3 22	9 33.71	+19 24.4	1.641	2.471	15.7	18.5

146372 2001 QE_{2} 2 16.6 170°.98 2°.8/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.35	+ 1 40.4	2.339	3.100	13.3	20.8
1 22	10 17.28	+ 1 46.7	2.249	3.104	10.5	20.6
2 1	10 10.33	+ 2 8.1	2.182	3.108	7.4	20.4
2 11	10 2.07	+ 2 42.9	2.142	3.111	4.2	20.2
2 21	9 53.25	+ 3 27.8	2.132	3.113	2.9	20.1
3 2	9 44.73	+ 4 18.3	2.153	3.114	5.3	20.3
3 12	9 37.34	+ 5 9.3	2.202	3.115	8.6	20.5
3 22	9 31.71	+ 5 56.4	2.277	3.115	11.6	20.7

348266 2004 TV_{295} 2 16.6 96°.74 2°.0/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.37	+15 0.3	1.614	2.433	15.8	21.4
1 22	10 21.64	+15 42.5	1.556	2.454	11.8	21.2
2 1	10 13.26	+16 33.6	1.521	2.475	7.3	21.0
2 11	10 3.14	+17 26.6	1.513	2.495	2.9	20.8
2 21	9 52.47	+18 13.8	1.533	2.515	3.5	20.9
3 2	9 42.57	+18 49.3	1.582	2.534	7.9	21.2
3 12	9 34.61	+19 9.6	1.656	2.553	11.9	21.5
3 22	9 29.25	+19 14.2	1.753	2.571	15.4	21.7

358104 2006 KR_{86} 2 16.6 276°.08 4°.6/12.0 13 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.10	+16 28.3	1.667	2.498	14.8	21.2
1 22	10 17.57	+18 40.8	1.569	2.474	11.2	20.9
2 1	10 11.23	+21 12.3	1.496	2.450	7.3	20.7
2 11	10 2.62	+23 51.4	1.451	2.426	4.6	20.4
2 21	9 52.69	+26 24.1	1.436	2.401	6.6	20.5
3 2	9 42.80	+28 36.7	1.450	2.376	10.9	20.7
3 12	9 34.38	+30 20.2	1.489	2.351	15.2	20.9
3 22	9 28.55	+31 31.6	1.548	2.326	18.9	21.0

152059 2004 PB_{75} 2 16.6 213°.07 1°.4/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.96	+13 14.5	2.027	2.841	13.2	20.6
1 22	10 16.60	+14 2.8	1.943	2.838	10.0	20.4
2 1	10 10.08	+15 1.6	1.882	2.835	6.2	20.1
2 11	10 2.02	+16 5.3	1.849	2.832	2.3	19.9
2 21	9 53.29	+17 7.4	1.846	2.829	2.8	19.9
3 2	9 44.89	+18 1.9	1.872	2.825	6.8	20.1
3 12	9 37.81	+18 44.0	1.924	2.821	10.5	20.3
3 22	9 32.75	+19 11.5	2.000	2.817	13.8	20.5

135066 2001 PS_{23} 2 16.6 174°.89 1°.4/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.92	+ 6 33.3	2.561	3.341	11.8	20.3
1 22	10 16.05	+ 6 36.0	2.471	3.342	9.1	20.1
2 1	10 9.48	+ 6 49.1	2.405	3.344	6.1	19.9
2 11	10 1.75	+ 7 10.4	2.368	3.344	2.8	19.7
2 21	9 53.53	+ 7 37.1	2.360	3.345	1.8	19.6
3 2	9 45.59	+ 8 5.5	2.383	3.345	4.8	19.8
3 12	9 38.69	+ 8 32.1	2.435	3.345	8.0	20.0
3 22	9 33.35	+ 8 54.1	2.513	3.345	10.8	20.2

125033 2001 TP_{192} 2 16.6 296°.33 3°.3/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.77	+ 4 12.8	1.426	2.230	18.3	19.2
1 22	10 18.89	+ 3 57.0	1.335	2.217	14.5	18.9
2 1	10 12.03	+ 4 0.7	1.265	2.205	10.1	18.6
2 11	10 2.88	+ 4 22.6	1.218	2.193	5.4	18.3
2 21	9 52.57	+ 4 59.1	1.197	2.180	3.6	18.1
3 2	9 42.58	+ 5 43.7	1.202	2.168	7.8	18.3
3 12	9 34.38	+ 6 28.7	1.232	2.157	12.8	18.6
3 22	9 28.98	+ 7 7.7	1.283	2.145	17.3	18.8

99624 2002 GB_{89} 2 16.6 333°.80 0°.7/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 19.56	+ 9 51.8	1.436	2.263	17.0	19.4
1 22	10 16.33	+10 47.3	1.357	2.259	12.9	19.1
2 1	10 10.30	+12 2.0	1.300	2.255	8.2	18.8
2 11	10 2.20	+13 29.1	1.268	2.251	2.9	18.5
2 21	9 53.15	+14 58.9	1.262	2.247	2.9	18.5
3 2	9 44.54	+16 21.3	1.283	2.244	8.2	18.8
3 12	9 37.71	+17 28.0	1.329	2.242	13.1	19.0
3 22	9 33.56	+18 14.8	1.396	2.239	17.3	19.3

340813 2006 UD_{26} 2 16.6 177°.96 4°.1/12.8 17

1 12	10 24.11	+25 14.1	2.478	3.294	11.0	20.8
1 22	10 18.59	+25 49.7	2.402	3.295	8.4	20.7
2 1	10 11.13	+26 24.2	2.351	3.295	5.8	20.5
2 11	10 2.36	+26 52.2	2.329	3.295	4.2	20.4
2 21	9 53.10	+27 9.0	2.337	3.296	5.0	20.5
3 2	9 44.27	+27 11.5	2.374	3.295	7.5	20.6
3 12	9 36.72	+26 58.8	2.438	3.295	10.2	20.8
3 22	9 31.04	+26 32.0	2.525	3.295	12.6	20.9

169202 2001 RD_{82} 2 16.6 66°.98 5°.8/23.0 18

1 12	10 18.03	− 8 59.4	2.225	2.941	15.1	20.0
1 22	10 14.03	− 8 54.6	2.152	2.963	12.7	19.9
2 1	10 8.25	− 8 26.9	2.100	2.985	9.9	19.7
2 11	10 1.30	− 7 36.9	2.073	3.006	7.3	19.6
2 21	9 53.93	− 6 27.7	2.072	3.028	5.8	19.6
3 2	9 46.96	− 5 4.8	2.101	3.049	6.5	19.6
3 12	9 41.17	− 3 35.3	2.157	3.071	8.7	19.8
3 22	9 37.08	− 2 6.2	2.239	3.092	11.2	20.0

425019 2009 EK_{29} 2 16.6 283°.03 2°.9/19.7 17

1 12	10 16.81	− 0 9.8	2.520	3.279	12.5	21.1
1 22	10 13.18	+ 0 12.3	2.405	3.258	10.1	20.9
2 1	10 7.83	+ 0 51.2	2.313	3.236	7.2	20.7
2 11	10 1.21	+ 1 45.7	2.248	3.214	4.3	20.5
2 21	9 53.95	+ 2 52.6	2.212	3.191	2.9	20.3
3 2	9 46.79	+ 4 7.0	2.206	3.169	5.1	20.4
3 12	9 40.52	+ 5 23.1	2.230	3.146	8.3	20.6
3 22	9 35.75	+ 6 35.5	2.279	3.124	11.4	20.8

415862 2001 SV_{159} 2 16.6 160°.32 4°.9/21.5 18

1 12	10 21.22	− 5 32.1	2.377	3.103	14.0	21.6
1 22	10 16.42	− 5 33.7	2.287	3.109	11.6	21.5
2 1	10 9.79	− 5 16.1	2.218	3.116	8.9	21.3
2 11	10 1.90	− 4 39.5	2.176	3.121	6.2	21.1
2 21	9 53.46	− 3 46.5	2.162	3.126	4.9	21.1
3 2	9 45.32	− 2 41.5	2.178	3.130	6.0	21.1
3 12	9 38.28	− 1 30.4	2.222	3.134	8.6	21.3
3 22	9 32.93	− 0 19.3	2.293	3.137	11.3	21.5

56782 2000 OC_{46} 2 16.6 215°.11 4°.1/20.3 18 R

1 12	10 20.79	− 1 54.5	2.219	2.970	14.2	19.6
1 22	10 16.31	− 1 57.3	2.121	2.965	11.6	19.4
2 1	10 9.85	− 1 42.0	2.044	2.958	8.6	19.2
2 11	10 1.96	− 1 9.2	1.994	2.952	5.6	19.0
2 21	9 53.40	− 0 21.5	1.972	2.945	4.1	18.9
3 2	9 45.07	+ 0 36.5	1.979	2.938	6.0	19.0
3 12	9 37.86	+ 1 38.8	2.014	2.930	9.1	19.2
3 22	9 32.45	+ 2 39.8	2.075	2.922	12.2	19.3

114922 2003 QB_{40} 2 16.6 175°.54 0°.3/16.8 18

1 12	10 24.43	+ 9 8.4	2.030	2.825	13.9	20.8
1 22	10 19.15	+ 9 36.2	1.945	2.828	10.6	20.6
2 1	10 11.67	+10 16.6	1.884	2.830	6.8	20.3
2 11	10 2.62	+11 5.5	1.851	2.832	2.6	20.1
2 21	9 52.91	+11 57.3	1.847	2.833	1.9	20.0
3 2	9 43.57	+12 46.5	1.873	2.833	6.1	20.3
3 12	9 35.61	+13 28.1	1.927	2.832	10.0	20.5
3 22	9 29.73	+13 59.0	2.005	2.831	13.4	20.7

329983 2005 SY_{197} 2 16.6 100°.00 0°.4/16.9 18

1 12	10 22.77	+ 9 4.6	1.892	2.694	14.5	21.6
1 22	10 17.92	+ 9 29.6	1.820	2.707	11.0	21.4
2 1	10 10.86	+10 7.5	1.772	2.720	7.0	21.1
2 11	10 2.31	+10 53.8	1.751	2.732	2.7	20.9
2 21	9 53.20	+11 43.0	1.759	2.745	1.9	20.8
3 2	9 44.59	+12 29.3	1.795	2.757	6.2	21.2
3 12	9 37.47	+13 7.8	1.859	2.769	10.1	21.4
3 22	9 32.47	+13 35.6	1.947	2.781	13.5	21.6

286966 2002 PP_{194} 2 16.6 194°.15 0°.1/16.7 17

1 12	10 23.73	+ 9 50.5	2.125	2.921	13.3	22.8
1 22	10 18.59	+10 19.4	2.035	2.919	10.2	22.6
2 1	10 11.32	+10 59.9	1.969	2.916	6.5	22.4
2 11	10 2.52	+11 48.1	1.931	2.913	2.4	22.1
2 21	9 53.04	+12 38.6	1.923	2.909	1.9	22.1
3 2	9 43.88	+13 26.2	1.945	2.904	6.0	22.3
3 12	9 36.01	+14 6.1	1.995	2.899	9.8	22.6
3 22	9 30.11	+14 35.3	2.069	2.893	13.2	22.8

337556 2001 SX_{261} 2 16.6 121°.13 1°.2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 19.09	+ 5 51.7	2.565	3.346	11.7	21.5
1 22	10 14.65	+ 6 15.6	2.484	3.357	9.0	21.3
2 1	10 8.59	+ 6 51.1	2.428	3.367	6.0	21.1
2 11	10 1.46	+ 7 35.6	2.401	3.378	2.7	20.9
2 21	9 53.90	+ 8 25.0	2.403	3.388	1.6	20.9
3 2	9 46.66	+ 9 15.1	2.436	3.398	4.7	21.1
3 12	9 40.44	+10 1.7	2.497	3.408	7.8	21.3
3 22	9 35.74	+10 41.4	2.585	3.418	10.6	21.5

455610 2004 TV_{155} 2 16.6 91°.87 2°.8/18.7 18

1 12	10 22.70	+ 2 34.9	1.538	2.332	17.7	21.6
1 22	10 18.33	+ 2 54.5	1.468	2.344	13.9	21.4
2 1	10 11.35	+ 3 36.1	1.419	2.357	9.5	21.1
2 11	10 2.55	+ 4 36.5	1.395	2.369	4.9	20.9
2 21	9 53.05	+ 5 49.0	1.397	2.381	3.0	20.8
3 2	9 44.12	+ 7 5.5	1.427	2.393	6.9	21.1
3 12	9 36.95	+ 8 17.4	1.484	2.405	11.3	21.4
3 22	9 32.29	+ 9 18.6	1.563	2.417	15.2	21.6

104583 2000 GF_{84} 2 16.6 198°.79 3°.2/13.2 18

1 12	10 20.20	+19 43.0	2.378	3.198	11.3	19.8
1 22	10 15.79	+20 46.9	2.298	3.196	8.5	19.6
2 1	10 9.48	+21 55.4	2.243	3.195	5.5	19.4
2 11	10 1.83	+23 2.4	2.218	3.193	3.3	19.3
2 21	9 53.61	+24 1.8	2.222	3.190	4.3	19.3
3 2	9 45.70	+24 48.7	2.255	3.188	7.2	19.5
3 12	9 38.95	+25 19.9	2.316	3.185	10.2	19.7
3 22	9 33.96	+25 35.0	2.399	3.183	12.8	19.9

384464 2010 BO_{57} 2 16.6 8°.08 7°.7/23.6 18

1 12	10 18.13	−10 37.0	2.041	2.754	16.4	20.6
1 22	10 14.47	−11 15.7	1.953	2.755	14.1	20.5
2 1	10 8.77	−11 31.2	1.884	2.756	11.6	20.3
2 11	10 1.60	−11 21.4	1.839	2.757	9.2	20.1
2 21	9 53.78	−10 47.0	1.818	2.759	7.8	20.1
3 2	9 46.26	− 9 51.4	1.824	2.761	8.3	20.1
3 12	9 39.94	− 8 41.3	1.856	2.763	10.3	20.2
3 22	9 35.53	− 7 24.3	1.912	2.766	12.8	20.4

169301 2001 TO_{2} 2 16.6 110°.00 1°.6/15.2 17

1 12	10 22.00	+16 14.9	2.416	3.226	11.5	20.7
1 22	10 16.95	+16 40.6	2.342	3.235	8.6	20.5
2 1	10 10.09	+17 11.4	2.293	3.244	5.4	20.3
2 11	10 2.03	+17 42.8	2.272	3.253	2.2	20.1
2 21	9 53.52	+18 10.5	2.281	3.262	2.7	20.1
3 2	9 45.43	+18 31.0	2.321	3.271	5.9	20.4
3 12	9 38.52	+18 41.7	2.388	3.279	9.0	20.6
3 22	9 33.35	+18 41.9	2.479	3.287	11.7	20.8

283586 2001 XJ_{205} 2 16.6 60°.30 2°.7/13.9 18

1 12	10 19.30	+17 26.4	2.165	2.987	12.2	19.8
1 22	10 15.13	+18 27.6	2.101	3.001	9.1	19.6
2 1	10 9.04	+19 34.7	2.062	3.015	5.7	19.4
2 11	10 1.66	+20 41.3	2.051	3.030	2.9	19.3
2 21	9 53.81	+21 41.2	2.069	3.044	3.8	19.4
3 2	9 46.40	+22 29.2	2.117	3.059	7.0	19.6
3 12	9 40.28	+23 2.2	2.191	3.073	10.1	19.8
3 22	9 36.00	+23 19.3	2.288	3.088	12.8	20.0

409893 2006 SP_{403} 2 16.6 30°.85 8°.4/23.2 18

1 12	10 19.21	− 9 3.1	1.556	2.300	19.6	20.8
1 22	10 15.78	− 9 41.0	1.480	2.306	16.7	20.6
2 1	10 9.82	− 9 50.1	1.423	2.313	13.4	20.4
2 11	10 2.04	− 9 28.1	1.388	2.321	10.2	20.2
2 21	9 53.48	− 8 36.5	1.376	2.329	8.4	20.1
3 2	9 45.39	− 7 21.2	1.389	2.337	9.2	20.2
3 12	9 38.92	− 5 51.7	1.428	2.347	11.9	20.3
3 22	9 34.87	− 4 18.6	1.488	2.356	15.0	20.6

519612 2012 UY_{180} 2 16.6 21°.57 5°.0/21.1 17

1 12	10 19.14	− 3 38.8	2.248	2.993	14.2	21.0
1 22	10 14.99	− 4 2.3	2.159	2.994	11.7	20.9
2 1	10 8.99	− 4 8.1	2.091	2.996	8.9	20.7
2 11	10 1.68	− 3 56.3	2.049	2.998	6.3	20.5
2 21	9 53.80	− 3 28.4	2.034	3.000	5.0	20.4
3 2	9 46.20	− 2 48.0	2.048	3.002	6.2	20.5
3 12	9 39.72	− 2 0.4	2.089	3.004	8.9	20.7
3 22	9 34.96	− 1 10.9	2.155	3.006	11.7	20.9

14582 Conlin 2 16.6 62°.56 1°.7/17.8 18

1 12	10 22.89	+ 4 54.5	1.261	2.077	19.6	17.3
1 22	10 18.86	+ 5 30.2	1.205	2.096	15.1	17.0
2 1	10 11.83	+ 6 29.7	1.168	2.115	9.9	16.8
2 11	10 2.78	+ 7 47.1	1.155	2.135	4.3	16.5
2 21	9 53.02	+ 9 12.9	1.168	2.155	2.5	16.5
3 2	9 44.08	+10 36.6	1.208	2.175	7.7	16.8
3 12	9 37.28	+11 48.9	1.272	2.195	12.7	17.2
3 22	9 33.35	+12 44.4	1.357	2.214	16.8	17.5

447281 2005 VQ_{13} 2 16.6 131°.10 0°.7/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.40	+ 7 6.4	1.863	2.653	15.1	21.9
1 22	10 20.69	+ 7 47.0	1.793	2.672	11.6	21.7
2 1	10 12.65	+ 8 43.0	1.746	2.689	7.5	21.5
2 11	10 3.02	+ 9 49.5	1.726	2.706	3.0	21.3
2 21	9 52.82	+10 59.9	1.736	2.722	1.9	21.2
3 2	9 43.17	+12 7.1	1.776	2.737	6.3	21.5
3 12	9 35.11	+13 5.2	1.845	2.751	10.3	21.8
3 22	9 29.30	+13 50.7	1.937	2.764	13.8	22.0

295629 2008 SA_{237} 2 16.6 241°.87 1°.4/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.09	+13 35.9	1.555	2.375	16.2	21.2
1 22	10 21.23	+14 3.1	1.469	2.367	12.4	20.9
2 1	10 13.43	+14 42.0	1.405	2.358	7.8	20.7
2 11	10 3.44	+15 26.8	1.367	2.350	2.9	20.3
2 21	9 52.43	+16 10.1	1.357	2.341	3.1	20.3
3 2	9 41.84	+16 44.9	1.374	2.331	8.2	20.6
3 12	9 33.07	+17 6.2	1.416	2.322	13.0	20.8
3 22	9 27.06	+17 12.2	1.480	2.312	17.1	21.1

60416 2000 CZ_{25} 2 16.6 344°.47 1°.3/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.56	+ 9 12.4	1.209	2.039	19.3	18.7
1 22	10 19.85	+ 9 2.7	1.134	2.034	15.0	18.4
2 1	10 12.80	+ 9 9.8	1.078	2.030	9.8	18.1
2 11	10 3.25	+ 9 30.1	1.045	2.026	4.1	17.8
2 21	9 52.58	+ 9 57.7	1.036	2.023	2.6	17.7
3 2	9 42.49	+10 25.5	1.053	2.020	8.5	18.0
3 12	9 34.60	+10 46.9	1.092	2.018	14.0	18.3
3 22	9 29.91	+10 57.7	1.152	2.017	18.7	18.6

28537 Kirapowell 2 16.6 213°.65 2°.8/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.86	+16 59.9	1.876	2.698	13.8	19.4
1 22	10 18.28	+17 56.8	1.795	2.695	10.4	19.2
2 1	10 11.30	+19 2.1	1.738	2.692	6.6	18.9
2 11	10 2.59	+20 8.6	1.709	2.688	3.2	18.7
2 21	9 53.12	+21 8.9	1.708	2.685	4.2	18.8
3 2	9 44.05	+21 56.4	1.736	2.681	8.0	19.0
3 12	9 36.47	+22 27.1	1.790	2.676	11.8	19.2
3 22	9 31.16	+22 40.0	1.866	2.672	15.1	19.4

52802 1998 QP_{67} 2 16.6 98°.35 3°.4/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.09	+ 2 49.6	1.860	2.633	15.8	19.4
1 22	10 21.12	+ 2 29.1	1.792	2.654	12.5	19.2
2 1	10 12.87	+ 2 24.6	1.746	2.675	8.7	19.0
2 11	10 3.09	+ 2 34.6	1.726	2.695	5.0	18.9
2 21	9 52.79	+ 2 56.1	1.735	2.715	3.5	18.8
3 2	9 43.09	+ 3 24.5	1.773	2.735	6.3	19.0
3 12	9 35.00	+ 3 54.7	1.839	2.754	9.9	19.3
3 22	9 29.16	+ 4 22.1	1.929	2.772	13.2	19.5

268381 2005 US_{26} 2 16.6 74°.32 1°.0/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.42	+13 13.0	1.776	2.590	14.8	20.9
1 22	10 19.24	+13 41.0	1.716	2.611	11.1	20.7
2 1	10 11.72	+14 18.3	1.678	2.631	6.9	20.5
2 11	10 2.67	+14 59.5	1.668	2.651	2.5	20.3
2 21	9 53.13	+15 38.6	1.686	2.671	2.6	20.3
3 2	9 44.25	+16 10.2	1.733	2.690	6.8	20.7
3 12	9 37.02	+16 30.8	1.807	2.710	10.7	20.9
3 22	9 32.09	+16 38.9	1.903	2.730	14.0	21.2

489514 2007 PY_{48} 2 16.6 196°.22 0°.1/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.84	+10 5.3	2.043	2.837	13.8	22.8
1 22	10 20.30	+10 27.8	1.952	2.835	10.6	22.6
2 1	10 12.48	+11 1.8	1.885	2.831	6.8	22.3
2 11	10 3.01	+11 43.3	1.845	2.827	2.5	22.1
2 21	9 52.80	+12 27.2	1.836	2.822	1.9	22.0
3 2	9 42.93	+13 8.1	1.857	2.816	6.2	22.3
3 12	9 34.43	+13 41.5	1.905	2.809	10.2	22.5
3 22	9 28.05	+14 4.5	1.978	2.802	13.7	22.7

411741 2012 BV_{82} 2 16.6 239°.15 1°.5/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.41	+13 23.2	1.768	2.586	14.6	21.1
1 22	10 18.07	+14 9.0	1.683	2.581	11.1	20.9
2 1	10 11.23	+15 6.5	1.623	2.576	6.9	20.6
2 11	10 2.59	+16 9.8	1.589	2.571	2.6	20.3
2 21	9 53.14	+17 11.4	1.583	2.566	3.1	20.4
3 2	9 44.06	+18 4.2	1.606	2.560	7.5	20.6
3 12	9 36.52	+18 43.0	1.654	2.555	11.7	20.8
3 22	9 31.30	+19 5.7	1.725	2.549	15.4	21.1

272828 2006 AK_{100} 2 16.6 87°.94 0°.2/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.60	+11 30.6	1.963	2.770	13.8	21.6
1 22	10 17.80	+11 48.8	1.886	2.777	10.5	21.4
2 1	10 10.84	+12 17.1	1.834	2.784	6.6	21.1
2 11	10 2.38	+12 51.3	1.808	2.791	2.4	20.9
2 21	9 53.34	+13 26.3	1.812	2.798	2.0	20.9
3 2	9 44.77	+13 57.2	1.844	2.804	6.2	21.2
3 12	9 37.61	+14 20.1	1.904	2.811	10.1	21.4
3 22	9 32.53	+14 32.8	1.987	2.818	13.4	21.6

459943 2014 NN_{29} 2 16.6 106°.44 0°.1/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.62	+ 8 12.5	1.661	2.469	15.9	21.7
1 22	10 18.16	+ 9 0.9	1.591	2.480	12.1	21.5
2 1	10 11.22	+10 6.1	1.543	2.492	7.7	21.3
2 11	10 2.55	+11 22.3	1.521	2.503	2.9	21.0
2 21	9 53.21	+12 41.7	1.528	2.514	2.1	21.0
3 2	9 44.41	+13 55.9	1.564	2.525	6.9	21.3
3 12	9 37.26	+14 58.3	1.625	2.536	11.3	21.6
3 22	9 32.48	+15 45.2	1.710	2.546	14.9	21.8

205636 2001 WX_{69} 2 16.6 165°.93 0°.5/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.37	+ 8 23.9	2.917	3.701	10.4	21.7
1 22	10 14.73	+ 8 46.6	2.829	3.705	7.9	21.6
2 1	10 8.62	+ 9 18.2	2.766	3.709	5.1	21.4
2 11	10 1.52	+ 9 56.0	2.732	3.712	2.1	21.2
2 21	9 54.01	+10 36.7	2.729	3.715	1.3	21.1
3 2	9 46.75	+11 16.6	2.758	3.718	4.4	21.3
3 12	9 40.37	+11 52.4	2.815	3.720	7.3	21.5
3 22	9 35.35	+12 21.6	2.899	3.722	9.8	21.7

419063 2009 SD_{21} 2 16.6 118°.83 1°.8/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.70	+17 3.5	2.179	2.984	12.7	21.5
1 22	10 21.35	+17 19.2	2.109	3.000	9.5	21.3
2 1	10 12.91	+17 39.1	2.065	3.015	6.0	21.1
2 11	10 3.09	+17 58.6	2.049	3.030	2.5	20.9
2 21	9 52.84	+18 13.1	2.064	3.044	2.9	21.0
3 2	9 43.15	+18 19.4	2.109	3.058	6.4	21.2
3 12	9 34.94	+18 15.6	2.181	3.072	9.8	21.5
3 22	9 28.81	+18 1.6	2.279	3.085	12.7	21.7

6678 Seurat 2 16.6 167°.77 5°.3/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.52	+25 43.4	1.991	2.815	13.0	17.2
1 22	10 20.18	+26 37.0	1.920	2.816	10.0	17.0
2 1	10 12.42	+27 30.0	1.873	2.817	7.0	16.8
2 11	10 2.98	+28 14.5	1.854	2.818	5.3	16.7
2 21	9 52.90	+28 44.2	1.863	2.818	6.4	16.8
3 2	9 43.36	+28 54.5	1.900	2.819	9.2	17.0
3 12	9 35.44	+28 44.8	1.962	2.819	12.3	17.1
3 22	9 29.84	+28 16.7	2.046	2.819	15.0	17.3

457467 2008 UO_{216} 2 16.6 108°.82 4°.8/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.71	+20 45.5	1.563	2.394	15.6	21.7
1 22	10 21.49	+21 59.8	1.504	2.408	11.8	21.5
2 1	10 13.41	+23 19.1	1.469	2.420	7.7	21.3
2 11	10 3.37	+24 33.2	1.459	2.433	4.9	21.2
2 21	9 52.63	+25 32.8	1.478	2.445	6.2	21.3
3 2	9 42.63	+26 11.2	1.524	2.457	9.9	21.5
3 12	9 34.64	+26 26.3	1.594	2.469	13.6	21.8
3 22	9 29.41	+26 19.7	1.684	2.480	16.9	22.0

13480 Potapov 2 16.6 158°.74 1°.0/17.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.73	+ 8 3.0	1.881	2.671	15.0	19.3
1 22	10 21.78	+ 8 15.6	1.801	2.680	11.6	19.1
2 1	10 13.41	+ 8 41.4	1.744	2.687	7.5	18.9
2 11	10 3.35	+ 9 17.0	1.714	2.694	3.1	18.6
2 21	9 52.61	+ 9 57.2	1.714	2.700	2.0	18.6
3 2	9 42.35	+10 36.5	1.743	2.705	6.3	18.9
3 12	9 33.67	+11 10.1	1.800	2.709	10.5	19.1
3 22	9 27.28	+11 34.8	1.881	2.712	14.0	19.3

115474 2003 UE_{4} 2 16.6 33°.62 11°.7/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.85	−19 57.7	1.878	2.534	19.3	19.0
1 22	10 15.25	−21 8.0	1.804	2.544	17.4	18.8
2 1	10 9.38	−21 48.4	1.746	2.555	15.3	18.7
2 11	10 1.90	−21 54.7	1.708	2.566	13.3	18.6
2 21	9 53.72	−21 25.6	1.691	2.578	12.0	18.5
3 2	9 45.93	−20 24.0	1.697	2.591	11.7	18.5
3 12	9 39.55	−18 57.2	1.726	2.604	12.6	18.6
3 22	9 35.32	−17 15.2	1.778	2.617	14.3	18.7

255855 2006 SF_{154} 2 16.6 185°.16 3°.6/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.71	+19 57.0	2.099	2.917	12.7	21.6
1 22	10 19.46	+20 59.0	2.020	2.917	9.6	21.4
2 1	10 11.94	+22 6.0	1.966	2.917	6.2	21.2
2 11	10 2.82	+23 10.7	1.941	2.916	3.7	21.0
2 21	9 53.02	+24 6.4	1.945	2.914	4.7	21.1
3 2	9 43.62	+24 47.3	1.979	2.912	8.0	21.3
3 12	9 35.63	+25 10.7	2.039	2.909	11.3	21.5
3 22	9 29.77	+25 16.4	2.121	2.906	14.2	21.7

200184 1999 RY_{8} 2 16.6 221°.55 1°.3/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.34	+ 4 31.6	2.952	3.724	10.6	20.8
1 22	10 13.28	+ 5 2.1	2.850	3.716	8.2	20.6
2 1	10 7.77	+ 5 44.5	2.772	3.707	5.5	20.4
2 11	10 1.25	+ 6 36.3	2.723	3.699	2.7	20.2
2 21	9 54.25	+ 7 34.2	2.705	3.690	1.6	20.1
3 2	9 47.42	+ 8 34.1	2.718	3.680	4.3	20.3
3 12	9 41.39	+ 9 31.7	2.760	3.671	7.2	20.5
3 22	9 36.65	+10 23.5	2.829	3.661	9.8	20.6

45613 2000 DJ_{59} 2 16.6 79°.95 0°.2/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 21.00	+ 9 57.2	2.087	2.889	13.3	18.9
1 22	10 16.46	+10 19.5	2.012	2.899	10.1	18.7
2 1	10 9.93	+10 52.7	1.961	2.909	6.4	18.5
2 11	10 2.05	+11 32.8	1.937	2.919	2.4	18.2
2 21	9 53.65	+12 15.1	1.942	2.929	1.8	18.2
3 2	9 45.68	+12 54.5	1.977	2.938	5.8	18.5
3 12	9 39.01	+13 26.9	2.040	2.948	9.4	18.7
3 22	9 34.25	+13 49.6	2.126	2.958	12.6	18.9

269044 2007 FG_{36} 2 16.6 150°.01 2°.1/18.5 18

1 12	10 20.18	+ 3 35.7	2.038	2.821	14.3	21.1
1 22	10 15.97	+ 3 56.5	1.952	2.823	11.2	20.9
2 1	10 9.71	+ 4 33.9	1.890	2.826	7.6	20.7
2 11	10 2.00	+ 5 25.2	1.854	2.828	3.9	20.5
2 21	9 53.67	+ 6 25.8	1.846	2.831	2.4	20.4
3 2	9 45.69	+ 7 29.7	1.868	2.833	5.7	20.6
3 12	9 38.96	+ 8 30.6	1.918	2.835	9.4	20.8
3 22	9 34.15	+ 9 23.9	1.992	2.836	12.8	21.0

37026 2000 UF_{6} 2 16.6 154°.60 0°.8/15.7 18

1 12	10 19.39	+13 32.9	2.852	3.652	10.2	19.7
1 22	10 14.80	+14 5.5	2.769	3.658	7.6	19.6
2 1	10 8.69	+14 44.4	2.713	3.663	4.7	19.4
2 11	10 1.57	+15 26.0	2.685	3.668	1.7	19.2
2 21	9 54.04	+16 6.5	2.689	3.672	1.9	19.2
3 2	9 46.78	+16 42.1	2.723	3.676	4.9	19.4
3 12	9 40.46	+17 10.0	2.786	3.680	7.8	19.6
3 22	9 35.55	+17 28.7	2.875	3.684	10.3	19.8

183373 2002 XO_{22} 2 16.6 354°.08 6°.2/12.7 18

1 12	10 21.17	+23 12.3	1.283	2.137	16.9	19.1
1 22	10 18.02	+24 12.6	1.217	2.131	13.0	18.8
2 1	10 11.60	+25 16.5	1.172	2.126	8.9	18.6
2 11	10 2.81	+26 13.0	1.151	2.123	6.2	18.4
2 21	9 53.06	+26 51.7	1.154	2.121	7.7	18.5
3 2	9 44.01	+27 5.7	1.182	2.120	11.7	18.7
3 12	9 37.18	+26 52.9	1.232	2.120	15.9	18.9
3 22	9 33.46	+26 16.1	1.299	2.121	19.6	19.2

520098 2013 YD_{154} 2 16.6 104°.33 0°.9/15.6 17

1 12	10 18.56	+12 10.5	2.452	3.257	11.5	21.7
1 22	10 14.40	+13 3.3	2.376	3.267	8.6	21.5
2 1	10 8.54	+14 5.1	2.326	3.277	5.3	21.3
2 11	10 1.53	+15 11.2	2.304	3.286	1.9	21.1
2 21	9 54.08	+16 16.3	2.313	3.296	2.2	21.2
3 2	9 46.94	+17 15.2	2.352	3.305	5.5	21.4
3 12	9 40.88	+18 3.9	2.419	3.314	8.7	21.6
3 22	9 36.41	+18 40.3	2.510	3.324	11.4	21.8

56688 2000 LM_{12} 2 16.6 177°.34 2°.9/19.5 18

1 12	10 21.66	+ 0 30.4	2.500	3.253	12.7	19.7
1 22	10 16.73	+ 0 39.5	2.406	3.256	10.2	19.5
2 1	10 10.03	+ 1 3.8	2.336	3.258	7.2	19.3
2 11	10 2.10	+ 1 41.7	2.293	3.259	4.3	19.1
2 21	9 53.64	+ 2 30.1	2.281	3.259	3.0	19.1
3 2	9 45.43	+ 3 24.7	2.298	3.259	5.1	19.2
3 12	9 38.26	+ 4 20.5	2.345	3.258	8.1	19.4
3 22	9 32.70	+ 5 13.0	2.418	3.256	11.0	19.6

268537 2006 AH_{33} 2 16.6 18°.34 6°.0/11.7 18

1 12	10 20.77	+23 41.9	1.555	2.399	15.0	20.1
1 22	10 17.14	+25 6.7	1.495	2.404	11.4	19.9
2 1	10 10.76	+26 34.3	1.458	2.408	8.0	19.7
2 11	10 2.45	+27 54.1	1.447	2.414	6.1	19.6
2 21	9 53.39	+28 56.3	1.462	2.420	7.5	19.7
3 2	9 44.95	+29 34.3	1.503	2.426	10.8	19.9
3 12	9 38.39	+29 46.1	1.567	2.434	14.3	20.1
3 22	9 34.46	+29 33.7	1.651	2.441	17.4	20.3

303520 2005 EA_{212} 2 16.6 44°.24 3°.0/14.7 18

1 12	10 23.35	+15 53.7	1.287	2.128	17.7	20.1
1 22	10 19.28	+16 46.0	1.234	2.143	13.3	19.9
2 1	10 12.15	+17 49.0	1.201	2.158	8.3	19.6
2 11	10 2.94	+18 53.4	1.193	2.174	3.6	19.4
2 21	9 53.04	+19 49.6	1.211	2.191	4.6	19.5
3 2	9 44.01	+20 29.7	1.254	2.208	9.3	19.8
3 12	9 37.18	+20 49.8	1.322	2.225	13.8	20.1
3 22	9 33.28	+20 50.0	1.409	2.243	17.6	20.4

240394 2003 UU_{73} 2 16.6 226°.98 17°.6/ 1.6 18

1 12	10 22.16	−25 12.6	1.303	1.958	26.5	21.0
1 22	10 19.06	−26 47.8	1.223	1.955	24.6	20.8
2 1	10 12.55	−27 41.6	1.155	1.950	22.4	20.6
2 11	10 3.31	−27 43.1	1.101	1.946	20.1	20.5
2 21	9 52.59	−26 45.5	1.064	1.941	18.3	20.3
3 2	9 42.15	−24 48.9	1.046	1.936	17.6	20.3
3 12	9 33.79	−22 4.8	1.047	1.930	18.5	20.3
3 22	9 28.74	−18 51.3	1.069	1.924	20.5	20.4

406124 2006 VT_{64} 2 16.6 104°.53 0°.2/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 24.15	+10 30.0	1.923	2.726	14.2	21.9
1 22	10 18.92	+11 4.1	1.857	2.745	10.8	21.7
2 1	10 11.51	+11 49.8	1.814	2.763	6.8	21.5
2 11	10 2.64	+12 41.9	1.799	2.781	2.4	21.3
2 21	9 53.26	+13 34.6	1.813	2.799	2.0	21.3
3 2	9 44.44	+14 22.1	1.857	2.816	6.3	21.6
3 12	9 37.12	+14 59.9	1.928	2.833	10.1	21.8
3 22	9 31.93	+15 25.6	2.023	2.849	13.3	22.1

367685 2010 OV_{78} 2 16.6 329°.46 3°.0/18.3 18

1 12	10 24.63	+ 5 45.7	1.575	2.375	17.0	20.7
1 22	10 19.98	+ 5 13.5	1.489	2.369	13.5	20.4
2 1	10 12.58	+ 4 55.8	1.424	2.364	9.3	20.2
2 11	10 3.15	+ 4 51.8	1.384	2.359	4.9	19.9
2 21	9 52.80	+ 4 58.8	1.371	2.355	3.3	19.8
3 2	9 42.86	+ 5 12.4	1.386	2.350	7.2	20.0
3 12	9 34.64	+ 5 27.6	1.425	2.346	11.7	20.2
3 22	9 29.00	+ 5 39.9	1.487	2.343	15.7	20.5

154504 2003 FF_{40} 2 16.6 6°.22 6°.6/13.1 18

1 12	10 29.03	+27 29.1	1.455	2.292	16.3	19.5
1 22	10 23.58	+27 57.8	1.390	2.292	12.7	19.3
2 1	10 14.88	+28 22.3	1.347	2.293	9.0	19.1
2 11	10 3.95	+28 33.2	1.329	2.294	6.7	18.9
2 21	9 52.27	+28 23.5	1.337	2.297	7.7	19.0
3 2	9 41.50	+27 49.9	1.370	2.300	11.1	19.2
3 12	9 33.07	+26 54.0	1.428	2.304	14.8	19.4
3 22	9 27.78	+25 40.3	1.505	2.309	18.2	19.6

450421 2005 UZ_{12} 2 16.6 16°.67 5°.5/20.2 18

1 12	10 21.73	− 1 9.4	1.339	2.129	20.0	21.1
1 22	10 18.13	− 1 27.1	1.262	2.130	16.3	20.8
2 1	10 11.57	− 1 18.4	1.204	2.131	11.9	20.6
2 11	10 2.81	− 0 43.1	1.168	2.133	7.6	20.3
2 21	9 53.07	+ 0 14.7	1.157	2.134	5.5	20.2
3 2	9 43.82	+ 1 27.2	1.171	2.136	8.2	20.4
3 12	9 36.48	+ 2 44.1	1.210	2.138	12.7	20.6
3 22	9 31.97	+ 3 56.1	1.270	2.141	16.9	20.9

382502 2001 RR_{5} 2 16.6 98°.93 1°.7/18.4 18

1 12	10 20.01	+ 4 18.4	2.590	3.362	11.9	21.5
1 22	10 15.28	+ 4 38.5	2.518	3.383	9.2	21.4
2 1	10 8.99	+ 5 10.9	2.470	3.405	6.2	21.2
2 11	10 1.68	+ 5 52.7	2.451	3.426	3.1	21.0
2 21	9 54.02	+ 6 40.5	2.462	3.447	1.9	21.0
3 2	9 46.72	+ 7 29.9	2.504	3.467	4.6	21.2
3 12	9 40.46	+ 8 16.7	2.575	3.487	7.6	21.4
3 22	9 35.71	+ 8 57.7	2.672	3.506	10.2	21.6

211170 2002 JH_{2} 2 16.6 250°.97 0°.2/16.5 16

1 12	10 23.56	+10 25.6	1.826	2.633	14.7	21.1
1 22	10 18.99	+10 55.5	1.728	2.618	11.3	20.9
2 1	10 11.90	+11 39.2	1.654	2.603	7.2	20.6
2 11	10 2.91	+12 32.0	1.606	2.588	2.7	20.3
2 21	9 52.98	+13 27.9	1.586	2.572	2.2	20.2
3 2	9 43.28	+14 20.1	1.595	2.555	7.0	20.5
3 12	9 35.01	+15 2.9	1.632	2.539	11.4	20.7
3 22	9 29.03	+15 32.6	1.690	2.521	15.3	20.9

117145 2004 PA_{91} 2 16.6 88°.64 2°.3/18.5 18

1 12	10 23.61	+ 2 50.2	1.569	2.360	17.5	20.1
1 22	10 18.91	+ 3 26.0	1.506	2.382	13.6	19.9
2 1	10 11.68	+ 4 23.7	1.465	2.404	9.2	19.6
2 11	10 2.74	+ 5 38.6	1.449	2.425	4.5	19.4
2 21	9 53.21	+ 7 3.3	1.461	2.446	2.6	19.3
3 2	9 44.34	+ 8 28.9	1.501	2.466	6.7	19.6
3 12	9 37.23	+ 9 47.0	1.568	2.486	11.0	19.9
3 22	9 32.59	+10 52.1	1.658	2.506	14.7	20.2

419573 2010 RE_{52} 2 16.6 186°.35 0°.2/16.8 17

1 12	10 23.13	+ 8 58.3	2.136	2.930	13.3	22.8
1 22	10 18.16	+ 9 33.5	2.048	2.930	10.2	22.5
2 1	10 11.09	+10 21.3	1.983	2.930	6.5	22.3
2 11	10 2.54	+11 17.5	1.947	2.928	2.5	22.1
2 21	9 53.32	+12 16.9	1.940	2.926	1.8	22.0
3 2	9 44.43	+13 13.5	1.964	2.924	5.9	22.3
3 12	9 36.79	+14 2.3	2.016	2.921	9.7	22.5
3 22	9 31.10	+14 40.1	2.092	2.917	13.0	22.7

436831 2012 SK_{7} 2 16.6 226°.40 1°.6/15.3 17

1 12	10 22.70	+16 14.0	2.331	3.141	11.8	21.3
1 22	10 17.68	+16 35.8	2.244	3.137	8.9	21.1
2 1	10 10.71	+17 3.0	2.182	3.133	5.6	20.9
2 11	10 2.38	+17 31.3	2.148	3.129	2.3	20.7
2 21	9 53.47	+17 56.2	2.144	3.125	2.7	20.7
3 2	9 44.91	+18 13.8	2.169	3.120	6.2	20.9
3 12	9 37.54	+18 21.5	2.223	3.116	9.5	21.1
3 22	9 32.00	+18 18.5	2.300	3.111	12.4	21.3

338401 2003 BZ_4 2 16.6 101°.41 3°.6/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 20.82	− 0 25.8	2.492	3.242	12.8	20.8
1 22	10 16.02	− 0 42.3	2.409	3.254	10.3	20.6
2 1	10 9.54	− 0 44.6	2.350	3.265	7.5	20.5
2 11	10 1.92	− 0 33.3	2.318	3.277	4.9	20.3
2 21	9 53.85	− 0 10.6	2.315	3.288	3.6	20.3
3 2	9 46.11	+ 0 20.3	2.341	3.299	5.3	20.4
3 12	9 39.43	+ 0 55.1	2.396	3.309	8.0	20.6
3 22	9 34.34	+ 1 29.7	2.477	3.320	10.6	20.7

159079 2004 TC_{210} 2 16.6 289°.96 0°.1/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.49	+10 11.2	1.951	2.757	13.9	20.8
1 22	10 17.09	+10 30.5	1.866	2.755	10.7	20.5
2 1	10 10.50	+11 1.4	1.804	2.753	6.8	20.3
2 11	10 2.34	+11 40.2	1.770	2.751	2.5	20.0
2 21	9 53.51	+12 21.6	1.763	2.750	1.9	20.0
3 2	9 45.04	+13 0.3	1.786	2.748	6.2	20.2
3 12	9 37.94	+13 31.6	1.836	2.746	10.2	20.5
3 22	9 32.89	+13 52.8	1.909	2.744	13.6	20.7

28333 1999 DW_1 2 16.6 227°.23 4°.0/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.52	+22 12.6	2.326	3.149	11.4	18.7
1 22	10 16.16	+23 21.5	2.247	3.146	8.6	18.5
2 1	10 9.82	+24 33.4	2.193	3.142	5.8	18.4
2 11	10 2.07	+25 41.8	2.169	3.138	4.0	18.2
2 21	9 53.72	+26 40.2	2.173	3.134	5.1	18.3
3 2	9 45.68	+27 23.6	2.206	3.130	7.9	18.5
3 12	9 38.84	+27 49.3	2.266	3.125	10.8	18.6
3 22	9 33.85	+27 57.3	2.348	3.121	13.3	18.8

200167 1999 CJ_{152} 2 16.6 48°.66 0°.1/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.37	+11 45.0	1.317	2.143	18.3	20.4
1 22	10 21.57	+11 47.3	1.252	2.152	13.9	20.1
2 1	10 13.64	+12 2.8	1.208	2.161	8.9	19.9
2 11	10 3.54	+12 26.1	1.187	2.170	3.2	19.6
2 21	9 52.63	+12 51.1	1.193	2.180	2.5	19.6
3 2	9 42.50	+13 11.2	1.226	2.190	8.1	19.9
3 12	9 34.56	+13 21.9	1.283	2.200	13.1	20.2
3 22	9 29.64	+13 21.0	1.360	2.210	17.2	20.5

428844 2008 UC_{44} 2 16.6 85°.70 0°.2/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.33	+10 1.4	2.068	2.870	13.4	21.6
1 22	10 16.76	+10 23.3	1.992	2.879	10.2	21.4
2 1	10 10.16	+10 56.2	1.940	2.888	6.5	21.2
2 11	10 2.18	+11 36.1	1.915	2.897	2.4	21.0
2 21	9 53.67	+12 18.1	1.920	2.906	1.8	21.0
3 2	9 45.58	+12 57.2	1.954	2.915	5.8	21.2
3 12	9 38.81	+13 29.2	2.015	2.924	9.5	21.5
3 22	9 33.97	+13 51.4	2.100	2.932	12.7	21.7

451896 2014 JN_{54} 2 16.6 123°.80 11°.4/ 5.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 36.78	+44 1.9	1.994	2.785	14.2	21.6
1 22	10 29.26	+46 7.3	1.967	2.807	12.5	21.6
2 1	10 18.40	+47 55.2	1.964	2.828	11.5	21.5
2 11	10 5.24	+49 13.9	1.986	2.849	11.6	21.6
2 21	9 51.36	+49 56.4	2.033	2.868	12.6	21.7
3 2	9 38.51	+50 1.2	2.104	2.886	14.2	21.8
3 12	9 28.16	+49 32.5	2.194	2.904	15.8	22.0
3 22	9 21.13	+48 37.4	2.300	2.920	17.3	22.1

428356 2007 RW_{21} 2 16.6 132°.96 5°.0/12.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.35	+29 47.0	2.645	3.450	10.7	21.4
1 22	10 22.38	+30 20.5	2.580	3.462	8.4	21.2
2 1	10 13.48	+30 49.1	2.542	3.474	6.2	21.1
2 11	10 3.35	+31 7.4	2.533	3.485	5.0	21.1
2 21	9 52.84	+31 11.2	2.554	3.496	5.8	21.1
3 2	9 42.92	+30 58.5	2.605	3.507	7.8	21.3
3 12	9 34.41	+30 29.7	2.683	3.517	10.1	21.4
3 22	9 27.87	+29 47.0	2.785	3.527	12.2	21.6

454703 2014 SP_{102} 2 16.6 261°.24 0°.2/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.06	+ 9 52.0	1.644	2.457	15.8	21.1
1 22	10 18.70	+10 13.7	1.561	2.454	12.2	20.8
2 1	10 11.73	+10 49.7	1.501	2.451	7.8	20.6
2 11	10 2.86	+11 35.5	1.466	2.448	2.9	20.3
2 21	9 53.14	+12 24.8	1.459	2.445	2.2	20.2
3 2	9 43.85	+13 10.8	1.479	2.442	7.1	20.5
3 12	9 36.20	+13 47.8	1.526	2.439	11.7	20.8
3 22	9 31.01	+14 12.3	1.595	2.436	15.6	21.0

82771 2001 QX_{14} 2 16.6 165°.78 1°.2/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.21	+14 6.0	2.610	3.414	10.9	19.9
1 22	10 15.59	+14 44.7	2.526	3.417	8.2	19.8
2 1	10 9.29	+15 30.3	2.469	3.420	5.1	19.6
2 11	10 1.86	+16 18.5	2.441	3.423	1.9	19.3
2 21	9 53.95	+17 4.9	2.443	3.425	2.3	19.4
3 2	9 46.34	+17 45.3	2.475	3.427	5.5	19.6
3 12	9 39.75	+18 16.3	2.536	3.429	8.5	19.8
3 22	9 34.72	+18 36.5	2.622	3.430	11.2	20.0

354882 2006 BS_{106} 2 16.7 53°.03 0°.5/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 27.90	+11 1.6	1.251	2.077	19.1	21.0
1 22	10 22.74	+10 53.1	1.193	2.092	14.6	20.8
2 1	10 14.36	+10 58.2	1.155	2.107	9.3	20.6
2 11	10 3.80	+11 12.5	1.142	2.124	3.5	20.3
2 21	9 52.53	+11 29.9	1.154	2.140	2.5	20.2
3 2	9 42.21	+11 44.5	1.192	2.157	8.1	20.6
3 12	9 34.22	+11 51.6	1.254	2.174	13.1	20.9
3 22	9 29.36	+11 48.9	1.337	2.191	17.3	21.2

168925 2000 YV_{59} 2 16.7 45°.81 2°.6/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.36	+14 7.9	1.423	2.258	16.7	19.9
1 22	10 17.69	+15 18.6	1.358	2.265	12.5	19.7
2 1	10 11.18	+16 43.2	1.315	2.272	7.8	19.4
2 11	10 2.67	+18 12.6	1.298	2.280	3.3	19.2
2 21	9 53.36	+19 36.2	1.307	2.288	4.3	19.3
3 2	9 44.66	+20 44.7	1.344	2.296	9.0	19.6
3 12	9 37.88	+21 32.4	1.404	2.304	13.4	19.8
3 22	9 33.80	+21 57.8	1.485	2.313	17.2	20.1

85006 2003 YU_{154} 2 16.7 18°.40 10°.2/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.22	+31 31.2	1.301	2.159	16.4	18.2
1 22	10 15.75	+33 38.6	1.268	2.174	13.2	18.1
2 1	10 10.08	+35 37.6	1.256	2.191	10.8	18.0
2 11	10 2.26	+37 13.6	1.269	2.209	10.3	18.0
2 21	9 53.74	+38 16.2	1.305	2.228	11.9	18.1
3 2	9 46.16	+38 40.6	1.363	2.249	14.6	18.4
3 12	9 40.87	+38 28.9	1.441	2.271	17.3	18.6
3 22	9 38.56	+37 47.0	1.535	2.295	19.8	18.8

104804 2000 HN_{43} 2 16.7 36°.88 3°.6/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.00	+ 0 1.4	2.132	2.898	14.2	20.0
1 22	10 15.02	− 0 0.4	2.045	2.901	11.4	19.8
2 1	10 9.11	+ 0 15.0	1.981	2.903	8.3	19.6
2 11	10 1.84	+ 0 46.4	1.942	2.906	5.1	19.4
2 21	9 54.00	+ 1 30.7	1.932	2.909	3.6	19.3
3 2	9 46.47	+ 2 23.2	1.950	2.912	5.7	19.4
3 12	9 40.12	+ 3 18.1	1.996	2.915	9.0	19.6
3 22	9 35.56	+ 4 10.1	2.066	2.918	12.1	19.8

429740 2011 OD_{25} 2 16.7 195°.03 0°.9/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.00	+ 6 20.3	2.735	3.517	11.0	21.5
1 22	10 13.89	+ 6 55.6	2.641	3.515	8.5	21.3
2 1	10 8.23	+ 7 42.6	2.572	3.513	5.6	21.1
2 11	10 1.49	+ 8 38.3	2.532	3.510	2.4	20.9
2 21	9 54.28	+ 9 38.7	2.522	3.508	1.4	20.8
3 2	9 47.28	+10 39.2	2.543	3.505	4.6	21.0
3 12	9 41.17	+11 35.5	2.593	3.502	7.7	21.2
3 22	9 36.48	+12 24.2	2.669	3.498	10.4	21.4

432112 2009 BH_5 2 16.7 68°.45 3°.1/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.67	+18 4.1	2.106	2.930	12.4	21.2
1 22	10 15.57	+19 15.5	2.038	2.940	9.3	21.0
2 1	10 9.46	+20 33.1	1.996	2.949	5.9	20.8
2 11	10 1.96	+21 49.9	1.982	2.959	3.3	20.7
2 21	9 53.93	+22 58.9	1.998	2.969	4.3	20.7
3 2	9 46.32	+23 54.3	2.042	2.979	7.5	21.0
3 12	9 40.01	+24 32.8	2.112	2.990	10.6	21.2
3 22	9 35.63	+24 53.6	2.205	3.000	13.4	21.4

11095 Havana 2 16.7 330°.06 0°.9/15.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.28	+13 6.9	2.064	2.879	13.0	18.0
1 22	10 15.39	+13 32.7	1.975	2.871	9.8	17.8
2 1	10 9.43	+14 7.6	1.910	2.863	6.2	17.6
2 11	10 2.00	+14 47.4	1.873	2.855	2.2	17.3
2 21	9 53.91	+15 26.9	1.864	2.848	2.3	17.3
3 2	9 46.14	+16 1.0	1.883	2.841	6.3	17.5
3 12	9 39.60	+16 25.8	1.930	2.835	10.1	17.7
3 22	9 34.99	+16 39.0	2.000	2.828	13.4	17.9

129827 1999 NQ_{56} 2 16.7 243°.71 4°.2/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.60	− 0 33.6	2.089	2.843	14.9	20.7
1 22	10 19.55	− 0 47.4	1.977	2.824	12.2	20.5
2 1	10 12.20	− 0 43.9	1.887	2.804	8.9	20.2
2 11	10 3.09	− 0 23.0	1.823	2.784	5.7	20.0
2 21	9 53.03	+ 0 13.2	1.788	2.763	4.2	19.8
3 2	9 43.08	+ 1 0.6	1.782	2.741	6.5	19.9
3 12	9 34.29	+ 1 53.3	1.805	2.718	10.1	20.1
3 22	9 27.50	+ 2 45.5	1.852	2.695	13.7	20.3

97890 2000 QM_{58} 2 16.7 121°.14 3°.0/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.50	+17 12.8	1.715	2.536	14.9	20.3
1 22	10 21.09	+18 11.0	1.651	2.550	11.2	20.1
2 1	10 13.10	+19 16.6	1.611	2.564	7.0	19.9
2 11	10 3.34	+20 21.8	1.598	2.577	3.4	19.7
2 21	9 52.95	+21 18.6	1.613	2.589	4.4	19.8
3 2	9 43.19	+22 0.6	1.657	2.601	8.3	20.0
3 12	9 35.21	+22 24.6	1.726	2.613	12.1	20.3
3 22	9 29.74	+22 30.5	1.818	2.623	15.4	20.5

219824 2002 CH_{17} 2 16.7 137°.73 0°.6/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 25.47	+10 18.6	2.035	2.832	13.8	20.2
1 22	10 19.95	+10 15.6	1.953	2.837	10.6	20.0
2 1	10 12.24	+10 22.0	1.895	2.841	6.8	19.8
2 11	10 3.01	+10 34.9	1.865	2.846	2.7	19.5
2 21	9 53.19	+10 50.6	1.864	2.850	1.8	19.4
3 2	9 43.81	+11 5.1	1.893	2.854	5.9	19.7
3 12	9 35.84	+11 15.0	1.949	2.858	9.8	20.0
3 22	9 29.96	+11 18.1	2.030	2.862	13.1	20.2

10816 1993 FZ_{35} 2 16.7 169°.08 0°.5/16.1 18 R

1 12	10 19.47	+12 0.7	2.786	3.583	10.5	19.4
1 22	10 14.95	+12 34.0	2.700	3.586	7.9	19.2
2 1	10 8.87	+13 14.9	2.639	3.588	4.9	19.0
2 11	10 1.73	+13 59.8	2.608	3.590	1.8	18.8
2 21	9 54.16	+14 44.8	2.608	3.592	1.7	18.8
3 2	9 46.85	+15 25.8	2.638	3.594	4.9	19.0
3 12	9 40.47	+15 59.7	2.697	3.595	7.8	19.2
3 22	9 35.53	+16 24.5	2.782	3.596	10.4	19.4

319427 2006 HC_{102} 2 16.7 185°.41 0°.5/15.9 17

1 12	10 15.96	+12 41.9	3.334	4.132	8.9	21.1
1 22	10 12.09	+13 12.8	3.245	4.132	6.7	20.9
2 1	10 6.98	+13 49.6	3.183	4.132	4.2	20.8
2 11	10 1.02	+14 29.4	3.150	4.132	1.5	20.6
2 21	9 54.71	+15 9.0	3.147	4.132	1.5	20.6
3 2	9 48.60	+15 45.3	3.176	4.131	4.2	20.8
3 12	9 43.22	+16 15.7	3.234	4.131	6.7	20.9
3 22	9 38.99	+16 38.5	3.317	4.130	8.9	21.1

77992 2002 JD_{35} 2 16.7 230°.75 3°.9/13.4 18

1 12	10 24.20	+19 18.5	1.804	2.630	14.1	20.0
1 22	10 19.55	+20 27.1	1.721	2.622	10.7	19.7
2 1	10 12.29	+21 43.1	1.662	2.614	6.9	19.5
2 11	10 3.12	+22 58.4	1.630	2.606	4.1	19.3
2 21	9 53.07	+24 4.2	1.627	2.597	5.3	19.4
3 2	9 43.38	+24 53.5	1.651	2.588	9.0	19.6
3 12	9 35.27	+25 22.2	1.702	2.578	12.8	19.8
3 22	9 29.59	+25 30.2	1.773	2.568	16.2	20.0

8704 Sadakane 2 16.7 98°.42 1°.4/17.5 18

1 12	10 28.61	+ 7 23.9	1.439	2.243	18.1	18.8
1 22	10 22.93	+ 7 33.3	1.378	2.263	14.0	18.6
2 1	10 14.36	+ 7 59.8	1.338	2.283	9.1	18.3
2 11	10 3.83	+ 8 39.0	1.323	2.302	3.9	18.1
2 21	9 52.65	+ 9 24.3	1.335	2.321	2.3	18.0
3 2	9 42.27	+10 8.6	1.375	2.339	7.3	18.4
3 12	9 33.97	+10 45.8	1.441	2.357	12.0	18.7
3 22	9 28.50	+11 12.2	1.529	2.374	15.9	19.0

522677 2016 GN_{267} 2 16.7 170°.88 2°.1/14.5 17

1 12	10 19.56	+15 36.0	2.323	3.138	11.7	21.4
1 22	10 15.37	+16 36.1	2.242	3.139	8.8	21.2
2 1	10 9.32	+17 43.9	2.187	3.140	5.5	21.0
2 11	10 1.96	+18 53.7	2.160	3.140	2.5	20.8
2 21	9 54.04	+19 59.6	2.163	3.141	3.2	20.9
3 2	9 46.42	+20 56.0	2.196	3.142	6.5	21.1
3 12	9 39.94	+21 39.1	2.256	3.142	9.7	21.3
3 22	9 35.20	+22 7.3	2.340	3.142	12.5	21.5

90543 2004 FO_{94} 2 16.7 227°.40 6°.6/10.5 18

1 12	10 27.50	+29 47.8	2.163	2.981	12.3	19.5
1 22	10 21.82	+31 2.4	2.082	2.970	9.8	19.3
2 1	10 13.63	+32 14.7	2.027	2.958	7.5	19.1
2 11	10 3.60	+33 16.0	1.999	2.946	6.6	19.0
2 21	9 52.76	+33 58.9	2.000	2.933	7.7	19.1
3 2	9 42.30	+34 18.5	2.029	2.920	10.2	19.2
3 12	9 33.37	+34 14.0	2.082	2.906	13.0	19.4
3 22	9 26.78	+33 47.8	2.156	2.891	15.5	19.5

172508 2003 SU_{212} 2 16.7 61°.98 5°.9/12.5 18

1 12	10 26.56	+22 21.3	1.374	2.215	16.8	19.6
1 22	10 21.55	+23 51.2	1.334	2.242	12.7	19.4
2 1	10 13.51	+25 23.2	1.317	2.268	8.5	19.3
2 11	10 3.50	+26 45.2	1.325	2.295	6.0	19.2
2 21	9 52.96	+27 47.1	1.360	2.322	7.4	19.3
3 2	9 43.43	+28 22.8	1.420	2.348	10.9	19.6
3 12	9 36.18	+28 31.6	1.504	2.375	14.5	19.9
3 22	9 31.89	+28 16.7	1.607	2.401	17.6	20.2

409808 2006 HX_{78} 2 16.7 189°.07 3°.7/13.6 18

1 12	10 26.60	+20 22.3	1.988	2.806	13.3	22.5
1 22	10 21.06	+21 18.3	1.909	2.805	10.1	22.3
2 1	10 13.09	+22 18.9	1.854	2.804	6.6	22.1
2 11	10 3.38	+23 16.6	1.828	2.802	3.9	21.9
2 21	9 52.95	+24 4.5	1.830	2.800	4.9	22.0
3 2	9 42.95	+24 36.9	1.862	2.797	8.3	22.2
3 12	9 34.48	+24 51.3	1.920	2.793	11.8	22.4
3 22	9 28.30	+24 48.0	2.000	2.788	14.8	22.6

21649 Vardhana 2 16.7 199°.36 1°.6/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 19.85	+ 3 28.4	2.488	3.259	12.3	19.8
1 22	10 15.47	+ 4 8.4	2.390	3.256	9.6	19.6
2 1	10 9.34	+ 5 3.7	2.317	3.251	6.5	19.4
2 11	10 1.97	+ 6 11.3	2.272	3.247	3.2	19.2
2 21	9 54.02	+ 7 26.7	2.257	3.242	1.9	19.0
3 2	9 46.29	+ 8 44.3	2.273	3.236	4.9	19.3
3 12	9 39.54	+ 9 58.4	2.319	3.230	8.3	19.4
3 22	9 34.37	+11 4.4	2.390	3.223	11.3	19.6

411243 2010 RY_{40} 2 16.7 203°.08 1°.8/15.1 17

1 12	10 24.90	+14 58.5	2.096	2.905	13.0	22.3
1 22	10 19.65	+15 43.8	2.008	2.900	9.9	22.1
2 1	10 12.16	+16 37.8	1.943	2.895	6.2	21.8
2 11	10 3.05	+17 34.8	1.908	2.889	2.5	21.6
2 21	9 53.20	+18 28.4	1.902	2.882	3.1	21.6
3 2	9 43.67	+19 13.1	1.926	2.875	6.9	21.8
3 12	9 35.49	+19 44.7	1.977	2.867	10.6	22.0
3 22	9 29.37	+20 1.8	2.052	2.858	13.9	22.2

414882 2010 VW_{219} 2 16.7 60°.56 0°.7/16.2 18

1 12	10 23.93	+12 18.6	1.610	2.429	15.8	21.6
1 22	10 19.25	+12 41.2	1.543	2.440	12.0	21.4
2 1	10 11.99	+13 15.3	1.499	2.451	7.5	21.2
2 11	10 2.97	+13 55.2	1.480	2.463	2.7	20.9
2 21	9 53.31	+14 34.8	1.489	2.474	2.5	20.9
3 2	9 44.27	+15 7.8	1.526	2.486	7.2	21.2
3 12	9 37.00	+15 29.9	1.588	2.498	11.5	21.5
3 22	9 32.20	+15 39.2	1.673	2.510	15.2	21.8

418825 2008 VQ_{79} 2 16.7 191°.72 4°.0/20.0 17

1 12	10 21.71	− 0 18.2	2.257	3.013	13.9	20.8
1 22	10 17.00	− 0 40.8	2.165	3.013	11.2	20.6
2 1	10 10.36	− 0 48.2	2.096	3.012	8.2	20.4
2 11	10 2.36	− 0 40.6	2.052	3.012	5.3	20.2
2 21	9 53.75	− 0 20.0	2.038	3.011	4.0	20.1
3 2	9 45.42	+ 0 10.2	2.052	3.010	5.9	20.2
3 12	9 38.23	+ 0 45.4	2.095	3.009	8.9	20.4
3 22	9 32.81	+ 1 20.9	2.162	3.008	11.8	20.6

415257 2012 KY_{22} 2 16.7 348°.41 4°.5/13.6 17

1 12	10 17.31	+18 28.2	1.229	2.086	17.3	20.2
1 22	10 15.23	+19 31.5	1.157	2.075	13.1	19.9
2 1	10 9.99	+20 45.7	1.106	2.065	8.5	19.6
2 11	10 2.39	+22 0.8	1.078	2.057	4.8	19.3
2 21	9 53.72	+23 5.3	1.075	2.051	6.3	19.4
3 2	9 45.60	+23 49.5	1.096	2.046	10.9	19.6
3 12	9 39.56	+24 8.4	1.139	2.042	15.6	19.9
3 22	9 36.55	+24 1.7	1.200	2.040	19.7	20.1

46577 1992 EK_{12} 2 16.7 88°.73 1°.2/17.8 18

1 12	10 21.02	+ 4 24.1	1.730	2.525	15.9	19.1
1 22	10 16.89	+ 5 18.2	1.660	2.540	12.3	18.9
2 1	10 10.44	+ 6 32.2	1.612	2.555	8.1	18.6
2 11	10 2.41	+ 8 1.1	1.591	2.570	3.5	18.4
2 21	9 53.76	+ 9 36.9	1.598	2.585	2.0	18.3
3 2	9 45.62	+11 10.9	1.635	2.599	6.4	18.6
3 12	9 39.00	+12 35.1	1.698	2.613	10.5	18.9
3 22	9 34.60	+13 44.4	1.786	2.628	14.1	19.2

409108 2003 SD_{433} 2 16.7 229°.54 0°.0/16.7 17

1 12	10 24.36	+10 2.4	1.914	2.715	14.4	22.0
1 22	10 19.48	+10 28.5	1.818	2.705	11.0	21.7
2 1	10 12.19	+11 7.5	1.746	2.694	7.1	21.5
2 11	10 3.11	+11 55.2	1.702	2.683	2.6	21.2
2 21	9 53.17	+12 46.0	1.686	2.672	2.0	21.1
3 2	9 43.51	+13 33.8	1.699	2.659	6.6	21.4
3 12	9 35.24	+14 13.2	1.740	2.647	10.9	21.6
3 22	9 29.16	+14 40.9	1.804	2.633	14.6	21.8

67400 2000 PW_{9} 2 16.7 130°.27 4°.6/13.1 18

1 12	10 27.15	+21 27.3	1.733	2.559	14.6	19.3
1 22	10 21.67	+22 37.5	1.670	2.570	11.0	19.1
2 1	10 13.53	+23 51.4	1.631	2.581	7.3	18.9
2 11	10 3.56	+25 0.0	1.619	2.591	4.7	18.7
2 21	9 52.91	+25 54.8	1.636	2.601	5.9	18.8
3 2	9 42.90	+26 30.0	1.680	2.611	9.4	19.0
3 12	9 34.72	+26 43.4	1.750	2.620	12.9	19.3
3 22	9 29.12	+26 36.5	1.841	2.628	16.0	19.5

120320 2004 LL_{17} 2 16.7 272°.53 5°.9/20.8 18 R

1 12	10 22.51	− 3 24.5	1.920	2.670	16.1	20.1
1 22	10 18.11	− 4 2.4	1.817	2.656	13.4	19.9
2 1	10 11.36	− 4 21.4	1.736	2.642	10.3	19.7
2 11	10 2.83	− 4 20.0	1.678	2.628	7.3	19.5
2 21	9 53.38	− 3 59.1	1.648	2.613	5.9	19.3
3 2	9 44.10	− 3 21.9	1.645	2.599	7.5	19.4
3 12	9 36.09	− 2 34.4	1.669	2.584	10.7	19.5
3 22	9 30.19	− 1 43.2	1.717	2.570	14.1	19.7

94896 2001 YZ_7 2 16.7 250°.95 1°.5/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.75	+14 27.8	1.603	2.422	15.9	19.3
1 22	10 21.75	+14 49.2	1.515	2.412	12.1	19.0
2 1	10 13.84	+15 20.7	1.449	2.402	7.7	18.8
2 11	10 3.77	+15 56.6	1.409	2.392	2.9	18.4
2 21	9 52.68	+16 30.1	1.398	2.381	3.2	18.4
3 2	9 42.00	+16 54.8	1.414	2.370	8.1	18.7
3 12	9 33.10	+17 6.6	1.455	2.359	12.8	18.9
3 22	9 26.90	+17 4.0	1.518	2.348	16.8	19.2

434979 2006 UN_{131} 2 16.7 297°.08 6°.2/23.0 17

1 12	10 17.46	− 9 4.2	2.409	3.120	14.2	20.8
1 22	10 13.78	− 9 22.1	2.309	3.114	12.1	20.6
2 1	10 8.34	− 9 19.8	2.230	3.108	9.7	20.4
2 11	10 1.64	− 8 56.5	2.175	3.102	7.5	20.3
2 21	9 54.34	− 8 13.2	2.147	3.096	6.2	20.2
3 2	9 47.25	− 7 13.5	2.147	3.090	6.8	20.2
3 12	9 41.13	− 6 3.1	2.174	3.084	8.9	20.3
3 22	9 36.61	− 4 48.1	2.227	3.078	11.4	20.5

450099 2015 RZ_{94} 2 16.7 107°.96 2°.4/18.3 18

1 12	10 28.60	+ 4 55.1	1.558	2.348	17.6	22.0
1 22	10 22.76	+ 4 57.3	1.493	2.368	13.7	21.8
2 1	10 14.20	+ 5 17.6	1.450	2.388	9.2	21.6
2 11	10 3.80	+ 5 52.7	1.432	2.408	4.5	21.4
2 21	9 52.77	+ 6 37.2	1.442	2.426	2.8	21.3
3 2	9 42.47	+ 7 24.4	1.480	2.444	6.9	21.6
3 12	9 34.08	+ 8 7.9	1.545	2.462	11.3	21.9
3 22	9 28.35	+ 8 42.9	1.633	2.478	15.1	22.2

245969 2006 SL_{95} 2 16.7 207°.10 0°.4/16.2 17

1 12	10 19.73	+11 53.8	2.821	3.617	10.4	21.5
1 22	10 15.18	+12 22.1	2.727	3.612	7.9	21.3
2 1	10 9.07	+12 57.9	2.659	3.607	4.9	21.1
2 11	10 1.87	+13 38.0	2.620	3.602	1.8	20.9
2 21	9 54.20	+14 18.5	2.611	3.596	1.6	20.9
3 2	9 46.74	+14 55.7	2.634	3.590	4.8	21.1
3 12	9 40.19	+15 26.3	2.685	3.584	7.8	21.3
3 22	9 35.06	+15 48.5	2.762	3.577	10.5	21.4

184035 2004 FF_{67} 2 16.7 191°.31 0°.7/17.5 18

1 12	10 17.86	+ 6 33.7	2.507	3.294	11.8	20.1
1 22	10 13.95	+ 7 16.7	2.416	3.293	9.1	19.9
2 1	10 8.38	+ 8 12.5	2.350	3.293	5.9	19.7
2 11	10 1.64	+ 9 17.9	2.312	3.292	2.5	19.5
2 21	9 54.38	+10 27.9	2.305	3.291	1.5	19.4
3 2	9 47.37	+11 37.3	2.328	3.290	4.9	19.6
3 12	9 41.33	+12 41.0	2.379	3.288	8.2	19.8
3 22	9 36.81	+13 35.3	2.456	3.287	11.1	20.0

203308 2001 SY_{321} 2 16.7 298°.62 0°.7/17.3 17

1 12	10 22.47	+ 9 46.8	2.214	3.010	12.9	19.7
1 22	10 17.64	+ 9 42.2	2.122	3.004	9.9	19.5
2 1	10 10.80	+ 9 46.7	2.054	2.999	6.4	19.2
2 11	10 2.55	+ 9 57.9	2.013	2.994	2.6	19.0
2 21	9 53.69	+10 12.5	2.002	2.989	1.7	18.9
3 2	9 45.13	+10 26.8	2.021	2.984	5.5	19.1
3 12	9 37.77	+10 37.5	2.068	2.979	9.2	19.4
3 22	9 32.27	+10 42.4	2.139	2.974	12.4	19.6

396621 2001 TY_{31} 2 16.7 102°.10 3°.5/14.5 18

1 12	10 31.63	+19 27.9	1.628	2.447	15.7	21.1
1 22	10 24.95	+20 6.7	1.573	2.470	11.8	20.9
2 1	10 15.50	+20 49.5	1.541	2.492	7.5	20.7
2 11	10 4.25	+21 28.4	1.537	2.514	3.9	20.5
2 21	9 52.49	+21 56.2	1.560	2.535	4.7	20.6
3 2	9 41.63	+22 8.5	1.613	2.556	8.6	20.9
3 12	9 32.86	+22 3.9	1.691	2.576	12.4	21.1
3 22	9 26.85	+21 43.7	1.791	2.595	15.7	21.4

56312 1999 RM_{224} 2 16.7 204°.33 3°.4/13.1 18

1 12	10 22.04	+23 13.1	2.738	3.552	10.1	19.0
1 22	10 17.00	+23 52.5	2.656	3.549	7.7	18.8
2 1	10 10.25	+24 32.4	2.600	3.547	5.2	18.7
2 11	10 2.31	+25 8.1	2.574	3.543	3.5	18.5
2 21	9 53.90	+25 35.2	2.577	3.540	4.3	18.6
3 2	9 45.80	+25 50.4	2.610	3.537	6.7	18.7
3 12	9 38.77	+25 52.2	2.671	3.533	9.2	18.9
3 22	9 33.36	+25 40.7	2.755	3.529	11.6	19.0

74912 1999 TE_{140} 2 16.7 260°.62 2°.7/14.8 18

1 12	10 25.62	+17 20.5	1.731	2.553	14.7	19.8
1 22	10 20.75	+17 56.9	1.641	2.541	11.2	19.5
2 1	10 13.16	+18 41.1	1.574	2.528	7.1	19.2
2 11	10 3.53	+19 26.4	1.534	2.514	3.3	19.0
2 21	9 52.93	+20 5.7	1.522	2.501	4.1	19.0
3 2	9 42.69	+20 32.5	1.538	2.487	8.4	19.2
3 12	9 34.09	+20 43.4	1.580	2.473	12.6	19.4
3 22	9 28.02	+20 37.5	1.643	2.459	16.4	19.6

87493 2000 QM_{159} 2 16.7 258°.52 3°.0/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.46	+ 3 50.4	1.934	2.715	15.0	19.6
1 22	10 18.71	+ 3 32.7	1.841	2.709	11.9	19.4
2 1	10 11.66	+ 3 29.6	1.769	2.702	8.3	19.2
2 11	10 2.93	+ 3 40.1	1.724	2.695	4.6	18.9
2 21	9 53.43	+ 4 1.4	1.706	2.688	3.2	18.8
3 2	9 44.21	+ 4 29.4	1.718	2.681	6.2	19.0
3 12	9 36.34	+ 4 58.9	1.757	2.674	10.1	19.2
3 22	9 30.59	+ 5 25.6	1.819	2.667	13.7	19.4

14124 Kamil 2 16.7 96°.49 6°.0/12.4 18

1 12	10 30.20	+27 11.3	1.790	2.614	14.3	18.5
1 22	10 23.84	+28 5.4	1.737	2.631	11.0	18.3
2 1	10 14.80	+28 56.2	1.707	2.648	7.9	18.1
2 11	10 4.01	+29 35.1	1.704	2.664	6.1	18.1
2 21	9 52.71	+29 55.4	1.729	2.681	7.1	18.2
3 2	9 42.26	+29 53.6	1.781	2.697	9.9	18.4
3 12	9 33.79	+29 30.3	1.858	2.712	13.0	18.6
3 22	9 27.98	+28 48.7	1.957	2.728	15.7	18.8

384798 2012 QQ_{27} 2 16.7 97°.55 0°.2/16.5 18

1 12	10 21.67	+11 39.7	2.401	3.200	11.9	21.5
1 22	10 16.76	+11 58.8	2.328	3.214	9.0	21.4
2 1	10 10.09	+12 25.8	2.279	3.227	5.6	21.2
2 11	10 2.26	+12 57.3	2.259	3.241	2.0	21.0
2 21	9 54.00	+13 29.2	2.269	3.254	1.7	21.0
3 2	9 46.14	+13 57.5	2.309	3.267	5.2	21.2
3 12	9 39.44	+14 19.2	2.377	3.280	8.5	21.4
3 22	9 34.44	+14 32.4	2.470	3.293	11.3	21.6

396583 2000 SS 2 16.7 184°.06 1°.5/15.6 18

1 12	10 26.73	+14 22.3	1.889	2.699	14.2	22.3
1 22	10 21.21	+14 55.1	1.807	2.699	10.8	22.1
2 1	10 13.23	+15 36.8	1.748	2.699	6.8	21.9
2 11	10 3.50	+16 21.9	1.717	2.699	2.6	21.6
2 21	9 53.02	+17 4.2	1.715	2.697	2.9	21.6
3 2	9 42.98	+17 37.9	1.742	2.696	7.2	21.9
3 12	9 34.49	+17 59.4	1.796	2.693	11.2	22.1
3 22	9 28.31	+18 7.2	1.874	2.690	14.6	22.3

469019 2015 AU_{238} 2 16.7 270°.28 1°.6/15.3 17

1 12	10 21.31	+15 12.5	2.175	2.988	12.4	21.1
1 22	10 16.90	+15 46.6	2.083	2.979	9.4	20.9
2 1	10 10.42	+16 28.2	2.016	2.969	5.9	20.7
2 11	10 2.45	+17 12.7	1.977	2.959	2.4	20.4
2 21	9 53.81	+17 54.5	1.967	2.949	2.9	20.4
3 2	9 45.45	+18 28.8	1.987	2.938	6.5	20.6
3 12	9 38.31	+18 51.8	2.033	2.928	10.1	20.8
3 22	9 33.06	+19 2.0	2.103	2.918	13.3	21.0

289921 2005 NT_{24} 2 16.7 64°.83 4°.4/19.9 18

1 12	10 22.27	+ 0 2.5	1.755	2.529	16.6	20.9
1 22	10 17.93	− 0 15.1	1.672	2.531	13.4	20.7
2 1	10 11.20	− 0 13.1	1.610	2.534	9.7	20.5
2 11	10 2.77	+ 0 8.0	1.573	2.537	6.1	20.3
2 21	9 53.59	+ 0 45.0	1.563	2.540	4.4	20.2
3 2	9 44.81	+ 1 32.7	1.581	2.543	6.8	20.3
3 12	9 37.51	+ 2 24.5	1.625	2.546	10.5	20.6
3 22	9 32.46	+ 3 13.9	1.693	2.550	14.1	20.8

498911 2009 AQ_{33} 2 16.7 87°.30 1°.8/14.8 18

1 12	10 19.30	+14 28.9	2.275	3.089	12.0	21.0
1 22	10 15.16	+15 32.1	2.205	3.101	8.9	20.8
2 1	10 9.18	+16 43.5	2.159	3.112	5.5	20.6
2 11	10 1.95	+17 57.4	2.143	3.124	2.3	20.4
2 21	9 54.23	+19 7.5	2.156	3.135	3.0	20.5
3 2	9 46.89	+20 8.2	2.199	3.147	6.3	20.7
3 12	9 40.71	+20 55.7	2.269	3.158	9.5	20.9
3 22	9 36.28	+21 28.1	2.363	3.169	12.3	21.1

410040 2006 YX_{24} 2 16.7 42°.33 3°.3/14.4 18

1 12	10 22.82	+17 10.1	1.435	2.273	16.4	20.7
1 22	10 18.69	+18 4.4	1.381	2.288	12.3	20.5
2 1	10 11.76	+19 7.0	1.348	2.304	7.7	20.3
2 11	10 2.95	+20 9.2	1.341	2.321	3.7	20.1
2 21	9 53.51	+21 2.2	1.360	2.338	4.7	20.2
3 2	9 44.84	+21 39.1	1.405	2.355	9.0	20.5
3 12	9 38.16	+21 56.6	1.475	2.373	13.1	20.8
3 22	9 34.16	+21 55.0	1.566	2.391	16.6	21.1

255904 2006 SU_{316} 2 16.7 50°.81 3°.5/14.3 18

1 12	10 24.78	+18 21.7	1.463	2.298	16.3	21.1
1 22	10 20.14	+19 9.0	1.407	2.313	12.2	20.9
2 1	10 12.66	+20 2.9	1.374	2.329	7.7	20.7
2 11	10 3.28	+20 54.7	1.366	2.345	3.9	20.5
2 21	9 53.28	+21 36.4	1.384	2.361	4.9	20.6
3 2	9 44.08	+22 1.9	1.430	2.378	9.0	20.9
3 12	9 36.91	+22 8.6	1.500	2.395	13.1	21.1
3 22	9 32.47	+21 57.2	1.590	2.412	16.6	21.4

488740 2004 RC_{186} 2 16.7 173°.08 0°.9/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 27.83	+13 10.7	1.876	2.681	14.5	21.9
1 22	10 22.02	+13 34.5	1.795	2.684	11.0	21.7
2 1	10 13.73	+14 7.9	1.737	2.687	6.9	21.5
2 11	10 3.69	+14 45.6	1.707	2.689	2.5	21.2
2 21	9 52.92	+15 22.0	1.706	2.691	2.5	21.2
3 2	9 42.63	+15 51.7	1.735	2.691	6.9	21.5
3 12	9 33.92	+16 10.8	1.791	2.691	11.0	21.7
3 22	9 27.55	+16 17.8	1.870	2.691	14.5	21.9

93087 2000 SK_{36} 2 16.7 46°.97 0°.9/17.4 18

1 12	10 19.15	+ 6 4.5	1.683	2.489	15.8	19.3
1 22	10 15.59	+ 6 51.3	1.611	2.499	12.2	19.1
2 1	10 9.71	+ 7 56.8	1.562	2.509	7.9	18.8
2 11	10 2.20	+ 9 15.9	1.539	2.520	3.3	18.6
2 21	9 54.06	+10 40.9	1.544	2.530	1.9	18.5
3 2	9 46.39	+12 3.5	1.577	2.542	6.5	18.8
3 12	9 40.24	+13 16.2	1.636	2.553	10.8	19.1
3 22	9 36.30	+14 14.4	1.719	2.565	14.4	19.3

273841 2007 GN_{39} 2 16.7 101°.26 1°.5/17.9 18

1 12	10 21.35	+ 5 46.4	2.038	2.827	14.0	21.0
1 22	10 16.85	+ 6 5.5	1.961	2.837	10.9	20.8
2 1	10 10.32	+ 6 39.0	1.907	2.848	7.2	20.6
2 11	10 2.39	+ 7 23.8	1.880	2.858	3.3	20.4
2 21	9 53.92	+ 8 15.1	1.882	2.868	2.0	20.3
3 2	9 45.86	+ 9 7.3	1.913	2.877	5.6	20.6
3 12	9 39.10	+ 9 55.3	1.972	2.887	9.3	20.8
3 22	9 34.27	+10 35.0	2.055	2.896	12.6	21.0

317388 2002 OP_{36} 2 16.7 87°.77 1°.9/17.9 18

1 12	10 23.90	+ 4 55.6	1.345	2.154	18.9	20.8
1 22	10 19.73	+ 5 19.5	1.276	2.164	14.7	20.5
2 1	10 12.59	+ 6 6.1	1.228	2.173	9.8	20.3
2 11	10 3.33	+ 7 10.8	1.204	2.183	4.5	20.0
2 21	9 53.21	+ 8 25.7	1.206	2.192	2.6	19.9
3 2	9 43.74	+ 9 41.3	1.235	2.201	7.6	20.2
3 12	9 36.28	+10 48.7	1.288	2.211	12.6	20.5
3 22	9 31.65	+11 41.9	1.363	2.220	16.8	20.8

289066 2004 TK_{207} 2 16.7 138°.80 1°.6/15.4 18

1 12	10 26.82	+14 8.3	1.908	2.716	14.1	21.7
1 22	10 21.13	+14 53.5	1.837	2.729	10.6	21.5
2 1	10 13.08	+15 47.9	1.791	2.742	6.6	21.3
2 11	10 3.42	+16 45.2	1.772	2.754	2.6	21.0
2 21	9 53.16	+17 38.8	1.783	2.765	3.0	21.1
3 2	9 43.44	+18 22.7	1.824	2.776	7.0	21.3
3 12	9 35.30	+18 53.2	1.892	2.786	10.9	21.6
3 22	9 29.42	+19 9.0	1.983	2.795	14.1	21.8

293649 2007 PJ_{3} 2 16.7 185°.65 4°.9/11.5 18

1 12	10 24.58	+19 53.2	1.929	2.751	13.4	20.6
1 22	10 19.79	+22 2.0	1.852	2.752	10.2	20.4
2 1	10 12.48	+24 19.7	1.802	2.751	6.8	20.2
2 11	10 3.29	+26 35.7	1.782	2.750	4.9	20.1
2 21	9 53.20	+28 38.4	1.792	2.748	6.5	20.2
3 2	9 43.39	+30 18.7	1.832	2.746	9.8	20.3
3 12	9 35.06	+31 32.0	1.897	2.742	13.2	20.5
3 22	9 29.04	+32 18.0	1.984	2.738	16.1	20.7

15587 2000 GK_{76} 2 16.7 188°.96 0°.8/15.9 18 R

1 12	10 20.95	+12 59.9	2.244	3.052	12.3	19.4
1 22	10 16.47	+13 27.2	2.160	3.052	9.3	19.2
2 1	10 10.06	+14 2.9	2.101	3.051	5.8	19.0
2 11	10 2.31	+14 42.8	2.069	3.051	2.1	18.7
2 21	9 53.99	+15 22.1	2.067	3.051	2.1	18.7
3 2	9 46.01	+15 56.2	2.094	3.051	5.9	19.0
3 12	9 39.21	+16 21.5	2.149	3.050	9.4	19.2
3 22	9 34.22	+16 36.1	2.228	3.050	12.4	19.4

301695 2010 FP_{95} 2 16.7 205°.20 0°.3/16.5 18

1 12	10 26.11	+10 58.1	1.876	2.678	14.6	21.3
1 22	10 20.82	+11 23.0	1.786	2.674	11.2	21.1
2 1	10 13.05	+11 59.8	1.720	2.668	7.1	20.8
2 11	10 3.48	+12 44.0	1.681	2.663	2.6	20.5
2 21	9 53.08	+13 30.0	1.671	2.656	2.1	20.5
3 2	9 43.03	+14 11.6	1.690	2.649	6.8	20.8
3 12	9 34.46	+14 44.0	1.736	2.641	11.0	21.0
3 22	9 28.19	+15 4.6	1.806	2.633	14.7	21.2

62846 2000 UX_{67} 2 16.7 313°.97 1°.1/15.7 18

1 12	10 20.32	+14 23.1	2.309	3.119	11.9	18.9
1 22	10 15.98	+14 46.3	2.220	3.114	9.0	18.7
2 1	10 9.76	+15 16.5	2.157	3.109	5.6	18.5
2 11	10 2.20	+15 49.7	2.122	3.104	2.1	18.2
2 21	9 54.08	+16 21.3	2.116	3.099	2.3	18.2
3 2	9 46.26	+16 47.2	2.139	3.094	5.9	18.5
3 12	9 39.58	+17 4.1	2.190	3.089	9.3	18.7
3 22	9 34.65	+17 10.6	2.265	3.085	12.3	18.9

496385 2013 TD_{28} 2 16.7 157°.61 0°.4/16.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 25.11	+12 43.8	2.565	3.357	11.4	22.3
1 22	10 19.28	+12 56.4	2.482	3.365	8.6	22.1
2 1	10 11.67	+13 15.5	2.425	3.372	5.4	21.9
2 11	10 2.87	+13 37.8	2.396	3.378	2.0	21.7
2 21	9 53.60	+13 59.7	2.399	3.384	1.7	21.7
3 2	9 44.69	+14 17.9	2.433	3.389	5.2	21.9
3 12	9 36.92	+14 29.7	2.496	3.394	8.4	22.1
3 22	9 30.84	+14 33.8	2.585	3.398	11.1	22.3

115068 2003 RY_{20} 2 16.7 103°.01 0°.5/16.2 18

1 12	10 21.21	+11 14.0	2.137	2.942	12.9	20.3
1 22	10 16.68	+11 51.0	2.063	2.952	9.8	20.1
2 1	10 10.18	+12 38.4	2.013	2.963	6.1	19.9
2 11	10 2.35	+13 31.3	1.991	2.973	2.2	19.6
2 21	9 54.01	+14 24.6	1.998	2.983	2.0	19.6
3 2	9 46.07	+15 12.7	2.035	2.993	5.9	19.9
3 12	9 39.40	+15 51.5	2.100	3.003	9.4	20.1
3 22	9 34.60	+16 18.7	2.189	3.013	12.5	20.3

41681 2000 UA_{10} 2 16.7 19°.40 4°.8/20.7 18

1 12	10 19.62	− 2 20.2	1.854	2.618	16.2	19.2
1 22	10 15.84	− 2 28.3	1.768	2.619	13.2	19.0
2 1	10 9.85	− 2 15.1	1.704	2.620	9.8	18.8
2 11	10 2.29	− 1 41.1	1.664	2.622	6.5	18.6
2 21	9 54.03	− 0 49.5	1.651	2.624	4.8	18.5
3 2	9 46.11	+ 0 14.3	1.665	2.626	6.6	18.6
3 12	9 39.54	+ 1 22.9	1.706	2.628	10.0	18.8
3 22	9 35.03	+ 2 29.3	1.772	2.631	13.4	19.0

421738 2014 PW_{42} 2 16.7 80°.07 1°.6/15.8 18

1 12	10 31.75	+16 32.7	1.685	2.497	15.6	21.0
1 22	10 24.92	+16 31.7	1.625	2.518	11.7	20.8
2 1	10 15.44	+16 35.7	1.588	2.539	7.3	20.6
2 11	10 4.27	+16 39.7	1.579	2.560	2.8	20.3
2 21	9 52.63	+16 39.1	1.598	2.581	3.0	20.4
3 2	9 41.86	+16 30.5	1.646	2.602	7.3	20.7
3 12	9 33.08	+16 12.4	1.722	2.622	11.3	21.0
3 22	9 26.94	+15 45.1	1.820	2.642	14.8	21.2

347990 2003 SO_{136} 2 16.7 56°.49 0°.8/16.1 18

1 12	10 23.29	+10 51.6	1.377	2.203	17.6	20.6
1 22	10 19.07	+11 37.4	1.321	2.222	13.3	20.4
2 1	10 12.03	+12 38.8	1.287	2.241	8.3	20.2
2 11	10 3.08	+13 48.3	1.278	2.261	2.9	19.9
2 21	9 53.50	+14 56.9	1.296	2.281	2.8	19.9
3 2	9 44.70	+15 56.1	1.340	2.301	7.9	20.3
3 12	9 37.91	+16 40.0	1.410	2.322	12.5	20.6
3 22	9 33.84	+17 6.3	1.500	2.342	16.3	20.9

368208 2001 QH_{333} 2 16.7 214°.75 5°.4/10.9 18

1 12	10 26.03	+27 28.6	2.455	3.269	11.2	21.1
1 22	10 20.44	+28 44.9	2.371	3.260	8.7	20.9
2 1	10 12.67	+30 0.7	2.314	3.249	6.4	20.8
2 11	10 3.32	+31 8.7	2.285	3.238	5.4	20.7
2 21	9 53.25	+32 2.2	2.287	3.226	6.5	20.7
3 2	9 43.45	+32 36.5	2.317	3.213	8.9	20.9
3 12	9 34.92	+32 49.9	2.373	3.200	11.5	21.0
3 22	9 28.37	+32 43.6	2.451	3.186	13.8	21.2

419157 2009 SN_{337} 2 16.7 157°.38 3°.3/13.6 17

1 12	10 27.15	+22 20.5	2.565	3.371	11.0	22.1
1 22	10 20.88	+23 0.7	2.491	3.381	8.3	21.9
2 1	10 12.71	+23 41.8	2.443	3.389	5.5	21.7
2 11	10 3.26	+24 18.3	2.425	3.397	3.4	21.6
2 21	9 53.35	+24 45.6	2.438	3.404	4.2	21.7
3 2	9 43.88	+25 0.3	2.481	3.410	6.8	21.8
3 12	9 35.66	+25 1.0	2.553	3.416	9.6	22.0
3 22	9 29.29	+24 48.3	2.648	3.420	12.0	22.2

382131 2011 JS_{30} 2 16.7 150°.93 2°.1/14.7 18

1 12	10 21.00	+16 26.2	2.325	3.139	11.7	20.9
1 22	10 16.46	+17 12.3	2.246	3.142	8.8	20.7
2 1	10 10.04	+18 4.6	2.193	3.145	5.5	20.5
2 11	10 2.31	+18 58.0	2.168	3.148	2.5	20.3
2 21	9 54.05	+19 46.9	2.172	3.150	3.2	20.4
3 2	9 46.13	+20 26.7	2.207	3.153	6.4	20.6
3 12	9 39.39	+20 54.2	2.268	3.155	9.6	20.8
3 22	9 34.43	+21 8.2	2.354	3.158	12.4	21.0

330915 2009 SN_{102} 2 16.7 87°.92 6°.3/11.3 18

1 12	10 28.51	+29 17.8	2.066	2.885	12.8	20.7
1 22	10 22.24	+30 28.8	2.024	2.913	10.0	20.6
2 1	10 13.65	+31 34.9	2.007	2.940	7.5	20.5
2 11	10 3.60	+32 27.7	2.017	2.967	6.3	20.5
2 21	9 53.16	+33 1.3	2.056	2.993	7.3	20.6
3 2	9 43.49	+33 12.7	2.123	3.019	9.6	20.8
3 12	9 35.56	+33 2.3	2.215	3.045	12.1	21.0
3 22	9 29.98	+32 33.2	2.327	3.070	14.3	21.2

402070 2003 UB_{25} 2 16.7 176°.38 1°.8/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 24.88	+ 5 3.7	2.158	2.934	13.8	22.3
1 22	10 19.50	+ 5 15.5	2.068	2.936	10.8	22.1
2 1	10 12.03	+ 5 41.3	2.003	2.939	7.3	21.9
2 11	10 3.07	+ 6 18.7	1.965	2.940	3.5	21.6
2 21	9 53.48	+ 7 3.5	1.956	2.941	2.2	21.5
3 2	9 44.21	+ 7 50.9	1.978	2.941	5.6	21.8
3 12	9 36.20	+ 8 35.5	2.028	2.940	9.3	22.0
3 22	9 30.14	+ 9 13.6	2.104	2.938	12.6	22.2

369904 2012 VT_{100} 2 16.7 211°.11 0°.4/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.77	+11 32.0	2.764	3.559	10.6	21.8
1 22	10 15.29	+12 4.5	2.669	3.554	8.0	21.6
2 1	10 9.20	+12 45.2	2.600	3.548	5.1	21.4
2 11	10 2.00	+13 30.7	2.559	3.541	1.8	21.2
2 21	9 54.29	+14 16.8	2.550	3.535	1.6	21.2
3 2	9 46.80	+14 59.6	2.571	3.527	4.9	21.4
3 12	9 40.22	+15 35.6	2.621	3.520	8.0	21.6
3 22	9 35.08	+16 2.6	2.696	3.512	10.7	21.8

310749 2002 QL_{147} 2 16.7 357°.70 2°.3/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.47	+15 13.8	1.295	2.137	17.5	19.9
1 22	10 18.17	+15 46.7	1.224	2.134	13.3	19.7
2 1	10 11.76	+16 31.5	1.174	2.132	8.4	19.4
2 11	10 3.09	+17 20.5	1.148	2.131	3.4	19.1
2 21	9 53.47	+18 5.0	1.148	2.130	4.0	19.1
3 2	9 44.46	+18 37.2	1.173	2.131	9.2	19.4
3 12	9 37.51	+18 52.1	1.220	2.132	14.0	19.7
3 22	9 33.53	+18 48.7	1.288	2.135	18.2	19.9

8429 1997 YK_{4} 2 16.7 214°.01 1°.6/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.36	+16 29.4	2.663	3.469	10.6	18.4
1 22	10 16.54	+17 0.5	2.572	3.464	8.0	18.2
2 1	10 10.02	+17 36.6	2.508	3.459	5.0	18.0
2 11	10 2.30	+18 13.6	2.472	3.453	2.2	17.8
2 21	9 54.07	+18 47.3	2.467	3.447	2.6	17.8
3 2	9 46.10	+19 13.9	2.493	3.441	5.7	18.0
3 12	9 39.15	+19 30.9	2.546	3.434	8.7	18.2
3 22	9 33.76	+19 37.0	2.624	3.427	11.3	18.4

108773 2001 OD_{53} 2 16.7 1°.02 4°.7/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.60	+24 25.1	2.142	2.968	12.2	19.1
1 22	10 17.93	+25 20.5	2.069	2.967	9.3	19.0
2 1	10 11.08	+26 16.4	2.021	2.967	6.4	18.8
2 11	10 2.73	+27 6.0	2.001	2.967	4.7	18.7
2 21	9 53.77	+27 43.1	2.009	2.967	5.7	18.7
3 2	9 45.26	+28 3.3	2.046	2.968	8.5	18.9
3 12	9 38.14	+28 5.1	2.108	2.968	11.4	19.1
3 22	9 33.08	+27 49.4	2.191	2.968	14.1	19.3

317567 2002 VV_{109} 2 16.7 83°.06 1°.4/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.62	+ 6 50.8	1.765	2.559	15.7	20.8
1 22	10 20.20	+ 7 1.7	1.703	2.583	12.1	20.6
2 1	10 12.47	+ 7 27.1	1.664	2.607	7.9	20.4
2 11	10 3.21	+ 8 3.4	1.652	2.631	3.5	20.2
2 21	9 53.46	+ 8 45.4	1.668	2.654	2.1	20.2
3 2	9 44.37	+ 9 27.3	1.713	2.677	6.2	20.5
3 12	9 36.93	+10 3.9	1.786	2.700	10.2	20.8
3 22	9 31.77	+10 31.8	1.881	2.722	13.6	21.0

357391 2003 UO_{113} 2 16.7 188°.99 0°.2/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.96	+ 9 55.4	2.150	2.945	13.2	21.8
1 22	10 18.89	+10 38.1	2.061	2.944	10.1	21.6
2 1	10 11.69	+11 33.1	1.996	2.943	6.4	21.3
2 11	10 2.98	+12 35.9	1.959	2.941	2.3	21.1
2 21	9 53.58	+13 40.6	1.952	2.938	1.9	21.0
3 2	9 44.48	+14 41.1	1.976	2.934	6.1	21.3
3 12	9 36.64	+15 32.3	2.028	2.929	9.8	21.5
3 22	9 30.75	+16 11.2	2.104	2.924	13.1	21.7

210581 1999 VP_{102} 2 16.7 200°.72 1°.5/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.85	+ 5 59.2	2.044	2.828	14.2	21.1
1 22	10 18.90	+ 6 16.0	1.951	2.825	11.0	20.9
2 1	10 11.76	+ 6 47.4	1.881	2.821	7.4	20.7
2 11	10 3.02	+ 7 30.5	1.839	2.817	3.4	20.4
2 21	9 53.55	+ 8 20.8	1.826	2.811	2.0	20.3
3 2	9 44.37	+ 9 12.6	1.842	2.806	5.9	20.5
3 12	9 36.48	+10 0.6	1.887	2.799	9.8	20.8
3 22	9 30.61	+10 40.4	1.956	2.792	13.3	21.0

158322 2001 VY_{89} 2 16.7 94°.78 0°.1/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.69	+ 7 45.5	1.553	2.360	16.9	20.5
1 22	10 19.87	+ 8 43.3	1.492	2.382	12.8	20.3
2 1	10 12.45	+ 9 59.1	1.454	2.403	8.1	20.1
2 11	10 3.26	+11 26.2	1.441	2.423	3.0	19.8
2 21	9 53.45	+12 55.4	1.457	2.443	2.2	19.8
3 2	9 44.31	+14 17.6	1.502	2.463	7.2	20.2
3 12	9 36.99	+15 25.8	1.572	2.482	11.6	20.5
3 22	9 32.19	+16 16.4	1.665	2.501	15.3	20.7

361178 2006 PH_{18} 2 16.7 168°.25 0°.9/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 24.31	+12 17.2	2.014	2.819	13.6	21.8
1 22	10 19.23	+12 57.2	1.933	2.823	10.3	21.5
2 1	10 11.94	+13 47.7	1.876	2.826	6.5	21.3
2 11	10 3.08	+14 43.6	1.847	2.829	2.3	21.1
2 21	9 53.56	+15 38.7	1.847	2.831	2.4	21.1
3 2	9 44.43	+16 27.3	1.877	2.833	6.5	21.3
3 12	9 36.70	+17 4.7	1.935	2.834	10.3	21.6
3 22	9 31.05	+17 28.9	2.016	2.835	13.6	21.8

505930 2015 FT_{8} 2 16.7 296°.84 6°.7/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.53	+31 37.1	2.226	3.045	12.0	20.9
1 22	10 20.34	+32 32.2	2.140	3.027	9.6	20.7
2 1	10 12.75	+33 23.0	2.079	3.008	7.6	20.5
2 11	10 3.41	+34 1.7	2.046	2.989	6.7	20.4
2 21	9 53.31	+34 22.0	2.039	2.970	7.8	20.5
3 2	9 43.58	+34 20.0	2.060	2.952	10.1	20.6
3 12	9 35.33	+33 55.2	2.106	2.933	12.7	20.7
3 22	9 29.32	+33 10.1	2.172	2.915	15.2	20.8

386212 2007 VE_{329} 2 16.7 76°.36 9°.2/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.80	−17 9.9	2.474	3.112	15.5	20.5
1 22	10 19.23	−18 29.8	2.400	3.132	13.8	20.4
2 1	10 11.76	−19 28.3	2.346	3.153	11.9	20.3
2 11	10 2.98	−20 2.0	2.314	3.173	10.3	20.2
2 21	9 53.65	−20 9.9	2.308	3.193	9.3	20.2
3 2	9 44.65	−19 53.7	2.328	3.213	9.3	20.2
3 12	9 36.81	−19 17.8	2.374	3.233	10.3	20.3
3 22	9 30.74	−18 28.6	2.443	3.253	11.8	20.4

132168 2002 EC_{19} 2 16.7 284°.50 2°.3/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.51	+ 5 55.4	1.567	2.370	17.0	19.9
1 22	10 19.41	+ 5 50.3	1.471	2.354	13.4	19.7
2 1	10 12.50	+ 6 2.3	1.396	2.339	9.1	19.4
2 11	10 3.43	+ 6 29.5	1.346	2.323	4.4	19.1
2 21	9 53.25	+ 7 7.5	1.323	2.308	2.7	18.9
3 2	9 43.31	+ 7 50.1	1.326	2.292	7.3	19.1
3 12	9 34.98	+ 8 30.5	1.356	2.277	12.2	19.4
3 22	9 29.24	+ 9 3.4	1.407	2.262	16.5	19.6

425511 2010 JR_{61} 2 16.7 255°.25 1°.4/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.45	+ 3 29.8	2.831	3.600	11.0	21.4
1 22	10 13.59	+ 4 9.7	2.719	3.583	8.7	21.2
2 1	10 8.19	+ 5 3.6	2.632	3.566	5.9	21.0
2 11	10 1.68	+ 6 8.9	2.574	3.548	2.9	20.8
2 21	9 54.61	+ 7 21.8	2.546	3.531	1.7	20.7
3 2	9 47.66	+ 8 37.6	2.549	3.512	4.5	20.9
3 12	9 41.50	+ 9 51.0	2.582	3.494	7.5	21.0
3 22	9 36.68	+10 58.0	2.642	3.475	10.4	21.2

98482 2000 UL_{101} 2 16.7 195°.06 3°.5/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.21	+19 25.1	1.810	2.631	14.3	19.0
1 22	10 21.78	+20 11.6	1.731	2.629	10.8	18.8
2 1	10 13.72	+21 3.5	1.676	2.627	7.0	18.5
2 11	10 3.79	+21 53.4	1.648	2.625	3.8	18.3
2 21	9 53.05	+22 34.2	1.649	2.622	4.8	18.4
3 2	9 42.80	+22 59.9	1.678	2.619	8.5	18.6
3 12	9 34.23	+23 8.0	1.732	2.615	12.3	18.8
3 22	9 28.13	+22 58.7	1.809	2.611	15.7	19.0

369294 2009 RA_{76} 2 16.7 228°.24 1°.2/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.01	+ 7 0.8	2.228	3.013	13.1	21.9
1 22	10 18.16	+ 7 15.0	2.128	3.003	10.2	21.7
2 1	10 11.26	+ 7 41.9	2.051	2.992	6.8	21.4
2 11	10 2.86	+ 8 18.7	2.002	2.980	3.0	21.2
2 21	9 53.73	+ 9 1.5	1.982	2.968	1.8	21.1
3 2	9 44.82	+ 9 45.4	1.993	2.955	5.6	21.3
3 12	9 37.05	+10 25.6	2.032	2.942	9.3	21.5
3 22	9 31.13	+10 58.5	2.095	2.929	12.7	21.7

82604 2001 OS_{96} 2 16.7 207°.15 4°.7/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.70	− 4 42.4	2.390	3.119	13.9	20.5
1 22	10 17.03	− 4 44.7	2.287	3.113	11.5	20.3
2 1	10 10.47	− 4 28.3	2.207	3.107	8.8	20.1
2 11	10 2.55	− 3 53.3	2.152	3.100	6.1	19.9
2 21	9 53.97	− 3 1.9	2.125	3.092	4.7	19.8
3 2	9 45.58	− 1 58.2	2.129	3.083	6.0	19.9
3 12	9 38.23	− 0 48.2	2.161	3.074	8.7	20.0
3 22	9 32.55	+ 0 22.2	2.219	3.064	11.6	20.2

430729 2004 FD_{130} 2 16.7 308°.14 7°.9/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.79	+33 33.5	2.050	2.873	12.7	20.6
1 22	10 20.11	+34 45.3	1.966	2.851	10.4	20.4
2 1	10 12.77	+35 51.9	1.907	2.830	8.5	20.2
2 11	10 3.48	+36 44.3	1.874	2.808	8.0	20.2
2 21	9 53.29	+37 14.8	1.868	2.786	9.2	20.2
3 2	9 43.47	+37 18.8	1.887	2.765	11.5	20.3
3 12	9 35.27	+36 55.8	1.929	2.744	14.2	20.4
3 22	9 29.53	+36 8.9	1.991	2.724	16.7	20.6

346837 2009 DD_{44} 2 16.7 27.°88 0.°1/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.01	+11 49.7	2.292	3.093	12.3	20.9
1 22	10 17.23	+11 57.4	2.206	3.093	9.4	20.7
2 1	10 10.56	+12 13.1	2.145	3.094	5.9	20.5
2 11	10 2.56	+12 33.5	2.113	3.094	2.2	20.2
2 21	9 54.03	+12 54.8	2.109	3.095	1.7	20.2
3 2	9 45.84	+13 13.4	2.136	3.096	5.5	20.4
3 12	9 38.83	+13 26.1	2.190	3.096	9.0	20.7
3 22	9 33.60	+13 31.1	2.269	3.097	12.0	20.9

222269 2000 RL_{13} 2 16.7 127.°03 2.°8/18.9 18

1 12	10 25.17	+ 3 19.8	2.203	2.970	13.8	20.8
1 22	10 19.59	+ 3 5.2	2.123	2.983	10.9	20.6
2 1	10 12.02	+ 3 4.0	2.066	2.995	7.6	20.4
2 11	10 3.09	+ 3 14.9	2.037	3.006	4.3	20.2
2 21	9 53.64	+ 3 35.1	2.037	3.018	2.9	20.1
3 2	9 44.61	+ 4 1.0	2.067	3.028	5.5	20.3
3 12	9 36.85	+ 4 28.2	2.126	3.039	8.8	20.6
3 22	9 30.98	+ 4 52.9	2.209	3.049	11.9	20.8

370777 2004 RV_{339} 2 16.7 103.°46 4.°0/13.4 18

1 12	10 26.45	+22 40.4	2.096	2.914	12.7	20.9
1 22	10 20.68	+23 25.0	2.034	2.930	9.6	20.7
2 1	10 12.73	+24 10.5	1.998	2.946	6.4	20.5
2 11	10 3.34	+24 50.3	1.990	2.961	4.1	20.4
2 21	9 53.49	+25 18.6	2.011	2.976	5.0	20.5
3 2	9 44.23	+25 31.6	2.061	2.991	7.9	20.7
3 12	9 36.51	+25 28.4	2.137	3.006	10.9	20.9
3 22	9 30.95	+25 9.8	2.236	3.020	13.6	21.1

366356 1999 UV_{52} 2 16.7 64.°05 6.°2/11.3 18

1 12	10 27.49	+26 31.0	1.840	2.666	13.8	20.8
1 22	10 21.61	+28 6.4	1.810	2.706	10.6	20.7
2 1	10 13.31	+29 38.0	1.806	2.746	7.6	20.6
2 11	10 3.52	+30 56.3	1.829	2.785	6.2	20.6
2 21	9 53.40	+31 53.7	1.881	2.824	7.4	20.8
3 2	9 44.15	+32 26.7	1.959	2.862	9.9	21.0
3 12	9 36.76	+32 35.4	2.063	2.900	12.5	21.2
3 22	9 31.80	+32 22.9	2.187	2.938	14.8	21.5

491162 2011 SJ_{230} 2 16.7 140.°62 4.°9/13.0 18

1 12	10 29.93	+23 30.1	1.852	2.671	14.0	22.0
1 22	10 23.68	+24 28.9	1.788	2.683	10.7	21.8
2 1	10 14.81	+25 28.8	1.748	2.694	7.3	21.6
2 11	10 4.16	+26 21.2	1.737	2.705	5.0	21.5
2 21	9 52.87	+26 58.8	1.753	2.715	6.0	21.6
3 2	9 42.26	+27 17.0	1.799	2.724	9.2	21.8
3 12	9 33.47	+27 14.6	1.870	2.733	12.5	22.0
3 22	9 27.23	+26 53.6	1.962	2.741	15.4	22.2

370986 2005 SU_{287} 2 16.7 211.°57 0.°4/16.4 18

1 12	10 20.36	+ 9 8.7	2.017	2.820	13.7	21.6
1 22	10 16.34	+10 8.0	1.929	2.817	10.4	21.3
2 1	10 10.18	+11 22.2	1.864	2.814	6.6	21.1
2 11	10 2.48	+12 46.1	1.828	2.810	2.4	20.8
2 21	9 54.07	+14 12.7	1.821	2.806	2.1	20.8
3 2	9 45.94	+15 34.5	1.844	2.802	6.3	21.1
3 12	9 39.07	+16 45.2	1.894	2.798	10.3	21.3
3 22	9 34.16	+17 40.8	1.968	2.793	13.7	21.5

498980 2009 BB_{149} 2 16.7 120.°98 0.°8/17.5 17

1 12	10 23.11	+ 8 47.7	2.576	3.359	11.6	21.7
1 22	10 17.76	+ 8 48.7	2.496	3.371	8.9	21.5
2 1	10 10.73	+ 8 58.3	2.442	3.384	5.8	21.3
2 11	10 2.59	+ 9 14.2	2.416	3.395	2.4	21.1
2 21	9 54.03	+ 9 33.2	2.421	3.407	1.5	21.1
3 2	9 45.84	+ 9 52.2	2.457	3.418	4.7	21.3
3 12	9 38.73	+10 8.2	2.521	3.429	7.9	21.5
3 22	9 33.22	+10 19.1	2.612	3.440	10.6	21.7

428925 2008 WA_{61} 2 16.7 74.°59 0.°8/15.9 18

1 12	10 22.44	+12 24.4	2.084	2.891	13.2	21.7
1 22	10 17.55	+13 1.9	2.024	2.915	9.9	21.5
2 1	10 10.70	+13 48.4	1.989	2.939	6.1	21.3
2 11	10 2.59	+14 38.7	1.981	2.963	2.2	21.1
2 21	9 54.06	+15 27.5	2.003	2.987	2.2	21.1
3 2	9 46.06	+16 9.6	2.054	3.010	6.0	21.4
3 12	9 39.43	+16 41.4	2.133	3.034	9.4	21.7
3 22	9 34.73	+17 1.4	2.236	3.057	12.4	21.9

210109 2006 QD_{154} 2 16.7 90.°91 0.°1/16.8 17

1 12	10 21.22	+10 47.8	2.330	3.129	12.2	21.0
1 22	10 16.57	+11 3.3	2.251	3.136	9.3	20.9
2 1	10 10.09	+11 27.6	2.196	3.144	5.9	20.7
2 11	10 2.38	+11 57.4	2.170	3.151	2.2	20.4
2 21	9 54.19	+12 28.7	2.172	3.159	1.6	20.4
3 2	9 46.36	+12 57.5	2.205	3.166	5.3	20.7
3 12	9 39.69	+13 20.3	2.266	3.173	8.7	20.9
3 22	9 34.75	+13 34.9	2.352	3.180	11.6	21.1

78095 2002 LN_{33} 2 16.7 231.°61 3.°7/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 24.90	+ 0 37.1	2.146	2.903	14.4	20.3
1 22	10 19.74	+ 0 25.3	2.039	2.890	11.7	20.1
2 1	10 12.36	+ 0 29.7	1.954	2.875	8.5	19.8
2 11	10 3.32	+ 0 49.7	1.896	2.860	5.2	19.6
2 21	9 53.43	+ 1 23.1	1.866	2.843	3.8	19.5
3 2	9 43.69	+ 2 5.8	1.867	2.827	6.1	19.6
3 12	9 35.11	+ 2 52.3	1.895	2.809	9.7	19.8
3 22	9 28.48	+ 3 37.4	1.949	2.791	13.1	19.9

221968 1995 SF_{75} 2 16.7 78.°18 0.°3/16.5 18

1 12	10 22.34	+10 54.4	1.893	2.702	14.2	20.4
1 22	10 17.79	+11 22.4	1.821	2.712	10.8	20.1
2 1	10 11.03	+12 1.7	1.773	2.723	6.8	19.9
2 11	10 2.78	+12 47.8	1.751	2.734	2.5	19.7
2 21	9 53.94	+13 34.8	1.759	2.744	2.0	19.7
3 2	9 45.59	+14 17.2	1.795	2.755	6.3	20.0
3 12	9 38.69	+14 50.3	1.857	2.766	10.2	20.2
3 22	9 33.89	+15 11.9	1.944	2.776	13.5	20.4

271604 2004 PR_{6} 2 16.7 259.°52 2.°1/18.1 17

1 12	10 25.70	+ 6 37.2	2.066	2.849	14.1	20.7
1 22	10 20.41	+ 6 18.8	1.961	2.833	11.1	20.4
2 1	10 12.82	+ 6 11.6	1.880	2.818	7.5	20.2
2 11	10 3.51	+ 6 14.3	1.826	2.801	3.7	19.9
2 21	9 53.34	+ 6 24.3	1.801	2.785	2.4	19.8
3 2	9 43.37	+ 6 38.0	1.805	2.768	6.0	20.0
3 12	9 34.65	+ 6 51.6	1.838	2.751	10.0	20.2
3 22	9 28.00	+ 7 1.7	1.895	2.734	13.6	20.4

268602 2006 BA_{251} 2 16.7 191.°32 0.°9/17.5 17

1 12	10 20.96	+ 7 12.8	2.135	2.927	13.4	21.5
1 22	10 16.63	+ 7 38.1	2.047	2.927	10.3	21.2
2 1	10 10.28	+ 8 16.8	1.982	2.926	6.8	21.0
2 11	10 2.52	+ 9 5.6	1.945	2.925	2.9	20.8
2 21	9 54.14	+ 9 59.7	1.937	2.924	1.7	20.7
3 2	9 46.05	+10 53.5	1.959	2.922	5.6	20.9
3 12	9 39.17	+11 41.9	2.009	2.921	9.3	21.2
3 22	9 34.15	+12 21.2	2.083	2.919	12.6	21.4

461407 2001 SP_{323} 2 16.7 83.°40 3.°2/14.1 18

1 12	10 25.12	+18 7.2	1.806	2.628	14.2	21.4
1 22	10 19.93	+19 8.9	1.751	2.651	10.6	21.2
2 1	10 12.37	+20 16.2	1.721	2.674	6.7	21.0
2 11	10 3.26	+21 21.4	1.718	2.696	3.5	20.9
2 21	9 53.66	+22 17.1	1.744	2.718	4.5	21.0
3 2	9 44.73	+22 57.7	1.799	2.740	8.0	21.2
3 12	9 37.47	+23 20.5	1.879	2.762	11.5	21.5
3 22	9 32.53	+23 25.7	1.981	2.783	14.5	21.7

298954 2004 TL_{335} 2 16.7 63.°76 0.°9/16.2 18

1 12	10 26.19	+12 3.8	1.353	2.178	17.9	20.7
1 22	10 21.34	+12 33.9	1.298	2.198	13.5	20.5
2 1	10 13.53	+13 17.6	1.264	2.218	8.5	20.2
2 11	10 3.74	+14 7.9	1.256	2.238	3.0	20.0
2 21	9 53.33	+14 56.7	1.273	2.259	2.8	20.0
3 2	9 43.77	+15 36.7	1.318	2.279	8.0	20.4
3 12	9 36.36	+16 3.0	1.387	2.299	12.7	20.7
3 22	9 31.80	+16 13.9	1.478	2.320	16.5	21.0

47462 1999 XG_{256} 2 16.7 32.°32 0.°2/16.9 18

1 12	10 25.84	+11 18.4	1.505	2.322	16.8	18.8
1 22	10 21.03	+11 15.5	1.431	2.326	12.9	18.6
2 1	10 13.38	+11 24.4	1.379	2.329	8.3	18.3
2 11	10 3.74	+11 41.0	1.352	2.334	3.1	18.0
2 21	9 53.29	+12 0.1	1.352	2.338	2.2	18.0
3 2	9 43.44	+12 16.2	1.379	2.343	7.4	18.3
3 12	9 35.48	+12 25.1	1.432	2.348	12.0	18.6
3 22	9 30.21	+12 24.3	1.507	2.353	16.0	18.8

404204 2013 CK_{152} 2 16.7 271.°95 2.°5/14.8 18

1 12	10 22.42	+14 1.3	1.526	2.354	16.1	20.8
1 22	10 18.66	+15 6.7	1.442	2.346	12.2	20.6
2 1	10 12.06	+16 26.8	1.381	2.337	7.7	20.3
2 11	10 3.32	+17 53.8	1.346	2.328	3.2	20.0
2 21	9 53.54	+19 17.6	1.338	2.319	4.1	20.0
3 2	9 44.12	+20 28.8	1.357	2.310	8.9	20.3
3 12	9 36.44	+21 20.6	1.401	2.300	13.5	20.5
3 22	9 31.42	+21 50.5	1.466	2.291	17.5	20.8

111780 2002 CR_{174} 2 16.7 321.°86 3.°8/14.4 18

1 12	10 25.91	+19 4.2	1.455	2.290	16.4	19.4
1 22	10 21.39	+19 44.3	1.380	2.286	12.5	19.1
2 1	10 13.78	+20 31.3	1.327	2.282	8.0	18.9
2 11	10 3.93	+21 16.8	1.299	2.278	4.2	18.6
2 21	9 53.13	+21 52.3	1.298	2.275	5.2	18.7
3 2	9 42.91	+22 11.1	1.323	2.271	9.6	18.9
3 12	9 34.71	+22 10.3	1.373	2.268	14.0	19.2
3 22	9 29.42	+21 50.5	1.442	2.266	17.9	19.4

451234 2010 EW_{41} 2 16.7 61°.21 1°.9/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.23	+ 5 17.6	1.324	2.136	19.0	21.2
1 22	10 19.29	+ 5 36.9	1.257	2.146	14.8	21.0
2 1	10 12.39	+ 6 18.2	1.211	2.157	9.8	20.7
2 11	10 3.40	+ 7 17.2	1.189	2.167	4.5	20.4
2 21	9 53.57	+ 8 26.2	1.192	2.178	2.6	20.3
3 2	9 44.40	+ 9 35.9	1.222	2.189	7.6	20.7
3 12	9 37.24	+10 37.7	1.276	2.200	12.5	21.0
3 22	9 32.91	+11 26.0	1.352	2.211	16.8	21.3

7263 Takayamada 2 16.7 246°.19 1°.5/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.15	+13 34.6	1.460	2.283	17.0	18.0
1 22	10 22.40	+14 2.8	1.374	2.273	13.0	17.7
2 1	10 14.53	+14 43.7	1.310	2.264	8.3	17.4
2 11	10 4.27	+15 31.1	1.271	2.253	3.1	17.1
2 21	9 52.86	+16 17.0	1.259	2.243	3.3	17.1
3 2	9 41.87	+16 53.8	1.274	2.232	8.6	17.4
3 12	9 32.80	+17 16.1	1.314	2.221	13.6	17.6
3 22	9 26.66	+17 21.9	1.375	2.210	17.9	17.8

396838 2004 RG_{183} 2 16.7 158°.03 0°.6/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.44	+ 8 20.7	2.030	2.819	14.1	22.4
1 22	10 20.80	+ 8 47.2	1.949	2.828	10.8	22.2
2 1	10 12.94	+ 9 26.6	1.892	2.836	7.0	22.0
2 11	10 3.52	+10 15.0	1.863	2.843	2.8	21.7
2 21	9 53.48	+11 6.8	1.864	2.850	1.8	21.6
3 2	9 43.85	+11 56.6	1.894	2.855	6.0	21.9
3 12	9 35.64	+12 39.2	1.953	2.860	9.9	22.2
3 22	9 29.52	+13 11.7	2.037	2.864	13.2	22.4

464175 2015 AT_{136} 2 16.7 105°.06 1°.5/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.85	+13 58.2	2.076	2.888	13.0	21.1
1 22	10 17.30	+14 45.5	2.004	2.898	9.8	20.9
2 1	10 10.69	+15 41.7	1.956	2.908	6.1	20.6
2 11	10 2.68	+16 41.0	1.936	2.918	2.4	20.4
2 21	9 54.12	+17 37.5	1.946	2.928	2.8	20.5
3 2	9 46.00	+18 25.5	1.985	2.938	6.5	20.7
3 12	9 39.20	+19 1.2	2.051	2.947	10.0	21.0
3 22	9 34.35	+19 22.8	2.141	2.956	13.1	21.2

121004 1998 YQ_{27} 2 16.7 87°.33 2°.3/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.93	+14 30.0	1.450	2.276	16.9	20.1
1 22	10 21.81	+15 23.0	1.394	2.295	12.7	19.9
2 1	10 13.81	+16 27.1	1.359	2.314	7.9	19.6
2 11	10 3.87	+17 34.1	1.351	2.332	3.2	19.4
2 21	9 53.28	+18 34.8	1.369	2.351	3.8	19.5
3 2	9 43.49	+19 21.8	1.416	2.369	8.5	19.8
3 12	9 35.76	+19 50.9	1.487	2.387	12.8	20.1
3 22	9 30.82	+20 1.6	1.579	2.404	16.5	20.4

375291 2008 LR_{13} 2 16.7 279°.78 4°.4/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.26	− 2 25.2	1.892	2.655	15.9	21.8
1 22	10 15.76	− 2 14.7	1.788	2.639	13.1	21.5
2 1	10 10.00	− 1 41.3	1.704	2.623	9.7	21.3
2 11	10 2.53	− 0 45.2	1.645	2.606	6.2	21.0
2 21	9 54.16	+ 0 29.8	1.613	2.590	4.4	20.9
3 2	9 45.95	+ 1 57.7	1.610	2.573	6.6	21.0
3 12	9 38.97	+ 3 29.7	1.634	2.557	10.3	21.2
3 22	9 34.02	+ 4 58.0	1.682	2.540	14.1	21.4

228725 2002 TW_{75} 2 16.7 53°.08 0°.9/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.15	+ 9 8.7	1.245	2.069	19.3	20.1
1 22	10 21.69	+ 9 10.5	1.180	2.077	14.9	19.9
2 1	10 14.00	+ 9 29.3	1.135	2.086	9.6	19.6
2 11	10 4.01	+10 0.7	1.114	2.095	3.9	19.3
2 21	9 53.14	+10 37.7	1.118	2.105	2.4	19.2
3 2	9 43.04	+11 13.0	1.148	2.114	8.1	19.6
3 12	9 35.17	+11 40.0	1.202	2.124	13.3	19.9
3 22	9 30.40	+11 55.1	1.276	2.134	17.7	20.2

429040 2009 CR_{49} 2 16.7 20°.32 0°.7/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.11	+ 9 58.2	1.909	2.724	13.9	20.4
1 22	10 13.92	+11 0.5	1.833	2.729	10.5	20.2
2 1	10 8.66	+12 17.0	1.782	2.734	6.6	19.9
2 11	10 1.96	+13 41.8	1.758	2.740	2.3	19.7
2 21	9 54.65	+15 7.7	1.762	2.747	2.3	19.7
3 2	9 47.72	+16 27.0	1.795	2.754	6.5	20.0
3 12	9 42.08	+17 33.6	1.855	2.761	10.3	20.2
3 22	9 38.39	+18 24.2	1.938	2.769	13.6	20.4

400180 2006 WT_{118} 2 16.7 81°.17 1°.8/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.10	+ 4 37.7	1.783	2.571	15.8	21.2
1 22	10 19.09	+ 5 0.4	1.722	2.597	12.2	21.0
2 1	10 11.83	+ 5 40.1	1.684	2.623	8.1	20.8
2 11	10 3.09	+ 6 32.9	1.671	2.648	3.8	20.6
2 21	9 53.87	+ 7 33.0	1.687	2.673	2.2	20.5
3 2	9 45.26	+ 8 33.8	1.733	2.697	6.0	20.8
3 12	9 38.23	+ 9 29.0	1.805	2.721	9.9	21.1
3 22	9 33.40	+10 14.4	1.901	2.745	13.3	21.4

380341 2002 QN_{81} 2 16.7 75°.90 0°.8/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 19.78	+10 30.1	2.105	2.911	13.1	20.8
1 22	10 15.66	+11 36.1	2.039	2.930	9.8	20.6
2 1	10 9.61	+12 53.9	1.997	2.948	6.1	20.4
2 11	10 2.27	+14 17.8	1.984	2.967	2.2	20.2
2 21	9 54.45	+15 40.7	2.001	2.985	2.2	20.2
3 2	9 47.06	+16 56.1	2.047	3.003	6.0	20.5
3 12	9 40.93	+17 59.0	2.122	3.021	9.5	20.8
3 22	9 36.63	+18 46.8	2.220	3.039	12.5	21.0

457013 2008 CY_{109} 2 16.7 32°.77 4°.1/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 16.84	− 2 25.8	1.248	2.046	20.7	21.2
1 22	10 14.47	− 1 42.3	1.189	2.064	16.6	20.9
2 1	10 9.32	− 0 25.2	1.149	2.082	11.8	20.7
2 11	10 2.25	+ 1 21.0	1.132	2.101	6.8	20.5
2 21	9 54.47	+ 3 26.4	1.139	2.121	4.2	20.4
3 2	9 47.38	+ 5 37.7	1.173	2.143	7.4	20.6
3 12	9 42.19	+ 7 41.2	1.231	2.164	12.0	21.0
3 22	9 39.64	+ 9 27.2	1.312	2.187	16.2	21.3

488510 2000 UE_{16} 2 16.7 184°.96 4°.1/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.88	− 2 44.0	2.404	3.137	13.7	22.7
1 22	10 19.39	− 2 45.9	2.305	3.137	11.2	22.5
2 1	10 11.98	− 2 30.4	2.230	3.137	8.3	22.3
2 11	10 3.18	− 1 58.1	2.181	3.136	5.5	22.1
2 21	9 53.74	− 1 11.6	2.162	3.133	4.1	22.0
3 2	9 44.55	− 0 15.1	2.174	3.130	5.7	22.1
3 12	9 36.45	+ 0 46.0	2.215	3.125	8.7	22.3
3 22	9 30.09	+ 1 46.2	2.282	3.120	11.6	22.5

253081 2002 TO_{208} 2 16.7 56°.19 2°.8/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.94	+ 1 54.1	1.449	2.240	18.7	20.7
1 22	10 19.97	+ 2 22.7	1.404	2.278	14.5	20.5
2 1	10 12.44	+ 3 14.2	1.380	2.317	9.8	20.4
2 11	10 3.30	+ 4 23.4	1.381	2.355	5.0	20.2
2 21	9 53.77	+ 5 42.7	1.409	2.393	3.0	20.1
3 2	9 45.12	+ 7 3.0	1.465	2.431	6.7	20.5
3 12	9 38.41	+ 8 16.1	1.547	2.469	10.9	20.8
3 22	9 34.24	+ 9 16.7	1.652	2.507	14.5	21.1

374552 2006 BO_{126} 2 16.7 174°.42 0°.3/17.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.11	+ 8 55.9	2.203	2.999	12.9	21.6
1 22	10 16.68	+ 9 24.7	2.117	3.001	9.9	21.4
2 1	10 10.30	+10 5.2	2.055	3.002	6.3	21.1
2 11	10 2.56	+10 53.9	2.021	3.002	2.5	20.9
2 21	9 54.22	+11 45.8	2.016	3.003	1.6	20.8
3 2	9 46.20	+12 35.7	2.041	3.003	5.6	21.1
3 12	9 39.36	+13 18.9	2.094	3.003	9.2	21.3
3 22	9 34.32	+13 52.3	2.172	3.003	12.4	21.5

218684 2005 TW_{44} 2 16.7 48°.50 4°.8/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.51	− 2 16.0	1.518	2.294	18.6	20.1
1 22	10 17.44	− 2 11.4	1.463	2.322	15.0	19.9
2 1	10 10.91	− 1 41.2	1.429	2.351	10.9	19.7
2 11	10 2.77	− 0 47.7	1.418	2.380	6.8	19.6
2 21	9 54.14	+ 0 23.3	1.433	2.410	4.8	19.5
3 2	9 46.20	+ 1 43.5	1.475	2.439	6.9	19.7
3 12	9 40.01	+ 3 3.9	1.544	2.469	10.6	20.0
3 22	9 36.20	+ 4 16.9	1.635	2.499	14.1	20.3

375402 2008 SQ_{254} 2 16.7 82°.10 5°.0/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.87	− 3 40.8	2.119	2.862	15.0	20.9
1 22	10 17.19	− 3 59.8	2.044	2.879	12.3	20.8
2 1	10 10.58	− 3 59.8	1.991	2.896	9.3	20.6
2 11	10 2.64	− 3 41.1	1.964	2.913	6.4	20.5
2 21	9 54.20	− 3 6.2	1.964	2.930	5.0	20.4
3 2	9 46.18	− 2 19.2	1.992	2.947	6.3	20.5
3 12	9 39.41	− 1 26.2	2.048	2.963	9.0	20.7
3 22	9 34.50	− 0 32.8	2.129	2.980	11.8	20.9

62608 2000 SD_{332} 2 16.8 249°.14 0°.1/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.07	+10 31.9	2.636	3.431	11.0	20.0
1 22	10 14.91	+11 0.4	2.538	3.422	8.4	19.8
2 1	10 9.10	+11 38.1	2.465	3.413	5.3	19.6
2 11	10 2.10	+12 21.7	2.421	3.403	2.0	19.3
2 21	9 54.57	+13 7.1	2.407	3.393	1.5	19.3
3 2	9 47.24	+13 50.2	2.424	3.383	5.0	19.5
3 12	9 40.84	+14 27.1	2.469	3.373	8.2	19.7
3 22	9 35.92	+14 55.3	2.539	3.363	11.0	19.8

416947 2005 SD_{156} 2 16.8 153°.58 6°.3/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.35	− 7 43.6	2.252	2.965	15.1	21.1
1 22	10 18.33	− 8 15.8	2.164	2.972	12.7	20.9
2 1	10 11.34	− 8 28.1	2.096	2.978	10.1	20.7
2 11	10 2.96	− 8 19.6	2.054	2.984	7.6	20.6
2 21	9 53.95	− 7 51.2	2.039	2.989	6.3	20.5
3 2	9 45.24	− 7 6.3	2.052	2.994	7.1	20.6
3 12	9 37.71	− 6 10.6	2.093	2.998	9.4	20.7
3 22	9 32.00	− 5 10.3	2.159	3.002	12.0	20.9

298957 2004 TW_{355} 2 16.8 114°.39 3°.1/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.68	+16 47.7	1.726	2.546	14.9	20.5
1 22	10 21.30	+17 58.3	1.666	2.564	11.1	20.3
2 1	10 13.37	+19 17.0	1.629	2.582	7.0	20.1
2 11	10 3.71	+20 35.3	1.620	2.599	3.5	20.0
2 21	9 53.44	+21 44.6	1.640	2.616	4.5	20.1
3 2	9 43.81	+22 38.1	1.689	2.632	8.3	20.3
3 12	9 35.95	+23 12.3	1.763	2.647	12.1	20.6
3 22	9 30.55	+23 27.1	1.860	2.662	15.3	20.8

120168 2003 HW_{52} 2 16.8 24°.84 2°.4/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.93	+16 27.9	1.810	2.633	14.2	20.0
1 22	10 18.50	+17 9.7	1.734	2.634	10.7	19.8
2 1	10 11.65	+17 59.4	1.681	2.635	6.7	19.5
2 11	10 3.11	+18 50.5	1.656	2.636	3.0	19.3
2 21	9 53.86	+19 36.2	1.658	2.637	3.7	19.4
3 2	9 45.06	+20 10.7	1.689	2.639	7.7	19.6
3 12	9 37.82	+20 30.4	1.745	2.640	11.5	19.8
3 22	9 32.85	+20 34.2	1.823	2.641	14.9	20.0

241674 2000 QA_{77} 2 16.8 210°.75 1°.5/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.63	+16 1.1	2.605	3.403	11.1	21.2
1 22	10 19.88	+16 27.3	2.508	3.395	8.4	21.0
2 1	10 12.25	+16 58.6	2.437	3.386	5.3	20.8
2 11	10 3.29	+17 31.1	2.395	3.376	2.2	20.6
2 21	9 53.72	+18 0.3	2.384	3.365	2.5	20.6
3 2	9 44.40	+18 22.7	2.405	3.354	5.8	20.8
3 12	9 36.16	+18 35.5	2.455	3.342	9.0	21.0
3 22	9 29.61	+18 37.7	2.529	3.329	11.8	21.1

494671 2002 QK_{81} 2 16.8 180°.68 1°.6/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.32	+14 16.6	2.116	2.923	13.0	22.9
1 22	10 19.24	+15 5.5	2.033	2.924	9.8	22.7
2 1	10 12.00	+16 3.3	1.974	2.925	6.1	22.5
2 11	10 3.23	+17 4.6	1.944	2.925	2.4	22.2
2 21	9 53.79	+18 3.0	1.944	2.925	2.9	22.3
3 2	9 44.71	+18 52.7	1.973	2.924	6.7	22.5
3 12	9 36.94	+19 29.6	2.030	2.922	10.3	22.7
3 22	9 31.18	+19 52.1	2.111	2.920	13.5	22.9

181732 1995 SM_{67} 2 16.8 86°.59 0°.1/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.80	+10 57.6	2.315	3.115	12.2	21.0
1 22	10 16.32	+11 17.6	2.234	3.121	9.3	20.8
2 1	10 10.01	+11 46.7	2.179	3.127	5.9	20.6
2 11	10 2.45	+12 21.3	2.151	3.132	2.2	20.4
2 21	9 54.39	+12 57.2	2.152	3.138	1.7	20.4
3 2	9 46.68	+13 30.1	2.184	3.144	5.4	20.6
3 12	9 40.11	+13 56.5	2.243	3.150	8.8	20.8
3 22	9 35.27	+14 14.0	2.327	3.155	11.7	21.0

120879 1998 RP_{41} 2 16.8 238°.59 2°.5/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.48	+19 14.7	2.267	3.077	12.1	20.1
1 22	10 20.79	+19 32.8	2.175	3.068	9.2	19.9
2 1	10 12.95	+19 53.9	2.109	3.059	5.9	19.7
2 11	10 3.58	+20 13.2	2.071	3.049	2.9	19.5
2 21	9 53.55	+20 26.1	2.063	3.040	3.5	19.5
3 2	9 43.87	+20 29.0	2.084	3.030	6.8	19.7
3 12	9 35.49	+20 20.0	2.134	3.020	10.2	19.9
3 22	9 29.11	+19 59.1	2.207	3.009	13.2	20.1

493727 2015 TC_{170} 2 16.8 173°.53 4°.2/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.97	+19 26.7	1.655	2.479	15.2	21.8
1 22	10 22.63	+20 37.4	1.582	2.482	11.5	21.6
2 1	10 14.44	+21 55.2	1.533	2.485	7.5	21.3
2 11	10 4.20	+23 10.8	1.511	2.487	4.4	21.2
2 21	9 53.09	+24 14.9	1.517	2.488	5.6	21.2
3 2	9 42.53	+25 0.2	1.551	2.488	9.4	21.5
3 12	9 33.81	+25 23.3	1.611	2.488	13.4	21.7
3 22	9 27.79	+25 24.9	1.691	2.487	16.8	21.9

217793 2000 TX_{37} 2 16.8 100°.45 4°.0/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.61	+22 47.5	2.185	2.999	12.4	20.5
1 22	10 21.44	+23 40.7	2.132	3.025	9.3	20.4
2 1	10 13.18	+24 34.3	2.105	3.051	6.2	20.2
2 11	10 3.59	+25 21.6	2.106	3.076	4.1	20.1
2 21	9 53.61	+25 57.0	2.137	3.100	5.0	20.2
3 2	9 44.27	+26 16.8	2.198	3.124	7.7	20.4
3 12	9 36.46	+26 19.9	2.285	3.147	10.6	20.7
3 22	9 30.74	+26 7.7	2.395	3.170	13.1	20.9

217840 2001 OP_{14} 2 16.8 220°.27 2°.4/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.89	+ 5 22.1	2.288	3.056	13.4	20.9
1 22	10 21.84	+ 5 0.1	2.184	3.046	10.6	20.7
2 1	10 13.64	+ 4 49.0	2.104	3.036	7.3	20.5
2 11	10 3.86	+ 4 47.5	2.052	3.025	3.9	20.2
2 21	9 53.33	+ 4 53.7	2.031	3.013	2.6	20.1
3 2	9 43.02	+ 5 4.6	2.040	3.001	5.6	20.3
3 12	9 33.90	+ 5 16.6	2.079	2.988	9.2	20.5
3 22	9 26.69	+ 5 26.6	2.143	2.975	12.5	20.7

204614 2005 JC_{146} 2 16.8 281°.99 2°.3/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 21.08	+17 24.3	2.226	3.043	12.1	20.6
1 22	10 16.74	+18 5.8	2.142	3.039	9.1	20.4
2 1	10 10.39	+18 53.2	2.083	3.035	5.7	20.2
2 11	10 2.63	+19 41.1	2.052	3.031	2.7	20.0
2 21	9 54.27	+20 24.1	2.050	3.027	3.5	20.0
3 2	9 46.23	+20 57.2	2.077	3.023	6.8	20.2
3 12	9 39.40	+21 17.4	2.131	3.019	10.1	20.4
3 22	9 34.43	+21 23.6	2.208	3.015	13.0	20.6

121278 1999 RH_{142} 2 16.8 240°.34 3°.8/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.69	+22 23.5	2.082	2.899	12.8	19.9
1 22	10 21.14	+22 55.4	1.998	2.893	9.7	19.6
2 1	10 13.26	+23 28.8	1.939	2.887	6.5	19.4
2 11	10 3.71	+23 57.3	1.908	2.881	4.0	19.3
2 21	9 53.48	+24 15.4	1.905	2.874	4.8	19.3
3 2	9 43.67	+24 19.1	1.932	2.867	8.0	19.5
3 12	9 35.35	+24 6.8	1.985	2.861	11.3	19.7
3 22	9 29.23	+23 39.5	2.061	2.854	14.3	19.9

301117 2008 WK_{48} 2 16.8 51°.35 1°.3/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.00	+ 7 23.4	1.346	2.163	18.5	21.1
1 22	10 19.86	+ 7 33.8	1.279	2.172	14.3	20.8
2 1	10 12.77	+ 8 3.0	1.233	2.181	9.4	20.6
2 11	10 3.59	+ 8 46.4	1.210	2.191	4.0	20.3
2 21	9 53.59	+ 9 37.3	1.214	2.201	2.4	20.2
3 2	9 44.26	+10 27.6	1.244	2.211	7.6	20.5
3 12	9 36.93	+11 10.2	1.299	2.221	12.5	20.8
3 22	9 32.43	+11 40.7	1.375	2.232	16.7	21.1

80052 1999 JV_{62} 2 16.8 234°.70 5°.7/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.69	−10 23.7	2.916	3.602	12.5	19.9
1 22	10 14.54	−10 39.8	2.805	3.591	10.7	19.8
2 1	10 8.84	−10 38.5	2.715	3.579	8.7	19.6
2 11	10 2.04	−10 18.8	2.650	3.566	6.9	19.5
2 21	9 54.70	− 9 41.5	2.613	3.553	5.8	19.4
3 2	9 47.47	− 8 49.3	2.605	3.540	6.2	19.4
3 12	9 41.04	− 7 46.5	2.626	3.527	7.9	19.5
3 22	9 35.94	− 6 38.3	2.672	3.513	10.0	19.6

298796 2004 QY_{8} 2 16.8 194°.64 3°.6/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.26	+18 30.0	1.838	2.658	14.1	21.3
1 22	10 21.12	+19 36.7	1.758	2.656	10.7	21.1
2 1	10 13.41	+20 50.9	1.702	2.654	6.9	20.9
2 11	10 3.82	+22 4.8	1.674	2.651	3.8	20.7
2 21	9 53.39	+23 9.8	1.675	2.647	4.9	20.7
3 2	9 43.37	+23 59.1	1.704	2.643	8.6	21.0
3 12	9 34.94	+24 28.9	1.759	2.638	12.4	21.2
3 22	9 28.92	+24 38.9	1.837	2.632	15.7	21.4

205790 2002 CT_{123} 2 16.8 286°.03 1°.1/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.58	+ 6 37.3	1.564	2.373	16.7	20.2
1 22	10 18.10	+ 7 5.4	1.463	2.351	13.1	19.9
2 1	10 11.83	+ 7 53.9	1.382	2.329	8.7	19.6
2 11	10 3.35	+ 8 59.3	1.327	2.307	3.7	19.3
2 21	9 53.67	+10 15.1	1.298	2.284	2.2	19.1
3 2	9 44.11	+11 32.5	1.297	2.262	7.5	19.4
3 12	9 36.07	+12 42.8	1.321	2.240	12.6	19.6
3 22	9 30.58	+13 39.5	1.367	2.217	17.1	19.8

182063 2000 EZ_{55} 2 16.8 26°.13 2°.7/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.43	+18 58.1	1.471	2.299	16.6	20.1
1 22	10 23.85	+19 0.1	1.402	2.303	12.6	19.9
2 1	10 15.22	+19 5.7	1.355	2.308	8.0	19.6
2 11	10 4.48	+19 8.9	1.333	2.313	3.6	19.4
2 21	9 52.97	+19 3.8	1.338	2.319	4.1	19.4
3 2	9 42.25	+18 46.6	1.371	2.325	8.6	19.7
3 12	9 33.67	+18 16.2	1.429	2.332	13.0	20.0
3 22	9 28.02	+17 34.0	1.508	2.339	16.8	20.2

462884 2010 VL_{214} 2 16.8 79°.09 1°.1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.00	+13 12.8	1.714	2.527	15.3	21.8
1 22	10 20.67	+13 43.2	1.655	2.549	11.5	21.6
2 1	10 12.91	+14 23.3	1.619	2.571	7.2	21.4
2 11	10 3.55	+15 7.3	1.610	2.592	2.6	21.2
2 21	9 53.68	+15 48.9	1.629	2.614	2.6	21.2
3 2	9 44.49	+16 22.4	1.677	2.635	7.0	21.5
3 12	9 37.05	+16 44.1	1.752	2.655	11.0	21.8
3 22	9 31.98	+16 52.7	1.849	2.676	14.3	22.1

189474 1999 TP_{219} 2 16.8 178°.46 3°.3/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.41	− 0 5.1	2.465	3.217	12.9	20.9
1 22	10 16.73	− 0 4.4	2.372	3.219	10.4	20.7
2 1	10 10.27	+ 0 11.5	2.301	3.220	7.5	20.5
2 11	10 2.58	+ 0 41.5	2.258	3.220	4.6	20.3
2 21	9 54.33	+ 1 22.9	2.244	3.220	3.3	20.2
3 2	9 46.34	+ 2 11.6	2.260	3.220	5.2	20.3
3 12	9 39.37	+ 3 2.7	2.304	3.219	8.2	20.5
3 22	9 34.02	+ 3 51.7	2.375	3.218	11.0	20.7

417795 2007 ES_{120} 2 16.8 2°.90 8°.3/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 30.19	+32 10.7	1.608	2.437	15.4	20.1
1 22	10 24.52	+33 1.6	1.545	2.436	12.3	19.9
2 1	10 15.67	+33 44.9	1.504	2.436	9.6	19.8
2 11	10 4.65	+34 10.3	1.489	2.436	8.3	19.7
2 21	9 52.87	+34 10.2	1.499	2.437	9.4	19.7
3 2	9 41.98	+33 41.5	1.535	2.439	12.1	19.9
3 12	9 33.34	+32 46.2	1.594	2.440	15.2	20.1
3 22	9 27.75	+31 29.8	1.673	2.443	18.0	20.3

83862 2001 UY_{71} 2 16.8 39°.58 6°.8/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.80	+30 1.4	2.105	2.934	12.2	18.7
1 22	10 17.54	+31 31.2	2.047	2.940	9.7	18.5
2 1	10 11.00	+32 57.7	2.014	2.945	7.5	18.4
2 11	10 2.88	+34 12.2	2.008	2.951	6.8	18.4
2 21	9 54.15	+35 7.4	2.030	2.957	8.0	18.5
3 2	9 45.89	+35 38.9	2.078	2.964	10.3	18.6
3 12	9 39.12	+35 46.0	2.149	2.970	12.7	18.8
3 22	9 34.50	+35 30.9	2.241	2.976	15.0	19.0

498542 2008 GP_{35} 2 16.8 330°.37 3°.0/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.05	+16 14.8	1.612	2.444	15.2	21.5
1 22	10 17.46	+17 17.5	1.533	2.439	11.4	21.3
2 1	10 11.22	+18 31.1	1.478	2.434	7.2	21.0
2 11	10 3.05	+19 47.6	1.449	2.429	3.5	20.8
2 21	9 54.00	+20 58.0	1.447	2.425	4.5	20.8
3 2	9 45.37	+21 54.3	1.472	2.421	8.7	21.1
3 12	9 38.40	+22 31.3	1.522	2.417	12.9	21.3
3 22	9 33.91	+22 47.8	1.593	2.414	16.6	21.5

465963 2011 BJ_{109} 2 16.8 89°.26 1°.4/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.94	+ 6 13.6	1.927	2.720	14.6	21.6
1 22	10 17.50	+ 6 30.9	1.851	2.729	11.3	21.4
2 1	10 10.92	+ 7 3.0	1.797	2.739	7.5	21.2
2 11	10 2.85	+ 7 46.6	1.770	2.748	3.4	21.0
2 21	9 54.19	+ 8 36.6	1.772	2.758	2.0	20.9
3 2	9 45.96	+ 9 27.4	1.803	2.767	5.8	21.2
3 12	9 39.11	+10 13.4	1.860	2.776	9.7	21.4
3 22	9 34.29	+10 50.6	1.942	2.785	13.1	21.6

205402 2001 EY_{16} 2 16.8 45°.12 14°.0/13.2 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 50.18	+39 35.0	0.974	1.804	23.0	19.5
1 22	10 41.43	+40 15.3	0.930	1.812	19.3	19.3
2 1	10 26.97	+40 32.3	0.903	1.822	15.9	19.1
2 11	10 8.82	+40 7.0	0.896	1.831	14.1	19.1
2 21	9 50.10	+38 50.0	0.911	1.842	14.8	19.1
3 2	9 34.00	+36 44.7	0.948	1.852	17.6	19.3
3 12	9 22.65	+34 5.7	1.006	1.864	21.1	19.6
3 22	9 16.60	+31 9.6	1.082	1.875	24.4	19.9

209113 2003 SG_{156} 2 16.8 106°.82 1°.4/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.91	+13 51.1	1.770	2.581	14.9	20.6
1 22	10 21.37	+14 28.2	1.706	2.599	11.2	20.4
2 1	10 13.39	+15 14.7	1.665	2.617	7.0	20.2
2 11	10 3.76	+16 4.4	1.652	2.634	2.6	20.0
2 21	9 53.57	+16 50.7	1.668	2.651	2.9	20.0
3 2	9 44.01	+17 27.8	1.712	2.667	7.1	20.3
3 12	9 36.16	+17 52.0	1.783	2.683	11.1	20.6
3 22	9 30.68	+18 2.1	1.877	2.698	14.4	20.8

211856 2004 FF_{145} 2 16.8 287°.07 3°.7/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.13	− 4 39.7	2.377	3.116	13.7	20.1
1 22	10 13.73	− 3 55.0	2.263	3.098	11.3	19.9
2 1	10 8.53	− 2 47.4	2.171	3.080	8.4	19.7
2 11	10 2.01	− 1 18.2	2.105	3.063	5.4	19.5
2 21	9 54.80	+ 0 28.5	2.069	3.045	3.7	19.3
3 2	9 47.70	+ 2 26.3	2.064	3.027	5.4	19.4
3 12	9 41.54	+ 4 26.8	2.089	3.009	8.6	19.6
3 22	9 36.96	+ 6 22.4	2.140	2.991	11.8	19.7

515739 2015 BV_{101} 2 16.8 336°.92 0°.0/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.34	+10 35.7	1.745	2.563	14.8	20.6
1 22	10 15.95	+10 53.3	1.657	2.552	11.4	20.3
2 1	10 10.17	+11 23.6	1.590	2.542	7.3	20.1
2 11	10 2.66	+12 2.7	1.550	2.532	2.7	19.8
2 21	9 54.33	+12 45.0	1.537	2.523	2.0	19.7
3 2	9 46.33	+13 24.4	1.551	2.515	6.7	20.0
3 12	9 39.75	+13 55.6	1.591	2.507	11.1	20.2
3 22	9 35.38	+14 15.3	1.654	2.500	14.9	20.4

357579 2004 TG_{241} 2 16.8 98°.20 1°.5/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.37	+14 21.3	1.694	2.503	15.6	21.6
1 22	10 23.95	+14 51.3	1.637	2.529	11.7	21.4
2 1	10 14.97	+15 29.9	1.604	2.555	7.3	21.2
2 11	10 4.33	+16 10.6	1.598	2.580	2.8	21.0
2 21	9 53.21	+16 47.1	1.621	2.605	2.9	21.0
3 2	9 42.89	+17 14.0	1.674	2.628	7.3	21.3
3 12	9 34.48	+17 28.3	1.753	2.651	11.3	21.6
3 22	9 28.62	+17 29.4	1.855	2.674	14.6	21.9

436253 2010 BE_{90} 2 16.8 29°.12 0°.7/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 17.78	+ 6 9.8	2.100	2.895	13.5	20.7
1 22	10 14.29	+ 6 59.1	2.016	2.898	10.4	20.5
2 1	10 8.87	+ 8 4.2	1.957	2.901	6.8	20.3
2 11	10 2.11	+ 9 20.8	1.925	2.905	2.8	20.0
2 21	9 54.77	+10 42.9	1.922	2.908	1.6	19.9
3 2	9 47.73	+12 3.6	1.948	2.912	5.6	20.2
3 12	9 41.85	+13 16.7	2.002	2.916	9.3	20.4
3 22	9 37.76	+14 17.8	2.081	2.920	12.5	20.7

313005 1999 UZ_{46} 2 16.8 99°.71 2°.3/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.14	+16 35.1	1.842	2.653	14.5	20.8
1 22	10 22.89	+17 13.3	1.785	2.679	10.8	20.6
2 1	10 14.24	+17 57.5	1.753	2.704	6.8	20.4
2 11	10 4.06	+18 41.3	1.748	2.728	2.9	20.2
2 21	9 53.42	+19 18.4	1.772	2.752	3.5	20.3
3 2	9 43.51	+19 44.0	1.826	2.775	7.3	20.6
3 12	9 35.35	+19 55.7	1.907	2.798	10.9	20.8
3 22	9 29.56	+19 53.4	2.011	2.819	14.1	21.1

341641 2007 VK_{33} 2 16.8 140°.54 0°.1/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.14	+10 14.8	2.559	3.352	11.4	21.7
1 22	10 16.42	+10 36.1	2.477	3.359	8.7	21.5
2 1	10 10.03	+11 6.2	2.420	3.366	5.5	21.3
2 11	10 2.50	+11 41.7	2.391	3.372	2.1	21.1
2 21	9 54.51	+12 19.0	2.392	3.378	1.5	21.0
3 2	9 46.83	+12 53.9	2.424	3.384	4.9	21.3
3 12	9 40.19	+13 23.1	2.485	3.390	8.1	21.5
3 22	9 35.12	+13 44.4	2.571	3.396	10.9	21.7

416905 2005 RK_{7} 2 16.8 102°.98 3°.6/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.99	+22 34.5	2.078	2.886	13.1	21.5
1 22	10 24.80	+22 58.4	2.018	2.908	9.9	21.3
2 1	10 15.34	+23 22.1	1.984	2.931	6.5	21.1
2 11	10 4.44	+23 39.5	1.979	2.952	3.8	21.0
2 21	9 53.16	+23 45.9	2.004	2.974	4.5	21.1
3 2	9 42.63	+23 38.5	2.059	2.994	7.6	21.3
3 12	9 33.82	+23 17.1	2.141	3.014	10.7	21.5
3 22	9 27.33	+22 43.3	2.247	3.034	13.4	21.7

448134 2008 SJ_{75} 2 16.8 110°.45 1°.7/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.83	+ 5 39.0	1.627	2.419	16.9	21.8
1 22	10 21.49	+ 5 57.3	1.559	2.438	13.1	21.6
2 1	10 13.56	+ 6 33.2	1.514	2.455	8.7	21.3
2 11	10 3.87	+ 7 22.7	1.495	2.472	3.9	21.1
2 21	9 53.54	+ 8 19.7	1.503	2.489	2.3	21.0
3 2	9 43.83	+ 9 17.0	1.540	2.505	6.6	21.3
3 12	9 35.89	+10 8.1	1.604	2.520	11.0	21.6
3 22	9 30.45	+10 48.7	1.691	2.535	14.7	21.9

178255 2007 VN_{93} 2 16.8 19°.04 10°.8/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.17	−15 37.5	1.951	2.627	18.1	19.0
1 22	10 17.88	−17 14.4	1.872	2.633	16.1	18.8
2 1	10 11.31	−18 27.1	1.812	2.640	14.0	18.7
2 11	10 3.07	−19 10.9	1.773	2.648	12.1	18.6
2 21	9 54.06	−19 23.8	1.758	2.656	11.0	18.5
3 2	9 45.36	−19 6.8	1.767	2.665	11.1	18.6
3 12	9 38.00	−18 25.7	1.799	2.675	12.3	18.6
3 22	9 32.76	−17 28.1	1.854	2.685	14.1	18.8

498549 2008 GD_{119} 2 16.8 250°.34 2°.4/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.39	+17 13.0	2.330	3.139	11.9	22.7
1 22	10 19.36	+18 0.3	2.225	3.117	9.0	22.5
2 1	10 12.18	+18 54.6	2.145	3.095	5.8	22.3
2 11	10 3.40	+19 50.4	2.094	3.073	2.8	22.0
2 21	9 53.80	+20 41.9	2.073	3.049	3.5	22.0
3 2	9 44.34	+21 23.7	2.082	3.025	6.9	22.2
3 12	9 36.00	+21 52.0	2.119	3.000	10.4	22.4
3 22	9 29.53	+22 5.4	2.179	2.975	13.5	22.5

217468 2005 VZ_{126} 2 16.8 254°.76 0°.5/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.05	+ 8 16.3	1.990	2.787	14.0	21.7
1 22	10 17.79	+ 8 46.1	1.890	2.773	10.9	21.5
2 1	10 11.28	+ 9 30.4	1.813	2.759	7.1	21.2
2 11	10 3.09	+10 25.5	1.763	2.744	2.8	20.9
2 21	9 54.05	+11 25.8	1.743	2.729	1.8	20.8
3 2	9 45.20	+12 25.2	1.751	2.713	6.2	21.1
3 12	9 37.61	+13 17.7	1.787	2.698	10.4	21.3
3 22	9 32.04	+13 59.1	1.847	2.682	14.0	21.5

405516 2005 CL_{49} 2 16.8 14°.22 1°.2/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.52	+10 56.0	1.512	2.320	17.2	20.3
1 22	10 24.67	+10 20.2	1.432	2.320	13.4	20.1
2 1	10 15.81	+ 9 53.7	1.374	2.321	8.7	19.8
2 11	10 4.79	+ 9 34.4	1.342	2.322	3.7	19.5
2 21	9 52.87	+ 9 19.2	1.337	2.323	2.3	19.4
3 2	9 41.55	+ 9 5.0	1.360	2.325	7.4	19.7
3 12	9 32.22	+ 8 48.6	1.410	2.326	12.2	20.0
3 22	9 25.75	+ 8 28.1	1.482	2.328	16.3	20.3

9380 Mâcon 2 16.8 39°.28 0°.5/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 20.63	+ 8 41.8	1.991	2.793	13.9	18.1
1 22	10 16.54	+ 9 7.3	1.909	2.795	10.6	17.9
2 1	10 10.35	+ 9 45.8	1.850	2.797	6.9	17.7
2 11	10 2.69	+10 33.4	1.818	2.799	2.7	17.4
2 21	9 54.40	+11 24.9	1.815	2.801	1.7	17.3
3 2	9 46.47	+12 14.5	1.841	2.804	5.9	17.6
3 12	9 39.83	+12 57.2	1.893	2.806	9.8	17.9
3 22	9 35.15	+13 29.6	1.970	2.808	13.1	18.1

501287 2013 WR_{54} 2 16.8 54°.18 1°.0/17.6 18

1 12	10 23.22	+ 8 49.1	2.009	2.806	13.9	21.2
1 22	10 18.39	+ 8 45.5	1.932	2.814	10.7	21.0
2 1	10 11.45	+ 8 52.8	1.879	2.823	7.0	20.7
2 11	10 3.07	+ 9 8.2	1.852	2.832	3.0	20.5
2 21	9 54.14	+ 9 28.0	1.854	2.841	1.8	20.4
3 2	9 45.65	+ 9 48.0	1.886	2.850	5.7	20.7
3 12	9 38.53	+10 4.5	1.945	2.859	9.5	21.0
3 22	9 33.41	+10 14.7	2.027	2.868	12.7	21.2

162640 2000 SM_{178} 2 16.8 66°.38 1°.3/16.0 18

1 12	10 29.87	+13 46.9	1.389	2.210	17.8	19.5
1 22	10 23.96	+14 7.5	1.341	2.239	13.3	19.3
2 1	10 15.13	+14 38.5	1.314	2.267	8.3	19.0
2 11	10 4.42	+15 13.1	1.313	2.295	3.0	18.8
2 21	9 53.24	+15 44.2	1.339	2.323	3.0	18.9
3 2	9 43.08	+16 6.0	1.392	2.351	7.9	19.2
3 12	9 35.14	+16 15.1	1.471	2.379	12.4	19.6
3 22	9 30.10	+16 11.1	1.571	2.407	16.1	19.9

360753 2004 XV_{78} 2 16.8 55°.10 1°.8/15.6 18

1 12	10 25.11	+12 52.2	1.266	2.099	18.4	20.7
1 22	10 20.69	+13 45.6	1.219	2.123	13.8	20.5
2 1	10 13.23	+14 53.0	1.192	2.148	8.6	20.2
2 11	10 3.77	+16 5.2	1.190	2.173	3.2	20.0
2 21	9 53.71	+17 12.4	1.214	2.198	3.6	20.1
3 2	9 44.59	+18 5.9	1.265	2.223	8.6	20.4
3 12	9 37.70	+18 40.8	1.339	2.249	13.3	20.8
3 22	9 33.73	+18 56.2	1.434	2.274	17.1	21.1

411451 2010 WN_{71} 2 16.8 116°.89 0°.1/16.9 18

1 12	10 25.83	+ 9 49.1	2.277	3.064	12.8	22.0
1 22	10 20.02	+10 17.3	2.209	3.088	9.7	21.8
2 1	10 12.31	+10 55.4	2.166	3.111	6.2	21.6
2 11	10 3.36	+11 39.4	2.152	3.133	2.3	21.4
2 21	9 53.99	+12 24.5	2.168	3.154	1.6	21.4
3 2	9 45.10	+13 6.1	2.215	3.175	5.4	21.7
3 12	9 37.51	+13 40.4	2.291	3.194	8.8	21.9
3 22	9 31.78	+14 5.2	2.392	3.213	11.7	22.1

373293 2012 HZ_{56} 2 16.8 306°.92 3°.1/14.4 17

1 12	10 21.83	+17 5.5	1.637	2.468	15.0	20.9
1 22	10 18.15	+17 56.6	1.548	2.453	11.4	20.6
2 1	10 11.77	+18 57.6	1.483	2.438	7.3	20.3
2 11	10 3.34	+20 1.1	1.443	2.423	3.6	20.1
2 21	9 53.91	+20 58.8	1.431	2.409	4.6	20.1
3 2	9 44.80	+21 42.9	1.445	2.394	8.8	20.3
3 12	9 37.30	+22 8.7	1.485	2.380	13.1	20.5
3 22	9 32.32	+22 14.8	1.545	2.367	16.9	20.7

267493 2002 JO_{3} 2 16.8 244°.49 5°.9/11.1 17

1 12	10 26.44	+29 5.6	2.325	3.142	11.6	21.1
1 22	10 20.97	+30 6.1	2.240	3.128	9.2	20.9
2 1	10 13.20	+31 4.5	2.181	3.114	6.9	20.8
2 11	10 3.79	+31 53.3	2.149	3.100	5.9	20.7
2 21	9 53.63	+32 26.1	2.146	3.085	6.9	20.7
3 2	9 43.81	+32 38.8	2.172	3.070	9.3	20.8
3 12	9 35.36	+32 30.3	2.222	3.055	11.9	21.0
3 22	9 29.02	+32 2.4	2.294	3.039	14.4	21.1

6168 Isnello 2 16.8 286°.38 0°.3/16.5 18

1 12	10 19.32	+10 53.4	2.338	3.140	12.0	17.9
1 22	10 15.33	+11 24.0	2.246	3.134	9.2	17.7
2 1	10 9.51	+12 4.7	2.179	3.128	5.8	17.4
2 11	10 2.39	+12 51.7	2.140	3.122	2.1	17.2
2 21	9 54.68	+13 40.3	2.130	3.116	1.7	17.1
3 2	9 47.22	+14 25.6	2.150	3.110	5.5	17.4
3 12	9 40.83	+15 3.5	2.198	3.104	9.0	17.6
3 22	9 36.11	+15 31.3	2.270	3.098	12.0	17.8

49488 1999 BZ_{23} 2 16.8 310°.97 6°.6/20.9 18

1 12	10 22.23	− 3 4.3	1.654	2.418	17.8	18.0
1 22	10 18.38	− 3 55.0	1.558	2.405	14.9	17.8
2 1	10 11.91	− 4 25.5	1.481	2.391	11.5	17.6
2 11	10 3.42	− 4 33.5	1.427	2.378	8.2	17.3
2 21	9 53.88	− 4 19.2	1.399	2.365	6.6	17.2
3 2	9 44.54	− 3 45.9	1.397	2.353	8.3	17.3
3 12	9 36.66	− 3 0.3	1.421	2.341	11.8	17.4
3 22	9 31.18	− 2 9.9	1.466	2.329	15.5	17.6

173314 1999 VO_{44} 2 16.8 135°.90 2°.4/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 25.58	+ 3 45.5	1.984	2.758	14.9	20.9
1 22	10 20.21	+ 3 48.6	1.905	2.771	11.7	20.7
2 1	10 12.64	+ 4 7.4	1.849	2.782	8.0	20.5
2 11	10 3.55	+ 4 39.5	1.820	2.793	4.2	20.3
2 21	9 53.87	+ 5 20.8	1.821	2.804	2.6	20.2
3 2	9 44.62	+ 6 6.2	1.850	2.814	5.8	20.4
3 12	9 36.79	+ 6 50.2	1.908	2.823	9.6	20.7
3 22	9 31.03	+ 7 28.5	1.990	2.832	12.9	20.9

508229 2015 HM_{4} 2 16.8 274°.14 2°.8/14.5 17

1 12	10 26.46	+20 57.0	2.407	3.216	11.5	21.7
1 22	10 20.77	+21 12.1	2.307	3.199	8.8	21.4
2 1	10 13.00	+21 28.7	2.233	3.181	5.7	21.2
2 11	10 3.71	+21 42.1	2.187	3.163	3.1	21.0
2 21	9 53.74	+21 48.0	2.171	3.145	3.7	21.0
3 2	9 44.04	+21 43.0	2.186	3.127	6.8	21.2
3 12	9 35.56	+21 25.9	2.228	3.109	10.0	21.4
3 22	9 28.99	+20 56.7	2.295	3.091	12.9	21.5

95867 2003 GO_{23} 2 16.8 233°.47 1°.7/15.2 18

1 12	10 23.59	+15 26.5	2.427	3.231	11.6	20.9
1 22	10 18.59	+16 5.1	2.327	3.218	8.8	20.7
2 1	10 11.63	+16 50.8	2.253	3.203	5.5	20.4
2 11	10 3.22	+17 39.0	2.207	3.188	2.3	20.2
2 21	9 54.12	+18 24.5	2.192	3.173	2.8	20.2
3 2	9 45.22	+19 2.6	2.207	3.157	6.2	20.4
3 12	9 37.40	+19 29.7	2.251	3.140	9.6	20.6
3 22	9 31.33	+19 44.3	2.318	3.122	12.6	20.7

271142 2003 SL_{139} 2 16.8 224°.55 2°.5/19.0 18

1 12	10 20.27	+ 2 48.0	2.150	2.926	13.8	20.5
1 22	10 16.18	+ 2 59.3	2.058	2.924	11.0	20.3
2 1	10 10.12	+ 3 26.5	1.990	2.922	7.6	20.1
2 11	10 2.66	+ 4 7.7	1.947	2.919	4.1	19.8
2 21	9 54.56	+ 4 58.9	1.934	2.917	2.6	19.7
3 2	9 46.73	+ 5 55.1	1.950	2.914	5.5	19.9
3 12	9 40.05	+ 6 50.6	1.993	2.912	9.0	20.1
3 22	9 35.17	+ 7 40.5	2.062	2.909	12.3	20.3

327325 2005 UO_{84} 2 16.8 254°.28 1°.3/17.8 17

1 12	10 22.08	+ 6 32.5	2.011	2.802	14.1	21.5
1 22	10 17.80	+ 6 51.0	1.911	2.790	11.0	21.2
2 1	10 11.30	+ 7 24.4	1.835	2.777	7.3	21.0
2 11	10 3.15	+ 8 9.7	1.785	2.763	3.3	20.7
2 21	9 54.18	+ 9 2.2	1.764	2.750	1.9	20.6
3 2	9 45.42	+ 9 56.3	1.772	2.736	6.0	20.8
3 12	9 37.90	+10 46.1	1.807	2.722	10.1	21.0
3 22	9 32.36	+11 27.2	1.867	2.707	13.7	21.2

160773 2000 SG_{206} 2 16.8 122°.99 0°.3/17.0 18

1 12	10 25.98	+ 8 52.4	1.821	2.619	15.1	21.2
1 22	10 20.67	+ 9 24.8	1.751	2.635	11.6	21.0
2 1	10 13.00	+10 11.0	1.703	2.650	7.4	20.8
2 11	10 3.72	+11 6.2	1.683	2.664	2.8	20.6
2 21	9 53.84	+12 4.0	1.692	2.678	1.9	20.5
3 2	9 44.48	+12 57.9	1.730	2.691	6.4	20.8
3 12	9 36.71	+13 42.8	1.795	2.704	10.5	21.1
3 22	9 31.20	+14 15.4	1.885	2.716	13.9	21.3

131436 2001 QS_{11} 2 16.8 144°.93 0°.5/16.3 17

1 12	10 20.76	+11 53.0	2.703	3.498	10.8	20.6
1 22	10 16.09	+12 26.1	2.622	3.507	8.1	20.4
2 1	10 9.83	+13 6.9	2.566	3.515	5.1	20.2
2 11	10 2.50	+13 51.8	2.540	3.522	1.9	20.0
2 21	9 54.73	+14 36.6	2.545	3.529	1.7	20.0
3 2	9 47.25	+15 17.4	2.580	3.536	4.9	20.2
3 12	9 40.75	+15 50.8	2.644	3.543	7.9	20.4
3 22	9 35.74	+16 15.0	2.733	3.549	10.5	20.6

381637 2008 YC_{76} 2 16.8 29°.35 0°.6/17.2 18

1 12	10 23.38	+10 25.2	1.922	2.726	14.2	20.2
1 22	10 18.63	+10 18.3	1.846	2.733	10.9	20.0
2 1	10 11.68	+10 21.2	1.793	2.740	7.0	19.8
2 11	10 3.23	+10 31.0	1.766	2.747	2.8	19.5
2 21	9 54.20	+10 43.8	1.768	2.755	1.8	19.5
3 2	9 45.63	+10 55.8	1.799	2.763	6.0	19.8
3 12	9 38.50	+11 3.4	1.857	2.771	9.8	20.0
3 22	9 33.46	+11 4.3	1.939	2.780	13.2	20.2

460111 2014 PN_{23} 2 16.8 188°.64 0°.1/16.9 18

1 12	10 24.84	+ 9 14.7	2.021	2.816	13.9	22.5
1 22	10 19.79	+ 9 50.1	1.933	2.816	10.7	22.3
2 1	10 12.49	+10 38.8	1.868	2.814	6.9	22.0
2 11	10 3.57	+11 36.2	1.831	2.813	2.6	21.7
2 21	9 53.92	+12 36.6	1.824	2.810	1.8	21.7
3 2	9 44.59	+13 33.8	1.846	2.807	6.2	22.0
3 12	9 36.60	+14 22.4	1.897	2.802	10.2	22.2
3 22	9 30.67	+14 59.1	1.971	2.798	13.6	22.4

519648 2012 UP_{183} 2 16.8 125°.03 3°.2/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.10	+ 1 48.2	2.484	3.243	12.6	21.2
1 22	10 17.24	+ 1 26.7	2.394	3.246	10.1	21.0
2 1	10 10.64	+ 1 17.8	2.327	3.249	7.2	20.8
2 11	10 2.83	+ 1 20.8	2.288	3.252	4.4	20.6
2 21	9 54.49	+ 1 33.7	2.277	3.254	3.2	20.6
3 2	9 46.43	+ 1 53.7	2.297	3.257	5.2	20.7
3 12	9 39.41	+ 2 16.9	2.346	3.260	8.1	20.9
3 22	9 34.00	+ 2 39.8	2.419	3.262	10.9	21.1

431477 2007 TT_{8} 2 16.8 82°.97 3°.7/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.25	− 1 32.2	2.281	3.035	13.8	21.6
1 22	10 15.23	− 1 28.8	2.196	3.043	11.2	21.4
2 1	10 9.42	− 1 8.0	2.135	3.051	8.2	21.2
2 11	10 2.38	− 0 30.9	2.099	3.058	5.2	21.1
2 21	9 54.82	+ 0 19.3	2.091	3.066	3.7	21.0
3 2	9 47.56	+ 1 17.9	2.113	3.074	5.4	21.1
3 12	9 41.40	+ 2 19.3	2.163	3.082	8.4	21.3
3 22	9 36.91	+ 3 18.2	2.238	3.090	11.3	21.5

406452 2007 TE_{428} 2 16.8 144°.64 3°.4/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.44	+ 0 11.8	1.893	2.659	15.8	22.4
1 22	10 18.76	+ 0 23.5	1.810	2.668	12.6	22.2
2 1	10 11.84	+ 0 55.3	1.750	2.675	9.0	22.0
2 11	10 3.32	+ 1 45.3	1.716	2.683	5.2	21.7
2 21	9 54.13	+ 2 48.9	1.709	2.689	3.5	21.6
3 2	9 45.33	+ 3 59.7	1.732	2.695	6.1	21.8
3 12	9 37.93	+ 5 10.6	1.782	2.701	9.9	22.1
3 22	9 32.63	+ 6 15.3	1.857	2.706	13.3	22.3

264644 2001 XU_{3} 2 16.8 201°.98 11°.6/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.44	−23 49.7	2.527	3.102	16.4	20.4
1 22	10 22.47	−25 31.6	2.429	3.098	15.1	20.2
2 1	10 14.25	−26 51.8	2.349	3.093	13.7	20.1
2 11	10 4.29	−27 44.9	2.290	3.088	12.5	20.0
2 21	9 53.37	−28 7.4	2.254	3.083	11.7	19.9
3 2	9 42.49	−27 59.0	2.242	3.076	11.7	19.9
3 12	9 32.69	−27 23.1	2.255	3.069	12.4	19.9
3 22	9 24.79	−26 26.2	2.290	3.062	13.7	20.0

313871 2004 GH_{19} 2 16.8 11°.49 2°.6/14.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 16.99	+ 5 56.0	1.325	2.150	18.2	19.5
1 22	10 14.87	+ 9 2.1	1.250	2.152	13.7	19.2
2 1	10 9.89	+12 44.2	1.199	2.155	8.4	18.9
2 11	10 2.74	+16 46.8	1.177	2.160	3.2	18.6
2 21	9 54.53	+20 47.9	1.186	2.165	5.0	18.8
3 2	9 46.70	+24 25.0	1.225	2.171	10.4	19.1
3 12	9 40.66	+27 23.1	1.291	2.178	15.3	19.4
3 22	9 37.38	+29 36.8	1.377	2.186	19.3	19.7

349908 2009 FN_{74} 2 16.8 289°.70 3°.5/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.79	+20 27.7	2.340	3.162	11.4	20.5
1 22	10 15.79	+21 31.9	2.258	3.157	8.6	20.4
2 1	10 9.87	+22 40.6	2.202	3.152	5.6	20.2
2 11	10 2.58	+23 47.5	2.174	3.147	3.6	20.0
2 21	9 54.69	+24 46.3	2.175	3.142	4.5	20.1
3 2	9 47.08	+25 32.0	2.205	3.137	7.4	20.2
3 12	9 40.61	+26 1.5	2.262	3.132	10.4	20.4
3 22	9 35.90	+26 14.2	2.341	3.127	13.0	20.6

456691 2007 RE_{195} 2 16.8 96°.25 0°.5/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.03	+11 45.6	1.693	2.500	15.7	21.8
1 22	10 22.29	+12 10.1	1.631	2.521	11.9	21.6
2 1	10 14.04	+12 45.7	1.593	2.543	7.5	21.4
2 11	10 4.12	+13 27.0	1.582	2.564	2.7	21.1
2 21	9 53.65	+14 7.7	1.599	2.584	2.3	21.1
3 2	9 43.89	+14 42.0	1.645	2.604	6.9	21.5
3 12	9 35.91	+15 5.9	1.717	2.624	11.0	21.8
3 22	9 30.40	+15 17.7	1.813	2.643	14.5	22.0

246378 2007 TE_{431} 2 16.8 0°.97 0°.8/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.95	+12 56.8	2.034	2.847	13.2	20.9
1 22	10 16.80	+13 21.4	1.952	2.846	10.0	20.7
2 1	10 10.56	+13 55.1	1.894	2.846	6.3	20.4
2 11	10 2.86	+14 33.5	1.863	2.846	2.3	20.2
2 21	9 54.53	+15 11.5	1.861	2.846	2.2	20.2
3 2	9 46.57	+15 44.1	1.888	2.847	6.2	20.4
3 12	9 39.91	+16 7.4	1.942	2.847	10.0	20.7
3 22	9 35.20	+16 19.3	2.019	2.848	13.2	20.9

91491 1999 RA_{124} 2 16.8 154°.27 2°.0/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.82	+ 4 4.1	2.574	3.339	12.1	20.2
1 22	10 17.71	+ 4 10.8	2.487	3.348	9.5	20.0
2 1	10 10.90	+ 4 29.7	2.424	3.355	6.5	19.8
2 11	10 2.93	+ 4 58.7	2.390	3.363	3.4	19.7
2 21	9 54.49	+ 5 34.8	2.386	3.369	2.1	19.6
3 2	9 46.34	+ 6 14.0	2.413	3.375	4.7	19.8
3 12	9 39.22	+ 6 52.4	2.469	3.381	7.8	20.0
3 22	9 33.67	+ 7 26.5	2.551	3.386	10.6	20.2

410781 2009 FY_{30} 2 16.8 296°.69 0°.2/16.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 21.52	+ 9 2.4	1.529	2.347	16.6	21.2
1 22	10 18.11	+ 9 31.8	1.435	2.329	12.9	20.9
2 1	10 11.89	+10 19.1	1.361	2.312	8.4	20.6
2 11	10 3.51	+11 19.9	1.313	2.295	3.2	20.2
2 21	9 53.99	+12 26.9	1.291	2.278	2.2	20.1
3 2	9 44.70	+13 31.7	1.296	2.261	7.7	20.4
3 12	9 37.00	+14 26.5	1.327	2.244	12.7	20.6
3 22	9 31.91	+15 6.3	1.378	2.228	17.1	20.8

256175 2006 VZ_{67} 2 16.8 236°.40 7°.3/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.53	+30 1.4	1.979	2.803	13.1	20.6
1 22	10 21.51	+31 32.0	1.903	2.793	10.4	20.4
2 1	10 13.82	+33 0.8	1.852	2.783	8.2	20.2
2 11	10 4.15	+34 17.7	1.829	2.772	7.3	20.2
2 21	9 53.57	+35 14.1	1.832	2.762	8.6	20.2
3 2	9 43.39	+35 44.4	1.863	2.750	11.2	20.3
3 12	9 34.83	+35 47.4	1.917	2.739	14.0	20.5
3 22	9 28.76	+35 25.8	1.991	2.727	16.6	20.7

387108 2012 TE_{150} 2 16.8 134°.35 0°.0/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.68	+10 34.7	2.571	3.365	11.3	21.9
1 22	10 16.13	+10 57.3	2.488	3.371	8.6	21.7
2 1	10 9.92	+11 28.4	2.430	3.377	5.5	21.5
2 11	10 2.58	+12 4.8	2.401	3.383	2.0	21.3
2 21	9 54.78	+12 42.7	2.402	3.388	1.5	21.3
3 2	9 47.28	+13 17.9	2.434	3.394	4.9	21.5
3 12	9 40.81	+13 47.3	2.494	3.399	8.1	21.7
3 22	9 35.88	+14 8.4	2.579	3.404	10.8	21.9

234561 2001 WG_{82} 2 16.8 180°.29 2°.1/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.09	+17 53.5	2.805	3.612	10.1	21.2
1 22	10 16.38	+18 36.0	2.721	3.613	7.6	21.0
2 1	10 10.06	+19 22.7	2.663	3.614	4.8	20.8
2 11	10 2.64	+20 9.2	2.635	3.614	2.4	20.7
2 21	9 54.74	+20 51.1	2.638	3.614	3.0	20.7
3 2	9 47.11	+21 24.6	2.671	3.613	5.7	20.9
3 12	9 40.45	+21 47.3	2.732	3.612	8.4	21.1
3 22	9 35.27	+21 58.2	2.818	3.611	10.9	21.2

92936 2000 RQ_{32} 2 16.8 198°.39 0°.6/17.4 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.95	+ 8 46.1	2.638	3.418	11.4	21.2
1 22	10 18.62	+ 9 2.0	2.540	3.414	8.8	21.0
2 1	10 11.54	+ 9 27.4	2.467	3.409	5.7	20.8
2 11	10 3.22	+ 9 59.4	2.424	3.403	2.3	20.5
2 21	9 54.32	+10 34.7	2.411	3.397	1.4	20.5
3 2	9 45.66	+11 9.2	2.429	3.390	4.9	20.7
3 12	9 37.98	+11 39.6	2.477	3.382	8.1	20.9
3 22	9 31.89	+12 3.1	2.551	3.374	11.0	21.1

313835 2004 CR_{74} 2 16.8 16°.10 1°.4/17.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 16.77	+ 4 29.9	0.812	1.667	24.1	20.2
1 22	10 15.84	+ 5 17.1	0.756	1.669	18.8	19.9
2 1	10 11.02	+ 6 41.4	0.717	1.673	12.4	19.5
2 11	10 3.28	+ 8 35.3	0.697	1.679	5.3	19.2
2 21	9 54.27	+10 43.7	0.698	1.685	2.9	19.1
3 2	9 46.10	+12 47.6	0.721	1.693	9.9	19.5
3 12	9 40.64	+14 30.6	0.763	1.702	16.4	19.9
3 22	9 38.92	+15 44.0	0.823	1.712	21.8	20.2

128545 2004 PJ_{68} 2 16.8 114°.58 4°.1/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.04	− 0 1.2	2.086	2.844	14.8	20.3
1 22	10 19.01	− 0 23.8	2.004	2.853	11.9	20.1
2 1	10 11.91	− 0 30.2	1.944	2.862	8.7	19.9
2 11	10 3.37	− 0 20.7	1.911	2.871	5.5	19.7
2 21	9 54.24	+ 0 2.3	1.905	2.880	4.1	19.7
3 2	9 45.49	+ 0 34.9	1.929	2.889	6.0	19.8
3 12	9 38.02	+ 1 11.9	1.981	2.897	9.2	20.0
3 22	9 32.50	+ 1 48.5	2.057	2.905	12.3	20.2

241318 2007 VM_{70} 2 16.8 122°.62 0°.5/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.55	+11 40.3	2.398	3.199	11.8	21.3
1 22	10 16.16	+12 14.1	2.318	3.206	8.9	21.2
2 1	10 10.01	+12 56.9	2.263	3.212	5.6	21.0
2 11	10 2.64	+13 44.6	2.236	3.218	2.0	20.7
2 21	9 54.78	+14 32.4	2.238	3.224	1.8	20.7
3 2	9 47.23	+15 15.9	2.271	3.229	5.4	21.0
3 12	9 40.78	+15 51.2	2.332	3.235	8.7	21.2
3 22	9 35.99	+16 16.1	2.418	3.240	11.5	21.4

337729 2001 UU_{61} 2 16.8 47°.87 3°.7/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.18	+22 11.5	2.208	3.030	12.0	20.8
1 22	10 18.36	+22 52.2	2.135	3.033	9.1	20.6
2 1	10 11.49	+23 34.5	2.087	3.036	6.0	20.4
2 11	10 3.20	+24 12.6	2.067	3.040	3.8	20.2
2 21	9 54.38	+24 41.0	2.076	3.043	4.7	20.3
3 2	9 45.99	+24 55.7	2.114	3.047	7.5	20.5
3 12	9 38.93	+24 55.1	2.177	3.051	10.5	20.7
3 22	9 33.83	+24 39.6	2.264	3.055	13.2	20.9

170347 2003 SR_{166} 2 16.8 119°.73 0°.7/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.14	+ 8 11.4	1.908	2.700	14.7	21.2
1 22	10 20.69	+ 8 35.1	1.837	2.717	11.3	21.0
2 1	10 13.00	+ 9 12.1	1.790	2.734	7.3	20.8
2 11	10 3.77	+ 9 58.3	1.770	2.750	2.9	20.5
2 21	9 53.98	+10 48.0	1.779	2.765	1.8	20.5
3 2	9 44.72	+11 35.6	1.818	2.780	6.0	20.8
3 12	9 36.96	+12 16.0	1.885	2.795	10.0	21.1
3 22	9 31.38	+12 46.1	1.975	2.808	13.3	21.3

462076 2007 EX_{220} 2 16.8 316°.81 3°.9/13.9 17

1 12	10 24.73	+20 53.3	1.770	2.598	14.2	21.2
1 22	10 20.12	+21 33.2	1.690	2.592	10.8	21.0
2 1	10 12.90	+22 17.1	1.634	2.586	7.1	20.8
2 11	10 3.82	+22 57.6	1.604	2.580	4.2	20.6
2 21	9 53.92	+23 27.9	1.602	2.574	5.1	20.6
3 2	9 44.49	+23 42.5	1.628	2.569	8.7	20.8
3 12	9 36.71	+23 39.2	1.678	2.564	12.5	21.0
3 22	9 31.36	+23 18.6	1.750	2.559	15.8	21.2

459324 2012 HY_{11} 2 16.8 311°.61 2°.5/18.8 17

1 12	10 18.33	+ 2 55.7	1.609	2.408	16.7	20.9
1 22	10 15.54	+ 3 17.8	1.509	2.389	13.4	20.7
2 1	10 10.20	+ 4 2.6	1.430	2.369	9.3	20.4
2 11	10 2.89	+ 5 8.0	1.375	2.350	4.8	20.1
2 21	9 54.53	+ 6 28.7	1.347	2.332	2.8	19.9
3 2	9 46.33	+ 7 56.2	1.346	2.313	6.9	20.1
3 12	9 39.55	+ 9 21.2	1.370	2.296	11.7	20.3
3 22	9 35.13	+10 35.9	1.417	2.279	16.0	20.5

350947 2002 VD_{88} 2 16.8 114°.05 3°.0/14.9 18

1 12	10 30.17	+17 11.2	1.533	2.354	16.4	20.9
1 22	10 24.31	+17 55.2	1.471	2.370	12.3	20.6
2 1	10 15.53	+18 46.7	1.432	2.385	7.8	20.4
2 11	10 4.76	+19 37.6	1.420	2.400	3.6	20.2
2 21	9 53.31	+20 20.0	1.435	2.414	4.3	20.3
3 2	9 42.64	+20 47.5	1.479	2.428	8.6	20.6
3 12	9 34.03	+20 57.4	1.547	2.441	12.8	20.8
3 22	9 28.24	+20 50.2	1.638	2.454	16.4	21.1

203233 2001 HB_{9} 2 16.8 310°.35 3°.5/14.7 18

1 12	10 23.21	+16 20.1	1.216	2.062	18.2	19.6
1 22	10 20.11	+17 11.5	1.135	2.047	14.0	19.3
2 1	10 13.54	+18 17.0	1.075	2.033	8.9	19.0
2 11	10 4.25	+19 27.4	1.037	2.018	4.2	18.7
2 21	9 53.58	+20 31.4	1.025	2.005	5.3	18.7
3 2	9 43.32	+21 18.5	1.037	1.992	10.6	18.9
3 12	9 35.23	+21 42.5	1.071	1.979	16.0	19.2
3 22	9 30.45	+21 42.2	1.124	1.967	20.6	19.4

126624 2002 CK_{162} 2 16.8 148°.69 1°.0/16.0 18

1 12	10 26.72	+14 35.9	2.361	3.159	12.1	20.2
1 22	10 20.80	+14 50.7	2.282	3.168	9.1	20.0
2 1	10 12.92	+15 11.2	2.228	3.176	5.7	19.8
2 11	10 3.74	+15 33.6	2.202	3.184	2.2	19.6
2 21	9 54.05	+15 53.8	2.208	3.191	2.2	19.6
3 2	9 44.78	+16 8.3	2.244	3.198	5.7	19.8
3 12	9 36.77	+16 14.7	2.309	3.205	9.0	20.1
3 22	9 30.62	+16 11.9	2.398	3.210	11.9	20.3

62634 2000 SL_{356} 2 16.8 44°.46 7°.6/10.4 18

1 12	10 23.50	+27 44.2	1.593	2.434	14.9	18.9
1 22	10 19.42	+29 26.4	1.544	2.446	11.6	18.7
2 1	10 12.51	+31 6.4	1.520	2.460	8.7	18.6
2 11	10 3.66	+32 32.5	1.520	2.473	7.6	18.5
2 21	9 54.12	+33 35.3	1.547	2.487	9.0	18.6
3 2	9 45.30	+34 9.2	1.600	2.502	11.8	18.8
3 12	9 38.43	+34 13.8	1.674	2.516	14.8	19.0
3 22	9 34.25	+33 52.6	1.768	2.531	17.4	19.3

465904 2010 VZ_{46} 2 16.8 74°.73 9°.1/24.5 18

1 12	10 22.67	−12 25.3	1.803	2.507	18.6	21.1
1 22	10 18.35	−13 16.3	1.729	2.521	16.1	21.0
2 1	10 11.68	−13 40.4	1.672	2.534	13.3	20.8
2 11	10 3.35	−13 34.7	1.638	2.547	10.8	20.7
2 21	9 54.32	−12 59.7	1.627	2.560	9.2	20.6
3 2	9 45.71	−11 59.4	1.643	2.574	9.5	20.7
3 12	9 38.59	−10 41.8	1.683	2.587	11.4	20.8
3 22	9 33.67	− 9 16.2	1.747	2.600	13.9	21.0

498189 2007 TN_{306} 2 16.8 153°.43 1°.4/15.3 17

1 12	10 22.62	+15 36.7	2.668	3.470	10.7	22.1
1 22	10 17.56	+16 9.5	2.588	3.477	8.1	21.9
2 1	10 10.83	+16 47.5	2.534	3.484	5.0	21.8
2 11	10 2.96	+17 26.8	2.510	3.491	2.1	21.6
2 21	9 54.64	+18 3.0	2.516	3.496	2.4	21.6
3 2	9 46.64	+18 32.5	2.552	3.502	5.4	21.8
3 12	9 39.69	+18 52.7	2.617	3.507	8.4	22.0
3 22	9 34.30	+19 2.4	2.707	3.511	11.0	22.2

477506 2010 CE_{125} 2 16.8 71°.39 4°.5/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 19.95	− 7 41.0	1.001	1.792	25.2	20.7
1 22	10 17.77	− 5 57.9	0.933	1.801	20.6	20.4
2 1	10 12.05	− 3 18.4	0.881	1.810	14.8	20.1
2 11	10 3.67	+ 0 12.9	0.850	1.820	8.5	19.8
2 21	9 54.10	+ 4 18.2	0.846	1.830	4.5	19.6
3 2	9 45.18	+ 8 30.0	0.868	1.839	8.9	19.9
3 12	9 38.65	+12 20.4	0.915	1.849	15.0	20.3
3 22	9 35.55	+15 31.5	0.985	1.859	20.3	20.6

90673 1977 XK_{3} 2 16.8 45°.14 5°.8/12.1 18

1 12	10 23.07	+23 52.6	1.660	2.497	14.6	19.0
1 22	10 18.91	+25 14.3	1.604	2.508	11.1	18.8
2 1	10 12.12	+26 37.7	1.572	2.520	7.7	18.6
2 11	10 3.53	+27 52.8	1.566	2.532	5.8	18.6
2 21	9 54.27	+28 50.9	1.587	2.544	7.1	18.7
3 2	9 45.65	+29 26.2	1.634	2.557	10.2	18.9
3 12	9 38.83	+29 36.9	1.706	2.569	13.5	19.1
3 22	9 34.52	+29 25.0	1.797	2.583	16.4	19.3

261204 2005 TO_{171} 2 16.8 90°.21 2°.8/19.0 18

1 12	10 25.04	+ 3 25.3	1.925	2.701	15.2	21.0
1 22	10 19.84	+ 3 16.5	1.854	2.719	12.0	20.8
2 1	10 12.46	+ 3 23.4	1.805	2.737	8.3	20.6
2 11	10 3.62	+ 3 44.0	1.783	2.754	4.5	20.5
2 21	9 54.23	+ 4 14.6	1.789	2.771	3.0	20.4
3 2	9 45.36	+ 4 50.5	1.825	2.788	5.9	20.6
3 12	9 37.93	+ 5 26.5	1.887	2.805	9.5	20.8
3 22	9 32.60	+ 5 58.3	1.975	2.821	12.8	21.1

341270 2007 RE_{264} 2 16.8 31°.98 1°.2/15.9 18

1 12	10 24.12	+14 55.3	1.971	2.784	13.6	20.2
1 22	10 19.24	+15 5.6	1.894	2.788	10.3	20.0
2 1	10 12.13	+15 22.5	1.841	2.793	6.5	19.7
2 11	10 3.51	+15 41.8	1.815	2.797	2.4	19.5
2 21	9 54.30	+15 58.8	1.819	2.803	2.5	19.5
3 2	9 45.55	+16 9.4	1.851	2.808	6.5	19.8
3 12	9 38.24	+16 11.0	1.909	2.813	10.2	20.0
3 22	9 33.03	+16 2.4	1.992	2.819	13.5	20.2

18691 1998 HE_{1} 2 16.8 224°.52 2°.1/14.6 18

1 12	10 21.90	+18 24.4	2.722	3.530	10.4	18.9
1 22	10 17.10	+18 56.6	2.631	3.524	7.8	18.7
2 1	10 10.60	+19 32.5	2.567	3.517	5.0	18.5
2 11	10 2.92	+20 7.9	2.531	3.510	2.5	18.3
2 21	9 54.72	+20 38.6	2.526	3.502	3.0	18.3
3 2	9 46.77	+21 1.0	2.551	3.495	5.8	18.5
3 12	9 39.81	+21 12.8	2.605	3.487	8.7	18.7
3 22	9 34.41	+21 13.2	2.682	3.479	11.2	18.8

501978 2014 YL_{31} 2 16.8 38°.38 7°.2/11.9 18

1 12	10 29.24	+30 39.6	1.749	2.575	14.4	20.3
1 22	10 23.50	+31 28.0	1.692	2.584	11.4	20.1
2 1	10 14.97	+32 10.2	1.658	2.593	8.7	20.0
2 11	10 4.57	+32 37.2	1.651	2.602	7.3	19.9
2 21	9 53.60	+32 42.5	1.670	2.612	8.3	20.0
3 2	9 43.46	+32 23.2	1.715	2.622	10.8	20.1
3 12	9 35.35	+31 40.7	1.784	2.632	13.7	20.3
3 22	9 29.96	+30 39.3	1.874	2.643	16.4	20.6

129406 5092 $T\text{-}_{2}$ 2 16.8 54°.51 2°.2/18.0 18

1 12	10 27.99	+ 7 32.7	1.317	2.129	19.1	19.8
1 22	10 23.01	+ 7 9.5	1.252	2.141	14.9	19.6
2 1	10 14.91	+ 7 2.5	1.207	2.152	9.9	19.3
2 11	10 4.63	+ 7 9.3	1.186	2.164	4.6	19.0
2 21	9 53.53	+ 7 25.2	1.191	2.177	2.8	19.0
3 2	9 43.20	+ 7 44.6	1.222	2.189	7.6	19.3
3 12	9 35.03	+ 8 1.5	1.278	2.202	12.5	19.6
3 22	9 29.85	+ 8 12.0	1.356	2.215	16.7	19.9

501003 2013 RL_{28} 2 16.8 64°.95 1°.6/15.5 18

1 12	10 22.28	+14 29.1	1.954	2.770	13.6	21.6
1 22	10 17.90	+15 6.8	1.879	2.775	10.2	21.4
2 1	10 11.32	+15 53.2	1.827	2.780	6.4	21.2
2 11	10 3.23	+16 42.8	1.803	2.785	2.5	21.0
2 21	9 54.51	+17 29.5	1.808	2.790	2.9	21.0
3 2	9 46.23	+18 7.8	1.841	2.795	6.8	21.3
3 12	9 39.33	+18 34.0	1.901	2.800	10.5	21.5
3 22	9 34.50	+18 46.4	1.984	2.806	13.7	21.7

456903 2007 VT_{216} 2 16.8 140°.60 0°.3/16.6 18

1 12	10 26.12	+10 44.8	1.950	2.749	14.2	22.6
1 22	10 20.74	+11 15.0	1.874	2.760	10.8	22.3
2 1	10 13.10	+11 56.6	1.823	2.770	6.9	22.1
2 11	10 3.88	+12 44.8	1.798	2.780	2.5	21.9
2 21	9 54.05	+13 33.8	1.804	2.790	2.0	21.8
3 2	9 44.69	+14 18.1	1.839	2.798	6.3	22.1
3 12	9 36.80	+14 53.0	1.901	2.806	10.2	22.4
3 22	9 31.06	+15 16.2	1.988	2.814	13.5	22.6

104275 2000 EW_{150} 2 16.8 294°.31 0°.1/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 20.35	+10 5.6	2.103	2.907	13.2	19.4
1 22	10 16.37	+10 34.3	2.012	2.900	10.1	19.2
2 1	10 10.36	+11 14.7	1.946	2.894	6.4	18.9
2 11	10 2.88	+12 2.8	1.907	2.888	2.4	18.7
2 21	9 54.74	+12 53.7	1.896	2.882	1.8	18.6
3 2	9 46.87	+13 41.6	1.915	2.876	5.9	18.9
3 12	9 40.19	+14 21.9	1.961	2.871	9.7	19.1
3 22	9 35.38	+14 51.5	2.031	2.865	13.0	19.3

464176 2015 AN_{140} 2 16.8 187°.20 0°.2/16.7 17

1 12	10 23.45	+11 2.6	2.485	3.276	11.7	22.2
1 22	10 18.36	+11 25.4	2.394	3.276	8.9	22.0
2 1	10 11.44	+11 57.0	2.328	3.275	5.7	21.8
2 11	10 3.25	+12 33.8	2.292	3.273	2.1	21.5
2 21	9 54.50	+13 11.8	2.285	3.271	1.6	21.5
3 2	9 46.02	+13 46.7	2.310	3.269	5.2	21.7
3 12	9 38.62	+14 15.1	2.363	3.265	8.6	21.9
3 22	9 32.89	+14 34.7	2.441	3.262	11.5	22.1

351619 2005 WA_{139} 2 16.8 126°.83 1°.4/15.8 18

1 12	10 27.82	+13 3.6	1.646	2.458	15.8	21.5
1 22	10 22.40	+13 46.5	1.578	2.472	12.0	21.3
2 1	10 14.31	+14 40.9	1.533	2.485	7.5	21.0
2 11	10 4.37	+15 40.1	1.515	2.497	2.8	20.8
2 21	9 53.73	+16 36.5	1.525	2.509	3.0	20.8
3 2	9 43.71	+17 23.2	1.564	2.520	7.6	21.1
3 12	9 35.49	+17 55.6	1.629	2.530	11.8	21.4
3 22	9 29.83	+18 12.2	1.716	2.540	15.4	21.6

519365 2011 NK_{4} 2 16.8 195°.93 3°.3/19.9 17

1 12	10 20.81	+ 0 22.4	2.582	3.334	12.4	21.7
1 22	10 16.30	+ 0 11.1	2.486	3.333	10.0	21.5
2 1	10 10.12	+ 0 13.3	2.414	3.332	7.2	21.4
2 11	10 2.76	+ 0 28.3	2.369	3.330	4.5	21.2
2 21	9 54.87	+ 0 54.0	2.353	3.329	3.3	21.1
3 2	9 47.20	+ 1 27.1	2.367	3.327	5.0	21.2
3 12	9 40.49	+ 2 3.5	2.410	3.325	7.8	21.4
3 22	9 35.29	+ 2 39.4	2.478	3.322	10.6	21.5

430621 2003 EH_{19} 2 16.8 351°.22 3°.3/20.1 18

1 12	10 15.02	− 0 55.6	1.832	2.612	15.7	20.3
1 22	10 12.60	− 0 19.8	1.741	2.606	12.7	20.0
2 1	10 8.10	+ 0 40.0	1.672	2.600	9.1	19.8
2 11	10 2.07	+ 2 1.4	1.627	2.596	5.3	19.6
2 21	9 55.34	+ 3 38.9	1.610	2.592	3.3	19.4
3 2	9 48.87	+ 5 24.3	1.621	2.589	6.0	19.6
3 12	9 43.64	+ 7 8.4	1.659	2.587	9.9	19.8
3 22	9 40.35	+ 8 43.3	1.722	2.585	13.5	20.0

491419 2012 DE_{95} 2 16.8 182°.20 0°.5/17.4 18

1 12	10 22.10	+ 6 24.7	2.327	3.109	12.7	21.7
1 22	10 17.49	+ 7 18.8	2.236	3.110	9.8	21.6
2 1	10 10.97	+ 8 27.6	2.169	3.111	6.4	21.3
2 11	10 3.10	+ 9 47.0	2.131	3.111	2.6	21.1
2 21	9 54.62	+11 11.3	2.123	3.110	1.5	21.0
3 2	9 46.37	+12 33.9	2.147	3.108	5.4	21.3
3 12	9 39.22	+13 48.9	2.200	3.106	8.9	21.5
3 22	9 33.79	+14 52.3	2.278	3.103	12.1	21.7

86294 1999 VM_{13} 2 16.8 104°.33 16°.3/28.9 18

1 12	10 26.97	−21 56.6	1.335	2.002	25.5	19.0
1 22	10 22.69	−23 52.0	1.269	2.013	23.3	18.8
2 1	10 15.04	−25 9.5	1.217	2.023	20.8	18.7
2 11	10 4.82	−25 39.6	1.181	2.033	18.4	18.6
2 21	9 53.37	−25 17.4	1.163	2.044	16.8	18.5
3 2	9 42.42	−24 5.0	1.165	2.053	16.3	18.5
3 12	9 33.62	−22 13.2	1.187	2.063	17.3	18.6
3 22	9 28.04	−19 57.5	1.229	2.072	19.2	18.7

310412 1999 TE_{129} 2 16.8 80°.39 0°.8/16.3 18

1 12	10 28.33	+12 12.0	1.614	2.425	16.2	21.2
1 22	10 22.59	+12 40.7	1.560	2.452	12.2	21.0
2 1	10 14.29	+13 20.4	1.528	2.479	7.6	20.8
2 11	10 4.31	+14 5.2	1.523	2.505	2.8	20.6
2 21	9 53.85	+14 48.3	1.546	2.532	2.5	20.6
3 2	9 44.19	+15 23.8	1.598	2.557	7.1	21.0
3 12	9 36.41	+15 47.6	1.676	2.583	11.2	21.3
3 22	9 31.16	+15 58.3	1.777	2.608	14.7	21.6

62113 2000 RP_{99} 2 16.8 73°.73 5°.8/23.0 18

1 12	10 19.07	− 8 25.6	2.415	3.127	14.2	19.0
1 22	10 15.07	− 8 43.1	2.331	3.137	12.0	18.8
2 1	10 9.36	− 8 41.0	2.268	3.148	9.5	18.7
2 11	10 2.48	− 8 18.7	2.230	3.158	7.2	18.6
2 21	9 55.10	− 7 37.9	2.219	3.169	5.9	18.5
3 2	9 48.01	− 6 42.5	2.236	3.180	6.5	18.6
3 12	9 41.96	− 5 37.9	2.280	3.191	8.5	18.7
3 22	9 37.49	− 4 30.1	2.351	3.201	10.8	18.9

461923 2006 SS_{56} 2 16.8 139°.65 4°.7/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 24.46	+29 44.6	3.076	3.883	9.3	21.4
1 22	10 18.83	+30 38.6	3.014	3.896	7.3	21.3
2 1	10 11.58	+31 29.2	2.979	3.909	5.5	21.2
2 11	10 3.26	+32 11.1	2.974	3.920	4.7	21.1
2 21	9 54.57	+32 40.3	2.999	3.932	5.5	21.2
3 2	9 46.25	+32 54.4	3.052	3.943	7.2	21.3
3 12	9 39.00	+32 52.6	3.133	3.953	9.1	21.5
3 22	9 33.32	+32 36.3	3.236	3.963	10.9	21.6

93938 2000 WH_{171} 2 16.8 85°.61 0°.7/17.4 18

1 12	10 23.77	+ 8 14.9	1.978	2.773	14.2	19.9
1 22	10 18.83	+ 8 36.0	1.911	2.793	10.9	19.7
2 1	10 11.81	+ 9 9.7	1.868	2.813	7.0	19.5
2 11	10 3.39	+ 9 51.9	1.852	2.832	2.9	19.3
2 21	9 54.49	+10 37.7	1.865	2.852	1.7	19.2
3 2	9 46.10	+11 21.5	1.908	2.871	5.7	19.6
3 12	9 39.12	+11 58.9	1.978	2.890	9.5	19.8
3 22	9 34.16	+12 26.9	2.072	2.909	12.7	20.1

298968 2004 VS_{27} 2 16.8 92°.07 0°.6/17.3 18

1 12	10 27.35	+ 8 23.6	1.605	2.406	16.7	21.4
1 22	10 21.94	+ 8 47.5	1.544	2.429	12.7	21.2
2 1	10 13.94	+ 9 26.6	1.505	2.451	8.2	21.0
2 11	10 4.22	+10 15.7	1.493	2.473	3.3	20.8
2 21	9 53.92	+11 8.4	1.508	2.495	2.0	20.7
3 2	9 44.32	+11 57.6	1.552	2.516	6.7	21.1
3 12	9 36.55	+12 37.9	1.623	2.536	11.1	21.4
3 22	9 31.29	+13 6.2	1.717	2.556	14.7	21.6

406897 2009 DV_{82} 2 16.8 19°.74 2°.3/15.4 18

1 12	10 23.05	+14 55.1	1.253	2.094	18.1	21.0
1 22	10 19.54	+15 30.4	1.190	2.099	13.7	20.8
2 1	10 12.85	+16 18.0	1.147	2.104	8.6	20.5
2 11	10 3.92	+17 9.8	1.128	2.111	3.5	20.2
2 21	9 54.10	+17 56.7	1.135	2.118	4.0	20.3
3 2	9 45.00	+18 30.7	1.166	2.125	9.1	20.6
3 12	9 38.05	+18 47.2	1.221	2.134	14.0	20.9
3 22	9 34.11	+18 45.1	1.296	2.143	18.1	21.2

382404 1995 SK_{72} 2 16.9 47°.27 5°.2/20.8 18

1 12	10 24.49	− 1 46.4	1.919	2.674	16.0	20.7
1 22	10 19.37	− 2 30.2	1.856	2.699	13.0	20.6
2 1	10 12.14	− 2 55.7	1.814	2.724	9.7	20.4
2 11	10 3.51	− 3 2.7	1.798	2.750	6.6	20.3
2 21	9 54.42	− 2 53.2	1.809	2.777	5.2	20.2
3 2	9 45.88	− 2 30.8	1.848	2.803	6.7	20.4
3 12	9 38.80	− 2 0.8	1.914	2.830	9.5	20.6
3 22	9 33.77	− 1 28.8	2.004	2.856	12.4	20.8

334125 2001 RE_{15} 2 16.9 95°.98 4°.3/22.1 18

1 12	10 20.88	− 6 3.9	2.786	3.498	12.5	21.1
1 22	10 16.08	− 6 1.8	2.713	3.526	10.3	21.0
2 1	10 9.82	− 5 43.1	2.664	3.554	7.9	20.8
2 11	10 2.60	− 5 8.6	2.641	3.581	5.6	20.7
2 21	9 55.06	− 4 20.7	2.647	3.608	4.3	20.7
3 2	9 47.86	− 3 23.3	2.683	3.634	5.1	20.8
3 12	9 41.62	− 2 21.2	2.749	3.660	7.2	20.9
3 22	9 36.80	− 1 19.1	2.841	3.685	9.4	21.1

346936 2010 AJ_{47} 2 16.9 12°.95 3°.0/18.6 18

1 12	10 23.34	+ 4 28.9	1.250	2.064	19.8	20.4
1 22	10 19.80	+ 4 23.4	1.177	2.065	15.6	20.1
2 1	10 13.10	+ 4 40.3	1.123	2.066	10.7	19.8
2 11	10 4.06	+ 5 17.3	1.092	2.068	5.5	19.5
2 21	9 53.97	+ 6 8.5	1.085	2.070	3.3	19.4
3 2	9 44.45	+ 7 5.7	1.104	2.073	7.9	19.7
3 12	9 36.97	+ 7 59.7	1.147	2.076	13.1	19.9
3 22	9 32.50	+ 8 43.8	1.210	2.079	17.7	20.2

53367 1999 JR_{80} 2 16.9 270°.77 5°.6/10.2 18

1 12	10 21.75	+27 45.6	2.480	3.302	10.8	19.0
1 22	10 17.46	+29 11.7	2.391	3.283	8.5	18.9
2 1	10 11.11	+30 38.5	2.328	3.263	6.4	18.7
2 11	10 3.22	+31 58.4	2.294	3.243	5.6	18.6
2 21	9 54.56	+33 4.5	2.288	3.223	6.8	18.6
3 2	9 46.06	+33 51.5	2.311	3.203	9.1	18.8
3 12	9 38.69	+34 17.1	2.359	3.183	11.6	18.9
3 22	9 33.15	+34 21.8	2.428	3.162	14.0	19.0

489358 2006 UH_{117} 2 16.9 149°.55 2°.8/19.7 17

1 12	10 18.74	+ 1 0.5	2.470	3.233	12.6	21.7
1 22	10 14.82	+ 1 10.5	2.378	3.234	10.1	21.5
2 1	10 9.22	+ 1 35.5	2.310	3.234	7.2	21.3
2 11	10 2.44	+ 2 13.9	2.268	3.235	4.2	21.1
2 21	9 55.15	+ 3 2.4	2.256	3.236	2.8	21.0
3 2	9 48.10	+ 3 56.9	2.273	3.236	4.9	21.1
3 12	9 42.02	+ 4 52.2	2.319	3.237	7.9	21.3
3 22	9 37.48	+ 5 43.9	2.390	3.237	10.8	21.5

117316 2004 VM_{57} 2 16.9 63°.09 1°.8/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.03	+ 5 41.6	1.998	2.787	14.3	19.8
1 22	10 17.68	+ 5 45.9	1.913	2.788	11.2	19.6
2 1	10 11.20	+ 6 4.4	1.851	2.790	7.5	19.4
2 11	10 3.22	+ 6 34.6	1.815	2.791	3.7	19.2
2 21	9 54.60	+ 7 12.4	1.807	2.792	2.2	19.1
3 2	9 46.31	+ 7 53.0	1.829	2.794	5.7	19.3
3 12	9 39.31	+ 8 31.3	1.878	2.795	9.5	19.5
3 22	9 34.29	+ 9 3.0	1.951	2.797	12.9	19.7

288762 2004 RM_{89} 2 16.9 180°.54 2°.9/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.52	+ 1 38.1	1.866	2.638	15.8	21.7
1 22	10 19.75	+ 1 55.5	1.778	2.640	12.6	21.5
2 1	10 12.63	+ 2 32.6	1.711	2.641	8.8	21.3
2 11	10 3.80	+ 3 27.3	1.670	2.641	4.8	21.0
2 21	9 54.18	+ 4 34.6	1.658	2.641	3.0	20.9
3 2	9 44.88	+ 5 47.8	1.675	2.639	6.2	21.1
3 12	9 36.99	+ 6 59.6	1.720	2.638	10.2	21.3
3 22	9 31.27	+ 8 3.7	1.789	2.635	13.9	21.6

266598 2008 JM_{25} 2 16.9 171°.34 1°.0/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.02	+11 46.0	2.181	2.985	12.8	21.3
1 22	10 17.55	+12 41.6	2.098	2.987	9.7	21.1
2 1	10 11.07	+13 48.3	2.039	2.990	6.0	20.9
2 11	10 3.17	+15 0.9	2.009	2.991	2.2	20.6
2 21	9 54.64	+16 13.0	2.009	2.993	2.3	20.7
3 2	9 46.43	+17 18.4	2.039	2.994	6.2	20.9
3 12	9 39.41	+18 12.2	2.097	2.994	9.8	21.1
3 22	9 34.25	+18 51.8	2.178	2.994	12.9	21.3

20775 2000 RU_{9} 2 16.9 97°.85 1°.7/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.42	+13 56.5	1.689	2.503	15.4	19.0
1 22	10 21.93	+14 43.7	1.630	2.525	11.6	18.8
2 1	10 13.92	+15 40.8	1.594	2.546	7.2	18.6
2 11	10 4.22	+16 40.8	1.586	2.567	2.8	18.3
2 21	9 53.96	+17 36.4	1.606	2.588	3.2	18.4
3 2	9 44.39	+18 21.0	1.654	2.608	7.4	18.7
3 12	9 36.61	+18 50.8	1.729	2.628	11.4	19.0
3 22	9 31.28	+19 4.9	1.827	2.647	14.8	19.2

33664 1999 JK_{93} 2 16.9 158°.30 4°.9/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.65	− 6 7.4	2.267	2.994	14.6	18.8
1 22	10 16.42	− 5 57.7	2.176	2.999	12.1	18.6
2 1	10 10.31	− 5 26.7	2.106	3.004	9.3	18.4
2 11	10 2.88	− 4 35.0	2.062	3.008	6.5	18.3
2 21	9 54.87	− 3 25.5	2.046	3.012	4.9	18.2
3 2	9 47.13	− 2 3.6	2.059	3.015	6.0	18.2
3 12	9 40.49	− 0 36.2	2.101	3.018	8.7	18.4
3 22	9 35.57	+ 0 49.9	2.169	3.020	11.6	18.6

172689 2003 YQ_{169} 2 16.9 89°.65 0°.1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.85	+10 59.3	1.666	2.474	15.9	20.1
1 22	10 21.61	+11 8.6	1.596	2.486	12.1	19.9
2 1	10 13.79	+11 29.6	1.549	2.498	7.7	19.7
2 11	10 4.21	+11 57.7	1.528	2.510	2.9	19.4
2 21	9 53.97	+12 27.6	1.535	2.521	2.0	19.4
3 2	9 44.33	+12 53.7	1.571	2.533	6.8	19.7
3 12	9 36.43	+13 11.9	1.632	2.545	11.1	20.0
3 22	9 31.00	+13 19.8	1.717	2.556	14.8	20.2

276856 2004 RK_{130} 2 16.9 182°.88 0°.7/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.71	+12 23.2	2.115	2.918	13.1	21.7
1 22	10 18.87	+12 48.4	2.030	2.919	10.0	21.5
2 1	10 11.93	+13 22.8	1.969	2.919	6.3	21.3
2 11	10 3.51	+14 2.3	1.937	2.919	2.3	21.0
2 21	9 54.44	+14 41.7	1.933	2.918	2.1	21.0
3 2	9 45.72	+15 16.1	1.959	2.917	6.1	21.3
3 12	9 38.29	+15 41.6	2.013	2.916	9.8	21.5
3 22	9 32.81	+15 56.3	2.091	2.915	13.0	21.7

272798 2006 AR_{4} 2 16.9 4°.13 0°.8/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.27	+11 20.2	1.395	2.230	16.9	20.0
1 22	10 15.65	+11 55.3	1.324	2.230	12.9	19.7
2 1	10 10.30	+12 45.9	1.274	2.230	8.2	19.4
2 11	10 2.98	+13 46.0	1.249	2.232	3.0	19.1
2 21	9 54.82	+14 47.3	1.249	2.235	2.7	19.1
3 2	9 47.18	+15 41.5	1.275	2.239	7.9	19.4
3 12	9 41.31	+16 22.0	1.325	2.244	12.6	19.7
3 22	9 38.02	+16 45.6	1.396	2.250	16.7	20.0

18196 Rowberry 2 16.9 271°.04 2°.3/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.85	+15 20.2	1.581	2.404	15.9	18.5
1 22	10 21.47	+15 59.8	1.487	2.387	12.1	18.2
2 1	10 14.13	+16 50.9	1.415	2.369	7.7	17.9
2 11	10 4.50	+17 46.8	1.369	2.350	3.3	17.6
2 21	9 53.68	+18 39.3	1.350	2.332	3.9	17.5
3 2	9 43.10	+19 20.5	1.359	2.313	8.7	17.8
3 12	9 34.23	+19 45.1	1.393	2.294	13.5	18.0
3 22	9 28.07	+19 51.4	1.448	2.275	17.6	18.2

154539 2003 GM_{10} 2 16.9 237°.72 6°.0/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 27.99	+29 9.0	2.235	3.051	12.1	20.5
1 22	10 22.31	+30 8.5	2.151	3.039	9.5	20.3
2 1	10 14.22	+31 5.5	2.093	3.026	7.2	20.1
2 11	10 4.40	+31 52.4	2.062	3.013	6.0	20.0
2 21	9 53.81	+32 22.5	2.060	3.000	7.1	20.1
3 2	9 43.59	+32 31.6	2.086	2.987	9.5	20.2
3 12	9 34.82	+32 18.9	2.138	2.973	12.3	20.4
3 22	9 28.29	+31 46.5	2.211	2.958	14.8	20.5

384602 2010 RM_{167} 2 16.9 139°.30 12°.7/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.85	−12 17.3	1.372	2.087	23.0	20.4
1 22	10 26.27	−14 13.4	1.298	2.095	20.2	20.2
2 1	10 17.29	−15 41.1	1.241	2.101	17.1	20.0
2 11	10 5.71	−16 32.6	1.204	2.108	14.3	19.8
2 21	9 52.85	−16 43.6	1.190	2.114	12.8	19.8
3 2	9 40.44	−16 15.5	1.199	2.119	13.3	19.8
3 12	9 30.14	−15 17.3	1.231	2.124	15.5	19.9
3 22	9 23.05	−14 1.3	1.284	2.128	18.4	20.1

386959 2011 ST_{211} 2 16.9 243°.43 3°.0/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.43	+21 41.8	2.493	3.303	11.1	20.9
1 22	10 19.90	+22 1.2	2.407	3.299	8.5	20.7
2 1	10 12.44	+22 21.5	2.348	3.295	5.5	20.5
2 11	10 3.67	+22 38.1	2.317	3.291	3.2	20.3
2 21	9 54.37	+22 46.8	2.316	3.287	3.8	20.4
3 2	9 45.42	+22 44.7	2.345	3.283	6.6	20.5
3 12	9 37.69	+22 30.6	2.402	3.279	9.5	20.7
3 22	9 31.76	+22 4.8	2.483	3.275	12.2	20.9

332930 2011 CV_{60} 2 16.9 235°.62 0°.1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.99	+ 8 49.2	1.996	2.798	13.8	21.0
1 22	10 16.98	+ 9 27.8	1.908	2.795	10.6	20.8
2 1	10 10.82	+10 20.5	1.844	2.791	6.8	20.6
2 11	10 3.13	+11 22.9	1.807	2.788	2.6	20.3
2 21	9 54.73	+12 28.9	1.798	2.784	1.8	20.2
3 2	9 46.62	+13 32.2	1.819	2.781	6.1	20.5
3 12	9 39.78	+14 26.9	1.867	2.777	10.0	20.7
3 22	9 34.90	+15 9.4	1.939	2.774	13.5	20.9

37311 2001 PH_{28} 2 16.9 20°.07 0°.1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.17	+ 9 52.1	1.887	2.697	14.2	18.5
1 22	10 16.38	+10 15.4	1.810	2.701	10.9	18.3
2 1	10 10.42	+10 51.0	1.756	2.705	6.9	18.1
2 11	10 2.96	+11 34.8	1.728	2.710	2.7	17.8
2 21	9 54.87	+12 21.4	1.729	2.715	1.8	17.8
3 2	9 47.19	+13 5.0	1.758	2.721	6.1	18.1
3 12	9 40.87	+13 40.8	1.813	2.727	10.1	18.3
3 22	9 36.57	+14 5.7	1.892	2.733	13.5	18.5

242638 2005 MV_{39} 2 16.9 203°.86 2°.3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.27	+15 40.3	2.735	3.542	10.3	20.7
1 22	10 15.20	+17 8.4	2.646	3.539	7.7	20.5
2 1	10 9.48	+18 44.7	2.585	3.536	4.9	20.3
2 11	10 2.58	+20 23.3	2.554	3.532	2.5	20.1
2 21	9 55.13	+21 57.9	2.555	3.528	3.3	20.2
3 2	9 47.84	+23 22.5	2.588	3.524	6.1	20.4
3 12	9 41.44	+24 33.0	2.649	3.520	9.0	20.6
3 22	9 36.51	+25 27.3	2.734	3.515	11.5	20.7

502439 2015 BQ_{276} 2 16.9 335°.04 1°.4/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.17	+15 40.2	2.065	2.877	13.1	20.8
1 22	10 19.29	+15 52.9	1.981	2.874	9.9	20.6
2 1	10 12.22	+16 11.6	1.921	2.872	6.3	20.4
2 11	10 3.63	+16 32.0	1.888	2.870	2.5	20.1
2 21	9 54.41	+16 49.5	1.885	2.868	2.6	20.1
3 2	9 45.57	+17 0.0	1.911	2.866	6.4	20.4
3 12	9 38.08	+17 0.9	1.963	2.864	10.1	20.6
3 22	9 32.63	+16 51.2	2.040	2.863	13.4	20.8

241175 2007 RV_{216} 2 16.9 159°.51 1°.2/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.01	+12 40.7	2.040	2.842	13.6	21.4
1 22	10 20.67	+13 27.1	1.961	2.849	10.3	21.2
2 1	10 13.10	+14 23.7	1.907	2.856	6.4	21.0
2 11	10 3.97	+15 25.1	1.881	2.863	2.4	20.7
2 21	9 54.19	+16 24.9	1.885	2.868	2.5	20.7
3 2	9 44.82	+17 17.0	1.918	2.873	6.5	21.0
3 12	9 36.84	+17 57.0	1.980	2.877	10.3	21.2
3 22	9 30.95	+18 23.0	2.065	2.880	13.5	21.5

454633 2014 QE_{179} 2 16.9 259°.98 4°.9/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.89	+22 21.8	1.711	2.535	14.8	21.3
1 22	10 23.70	+23 15.6	1.618	2.517	11.4	21.1
2 1	10 15.52	+24 13.9	1.549	2.498	7.7	20.8
2 11	10 5.03	+25 8.0	1.506	2.478	5.1	20.6
2 21	9 53.38	+25 49.2	1.492	2.458	6.2	20.6
3 2	9 42.03	+26 10.5	1.504	2.438	10.0	20.8
3 12	9 32.42	+26 9.2	1.542	2.417	14.0	21.0
3 22	9 25.56	+25 46.6	1.600	2.395	17.6	21.1

111562 2002 AJ_3 2 16.9 123°.79 2°.9/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.64	+17 11.4	2.166	2.980	12.5	19.9
1 22	10 18.75	+18 28.4	2.100	2.995	9.3	19.7
2 1	10 11.81	+19 52.1	2.059	3.010	5.9	19.5
2 11	10 3.46	+21 15.4	2.047	3.024	3.1	19.4
2 21	9 54.57	+22 31.1	2.065	3.038	4.0	19.5
3 2	9 46.10	+23 33.3	2.114	3.052	7.2	19.7
3 12	9 38.95	+24 18.4	2.189	3.065	10.4	19.9
3 22	9 33.75	+24 45.7	2.288	3.077	13.2	20.1

369298 2009 SZ_{25} 2 16.9 166°.70 0°.6/17.4 13 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.18	+ 8 22.0	2.212	3.002	13.1	22.5
1 22	10 18.37	+ 8 46.5	2.126	3.005	10.0	22.3
2 1	10 11.58	+ 9 22.9	2.065	3.009	6.5	22.1
2 11	10 3.40	+10 7.7	2.031	3.011	2.6	21.8
2 21	9 54.62	+10 56.2	2.027	3.014	1.6	21.7
3 2	9 46.16	+11 43.4	2.054	3.016	5.5	22.0
3 12	9 38.91	+12 24.6	2.108	3.017	9.1	22.2
3 22	9 33.48	+12 56.7	2.187	3.018	12.3	22.4

501467 2014 BZ_{17} 2 16.9 173°.03 4°.2/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.31	− 3 0.9	2.994	3.713	11.6	21.6
1 22	10 18.72	− 3 38.4	2.896	3.715	9.5	21.5
2 1	10 11.59	− 4 3.6	2.822	3.717	7.3	21.3
2 11	10 3.36	− 4 16.3	2.776	3.719	5.2	21.2
2 21	9 54.66	− 4 17.2	2.759	3.720	4.2	21.1
3 2	9 46.15	− 4 8.0	2.774	3.721	5.2	21.2
3 12	9 38.51	− 3 51.7	2.818	3.721	7.3	21.3
3 22	9 32.25	− 3 31.8	2.889	3.722	9.6	21.5

165211 2000 SP_7 2 16.9 130°.72 3°.1/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.71	+ 2 12.3	1.797	2.572	16.2	20.5
1 22	10 20.63	+ 2 13.3	1.720	2.583	12.9	20.3
2 1	10 13.17	+ 2 32.7	1.664	2.594	9.0	20.1
2 11	10 4.03	+ 3 8.5	1.634	2.605	5.0	19.9
2 21	9 54.20	+ 3 56.4	1.632	2.614	3.2	19.8
3 2	9 44.83	+ 4 50.5	1.660	2.624	6.3	20.0
3 12	9 37.00	+ 5 44.1	1.714	2.633	10.2	20.2
3 22	9 31.42	+ 6 31.8	1.792	2.641	13.8	20.5

169174 2001 QC_{234} 2 16.9 133°.87 0°.7/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.26	+13 12.7	2.688	3.485	10.8	20.6
1 22	10 17.29	+13 37.7	2.610	3.495	8.2	20.5
2 1	10 10.69	+14 9.1	2.558	3.506	5.1	20.3
2 11	10 3.02	+14 43.4	2.534	3.516	1.9	20.1
2 21	9 54.93	+15 16.7	2.541	3.526	1.8	20.1
3 2	9 47.16	+15 45.5	2.579	3.535	5.0	20.3
3 12	9 40.41	+16 6.9	2.646	3.544	8.0	20.5
3 22	9 35.19	+16 19.6	2.738	3.552	10.6	20.7

10044 Squyres 2 16.9 138°.61 1°.3/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.31	+ 7 12.1	2.481	3.249	12.4	18.8
1 22	10 21.88	+ 7 9.4	2.401	3.266	9.6	18.6
2 1	10 13.62	+ 7 16.5	2.346	3.282	6.4	18.4
2 11	10 4.12	+ 7 31.2	2.320	3.297	2.9	18.2
2 21	9 54.17	+ 7 50.4	2.326	3.311	1.7	18.1
3 2	9 44.62	+ 8 10.8	2.363	3.324	4.9	18.4
3 12	9 36.28	+ 8 29.2	2.430	3.336	8.2	18.6
3 22	9 29.71	+ 8 43.0	2.523	3.348	11.0	18.8

453370 2009 BA_{53} 2 16.9 62°.66 0°.9/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.07	+12 3.9	1.378	2.202	17.7	21.4
1 22	10 21.44	+12 33.1	1.319	2.218	13.4	21.2
2 1	10 13.88	+13 15.8	1.281	2.234	8.4	21.0
2 11	10 4.31	+14 5.5	1.268	2.251	3.1	20.7
2 21	9 54.04	+14 54.1	1.282	2.268	2.8	20.7
3 2	9 44.55	+15 34.3	1.323	2.284	7.9	21.1
3 12	9 37.12	+16 1.1	1.388	2.301	12.6	21.4
3 22	9 32.51	+16 12.5	1.475	2.318	16.5	21.7

317670 2003 HZ_{13} 2 16.9 291°.89 1°.5/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.70	+12 14.1	1.439	2.267	16.9	21.1
1 22	10 19.32	+12 59.6	1.346	2.248	13.0	20.8
2 1	10 12.91	+14 2.2	1.274	2.229	8.3	20.4
2 11	10 4.12	+15 15.5	1.227	2.210	3.1	20.1
2 21	9 54.05	+16 30.3	1.206	2.190	3.3	20.0
3 2	9 44.18	+17 36.8	1.212	2.171	8.8	20.3
3 12	9 36.05	+18 27.2	1.242	2.153	14.0	20.5
3 22	9 30.74	+18 57.6	1.292	2.134	18.5	20.8

26833 1990 RE 2 16.9 97°.76 1°.1/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.16	+ 5 20.0	2.365	3.148	12.5	18.8
1 22	10 15.18	+ 6 1.1	2.285	3.159	9.7	18.6
2 1	10 9.47	+ 6 56.1	2.230	3.169	6.4	18.4
2 11	10 2.59	+ 8 1.4	2.202	3.180	2.8	18.2
2 21	9 55.22	+ 9 12.2	2.204	3.190	1.5	18.1
3 2	9 48.17	+10 22.8	2.236	3.200	4.9	18.4
3 12	9 42.17	+11 27.9	2.297	3.211	8.3	18.6
3 22	9 37.78	+12 23.5	2.384	3.220	11.2	18.8

107783 2001 FR_{50} 2 16.9 315°.29 0°.8/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.35	+ 8 46.4	1.479	2.297	17.1	20.1
1 22	10 18.81	+ 8 56.3	1.391	2.285	13.3	19.8
2 1	10 12.43	+ 9 22.5	1.324	2.273	8.7	19.5
2 11	10 3.88	+10 1.4	1.281	2.262	3.6	19.2
2 21	9 54.27	+10 47.0	1.264	2.251	2.1	19.0
3 2	9 44.97	+11 32.1	1.274	2.240	7.5	19.3
3 12	9 37.38	+12 9.8	1.308	2.230	12.5	19.6
3 22	9 32.44	+12 35.7	1.364	2.220	16.9	19.8

464172 2015 AM_{64} 2 16.9 90°.94 0°.1/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.42	+ 9 37.6	1.977	2.781	13.9	21.0
1 22	10 17.24	+10 17.7	1.901	2.789	10.6	20.8
2 1	10 10.95	+11 10.6	1.848	2.797	6.7	20.6
2 11	10 3.19	+12 11.5	1.823	2.805	2.5	20.3
2 21	9 54.84	+13 14.5	1.827	2.813	1.9	20.3
3 2	9 46.88	+14 13.2	1.859	2.820	6.1	20.6
3 12	9 40.24	+15 2.4	1.919	2.828	9.9	20.8
3 22	9 35.58	+15 39.1	2.003	2.836	13.2	21.0

160197 2001 YP_{139} 2 16.9 28°.33 2°.0/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.16	+10 44.2	1.488	2.318	16.3	19.4
1 22	10 15.41	+12 21.1	1.423	2.326	12.3	19.1
2 1	10 10.08	+14 16.7	1.380	2.336	7.6	18.9
2 11	10 2.93	+16 21.4	1.363	2.346	2.9	18.6
2 21	9 55.01	+18 23.3	1.375	2.357	3.7	18.7
3 2	9 47.60	+20 11.0	1.413	2.368	8.4	19.0
3 12	9 41.85	+21 36.5	1.477	2.380	12.7	19.3
3 22	9 38.53	+22 36.8	1.563	2.392	16.4	19.5

23912 1998 SU_{128} 2 16.9 198°.01 1°.4/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.10	+14 19.3	2.216	3.025	12.4	18.6
1 22	10 17.63	+14 57.2	2.131	3.024	9.4	18.4
2 1	10 11.15	+15 43.3	2.071	3.022	5.9	18.1
2 11	10 3.27	+16 32.5	2.039	3.021	2.3	17.9
2 21	9 54.78	+17 19.7	2.037	3.019	2.6	17.9
3 2	9 46.60	+17 59.6	2.064	3.018	6.2	18.2
3 12	9 39.62	+18 28.7	2.119	3.016	9.7	18.4
3 22	9 34.49	+18 45.2	2.197	3.014	12.7	18.6

81860 2000 KA_{71} 2 16.9 11°.67 11°.0/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.98	+33 19.1	1.303	2.153	17.0	17.8
1 22	10 20.67	+35 11.6	1.256	2.156	14.0	17.7
2 1	10 13.79	+36 55.9	1.231	2.159	11.6	17.5
2 11	10 4.38	+38 17.2	1.228	2.164	11.0	17.5
2 21	9 54.03	+39 4.1	1.248	2.169	12.6	17.6
3 2	9 44.58	+39 11.4	1.291	2.176	15.3	17.8
3 12	9 37.63	+38 41.2	1.353	2.183	18.3	18.0
3 22	9 34.04	+37 40.3	1.431	2.192	20.9	18.2

463952 2014 VX_3 2 16.9 77°.76 6°.9/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.52	+29 37.2	1.729	2.551	14.8	21.2
1 22	10 25.99	+30 22.2	1.673	2.564	11.6	21.1
2 1	10 16.58	+31 1.5	1.641	2.577	8.6	20.9
2 11	10 5.29	+31 26.0	1.635	2.590	6.9	20.8
2 21	9 53.46	+31 29.4	1.656	2.603	7.9	20.9
3 2	9 42.53	+31 8.8	1.704	2.616	10.6	21.1
3 12	9 33.73	+30 25.8	1.777	2.629	13.6	21.3
3 22	9 27.75	+29 24.8	1.870	2.641	16.3	21.5

495913 2005 UF_{218} 2 16.9 80°.50 4°.8/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.95	− 2 16.5	1.869	2.626	16.3	21.3
1 22	10 18.43	− 2 30.5	1.795	2.641	13.3	21.2
2 1	10 11.73	− 2 24.1	1.742	2.656	9.8	21.0
2 11	10 3.50	− 1 57.7	1.714	2.671	6.5	20.8
2 21	9 54.68	− 1 14.5	1.713	2.685	4.8	20.7
3 2	9 46.30	− 0 19.9	1.740	2.700	6.5	20.9
3 12	9 39.35	+ 0 39.4	1.794	2.714	9.7	21.1
3 22	9 34.47	+ 1 37.0	1.873	2.729	13.0	21.3

472374 2015 BV_{65} 2 16.9 217°.04 2°.4/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.24	+16 14.6	2.145	2.962	12.5	21.4
1 22	10 17.08	+17 11.3	2.063	2.960	9.4	21.2
2 1	10 10.86	+18 15.9	2.006	2.959	5.9	20.9
2 11	10 3.19	+19 22.3	1.977	2.957	2.8	20.7
2 21	9 54.88	+20 24.1	1.978	2.955	3.5	20.8
3 2	9 46.88	+21 15.4	2.007	2.953	6.9	21.0
3 12	9 40.11	+21 52.3	2.064	2.952	10.4	21.2
3 22	9 35.23	+22 13.5	2.143	2.950	13.4	21.4

173988 2001 XT_{163} 2 16.9 41°.78 0°.6/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.46	+ 8 15.9	2.212	3.009	12.8	20.3
1 22	10 15.56	+ 8 41.2	2.131	3.014	9.8	20.1
2 1	10 9.80	+ 9 18.4	2.075	3.020	6.4	19.9
2 11	10 2.77	+10 4.0	2.046	3.026	2.6	19.6
2 21	9 55.21	+10 53.5	2.046	3.033	1.5	19.6
3 2	9 47.98	+11 41.6	2.076	3.039	5.3	19.8
3 12	9 41.89	+12 23.9	2.133	3.046	8.8	20.1
3 22	9 37.52	+12 57.2	2.215	3.053	11.9	20.3

327018 2004 RC_{199} 2 16.9 144°.91 0°.8/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.93	+ 7 50.4	2.605	3.382	11.6	21.0
1 22	10 18.59	+ 8 5.6	2.523	3.394	9.0	20.9
2 1	10 11.56	+ 8 30.7	2.466	3.406	5.8	20.7
2 11	10 3.40	+ 9 2.8	2.438	3.417	2.5	20.5
2 21	9 54.79	+ 9 38.4	2.441	3.427	1.4	20.4
3 2	9 46.50	+10 13.7	2.475	3.436	4.7	20.7
3 12	9 39.26	+10 45.2	2.538	3.445	7.8	20.9
3 22	9 33.61	+11 10.2	2.627	3.454	10.6	21.1

374571 2006 BC_{277} 2 16.9 158°.05 0°.6/16.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.07	+12 57.1	2.361	3.157	12.1	21.3
1 22	10 19.67	+13 13.5	2.278	3.163	9.2	21.1
2 1	10 12.35	+13 37.1	2.220	3.168	5.8	20.9
2 11	10 3.72	+14 4.4	2.191	3.173	2.1	20.7
2 21	9 54.56	+14 31.0	2.192	3.177	1.9	20.6
3 2	9 45.76	+14 53.3	2.223	3.181	5.5	20.9
3 12	9 38.15	+15 8.1	2.283	3.184	8.9	21.1
3 22	9 32.34	+15 14.0	2.368	3.187	11.9	21.3

382563 2001 XQ_{264} 2 16.9 2°.75 13°.8/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.62	−24 43.8	1.944	2.559	19.8	20.2
1 22	10 15.55	−26 23.3	1.862	2.558	18.4	20.0
2 1	10 10.15	−27 33.9	1.796	2.558	16.8	19.9
2 11	10 3.02	−28 9.5	1.747	2.559	15.3	19.8
2 21	9 55.01	−28 6.7	1.718	2.561	14.2	19.7
3 2	9 47.21	−27 26.1	1.709	2.564	13.8	19.7
3 12	9 40.75	−26 13.2	1.722	2.567	14.3	19.7
3 22	9 36.42	−24 36.8	1.754	2.572	15.4	19.8

163482 2002 RH_{237} 2 16.9 97°.37 0°.6/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.71	+11 41.4	2.236	3.039	12.5	20.2
1 22	10 17.20	+12 17.2	2.163	3.051	9.5	20.0
2 1	10 10.81	+13 2.5	2.114	3.063	5.9	19.8
2 11	10 3.15	+13 52.6	2.093	3.075	2.2	19.6
2 21	9 54.99	+14 42.6	2.102	3.087	1.9	19.6
3 2	9 47.22	+15 27.5	2.141	3.099	5.6	19.9
3 12	9 40.65	+16 3.3	2.207	3.111	9.1	20.1
3 22	9 35.86	+16 28.0	2.298	3.122	12.0	20.3

15627 Hong 2 16.9 211°.33 2°.2/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.29	+16 4.7	2.073	2.885	13.0	18.9
1 22	10 19.49	+16 51.1	1.986	2.881	9.8	18.7
2 1	10 12.47	+17 45.3	1.924	2.876	6.2	18.5
2 11	10 3.84	+18 41.5	1.890	2.870	2.8	18.3
2 21	9 54.49	+19 33.5	1.885	2.865	3.4	18.3
3 2	9 45.44	+20 15.4	1.910	2.858	7.1	18.5
3 12	9 37.72	+20 43.5	1.962	2.852	10.7	18.7
3 22	9 32.05	+20 56.5	2.036	2.845	13.9	18.9

378721 Thizy 2 16.9 188°.17 1°.0/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.35	+ 6 45.9	2.166	2.955	13.3	21.6
1 22	10 17.09	+ 7 12.3	2.077	2.954	10.3	21.4
2 1	10 10.85	+ 7 52.5	2.012	2.954	6.8	21.2
2 11	10 3.21	+ 8 43.1	1.974	2.953	3.0	20.9
2 21	9 54.94	+ 9 39.3	1.966	2.952	1.6	20.8
3 2	9 46.95	+10 35.7	1.987	2.951	5.5	21.1
3 12	9 40.13	+11 26.8	2.037	2.950	9.2	21.3
3 22	9 35.12	+12 9.0	2.110	2.948	12.4	21.5

465991 2011 EG_{1} 2 16.9 158°.71 0°.5/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.32	+ 7 42.1	2.029	2.825	13.8	21.2
1 22	10 17.18	+ 8 20.1	1.944	2.827	10.7	21.0
2 1	10 10.96	+ 9 12.5	1.884	2.829	6.9	20.7
2 11	10 3.26	+10 15.2	1.850	2.831	2.8	20.5
2 21	9 54.90	+11 22.4	1.846	2.832	1.7	20.4
3 2	9 46.87	+12 27.6	1.871	2.834	5.8	20.7
3 12	9 40.09	+13 25.2	1.923	2.835	9.7	20.9
3 22	9 35.24	+14 11.3	2.000	2.836	13.1	21.1

93445 2000 SU_{336} 2 16.9 155°.02 4°.8/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.15	+25 16.2	2.168	2.985	12.3	20.1
1 22	10 21.53	+26 7.7	2.097	2.990	9.5	19.9
2 1	10 13.66	+26 58.6	2.052	2.994	6.6	19.7
2 11	10 4.25	+27 42.0	2.034	2.999	4.9	19.6
2 21	9 54.24	+28 11.9	2.046	3.002	5.8	19.7
3 2	9 44.73	+28 24.3	2.086	3.006	8.5	19.9
3 12	9 36.69	+28 18.2	2.152	3.009	11.4	20.1
3 22	9 30.80	+27 55.1	2.241	3.012	14.0	20.2

89675 2001 YS_{41} 2 16.9 74°.10 2°.2/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.50	+14 43.9	1.398	2.221	17.5	19.6
1 22	10 23.89	+15 26.8	1.349	2.248	13.2	19.4
2 1	10 15.33	+16 19.7	1.322	2.275	8.2	19.2
2 11	10 4.87	+17 14.7	1.321	2.302	3.3	18.9
2 21	9 53.87	+18 3.1	1.347	2.329	3.7	19.0
3 2	9 43.83	+18 38.4	1.400	2.355	8.3	19.4
3 12	9 35.97	+18 57.0	1.478	2.381	12.7	19.7
3 22	9 30.99	+18 58.8	1.578	2.407	16.3	20.0

148511 2001 OK_{67} 2 16.9 90°.76 2°.9/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.12	+ 0 7.6	1.906	2.675	15.6	20.2
1 22	10 17.74	+ 0 41.6	1.836	2.695	12.4	20.0
2 1	10 11.25	+ 1 36.4	1.788	2.715	8.7	19.8
2 11	10 3.34	+ 2 48.7	1.766	2.735	4.8	19.6
2 21	9 54.89	+ 4 12.5	1.772	2.754	3.0	19.5
3 2	9 46.90	+ 5 40.6	1.808	2.774	5.7	19.8
3 12	9 40.30	+ 7 5.2	1.872	2.793	9.4	20.0
3 22	9 35.71	+ 8 20.4	1.961	2.811	12.7	20.3

411190 2010 JF_{66} 2 16.9 142°.72 0°.2/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.88	+ 7 42.2	2.106	2.895	13.7	22.0
1 22	10 18.98	+ 8 32.7	2.028	2.907	10.5	21.8
2 1	10 12.03	+ 9 37.3	1.974	2.919	6.7	21.6
2 11	10 3.65	+10 51.3	1.948	2.929	2.6	21.4
2 21	9 54.68	+12 8.5	1.953	2.939	1.7	21.3
3 2	9 46.09	+13 22.1	1.987	2.948	5.8	21.6
3 12	9 38.78	+14 26.5	2.051	2.957	9.5	21.8
3 22	9 33.40	+15 18.2	2.138	2.965	12.7	22.1

243756 2000 QP_{196} 2 16.9 117°.29 0°.8/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.55	+ 8 13.9	1.769	2.564	15.6	21.0
1 22	10 22.02	+ 8 32.2	1.700	2.581	12.0	20.8
2 1	10 14.05	+ 9 4.6	1.653	2.597	7.8	20.6
2 11	10 4.42	+ 9 46.7	1.633	2.613	3.2	20.4
2 21	9 54.17	+10 32.8	1.641	2.628	1.9	20.3
3 2	9 44.49	+11 17.1	1.679	2.643	6.4	20.6
3 12	9 36.46	+11 54.1	1.744	2.657	10.5	20.9
3 22	9 30.77	+12 20.9	1.833	2.670	14.0	21.1

89656 2001 XH_{257} 2 16.9 229°.73 4°.0/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.72	− 3 4.6	2.200	2.946	14.5	20.2
1 22	10 16.69	− 2 46.4	2.096	2.936	11.9	20.0
2 1	10 10.67	− 2 7.4	2.015	2.927	8.8	19.7
2 11	10 3.18	− 1 8.5	1.959	2.917	5.7	19.5
2 21	9 54.97	+ 0 6.9	1.932	2.906	4.0	19.4
3 2	9 46.93	+ 1 32.9	1.934	2.896	5.8	19.5
3 12	9 39.96	+ 3 2.3	1.965	2.884	9.1	19.7
3 22	9 34.76	+ 4 28.3	2.022	2.873	12.3	19.9

28322 Kaeberich 2 16.9 217°.83 0°.6/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.65	+ 8 1.8	2.017	2.812	14.0	18.8
1 22	10 18.27	+ 8 29.6	1.925	2.807	10.8	18.5
2 1	10 11.72	+ 9 11.3	1.858	2.802	7.0	18.3
2 11	10 3.59	+10 3.2	1.817	2.797	2.9	18.0
2 21	9 54.72	+11 0.0	1.805	2.792	1.7	17.9
3 2	9 46.13	+11 55.7	1.823	2.786	5.9	18.2
3 12	9 38.80	+12 44.8	1.869	2.780	9.9	18.4
3 22	9 33.46	+13 23.4	1.938	2.774	13.4	18.6

207583 2006 QF_{15} 2 16.9 200°.47 2°.2/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.80	+ 2 58.6	2.710	3.472	11.6	21.7
1 22	10 16.30	+ 3 3.1	2.612	3.469	9.2	21.5
2 1	10 10.19	+ 3 19.8	2.539	3.466	6.4	21.3
2 11	10 2.94	+ 3 47.2	2.493	3.462	3.6	21.1
2 21	9 55.18	+ 4 22.6	2.476	3.458	2.3	21.0
3 2	9 47.62	+ 5 2.4	2.491	3.454	4.6	21.2
3 12	9 40.96	+ 5 42.7	2.535	3.449	7.5	21.4
3 22	9 35.74	+ 6 19.8	2.604	3.444	10.3	21.5

237667 2001 SU_{252} 2 16.9 203°.49 6°.0/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.70	+31 56.6	2.588	3.400	10.7	20.4
1 22	10 20.27	+32 55.9	2.516	3.397	8.6	20.2
2 1	10 12.81	+33 50.6	2.471	3.395	6.8	20.1
2 11	10 3.94	+34 34.0	2.453	3.392	6.0	20.1
2 21	9 54.52	+35 1.0	2.464	3.388	7.0	20.1
3 2	9 45.49	+35 8.4	2.502	3.385	8.9	20.2
3 12	9 37.74	+34 55.9	2.566	3.381	11.1	20.4
3 22	9 31.91	+34 25.5	2.651	3.377	13.1	20.5

246186 2007 RN_{58} 2 16.9 96°.57 4°.0/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.57	− 2 31.9	2.282	3.030	13.9	20.8
1 22	10 15.62	− 2 28.7	2.194	3.036	11.4	20.6
2 1	10 9.87	− 2 7.2	2.129	3.041	8.4	20.4
2 11	10 2.85	− 1 28.6	2.090	3.046	5.5	20.3
2 21	9 55.29	− 0 35.8	2.079	3.052	4.0	20.2
3 2	9 48.00	+ 0 26.6	2.097	3.057	5.5	20.3
3 12	9 41.79	+ 1 32.5	2.143	3.062	8.4	20.5
3 22	9 37.25	+ 2 36.4	2.214	3.067	11.3	20.7

90151 2002 YQ_{20} 2 16.9 22°.02 0°.4/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.82	+11 5.1	1.844	2.659	14.3	19.6
1 22	10 16.19	+11 35.2	1.771	2.665	10.8	19.4
2 1	10 10.39	+12 17.2	1.721	2.672	6.9	19.1
2 11	10 3.07	+13 6.1	1.697	2.680	2.5	18.9
2 21	9 55.15	+13 56.1	1.702	2.688	2.0	18.8
3 2	9 47.66	+14 41.3	1.735	2.696	6.3	19.1
3 12	9 41.57	+15 16.7	1.794	2.706	10.3	19.4
3 22	9 37.52	+15 39.9	1.876	2.715	13.7	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
133111 2003 OW_{20}			2 16.9	246°.93	1°.9/15.4	18
	h m	° ′			°	m
1 12	10 25.63	+14 13.3	1.836	2.648	14.4	20.6
1 22	10 20.95	+15 1.3	1.738	2.632	11.0	20.4
2 1	10 13.68	+16 0.8	1.664	2.616	7.0	20.1
2 11	10 4.43	+17 6.0	1.617	2.599	2.9	19.8
2 21	9 54.15	+18 9.2	1.599	2.581	3.3	19.8
3 2	9 44.07	+19 3.2	1.610	2.562	7.7	20.0
3 12	9 35.42	+19 42.5	1.647	2.543	12.0	20.2
3 22	9 29.10	+20 4.8	1.707	2.524	15.8	20.4
492832 2014 QQ_{304}			2 16.9	216°.52	3°.4/13.9	17
1 12	10 27.30	+19 4.7	2.080	2.892	13.0	22.2
1 22	10 21.90	+20 3.5	1.989	2.883	9.9	21.9
2 1	10 14.11	+21 8.5	1.923	2.873	6.4	21.7
2 11	10 4.54	+22 13.0	1.886	2.862	3.6	21.5
2 21	9 54.11	+23 9.7	1.878	2.850	4.5	21.5
3 2	9 43.95	+23 52.4	1.900	2.837	8.0	21.7
3 12	9 35.17	+24 17.8	1.948	2.824	11.5	21.9
3 22	9 28.56	+24 25.2	2.020	2.809	14.7	22.1
121035 1999 CP_{3}			2 16.9	324°.24	15°.1/10.9	18
1 12	10 48.16	+43 52.6	1.216	2.026	20.5	17.7
1 22	10 40.47	+44 41.3	1.144	2.005	18.1	17.4
2 1	10 27.17	+45 7.3	1.089	1.985	16.0	17.2
2 11	10 9.66	+44 51.4	1.055	1.966	15.1	17.1
2 21	9 50.66	+43 40.1	1.044	1.948	16.1	17.1
3 2	9 33.40	+41 31.9	1.054	1.931	18.6	17.2
3 12	9 20.41	+38 37.9	1.085	1.915	21.9	17.3
3 22	9 12.71	+35 15.4	1.134	1.900	25.1	17.5
128948 2004 TO_{131}			2 16.9	176°.49	5°.9/10.8	18
1 12	10 25.95	+29 2.5	2.362	3.179	11.5	20.2
1 22	10 20.61	+30 15.7	2.293	3.181	9.0	20.0
2 1	10 13.11	+31 26.5	2.250	3.182	6.8	19.9
2 11	10 4.10	+32 27.3	2.235	3.183	5.9	19.8
2 21	9 54.46	+33 11.9	2.249	3.184	6.9	19.9
3 2	9 45.23	+33 36.1	2.290	3.184	9.1	20.0
3 12	9 37.36	+33 39.2	2.357	3.183	11.6	20.2
3 22	9 31.52	+33 22.8	2.446	3.183	13.8	20.3
194443 2001 VN_{110}			2 16.9	122°.78	3°.0/19.0	18
1 12	10 26.90	+ 3 15.9	1.661	2.443	17.0	20.2
1 22	10 21.75	+ 3 12.0	1.586	2.455	13.5	20.0
2 1	10 14.03	+ 3 26.6	1.532	2.466	9.3	19.8
2 11	10 4.49	+ 3 57.6	1.504	2.476	5.0	19.6
2 21	9 54.20	+ 4 40.4	1.503	2.486	3.2	19.5
3 2	9 44.44	+ 5 29.0	1.531	2.496	6.6	19.7
3 12	9 36.35	+ 6 16.6	1.586	2.506	10.8	20.0
3 22	9 30.71	+ 6 57.9	1.664	2.514	14.6	20.2
340640 2006 QS_{158}			2 16.9	139°.56	0°.5/16.5	17
1 12	10 23.55	+13 7.5	2.695	3.488	10.9	21.2
1 22	10 18.30	+13 19.0	2.613	3.496	8.2	21.1
2 1	10 11.40	+13 36.5	2.557	3.504	5.2	20.9
2 11	10 3.40	+13 56.9	2.530	3.512	1.9	20.7
2 21	9 54.97	+14 16.8	2.534	3.519	1.6	20.7
3 2	9 46.87	+14 33.1	2.568	3.526	4.9	20.9
3 12	9 39.79	+14 43.3	2.632	3.532	7.9	21.1
3 22	9 34.27	+14 46.1	2.721	3.538	10.5	21.3
455158 1998 KP_{43}			2 16.9	210°.56	4°.0/13.6	18
1 12	10 27.59	+18 59.3	1.840	2.659	14.2	21.7
1 22	10 22.43	+20 15.7	1.755	2.652	10.8	21.4
2 1	10 14.60	+21 40.4	1.694	2.644	7.0	21.2
2 11	10 4.77	+23 4.9	1.661	2.636	4.2	21.0
2 21	9 53.97	+24 19.8	1.657	2.626	5.3	21.0
3 2	9 43.48	+25 17.7	1.681	2.616	9.0	21.2
3 12	9 34.55	+25 54.2	1.732	2.605	12.8	21.4
3 22	9 28.07	+26 9.0	1.804	2.593	16.2	21.6
1132 Hollandia			2 16.9	219°.39	2°.8/14.2	18
1 12	10 25.17	+19 29.4	2.545	3.352	11.0	16.4
1 22	10 19.85	+20 14.1	2.450	3.341	8.4	16.2
2 1	10 12.58	+21 2.8	2.382	3.330	5.4	16.0
2 11	10 3.91	+21 50.3	2.343	3.319	3.0	15.9
2 21	9 54.59	+22 31.4	2.334	3.306	3.7	15.9
3 2	9 45.50	+23 1.9	2.355	3.293	6.6	16.0
3 12	9 37.49	+23 18.9	2.405	3.279	9.6	16.2
3 22	9 31.23	+23 22.1	2.479	3.265	12.4	16.4
383686 2007 TR_{271}			2 16.9	93°.89	1°.1/18.0	18
1 12	10 21.73	+ 6 29.8	2.447	3.228	12.2	21.5
1 22	10 17.01	+ 6 49.3	2.376	3.248	9.4	21.4
2 1	10 10.61	+ 7 20.3	2.329	3.268	6.2	21.2
2 11	10 3.10	+ 7 59.6	2.310	3.287	2.8	21.0
2 21	9 55.20	+ 8 43.4	2.321	3.307	1.5	20.9
3 2	9 47.66	+ 9 27.3	2.362	3.326	4.7	21.2
3 12	9 41.23	+10 7.4	2.433	3.345	7.9	21.4
3 22	9 36.40	+10 40.6	2.528	3.363	10.7	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
165533 2001 CB_{47}			2 16.9	69°.82	0°.1/16.9	18
	h m	° ′			°	m
1 12	10 27.24	+10 17.9	1.472	2.286	17.3	20.2
1 22	10 22.11	+10 40.2	1.416	2.309	13.2	20.0
2 1	10 14.23	+11 16.5	1.382	2.332	8.4	19.8
2 11	10 4.53	+12 1.2	1.373	2.355	3.1	19.6
2 21	9 54.25	+12 47.2	1.392	2.378	2.2	19.5
3 2	9 44.76	+13 27.7	1.438	2.401	7.2	19.9
3 12	9 37.24	+13 57.6	1.510	2.424	11.7	20.2
3 22	9 32.38	+14 14.7	1.604	2.447	15.4	20.5
172043 2001 XJ_{9}			2 16.9	123°.98	5°.0/10.9	18
1 12	10 24.90	+30 16.3	2.991	3.799	9.5	20.6
1 22	10 19.27	+31 15.8	2.936	3.817	7.5	20.5
2 1	10 11.98	+32 11.4	2.907	3.834	5.7	20.4
2 11	10 3.61	+32 57.6	2.908	3.851	5.0	20.4
2 21	9 54.86	+33 30.2	2.938	3.868	5.7	20.4
3 2	9 46.52	+33 46.7	2.997	3.884	7.5	20.6
3 12	9 39.29	+33 46.6	3.083	3.899	9.4	20.7
3 22	9 33.68	+33 31.2	3.191	3.914	11.1	20.9
113985 2002 UA_{26}			2 16.9	9°.83	4°.3/20.7	18
1 12	10 19.23	− 1 33.4	1.998	2.761	15.2	19.8
1 22	10 15.65	− 1 39.9	1.911	2.762	12.4	19.7
2 1	10 10.03	− 1 27.1	1.846	2.763	9.1	19.4
2 11	10 2.97	− 0 55.7	1.805	2.765	5.9	19.3
2 21	9 55.26	− 0 8.8	1.792	2.767	4.3	19.2
3 2	9 47.85	+ 0 48.8	1.807	2.769	6.1	19.3
3 12	9 41.65	+ 1 50.4	1.849	2.772	9.3	19.5
3 22	9 37.33	+ 2 50.0	1.915	2.775	12.6	19.7
217996 2001 XD_{14}			2 16.9	113°.88	6°.3/10.8	18
1 12	10 28.97	+30 2.8	2.240	3.054	12.1	20.6
1 22	10 22.83	+31 20.8	2.191	3.075	9.5	20.5
2 1	10 14.45	+32 34.2	2.168	3.096	7.3	20.4
2 11	10 4.58	+33 34.8	2.173	3.117	6.3	20.3
2 21	9 54.23	+34 16.5	2.207	3.137	7.3	20.4
3 2	9 44.50	+34 35.9	2.268	3.156	9.4	20.6
3 12	9 36.35	+34 33.2	2.355	3.175	11.8	20.8
3 22	9 30.41	+34 11.0	2.463	3.193	13.9	21.0
197612 2004 JM_{20}			2 16.9	241°.87	5°.1/13.0	18
1 12	10 27.30	+21 9.8	1.599	2.429	15.4	20.9
1 22	10 22.64	+22 24.7	1.516	2.418	11.8	20.6
2 1	10 14.96	+23 46.8	1.457	2.407	7.9	20.4
2 11	10 4.97	+25 6.2	1.423	2.395	5.2	20.2
2 21	9 53.86	+26 12.6	1.417	2.383	6.6	20.2
3 2	9 43.12	+26 57.6	1.438	2.371	10.4	20.4
3 12	9 34.19	+27 17.6	1.483	2.358	14.5	20.6
3 22	9 28.08	+27 13.2	1.548	2.344	18.1	20.8
133997 2004 VV_{6}			2 16.9	99°.42	0°.2/17.0	18
1 12	10 26.99	+ 8 45.2	1.671	2.472	16.1	20.8
1 22	10 21.69	+ 9 22.8	1.610	2.495	12.3	20.6
2 1	10 13.89	+10 15.3	1.570	2.517	7.8	20.3
2 11	10 4.41	+11 17.1	1.557	2.539	3.0	20.1
2 21	9 54.35	+12 21.0	1.573	2.560	2.0	20.1
3 2	9 44.93	+13 19.8	1.618	2.580	6.7	20.4
3 12	9 37.25	+14 7.9	1.690	2.600	10.9	20.7
3 22	9 31.99	+14 42.3	1.784	2.619	14.4	21.0
172523 2003 SO_{291}			2 16.9	153°.61	1°.0/16.0	18
1 12	10 26.33	+12 42.5	2.076	2.877	13.4	21.7
1 22	10 20.91	+13 22.6	1.999	2.886	10.2	21.5
2 1	10 13.31	+14 12.3	1.945	2.894	6.4	21.2
2 11	10 4.20	+15 6.5	1.920	2.902	2.4	21.0
2 21	9 54.47	+15 59.3	1.925	2.909	2.4	21.0
3 2	9 45.15	+16 45.0	1.960	2.915	6.3	21.3
3 12	9 37.21	+17 19.6	2.023	2.921	10.0	21.5
3 22	9 31.32	+17 41.3	2.110	2.926	13.2	21.7
215452 2002 OQ_{20}			2 16.9	232°.51	2°.0/18.6	16
1 12	10 23.92	+ 4 26.2	1.977	2.758	14.7	21.5
1 22	10 19.37	+ 4 38.9	1.877	2.747	11.6	21.3
2 1	10 12.53	+ 5 7.9	1.800	2.736	7.9	21.0
2 11	10 3.98	+ 5 51.1	1.750	2.725	4.0	20.8
2 21	9 54.58	+ 6 44.0	1.728	2.713	2.3	20.6
3 2	9 45.38	+ 7 40.9	1.736	2.701	6.0	20.8
3 12	9 37.44	+ 8 35.6	1.771	2.688	10.1	21.0
3 22	9 31.54	+ 9 23.1	1.830	2.674	13.8	21.2
158184 2001 RP_{40}			2 16.9	84°.86	4°.1/14.1	18
1 12	10 28.49	+18 16.2	1.434	2.264	16.8	20.0
1 22	10 23.27	+19 27.7	1.383	2.286	12.6	19.7
2 1	10 15.08	+20 46.5	1.354	2.307	8.1	19.5
2 11	10 4.89	+22 2.5	1.352	2.329	4.4	19.4
2 21	9 54.06	+23 5.7	1.376	2.350	5.5	19.5
3 2	9 44.08	+23 48.9	1.428	2.371	9.5	19.8
3 12	9 36.25	+24 9.5	1.504	2.391	13.5	20.1
3 22	9 31.28	+24 8.7	1.600	2.411	17.0	20.3

171470 1275 $T\text{-}_2$ 2 16.9 100°.14 1°.2/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.18	+14 36.1	2.669	3.467	10.8	21.6
1 22	10 17.96	+15 10.0	2.605	3.492	8.1	21.5
2 1	10 11.15	+15 49.4	2.567	3.516	5.0	21.3
2 11	10 3.31	+16 30.2	2.558	3.539	2.0	21.1
2 21	9 55.13	+17 8.2	2.580	3.562	2.1	21.2
3 2	9 47.35	+17 39.9	2.633	3.585	5.1	21.4
3 12	9 40.65	+18 2.7	2.715	3.607	8.0	21.6
3 22	9 35.50	+18 15.5	2.821	3.629	10.5	21.8

50542 2000 EZ_{16} 2 16.9 212°.02 2°.4/14.8 18

1 12	10 24.59	+18 44.6	2.375	3.185	11.6	18.9
1 22	10 19.44	+19 12.3	2.289	3.181	8.8	18.7
2 1	10 12.32	+19 43.7	2.228	3.178	5.6	18.5
2 11	10 3.83	+20 14.0	2.196	3.174	2.8	18.3
2 21	9 54.74	+20 38.6	2.194	3.170	3.3	18.3
3 2	9 45.99	+20 53.7	2.221	3.166	6.5	18.5
3 12	9 38.44	+20 56.9	2.276	3.162	9.6	18.7
3 22	9 32.71	+20 48.0	2.355	3.157	12.5	18.9

120034 2003 AK_{71} 2 16.9 243°.21 1°.6/18.3 17

1 12	10 23.36	+ 5 40.3	2.179	2.960	13.5	20.8
1 22	10 18.77	+ 5 53.8	2.074	2.945	10.6	20.6
2 1	10 12.07	+ 6 21.3	1.992	2.930	7.2	20.4
2 11	10 3.80	+ 7 0.6	1.938	2.914	3.4	20.1
2 21	9 54.72	+ 7 47.6	1.913	2.898	2.0	20.0
3 2	9 45.80	+ 8 37.3	1.918	2.882	5.6	20.2
3 12	9 38.00	+ 9 24.4	1.951	2.865	9.5	20.4
3 22	9 32.06	+10 4.6	2.008	2.847	12.9	20.5

41613 2000 SP_{144} 2 16.9 165°.39 0°.8/16.1 18

1 12	10 21.44	+13 32.0	2.843	3.639	10.3	19.7
1 22	10 16.70	+13 56.8	2.757	3.642	7.8	19.6
2 1	10 10.41	+14 27.6	2.697	3.646	4.9	19.4
2 11	10 3.06	+15 1.2	2.667	3.648	1.8	19.2
2 21	9 55.28	+15 33.8	2.667	3.651	1.8	19.2
3 2	9 47.76	+16 2.1	2.698	3.653	4.8	19.4
3 12	9 41.16	+16 23.4	2.758	3.655	7.7	19.6
3 22	9 36.00	+16 36.0	2.843	3.657	10.2	19.7

34938 9562 $P\text{–}L$ 2 16.9 148°.61 1°.5/15.2 18

1 12	10 20.95	+15 35.5	2.869	3.671	10.1	20.3
1 22	10 16.32	+16 15.5	2.789	3.678	7.5	20.1
2 1	10 10.16	+17 0.8	2.736	3.686	4.7	19.9
2 11	10 2.96	+17 47.3	2.712	3.693	2.0	19.7
2 21	9 55.35	+18 30.9	2.719	3.699	2.4	19.8
3 2	9 48.01	+19 7.8	2.757	3.705	5.1	20.0
3 12	9 41.60	+19 35.5	2.823	3.711	7.9	20.2
3 22	9 36.61	+19 52.6	2.915	3.717	10.3	20.3

237975 2002 RM_{227} 2 16.9 127°.57 0°.8/16.2 18

1 12	10 23.51	+13 16.9	2.528	3.325	11.4	21.6
1 22	10 18.38	+13 40.7	2.452	3.337	8.6	21.5
2 1	10 11.51	+14 11.2	2.401	3.349	5.4	21.3
2 11	10 3.48	+14 44.7	2.379	3.361	2.0	21.1
2 21	9 55.02	+15 17.1	2.387	3.372	1.9	21.1
3 2	9 46.91	+15 44.6	2.426	3.383	5.2	21.3
3 12	9 39.91	+16 4.4	2.494	3.393	8.3	21.5
3 22	9 34.55	+16 15.0	2.587	3.403	11.1	21.7

19868 4072 $P\text{–}L$ 2 16.9 277°.44 1°.8/18.2 18

1 12	10 24.28	+ 5 52.1	1.672	2.469	16.3	18.7
1 22	10 20.23	+ 6 0.3	1.565	2.445	12.9	18.4
2 1	10 13.43	+ 6 26.4	1.479	2.421	8.8	18.1
2 11	10 4.45	+ 7 8.0	1.418	2.396	4.2	17.7
2 21	9 54.23	+ 8 0.6	1.385	2.371	2.4	17.5
3 2	9 44.08	+ 8 57.4	1.380	2.346	7.1	17.8
3 12	9 35.34	+ 9 50.9	1.400	2.320	12.0	18.0
3 22	9 29.05	+10 35.5	1.444	2.294	16.4	18.2

304369 2006 SZ_{363} 2 16.9 183°.60 0°.5/17.5 17

1 12	10 19.55	+ 7 47.6	2.803	3.586	10.8	21.8
1 22	10 15.33	+ 8 19.5	2.711	3.586	8.3	21.6
2 1	10 9.58	+ 9 1.7	2.644	3.586	5.4	21.4
2 11	10 2.77	+ 9 51.2	2.605	3.585	2.2	21.2
2 21	9 55.49	+10 44.2	2.598	3.584	1.3	21.1
3 2	9 48.42	+11 36.4	2.621	3.583	4.5	21.4
3 12	9 42.22	+12 23.9	2.674	3.582	7.5	21.5
3 22	9 37.40	+13 3.9	2.752	3.580	10.1	21.7

458847 2011 UC_{67} 2 16.9 108°.41 1°.6/15.7 18

1 12	10 27.24	+13 11.4	1.742	2.552	15.2	21.8
1 22	10 21.86	+14 2.0	1.679	2.572	11.4	21.6
2 1	10 14.01	+15 3.3	1.640	2.591	7.1	21.4
2 11	10 4.48	+16 8.6	1.628	2.610	2.7	21.1
2 21	9 54.37	+17 10.3	1.645	2.628	3.0	21.2
3 2	9 44.87	+18 1.7	1.691	2.646	7.2	21.5
3 12	9 37.07	+18 38.5	1.764	2.663	11.2	21.8
3 22	9 31.65	+18 59.4	1.860	2.680	14.6	22.0

152736 1998 WX_{21} 2 16.9 123°.32 2°.4/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 28.09	+15 21.9	1.591	2.410	16.0	20.5
1 22	10 22.84	+16 10.4	1.524	2.422	12.1	20.3
2 1	10 14.80	+17 8.7	1.480	2.433	7.6	20.0
2 11	10 4.83	+18 9.3	1.463	2.444	3.2	19.8
2 21	9 54.11	+19 3.9	1.473	2.454	3.8	19.8
3 2	9 44.03	+19 45.6	1.512	2.464	8.2	20.1
3 12	9 35.81	+20 10.4	1.576	2.473	12.4	20.4
3 22	9 30.24	+20 17.7	1.662	2.482	16.0	20.6

506398 2017 SV_1 2 16.9 257°.50 6°.5/23.9 17

1 12	10 21.81	−12 41.2	2.440	3.117	14.9	23.0
1 22	10 17.54	−12 26.7	2.312	3.092	12.9	22.8
2 1	10 11.30	−11 46.9	2.204	3.065	10.5	22.6
2 11	10 3.54	−10 40.1	2.120	3.038	8.2	22.4
2 21	9 54.93	− 9 7.5	2.065	3.011	6.6	22.3
3 2	9 46.32	− 7 13.6	2.039	2.982	7.1	22.2
3 12	9 38.63	− 5 6.0	2.043	2.953	9.3	22.3
3 22	9 32.59	− 2 53.8	2.075	2.922	12.2	22.4

375335 2008 SN 2 16.9 132°.66 1°.8/18.4 18

1 12	10 25.48	+ 6 11.8	2.234	3.011	13.4	21.3
1 22	10 20.09	+ 6 1.9	2.151	3.019	10.4	21.1
2 1	10 12.72	+ 6 3.4	2.091	3.027	7.0	20.9
2 11	10 3.99	+ 6 14.4	2.060	3.035	3.5	20.7
2 21	9 54.71	+ 6 32.0	2.057	3.042	2.1	20.6
3 2	9 45.79	+ 6 52.4	2.086	3.049	5.3	20.9
3 12	9 38.11	+ 7 12.0	2.142	3.056	8.8	21.1
3 22	9 32.29	+ 7 27.7	2.224	3.062	11.8	21.3

48012 2001 BV_{77} 2 16.9 290°.30 1°.7/18.3 18

1 12	10 20.47	+ 4 15.0	1.623	2.423	16.6	19.1
1 22	10 17.25	+ 4 49.2	1.527	2.409	13.1	18.8
2 1	10 11.45	+ 5 45.5	1.453	2.395	8.9	18.5
2 11	10 3.67	+ 7 0.8	1.403	2.381	4.2	18.2
2 21	9 54.86	+ 8 28.6	1.381	2.367	2.2	18.0
3 2	9 46.25	+ 9 59.7	1.386	2.353	6.9	18.3
3 12	9 39.09	+11 25.0	1.417	2.339	11.7	18.5
3 22	9 34.30	+12 37.3	1.471	2.326	15.9	18.7

168345 1995 SR_{30} 2 16.9 304°.28 0°.8/16.4 18

1 12	10 23.45	+11 58.6	1.483	2.307	16.7	20.3
1 22	10 19.78	+12 22.2	1.393	2.293	12.9	20.0
2 1	10 13.19	+12 59.9	1.325	2.279	8.2	19.7
2 11	10 4.35	+13 46.7	1.282	2.265	3.1	19.3
2 21	9 54.39	+14 35.2	1.266	2.251	2.7	19.3
3 2	9 44.74	+15 17.8	1.276	2.238	8.0	19.5
3 12	9 36.81	+15 48.2	1.310	2.225	13.0	19.8
3 22	9 31.59	+16 3.4	1.366	2.213	17.4	20.0

187863 2000 LW_{25} 2 16.9 216°.10 11°.2/29.3 18

1 12	10 25.09	−28 8.3	2.844	3.375	15.4	20.5
1 22	10 19.90	−29 20.2	2.737	3.365	14.3	20.3
2 1	10 12.74	−30 9.6	2.646	3.354	13.2	20.2
2 11	10 4.08	−30 32.2	2.575	3.342	12.1	20.1
2 21	9 54.59	−30 25.3	2.525	3.330	11.4	20.0
3 2	9 45.14	−29 48.9	2.499	3.317	11.2	20.0
3 12	9 36.62	−28 46.3	2.496	3.303	11.6	20.0
3 22	9 29.74	−27 23.8	2.516	3.288	12.6	20.0

445097 2008 TU_{181} 2 16.9 72°.85 0°.9/17.6 18

1 12	10 24.28	+ 7 14.5	1.409	2.222	18.0	21.5
1 22	10 20.24	+ 7 40.5	1.338	2.229	13.9	21.3
2 1	10 13.32	+ 8 25.9	1.288	2.236	9.1	21.0
2 11	10 4.33	+ 9 25.7	1.262	2.243	3.8	20.7
2 21	9 54.47	+10 32.4	1.263	2.250	2.1	20.6
3 2	9 45.17	+11 37.1	1.291	2.257	7.4	21.0
3 12	9 37.76	+12 32.1	1.343	2.264	12.3	21.3
3 22	9 33.07	+13 12.9	1.418	2.271	16.5	21.5

240525 2004 FF_{125} 2 16.9 345°.24 7°.8/26.2 18

1 12	10 17.16	−16 1.0	2.212	2.884	16.3	20.6
1 22	10 14.03	−15 52.8	2.113	2.881	14.3	20.4
2 1	10 9.01	−15 16.2	2.033	2.878	12.0	20.3
2 11	10 2.64	−14 9.7	1.975	2.876	9.7	20.1
2 21	9 55.64	−12 35.0	1.942	2.874	8.0	20.0
3 2	9 48.87	−10 37.3	1.937	2.872	8.0	20.0
3 12	9 43.18	− 8 25.1	1.960	2.871	9.6	20.1
3 22	9 39.22	− 6 8.2	2.010	2.869	12.0	20.2

93898 2000 WO_{143} 2 16.9 88°.08 0°.4/16.6 18

1 12	10 26.68	+12 18.4	2.029	2.829	13.7	19.6
1 22	10 21.06	+12 30.5	1.964	2.850	10.4	19.4
2 1	10 13.33	+12 51.1	1.922	2.870	6.6	19.2
2 11	10 4.21	+13 15.9	1.909	2.890	2.4	19.0
2 21	9 54.63	+13 40.6	1.924	2.910	1.9	19.0
3 2	9 45.61	+14 0.9	1.970	2.930	5.9	19.3
3 12	9 38.04	+14 13.6	2.043	2.949	9.5	19.5
3 22	9 32.55	+14 17.3	2.141	2.968	12.7	19.8

460710 2014 UY_{220} 2 16.9 73°.50 5°.4/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 32.77	+25 53.1	1.699	2.520	15.0	21.0
1 22	10 26.14	+26 24.9	1.644	2.538	11.6	20.8
2 1	10 16.72	+26 53.8	1.612	2.556	8.0	20.6
2 11	10 5.50	+27 12.1	1.607	2.574	5.6	20.5
2 21	9 53.79	+27 13.5	1.630	2.592	6.4	20.6
3 2	9 43.00	+26 55.3	1.681	2.610	9.5	20.8
3 12	9 34.29	+26 18.4	1.757	2.628	12.8	21.1
3 22	9 28.35	+25 26.0	1.855	2.646	15.7	21.3

405947 2006 RO_{86} 2 16.9 68°.82 2°.0/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.85	+15 34.3	1.585	2.403	16.1	21.6
1 22	10 23.14	+16 6.4	1.534	2.431	12.0	21.4
2 1	10 14.80	+16 46.3	1.507	2.459	7.5	21.2
2 11	10 4.78	+17 27.1	1.505	2.487	3.1	21.0
2 21	9 54.29	+18 2.1	1.532	2.514	3.4	21.1
3 2	9 44.65	+18 25.8	1.587	2.542	7.6	21.4
3 12	9 36.95	+18 35.6	1.668	2.569	11.6	21.7
3 22	9 31.85	+18 31.2	1.771	2.595	15.0	21.9

420746 2012 TF_{315} 2 16.9 103°.68 6°.4/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.43	+33 0.7	2.636	3.449	10.5	20.6
1 22	10 19.26	+34 24.3	2.588	3.467	8.5	20.4
2 1	10 12.16	+35 42.2	2.567	3.485	6.9	20.4
2 11	10 3.78	+36 47.3	2.574	3.502	6.4	20.4
2 21	9 54.93	+37 34.4	2.609	3.519	7.3	20.4
3 2	9 46.52	+38 0.5	2.672	3.536	9.1	20.6
3 12	9 39.39	+38 5.4	2.759	3.552	11.0	20.7
3 22	9 34.11	+37 51.3	2.867	3.568	12.7	20.9

83110 2001 QY_{240} 2 16.9 253°.17 0°.3/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.06	+ 9 17.1	2.417	3.209	12.0	20.2
1 22	10 16.79	+ 9 38.3	2.318	3.199	9.2	20.0
2 1	10 10.69	+10 10.0	2.244	3.189	6.0	19.7
2 11	10 3.28	+10 49.0	2.198	3.178	2.4	19.5
2 21	9 55.23	+11 31.4	2.181	3.167	1.5	19.4
3 2	9 47.38	+12 12.7	2.194	3.156	5.2	19.6
3 12	9 40.55	+12 48.6	2.236	3.145	8.7	19.8
3 22	9 35.35	+13 16.3	2.303	3.134	11.7	20.0

55015 2001 QQ_{31} 2 16.9 111°.17 1°.7/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.24	+13 45.4	2.040	2.848	13.4	18.9
1 22	10 19.33	+14 43.8	1.973	2.866	10.0	18.7
2 1	10 12.31	+15 51.5	1.932	2.883	6.2	18.5
2 11	10 3.86	+17 2.2	1.918	2.899	2.5	18.3
2 21	9 54.87	+18 9.1	1.934	2.916	2.9	18.4
3 2	9 46.36	+19 6.2	1.980	2.931	6.6	18.6
3 12	9 39.23	+19 49.4	2.053	2.947	10.1	18.9
3 22	9 34.10	+20 17.2	2.150	2.961	13.2	19.1

290248 2005 SJ_{102} 2 16.9 101°.01 0°.7/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.59	+12 12.9	1.572	2.379	16.7	21.1
1 22	10 25.29	+12 36.0	1.514	2.403	12.7	20.9
2 1	10 16.23	+13 10.4	1.478	2.427	8.0	20.6
2 11	10 5.36	+13 50.1	1.469	2.451	2.9	20.4
2 21	9 53.91	+14 28.4	1.488	2.473	2.4	20.4
3 2	9 43.28	+14 59.3	1.536	2.495	7.3	20.7
3 12	9 34.65	+15 18.9	1.610	2.516	11.6	21.0
3 22	9 28.72	+15 25.9	1.707	2.537	15.2	21.3

96750 1999 RK_{8} 2 16.9 68°.67 1°.2/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.24	+14 17.3	1.532	2.351	16.5	18.8
1 22	10 23.04	+14 27.5	1.463	2.359	12.5	18.5
2 1	10 14.99	+14 46.9	1.415	2.367	7.9	18.3
2 11	10 4.96	+15 10.0	1.393	2.375	3.0	18.0
2 21	9 54.16	+15 30.8	1.398	2.383	2.8	18.0
3 2	9 44.02	+15 44.0	1.431	2.391	7.6	18.3
3 12	9 35.81	+15 46.1	1.490	2.400	12.1	18.6
3 22	9 30.30	+15 36.2	1.570	2.408	16.0	18.9

500366 2012 TM_{37} 2 16.9 131°.21 5°.5/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.96	−12 14.5	2.742	3.420	13.4	21.8
1 22	10 14.92	−11 53.0	2.649	3.429	11.4	21.7
2 1	10 9.35	−11 9.8	2.577	3.439	9.2	21.6
2 11	10 2.73	−10 5.3	2.530	3.448	7.0	21.4
2 21	9 55.67	− 8 41.9	2.511	3.456	5.7	21.3
3 2	9 48.85	− 7 4.2	2.523	3.465	6.0	21.4
3 12	9 42.94	− 5 18.6	2.564	3.473	7.7	21.5
3 22	9 38.44	− 3 32.0	2.632	3.481	9.9	21.7

81962 2000 QB_{32} 2 16.9 222°.96 0°.9/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.25	+11 23.5	2.686	3.483	10.8	19.9
1 22	10 15.27	+12 25.1	2.590	3.477	8.2	19.7
2 1	10 9.66	+13 36.9	2.520	3.469	5.1	19.5
2 11	10 2.88	+14 54.5	2.480	3.462	1.9	19.3
2 21	9 55.55	+16 12.6	2.471	3.454	2.0	19.3
3 2	9 48.37	+17 25.6	2.492	3.446	5.3	19.5
3 12	9 42.08	+18 29.1	2.543	3.438	8.4	19.7
3 22	9 37.24	+19 20.3	2.619	3.429	11.1	19.9

357187 2002 EO_{112} 2 16.9 301°.91 0°.3/16.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.01	+ 9 59.0	1.440	2.264	17.1	21.4
1 22	10 18.82	+10 31.2	1.348	2.246	13.3	21.1
2 1	10 12.68	+11 21.6	1.276	2.228	8.6	20.8
2 11	10 4.23	+12 25.1	1.229	2.211	3.3	20.4
2 21	9 54.56	+13 33.8	1.208	2.194	2.5	20.3
3 2	9 45.12	+14 38.6	1.213	2.177	8.1	20.6
3 12	9 37.37	+15 31.3	1.243	2.161	13.3	20.8
3 22	9 32.35	+16 7.3	1.293	2.145	17.9	21.0

166914 2003 CE_{4} 2 16.9 70°.13 4°.9/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.66	− 2 57.7	2.186	2.927	14.7	19.7
1 22	10 18.69	− 3 28.2	2.115	2.948	12.0	19.5
2 1	10 11.82	− 3 41.3	2.065	2.969	9.1	19.3
2 11	10 3.68	− 3 37.1	2.041	2.990	6.3	19.2
2 21	9 55.06	− 3 17.5	2.045	3.011	4.9	19.2
3 2	9 46.86	− 2 46.1	2.078	3.032	6.1	19.3
3 12	9 39.90	− 2 7.9	2.138	3.053	8.7	19.5
3 22	9 34.76	− 1 28.0	2.224	3.073	11.4	19.7

451227 2010 CG_{115} 2 16.9 29°.14 1°.5/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.40	+11 42.0	1.139	1.980	19.5	21.1
1 22	10 19.39	+12 31.4	1.078	1.987	14.8	20.9
2 1	10 13.05	+13 39.5	1.038	1.995	9.3	20.6
2 11	10 4.32	+14 57.5	1.020	2.003	3.5	20.3
2 21	9 54.62	+16 14.1	1.027	2.012	3.5	20.3
3 2	9 45.66	+17 18.7	1.059	2.021	9.2	20.7
3 12	9 38.96	+18 3.6	1.113	2.032	14.5	21.0
3 22	9 35.41	+18 26.6	1.187	2.043	18.9	21.3

369363 2009 UC_{27} 2 16.9 134°.59 3°.3/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.16	− 0 41.3	2.293	3.045	13.8	21.7
1 22	10 17.57	− 0 30.5	2.209	3.056	11.1	21.5
2 1	10 11.15	− 0 2.6	2.148	3.066	8.0	21.4
2 11	10 3.45	+ 0 40.9	2.113	3.076	4.9	21.2
2 21	9 55.22	+ 1 36.5	2.108	3.086	3.3	21.1
3 2	9 47.31	+ 2 39.1	2.133	3.095	5.3	21.2
3 12	9 40.52	+ 3 43.0	2.186	3.104	8.4	21.4
3 22	9 35.43	+ 4 43.0	2.265	3.112	11.3	21.6

15745 Yuliya 2 16.9 257°.03 3°.5/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.23	+10 39.3	1.157	1.988	20.0	20.1
1 22	10 23.96	+12 37.7	1.060	1.964	15.4	19.7
2 1	10 16.77	+15 11.5	0.983	1.939	9.9	19.3
2 11	10 6.09	+18 10.4	0.931	1.913	4.3	18.9
2 21	9 53.16	+21 15.5	0.906	1.885	6.0	18.9
3 2	9 39.98	+24 4.2	0.907	1.856	12.6	19.2
3 12	9 28.82	+26 19.3	0.931	1.826	19.1	19.4
3 22	9 21.39	+27 53.7	0.973	1.795	24.6	19.7

239448 2007 TD_{190} 2 16.9 88°.51 0°.2/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.66	+ 9 34.6	2.191	2.988	12.9	21.0
1 22	10 17.30	+ 9 58.8	2.113	2.996	9.9	20.8
2 1	10 11.01	+10 33.8	2.058	3.004	6.3	20.6
2 11	10 3.40	+11 16.0	2.031	3.012	2.5	20.4
2 21	9 55.27	+12 0.6	2.034	3.021	1.6	20.3
3 2	9 47.49	+12 42.8	2.066	3.029	5.4	20.6
3 12	9 40.90	+13 18.3	2.126	3.036	9.0	20.9
3 22	9 36.11	+13 44.5	2.211	3.044	12.1	21.1

61332 2000 OL_{59} 2 16.9 200°.44 0°.1/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.49	+ 9 31.1	2.052	2.844	13.9	20.8
1 22	10 21.24	+10 1.1	1.959	2.840	10.7	20.6
2 1	10 13.70	+10 43.6	1.889	2.835	6.9	20.4
2 11	10 4.49	+11 34.7	1.848	2.829	2.7	20.1
2 21	9 54.49	+12 28.7	1.836	2.822	1.8	20.0
3 2	9 44.77	+13 19.9	1.854	2.815	6.1	20.3
3 12	9 36.35	+14 3.0	1.901	2.807	10.1	20.5
3 22	9 29.99	+14 35.0	1.971	2.798	13.6	20.7

351568 2005 UN_{180} 2 16.9 177°.66 3°.9/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.10	+19 40.1	1.899	2.713	13.9	22.0
1 22	10 23.41	+20 47.3	1.822	2.716	10.6	21.7
2 1	10 15.16	+22 0.4	1.769	2.718	6.9	21.5
2 11	10 5.05	+23 11.3	1.745	2.720	4.1	21.4
2 21	9 54.13	+24 11.9	1.750	2.720	5.1	21.4
3 2	9 43.66	+24 55.7	1.784	2.719	8.6	21.6
3 12	9 34.79	+25 19.8	1.845	2.718	12.2	21.8
3 22	9 28.32	+25 24.3	1.927	2.715	15.3	22.0

103378 2000 AM_{119} 2 16.9 88°.06 1°.5/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.33	+ 4 58.8	1.401	2.205	18.5	19.5
1 22	10 20.95	+ 5 36.3	1.338	2.222	14.4	19.3
2 1	10 13.72	+ 6 36.1	1.295	2.239	9.5	19.0
2 11	10 4.51	+ 7 52.6	1.277	2.256	4.2	18.8
2 21	9 54.54	+ 9 17.3	1.286	2.272	2.2	18.7
3 2	9 45.24	+10 40.4	1.322	2.289	7.2	19.0
3 12	9 37.88	+11 53.0	1.384	2.305	12.0	19.3
3 22	9 33.23	+12 50.0	1.468	2.321	16.1	19.6

194212 2001 TH_{114} 2 16.9 105°.38 0°.3/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 30.67	+10 50.2	1.758	2.555	15.6	21.3
1 22	10 24.34	+11 17.3	1.698	2.582	11.9	21.1
2 1	10 15.54	+11 56.0	1.662	2.609	7.5	20.9
2 11	10 5.11	+12 40.9	1.653	2.634	2.8	20.7
2 21	9 54.18	+13 25.7	1.673	2.659	2.0	20.7
3 2	9 43.97	+14 4.7	1.723	2.683	6.6	21.0
3 12	9 35.53	+14 33.7	1.800	2.706	10.6	21.3
3 22	9 29.53	+14 50.7	1.901	2.728	14.0	21.6

321064 2008 SW_{40} 2 16.9 123°.80 1°.3/15.8 18

1 12	10 23.26	+13 52.4	2.122	2.930	12.9	20.7
1 22	10 18.61	+14 26.7	2.044	2.936	9.8	20.5
2 1	10 11.90	+15 9.3	1.991	2.941	6.1	20.3
2 11	10 3.77	+15 55.3	1.965	2.947	2.4	20.1
2 21	9 55.05	+16 39.3	1.969	2.952	2.5	20.1
3 2	9 46.72	+17 16.3	2.002	2.958	6.2	20.3
3 12	9 39.67	+17 42.6	2.063	2.963	9.8	20.6
3 22	9 34.54	+17 56.7	2.147	2.968	12.9	20.8

200896 2002 AA_{41} 2 16.9 79°.77 3°.6/19.2 18

1 12	10 26.04	+ 2 59.5	1.492	2.283	18.2	20.0
1 22	10 21.45	+ 2 42.7	1.418	2.290	14.5	19.8
2 1	10 14.06	+ 2 45.7	1.364	2.298	10.2	19.5
2 11	10 4.67	+ 3 7.0	1.334	2.306	5.7	19.3
2 21	9 54.44	+ 3 42.6	1.331	2.313	3.7	19.2
3 2	9 44.73	+ 4 26.2	1.355	2.321	7.2	19.4
3 12	9 36.84	+ 5 10.5	1.404	2.329	11.6	19.7
3 22	9 31.59	+ 5 49.6	1.476	2.336	15.6	19.9

61394 2000 QY_4 2 16.9 205°.64 1°.8/18.5 18

1 12	10 23.72	+ 3 57.1	1.816	2.601	15.7	20.1
1 22	10 19.40	+ 4 28.3	1.725	2.597	12.3	19.9
2 1	10 12.67	+ 5 19.1	1.656	2.593	8.4	19.6
2 11	10 4.15	+ 6 26.2	1.612	2.589	4.0	19.4
2 21	9 54.77	+ 7 43.6	1.598	2.584	2.2	19.2
3 2	9 45.66	+ 9 3.7	1.612	2.578	6.3	19.5
3 12	9 37.95	+10 18.9	1.654	2.572	10.6	19.7
3 22	9 32.44	+11 23.1	1.720	2.565	14.4	19.9

114242 2002 WU_5 2 16.9 161°.43 7°.1/ 9.2 18

1 12	10 24.86	+33 9.9	2.352	3.169	11.5	19.8
1 22	10 19.95	+34 32.0	2.290	3.171	9.3	19.6
2 1	10 12.81	+35 48.7	2.253	3.172	7.6	19.5
2 11	10 4.13	+36 52.1	2.244	3.174	7.1	19.5
2 21	9 54.82	+37 35.9	2.262	3.175	8.1	19.6
3 2	9 45.93	+37 56.4	2.307	3.176	10.1	19.7
3 12	9 38.45	+37 53.3	2.375	3.177	12.3	19.8
3 22	9 33.05	+37 29.1	2.464	3.178	14.3	20.0

362655 2011 SD_{276} 2 16.9 76°.17 1°.3/16.1 18

1 12	10 28.03	+13 14.3	1.449	2.269	17.2	21.2
1 22	10 22.89	+13 44.8	1.391	2.288	13.0	21.0
2 1	10 14.88	+14 26.8	1.354	2.307	8.2	20.7
2 11	10 4.93	+15 13.7	1.343	2.325	3.1	20.5
2 21	9 54.33	+15 57.7	1.360	2.344	2.9	20.5
3 2	9 44.51	+16 32.2	1.403	2.363	7.8	20.9
3 12	9 36.72	+16 52.9	1.472	2.381	12.3	21.2
3 22	9 31.69	+16 58.7	1.563	2.399	16.1	21.4

460186 2014 QL_{119} 2 16.9 147°.21 0°.2/16.8 18

1 12	10 26.63	+10 43.6	2.060	2.854	13.7	22.3
1 22	10 21.17	+11 11.1	1.982	2.865	10.5	22.1
2 1	10 13.54	+11 49.3	1.928	2.874	6.7	21.9
2 11	10 4.40	+12 33.9	1.902	2.883	2.5	21.7
2 21	9 54.65	+13 19.4	1.906	2.892	1.8	21.6
3 2	9 45.33	+14 0.7	1.940	2.899	6.0	21.9
3 12	9 37.39	+14 33.5	2.002	2.906	9.8	22.2
3 22	9 31.50	+14 55.4	2.088	2.913	13.0	22.4

27211 1999 CO_{106} 2 16.9 45°.20 5°.5/21.9 18

1 12	10 19.39	− 5 35.6	1.594	2.354	18.5	17.2
1 22	10 16.23	− 5 20.3	1.520	2.365	15.3	17.0
2 1	10 10.65	− 4 35.9	1.464	2.375	11.5	16.8
2 11	10 3.36	− 3 23.4	1.432	2.387	7.8	16.6
2 21	9 55.35	− 1 48.2	1.426	2.398	5.6	16.5
3 2	9 47.78	+ 0 1.0	1.447	2.410	7.1	16.6
3 12	9 41.75	+ 1 53.2	1.494	2.423	10.7	16.9
3 22	9 38.00	+ 3 38.6	1.565	2.435	14.3	17.1

101404 1998 VY_2 2 16.9 3°.84 5°.2/12.5 18

1 12	10 23.82	+24 34.6	1.946	2.775	13.1	19.5
1 22	10 19.39	+25 35.4	1.875	2.775	10.1	19.3
2 1	10 12.57	+26 37.2	1.829	2.775	7.0	19.1
2 11	10 4.08	+27 32.0	1.809	2.775	5.2	19.0
2 21	9 54.91	+28 12.8	1.818	2.775	6.3	19.1
3 2	9 46.20	+28 34.8	1.853	2.776	9.1	19.3
3 12	9 39.00	+28 36.1	1.914	2.777	12.3	19.5
3 22	9 34.05	+28 18.0	1.996	2.778	15.1	19.7

499197 2009 SW_{358} 2 16.9 187°.69 4°.8/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.45	− 5 45.3	2.642	3.354	13.1	22.6
1 22	10 18.44	− 5 58.0	2.541	3.354	10.9	22.4
2 1	10 11.70	− 5 53.7	2.463	3.352	8.5	22.3
2 11	10 3.72	− 5 32.5	2.411	3.350	6.1	22.1
2 21	9 55.15	− 4 55.7	2.388	3.347	4.8	22.0
3 2	9 46.77	− 4 6.7	2.395	3.344	5.8	22.1
3 12	9 39.34	− 3 10.2	2.430	3.339	8.1	22.2
3 22	9 33.44	− 2 11.6	2.493	3.334	10.6	22.4

181975 1999 VK_{35} 2 16.9 116°.36 1°.9/15.4 18

1 12	10 26.66	+14 41.4	1.874	2.685	14.3	20.9
1 22	10 21.36	+15 30.3	1.808	2.701	10.7	20.7
2 1	10 13.72	+16 28.0	1.766	2.717	6.7	20.5
2 11	10 4.49	+17 28.0	1.752	2.733	2.8	20.3
2 21	9 54.67	+18 23.5	1.766	2.748	3.2	20.3
3 2	9 45.40	+19 8.3	1.810	2.762	7.1	20.6
3 12	9 37.69	+19 38.9	1.881	2.776	10.8	20.9
3 22	9 32.22	+19 54.0	1.975	2.789	14.1	21.1

427603 2003 SV_{219} 2 16.9 174°.09 8°.6/24.3 18

1 12	10 23.74	−13 19.4	1.281	2.013	23.6	21.6
1 22	10 20.36	−12 51.2	1.197	2.015	20.3	21.3
2 1	10 13.77	−11 36.8	1.129	2.017	16.2	21.1
2 11	10 4.72	− 9 33.0	1.080	2.018	11.9	20.8
2 21	9 54.44	− 6 44.5	1.056	2.019	8.9	20.6
3 2	9 44.55	− 3 25.5	1.059	2.019	9.6	20.7
3 12	9 36.64	+ 0 3.3	1.088	2.018	13.5	20.9
3 22	9 31.78	+ 3 21.7	1.141	2.017	18.0	21.1

413971 2007 DP_{23} 2 16.9 77°.35 0°.7/17.6 18

1 12	10 23.00	+ 7 10.4	1.798	2.596	15.3	21.6
1 22	10 18.62	+ 7 45.4	1.731	2.614	11.7	21.4
2 1	10 12.00	+ 8 35.9	1.686	2.631	7.6	21.2
2 11	10 3.84	+ 9 37.3	1.669	2.649	3.1	20.9
2 21	9 55.12	+10 43.0	1.680	2.666	1.7	20.9
3 2	9 46.90	+11 46.3	1.719	2.684	6.1	21.2
3 12	9 40.17	+12 41.1	1.786	2.701	10.1	21.5
3 22	9 35.58	+13 23.8	1.876	2.718	13.6	21.7

116465 2004 AN_9 2 16.9 63°.45 4°.4/21.2 18

1 12	10 20.12	− 2 53.8	2.160	2.909	14.6	20.0
1 22	10 16.20	− 2 58.9	2.076	2.916	11.9	19.8
2 1	10 10.38	− 2 45.1	2.013	2.923	8.9	19.7
2 11	10 3.23	− 2 13.2	1.976	2.931	6.0	19.5
2 21	9 55.52	− 1 25.8	1.967	2.938	4.4	19.4
3 2	9 48.11	− 0 27.8	1.986	2.946	5.9	19.5
3 12	9 41.85	+ 0 34.8	2.033	2.954	8.8	19.7
3 22	9 37.34	+ 1 36.2	2.105	2.961	11.7	19.9

7689 Reinerstoss 2 16.9 167°.80 0°.5/17.5 18

1 12	10 22.32	+ 8 30.2	2.260	3.051	12.8	18.9
1 22	10 17.81	+ 8 52.3	2.173	3.053	9.8	18.7
2 1	10 11.39	+ 9 25.9	2.111	3.055	6.4	18.5
2 11	10 3.62	+10 7.6	2.076	3.056	2.6	18.3
2 21	9 55.26	+10 53.0	2.071	3.058	1.5	18.2
3 2	9 47.20	+11 37.3	2.096	3.059	5.3	18.5
3 12	9 40.28	+12 16.1	2.149	3.059	8.9	18.7
3 22	9 35.12	+12 46.2	2.226	3.060	12.0	18.9

12676 1981 DU_1 2 16.9 63°.13 6°.3/22.7 18

1 12	10 21.74	− 7 6.6	1.957	2.687	16.5	18.4
1 22	10 17.54	− 7 30.4	1.884	2.705	13.8	18.2
2 1	10 11.27	− 7 31.3	1.832	2.723	10.8	18.1
2 11	10 3.57	− 7 9.0	1.804	2.741	8.0	17.9
2 21	9 55.31	− 6 25.7	1.802	2.759	6.4	17.9
3 2	9 47.48	− 5 26.2	1.827	2.777	7.2	18.0
3 12	9 40.97	− 4 17.7	1.879	2.795	9.6	18.1
3 22	9 36.42	− 3 7.2	1.956	2.813	12.4	18.3

343047 2009 BA_{163} 2 16.9 354°.95 1°.5/15.7 17

1 12	10 23.84	+16 3.4	2.201	3.011	12.4	21.2
1 22	10 19.03	+16 20.1	2.118	3.010	9.4	21.0
2 1	10 12.18	+16 42.4	2.059	3.010	5.9	20.8
2 11	10 3.92	+17 5.9	2.028	3.010	2.4	20.6
2 21	9 55.07	+17 26.2	2.027	3.009	2.6	20.6
3 2	9 46.59	+17 39.3	2.055	3.009	6.2	20.8
3 12	9 39.36	+17 42.8	2.110	3.009	9.6	21.0
3 22	9 34.02	+17 35.7	2.190	3.009	12.7	21.2

109467 2001 QG_{216} 2 16.9 106°.20 0°.1/17.0 18

1 12	10 22.79	+ 8 38.8	1.874	2.675	14.6	20.4
1 22	10 18.48	+ 9 23.7	1.800	2.686	11.2	20.2
2 1	10 11.94	+10 23.2	1.749	2.696	7.2	20.0
2 11	10 3.85	+11 32.2	1.725	2.706	2.7	19.7
2 21	9 55.12	+12 44.0	1.730	2.716	1.8	19.7
3 2	9 46.82	+13 51.5	1.764	2.726	6.2	20.0
3 12	9 39.92	+14 48.8	1.825	2.735	10.2	20.2
3 22	9 35.12	+15 32.5	1.910	2.745	13.6	20.5

409867 2006 SE_{222} 2 16.9 72°.64 7°.4/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 32.29	+29 45.3	1.636	2.461	15.3	21.1
1 22	10 26.18	+30 37.0	1.578	2.469	12.1	20.9
2 1	10 17.01	+31 23.4	1.542	2.478	9.0	20.7
2 11	10 5.78	+31 54.4	1.532	2.487	7.4	20.6
2 21	9 53.88	+32 2.8	1.549	2.495	8.4	20.7
3 2	9 42.85	+31 45.1	1.593	2.504	11.2	20.9
3 12	9 34.02	+31 2.9	1.660	2.513	14.3	21.1
3 22	9 28.15	+30 0.8	1.747	2.521	17.2	21.3

430397 2014 YT_6 2 16.9 119°.42 2°.3/14.7 18

1 12	10 22.42	+15 48.2	2.099	2.914	12.8	20.6
1 22	10 18.05	+16 49.1	2.026	2.922	9.6	20.4
2 1	10 11.60	+17 58.0	1.977	2.929	6.0	20.2
2 11	10 3.71	+19 8.6	1.957	2.936	2.8	20.0
2 21	9 55.23	+20 14.2	1.966	2.944	3.5	20.0
3 2	9 47.12	+21 8.8	2.004	2.951	6.9	20.3
3 12	9 40.30	+21 48.5	2.069	2.957	10.3	20.5
3 22	9 35.42	+22 12.1	2.157	2.964	13.3	20.7

408754 1992 SX_{10} 2 16.9 220°.27 1°.2/16.0 17

1 12	10 26.07	+12 52.1	1.985	2.789	13.8	23.0
1 22	10 21.08	+13 30.9	1.891	2.780	10.6	22.8
2 1	10 13.71	+14 20.6	1.821	2.771	6.7	22.5
2 11	10 4.58	+15 16.1	1.779	2.761	2.5	22.2
2 21	9 54.60	+16 10.9	1.766	2.750	2.5	22.2
3 2	9 44.86	+16 59.0	1.783	2.738	6.8	22.5
3 12	9 36.48	+17 35.5	1.827	2.726	10.8	22.7
3 22	9 30.23	+17 58.0	1.894	2.714	14.4	22.9

315579 2008 CH_{74} 2 16.9 317°.96 4°.1/14.1 18

1 12	10 23.94	+19 28.5	1.519	2.356	15.7	20.8
1 22	10 20.18	+20 17.4	1.437	2.343	12.0	20.6
2 1	10 13.48	+21 13.8	1.377	2.331	7.9	20.3
2 11	10 4.57	+22 9.2	1.342	2.320	4.4	20.1
2 21	9 54.60	+22 54.9	1.334	2.309	5.5	20.1
3 2	9 45.04	+23 23.4	1.352	2.298	9.6	20.3
3 12	9 37.29	+23 31.1	1.394	2.288	14.0	20.5
3 22	9 32.27	+23 18.0	1.456	2.278	17.8	20.7

372514 2009 SM_{288} 2 16.9 206°.86 0°.9/17.8 17

1 12	10 23.99	+ 7 26.5	2.335	3.117	12.7	22.3
1 22	10 19.09	+ 7 43.3	2.239	3.112	9.9	22.1
2 1	10 12.23	+ 8 11.9	2.166	3.106	6.5	21.8
2 11	10 3.96	+ 8 49.5	2.121	3.100	2.8	21.6
2 21	9 55.04	+ 9 32.1	2.106	3.093	1.6	21.5
3 2	9 46.34	+10 15.0	2.122	3.085	5.2	21.7
3 12	9 38.73	+10 53.9	2.167	3.077	8.8	21.9
3 22	9 32.87	+11 25.4	2.236	3.068	12.0	22.1

468591 2007 RR_{299} 2 16.9 52°.94 2°.4/19.3 18

1 12	10 19.42	+ 2 19.5	2.096	2.873	14.1	21.4
1 22	10 15.71	+ 2 41.3	2.015	2.881	11.1	21.2
2 1	10 10.09	+ 3 20.2	1.958	2.890	7.7	21.0
2 11	10 3.13	+ 4 13.5	1.927	2.899	4.1	20.8
2 21	9 55.62	+ 5 16.7	1.924	2.908	2.5	20.7
3 2	9 48.45	+ 6 23.8	1.951	2.917	5.3	20.9
3 12	9 42.45	+ 7 28.8	2.005	2.926	8.8	21.1
3 22	9 38.23	+ 8 26.7	2.084	2.936	12.0	21.4

79200 1993 UH_4 2 16.9 191°.56 0°.1/16.9 18

1 12	10 23.70	+ 9 45.5	2.343	3.133	12.4	20.7
1 22	10 18.85	+10 24.2	2.251	3.131	9.5	20.5
2 1	10 12.07	+11 14.1	2.183	3.129	6.1	20.2
2 11	10 3.90	+12 11.3	2.145	3.126	2.3	20.0
2 21	9 55.09	+13 10.7	2.137	3.123	1.6	19.9
3 2	9 46.53	+14 6.8	2.159	3.118	5.5	20.2
3 12	9 39.08	+14 55.0	2.210	3.114	9.0	20.4
3 22	9 33.37	+15 32.5	2.286	3.108	12.1	20.6

9055 Edvardsson 2 16.9 209°.13 2°.2/19.4 18

1 12	10 21.40	+ 1 52.5	2.790	3.544	11.5	19.6
1 22	10 16.83	+ 2 9.8	2.685	3.537	9.2	19.4
2 1	10 10.66	+ 2 40.5	2.604	3.529	6.4	19.2
2 11	10 3.34	+ 3 22.9	2.552	3.520	3.6	19.0
2 21	9 55.47	+ 4 14.0	2.530	3.511	2.3	18.9
3 2	9 47.75	+ 5 9.9	2.538	3.501	4.5	19.0
3 12	9 40.88	+ 6 5.8	2.577	3.491	7.5	19.2
3 22	9 35.41	+ 6 58.0	2.642	3.480	10.2	19.4

161881 2007 CS_{45} 2 16.9 280°.70 0°.2/16.8 17

1 12	10 20.07	+ 7 36.0	1.889	2.691	14.5	20.2
1 22	10 16.70	+ 8 41.7	1.787	2.674	11.2	20.0
2 1	10 11.03	+10 6.6	1.709	2.657	7.2	19.7
2 11	10 3.60	+11 45.7	1.657	2.639	2.8	19.4
2 21	9 55.24	+13 31.3	1.635	2.621	2.0	19.3
3 2	9 47.01	+15 14.2	1.642	2.604	6.7	19.6
3 12	9 40.00	+16 46.0	1.677	2.586	11.1	19.8
3 22	9 35.05	+18 1.1	1.735	2.568	14.9	20.0

295839 2008 VB_{10} 2 16.9 30°.59 2°.1/18.8 18

1 12	10 18.65	+ 3 17.1	1.705	2.501	16.1	20.1
1 22	10 15.50	+ 3 48.1	1.635	2.513	12.6	19.9
2 1	10 10.11	+ 4 39.3	1.586	2.525	8.5	19.7
2 11	10 3.17	+ 5 46.7	1.562	2.538	4.3	19.5
2 21	9 55.61	+ 7 4.0	1.566	2.551	2.3	19.4
3 2	9 48.50	+ 8 23.4	1.597	2.565	6.0	19.6
3 12	9 42.82	+ 9 37.1	1.655	2.580	10.1	19.9
3 22	9 39.24	+10 39.6	1.737	2.595	13.7	20.2

465944 2011 AH_{53} 2 16.9 2°.33 3°.2/14.5 16

1 12	10 19.74	+16 10.1	1.429	2.270	16.3	21.1
1 22	10 16.94	+17 10.7	1.359	2.269	12.3	20.9
2 1	10 11.34	+18 22.9	1.311	2.268	7.8	20.6
2 11	10 3.72	+19 38.0	1.288	2.269	3.7	20.4
2 21	9 55.22	+20 46.4	1.292	2.270	4.7	20.4
3 2	9 47.24	+21 39.4	1.321	2.273	9.1	20.7
3 12	9 41.04	+22 11.8	1.373	2.276	13.5	21.0
3 22	9 37.48	+22 22.6	1.446	2.280	17.3	21.2

76848 2000 WO_3 2 16.9 183°.55 0°.8/16.3 18

1 12	10 23.28	+ 2 40.3	1.199	2.010	20.6	18.8
1 22	10 20.23	+ 5 6.7	1.120	2.011	16.0	18.5
2 1	10 13.84	+ 8 15.6	1.061	2.011	10.2	18.2
2 11	10 4.81	+11 55.5	1.029	2.011	3.7	17.8
2 21	9 54.42	+15 45.7	1.025	2.011	3.3	17.8
3 2	9 44.38	+19 22.1	1.051	2.010	9.9	18.2
3 12	9 36.40	+22 25.4	1.103	2.008	15.8	18.5
3 22	9 31.62	+24 46.8	1.175	2.007	20.6	18.8

18996 Torasan 2 16.9 59°.50 8°.8/26.6 18

1 12	10 19.94	−17 43.4	2.501	3.143	15.3	17.0
1 22	10 15.98	−18 32.1	2.409	3.146	13.6	16.9
2 1	10 10.24	−18 58.4	2.336	3.149	11.8	16.8
2 11	10 3.21	−18 59.8	2.285	3.152	10.1	16.6
2 21	9 55.59	−18 35.7	2.258	3.154	9.0	16.6
3 2	9 48.17	−17 48.2	2.257	3.157	8.9	16.6
3 12	9 41.74	−16 42.3	2.282	3.160	9.9	16.6
3 22	9 36.92	−15 24.6	2.331	3.163	11.6	16.7

371967 2008 FV_{125} 2 16.9 214°.47 4°.8/21.3 17

1 12	10 22.36	− 3 56.6	2.209	2.946	14.7	21.8
1 22	10 17.99	− 4 3.5	2.109	2.941	12.1	21.6
2 1	10 11.62	− 3 51.1	2.030	2.934	9.2	21.4
2 11	10 3.78	− 3 19.4	1.977	2.928	6.3	21.2
2 21	9 55.21	− 2 30.6	1.952	2.921	4.8	21.1
3 2	9 46.84	− 1 29.3	1.956	2.914	6.2	21.2
3 12	9 39.56	− 0 21.4	1.989	2.906	9.1	21.3
3 22	9 34.07	+ 0 46.5	2.046	2.897	12.2	21.5

417298 2006 BE_{80} 2 16.9 313°.02 2°.3/14.8 17

1 12	10 18.89	+13 23.9	1.757	2.583	14.4	20.5
1 22	10 15.98	+14 40.0	1.664	2.565	10.9	20.2
2 1	10 10.66	+16 11.4	1.594	2.549	6.9	20.0
2 11	10 3.49	+17 50.9	1.551	2.532	3.0	19.7
2 21	9 55.37	+19 29.3	1.536	2.516	3.8	19.7
3 2	9 47.44	+20 57.3	1.549	2.500	8.1	19.9
3 12	9 40.86	+22 7.5	1.588	2.485	12.3	20.1
3 22	9 36.49	+22 56.5	1.648	2.470	16.0	20.3

4398 Chiara 2 16.9 58°.23 2°.0/15.5 18

1 12	10 23.85	+13 15.1	1.445	2.273	16.8	16.3
1 22	10 19.96	+14 11.9	1.377	2.279	12.7	16.0
2 1	10 13.22	+15 22.8	1.330	2.285	8.0	15.8
2 11	10 4.44	+16 39.9	1.310	2.292	3.2	15.5
2 21	9 54.80	+17 53.6	1.316	2.298	3.6	15.5
3 2	9 45.73	+18 55.1	1.349	2.305	8.4	15.8
3 12	9 38.52	+19 38.4	1.406	2.312	13.0	16.1
3 22	9 34.01	+20 1.6	1.485	2.319	16.9	16.4

338210 2002 SF_{34} 2 16.9 92°.69 3°.6/14.9 18

1 12	10 32.86	+19 0.1	1.393	2.219	17.5	20.5
1 22	10 26.75	+19 35.7	1.337	2.237	13.2	20.2
2 1	10 17.44	+20 16.7	1.303	2.255	8.5	20.0
2 11	10 5.97	+20 54.6	1.294	2.273	4.2	19.8
2 21	9 53.84	+21 21.0	1.313	2.290	4.9	19.9
3 2	9 42.66	+21 30.7	1.358	2.307	9.3	20.2
3 12	9 33.81	+21 22.0	1.429	2.324	13.6	20.5
3 22	9 28.06	+20 56.7	1.520	2.340	17.2	20.8

20480 Antonschraut 2 16.9 102°.43 0°.5/16.6 18

1 12	10 26.70	+10 37.5	1.744	2.548	15.4	18.8
1 22	10 21.50	+11 15.8	1.679	2.568	11.7	18.6
2 1	10 13.87	+12 6.9	1.638	2.587	7.4	18.4
2 11	10 4.60	+13 4.9	1.624	2.605	2.7	18.1
2 21	9 54.73	+14 3.2	1.638	2.624	2.1	18.1
3 2	9 45.46	+14 54.9	1.681	2.642	6.7	18.4
3 12	9 37.84	+15 35.2	1.751	2.659	10.8	18.7
3 22	9 32.55	+16 1.8	1.845	2.676	14.2	19.0

15594 Castillo 2 16.9 84°.59 3°.5/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 31.77	+18 50.9	1.420	2.246	17.2	17.8
1 22	10 25.85	+19 26.1	1.364	2.264	13.0	17.6
2 1	10 16.83	+20 6.7	1.331	2.283	8.3	17.4
2 11	10 5.74	+20 44.3	1.323	2.301	4.1	17.2
2 21	9 54.00	+21 11.2	1.342	2.319	4.8	17.3
3 2	9 43.18	+21 21.9	1.388	2.337	9.1	17.6
3 12	9 34.63	+21 14.7	1.459	2.355	13.3	17.9
3 22	9 29.07	+20 51.2	1.551	2.372	16.9	18.1

255234 2005 UO_{439} 2 16.9 166°.27 3°.7/20.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.04	+ 0 13.9	2.233	2.985	14.1	21.0
1 22	10 19.90	− 0 1.9	2.143	2.989	11.4	20.8
2 1	10 12.75	− 0 2.3	2.076	2.993	8.3	20.6
2 11	10 4.18	+ 0 12.2	2.035	2.996	5.2	20.5
2 21	9 54.98	+ 0 39.2	2.023	2.999	3.7	20.4
3 2	9 46.07	+ 1 14.8	2.041	3.001	5.7	20.5
3 12	9 38.34	+ 1 54.1	2.087	3.002	8.9	20.7
3 22	9 32.43	+ 2 32.6	2.159	3.004	11.9	20.9

285774 2000 UF_{84} 2 16.9 148°.44 5°.0/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.22	+24 36.1	2.037	2.859	12.9	20.5
1 22	10 21.10	+25 35.7	1.967	2.862	9.9	20.3
2 1	10 13.63	+26 35.9	1.922	2.866	6.9	20.1
2 11	10 4.53	+27 29.1	1.904	2.869	5.0	20.0
2 21	9 54.77	+28 8.5	1.915	2.872	6.0	20.1
3 2	9 45.48	+28 29.4	1.954	2.875	8.8	20.2
3 12	9 37.72	+28 30.4	2.018	2.878	11.9	20.4
3 22	9 32.16	+28 12.9	2.104	2.880	14.6	20.6

83797 2001 TX_{212} 2 16.9 30°.15 0°.1/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.98	+11 51.4	2.250	3.046	12.7	19.3
1 22	10 19.82	+11 46.6	2.164	3.047	9.7	19.1
2 1	10 12.67	+11 49.1	2.102	3.048	6.2	18.9
2 11	10 4.14	+11 56.1	2.068	3.049	2.4	18.7
2 21	9 55.03	+12 4.4	2.064	3.051	1.6	18.6
3 2	9 46.27	+12 10.7	2.090	3.052	5.4	18.9
3 12	9 38.73	+12 12.1	2.144	3.053	9.0	19.1
3 22	9 33.05	+12 7.1	2.223	3.054	12.1	19.3

417668 2007 AQ 2 16.9 76°.03 5°.9/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.20	+21 44.2	1.750	2.584	14.1	20.1
1 22	10 18.50	+24 0.0	1.685	2.589	10.7	19.9
2 1	10 12.23	+26 22.7	1.647	2.594	7.5	19.7
2 11	10 4.07	+28 40.4	1.636	2.600	5.9	19.6
2 21	9 55.04	+30 40.8	1.654	2.605	7.5	19.7
3 2	9 46.39	+32 15.1	1.700	2.610	10.7	19.9
3 12	9 39.33	+33 19.2	1.771	2.615	14.0	20.1
3 22	9 34.66	+33 54.0	1.861	2.620	16.8	20.3

380110 2013 TF_{36} 2 16.9 119°.49 1°.5/18.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.45	+ 4 51.2	2.105	2.888	13.8	21.4
1 22	10 17.28	+ 5 16.9	2.022	2.895	10.8	21.2
2 1	10 11.12	+ 5 57.8	1.963	2.901	7.3	21.0
2 11	10 3.57	+ 6 51.0	1.930	2.907	3.5	20.8
2 21	9 55.42	+ 7 51.5	1.927	2.913	1.9	20.7
3 2	9 47.61	+ 8 53.5	1.953	2.918	5.4	20.9
3 12	9 40.99	+ 9 51.3	2.007	2.924	9.1	21.2
3 22	9 36.21	+10 40.7	2.086	2.929	12.3	21.4

110764 2001 UV_{22} 2 16.9 35°.93 8°.4/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.91	− 8 39.4	1.593	2.332	19.4	18.6
1 22	10 18.23	− 9 30.2	1.519	2.341	16.5	18.4
2 1	10 12.01	− 9 53.9	1.464	2.351	13.3	18.3
2 11	10 3.97	− 9 48.2	1.430	2.361	10.2	18.1
2 21	9 55.14	− 9 13.9	1.421	2.372	8.5	18.0
3 2	9 46.75	− 8 15.8	1.437	2.383	9.1	18.1
3 12	9 39.95	− 7 2.5	1.477	2.394	11.7	18.3
3 22	9 35.53	− 5 43.5	1.540	2.406	14.7	18.5

245805 2006 HC_{101} 2 16.9 290°.65 0°.8/16.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.02	+10 50.7	1.517	2.337	16.6	21.5
1 22	10 19.57	+11 28.5	1.419	2.316	12.8	21.2
2 1	10 13.22	+12 23.4	1.343	2.295	8.3	20.9
2 11	10 4.57	+13 30.2	1.292	2.274	3.1	20.6
2 21	9 54.66	+14 41.0	1.267	2.253	2.7	20.5
3 2	9 44.90	+15 46.6	1.270	2.232	8.1	20.7
3 12	9 36.75	+16 39.4	1.297	2.211	13.2	21.0
3 22	9 31.25	+17 14.7	1.346	2.190	17.7	21.2

327350 2005 UD_{205} 2 16.9 104°.17 7°.0/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.34	+30 17.8	2.001	2.821	13.1	20.5
1 22	10 22.75	+31 38.4	1.949	2.837	10.4	20.4
2 1	10 14.67	+32 54.3	1.923	2.852	8.0	20.3
2 11	10 4.91	+33 56.4	1.923	2.868	7.0	20.2
2 21	9 54.58	+34 37.6	1.952	2.882	8.1	20.3
3 2	9 44.89	+34 54.3	2.007	2.897	10.4	20.5
3 12	9 36.93	+34 46.6	2.086	2.911	12.9	20.7
3 22	9 31.38	+34 17.7	2.186	2.925	15.2	20.9

256566 2007 SH_{14} 2 16.9 187°.16 3°.0/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 28.59	+18 36.0	2.057	2.867	13.2	21.2
1 22	10 22.87	+19 22.2	1.975	2.867	10.0	21.0
2 1	10 14.78	+20 13.8	1.917	2.866	6.5	20.8
2 11	10 5.00	+21 4.5	1.887	2.864	3.3	20.6
2 21	9 54.47	+21 47.6	1.887	2.862	4.1	20.6
3 2	9 44.33	+22 18.0	1.917	2.859	7.5	20.8
3 12	9 35.64	+22 32.8	1.973	2.855	11.1	21.0
3 22	9 29.15	+22 31.8	2.053	2.850	14.2	21.2

192957 2000 CC_{35} 2 16.9 49°.79 2°.0/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.23	+ 6 38.7	1.764	2.558	15.7	19.8
1 22	10 20.31	+ 6 24.7	1.698	2.576	12.2	19.6
2 1	10 13.08	+ 6 24.5	1.655	2.595	8.2	19.4
2 11	10 4.30	+ 6 35.6	1.638	2.614	4.0	19.2
2 21	9 54.98	+ 6 54.2	1.648	2.633	2.3	19.1
3 2	9 46.24	+ 7 15.9	1.687	2.653	6.0	19.4
3 12	9 39.07	+ 7 35.9	1.753	2.673	10.0	19.7
3 22	9 34.13	+ 7 50.8	1.842	2.693	13.4	20.0

113525 2002 TD_{19} 2 16.9 36°.39 0°.6/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.54	+ 8 42.5	2.010	2.809	13.8	20.0
1 22	10 17.43	+ 8 58.8	1.930	2.814	10.6	19.7
2 1	10 11.26	+ 9 27.3	1.873	2.819	6.9	19.5
2 11	10 3.63	+10 4.5	1.843	2.824	2.8	19.3
2 21	9 55.41	+10 45.8	1.842	2.829	1.6	19.2
3 2	9 47.55	+11 25.9	1.870	2.834	5.7	19.5
3 12	9 40.96	+12 0.3	1.925	2.840	9.5	19.7
3 22	9 36.31	+12 25.7	2.004	2.846	12.8	19.9

247601 2002 TW_{212} 2 16.9 67°.74 2°.8/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.52	+13 50.5	1.555	2.379	16.1	20.0
1 22	10 20.08	+15 27.7	1.507	2.407	12.0	19.8
2 1	10 13.05	+17 16.7	1.482	2.436	7.4	19.6
2 11	10 4.31	+19 7.4	1.484	2.464	3.4	19.4
2 21	9 55.00	+20 49.0	1.514	2.492	4.3	19.6
3 2	9 46.40	+22 12.5	1.573	2.520	8.4	19.9
3 12	9 39.61	+23 13.2	1.657	2.548	12.3	20.2
3 22	9 35.30	+23 50.5	1.763	2.575	15.6	20.4

220461 2004 BD_{36} 2 16.9 339°.33 1°.0/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.14	+14 15.0	2.915	3.718	9.9	20.5
1 22	10 14.31	+14 43.8	2.826	3.716	7.4	20.3
2 1	10 9.02	+15 18.5	2.763	3.713	4.7	20.2
2 11	10 2.74	+15 55.7	2.729	3.711	1.8	20.0
2 21	9 56.02	+16 31.7	2.725	3.709	1.9	20.0
3 2	9 49.51	+17 3.1	2.752	3.707	4.8	20.2
3 12	9 43.85	+17 27.1	2.807	3.705	7.6	20.3
3 22	9 39.50	+17 42.1	2.887	3.703	10.0	20.5

106456 2000 VW_{62} 2 16.9 48°.80 4°.1/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.93	+ 1 56.8	1.474	2.264	18.5	19.8
1 22	10 20.70	+ 1 35.0	1.399	2.270	14.8	19.5
2 1	10 13.68	+ 1 33.9	1.344	2.276	10.5	19.3
2 11	10 4.65	+ 1 52.6	1.313	2.282	6.2	19.1
2 21	9 54.74	+ 2 27.4	1.307	2.288	4.2	19.0
3 2	9 45.34	+ 3 12.3	1.329	2.295	7.3	19.2
3 12	9 37.71	+ 3 59.6	1.375	2.301	11.6	19.4
3 22	9 32.71	+ 4 42.8	1.444	2.308	15.6	19.7

304944 2007 TK_{6} 2 16.9 157°.63 3°.1/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.74	+ 1 59.0	1.875	2.646	15.8	21.2
1 22	10 20.79	+ 2 1.5	1.791	2.652	12.6	21.0
2 1	10 13.50	+ 2 22.1	1.729	2.657	8.8	20.8
2 11	10 4.53	+ 2 59.0	1.693	2.662	5.0	20.6
2 21	9 54.83	+ 3 48.2	1.685	2.666	3.2	20.5
3 2	9 45.50	+ 4 43.9	1.706	2.670	6.1	20.7
3 12	9 37.59	+ 5 39.4	1.755	2.673	10.0	20.9
3 22	9 31.85	+ 6 29.5	1.828	2.676	13.6	21.1

327913 2007 DA_{14} 2 16.9 45°.83 0°.1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.18	+ 9 23.4	1.618	2.431	16.0	21.1
1 22	10 18.36	+ 9 59.0	1.547	2.440	12.2	20.9
2 1	10 12.05	+10 50.0	1.499	2.449	7.8	20.7
2 11	10 3.99	+11 51.0	1.476	2.458	3.0	20.4
2 21	9 55.21	+12 54.7	1.481	2.467	2.0	20.4
3 2	9 46.93	+13 53.8	1.513	2.477	6.8	20.7
3 12	9 40.26	+14 42.0	1.572	2.487	11.2	21.0
3 22	9 35.94	+15 15.8	1.652	2.497	14.9	21.2

294179 2007 TC_{392} 2 16.9 225°.27 1°.9/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.50	+14 36.9	1.861	2.672	14.3	21.4
1 22	10 21.60	+15 20.3	1.770	2.663	10.9	21.1
2 1	10 14.17	+16 13.9	1.702	2.653	6.9	20.9
2 11	10 4.84	+17 11.8	1.662	2.643	2.9	20.6
2 21	9 54.60	+18 6.8	1.651	2.633	3.2	20.6
3 2	9 44.64	+18 52.5	1.669	2.622	7.5	20.8
3 12	9 36.14	+19 24.0	1.713	2.610	11.6	21.1
3 22	9 29.95	+19 39.5	1.781	2.598	15.2	21.3

280039 2001 YQ_{130} 2 16.9 28.°12 7.°1/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 24.78	+23 12.0	1.030	1.891	19.6	19.6
1 22	10 21.56	+24 25.0	0.987	1.904	14.9	19.4
2 1	10 14.57	+25 40.6	0.964	1.919	10.2	19.2
2 11	10 5.00	+26 44.9	0.963	1.935	7.2	19.1
2 21	9 54.62	+27 26.0	0.985	1.952	8.6	19.2
3 2	9 45.38	+27 37.2	1.030	1.970	12.7	19.5
3 12	9 38.85	+27 18.5	1.095	1.989	16.9	19.8
3 22	9 35.82	+26 34.5	1.178	2.009	20.6	20.1

414875 2010 VY_{191} 2 16.9 160.°75 2.°6/14.7 18

1 12	10 25.82	+17 18.8	2.112	2.923	12.9	22.1
1 22	10 20.66	+18 10.3	2.035	2.929	9.7	21.9
2 1	10 13.31	+19 8.1	1.983	2.934	6.2	21.7
2 11	10 4.44	+20 6.1	1.960	2.938	3.0	21.5
2 21	9 54.93	+20 57.9	1.966	2.943	3.7	21.6
3 2	9 45.81	+21 38.1	2.002	2.946	7.1	21.8
3 12	9 38.05	+22 3.6	2.064	2.949	10.5	22.0
3 22	9 32.33	+22 13.5	2.150	2.951	13.5	22.2

396253 2014 BO_{63} 2 16.9 36.°06 0.°1/17.1 18

1 12	10 18.21	+ 7 32.9	2.145	2.944	13.1	20.8
1 22	10 14.83	+ 8 30.7	2.066	2.950	10.0	20.6
2 1	10 9.57	+ 9 43.2	2.010	2.957	6.4	20.4
2 11	10 3.01	+11 5.4	1.982	2.963	2.5	20.1
2 21	9 55.88	+12 31.1	1.984	2.970	1.6	20.1
3 2	9 49.06	+13 53.5	2.015	2.978	5.5	20.3
3 12	9 43.37	+15 6.4	2.074	2.985	9.2	20.6
3 22	9 39.40	+16 6.1	2.158	2.993	12.3	20.8

140446 2001 TU_{118} 2 16.9 65.°13 2.°0/18.5 18

1 12	10 25.79	+ 6 25.2	2.196	2.974	13.5	19.2
1 22	10 20.36	+ 6 1.9	2.120	2.988	10.6	19.0
2 1	10 12.97	+ 5 49.3	2.068	3.003	7.1	18.8
2 11	10 4.27	+ 5 45.9	2.044	3.018	3.6	18.6
2 21	9 55.07	+ 5 49.3	2.049	3.033	2.3	18.5
3 2	9 46.31	+ 5 56.5	2.084	3.048	5.3	18.7
3 12	9 38.83	+ 6 4.1	2.147	3.063	8.6	19.0
3 22	9 33.23	+ 6 9.3	2.236	3.078	11.7	19.2

184070 2004 GW_{12} 2 17.0 212.°05 6.°9/24.9 17

1 12	10 21.92	−14 17.0	2.649	3.308	14.2	21.4
1 22	10 17.43	−14 22.4	2.538	3.300	12.4	21.3
2 1	10 11.18	−14 5.7	2.447	3.291	10.3	21.1
2 11	10 3.65	−13 25.3	2.381	3.281	8.3	20.9
2 21	9 55.46	−12 22.1	2.341	3.270	7.0	20.8
3 2	9 47.41	−10 59.4	2.330	3.259	7.2	20.8
3 12	9 40.27	− 9 23.3	2.348	3.247	8.8	20.9
3 22	9 34.65	− 7 40.8	2.393	3.234	11.0	21.0

430701 2004 CU_{9} 2 17.0 98.°43 0.°3/16.8 18

1 12	10 24.35	+12 18.9	2.250	3.049	12.6	20.8
1 22	10 19.33	+12 27.1	2.169	3.055	9.6	20.6
2 1	10 12.37	+12 43.0	2.113	3.061	6.1	20.4
2 11	10 4.07	+13 3.2	2.085	3.067	2.3	20.2
2 21	9 55.24	+13 23.7	2.087	3.073	1.7	20.1
3 2	9 46.77	+13 40.9	2.118	3.079	5.5	20.4
3 12	9 39.54	+13 51.7	2.178	3.084	9.0	20.6
3 22	9 34.13	+13 54.3	2.262	3.090	12.0	20.8

233083 2005 QA_{75} 2 17.0 106.°10 1.°6/16.0 18

1 12	10 31.91	+14 33.4	1.520	2.333	16.9	20.8
1 22	10 25.80	+14 56.7	1.458	2.352	12.8	20.6
2 1	10 16.78	+15 29.5	1.418	2.369	8.1	20.4
2 11	10 5.79	+16 5.0	1.405	2.387	3.1	20.1
2 21	9 54.13	+16 36.5	1.420	2.404	3.1	20.2
3 2	9 43.26	+16 58.0	1.463	2.420	7.8	20.5
3 12	9 34.46	+17 6.4	1.531	2.436	12.2	20.8
3 22	9 28.49	+17 1.1	1.622	2.451	16.0	21.1

414907 2010 XN_{71} 2 17.0 105.°22 4.°5/20.6 18

1 12	10 26.20	− 1 21.2	2.015	2.765	15.5	21.4
1 22	10 20.86	− 1 43.3	1.940	2.783	12.6	21.2
2 1	10 13.39	− 1 47.5	1.888	2.800	9.3	21.0
2 11	10 4.47	− 1 34.2	1.861	2.818	6.0	20.9
2 21	9 54.98	− 1 6.0	1.862	2.834	4.5	20.8
3 2	9 45.94	− 0 27.0	1.892	2.851	6.2	20.9
3 12	9 38.27	+ 0 16.9	1.951	2.867	9.3	21.2
3 22	9 32.63	+ 1 0.3	2.033	2.882	12.4	21.4

346077 2007 UF_{114} 2 17.0 207.°82 4.°7/12.2 17

1 12	10 24.52	+26 17.3	2.501	3.317	10.9	21.3
1 22	10 19.49	+27 11.0	2.423	3.314	8.5	21.1
2 1	10 12.50	+28 3.9	2.371	3.311	6.1	20.9
2 11	10 4.13	+28 50.0	2.347	3.307	4.7	20.9
2 21	9 55.19	+29 23.7	2.353	3.304	5.6	20.9
3 2	9 46.58	+29 41.4	2.387	3.300	7.9	21.0
3 12	9 39.17	+29 41.7	2.448	3.296	10.5	21.2
3 22	9 33.59	+29 25.6	2.531	3.291	12.8	21.4

218656 2005 SV_{152} 2 17.0 96.°41 1.°1/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 21.46	+ 5 19.9	1.912	2.703	14.8	20.3
1 22	10 17.48	+ 6 4.1	1.835	2.713	11.4	20.1
2 1	10 11.35	+ 7 5.7	1.780	2.722	7.5	19.9
2 11	10 3.72	+ 8 20.2	1.753	2.731	3.3	19.6
2 21	9 55.46	+ 9 41.2	1.754	2.741	1.7	19.5
3 2	9 47.58	+11 1.4	1.785	2.750	5.8	19.8
3 12	9 41.03	+12 13.9	1.843	2.759	9.8	20.1
3 22	9 36.48	+13 14.0	1.925	2.768	13.2	20.3

203587 2002 CK_{246} 2 17.0 78.°40 1.°0/16.3 18

1 12	10 28.08	+12 1.2	1.470	2.287	17.2	21.0
1 22	10 22.90	+12 38.7	1.415	2.310	13.0	20.8
2 1	10 14.92	+13 29.2	1.382	2.333	8.2	20.6
2 11	10 5.07	+14 25.6	1.374	2.356	3.0	20.4
2 21	9 54.62	+15 19.9	1.394	2.379	2.7	20.4
3 2	9 44.96	+16 5.1	1.441	2.401	7.6	20.7
3 12	9 37.29	+16 36.3	1.514	2.423	12.0	21.0
3 22	9 32.32	+16 51.9	1.609	2.445	15.7	21.3

237311 2008 YV_{121} 2 17.0 162.°81 0.°5/17.5 17

1 12	10 21.11	+ 8 18.5	2.353	3.143	12.4	21.4
1 22	10 16.87	+ 8 42.4	2.266	3.145	9.5	21.2
2 1	10 10.82	+ 9 17.6	2.202	3.146	6.2	21.0
2 11	10 3.50	+10 0.8	2.167	3.147	2.5	20.7
2 21	9 55.62	+10 47.8	2.162	3.148	1.4	20.7
3 2	9 48.02	+11 33.9	2.186	3.149	5.1	20.9
3 12	9 41.48	+12 14.6	2.238	3.150	8.5	21.1
3 22	9 36.60	+12 47.0	2.316	3.151	11.6	21.3

251035 2006 QS_{138} 2 17.0 119.°70 7.°3/11.4 18

1 12	10 33.78	+31 53.5	1.989	2.800	13.5	21.0
1 22	10 26.85	+32 57.1	1.936	2.817	10.8	20.9
2 1	10 17.26	+33 53.9	1.908	2.833	8.4	20.7
2 11	10 5.93	+34 34.9	1.908	2.849	7.3	20.7
2 21	9 54.07	+34 53.7	1.935	2.864	8.2	20.8
3 2	9 43.02	+34 47.6	1.989	2.879	10.5	21.0
3 12	9 33.90	+34 17.9	2.069	2.893	13.0	21.1
3 22	9 27.41	+33 28.7	2.169	2.907	15.3	21.3

108796 2001 OM_{68} 2 17.0 222.°94 1.°3/15.7 18

1 12	10 22.80	+11 33.6	2.173	2.974	12.9	19.8
1 22	10 18.47	+12 43.3	2.076	2.965	9.8	19.6
2 1	10 12.03	+14 6.2	2.005	2.955	6.2	19.3
2 11	10 4.03	+15 36.7	1.963	2.944	2.4	19.1
2 21	9 55.24	+17 7.5	1.951	2.933	2.6	19.1
3 2	9 46.62	+18 31.2	1.969	2.922	6.5	19.3
3 12	9 39.14	+19 41.9	2.015	2.910	10.3	19.5
3 22	9 33.53	+20 36.2	2.086	2.897	13.5	19.7

455394 2002 YP_{15} 2 17.0 53.°07 2.°9/18.1 18

1 12	10 44.86	+ 9 17.0	1.435	2.215	19.3	19.8
1 22	10 35.14	+ 7 56.4	1.387	2.257	15.0	19.6
2 1	10 22.36	+ 6 46.7	1.362	2.298	10.0	19.4
2 11	10 7.77	+ 5 48.0	1.365	2.340	4.9	19.2
2 21	9 52.96	+ 4 59.6	1.398	2.381	3.3	19.2
3 2	9 39.54	+ 4 20.3	1.461	2.422	7.4	19.6
3 12	9 28.78	+ 3 47.4	1.552	2.463	11.6	19.9
3 22	9 21.26	+ 3 18.4	1.667	2.503	15.2	20.2

39952 1998 FM_{117} 2 17.0 274.°86 4.°4/13.8 17

1 12	10 28.60	+23 30.6	2.006	2.823	13.2	19.3
1 22	10 23.16	+24 4.0	1.912	2.806	10.2	19.1
2 1	10 15.16	+24 38.6	1.842	2.788	7.0	18.9
2 11	10 5.26	+25 7.6	1.799	2.770	4.6	18.7
2 21	9 54.46	+25 24.5	1.785	2.752	5.4	18.7
3 2	9 43.97	+25 24.9	1.800	2.733	8.6	18.8
3 12	9 34.98	+25 7.2	1.841	2.715	12.1	19.0
3 22	9 28.32	+24 32.6	1.904	2.696	15.3	19.2

327303 2005 TW_{154} 2 17.0 275.°05 1.°4/18.0 17

1 12	10 24.01	+ 7 20.3	1.838	2.634	15.1	21.2
1 22	10 19.69	+ 7 23.4	1.744	2.624	11.8	20.9
2 1	10 12.95	+ 7 40.5	1.671	2.614	7.9	20.7
2 11	10 4.42	+ 8 9.0	1.625	2.604	3.6	20.4
2 21	9 55.01	+ 8 44.6	1.607	2.594	2.0	20.2
3 2	9 45.86	+ 9 21.9	1.618	2.583	6.3	20.5
3 12	9 38.08	+ 9 55.5	1.655	2.573	10.6	20.7
3 22	9 32.48	+10 21.4	1.716	2.563	14.4	20.9

266776 2009 SF_{203} 2 17.0 60.°49 0.°7/17.6 18

1 12	10 21.46	+ 7 8.4	1.821	2.622	15.0	21.0
1 22	10 17.61	+ 7 43.3	1.744	2.628	11.6	20.8
2 1	10 11.51	+ 8 34.2	1.689	2.634	7.6	20.6
2 11	10 3.82	+ 9 36.8	1.660	2.640	3.1	20.3
2 21	9 55.46	+10 44.8	1.660	2.646	1.7	20.2
3 2	9 47.48	+11 51.1	1.688	2.653	6.1	20.5
3 12	9 40.90	+12 49.5	1.743	2.659	10.2	20.8
3 22	9 36.41	+13 35.6	1.821	2.666	13.8	21.0