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

155424 1997 BL_5 2 17.0 101°.92 0°.0/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 21.81	+ 8 50.8	1.995	2.795	13.9	20.2
1 22	10 17.69	+ 9 34.3	1.917	2.803	10.6	20.0
2 1	10 11.47	+10 31.4	1.863	2.810	6.8	19.8
2 11	10 3.79	+11 37.4	1.837	2.818	2.6	19.6
2 21	9 55.49	+12 46.2	1.839	2.826	1.7	19.5
3 2	9 47.56	+13 51.1	1.871	2.833	5.9	19.8
3 12	9 40.92	+14 46.7	1.930	2.841	9.8	20.0
3 22	9 36.23	+15 29.5	2.014	2.848	13.1	20.3

229130 2004 RR_{191} 2 17.0 138°.58 2°.8/19.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.26	+ 1 0.6	2.510	3.262	12.7	20.4
1 22	10 18.31	+ 1 7.3	2.426	3.275	10.1	20.3
2 1	10 11.64	+ 1 28.5	2.366	3.288	7.2	20.1
2 11	10 3.81	+ 2 2.3	2.334	3.299	4.2	19.9
2 21	9 55.49	+ 2 45.8	2.331	3.310	2.8	19.8
3 2	9 47.48	+ 3 34.8	2.359	3.321	4.9	20.0
3 12	9 40.52	+ 4 24.5	2.416	3.331	7.8	20.2
3 22	9 35.14	+ 5 10.9	2.499	3.340	10.6	20.4

289048 2004 TP_{168} 2 17.0 8°.38 5°.9/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.28	+22 54.6	1.376	2.216	16.8	19.8
1 22	10 22.97	+23 58.5	1.310	2.216	12.9	19.6
2 1	10 15.37	+25 6.2	1.266	2.216	8.8	19.3
2 11	10 5.40	+26 6.8	1.246	2.217	6.1	19.2
2 21	9 54.45	+26 50.1	1.252	2.218	7.3	19.3
3 2	9 44.18	+27 9.2	1.284	2.219	11.1	19.5
3 12	9 36.10	+27 2.2	1.339	2.221	15.2	19.7
3 22	9 31.11	+26 31.8	1.412	2.223	18.8	19.9

419265 2009 VU_{105} 2 17.0 145°.38 6°.0/11.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.04	+30 38.2	2.391	3.199	11.6	21.5
1 22	10 23.70	+31 36.0	2.328	3.209	9.2	21.4
2 1	10 15.17	+32 29.0	2.292	3.219	7.0	21.3
2 11	10 5.17	+33 10.3	2.283	3.228	6.0	21.2
2 21	9 54.64	+33 34.2	2.304	3.237	6.9	21.3
3 2	9 44.66	+33 37.9	2.353	3.245	9.0	21.4
3 12	9 36.17	+33 21.5	2.428	3.253	11.3	21.6
3 22	9 29.81	+32 47.4	2.525	3.260	13.5	21.8

433687 2014 WN_{18} 2 17.0 129°.20 2°.8/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.68	+17 52.8	1.950	2.767	13.5	21.3
1 22	10 20.72	+18 38.3	1.877	2.773	10.2	21.1
2 1	10 13.44	+19 29.8	1.829	2.780	6.5	20.9
2 11	10 4.56	+20 20.8	1.808	2.786	3.2	20.7
2 21	9 55.03	+21 4.8	1.816	2.792	3.9	20.8
3 2	9 45.96	+21 36.5	1.852	2.798	7.5	21.0
3 12	9 38.37	+21 53.0	1.915	2.804	11.0	21.2
3 22	9 32.96	+21 53.8	2.001	2.809	14.1	21.5

90444 2004 BQ_{95} 2 17.0 335°.53 1°.2/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.60	+10 15.4	1.903	2.701	14.6	18.5
1 22	10 21.54	+ 9 42.7	1.809	2.691	11.3	18.2
2 1	10 14.07	+ 9 18.1	1.738	2.682	7.5	18.0
2 11	10 4.85	+ 8 59.9	1.694	2.674	3.3	17.7
2 21	9 54.82	+ 8 45.6	1.679	2.665	1.9	17.6
3 2	9 45.11	+ 8 32.6	1.693	2.658	6.1	17.8
3 12	9 36.82	+ 8 18.2	1.734	2.651	10.3	18.1
3 22	9 30.73	+ 8 0.5	1.799	2.645	13.9	18.3

189507 2000 DY_7 2 17.0 143°.07 0°.1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.30	+ 9 5.7	1.750	2.548	15.6	21.0
1 22	10 22.13	+ 9 49.2	1.675	2.560	12.0	20.8
2 1	10 14.44	+10 47.9	1.624	2.570	7.7	20.6
2 11	10 4.97	+11 56.1	1.599	2.580	2.9	20.3
2 21	9 54.77	+13 6.7	1.603	2.590	2.0	20.2
3 2	9 45.06	+14 11.9	1.637	2.598	6.7	20.5
3 12	9 36.95	+15 5.9	1.698	2.606	11.0	20.8
3 22	9 31.20	+15 45.4	1.782	2.613	14.6	21.1

271136 2003 SW_{111} 2 17.0 210°.68 3°.1/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.36	− 0 3.2	2.437	3.190	13.0	21.6
1 22	10 17.07	+ 0 6.1	2.337	3.185	10.5	21.4
2 1	10 11.00	+ 0 31.5	2.260	3.180	7.6	21.2
2 11	10 3.63	+ 1 11.7	2.210	3.174	4.6	21.0
2 21	9 55.64	+ 2 3.5	2.189	3.168	3.1	20.9
3 2	9 47.84	+ 3 2.6	2.198	3.161	5.1	21.0
3 12	9 41.02	+ 4 3.6	2.236	3.154	8.2	21.2
3 22	9 35.79	+ 5 1.6	2.300	3.147	11.2	21.4

518652 2008 RB_{148} 2 17.0 152°.87 0°.5/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.36	+ 8 22.2	2.234	3.025	12.9	22.0
1 22	10 17.92	+ 8 47.3	2.149	3.028	9.9	21.8
2 1	10 11.55	+ 9 24.3	2.088	3.032	6.5	21.6
2 11	10 3.83	+10 9.7	2.055	3.035	2.6	21.4
2 21	9 55.53	+10 58.7	2.052	3.038	1.5	21.3
3 2	9 47.53	+11 46.5	2.078	3.041	5.3	21.5
3 12	9 40.69	+12 28.3	2.132	3.044	8.9	21.8
3 22	9 35.61	+13 1.1	2.211	3.046	12.0	22.0

80137 1999 TT_{25} 2 17.0 123°.74 2°.9/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 31.53	+17 1.9	1.560	2.377	16.3	19.7
1 22	10 25.59	+17 44.2	1.496	2.392	12.3	19.5
2 1	10 16.73	+18 34.2	1.454	2.406	7.8	19.3
2 11	10 5.85	+19 24.0	1.440	2.419	3.6	19.1
2 21	9 54.24	+20 5.6	1.453	2.432	4.2	19.1
3 2	9 43.36	+20 32.8	1.494	2.444	8.5	19.4
3 12	9 34.50	+20 42.7	1.562	2.456	12.7	19.7
3 22	9 28.45	+20 35.8	1.650	2.467	16.3	19.9

33264 Maryrogers 2 17.0 290°.52 0°.9/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.60	+12 49.5	2.318	3.123	12.0	19.4
1 22	10 16.64	+13 21.9	2.222	3.112	9.1	19.2
2 1	10 10.79	+14 3.2	2.151	3.101	5.8	19.0
2 11	10 3.57	+14 49.4	2.108	3.090	2.2	18.7
2 21	9 55.69	+15 35.7	2.095	3.079	2.1	18.7
3 2	9 48.03	+16 17.0	2.111	3.068	5.8	18.9
3 12	9 41.42	+16 49.5	2.154	3.057	9.3	19.1
3 22	9 36.52	+17 10.8	2.222	3.046	12.3	19.3

351542 2005 TY_6 2 17.0 179°.95 1°.5/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.97	+ 7 2.4	1.878	2.660	15.3	21.3
1 22	10 24.08	+ 7 4.2	1.790	2.662	12.0	21.1
2 1	10 15.69	+ 7 19.5	1.725	2.664	8.0	20.9
2 11	10 5.48	+ 7 45.8	1.687	2.664	3.7	20.6
2 21	9 54.44	+ 8 18.6	1.678	2.664	2.1	20.5
3 2	9 43.77	+ 8 52.9	1.699	2.662	6.2	20.8
3 12	9 34.62	+ 9 23.4	1.748	2.660	10.5	21.0
3 22	9 27.78	+ 9 46.8	1.821	2.657	14.1	21.2

290760 2005 UC_{509} 2 17.0 175°.12 4°.9/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.17	+21 23.9	1.690	2.513	15.0	21.4
1 22	10 23.87	+22 34.8	1.618	2.516	11.4	21.2
2 1	10 15.72	+23 50.6	1.569	2.518	7.7	20.9
2 11	10 5.52	+25 2.1	1.547	2.519	5.0	20.8
2 21	9 54.43	+26 0.1	1.554	2.520	6.1	20.8
3 2	9 43.86	+26 37.7	1.588	2.520	9.7	21.0
3 12	9 35.10	+26 52.3	1.647	2.519	13.4	21.3
3 22	9 29.02	+26 45.1	1.727	2.518	16.7	21.5

67356 2000 KD_{12} 2 17.0 93°.86 4°.2/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.09	− 2 41.7	2.305	3.049	13.9	19.6
1 22	10 16.87	− 2 50.1	2.221	3.058	11.4	19.5
2 1	10 10.84	− 2 41.1	2.159	3.067	8.5	19.3
2 11	10 3.56	− 2 15.3	2.122	3.076	5.7	19.1
2 21	9 55.74	− 1 35.3	2.114	3.085	4.2	19.1
3 2	9 48.22	− 0 45.1	2.135	3.093	5.6	19.2
3 12	9 41.79	+ 0 9.7	2.184	3.102	8.4	19.3
3 22	9 37.02	+ 1 4.1	2.258	3.111	11.2	19.5

184422 2005 NE_4 2 17.0 278°.77 2°.0/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.07	+ 5 56.8	1.753	2.547	15.8	21.0
1 22	10 19.86	+ 5 55.7	1.660	2.538	12.4	20.8
2 1	10 13.14	+ 6 10.3	1.588	2.528	8.4	20.5
2 11	10 4.56	+ 6 38.3	1.542	2.519	4.1	20.2
2 21	9 55.04	+ 7 15.5	1.524	2.510	2.4	20.1
3 2	9 45.79	+ 7 56.4	1.534	2.500	6.4	20.3
3 12	9 37.98	+ 8 35.0	1.570	2.491	10.8	20.5
3 22	9 32.44	+ 9 6.5	1.629	2.481	14.8	20.8

374608 2006 DT_{149} 2 17.0 116°.19 1°.6/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.59	+16 1.4	2.206	3.011	12.6	21.4
1 22	10 21.07	+16 20.1	2.132	3.021	9.5	21.2
2 1	10 13.50	+16 44.1	2.083	3.032	6.0	21.0
2 11	10 4.56	+17 9.0	2.061	3.042	2.5	20.8
2 21	9 55.11	+17 30.2	2.070	3.052	2.6	20.8
3 2	9 46.10	+17 44.0	2.109	3.062	6.1	21.0
3 12	9 38.44	+17 48.0	2.176	3.072	9.5	21.3
3 22	9 32.72	+17 41.5	2.266	3.081	12.5	21.5

329822 2004 RH_{176} 2 17.0 225°.96 4°.4/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.83	− 3 34.0	2.285	3.023	14.2	21.4
1 22	10 17.61	− 3 34.8	2.181	3.014	11.7	21.2
2 1	10 11.44	− 3 16.7	2.100	3.006	8.8	21.0
2 11	10 3.85	− 2 40.0	2.044	2.996	6.0	20.8
2 21	9 55.55	− 1 47.0	2.016	2.987	4.4	20.7
3 2	9 47.40	− 0 42.2	2.018	2.977	5.9	20.8
3 12	9 40.30	+ 0 28.2	2.048	2.966	8.9	20.9
3 22	9 34.90	+ 1 38.2	2.104	2.955	11.9	21.1

373905 2003 UC_{31} 2 17.0 139°.04 0°.1/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.07	+10 5.8	2.316	3.109	12.4	22.0
1 22	10 18.37	+10 29.2	2.234	3.116	9.5	21.8
2 1	10 11.79	+11 2.6	2.177	3.123	6.1	21.6
2 11	10 3.93	+11 42.3	2.148	3.129	2.4	21.4
2 21	9 55.53	+12 23.9	2.148	3.135	1.5	21.3
3 2	9 47.46	+13 2.9	2.179	3.141	5.3	21.6
3 12	9 40.52	+13 35.3	2.238	3.146	8.7	21.8
3 22	9 35.32	+13 58.7	2.322	3.151	11.7	22.0

284710 2008 TH_{105} 2 17.0 141°.02 3°.0/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.56	+ 1 51.5	1.771	2.544	16.5	21.7
1 22	10 21.53	+ 2 2.4	1.693	2.555	13.1	21.4
2 1	10 14.06	+ 2 33.0	1.636	2.565	9.1	21.2
2 11	10 4.86	+ 3 21.0	1.605	2.575	5.0	21.0
2 21	9 54.92	+ 4 21.4	1.601	2.584	3.1	20.9
3 2	9 45.42	+ 5 27.4	1.627	2.592	6.3	21.1
3 12	9 37.45	+ 6 31.9	1.681	2.600	10.3	21.4
3 22	9 31.77	+ 7 28.8	1.758	2.607	14.0	21.6

244614 2003 AQ_{50} 2 17.0 112°.61 7°.0/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.85	+34 17.4	2.629	3.440	10.6	20.1
1 22	10 19.83	+36 6.0	2.583	3.457	8.7	19.9
2 1	10 12.78	+37 48.2	2.564	3.473	7.3	19.9
2 11	10 4.32	+39 16.3	2.574	3.489	7.0	19.9
2 21	9 55.28	+40 24.2	2.612	3.505	8.1	20.0
3 2	9 46.61	+41 8.3	2.677	3.521	9.7	20.1
3 12	9 39.21	+41 28.6	2.766	3.535	11.5	20.3
3 22	9 33.70	+41 27.2	2.875	3.550	13.2	20.4

353818 2012 TF_{311} 2 17.0 167°.66 1°.4/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.29	+15 47.7	2.790	3.589	10.4	22.2
1 22	10 18.26	+16 18.0	2.706	3.593	7.8	22.0
2 1	10 11.60	+16 53.3	2.648	3.596	4.9	21.8
2 11	10 3.84	+17 29.6	2.619	3.600	2.1	21.6
2 21	9 55.61	+18 3.1	2.621	3.602	2.3	21.6
3 2	9 47.65	+18 30.2	2.654	3.605	5.2	21.8
3 12	9 40.67	+18 48.4	2.716	3.606	8.1	22.0
3 22	9 35.19	+18 56.6	2.803	3.608	10.6	22.2

5200 Pamal 2 17.0 292°.48 4°.0/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.49	+18 54.3	1.378	2.213	17.1	17.4
1 22	10 23.37	+19 34.5	1.291	2.197	13.2	17.1
2 1	10 15.88	+20 23.4	1.226	2.180	8.6	16.8
2 11	10 5.75	+21 12.2	1.185	2.163	4.5	16.5
2 21	9 54.28	+21 51.5	1.169	2.147	5.5	16.5
3 2	9 43.16	+22 13.1	1.180	2.130	10.2	16.8
3 12	9 34.06	+22 13.0	1.214	2.114	15.1	17.0
3 22	9 28.10	+21 51.6	1.268	2.098	19.4	17.2

168504 1999 TL_{15} 2 17.0 46°.17 0°.4/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.10	+ 8 48.2	1.352	2.173	18.2	20.7
1 22	10 20.19	+ 9 11.9	1.292	2.188	14.0	20.5
2 1	10 13.40	+ 9 53.0	1.253	2.203	9.0	20.2
2 11	10 4.63	+10 45.9	1.238	2.220	3.6	19.9
2 21	9 55.12	+11 42.8	1.249	2.236	2.1	19.9
3 2	9 46.32	+12 35.7	1.287	2.253	7.4	20.2
3 12	9 39.49	+13 17.8	1.349	2.271	12.2	20.6
3 22	9 35.38	+13 45.5	1.433	2.288	16.2	20.9

518368 2017 ED_{24} 2 17.0 279°.90 3°.6/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.16	+ 3 48.2	1.453	2.248	18.4	21.4
1 22	10 21.96	+ 3 25.9	1.364	2.240	14.7	21.2
2 1	10 14.76	+ 3 22.5	1.296	2.232	10.4	20.9
2 11	10 5.27	+ 3 37.1	1.251	2.224	5.7	20.6
2 21	9 54.62	+ 4 6.5	1.233	2.216	3.7	20.4
3 2	9 44.28	+ 4 44.8	1.241	2.208	7.6	20.6
3 12	9 35.71	+ 5 24.7	1.274	2.200	12.4	20.9
3 22	9 29.90	+ 6 0.0	1.329	2.192	16.8	21.1

158260 2001 TP_{148} 2 17.0 206°.21 2°.8/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.32	+16 13.7	1.817	2.631	14.5	21.1
1 22	10 22.33	+17 13.8	1.731	2.626	11.0	20.9
2 1	10 14.73	+18 23.8	1.670	2.621	7.0	20.6
2 11	10 5.18	+19 36.4	1.635	2.615	3.3	20.4
2 21	9 54.72	+20 43.3	1.630	2.608	4.1	20.4
3 2	9 44.57	+21 37.2	1.654	2.600	8.1	20.6
3 12	9 35.97	+22 13.4	1.704	2.592	12.2	20.9
3 22	9 29.76	+22 30.7	1.776	2.583	15.7	21.1

113597 2002 TZ_{50} 2 17.0 161°.37 2°.1/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.23	+16 2.2	2.212	3.017	12.5	21.0
1 22	10 20.91	+16 49.5	2.134	3.024	9.5	20.8
2 1	10 13.49	+17 43.7	2.080	3.030	6.0	20.6
2 11	10 4.62	+18 39.1	2.056	3.035	2.7	20.4
2 21	9 55.13	+19 29.9	2.061	3.040	3.1	20.4
3 2	9 46.02	+20 10.8	2.096	3.044	6.6	20.6
3 12	9 38.19	+20 38.6	2.160	3.048	10.0	20.8
3 22	9 32.32	+20 52.3	2.247	3.050	12.9	21.0

179920 2002 VQ_{48} 2 17.0 139°.28 0°.1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.60	+ 9 49.1	2.281	3.069	12.8	21.7
1 22	10 20.27	+10 24.8	2.204	3.083	9.7	21.5
2 1	10 13.00	+11 11.1	2.152	3.097	6.2	21.3
2 11	10 4.40	+12 3.9	2.129	3.110	2.4	21.1
2 21	9 55.29	+12 58.1	2.136	3.123	1.6	21.0
3 2	9 46.55	+13 48.4	2.174	3.134	5.4	21.3
3 12	9 39.03	+14 30.6	2.241	3.145	8.9	21.5
3 22	9 33.34	+15 2.2	2.333	3.155	11.9	21.8

160743 2000 RU_{84} 2 17.0 117°.71 0°.5/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.88	+ 9 15.4	1.584	2.390	16.6	20.4
1 22	10 22.09	+ 9 27.7	1.508	2.395	12.8	20.1
2 1	10 14.58	+ 9 54.5	1.454	2.401	8.3	19.9
2 11	10 5.12	+10 31.5	1.425	2.406	3.4	19.6
2 21	9 54.83	+11 12.8	1.424	2.411	2.0	19.5
3 2	9 45.05	+11 51.9	1.451	2.416	7.0	19.8
3 12	9 37.01	+12 23.1	1.504	2.421	11.5	20.1
3 22	9 31.53	+12 43.3	1.580	2.425	15.5	20.4

365166 2009 DG_{131} 2 17.0 260°.57 1°.0/17.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.21	+ 7 14.0	1.801	2.598	15.3	22.0
1 22	10 20.02	+ 7 35.0	1.700	2.582	12.0	21.7
2 1	10 13.33	+ 8 12.3	1.622	2.566	8.0	21.5
2 11	10 4.70	+ 9 2.6	1.570	2.549	3.5	21.1
2 21	9 55.06	+10 0.5	1.546	2.532	1.9	21.0
3 2	9 45.58	+10 59.2	1.550	2.515	6.6	21.3
3 12	9 37.46	+11 52.0	1.581	2.497	11.1	21.5
3 22	9 31.58	+12 34.1	1.635	2.480	15.1	21.7

341761 2007 VJ_{319} 2 17.0 226°.05 4°.0/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.92	− 2 18.8	2.492	3.233	13.1	21.1
1 22	10 16.72	− 2 29.0	2.392	3.228	10.7	20.9
2 1	10 10.79	− 2 23.4	2.316	3.223	8.0	20.7
2 11	10 3.61	− 2 2.3	2.265	3.219	5.4	20.6
2 21	9 55.83	− 1 27.6	2.243	3.214	4.0	20.5
3 2	9 48.23	− 0 43.0	2.250	3.208	5.4	20.5
3 12	9 41.59	+ 0 6.8	2.286	3.203	8.1	20.7
3 22	9 36.49	+ 0 56.9	2.347	3.197	10.9	20.9

360395 2002 EM_{117} 2 17.0 309°.20 1°.7/15.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.33	+12 50.3	1.386	2.218	17.2	21.9
1 22	10 19.30	+13 33.0	1.297	2.201	13.2	21.6
2 1	10 13.22	+14 31.9	1.229	2.184	8.4	21.3
2 11	10 4.75	+15 40.6	1.185	2.167	3.3	21.0
2 21	9 55.02	+16 49.8	1.167	2.151	3.4	20.9
3 2	9 45.54	+17 49.9	1.175	2.136	8.9	21.2
3 12	9 37.85	+18 33.2	1.207	2.121	14.0	21.4
3 22	9 33.02	+18 56.4	1.259	2.106	18.6	21.7

496350 2013 QU_{57} 2 17.0 141°.30 0°.3/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.16	+ 7 31.2	2.362	3.147	12.5	22.0
1 22	10 17.67	+ 8 21.5	2.281	3.157	9.6	21.8
2 1	10 11.37	+ 9 24.6	2.224	3.167	6.2	21.6
2 11	10 3.81	+10 36.4	2.196	3.176	2.5	21.4
2 21	9 55.73	+11 51.4	2.199	3.185	1.4	21.3
3 2	9 47.94	+13 3.7	2.232	3.194	5.2	21.6
3 12	9 41.24	+14 8.2	2.294	3.202	8.6	21.8
3 22	9 36.21	+15 1.3	2.382	3.209	11.5	22.0

139239 2001 HL_{23} 2 17.0 250°.66 0°.1/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.75	+ 9 29.4	1.971	2.768	14.2	21.5
1 22	10 20.24	+ 9 57.7	1.868	2.751	11.0	21.2
2 1	10 13.37	+10 39.6	1.788	2.734	7.1	21.0
2 11	10 4.70	+11 31.2	1.736	2.717	2.8	20.7
2 21	9 55.09	+12 27.0	1.712	2.699	1.8	20.5
3 2	9 45.63	+13 20.6	1.718	2.680	6.4	20.8
3 12	9 37.42	+14 6.4	1.752	2.661	10.6	21.0
3 22	9 31.30	+14 40.6	1.809	2.642	14.4	21.2

79427 1997 SC_{3} 2 17.0 130°.82 1°.4/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.89	+14 22.1	2.138	2.940	13.0	20.2
1 22	10 21.38	+14 53.9	2.066	2.954	9.8	20.0
2 1	10 13.76	+15 33.1	2.018	2.967	6.2	19.8
2 11	10 4.73	+16 14.8	1.998	2.979	2.4	19.5
2 21	9 55.15	+16 53.6	2.008	2.991	2.5	19.6
3 2	9 46.02	+17 24.9	2.048	3.003	6.2	19.8
3 12	9 38.26	+17 45.5	2.116	3.013	9.7	20.1
3 22	9 32.49	+17 54.2	2.209	3.024	12.7	20.3

403098 2008 CW_{122} 2 17.0 82°.27 0°.3/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.05	+ 5 56.7	1.741	2.534	15.9	20.9
1 22	10 20.24	+ 7 9.2	1.684	2.565	12.2	20.7
2 1	10 13.12	+ 8 39.6	1.651	2.595	7.8	20.5
2 11	10 4.48	+10 21.3	1.644	2.625	3.1	20.3
2 21	9 55.33	+12 5.2	1.667	2.654	1.8	20.2
3 2	9 46.78	+13 42.4	1.720	2.682	6.3	20.6
3 12	9 39.83	+15 5.9	1.800	2.710	10.4	20.9
3 22	9 35.10	+16 11.8	1.905	2.738	13.7	21.2

151211 2001 YX_{45} 2 17.0 120°.87 1°.3/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.61	+13 52.6	2.196	2.998	12.7	20.6
1 22	10 20.34	+14 33.9	2.126	3.015	9.6	20.5
2 1	10 13.07	+15 23.1	2.082	3.031	6.0	20.3
2 11	10 4.45	+16 15.0	2.066	3.047	2.4	20.1
2 21	9 55.33	+17 4.2	2.079	3.062	2.5	20.1
3 2	9 46.65	+17 45.5	2.123	3.077	6.1	20.3
3 12	9 39.27	+18 15.7	2.195	3.091	9.5	20.6
3 22	9 33.80	+18 33.3	2.292	3.105	12.4	20.8

345547 2006 QB_{184} 2 17.0 177°.95 0°.1/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 21.69	+10 47.2	2.610	3.401	11.2	22.0
1 22	10 17.19	+11 9.5	2.521	3.402	8.6	21.9
2 1	10 11.01	+11 40.2	2.457	3.403	5.5	21.7
2 11	10 3.67	+12 16.2	2.422	3.403	2.1	21.4
2 21	9 55.83	+12 53.5	2.417	3.403	1.4	21.4
3 2	9 48.23	+13 28.4	2.443	3.403	4.9	21.6
3 12	9 41.61	+13 57.3	2.497	3.403	8.0	21.8
3 22	9 36.51	+14 18.1	2.577	3.402	10.8	22.0

375044 2007 JZ_{23} 2 17.0 27°.25 3°.2/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.77	+ 1 31.0	1.915	2.690	15.3	21.3
1 22	10 17.83	+ 1 32.1	1.829	2.691	12.3	21.1
2 1	10 11.70	+ 1 51.3	1.764	2.692	8.7	20.9
2 11	10 4.01	+ 2 27.1	1.725	2.693	5.0	20.7
2 21	9 55.61	+ 3 15.7	1.714	2.695	3.3	20.5
3 2	9 47.51	+ 4 11.5	1.730	2.696	5.9	20.7
3 12	9 40.71	+ 5 8.2	1.774	2.697	9.7	20.9
3 22	9 35.91	+ 6 0.1	1.843	2.699	13.1	21.1

85184 1991 JG_{1} 2 17.0 334°.05 53°.7/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	9 30.71	−64 59.9	0.720	1.220	53.7	20.0
1 22	9 38.08	−70 23.8	0.708	1.197	55.3	20.0
2 1	9 44.58	−74 56.9	0.690	1.176	56.8	19.9
2 11	9 52.11	−78 44.4	0.662	1.158	58.3	19.8
2 21	10 5.12	−81 52.0	0.623	1.143	59.8	19.7
3 2	10 36.29	−84 20.1	0.573	1.131	61.1	19.5
3 12	11 57.37	−85 53.7	0.512	1.124	62.1	19.3
3 22	14 8.63	−85 35.4	0.442	1.121	62.4	19.0

295799 2008 UY_{279} 2 17.0 332°.32 0°.4/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.16	+ 9 4.7	1.114	1.956	19.8	20.5
1 22	10 17.41	+ 9 19.8	1.031	1.939	15.5	20.2
2 1	10 12.29	+ 9 56.5	0.967	1.922	10.2	19.8
2 11	10 4.48	+10 50.5	0.925	1.907	4.1	19.4
2 21	9 55.23	+11 53.4	0.906	1.893	2.5	19.2
3 2	9 46.30	+12 54.8	0.910	1.880	8.9	19.6
3 12	9 39.43	+13 44.6	0.936	1.869	14.9	19.8
3 22	9 35.82	+14 16.8	0.981	1.859	20.1	20.1

163590 2002 TN_{192} 2 17.0 72°.62 3°.9/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.56	+23 32.4	2.139	2.954	12.6	19.5
1 22	10 22.67	+23 55.8	2.072	2.964	9.6	19.3
2 1	10 14.58	+24 18.7	2.029	2.975	6.4	19.1
2 11	10 5.04	+24 35.4	2.014	2.986	4.1	19.0
2 21	9 55.00	+24 41.1	2.029	2.996	4.7	19.0
3 2	9 45.54	+24 32.9	2.073	3.007	7.6	19.2
3 12	9 37.59	+24 10.3	2.143	3.018	10.6	19.4
3 22	9 31.78	+23 34.6	2.237	3.029	13.3	19.6

343655 2010 KN_{36} 2 17.1 278°.91 5°.7/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.57	+27 38.4	2.286	3.108	11.6	20.5
1 22	10 19.13	+28 47.4	2.205	3.097	9.1	20.3
2 1	10 12.52	+29 55.9	2.149	3.086	6.8	20.1
2 11	10 4.33	+30 56.3	2.121	3.075	5.7	20.0
2 21	9 55.41	+31 42.1	2.121	3.064	6.7	20.1
3 2	9 46.79	+32 8.5	2.149	3.052	9.1	20.2
3 12	9 39.44	+32 14.0	2.201	3.041	11.8	20.3
3 22	9 34.08	+31 59.6	2.276	3.030	14.2	20.5

276841 2004 RR_{18} 2 17.1 210°.66 0°.5/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.14	+12 17.1	2.341	3.136	12.3	21.3
1 22	10 20.06	+12 39.1	2.247	3.130	9.4	21.1
2 1	10 12.99	+13 9.5	2.177	3.124	6.0	20.8
2 11	10 4.48	+13 44.7	2.136	3.117	2.2	20.6
2 21	9 55.32	+14 20.1	2.124	3.110	1.8	20.5
3 2	9 46.40	+14 51.4	2.144	3.102	5.6	20.8
3 12	9 38.61	+15 15.0	2.191	3.094	9.2	21.0
3 22	9 32.61	+15 28.9	2.263	3.085	12.3	21.2

433138 2012 TN_{221} 2 17.1 150°.03 3°.2/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.54	+21 20.7	2.408	3.221	11.4	21.7
1 22	10 19.52	+21 58.4	2.331	3.224	8.6	21.6
2 1	10 12.57	+22 38.1	2.279	3.227	5.7	21.4
2 11	10 4.29	+23 14.5	2.256	3.229	3.4	21.2
2 21	9 55.48	+23 42.7	2.262	3.232	4.1	21.3
3 2	9 47.04	+23 59.0	2.298	3.234	6.8	21.5
3 12	9 39.81	+24 1.6	2.361	3.236	9.8	21.7
3 22	9 34.37	+23 50.4	2.448	3.238	12.4	21.8

335977 2007 TB_{225} 2 17.1 139°.78 0°.3/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.07	+ 9 54.2	2.807	3.594	10.7	21.9
1 22	10 16.57	+10 43.5	2.727	3.606	8.1	21.7
2 1	10 10.55	+11 42.2	2.672	3.618	5.1	21.6
2 11	10 3.50	+12 46.2	2.647	3.629	1.9	21.3
2 21	9 56.01	+13 51.1	2.654	3.639	1.4	21.3
3 2	9 48.78	+14 52.3	2.691	3.649	4.6	21.6
3 12	9 42.46	+15 45.8	2.758	3.659	7.6	21.8
3 22	9 37.54	+16 29.2	2.851	3.668	10.1	21.9

209614 2005 AP_{10} 2 17.1 23°.01 5°.1/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 25.64	+20 48.3	1.409	2.249	16.6	19.6
1 22	10 21.63	+21 54.6	1.344	2.251	12.6	19.4
2 1	10 14.52	+23 7.2	1.301	2.254	8.4	19.1
2 11	10 5.17	+24 15.8	1.282	2.256	5.3	18.9
2 21	9 54.90	+25 10.1	1.290	2.260	6.5	19.0
3 2	9 45.27	+25 42.8	1.323	2.263	10.4	19.2
3 12	9 37.68	+25 50.8	1.380	2.267	14.5	19.5
3 22	9 33.00	+25 35.8	1.457	2.271	18.1	19.7

294241 2007 UB_{41} 2 17.1 47°.32 4°.9/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.04	+25 24.6	2.133	2.955	12.3	20.4
1 22	10 20.16	+26 14.1	2.064	2.959	9.5	20.3
2 1	10 13.09	+27 2.9	2.021	2.964	6.7	20.1
2 11	10 4.51	+27 44.3	2.005	2.969	4.9	20.0
2 21	9 55.36	+28 12.4	2.017	2.974	5.8	20.1
3 2	9 46.67	+28 23.3	2.057	2.979	8.5	20.2
3 12	9 39.42	+28 15.9	2.123	2.984	11.3	20.4
3 22	9 34.24	+27 51.5	2.211	2.989	13.9	20.6

194455 2001 VO_{120} 2 17.1 49°.82 4°.9/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.82	+19 8.9	1.198	2.043	18.5	19.2
1 22	10 22.64	+20 19.2	1.152	2.062	13.9	19.0
2 1	10 15.13	+21 36.9	1.126	2.082	9.0	18.8
2 11	10 5.35	+22 50.2	1.125	2.102	5.2	18.6
2 21	9 54.85	+23 48.1	1.149	2.123	6.3	18.7
3 2	9 45.34	+24 22.8	1.198	2.143	10.6	19.0
3 12	9 38.22	+24 32.2	1.269	2.165	14.9	19.3
3 22	9 34.26	+24 18.4	1.360	2.186	18.6	19.6

169121 2001 PJ_{16} 2 17.1 131°.68 1°.1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.42	+14 30.0	2.615	3.414	11.0	20.7
1 22	10 18.43	+14 58.1	2.538	3.425	8.3	20.6
2 1	10 11.76	+15 32.1	2.486	3.435	5.2	20.4
2 11	10 3.96	+16 8.1	2.464	3.445	2.0	20.2
2 21	9 55.72	+16 42.1	2.472	3.455	2.1	20.2
3 2	9 47.80	+17 10.2	2.511	3.465	5.2	20.4
3 12	9 40.94	+17 29.9	2.578	3.474	8.2	20.6
3 22	9 35.65	+17 39.7	2.670	3.482	10.9	20.8

465143 2007 BC_{59} 2 17.1 51°.30 4°.1/13.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.82	+17 51.7	1.557	2.391	15.5	21.3
1 22	10 19.07	+19 17.3	1.499	2.405	11.6	21.1
2 1	10 12.66	+20 51.5	1.465	2.419	7.5	20.9
2 11	10 4.41	+22 24.5	1.456	2.433	4.3	20.7
2 21	9 55.45	+23 46.1	1.475	2.448	5.4	20.8
3 2	9 47.08	+24 48.3	1.522	2.462	9.2	21.1
3 12	9 40.48	+25 27.3	1.592	2.478	13.0	21.3
3 22	9 36.38	+25 43.1	1.683	2.493	16.3	21.6

137029 1998 TB_{19} 2 17.1 125°.73 1°.3/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.76	+13 57.3	2.186	2.984	12.9	21.8
1 22	10 21.96	+14 33.3	2.117	3.003	9.7	21.7
2 1	10 14.11	+15 16.8	2.073	3.022	6.1	21.5
2 11	10 4.88	+16 2.8	2.058	3.039	2.4	21.2
2 21	9 55.15	+16 46.0	2.073	3.056	2.4	21.3
3 2	9 45.91	+17 21.6	2.118	3.072	6.0	21.5
3 12	9 38.02	+17 46.4	2.192	3.087	9.5	21.8
3 22	9 32.11	+17 59.2	2.290	3.102	12.4	22.0

262807 2007 AU 2 17.1 57°.94 1°.6/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.09	+12 46.6	1.640	2.461	15.5	20.7
1 22	10 19.11	+13 38.5	1.574	2.472	11.7	20.5
2 1	10 12.63	+14 43.0	1.530	2.483	7.4	20.2
2 11	10 4.40	+15 53.1	1.512	2.494	2.8	20.0
2 21	9 55.47	+17 0.6	1.522	2.506	3.0	20.0
3 2	9 47.07	+17 58.3	1.560	2.517	7.4	20.3
3 12	9 40.30	+18 40.7	1.624	2.529	11.6	20.6
3 22	9 35.89	+19 6.0	1.709	2.541	15.1	20.8

296591 2009 RZ_{31} 2 17.1 23°.09 1°.8/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.90	+ 6 45.6	1.412	2.227	17.8	20.2
1 22	10 18.48	+ 6 43.9	1.347	2.237	13.9	20.0
2 1	10 12.35	+ 7 0.0	1.302	2.248	9.3	19.7
2 11	10 4.31	+ 7 30.3	1.281	2.259	4.3	19.5
2 21	9 55.54	+ 8 9.4	1.286	2.272	2.3	19.4
3 2	9 47.35	+ 8 50.4	1.317	2.286	6.9	19.7
3 12	9 40.97	+ 9 26.6	1.373	2.300	11.5	20.0
3 22	9 37.14	+ 9 53.5	1.450	2.315	15.5	20.3

247998 2004 DS_{46} 2 17.1 304°.92 1°.2/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.55	+ 8 58.2	2.121	2.912	13.5	20.1
1 22	10 19.84	+ 8 43.5	2.021	2.899	10.5	19.9
2 1	10 12.99	+ 8 38.3	1.944	2.886	7.0	19.7
2 11	10 4.55	+ 8 40.6	1.895	2.873	3.1	19.4
2 21	9 55.34	+ 8 47.6	1.875	2.861	1.8	19.3
3 2	9 46.36	+ 8 55.8	1.884	2.848	5.6	19.5
3 12	9 38.57	+ 9 1.9	1.920	2.836	9.5	19.7
3 22	9 32.70	+ 9 3.2	1.982	2.824	12.9	19.9

500561 2012 US_{56} 2 17.1 237°.84 4°.7/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 24.71	+26 31.8	2.492	3.308	11.0	21.4
1 22	10 19.74	+27 23.0	2.411	3.301	8.5	21.2
2 1	10 12.78	+28 13.3	2.356	3.295	6.1	21.0
2 11	10 4.42	+28 56.6	2.329	3.288	4.8	20.9
2 21	9 55.46	+29 27.6	2.331	3.281	5.6	21.0
3 2	9 46.81	+29 42.4	2.362	3.274	8.0	21.1
3 12	9 39.35	+29 39.9	2.419	3.267	10.5	21.3
3 22	9 33.73	+29 20.8	2.498	3.260	12.9	21.4

330129 2005 YN_{83} 2 17.1 211°.15 3°.0/13.9 17

1 12	10 22.53	+17 25.8	2.257	3.071	12.0	20.8
1 22	10 18.25	+18 42.5	2.171	3.067	9.1	20.6
2 1	10 11.93	+20 7.0	2.111	3.062	5.8	20.4
2 11	10 4.13	+21 32.8	2.079	3.056	3.2	20.2
2 21	9 55.63	+22 52.4	2.078	3.050	4.1	20.3
3 2	9 47.34	+23 59.6	2.106	3.044	7.3	20.5
3 12	9 40.21	+24 50.2	2.162	3.038	10.5	20.7
3 22	9 34.91	+25 22.7	2.241	3.031	13.4	20.8

239459 2007 TO_{278} 2 17.1 327°.02 0°.9/16.3 18

1 12	10 22.83	+13 32.8	2.045	2.855	13.3	20.1
1 22	10 18.57	+13 52.3	1.958	2.850	10.1	19.9
2 1	10 12.16	+14 20.2	1.895	2.845	6.4	19.6
2 11	10 4.22	+14 52.3	1.859	2.841	2.4	19.4
2 21	9 55.59	+15 23.7	1.851	2.836	2.2	19.4
3 2	9 47.27	+15 49.6	1.873	2.832	6.2	19.6
3 12	9 40.23	+16 6.3	1.922	2.828	10.0	19.8
3 22	9 35.16	+16 12.1	1.994	2.825	13.3	20.0

145272 2005 JE_{139} 2 17.1 177°.75 7°.5/27.3 18

1 12	10 19.66	−19 8.6	2.999	3.616	13.4	21.1
1 22	10 15.57	−19 24.0	2.899	3.617	11.9	20.9
2 1	10 9.98	−19 18.2	2.817	3.618	10.3	20.8
2 11	10 3.32	−18 49.8	2.758	3.619	8.7	20.7
2 21	9 56.18	−17 59.1	2.724	3.619	7.7	20.6
3 2	9 49.21	−16 48.6	2.718	3.619	7.5	20.6
3 12	9 43.07	−15 23.0	2.739	3.618	8.4	20.7
3 22	9 38.26	−13 48.5	2.787	3.618	9.9	20.8

95680 2002 HU_{2} 2 17.1 67°.24 2°.0/15.4 18

1 12	10 22.51	+14 28.8	1.898	2.715	13.8	19.6
1 22	10 18.44	+15 21.2	1.823	2.720	10.5	19.3
2 1	10 12.12	+16 23.4	1.772	2.725	6.6	19.1
2 11	10 4.21	+17 29.2	1.749	2.730	2.8	18.9
2 21	9 55.63	+18 31.5	1.753	2.735	3.2	18.9
3 2	9 47.45	+19 23.8	1.787	2.740	7.1	19.2
3 12	9 40.66	+20 1.7	1.847	2.745	10.8	19.4
3 22	9 35.97	+20 23.6	1.929	2.750	14.1	19.6

353222 2009 YD_{7} 2 17.1 1°.69 0°.6/13.1 18

1 12	10 4.83	+22 58.3	15.644	16.454	2.0	22.1
1 22	10 3.46	+23 15.0	15.587	16.478	1.5	22.0
2 1	10 1.86	+23 31.7	15.557	16.503	1.0	22.0
2 11	10 0.12	+23 47.8	15.558	16.527	0.7	22.0
2 21	9 58.32	+24 2.6	15.589	16.552	0.8	22.0
3 2	9 56.56	+24 15.8	15.651	16.576	1.3	22.0
3 12	9 54.92	+24 27.0	15.741	16.601	1.8	22.1
3 22	9 53.50	+24 35.8	15.858	16.625	2.2	22.2

89331 2001 VX_{47} 2 17.1 349°.24 5°.6/13.6 18

1 12	10 24.97	+21 8.1	1.249	2.097	17.7	18.4
1 22	10 21.56	+22 10.8	1.181	2.093	13.6	18.1
2 1	10 14.74	+23 20.4	1.135	2.089	9.1	17.9
2 11	10 5.36	+24 25.8	1.111	2.086	5.8	17.7
2 21	9 54.87	+25 15.8	1.113	2.084	7.1	17.7
3 2	9 45.02	+25 41.9	1.139	2.082	11.4	18.0
3 12	9 37.41	+25 41.3	1.187	2.081	15.9	18.2
3 22	9 33.02	+25 15.8	1.254	2.081	19.8	18.5

240019 2001 TM_{241} 2 17.1 223°.20 4°.3/12.7 18

1 12	10 23.73	+24 30.7	2.396	3.214	11.3	20.6
1 22	10 19.03	+25 23.3	2.318	3.212	8.7	20.5
2 1	10 12.34	+26 16.5	2.267	3.210	6.0	20.3
2 11	10 4.27	+27 4.1	2.243	3.208	4.4	20.2
2 21	9 55.61	+27 40.5	2.248	3.206	5.3	20.2
3 2	9 47.29	+28 1.7	2.283	3.204	7.8	20.4
3 12	9 40.17	+28 6.0	2.343	3.201	10.5	20.5
3 22	9 34.89	+27 54.0	2.426	3.199	13.0	20.7

333243 2012 HA_{67} 2 17.1 2°.10 8°.5/10.3 18

1 12	10 23.54	+28 23.8	1.439	2.285	15.9	19.9
1 22	10 20.20	+30 3.5	1.380	2.284	12.6	19.7
2 1	10 13.71	+31 41.9	1.343	2.283	9.6	19.6
2 11	10 4.92	+33 6.3	1.331	2.284	8.5	19.5
2 21	9 55.18	+34 5.6	1.344	2.285	10.0	19.6
3 2	9 46.07	+34 33.0	1.381	2.286	13.0	19.8
3 12	9 39.05	+34 27.9	1.439	2.289	16.3	20.0
3 22	9 34.99	+33 54.2	1.515	2.292	19.3	20.2

273366 2006 UY_{219} 2 17.1 103°.87 5°.5/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.95	− 6 47.1	1.932	2.663	16.7	21.5
1 22	10 18.62	− 6 39.0	1.855	2.679	13.8	21.4
2 1	10 12.16	− 6 6.1	1.799	2.696	10.6	21.2
2 11	10 4.21	− 5 9.1	1.767	2.712	7.4	21.0
2 21	9 55.66	− 3 51.8	1.762	2.728	5.6	21.0
3 2	9 47.52	− 2 20.9	1.786	2.743	6.7	21.1
3 12	9 40.73	− 0 44.8	1.838	2.758	9.5	21.3
3 22	9 35.94	+ 0 48.4	1.915	2.773	12.6	21.5

242032 2002 QH_{120} 2 17.1 45°.10 3°.1/14.9 18

1 12	10 28.11	+20 44.5	1.976	2.792	13.4	20.5
1 22	10 22.55	+21 0.0	1.904	2.798	10.2	20.3
2 1	10 14.64	+21 17.4	1.855	2.804	6.6	20.1
2 11	10 5.15	+21 31.0	1.834	2.810	3.5	19.9
2 21	9 55.07	+21 36.0	1.841	2.817	4.1	19.9
3 2	9 45.54	+21 29.1	1.878	2.823	7.4	20.2
3 12	9 37.57	+21 9.1	1.941	2.830	10.9	20.4
3 22	9 31.83	+20 36.7	2.027	2.837	13.9	20.6

236171 2005 VK_{14} 2 17.1 57°.97 0°.3/16.9 18

1 12	10 26.32	+ 9 41.5	1.211	2.038	19.5	20.7
1 22	10 22.14	+10 19.0	1.159	2.058	14.9	20.5
2 1	10 14.79	+11 15.0	1.127	2.079	9.4	20.3
2 11	10 5.27	+12 21.9	1.118	2.100	3.5	20.0
2 21	9 55.02	+13 30.0	1.135	2.122	2.5	20.0
3 2	9 45.64	+14 29.8	1.178	2.143	8.2	20.4
3 12	9 38.51	+15 14.5	1.245	2.165	13.2	20.7
3 22	9 34.39	+15 41.3	1.333	2.186	17.3	21.0

306139 2010 JG_{174} 2 17.1 180°.97 0°.6/17.5 18

1 12	10 24.91	+ 7 14.9	1.814	2.608	15.3	21.7
1 22	10 20.40	+ 7 54.4	1.728	2.609	11.8	21.5
2 1	10 13.47	+ 8 50.6	1.666	2.610	7.7	21.2
2 11	10 4.78	+ 9 59.1	1.630	2.610	3.2	21.0
2 21	9 55.27	+11 13.2	1.623	2.610	1.8	20.9
3 2	9 46.09	+12 25.3	1.645	2.609	6.4	21.2
3 12	9 38.35	+13 28.6	1.694	2.607	10.7	21.4
3 22	9 32.82	+14 18.8	1.767	2.605	14.4	21.6

367521 2009 PW_{16} 2 17.1 139°.90 0°.1/16.9 18

1 12	10 25.63	+10 54.1	2.218	3.010	12.9	21.6
1 22	10 20.40	+11 15.4	2.139	3.020	9.9	21.4
2 1	10 13.18	+11 46.3	2.084	3.030	6.3	21.2
2 11	10 4.58	+12 22.8	2.058	3.039	2.4	20.9
2 21	9 55.43	+13 0.4	2.061	3.048	1.6	20.9
3 2	9 46.66	+13 34.6	2.095	3.056	5.5	21.2
3 12	9 39.14	+14 1.5	2.157	3.063	9.1	21.4
3 22	9 33.49	+14 19.0	2.244	3.071	12.2	21.6

197778 2004 PJ_{46} 2 17.1 228°.08 2°.0/18.4 18

1 12	10 27.92	+ 6 9.3	1.729	2.518	16.2	20.9
1 22	10 22.92	+ 6 6.0	1.634	2.509	12.8	20.6
2 1	10 15.23	+ 6 18.1	1.561	2.500	8.7	20.3
2 11	10 5.52	+ 6 43.4	1.514	2.490	4.2	20.1
2 21	9 54.78	+ 7 17.8	1.495	2.480	2.4	19.9
3 2	9 44.29	+ 7 55.7	1.504	2.469	6.7	20.2
3 12	9 35.32	+ 8 31.1	1.540	2.458	11.2	20.4
3 22	9 28.78	+ 8 59.6	1.600	2.446	15.3	20.6

93260 2000 SB_{168} 2 17.1 55°.12 5°.7/21.7 18

1 12	10 22.89	− 3 58.7	1.739	2.494	17.4	19.3
1 22	10 18.78	− 4 22.6	1.668	2.509	14.4	19.1
2 1	10 12.35	− 4 23.7	1.617	2.524	10.9	18.9
2 11	10 4.31	− 4 1.9	1.590	2.540	7.5	18.8
2 21	9 55.63	− 3 20.0	1.588	2.556	5.7	18.7
3 2	9 47.41	− 2 23.5	1.614	2.573	7.1	18.8
3 12	9 40.67	− 1 19.9	1.667	2.589	10.2	19.0
3 22	9 36.12	− 0 16.5	1.743	2.606	13.4	19.3

346072 2007 UQ_{96} 2 17.1 193°.01 0°.2/17.3 17

1 12	10 21.78	+ 9 22.4	2.908	3.689	10.5	22.5
1 22	10 17.14	+ 9 46.9	2.812	3.687	8.0	22.3
2 1	10 10.97	+10 20.0	2.742	3.685	5.2	22.2
2 11	10 3.73	+10 58.9	2.701	3.681	2.1	21.9
2 21	9 56.00	+11 40.2	2.691	3.678	1.2	21.9
3 2	9 48.46	+12 20.0	2.712	3.674	4.4	22.1
3 12	9 41.78	+12 55.2	2.763	3.669	7.4	22.3
3 22	9 36.45	+13 23.2	2.840	3.664	10.0	22.4

450408 2005 TM_{46} 2 17.1 169°.30 0°.6/17.5 18

1 12	10 26.41	+ 7 30.4	1.641	2.440	16.5	22.0
1 22	10 21.77	+ 8 5.2	1.560	2.444	12.7	21.8
2 1	10 14.46	+ 8 57.6	1.501	2.446	8.3	21.5
2 11	10 5.20	+10 2.9	1.468	2.448	3.4	21.2
2 21	9 55.06	+11 13.9	1.463	2.450	1.9	21.1
3 2	9 45.32	+12 22.5	1.487	2.451	6.9	21.4
3 12	9 37.21	+13 21.6	1.537	2.452	11.5	21.7
3 22	9 31.58	+14 6.8	1.610	2.452	15.4	21.9

267034 1997 AC_{25} 2 17.1 0°.12 8°.5/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 19.86	− 9 41.3	1.678	2.410	18.8	19.8
1 22	10 16.78	−10 26.4	1.593	2.408	16.2	19.6
2 1	10 11.28	−10 44.9	1.526	2.407	13.2	19.4
2 11	10 3.99	−10 33.8	1.481	2.407	10.3	19.2
2 21	9 55.83	− 9 53.8	1.459	2.408	8.6	19.1
3 2	9 47.96	− 8 48.9	1.463	2.409	9.1	19.1
3 12	9 41.51	− 7 27.7	1.492	2.410	11.5	19.3
3 22	9 37.30	− 5 59.7	1.544	2.412	14.5	19.5

352663 2008 RZ_{16} 2 17.1 97°.13 3°.9/19.9 18

1 12	10 25.07	+ 0 13.6	1.496	2.278	18.6	21.4
1 22	10 20.83	+ 0 21.6	1.424	2.290	14.9	21.2
2 1	10 13.86	+ 0 53.8	1.373	2.301	10.6	21.0
2 11	10 4.96	+ 1 48.3	1.345	2.313	6.1	20.7
2 21	9 55.24	+ 2 59.4	1.343	2.325	3.9	20.6
3 2	9 46.05	+ 4 18.6	1.369	2.336	7.0	20.8
3 12	9 38.61	+ 5 36.7	1.421	2.347	11.3	21.1
3 22	9 33.73	+ 6 46.2	1.496	2.358	15.3	21.4

251570 2009 ES_{22} 2 17.1 242°.35 0°.8/16.4 16

1 12	10 26.04	+12 6.3	1.893	2.698	14.4	21.7
1 22	10 21.33	+12 37.4	1.797	2.685	11.0	21.4
2 1	10 14.15	+13 20.2	1.723	2.672	7.1	21.1
2 11	10 5.10	+14 9.9	1.676	2.658	2.7	20.8
2 21	9 55.11	+15 0.5	1.659	2.644	2.3	20.8
3 2	9 45.33	+15 45.6	1.670	2.629	6.8	21.0
3 12	9 36.92	+16 20.1	1.708	2.614	11.1	21.2
3 22	9 30.72	+16 41.2	1.770	2.598	14.8	21.4

384749 2011 PL_{4} 2 17.1 175°.14 3°.0/20.2 17

1 12	10 21.60	+ 0 20.9	2.810	3.555	11.6	21.7
1 22	10 17.04	+ 0 14.8	2.714	3.557	9.4	21.5
2 1	10 10.92	+ 0 21.5	2.643	3.558	6.8	21.4
2 11	10 3.73	+ 0 40.0	2.598	3.559	4.2	21.2
2 21	9 56.05	+ 1 8.2	2.584	3.560	3.0	21.1
3 2	9 48.57	+ 1 43.0	2.600	3.561	4.6	21.2
3 12	9 41.96	+ 2 20.5	2.645	3.561	7.2	21.4
3 22	9 36.73	+ 2 57.2	2.717	3.560	9.8	21.6

138163 2000 EK_{93} 2 17.1 4°.88 8°.2/24.0 18

1 12	10 18.35	− 9 52.1	1.485	2.230	20.3	18.7
1 22	10 15.89	−10 10.0	1.403	2.229	17.4	18.5
2 1	10 10.84	− 9 55.5	1.339	2.230	14.0	18.3
2 11	10 3.84	− 9 6.1	1.295	2.231	10.6	18.1
2 21	9 55.94	− 7 44.1	1.275	2.233	8.4	18.0
3 2	9 48.37	− 5 56.9	1.280	2.235	9.0	18.0
3 12	9 42.39	− 3 56.1	1.310	2.238	11.9	18.2
3 22	9 38.83	− 1 54.4	1.363	2.242	15.4	18.4

400247 2007 PA_{24} 2 17.1 179°.41 2°.3/18.9 18

1 12	10 27.12	+ 3 55.7	2.065	2.834	14.5	22.3
1 22	10 21.78	+ 4 1.1	1.974	2.837	11.5	22.0
2 1	10 14.23	+ 4 21.7	1.906	2.838	7.9	21.8
2 11	10 5.07	+ 4 55.4	1.866	2.838	4.1	21.6
2 21	9 55.18	+ 5 38.4	1.854	2.838	2.5	21.5
3 2	9 45.59	+ 6 25.6	1.873	2.837	5.7	21.7
3 12	9 37.29	+ 7 11.5	1.920	2.835	9.5	21.9
3 22	9 31.00	+ 7 51.7	1.992	2.833	12.9	22.1

3506 French 2 17.1 99°.85 1°.2/16.1 18 R

1 12	10 25.34	+14 59.8	2.244	3.048	12.4	16.6
1 22	10 20.17	+15 16.4	2.169	3.058	9.4	16.4
2 1	10 13.03	+15 39.1	2.118	3.067	5.9	16.2
2 11	10 4.55	+16 3.6	2.095	3.076	2.3	16.0
2 21	9 55.56	+16 25.7	2.102	3.085	2.3	16.0
3 2	9 46.98	+16 41.5	2.139	3.094	5.8	16.3
3 12	9 39.67	+16 48.5	2.203	3.103	9.2	16.5
3 22	9 34.22	+16 45.7	2.292	3.112	12.2	16.7

59223 1999 BV_{32} 2 17.1 293°.64 2°.6/15.2 18

1 12	10 22.66	+13 33.3	1.422	2.253	16.9	19.8
1 22	10 19.57	+14 40.0	1.333	2.237	12.9	19.5
2 1	10 13.46	+16 4.1	1.266	2.221	8.2	19.2
2 11	10 4.96	+17 37.6	1.224	2.205	3.5	18.9
2 21	9 55.21	+19 9.8	1.208	2.190	4.2	18.9
3 2	9 45.68	+20 29.5	1.219	2.174	9.3	19.1
3 12	9 37.89	+21 28.6	1.254	2.158	14.3	19.4
3 22	9 32.92	+22 3.8	1.309	2.143	18.7	19.6

113681 2002 TL_{110} 2 17.1 210°.72 2°.3/15.0 18

1 12	10 28.53	+14 43.7	2.026	2.829	13.6	20.9
1 22	10 23.13	+15 50.9	1.931	2.820	10.4	20.6
2 1	10 15.27	+17 9.2	1.861	2.810	6.6	20.4
2 11	10 5.54	+18 32.0	1.819	2.799	2.9	20.1
2 21	9 54.87	+19 51.3	1.808	2.787	3.6	20.2
3 2	9 44.39	+20 59.5	1.827	2.773	7.5	20.4
3 12	9 35.25	+21 51.6	1.874	2.759	11.4	20.6
3 22	9 28.29	+22 25.3	1.944	2.743	14.8	20.8

121860 2000 CK_{66} 2 17.1 266°.51 4°.7/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 25.53	+ 0 38.8	1.513	2.294	18.4	19.7
1 22	10 21.48	+ 0 15.1	1.420	2.284	15.0	19.4
2 1	10 14.53	+ 0 12.7	1.347	2.274	11.0	19.1
2 11	10 5.34	+ 0 31.8	1.297	2.263	6.8	18.8
2 21	9 54.98	+ 1 9.9	1.274	2.252	4.7	18.7
3 2	9 44.85	+ 2 1.2	1.277	2.242	7.7	18.8
3 12	9 36.34	+ 2 57.7	1.305	2.231	12.1	19.0
3 22	9 30.48	+ 3 51.6	1.355	2.220	16.4	19.3

182473 2001 SE_{105} 2 17.1 179°.17 1°.9/18.8 18

1 12	10 24.56	+ 4 23.1	2.296	3.065	13.2	21.3
1 22	10 19.63	+ 4 33.9	2.204	3.067	10.4	21.1
2 1	10 12.75	+ 4 58.5	2.136	3.068	7.1	20.9
2 11	10 4.49	+ 5 34.6	2.095	3.069	3.6	20.7
2 21	9 55.60	+ 6 18.5	2.084	3.069	2.1	20.6
3 2	9 46.97	+ 7 5.6	2.104	3.068	5.2	20.8
3 12	9 39.46	+ 7 50.9	2.152	3.067	8.6	21.0
3 22	9 33.71	+ 8 30.6	2.225	3.065	11.8	21.2

236125 2005 SA_{215} 2 17.1 106°.84 4°.9/20.6 18

1 12	10 27.47	− 1 20.5	1.561	2.328	18.6	20.4
1 22	10 22.52	− 1 32.4	1.490	2.344	15.1	20.2
2 1	10 14.88	− 1 20.9	1.440	2.360	11.0	19.9
2 11	10 5.35	− 0 46.7	1.414	2.375	6.9	19.7
2 21	9 55.07	+ 0 6.1	1.414	2.390	4.9	19.7
3 2	9 45.34	+ 1 10.5	1.441	2.405	7.2	19.8
3 12	9 37.36	+ 2 18.0	1.495	2.419	11.1	20.1
3 22	9 31.94	+ 3 21.1	1.573	2.432	14.8	20.3

274918 2009 SU_{150} 2 17.1 68°.20 2°.3/18.9 18

1 12	10 22.75	+ 3 44.7	1.817	2.603	15.6	20.9
1 22	10 18.63	+ 3 55.6	1.742	2.613	12.3	20.7
2 1	10 12.27	+ 4 24.0	1.688	2.623	8.4	20.5
2 11	10 4.32	+ 5 7.3	1.659	2.633	4.4	20.3
2 21	9 55.73	+ 6 0.4	1.659	2.643	2.5	20.2
3 2	9 47.54	+ 6 57.3	1.687	2.653	5.9	20.4
3 12	9 40.78	+ 7 51.5	1.741	2.664	9.9	20.7
3 22	9 36.11	+ 8 38.1	1.820	2.674	13.4	20.9

70144 1999 NH_{20} 2 17.1 208°.30 2°.1/15.3 18

1 12	10 25.78	+14 30.4	1.997	2.805	13.6	20.8
1 22	10 20.99	+15 28.9	1.908	2.800	10.3	20.6
2 1	10 13.85	+16 38.0	1.843	2.793	6.5	20.4
2 11	10 4.98	+17 51.4	1.806	2.786	2.8	20.1
2 21	9 55.27	+19 1.7	1.799	2.779	3.3	20.1
3 2	9 45.82	+20 1.9	1.821	2.771	7.2	20.3
3 12	9 37.71	+20 47.3	1.870	2.762	11.1	20.6
3 22	9 31.72	+21 15.8	1.943	2.752	14.4	20.8

172409 2003 BJ_{77} 2 17.1 22°.72 1°.3/15.9 18

1 12	10 20.78	+13 26.3	1.824	2.644	14.2	20.0
1 22	10 17.17	+14 2.0	1.754	2.651	10.7	19.8
2 1	10 11.33	+14 47.6	1.707	2.660	6.8	19.6
2 11	10 3.96	+15 37.7	1.686	2.668	2.6	19.3
2 21	9 55.98	+16 26.0	1.694	2.678	2.6	19.4
3 2	9 48.44	+17 6.7	1.730	2.688	6.7	19.6
3 12	9 42.32	+17 35.5	1.791	2.699	10.5	19.9
3 22	9 38.27	+17 50.4	1.876	2.710	13.9	20.1

329373 2001 VC_{79} 2 17.1 80°.77 4°.2/20.6 18

1 12	10 23.93	− 1 8.6	1.843	2.605	16.3	20.7
1 22	10 19.43	− 1 12.2	1.772	2.623	13.2	20.5
2 1	10 12.71	− 0 55.4	1.723	2.641	9.6	20.3
2 11	10 4.48	− 0 19.5	1.698	2.659	6.0	20.1
2 21	9 55.66	+ 0 31.6	1.700	2.677	4.2	20.1
3 2	9 47.30	+ 1 32.0	1.732	2.695	6.2	20.2
3 12	9 40.38	+ 2 34.7	1.790	2.712	9.6	20.5
3 22	9 35.55	+ 3 33.6	1.872	2.729	12.9	20.7

340571 2006 KG_{123} 2 17.1 217°.31 3°.6/20.5 17

1 12	10 22.69	− 0 41.3	2.610	3.353	12.5	21.5
1 22	10 18.04	− 0 57.2	2.508	3.347	10.2	21.3
2 1	10 11.68	− 0 59.4	2.429	3.341	7.5	21.1
2 11	10 4.08	− 0 48.2	2.378	3.335	4.9	20.9
2 21	9 55.89	− 0 25.3	2.355	3.328	3.6	20.8
3 2	9 47.86	+ 0 6.2	2.363	3.321	5.2	20.9
3 12	9 40.76	+ 0 42.2	2.399	3.314	7.9	21.1
3 22	9 35.17	+ 1 18.8	2.461	3.306	10.6	21.2

262876 Davidlynch 2 17.1 101°.37 0°.4/17.4 18

1 12	10 28.78	+10 52.7	1.890	2.686	14.7	20.6
1 22	10 23.10	+10 45.7	1.814	2.696	11.3	20.3
2 1	10 15.06	+10 48.2	1.761	2.706	7.3	20.1
2 11	10 5.39	+10 57.0	1.736	2.716	2.9	19.9
2 21	9 55.08	+11 8.2	1.739	2.726	1.7	19.8
3 2	9 45.29	+11 17.7	1.773	2.736	6.1	20.1
3 12	9 37.04	+11 22.4	1.833	2.745	10.1	20.4
3 22	9 31.03	+11 20.1	1.918	2.754	13.5	20.6

293497 2007 *GQ* 2 17.1 216°.68 3°.8/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.31	+22 8.7	2.287	3.100	11.9	21.0
1 22	10 21.11	+22 55.1	2.201	3.094	9.1	20.8
2 1	10 13.78	+23 43.9	2.142	3.088	6.1	20.6
2 11	10 4.91	+24 28.9	2.110	3.081	3.9	20.4
2 21	9 55.36	+25 4.3	2.108	3.074	4.7	20.5
3 2	9 46.12	+25 25.7	2.135	3.066	7.6	20.6
3 12	9 38.16	+25 30.9	2.189	3.059	10.7	20.8
3 22	9 32.15	+25 20.3	2.266	3.050	13.4	21.0

365456 2010 NX_{66} 2 17.1 142°.99 3°.8/12.4 18 R

1 12	10 21.60	+22 9.6	2.662	3.478	10.4	20.8
1 22	10 17.24	+23 28.8	2.591	3.485	7.9	20.6
2 1	10 11.15	+24 50.6	2.546	3.492	5.3	20.5
2 11	10 3.86	+26 8.8	2.531	3.498	3.8	20.4
2 21	9 56.05	+27 17.5	2.546	3.504	4.7	20.5
3 2	9 48.50	+28 12.1	2.591	3.510	7.1	20.6
3 12	9 41.97	+28 50.0	2.663	3.516	9.6	20.8
3 22	9 37.03	+29 11.0	2.759	3.521	11.8	21.0

215188 2000 *NM* 2 17.1 150°.59 5°.6/24.9 18 R

1 12	10 24.93	−14 44.8	3.716	4.341	10.9	22.1
1 22	10 19.15	−15 5.9	3.622	4.356	9.5	22.0
2 1	10 12.10	−15 11.5	3.550	4.371	7.9	21.9
2 11	10 4.17	−15 0.8	3.503	4.384	6.5	21.8
2 21	9 55.87	−14 34.5	3.486	4.397	5.6	21.8
3 2	9 47.76	−13 54.4	3.499	4.408	5.8	21.8
3 12	9 40.37	−13 4.0	3.542	4.419	6.8	21.9
3 22	9 34.14	−12 7.2	3.612	4.428	8.2	22.0

237750 2001 XP_{246} 2 17.1 189°.59 2°.1/14.7 18

1 12	10 22.09	+17 58.0	2.785	3.591	10.2	21.0
1 22	10 17.50	+18 40.2	2.699	3.590	7.7	20.8
2 1	10 11.27	+19 26.6	2.640	3.589	4.9	20.6
2 11	10 3.90	+20 12.8	2.609	3.587	2.5	20.4
2 21	9 56.03	+20 54.5	2.609	3.585	3.0	20.5
3 2	9 48.40	+21 27.8	2.640	3.583	5.7	20.6
3 12	9 41.72	+21 50.1	2.699	3.580	8.4	20.8
3 22	9 36.52	+22 0.5	2.782	3.578	10.9	21.0

503756 2016 NN_4 2 17.1 255°.73 2°.7/13.9 17

1 12	10 21.10	+17 45.8	2.629	3.439	10.6	21.4
1 22	10 17.01	+18 55.7	2.528	3.421	8.0	21.2
2 1	10 11.12	+20 12.7	2.454	3.403	5.2	20.9
2 11	10 3.91	+21 31.2	2.409	3.385	2.9	20.8
2 21	9 56.01	+22 45.2	2.395	3.367	3.7	20.8
3 2	9 48.21	+23 49.1	2.411	3.347	6.5	20.9
3 12	9 41.33	+24 39.1	2.455	3.328	9.5	21.1
3 22	9 35.99	+25 13.3	2.523	3.308	12.2	21.2

399575 2003 ST_{258} 2 17.1 170°.66 0°.5/16.6 18

1 12	10 26.80	+11 7.3	2.330	3.118	12.5	22.6
1 22	10 21.30	+11 45.8	2.244	3.124	9.5	22.5
2 1	10 13.81	+12 34.4	2.183	3.128	6.1	22.2
2 11	10 4.91	+13 28.5	2.151	3.132	2.3	22.0
2 21	9 55.40	+14 23.1	2.149	3.135	1.8	22.0
3 2	9 46.19	+15 12.9	2.179	3.137	5.6	22.2
3 12	9 38.16	+15 53.7	2.238	3.138	9.1	22.4
3 22	9 31.96	+16 23.2	2.321	3.138	12.2	22.6

268592 2006 BP_{200} 2 17.1 236°.95 1°.6/15.7 17

1 12	10 22.38	+13 35.9	2.003	2.815	13.4	20.9
1 22	10 18.32	+14 24.9	1.920	2.814	10.2	20.7
2 1	10 12.09	+15 24.2	1.860	2.812	6.4	20.5
2 11	10 4.29	+16 28.3	1.829	2.810	2.6	20.2
2 21	9 55.79	+17 30.5	1.826	2.808	2.8	20.2
3 2	9 47.59	+18 24.6	1.852	2.806	6.7	20.5
3 12	9 40.68	+19 5.8	1.905	2.804	10.5	20.7
3 22	9 35.76	+19 32.0	1.981	2.802	13.7	20.9

260814 2005 OS_{10} 2 17.1 206°.02 4°.1/13.1 18

1 12	10 24.60	+20 22.2	2.046	2.866	12.9	20.7
1 22	10 20.09	+21 42.6	1.965	2.863	9.8	20.5
2 1	10 13.28	+23 9.1	1.910	2.859	6.5	20.3
2 11	10 4.77	+24 33.7	1.882	2.854	4.2	20.1
2 21	9 55.47	+25 48.4	1.884	2.849	5.3	20.2
3 2	9 46.46	+26 46.4	1.915	2.844	8.5	20.4
3 12	9 38.80	+27 24.1	1.972	2.838	11.8	20.6
3 22	9 33.24	+27 41.1	2.050	2.832	14.7	20.7

82140 2001 FE_{124} 2 17.1 145°.00 1°.8/18.7 18

1 12	10 25.45	+ 4 28.7	2.102	2.876	14.2	19.9
1 22	10 20.40	+ 4 48.1	2.020	2.886	11.1	19.7
2 1	10 13.29	+ 5 22.8	1.962	2.896	7.5	19.5
2 11	10 4.72	+ 6 9.8	1.931	2.906	3.7	19.3
2 21	9 55.54	+ 7 4.4	1.930	2.915	2.0	19.2
3 2	9 46.72	+ 8 1.1	1.958	2.923	5.4	19.4
3 12	9 39.18	+ 8 54.4	2.015	2.930	9.1	19.7
3 22	9 33.56	+ 9 39.9	2.097	2.937	12.4	19.9

469162 2015 HO_{99} 2 17.1 265°.23 5°.3/23.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 18.56	− 8 20.3	2.577	3.286	13.5	21.4
1 22	10 14.98	− 8 23.3	2.476	3.281	11.4	21.3
2 1	10 9.76	− 8 6.8	2.395	3.276	9.0	21.1
2 11	10 3.36	− 7 30.6	2.340	3.271	6.8	20.9
2 21	9 56.40	− 6 36.5	2.312	3.266	5.4	20.8
3 2	9 49.61	− 5 28.3	2.313	3.261	6.0	20.9
3 12	9 43.70	− 4 11.4	2.342	3.256	8.1	21.0
3 22	9 39.25	− 2 51.9	2.397	3.251	10.5	21.1

318054 2004 FA_{55} 2 17.1 352°.10 0°.9/16.4 18

1 12	10 22.28	+11 17.8	1.558	2.379	16.2	20.9
1 22	10 18.80	+11 58.2	1.479	2.377	12.4	20.7
2 1	10 12.67	+12 53.6	1.423	2.375	7.9	20.4
2 11	10 4.58	+13 58.0	1.391	2.374	3.0	20.1
2 21	9 55.62	+15 3.5	1.387	2.373	2.5	20.1
3 2	9 47.05	+16 2.1	1.410	2.372	7.5	20.4
3 12	9 40.11	+16 47.4	1.458	2.372	12.1	20.6
3 22	9 35.65	+17 16.2	1.528	2.372	16.0	20.9

210040 2006 OC_{13} 2 17.1 195°.77 1°.0/16.3 18

1 12	10 26.43	+12 39.5	2.079	2.879	13.4	20.9
1 22	10 21.33	+13 14.7	1.990	2.876	10.2	20.6
2 1	10 14.00	+14 0.0	1.925	2.874	6.5	20.4
2 11	10 5.04	+14 50.4	1.888	2.870	2.5	20.1
2 21	9 55.34	+15 40.3	1.881	2.866	2.3	20.1
3 2	9 45.93	+16 24.0	1.904	2.861	6.3	20.4
3 12	9 37.82	+16 57.2	1.955	2.855	10.2	20.6
3 22	9 31.74	+17 17.7	2.029	2.849	13.5	20.8

78431 Kemble 2 17.1 299°.89 2°.2/18.6 18

1 12	10 22.80	+ 5 14.5	1.554	2.356	17.1	20.3
1 22	10 19.37	+ 5 18.0	1.457	2.339	13.6	20.0
2 1	10 13.19	+ 5 40.4	1.381	2.322	9.3	19.7
2 11	10 4.86	+ 6 19.7	1.329	2.306	4.6	19.4
2 21	9 55.39	+ 7 11.1	1.304	2.290	2.6	19.3
3 2	9 46.10	+ 8 7.6	1.306	2.274	7.1	19.5
3 12	9 38.33	+ 9 1.4	1.333	2.258	12.0	19.7
3 22	9 33.08	+ 9 46.3	1.382	2.243	16.4	19.9

241601 1999 NZ_{34} 2 17.1 131°.09 12°.3/21.5 18

1 12	10 39.11	− 7 40.2	1.293	2.026	23.4	19.9
1 22	10 32.36	−10 8.2	1.218	2.033	20.2	19.7
2 1	10 21.81	−12 14.4	1.162	2.039	16.7	19.5
2 11	10 8.26	−13 49.1	1.127	2.046	13.7	19.3
2 21	9 53.23	−14 45.7	1.117	2.051	12.3	19.2
3 2	9 38.66	−15 3.2	1.132	2.057	13.4	19.3
3 12	9 26.45	−14 48.4	1.170	2.062	16.2	19.5
3 22	9 17.83	−14 12.5	1.228	2.066	19.4	19.7

420793 2013 GD_{126} 2 17.1 170°.43 2°.7/14.4 18

1 12	10 26.11	+18 4.0	2.375	3.181	11.8	21.5
1 22	10 20.80	+19 0.7	2.295	3.185	8.9	21.3
2 1	10 13.51	+20 2.8	2.241	3.189	5.7	21.1
2 11	10 4.81	+21 4.5	2.216	3.193	3.0	21.0
2 21	9 55.51	+21 59.8	2.221	3.195	3.7	21.0
3 2	9 46.53	+22 43.6	2.257	3.197	6.7	21.2
3 12	9 38.74	+23 13.1	2.321	3.198	9.8	21.4
3 22	9 32.78	+23 27.5	2.408	3.198	12.6	21.6

14724 SNO 2 17.1 190°.50 0°.6/16.5 18

1 12	10 22.17	+11 32.3	2.326	3.125	12.2	19.6
1 22	10 17.85	+12 8.0	2.239	3.125	9.3	19.4
2 1	10 11.64	+12 53.5	2.176	3.124	5.9	19.2
2 11	10 4.10	+13 44.6	2.141	3.123	2.2	19.0
2 21	9 55.96	+14 36.3	2.136	3.122	1.8	18.9
3 2	9 48.09	+15 23.6	2.161	3.120	5.5	19.2
3 12	9 41.30	+16 2.3	2.214	3.118	9.0	19.4
3 22	9 36.23	+16 30.1	2.292	3.116	12.0	19.6

396877 2004 TD_{119} 2 17.1 99°.21 5°.1/13.2 18

1 12	10 30.66	+21 58.3	1.655	2.478	15.3	21.1
1 22	10 24.85	+23 18.1	1.605	2.502	11.6	20.9
2 1	10 16.29	+24 40.5	1.579	2.526	7.8	20.8
2 11	10 5.89	+25 55.5	1.580	2.550	5.2	20.7
2 21	9 54.90	+26 54.2	1.610	2.573	6.3	20.8
3 2	9 44.69	+27 30.9	1.667	2.595	9.6	21.0
3 12	9 36.44	+27 44.2	1.749	2.616	13.0	21.3
3 22	9 30.86	+27 36.2	1.852	2.637	15.9	21.5

269570 2009 WQ_{125} 2 17.1 39°.61 0°.5/16.7 18

1 12	10 22.76	+11 10.8	1.896	2.704	14.2	21.1
1 22	10 18.67	+11 42.5	1.816	2.706	10.8	20.8
2 1	10 12.34	+12 26.1	1.759	2.709	6.9	20.6
2 11	10 4.41	+13 16.7	1.729	2.711	2.6	20.3
2 21	9 55.80	+14 8.5	1.727	2.713	2.0	20.3
3 2	9 47.54	+14 55.3	1.754	2.715	6.3	20.6
3 12	9 40.65	+15 32.4	1.808	2.718	10.3	20.8
3 22	9 35.83	+15 56.9	1.885	2.720	13.8	21.0

334934 2004 BB_{39} 2 17.1 125°.31 2°.7/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.89	+ 3 26.9	2.254	3.022	13.5	20.3
1 22	10 19.15	+ 3 10.9	2.164	3.024	10.7	20.2
2 1	10 12.48	+ 3 7.9	2.098	3.026	7.5	20.0
2 11	10 4.44	+ 3 16.7	2.059	3.028	4.3	19.8
2 21	9 55.79	+ 3 34.9	2.048	3.030	2.8	19.7
3 2	9 47.42	+ 3 59.0	2.068	3.031	5.3	19.8
3 12	9 40.19	+ 4 24.8	2.115	3.033	8.6	20.0
3 22	9 34.72	+ 4 48.6	2.188	3.035	11.7	20.2

456601 2007 EE_{146} 2 17.1 123°.42 2°.8/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.19	+18 15.0	1.979	2.795	13.4	21.0
1 22	10 21.19	+18 53.8	1.905	2.801	10.2	20.8
2 1	10 13.89	+19 37.8	1.856	2.806	6.5	20.6
2 11	10 5.00	+20 21.1	1.833	2.812	3.2	20.4
2 21	9 55.47	+20 57.4	1.840	2.817	3.8	20.4
3 2	9 46.38	+21 21.9	1.876	2.822	7.3	20.7
3 12	9 38.76	+21 31.9	1.938	2.827	10.9	20.9
3 22	9 33.29	+21 27.1	2.023	2.832	13.9	21.1

88916 2001 TS_{10} 2 17.1 299°.58 7°.8/23.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.09	− 9 28.9	1.775	2.503	18.0	19.2
1 22	10 17.00	− 9 53.2	1.674	2.489	15.5	18.9
2 1	10 11.53	− 9 50.6	1.591	2.475	12.6	18.7
2 11	10 4.21	− 9 18.6	1.530	2.461	9.7	18.5
2 21	9 55.90	− 8 17.9	1.494	2.448	7.8	18.4
3 2	9 47.73	− 6 53.1	1.484	2.434	8.5	18.4
3 12	9 40.84	− 5 12.9	1.500	2.421	11.2	18.5
3 22	9 36.11	− 3 27.5	1.540	2.408	14.6	18.7

114982 2003 QP_{65} 2 17.1 161°.67 0°.1/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.94	+ 9 5.8	2.163	2.951	13.4	20.7
1 22	10 20.80	+ 9 49.8	2.080	2.959	10.2	20.5
2 1	10 13.57	+10 46.5	2.021	2.965	6.6	20.3
2 11	10 4.88	+11 51.2	1.991	2.971	2.5	20.0
2 21	9 55.54	+12 58.1	1.990	2.977	1.7	20.0
3 2	9 46.53	+14 1.1	2.021	2.981	5.7	20.3
3 12	9 38.77	+14 55.1	2.080	2.985	9.5	20.5
3 22	9 32.92	+15 37.0	2.164	2.988	12.7	20.7

457049 2008 DN_{17} 2 17.1 156°.12 2°.3/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.31	+18 15.9	2.099	2.904	13.2	21.0
1 22	10 24.16	+18 36.5	2.021	2.910	10.0	20.8
2 1	10 15.71	+19 1.0	1.967	2.916	6.4	20.6
2 11	10 5.69	+19 24.2	1.942	2.921	3.0	20.4
2 21	9 55.05	+19 41.2	1.947	2.926	3.3	20.4
3 2	9 44.88	+19 47.9	1.982	2.930	6.8	20.6
3 12	9 36.19	+19 42.7	2.044	2.934	10.4	20.9
3 22	9 29.66	+19 25.4	2.130	2.937	13.4	21.1

73090 2002 GT_{19} 2 17.1 293°.10 5°.1/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.15	− 0 54.7	1.574	2.350	18.1	19.5
1 22	10 19.56	− 1 14.5	1.480	2.340	14.8	19.2
2 1	10 13.27	− 1 11.8	1.407	2.329	11.0	19.0
2 11	10 4.90	− 0 46.2	1.357	2.319	7.1	18.7
2 21	9 55.46	− 0 0.4	1.332	2.309	5.1	18.6
3 2	9 46.24	+ 0 59.9	1.335	2.299	7.5	18.7
3 12	9 38.54	+ 2 6.3	1.362	2.289	11.6	18.9
3 22	9 33.30	+ 3 10.7	1.412	2.280	15.7	19.1

37495 1226 $T\text{-}_2$ 2 17.1 78°.82 1°.6/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.11	+15 32.6	2.287	3.095	12.1	19.6
1 22	10 18.55	+16 0.5	2.208	3.099	9.1	19.4
2 1	10 12.08	+16 34.6	2.153	3.104	5.8	19.2
2 11	10 4.28	+17 10.5	2.127	3.108	2.4	19.0
2 21	9 55.94	+17 43.4	2.130	3.112	2.6	19.0
3 2	9 47.94	+18 9.0	2.163	3.116	6.0	19.2
3 12	9 41.12	+18 24.5	2.223	3.121	9.3	19.4
3 22	9 36.08	+18 28.6	2.307	3.125	12.2	19.6

20357 Shireendhir 2 17.1 191°.40 2°.3/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.61	+15 14.6	1.992	2.808	13.3	19.1
1 22	10 18.53	+16 13.1	1.912	2.808	10.1	18.9
2 1	10 12.26	+17 21.0	1.855	2.807	6.4	18.7
2 11	10 4.40	+18 32.0	1.827	2.807	2.9	18.4
2 21	9 55.84	+19 38.9	1.827	2.807	3.4	18.5
3 2	9 47.60	+20 35.3	1.857	2.806	7.1	18.7
3 12	9 40.67	+21 16.6	1.912	2.806	10.8	18.9
3 22	9 35.76	+21 41.3	1.991	2.805	14.0	19.1

18426 Maffei 2 17.1 35°.57 2°.5/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.13	+ 5 29.6	1.213	2.031	20.0	18.2
1 22	10 20.59	+ 5 25.3	1.153	2.044	15.7	17.9
2 1	10 13.94	+ 5 42.6	1.113	2.058	10.6	17.7
2 11	10 5.10	+ 6 18.0	1.095	2.072	5.2	17.4
2 21	9 55.44	+ 7 5.0	1.102	2.088	2.8	17.3
3 2	9 46.50	+ 7 55.4	1.134	2.104	7.6	17.6
3 12	9 39.68	+ 8 40.8	1.190	2.121	12.6	18.0
3 22	9 35.80	+ 9 15.7	1.267	2.138	16.9	18.3

165671 2001 OA_1 2 17.1 195°.08 0°.7/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.00	+12 17.8	2.418	3.217	11.8	20.6
1 22	10 17.66	+12 52.5	2.329	3.216	9.0	20.4
2 1	10 11.51	+13 36.0	2.266	3.215	5.7	20.2
2 11	10 4.08	+14 24.2	2.231	3.213	2.1	19.9
2 21	9 56.07	+15 12.4	2.227	3.211	1.9	19.9
3 2	9 48.31	+15 55.8	2.252	3.209	5.4	20.1
3 12	9 41.61	+16 30.7	2.305	3.207	8.8	20.3
3 22	9 36.54	+16 54.9	2.383	3.205	11.7	20.5

250598 2005 EJ_{81} 2 17.1 238°.00 0°.3/17.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.21	+ 9 31.9	1.960	2.755	14.3	21.8
1 22	10 21.40	+ 9 50.7	1.860	2.742	11.1	21.5
2 1	10 14.21	+10 22.2	1.784	2.729	7.2	21.3
2 11	10 5.21	+11 2.8	1.735	2.716	2.9	21.0
2 21	9 55.31	+11 47.3	1.715	2.702	1.7	20.8
3 2	9 45.60	+12 30.0	1.725	2.688	6.3	21.1
3 12	9 37.19	+13 5.8	1.762	2.673	10.5	21.3
3 22	9 30.91	+13 31.3	1.822	2.657	14.2	21.5

200569 2001 PX_{18} 2 17.1 111°.25 3°.7/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.32	+19 20.4	1.621	2.438	15.8	20.9
1 22	10 26.16	+20 8.1	1.562	2.457	11.9	20.7
2 1	10 17.17	+21 0.6	1.526	2.476	7.7	20.5
2 11	10 6.27	+21 49.7	1.517	2.494	4.1	20.4
2 21	9 54.73	+22 27.6	1.537	2.511	4.9	20.4
3 2	9 43.97	+22 48.9	1.584	2.528	8.7	20.7
3 12	9 35.20	+22 51.7	1.658	2.544	12.5	21.0
3 22	9 29.18	+22 37.2	1.753	2.559	15.9	21.2

505823 2015 BK_{454} 2 17.1 145°.71 0°.3/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.16	+10 41.0	2.198	2.991	13.0	21.3
1 22	10 20.17	+10 44.9	2.112	2.994	10.0	21.1
2 1	10 13.15	+10 57.9	2.051	2.996	6.5	20.8
2 11	10 4.72	+11 16.7	2.017	2.998	2.6	20.6
2 21	9 55.68	+11 37.7	2.013	3.000	1.5	20.5
3 2	9 46.98	+11 57.0	2.039	3.002	5.5	20.8
3 12	9 39.50	+12 11.1	2.093	3.004	9.1	21.0
3 22	9 33.89	+12 17.8	2.172	3.006	12.3	21.2

71266 2000 AC_{28} 2 17.1 155°.21 1°.1/16.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.96	+13 13.9	2.278	3.081	12.3	20.0
1 22	10 18.47	+13 52.9	2.196	3.085	9.3	19.8
2 1	10 12.06	+14 40.5	2.138	3.088	5.9	19.6
2 11	10 4.30	+15 32.1	2.109	3.091	2.3	19.3
2 21	9 55.96	+16 22.4	2.110	3.094	2.2	19.3
3 2	9 47.92	+17 6.5	2.141	3.096	5.8	19.6
3 12	9 41.04	+17 40.4	2.199	3.099	9.3	19.8
3 22	9 35.92	+18 2.2	2.282	3.101	12.2	20.0

508352 2016 EV_{19} 2 17.1 219°.91 3°.0/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.87	+ 3 48.5	2.206	2.969	13.9	21.8
1 22	10 22.32	+ 3 19.6	2.106	2.963	11.1	21.6
2 1	10 14.61	+ 3 2.7	2.030	2.956	7.9	21.3
2 11	10 5.33	+ 2 57.3	1.981	2.950	4.5	21.1
2 21	9 55.30	+ 3 1.4	1.962	2.943	3.1	21.0
3 2	9 45.48	+ 3 12.2	1.973	2.935	5.7	21.2
3 12	9 36.86	+ 3 25.9	2.013	2.927	9.2	21.4
3 22	9 30.14	+ 3 39.0	2.077	2.919	12.4	21.6

31498 1999 CX_{61} 2 17.1 222°.23 4°.3/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.33	− 2 5.3	2.396	3.131	13.7	18.5
1 22	10 20.30	− 2 24.3	2.288	3.121	11.3	18.3
2 1	10 13.30	− 2 27.6	2.203	3.110	8.5	18.1
2 11	10 4.83	− 2 15.1	2.145	3.098	5.7	17.9
2 21	9 55.61	− 1 48.2	2.115	3.085	4.3	17.8
3 2	9 46.52	− 1 10.4	2.116	3.072	5.8	17.8
3 12	9 38.44	− 0 26.2	2.145	3.058	8.7	18.0
3 22	9 32.05	+ 0 19.3	2.200	3.044	11.7	18.1

460377 2014 SH_{31} 2 17.1 49°.19 1°.1/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.11	+ 4 28.1	1.474	2.280	17.7	21.0
1 22	10 17.86	+ 5 24.3	1.410	2.295	13.7	20.7
2 1	10 12.01	+ 6 43.6	1.366	2.311	9.0	20.5
2 11	10 4.35	+ 8 19.8	1.347	2.327	3.9	20.2
2 21	9 55.97	+10 3.6	1.356	2.343	1.9	20.1
3 2	9 48.13	+11 44.5	1.392	2.360	6.8	20.5
3 12	9 41.99	+13 13.2	1.454	2.377	11.4	20.8
3 22	9 38.27	+14 24.1	1.539	2.394	15.3	21.1

225078 2007 JM_4 2 17.1 304°.02 5°.9/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.03	+25 26.0	1.827	2.657	13.7	19.9
1 22	10 20.79	+26 35.3	1.750	2.648	10.7	19.7
2 1	10 13.92	+27 46.0	1.696	2.640	7.7	19.5
2 11	10 5.13	+28 49.2	1.669	2.631	5.9	19.4
2 21	9 55.45	+29 36.5	1.669	2.623	7.1	19.4
3 2	9 46.17	+30 2.2	1.696	2.615	10.1	19.6
3 12	9 38.49	+30 4.1	1.747	2.607	13.4	19.8
3 22	9 33.23	+29 43.8	1.819	2.599	16.4	20.0

208256 2000 VC_{57} 2 17.1 78°.41 0°.8/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 29.79	+ 8 10.8	1.548	2.347	17.3	20.7
1 22	10 24.11	+ 8 28.0	1.493	2.376	13.2	20.5
2 1	10 15.79	+ 9 0.4	1.461	2.406	8.6	20.3
2 11	10 5.73	+ 9 43.1	1.455	2.435	3.5	20.1
2 21	9 55.16	+10 29.7	1.476	2.463	1.9	20.0
3 2	9 45.37	+11 13.4	1.526	2.491	6.7	20.4
3 12	9 37.50	+11 49.0	1.603	2.519	11.0	20.7
3 22	9 32.21	+12 13.4	1.702	2.546	14.6	21.0

327879 2007 AT_{27} 2 17.1 50°.09 0°.5/17.5 18

1 12	10 22.82	+ 8 7.5	1.678	2.484	15.8	21.3
1 22	10 18.94	+ 8 36.3	1.604	2.491	12.2	21.0
2 1	10 12.63	+ 9 20.9	1.552	2.499	7.9	20.8
2 11	10 4.59	+10 16.8	1.526	2.506	3.2	20.5
2 21	9 55.83	+11 17.4	1.527	2.514	1.8	20.4
3 2	9 47.51	+12 15.6	1.557	2.523	6.5	20.8
3 12	9 40.73	+13 5.0	1.613	2.531	10.8	21.0
3 22	9 36.23	+13 41.9	1.691	2.539	14.5	21.3

466364 2013 RU_{74} 2 17.1 47°.96 5°.7/22.5 18

1 12	10 20.07	− 6 29.6	1.904	2.643	16.6	20.8
1 22	10 16.62	− 6 29.0	1.820	2.649	13.9	20.6
2 1	10 11.05	− 6 3.8	1.757	2.656	10.7	20.4
2 11	10 3.97	− 5 14.2	1.717	2.663	7.6	20.2
2 21	9 56.22	− 4 3.4	1.704	2.670	5.7	20.1
3 2	9 48.79	− 2 37.5	1.719	2.677	6.8	20.2
3 12	9 42.63	− 1 4.8	1.761	2.684	9.7	20.4
3 22	9 38.42	+ 0 26.5	1.827	2.692	12.8	20.6

427050 2014 TV_{65} 2 17.1 31°.87 0°.9/17.8 18

1 12	10 24.08	+ 8 17.3	1.619	2.426	16.3	20.8
1 22	10 20.01	+ 8 27.5	1.543	2.430	12.6	20.6
2 1	10 13.38	+ 8 52.7	1.488	2.434	8.3	20.4
2 11	10 4.90	+ 9 29.2	1.459	2.439	3.5	20.1
2 21	9 55.64	+10 11.4	1.456	2.443	1.9	20.0
3 2	9 46.83	+10 53.0	1.482	2.448	6.6	20.3
3 12	9 39.63	+11 28.2	1.533	2.454	11.1	20.6
3 22	9 34.82	+11 53.0	1.607	2.459	14.9	20.8

413067 2001 SF_{117} 2 17.1 93°.91 2°.5/19.4 18

1 12	10 26.60	+ 2 17.3	2.108	2.871	14.5	22.0
1 22	10 21.10	+ 2 33.1	2.045	2.902	11.4	21.9
2 1	10 13.63	+ 3 4.9	2.005	2.932	7.9	21.7
2 11	10 4.89	+ 3 50.0	1.992	2.962	4.2	21.5
2 21	9 55.71	+ 4 43.7	2.008	2.991	2.5	21.5
3 2	9 47.05	+ 5 40.7	2.055	3.019	5.3	21.7
3 12	9 39.74	+ 6 35.4	2.131	3.047	8.6	22.0
3 22	9 34.35	+ 7 23.6	2.231	3.074	11.7	22.2

409999 2006 WC_{19} 2 17.1 113°.67 3°.2/20.0 18

1 12	10 25.82	+ 0 19.2	2.119	2.874	14.7	22.8
1 22	10 20.61	+ 0 26.0	2.046	2.895	11.7	22.7
2 1	10 13.40	+ 0 50.2	1.995	2.916	8.3	22.5
2 11	10 4.82	+ 1 29.7	1.971	2.936	4.9	22.3
2 21	9 55.74	+ 2 20.8	1.976	2.955	3.2	22.3
3 2	9 47.07	+ 3 18.2	2.010	2.973	5.5	22.4
3 12	9 39.70	+ 4 16.0	2.074	2.991	8.8	22.7
3 22	9 34.23	+ 5 9.1	2.162	3.009	11.8	22.9

339555 2005 JM_{112} 2 17.1 266°.59 8°.0/ 7.1 18

1 12	10 24.96	+35 39.4	2.368	3.182	11.5	20.6
1 22	10 20.50	+37 22.5	2.296	3.169	9.6	20.4
2 1	10 13.65	+39 0.2	2.249	3.156	8.3	20.3
2 11	10 5.03	+40 23.7	2.230	3.142	8.2	20.3
2 21	9 55.54	+41 25.5	2.237	3.128	9.3	20.3
3 2	9 46.30	+42 0.9	2.271	3.114	11.2	20.4
3 12	9 38.41	+42 9.3	2.327	3.100	13.3	20.6
3 22	9 32.67	+41 52.9	2.402	3.086	15.3	20.7

11076 1992 UR 2 17.1 133°.78 7°.8/10.8 18

1 12	10 33.48	+32 3.7	1.922	2.735	13.8	18.1
1 22	10 26.99	+33 22.4	1.867	2.748	11.1	17.9
2 1	10 17.71	+34 34.8	1.838	2.761	8.7	17.8
2 11	10 6.53	+35 31.0	1.835	2.773	7.8	17.8
2 21	9 54.70	+36 3.5	1.860	2.785	8.8	17.9
3 2	9 43.59	+36 8.7	1.911	2.796	11.1	18.0
3 12	9 34.44	+35 47.7	1.987	2.806	13.7	18.2
3 22	9 27.98	+35 4.7	2.083	2.816	16.0	18.4

284826 2009 AY_{42} 2 17.1 263°.80 0°.5/16.6 17

1 12	10 19.89	+10 6.0	2.349	3.148	12.1	20.6
1 22	10 16.19	+10 56.0	2.256	3.142	9.2	20.4
2 1	10 10.66	+11 58.0	2.188	3.136	5.9	20.1
2 11	10 3.82	+13 7.4	2.148	3.130	2.2	19.9
2 21	9 56.36	+14 18.9	2.138	3.124	1.7	19.8
3 2	9 49.09	+15 26.4	2.158	3.117	5.5	20.1
3 12	9 42.84	+16 25.1	2.206	3.111	9.0	20.3
3 22	9 38.21	+17 11.6	2.279	3.105	12.0	20.5

210091 2006 QO_{81} 2 17.1 144°.10 1°.3/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 19.63	+ 4 26.2	2.437	3.214	12.4	20.5
1 22	10 15.85	+ 5 2.3	2.348	3.216	9.7	20.3
2 1	10 10.37	+ 5 52.8	2.282	3.218	6.5	20.1
2 11	10 3.68	+ 6 54.6	2.244	3.220	3.1	19.9
2 21	9 56.46	+ 8 3.1	2.236	3.222	1.6	19.8
3 2	9 49.47	+ 9 13.1	2.259	3.224	4.7	20.0
3 12	9 43.45	+10 19.1	2.310	3.226	8.1	20.2
3 22	9 38.97	+11 17.0	2.386	3.228	11.0	20.4

310922 2003 SM_{145} 2 17.1 135°.46 1°.9/18.5 18

1 12	10 27.86	+ 6 1.0	1.843	2.627	15.5	20.5
1 22	10 22.55	+ 5 59.7	1.764	2.636	12.1	20.3
2 1	10 14.84	+ 6 12.9	1.707	2.645	8.2	20.0
2 11	10 5.45	+ 6 38.0	1.677	2.653	4.0	19.8
2 21	9 55.35	+ 7 10.8	1.676	2.661	2.2	19.7
3 2	9 45.69	+ 7 46.2	1.704	2.669	6.0	20.0
3 12	9 37.54	+ 8 19.0	1.759	2.676	10.1	20.2
3 22	9 31.62	+ 8 45.3	1.838	2.683	13.7	20.5

161532 2004 TN_{342} 2 17.1 285°.92 3°.3/19.3 18

1 12	10 23.56	+ 2 45.2	1.524	2.317	17.8	19.8
1 22	10 20.05	+ 2 43.6	1.428	2.302	14.3	19.5
2 1	10 13.72	+ 3 3.5	1.351	2.286	10.1	19.2
2 11	10 5.18	+ 3 43.6	1.299	2.271	5.6	18.9
2 21	9 55.45	+ 4 39.8	1.272	2.256	3.4	18.7
3 2	9 45.88	+ 5 44.8	1.272	2.240	7.2	18.9
3 12	9 37.86	+ 6 50.2	1.298	2.225	12.1	19.1
3 22	9 32.41	+ 7 48.4	1.345	2.210	16.5	19.4

327391 2005 UV_{439} 2 17.1 220°.06 7°.0/22.8 17

1 12	10 24.99	− 8 39.8	2.229	2.933	15.4	20.7
1 22	10 20.22	− 9 23.1	2.127	2.926	13.2	20.5
2 1	10 13.35	− 9 46.9	2.045	2.919	10.7	20.4
2 11	10 4.91	− 9 49.1	1.988	2.911	8.3	20.2
2 21	9 55.66	− 9 29.6	1.957	2.902	7.0	20.1
3 2	9 46.54	− 8 51.1	1.955	2.893	7.7	20.1
3 12	9 38.52	− 7 58.8	1.979	2.884	9.9	20.2
3 22	9 32.33	− 6 59.2	2.029	2.874	12.5	20.4

154544 2003 GP_{33} 2 17.1 49°.91 6°.4/12.4 18

1 12	10 28.62	+27 21.7	1.761	2.588	14.3	20.0
1 22	10 23.46	+28 18.9	1.697	2.592	11.2	19.8
2 1	10 15.56	+29 14.0	1.656	2.597	8.1	19.6
2 11	10 5.74	+29 58.0	1.642	2.601	6.4	19.5
2 21	9 55.20	+30 23.4	1.654	2.606	7.4	19.6
3 2	9 45.29	+30 25.9	1.694	2.610	10.3	19.8
3 12	9 37.22	+30 5.2	1.757	2.615	13.4	20.0
3 22	9 31.76	+29 24.3	1.841	2.620	16.3	20.2

455214 2001 PJ_{18} 2 17.1 201°.57 4°.0/13.9 16

1 12	10 30.53	+23 8.4	2.241	3.049	12.3	21.7
1 22	10 24.38	+23 45.5	2.156	3.045	9.5	21.5
2 1	10 15.95	+24 23.5	2.096	3.040	6.4	21.3
2 11	10 5.87	+24 56.2	2.065	3.035	4.1	21.2
2 21	9 55.10	+25 17.9	2.063	3.029	4.9	21.2
3 2	9 44.70	+25 24.8	2.092	3.023	7.7	21.4
3 12	9 35.71	+25 15.3	2.147	3.015	10.9	21.5
3 22	9 28.84	+24 50.6	2.226	3.008	13.7	21.7

61399 2000 QZ_{5} 2 17.1 222°.74 0°.1/17.2 18

1 12	10 25.12	+ 8 42.9	1.705	2.508	15.8	19.9
1 22	10 20.86	+ 9 18.2	1.616	2.502	12.2	19.7
2 1	10 14.01	+10 9.9	1.550	2.497	7.9	19.4
2 11	10 5.22	+11 13.3	1.510	2.491	3.1	19.1
2 21	9 55.48	+12 21.6	1.498	2.484	1.9	19.0
3 2	9 46.03	+13 26.8	1.514	2.478	6.9	19.3
3 12	9 38.09	+14 22.3	1.557	2.471	11.4	19.5
3 22	9 32.51	+15 3.7	1.623	2.463	15.4	19.8

144549 2004 EJ_{112} 2 17.1 15°.45 1°.5/15.6 18

1 12	10 20.03	+13 8.0	2.176	2.987	12.5	20.0
1 22	10 16.40	+14 5.8	2.095	2.988	9.5	19.8
2 1	10 10.84	+15 13.8	2.038	2.989	5.9	19.6
2 11	10 3.90	+16 26.5	2.009	2.990	2.4	19.4
2 21	9 56.34	+17 37.7	2.009	2.992	2.6	19.4
3 2	9 49.07	+18 41.1	2.039	2.993	6.2	19.6
3 12	9 42.93	+19 32.1	2.096	2.995	9.7	19.8
3 22	9 38.56	+20 8.2	2.177	2.997	12.7	20.0

462947 2011 CW_{16} 2 17.1 316°.80 1°.4/16.0 17

1 12	10 22.44	+13 17.0	1.724	2.544	14.9	21.1
1 22	10 18.82	+13 52.8	1.636	2.533	11.4	20.9
2 1	10 12.70	+14 40.3	1.571	2.523	7.2	20.6
2 11	10 4.70	+15 34.2	1.532	2.514	2.8	20.3
2 21	9 55.81	+16 27.5	1.520	2.504	2.8	20.3
3 2	9 47.21	+17 13.2	1.536	2.495	7.3	20.6
3 12	9 40.07	+17 46.1	1.578	2.486	11.7	20.8
3 22	9 35.22	+18 3.6	1.642	2.478	15.4	21.0

203883 2003 BM_{16} 2 17.1 308.°00 1.°3/16.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.75	+15 15.9	2.324	3.130	12.0	20.1
1 22	10 19.08	+15 32.7	2.237	3.127	9.1	19.9
2 1	10 12.48	+15 55.4	2.175	3.124	5.8	19.7
2 11	10 4.52	+16 20.1	2.140	3.122	2.3	19.5
2 21	9 55.97	+16 42.4	2.136	3.119	2.3	19.5
3 2	9 47.72	+16 58.7	2.161	3.117	5.8	19.7
3 12	9 40.62	+17 6.2	2.214	3.114	9.2	19.9
3 22	9 35.29	+17 3.7	2.291	3.112	12.1	20.1

65034 2002 AM_{114} 2 17.1 154.°44 1.°8/15.6 18

1 12	10 28.28	+14 18.0	2.071	2.872	13.4	20.3
1 22	10 22.68	+15 8.9	1.995	2.882	10.2	20.2
2 1	10 14.85	+16 8.7	1.943	2.892	6.4	19.9
2 11	10 5.45	+17 11.4	1.920	2.901	2.6	19.7
2 21	9 55.40	+18 10.5	1.927	2.908	2.9	19.7
3 2	9 45.75	+19 0.1	1.964	2.915	6.7	20.0
3 12	9 37.50	+19 36.2	2.029	2.921	10.3	20.2
3 22	9 31.34	+19 57.4	2.118	2.926	13.4	20.4

109156 2001 QV_{60} 2 17.1 89.°70 2.°1/19.2 18

1 12	10 21.51	+ 1 26.5	1.824	2.603	15.8	19.6
1 22	10 17.77	+ 2 17.3	1.746	2.613	12.5	19.4
2 1	10 11.82	+ 3 30.2	1.691	2.624	8.6	19.2
2 11	10 4.30	+ 5 1.1	1.661	2.635	4.4	19.0
2 21	9 56.11	+ 6 43.0	1.660	2.645	2.3	18.9
3 2	9 48.29	+ 8 27.1	1.688	2.655	5.8	19.1
3 12	9 41.84	+10 4.8	1.744	2.666	9.9	19.4
3 22	9 37.44	+11 29.5	1.825	2.676	13.5	19.6

279167 2009 SP_{160} 2 17.1 46.°81 1.°6/18.4 18

1 12	10 23.25	+ 6 12.5	1.765	2.561	15.6	21.0
1 22	10 19.16	+ 6 20.8	1.688	2.568	12.2	20.8
2 1	10 12.73	+ 6 44.8	1.634	2.575	8.1	20.6
2 11	10 4.66	+ 7 21.3	1.605	2.582	3.8	20.3
2 21	9 55.89	+ 8 5.5	1.604	2.590	2.0	20.2
3 2	9 47.54	+ 8 51.3	1.631	2.598	6.1	20.5
3 12	9 40.65	+ 9 33.0	1.684	2.606	10.2	20.8
3 22	9 35.94	+10 6.3	1.761	2.614	13.8	21.0

201276 2002 RN_{230} 2 17.1 100.°34 1.°1/16.0 18

1 12	10 23.74	+13 38.8	2.332	3.134	12.1	20.9
1 22	10 18.93	+14 14.4	2.262	3.150	9.1	20.8
2 1	10 12.29	+14 57.4	2.217	3.166	5.7	20.6
2 11	10 4.41	+15 43.3	2.201	3.182	2.2	20.4
2 21	9 56.08	+16 27.2	2.215	3.198	2.2	20.4
3 2	9 48.13	+17 4.6	2.258	3.214	5.6	20.7
3 12	9 41.37	+17 32.2	2.330	3.229	8.8	20.9
3 22	9 36.34	+17 48.5	2.426	3.244	11.6	21.1

112849 2002 QH_{21} 2 17.1 92.°49 0.°1/17.2 18

1 12	10 27.17	+ 9 11.6	1.838	2.634	15.1	20.2
1 22	10 21.87	+ 9 45.8	1.777	2.660	11.5	20.0
2 1	10 14.29	+10 32.9	1.739	2.685	7.3	19.8
2 11	10 5.20	+11 27.9	1.729	2.709	2.9	19.5
2 21	9 55.60	+12 24.5	1.747	2.734	1.7	19.5
3 2	9 46.58	+13 16.5	1.795	2.757	6.1	19.8
3 12	9 39.12	+13 59.0	1.870	2.780	10.0	20.1
3 22	9 33.86	+14 29.3	1.969	2.803	13.3	20.4

206852 2004 FW_{24} 2 17.1 2.°92 0.°3/17.3 17

1 12	10 25.40	+11 19.7	2.187	2.982	13.0	19.8
1 22	10 20.40	+11 13.5	2.100	2.982	10.0	19.6
2 1	10 13.35	+11 15.2	2.037	2.982	6.5	19.4
2 11	10 4.87	+11 22.1	2.001	2.982	2.6	19.2
2 21	9 55.77	+11 30.9	1.996	2.982	1.5	19.1
3 2	9 47.01	+11 38.2	2.020	2.983	5.5	19.3
3 12	9 39.48	+11 41.0	2.071	2.983	9.1	19.6
3 22	9 33.83	+11 37.4	2.148	2.984	12.3	19.8

289565 2005 EB_{281} 2 17.1 200.°13 5.°0/12.8 18

1 12	10 25.33	+21 4.5	1.720	2.549	14.5	20.5
1 22	10 21.09	+22 30.5	1.646	2.548	11.1	20.3
2 1	10 14.17	+24 2.9	1.597	2.546	7.5	20.1
2 11	10 5.28	+25 32.1	1.574	2.545	5.1	19.9
2 21	9 55.49	+26 48.2	1.580	2.543	6.3	20.0
3 2	9 46.11	+27 43.7	1.612	2.542	9.8	20.2
3 12	9 38.37	+28 14.9	1.670	2.540	13.4	20.4
3 22	9 33.12	+28 22.3	1.748	2.538	16.6	20.6

60291 1999 XV_{140} 2 17.1 188.°25 2.°4/14.9 18

1 12	10 25.41	+15 46.6	2.053	2.864	13.2	20.3
1 22	10 20.66	+16 47.3	1.970	2.863	10.0	20.1
2 1	10 13.66	+17 56.9	1.912	2.862	6.3	19.9
2 11	10 5.03	+19 8.9	1.881	2.861	3.0	19.7
2 21	9 55.66	+20 16.2	1.880	2.859	3.6	19.7
3 2	9 46.59	+21 12.3	1.909	2.856	7.2	19.9
3 12	9 38.84	+21 53.0	1.965	2.853	10.8	20.1
3 22	9 33.14	+22 16.8	2.044	2.849	14.0	20.3

118274 1998 QE_{20} 2 17.1 152.°19 2.°6/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 27.53	+ 3 9.8	1.747	2.524	16.5	20.1
1 22	10 22.47	+ 3 20.1	1.666	2.532	13.1	19.9
2 1	10 14.91	+ 3 49.2	1.607	2.540	9.0	19.7
2 11	10 5.53	+ 4 34.6	1.574	2.546	4.7	19.4
2 21	9 55.36	+ 5 31.2	1.568	2.552	2.8	19.3
3 2	9 45.60	+ 6 32.5	1.592	2.558	6.3	19.5
3 12	9 37.39	+ 7 31.2	1.643	2.563	10.5	19.8
3 22	9 31.51	+ 8 22.1	1.718	2.567	14.3	20.0

20291 Raumurthy 2 17.1 273.°26 0.°7/16.6 18

1 12	10 24.20	+10 46.9	1.672	2.484	15.6	19.1
1 22	10 20.36	+11 25.6	1.576	2.468	12.1	18.9
2 1	10 13.83	+12 19.9	1.501	2.451	7.8	18.6
2 11	10 5.22	+13 24.6	1.453	2.435	3.0	18.2
2 21	9 55.52	+14 32.5	1.432	2.418	2.4	18.2
3 2	9 45.99	+15 35.4	1.439	2.401	7.4	18.4
3 12	9 37.93	+16 26.4	1.472	2.384	12.1	18.7
3 22	9 32.29	+17 1.5	1.528	2.366	16.3	18.9

176569 2002 AW_{190} 2 17.1 293.°20 1.°4/15.4 18

1 12	10 18.69	+12 33.9	2.454	3.260	11.4	19.2
1 22	10 15.29	+13 44.0	2.356	3.247	8.7	19.0
2 1	10 10.12	+15 5.2	2.284	3.235	5.4	18.8
2 11	10 3.66	+16 32.3	2.241	3.222	2.2	18.5
2 21	9 56.54	+17 59.2	2.228	3.210	2.5	18.5
3 2	9 49.56	+19 19.5	2.246	3.197	5.9	18.7
3 12	9 43.52	+20 28.1	2.291	3.185	9.2	18.9
3 22	9 39.02	+21 21.8	2.362	3.173	12.1	19.1

355915 2008 XQ_{49} 2 17.1 317.°71 14.°1/ 2.3 18

1 12	10 23.05	+36 44.5	1.262	2.112	17.4	19.6
1 22	10 21.19	+40 0.5	1.205	2.095	15.2	19.4
2 1	10 15.30	+43 11.3	1.170	2.078	14.1	19.3
2 11	10 6.05	+45 55.7	1.158	2.061	14.8	19.3
2 21	9 54.94	+47 55.9	1.169	2.045	17.0	19.4
3 2	9 44.17	+49 2.1	1.198	2.030	19.9	19.5
3 12	9 35.99	+49 14.8	1.244	2.016	22.8	19.7
3 22	9 31.81	+48 41.8	1.302	2.002	25.4	19.8

64725 2001 XL_{111} 2 17.1 52.°63 4.°6/13.9 18

1 12	10 25.19	+16 45.0	1.194	2.038	18.6	18.1
1 22	10 21.52	+18 22.7	1.149	2.060	13.9	17.9
2 1	10 14.59	+20 11.7	1.126	2.082	8.9	17.7
2 11	10 5.43	+21 59.1	1.127	2.105	4.9	17.5
2 21	9 55.52	+23 31.4	1.153	2.127	6.2	17.6
3 2	9 46.52	+24 38.8	1.205	2.151	10.6	17.9
3 12	9 39.81	+25 17.5	1.279	2.174	14.9	18.3
3 22	9 36.16	+25 28.7	1.373	2.198	18.5	18.6

1026 Ingrid 2 17.1 191.°55 2.°1/15.4 18 R

1 12	10 27.58	+14 22.1	1.855	2.663	14.5	16.9
1 22	10 22.56	+15 19.3	1.770	2.662	11.0	16.7
2 1	10 15.01	+16 27.6	1.710	2.660	7.0	16.4
2 11	10 5.61	+17 40.3	1.677	2.658	3.0	16.1
2 21	9 55.34	+18 49.4	1.673	2.654	3.4	16.2
3 2	9 45.40	+19 47.8	1.699	2.650	7.5	16.4
3 12	9 36.94	+20 30.4	1.751	2.645	11.6	16.6
3 22	9 30.80	+20 55.4	1.827	2.640	15.1	16.9

127630 2003 BX_{89} 2 17.1 14.°95 4.°6/19.8 18

1 12	10 23.72	+ 1 56.2	1.210	2.018	20.7	19.7
1 22	10 20.53	+ 1 28.6	1.140	2.020	16.7	19.4
2 1	10 14.14	+ 1 25.1	1.087	2.023	12.0	19.1
2 11	10 5.37	+ 1 45.4	1.056	2.026	7.1	18.9
2 21	9 55.53	+ 2 25.4	1.049	2.031	4.7	18.7
3 2	9 46.22	+ 3 17.6	1.067	2.036	8.1	19.0
3 12	9 38.96	+ 4 12.5	1.108	2.041	13.0	19.2
3 22	9 34.71	+ 5 2.0	1.170	2.048	17.5	19.5

282654 2005 UF_{156} 2 17.2 70.°55 15.°2/ 1.6 18

1 12	10 33.31	−23 28.7	1.517	2.145	24.2	19.6
1 22	10 27.28	−25 33.8	1.470	2.180	21.9	19.5
2 1	10 18.14	−27 1.4	1.437	2.214	19.5	19.4
2 11	10 6.82	−27 44.1	1.422	2.249	17.3	19.3
2 21	9 54.67	−27 39.0	1.427	2.282	15.8	19.3
3 2	9 43.27	−26 49.3	1.452	2.316	15.2	19.4
3 12	9 34.03	−25 25.1	1.499	2.348	15.8	19.5
3 22	9 27.78	−23 39.5	1.566	2.380	17.1	19.7

1779 Paraná 2 17.2 257.°21 0.°7/17.6 18

1 12	10 26.96	+ 8 23.9	1.546	2.351	17.0	17.8
1 22	10 22.70	+ 8 42.0	1.449	2.336	13.3	17.5
2 1	10 15.48	+ 9 17.5	1.373	2.320	8.8	17.2
2 11	10 5.94	+10 6.5	1.323	2.303	3.7	16.9
2 21	9 55.14	+11 2.6	1.300	2.287	2.0	16.7
3 2	9 44.51	+11 58.1	1.304	2.269	7.5	17.0
3 12	9 35.50	+12 45.5	1.334	2.252	12.6	17.2
3 22	9 29.17	+13 20.1	1.386	2.234	17.1	17.5

332923 2011 CH_{20} 2 17.2 234°.41 2°.4/14.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.56	+16 10.4	2.047	2.862	13.1	21.0
1 22	10 19.30	+17 4.1	1.961	2.857	9.9	20.8
2 1	10 12.84	+18 6.3	1.900	2.851	6.3	20.6
2 11	10 4.76	+19 10.8	1.866	2.846	3.0	20.3
2 21	9 55.94	+20 10.8	1.861	2.840	3.5	20.4
3 2	9 47.39	+21 0.2	1.886	2.834	7.1	20.6
3 12	9 40.13	+21 34.9	1.937	2.828	10.8	20.8
3 22	9 34.87	+21 53.2	2.011	2.822	14.0	21.0

464619 2016 CP_{241} 2 17.2 45°.53 10°.6/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.62	+33 53.8	1.345	2.183	17.3	20.1
1 22	10 25.69	+35 33.0	1.312	2.204	14.1	19.9
2 1	10 17.23	+37 0.9	1.301	2.225	11.5	19.8
2 11	10 6.44	+38 4.0	1.313	2.247	10.6	19.8
2 21	9 55.02	+38 33.0	1.348	2.270	11.8	19.9
3 2	9 44.77	+38 25.2	1.407	2.292	14.3	20.2
3 12	9 37.15	+37 44.2	1.487	2.316	17.0	20.4
3 22	9 32.85	+36 37.3	1.584	2.339	19.4	20.6

402693 2006 VQ_{48} 2 17.2 101°.49 2°.7/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.87	+ 0 1.9	2.050	2.808	15.0	21.6
1 22	10 19.96	+ 0 38.9	1.981	2.834	11.9	21.5
2 1	10 13.04	+ 1 35.4	1.935	2.859	8.3	21.3
2 11	10 4.77	+ 2 47.9	1.916	2.884	4.6	21.1
2 21	9 56.00	+ 4 10.9	1.926	2.909	2.8	21.0
3 2	9 47.69	+ 5 37.5	1.967	2.932	5.4	21.2
3 12	9 40.71	+ 7 0.5	2.036	2.955	8.9	21.5
3 22	9 35.64	+ 8 14.5	2.131	2.977	12.0	21.7

405325 2003 UM_{225} 2 17.2 90°.16 3°.3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.47	+18 35.4	1.617	2.438	15.6	21.5
1 22	10 24.12	+19 12.1	1.552	2.450	11.9	21.3
2 1	10 16.00	+19 54.5	1.511	2.462	7.6	21.1
2 11	10 5.98	+20 35.1	1.496	2.474	3.8	20.9
2 21	9 55.25	+21 6.6	1.508	2.486	4.4	21.0
3 2	9 45.19	+21 23.7	1.549	2.497	8.4	21.2
3 12	9 37.02	+21 24.1	1.614	2.509	12.4	21.5
3 22	9 31.48	+21 8.3	1.702	2.520	15.8	21.7

213620 2002 QX_{27} 2 17.2 246°.01 2°.3/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.50	+15 21.7	1.711	2.531	15.0	20.8
1 22	10 21.18	+16 7.2	1.629	2.526	11.4	20.6
2 1	10 14.23	+17 2.9	1.570	2.522	7.3	20.3
2 11	10 5.36	+18 2.2	1.537	2.517	3.2	20.1
2 21	9 55.58	+18 57.3	1.532	2.513	3.6	20.1
3 2	9 46.17	+19 41.2	1.555	2.508	7.9	20.3
3 12	9 38.34	+20 9.4	1.603	2.503	12.1	20.5
3 22	9 32.92	+20 20.4	1.674	2.498	15.7	20.8

316992 2001 OP_{19} 2 17.2 183°.72 2°.5/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.60	+ 0 45.8	2.149	2.911	14.3	21.4
1 22	10 18.39	+ 1 22.3	2.055	2.912	11.4	21.2
2 1	10 12.17	+ 2 18.1	1.985	2.912	8.0	21.0
2 11	10 4.50	+ 3 30.6	1.941	2.911	4.4	20.7
2 21	9 56.13	+ 4 54.8	1.927	2.910	2.5	20.6
3 2	9 48.00	+ 6 24.0	1.943	2.909	5.4	20.8
3 12	9 41.00	+ 7 51.0	1.988	2.907	9.0	21.0
3 22	9 35.81	+ 9 9.7	2.058	2.904	12.4	21.2

332353 2007 EU_{13} 2 17.2 284°.85 3°.9/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.15	+21 0.8	1.844	2.665	14.0	20.5
1 22	10 22.28	+21 38.8	1.763	2.660	10.7	20.2
2 1	10 14.85	+22 20.4	1.705	2.655	7.1	20.0
2 11	10 5.57	+22 58.6	1.675	2.649	4.2	19.8
2 21	9 55.47	+23 26.7	1.672	2.644	4.9	19.8
3 2	9 45.79	+23 39.6	1.698	2.639	8.4	20.0
3 12	9 37.69	+23 35.2	1.749	2.634	12.1	20.2
3 22	9 31.96	+23 13.9	1.822	2.629	15.4	20.4

264693 2002 AN_{56} 2 17.2 158°.75 2°.6/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.97	+ 3 36.2	1.964	2.742	14.9	20.6
1 22	10 19.57	+ 3 34.4	1.877	2.743	11.8	20.4
2 1	10 12.99	+ 3 48.3	1.812	2.744	8.2	20.2
2 11	10 4.82	+ 4 16.1	1.773	2.745	4.4	19.9
2 21	9 55.94	+ 4 54.3	1.763	2.746	2.7	19.8
3 2	9 47.36	+ 5 37.8	1.781	2.747	5.8	20.0
3 12	9 40.07	+ 6 21.0	1.826	2.747	9.6	20.2
3 22	9 34.79	+ 6 59.3	1.896	2.748	13.0	20.4

22452 1996 VD_{8} 2 17.2 125°.71 1°.6/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.35	+14 21.2	2.276	3.078	12.4	19.3
1 22	10 20.24	+15 9.9	2.206	3.094	9.3	19.1
2 1	10 13.20	+16 6.4	2.160	3.109	5.8	18.9
2 11	10 4.84	+17 5.1	2.144	3.124	2.4	18.7
2 21	9 55.97	+18 0.4	2.157	3.139	2.6	18.7
3 2	9 47.49	+18 47.4	2.201	3.153	6.0	19.0
3 12	9 40.24	+19 22.4	2.273	3.166	9.3	19.2
3 22	9 34.83	+19 44.0	2.369	3.179	12.2	19.4

47724 2000 DE_{38} 2 17.2 296°.72 0°.4/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 21.77	+ 8 49.1	2.103	2.900	13.4	19.4
1 22	10 17.81	+ 9 14.4	2.014	2.897	10.3	19.2
2 1	10 11.82	+ 9 52.1	1.949	2.894	6.7	19.0
2 11	10 4.36	+10 38.7	1.910	2.891	2.7	18.7
2 21	9 56.23	+11 29.2	1.901	2.888	1.5	18.6
3 2	9 48.37	+12 18.3	1.920	2.885	5.6	18.9
3 12	9 41.68	+13 0.8	1.968	2.882	9.4	19.1
3 22	9 36.83	+13 33.4	2.039	2.879	12.7	19.3

295371 2008 HR_{54} 2 17.2 189°.76 2°.0/15.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.56	+15 15.5	2.115	2.925	12.9	21.8
1 22	10 19.95	+16 4.1	2.032	2.924	9.8	21.6
2 1	10 13.19	+17 1.0	1.972	2.923	6.2	21.4
2 11	10 4.89	+18 0.6	1.941	2.922	2.7	21.2
2 21	9 55.91	+18 56.7	1.939	2.920	3.1	21.2
3 2	9 47.22	+19 43.4	1.967	2.918	6.7	21.4
3 12	9 39.80	+20 16.9	2.022	2.915	10.3	21.6
3 22	9 34.33	+20 35.6	2.101	2.913	13.4	21.8

54534 2000 QE_{39} 2 17.2 230°.85 0°.8/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.11	+ 7 59.7	2.616	3.398	11.5	19.7
1 22	10 17.69	+ 8 12.2	2.517	3.390	8.9	19.6
2 1	10 11.57	+ 8 34.7	2.443	3.383	5.9	19.4
2 11	10 4.23	+ 9 4.7	2.396	3.375	2.6	19.1
2 21	9 56.33	+ 9 38.9	2.380	3.367	1.3	19.0
3 2	9 48.60	+10 13.4	2.395	3.358	4.7	19.2
3 12	9 41.80	+10 44.6	2.438	3.350	7.9	19.4
3 22	9 36.50	+11 9.6	2.506	3.341	10.8	19.6

119674 2001 XY_{90} 2 17.2 115°.45 1°.0/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.03	+13 0.8	1.972	2.777	13.9	21.0
1 22	10 21.05	+13 30.3	1.898	2.787	10.5	20.8
2 1	10 13.86	+14 9.0	1.849	2.798	6.7	20.6
2 11	10 5.13	+14 52.1	1.826	2.808	2.5	20.3
2 21	9 55.80	+15 33.8	1.833	2.818	2.3	20.3
3 2	9 46.90	+16 9.0	1.869	2.827	6.3	20.6
3 12	9 39.42	+16 33.9	1.932	2.837	10.1	20.8
3 22	9 34.02	+16 46.5	2.019	2.846	13.3	21.1

77890 2001 SN_{200} 2 17.2 261°.90 0°.0/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.74	+ 9 58.8	2.409	3.203	12.0	20.7
1 22	10 17.62	+10 26.9	2.307	3.188	9.2	20.4
2 1	10 11.65	+11 5.6	2.229	3.174	6.0	20.2
2 11	10 4.30	+11 51.5	2.179	3.159	2.3	20.0
2 21	9 56.28	+12 40.3	2.158	3.145	1.5	19.9
3 2	9 48.40	+13 27.1	2.168	3.130	5.3	20.1
3 12	9 41.51	+14 7.5	2.206	3.115	8.8	20.3
3 22	9 36.24	+14 38.6	2.269	3.099	11.9	20.5

283636 2002 EZ_{112} 2 17.2 268°.60 0°.7/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.05	+ 6 48.6	2.217	3.004	13.1	21.8
1 22	10 18.11	+ 7 26.1	2.105	2.981	10.3	21.5
2 1	10 12.11	+ 8 18.9	2.017	2.958	6.8	21.3
2 11	10 4.54	+ 9 23.7	1.956	2.935	2.9	21.0
2 21	9 56.10	+10 35.5	1.925	2.911	1.5	20.8
3 2	9 47.73	+11 48.1	1.923	2.887	5.6	21.1
3 12	9 40.36	+12 55.2	1.950	2.863	9.5	21.3
3 22	9 34.76	+13 52.1	2.002	2.838	13.1	21.4

73886 1997 EY_{5} 2 17.2 328°.77 0°.7/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.09	+13 12.1	2.769	3.570	10.4	19.6
1 22	10 15.33	+13 34.8	2.675	3.563	7.9	19.5
2 1	10 10.02	+14 4.1	2.607	3.556	5.0	19.3
2 11	10 3.62	+14 36.9	2.567	3.548	1.9	19.0
2 21	9 56.73	+15 9.6	2.557	3.542	1.7	19.0
3 2	9 50.04	+15 38.5	2.577	3.535	4.8	19.2
3 12	9 44.21	+16 0.7	2.625	3.529	7.8	19.4
3 22	9 39.76	+16 14.4	2.698	3.522	10.4	19.6

89074 2001 TD_{154} 2 17.2 263°.17 0°.1/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.76	+ 7 59.8	1.854	2.655	14.7	19.9
1 22	10 18.18	+ 8 56.1	1.760	2.646	11.4	19.6
2 1	10 12.27	+10 10.2	1.689	2.636	7.4	19.4
2 11	10 4.62	+11 37.0	1.645	2.626	2.9	19.1
2 21	9 56.08	+13 9.1	1.629	2.616	1.9	19.0
3 2	9 47.73	+14 38.0	1.643	2.605	6.5	19.3
3 12	9 40.68	+15 56.2	1.684	2.595	10.9	19.5
3 22	9 35.71	+16 58.6	1.748	2.584	14.6	19.7

126655 2002 CT_{202} 2 17.2 234°.45 0°.3/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.14	+ 9 27.1	2.217	3.012	12.9	20.2
1 22	10 18.08	+10 16.5	2.120	3.003	9.9	20.0
2 1	10 12.02	+11 19.1	2.047	2.993	6.3	19.7
2 11	10 4.47	+12 30.6	2.002	2.984	2.4	19.4
2 21	9 56.19	+13 45.1	1.987	2.973	1.7	19.4
3 2	9 48.09	+14 56.2	2.003	2.963	5.8	19.6
3 12	9 41.07	+15 58.3	2.046	2.952	9.5	19.8
3 22	9 35.82	+16 47.6	2.114	2.941	12.8	20.0

151308 2002 CO_{95} 2 17.2 278°.35 0°.1/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.03	+10 13.9	1.956	2.759	14.0	20.2
1 22	10 19.02	+10 39.9	1.861	2.748	10.8	19.9
2 1	10 12.74	+11 18.5	1.789	2.737	7.0	19.7
2 11	10 4.78	+12 5.6	1.744	2.725	2.7	19.4
2 21	9 55.99	+12 55.8	1.728	2.714	1.8	19.3
3 2	9 47.43	+13 43.1	1.740	2.703	6.2	19.5
3 12	9 40.12	+14 22.3	1.779	2.692	10.3	19.8
3 22	9 34.84	+14 50.1	1.842	2.680	13.9	20.0

231639 2009 UC_{127} 2 17.2 341°.32 4°.1/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.06	+ 0 33.4	1.752	2.528	16.5	20.3
1 22	10 18.43	+ 0 17.7	1.663	2.524	13.4	20.1
2 1	10 12.43	+ 0 21.4	1.595	2.520	9.7	19.9
2 11	10 4.67	+ 0 43.9	1.552	2.517	6.0	19.6
2 21	9 56.07	+ 1 22.2	1.535	2.514	4.1	19.5
3 2	9 47.75	+ 2 11.1	1.546	2.511	6.5	19.6
3 12	9 40.81	+ 3 3.8	1.582	2.508	10.4	19.9
3 22	9 36.03	+ 3 53.9	1.643	2.506	14.1	20.1

111022 2001 VK_{12} 2 17.2 68°.34 5°.9/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.87	− 3 0.3	1.798	2.549	17.1	19.0
1 22	10 21.15	− 3 43.9	1.720	2.559	14.1	18.8
2 1	10 14.04	− 4 7.6	1.664	2.570	10.7	18.6
2 11	10 5.26	− 4 10.4	1.631	2.580	7.5	18.5
2 21	9 55.74	− 3 53.7	1.625	2.591	5.9	18.4
3 2	9 46.64	− 3 21.4	1.646	2.602	7.3	18.5
3 12	9 39.00	− 2 39.9	1.694	2.613	10.3	18.7
3 22	9 33.58	− 1 55.5	1.766	2.624	13.5	18.9

214595 2006 QC_{136} 2 17.2 224°.08 3°.2/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.04	+ 2 11.5	1.875	2.648	15.7	20.4
1 22	10 20.59	+ 2 7.3	1.781	2.643	12.6	20.2
2 1	10 13.77	+ 2 20.7	1.709	2.637	8.9	20.0
2 11	10 5.19	+ 2 50.5	1.662	2.631	5.1	19.7
2 21	9 55.75	+ 3 33.2	1.643	2.625	3.3	19.6
3 2	9 46.55	+ 4 23.5	1.653	2.618	6.2	19.8
3 12	9 38.67	+ 5 15.0	1.690	2.611	10.2	20.0
3 22	9 32.93	+ 6 2.1	1.751	2.604	13.8	20.2

9621 Michaelpalin 2 17.2 43°.21 3°.4/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.72	+ 3 13.2	1.162	1.975	21.0	17.3
1 22	10 21.21	+ 3 8.2	1.104	1.990	16.6	17.1
2 1	10 14.48	+ 3 28.3	1.065	2.006	11.5	16.9
2 11	10 5.49	+ 4 10.6	1.047	2.022	6.1	16.6
2 21	9 55.63	+ 5 8.4	1.054	2.039	3.6	16.5
3 2	9 46.54	+ 6 12.3	1.086	2.056	7.8	16.8
3 12	9 39.64	+ 7 12.5	1.142	2.074	12.8	17.1
3 22	9 35.77	+ 8 2.0	1.218	2.093	17.2	17.4

229155 2004 SP_{54} 2 17.2 114°.31 2°.3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.83	+16 36.1	2.193	3.003	12.5	20.7
1 22	10 19.96	+17 28.7	2.125	3.017	9.4	20.6
2 1	10 13.08	+18 27.6	2.081	3.031	5.9	20.4
2 11	10 4.83	+19 26.9	2.066	3.045	2.8	20.2
2 21	9 56.05	+20 20.6	2.081	3.059	3.3	20.2
3 2	9 47.68	+21 3.6	2.125	3.072	6.6	20.5
3 12	9 40.59	+21 32.8	2.197	3.085	9.8	20.7
3 22	9 35.40	+21 47.3	2.293	3.097	12.7	20.9

462008 2006 XV_{6} 2 17.2 116°.84 0°.7/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.48	+ 8 16.4	2.012	2.801	14.2	22.1
1 22	10 21.31	+ 8 35.2	1.939	2.816	10.9	21.9
2 1	10 13.99	+ 9 6.5	1.889	2.831	7.1	21.7
2 11	10 5.20	+ 9 46.5	1.866	2.846	3.0	21.4
2 21	9 55.83	+10 30.3	1.873	2.860	1.6	21.3
3 2	9 46.91	+11 12.5	1.909	2.873	5.6	21.6
3 12	9 39.37	+11 48.6	1.974	2.886	9.4	21.9
3 22	9 33.85	+12 15.6	2.063	2.899	12.7	22.1

346806 2009 CL_{15} 2 17.2 340°.07 1°.4/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.11	+13 2.8	1.999	2.814	13.3	20.5
1 22	10 16.72	+13 50.6	1.913	2.809	10.1	20.3
2 1	10 11.21	+14 49.3	1.852	2.804	6.4	20.1
2 11	10 4.18	+15 53.7	1.817	2.799	2.5	19.8
2 21	9 56.44	+16 57.1	1.811	2.795	2.6	19.8
3 2	9 48.98	+17 53.4	1.834	2.791	6.5	20.0
3 12	9 42.73	+18 37.4	1.884	2.788	10.3	20.3
3 22	9 38.41	+19 6.7	1.956	2.785	13.6	20.5

198956 2005 UL_{355} 2 17.2 166°.07 3°.0/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.77	+17 34.9	1.719	2.533	15.2	20.6
1 22	10 25.13	+18 18.4	1.643	2.537	11.6	20.4
2 1	10 16.72	+19 9.0	1.591	2.541	7.4	20.2
2 11	10 6.34	+19 59.6	1.566	2.545	3.6	19.9
2 21	9 55.12	+20 42.5	1.569	2.547	4.2	20.0
3 2	9 44.41	+21 11.5	1.601	2.549	8.2	20.2
3 12	9 35.46	+21 23.6	1.660	2.551	12.2	20.5
3 22	9 29.09	+21 18.8	1.740	2.552	15.8	20.7

101529 1998 XH_{93} 2 17.2 131°.58 5°.5/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.59	− 5 40.4	2.237	2.956	15.0	19.2
1 22	10 21.24	− 6 7.0	2.155	2.971	12.5	19.1
2 1	10 13.89	− 6 14.8	2.095	2.985	9.7	18.9
2 11	10 5.17	− 6 3.1	2.060	2.999	7.0	18.8
2 21	9 55.85	− 5 33.6	2.053	3.012	5.5	18.7
3 2	9 46.87	− 4 50.1	2.075	3.024	6.5	18.8
3 12	9 39.10	− 3 58.1	2.125	3.036	9.0	19.0
3 22	9 33.17	− 3 3.5	2.201	3.047	11.7	19.1

112314 2002 LN_{56} 2 17.2 201°.27 0°.1/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.95	+ 8 31.4	2.448	3.229	12.2	20.7
1 22	10 20.01	+ 9 17.0	2.349	3.224	9.4	20.5
2 1	10 13.16	+10 14.9	2.275	3.218	6.1	20.3
2 11	10 4.91	+11 21.3	2.230	3.211	2.4	20.0
2 21	9 55.99	+12 31.0	2.216	3.203	1.5	20.0
3 2	9 47.24	+13 38.3	2.234	3.194	5.3	20.2
3 12	9 39.51	+14 38.2	2.280	3.184	8.8	20.4
3 22	9 33.44	+15 27.2	2.353	3.174	11.9	20.6

432160 2009 BS_{153} 2 17.2 22°.53 1°.2/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.39	+13 6.2	1.859	2.676	14.1	21.1
1 22	10 17.72	+13 41.4	1.786	2.681	10.7	20.9
2 1	10 11.83	+14 26.9	1.736	2.688	6.7	20.7
2 11	10 4.41	+15 17.3	1.713	2.695	2.6	20.4
2 21	9 56.35	+16 6.4	1.718	2.702	2.5	20.4
3 2	9 48.70	+16 48.4	1.751	2.710	6.6	20.7
3 12	9 42.43	+17 18.9	1.810	2.718	10.4	20.9
3 22	9 38.21	+17 35.7	1.893	2.727	13.8	21.2

309494 2007 VR_{274} 2 17.2 167°.85 8°.9/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.15	+35 22.3	2.110	2.921	12.9	21.1
1 22	10 25.47	+37 28.9	2.056	2.926	10.7	21.0
2 1	10 17.00	+39 28.6	2.027	2.931	9.2	20.9
2 11	10 6.49	+41 10.4	2.025	2.935	9.0	20.9
2 21	9 55.03	+42 25.4	2.051	2.938	10.2	21.0
3 2	9 44.01	+43 8.8	2.103	2.941	12.2	21.1
3 12	9 34.69	+43 20.9	2.177	2.943	14.4	21.2
3 22	9 27.95	+43 5.8	2.270	2.943	16.3	21.4

201921 2004 CN_{51} 2 17.2 351°.40 4°.7/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.65	+22 17.6	2.061	2.888	12.5	19.9
1 22	10 17.91	+23 38.2	1.987	2.887	9.5	19.7
2 1	10 11.99	+25 2.9	1.938	2.886	6.5	19.5
2 11	10 4.49	+26 23.6	1.917	2.885	4.7	19.4
2 21	9 56.29	+27 32.7	1.924	2.884	5.8	19.5
3 2	9 48.40	+28 24.1	1.959	2.883	8.7	19.7
3 12	9 41.83	+28 54.8	2.020	2.883	11.7	19.8
3 22	9 37.26	+29 4.8	2.102	2.882	14.5	20.0

234910 2002 TW_{271} 2 17.2 73°.39 4°.1/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.05	− 2 20.5	2.188	2.937	14.4	20.2
1 22	10 17.13	− 2 22.0	2.103	2.945	11.8	20.0
2 1	10 11.32	− 2 5.1	2.041	2.953	8.7	19.8
2 11	10 4.19	− 1 30.6	2.005	2.961	5.7	19.6
2 21	9 56.49	− 0 41.6	1.996	2.969	4.1	19.5
3 2	9 49.08	+ 0 17.3	2.016	2.977	5.6	19.6
3 12	9 42.79	+ 1 20.0	2.064	2.985	8.6	19.8
3 22	9 38.22	+ 2 20.9	2.137	2.994	11.6	20.0

144521 2004 ED_{79} 2 17.2 246°.78 0°.9/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.22	+14 18.3	2.399	3.200	11.8	19.9
1 22	10 19.44	+14 32.3	2.310	3.197	9.0	19.7
2 1	10 12.76	+14 52.6	2.245	3.193	5.7	19.5
2 11	10 4.75	+15 15.6	2.208	3.190	2.2	19.3
2 21	9 56.16	+15 37.3	2.202	3.186	2.0	19.3
3 2	9 47.84	+15 53.9	2.225	3.183	5.5	19.5
3 12	9 40.63	+16 2.8	2.277	3.179	8.9	19.7
3 22	9 35.13	+16 2.4	2.353	3.175	11.8	19.9

225293 1995 FF_{7} 2 17.2 261°.85 6°.2/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.33	+27 39.9	1.986	2.805	13.2	21.2
1 22	10 24.06	+28 39.9	1.899	2.789	10.4	21.0
2 1	10 16.11	+29 39.2	1.836	2.773	7.7	20.8
2 11	10 6.16	+30 29.2	1.800	2.756	6.2	20.7
2 21	9 55.26	+31 2.2	1.792	2.739	7.3	20.7
3 2	9 44.67	+31 12.9	1.811	2.722	10.1	20.8
3 12	9 35.66	+31 0.1	1.855	2.704	13.2	21.0
3 22	9 29.07	+30 25.9	1.920	2.687	16.1	21.1

168292 4267 $P\text{–}L$ 2 17.2 213°.40 3°.1/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.20	+20 47.9	2.263	3.076	12.1	20.1
1 22	10 21.07	+21 17.4	2.182	3.075	9.2	19.9
2 1	10 13.85	+21 49.2	2.125	3.074	6.0	19.7
2 11	10 5.18	+22 18.1	2.097	3.072	3.4	19.6
2 21	9 55.91	+22 39.1	2.098	3.071	4.0	19.6
3 2	9 46.99	+22 48.3	2.128	3.069	7.0	19.8
3 12	9 39.36	+22 44.0	2.186	3.068	10.1	20.0
3 22	9 33.66	+22 26.4	2.267	3.066	13.0	20.2

192719 1999 TT_{138} 2 17.2 29°.69 2°.0/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.19	+ 4 48.8	1.853	2.643	15.2	20.1
1 22	10 18.35	+ 4 58.6	1.771	2.646	12.0	19.9
2 1	10 12.27	+ 5 24.7	1.712	2.650	8.1	19.7
2 11	10 4.61	+ 6 4.6	1.678	2.653	4.1	19.4
2 21	9 56.25	+ 6 53.5	1.672	2.657	2.2	19.3
3 2	9 48.23	+ 7 45.5	1.694	2.661	5.8	19.5
3 12	9 41.56	+ 8 34.7	1.743	2.666	9.8	19.8
3 22	9 36.93	+ 9 16.3	1.816	2.670	13.4	20.0

93686 2000 VB_{17} 2 17.2 77°.29 2°.5/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.15	+15 50.1	1.864	2.682	14.0	20.0
1 22	10 19.80	+16 45.6	1.798	2.694	10.6	19.8
2 1	10 13.15	+17 49.3	1.755	2.707	6.7	19.6
2 11	10 4.93	+18 54.6	1.740	2.720	3.1	19.4
2 21	9 56.08	+19 54.2	1.753	2.732	3.6	19.4
3 2	9 47.71	+20 41.9	1.795	2.745	7.3	19.7
3 12	9 40.81	+21 14.0	1.863	2.757	11.0	19.9
3 22	9 36.06	+21 29.3	1.953	2.770	14.1	20.2

4040 Purcell 2 17.2 177°.66 1°.2/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.78	+13 24.3	2.048	2.853	13.4	17.4
1 22	10 20.17	+14 0.1	1.964	2.854	10.2	17.2
2 1	10 13.38	+14 45.2	1.905	2.855	6.5	17.0
2 11	10 5.03	+15 34.7	1.874	2.855	2.5	16.7
2 21	9 56.00	+16 22.9	1.872	2.855	2.4	16.7
3 2	9 47.29	+17 4.1	1.899	2.855	6.4	17.0
3 12	9 39.89	+17 34.2	1.953	2.855	10.1	17.2
3 22	9 34.48	+17 51.5	2.031	2.854	13.4	17.4

159867 2004 PU_{77} 2 17.2 135°.09 2°.1/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.69	+ 3 26.1	1.794	2.572	16.1	21.1
1 22	10 21.79	+ 3 49.4	1.717	2.584	12.7	20.9
2 1	10 14.48	+ 4 31.5	1.662	2.596	8.6	20.7
2 11	10 5.48	+ 5 29.1	1.633	2.607	4.4	20.4
2 21	9 55.76	+ 6 36.5	1.632	2.617	2.4	20.3
3 2	9 46.47	+ 7 46.7	1.661	2.627	6.1	20.6
3 12	9 38.68	+ 8 52.4	1.718	2.636	10.2	20.8
3 22	9 33.13	+ 9 48.5	1.798	2.645	13.8	21.1

293759 2007 RX_{90} 2 17.2 340°.68 1°.4/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.46	+ 6 6.2	1.340	2.157	18.5	20.8
1 22	10 18.69	+ 6 27.9	1.259	2.151	14.5	20.5
2 1	10 12.98	+ 7 11.7	1.199	2.146	9.7	20.2
2 11	10 5.03	+ 8 13.6	1.161	2.141	4.4	19.9
2 21	9 55.99	+ 9 26.4	1.149	2.136	2.2	19.7
3 2	9 47.32	+10 40.4	1.163	2.133	7.5	20.0
3 12	9 40.44	+11 46.3	1.201	2.129	12.7	20.3
3 22	9 36.30	+12 37.7	1.260	2.127	17.3	20.6

125089 2001 UB_{24} 2 17.2 108°.53 2°.9/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.28	+ 3 57.5	1.612	2.395	17.4	20.3
1 22	10 23.93	+ 3 48.9	1.541	2.410	13.8	20.1
2 1	10 15.92	+ 3 58.3	1.491	2.425	9.5	19.9
2 11	10 6.05	+ 4 23.5	1.467	2.440	5.0	19.7
2 21	9 55.44	+ 4 59.9	1.470	2.454	3.0	19.6
3 2	9 45.39	+ 5 41.7	1.501	2.467	6.6	19.8
3 12	9 37.10	+ 6 22.4	1.559	2.481	10.9	20.1
3 22	9 31.32	+ 6 56.9	1.641	2.493	14.6	20.4

212129 2005 ED_{219} 2 17.2 247°.32 1°.3/16.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.51	+13 20.0	1.953	2.758	14.0	21.3
1 22	10 21.79	+13 54.9	1.854	2.743	10.7	21.0
2 1	10 14.64	+14 40.4	1.778	2.727	6.9	20.7
2 11	10 5.62	+15 31.6	1.729	2.711	2.7	20.4
2 21	9 55.65	+16 22.3	1.710	2.694	2.6	20.4
3 2	9 45.86	+17 6.2	1.720	2.676	6.9	20.6
3 12	9 37.37	+17 38.4	1.756	2.658	11.1	20.8
3 22	9 31.05	+17 56.6	1.816	2.640	14.7	21.0

8811 Waltherschmadel 2 17.2 61°.40 2°.0/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.25	+ 5 24.2	1.809	2.599	15.5	18.1
1 22	10 19.91	+ 5 25.6	1.733	2.608	12.2	17.9
2 1	10 13.27	+ 5 42.4	1.679	2.617	8.3	17.7
2 11	10 5.02	+ 6 12.2	1.651	2.626	4.1	17.5
2 21	9 56.09	+ 6 50.4	1.650	2.636	2.3	17.3
3 2	9 47.59	+ 7 31.8	1.678	2.645	5.9	17.6
3 12	9 40.53	+ 8 10.5	1.733	2.655	9.9	17.9
3 22	9 35.61	+ 8 42.4	1.812	2.664	13.5	18.1

463317 2012 JK_{51} 2 17.2 207°.03 3°.4/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.07	− 0 30.8	2.079	2.839	14.8	21.9
1 22	10 18.11	− 0 16.0	1.985	2.836	11.9	21.7
2 1	10 12.09	+ 0 18.3	1.913	2.834	8.6	21.5
2 11	10 4.58	+ 1 10.5	1.866	2.831	5.2	21.2
2 21	9 56.34	+ 2 16.7	1.848	2.828	3.4	21.1
3 2	9 48.32	+ 3 31.1	1.859	2.824	5.7	21.3
3 12	9 41.46	+ 4 46.7	1.898	2.820	9.2	21.5
3 22	9 36.44	+ 5 57.4	1.962	2.817	12.5	21.7

473956 2016 EN_{181} 2 17.2 306°.77 6°.3/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 19.79	− 5 47.2	1.737	2.488	17.6	21.3
1 22	10 16.94	− 5 59.6	1.632	2.469	14.8	21.1
2 1	10 11.67	− 5 46.5	1.547	2.450	11.6	20.8
2 11	10 4.52	− 5 6.3	1.484	2.432	8.3	20.6
2 21	9 56.33	− 4 0.7	1.447	2.414	6.3	20.4
3 2	9 48.24	− 2 35.2	1.437	2.397	7.6	20.4
3 12	9 41.41	− 0 58.7	1.452	2.379	11.0	20.6
3 22	9 36.74	+ 0 39.0	1.491	2.362	14.8	20.8

69025 2002 VS_{84} 2 17.2 91°.24 1°.3/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.59	+ 5 9.3	1.974	2.753	14.8	19.5
1 22	10 21.32	+ 5 41.3	1.913	2.783	11.5	19.3
2 1	10 13.95	+ 6 28.7	1.875	2.812	7.6	19.2
2 11	10 5.22	+ 7 27.3	1.864	2.841	3.5	19.0
2 21	9 56.02	+ 8 31.4	1.883	2.869	1.8	18.9
3 2	9 47.36	+ 9 34.7	1.931	2.896	5.5	19.2
3 12	9 40.13	+10 31.7	2.008	2.923	9.2	19.5
3 22	9 34.92	+11 18.5	2.110	2.949	12.4	19.7

20369 1998 KE_{16} 2 17.2 159°.24 7°.1/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.89	+34 4.0	2.445	3.252	11.4	18.7
1 22	10 23.20	+35 24.4	2.385	3.258	9.3	18.6
2 1	10 15.27	+36 38.7	2.351	3.264	7.6	18.5
2 11	10 5.77	+37 38.9	2.344	3.269	7.1	18.4
2 21	9 55.65	+38 19.1	2.366	3.274	8.1	18.5
3 2	9 45.97	+38 35.9	2.415	3.278	9.9	18.6
3 12	9 37.73	+38 29.3	2.487	3.282	12.0	18.8
3 22	9 31.59	+38 2.1	2.581	3.285	13.9	18.9

169397 2001 VE_{113} 2 17.2 140°.31 2°.5/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.03	+ 0 57.1	2.992	3.736	11.0	21.1
1 22	10 17.34	+ 0 58.5	2.905	3.748	8.8	21.0
2 1	10 11.23	+ 1 11.9	2.841	3.759	6.3	20.8
2 11	10 4.14	+ 1 35.9	2.806	3.769	3.8	20.7
2 21	9 56.66	+ 2 8.2	2.801	3.779	2.6	20.6
3 2	9 49.39	+ 2 45.6	2.827	3.789	4.2	20.7
3 12	9 42.97	+ 3 24.7	2.883	3.798	6.7	20.9
3 22	9 37.84	+ 4 1.9	2.965	3.807	9.1	21.1

129900 1999 TE_{44} 2 17.2 299°.60 0°.6/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.55	+12 11.8	1.980	2.785	13.8	20.1
1 22	10 20.07	+12 30.8	1.896	2.784	10.6	19.9
2 1	10 13.37	+12 59.5	1.835	2.783	6.8	19.6
2 11	10 5.07	+13 33.9	1.801	2.782	2.6	19.4
2 21	9 56.07	+14 8.7	1.795	2.781	1.9	19.3
3 2	9 47.40	+14 39.0	1.819	2.780	6.2	19.6
3 12	9 40.06	+15 0.8	1.870	2.779	10.1	19.8
3 22	9 34.76	+15 11.8	1.944	2.778	13.5	20.0

275193 2009 WF_{102} 2 17.2 151°.93 1°.0/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.69	+ 6 3.7	2.157	2.941	13.5	21.5
1 22	10 18.45	+ 6 34.8	2.071	2.945	10.5	21.3
2 1	10 12.23	+ 7 20.3	2.010	2.949	7.0	21.1
2 11	10 4.61	+ 8 16.9	1.975	2.953	3.1	20.8
2 21	9 56.36	+ 9 19.4	1.970	2.956	1.6	20.7
3 2	9 48.40	+10 22.2	1.994	2.960	5.3	21.0
3 12	9 41.60	+11 19.5	2.047	2.963	9.0	21.2
3 22	9 36.60	+12 7.5	2.125	2.965	12.2	21.4

14313 Dodaira 2 17.2 159°.72 3°.7/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.05	− 2 36.1	2.563	3.300	12.8	18.7
1 22	10 16.91	− 2 30.1	2.470	3.304	10.5	18.5
2 1	10 11.11	− 2 7.7	2.400	3.307	7.8	18.4
2 11	10 4.15	− 1 29.7	2.356	3.311	5.1	18.2
2 21	9 56.66	− 0 38.9	2.341	3.314	3.7	18.1
3 2	9 49.39	+ 0 20.6	2.356	3.316	5.0	18.2
3 12	9 43.05	+ 1 23.6	2.400	3.319	7.7	18.4
3 22	9 38.19	+ 2 25.1	2.470	3.321	10.4	18.5

192379 1996 GS_{6} 2 17.2 198°.19 0°.9/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.63	+ 6 35.2	2.263	3.048	12.9	20.9
1 22	10 17.60	+ 7 5.7	2.172	3.047	10.1	20.7
2 1	10 11.68	+ 7 49.9	2.105	3.045	6.6	20.4
2 11	10 4.40	+ 8 44.3	2.066	3.044	2.9	20.2
2 21	9 56.50	+ 9 44.3	2.056	3.042	1.5	20.1
3 2	9 48.83	+10 44.4	2.076	3.040	5.2	20.3
3 12	9 42.23	+11 39.5	2.124	3.038	8.8	20.5
3 22	9 37.34	+12 25.5	2.197	3.036	11.9	20.7

417182 2005 WX_{138} 2 17.2 344°.42 7°.6/11.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.42	+25 42.2	1.371	2.222	16.2	20.9
1 22	10 18.91	+27 7.0	1.301	2.211	12.7	20.6
2 1	10 13.23	+28 34.6	1.252	2.200	9.3	20.4
2 11	10 5.18	+29 53.0	1.227	2.190	7.6	20.3
2 21	9 56.00	+30 50.5	1.227	2.182	9.1	20.3
3 2	9 47.32	+31 19.2	1.251	2.174	12.5	20.5
3 12	9 40.63	+31 16.6	1.296	2.168	16.3	20.7
3 22	9 36.91	+30 45.5	1.360	2.164	19.8	20.9

308728 2006 HP_{36} 2 17.2 316°.28 1°.0/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.49	+ 8 5.4	1.313	2.136	18.5	20.4
1 22	10 19.74	+ 8 14.4	1.222	2.118	14.5	20.1
2 1	10 13.86	+ 8 42.8	1.151	2.101	9.7	19.8
2 11	10 5.48	+ 9 27.1	1.103	2.084	4.2	19.4
2 21	9 55.76	+10 21.0	1.080	2.067	2.2	19.2
3 2	9 46.25	+11 15.8	1.082	2.052	8.0	19.5
3 12	9 38.52	+12 3.0	1.108	2.036	13.6	19.8
3 22	9 33.71	+12 36.8	1.154	2.022	18.4	20.0

26345 Gedankien 2 17.2 131°.19 0°.2/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.25	+ 7 58.7	1.727	2.522	15.9	18.5
1 22	10 22.32	+ 8 44.4	1.654	2.536	12.2	18.2
2 1	10 14.88	+ 9 46.5	1.604	2.549	7.9	18.0
2 11	10 5.67	+10 59.5	1.581	2.561	3.1	17.8
2 21	9 55.74	+12 16.0	1.586	2.573	1.8	17.7
3 2	9 46.29	+13 27.9	1.621	2.584	6.6	18.0
3 12	9 38.42	+14 28.8	1.683	2.594	10.9	18.3
3 22	9 32.90	+15 15.0	1.768	2.604	14.5	18.5

428513 2007 YL_{51} 2 17.2 186°.23 2°.9/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.43	+ 1 5.5	2.641	3.392	12.2	21.3
1 22	10 17.91	+ 0 56.9	2.545	3.392	9.8	21.1
2 1	10 11.74	+ 1 1.3	2.472	3.391	7.0	20.9
2 11	10 4.40	+ 1 17.7	2.427	3.390	4.3	20.8
2 21	9 56.52	+ 1 43.9	2.412	3.389	3.0	20.7
3 2	9 48.84	+ 2 16.7	2.426	3.388	4.8	20.8
3 12	9 42.07	+ 2 52.1	2.470	3.387	7.6	21.0
3 22	9 36.78	+ 3 26.4	2.539	3.385	10.3	21.1

98331 2000 SL_{290} 2 17.2 25°.39 1°.0/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.39	+ 9 34.4	1.033	1.873	21.1	18.6
1 22	10 21.28	+ 9 24.2	0.981	1.887	16.3	18.3
2 1	10 14.68	+ 9 32.5	0.948	1.902	10.6	18.1
2 11	10 5.66	+ 9 54.3	0.937	1.918	4.4	17.8
2 21	9 55.79	+10 22.7	0.949	1.936	2.3	17.7
3 2	9 46.85	+10 49.7	0.985	1.955	8.3	18.1
3 12	9 40.35	+11 8.7	1.043	1.976	13.7	18.5
3 22	9 37.09	+11 16.0	1.120	1.997	18.2	18.8

341652 2007 VG_{52} 2 17.2 54°.07 5°.1/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.39	+26 0.1	2.153	2.974	12.3	20.9
1 22	10 20.59	+26 53.3	2.087	2.981	9.5	20.7
2 1	10 13.61	+27 45.5	2.047	2.988	6.7	20.5
2 11	10 5.13	+28 29.8	2.034	2.995	5.1	20.5
2 21	9 56.09	+29 0.2	2.049	3.002	6.0	20.5
3 2	9 47.52	+29 12.8	2.092	3.010	8.5	20.7
3 12	9 40.37	+29 6.7	2.160	3.017	11.3	20.9
3 22	9 35.26	+28 43.2	2.251	3.025	13.8	21.1

370184 2002 CM_{82} 2 17.2 350°.58 0°.8/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.44	+13 49.1	1.676	2.491	15.5	20.4
1 22	10 21.90	+13 50.8	1.594	2.488	11.8	20.1
2 1	10 14.73	+14 1.2	1.535	2.486	7.6	19.9
2 11	10 5.66	+14 15.9	1.502	2.484	2.9	19.6
2 21	9 55.75	+14 29.8	1.496	2.482	2.3	19.5
3 2	9 46.27	+14 38.2	1.519	2.481	7.0	19.8
3 12	9 38.42	+14 37.6	1.567	2.480	11.4	20.0
3 22	9 33.01	+14 26.6	1.637	2.480	15.2	20.3

276217 2002 QB_{111} 2 17.2 166°.71 0°.8/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.79	+ 6 1.3	2.224	3.010	13.1	21.1
1 22	10 16.99	+ 6 45.0	2.136	3.011	10.2	20.9
2 1	10 11.30	+ 7 43.7	2.071	3.012	6.7	20.7
2 11	10 4.26	+ 8 53.6	2.034	3.013	2.9	20.4
2 21	9 56.60	+10 9.2	2.027	3.013	1.4	20.3
3 2	9 49.19	+11 24.4	2.049	3.014	5.2	20.6
3 12	9 42.85	+12 33.2	2.100	3.014	8.9	20.8
3 22	9 38.22	+13 31.3	2.176	3.015	12.1	21.0

62575 2000 SL_{278} 2 17.2 247°.98 5°.4/22.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.21	− 5 59.7	2.217	2.943	14.9	19.0
1 22	10 18.21	− 6 9.2	2.109	2.930	12.5	18.8
2 1	10 12.20	− 5 58.2	2.023	2.917	9.8	18.6
2 11	10 4.66	− 5 26.1	1.961	2.903	7.0	18.4
2 21	9 56.33	− 4 34.4	1.926	2.889	5.5	18.3
3 2	9 48.11	− 3 27.4	1.921	2.875	6.5	18.3
3 12	9 40.91	− 2 11.4	1.943	2.860	9.3	18.4
3 22	9 35.47	− 0 53.5	1.990	2.845	12.3	18.6

490705 2010 PT_{63} 2 17.2 217°.89 0°.9/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.74	+ 8 29.2	1.857	2.649	15.1	21.4
1 22	10 22.72	+ 8 33.9	1.764	2.643	11.8	21.2
2 1	10 15.21	+ 8 51.5	1.695	2.637	7.8	20.9
2 11	10 5.86	+ 9 19.0	1.652	2.631	3.4	20.6
2 21	9 55.61	+ 9 51.8	1.637	2.624	1.8	20.5
3 2	9 45.65	+10 24.7	1.652	2.616	6.3	20.8
3 12	9 37.11	+10 52.7	1.693	2.609	10.6	21.0
3 22	9 30.81	+11 12.3	1.759	2.600	14.3	21.2

359408 2010 JG_{115} 2 17.2 238°.57 5°.0/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 29.26	+21 56.9	1.647	2.473	15.2	20.6
1 22	10 24.36	+22 57.3	1.566	2.465	11.7	20.3
2 1	10 16.50	+24 2.8	1.508	2.456	7.9	20.1
2 11	10 6.42	+25 4.1	1.476	2.447	5.2	19.9
2 21	9 55.28	+25 52.0	1.471	2.438	6.3	20.0
3 2	9 44.53	+26 19.7	1.494	2.428	9.9	20.1
3 12	9 35.59	+26 24.3	1.541	2.419	13.9	20.3
3 22	9 29.38	+26 7.1	1.609	2.408	17.4	20.6

374110 2004 SH_{24} 2 17.2 185°.33 2°.3/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.40	+17 13.7	2.269	3.077	12.2	21.8
1 22	10 20.49	+17 55.3	2.186	3.077	9.2	21.6
2 1	10 13.54	+18 42.8	2.127	3.077	5.9	21.3
2 11	10 5.13	+19 30.8	2.097	3.076	2.8	21.1
2 21	9 56.10	+20 13.7	2.097	3.075	3.3	21.2
3 2	9 47.36	+20 46.9	2.126	3.073	6.5	21.4
3 12	9 39.84	+21 7.1	2.183	3.072	9.9	21.6
3 22	9 34.19	+21 13.7	2.264	3.069	12.8	21.8

320395 2007 UQ_{73} 2 17.2 258°.01 0°.4/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.97	+ 9 1.0	1.738	2.539	15.6	21.7
1 22	10 21.66	+ 9 22.4	1.639	2.524	12.2	21.4
2 1	10 14.72	+ 9 58.9	1.562	2.508	8.0	21.1
2 11	10 5.73	+10 46.7	1.512	2.492	3.3	20.8
2 21	9 55.67	+11 39.9	1.489	2.476	1.8	20.7
3 2	9 45.78	+12 31.7	1.495	2.460	6.8	20.9
3 12	9 37.32	+13 15.6	1.528	2.443	11.5	21.2
3 22	9 31.21	+13 47.6	1.583	2.426	15.6	21.4

422015 2014 QO_{333} 2 17.2 275°.60 2°.8/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.63	+16 11.0	1.620	2.444	15.5	21.6
1 22	10 21.56	+16 59.8	1.534	2.434	11.8	21.4
2 1	10 14.69	+17 59.0	1.472	2.425	7.6	21.1
2 11	10 5.71	+19 1.6	1.435	2.415	3.5	20.8
2 21	9 55.71	+19 59.0	1.425	2.405	4.1	20.8
3 2	9 46.03	+20 43.6	1.443	2.395	8.5	21.1
3 12	9 37.99	+21 10.5	1.487	2.386	12.9	21.3
3 22	9 32.51	+21 18.3	1.551	2.376	16.7	21.5

489562 2007 TU_{21} 2 17.2 117°.75 1°.8/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.23	+14 2.8	1.844	2.651	14.6	22.1
1 22	10 22.88	+14 52.6	1.778	2.668	11.0	21.9
2 1	10 15.14	+15 52.0	1.736	2.685	6.9	21.7
2 11	10 5.76	+16 54.5	1.721	2.702	2.8	21.4
2 21	9 55.75	+17 52.8	1.736	2.718	3.0	21.5
3 2	9 46.29	+18 40.9	1.780	2.733	7.0	21.8
3 12	9 38.40	+19 14.6	1.850	2.748	10.9	22.0
3 22	9 32.79	+19 32.6	1.944	2.762	14.1	22.3

417036 2005 UQ_{111} 2 17.2 67°.08 11°.5/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.80	−20 36.3	1.996	2.632	18.8	21.0
1 22	10 18.93	−21 45.8	1.910	2.636	17.0	20.8
2 1	10 12.77	−22 27.2	1.842	2.639	15.1	20.7
2 11	10 4.91	−22 35.9	1.792	2.643	13.2	20.5
2 21	9 56.22	−22 10.0	1.764	2.647	11.9	20.5
3 2	9 47.75	−21 11.3	1.760	2.650	11.6	20.5
3 12	9 40.57	−19 46.5	1.780	2.654	12.5	20.5
3 22	9 35.47	−18 4.9	1.823	2.658	14.2	20.6

462016 2006 XQ_{65} 2 17.2 16°.15 9°.7/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.04	− 8 45.2	1.352	2.108	21.5	20.5
1 22	10 18.25	− 9 56.2	1.283	2.113	18.5	20.3
2 1	10 12.62	−10 37.6	1.230	2.120	15.0	20.1
2 11	10 4.90	−10 45.3	1.198	2.128	11.8	19.9
2 21	9 56.24	−10 19.2	1.187	2.137	9.9	19.9
3 2	9 48.03	− 9 24.0	1.200	2.148	10.4	19.9
3 12	9 41.59	− 8 9.4	1.237	2.159	13.0	20.1
3 22	9 37.82	− 6 46.8	1.294	2.172	16.2	20.3

291977 2006 QR_{79} 2 17.2 154°.31 0°.7/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.81	+ 8 5.1	2.723	3.501	11.2	21.4
1 22	10 18.12	+ 8 17.5	2.635	3.507	8.6	21.2
2 1	10 11.82	+ 8 39.3	2.573	3.512	5.7	21.0
2 11	10 4.43	+ 9 7.8	2.538	3.517	2.5	20.8
2 21	9 56.57	+ 9 39.8	2.535	3.521	1.3	20.7
3 2	9 48.95	+10 11.8	2.562	3.525	4.4	21.0
3 12	9 42.27	+10 40.5	2.618	3.529	7.5	21.2
3 22	9 37.04	+11 3.2	2.700	3.533	10.2	21.4

123024 2000 SM_{276} 2 17.2 195°.24 5°.1/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.00	− 2 28.5	2.138	2.878	15.0	20.1
1 22	10 21.06	− 3 4.4	2.044	2.877	12.4	19.9
2 1	10 13.98	− 3 23.6	1.971	2.876	9.4	19.7
2 11	10 5.35	− 3 25.5	1.924	2.874	6.5	19.5
2 21	9 55.98	− 3 11.1	1.905	2.872	5.1	19.4
3 2	9 46.83	− 2 43.6	1.915	2.870	6.5	19.5
3 12	9 38.86	− 2 8.0	1.952	2.867	9.4	19.7
3 22	9 32.79	− 1 29.5	2.015	2.864	12.4	19.8

363142 2001 QS_{323} 2 17.2 119°.20 0°.7/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 24.31	+ 5 37.4	2.255	3.031	13.3	21.7
1 22	10 19.50	+ 6 31.7	2.181	3.051	10.2	21.6
2 1	10 12.80	+ 7 40.6	2.132	3.071	6.7	21.4
2 11	10 4.83	+ 8 59.8	2.111	3.089	2.9	21.2
2 21	9 56.35	+10 23.2	2.121	3.108	1.4	21.1
3 2	9 48.23	+11 44.4	2.162	3.125	5.1	21.4
3 12	9 41.29	+12 57.5	2.232	3.142	8.6	21.6
3 22	9 36.10	+13 58.9	2.327	3.158	11.7	21.8

57602 2001 TA_{102} 2 17.2 30°.68 1°.0/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.16	+14 7.9	1.958	2.769	13.7	19.4
1 22	10 19.71	+14 20.9	1.884	2.777	10.4	19.2
2 1	10 13.09	+14 41.6	1.835	2.785	6.6	18.9
2 11	10 4.97	+15 5.4	1.812	2.794	2.5	18.7
2 21	9 56.27	+15 27.8	1.818	2.803	2.2	18.7
3 2	9 48.01	+15 44.3	1.852	2.812	6.2	19.0
3 12	9 41.14	+15 51.8	1.914	2.822	9.9	19.2
3 22	9 36.30	+15 49.1	1.999	2.832	13.2	19.4

208261 2000 WW_{22} 2 17.2 105°.06 0°.3/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.33	+ 7 52.5	1.760	2.554	15.7	21.0
1 22	10 22.23	+ 8 34.0	1.695	2.576	12.1	20.8
2 1	10 14.74	+ 9 31.0	1.653	2.597	7.8	20.6
2 11	10 5.62	+10 38.0	1.637	2.617	3.1	20.4
2 21	9 55.88	+11 48.0	1.651	2.637	1.7	20.3
3 2	9 46.70	+12 53.8	1.693	2.657	6.3	20.6
3 12	9 39.11	+13 49.3	1.763	2.675	10.4	20.9
3 22	9 33.80	+14 31.2	1.857	2.693	13.9	21.2

207024 2004 VX_{47} 2 17.2 21°.78 0°.6/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.46	+10 7.0	1.135	1.975	19.7	20.1
1 22	10 18.96	+10 44.9	1.075	1.982	15.1	19.9
2 1	10 13.22	+11 42.7	1.035	1.990	9.6	19.6
2 11	10 5.16	+12 53.0	1.017	2.000	3.7	19.3
2 21	9 56.15	+14 5.5	1.024	2.011	2.7	19.3
3 2	9 47.83	+15 9.6	1.056	2.023	8.5	19.6
3 12	9 41.67	+15 57.3	1.110	2.035	13.8	20.0
3 22	9 38.53	+16 25.0	1.184	2.049	18.2	20.3

208260 2000 WT_{16} 2 17.2 37°.21 1°.2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.38	+ 7 34.1	1.245	2.067	19.4	20.1
1 22	10 20.85	+ 7 46.0	1.185	2.080	15.0	19.9
2 1	10 14.26	+ 8 17.6	1.145	2.094	9.9	19.6
2 11	10 5.52	+ 9 3.9	1.128	2.108	4.2	19.4
2 21	9 55.95	+ 9 57.4	1.136	2.123	2.1	19.3
3 2	9 47.09	+10 49.5	1.170	2.139	7.5	19.6
3 12	9 40.30	+11 32.7	1.228	2.156	12.6	20.0
3 22	9 36.39	+12 2.5	1.307	2.173	16.8	20.3

148022 1998 CH_{4} 2 17.2 318°.05 0°.9/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.22	+ 6 43.2	2.186	2.977	13.2	19.9
1 22	10 16.64	+ 7 9.1	2.093	2.971	10.2	19.7
2 1	10 11.14	+ 7 48.8	2.024	2.965	6.8	19.5
2 11	10 4.24	+ 8 39.2	1.981	2.960	3.0	19.2
2 21	9 56.70	+ 9 35.7	1.968	2.954	1.5	19.1
3 2	9 49.36	+10 32.7	1.984	2.949	5.3	19.4
3 12	9 43.11	+11 24.9	2.027	2.944	9.0	19.6
3 22	9 38.58	+12 8.4	2.095	2.940	12.2	19.8

292465 2006 SY_{375} 2 17.2 130°.71 2°.3/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.54	+ 0 56.8	2.524	3.284	12.5	21.3
1 22	10 15.81	+ 1 28.1	2.434	3.288	9.9	21.2
2 1	10 10.45	+ 2 15.2	2.366	3.291	7.0	21.0
2 11	10 3.94	+ 3 16.0	2.327	3.295	3.9	20.8
2 21	9 56.91	+ 4 26.3	2.316	3.299	2.3	20.7
3 2	9 50.11	+ 5 41.0	2.337	3.302	4.6	20.8
3 12	9 44.23	+ 6 54.5	2.386	3.306	7.7	21.0
3 22	9 39.82	+ 8 2.0	2.461	3.309	10.5	21.2

100741 1998 DS_{23} 2 17.2 32°.12 4°.8/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.44	+21 42.6	1.210	2.054	18.5	18.5
1 22	10 24.66	+22 9.0	1.169	2.077	14.0	18.3
2 1	10 16.55	+22 37.4	1.148	2.101	9.2	18.1
2 11	10 6.33	+22 58.5	1.150	2.127	5.2	18.0
2 21	9 55.57	+23 5.0	1.178	2.153	5.9	18.1
3 2	9 45.96	+22 52.7	1.231	2.181	9.9	18.4
3 12	9 38.82	+22 21.8	1.307	2.209	14.1	18.7
3 22	9 34.80	+21 35.3	1.404	2.238	17.7	19.0

371175 2005 YG_{80} 2 17.2 59°.48 1°.7/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.89	+14 1.1	1.820	2.636	14.4	21.1
1 22	10 19.72	+14 43.4	1.748	2.643	10.9	20.9
2 1	10 13.21	+15 35.7	1.699	2.651	6.9	20.7
2 11	10 5.07	+16 32.0	1.676	2.658	2.8	20.4
2 21	9 56.25	+17 25.4	1.682	2.665	2.9	20.5
3 2	9 47.85	+18 9.8	1.717	2.673	7.0	20.7
3 12	9 40.93	+18 40.9	1.777	2.681	10.9	21.0
3 22	9 36.18	+18 56.9	1.860	2.688	14.2	21.2

14922 Ohyama 2 17.2 123°.79 2°.2/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 31.35	+15 54.4	1.758	2.566	15.2	18.6
1 22	10 25.37	+16 33.3	1.692	2.583	11.5	18.4
2 1	10 16.80	+17 19.9	1.650	2.600	7.3	18.2
2 11	10 6.44	+18 7.5	1.635	2.615	3.2	18.0
2 21	9 55.44	+18 49.2	1.649	2.630	3.4	18.0
3 2	9 45.05	+19 19.4	1.692	2.644	7.5	18.3
3 12	9 36.43	+19 34.9	1.762	2.658	11.4	18.6
3 22	9 30.29	+19 35.4	1.855	2.671	14.8	18.8

286532 2002 CM_{87} 2 17.2 86°.04 1°.1/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.70	+13 40.2	1.504	2.319	17.0	20.7
1 22	10 25.22	+13 55.0	1.440	2.334	12.9	20.5
2 1	10 16.85	+14 20.0	1.398	2.349	8.2	20.3
2 11	10 6.50	+14 49.3	1.382	2.364	3.2	20.0
2 21	9 55.43	+15 16.5	1.393	2.379	2.6	20.0
3 2	9 45.07	+15 35.8	1.432	2.393	7.5	20.3
3 12	9 36.69	+15 43.7	1.497	2.408	12.0	20.6
3 22	9 31.07	+15 39.1	1.584	2.422	15.8	20.9

499018 2009 CK_{60} 2 17.2 77°.72 0°.5/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.83	+10 49.9	2.210	3.011	12.7	21.4
1 22	10 17.71	+11 32.7	2.138	3.024	9.6	21.2
2 1	10 11.72	+12 26.0	2.090	3.038	6.1	21.0
2 11	10 4.44	+13 25.2	2.070	3.051	2.3	20.8
2 21	9 56.66	+14 24.7	2.079	3.065	1.8	20.7
3 2	9 49.22	+15 19.1	2.118	3.078	5.5	21.0
3 12	9 42.96	+16 4.1	2.185	3.092	9.0	21.3
3 22	9 38.43	+16 37.2	2.277	3.105	11.9	21.5

327031 2004 RD_{290} 2 17.2 123°.93 5°.5/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.26	+27 18.9	2.204	3.018	12.3	21.0
1 22	10 23.47	+28 18.0	2.143	3.031	9.6	20.8
2 1	10 15.44	+29 14.8	2.107	3.044	6.9	20.7
2 11	10 5.89	+30 2.1	2.100	3.056	5.5	20.6
2 21	9 55.80	+30 33.8	2.121	3.068	6.4	20.7
3 2	9 46.24	+30 46.2	2.170	3.080	8.7	20.8
3 12	9 38.18	+30 38.9	2.245	3.091	11.4	21.0
3 22	9 32.27	+30 13.9	2.343	3.102	13.8	21.2

23022 1999 WJ_{4} 2 17.2 76°.09 0°.4/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.87	+11 22.0	2.008	2.811	13.7	18.5
1 22	10 19.50	+11 46.1	1.928	2.816	10.5	18.3
2 1	10 12.99	+12 20.6	1.873	2.820	6.7	18.1
2 11	10 4.98	+13 1.4	1.844	2.825	2.6	17.9
2 21	9 56.32	+13 43.1	1.844	2.830	1.8	17.8
3 2	9 48.03	+14 20.6	1.873	2.835	6.0	18.1
3 12	9 41.05	+14 49.6	1.930	2.840	9.8	18.3
3 22	9 36.04	+15 7.8	2.010	2.845	13.1	18.6

450986 2008 SB_{285} 2 17.2 54°.60 1°.3/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.98	+ 5 51.0	1.388	2.197	18.4	21.3
1 22	10 20.43	+ 6 21.5	1.316	2.204	14.3	21.0
2 1	10 14.00	+ 7 13.7	1.265	2.210	9.5	20.8
2 11	10 5.47	+ 8 22.8	1.237	2.217	4.2	20.5
2 21	9 56.02	+ 9 40.8	1.236	2.223	2.1	20.3
3 2	9 47.07	+10 58.0	1.262	2.230	7.2	20.7
3 12	9 39.95	+12 5.8	1.313	2.237	12.2	21.0
3 22	9 35.52	+12 58.4	1.385	2.245	16.4	21.2

450981 2008 SM_{84} 2 17.2 128°.36 2°.5/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.86	+ 3 32.2	1.669	2.450	17.0	22.1
1 22	10 22.88	+ 3 40.8	1.594	2.462	13.4	21.8
2 1	10 15.32	+ 4 8.5	1.540	2.474	9.2	21.6
2 11	10 5.92	+ 4 52.3	1.511	2.485	4.8	21.4
2 21	9 55.76	+ 5 47.2	1.511	2.495	2.7	21.3
3 2	9 46.07	+ 6 46.2	1.539	2.505	6.4	21.5
3 12	9 38.01	+ 7 42.3	1.593	2.514	10.7	21.8
3 22	9 32.37	+ 8 30.1	1.672	2.523	14.5	22.0

243565 1995 OU_{7} 2 17.2 110°.69 3°.4/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.84	− 0 7.5	2.501	3.249	12.9	20.8
1 22	10 18.27	− 0 17.6	2.417	3.260	10.4	20.6
2 1	10 11.99	− 0 13.3	2.355	3.270	7.6	20.5
2 11	10 4.54	+ 0 4.4	2.321	3.281	4.8	20.3
2 21	9 56.61	+ 0 33.2	2.315	3.291	3.4	20.2
3 2	9 48.94	+ 1 9.5	2.340	3.301	5.0	20.4
3 12	9 42.29	+ 1 49.0	2.393	3.311	7.8	20.5
3 22	9 37.19	+ 2 27.6	2.472	3.320	10.5	20.7

272606 2005 WV_{14} 2 17.2 181°.50 1°.8/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.23	+15 7.4	2.111	2.919	13.0	21.2
1 22	10 20.52	+15 48.7	2.028	2.919	9.8	21.0
2 1	10 13.65	+16 37.9	1.970	2.919	6.2	20.8
2 11	10 5.25	+17 29.8	1.939	2.919	2.7	20.5
2 21	9 56.16	+18 18.5	1.938	2.919	2.9	20.6
3 2	9 47.40	+18 58.5	1.966	2.918	6.6	20.8
3 12	9 39.91	+19 26.1	2.021	2.917	10.1	21.0
3 22	9 34.39	+19 39.8	2.100	2.916	13.3	21.2

108879 2001 OB_{106} 2 17.2 77°.75 9°.3/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.64	−20 46.7	1.933	2.572	19.3	20.0
1 22	10 18.65	−20 28.8	1.856	2.594	17.1	19.8
2 1	10 12.45	−19 35.8	1.795	2.615	14.5	19.7
2 11	10 4.76	−18 5.7	1.755	2.636	11.8	19.5
2 21	9 56.49	−16 1.4	1.740	2.658	9.8	19.5
3 2	9 48.67	−13 30.1	1.752	2.678	9.3	19.5
3 12	9 42.27	−10 43.8	1.793	2.699	10.6	19.6
3 22	9 37.93	− 7 55.1	1.861	2.720	12.9	19.8

451070 2009 BZ_{17} 2 17.2 66°.80 1°.3/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.29	+12 45.0	1.380	2.202	17.8	21.8
1 22	10 23.54	+13 19.3	1.324	2.222	13.5	21.6
2 1	10 15.83	+14 6.6	1.289	2.242	8.5	21.4
2 11	10 6.11	+14 59.6	1.279	2.261	3.3	21.1
2 21	9 55.69	+15 50.0	1.296	2.281	2.9	21.2
3 2	9 46.05	+16 30.5	1.340	2.301	7.9	21.5
3 12	9 38.48	+16 56.2	1.409	2.321	12.5	21.8
3 22	9 33.71	+17 5.9	1.499	2.341	16.4	22.1

238088 2003 GY_{26} 2 17.2 282°.55 5°.2/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.34	+21 48.0	1.470	2.302	16.4	20.2
1 22	10 24.91	+22 39.4	1.383	2.285	12.7	19.9
2 1	10 17.16	+23 36.6	1.317	2.268	8.6	19.7
2 11	10 6.82	+24 30.0	1.277	2.250	5.5	19.4
2 21	9 55.15	+25 9.8	1.263	2.233	6.6	19.4
3 2	9 43.82	+25 28.1	1.275	2.216	10.7	19.6
3 12	9 34.44	+25 21.9	1.311	2.198	15.1	19.8
3 22	9 28.11	+24 52.5	1.366	2.181	19.1	20.0

306468 1999 RF_{104} 2 17.2 139°.48 2°.5/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.31	+ 2 7.5	1.934	2.704	15.4	20.7
1 22	10 20.64	+ 2 27.3	1.853	2.715	12.2	20.5
2 1	10 13.75	+ 3 5.7	1.795	2.724	8.5	20.3
2 11	10 5.30	+ 3 59.9	1.762	2.733	4.6	20.1
2 21	9 56.16	+ 5 5.1	1.758	2.742	2.6	20.0
3 2	9 47.38	+ 6 14.8	1.784	2.750	5.7	20.2
3 12	9 39.95	+ 7 22.1	1.837	2.757	9.6	20.5
3 22	9 34.56	+ 8 21.5	1.915	2.764	13.0	20.7

21443 1998 HN_{8} 2 17.2 247°.60 0°.8/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.87	+11 1.9	1.712	2.522	15.4	18.6
1 22	10 20.80	+11 42.7	1.624	2.515	11.9	18.4
2 1	10 14.15	+12 38.0	1.557	2.507	7.6	18.1
2 11	10 5.55	+13 42.4	1.517	2.499	2.9	17.8
2 21	9 55.99	+14 48.7	1.506	2.491	2.3	17.7
3 2	9 46.71	+15 49.1	1.522	2.483	7.1	18.0
3 12	9 38.91	+16 37.4	1.564	2.474	11.6	18.3
3 22	9 33.46	+17 10.1	1.629	2.466	15.5	18.5

341815 2007 XY_{57} 2 17.2 123°.96 3°.5/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.97	− 1 5.1	2.564	3.307	12.7	21.1
1 22	10 17.60	− 1 11.8	2.476	3.315	10.3	20.9
2 1	10 11.58	− 1 3.8	2.411	3.322	7.6	20.8
2 11	10 4.41	− 0 41.8	2.372	3.330	4.9	20.6
2 21	9 56.74	− 0 8.2	2.363	3.337	3.5	20.5
3 2	9 49.31	+ 0 33.4	2.384	3.344	5.0	20.6
3 12	9 42.85	+ 1 18.6	2.433	3.351	7.6	20.8
3 22	9 37.88	+ 2 3.0	2.508	3.358	10.3	21.0

163500 2002 SO_{42} 2 17.2 91°.15 3°.0/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.83	+20 24.7	2.204	3.016	12.3	19.8
1 22	10 21.55	+20 54.8	2.134	3.027	9.4	19.6
2 1	10 14.19	+21 27.3	2.089	3.037	6.1	19.4
2 11	10 5.43	+21 56.8	2.071	3.047	3.4	19.2
2 21	9 56.14	+22 18.4	2.083	3.057	3.9	19.3
3 2	9 47.32	+22 28.3	2.125	3.067	6.9	19.5
3 12	9 39.85	+22 24.9	2.193	3.077	10.0	19.7
3 22	9 34.34	+22 8.5	2.285	3.087	12.8	19.9

160893 2001 RH_{116} 2 17.2 163°.68 0°.1/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.10	+ 8 58.6	1.713	2.513	15.8	20.9
1 22	10 22.37	+ 9 37.3	1.633	2.518	12.2	20.7
2 1	10 15.06	+10 31.6	1.575	2.522	7.9	20.5
2 11	10 5.87	+11 36.4	1.544	2.525	3.1	20.2
2 21	9 55.84	+12 44.7	1.541	2.528	1.9	20.1
3 2	9 46.21	+13 48.7	1.567	2.530	6.8	20.4
3 12	9 38.14	+14 42.1	1.620	2.532	11.2	20.7
3 22	9 32.45	+15 21.1	1.696	2.533	15.0	20.9

298899 2004 TR_{50} 2 17.2 43°.36 0°.4/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.04	+11 29.8	1.246	2.074	19.0	21.1
1 22	10 22.91	+11 44.0	1.188	2.088	14.5	20.9
2 1	10 15.61	+12 13.1	1.150	2.102	9.3	20.6
2 11	10 6.09	+12 50.8	1.136	2.118	3.6	20.3
2 21	9 55.77	+13 29.6	1.147	2.134	2.4	20.3
3 2	9 46.25	+14 1.9	1.184	2.150	8.0	20.7
3 12	9 38.91	+14 22.4	1.245	2.167	13.0	21.0
3 22	9 34.55	+14 28.8	1.327	2.184	17.2	21.3

404920 2014 LG_{11} 2 17.2 243°.15 2°.7/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.39	+14 55.2	1.700	2.517	15.2	21.6
1 22	10 22.13	+16 0.4	1.608	2.504	11.6	21.3
2 1	10 15.12	+17 18.7	1.539	2.491	7.4	21.1
2 11	10 5.99	+18 42.7	1.497	2.477	3.4	20.8
2 21	9 55.75	+20 3.1	1.484	2.463	4.1	20.8
3 2	9 45.71	+21 11.2	1.498	2.449	8.4	21.0
3 12	9 37.20	+22 0.7	1.539	2.433	12.8	21.2
3 22	9 31.16	+22 29.3	1.601	2.418	16.7	21.4

259030 2002 TN_{223} 2 17.2 52°.77 4°.1/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.12	+19 43.0	1.386	2.218	17.2	20.8
1 22	10 24.83	+20 29.6	1.343	2.246	13.0	20.7
2 1	10 16.55	+21 20.5	1.322	2.274	8.4	20.5
2 11	10 6.37	+22 6.7	1.326	2.303	4.6	20.3
2 21	9 55.67	+22 40.0	1.357	2.332	5.3	20.4
3 2	9 45.96	+22 55.2	1.414	2.361	9.2	20.7
3 12	9 38.47	+22 51.0	1.496	2.391	13.1	21.0
3 22	9 33.84	+22 29.1	1.599	2.420	16.5	21.3

32340 2000 QY_{88} 2 17.2 47°.53 1°.8/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.80	+ 6 16.7	1.678	2.475	16.3	18.1
1 22	10 20.53	+ 6 15.1	1.606	2.485	12.7	17.9
2 1	10 13.81	+ 6 29.2	1.554	2.495	8.5	17.6
2 11	10 5.36	+ 6 56.0	1.528	2.505	4.1	17.4
2 21	9 56.21	+ 7 31.0	1.530	2.516	2.2	17.3
3 2	9 47.52	+ 8 8.4	1.559	2.527	6.2	17.6
3 12	9 40.41	+ 8 42.6	1.615	2.538	10.4	17.8
3 22	9 35.58	+ 9 9.3	1.694	2.549	14.1	18.1

725 Amanda 2 17.2 88°.21 2°.1/15.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.81	+15 11.2	1.797	2.609	14.7	16.0
1 22	10 22.58	+15 59.9	1.739	2.633	11.1	15.8
2 1	10 14.97	+16 56.9	1.705	2.656	7.0	15.6
2 11	10 5.76	+17 55.3	1.698	2.678	3.0	15.4
2 21	9 56.00	+18 48.0	1.719	2.700	3.3	15.5
3 2	9 46.86	+19 29.4	1.770	2.722	7.2	15.8
3 12	9 39.36	+19 55.8	1.847	2.744	10.9	16.0
3 22	9 34.14	+20 6.7	1.947	2.765	14.1	16.3

140600 2001 TC_{239} 2 17.2 351°.52 10°.0/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.75	+32 22.4	1.444	2.286	16.1	18.2
1 22	10 22.27	+34 6.0	1.385	2.281	13.2	18.0
2 1	10 15.43	+35 44.3	1.349	2.277	10.8	17.8
2 11	10 6.12	+37 3.8	1.336	2.274	10.1	17.8
2 21	9 55.74	+37 53.5	1.348	2.272	11.5	17.8
3 2	9 46.02	+38 7.2	1.382	2.270	14.3	18.0
3 12	9 38.51	+37 45.5	1.437	2.270	17.3	18.2
3 22	9 34.14	+36 53.7	1.509	2.269	20.1	18.4

467532 2007 RX_{83} 2 17.2 136°.06 4°.6/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.80	+27 52.0	2.752	3.556	10.4	21.7
1 22	10 22.70	+28 34.1	2.686	3.569	8.1	21.6
2 1	10 14.77	+29 13.4	2.647	3.581	5.9	21.4
2 11	10 5.63	+29 44.4	2.637	3.593	4.6	21.4
2 21	9 56.08	+30 2.8	2.657	3.604	5.3	21.4
3 2	9 46.96	+30 6.1	2.707	3.615	7.3	21.6
3 12	9 39.05	+29 53.8	2.784	3.625	9.5	21.7
3 22	9 32.90	+29 27.3	2.884	3.635	11.6	21.9

498997 2009 BR_{180} 2 17.2 316°.99 1°.2/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.62	+12 44.9	2.112	2.922	12.9	21.3
1 22	10 17.09	+13 30.3	2.021	2.914	9.8	21.1
2 1	10 11.53	+14 26.3	1.955	2.906	6.2	20.9
2 11	10 4.48	+15 28.2	1.916	2.898	2.4	20.6
2 21	9 56.73	+16 29.7	1.907	2.891	2.4	20.6
3 2	9 49.21	+17 25.0	1.926	2.883	6.2	20.8
3 12	9 42.82	+18 9.2	1.972	2.876	9.9	21.0
3 22	9 38.27	+18 39.5	2.042	2.869	13.2	21.2

14469 Komatsuataka 2 17.2 129°.16 1°.8/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.50	+16 29.5	2.260	3.057	12.6	18.5
1 22	10 24.20	+16 52.7	2.189	3.074	9.5	18.4
2 1	10 15.83	+17 20.7	2.143	3.091	6.0	18.2
2 11	10 6.08	+17 48.8	2.127	3.107	2.6	18.0
2 21	9 55.83	+18 12.4	2.140	3.122	2.7	18.0
3 2	9 46.07	+18 27.6	2.185	3.136	6.1	18.3
3 12	9 37.69	+18 32.4	2.258	3.150	9.4	18.5
3 22	9 31.30	+18 26.3	2.356	3.163	12.3	18.7

686 Gersuind 2 17.2 180°.98 6°.5/23.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.70	−11 25.6	2.606	3.281	14.1	15.1
1 22	10 19.78	−11 51.8	2.507	3.282	12.1	15.0
2 1	10 13.06	−11 58.4	2.428	3.283	9.9	14.8
2 11	10 5.05	−11 44.2	2.374	3.283	7.9	14.7
2 21	9 56.41	−11 9.7	2.347	3.282	6.6	14.6
3 2	9 47.95	−10 17.7	2.349	3.281	7.0	14.6
3 12	9 40.44	− 9 13.4	2.380	3.279	8.7	14.7
3 22	9 34.49	− 8 2.7	2.436	3.276	10.9	14.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
154274 2002 SX_{38}			2 17.2	50°.77	2°.9/15.5	18
	h m	° ′			°	m
1 12	10 27.23	+15 2.6	1.169	2.009	19.2	19.8
1 22	10 23.34	+15 52.6	1.114	2.021	14.6	19.6
2 1	10 16.03	+16 55.8	1.078	2.034	9.2	19.3
2 11	10 6.32	+18 2.5	1.066	2.048	4.0	19.1
2 21	9 55.70	+19 1.9	1.080	2.062	4.4	19.1
3 2	9 45.92	+19 45.0	1.118	2.076	9.6	19.5
3 12	9 38.49	+20 7.0	1.179	2.091	14.5	19.8
3 22	9 34.26	+20 7.8	1.260	2.105	18.6	20.1
127101 2002 GR_{85}			2 17.2	185°.20	1°.0/16.2	17
1 12	10 23.60	+12 52.0	2.506	3.302	11.5	20.7
1 22	10 18.97	+13 34.4	2.417	3.302	8.7	20.5
2 1	10 12.54	+14 25.3	2.354	3.301	5.5	20.3
2 11	10 4.84	+15 20.4	2.319	3.301	2.2	20.1
2 21	9 56.56	+16 14.6	2.315	3.299	2.0	20.1
3 2	9 48.50	+17 3.2	2.342	3.297	5.4	20.3
3 12	9 41.47	+17 42.5	2.397	3.295	8.7	20.5
3 22	9 36.05	+18 10.1	2.477	3.292	11.5	20.7
274865 2009 RC_{52}			2 17.2	219°.77	1°.1/16.3	17
1 12	10 25.52	+13 7.2	2.254	3.053	12.6	21.9
1 22	10 20.70	+13 41.1	2.159	3.045	9.6	21.7
2 1	10 13.79	+14 24.0	2.088	3.036	6.1	21.5
2 11	10 5.37	+15 11.6	2.045	3.027	2.4	21.2
2 21	9 56.22	+15 58.6	2.033	3.017	2.2	21.2
3 2	9 47.28	+16 39.8	2.050	3.007	6.0	21.4
3 12	9 39.47	+17 11.2	2.096	2.996	9.6	21.6
3 22	9 33.51	+17 30.7	2.165	2.985	12.8	21.8
437551 2013 YJ_{138}			2 17.2	5°.99	5°.2/12.3	15
1 12	10 23.94	+25 27.9	2.128	2.952	12.3	21.0
1 22	10 19.65	+26 29.9	2.057	2.952	9.5	20.8
2 1	10 13.15	+27 32.2	2.010	2.953	6.8	20.7
2 11	10 5.11	+28 27.4	1.991	2.953	5.2	20.6
2 21	9 56.41	+29 9.0	2.000	2.954	6.2	20.6
3 2	9 48.11	+29 32.4	2.037	2.955	8.7	20.8
3 12	9 41.16	+29 35.9	2.099	2.956	11.6	21.0
3 22	9 36.24	+29 20.7	2.183	2.958	14.2	21.2
2713 Luxembourg			2 17.2	229°.40	0°.2/17.1	18 R
1 12	10 23.64	+10 41.5	2.104	2.903	13.3	16.1
1 22	10 19.32	+11 3.8	2.016	2.901	10.2	15.9
2 1	10 12.92	+11 36.8	1.953	2.900	6.6	15.7
2 11	10 5.02	+12 16.6	1.917	2.898	2.6	15.4
2 21	9 56.46	+12 58.3	1.910	2.896	1.6	15.3
3 2	9 48.17	+13 37.0	1.932	2.894	5.7	15.6
3 12	9 41.10	+14 8.2	1.982	2.893	9.5	15.8
3 22	9 35.91	+14 29.3	2.056	2.891	12.8	16.0
397255 2006 QC_{111}			2 17.2	67°.22	1°.1/18.3	18
1 12	10 24.79	+ 2 32.7	1.607	2.393	17.3	20.6
1 22	10 20.42	+ 3 56.4	1.552	2.426	13.4	20.5
2 1	10 13.65	+ 5 43.3	1.520	2.459	8.8	20.3
2 11	10 5.28	+ 7 45.8	1.515	2.492	3.9	20.0
2 21	9 56.37	+ 9 53.5	1.538	2.525	1.8	20.0
3 2	9 48.09	+11 55.5	1.592	2.557	6.3	20.3
3 12	9 41.48	+13 42.6	1.673	2.589	10.6	20.7
3 22	9 37.18	+15 9.6	1.778	2.621	14.1	20.9
75129 1999 VP_{69}			2 17.2	225°.29	1°.0/16.4	18
1 12	10 26.77	+12 33.8	1.949	2.752	14.1	20.0
1 22	10 21.99	+13 8.2	1.856	2.744	10.8	19.8
2 1	10 14.80	+13 53.7	1.786	2.734	6.9	19.6
2 11	10 5.83	+14 45.2	1.743	2.725	2.7	19.3
2 21	9 55.97	+15 36.8	1.730	2.714	2.3	19.2
3 2	9 46.35	+16 22.1	1.745	2.704	6.7	19.5
3 12	9 38.07	+16 56.4	1.788	2.692	10.8	19.7
3 22	9 31.93	+17 17.1	1.855	2.681	14.4	19.9
192310 1993 TN_{26}			2 17.2	99°.24	3°.7/14.5	18
1 12	10 31.67	+19 1.0	1.704	2.519	15.3	20.0
1 22	10 25.65	+19 59.6	1.651	2.545	11.5	19.8
2 1	10 16.99	+21 3.2	1.621	2.570	7.4	19.6
2 11	10 6.58	+22 3.3	1.619	2.595	4.0	19.5
2 21	9 55.62	+22 52.2	1.645	2.619	4.8	19.6
3 2	9 45.40	+23 24.4	1.700	2.642	8.3	19.8
3 12	9 37.06	+23 37.6	1.781	2.665	12.0	20.1
3 22	9 31.28	+23 33.0	1.884	2.686	15.1	20.4
417600 2006 VM_{125}			2 17.2	84°.08	2°.2/15.6	18
1 12	10 26.44	+15 32.6	1.722	2.540	15.0	21.6
1 22	10 21.82	+16 11.8	1.652	2.548	11.4	21.4
2 1	10 14.67	+16 59.8	1.604	2.556	7.2	21.2
2 11	10 5.74	+17 50.0	1.583	2.564	3.1	21.0
2 21	9 56.08	+18 35.5	1.590	2.572	3.4	21.0
3 2	9 46.93	+19 10.1	1.626	2.580	7.5	21.3
3 12	9 39.40	+19 30.1	1.687	2.588	11.5	21.5
3 22	9 34.23	+19 34.5	1.770	2.596	15.0	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
273733 2007 EK_{104}			2 17.2	190°.98	0°.3/17.5	18
	h m	° ′			°	m
1 12	10 23.55	+ 8 47.6	2.034	2.830	13.8	21.4
1 22	10 19.32	+ 9 17.5	1.947	2.829	10.7	21.2
2 1	10 12.97	+10 0.6	1.884	2.829	6.9	20.9
2 11	10 5.07	+10 52.9	1.848	2.828	2.8	20.7
2 21	9 56.47	+11 48.9	1.840	2.827	1.6	20.6
3 2	9 48.15	+12 42.8	1.862	2.826	5.8	20.9
3 12	9 41.06	+13 29.3	1.911	2.824	9.7	21.1
3 22	9 35.91	+14 5.0	1.985	2.823	13.1	21.3
171912 2001 SB_{62}			2 17.2	78°.12	3°.1/14.4	18
1 12	10 25.23	+20 19.9	2.274	3.088	12.0	20.3
1 22	10 20.26	+21 0.1	2.211	3.104	9.0	20.1
2 1	10 13.35	+21 42.8	2.172	3.120	5.9	19.9
2 11	10 5.14	+22 22.6	2.162	3.137	3.3	19.8
2 21	9 56.47	+22 54.2	2.181	3.153	4.0	19.8
3 2	9 48.25	+23 14.0	2.229	3.169	6.8	20.1
3 12	9 41.31	+23 20.0	2.304	3.185	9.7	20.3
3 22	9 36.23	+23 12.4	2.403	3.201	12.4	20.5
492999 2014 SN_{192}			2 17.2	183°.63	3°.5/14.4	17
1 12	10 29.17	+19 46.7	2.014	2.826	13.4	22.3
1 22	10 23.69	+20 35.5	1.934	2.827	10.2	22.0
2 1	10 15.80	+21 29.0	1.879	2.827	6.7	21.8
2 11	10 6.19	+22 20.4	1.851	2.826	3.8	21.6
2 21	9 55.81	+23 2.9	1.852	2.825	4.5	21.7
3 2	9 45.82	+23 31.3	1.883	2.823	7.8	21.9
3 12	9 37.29	+23 42.9	1.941	2.821	11.3	22.1
3 22	9 30.99	+23 37.8	2.021	2.818	14.4	22.3
349847 2009 CS_{61}			2 17.2	313°.30	3°.7/13.2	17
1 12	10 20.43	+19 9.2	2.149	2.973	12.2	20.6
1 22	10 17.02	+20 33.1	2.065	2.965	9.2	20.4
2 1	10 11.54	+22 4.4	2.006	2.957	6.1	20.1
2 11	10 4.53	+23 35.7	1.975	2.949	3.8	20.0
2 21	9 56.79	+24 59.2	1.974	2.941	4.9	20.0
3 2	9 49.25	+26 8.2	2.001	2.934	7.9	20.2
3 12	9 42.87	+26 58.2	2.054	2.926	11.1	20.4
3 22	9 38.35	+27 28.2	2.130	2.919	14.0	20.6
271158 2003 SY_{211}			2 17.2	202°.07	2°.1/14.9	17
1 12	10 23.53	+16 12.5	2.579	3.382	11.0	21.7
1 22	10 18.95	+17 9.5	2.489	3.378	8.3	21.5
2 1	10 12.57	+18 13.3	2.424	3.373	5.3	21.3
2 11	10 4.89	+19 18.9	2.389	3.368	2.5	21.1
2 21	9 56.60	+20 20.8	2.385	3.362	3.0	21.1
3 2	9 48.50	+21 13.8	2.411	3.356	6.0	21.3
3 12	9 41.38	+21 54.5	2.465	3.349	9.1	21.5
3 22	9 35.86	+22 21.3	2.544	3.341	11.8	21.7
452654 2005 UT_{334}			2 17.2	251°.51	5°.1/13.4	18
1 12	10 28.10	+20 37.4	1.572	2.401	15.7	21.1
1 22	10 23.76	+21 53.3	1.487	2.388	12.1	20.9
2 1	10 16.34	+23 17.7	1.425	2.375	8.1	20.6
2 11	10 6.55	+24 40.6	1.389	2.362	5.3	20.4
2 21	9 55.55	+25 51.3	1.380	2.348	6.5	20.4
3 2	9 44.83	+26 40.8	1.398	2.334	10.4	20.6
3 12	9 35.89	+27 5.0	1.441	2.319	14.6	20.8
3 22	9 29.75	+27 4.1	1.503	2.304	18.3	21.0
454430 2014 OL_{14}			2 17.2	238°.78	2°.0/18.6	17
1 12	10 28.11	+ 6 7.7	1.679	2.469	16.5	22.0
1 22	10 23.37	+ 6 2.7	1.585	2.460	13.1	21.7
2 1	10 15.89	+ 6 13.4	1.512	2.450	8.9	21.4
2 11	10 6.33	+ 6 37.7	1.464	2.440	4.4	21.2
2 21	9 55.70	+ 7 11.5	1.444	2.430	2.4	21.0
3 2	9 45.30	+ 7 49.2	1.453	2.419	6.7	21.2
3 12	9 36.43	+ 8 24.5	1.488	2.408	11.3	21.5
3 22	9 30.03	+ 8 52.8	1.545	2.397	15.5	21.7
226819 2004 RH_{254}			2 17.2	166°.96	3°.0/14.6	18
1 12	10 25.27	+18 22.2	2.069	2.884	12.9	20.7
1 22	10 20.64	+19 13.7	1.991	2.886	9.8	20.5
2 1	10 13.80	+20 11.1	1.938	2.888	6.3	20.3
2 11	10 5.40	+21 8.0	1.912	2.889	3.4	20.1
2 21	9 56.31	+21 57.8	1.915	2.890	4.0	20.2
3 2	9 47.57	+22 35.3	1.948	2.891	7.3	20.4
3 12	9 40.17	+22 57.1	2.007	2.892	10.7	20.6
3 22	9 34.80	+23 2.8	2.089	2.893	13.8	20.8
12992 1981 EZ_{22}			2 17.3	186°.73	0°.7/16.7	18
1 12	10 29.73	+11 39.8	1.821	2.620	15.1	19.5
1 22	10 24.32	+12 10.4	1.735	2.620	11.6	19.3
2 1	10 16.33	+12 53.0	1.672	2.619	7.4	19.0
2 11	10 6.44	+13 42.4	1.637	2.618	2.9	18.8
2 21	9 55.67	+14 32.4	1.630	2.616	2.2	18.7
3 2	9 45.25	+15 16.4	1.653	2.613	6.8	19.0
3 12	9 36.36	+15 49.5	1.703	2.609	11.1	19.2
3 22	9 29.84	+16 9.4	1.776	2.604	14.8	19.5

461692 2005 QN_7 2 17.3 184°.69 1°.4/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.62	+ 4 4.8	2.384	3.152	12.9	22.4
1 22	10 19.09	+ 4 41.7	2.289	3.152	10.1	22.2
2 1	10 12.69	+ 5 33.8	2.219	3.152	6.8	22.0
2 11	10 4.95	+ 6 38.0	2.176	3.151	3.3	21.8
2 21	9 56.58	+ 7 49.6	2.164	3.149	1.7	21.7
3 2	9 48.42	+ 9 3.1	2.182	3.147	4.9	21.9
3 12	9 41.28	+10 12.5	2.230	3.144	8.4	22.1
3 22	9 35.79	+11 13.5	2.304	3.141	11.5	22.3

168492 1999 RL_{159} 2 17.3 149°.27 1°.1/16.3 18

1 12	10 27.86	+12 50.2	2.013	2.812	13.8	21.2
1 22	10 22.55	+13 28.7	1.935	2.822	10.5	21.0
2 1	10 15.00	+14 17.0	1.882	2.830	6.7	20.7
2 11	10 5.86	+15 9.9	1.857	2.839	2.6	20.5
2 21	9 56.06	+16 1.3	1.862	2.846	2.3	20.5
3 2	9 46.66	+16 45.5	1.896	2.853	6.4	20.8
3 12	9 38.66	+17 18.3	1.958	2.859	10.2	21.0
3 22	9 32.75	+17 37.9	2.044	2.865	13.4	21.2

185215 2006 TP_{55} 2 17.3 126°.50 0°.5/17.7 18

1 12	10 24.93	+ 7 4.9	2.040	2.826	14.1	21.4
1 22	10 20.26	+ 7 49.5	1.964	2.840	10.9	21.2
2 1	10 13.48	+ 8 48.8	1.912	2.854	7.1	21.0
2 11	10 5.25	+ 9 58.2	1.888	2.867	2.9	20.8
2 21	9 56.42	+11 11.7	1.893	2.880	1.5	20.7
3 2	9 47.96	+12 22.5	1.928	2.892	5.6	21.0
3 12	9 40.80	+13 24.9	1.991	2.903	9.4	21.2
3 22	9 35.58	+14 15.2	2.080	2.914	12.7	21.5

320419 2007 VR_{48} 2 17.3 3°.24 0°.6/16.7 17

1 12	10 23.27	+12 40.2	2.058	2.865	13.3	20.7
1 22	10 19.07	+12 56.0	1.975	2.865	10.2	20.5
2 1	10 12.77	+13 20.7	1.916	2.865	6.5	20.3
2 11	10 5.00	+13 50.2	1.884	2.865	2.5	20.0
2 21	9 56.57	+14 19.8	1.880	2.866	1.9	20.0
3 2	9 48.47	+14 45.0	1.906	2.867	5.9	20.3
3 12	9 41.63	+15 2.2	1.958	2.868	9.7	20.5
3 22	9 36.71	+15 9.2	2.034	2.870	12.9	20.7

238762 2005 JK_{61} 2 17.3 237°.44 0°.3/16.9 17

1 12	10 21.50	+10 25.7	2.576	3.367	11.4	21.4
1 22	10 17.41	+11 2.3	2.477	3.358	8.7	21.2
2 1	10 11.59	+11 48.8	2.403	3.348	5.6	21.0
2 11	10 4.52	+12 41.8	2.357	3.338	2.2	20.7
2 21	9 56.85	+13 36.7	2.342	3.328	1.5	20.7
3 2	9 49.33	+14 28.8	2.357	3.318	5.0	20.9
3 12	9 42.73	+15 13.9	2.401	3.307	8.3	21.1
3 22	9 37.64	+15 49.1	2.470	3.296	11.2	21.2

88456 2001 QT_{94} 2 17.3 189°.15 0°.3/17.6 17

1 12	10 22.22	+ 9 2.4	2.719	3.502	11.1	20.9
1 22	10 17.79	+ 9 27.0	2.626	3.501	8.5	20.7
2 1	10 11.74	+10 1.1	2.558	3.500	5.5	20.5
2 11	10 4.56	+10 41.7	2.519	3.498	2.3	20.3
2 21	9 56.85	+11 25.1	2.510	3.497	1.2	20.2
3 2	9 49.35	+12 7.2	2.532	3.494	4.5	20.4
3 12	9 42.75	+12 44.4	2.583	3.492	7.7	20.6
3 22	9 37.58	+13 14.1	2.659	3.489	10.4	20.8

360589 2003 WN_{79} 2 17.3 109°.65 4°.5/13.9 18

1 12	10 29.61	+21 31.4	1.735	2.556	14.8	20.7
1 22	10 24.25	+22 29.0	1.672	2.569	11.2	20.5
2 1	10 16.22	+23 29.9	1.633	2.581	7.5	20.3
2 11	10 6.36	+24 25.6	1.621	2.594	4.7	20.1
2 21	9 55.81	+25 8.4	1.638	2.606	5.6	20.2
3 2	9 45.87	+25 32.8	1.682	2.617	8.9	20.4
3 12	9 37.72	+25 37.1	1.751	2.628	12.5	20.7
3 22	9 32.09	+25 22.4	1.842	2.639	15.6	20.9

383635 2007 RC_{173} 2 17.3 63°.69 5°.4/12.8 18

1 12	10 28.57	+27 14.2	2.065	2.883	12.8	20.6
1 22	10 23.03	+28 0.7	2.010	2.901	9.9	20.5
2 1	10 15.21	+28 44.3	1.980	2.918	7.1	20.3
2 11	10 5.90	+29 17.9	1.977	2.936	5.5	20.3
2 21	9 56.11	+29 35.9	2.002	2.954	6.3	20.3
3 2	9 46.95	+29 35.4	2.055	2.972	8.7	20.5
3 12	9 39.39	+29 16.0	2.134	2.990	11.5	20.7
3 22	9 34.04	+28 40.2	2.235	3.008	13.9	20.9

114613 2003 DS_{15} 2 17.3 229°.82 0°.5/16.6 18

1 12	10 20.34	+10 40.0	2.888	3.677	10.3	20.2
1 22	10 16.36	+11 29.9	2.786	3.667	7.9	20.0
2 1	10 10.85	+12 29.3	2.711	3.657	5.0	19.8
2 11	10 4.22	+13 34.6	2.665	3.646	1.9	19.6
2 21	9 57.05	+14 41.2	2.650	3.635	1.5	19.5
3 2	9 50.01	+15 44.6	2.666	3.624	4.7	19.7
3 12	9 43.75	+16 40.6	2.711	3.612	7.7	19.9
3 22	9 38.81	+17 26.4	2.783	3.600	10.3	20.1

53777 2000 EP_{92} 2 17.3 35°.64 1°.0/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 31.02	+14 6.9	1.337	2.160	18.2	18.4
1 22	10 26.03	+14 5.4	1.265	2.162	14.0	18.2
2 1	10 17.75	+14 13.9	1.214	2.165	9.0	17.9
2 11	10 7.07	+14 27.1	1.186	2.168	3.5	17.6
2 21	9 55.38	+14 38.7	1.186	2.172	2.7	17.5
3 2	9 44.34	+14 43.0	1.212	2.175	8.2	17.9
3 12	9 35.46	+14 36.6	1.262	2.179	13.3	18.2
3 22	9 29.67	+14 18.5	1.333	2.183	17.6	18.4

55234 2001 RC_{75} 2 17.3 27°.12 7°.8/11.6 18

1 12	10 29.45	+32 39.3	1.809	2.632	14.2	17.7
1 22	10 24.15	+33 30.6	1.756	2.643	11.4	17.5
2 1	10 16.12	+34 14.1	1.727	2.654	8.9	17.4
2 11	10 6.30	+34 41.1	1.724	2.666	7.8	17.4
2 21	9 55.92	+34 45.3	1.746	2.679	8.7	17.4
3 2	9 46.32	+34 24.3	1.795	2.692	11.0	17.6
3 12	9 38.65	+33 39.6	1.867	2.706	13.6	17.8
3 22	9 33.59	+32 35.5	1.960	2.721	16.0	18.0

451536 2011 WX_{49} 2 17.3 44°.99 0°.2/17.1 18

1 12	10 24.19	+ 9 26.3	1.384	2.204	17.9	21.4
1 22	10 20.59	+10 2.4	1.319	2.214	13.7	21.1
2 1	10 14.12	+10 56.1	1.274	2.225	8.8	20.9
2 11	10 5.62	+12 1.1	1.255	2.236	3.4	20.6
2 21	9 56.28	+13 8.9	1.261	2.248	2.2	20.5
3 2	9 47.53	+14 10.8	1.294	2.260	7.5	20.9
3 12	9 40.65	+14 59.6	1.352	2.272	12.3	21.2
3 22	9 36.45	+15 32.0	1.432	2.285	16.4	21.5

34889 2001 VY_{33} 2 17.3 170°.42 3°.0/19.8 18

1 12	10 27.86	+ 1 22.8	2.058	2.815	15.0	20.4
1 22	10 22.57	+ 1 28.5	1.968	2.821	12.0	20.2
2 1	10 15.05	+ 1 51.5	1.901	2.825	8.5	20.0
2 11	10 5.93	+ 2 30.2	1.861	2.828	4.9	19.8
2 21	9 56.08	+ 3 20.8	1.850	2.831	3.1	19.7
3 2	9 46.51	+ 4 17.9	1.869	2.833	5.7	19.9
3 12	9 38.24	+ 5 15.4	1.916	2.833	9.4	20.1
3 22	9 31.97	+ 6 8.0	1.988	2.833	12.8	20.3

257467 1993 TU_{41} 2 17.3 136°.82 0°.8/16.5 18

1 12	10 25.89	+11 51.4	2.137	2.934	13.2	21.6
1 22	10 20.93	+12 33.3	2.061	2.946	10.0	21.4
2 1	10 13.91	+13 25.4	2.010	2.957	6.4	21.2
2 11	10 5.45	+14 22.7	1.986	2.968	2.4	20.9
2 21	9 56.40	+15 19.3	1.993	2.978	2.0	20.9
3 2	9 47.72	+16 9.7	2.029	2.987	5.9	21.2
3 12	9 40.32	+16 49.6	2.094	2.996	9.5	21.4
3 22	9 34.83	+17 17.0	2.183	3.005	12.6	21.6

497305 2005 SL_{273} 2 17.3 225°.33 3°.4/20.4 17

1 12	10 23.65	− 0 43.9	2.270	3.019	14.0	22.9
1 22	10 19.30	− 0 34.5	2.164	3.009	11.4	22.7
2 1	10 12.96	− 0 7.3	2.081	2.998	8.3	22.5
2 11	10 5.14	+ 0 36.8	2.025	2.987	5.1	22.2
2 21	9 56.55	+ 1 34.6	1.997	2.975	3.4	22.1
3 2	9 48.10	+ 2 41.2	1.999	2.963	5.5	22.2
3 12	9 40.67	+ 3 50.4	2.030	2.950	8.8	22.4
3 22	9 34.97	+ 4 56.5	2.087	2.936	12.1	22.6

504548 2008 SC_{147} 2 17.3 193°.76 7°.0/26.3 17

1 12	10 22.15	−17 2.1	2.873	3.504	13.6	22.8
1 22	10 17.77	−17 6.7	2.766	3.502	12.1	22.7
2 1	10 11.77	−16 49.6	2.678	3.499	10.2	22.5
2 11	10 4.61	−16 9.3	2.614	3.495	8.4	22.4
2 21	9 56.90	−15 6.4	2.577	3.490	7.2	22.3
3 2	9 49.32	−13 44.1	2.568	3.485	7.2	22.3
3 12	9 42.60	−12 7.8	2.588	3.479	8.4	22.4
3 22	9 37.27	−10 24.1	2.635	3.473	10.2	22.5

500250 2012 KE_5 2 17.3 233°.10 2°.8/14.8 17

1 12	10 24.33	+17 4.4	2.045	2.861	13.1	21.9
1 22	10 20.05	+17 59.9	1.960	2.855	9.9	21.7
2 1	10 13.52	+19 3.3	1.899	2.850	6.4	21.5
2 11	10 5.37	+20 8.0	1.865	2.844	3.2	21.2
2 21	9 56.44	+21 7.3	1.861	2.838	3.8	21.3
3 2	9 47.79	+21 55.1	1.885	2.832	7.3	21.5
3 12	9 40.42	+22 27.2	1.937	2.825	10.9	21.7
3 22	9 35.07	+22 42.6	2.011	2.819	14.1	21.9

341573 2007 UM_{57} 2 17.3 307°.18 4°.8/21.6 17

1 12	10 20.45	− 3 37.7	2.155	2.899	14.8	20.7
1 22	10 16.96	− 3 49.0	2.054	2.889	12.2	20.5
2 1	10 11.50	− 3 41.1	1.974	2.879	9.3	20.3
2 11	10 4.57	− 3 13.9	1.919	2.870	6.4	20.1
2 21	9 56.91	− 2 29.4	1.891	2.860	4.8	20.0
3 2	9 49.41	− 1 31.8	1.892	2.851	6.1	20.0
3 12	9 42.95	− 0 27.3	1.919	2.842	9.1	20.2
3 22	9 38.23	+ 0 37.9	1.972	2.833	12.2	20.4

261219 2005 UN_{24} 2 17.3 96°.69 1°.4/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 24.83	+ 6 3.0	1.917	2.704	14.9	21.0
1 22	10 20.32	+ 6 17.5	1.841	2.715	11.6	20.8
2 1	10 13.61	+ 6 47.0	1.787	2.726	7.8	20.6
2 11	10 5.37	+ 7 28.0	1.760	2.737	3.6	20.4
2 21	9 56.49	+ 8 15.9	1.762	2.748	1.8	20.3
3 2	9 48.02	+ 9 4.8	1.792	2.759	5.7	20.5
3 12	9 40.91	+ 9 49.3	1.850	2.769	9.6	20.8
3 22	9 35.84	+10 25.4	1.933	2.780	13.0	21.0

237194 2008 UM_{250} 2 17.3 124°.88 0°.4/16.9 18

1 12	10 24.20	+11 23.6	2.284	3.080	12.5	21.5
1 22	10 19.54	+11 50.0	2.205	3.088	9.5	21.3
2 1	10 12.98	+12 25.5	2.150	3.096	6.1	21.1
2 11	10 5.10	+13 6.4	2.123	3.104	2.3	20.9
2 21	9 56.67	+13 47.9	2.126	3.112	1.6	20.8
3 2	9 48.58	+14 25.4	2.159	3.119	5.4	21.1
3 12	9 41.63	+14 55.1	2.220	3.127	8.8	21.3
3 22	9 36.45	+15 15.0	2.305	3.134	11.8	21.5

234948 2002 VF_{68} 2 17.3 136°.39 1°.1/18.4 18

1 12	10 22.47	+ 6 1.4	2.683	3.455	11.5	21.3
1 22	10 17.94	+ 6 24.9	2.599	3.466	8.9	21.2
2 1	10 11.83	+ 6 59.6	2.541	3.476	5.9	21.0
2 11	10 4.62	+ 7 42.7	2.510	3.487	2.8	20.8
2 21	9 56.97	+ 8 30.5	2.510	3.497	1.4	20.7
3 2	9 49.56	+ 9 19.0	2.541	3.506	4.4	20.9
3 12	9 43.10	+10 4.0	2.602	3.515	7.4	21.1
3 22	9 38.09	+10 42.6	2.688	3.524	10.1	21.3

332413 2007 PF_{43} 2 17.3 99°.82 0°.9/18.3 18

1 12	10 23.48	+ 6 31.6	2.665	3.437	11.5	21.3
1 22	10 18.61	+ 6 58.9	2.596	3.463	8.9	21.2
2 1	10 12.19	+ 7 36.8	2.552	3.488	5.9	21.0
2 11	10 4.74	+ 8 22.3	2.536	3.513	2.6	20.8
2 21	9 56.92	+ 9 11.5	2.551	3.538	1.3	20.8
3 2	9 49.45	+10 0.2	2.598	3.562	4.3	21.0
3 12	9 42.98	+10 44.5	2.673	3.585	7.3	21.2
3 22	9 37.98	+11 21.6	2.775	3.608	9.9	21.4

238826 2005 SJ_{62} 2 17.3 250°.38 2°.2/14.8 17

1 12	10 23.41	+18 29.3	2.857	3.660	10.1	21.3
1 22	10 18.78	+19 5.6	2.755	3.643	7.6	21.2
2 1	10 12.46	+19 46.0	2.678	3.626	4.9	21.0
2 11	10 4.92	+20 26.3	2.632	3.609	2.5	20.8
2 21	9 56.78	+21 2.3	2.615	3.591	3.0	20.8
3 2	9 48.77	+21 30.1	2.629	3.573	5.7	20.9
3 12	9 41.65	+21 47.2	2.672	3.554	8.5	21.1
3 22	9 35.97	+21 52.6	2.739	3.535	11.1	21.2

48575 Hawaii 2 17.3 38°.53 5°.3/22.2 18

1 12	10 21.03	− 4 52.3	2.055	2.795	15.5	18.3
1 22	10 17.37	− 5 8.2	1.972	2.803	12.9	18.2
2 1	10 11.71	− 5 3.6	1.909	2.810	9.9	18.0
2 11	10 4.65	− 4 38.3	1.872	2.818	7.0	17.8
2 21	9 56.96	− 3 54.7	1.860	2.826	5.3	17.7
3 2	9 49.56	− 2 57.4	1.877	2.834	6.4	17.8
3 12	9 43.33	− 1 52.7	1.921	2.842	9.1	18.0
3 22	9 38.93	− 0 47.3	1.989	2.851	12.1	18.2

422153 2014 RW_{1} 2 17.3 250°.21 4°.0/14.0 17

1 12	10 28.47	+19 35.1	1.839	2.657	14.2	21.3
1 22	10 23.69	+20 37.6	1.743	2.639	10.9	21.0
2 1	10 16.17	+21 47.9	1.671	2.620	7.2	20.7
2 11	10 6.54	+22 58.2	1.627	2.601	4.3	20.5
2 21	9 55.78	+23 59.7	1.610	2.582	5.2	20.5
3 2	9 45.19	+24 45.0	1.623	2.561	9.0	20.7
3 12	9 36.06	+25 9.9	1.660	2.540	12.9	20.9
3 22	9 29.37	+25 13.9	1.720	2.518	16.5	21.1

132101 2002 CY_{208} 2 17.3 76°.60 1°.8/16.1 18

1 12	10 29.87	+14 6.8	1.449	2.269	17.3	20.0
1 22	10 24.69	+14 42.4	1.393	2.290	13.1	19.8
2 1	10 16.61	+15 29.0	1.359	2.311	8.2	19.6
2 11	10 6.58	+16 19.0	1.350	2.332	3.3	19.3
2 21	9 55.88	+17 4.6	1.369	2.353	3.2	19.4
3 2	9 45.96	+17 39.0	1.415	2.373	7.9	19.7
3 12	9 38.07	+17 58.3	1.486	2.394	12.3	20.0
3 22	9 32.93	+18 1.8	1.579	2.414	16.0	20.3

382647 2002 RB_{178} 2 17.3 62°.70 2°.2/15.7 18

1 12	10 30.97	+18 2.1	2.005	2.810	13.7	21.0
1 22	10 24.60	+18 19.7	1.956	2.845	10.3	20.9
2 1	10 16.09	+18 40.8	1.932	2.880	6.5	20.7
2 11	10 6.26	+19 0.3	1.935	2.915	3.0	20.6
2 21	9 56.10	+19 13.4	1.969	2.949	3.1	20.6
3 2	9 46.68	+19 16.9	2.032	2.983	6.5	20.9
3 12	9 38.87	+19 9.6	2.123	3.016	9.8	21.2
3 22	9 33.24	+18 51.6	2.237	3.050	12.7	21.4

127221 2002 JC_{4} 2 17.3 45°.96 8°.7/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.66	+29 9.7	1.717	2.553	14.2	19.1
1 22	10 20.21	+31 52.1	1.667	2.563	11.3	19.0
2 1	10 13.96	+34 33.0	1.644	2.572	9.2	18.8
2 11	10 5.65	+36 58.3	1.648	2.582	8.8	18.8
2 21	9 56.39	+38 55.9	1.679	2.593	10.4	19.0
3 2	9 47.54	+40 18.6	1.736	2.603	13.0	19.1
3 12	9 40.42	+41 5.0	1.815	2.614	15.6	19.3
3 22	9 35.90	+41 18.8	1.911	2.625	17.9	19.5

204378 2004 TL_{115} 2 17.3 114°.41 0°.3/17.5 18

1 12	10 29.55	+ 9 14.8	1.735	2.531	15.9	21.0
1 22	10 24.08	+ 9 34.9	1.667	2.548	12.2	20.8
2 1	10 16.10	+10 8.5	1.620	2.565	7.9	20.6
2 11	10 6.38	+10 50.9	1.601	2.581	3.2	20.3
2 21	9 56.00	+11 36.2	1.610	2.597	1.7	20.2
3 2	9 46.18	+12 18.3	1.648	2.612	6.4	20.6
3 12	9 38.01	+12 52.2	1.713	2.626	10.6	20.8
3 22	9 32.22	+13 15.0	1.802	2.640	14.2	21.1

64473 2001 VQ_{43} 2 17.3 126°.08 0°.9/18.1 18

1 12	10 26.31	+ 7 23.9	2.269	3.048	13.1	20.3
1 22	10 21.09	+ 7 43.2	2.193	3.064	10.1	20.1
2 1	10 13.95	+ 8 14.2	2.141	3.080	6.7	19.9
2 11	10 5.50	+ 8 53.7	2.117	3.095	2.9	19.7
2 21	9 56.53	+ 9 37.3	2.123	3.109	1.4	19.6
3 2	9 47.93	+10 20.4	2.159	3.123	5.1	19.9
3 12	9 40.54	+10 58.6	2.225	3.137	8.5	20.1
3 22	9 34.94	+11 28.9	2.315	3.150	11.6	20.3

331942 2004 TM_{164} 2 17.3 134°.55 2°.7/14.7 18

1 12	10 25.98	+18 22.0	2.302	3.110	12.0	21.3
1 22	10 20.92	+19 10.2	2.230	3.121	9.1	21.1
2 1	10 13.88	+20 2.9	2.183	3.131	5.8	20.9
2 11	10 5.48	+20 54.7	2.164	3.141	3.0	20.8
2 21	9 56.53	+21 39.9	2.176	3.151	3.6	20.8
3 2	9 47.96	+22 13.9	2.217	3.160	6.6	21.0
3 12	9 40.63	+22 34.1	2.286	3.168	9.7	21.2
3 22	9 35.14	+22 40.0	2.378	3.177	12.4	21.4

243967 2001 QD_{286} 2 17.3 241°.12 3°.2/20.7 18

1 12	10 21.07	− 1 16.9	2.621	3.364	12.5	21.0
1 22	10 17.10	− 1 3.0	2.511	3.351	10.1	20.8
2 1	10 11.45	− 0 33.0	2.424	3.338	7.4	20.6
2 11	10 4.56	+ 0 12.1	2.364	3.324	4.7	20.4
2 21	9 57.04	+ 1 9.6	2.334	3.310	3.2	20.3
3 2	9 49.62	+ 2 15.2	2.333	3.296	4.8	20.3
3 12	9 43.05	+ 3 23.6	2.362	3.282	7.8	20.5
3 22	9 37.91	+ 4 29.7	2.417	3.267	10.6	20.7

199945 2007 GC_{75} 2 17.3 177°.19 0°.5/17.8 17

1 12	10 23.18	+ 7 56.7	2.380	3.164	12.4	20.8
1 22	10 18.77	+ 8 28.2	2.291	3.166	9.6	20.6
2 1	10 12.53	+ 9 11.7	2.226	3.167	6.3	20.4
2 11	10 4.97	+10 3.6	2.188	3.168	2.6	20.2
2 21	9 56.82	+10 59.5	2.181	3.168	1.3	20.1
3 2	9 48.91	+11 54.2	2.204	3.168	5.0	20.3
3 12	9 42.04	+12 43.0	2.256	3.168	8.5	20.6
3 22	9 36.82	+13 22.7	2.333	3.167	11.5	20.8

108809 2001 OU_{74} 2 17.3 147°.32 5°.2/23.9 18

1 12	10 21.36	−10 11.3	3.035	3.715	12.2	19.9
1 22	10 16.99	−10 20.6	2.943	3.724	10.4	19.8
2 1	10 11.19	−10 12.9	2.871	3.734	8.4	19.6
2 11	10 4.40	− 9 47.9	2.826	3.742	6.4	19.5
2 21	9 57.18	− 9 7.1	2.808	3.751	5.3	19.4
3 2	9 50.14	− 8 13.1	2.820	3.759	5.6	19.5
3 12	9 43.91	− 7 10.6	2.861	3.766	7.2	19.6
3 22	9 38.95	− 6 4.3	2.929	3.773	9.1	19.7

17011 1999 CC_{80} 2 17.3 263°.04 3°.1/19.9 18

1 12	10 23.26	+ 1 55.4	2.285	3.047	13.5	17.7
1 22	10 18.92	+ 1 42.2	2.190	3.044	10.9	17.5
2 1	10 12.67	+ 1 43.1	2.119	3.042	7.8	17.3
2 11	10 5.05	+ 1 57.2	2.074	3.039	4.6	17.1
2 21	9 56.78	+ 2 22.0	2.058	3.037	3.1	17.0
3 2	9 48.73	+ 2 54.0	2.071	3.035	5.3	17.1
3 12	9 41.74	+ 3 28.5	2.112	3.032	8.5	17.3
3 22	9 36.45	+ 4 1.4	2.178	3.030	11.6	17.5

107814 2001 FQ_{60} 2 17.3 29°.16 1°.1/16.5 18

1 12	10 23.96	+11 40.7	1.363	2.191	17.7	19.6
1 22	10 20.54	+12 18.8	1.296	2.197	13.5	19.4
2 1	10 14.19	+13 12.4	1.250	2.204	8.6	19.1
2 11	10 5.73	+14 14.7	1.229	2.211	3.3	18.8
2 21	9 56.39	+15 16.9	1.233	2.219	2.7	18.8
3 2	9 47.61	+16 10.5	1.264	2.228	8.0	19.1
3 12	9 40.72	+16 49.1	1.319	2.237	12.8	19.4
3 22	9 36.57	+17 10.1	1.395	2.246	16.9	19.7

473666 2015 XA_{348} 2 17.3 41°.60 2°.5/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 25.24	+14 19.2	1.270	2.106	18.2	21.0
1 22	10 21.64	+15 10.5	1.212	2.118	13.8	20.7
2 1	10 14.92	+16 15.3	1.176	2.131	8.7	20.5
2 11	10 6.01	+17 24.4	1.163	2.145	3.7	20.2
2 21	9 56.26	+18 27.9	1.176	2.159	4.0	20.3
3 2	9 47.23	+19 17.0	1.215	2.174	8.9	20.6
3 12	9 40.30	+19 46.5	1.277	2.189	13.6	20.9
3 22	9 36.29	+19 55.5	1.360	2.204	17.6	21.2

215936 2005 KQ_{10} 2 17.3 136°.61 1°.7/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.41	+ 4 27.3	2.350	3.115	13.1	21.2
1 22	10 21.12	+ 4 45.3	2.271	3.131	10.3	21.0
2 1	10 13.96	+ 5 16.6	2.215	3.146	7.0	20.8
2 11	10 5.51	+ 5 58.8	2.187	3.161	3.5	20.6
2 21	9 56.55	+ 6 47.7	2.189	3.174	1.9	20.5
3 2	9 47.92	+ 7 38.5	2.223	3.187	4.9	20.8
3 12	9 40.45	+ 8 26.5	2.285	3.199	8.2	21.0
3 22	9 34.70	+ 9 8.0	2.373	3.211	11.2	21.2

333204 2012 GY_{37} 2 17.3 340°.15 9°.0/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.83	+27 33.5	1.288	2.143	16.8	19.8
1 22	10 19.64	+29 14.2	1.219	2.129	13.4	19.5
2 1	10 14.04	+30 56.8	1.171	2.115	10.3	19.3
2 11	10 5.82	+32 27.5	1.147	2.103	9.0	19.2
2 21	9 56.32	+33 33.0	1.146	2.093	10.6	19.3
3 2	9 47.30	+34 4.2	1.169	2.083	14.1	19.4
3 12	9 40.44	+33 59.2	1.211	2.075	17.8	19.6
3 22	9 36.78	+33 21.5	1.271	2.068	21.2	19.8

225390 1999 UW_{28} 2 17.3 37°.69 2°.6/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.96	+17 8.4	1.827	2.647	14.2	20.6
1 22	10 20.66	+17 48.3	1.754	2.652	10.7	20.4
2 1	10 13.97	+18 35.2	1.704	2.656	6.9	20.2
2 11	10 5.60	+19 22.7	1.681	2.661	3.3	20.0
2 21	9 56.51	+20 4.2	1.686	2.666	3.7	20.0
3 2	9 47.87	+20 34.1	1.720	2.671	7.5	20.2
3 12	9 40.73	+20 49.2	1.779	2.676	11.2	20.5
3 22	9 35.80	+20 48.6	1.860	2.681	14.5	20.7

327001 2004 RB_{16} 2 17.3 208°.83 2°.2/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.56	+ 1 38.6	2.360	3.120	13.2	21.7
1 22	10 18.39	+ 2 9.0	2.259	3.115	10.5	21.5
2 1	10 12.35	+ 2 56.3	2.182	3.109	7.4	21.3
2 11	10 4.95	+ 3 58.1	2.133	3.103	4.0	21.1
2 21	9 56.87	+ 5 10.4	2.112	3.096	2.3	20.9
3 2	9 48.96	+ 6 27.4	2.123	3.089	5.0	21.1
3 12	9 42.04	+ 7 43.0	2.162	3.081	8.4	21.3
3 22	9 36.75	+ 8 51.9	2.228	3.073	11.6	21.5

522542 2016 EE_{239} 2 17.3 320°.41 5°.7/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.54	− 1 1.8	1.692	2.460	17.3	21.0
1 22	10 20.68	− 1 50.9	1.596	2.447	14.3	20.8
2 1	10 14.24	− 2 21.8	1.520	2.436	10.9	20.5
2 11	10 5.81	− 2 33.1	1.468	2.424	7.4	20.3
2 21	9 56.33	− 2 25.1	1.442	2.413	5.7	20.2
3 2	9 47.03	− 2 1.2	1.443	2.403	7.6	20.2
3 12	9 39.13	− 1 27.3	1.469	2.393	11.2	20.4
3 22	9 33.54	− 0 49.9	1.518	2.383	14.9	20.6

378855 2008 TP_{53} 2 17.3 34°.62 3°.5/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.26	+19 48.9	1.946	2.766	13.4	21.3
1 22	10 20.80	+20 33.6	1.871	2.769	10.2	21.1
2 1	10 14.02	+21 22.7	1.821	2.771	6.7	20.9
2 11	10 5.62	+22 9.8	1.798	2.774	3.8	20.7
2 21	9 56.52	+22 48.3	1.803	2.777	4.5	20.8
3 2	9 47.84	+23 13.1	1.837	2.780	7.8	21.0
3 12	9 40.60	+23 21.7	1.896	2.783	11.2	21.2
3 22	9 35.50	+23 14.0	1.978	2.786	14.3	21.4

239310 2007 QO_{8} 2 17.3 153°.83 1°.1/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.37	+ 5 19.7	2.063	2.840	14.3	21.2
1 22	10 21.43	+ 5 58.5	1.980	2.849	11.2	21.0
2 1	10 14.34	+ 6 53.5	1.921	2.858	7.4	20.8
2 11	10 5.73	+ 8 0.5	1.889	2.866	3.4	20.6
2 21	9 56.45	+ 9 14.0	1.887	2.873	1.6	20.5
3 2	9 47.50	+10 27.2	1.915	2.880	5.5	20.8
3 12	9 39.82	+11 34.0	1.972	2.886	9.4	21.0
3 22	9 34.11	+12 29.8	2.054	2.891	12.8	21.2

238742 2005 GQ_{134} 2 17.3 251°.68 0°.6/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.07	+12 11.0	2.246	3.047	12.5	21.4
1 22	10 18.83	+12 37.4	2.159	3.046	9.6	21.2
2 1	10 12.63	+13 12.8	2.097	3.044	6.1	21.0
2 11	10 5.05	+13 53.4	2.062	3.043	2.3	20.7
2 21	9 56.85	+14 34.3	2.056	3.042	1.8	20.7
3 2	9 48.91	+15 10.8	2.080	3.040	5.6	21.0
3 12	9 42.10	+15 39.1	2.132	3.039	9.1	21.2
3 22	9 37.05	+15 56.9	2.208	3.037	12.2	21.4

201234 2002 RS_{16} 2 17.3 57°.35 2°.0/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 20.97	+ 2 55.3	2.023	2.801	14.5	19.7
1 22	10 17.34	+ 3 24.1	1.944	2.812	11.4	19.5
2 1	10 11.71	+ 4 10.5	1.889	2.822	7.8	19.3
2 11	10 4.69	+ 5 11.2	1.859	2.833	4.0	19.1
2 21	9 57.08	+ 6 21.1	1.858	2.843	2.2	19.0
3 2	9 49.80	+ 7 34.0	1.887	2.854	5.3	19.2
3 12	9 43.72	+ 8 43.1	1.943	2.865	9.0	19.4
3 22	9 39.47	+ 9 43.6	2.024	2.876	12.3	19.7

285944 2001 RZ_{11} 2 17.3 253°.91 5°.2/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 47.63	− 0 1.9	2.285	2.985	15.2	21.5
1 22	10 38.15	− 1 11.7	2.142	2.954	12.7	21.3
2 1	10 25.58	− 2 12.4	2.024	2.921	9.6	21.0
2 11	10 10.40	− 3 1.8	1.938	2.887	6.5	20.7
2 21	9 53.57	− 3 38.2	1.886	2.851	5.3	20.6
3 2	9 36.41	− 4 1.1	1.871	2.814	7.6	20.7
3 12	9 20.41	− 4 12.9	1.889	2.775	11.3	20.8
3 22	9 6.74	− 4 17.1	1.937	2.735	14.9	20.9

71766 2000 SD_{22} 2 17.3 114°.35 2°.1/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.42	+17 23.0	2.644	3.449	10.7	20.1
1 22	10 18.73	+18 4.2	2.572	3.462	8.1	19.9
2 1	10 12.38	+18 49.7	2.526	3.474	5.1	19.7
2 11	10 4.90	+19 35.1	2.508	3.487	2.5	19.6
2 21	9 56.98	+20 15.8	2.522	3.499	2.9	19.6
3 2	9 49.38	+20 47.9	2.565	3.511	5.6	19.8
3 12	9 42.81	+21 9.1	2.636	3.523	8.4	20.0
3 22	9 37.78	+21 18.4	2.733	3.534	10.9	20.2

454502 2014 OX_{178} 2 17.3 53°.51 6°.4/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.62	+23 3.9	1.341	2.183	17.1	20.8
1 22	10 23.42	+24 30.6	1.293	2.200	13.1	20.6
2 1	10 16.03	+26 0.1	1.267	2.217	9.0	20.5
2 11	10 6.45	+27 20.2	1.266	2.234	6.5	20.4
2 21	9 56.10	+28 20.1	1.291	2.252	7.8	20.5
3 2	9 46.58	+28 52.9	1.340	2.270	11.3	20.7
3 12	9 39.29	+28 57.5	1.413	2.289	15.0	21.0
3 22	9 34.98	+28 37.0	1.504	2.307	18.2	21.2

117884 2684 $P–L$ 2 17.3 79°.76 2°.3/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.20	+ 3 10.9	1.754	2.540	16.1	20.1
1 22	10 19.37	+ 3 33.0	1.675	2.546	12.7	19.9
2 1	10 13.19	+ 4 14.7	1.617	2.552	8.8	19.7
2 11	10 5.32	+ 5 12.8	1.584	2.558	4.5	19.4
2 21	9 56.71	+ 6 21.8	1.580	2.565	2.4	19.3
3 2	9 48.46	+ 7 34.4	1.603	2.571	6.0	19.5
3 12	9 41.63	+ 8 43.1	1.654	2.577	10.2	19.8
3 22	9 36.95	+ 9 42.3	1.728	2.584	13.9	20.0

39054 2000 UA_{103} 2 17.3 96°.82 1°.5/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.83	+ 6 24.0	1.967	2.753	14.6	19.3
1 22	10 20.35	+ 6 29.2	1.885	2.759	11.4	19.1
2 1	10 13.69	+ 6 48.2	1.826	2.764	7.6	18.9
2 11	10 5.49	+ 7 18.3	1.793	2.770	3.6	18.6
2 21	9 56.62	+ 7 55.3	1.789	2.775	1.9	18.5
3 2	9 48.09	+ 8 34.1	1.814	2.780	5.6	18.8
3 12	9 40.88	+ 9 9.7	1.866	2.786	9.5	19.0
3 22	9 35.67	+ 9 38.4	1.943	2.791	12.9	19.2

383666 2007 TK_{160} 2 17.3 85°.68 3°.2/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.67	+21 44.3	2.531	3.337	11.1	21.6
1 22	10 21.87	+22 28.3	2.480	3.368	8.4	21.5
2 1	10 14.30	+23 13.2	2.454	3.399	5.5	21.4
2 11	10 5.62	+23 53.5	2.458	3.430	3.4	21.3
2 21	9 56.60	+24 24.7	2.493	3.460	4.0	21.3
3 2	9 48.09	+24 43.7	2.557	3.490	6.4	21.5
3 12	9 40.83	+24 49.2	2.649	3.519	9.0	21.8
3 22	9 35.32	+24 41.6	2.765	3.547	11.3	22.0

194025 2001 SN_{50} 2 17.3 110°.26 4°.3/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.13	+19 55.2	1.615	2.436	15.7	21.2
1 22	10 25.58	+20 59.9	1.557	2.454	11.9	21.0
2 1	10 17.20	+22 9.8	1.521	2.471	7.8	20.8
2 11	10 6.88	+23 15.7	1.513	2.487	4.6	20.7
2 21	9 55.85	+24 8.8	1.532	2.503	5.5	20.8
3 2	9 45.52	+24 43.0	1.580	2.519	9.1	21.0
3 12	9 37.12	+24 55.9	1.652	2.534	12.8	21.3
3 22	9 31.40	+24 48.7	1.746	2.548	16.1	21.5

37378 2001 VU_{76} 2 17.3 184°.19 18°.1/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.27	−27 8.0	1.492	2.099	25.3	19.1
1 22	10 26.70	−29 16.0	1.414	2.100	23.6	19.0
2 1	10 18.64	−30 48.8	1.348	2.101	21.8	18.8
2 11	10 7.73	−31 35.8	1.296	2.100	20.0	18.7
2 21	9 55.20	−31 29.2	1.262	2.099	18.6	18.6
3 2	9 42.77	−30 27.2	1.246	2.096	18.1	18.5
3 12	9 32.27	−28 37.6	1.250	2.093	18.7	18.5
3 22	9 24.98	−26 14.2	1.273	2.089	20.2	18.6

193949 2001 RM_{52} 2 17.3 242°.46 0°.9/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 25.79	+10 24.3	1.568	2.380	16.5	20.5
1 22	10 21.86	+11 12.7	1.480	2.372	12.7	20.3
2 1	10 15.11	+12 18.5	1.414	2.364	8.2	20.0
2 11	10 6.19	+13 35.6	1.373	2.355	3.2	19.7
2 21	9 56.17	+14 55.5	1.360	2.345	2.5	19.6
3 2	9 46.41	+16 9.0	1.374	2.336	7.7	19.9
3 12	9 38.26	+17 8.4	1.415	2.326	12.5	20.1
3 22	9 32.67	+17 49.8	1.477	2.316	16.7	20.4

354908 2006 CE_{62} 2 17.3 305°.56 2°.6/15.9 18

1 12	10 29.20	+17 1.2	1.381	2.210	17.4	19.8
1 22	10 24.97	+17 13.0	1.292	2.193	13.5	19.5
2 1	10 17.38	+17 32.8	1.223	2.177	8.7	19.2
2 11	10 7.16	+17 54.2	1.180	2.161	3.8	18.9
2 21	9 55.59	+18 9.5	1.162	2.145	3.9	18.8
3 2	9 44.34	+18 12.6	1.170	2.129	9.1	19.1
3 12	9 35.06	+17 59.7	1.202	2.114	14.2	19.3
3 22	9 28.88	+17 30.8	1.255	2.100	18.8	19.6

299316 2005 QY_{94} 2 17.3 186°.94 0°.5/16.7 18

1 12	10 22.47	+12 33.5	3.081	3.868	9.8	22.0
1 22	10 17.85	+12 57.7	2.988	3.868	7.4	21.9
2 1	10 11.76	+13 28.1	2.921	3.867	4.7	21.7
2 11	10 4.67	+14 1.9	2.884	3.865	1.8	21.5
2 21	9 57.13	+14 35.5	2.878	3.864	1.4	21.4
3 2	9 49.78	+15 5.9	2.903	3.861	4.3	21.6
3 12	9 43.23	+15 30.2	2.958	3.859	7.1	21.8
3 22	9 37.98	+15 46.9	3.039	3.856	9.6	22.0

236696 2007 DE_{53} 2 17.3 223°.80 0°.4/17.1 18

1 12	10 30.86	+12 0.3	1.593	2.400	16.6	20.9
1 22	10 25.65	+12 7.1	1.506	2.394	12.8	20.6
2 1	10 17.50	+12 25.5	1.440	2.388	8.3	20.4
2 11	10 7.12	+12 50.8	1.400	2.381	3.3	20.0
2 21	9 55.66	+13 17.4	1.388	2.374	2.1	19.9
3 2	9 44.57	+13 39.3	1.404	2.367	7.4	20.2
3 12	9 35.22	+13 52.0	1.446	2.359	12.2	20.5
3 22	9 28.56	+13 53.2	1.510	2.351	16.3	20.7

506226 2016 JH_{36} 2 17.3 275°.48 1°.9/15.7 17

1 12	10 26.62	+15 56.9	2.119	2.925	13.0	21.5
1 22	10 21.92	+16 26.2	2.010	2.900	10.0	21.3
2 1	10 14.89	+17 3.1	1.926	2.875	6.4	21.0
2 11	10 6.06	+17 42.8	1.869	2.850	2.8	20.7
2 21	9 56.27	+18 19.5	1.842	2.824	3.0	20.7
3 2	9 46.56	+18 48.1	1.844	2.797	6.9	20.9
3 12	9 38.02	+19 4.5	1.873	2.770	10.8	21.1
3 22	9 31.50	+19 7.3	1.926	2.743	14.2	21.2

457079 2008 EN_{92} 2 17.3 346°.49 9°.3/ 9.2 18

1 12	10 23.08	+28 46.9	1.394	2.242	16.2	20.0
1 22	10 20.38	+30 50.7	1.332	2.236	12.9	19.8
2 1	10 14.41	+32 54.8	1.293	2.231	10.2	19.7
2 11	10 5.96	+34 44.8	1.278	2.226	9.4	19.6
2 21	9 56.35	+36 7.3	1.288	2.222	11.1	19.7
3 2	9 47.25	+36 54.1	1.322	2.219	14.1	19.8
3 12	9 40.23	+37 3.6	1.375	2.216	17.5	20.0
3 22	9 36.26	+36 39.8	1.446	2.214	20.4	20.2

472619 2015 DZ_{175} 2 17.3 243°.13 3°.0/20.3 18

1 12	10 22.58	+ 0 42.5	2.790	3.536	11.7	21.3
1 22	10 18.14	+ 0 30.4	2.682	3.525	9.5	21.1
2 1	10 12.08	+ 0 30.5	2.598	3.514	6.9	20.9
2 11	10 4.85	+ 0 42.2	2.541	3.502	4.3	20.7
2 21	9 57.04	+ 1 3.9	2.514	3.491	3.0	20.6
3 2	9 49.34	+ 1 32.6	2.518	3.479	4.7	20.7
3 12	9 42.46	+ 2 4.8	2.550	3.467	7.4	20.9
3 22	9 36.96	+ 2 36.7	2.609	3.454	10.1	21.0

459964 2014 OJ 2 17.3 117°.72 0°.4/16.9 18

1 12	10 27.58	+10 26.1	1.879	2.677	14.7	22.0
1 22	10 22.47	+11 4.5	1.809	2.693	11.2	21.8
2 1	10 15.05	+11 55.3	1.763	2.710	7.2	21.6
2 11	10 6.03	+12 53.2	1.744	2.725	2.8	21.4
2 21	9 56.38	+13 51.7	1.754	2.740	1.9	21.3
3 2	9 47.22	+14 44.5	1.794	2.755	6.2	21.7
3 12	9 39.54	+15 26.7	1.861	2.769	10.2	21.9
3 22	9 34.03	+15 55.8	1.951	2.782	13.6	22.2

60165 1999 UZ_{30} 2 17.3 268°.26 0°.8/16.5 18

1 12	10 21.62	+12 41.9	2.607	3.405	11.1	19.6
1 22	10 17.58	+13 14.5	2.504	3.390	8.5	19.4
2 1	10 11.81	+13 55.4	2.427	3.374	5.4	19.2
2 11	10 4.76	+14 41.0	2.378	3.359	2.1	19.0
2 21	9 57.09	+15 26.8	2.359	3.343	1.8	18.9
3 2	9 49.56	+16 8.5	2.370	3.328	5.2	19.1
3 12	9 42.92	+16 42.4	2.409	3.312	8.4	19.3
3 22	9 37.77	+17 6.1	2.474	3.296	11.3	19.5

87695 2000 SM_{14} 2 17.3 253°.04 4°.2/20.9 17

1 12	10 23.97	− 1 41.9	2.526	3.263	13.0	19.2
1 22	10 19.36	− 2 11.7	2.422	3.255	10.7	19.1
2 1	10 12.95	− 2 27.7	2.341	3.246	8.1	18.9
2 11	10 5.22	− 2 29.4	2.286	3.237	5.5	18.7
2 21	9 56.83	− 2 18.1	2.260	3.228	4.2	18.6
3 2	9 48.58	− 1 56.2	2.263	3.219	5.5	18.7
3 12	9 41.25	− 1 27.7	2.295	3.210	8.2	18.8
3 22	9 35.48	− 0 56.8	2.352	3.201	10.9	19.0

27967 Beppebianchi 2 17.3 59°.52 5°.6/13.6 18

1 12	10 30.54	+24 16.5	1.564	2.393	15.7	17.8
1 22	10 25.16	+25 8.9	1.514	2.413	12.1	17.6
2 1	10 16.91	+26 1.0	1.486	2.433	8.3	17.5
2 11	10 6.76	+26 43.7	1.485	2.453	5.7	17.4
2 21	9 56.02	+27 9.4	1.510	2.473	6.6	17.5
3 2	9 46.12	+27 13.8	1.562	2.494	9.8	17.7
3 12	9 38.28	+26 56.6	1.638	2.514	13.3	17.9
3 22	9 33.17	+26 20.8	1.735	2.535	16.3	18.2

222344 2000 WS_{30} 2 17.3 149°.42 5°.2/11.6 18

1 12	10 27.01	+26 37.3	2.417	3.230	11.4	20.6
1 22	10 21.80	+27 56.9	2.351	3.239	8.8	20.4
2 1	10 14.54	+29 15.8	2.312	3.248	6.4	20.3
2 11	10 5.83	+30 26.7	2.302	3.256	5.2	20.2
2 21	9 56.53	+31 23.1	2.321	3.264	6.2	20.3
3 2	9 47.58	+32 0.7	2.369	3.271	8.4	20.4
3 12	9 39.90	+32 18.0	2.442	3.278	10.9	20.6
3 22	9 34.13	+32 16.2	2.538	3.284	13.2	20.8

3228 Pire 2 17.3 20°.36 1°.0/17.9 18 R

1 12	10 24.46	+ 8 29.8	1.326	2.146	18.5	16.0
1 22	10 21.01	+ 8 33.8	1.257	2.151	14.4	15.8
2 1	10 14.57	+ 8 55.2	1.208	2.156	9.5	15.5
2 11	10 5.97	+ 9 29.7	1.182	2.162	4.1	15.2
2 21	9 56.44	+10 10.9	1.182	2.169	2.0	15.1
3 2	9 47.47	+10 51.4	1.208	2.177	7.4	15.4
3 12	9 40.42	+11 24.4	1.258	2.186	12.4	15.7
3 22	9 36.15	+11 45.8	1.330	2.195	16.7	16.0

159759 2003 GK 2 17.3 254°.85 1°.8/18.6 18

1 12	10 25.60	+ 4 47.0	1.725	2.513	16.2	20.1
1 22	10 21.56	+ 5 8.8	1.622	2.496	12.9	19.8
2 1	10 14.89	+ 5 50.1	1.541	2.479	8.8	19.5
2 11	10 6.15	+ 6 48.4	1.485	2.462	4.3	19.2
2 21	9 56.27	+ 7 58.1	1.457	2.444	2.2	19.0
3 2	9 46.49	+ 9 11.9	1.458	2.425	6.6	19.2
3 12	9 38.07	+10 21.5	1.485	2.406	11.3	19.5
3 22	9 31.97	+11 20.7	1.536	2.386	15.6	19.7

381278 2007 TJ_{304} 2 17.3 75°.86 5°.5/11.8 18

1 12	10 24.99	+27 5.8	2.240	3.061	11.9	20.8
1 22	10 20.43	+28 12.7	2.173	3.064	9.3	20.6
2 1	10 13.73	+29 18.6	2.130	3.068	6.8	20.5
2 11	10 5.53	+30 16.0	2.115	3.071	5.5	20.4
2 21	9 56.72	+30 58.6	2.128	3.074	6.5	20.5
3 2	9 48.28	+31 22.3	2.170	3.078	8.8	20.6
3 12	9 41.18	+31 25.7	2.236	3.081	11.4	20.8
3 22	9 36.06	+31 10.2	2.324	3.085	13.8	21.0

131990 2002 CX_{89} 2 17.3 293°.70 0°.3/17.2 18

1 12	10 25.88	+10 54.1	1.496	2.312	17.0	20.6
1 22	10 22.21	+11 10.2	1.398	2.291	13.2	20.3
2 1	10 15.54	+11 41.2	1.321	2.271	8.7	20.0
2 11	10 6.47	+12 23.0	1.268	2.250	3.4	19.6
2 21	9 56.08	+13 8.8	1.242	2.229	2.2	19.5
3 2	9 45.81	+13 51.1	1.243	2.208	7.8	19.7
3 12	9 37.16	+14 23.3	1.269	2.188	13.0	20.0
3 22	9 31.23	+14 41.4	1.316	2.168	17.6	20.2

170808 2004 DD_{38} 2 17.3 335°.31 2°.1/19.0 18

1 12	10 23.73	+ 5 15.3	2.200	2.977	13.5	19.9
1 22	10 19.37	+ 5 5.9	2.108	2.975	10.7	19.7
2 1	10 13.03	+ 5 9.0	2.040	2.973	7.3	19.4
2 11	10 5.28	+ 5 22.8	1.999	2.972	3.8	19.2
2 21	9 56.87	+ 5 44.5	1.986	2.970	2.2	19.1
3 2	9 48.71	+ 6 10.3	2.003	2.969	5.2	19.3
3 12	9 41.67	+ 6 36.0	2.047	2.967	8.7	19.5
3 22	9 36.41	+ 6 57.9	2.117	2.966	11.9	19.7

282352 2003 FN_{75} 2 17.3 282°.66 2°.2/18.7 17

1 12	10 28.22	+ 6 43.5	1.934	2.717	14.9	20.8
1 22	10 23.34	+ 6 20.6	1.823	2.693	11.9	20.6
2 1	10 15.93	+ 6 9.2	1.734	2.669	8.2	20.3
2 11	10 6.55	+ 6 8.2	1.671	2.645	4.2	20.0
2 21	9 56.07	+ 6 15.1	1.636	2.621	2.4	19.8
3 2	9 45.63	+ 6 26.4	1.631	2.597	6.2	20.0
3 12	9 36.44	+ 6 37.9	1.654	2.572	10.5	20.2
3 22	9 29.40	+ 6 46.0	1.700	2.547	14.5	20.4

152305 2005 TN_{73} 2 17.3 62°.15 1°.6/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.51	+ 3 17.7	1.696	2.485	16.4	19.5
1 22	10 18.81	+ 4 7.5	1.630	2.505	12.8	19.3
2 1	10 12.79	+ 5 18.2	1.586	2.525	8.6	19.1
2 11	10 5.19	+ 6 44.9	1.568	2.545	4.1	18.9
2 21	9 56.96	+ 8 19.7	1.578	2.565	1.9	18.8
3 2	9 49.21	+ 9 53.9	1.617	2.585	6.0	19.1
3 12	9 42.95	+11 19.3	1.683	2.605	10.1	19.4
3 22	9 38.85	+12 30.5	1.773	2.625	13.7	19.6

143186 2002 XP_{78} 2 17.3 86°.89 0°.8/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.47	+12 19.4	1.836	2.637	14.9	20.3
1 22	10 23.82	+12 47.8	1.778	2.664	11.3	20.1
2 1	10 15.84	+13 26.0	1.743	2.691	7.1	19.9
2 11	10 6.33	+14 8.7	1.736	2.717	2.7	19.7
2 21	9 56.33	+14 50.0	1.758	2.743	2.1	19.7
3 2	9 46.96	+15 24.4	1.809	2.768	6.3	20.0
3 12	9 39.21	+15 48.4	1.887	2.793	10.2	20.3
3 22	9 33.71	+16 0.3	1.989	2.818	13.4	20.5

279610 2011 EH_{25} 2 17.3 349°.05 3°.3/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.82	− 0 53.9	1.703	2.481	16.8	20.2
1 22	10 16.22	− 0 19.7	1.614	2.477	13.6	20.0
2 1	10 11.31	+ 0 40.0	1.546	2.473	9.7	19.7
2 11	10 4.68	+ 2 2.9	1.502	2.470	5.7	19.5
2 21	9 57.22	+ 3 43.1	1.485	2.468	3.3	19.3
3 2	9 50.01	+ 5 31.7	1.496	2.466	6.2	19.5
3 12	9 44.12	+ 7 18.5	1.534	2.464	10.3	19.7
3 22	9 40.34	+ 8 55.1	1.596	2.463	14.2	20.0

147282 2003 AE_{10} 2 17.3 111°.56 2°.0/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.53	+ 2 54.1	2.172	2.935	14.1	20.5
1 22	10 21.32	+ 3 19.4	2.101	2.960	11.1	20.4
2 1	10 14.15	+ 4 0.5	2.054	2.983	7.6	20.2
2 11	10 5.67	+ 4 54.3	2.034	3.006	3.9	20.0
2 21	9 56.70	+ 5 56.0	2.044	3.028	2.2	19.9
3 2	9 48.14	+ 7 0.0	2.084	3.049	5.1	20.1
3 12	9 40.85	+ 8 0.6	2.153	3.070	8.5	20.4
3 22	9 35.40	+ 8 53.5	2.248	3.090	11.6	20.6

167805 2005 BK_{11} 2 17.3 29°.32 1°.7/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.92	+13 21.6	1.256	2.091	18.4	19.6
1 22	10 21.50	+13 56.4	1.195	2.099	14.0	19.4
2 1	10 14.94	+14 45.1	1.154	2.109	8.9	19.1
2 11	10 6.13	+15 40.3	1.136	2.118	3.5	18.8
2 21	9 56.42	+16 32.8	1.144	2.129	3.3	18.9
3 2	9 47.39	+17 14.2	1.178	2.140	8.5	19.2
3 12	9 40.45	+17 39.2	1.235	2.152	13.4	19.5
3 22	9 36.44	+17 46.0	1.312	2.165	17.6	19.8

336310 2008 TM_{31} 2 17.3 194°.73 1°.3/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.30	+13 53.5	2.211	3.015	12.6	21.5
1 22	10 19.83	+14 27.9	2.125	3.014	9.6	21.3
2 1	10 13.34	+15 10.7	2.064	3.013	6.1	21.0
2 11	10 5.41	+15 57.1	2.030	3.011	2.4	20.8
2 21	9 56.83	+16 42.0	2.026	3.010	2.3	20.8
3 2	9 48.52	+17 20.3	2.052	3.008	6.0	21.0
3 12	9 41.39	+17 48.2	2.105	3.007	9.5	21.2
3 22	9 36.08	+18 4.0	2.183	3.005	12.6	21.4

281183 2007 EN_{145} 2 17.3 268°.86 0°.7/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.47	+ 6 31.2	1.502	2.308	17.4	21.2
1 22	10 21.06	+ 7 10.1	1.407	2.293	13.7	20.9
2 1	10 14.76	+ 8 11.1	1.332	2.278	9.1	20.6
2 11	10 6.16	+ 9 30.0	1.282	2.262	3.9	20.3
2 21	9 56.32	+10 59.1	1.259	2.246	1.9	20.1
3 2	9 46.61	+12 28.3	1.263	2.230	7.4	20.4
3 12	9 38.47	+13 48.0	1.293	2.214	12.7	20.6
3 22	9 32.96	+14 51.5	1.345	2.198	17.2	20.9

9019 Eucommia 2 17.3 206°.65 0°.7/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.26	+10 32.4	1.875	2.677	14.6	18.5
1 22	10 20.96	+11 18.3	1.787	2.674	11.2	18.3
2 1	10 14.29	+12 18.2	1.723	2.670	7.2	18.0
2 11	10 5.85	+13 26.7	1.685	2.667	2.8	17.8
2 21	9 56.57	+14 37.0	1.676	2.662	2.1	17.7
3 2	9 47.56	+15 41.9	1.697	2.657	6.6	18.0
3 12	9 39.90	+16 35.3	1.744	2.652	10.8	18.2
3 22	9 34.39	+17 13.9	1.815	2.647	14.4	18.4

330911 2009 SG_{88} 2 17.3 140°.50 4°.1/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.61	+21 27.4	1.996	2.816	13.2	21.4
1 22	10 21.84	+22 25.0	1.924	2.820	10.0	21.2
2 1	10 14.73	+23 26.0	1.876	2.823	6.7	21.0
2 11	10 5.98	+24 23.3	1.855	2.827	4.3	20.9
2 21	9 56.53	+25 9.8	1.863	2.830	5.1	20.9
3 2	9 47.49	+25 40.2	1.900	2.834	8.2	21.1
3 12	9 39.90	+25 52.3	1.962	2.837	11.5	21.3
3 22	9 34.47	+25 46.4	2.047	2.840	14.4	21.5

487586 2015 FT_{333} 2 17.3 197°.00 15°.1/29.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.00	−21 35.6	1.384	2.051	24.8	21.6
1 22	10 22.60	−22 56.3	1.303	2.050	22.6	21.4
2 1	10 15.94	−23 39.0	1.234	2.049	20.1	21.2
2 11	10 6.69	−23 34.7	1.181	2.047	17.5	21.0
2 21	9 56.04	−22 38.6	1.148	2.044	15.6	20.9
3 2	9 45.60	−20 52.5	1.135	2.042	15.1	20.9
3 12	9 37.03	−18 27.7	1.144	2.038	16.3	20.9
3 22	9 31.48	−15 40.9	1.174	2.035	18.7	21.0

300257 2007 GV_{75} 2 17.3 264°.11 4°.7/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.37	− 1 23.5	1.579	2.351	18.2	21.3
1 22	10 20.82	− 1 26.8	1.481	2.338	15.0	21.0
2 1	10 14.52	− 1 5.4	1.403	2.324	11.1	20.8
2 11	10 6.06	− 0 19.2	1.348	2.311	7.0	20.5
2 21	9 56.42	+ 0 48.4	1.318	2.297	4.7	20.3
3 2	9 46.91	+ 2 10.4	1.316	2.283	7.3	20.4
3 12	9 38.86	+ 3 37.0	1.340	2.268	11.7	20.6
3 22	9 33.29	+ 4 59.3	1.387	2.254	16.0	20.8

167513 2003 YX_{128} 2 17.3 73°.11 1°.2/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.65	+15 12.4	2.170	2.974	12.8	19.8
1 22	10 21.58	+15 22.8	2.090	2.978	9.7	19.6
2 1	10 14.43	+15 39.0	2.034	2.982	6.2	19.4
2 11	10 5.83	+15 57.1	2.005	2.986	2.5	19.2
2 21	9 56.64	+16 12.9	2.006	2.990	2.2	19.1
3 2	9 47.82	+16 22.5	2.037	2.994	5.9	19.4
3 12	9 40.29	+16 23.4	2.095	2.999	9.5	19.6
3 22	9 34.69	+16 14.7	2.178	3.003	12.5	19.8

211895 2004 JX_{32} 2 17.3 282°.32 4°.6/12.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.97	+24 0.7	2.362	3.182	11.4	20.3
1 22	10 18.94	+25 9.4	2.272	3.167	8.8	20.1
2 1	10 12.86	+26 20.6	2.209	3.152	6.2	19.9
2 11	10 5.27	+27 27.7	2.173	3.137	4.6	19.8
2 21	9 56.93	+28 24.0	2.166	3.122	5.6	19.8
3 2	9 48.78	+29 4.3	2.188	3.107	8.2	19.9
3 12	9 41.74	+29 25.9	2.235	3.091	11.0	20.1
3 22	9 36.50	+29 28.8	2.305	3.076	13.6	20.2

327824 2006 WF_{23} 2 17.3 13°.33 3°.5/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.00	+16 21.7	1.337	2.179	17.1	20.5
1 22	10 19.22	+17 23.6	1.273	2.182	13.0	20.3
2 1	10 13.47	+18 37.2	1.230	2.186	8.3	20.0
2 11	10 5.58	+19 53.1	1.211	2.191	4.1	19.8
2 21	9 56.78	+21 1.1	1.219	2.198	4.9	19.9
3 2	9 48.54	+21 52.2	1.251	2.205	9.4	20.1
3 12	9 42.21	+22 21.5	1.307	2.213	13.8	20.4
3 22	9 38.63	+22 28.2	1.383	2.222	17.7	20.7

32268 2000 PX_{1} 2 17.3 117°.63 0°.8/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.33	+11 43.3	2.509	3.307	11.5	19.5
1 22	10 17.31	+12 33.4	2.429	3.315	8.7	19.3
2 1	10 11.59	+13 32.9	2.374	3.322	5.5	19.1
2 11	10 4.70	+14 37.2	2.348	3.330	2.1	18.9
2 21	9 57.30	+15 41.1	2.352	3.337	1.9	18.9
3 2	9 50.16	+16 39.7	2.387	3.344	5.2	19.1
3 12	9 44.01	+17 28.8	2.450	3.351	8.4	19.4
3 22	9 39.39	+18 6.1	2.538	3.358	11.1	19.5

160803 2000 VF_{26} 2 17.3 93°.16 1°.8/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.34	+13 49.8	1.620	2.433	16.0	20.6
1 22	10 24.12	+14 33.4	1.560	2.453	12.1	20.4
2 1	10 16.25	+15 27.5	1.523	2.473	7.7	20.2
2 11	10 6.57	+16 25.2	1.512	2.493	3.1	20.0
2 21	9 56.25	+17 18.8	1.529	2.512	3.0	20.0
3 2	9 46.58	+18 1.6	1.575	2.532	7.4	20.3
3 12	9 38.71	+18 29.5	1.646	2.550	11.6	20.6
3 22	9 33.36	+18 41.5	1.740	2.568	15.1	20.9

158339 2001 WX_{100} 2 17.3 182°.24 1°.5/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.10	+13 24.3	1.905	2.707	14.4	21.9
1 22	10 23.83	+14 5.9	1.821	2.708	11.0	21.7
2 1	10 16.10	+14 58.2	1.760	2.709	7.0	21.4
2 11	10 6.57	+15 55.2	1.728	2.709	2.8	21.1
2 21	9 56.21	+16 50.3	1.724	2.708	2.7	21.1
3 2	9 46.19	+17 37.1	1.750	2.706	6.9	21.4
3 12	9 37.62	+18 11.1	1.803	2.703	10.9	21.6
3 22	9 31.31	+18 30.2	1.880	2.700	14.4	21.8

469724 2005 MC_{44} 2 17.3 267°.35 6°.0/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.30	+27 19.3	2.487	3.306	10.9	21.3
1 22	10 19.30	+29 19.0	2.399	3.288	8.6	21.1
2 1	10 13.19	+31 21.4	2.338	3.270	6.6	20.9
2 11	10 5.46	+33 17.8	2.307	3.252	6.0	20.8
2 21	9 56.82	+34 59.8	2.307	3.233	7.3	20.9
3 2	9 48.23	+36 20.8	2.334	3.214	9.6	21.0
3 12	9 40.65	+37 17.5	2.388	3.195	12.0	21.1
3 22	9 34.86	+37 50.0	2.462	3.176	14.3	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
50073 2000 AA_{82}			2 17.3 102°.52		1°.1/18.1 18	
	h m	° ′			°	m
1 12	10 28.27	+ 6 14.0	1.479	2.278	18.0	19.4
1 22	10 23.56	+ 6 43.8	1.413	2.294	13.9	19.2
2 1	10 16.05	+ 7 33.1	1.368	2.310	9.2	18.9
2 11	10 6.55	+ 8 36.9	1.347	2.326	4.0	18.6
2 21	9 56.27	+ 9 47.5	1.354	2.341	1.9	18.5
3 2	9 46.57	+10 56.4	1.389	2.356	6.9	18.9
3 12	9 38.72	+11 56.0	1.450	2.370	11.6	19.2
3 22	9 33.52	+12 41.6	1.534	2.384	15.6	19.5
316883 2000 SA_{24}			2 17.3 263°.17		9°.3/ 8.2 17	
1 12	10 41.30	+41 15.0	2.403	3.181	12.5	21.1
1 22	10 33.47	+42 24.6	2.309	3.151	10.8	20.9
2 1	10 22.52	+43 24.1	2.241	3.121	9.6	20.8
2 11	10 9.20	+44 3.6	2.198	3.089	9.4	20.7
2 21	9 54.70	+44 15.3	2.184	3.057	10.3	20.7
3 2	9 40.57	+43 55.2	2.195	3.023	12.1	20.7
3 12	9 28.27	+43 4.6	2.231	2.989	14.3	20.8
3 22	9 18.79	+41 48.6	2.287	2.954	16.4	20.9
522208 2016 AZ_{262}			2 17.3 289°.47		4°.7/20.8 17	
1 12	10 23.54	− 1 6.1	1.783	2.548	16.7	21.8
1 22	10 19.83	− 1 23.8	1.686	2.538	13.7	21.5
2 1	10 13.69	− 1 21.3	1.609	2.527	10.2	21.3
2 11	10 5.70	− 0 58.2	1.556	2.516	6.6	21.1
2 21	9 56.75	− 0 17.0	1.530	2.506	4.7	20.9
3 2	9 47.96	+ 0 37.3	1.532	2.496	6.8	21.0
3 12	9 40.49	+ 1 37.6	1.560	2.485	10.5	21.2
3 22	9 35.17	+ 2 36.9	1.611	2.475	14.3	21.4
419021 2009 QR_{22}			2 17.3 126°.10		2°.1/15.7 18	
1 12	10 30.07	+17 29.2	2.218	3.019	12.7	21.6
1 22	10 24.06	+17 52.9	2.147	3.033	9.6	21.4
2 1	10 15.96	+18 20.9	2.100	3.048	6.1	21.2
2 11	10 6.44	+18 48.2	2.082	3.061	2.8	21.0
2 21	9 56.40	+19 10.1	2.095	3.075	3.0	21.0
3 2	9 46.83	+19 22.9	2.137	3.087	6.3	21.3
3 12	9 38.64	+19 24.5	2.208	3.099	9.6	21.5
3 22	9 32.45	+19 14.7	2.303	3.111	12.5	21.7
412131 2013 GS_{46}			2 17.3 241°.89		1°.1/16.5 17	
1 12	10 27.37	+12 37.3	1.846	2.651	14.7	21.9
1 22	10 22.75	+13 11.8	1.750	2.639	11.3	21.6
2 1	10 15.57	+13 58.3	1.677	2.626	7.3	21.3
2 11	10 6.45	+14 51.5	1.631	2.612	2.9	21.0
2 21	9 56.32	+15 44.9	1.613	2.598	2.5	21.0
3 2	9 46.39	+16 31.8	1.624	2.583	7.0	21.2
3 12	9 37.84	+17 7.0	1.662	2.568	11.4	21.5
3 22	9 31.56	+17 27.7	1.723	2.552	15.1	21.7
370765 2004 RR_{283}			2 17.3 312°.25		3°.4/15.1 18	
1 12	10 27.88	+19 50.0	1.720	2.543	14.8	21.0
1 22	10 23.29	+20 15.0	1.634	2.532	11.4	20.8
2 1	10 15.96	+20 44.4	1.570	2.521	7.5	20.5
2 11	10 6.59	+21 11.7	1.532	2.510	4.0	20.3
2 21	9 56.27	+21 30.2	1.522	2.499	4.5	20.3
3 2	9 46.30	+21 34.9	1.540	2.489	8.4	20.5
3 12	9 37.97	+21 23.3	1.583	2.479	12.4	20.7
3 22	9 32.15	+20 55.7	1.648	2.470	16.1	20.9
459369 2012 JR_{24}			2 17.3 301°.86		0°.7/17.8 17	
1 12	10 22.47	+ 7 38.8	1.676	2.482	15.9	21.2
1 22	10 19.34	+ 8 4.8	1.569	2.455	12.5	20.9
2 1	10 13.59	+ 8 48.8	1.483	2.429	8.3	20.6
2 11	10 5.75	+ 9 47.7	1.423	2.403	3.6	20.2
2 21	9 56.70	+10 55.4	1.389	2.376	1.8	20.0
3 2	9 47.67	+12 4.1	1.383	2.350	6.9	20.3
3 12	9 39.96	+13 5.9	1.403	2.324	11.8	20.5
3 22	9 34.57	+13 55.0	1.445	2.299	16.2	20.7
429745 2011 QC_{66}			2 17.3 187°.68		1°.1/16.1 17	
1 12	10 24.24	+15 7.1	3.042	3.833	9.8	22.0
1 22	10 19.24	+15 28.8	2.950	3.832	7.4	21.8
2 1	10 12.73	+15 55.2	2.885	3.831	4.7	21.6
2 11	10 5.16	+16 23.0	2.849	3.829	1.9	21.4
2 21	9 57.14	+16 49.0	2.844	3.827	1.9	21.4
3 2	9 49.32	+17 10.1	2.871	3.825	4.7	21.6
3 12	9 42.36	+17 23.9	2.927	3.822	7.4	21.8
3 22	9 36.74	+17 29.3	3.009	3.818	9.8	21.9
92432 2000 JQ_{65}			2 17.3 267°.08		0°.8/17.9 18	
1 12	10 24.74	+ 6 9.7	1.629	2.427	16.6	20.2
1 22	10 21.14	+ 6 48.8	1.526	2.408	13.1	19.9
2 1	10 14.78	+ 7 49.3	1.444	2.388	8.8	19.6
2 11	10 6.23	+ 9 7.4	1.388	2.367	3.8	19.2
2 21	9 56.43	+10 36.0	1.359	2.346	1.8	19.0
3 2	9 46.69	+12 5.9	1.359	2.325	7.1	19.3
3 12	9 38.36	+13 27.7	1.385	2.304	12.1	19.5
3 22	9 32.47	+14 34.8	1.433	2.282	16.6	19.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
121432 1999 TG_{171}			2 17.3 151°.91		1°.0/18.1 18	
	h m	° ′			°	m
1 12	10 28.53	+ 6 49.9	1.594	2.390	17.0	20.5
1 22	10 23.75	+ 7 15.3	1.517	2.396	13.3	20.3
2 1	10 16.21	+ 7 58.6	1.460	2.402	8.8	20.0
2 11	10 6.68	+ 8 55.5	1.429	2.408	3.8	19.7
2 21	9 56.25	+ 9 59.3	1.426	2.413	1.8	19.6
3 2	9 46.25	+11 2.2	1.451	2.418	6.8	19.9
3 12	9 37.94	+11 57.0	1.503	2.421	11.4	20.2
3 22	9 32.17	+12 39.2	1.578	2.425	15.4	20.5
97341 2000 AU_{1}			2 17.3 39°.15		1°.7/15.9 18	
1 12	10 22.21	+12 53.9	1.703	2.523	15.1	18.9
1 22	10 18.69	+13 49.4	1.638	2.536	11.4	18.7
2 1	10 12.80	+14 57.0	1.596	2.549	7.2	18.5
2 11	10 5.27	+16 9.7	1.581	2.563	2.9	18.2
2 21	9 57.09	+17 19.6	1.594	2.577	2.9	18.3
3 2	9 49.37	+18 19.6	1.634	2.592	7.1	18.6
3 12	9 43.17	+19 4.4	1.700	2.607	11.1	18.8
3 22	9 39.16	+19 32.0	1.789	2.622	14.5	19.1
232350 2002 VR_{79}			2 17.3 64°.68		7°.4/12.5 18	
1 12	10 30.17	+24 19.2	1.234	2.077	18.2	19.6
1 22	10 25.71	+25 53.9	1.188	2.094	14.0	19.4
2 1	10 17.72	+27 30.2	1.164	2.111	9.9	19.2
2 11	10 7.27	+28 54.2	1.163	2.129	7.5	19.1
2 21	9 55.98	+29 53.9	1.188	2.146	8.8	19.2
3 2	9 45.65	+30 22.3	1.237	2.163	12.4	19.5
3 12	9 37.82	+30 19.2	1.308	2.181	16.2	19.8
3 22	9 33.29	+29 49.1	1.398	2.199	19.5	20.0
69043 2002 XJ_{55}			2 17.3 95°.83		1°.2/18.2 18	
1 12	10 27.35	+ 6 11.3	1.438	2.240	18.2	20.2
1 22	10 22.99	+ 6 40.8	1.370	2.254	14.2	20.0
2 1	10 15.77	+ 7 30.4	1.323	2.267	9.4	19.7
2 11	10 6.50	+ 8 35.3	1.301	2.280	4.1	19.4
2 21	9 56.39	+ 9 47.6	1.306	2.293	1.9	19.3
3 2	9 46.86	+10 58.3	1.338	2.306	7.0	19.7
3 12	9 39.18	+11 59.6	1.396	2.318	11.8	20.0
3 22	9 34.18	+12 46.5	1.476	2.330	15.9	20.2
419808 2010 WD_{59}			2 17.3 93°.62		0°.7/17.9 18	
1 12	10 28.89	+ 7 52.4	2.017	2.800	14.4	22.2
1 22	10 23.19	+ 8 13.7	1.956	2.830	11.1	22.0
2 1	10 15.39	+ 8 47.3	1.918	2.859	7.2	21.8
2 11	10 6.22	+ 9 29.4	1.908	2.887	3.1	21.6
2 21	9 56.59	+10 14.8	1.928	2.915	1.5	21.5
3 2	9 47.51	+10 58.2	1.978	2.942	5.4	21.9
3 12	9 39.87	+11 35.3	2.056	2.969	9.1	22.1
3 22	9 34.26	+12 3.3	2.159	2.994	12.3	22.4
243763 2000 RF_{18}			2 17.3 159°.60		0°.4/16.9 17	
1 12	10 24.93	+12 49.2	3.179	3.961	9.6	21.4
1 22	10 19.64	+13 1.4	3.092	3.968	7.3	21.3
2 1	10 12.92	+13 18.8	3.031	3.975	4.7	21.1
2 11	10 5.24	+13 38.8	3.000	3.981	1.8	20.9
2 21	9 57.15	+13 58.6	3.000	3.986	1.3	20.9
3 2	9 49.29	+14 15.4	3.033	3.991	4.2	21.1
3 12	9 42.28	+14 27.1	3.095	3.996	6.8	21.3
3 22	9 36.56	+14 32.4	3.184	4.000	9.2	21.4
38826 2000 RZ_{92}			2 17.3 39°.96		3°.2/15.8 18	
1 12	10 32.68	+19 11.2	1.344	2.173	17.8	18.2
1 22	10 27.32	+19 18.8	1.280	2.181	13.6	17.9
2 1	10 18.65	+19 30.8	1.237	2.189	8.8	17.7
2 11	10 7.64	+19 40.0	1.218	2.198	4.2	17.4
2 21	9 55.78	+19 39.8	1.226	2.207	4.4	17.4
3 2	9 44.74	+19 25.5	1.261	2.217	9.0	17.7
3 12	9 35.99	+18 56.3	1.319	2.227	13.6	18.0
3 22	9 30.37	+18 13.5	1.399	2.237	17.5	18.3
233995 1996 RH_{16}			2 17.3 270°.93		0°.6/17.9 17	
1 12	10 22.20	+ 8 0.6	2.251	3.040	12.9	21.1
1 22	10 18.24	+ 8 22.5	2.159	3.037	10.0	20.9
2 1	10 12.36	+ 8 56.6	2.091	3.033	6.6	20.7
2 11	10 5.10	+ 9 39.6	2.050	3.029	2.8	20.5
2 21	9 57.20	+10 27.2	2.039	3.026	1.4	20.3
3 2	9 49.52	+11 14.4	2.057	3.022	5.2	20.6
3 12	9 42.91	+11 56.5	2.103	3.019	8.8	20.8
3 22	9 38.01	+12 30.1	2.174	3.015	12.0	21.0
453035 2007 RC_{315}			2 17.3 125°.09		0°.8/17.9 18	
1 12	10 28.60	+ 7 33.7	1.879	2.665	15.2	22.1
1 22	10 23.29	+ 7 56.5	1.806	2.681	11.7	21.9
2 1	10 15.65	+ 8 33.5	1.756	2.696	7.7	21.7
2 11	10 6.40	+ 9 20.6	1.732	2.711	3.3	21.5
2 21	9 56.49	+10 12.3	1.738	2.725	1.6	21.4
3 2	9 47.05	+11 2.5	1.774	2.739	5.9	21.7
3 12	9 39.09	+11 45.9	1.837	2.752	9.9	22.0
3 22	9 33.32	+12 19.0	1.925	2.764	13.4	22.2

301992 2000 QH_{14} 2 17.3 216°.50 0°.1/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 29.65	+10 38.7	1.769	2.567	15.5	20.9
1 22	10 24.50	+10 48.3	1.678	2.561	12.0	20.7
2 1	10 16.70	+11 9.8	1.610	2.555	7.8	20.4
2 11	10 6.91	+11 39.3	1.568	2.549	3.2	20.1
2 21	9 56.15	+12 11.5	1.555	2.542	1.8	20.0
3 2	9 45.70	+12 40.9	1.571	2.534	6.7	20.3
3 12	9 36.76	+13 2.7	1.613	2.526	11.1	20.5
3 22	9 30.23	+13 14.1	1.679	2.518	15.0	20.8

429358 2010 GS_{73} 2 17.3 262°.05 0°.8/17.9 16

1 12	10 28.86	+10 4.7	2.696	3.469	11.4	21.1
1 22	10 23.04	+ 9 46.5	2.583	3.451	8.9	20.9
2 1	10 15.35	+ 9 34.5	2.495	3.433	5.9	20.6
2 11	10 6.29	+ 9 27.1	2.436	3.414	2.6	20.4
2 21	9 56.53	+ 9 22.1	2.408	3.395	1.3	20.2
3 2	9 46.89	+ 9 17.3	2.413	3.376	4.7	20.5
3 12	9 38.19	+ 9 10.5	2.447	3.356	8.0	20.6
3 22	9 31.07	+ 8 59.9	2.508	3.336	11.0	20.8

48109 2001 FV_{72} 2 17.4 267°.51 0°.1/17.5 18

1 12	10 23.82	+ 8 17.1	1.739	2.542	15.5	19.3
1 22	10 20.15	+ 8 56.5	1.645	2.530	12.1	19.0
2 1	10 13.96	+ 9 53.1	1.573	2.519	7.9	18.7
2 11	10 5.86	+11 2.5	1.527	2.508	3.2	18.4
2 21	9 56.77	+12 17.8	1.509	2.496	1.8	18.3
3 2	9 47.86	+13 30.9	1.520	2.484	6.7	18.6
3 12	9 40.34	+14 34.4	1.556	2.472	11.3	18.8
3 22	9 35.07	+15 23.6	1.616	2.461	15.2	19.0

125745 2001 XF_{119} 2 17.4 65°.04 6°.3/11.2 18

1 12	10 24.46	+24 41.1	1.798	2.629	13.9	19.5
1 22	10 20.60	+26 28.3	1.736	2.635	10.7	19.3
2 1	10 14.17	+28 18.1	1.699	2.642	7.8	19.1
2 11	10 5.89	+29 59.7	1.689	2.648	6.3	19.0
2 21	9 56.80	+31 23.5	1.707	2.654	7.6	19.1
3 2	9 48.14	+32 22.5	1.752	2.661	10.5	19.3
3 12	9 41.06	+32 54.2	1.820	2.667	13.5	19.5
3 22	9 36.34	+33 0.1	1.909	2.674	16.2	19.7

172148 2002 LU_{5} 2 17.4 225°.54 0°.0/17.4 18

1 12	10 27.12	+ 9 49.4	1.985	2.778	14.2	21.4
1 22	10 22.35	+10 14.9	1.887	2.768	11.0	21.2
2 1	10 15.22	+10 53.2	1.814	2.758	7.2	20.9
2 11	10 6.32	+11 40.2	1.767	2.748	2.9	20.6
2 21	9 56.53	+12 30.6	1.749	2.736	1.7	20.5
3 2	9 46.92	+13 18.3	1.762	2.724	6.2	20.8
3 12	9 38.60	+13 58.2	1.801	2.712	10.3	21.0
3 22	9 32.35	+14 26.9	1.865	2.699	14.0	21.2

360381 2002 CC_{213} 2 17.4 341°.64 2°.0/16.3 18

1 12	10 25.36	+14 59.0	1.217	2.057	18.6	20.7
1 22	10 22.26	+15 14.4	1.141	2.048	14.3	20.5
2 1	10 15.76	+15 41.7	1.084	2.040	9.2	20.1
2 11	10 6.67	+16 14.2	1.050	2.032	3.8	19.8
2 21	9 56.33	+16 43.7	1.041	2.026	3.5	19.8
3 2	9 46.47	+17 2.5	1.057	2.020	9.1	20.1
3 12	9 38.71	+17 5.7	1.095	2.016	14.4	20.3
3 22	9 34.12	+16 52.0	1.153	2.013	19.0	20.6

63999 2001 SD_{113} 2 17.4 41°.66 6°.7/11.3 18

1 12	10 26.34	+30 2.6	2.035	2.858	12.8	19.3
1 22	10 21.67	+31 9.5	1.979	2.869	10.1	19.1
2 1	10 14.64	+32 12.1	1.948	2.880	7.8	19.0
2 11	10 6.01	+33 2.4	1.944	2.891	6.7	19.0
2 21	9 56.79	+33 33.8	1.967	2.903	7.6	19.0
3 2	9 48.12	+33 42.7	2.016	2.915	9.9	19.2
3 12	9 41.02	+33 29.1	2.090	2.927	12.4	19.4
3 22	9 36.14	+32 55.5	2.184	2.939	14.7	19.6

256001 2006 TY_{121} 2 17.4 43°.65 7°.4/24.8 18

1 12	10 20.00	−12 4.4	1.504	2.233	20.8	20.2
1 22	10 17.30	−11 36.6	1.433	2.249	17.6	20.0
2 1	10 12.07	−10 31.4	1.380	2.266	14.0	19.8
2 11	10 5.07	− 8 49.1	1.348	2.283	10.3	19.6
2 21	9 57.32	− 6 35.3	1.341	2.301	7.6	19.5
3 2	9 50.05	− 4 1.0	1.361	2.320	8.0	19.6
3 12	9 44.38	− 1 21.0	1.407	2.339	11.0	19.8
3 22	9 41.05	+ 1 11.4	1.479	2.358	14.5	20.0

173980 2001 XY_{135} 2 17.4 103°.01 0°.3/17.6 18

1 12	10 22.23	+ 8 58.0	2.488	3.275	11.8	21.0
1 22	10 17.99	+ 9 24.5	2.408	3.285	9.1	20.8
2 1	10 12.06	+10 1.2	2.353	3.295	5.9	20.6
2 11	10 4.97	+10 44.8	2.325	3.305	2.4	20.4
2 21	9 57.39	+11 30.9	2.328	3.315	1.2	20.3
3 2	9 50.09	+12 15.3	2.361	3.324	4.7	20.6
3 12	9 43.79	+12 53.9	2.422	3.334	8.0	20.8
3 22	9 39.05	+13 24.2	2.509	3.343	10.8	21.0

40603 1999 RD_{154} 2 17.4 46°.60 0°.5/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 27.36	+10 25.8	1.755	2.557	15.4	18.6
1 22	10 22.53	+10 20.0	1.682	2.566	11.9	18.4
2 1	10 15.26	+10 25.1	1.631	2.576	7.8	18.2
2 11	10 6.29	+10 37.7	1.606	2.586	3.2	17.9
2 21	9 56.64	+10 53.4	1.610	2.597	1.6	17.8
3 2	9 47.48	+11 7.9	1.642	2.607	6.2	18.1
3 12	9 39.88	+11 17.3	1.700	2.618	10.3	18.4
3 22	9 34.56	+11 19.0	1.782	2.629	13.9	18.6

520999 2015 BJ_{515} 2 17.4 141°.34 16°.2/ 2.5 18

1 12	10 34.50	+38 31.2	1.113	1.954	19.9	20.5
1 22	10 30.87	+42 27.6	1.081	1.961	17.4	20.3
2 1	10 22.23	+46 8.7	1.071	1.967	16.3	20.3
2 11	10 9.48	+49 8.8	1.084	1.972	16.9	20.3
2 21	9 54.72	+51 9.6	1.118	1.977	18.9	20.5
3 2	9 40.87	+52 5.0	1.170	1.982	21.5	20.7
3 12	9 30.54	+52 1.8	1.238	1.986	24.1	20.9
3 22	9 25.10	+51 12.8	1.316	1.990	26.2	21.1

104126 2000 ET_{58} 2 17.4 217°.17 3°.1/14.6 18

1 12	10 26.03	+20 21.5	2.329	3.140	11.8	20.0
1 22	10 21.14	+20 57.9	2.245	3.137	9.0	19.8
2 1	10 14.22	+21 37.4	2.186	3.134	5.9	19.6
2 11	10 5.87	+22 14.7	2.156	3.131	3.4	19.5
2 21	9 56.88	+22 44.5	2.154	3.127	3.9	19.5
3 2	9 48.19	+23 2.8	2.183	3.123	6.8	19.7
3 12	9 40.69	+23 7.4	2.238	3.120	9.9	19.9
3 22	9 35.05	+22 58.0	2.317	3.116	12.7	20.0

463806 2014 SN_{336} 2 17.4 90°.68 5°.3/22.4 18

1 12	10 22.86	− 6 6.9	1.830	2.569	17.2	21.2
1 22	10 19.07	− 5 53.7	1.751	2.582	14.3	21.0
2 1	10 13.04	− 5 14.4	1.692	2.594	10.9	20.8
2 11	10 5.43	− 4 10.1	1.657	2.607	7.4	20.6
2 21	9 57.14	− 2 44.8	1.649	2.619	5.4	20.5
3 2	9 49.20	− 1 6.1	1.670	2.631	6.6	20.6
3 12	9 42.62	+ 0 37.0	1.718	2.643	9.7	20.8
3 22	9 38.10	+ 2 15.8	1.790	2.655	13.1	21.0

451699 2013 CX_{49} 2 17.4 53°.69 4°.1/20.2 18

1 12	10 25.32	+ 0 32.8	1.250	2.047	20.8	21.2
1 22	10 21.71	+ 0 34.8	1.191	2.065	16.6	20.9
2 1	10 15.06	+ 1 4.1	1.150	2.083	11.8	20.7
2 11	10 6.28	+ 1 58.0	1.132	2.102	6.8	20.5
2 21	9 56.67	+ 3 9.9	1.138	2.121	4.1	20.4
3 2	9 47.75	+ 4 30.1	1.170	2.140	7.4	20.6
3 12	9 40.85	+ 5 47.8	1.227	2.160	12.1	20.9
3 22	9 36.80	+ 6 55.1	1.305	2.179	16.3	21.2

418615 2008 SH_{300} 2 17.4 134°.03 2°.3/15.3 18

1 12	10 26.11	+17 9.7	2.250	3.057	12.3	21.1
1 22	10 21.16	+17 50.3	2.175	3.065	9.3	20.9
2 1	10 14.20	+18 36.4	2.125	3.074	5.9	20.7
2 11	10 5.84	+19 22.7	2.103	3.082	2.8	20.6
2 21	9 56.92	+20 3.8	2.111	3.089	3.2	20.6
3 2	9 48.35	+20 35.0	2.149	3.097	6.4	20.8
3 12	9 41.03	+20 53.6	2.214	3.104	9.7	21.0
3 22	9 35.57	+20 58.8	2.303	3.110	12.5	21.2

113922 2002 TD_{287} 2 17.4 156°.94 0°.9/18.0 18

1 12	10 30.12	+ 7 46.3	1.692	2.483	16.4	20.0
1 22	10 24.83	+ 8 0.8	1.612	2.490	12.7	19.8
2 1	10 16.88	+ 8 30.5	1.554	2.496	8.4	19.5
2 11	10 6.99	+ 9 11.6	1.522	2.501	3.7	19.3
2 21	9 56.24	+ 9 58.5	1.519	2.506	1.8	19.1
3 2	9 45.92	+10 44.5	1.545	2.510	6.5	19.4
3 12	9 37.24	+11 24.0	1.597	2.514	11.0	19.7
3 22	9 31.02	+11 53.0	1.673	2.517	14.9	20.0

360338 2001 UO_{11} 2 17.4 132°.67 10°.7/ 3.8 18

1 12	10 39.20	+49 6.4	2.521	3.281	12.5	20.8
1 22	10 31.80	+50 57.2	2.495	3.300	11.3	20.8
2 1	10 21.33	+52 30.8	2.493	3.317	10.8	20.8
2 11	10 8.71	+53 38.1	2.516	3.334	10.9	20.8
2 21	9 55.29	+54 13.8	2.563	3.350	11.7	20.9
3 2	9 42.62	+54 16.3	2.632	3.366	12.9	21.0
3 12	9 32.05	+53 48.9	2.721	3.380	14.1	21.1
3 22	9 24.41	+52 57.2	2.826	3.394	15.2	21.2

113739 2002 TX_{157} 2 17.4 95°.95 5°.9/12.0 18

1 12	10 27.38	+23 46.7	1.768	2.595	14.3	19.3
1 22	10 22.74	+25 27.8	1.713	2.611	11.0	19.1
2 1	10 15.49	+27 11.0	1.683	2.627	7.7	19.0
2 11	10 6.42	+28 45.8	1.681	2.643	5.9	18.9
2 21	9 56.63	+30 2.9	1.706	2.659	7.2	19.0
3 2	9 47.39	+30 55.7	1.759	2.674	10.1	19.2
3 12	9 39.85	+31 22.4	1.836	2.689	13.2	19.4
3 22	9 34.75	+31 24.9	1.933	2.704	15.9	19.7

399563 2003 SH_{103} 2 17.4 159°.33 0°.9/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 27.64	+ 6 59.9	2.148	2.925	13.8	22.3
1 22	10 22.40	+ 7 24.3	2.063	2.934	10.7	22.1
2 1	10 15.06	+ 8 2.1	2.002	2.941	7.1	21.9
2 11	10 6.22	+ 8 49.7	1.969	2.947	3.1	21.6
2 21	9 56.73	+ 9 42.3	1.966	2.953	1.5	21.5
3 2	9 47.55	+10 34.5	1.994	2.958	5.4	21.8
3 12	9 39.62	+11 21.1	2.050	2.962	9.1	22.0
3 22	9 33.60	+11 58.8	2.131	2.966	12.4	22.2

496115 2009 WF_{242} 2 17.4 141°.19 0°.2/17.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.53	+11 0.6	2.318	3.107	12.6	22.8
1 22	10 21.38	+11 21.2	2.238	3.117	9.6	22.6
2 1	10 14.31	+11 50.9	2.182	3.127	6.2	22.4
2 11	10 5.90	+12 26.0	2.155	3.136	2.4	22.2
2 21	9 56.94	+13 2.1	2.158	3.144	1.5	22.2
3 2	9 48.31	+13 34.9	2.191	3.152	5.2	22.4
3 12	9 40.86	+14 0.8	2.252	3.160	8.7	22.7
3 22	9 35.17	+14 17.7	2.339	3.167	11.7	22.9

353413 2011 QJ_{14} 2 17.4 166°.54 1°.3/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.29	+11 59.3	1.962	2.760	14.2	22.0
1 22	10 23.16	+12 54.8	1.881	2.767	10.8	21.8
2 1	10 15.68	+14 2.5	1.824	2.772	6.9	21.5
2 11	10 6.51	+15 16.3	1.795	2.776	2.7	21.3
2 21	9 56.57	+16 29.0	1.796	2.780	2.5	21.3
3 2	9 46.97	+17 33.5	1.826	2.783	6.6	21.5
3 12	9 38.76	+18 24.8	1.885	2.784	10.6	21.8
3 22	9 32.69	+19 0.3	1.967	2.785	13.9	22.0

470460 2008 AJ_{3} 2 17.4 338°.96 10°.1/24.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.30	−14 27.1	2.102	2.775	17.1	20.2
1 22	10 20.21	−15 58.8	2.005	2.767	15.2	20.1
2 1	10 13.89	−17 9.8	1.928	2.759	13.2	19.9
2 11	10 5.86	−17 55.5	1.872	2.752	11.3	19.8
2 21	9 56.90	−18 13.3	1.841	2.745	10.2	19.7
3 2	9 48.03	−18 3.6	1.835	2.739	10.4	19.7
3 12	9 40.28	−17 30.6	1.853	2.734	11.7	19.7
3 22	9 34.46	−16 41.1	1.893	2.728	13.7	19.9

328687 2009 SS_{344} 2 17.4 185°.92 1°.9/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.71	+15 4.7	2.035	2.844	13.4	21.7
1 22	10 21.15	+15 45.3	1.953	2.844	10.2	21.5
2 1	10 14.36	+16 34.2	1.894	2.844	6.5	21.2
2 11	10 5.98	+17 26.0	1.863	2.843	2.8	21.0
2 21	9 56.88	+18 14.6	1.861	2.843	2.9	21.0
3 2	9 48.09	+18 54.3	1.888	2.842	6.7	21.3
3 12	9 40.61	+19 21.4	1.942	2.840	10.4	21.5
3 22	9 35.15	+19 34.2	2.020	2.839	13.6	21.7

368705 2005 SQ_{241} 2 17.4 82°.28 0°.1/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.63	+10 22.0	1.820	2.621	15.0	21.4
1 22	10 21.93	+10 37.7	1.747	2.632	11.5	21.2
2 1	10 14.87	+11 5.0	1.697	2.643	7.4	21.0
2 11	10 6.16	+11 39.9	1.673	2.654	3.0	20.7
2 21	9 56.80	+12 17.1	1.678	2.665	1.7	20.7
3 2	9 47.89	+12 50.9	1.712	2.676	6.1	21.0
3 12	9 40.47	+13 17.1	1.772	2.687	10.2	21.2
3 22	9 35.24	+13 32.9	1.856	2.698	13.7	21.5

319642 2006 SO_{393} 2 17.4 168°.66 1°.1/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.07	+ 7 5.1	1.930	2.718	14.8	20.9
1 22	10 21.48	+ 7 18.5	1.844	2.720	11.5	20.7
2 1	10 14.61	+ 7 46.0	1.781	2.721	7.7	20.5
2 11	10 6.10	+ 8 24.5	1.745	2.723	3.5	20.2
2 21	9 56.82	+ 9 9.2	1.737	2.724	1.7	20.1
3 2	9 47.86	+ 9 54.5	1.759	2.725	5.8	20.4
3 12	9 40.24	+10 35.0	1.808	2.726	9.8	20.6
3 22	9 34.68	+11 7.0	1.881	2.726	13.4	20.8

393617 2004 BP_{142} 2 17.4 11°.43 2°.9/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.78	+13 45.7	1.185	2.025	19.0	21.4
1 22	10 21.82	+14 49.7	1.117	2.025	14.5	21.1
2 1	10 15.48	+16 11.2	1.070	2.026	9.2	20.8
2 11	10 6.59	+17 40.3	1.046	2.028	4.0	20.5
2 21	9 56.54	+19 4.8	1.047	2.030	4.5	20.5
3 2	9 47.04	+20 13.3	1.074	2.032	9.8	20.8
3 12	9 39.70	+20 58.4	1.122	2.035	15.0	21.1
3 22	9 35.52	+21 18.4	1.190	2.038	19.4	21.4

415810 2001 PD_{37} 2 17.4 180°.84 5°.0/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.90	+25 9.5	2.034	2.846	13.2	21.1
1 22	10 25.93	+25 52.0	1.958	2.847	10.3	20.9
2 1	10 17.46	+26 34.0	1.906	2.847	7.2	20.7
2 11	10 7.21	+27 8.2	1.882	2.847	5.1	20.6
2 21	9 56.23	+27 28.4	1.887	2.847	5.9	20.6
3 2	9 45.73	+27 30.4	1.920	2.846	8.7	20.8
3 12	9 36.82	+27 13.4	1.980	2.845	11.8	21.0
3 22	9 30.25	+26 39.3	2.062	2.843	14.7	21.2

126999 2002 FJ_{36} 2 17.4 254°.88 0°.5/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.69	+10 33.0	2.297	3.090	12.5	20.9
1 22	10 19.52	+11 15.9	2.190	3.072	9.6	20.7
2 1	10 13.34	+12 10.9	2.107	3.053	6.2	20.4
2 11	10 5.62	+13 13.9	2.053	3.034	2.4	20.1
2 21	9 57.09	+14 19.5	2.029	3.015	1.8	20.1
3 2	9 48.65	+15 21.6	2.035	2.995	5.7	20.3
3 12	9 41.20	+16 15.1	2.069	2.974	9.5	20.5
3 22	9 35.49	+16 56.6	2.128	2.953	12.8	20.6

381189 2007 OD_{11} 2 17.4 70°.24 6°.6/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.63	+31 53.0	2.216	3.028	12.3	20.5
1 22	10 24.02	+32 45.6	2.155	3.036	9.8	20.3
2 1	10 16.10	+33 32.5	2.120	3.045	7.7	20.2
2 11	10 6.63	+34 6.1	2.111	3.053	6.6	20.1
2 21	9 56.60	+34 21.1	2.130	3.061	7.5	20.2
3 2	9 47.12	+34 14.5	2.176	3.069	9.5	20.4
3 12	9 39.21	+33 46.8	2.247	3.077	11.9	20.5
3 22	9 33.50	+33 0.9	2.340	3.086	14.1	20.7

150504 2000 QT_{190} 2 17.4 131°.01 4°.1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.88	+23 32.4	2.223	3.031	12.4	20.4
1 22	10 24.80	+24 12.4	2.156	3.044	9.5	20.2
2 1	10 16.54	+24 52.6	2.113	3.056	6.5	20.0
2 11	10 6.79	+25 26.8	2.099	3.068	4.3	19.9
2 21	9 56.51	+25 49.4	2.115	3.079	4.9	20.0
3 2	9 46.72	+25 57.0	2.160	3.090	7.6	20.2
3 12	9 38.38	+25 48.4	2.232	3.100	10.5	20.4
3 22	9 32.14	+25 25.1	2.327	3.110	13.2	20.6

53536 2000 AE_{239} 2 17.4 199°.82 1°.6/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.66	+ 6 18.7	1.805	2.587	15.8	19.4
1 22	10 24.48	+ 6 25.7	1.713	2.584	12.5	19.2
2 1	10 16.71	+ 6 48.1	1.643	2.580	8.4	18.9
2 11	10 7.00	+ 7 23.2	1.599	2.576	4.0	18.6
2 21	9 56.33	+ 8 6.4	1.584	2.570	2.0	18.5
3 2	9 45.93	+ 8 51.7	1.598	2.564	6.3	18.7
3 12	9 36.99	+ 9 33.1	1.640	2.557	10.7	19.0
3 22	9 30.37	+10 6.3	1.705	2.550	14.6	19.2

157004 2003 OB_{33} 2 17.4 210°.09 0°.4/16.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.97	+10 42.4	2.443	3.233	12.0	20.9
1 22	10 19.51	+11 19.2	2.347	3.228	9.2	20.7
2 1	10 13.18	+12 6.2	2.276	3.222	5.9	20.5
2 11	10 5.51	+12 59.6	2.234	3.215	2.3	20.2
2 21	9 57.19	+13 54.6	2.222	3.208	1.6	20.2
3 2	9 49.06	+14 46.1	2.240	3.200	5.3	20.4
3 12	9 41.92	+15 29.8	2.287	3.193	8.7	20.6
3 22	9 36.41	+16 3.0	2.359	3.184	11.7	20.8

41937 2000 WJ_{185} 2 17.4 346°.42 2°.2/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.66	+15 34.4	1.873	2.689	14.0	19.2
1 22	10 20.55	+16 15.8	1.793	2.688	10.7	19.0
2 1	10 14.08	+17 6.0	1.736	2.687	6.8	18.8
2 11	10 5.91	+17 58.9	1.706	2.686	3.0	18.5
2 21	9 56.98	+18 47.8	1.704	2.686	3.3	18.5
3 2	9 48.39	+19 26.9	1.731	2.685	7.2	18.8
3 12	9 41.20	+19 51.9	1.784	2.685	11.0	19.0
3 22	9 36.17	+20 1.4	1.860	2.684	14.4	19.2

494714 2005 QS_{40} 2 17.4 149°.70 2°.5/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.28	+ 0 13.2	2.476	3.223	13.0	22.4
1 22	10 19.59	+ 0 45.4	2.389	3.235	10.4	22.2
2 1	10 13.14	+ 1 34.3	2.325	3.245	7.3	22.0
2 11	10 5.46	+ 2 37.3	2.288	3.255	4.2	21.8
2 21	9 57.25	+ 3 50.3	2.282	3.264	2.5	21.7
3 2	9 49.29	+ 5 7.9	2.307	3.272	4.7	21.9
3 12	9 42.34	+ 6 24.2	2.362	3.280	7.8	22.1
3 22	9 36.97	+ 7 34.3	2.444	3.287	10.8	22.3

498070 2007 RG_{160} 2 17.4 117°.86 2°.5/20.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.18	+ 1 3.8	2.319	3.080	13.4	21.6
1 22	10 17.39	+ 1 26.9	2.230	3.085	10.7	21.5
2 1	10 11.81	+ 2 6.7	2.164	3.089	7.5	21.3
2 11	10 4.96	+ 3 1.0	2.125	3.094	4.3	21.1
2 21	9 57.53	+ 4 5.7	2.115	3.098	2.5	21.0
3 2	9 50.34	+ 5 15.5	2.135	3.102	4.9	21.1
3 12	9 44.17	+ 6 24.6	2.184	3.106	8.2	21.3
3 22	9 39.60	+ 7 27.8	2.258	3.110	11.2	21.5

9088 Maki 2 17.4 216°.99 2°.7/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.04	+ 2 38.8	1.838	2.609	16.0	18.6
1 22	10 23.27	+ 2 47.4	1.739	2.600	12.9	18.3
2 1	10 15.97	+ 3 14.9	1.662	2.591	9.0	18.1
2 11	10 6.73	+ 3 59.5	1.610	2.581	4.9	17.8
2 21	9 56.49	+ 4 56.9	1.587	2.570	2.8	17.6
3 2	9 46.40	+ 6 0.9	1.593	2.559	6.3	17.8
3 12	9 37.66	+ 7 4.2	1.626	2.546	10.6	18.1
3 22	9 31.14	+ 8 0.6	1.684	2.533	14.5	18.3

26370 1999 CJ_{62} 2 17.4 351°.90 3°.7/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 24.19	+ 1 8.3	2.099	2.862	14.6	17.4
1 22	10 19.90	+ 0 43.4	2.008	2.860	11.8	17.2
2 1	10 13.54	+ 0 33.7	1.939	2.859	8.6	17.0
2 11	10 5.68	+ 0 38.6	1.896	2.858	5.3	16.8
2 21	9 57.12	+ 0 56.3	1.881	2.858	3.7	16.7
3 2	9 48.80	+ 1 23.0	1.894	2.857	5.8	16.8
3 12	9 41.64	+ 1 54.1	1.935	2.857	9.0	17.0
3 22	9 36.34	+ 2 24.9	2.001	2.857	12.2	17.2

453403 2009 ED_{15} 2 17.4 24°.42 0°.1/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.34	+ 8 52.1	1.282	2.107	18.7	20.9
1 22	10 20.34	+ 9 24.0	1.215	2.113	14.4	20.7
2 1	10 14.32	+10 15.4	1.168	2.119	9.4	20.4
2 11	10 6.09	+11 20.3	1.144	2.126	3.7	20.1
2 21	9 56.91	+12 29.9	1.146	2.134	2.1	20.0
3 2	9 48.28	+13 34.5	1.174	2.142	7.7	20.4
3 12	9 41.59	+14 26.4	1.226	2.151	12.8	20.7
3 22	9 37.70	+15 1.0	1.298	2.160	17.2	20.9

99640 2002 GU_{140} 2 17.4 37°.56 3°.9/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.84	− 0 14.7	1.570	2.352	17.9	19.4
1 22	10 18.57	− 0 8.7	1.503	2.367	14.4	19.2
2 1	10 12.85	+ 0 20.7	1.457	2.383	10.3	19.0
2 11	10 5.42	+ 1 11.3	1.434	2.400	6.2	18.8
2 21	9 57.31	+ 2 17.9	1.437	2.418	3.9	18.7
3 2	9 49.68	+ 3 32.8	1.467	2.435	6.4	18.9
3 12	9 43.61	+ 4 47.4	1.524	2.454	10.4	19.1
3 22	9 39.80	+ 5 54.6	1.603	2.473	14.0	19.4

466798 2015 BL_{61} 2 17.4 134°.41 2°.9/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.55	+18 9.7	2.213	3.025	12.3	21.3
1 22	10 20.09	+19 6.0	2.137	3.031	9.3	21.1
2 1	10 13.60	+20 7.9	2.087	3.037	6.0	20.9
2 11	10 5.69	+21 9.5	2.065	3.042	3.2	20.7
2 21	9 57.15	+22 4.5	2.072	3.047	3.8	20.8
3 2	9 48.95	+22 47.5	2.109	3.052	6.9	21.0
3 12	9 41.96	+23 15.6	2.173	3.056	10.1	21.2
3 22	9 36.84	+23 27.9	2.260	3.061	12.9	21.4

393971 2005 US_{291} 2 17.4 218°.48 2°.5/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.70	+ 3 46.8	1.797	2.572	16.2	22.0
1 22	10 23.84	+ 3 50.0	1.699	2.564	12.9	21.8
2 1	10 16.37	+ 4 10.8	1.623	2.555	9.0	21.5
2 11	10 6.91	+ 4 47.6	1.572	2.545	4.8	21.2
2 21	9 56.41	+ 5 36.0	1.550	2.535	2.7	21.1
3 2	9 46.10	+ 6 30.2	1.557	2.523	6.4	21.3
3 12	9 37.18	+ 7 23.2	1.591	2.511	10.8	21.5
3 22	9 30.56	+ 8 9.6	1.649	2.499	14.7	21.7

431587 2007 VX_{106} 2 17.4 56°.24 2°.6/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.23	+ 2 34.0	2.196	2.966	13.8	21.5
1 22	10 18.25	+ 2 36.8	2.113	2.973	11.0	21.3
2 1	10 12.39	+ 2 54.7	2.053	2.980	7.7	21.1
2 11	10 5.20	+ 3 25.9	2.018	2.988	4.3	20.9
2 21	9 57.44	+ 4 7.0	2.013	2.995	2.6	20.8
3 2	9 49.96	+ 4 53.3	2.037	3.003	5.1	21.0
3 12	9 43.59	+ 5 39.7	2.088	3.011	8.4	21.2
3 22	9 38.94	+ 6 21.8	2.165	3.019	11.5	21.4

492421 2014 LP_{8} 2 17.4 158°.01 1°.3/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.95	+11 42.6	1.753	2.558	15.3	22.0
1 22	10 23.17	+12 36.5	1.675	2.564	11.7	21.8
2 1	10 15.84	+13 44.1	1.621	2.570	7.5	21.5
2 11	10 6.65	+14 58.8	1.593	2.575	2.9	21.3
2 21	9 56.63	+16 12.7	1.595	2.579	2.6	21.3
3 2	9 46.99	+17 18.0	1.625	2.583	7.1	21.5
3 12	9 38.91	+18 8.9	1.682	2.586	11.3	21.8
3 22	9 33.17	+18 43.0	1.762	2.589	15.0	22.0

260035 2004 GX_{36} 2 17.4 341°.58 5°.9/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.13	+ 0 25.8	1.516	2.294	18.6	19.6
1 22	10 23.00	− 0 39.3	1.429	2.287	15.3	19.3
2 1	10 16.00	− 1 26.9	1.361	2.281	11.5	19.1
2 11	10 6.81	− 1 55.1	1.317	2.276	7.7	18.8
2 21	9 56.51	− 2 3.8	1.298	2.271	5.9	18.7
3 2	9 46.48	− 1 55.9	1.306	2.267	8.1	18.8
3 12	9 38.09	− 1 36.9	1.338	2.263	12.0	19.0
3 22	9 32.31	− 1 13.4	1.393	2.260	15.9	19.3

201476 2003 GS_{34} 2 17.4 352°.47 5°.4/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.40	+19 41.6	1.298	2.142	17.5	20.0
1 22	10 22.18	+21 2.2	1.230	2.139	13.3	19.8
2 1	10 15.68	+22 32.6	1.184	2.138	8.9	19.5
2 11	10 6.70	+24 1.4	1.161	2.136	5.6	19.3
2 21	9 56.59	+25 16.2	1.165	2.135	6.9	19.4
3 2	9 47.00	+26 7.3	1.193	2.135	11.1	19.6
3 12	9 39.50	+26 30.3	1.243	2.135	15.5	19.9
3 22	9 35.05	+26 26.3	1.313	2.135	19.4	20.1

52228 Protos 2 17.4 102°.41 10°.6/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 34.81	+49 33.0	2.539	3.304	12.3	19.0
1 22	10 28.37	+51 2.6	2.507	3.315	11.2	18.9
2 1	10 19.09	+52 15.6	2.498	3.326	10.6	18.9
2 11	10 7.88	+53 3.9	2.513	3.336	10.8	18.9
2 21	9 55.99	+53 22.5	2.552	3.347	11.5	19.0
3 2	9 44.86	+53 10.2	2.612	3.358	12.7	19.1
3 12	9 35.71	+52 29.8	2.692	3.368	13.9	19.2
3 22	9 29.28	+51 26.3	2.789	3.378	15.0	19.3

223737 2004 RR_{152} 2 17.4 112°.11 3°.8/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.61	− 2 5.1	2.257	2.998	14.3	20.9
1 22	10 19.95	− 2 2.7	2.179	3.015	11.6	20.7
2 1	10 13.42	− 1 42.3	2.122	3.032	8.5	20.5
2 11	10 5.61	− 1 5.4	2.092	3.049	5.5	20.4
2 21	9 57.26	− 0 15.0	2.091	3.065	3.8	20.3
3 2	9 49.24	+ 0 44.1	2.119	3.080	5.4	20.4
3 12	9 42.37	+ 1 45.9	2.175	3.095	8.3	20.6
3 22	9 37.22	+ 2 45.2	2.258	3.110	11.2	20.8

414162 2007 YD_{70} 2 17.4 311°.90 6°.2/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.67	− 0 44.0	1.646	2.407	18.0	20.6
1 22	10 24.76	− 1 52.9	1.555	2.401	14.9	20.4
2 1	10 17.06	− 2 45.0	1.484	2.396	11.3	20.2
2 11	10 7.22	− 3 18.0	1.438	2.391	7.9	19.9
2 21	9 56.30	− 3 31.5	1.418	2.386	6.2	19.8
3 2	9 45.61	− 3 27.6	1.425	2.382	8.1	19.9
3 12	9 36.49	− 3 11.6	1.458	2.377	11.7	20.1
3 22	9 29.87	− 2 49.5	1.514	2.373	15.3	20.3

87982 2000 TA_{57} 2 17.4 180°.50 6°.8/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.01	+31 40.8	2.315	3.125	11.9	20.1
1 22	10 24.41	+32 56.2	2.248	3.126	9.6	20.0
2 1	10 16.47	+34 7.4	2.205	3.127	7.6	19.8
2 11	10 6.87	+35 6.3	2.190	3.127	6.8	19.8
2 21	9 56.55	+35 46.2	2.204	3.127	7.7	19.8
3 2	9 46.65	+36 3.2	2.244	3.126	9.8	20.0
3 12	9 38.18	+35 57.0	2.310	3.125	12.2	20.1
3 22	9 31.88	+35 30.0	2.397	3.123	14.3	20.3

289162 2004 VH_{36} 2 17.4 194°.42 1°.9/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.56	+15 45.2	2.201	3.007	12.6	21.6
1 22	10 20.91	+16 23.6	2.116	3.006	9.5	21.4
2 1	10 14.18	+17 9.0	2.055	3.004	6.1	21.2
2 11	10 5.96	+17 56.5	2.023	3.003	2.7	21.0
2 21	9 57.07	+18 40.5	2.020	3.001	2.9	21.0
3 2	9 48.45	+19 15.9	2.046	2.998	6.4	21.2
3 12	9 41.05	+19 39.3	2.100	2.996	9.8	21.4
3 22	9 35.51	+19 49.4	2.178	2.993	12.9	21.6

334448 2002 LJ_{61} 2 17.4 306°.13 8°.5/23.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.92	−10 10.9	1.924	2.636	17.3	20.3
1 22	10 19.36	−11 7.5	1.822	2.622	15.1	20.1
2 1	10 13.47	−11 41.7	1.739	2.608	12.5	19.9
2 11	10 5.79	−11 50.3	1.678	2.595	10.0	19.7
2 21	9 57.12	−11 32.3	1.642	2.582	8.6	19.6
3 2	9 48.53	−10 49.7	1.631	2.569	9.0	19.6
3 12	9 41.11	− 9 48.6	1.646	2.556	11.2	19.7
3 22	9 35.72	− 8 37.1	1.685	2.544	14.0	19.9

464125 2014 WO_{486} 2 17.4 178°.48 1°.6/16.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.10	+14 20.7	2.001	2.808	13.6	21.5
1 22	10 21.50	+14 58.2	1.918	2.809	10.4	21.3
2 1	10 14.64	+15 44.6	1.860	2.809	6.6	21.1
2 11	10 6.17	+16 34.6	1.829	2.809	2.7	20.8
2 21	9 56.96	+17 22.2	1.827	2.810	2.7	20.8
3 2	9 48.08	+18 1.7	1.854	2.809	6.6	21.1
3 12	9 40.53	+18 29.1	1.908	2.809	10.4	21.3
3 22	9 35.02	+18 42.7	1.985	2.808	13.7	21.5

84947 2003 WX_{169} 2 17.4 97°.19 6°.5/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.66	+26 11.9	1.790	2.613	14.3	19.0
1 22	10 24.46	+27 48.9	1.741	2.634	11.1	18.8
2 1	10 16.60	+29 25.0	1.716	2.654	8.1	18.7
2 11	10 6.92	+30 49.7	1.718	2.674	6.5	18.6
2 21	9 56.58	+31 54.3	1.749	2.694	7.7	18.7
3 2	9 46.87	+32 33.4	1.806	2.713	10.4	18.9
3 12	9 38.95	+32 46.1	1.888	2.731	13.3	19.1
3 22	9 33.55	+32 35.4	1.990	2.749	15.8	19.4

142290 2002 RB_{138} 2 17.4 86°.82 1°.0/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.05	+ 9 57.9	1.833	2.631	15.0	20.1
1 22	10 22.12	+11 11.5	1.776	2.661	11.3	19.9
2 1	10 14.93	+12 38.6	1.743	2.691	7.1	19.7
2 11	10 6.22	+14 12.1	1.738	2.720	2.7	19.5
2 21	9 56.98	+15 43.6	1.763	2.748	2.3	19.5
3 2	9 48.30	+17 5.3	1.818	2.776	6.5	19.8
3 12	9 41.13	+18 11.6	1.900	2.803	10.3	20.1
3 22	9 36.13	+19 0.1	2.007	2.830	13.5	20.4

32843 1992 EC_{18} 2 17.4 108°.85 2°.2/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 27.17	+ 4 28.2	1.574	2.364	17.4	19.2
1 22	10 22.75	+ 4 40.2	1.500	2.374	13.7	18.9
2 1	10 15.64	+ 5 11.6	1.446	2.383	9.4	18.7
2 11	10 6.61	+ 5 59.3	1.417	2.393	4.7	18.5
2 21	9 56.75	+ 6 57.4	1.416	2.402	2.4	18.3
3 2	9 47.34	+ 7 58.5	1.442	2.410	6.5	18.6
3 12	9 39.60	+ 8 55.1	1.495	2.419	11.0	18.9
3 22	9 34.34	+ 9 41.9	1.571	2.427	15.0	19.1

171907 2001 ST_{31} 2 17.4 135°.78 0°.4/16.9 18

1 12	10 23.24	+11 18.3	2.912	3.697	10.4	21.4
1 22	10 18.55	+11 50.6	2.832	3.710	7.9	21.3
2 1	10 12.37	+12 30.3	2.778	3.723	5.0	21.1
2 11	10 5.18	+13 14.1	2.754	3.735	1.9	20.9
2 21	9 57.58	+13 58.1	2.761	3.747	1.3	20.9
3 2	9 50.22	+14 38.7	2.799	3.758	4.4	21.1
3 12	9 43.75	+15 12.8	2.866	3.769	7.2	21.3
3 22	9 38.64	+15 38.4	2.959	3.779	9.7	21.5

165269 2000 SE_{251} 2 17.4 206°.70 1°.8/15.8 17

1 12	10 28.49	+14 12.6	2.109	2.908	13.3	21.9
1 22	10 23.34	+15 3.0	2.015	2.901	10.2	21.7
2 1	10 15.88	+16 3.4	1.946	2.894	6.5	21.4
2 11	10 6.71	+17 8.0	1.906	2.886	2.7	21.2
2 21	9 56.68	+18 10.2	1.895	2.877	2.9	21.2
3 2	9 46.86	+19 3.8	1.915	2.867	6.7	21.4
3 12	9 38.30	+19 44.1	1.962	2.856	10.5	21.6
3 22	9 31.77	+20 9.2	2.034	2.845	13.8	21.8

385229 2000 PK_{18} 2 17.4 156°.18 2°.4/19.9 17

1 12	10 24.81	+ 2 8.5	3.075	3.818	10.8	21.6
1 22	10 19.66	+ 1 56.8	2.983	3.825	8.6	21.5
2 1	10 13.06	+ 1 55.5	2.914	3.832	6.1	21.3
2 11	10 5.46	+ 2 3.6	2.875	3.839	3.7	21.2
2 21	9 57.42	+ 2 19.3	2.866	3.844	2.4	21.1
3 2	9 49.59	+ 2 40.1	2.888	3.850	4.1	21.2
3 12	9 42.57	+ 3 2.9	2.941	3.855	6.6	21.4
3 22	9 36.84	+ 3 25.0	3.020	3.860	9.0	21.5

130757 2000 SL_{277} 2 17.4 110°.76 1°.3/16.4 18

1 12	10 30.39	+12 40.4	1.919	2.716	14.5	20.6
1 22	10 24.60	+13 27.4	1.857	2.741	11.0	20.4
2 1	10 16.51	+14 24.4	1.819	2.766	6.9	20.2
2 11	10 6.87	+15 25.3	1.809	2.790	2.7	20.0
2 21	9 56.68	+16 23.4	1.828	2.813	2.4	20.0
3 2	9 47.05	+17 12.6	1.878	2.835	6.5	20.3
3 12	9 38.98	+17 49.0	1.956	2.856	10.2	20.6
3 22	9 33.10	+18 11.1	2.057	2.876	13.4	20.8

331295 2011 EN_{8} 2 17.4 89°.96 1°.2/16.4 18

1 12	10 26.11	+12 32.0	1.949	2.753	14.0	21.3
1 22	10 21.38	+13 16.9	1.884	2.772	10.6	21.2
2 1	10 14.46	+14 11.9	1.843	2.792	6.7	21.0
2 11	10 6.07	+15 11.3	1.829	2.811	2.6	20.7
2 21	9 57.12	+16 8.8	1.845	2.829	2.3	20.7
3 2	9 48.64	+16 58.5	1.890	2.848	6.3	21.0
3 12	9 41.57	+17 36.0	1.962	2.866	10.0	21.3
3 22	9 36.55	+17 59.6	2.058	2.884	13.1	21.5

239897 2000 SG_{62} 2 17.4 129°.00 0°.2/17.2 17

1 12	10 22.99	+11 1.0	2.878	3.663	10.5	21.6
1 22	10 18.38	+11 27.6	2.799	3.676	8.0	21.4
2 1	10 12.28	+12 1.7	2.744	3.688	5.1	21.3
2 11	10 5.16	+12 40.1	2.720	3.700	2.0	21.1
2 21	9 57.63	+13 19.2	2.725	3.712	1.3	21.0
3 2	9 50.36	+13 55.4	2.762	3.723	4.4	21.2
3 12	9 43.97	+14 25.6	2.828	3.734	7.2	21.4
3 22	9 38.95	+14 48.0	2.921	3.744	9.7	21.6

453056 2007 TC_{240} 2 17.4 65°.73 2°.5/19.3 18

1 12	10 26.26	+ 3 15.9	1.468	2.261	18.4	21.3
1 22	10 22.07	+ 3 30.7	1.406	2.281	14.5	21.0
2 1	10 15.17	+ 4 7.2	1.365	2.301	9.9	20.8
2 11	10 6.41	+ 5 1.5	1.348	2.322	5.1	20.6
2 21	9 56.95	+ 6 7.3	1.357	2.343	2.7	20.5
3 2	9 48.09	+ 7 16.1	1.394	2.363	6.6	20.8
3 12	9 41.03	+ 8 19.9	1.457	2.384	11.0	21.1
3 22	9 36.49	+ 9 12.9	1.543	2.404	14.9	21.4

81296 2000 GJ_{1} 2 17.4 240°.03 4°.1/13.7 17

1 12	10 28.31	+21 38.6	2.112	2.925	12.8	20.1
1 22	10 23.33	+22 35.5	2.019	2.911	9.8	19.9
2 1	10 15.95	+23 36.7	1.951	2.897	6.7	19.7
2 11	10 6.77	+24 35.1	1.911	2.882	4.3	19.5
2 21	9 56.69	+25 23.7	1.900	2.866	5.1	19.5
3 2	9 46.81	+25 56.6	1.918	2.850	8.2	19.7
3 12	9 38.24	+26 11.1	1.962	2.834	11.6	19.8
3 22	9 31.79	+26 6.9	2.029	2.817	14.7	20.0

28215 1998 YE_{1} 2 17.4 119°.50 2°.0/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 32.31	+15 32.8	1.610	2.422	16.2	18.1
1 22	10 26.62	+15 58.0	1.542	2.434	12.3	17.9
2 1	10 18.10	+16 31.6	1.496	2.445	7.9	17.7
2 11	10 7.59	+17 7.1	1.476	2.457	3.3	17.4
2 21	9 56.30	+17 37.8	1.484	2.467	3.2	17.4
3 2	9 45.64	+17 57.9	1.521	2.478	7.6	17.7
3 12	9 36.85	+18 4.4	1.584	2.488	11.9	18.0
3 22	9 30.73	+17 56.7	1.669	2.497	15.6	18.3

41672 2000 TX_{36} 2 17.4 53°.11 21°.3/ 9.4 18

1 12	10 23.65	−31 32.8	1.185	1.806	30.2	18.0
1 22	10 21.50	−33 45.0	1.126	1.813	28.6	17.8
2 1	10 15.67	−35 10.6	1.075	1.820	26.6	17.7
2 11	10 6.90	−35 37.4	1.033	1.827	24.6	17.5
2 21	9 56.59	−34 56.9	1.005	1.835	22.8	17.4
3 2	9 46.66	−33 7.9	0.991	1.842	21.6	17.4
3 12	9 39.05	−30 20.5	0.993	1.851	21.4	17.4
3 22	9 35.00	−26 53.2	1.013	1.859	22.2	17.4

170114 2002 XN_{104} 2 17.4 103°.99 4°.1/13.0 18

1 12	10 24.79	+23 1.9	2.384	3.199	11.4	20.5
1 22	10 20.17	+24 7.8	2.319	3.212	8.7	20.4
2 1	10 13.61	+25 15.1	2.281	3.225	6.0	20.2
2 11	10 5.74	+26 17.4	2.271	3.237	4.2	20.1
2 21	9 57.34	+27 8.8	2.290	3.250	5.0	20.2
3 2	9 49.31	+27 45.0	2.339	3.262	7.5	20.4
3 12	9 42.48	+28 3.9	2.413	3.274	10.1	20.5
3 22	9 37.43	+28 6.0	2.511	3.286	12.5	20.7

320704 2008 DH_{36} 2 17.4 261°.24 7°.2/13.3 18

1 12	10 39.18	+31 7.2	1.781	2.590	15.0	20.1
1 22	10 31.96	+31 35.4	1.706	2.587	12.0	19.8
2 1	10 21.57	+31 56.6	1.654	2.583	9.1	19.7
2 11	10 8.98	+32 1.6	1.628	2.580	7.3	19.5
2 21	9 55.55	+31 43.7	1.630	2.577	8.0	19.6
3 2	9 42.88	+31 0.4	1.661	2.574	10.7	19.7
3 12	9 32.38	+29 53.9	1.716	2.571	13.9	19.9
3 22	9 24.88	+28 29.4	1.794	2.567	16.8	20.1

266410 2007 FO_{25} 2 17.4 128°.29 1°.6/18.8 18

1 12	10 23.15	+ 4 42.2	1.962	2.746	14.7	20.7
1 22	10 19.27	+ 5 6.8	1.876	2.748	11.5	20.5
2 1	10 13.24	+ 5 48.2	1.813	2.750	7.8	20.2
2 11	10 5.66	+ 6 43.1	1.776	2.751	3.8	20.0
2 21	9 57.36	+ 7 46.5	1.767	2.753	1.9	19.9
3 2	9 49.33	+ 8 52.1	1.787	2.755	5.6	20.1
3 12	9 42.55	+ 9 53.3	1.835	2.756	9.5	20.3
3 22	9 37.70	+10 45.5	1.907	2.758	13.0	20.6

85138 1981 ED_{7} 2 17.4 244°.02 5°.1/22.9 18

1 12	10 20.77	− 7 18.2	2.652	3.360	13.1	20.3
1 22	10 17.00	− 7 27.1	2.546	3.353	11.1	20.1
2 1	10 11.58	− 7 18.1	2.462	3.345	8.8	20.0
2 11	10 4.96	− 6 50.9	2.404	3.337	6.5	19.8
2 21	9 57.75	− 6 6.8	2.373	3.329	5.1	19.7
3 2	9 50.66	− 5 9.3	2.371	3.321	5.8	19.7
3 12	9 44.41	− 4 3.2	2.397	3.312	7.9	19.9
3 22	9 39.57	− 2 54.2	2.450	3.304	10.4	20.0

4319 Jackierobinson 2 17.4 212°.93 0°.3/17.6 18

1 12	10 30.62	+10 13.4	2.042	2.828	14.1	18.5
1 22	10 25.01	+10 21.3	1.944	2.821	11.0	18.3
2 1	10 16.99	+10 39.7	1.870	2.812	7.2	18.0
2 11	10 7.19	+11 5.4	1.823	2.803	3.0	17.7
2 21	9 56.50	+11 33.9	1.806	2.793	1.6	17.6
3 2	9 46.03	+12 0.5	1.820	2.783	6.0	17.9
3 12	9 36.86	+12 21.0	1.861	2.771	10.1	18.1
3 22	9 29.82	+12 32.9	1.927	2.759	13.7	18.3

109880 2001 SZ 2 17.4 61°.68 3°.8/15.0 18

1 12	10 31.45	+21 10.7	1.678	2.497	15.3	19.8
1 22	10 25.90	+21 34.4	1.611	2.507	11.7	19.5
2 1	10 17.59	+22 0.4	1.567	2.516	7.7	19.3
2 11	10 7.38	+22 21.7	1.550	2.526	4.3	19.1
2 21	9 56.46	+22 32.1	1.561	2.535	4.8	19.2
3 2	9 46.20	+22 27.3	1.599	2.545	8.4	19.4
3 12	9 37.80	+22 6.4	1.663	2.555	12.2	19.7
3 22	9 32.01	+21 30.9	1.749	2.565	15.5	19.9

217896 2001 SB_{36} 2 17.4 208°.83 0°.1/17.3 18

1 12	10 25.68	+ 9 46.0	2.283	3.071	12.8	21.7
1 22	10 20.99	+10 19.6	2.187	3.065	9.8	21.5
2 1	10 14.27	+11 4.7	2.115	3.058	6.4	21.2
2 11	10 6.07	+11 57.5	2.071	3.051	2.5	21.0
2 21	9 57.14	+12 52.9	2.057	3.043	1.5	20.9
3 2	9 48.40	+13 45.6	2.073	3.035	5.5	21.1
3 12	9 40.74	+14 30.7	2.118	3.026	9.2	21.3
3 22	9 34.85	+15 5.3	2.188	3.016	12.4	21.5

360787 2005 GO_{24} 2 17.4 163.°60 0.°8/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.86	+ 6 57.9	2.184	2.962	13.6	22.0
1 22	10 21.85	+ 7 24.4	2.098	2.968	10.5	21.8
2 1	10 14.79	+ 8 4.2	2.035	2.974	7.0	21.6
2 11	10 6.25	+ 8 53.9	2.001	2.979	3.1	21.4
2 21	9 57.06	+ 9 48.6	1.996	2.983	1.4	21.3
3 2	9 48.15	+10 42.9	2.022	2.987	5.3	21.5
3 12	9 40.44	+11 31.7	2.076	2.989	9.0	21.8
3 22	9 34.59	+12 11.4	2.156	2.991	12.3	22.0

345714 2006 WA_{73} 2 17.4 177.°91 1.°7/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.20	+16 44.1	2.924	3.723	10.0	22.2
1 22	10 18.62	+17 20.8	2.837	3.724	7.5	22.1
2 1	10 12.49	+18 2.0	2.777	3.725	4.8	21.9
2 11	10 5.29	+18 43.8	2.747	3.726	2.2	21.7
2 21	9 57.61	+19 22.4	2.747	3.726	2.5	21.7
3 2	9 50.14	+19 53.9	2.778	3.726	5.1	21.9
3 12	9 43.55	+20 16.0	2.837	3.725	7.8	22.1
3 22	9 38.34	+20 27.6	2.922	3.725	10.3	22.2

334601 2002 TY_{278} 2 17.4 133.°57 1.°8/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.55	+ 4 15.3	2.742	3.501	11.6	21.5
1 22	10 19.62	+ 4 19.8	2.658	3.514	9.1	21.4
2 1	10 13.11	+ 4 35.4	2.599	3.527	6.3	21.2
2 11	10 5.52	+ 5 0.2	2.567	3.539	3.3	21.0
2 21	9 57.49	+ 5 31.5	2.567	3.550	1.9	20.9
3 2	9 49.71	+ 6 5.8	2.597	3.562	4.3	21.1
3 12	9 42.87	+ 6 39.4	2.657	3.572	7.2	21.3
3 22	9 37.48	+ 7 9.3	2.743	3.583	9.8	21.5

45130 1999 XQ_{91} 2 17.4 165.°95 0.°2/17.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.84	+ 9 53.7	2.176	2.965	13.3	18.8
1 22	10 21.87	+10 29.8	2.091	2.970	10.2	18.6
2 1	10 14.81	+11 17.5	2.031	2.975	6.6	18.4
2 11	10 6.27	+12 12.6	1.998	2.979	2.6	18.2
2 21	9 57.06	+13 9.5	1.996	2.982	1.6	18.1
3 2	9 48.14	+14 2.6	2.024	2.985	5.6	18.4
3 12	9 40.43	+14 47.3	2.080	2.987	9.3	18.6
3 22	9 34.61	+15 20.7	2.161	2.989	12.5	18.8

366874 2005 SX_{200} 2 17.4 185.°13 0.°5/16.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.20	+11 17.5	2.251	3.043	12.8	22.3
1 22	10 21.35	+11 49.4	2.162	3.043	9.8	22.1
2 1	10 14.47	+12 31.3	2.098	3.043	6.3	21.9
2 11	10 6.14	+13 19.2	2.061	3.042	2.4	21.7
2 21	9 57.13	+14 7.9	2.055	3.041	1.7	21.6
3 2	9 48.37	+14 52.4	2.079	3.039	5.6	21.9
3 12	9 40.76	+15 28.4	2.131	3.036	9.2	22.1
3 22	9 34.97	+15 53.5	2.207	3.033	12.4	22.3

197517 2004 CU_{103} 2 17.4 329.°30 1.°4/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.75	+ 6 59.7	2.000	2.791	14.2	19.8
1 22	10 19.00	+ 7 1.1	1.906	2.783	11.1	19.6
2 1	10 13.10	+ 7 15.6	1.835	2.775	7.5	19.4
2 11	10 5.63	+ 7 40.8	1.790	2.767	3.6	19.1
2 21	9 57.40	+ 8 12.9	1.774	2.760	1.8	19.0
3 2	9 49.38	+ 8 47.1	1.786	2.753	5.6	19.2
3 12	9 42.56	+ 9 18.6	1.825	2.747	9.5	19.4
3 22	9 37.64	+ 9 43.6	1.888	2.741	13.0	19.6

329830 2004 RX_{321} 2 17.4 146.°09 2.°7/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.40	+ 0 34.8	2.554	3.301	12.7	21.9
1 22	10 19.66	+ 0 46.6	2.467	3.312	10.1	21.7
2 1	10 13.22	+ 1 13.3	2.404	3.322	7.2	21.5
2 11	10 5.60	+ 1 52.9	2.367	3.332	4.3	21.4
2 21	9 57.46	+ 2 42.5	2.361	3.341	2.7	21.3
3 2	9 49.57	+ 3 37.5	2.386	3.350	4.7	21.4
3 12	9 42.67	+ 4 33.2	2.439	3.358	7.6	21.6
3 22	9 37.30	+ 5 25.3	2.520	3.365	10.4	21.8

49266 1998 UW_{5} 2 17.4 359.°37 2.°4/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.96	+14 9.7	1.396	2.229	17.0	19.1
1 22	10 20.01	+14 59.1	1.323	2.227	13.0	18.8
2 1	10 14.16	+16 2.3	1.271	2.226	8.3	18.5
2 11	10 6.14	+17 11.6	1.244	2.225	3.5	18.2
2 21	9 57.14	+18 17.5	1.242	2.225	3.7	18.3
3 2	9 48.58	+19 11.3	1.267	2.226	8.6	18.5
3 12	9 41.82	+19 46.8	1.316	2.228	13.2	18.8
3 22	9 37.75	+20 2.1	1.385	2.230	17.3	19.1

411356 2010 US_{83} 2 17.4 72.°27 6.°2/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.53	− 6 35.1	1.744	2.481	18.0	20.8
1 22	10 20.44	− 6 48.4	1.674	2.500	15.0	20.6
2 1	10 14.02	− 6 36.1	1.623	2.519	11.6	20.5
2 11	10 5.98	− 5 58.2	1.595	2.538	8.3	20.3
2 21	9 57.27	− 4 57.8	1.594	2.557	6.3	20.2
3 2	9 49.01	− 3 41.4	1.619	2.576	7.2	20.3
3 12	9 42.22	− 2 17.4	1.672	2.595	10.1	20.5
3 22	9 37.59	− 0 54.4	1.748	2.614	13.3	20.8

454318 2014 KR_{20} 2 17.4 230.°95 0.°1/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.35	+ 8 0.1	1.645	2.446	16.4	22.0
1 22	10 22.32	+ 8 46.3	1.553	2.438	12.7	21.7
2 1	10 15.57	+ 9 51.5	1.483	2.428	8.3	21.5
2 11	10 6.73	+11 10.8	1.438	2.419	3.4	21.1
2 21	9 56.79	+12 36.2	1.422	2.409	1.9	21.0
3 2	9 47.05	+13 58.7	1.434	2.398	7.1	21.3
3 12	9 38.80	+15 10.0	1.472	2.387	11.9	21.5
3 22	9 33.00	+16 5.0	1.533	2.375	16.0	21.8

205308 2000 SW_{368} 2 17.4 171.°90 0.°1/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.66	+ 8 45.3	1.998	2.786	14.3	21.4
1 22	10 22.70	+ 9 21.2	1.912	2.790	11.1	21.2
2 1	10 15.46	+10 10.9	1.850	2.793	7.2	21.0
2 11	10 6.57	+11 9.8	1.816	2.796	2.9	20.7
2 21	9 56.93	+12 12.1	1.811	2.797	1.6	20.6
3 2	9 47.59	+13 11.4	1.835	2.798	5.9	20.9
3 12	9 39.56	+14 2.1	1.888	2.799	9.9	21.2
3 22	9 33.59	+14 40.9	1.966	2.798	13.4	21.4

72060 Hohhot 2 17.4 17.°43 0.°4/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.99	+ 8 24.0	1.272	2.097	18.8	18.5
1 22	10 20.15	+ 8 48.8	1.203	2.101	14.6	18.2
2 1	10 14.29	+ 9 33.4	1.155	2.105	9.6	18.0
2 11	10 6.20	+10 32.4	1.130	2.111	3.9	17.7
2 21	9 57.14	+11 37.4	1.130	2.117	2.0	17.5
3 2	9 48.60	+12 39.2	1.156	2.124	7.6	17.9
3 12	9 41.99	+13 29.6	1.205	2.132	12.8	18.2
3 22	9 38.19	+14 3.9	1.275	2.141	17.2	18.5

73164 2002 GL_{154} 2 17.4 172.°93 2.°1/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.10	+14 5.5	1.883	2.691	14.3	19.9
1 22	10 22.46	+15 6.0	1.803	2.694	10.9	19.7
2 1	10 15.39	+16 17.7	1.746	2.696	6.9	19.5
2 11	10 6.57	+17 33.7	1.717	2.698	3.0	19.2
2 21	9 56.93	+18 46.4	1.718	2.699	3.2	19.3
3 2	9 47.62	+19 48.4	1.747	2.700	7.2	19.5
3 12	9 39.74	+20 34.8	1.803	2.700	11.2	19.7
3 22	9 34.05	+21 3.5	1.883	2.699	14.6	19.9

55142 2001 QD_{194} 2 17.4 334.°90 6.°5/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.10	− 1 24.6	1.603	2.369	18.2	17.5
1 22	10 22.89	− 2 30.9	1.513	2.362	15.2	17.3
2 1	10 15.94	− 3 19.2	1.443	2.355	11.6	17.1
2 11	10 6.88	− 3 47.0	1.396	2.349	8.2	16.8
2 21	9 56.73	− 3 54.0	1.375	2.343	6.5	16.7
3 2	9 46.81	− 3 42.7	1.381	2.338	8.2	16.8
3 12	9 38.42	− 3 18.8	1.411	2.334	11.7	17.0
3 22	9 32.51	− 2 49.0	1.464	2.329	15.4	17.2

158256 2001 TD_{109} 2 17.4 237.°09 2.°1/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.73	+ 5 17.8	1.749	2.532	16.3	20.6
1 22	10 24.01	+ 5 17.3	1.650	2.520	12.9	20.4
2 1	10 16.61	+ 5 33.2	1.572	2.508	8.9	20.1
2 11	10 7.15	+ 6 3.6	1.520	2.495	4.5	19.8
2 21	9 56.58	+ 6 44.3	1.496	2.482	2.4	19.6
3 2	9 46.16	+ 7 29.5	1.501	2.468	6.5	19.8
3 12	9 37.17	+ 8 12.8	1.532	2.453	11.1	20.1
3 22	9 30.53	+ 8 49.2	1.587	2.438	15.2	20.3

6551 1988 XP 2 17.4 91.°76 1.°1/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.04	+10 25.6	1.689	2.495	15.8	17.5
1 22	10 22.40	+11 29.8	1.628	2.517	12.0	17.3
2 1	10 15.29	+12 48.3	1.590	2.539	7.6	17.1
2 11	10 6.48	+14 14.2	1.579	2.560	2.9	16.8
2 21	9 57.03	+15 38.7	1.596	2.581	2.4	16.8
3 2	9 48.13	+16 53.6	1.643	2.602	6.9	17.2
3 12	9 40.86	+17 53.3	1.716	2.622	11.0	17.5
3 22	9 35.90	+18 35.0	1.812	2.642	14.5	17.7

371976 2008 GW_{38} 2 17.4 244.°93 2.°7/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.66	+ 1 46.1	2.077	2.844	14.5	21.7
1 22	10 19.69	+ 2 1.0	1.975	2.833	11.7	21.5
2 1	10 13.58	+ 2 33.8	1.895	2.822	8.3	21.2
2 11	10 5.87	+ 3 22.8	1.841	2.810	4.6	21.0
2 21	9 57.32	+ 4 24.2	1.815	2.798	2.7	20.8
3 2	9 48.90	+ 5 32.3	1.819	2.786	5.6	21.0
3 12	9 41.59	+ 6 40.3	1.851	2.773	9.4	21.2
3 22	9 36.14	+ 7 42.6	1.907	2.760	12.9	21.4

146350 2001 OC_{97} 2 17.4 220.°13 1.°5/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.11	+14 9.7	2.072	2.875	13.4	20.4
1 22	10 22.32	+14 44.9	1.980	2.868	10.2	20.1
2 1	10 15.25	+15 29.2	1.912	2.861	6.5	19.9
2 11	10 6.52	+16 17.5	1.872	2.853	2.7	19.6
2 21	9 56.97	+17 3.9	1.861	2.844	2.6	19.6
3 2	9 47.65	+17 43.0	1.880	2.835	6.5	19.8
3 12	9 39.60	+18 10.6	1.926	2.826	10.3	20.0
3 22	9 33.56	+18 24.7	1.995	2.816	13.7	20.2

144822 2004 JF_{12} 2 17.4 339°.72 4°.5/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.28	− 1 52.8	2.154	2.904	14.6	19.5
1 22	10 18.49	− 2 15.1	2.060	2.900	12.0	19.3
2 1	10 12.70	− 2 20.3	1.987	2.897	9.0	19.1
2 11	10 5.48	− 2 8.3	1.939	2.893	6.1	18.9
2 21	9 57.55	− 1 41.0	1.919	2.890	4.5	18.8
3 2	9 49.82	− 1 2.1	1.927	2.888	6.0	18.9
3 12	9 43.18	− 0 16.8	1.963	2.885	8.9	19.1
3 22	9 38.28	+ 0 29.4	2.023	2.883	12.0	19.3

385909 2006 SY_{402} 2 17.4 226°.24 0°.8/16.6 17

1 12	10 22.75	+12 46.1	2.748	3.541	10.7	21.9
1 22	10 18.44	+13 16.3	2.651	3.534	8.2	21.7
2 1	10 12.48	+13 54.0	2.579	3.526	5.2	21.5
2 11	10 5.34	+14 35.6	2.537	3.518	2.0	21.3
2 21	9 57.65	+15 17.2	2.524	3.509	1.7	21.2
3 2	9 50.12	+15 54.7	2.543	3.501	4.9	21.5
3 12	9 43.46	+16 24.9	2.590	3.492	7.9	21.6
3 22	9 38.23	+16 45.7	2.662	3.482	10.7	21.8

58090 3452 T-3 2 17.4 72°.69 2°.2/15.8 18

1 12	10 27.76	+15 13.3	1.645	2.462	15.6	19.9
1 22	10 23.06	+15 54.2	1.583	2.478	11.8	19.7
2 1	10 15.77	+16 44.2	1.543	2.494	7.5	19.5
2 11	10 6.69	+17 36.5	1.530	2.510	3.2	19.2
2 21	9 56.94	+18 23.6	1.544	2.526	3.3	19.3
3 2	9 47.78	+18 59.4	1.587	2.543	7.5	19.6
3 12	9 40.34	+19 20.2	1.655	2.559	11.5	19.8
3 22	9 35.33	+19 25.1	1.746	2.574	15.0	20.1

197340 2003 WG_{178} 2 17.4 186°.63 0°.5/17.9 17

1 12	10 23.75	+ 8 26.7	2.274	3.061	12.8	20.9
1 22	10 19.47	+ 8 50.9	2.185	3.061	9.9	20.7
2 1	10 13.26	+ 9 26.8	2.119	3.061	6.5	20.5
2 11	10 5.68	+10 11.2	2.081	3.060	2.7	20.2
2 21	9 57.47	+10 59.4	2.072	3.060	1.3	20.1
3 2	9 49.49	+11 46.5	2.094	3.059	5.2	20.4
3 12	9 42.59	+12 27.9	2.144	3.057	8.7	20.6
3 22	9 37.41	+13 0.5	2.218	3.056	11.9	20.8

362664 2011 UY_{9} 2 17.4 24°.71 3°.8/14.9 18

1 12	10 26.91	+17 58.3	1.377	2.211	17.1	21.0
1 22	10 23.08	+18 49.5	1.310	2.215	13.1	20.8
2 1	10 16.14	+19 49.8	1.265	2.218	8.5	20.5
2 11	10 6.94	+20 49.9	1.244	2.222	4.4	20.3
2 21	9 56.78	+21 40.5	1.249	2.227	5.1	20.3
3 2	9 47.20	+22 13.8	1.280	2.232	9.4	20.6
3 12	9 39.62	+22 26.1	1.335	2.237	13.9	20.9
3 22	9 34.93	+22 17.4	1.411	2.243	17.7	21.1

506252 2016 PE_{24} 2 17.4 246°.73 2°.3/14.4 17

1 12	10 21.92	+17 18.8	2.868	3.671	10.0	21.9
1 22	10 17.86	+18 23.4	2.766	3.656	7.6	21.7
2 1	10 12.16	+19 34.4	2.691	3.640	4.9	21.5
2 11	10 5.24	+20 46.9	2.646	3.623	2.6	21.3
2 21	9 57.71	+21 55.7	2.632	3.606	3.2	21.3
3 2	9 50.25	+22 55.9	2.649	3.589	5.8	21.5
3 12	9 43.61	+23 43.9	2.694	3.571	8.6	21.6
3 22	9 38.34	+24 17.9	2.764	3.553	11.1	21.8

283744 2003 AR_{41} 2 17.4 7°.80 0°.8/16.6 18

1 12	10 18.30	+ 8 14.0	1.822	2.632	14.6	19.1
1 22	10 15.79	+ 9 38.3	1.742	2.633	11.2	18.9
2 1	10 11.12	+11 21.1	1.685	2.635	7.1	18.7
2 11	10 4.88	+13 15.7	1.656	2.638	2.7	18.4
2 21	9 57.91	+15 12.9	1.656	2.642	2.2	18.4
3 2	9 51.22	+17 3.1	1.685	2.646	6.6	18.6
3 12	9 45.77	+18 38.2	1.741	2.651	10.7	18.9
3 22	9 42.29	+19 53.4	1.820	2.657	14.1	19.1

342912 2008 YZ_{151} 2 17.4 136°.72 0°.9/16.4 17

1 12	10 22.13	+11 51.8	2.459	3.256	11.7	20.7
1 22	10 18.09	+12 43.7	2.377	3.262	8.9	20.5
2 1	10 12.30	+13 45.2	2.320	3.267	5.6	20.4
2 11	10 5.28	+14 51.8	2.291	3.272	2.2	20.1
2 21	9 57.71	+15 57.9	2.293	3.278	1.9	20.1
3 2	9 50.39	+16 58.4	2.325	3.282	5.3	20.4
3 12	9 44.07	+17 49.0	2.386	3.287	8.6	20.6
3 22	9 39.32	+18 27.2	2.472	3.292	11.4	20.8

402049 2003 SD_{301} 2 17.4 180°.29 2°.2/19.0 18

1 12	10 28.38	+ 4 52.7	1.917	2.693	15.3	21.5
1 22	10 23.34	+ 4 51.5	1.828	2.694	12.1	21.3
2 1	10 15.94	+ 5 5.5	1.762	2.695	8.3	21.1
2 11	10 6.81	+ 5 32.4	1.722	2.695	4.3	20.8
2 21	9 56.86	+ 6 8.5	1.710	2.695	2.4	20.7
3 2	9 47.20	+ 6 48.7	1.728	2.694	5.9	20.9
3 12	9 38.90	+ 7 27.3	1.773	2.693	9.9	21.1
3 22	9 32.73	+ 8 0.2	1.843	2.691	13.5	21.4

124326 2001 QU_{97} 2 17.4 178°.50 1°.5/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 29.00	+ 5 26.4	2.015	2.788	14.7	20.8
1 22	10 23.72	+ 5 44.4	1.925	2.791	11.6	20.6
2 1	10 16.14	+ 6 17.7	1.858	2.793	7.8	20.3
2 11	10 6.88	+ 7 3.3	1.818	2.794	3.7	20.1
2 21	9 56.83	+ 7 56.5	1.808	2.794	1.8	19.9
3 2	9 47.05	+ 8 51.5	1.827	2.793	5.7	20.2
3 12	9 38.59	+ 9 42.4	1.876	2.791	9.7	20.4
3 22	9 32.18	+10 25.0	1.948	2.788	13.2	20.6

148959 2001 XU_{222} 2 17.4 97°.47 1°.1/16.6 18

1 12	10 27.29	+13 10.4	1.879	2.685	14.4	21.0
1 22	10 22.45	+13 37.8	1.807	2.696	11.0	20.8
2 1	10 15.29	+14 14.8	1.758	2.707	7.0	20.6
2 11	10 6.51	+14 56.1	1.736	2.718	2.7	20.4
2 21	9 57.07	+15 36.0	1.743	2.728	2.3	20.3
3 2	9 48.09	+16 9.1	1.779	2.739	6.4	20.6
3 12	9 40.57	+16 31.4	1.842	2.750	10.3	20.9
3 22	9 35.22	+16 41.4	1.929	2.760	13.7	21.1

64147 2001 TM_{40} 2 17.4 83°.52 7°.5/11.4 18

1 12	10 31.03	+30 27.5	1.829	2.649	14.1	18.4
1 22	10 25.55	+31 44.6	1.779	2.666	11.2	18.3
2 1	10 17.35	+32 56.4	1.753	2.682	8.7	18.2
2 11	10 7.32	+33 53.4	1.754	2.699	7.5	18.1
2 21	9 56.65	+34 28.0	1.781	2.715	8.5	18.2
3 2	9 46.69	+34 36.5	1.835	2.731	10.9	18.4
3 12	9 38.60	+34 19.4	1.912	2.747	13.5	18.6
3 22	9 33.10	+33 40.6	2.010	2.762	15.9	18.8

19310 Osawa 2 17.4 56°.40 2°.7/15.8 18

1 12	10 28.85	+15 51.9	1.367	2.195	17.6	18.6
1 22	10 24.35	+16 30.8	1.310	2.211	13.3	18.4
2 1	10 16.81	+17 19.5	1.274	2.227	8.5	18.1
2 11	10 7.16	+18 9.9	1.263	2.244	3.7	17.9
2 21	9 56.75	+18 53.5	1.279	2.261	3.9	18.0
3 2	9 47.10	+19 23.3	1.321	2.278	8.5	18.3
3 12	9 39.52	+19 35.8	1.388	2.295	13.0	18.6
3 22	9 34.79	+19 30.7	1.475	2.313	16.8	18.9

108410 2001 KG_{32} 2 17.4 136°.17 4°.1/14.2 18

1 12	10 33.35	+20 27.5	1.868	2.677	14.4	20.7
1 22	10 27.13	+21 31.7	1.804	2.695	10.9	20.5
2 1	10 18.32	+22 40.0	1.765	2.711	7.2	20.3
2 11	10 7.72	+23 44.1	1.754	2.726	4.4	20.2
2 21	9 56.43	+24 36.3	1.772	2.741	5.1	20.3
3 2	9 45.72	+25 10.8	1.819	2.754	8.4	20.5
3 12	9 36.73	+25 25.6	1.892	2.766	11.9	20.7
3 22	9 30.19	+25 21.7	1.988	2.778	14.9	20.9

130495 2000 QX_{126} 2 17.4 79°.98 3°.7/14.9 18

1 12	10 28.75	+18 1.6	1.485	2.312	16.5	19.6
1 22	10 24.23	+18 56.2	1.421	2.321	12.5	19.3
2 1	10 16.76	+19 59.0	1.378	2.330	8.1	19.1
2 11	10 7.18	+21 1.0	1.361	2.339	4.2	18.9
2 21	9 56.75	+21 53.4	1.371	2.348	4.9	19.0
3 2	9 46.92	+22 28.8	1.408	2.357	9.0	19.2
3 12	9 39.02	+22 43.8	1.470	2.366	13.2	19.5
3 22	9 33.87	+22 38.9	1.552	2.375	16.8	19.7

378821 2008 SY_{259} 2 17.4 113°.43 0°.1/17.3 17

1 12	10 25.88	+11 8.7	2.160	2.955	13.2	21.0
1 22	10 21.13	+11 23.5	2.080	2.962	10.1	20.8
2 1	10 14.35	+11 47.8	2.023	2.968	6.5	20.6
2 11	10 6.14	+12 17.7	1.994	2.975	2.6	20.3
2 21	9 57.33	+12 49.1	1.994	2.981	1.5	20.3
3 2	9 48.85	+13 17.3	2.024	2.987	5.5	20.6
3 12	9 41.60	+13 38.8	2.082	2.993	9.1	20.8
3 22	9 36.21	+13 51.3	2.164	2.999	12.3	21.0

16563 Ob 2 17.4 38°.21 0°.4/16.9 18

1 12	10 20.61	+ 9 12.0	2.088	2.889	13.3	17.3
1 22	10 17.24	+10 10.1	2.009	2.895	10.2	17.1
2 1	10 11.91	+11 21.8	1.954	2.902	6.5	16.9
2 11	10 5.19	+12 42.2	1.927	2.908	2.5	16.6
2 21	9 57.85	+14 4.5	1.929	2.915	1.7	16.6
3 2	9 50.79	+15 21.9	1.960	2.922	5.7	16.8
3 12	9 44.88	+16 28.6	2.019	2.929	9.4	17.1
3 22	9 40.74	+17 21.0	2.102	2.936	12.6	17.3

159556 2001 SG_{350} 2 17.4 232°.60 4°.7/20.9 18

1 12	10 26.69	− 1 28.6	1.732	2.491	17.3	21.0
1 22	10 22.47	− 1 40.0	1.634	2.482	14.2	20.7
2 1	10 15.64	− 1 29.6	1.556	2.473	10.6	20.5
2 11	10 6.81	− 0 57.2	1.503	2.463	6.8	20.3
2 21	9 56.90	− 0 5.6	1.476	2.452	4.7	20.1
3 2	9 47.15	+ 0 59.6	1.477	2.441	6.9	20.2
3 12	9 38.78	+ 2 10.3	1.505	2.430	10.9	20.4
3 22	9 32.70	+ 3 18.8	1.557	2.418	14.8	20.6

231357 2006 GL_{28} 2 17.4 81°.20 1°.6/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 24.72	+14 16.4	2.054	2.862	13.3	20.9
1 22	10 20.36	+14 54.6	1.980	2.871	10.1	20.7
2 1	10 13.90	+15 41.3	1.931	2.880	6.4	20.5
2 11	10 5.97	+16 31.1	1.908	2.889	2.6	20.3
2 21	9 57.43	+17 18.3	1.915	2.898	2.6	20.3
3 2	9 49.27	+17 57.5	1.951	2.907	6.3	20.6
3 12	9 42.40	+18 25.1	2.014	2.916	9.9	20.8
3 22	9 37.46	+18 39.5	2.101	2.925	13.0	21.0

135208 2001 RF_{68} 2 17.4 83°.97 1°.9/19.3 18

1 12	10 24.02	+ 4 24.3	2.359	3.128	12.9	19.4
1 22	10 19.47	+ 4 28.4	2.283	3.145	10.2	19.2
2 1	10 13.15	+ 4 45.2	2.231	3.162	7.0	19.1
2 11	10 5.63	+ 5 12.6	2.207	3.179	3.6	18.9
2 21	9 57.63	+ 5 47.2	2.211	3.196	2.0	18.8
3 2	9 49.97	+ 6 24.8	2.246	3.212	4.7	19.0
3 12	9 43.39	+ 7 1.2	2.309	3.228	7.9	19.2
3 22	9 38.45	+ 7 33.0	2.398	3.245	10.8	19.4

58438 1996 GR_{15} 2 17.4 303°.68 0°.4/17.2 18

1 12	10 24.96	+10 30.0	1.372	2.194	17.9	19.8
1 22	10 21.83	+10 54.6	1.281	2.178	13.9	19.5
2 1	10 15.60	+11 36.6	1.211	2.162	9.1	19.2
2 11	10 6.89	+12 31.2	1.165	2.147	3.6	18.8
2 21	9 56.84	+13 30.4	1.145	2.131	2.3	18.7
3 2	9 46.99	+14 25.5	1.150	2.116	8.1	19.0
3 12	9 38.90	+15 8.4	1.180	2.102	13.5	19.3
3 22	9 33.65	+15 34.9	1.230	2.088	18.2	19.5

498229 2007 UX_{21} 2 17.4 243°.32 0°.0/17.4 17

1 12	10 22.72	+ 9 54.2	2.304	3.098	12.5	21.8
1 22	10 18.70	+10 21.6	2.215	3.096	9.6	21.6
2 1	10 12.79	+10 59.8	2.149	3.094	6.2	21.4
2 11	10 5.54	+11 45.0	2.111	3.091	2.5	21.1
2 21	9 57.66	+12 32.8	2.102	3.089	1.4	21.1
3 2	9 50.00	+13 18.2	2.123	3.087	5.2	21.3
3 12	9 43.40	+13 56.9	2.173	3.084	8.7	21.5
3 22	9 38.47	+14 25.9	2.247	3.082	11.8	21.7

46725 1997 SS_{13} 2 17.4 86°.13 1°.9/15.9 18

1 12	10 27.25	+16 51.1	2.169	2.975	12.7	18.6
1 22	10 22.15	+17 11.8	2.095	2.984	9.7	18.4
2 1	10 14.97	+17 37.5	2.046	2.994	6.2	18.2
2 11	10 6.38	+18 3.5	2.024	3.004	2.7	18.0
2 21	9 57.23	+18 25.1	2.032	3.013	2.8	18.0
3 2	9 48.50	+18 38.5	2.070	3.023	6.2	18.3
3 12	9 41.07	+18 41.2	2.135	3.033	9.6	18.5
3 22	9 35.58	+18 32.7	2.224	3.042	12.5	18.7

402092 2003 UG_{268} 2 17.4 118°.03 1°.8/16.0 18

1 12	10 29.48	+14 19.5	1.891	2.695	14.4	21.7
1 22	10 24.09	+15 3.0	1.824	2.712	10.9	21.6
2 1	10 16.33	+15 55.5	1.781	2.729	6.9	21.3
2 11	10 6.94	+16 50.6	1.765	2.746	2.9	21.1
2 21	9 56.93	+17 41.9	1.779	2.761	2.8	21.2
3 2	9 47.43	+18 23.5	1.822	2.777	6.8	21.4
3 12	9 39.46	+18 51.6	1.892	2.791	10.6	21.7
3 22	9 33.70	+19 5.1	1.986	2.805	13.8	21.9

45969 2001 BC_{26} 2 17.4 263°.99 0°.1/17.4 18

1 12	10 24.46	+ 8 33.5	1.726	2.529	15.6	19.4
1 22	10 20.80	+ 9 17.1	1.631	2.517	12.1	19.1
2 1	10 14.58	+10 18.3	1.557	2.504	7.9	18.8
2 11	10 6.39	+11 32.4	1.510	2.491	3.2	18.5
2 21	9 57.16	+12 52.1	1.490	2.477	1.8	18.4
3 2	9 48.09	+14 9.1	1.499	2.464	6.8	18.6
3 12	9 40.39	+15 15.8	1.535	2.450	11.5	18.9
3 22	9 34.96	+16 7.1	1.593	2.436	15.5	19.1

73587 1020 T-$_2$ 2 17.4 151°.95 2°.0/19.2 18

1 12	10 26.11	+ 3 22.8	1.911	2.685	15.4	20.3
1 22	10 21.59	+ 3 47.1	1.827	2.692	12.1	20.1
2 1	10 14.81	+ 4 29.5	1.766	2.698	8.3	19.9
2 11	10 6.38	+ 5 27.0	1.731	2.704	4.3	19.6
2 21	9 57.21	+ 6 34.3	1.724	2.710	2.2	19.5
3 2	9 48.36	+ 7 44.7	1.747	2.714	5.7	19.7
3 12	9 40.84	+ 8 51.4	1.798	2.719	9.7	20.0
3 22	9 35.38	+ 9 49.1	1.874	2.722	13.3	20.2

82868 2001 QT_{63} 2 17.4 181°.26 0°.9/16.6 18

1 12	10 24.79	+13 36.9	2.566	3.360	11.3	20.0
1 22	10 20.06	+13 59.3	2.478	3.361	8.6	19.8
2 1	10 13.56	+14 28.4	2.415	3.361	5.5	19.6
2 11	10 5.83	+15 0.5	2.380	3.361	2.2	19.4
2 21	9 57.54	+15 31.8	2.376	3.361	1.8	19.3
3 2	9 49.50	+15 58.3	2.402	3.360	5.1	19.6
3 12	9 42.46	+16 17.2	2.457	3.359	8.3	19.8
3 22	9 37.01	+16 26.7	2.537	3.358	11.1	19.9

465989 2011 DD_{27} 2 17.5 178°.01 0°.0/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.94	+ 8 52.6	2.191	2.981	13.1	21.9
1 22	10 19.72	+ 9 32.8	2.103	2.983	10.1	21.7
2 1	10 13.51	+10 25.7	2.039	2.983	6.6	21.5
2 11	10 5.86	+11 27.3	2.003	2.984	2.6	21.3
2 21	9 57.54	+12 32.0	1.997	2.984	1.5	21.2
3 2	9 49.46	+13 33.9	2.021	2.984	5.5	21.4
3 12	9 42.50	+14 27.8	2.072	2.983	9.2	21.7
3 22	9 37.33	+15 10.2	2.149	2.982	12.4	21.9

186116 2001 TV_{126} 2 17.5 287°.27 2°.5/15.6 18

1 12	10 26.22	+16 19.4	1.770	2.588	14.6	20.3
1 22	10 22.08	+16 57.3	1.681	2.578	11.2	20.1
2 1	10 15.36	+17 44.0	1.616	2.567	7.2	19.8
2 11	10 6.69	+18 33.4	1.576	2.556	3.3	19.6
2 21	9 57.06	+19 18.2	1.564	2.545	3.6	19.5
3 2	9 47.69	+19 52.2	1.581	2.534	7.7	19.8
3 12	9 39.80	+20 11.1	1.623	2.524	11.9	20.0
3 22	9 34.24	+20 13.5	1.687	2.513	15.5	20.2

232854 2004 TZ_{180} 2 17.5 270°.43 0°.6/17.9 18

1 12	10 25.94	+ 7 41.5	1.567	2.371	16.9	21.2
1 22	10 22.24	+ 8 7.2	1.470	2.355	13.3	21.0
2 1	10 15.70	+ 8 51.7	1.394	2.339	8.8	20.7
2 11	10 6.91	+ 9 51.0	1.343	2.323	3.8	20.3
2 21	9 56.90	+10 58.6	1.318	2.306	1.8	20.1
3 2	9 47.00	+12 6.0	1.322	2.289	7.2	20.4
3 12	9 38.62	+13 5.3	1.351	2.272	12.2	20.7
3 22	9 32.78	+13 50.8	1.402	2.254	16.7	20.9

37643 1994 AX_{6} 2 17.5 240°.61 0°.0/17.4 18

1 12	10 27.47	+ 9 35.5	1.943	2.736	14.5	19.7
1 22	10 22.86	+10 3.9	1.841	2.722	11.3	19.5
2 1	10 15.80	+10 46.1	1.762	2.706	7.4	19.2
2 11	10 6.87	+11 38.0	1.710	2.690	3.0	18.9
2 21	9 56.94	+12 33.9	1.687	2.674	1.7	18.8
3 2	9 47.13	+13 27.4	1.693	2.657	6.3	19.1
3 12	9 38.58	+14 12.8	1.727	2.639	10.6	19.3
3 22	9 32.15	+14 46.2	1.785	2.620	14.4	19.5

55808 1994 RN 2 17.5 254°.82 1°.4/18.9 18

1 12	10 20.73	+ 4 32.6	2.448	3.223	12.4	19.7
1 22	10 17.10	+ 5 2.7	2.353	3.219	9.7	19.5
2 1	10 11.74	+ 5 46.8	2.281	3.216	6.6	19.3
2 11	10 5.14	+ 6 42.2	2.237	3.212	3.2	19.1
2 21	9 57.94	+ 7 44.9	2.223	3.209	1.6	19.0
3 2	9 50.92	+ 8 49.7	2.239	3.205	4.7	19.2
3 12	9 44.84	+ 9 51.3	2.283	3.202	8.0	19.4
3 22	9 40.26	+10 45.5	2.353	3.198	11.0	19.6

35460 1998 DU_{20} 2 17.5 114°.65 0°.5/17.8 18

1 12	10 29.41	+ 7 45.1	1.807	2.595	15.6	19.2
1 22	10 24.08	+ 8 20.5	1.739	2.616	12.0	19.0
2 1	10 16.35	+ 9 10.9	1.695	2.637	7.8	18.8
2 11	10 6.98	+10 11.3	1.677	2.656	3.3	18.6
2 21	9 56.98	+11 15.2	1.688	2.675	1.6	18.5
3 2	9 47.48	+12 15.8	1.729	2.693	6.1	18.8
3 12	9 39.55	+13 7.3	1.797	2.711	10.2	19.1
3 22	9 33.86	+13 46.4	1.890	2.727	13.7	19.3

432044 2008 WT_{114} 2 17.5 30°.19 3°.0/15.1 15

1 12	10 23.98	+17 34.4	1.730	2.555	14.6	21.1
1 22	10 20.18	+18 20.6	1.666	2.566	11.0	20.9
2 1	10 13.95	+19 13.6	1.625	2.577	7.1	20.7
2 11	10 6.05	+20 6.6	1.610	2.588	3.5	20.5
2 21	9 57.49	+20 52.3	1.623	2.601	4.1	20.6
3 2	9 49.42	+21 24.9	1.663	2.613	7.7	20.8
3 12	9 42.91	+21 41.3	1.728	2.626	11.5	21.1
3 22	9 38.63	+21 40.9	1.816	2.640	14.7	21.3

248853 2006 TO_{72} 2 17.5 132°.56 1°.5/15.7 17

1 12	10 22.58	+14 57.0	2.715	3.515	10.6	21.5
1 22	10 18.28	+15 43.7	2.636	3.523	8.0	21.3
2 1	10 12.38	+16 36.7	2.584	3.532	5.1	21.1
2 11	10 5.36	+17 31.7	2.560	3.540	2.2	20.9
2 21	9 57.87	+18 23.9	2.567	3.548	2.3	21.0
3 2	9 50.62	+19 9.2	2.604	3.556	5.2	21.2
3 12	9 44.32	+19 44.4	2.670	3.563	8.1	21.4
3 22	9 39.46	+20 8.0	2.761	3.570	10.6	21.5

449561 2014 JJ 2 17.5 271°.41 3°.5/15.1 18

1 12	10 27.70	+16 16.2	1.366	2.197	17.5	21.4
1 22	10 23.90	+17 15.8	1.289	2.192	13.4	21.1
2 1	10 16.88	+18 28.2	1.234	2.188	8.6	20.8
2 11	10 7.39	+19 44.4	1.203	2.183	4.2	20.6
2 21	9 56.71	+20 53.5	1.199	2.178	4.9	20.6
3 2	9 46.43	+21 46.1	1.220	2.173	9.6	20.8
3 12	9 38.12	+22 16.4	1.265	2.168	14.4	21.1
3 22	9 32.79	+22 23.6	1.331	2.163	18.6	21.3

16050 1999 JN_{35} 2 17.5 18°.18 0°.7/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.08	+11 29.3	1.880	2.691	14.2	17.5
1 22	10 18.58	+12 1.7	1.804	2.695	10.9	17.3
2 1	10 12.88	+12 45.8	1.751	2.700	6.9	17.1
2 11	10 5.64	+13 36.5	1.724	2.705	2.7	16.8
2 21	9 57.72	+14 28.1	1.725	2.711	2.0	16.8
3 2	9 50.16	+15 14.4	1.754	2.717	6.2	17.1
3 12	9 43.91	+15 50.6	1.810	2.724	10.1	17.3
3 22	9 39.66	+16 14.0	1.890	2.731	13.5	17.5

352170 2007 RZ_{66} 2 17.5 335°.11 0°.3/17.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.55	+11 59.9	1.165	2.002	19.4	20.0
1 22	10 21.96	+11 56.2	1.083	1.988	15.1	19.7
2 1	10 15.90	+12 6.9	1.020	1.974	9.9	19.4
2 11	10 7.10	+12 27.6	0.979	1.961	4.0	19.0
2 21	9 56.87	+12 51.6	0.963	1.950	2.4	18.8
3 2	9 46.97	+13 11.4	0.970	1.939	8.6	19.2
3 12	9 39.16	+13 20.7	1.000	1.930	14.4	19.4
3 22	9 34.58	+13 16.3	1.049	1.923	19.4	19.7

361163 2006 KB_{9} 2 17.5 265°.95 3°.2/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.05	+ 2 29.2	1.716	2.495	16.7	21.5
1 22	10 22.09	+ 2 25.5	1.614	2.479	13.5	21.3
2 1	10 15.49	+ 2 41.0	1.532	2.462	9.6	21.0
2 11	10 6.82	+ 3 14.7	1.476	2.446	5.4	20.7
2 21	9 57.02	+ 4 3.1	1.446	2.429	3.3	20.6
3 2	9 47.31	+ 5 0.2	1.444	2.412	6.6	20.7
3 12	9 38.95	+ 5 58.7	1.469	2.394	11.1	20.9
3 22	9 32.90	+ 6 51.8	1.517	2.376	15.2	21.1

414774 2010 PO_{24} 2 17.5 142°.02 1°.5/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.33	+ 5 1.3	2.210	2.979	13.7	22.9
1 22	10 22.17	+ 5 24.2	2.129	2.992	10.7	22.7
2 1	10 15.01	+ 6 1.3	2.072	3.005	7.2	22.5
2 11	10 6.46	+ 6 49.5	2.042	3.017	3.5	22.3
2 21	9 57.30	+ 7 44.4	2.042	3.028	1.7	22.2
3 2	9 48.48	+ 8 40.4	2.073	3.039	5.1	22.4
3 12	9 40.86	+ 9 32.4	2.133	3.049	8.7	22.7
3 22	9 35.07	+10 16.6	2.218	3.057	11.8	22.9

156984 2003 KB_{10} 2 17.5 170°.89 1°.4/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.99	+ 4 22.4	2.564	3.328	12.2	21.4
1 22	10 19.45	+ 4 52.6	2.472	3.332	9.5	21.2
2 1	10 13.20	+ 5 36.3	2.404	3.336	6.5	21.0
2 11	10 5.73	+ 6 30.6	2.364	3.338	3.2	20.8
2 21	9 57.69	+ 7 31.5	2.355	3.340	1.6	20.7
3 2	9 49.86	+ 8 34.2	2.376	3.342	4.5	20.9
3 12	9 42.98	+ 9 33.6	2.428	3.343	7.8	21.1
3 22	9 37.61	+10 26.0	2.505	3.343	10.7	21.3

259785 2004 BR_{43} 2 17.5 310°.34 1°.1/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.87	+13 48.2	1.581	2.397	16.2	20.4
1 22	10 23.61	+13 56.5	1.493	2.387	12.5	20.1
2 1	10 16.48	+14 14.8	1.427	2.377	8.1	19.8
2 11	10 7.20	+14 38.2	1.386	2.368	3.2	19.5
2 21	9 56.85	+15 0.8	1.372	2.358	2.5	19.4
3 2	9 46.82	+15 16.8	1.386	2.349	7.5	19.7
3 12	9 38.45	+15 22.1	1.425	2.340	12.2	19.9
3 22	9 32.68	+15 14.9	1.486	2.332	16.3	20.2

428449 2007 TH_{388} 2 17.5 194°.34 0°.8/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.72	+12 16.9	2.448	3.244	11.8	22.0
1 22	10 19.37	+12 50.2	2.359	3.243	9.0	21.8
2 1	10 13.21	+13 32.3	2.295	3.241	5.7	21.6
2 11	10 5.75	+14 19.1	2.258	3.239	2.2	21.4
2 21	9 57.69	+15 5.9	2.252	3.237	1.8	21.3
3 2	9 49.85	+15 48.2	2.276	3.235	5.3	21.6
3 12	9 43.03	+16 22.2	2.328	3.233	8.6	21.8
3 22	9 37.82	+16 45.6	2.406	3.230	11.5	22.0

384262 2009 FP_{25} 2 17.5 27°.56 3°.1/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.45	+17 6.2	2.231	3.047	12.1	20.8
1 22	10 17.90	+18 31.0	2.152	3.048	9.1	20.6
2 1	10 12.39	+20 4.0	2.099	3.049	5.9	20.4
2 11	10 5.46	+21 38.2	2.075	3.051	3.3	20.2
2 21	9 57.86	+23 6.1	2.080	3.052	4.1	20.3
3 2	9 50.50	+24 21.0	2.115	3.054	7.2	20.5
3 12	9 44.24	+25 18.7	2.177	3.055	10.3	20.7
3 22	9 39.74	+25 57.5	2.262	3.057	13.1	20.9

411233 2010 PH_{62} 2 17.5 219°.25 1°.8/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.68	+14 44.2	2.068	2.869	13.4	22.3
1 22	10 23.61	+15 23.2	1.973	2.860	10.3	22.1
2 1	10 16.20	+16 11.2	1.902	2.850	6.6	21.9
2 11	10 7.03	+17 2.8	1.860	2.840	2.8	21.6
2 21	9 56.99	+17 51.9	1.847	2.829	2.8	21.6
3 2	9 47.15	+18 32.7	1.863	2.817	6.7	21.8
3 12	9 38.59	+19 0.9	1.907	2.805	10.6	22.0
3 22	9 32.10	+19 14.9	1.975	2.792	14.0	22.2

109948 2001 SN_{45} 2 17.5 155°.68 0°.9/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 21.50	+ 5 33.3	2.558	3.333	11.9	20.3
1 22	10 17.59	+ 6 11.7	2.469	3.337	9.3	20.1
2 1	10 12.02	+ 7 3.2	2.403	3.340	6.2	19.9
2 11	10 5.28	+ 8 4.6	2.366	3.343	2.8	19.7
2 21	9 58.00	+ 9 11.4	2.359	3.346	1.3	19.6
3 2	9 50.93	+10 18.6	2.383	3.349	4.5	19.8
3 12	9 44.78	+11 21.1	2.436	3.351	7.8	20.0
3 22	9 40.09	+12 15.3	2.515	3.354	10.6	20.2

343412 2010 CC_{181} 2 17.5 334°.55 2°.9/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.72	− 0 47.8	1.838	2.611	15.9	20.9
1 22	10 16.20	− 0 3.4	1.742	2.602	12.9	20.6
2 1	10 11.51	+ 1 5.9	1.667	2.594	9.2	20.4
2 11	10 5.18	+ 2 37.7	1.617	2.586	5.2	20.1
2 21	9 58.03	+ 4 26.0	1.595	2.578	2.9	20.0
3 2	9 51.04	+ 6 22.1	1.602	2.571	5.8	20.1
3 12	9 45.25	+ 8 16.1	1.636	2.565	9.9	20.4
3 22	9 41.39	+ 9 59.5	1.695	2.559	13.7	20.6

164311 2005 AC_{21} 2 17.5 132°.40 1°.4/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.67	+ 6 12.7	1.963	2.739	14.9	20.9
1 22	10 24.17	+ 6 23.4	1.886	2.754	11.7	20.7
2 1	10 16.41	+ 6 48.2	1.833	2.769	7.8	20.5
2 11	10 7.06	+ 7 24.1	1.806	2.782	3.7	20.3
2 21	9 57.06	+ 8 6.4	1.809	2.795	1.8	20.1
3 2	9 47.47	+ 8 49.7	1.842	2.807	5.6	20.4
3 12	9 39.31	+ 9 28.9	1.902	2.819	9.5	20.7
3 22	9 33.25	+10 0.4	1.988	2.830	12.9	20.9

14668 1999 CB_{67} 2 17.5 159°.70 4°.9/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.43	− 4 59.5	2.418	3.135	14.0	17.7
1 22	10 21.41	− 5 16.7	2.326	3.142	11.7	17.5
2 1	10 14.52	− 5 16.3	2.257	3.149	9.0	17.4
2 11	10 6.30	− 4 58.2	2.213	3.155	6.4	17.2
2 21	9 57.46	− 4 24.0	2.198	3.160	4.9	17.1
3 2	9 48.84	− 3 37.3	2.212	3.165	5.9	17.2
3 12	9 41.27	− 2 43.3	2.255	3.169	8.4	17.3
3 22	9 35.36	− 1 47.5	2.324	3.172	11.0	17.5

337435 2001 RY_{37} 2 17.5 151°.65 1°.0/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.18	+ 7 41.2	2.654	3.427	11.6	21.3
1 22	10 20.27	+ 7 45.0	2.566	3.433	9.0	21.1
2 1	10 13.68	+ 7 58.1	2.502	3.439	6.0	20.9
2 11	10 5.93	+ 8 18.3	2.467	3.444	2.8	20.7
2 21	9 57.68	+ 8 42.7	2.463	3.449	1.3	20.6
3 2	9 49.67	+ 9 7.8	2.489	3.454	4.4	20.9
3 12	9 42.63	+ 9 30.5	2.544	3.458	7.5	21.1
3 22	9 37.09	+ 9 48.1	2.626	3.462	10.3	21.3

226774 2004 RR_{125} 2 17.5 192°.30 0°.1/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.45	+10 21.5	2.062	2.856	13.7	21.4
1 22	10 21.78	+10 35.3	1.974	2.855	10.6	21.2
2 1	10 14.92	+10 59.8	1.910	2.854	6.9	21.0
2 11	10 6.50	+11 31.3	1.873	2.853	2.8	20.7
2 21	9 57.36	+12 5.4	1.865	2.852	1.5	20.6
3 2	9 48.49	+12 37.1	1.887	2.851	5.7	20.9
3 12	9 40.89	+13 2.3	1.936	2.849	9.6	21.1
3 22	9 35.24	+13 18.3	2.010	2.848	12.9	21.3

138402 2000 HN_{14} 2 17.5 68°.78 2°.4/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.43	+ 9 52.8	0.898	1.744	23.2	18.5
1 22	10 25.22	+11 24.2	0.853	1.763	17.6	18.2
2 1	10 17.99	+13 22.0	0.825	1.782	11.1	17.9
2 11	10 7.86	+15 32.4	0.819	1.802	4.4	17.6
2 21	9 56.67	+17 37.2	0.837	1.821	4.3	17.7
3 2	9 46.51	+19 20.2	0.878	1.841	10.6	18.1
3 12	9 39.19	+20 31.9	0.941	1.860	16.4	18.5
3 22	9 35.62	+21 11.2	1.021	1.880	21.0	18.8

114762 2003 HE_{54} 2 17.5 248°.08 2°.1/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.42	+15 54.6	2.205	3.009	12.6	21.0
1 22	10 21.80	+16 34.7	2.105	2.994	9.6	20.7
2 1	10 15.00	+17 22.6	2.031	2.979	6.2	20.5
2 11	10 6.57	+18 13.1	1.984	2.963	2.8	20.2
2 21	9 57.30	+19 0.5	1.967	2.947	3.0	20.2
3 2	9 48.18	+19 39.2	1.979	2.931	6.6	20.4
3 12	9 40.21	+20 5.5	2.019	2.914	10.2	20.6
3 22	9 34.13	+20 17.5	2.083	2.896	13.5	20.8

251730 1998 HG_{12} 2 17.5 217°.35 0°.4/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.81	+ 8 46.4	2.077	2.863	13.9	21.9
1 22	10 22.91	+ 9 7.4	1.979	2.855	10.8	21.6
2 1	10 15.74	+ 9 40.9	1.904	2.846	7.1	21.4
2 11	10 6.87	+10 23.7	1.857	2.836	3.0	21.1
2 21	9 57.15	+11 10.9	1.839	2.826	1.5	21.0
3 2	9 47.61	+11 56.9	1.851	2.815	5.8	21.2
3 12	9 39.27	+12 36.6	1.891	2.804	9.8	21.5
3 22	9 32.92	+13 6.6	1.956	2.792	13.3	21.7

273138 2006 *HR* 2 17.5 1.°17 0.°8/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.65	+11 37.5	2.036	2.840	13.5	21.1
1 22	10 19.68	+12 13.9	1.952	2.840	10.4	20.9
2 1	10 13.60	+13 1.5	1.892	2.840	6.6	20.7
2 11	10 5.98	+13 55.5	1.858	2.840	2.6	20.4
2 21	9 57.66	+14 50.1	1.854	2.840	2.0	20.3
3 2	9 49.62	+15 39.5	1.879	2.840	6.0	20.6
3 12	9 42.80	+16 19.0	1.931	2.840	9.8	20.8
3 22	9 37.90	+16 45.8	2.006	2.840	13.1	21.0

473884 2016 ER_{142} 2 17.5 185.°35 0.°5/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.14	+ 7 36.6	2.314	3.096	12.8	21.6
1 22	10 19.80	+ 8 8.6	2.223	3.096	9.9	21.4
2 1	10 13.56	+ 8 53.3	2.156	3.096	6.5	21.2
2 11	10 5.94	+ 9 47.2	2.116	3.095	2.8	21.0
2 21	9 57.68	+10 45.5	2.107	3.094	1.3	20.9
3 2	9 49.64	+11 42.9	2.128	3.093	5.1	21.1
3 12	9 42.65	+12 34.4	2.177	3.091	8.7	21.3
3 22	9 37.35	+13 16.5	2.252	3.088	11.8	21.5

463596 2013 SJ_{40} 2 17.5 226.°98 2.°7/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.58	+ 3 14.0	2.379	3.133	13.3	21.8
1 22	10 23.23	+ 2 58.0	2.270	3.121	10.7	21.6
2 1	10 15.82	+ 2 54.4	2.185	3.109	7.6	21.4
2 11	10 6.89	+ 3 2.3	2.128	3.095	4.3	21.2
2 21	9 57.15	+ 3 19.6	2.100	3.081	2.8	21.0
3 2	9 47.53	+ 3 43.2	2.103	3.067	5.2	21.2
3 12	9 38.92	+ 4 9.0	2.136	3.052	8.6	21.4
3 22	9 32.05	+ 4 33.1	2.194	3.036	11.8	21.5

178301 1993 QW_3 2 17.5 122.°59 1.°0/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.76	+13 25.6	2.034	2.831	13.8	20.3
1 22	10 24.19	+13 45.9	1.961	2.845	10.5	20.1
2 1	10 16.38	+14 14.3	1.912	2.858	6.7	19.9
2 11	10 7.05	+14 46.3	1.891	2.872	2.6	19.7
2 21	9 57.12	+15 16.7	1.899	2.884	2.1	19.6
3 2	9 47.64	+15 41.1	1.937	2.896	6.0	19.9
3 12	9 39.59	+15 56.0	2.003	2.908	9.8	20.2
3 22	9 33.61	+16 0.3	2.094	2.919	13.0	20.4

89643 2001 XA_{225} 2 17.5 193.°63 0.°9/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.52	+ 7 40.4	1.911	2.695	15.0	20.8
1 22	10 24.34	+ 7 54.6	1.820	2.693	11.8	20.6
2 1	10 16.71	+ 8 22.7	1.751	2.691	7.8	20.3
2 11	10 7.28	+ 9 1.5	1.709	2.688	3.5	20.0
2 21	9 56.96	+ 9 46.0	1.697	2.684	1.6	19.9
3 2	9 46.90	+10 30.6	1.714	2.679	6.0	20.2
3 12	9 38.23	+11 9.7	1.759	2.674	10.2	20.4
3 22	9 31.73	+11 39.6	1.828	2.668	13.9	20.6

456876 2007 VP_{78} 2 17.5 111.°47 6.°0/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.03	+26 10.9	1.884	2.699	14.0	21.8
1 22	10 26.94	+27 26.8	1.832	2.721	10.9	21.7
2 1	10 18.25	+28 41.2	1.805	2.742	7.8	21.5
2 11	10 7.80	+29 45.0	1.805	2.763	6.0	21.5
2 21	9 56.74	+30 30.5	1.833	2.783	7.0	21.6
3 2	9 46.36	+30 53.2	1.889	2.802	9.6	21.8
3 12	9 37.77	+30 52.7	1.971	2.821	12.5	22.0
3 22	9 31.67	+30 31.7	2.074	2.838	15.1	22.2

497631 2006 QZ_{121} 2 17.5 138.°08 0.°9/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.52	+ 7 26.2	2.936	3.704	10.7	22.2
1 22	10 19.58	+ 7 33.8	2.851	3.716	8.3	22.0
2 1	10 13.16	+ 7 50.1	2.792	3.727	5.5	21.8
2 11	10 5.72	+ 8 12.9	2.762	3.738	2.5	21.6
2 21	9 57.86	+ 8 39.4	2.762	3.748	1.2	21.5
3 2	9 50.24	+ 9 6.5	2.794	3.758	4.0	21.8
3 12	9 43.49	+ 9 31.2	2.855	3.768	6.9	22.0
3 22	9 38.09	+ 9 51.2	2.943	3.777	9.4	22.2

375844 2009 UT_{149} 2 17.5 168.°58 1.°9/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.30	+ 5 12.8	2.086	2.864	14.1	21.6
1 22	10 20.86	+ 5 15.0	1.997	2.865	11.2	21.4
2 1	10 14.33	+ 5 31.0	1.932	2.866	7.6	21.2
2 11	10 6.29	+ 5 58.8	1.892	2.866	3.9	20.9
2 21	9 57.54	+ 6 34.6	1.882	2.867	2.1	20.8
3 2	9 49.06	+ 7 13.8	1.901	2.868	5.3	21.0
3 12	9 41.78	+ 7 51.3	1.947	2.868	9.1	21.2
3 22	9 36.37	+ 8 23.1	2.019	2.868	12.4	21.5

371256 2006 BJ_{224} 2 17.5 156.°65 0.°4/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.96	+ 7 53.2	2.197	2.984	13.2	21.7
1 22	10 19.75	+ 8 25.4	2.112	2.988	10.2	21.5
2 1	10 13.56	+ 9 10.6	2.049	2.991	6.7	21.2
2 11	10 5.98	+10 5.0	2.015	2.994	2.8	21.0
2 21	9 57.75	+11 3.5	2.010	2.997	1.3	20.9
3 2	9 49.78	+12 0.6	2.034	2.999	5.3	21.2
3 12	9 42.93	+12 51.3	2.087	3.001	8.9	21.4
3 22	9 37.85	+13 31.9	2.165	3.003	12.1	21.6

415838 2001 RN_{96} 2 17.5 173.°20 0.°6/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.28	+ 7 46.9	2.189	2.971	13.4	22.0
1 22	10 21.52	+ 8 11.2	2.101	2.974	10.4	21.8
2 1	10 14.72	+ 8 48.1	2.036	2.976	6.9	21.6
2 11	10 6.44	+ 9 34.2	1.999	2.978	3.0	21.4
2 21	9 57.49	+10 24.8	1.992	2.979	1.4	21.3
3 2	9 48.80	+11 14.7	2.015	2.980	5.3	21.5
3 12	9 41.27	+11 58.9	2.066	2.980	9.0	21.8
3 22	9 35.57	+12 34.0	2.143	2.980	12.3	22.0

284373 2006 SL_{227} 2 17.5 214.°92 1.°4/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.04	+ 5 18.9	2.735	3.501	11.4	21.4
1 22	10 18.71	+ 5 29.4	2.634	3.496	9.0	21.2
2 1	10 12.75	+ 5 51.0	2.558	3.490	6.1	21.0
2 11	10 5.62	+ 6 21.8	2.509	3.483	3.1	20.8
2 21	9 57.94	+ 6 58.7	2.491	3.477	1.6	20.7
3 2	9 50.40	+ 7 38.0	2.504	3.470	4.3	20.9
3 12	9 43.72	+ 8 16.0	2.546	3.462	7.4	21.1
3 22	9 38.43	+ 8 49.3	2.613	3.455	10.2	21.2

181686 6712 *P–L* 2 17.5 123.°79 3.°4/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.53	− 1 45.5	2.075	2.824	15.1	20.4
1 22	10 20.22	− 1 19.6	1.993	2.837	12.2	20.2
2 1	10 13.87	− 0 33.1	1.934	2.850	8.9	20.0
2 11	10 6.09	+ 0 31.9	1.900	2.863	5.4	19.8
2 21	9 57.70	+ 1 50.7	1.896	2.875	3.4	19.7
3 2	9 49.61	+ 3 16.8	1.921	2.886	5.4	19.9
3 12	9 42.74	+ 4 42.7	1.974	2.897	8.8	20.1
3 22	9 37.71	+ 6 2.2	2.054	2.908	12.0	20.3

470012 2006 QD_{144} 2 17.5 187.°11 3.°3/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.36	− 2 3.1	2.666	3.403	12.4	22.0
1 22	10 17.46	− 1 50.1	2.567	3.402	10.1	21.9
2 1	10 11.96	− 1 20.9	2.492	3.402	7.5	21.7
2 11	10 5.31	− 0 37.0	2.444	3.401	4.8	21.5
2 21	9 58.12	+ 0 19.1	2.425	3.400	3.3	21.4
3 2	9 51.09	+ 1 23.0	2.435	3.398	4.7	21.5
3 12	9 44.92	+ 2 29.7	2.476	3.397	7.4	21.7
3 22	9 40.14	+ 3 34.3	2.542	3.395	10.1	21.8

468955 2015 AC_{34} 2 17.5 201.°32 1.°3/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.13	+ 6 36.6	2.122	2.904	13.8	21.4
1 22	10 20.73	+ 6 44.6	2.032	2.903	10.8	21.2
2 1	10 14.25	+ 7 5.6	1.964	2.902	7.3	21.0
2 11	10 6.28	+ 7 37.0	1.924	2.900	3.4	20.8
2 21	9 57.59	+ 8 14.8	1.912	2.898	1.7	20.6
3 2	9 49.15	+ 8 54.4	1.930	2.897	5.3	20.9
3 12	9 41.87	+ 9 30.8	1.976	2.895	9.1	21.1
3 22	9 36.45	+10 0.4	2.046	2.892	12.4	21.3

147297 2003 AO_{57} 2 17.5 45.°18 3.°9/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.81	+17 47.2	1.597	2.426	15.4	19.4
1 22	10 21.14	+19 0.8	1.531	2.433	11.7	19.2
2 1	10 14.79	+20 23.3	1.488	2.441	7.6	18.9
2 11	10 6.54	+21 45.7	1.472	2.449	4.2	18.8
2 21	9 57.47	+22 58.5	1.483	2.457	5.1	18.8
3 2	9 48.88	+23 54.0	1.521	2.465	8.9	19.1
3 12	9 41.96	+24 27.9	1.583	2.474	12.8	19.3
3 22	9 37.50	+24 39.8	1.667	2.483	16.1	19.6

383672 2007 TC_{183} 2 17.5 132.°68 4.°1/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.01	+23 35.5	2.523	3.336	11.0	20.8
1 22	10 20.37	+24 39.3	2.453	3.344	8.4	20.6
2 1	10 13.86	+25 44.2	2.410	3.352	5.8	20.5
2 11	10 6.07	+26 44.3	2.395	3.360	4.2	20.4
2 21	9 57.73	+27 33.8	2.410	3.367	4.9	20.5
3 2	9 49.70	+28 8.6	2.454	3.375	7.3	20.6
3 12	9 42.79	+28 26.7	2.524	3.382	9.9	20.8
3 22	9 37.59	+28 28.4	2.618	3.388	12.2	21.0

163663 2002 VV_{122} 2 17.5 109.°79 5.°9/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.37	+30 15.3	2.396	3.206	11.6	20.1
1 22	10 23.78	+31 10.7	2.336	3.218	9.2	20.0
2 1	10 16.07	+32 1.9	2.301	3.229	7.0	19.9
2 11	10 6.94	+32 42.0	2.294	3.240	5.9	19.8
2 21	9 57.29	+33 5.8	2.316	3.251	6.7	19.9
3 2	9 48.12	+33 10.2	2.365	3.262	8.7	20.0
3 12	9 40.34	+32 55.1	2.440	3.273	11.0	20.2
3 22	9 34.56	+32 22.7	2.538	3.283	13.2	20.4

128593 2004 QU_6 2 17.5 143.°19 0.°8/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.17	+ 6 58.5	2.422	3.198	12.5	21.0
1 22	10 20.42	+ 7 25.9	2.339	3.208	9.7	20.8
2 1	10 13.88	+ 8 5.2	2.281	3.219	6.4	20.6
2 11	10 6.08	+ 8 53.2	2.251	3.228	2.8	20.4
2 21	9 57.73	+ 9 45.5	2.250	3.237	1.3	20.3
3 2	9 49.66	+10 37.3	2.281	3.246	4.8	20.6
3 12	9 42.65	+11 24.2	2.340	3.254	8.1	20.8
3 22	9 37.27	+12 2.9	2.426	3.261	11.1	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
258183 2001 SG_{185}			2 17.5 44°55		0°2/17.7 18	
	h m	° ′			°	m
1 12	10 24.82	+ 7 56.7	1.381	2.197	18.2	20.2
1 22	10 21.15	+ 8 37.2	1.329	2.221	13.9	19.9
2 1	10 14.74	+ 9 36.1	1.298	2.246	9.0	19.7
2 11	10 6.47	+10 46.8	1.291	2.272	3.6	19.5
2 21	9 57.56	+12 0.6	1.311	2.298	1.8	19.4
3 2	9 49.35	+13 8.6	1.357	2.325	7.0	19.8
3 12	9 42.99	+14 3.9	1.429	2.352	11.6	20.1
3 22	9 39.20	+14 42.7	1.523	2.379	15.4	20.4
14415 1991 RQ_{7}			2 17.5 205°00		1°4/19.1 18	
1 12	10 24.63	+ 5 24.1	3.039	3.797	10.6	19.3
1 22	10 19.74	+ 5 28.3	2.934	3.791	8.3	19.1
2 1	10 13.34	+ 5 42.2	2.855	3.784	5.7	18.9
2 11	10 5.86	+ 6 4.0	2.804	3.777	2.9	18.7
2 21	9 57.85	+ 6 31.2	2.784	3.769	1.6	18.6
3 2	9 49.98	+ 7 0.9	2.796	3.761	4.0	18.8
3 12	9 42.88	+ 7 29.8	2.838	3.752	6.8	18.9
3 22	9 37.08	+ 7 55.3	2.907	3.743	9.4	19.1
473009 2015 HV_{40}			2 17.5 236°72		0°4/17.9 17	
1 12	10 21.57	+ 8 12.1	2.650	3.433	11.3	21.8
1 22	10 17.66	+ 8 39.5	2.553	3.427	8.8	21.6
2 1	10 12.12	+ 9 17.4	2.481	3.421	5.8	21.4
2 11	10 5.39	+10 2.9	2.436	3.415	2.5	21.2
2 21	9 58.11	+10 52.3	2.422	3.409	1.1	21.1
3 2	9 50.97	+11 41.0	2.438	3.403	4.5	21.3
3 12	9 44.71	+12 25.1	2.483	3.396	7.7	21.5
3 22	9 39.88	+13 1.4	2.554	3.390	10.6	21.7
473047 2015 HU_{81}			2 17.5 295°40		1°8/19.3 16	
1 12	10 21.72	+ 4 24.9	2.405	3.178	12.6	21.7
1 22	10 17.93	+ 4 34.4	2.307	3.172	10.0	21.5
2 1	10 12.37	+ 4 57.1	2.234	3.166	6.9	21.3
2 11	10 5.51	+ 5 31.0	2.187	3.160	3.6	21.0
2 21	9 58.04	+ 6 12.7	2.170	3.154	1.9	20.9
3 2	9 50.73	+ 6 58.0	2.182	3.149	4.7	21.1
3 12	9 44.39	+ 7 42.2	2.222	3.143	8.1	21.3
3 22	9 39.59	+ 8 21.4	2.288	3.138	11.1	21.5
516466 2005 NV_{81}			2 17.5 246°34		1°2/18.6 17	
1 12	10 24.12	+ 7 20.0	2.443	3.222	12.3	21.6
1 22	10 19.70	+ 7 20.5	2.349	3.219	9.6	21.4
2 1	10 13.46	+ 7 31.4	2.280	3.217	6.4	21.2
2 11	10 5.94	+ 7 50.5	2.238	3.214	3.0	21.0
2 21	9 57.82	+ 8 14.7	2.225	3.211	1.5	20.9
3 2	9 49.90	+ 8 40.4	2.243	3.209	4.7	21.1
3 12	9 42.99	+ 9 4.0	2.289	3.206	8.1	21.3
3 22	9 37.67	+ 9 22.5	2.360	3.203	11.1	21.5
243190 2007 TV_{296}			2 17.5 144°33		5°0/12.3 17	
1 12	10 25.91	+26 23.1	2.416	3.231	11.3	20.8
1 22	10 21.20	+27 25.2	2.345	3.234	8.8	20.6
2 1	10 14.47	+28 26.8	2.300	3.237	6.4	20.4
2 11	10 6.34	+29 21.0	2.283	3.241	5.0	20.4
2 21	9 57.62	+30 2.2	2.295	3.244	5.8	20.4
3 2	9 49.22	+30 26.4	2.335	3.247	8.1	20.6
3 12	9 42.04	+30 32.0	2.401	3.249	10.6	20.7
3 22	9 36.70	+30 20.1	2.490	3.252	13.0	20.9
393711 2004 TL_{222}			2 17.5 117°85		5°3/12.9 18	
1 12	10 31.68	+22 55.8	1.821	2.638	14.4	21.0
1 22	10 26.03	+24 22.3	1.766	2.658	11.0	20.8
2 1	10 17.76	+25 51.0	1.735	2.678	7.6	20.7
2 11	10 7.68	+27 12.3	1.731	2.697	5.4	20.6
2 21	9 56.92	+28 17.5	1.757	2.715	6.4	20.7
3 2	9 46.76	+29 0.7	1.811	2.733	9.4	20.9
3 12	9 38.35	+29 20.1	1.890	2.749	12.6	21.1
3 22	9 32.40	+29 17.7	1.990	2.765	15.3	21.3
113619 2002 TU_{60}			2 17.5 106°59		0°4/17.9 18	
1 12	10 24.05	+ 8 49.7	2.288	3.076	12.7	20.4
1 22	10 19.70	+ 9 9.6	2.207	3.084	9.8	20.2
2 1	10 13.47	+ 9 40.3	2.149	3.091	6.4	20.0
2 11	10 5.94	+10 18.6	2.119	3.099	2.7	19.8
2 21	9 57.84	+11 0.2	2.119	3.106	1.3	19.7
3 2	9 50.03	+11 40.5	2.148	3.113	5.0	19.9
3 12	9 43.33	+12 15.3	2.205	3.120	8.5	20.2
3 22	9 38.32	+12 41.7	2.288	3.127	11.5	20.4
156545 2002 DF_{10}			2 17.5 44°52		1°5/18.7 18	
1 12	10 24.05	+ 5 52.9	1.766	2.559	15.7	20.2
1 22	10 20.23	+ 6 7.3	1.688	2.566	12.3	20.0
2 1	10 14.07	+ 6 38.0	1.633	2.572	8.3	19.8
2 11	10 6.24	+ 7 21.9	1.602	2.579	3.9	19.5
2 21	9 57.67	+ 8 13.7	1.600	2.586	1.9	19.4
3 2	9 49.47	+ 9 7.0	1.626	2.594	5.9	19.7
3 12	9 42.68	+ 9 55.6	1.678	2.601	10.1	19.9
3 22	9 38.02	+10 35.0	1.754	2.609	13.7	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
178901 2001 OE_{83}			2 17.5 117°07		4°0/14.0 18	
	h m	° ′			°	m
1 12	10 27.12	+19 38.3	1.874	2.693	13.9	20.2
1 22	10 22.54	+20 48.0	1.806	2.702	10.6	20.0
2 1	10 15.54	+22 3.5	1.763	2.711	7.0	19.8
2 11	10 6.82	+23 16.7	1.746	2.720	4.2	19.7
2 21	9 57.38	+24 19.6	1.759	2.729	5.0	19.7
3 2	9 48.37	+25 5.9	1.799	2.737	8.3	19.9
3 12	9 40.87	+25 32.5	1.866	2.745	11.7	20.2
3 22	9 35.60	+25 39.5	1.954	2.753	14.8	20.4
14336 1981 UU_{29}			2 17.5 141°10		0°8/18.1 18	
1 12	10 29.97	+ 7 28.5	1.797	2.583	15.8	20.1
1 22	10 24.69	+ 7 52.6	1.720	2.595	12.2	19.9
2 1	10 16.91	+ 8 31.8	1.666	2.607	8.1	19.7
2 11	10 7.38	+ 9 22.1	1.639	2.617	3.5	19.4
2 21	9 57.08	+10 17.4	1.640	2.627	1.6	19.3
3 2	9 47.21	+11 11.2	1.671	2.637	6.1	19.6
3 12	9 38.88	+11 57.7	1.730	2.645	10.4	19.9
3 22	9 32.84	+12 33.2	1.812	2.653	14.0	20.1
234915 2002 TH_{319}			2 17.5 72°71		0°3/17.7 18	
1 12	10 25.01	+ 9 40.2	2.101	2.895	13.5	20.8
1 22	10 20.54	+ 9 56.3	2.027	2.907	10.4	20.6
2 1	10 14.06	+10 23.2	1.976	2.919	6.8	20.4
2 11	10 6.18	+10 57.2	1.952	2.932	2.8	20.2
2 21	9 57.75	+11 33.9	1.957	2.945	1.4	20.1
3 2	9 49.68	+12 8.5	1.992	2.957	5.3	20.4
3 12	9 42.86	+12 36.8	2.055	2.970	9.0	20.6
3 22	9 37.90	+12 56.4	2.142	2.982	12.2	20.9
284718 2008 TO_{181}			2 17.5 208°76		0°2/17.4 18	
1 12	10 30.38	+10 30.7	1.800	2.595	15.4	21.6
1 22	10 25.24	+10 53.1	1.708	2.590	11.9	21.4
2 1	10 17.45	+11 28.3	1.639	2.584	7.8	21.1
2 11	10 7.67	+12 12.1	1.596	2.577	3.1	20.8
2 21	9 56.90	+12 58.4	1.582	2.569	1.8	20.7
3 2	9 46.37	+13 41.0	1.598	2.561	6.6	21.0
3 12	9 37.33	+14 14.5	1.640	2.551	11.1	21.2
3 22	9 30.63	+14 35.8	1.706	2.542	15.0	21.4
33539 Elenaberman			2 17.5 60°46		4°6/20.8 18	R
1 12	10 25.28	− 0 51.2	1.454	2.233	19.2	19.0
1 22	10 21.64	− 0 58.0	1.380	2.241	15.6	18.8
2 1	10 15.23	− 0 39.8	1.325	2.249	11.4	18.6
2 11	10 6.78	+ 0 2.6	1.293	2.257	7.0	18.3
2 21	9 57.41	+ 1 4.5	1.286	2.265	4.6	18.2
3 2	9 48.47	+ 2 18.3	1.306	2.274	7.1	18.4
3 12	9 41.24	+ 3 34.4	1.351	2.282	11.4	18.6
3 22	9 36.56	+ 4 44.4	1.419	2.291	15.4	18.9
412236 2013 HA_{17}			2 17.5 177°51		1°9/15.8 18	
1 12	10 26.88	+13 47.9	1.955	2.761	13.9	21.4
1 22	10 22.31	+14 46.5	1.873	2.762	10.6	21.1
2 1	10 15.41	+15 56.1	1.815	2.764	6.8	20.9
2 11	10 6.80	+17 10.3	1.784	2.764	2.9	20.7
2 21	9 57.40	+18 21.8	1.783	2.765	3.0	20.7
3 2	9 48.30	+19 23.5	1.811	2.764	6.9	20.9
3 12	9 40.54	+20 10.5	1.866	2.764	10.8	21.1
3 22	9 34.88	+20 40.8	1.945	2.762	14.1	21.4
446169 2013 EP_{124}			2 17.5 52°87		5°8/13.9 18	
1 12	10 30.56	+21 41.3	1.244	2.084	18.3	20.7
1 22	10 25.99	+22 49.1	1.199	2.105	13.9	20.5
2 1	10 18.06	+24 0.6	1.175	2.126	9.3	20.3
2 11	10 7.86	+25 4.1	1.176	2.148	6.0	20.2
2 21	9 56.92	+25 49.3	1.202	2.171	7.0	20.3
3 2	9 46.97	+26 9.8	1.253	2.193	10.8	20.6
3 12	9 39.41	+26 4.7	1.327	2.216	14.8	20.9
3 22	9 34.99	+25 37.2	1.420	2.239	18.3	21.2
402918 2007 TD_{137}			2 17.5 222°69		1°5/18.7 17	
1 12	10 27.33	+ 5 36.6	1.945	2.724	15.0	22.5
1 22	10 22.74	+ 5 53.8	1.846	2.715	11.8	22.2
2 1	10 15.77	+ 6 27.1	1.770	2.706	8.0	22.0
2 11	10 6.99	+ 7 13.6	1.720	2.696	3.8	21.7
2 21	9 57.29	+ 8 8.6	1.699	2.685	1.8	21.5
3 2	9 47.74	+ 9 6.1	1.707	2.674	5.9	21.8
3 12	9 39.45	+ 9 59.8	1.743	2.662	10.1	22.0
3 22	9 33.23	+10 44.8	1.804	2.649	13.9	22.2
83014 2001 QZ_{169}			2 17.5 48°75		3°2/20.7 18	
1 12	10 20.99	− 0 45.7	2.030	2.792	15.0	19.6
1 22	10 17.57	− 0 23.0	1.953	2.806	12.1	19.4
2 1	10 12.20	+ 0 19.7	1.898	2.820	8.7	19.2
2 11	10 5.47	+ 1 20.0	1.869	2.834	5.2	19.0
2 21	9 58.16	+ 2 33.2	1.868	2.848	3.2	18.9
3 2	9 51.18	+ 3 52.9	1.896	2.863	5.3	19.1
3 12	9 45.36	+ 5 12.1	1.951	2.878	8.7	19.3
3 22	9 41.33	+ 6 24.7	2.032	2.893	11.9	19.6

500652 2012 VO_{15} 2 17.5 144°.40 3°.4/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.71	− 1 38.7	2.716	3.451	12.2	22.4
1 22	10 18.42	− 1 39.0	2.625	3.458	10.0	22.2
2 1	10 12.55	− 1 24.6	2.557	3.465	7.4	22.1
2 11	10 5.57	− 0 56.4	2.516	3.472	4.8	21.9
2 21	9 58.11	− 0 17.0	2.504	3.478	3.4	21.8
3 2	9 50.84	+ 0 30.2	2.523	3.484	4.7	21.9
3 12	9 44.45	+ 1 20.8	2.570	3.489	7.2	22.1
3 22	9 39.46	+ 2 10.4	2.644	3.495	9.8	22.3

366766 2004 RR_{165} 2 17.5 92°.70 1°.6/15.9 18

1 12	10 26.20	+12 59.4	2.190	2.989	12.9	20.7
1 22	10 21.31	+14 6.9	2.131	3.017	9.7	20.6
2 1	10 14.47	+15 23.4	2.096	3.044	6.1	20.4
2 11	10 6.34	+16 42.8	2.091	3.071	2.5	20.2
2 21	9 57.72	+17 58.4	2.116	3.098	2.6	20.3
3 2	9 49.54	+19 4.3	2.171	3.124	6.0	20.5
3 12	9 42.62	+19 56.4	2.254	3.149	9.3	20.8
3 22	9 37.54	+20 33.0	2.362	3.174	12.1	21.0

212491 2006 QW_{117} 2 17.5 190°.94 0°.4/17.9 17

1 12	10 23.19	+ 8 44.9	2.841	3.619	10.8	21.9
1 22	10 18.76	+ 9 7.5	2.746	3.618	8.3	21.8
2 1	10 12.76	+ 9 39.3	2.676	3.616	5.4	21.6
2 11	10 5.67	+10 17.6	2.635	3.614	2.3	21.4
2 21	9 58.06	+10 58.8	2.624	3.611	1.1	21.2
3 2	9 50.62	+11 39.1	2.644	3.608	4.3	21.5
3 12	9 44.02	+12 15.1	2.694	3.605	7.3	21.7
3 22	9 38.79	+12 44.2	2.770	3.601	10.0	21.8

12924 1999 RK_{21} 2 17.5 182°.96 1°.5/16.4 18

1 12	10 31.38	+13 13.8	1.717	2.520	15.7	19.5
1 22	10 26.07	+13 51.8	1.634	2.522	12.0	19.3
2 1	10 18.00	+14 41.4	1.574	2.522	7.7	19.0
2 11	10 7.90	+15 36.7	1.541	2.522	3.1	18.8
2 21	9 56.85	+16 30.2	1.536	2.521	2.7	18.7
3 2	9 46.15	+17 14.9	1.561	2.519	7.3	19.0
3 12	9 37.09	+17 45.9	1.612	2.516	11.7	19.3
3 22	9 30.54	+18 1.3	1.686	2.512	15.5	19.5

140765 2001 UF_{122} 2 17.5 167°.33 6°.4/10.3 18

1 12	10 26.79	+31 59.7	2.512	3.323	11.0	19.8
1 22	10 21.93	+33 11.2	2.446	3.325	8.9	19.7
2 1	10 14.99	+34 18.5	2.405	3.326	7.1	19.5
2 11	10 6.60	+35 14.5	2.392	3.327	6.4	19.5
2 21	9 57.59	+35 53.3	2.407	3.328	7.3	19.5
3 2	9 48.92	+36 11.4	2.449	3.329	9.2	19.7
3 12	9 41.51	+36 8.2	2.516	3.330	11.3	19.8
3 22	9 35.99	+35 45.7	2.605	3.330	13.3	20.0

96664 1999 JG_{15} 2 17.5 171°.73 3°.5/20.3 18

1 12	10 27.20	+ 0 23.1	1.886	2.647	16.0	19.5
1 22	10 22.58	+ 0 24.7	1.798	2.650	13.0	19.2
2 1	10 15.61	+ 0 45.8	1.731	2.652	9.3	19.0
2 11	10 6.92	+ 1 25.0	1.689	2.654	5.6	18.8
2 21	9 57.40	+ 2 18.5	1.675	2.655	3.6	18.7
3 2	9 48.15	+ 3 20.5	1.691	2.656	6.0	18.8
3 12	9 40.24	+ 4 24.1	1.734	2.657	9.8	19.1
3 22	9 34.43	+ 5 23.0	1.801	2.656	13.4	19.3

139299 2001 KH_{12} 2 17.5 304°.10 3°.8/20.3 18

1 12	10 22.82	+ 0 52.2	1.577	2.361	17.7	19.5
1 22	10 19.86	+ 0 50.2	1.478	2.345	14.4	19.2
2 1	10 14.23	+ 1 10.9	1.399	2.328	10.4	18.9
2 11	10 6.50	+ 1 53.6	1.344	2.312	6.2	18.6
2 21	9 57.60	+ 2 54.7	1.314	2.296	3.9	18.5
3 2	9 48.80	+ 4 7.3	1.311	2.280	6.9	18.6
3 12	9 41.41	+ 5 22.6	1.333	2.264	11.5	18.8
3 22	9 36.41	+ 6 32.2	1.379	2.249	15.8	19.0

297768 2001 XE_{169} 2 17.5 81°.54 2°.6/19.3 18

1 12	10 29.91	+ 4 1.8	1.486	2.274	18.4	21.1
1 22	10 24.93	+ 4 4.1	1.424	2.296	14.5	20.9
2 1	10 17.18	+ 4 26.2	1.383	2.318	9.9	20.7
2 11	10 7.52	+ 5 4.9	1.366	2.340	5.1	20.5
2 21	9 57.15	+ 5 54.6	1.377	2.362	2.7	20.3
3 2	9 47.44	+ 6 47.9	1.415	2.383	6.6	20.6
3 12	9 39.58	+ 7 37.7	1.479	2.404	11.0	20.9
3 22	9 34.33	+ 8 18.6	1.567	2.425	14.9	21.2

238687 2005 EK_{246} 2 17.5 243°.99 3°.0/14.8 17

1 12	10 27.42	+20 30.5	2.384	3.191	11.7	20.8
1 22	10 22.39	+21 1.4	2.293	3.182	8.9	20.6
2 1	10 15.31	+21 35.2	2.227	3.173	5.9	20.4
2 11	10 6.76	+22 6.7	2.189	3.164	3.3	20.2
2 21	9 57.53	+22 31.0	2.181	3.155	3.8	20.2
3 2	9 48.54	+22 44.2	2.203	3.145	6.7	20.4
3 12	9 40.71	+22 44.0	2.252	3.135	9.8	20.6
3 22	9 34.69	+22 30.3	2.326	3.125	12.7	20.8

2771 Polzunov 2 17.5 190°.11 4°.8/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.99	− 6 47.7	2.579	3.286	13.5	17.9
1 22	10 19.58	− 6 47.8	2.477	3.285	11.3	17.8
2 1	10 13.42	− 6 29.3	2.397	3.283	8.8	17.6
2 11	10 5.99	− 5 52.0	2.343	3.280	6.4	17.4
2 21	9 57.94	− 4 58.1	2.317	3.277	4.9	17.3
3 2	9 50.04	− 3 51.2	2.320	3.273	5.7	17.4
3 12	9 43.05	− 2 37.2	2.353	3.269	8.0	17.5
3 22	9 37.56	− 1 21.7	2.413	3.264	10.6	17.7

29791 1999 CC_{65} 2 17.5 163°.16 4°.4/21.3 18

1 12	10 27.69	− 2 15.9	2.318	3.050	14.2	18.8
1 22	10 22.51	− 2 38.1	2.226	3.056	11.7	18.6
2 1	10 15.35	− 2 44.0	2.157	3.061	8.8	18.4
2 11	10 6.77	− 2 33.8	2.114	3.065	5.9	18.2
2 21	9 57.53	− 2 9.2	2.100	3.069	4.4	18.1
3 2	9 48.52	− 1 33.6	2.115	3.072	5.8	18.2
3 12	9 40.62	− 0 51.8	2.159	3.075	8.6	18.4
3 22	9 34.46	− 0 9.0	2.229	3.077	11.5	18.6

207570 2006 PQ_{12} 2 17.5 147°.39 1°.0/18.6 17

1 12	10 21.74	+ 5 31.2	2.509	3.284	12.1	20.9
1 22	10 17.86	+ 6 6.2	2.420	3.288	9.4	20.7
2 1	10 12.28	+ 6 54.3	2.356	3.292	6.3	20.5
2 11	10 5.52	+ 7 52.5	2.319	3.295	2.9	20.3
2 21	9 58.21	+ 8 56.3	2.312	3.299	1.3	20.2
3 2	9 51.11	+10 0.6	2.336	3.302	4.6	20.4
3 12	9 44.95	+11 0.6	2.388	3.305	7.8	20.6
3 22	9 40.28	+11 52.5	2.467	3.308	10.7	20.8

322717 2000 PT_{29} 2 17.5 182°.66 3°.6/14.3 16

1 12	10 30.61	+22 24.3	2.393	3.197	11.8	21.5
1 22	10 24.75	+23 2.1	2.311	3.197	9.0	21.4
2 1	10 16.79	+23 41.3	2.254	3.198	6.1	21.2
2 11	10 7.34	+24 16.2	2.227	3.197	3.8	21.0
2 21	9 57.25	+24 41.5	2.229	3.196	4.4	21.1
3 2	9 47.50	+24 53.4	2.261	3.195	7.1	21.2
3 12	9 39.01	+24 50.4	2.321	3.192	10.1	21.4
3 22	9 32.44	+24 33.1	2.405	3.190	12.7	21.6

368600 2004 RR_{187} 2 17.5 85°.36 1°.7/18.9 18

1 12	10 27.94	+ 5 53.4	2.042	2.818	14.5	21.2
1 22	10 22.73	+ 5 55.8	1.974	2.842	11.3	21.0
2 1	10 15.44	+ 6 11.6	1.930	2.865	7.6	20.9
2 11	10 6.77	+ 6 37.9	1.913	2.888	3.7	20.7
2 21	9 57.58	+ 7 10.7	1.925	2.911	1.9	20.6
3 2	9 48.86	+ 7 45.3	1.967	2.933	5.2	20.8
3 12	9 41.50	+ 8 17.2	2.036	2.955	8.8	21.1
3 22	9 36.09	+ 8 43.1	2.131	2.977	12.0	21.3

135218 2001 RC_{92} 2 17.5 137°.36 1°.6/19.2 18

1 12	10 21.55	+ 3 42.4	2.383	3.154	12.8	20.1
1 22	10 17.81	+ 4 11.9	2.293	3.156	10.1	19.9
2 1	10 12.30	+ 4 56.2	2.226	3.158	6.9	19.7
2 11	10 5.54	+ 5 52.6	2.187	3.160	3.5	19.5
2 21	9 58.21	+ 6 56.9	2.177	3.163	1.8	19.4
3 2	9 51.07	+ 8 3.6	2.197	3.165	4.7	19.6
3 12	9 44.92	+ 9 7.5	2.246	3.167	8.1	19.8
3 22	9 40.33	+10 4.0	2.321	3.169	11.1	20.0

90968 1997 WG_{28} 2 17.5 153°.86 0°.1/17.6 18

1 12	10 29.02	+ 8 59.5	1.958	2.746	14.6	21.1
1 22	10 23.84	+ 9 33.5	1.878	2.755	11.3	20.9
2 1	10 16.35	+10 20.9	1.821	2.764	7.3	20.6
2 11	10 7.20	+11 17.2	1.791	2.771	3.0	20.4
2 21	9 57.33	+12 16.4	1.791	2.778	1.5	20.3
3 2	9 47.81	+13 12.1	1.821	2.784	5.9	20.6
3 12	9 39.67	+13 59.0	1.879	2.790	10.0	20.8
3 22	9 33.64	+14 34.0	1.961	2.794	13.4	21.1

15935 1997 YT 2 17.5 199°.38 1°.7/18.9 18

1 12	10 25.93	+ 5 29.6	2.060	2.839	14.3	18.9
1 22	10 21.46	+ 5 35.9	1.969	2.837	11.3	18.7
2 1	10 14.82	+ 5 56.3	1.900	2.835	7.7	18.5
2 11	10 6.61	+ 6 28.6	1.858	2.833	3.8	18.3
2 21	9 57.65	+ 7 8.7	1.845	2.831	1.9	18.1
3 2	9 48.92	+ 7 51.8	1.861	2.828	5.4	18.3
3 12	9 41.40	+ 8 32.5	1.905	2.825	9.3	18.6
3 22	9 35.79	+ 9 6.9	1.973	2.822	12.7	18.8

77898 2001 TO_{88} 2 17.5 8°.87 6°.4/12.2 18

1 12	10 30.93	+30 56.6	2.166	2.978	12.5	18.1
1 22	10 25.29	+31 39.2	2.096	2.978	10.0	17.9
2 1	10 17.25	+32 16.8	2.050	2.979	7.7	17.8
2 11	10 7.56	+32 41.9	2.032	2.979	6.4	17.7
2 21	9 57.22	+32 49.0	2.041	2.980	7.2	17.7
3 2	9 47.40	+32 35.0	2.078	2.981	9.4	17.9
3 12	9 39.14	+32 0.4	2.140	2.982	12.0	18.0
3 22	9 33.13	+31 7.9	2.225	2.984	14.4	18.2

401360 2013 BE_{37} 2 17.5 281°.11 2°.8/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 28.75	+ 5 22.9	1.469	2.264	18.2	21.2
1 22	10 24.53	+ 5 3.2	1.381	2.258	14.5	20.9
2 1	10 17.31	+ 5 0.8	1.313	2.251	10.1	20.6
2 11	10 7.77	+ 5 14.3	1.270	2.244	5.3	20.3
2 21	9 57.05	+ 5 40.0	1.252	2.237	3.0	20.1
3 2	9 46.61	+ 6 12.1	1.262	2.230	7.2	20.4
3 12	9 37.89	+ 6 43.9	1.296	2.224	12.1	20.6
3 22	9 31.88	+ 7 10.1	1.353	2.217	16.5	20.9

281775 2009 SW_{43} 2 17.5 63°.25 3°.4/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.59	+ 1 10.5	1.884	2.654	15.7	20.6
1 22	10 20.58	+ 1 4.6	1.800	2.657	12.7	20.3
2 1	10 14.32	+ 1 16.8	1.737	2.661	9.1	20.1
2 11	10 6.44	+ 1 46.0	1.699	2.665	5.4	19.9
2 21	9 57.81	+ 2 28.6	1.689	2.669	3.5	19.8
3 2	9 49.48	+ 3 19.4	1.707	2.674	5.9	20.0
3 12	9 42.44	+ 4 12.0	1.752	2.678	9.6	20.2
3 22	9 37.43	+ 5 0.7	1.822	2.682	13.1	20.4

500590 2012 UK_{100} 2 17.5 204°.05 0°.3/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.68	+10 44.2	2.496	3.288	11.7	21.8
1 22	10 18.63	+11 16.0	2.405	3.286	9.0	21.6
2 1	10 12.83	+11 57.3	2.340	3.285	5.8	21.4
2 11	10 5.79	+12 44.5	2.302	3.283	2.3	21.1
2 21	9 58.17	+13 33.2	2.295	3.281	1.4	21.1
3 2	9 50.75	+14 18.9	2.318	3.279	5.0	21.3
3 12	9 44.30	+14 57.4	2.369	3.277	8.3	21.5
3 22	9 39.39	+15 26.4	2.445	3.275	11.2	21.7

496871 2000 RZ_{12} 2 17.5 155°.95 3°.0/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.64	− 1 55.5	3.457	4.175	10.2	22.6
1 22	10 18.79	− 2 3.1	3.362	4.184	8.3	22.5
2 1	10 12.66	− 1 59.3	3.292	4.192	6.2	22.4
2 11	10 5.65	− 1 44.9	3.250	4.201	4.1	22.2
2 21	9 58.26	− 1 21.3	3.238	4.208	3.0	22.2
3 2	9 51.03	− 0 51.0	3.258	4.215	4.0	22.3
3 12	9 44.50	− 0 17.0	3.308	4.221	6.0	22.4
3 22	9 39.08	+ 0 17.6	3.386	4.227	8.1	22.5

296933 2010 DH_{6} 2 17.5 67°.10 3°.1/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.54	+21 31.1	1.986	2.789	13.9	19.3
1 22	10 28.50	+21 35.3	1.928	2.814	10.5	19.1
2 1	10 19.11	+21 39.8	1.894	2.839	6.9	19.0
2 11	10 8.23	+21 39.2	1.889	2.864	3.7	18.8
2 21	9 56.95	+21 29.5	1.913	2.889	3.9	18.9
3 2	9 46.42	+21 8.3	1.968	2.914	7.0	19.1
3 12	9 37.63	+20 35.6	2.050	2.939	10.4	19.4
3 22	9 31.18	+19 52.9	2.156	2.963	13.3	19.6

373226 2012 FG_{61} 2 17.5 299°.24 2°.5/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.88	+15 47.3	1.722	2.542	14.9	21.2
1 22	10 21.95	+16 31.0	1.638	2.535	11.4	21.0
2 1	10 15.41	+17 24.6	1.577	2.529	7.3	20.7
2 11	10 6.94	+18 21.5	1.543	2.523	3.3	20.5
2 21	9 57.54	+19 14.1	1.535	2.516	3.6	20.5
3 2	9 48.45	+19 55.5	1.556	2.510	7.8	20.7
3 12	9 40.85	+20 21.2	1.602	2.505	11.9	20.9
3 22	9 35.60	+20 29.6	1.671	2.499	15.6	21.2

120640 1996 PN 2 17.5 271°.59 6°.2/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 40.68	+27 13.4	1.720	2.527	15.5	19.3
1 22	10 33.81	+27 41.2	1.618	2.502	12.3	19.1
2 1	10 23.44	+28 6.6	1.539	2.476	8.9	18.8
2 11	10 10.31	+28 20.2	1.486	2.449	6.4	18.6
2 21	9 55.72	+28 13.4	1.462	2.422	7.2	18.6
3 2	9 41.40	+27 41.3	1.466	2.395	10.6	18.7
3 12	9 29.06	+26 44.0	1.496	2.366	14.7	18.9
3 22	9 19.85	+25 26.2	1.549	2.338	18.4	19.0

498545 2008 GJ_{50} 2 17.5 265°.72 1°.1/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.50	+12 45.0	1.963	2.766	14.0	22.8
1 22	10 22.23	+13 18.4	1.860	2.748	10.8	22.5
2 1	10 15.55	+14 3.2	1.781	2.729	7.0	22.2
2 11	10 7.02	+14 54.5	1.728	2.710	2.8	21.9
2 21	9 57.49	+15 46.4	1.705	2.690	2.3	21.9
3 2	9 48.06	+16 32.4	1.711	2.670	6.7	22.1
3 12	9 39.86	+17 7.5	1.743	2.650	10.9	22.3
3 22	9 33.75	+17 28.9	1.799	2.629	14.6	22.5

426602 2013 SV_{38} 2 17.5 118°.05 3°.6/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.89	+20 54.6	2.073	2.887	13.0	20.9
1 22	10 22.94	+21 39.2	2.000	2.893	9.9	20.8
2 1	10 15.75	+22 27.1	1.952	2.899	6.6	20.6
2 11	10 6.98	+23 11.6	1.932	2.905	3.9	20.4
2 21	9 57.57	+23 46.7	1.940	2.911	4.5	20.5
3 2	9 48.57	+24 7.9	1.977	2.917	7.6	20.6
3 12	9 40.96	+24 12.9	2.041	2.922	10.8	20.9
3 22	9 35.41	+24 2.1	2.128	2.928	13.7	21.1

344197 2001 OS_{94} 2 17.5 132°.51 1°.6/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.29	+13 4.0	2.097	2.898	13.3	21.0
1 22	10 21.64	+14 6.4	2.024	2.911	10.1	20.8
2 1	10 14.88	+15 19.1	1.974	2.923	6.4	20.6
2 11	10 6.64	+16 36.1	1.953	2.934	2.6	20.4
2 21	9 57.75	+17 50.3	1.962	2.945	2.7	20.4
3 2	9 49.21	+18 55.4	2.001	2.955	6.3	20.6
3 12	9 41.94	+19 46.8	2.068	2.965	9.9	20.9
3 22	9 36.59	+20 22.3	2.159	2.974	13.0	21.1

500777 2013 DM_{12} 2 17.5 312°.51 5°.3/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.66	− 1 13.2	1.378	2.164	19.7	20.9
1 22	10 20.12	− 1 30.1	1.285	2.149	16.3	20.6
2 1	10 14.62	− 1 21.0	1.210	2.134	12.1	20.3
2 11	10 6.77	− 0 44.7	1.157	2.120	7.8	20.0
2 21	9 57.60	+ 0 15.8	1.128	2.106	5.3	19.8
3 2	9 48.55	+ 1 33.5	1.124	2.093	7.9	19.9
3 12	9 41.11	+ 2 57.9	1.145	2.080	12.5	20.1
3 22	9 36.36	+ 4 18.6	1.187	2.068	17.1	20.4

419505 2010 FG_{98} 2 17.5 45°.28 3°.6/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.13	+20 20.2	2.068	2.886	12.8	20.9
1 22	10 20.87	+21 10.5	1.995	2.891	9.7	20.7
2 1	10 14.43	+22 4.7	1.947	2.896	6.4	20.5
2 11	10 6.46	+22 56.4	1.927	2.901	3.8	20.4
2 21	9 57.85	+23 39.3	1.935	2.906	4.5	20.4
3 2	9 49.61	+24 8.5	1.971	2.911	7.5	20.6
3 12	9 42.69	+24 21.4	2.034	2.917	10.7	20.8
3 22	9 37.76	+24 17.9	2.119	2.922	13.6	21.0

121110 1999 GO_{12} 2 17.5 201°.38 0°.2/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.41	+ 8 56.7	2.029	2.815	14.2	20.6
1 22	10 23.46	+ 9 24.9	1.935	2.811	11.0	20.4
2 1	10 16.20	+10 6.3	1.864	2.807	7.2	20.1
2 11	10 7.23	+10 57.0	1.821	2.801	3.0	19.8
2 21	9 57.42	+11 51.6	1.808	2.795	1.5	19.7
3 2	9 47.81	+12 44.0	1.824	2.788	5.9	20.0
3 12	9 39.47	+13 29.0	1.869	2.780	10.0	20.2
3 22	9 33.15	+14 2.9	1.937	2.772	13.5	20.4

223245 2003 FR_{32} 2 17.5 319°.37 4°.3/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.99	− 3 27.2	1.778	2.537	16.9	20.3
1 22	10 18.08	− 3 3.2	1.684	2.531	13.9	20.0
2 1	10 12.87	− 2 13.0	1.610	2.526	10.4	19.8
2 11	10 5.93	− 0 57.8	1.561	2.521	6.6	19.6
2 21	9 58.11	+ 0 37.8	1.538	2.515	4.3	19.4
3 2	9 50.48	+ 2 25.8	1.543	2.511	6.3	19.5
3 12	9 44.12	+ 4 16.2	1.576	2.506	10.1	19.7
3 22	9 39.81	+ 6 0.0	1.633	2.502	13.9	19.9

204664 2006 DA_{4} 2 17.5 333°.43 2°.0/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.54	+ 5 28.8	1.146	1.976	20.2	19.9
1 22	10 18.19	+ 5 39.2	1.061	1.958	16.1	19.6
2 1	10 13.61	+ 6 15.0	0.994	1.942	11.0	19.2
2 11	10 6.43	+ 7 13.8	0.948	1.927	5.3	18.8
2 21	9 57.80	+ 8 28.7	0.926	1.913	2.4	18.6
3 2	9 49.36	+ 9 48.7	0.927	1.900	8.1	18.9
3 12	9 42.80	+11 2.3	0.951	1.889	14.0	19.2
3 22	9 39.31	+12 0.7	0.994	1.879	19.3	19.4

171384 2006 PY_{6} 2 17.5 239°.33 1°.2/16.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.07	+13 47.7	2.370	3.170	12.0	20.8
1 22	10 19.83	+14 20.6	2.279	3.165	9.1	20.6
2 1	10 13.69	+15 1.6	2.212	3.160	5.8	20.4
2 11	10 6.18	+15 46.3	2.173	3.154	2.4	20.1
2 21	9 58.02	+16 29.9	2.164	3.148	2.1	20.1
3 2	9 50.06	+17 7.6	2.185	3.142	5.6	20.3
3 12	9 43.15	+17 36.0	2.234	3.136	9.0	20.5
3 22	9 37.91	+17 52.9	2.307	3.130	12.0	20.7

237232 2008 VQ_{68} 2 17.5 272°.75 0°.9/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.45	+ 7 41.6	2.327	3.111	12.7	21.0
1 22	10 19.42	+ 7 55.0	2.226	3.099	9.9	20.8
2 1	10 13.47	+ 8 20.0	2.148	3.088	6.6	20.6
2 11	10 6.11	+ 8 54.0	2.098	3.076	3.0	20.4
2 21	9 58.04	+ 9 33.2	2.078	3.065	1.4	20.2
3 2	9 50.12	+10 13.2	2.087	3.053	5.0	20.4
3 12	9 43.20	+10 49.4	2.124	3.041	8.6	20.6
3 22	9 37.93	+11 18.6	2.187	3.030	11.8	20.8

186570 2002 YX_{27} 2 17.5 93°.15 2°.3/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.01	+ 4 11.8	1.859	2.635	15.7	20.1
1 22	10 23.07	+ 4 12.6	1.788	2.653	12.4	19.9
2 1	10 15.84	+ 4 29.4	1.739	2.671	8.5	19.7
2 11	10 7.04	+ 4 59.7	1.716	2.688	4.4	19.5
2 21	9 57.61	+ 5 39.2	1.721	2.706	2.4	19.4
3 2	9 48.63	+ 6 22.6	1.755	2.723	5.7	19.7
3 12	9 41.10	+ 7 4.1	1.817	2.739	9.5	19.9
3 22	9 35.70	+ 7 39.4	1.904	2.756	13.0	20.2

29416 1996 XX_5 2 17.5 59°.09 0°.8/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.27	+ 7 41.4	2.051	2.837	14.1	19.1
1 22	10 21.40	+ 7 59.3	1.995	2.870	10.8	19.0
2 1	10 14.57	+ 8 29.4	1.962	2.903	7.1	18.8
2 11	10 6.47	+ 9 7.9	1.957	2.935	3.1	18.6
2 21	9 57.96	+ 9 50.0	1.981	2.968	1.4	18.5
3 2	9 49.96	+10 30.8	2.034	3.000	5.1	18.9
3 12	9 43.30	+11 5.9	2.115	3.032	8.7	19.1
3 22	9 38.52	+11 32.6	2.221	3.064	11.7	19.4

124271 2001 QO_{19} 2 17.5 188°.63 1°.1/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.78	+ 6 22.8	1.902	2.683	15.2	20.6
1 22	10 23.87	+ 6 49.1	1.811	2.682	11.9	20.4
2 1	10 16.54	+ 7 31.5	1.743	2.681	8.0	20.1
2 11	10 7.41	+ 8 26.4	1.702	2.679	3.6	19.8
2 21	9 57.40	+ 9 28.2	1.690	2.677	1.6	19.7
3 2	9 47.64	+10 30.4	1.707	2.673	6.0	20.0
3 12	9 39.22	+11 26.6	1.752	2.669	10.2	20.2
3 22	9 32.97	+12 12.2	1.822	2.663	13.9	20.4

520100 2013 YF_{154} 2 17.5 100°.30 0°.6/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.04	+10 40.3	2.448	3.242	11.8	21.3
1 22	10 18.14	+11 30.1	2.369	3.251	9.0	21.1
2 1	10 12.51	+12 30.1	2.314	3.260	5.7	20.9
2 11	10 5.69	+13 36.0	2.289	3.270	2.2	20.7
2 21	9 58.34	+14 42.4	2.293	3.279	1.6	20.7
3 2	9 51.24	+15 44.1	2.327	3.287	5.1	20.9
3 12	9 45.13	+16 36.6	2.390	3.296	8.3	21.2
3 22	9 40.58	+17 17.4	2.479	3.305	11.2	21.4

140874 2001 VL_{17} 2 17.5 156°.32 3°.7/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.48	+22 40.8	2.614	3.425	10.7	20.1
1 22	10 19.99	+23 38.2	2.538	3.429	8.1	20.0
2 1	10 13.71	+24 37.4	2.489	3.432	5.6	19.8
2 11	10 6.17	+25 32.8	2.468	3.435	3.8	19.7
2 21	9 58.09	+26 19.2	2.476	3.438	4.5	19.7
3 2	9 50.27	+26 52.4	2.515	3.441	6.9	19.9
3 12	9 43.49	+27 10.3	2.580	3.443	9.5	20.1
3 22	9 38.32	+27 13.0	2.668	3.446	11.8	20.2

270402 2002 AV_{193} 2 17.5 47°.00 2°.1/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.57	+14 15.2	1.852	2.666	14.3	21.0
1 22	10 20.70	+15 9.3	1.773	2.668	10.8	20.8
2 1	10 14.49	+16 14.1	1.718	2.669	6.9	20.5
2 11	10 6.57	+17 23.2	1.689	2.670	3.0	20.3
2 21	9 57.86	+18 29.4	1.689	2.671	3.1	20.3
3 2	9 49.48	+19 25.5	1.718	2.672	7.1	20.5
3 12	9 42.47	+20 6.8	1.772	2.674	11.0	20.8
3 22	9 37.58	+20 31.1	1.850	2.675	14.4	21.0

384864 2012 SR_{30} 2 17.5 163°.80 0°.7/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.09	+ 8 54.2	2.669	3.444	11.5	21.2
1 22	10 21.05	+ 8 58.3	2.579	3.448	8.9	21.0
2 1	10 14.32	+ 9 10.9	2.514	3.452	5.9	20.9
2 11	10 6.41	+ 9 29.7	2.477	3.455	2.6	20.6
2 21	9 57.97	+ 9 51.6	2.471	3.458	1.2	20.5
3 2	9 49.77	+10 13.4	2.496	3.461	4.4	20.8
3 12	9 42.53	+10 32.1	2.550	3.463	7.6	21.0
3 22	9 36.80	+10 45.2	2.631	3.465	10.4	21.2

425601 2010 UN_{25} 2 17.5 149°.17 7°.3/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.76	+31 0.2	2.078	2.892	12.9	20.8
1 22	10 25.39	+32 29.2	2.017	2.899	10.4	20.6
2 1	10 17.47	+33 54.3	1.982	2.906	8.2	20.5
2 11	10 7.75	+35 5.9	1.974	2.913	7.3	20.4
2 21	9 57.27	+35 56.6	1.994	2.919	8.3	20.5
3 2	9 47.25	+36 21.8	2.041	2.925	10.5	20.6
3 12	9 38.84	+36 21.2	2.112	2.930	13.0	20.8
3 22	9 32.78	+35 57.7	2.203	2.934	15.3	21.0

67299 2000 GS_{95} 2 17.6 237°.81 1°.3/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.16	+13 59.9	2.323	3.117	12.4	19.6
1 22	10 23.11	+14 30.8	2.218	3.101	9.5	19.4
2 1	10 15.94	+15 10.0	2.138	3.084	6.1	19.2
2 11	10 7.17	+15 53.1	2.086	3.066	2.5	18.9
2 21	9 57.55	+16 35.2	2.064	3.048	2.3	18.8
3 2	9 48.05	+17 11.1	2.073	3.029	6.0	19.1
3 12	9 39.61	+17 37.1	2.110	3.009	9.6	19.2
3 22	9 32.99	+17 51.3	2.172	2.989	12.9	19.4

31908 2000 GP_{46} 2 17.6 212°.09 2°.8/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.71	+17 28.1	1.893	2.699	14.3	19.7
1 22	10 26.26	+18 9.8	1.803	2.692	11.0	19.4
2 1	10 18.17	+18 59.0	1.737	2.684	7.1	19.2
2 11	10 8.10	+19 48.9	1.698	2.676	3.5	18.9
2 21	9 57.06	+20 32.6	1.688	2.667	3.9	18.9
3 2	9 46.29	+21 3.9	1.708	2.657	7.7	19.1
3 12	9 37.01	+21 19.2	1.755	2.646	11.7	19.3
3 22	9 30.09	+21 18.0	1.824	2.635	15.2	19.5

433256 2012 WB_{29} 2 17.6 192°.52 2°.2/15.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 24.35	+18 41.0	3.022	3.821	9.7	21.6
1 22	10 19.63	+19 18.4	2.933	3.819	7.3	21.5
2 1	10 13.38	+19 59.1	2.871	3.817	4.8	21.3
2 11	10 6.03	+20 39.2	2.838	3.814	2.5	21.1
2 21	9 58.20	+21 14.8	2.836	3.811	2.8	21.2
3 2	9 50.56	+21 42.3	2.865	3.808	5.3	21.3
3 12	9 43.76	+21 59.6	2.922	3.804	7.9	21.5
3 22	9 38.33	+22 5.9	3.005	3.800	10.2	21.6

281058 2006 KZ_4 2 17.6 176°.80 0°.1/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.16	+10 12.2	2.520	3.307	11.7	22.1
1 22	10 19.74	+10 41.1	2.431	3.309	9.0	21.9
2 1	10 13.56	+11 19.6	2.366	3.310	5.8	21.7
2 11	10 6.14	+12 4.3	2.330	3.310	2.3	21.5
2 21	9 58.14	+12 50.7	2.324	3.311	1.3	21.4
3 2	9 50.36	+13 34.6	2.348	3.311	4.9	21.7
3 12	9 43.56	+14 11.9	2.401	3.310	8.2	21.9
3 22	9 38.31	+14 40.2	2.480	3.310	11.0	22.1

250256 2003 BG_{50} 2 17.6 115°.50 2°.6/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.78	+ 2 26.2	2.314	3.065	13.7	20.2
1 22	10 23.94	+ 2 22.4	2.241	3.089	10.9	20.1
2 1	10 16.20	+ 2 32.6	2.190	3.112	7.6	19.9
2 11	10 7.16	+ 2 54.9	2.168	3.135	4.3	19.7
2 21	9 57.64	+ 3 26.3	2.175	3.157	2.7	19.7
3 2	9 48.51	+ 4 2.7	2.214	3.178	5.0	19.9
3 12	9 40.59	+ 4 39.6	2.281	3.198	8.1	20.1
3 22	9 34.48	+ 5 13.2	2.375	3.217	11.0	20.3

119706 2001 XW_{183} 2 17.6 84°.88 3°.4/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.54	+17 19.1	1.936	2.749	13.8	19.9
1 22	10 22.67	+18 46.4	1.884	2.777	10.3	19.8
2 1	10 15.56	+20 20.4	1.857	2.806	6.7	19.6
2 11	10 6.93	+21 52.6	1.858	2.833	3.7	19.5
2 21	9 57.76	+23 14.8	1.888	2.860	4.4	19.6
3 2	9 49.12	+24 20.5	1.948	2.887	7.6	19.8
3 12	9 41.95	+25 6.4	2.034	2.913	10.9	20.0
3 22	9 36.89	+25 32.2	2.144	2.939	13.7	20.3

428997 2009 BU_{30} 2 17.6 119°.74 1°.0/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.27	+ 7 48.2	2.530	3.304	12.0	21.8
1 22	10 21.23	+ 7 48.6	2.448	3.315	9.4	21.7
2 1	10 14.44	+ 7 58.7	2.390	3.327	6.2	21.5
2 11	10 6.47	+ 8 15.9	2.361	3.338	2.9	21.3
2 21	9 58.00	+ 8 37.3	2.362	3.348	1.4	21.2
3 2	9 49.82	+ 8 59.6	2.393	3.359	4.5	21.4
3 12	9 42.69	+ 9 19.3	2.454	3.369	7.7	21.6
3 22	9 37.13	+ 9 34.0	2.540	3.379	10.5	21.8

298932 2004 TG_{176} 2 17.6 170°.18 2°.7/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.40	+ 1 32.2	2.119	2.874	14.7	21.3
1 22	10 23.29	+ 1 44.3	2.029	2.880	11.7	21.1
2 1	10 16.01	+ 2 13.6	1.961	2.884	8.3	20.9
2 11	10 7.18	+ 2 58.1	1.920	2.888	4.7	20.7
2 21	9 57.61	+ 3 53.9	1.908	2.890	2.8	20.6
3 2	9 48.29	+ 4 55.6	1.927	2.892	5.4	20.8
3 12	9 40.18	+ 5 56.8	1.974	2.893	9.1	21.0
3 22	9 33.99	+ 6 52.6	2.047	2.893	12.4	21.2

153979 2002 AQ_{111} 2 17.6 35°.87 0°.8/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.66	+11 31.3	1.811	2.619	14.8	20.2
1 22	10 20.79	+12 8.3	1.731	2.621	11.3	20.0
2 1	10 14.56	+12 57.8	1.675	2.623	7.3	19.7
2 11	10 6.62	+13 54.5	1.645	2.626	2.9	19.5
2 21	9 57.91	+14 51.9	1.643	2.629	2.1	19.4
3 2	9 49.53	+15 43.3	1.669	2.631	6.5	19.7
3 12	9 42.55	+16 23.4	1.722	2.634	10.6	20.0
3 22	9 37.70	+16 49.5	1.798	2.637	14.2	20.2

493033 2014 SK_{233} 2 17.6 228°.61 1°.3/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.99	+12 48.2	1.941	2.742	14.2	21.9
1 22	10 23.35	+13 28.4	1.846	2.732	10.9	21.7
2 1	10 16.28	+14 20.0	1.774	2.722	7.0	21.4
2 11	10 7.36	+15 17.9	1.730	2.710	2.8	21.2
2 21	9 57.49	+16 15.6	1.714	2.699	2.5	21.1
3 2	9 47.80	+17 6.4	1.728	2.686	6.7	21.3
3 12	9 39.42	+17 45.2	1.769	2.673	10.9	21.6
3 22	9 33.18	+18 9.4	1.834	2.660	14.5	21.8

170858 2004 FE_{121} 2 17.6 38°.65 9°.0/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.67	+37 35.7	2.070	2.881	13.1	19.5
1 22	10 24.67	+38 56.8	2.020	2.888	11.0	19.4
2 1	10 17.04	+40 8.0	1.993	2.895	9.4	19.3
2 11	10 7.58	+41 0.2	1.992	2.903	9.0	19.3
2 21	9 57.44	+41 26.9	2.016	2.910	10.0	19.4
3 2	9 47.90	+41 25.0	2.065	2.918	11.8	19.5
3 12	9 40.10	+40 55.9	2.137	2.926	13.9	19.7
3 22	9 34.78	+40 3.8	2.227	2.934	15.8	19.8

212343 2005 TV_{135} 2 17.6 240°.67 1°.6/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.64	+15 46.7	2.654	3.455	10.8	20.8
1 22	10 19.33	+16 18.9	2.561	3.448	8.2	20.6
2 1	10 13.30	+16 56.8	2.493	3.441	5.3	20.4
2 11	10 6.05	+17 36.5	2.454	3.434	2.3	20.2
2 21	9 58.21	+18 13.7	2.445	3.426	2.4	20.2
3 2	9 50.56	+18 44.3	2.466	3.419	5.4	20.4
3 12	9 43.84	+19 5.5	2.515	3.411	8.4	20.5
3 22	9 38.62	+19 15.9	2.590	3.403	11.1	20.7

58721 1998 DX_{14} 2 17.6 20°.51 4°.5/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.71	+24 41.1	2.017	2.833	13.2	17.6
1 22	10 24.42	+25 7.2	1.945	2.836	10.2	17.4
2 1	10 16.75	+25 32.3	1.897	2.840	7.0	17.2
2 11	10 7.45	+25 50.3	1.876	2.844	4.7	17.0
2 21	9 57.51	+25 55.7	1.883	2.848	5.3	17.1
3 2	9 48.06	+25 45.2	1.919	2.852	8.1	17.3
3 12	9 40.15	+25 18.3	1.980	2.857	11.3	17.5
3 22	9 34.46	+24 36.6	2.065	2.862	14.1	17.7

352702 2008 SS_{138} 2 17.6 242°.55 2°.7/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.62	+15 8.2	1.614	2.431	15.9	21.4
1 22	10 24.36	+16 2.8	1.525	2.421	12.2	21.2
2 1	10 17.20	+17 9.9	1.459	2.410	7.9	20.9
2 11	10 7.81	+18 22.2	1.418	2.398	3.6	20.6
2 21	9 57.24	+19 30.7	1.405	2.386	3.9	20.6
3 2	9 46.90	+20 26.8	1.420	2.374	8.4	20.8
3 12	9 38.18	+21 4.7	1.461	2.361	13.0	21.0
3 22	9 32.05	+21 22.4	1.522	2.348	17.0	21.3

424999 2009 CB_{58} 2 17.6 50°.94 3°.0/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.66	− 0 56.7	2.251	3.006	13.9	21.2
1 22	10 17.26	− 0 30.8	2.163	3.011	11.2	21.1
2 1	10 12.05	+ 0 13.8	2.098	3.017	8.1	20.9
2 11	10 5.56	+ 1 15.1	2.059	3.022	4.9	20.7
2 21	9 58.48	+ 2 29.0	2.048	3.028	3.0	20.6
3 2	9 51.62	+ 3 49.6	2.067	3.034	5.0	20.7
3 12	9 45.79	+ 5 10.3	2.114	3.040	8.2	20.9
3 22	9 41.57	+ 6 25.5	2.188	3.046	11.3	21.1

345550 2006 RP_{13} 2 17.6 34°.17 5°.0/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.09	− 4 20.5	2.149	2.887	15.0	20.6
1 22	10 18.45	− 4 35.1	2.062	2.891	12.4	20.4
2 1	10 12.87	− 4 30.2	1.996	2.896	9.5	20.2
2 11	10 5.91	− 4 5.9	1.954	2.901	6.7	20.1
2 21	9 58.30	− 3 24.4	1.939	2.906	5.0	20.0
3 2	9 50.93	− 2 30.0	1.953	2.912	6.1	20.0
3 12	9 44.65	− 1 28.7	1.994	2.917	8.8	20.2
3 22	9 40.10	− 0 26.6	2.060	2.923	11.7	20.4

120591 1995 SE_{51} 2 17.6 358°.87 0°.9/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.57	+ 7 38.7	1.886	2.680	14.8	20.0
1 22	10 20.63	+ 7 55.8	1.800	2.680	11.5	19.8
2 1	10 14.43	+ 8 27.1	1.737	2.679	7.7	19.6
2 11	10 6.58	+ 9 9.4	1.701	2.679	3.4	19.3
2 21	9 57.95	+ 9 57.4	1.692	2.679	1.5	19.2
3 2	9 49.60	+10 45.4	1.712	2.679	5.8	19.5
3 12	9 42.56	+11 27.7	1.759	2.680	9.9	19.7
3 22	9 37.56	+12 0.4	1.830	2.680	13.5	19.9

375045 2007 JV_{27} 2 17.6 243°.36 2°.1/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.07	+ 3 42.7	2.140	2.912	14.0	21.3
1 22	10 20.06	+ 3 53.7	2.042	2.905	11.1	21.1
2 1	10 13.99	+ 4 20.3	1.967	2.898	7.7	20.8
2 11	10 6.39	+ 5 0.3	1.918	2.890	4.1	20.6
2 21	9 58.04	+ 5 49.9	1.898	2.883	2.2	20.4
3 2	9 49.85	+ 6 44.1	1.908	2.875	5.3	20.6
3 12	9 42.75	+ 7 37.2	1.945	2.867	9.0	20.8
3 22	9 37.45	+ 8 24.3	2.007	2.859	12.4	21.0

495835 2000 SH_{347} 2 17.6 171°.84 5°.9/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.35	−17 37.0	3.896	4.499	10.6	22.9
1 22	10 17.81	−17 58.3	3.793	4.504	9.4	22.8
2 1	10 12.08	−18 4.1	3.710	4.508	8.1	22.7
2 11	10 5.50	−17 53.4	3.652	4.511	6.9	22.6
2 21	9 58.54	−17 26.5	3.621	4.513	6.0	22.5
3 2	9 51.67	−16 44.9	3.618	4.515	6.0	22.5
3 12	9 45.42	−15 51.7	3.644	4.517	6.7	22.6
3 22	9 40.18	−14 50.8	3.696	4.517	7.9	22.7

336030 2007 VH_{7} 2 17.6 93°.86 9°.4/28.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.79	−20 34.4	2.485	3.100	15.9	20.4
1 22	10 18.86	−21 21.3	2.399	3.109	14.3	20.3
2 1	10 13.08	−21 44.3	2.329	3.118	12.6	20.2
2 11	10 5.99	−21 40.3	2.281	3.127	10.9	20.0
2 21	9 58.28	−21 8.9	2.255	3.136	9.7	20.0
3 2	9 50.76	−20 12.1	2.255	3.145	9.4	20.0
3 12	9 44.26	−18 55.3	2.281	3.153	10.2	20.0
3 22	9 39.38	−17 25.5	2.331	3.162	11.6	20.1

379820 2011 KU_{43} 2 17.6 43°.69 5°.1/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 25.36	+23 30.0	1.964	2.788	13.2	21.0
1 22	10 21.26	+24 41.7	1.896	2.793	10.1	20.8
2 1	10 14.83	+25 55.8	1.852	2.797	7.0	20.6
2 11	10 6.73	+27 4.1	1.836	2.801	5.1	20.5
2 21	9 57.91	+27 59.2	1.847	2.806	6.1	20.5
3 2	9 49.48	+28 35.4	1.886	2.811	8.9	20.7
3 12	9 42.47	+28 50.4	1.950	2.815	12.0	20.9
3 22	9 37.60	+28 45.2	2.036	2.820	14.7	21.1

267070 1999 TH_{64} 2 17.6 94°.36 2°.0/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.42	+16 5.6	1.966	2.776	13.7	20.7
1 22	10 22.73	+16 32.2	1.886	2.777	10.5	20.5
2 1	10 15.73	+17 5.7	1.830	2.779	6.7	20.2
2 11	10 7.09	+17 40.8	1.801	2.781	3.0	20.0
2 21	9 57.72	+18 11.9	1.800	2.782	2.9	20.0
3 2	9 48.72	+18 34.2	1.828	2.784	6.7	20.2
3 12	9 41.09	+18 44.3	1.883	2.785	10.5	20.5
3 22	9 35.57	+18 41.5	1.962	2.787	13.7	20.7

340714 2006 SQ_{57} 2 17.6 124°.64 1°.5/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.36	+ 5 1.6	2.949	3.707	10.9	21.7
1 22	10 19.54	+ 5 7.9	2.867	3.723	8.5	21.5
2 1	10 13.26	+ 5 24.1	2.809	3.738	5.8	21.4
2 11	10 5.99	+ 5 48.4	2.781	3.753	3.0	21.2
2 21	9 58.33	+ 6 18.0	2.783	3.768	1.6	21.1
3 2	9 50.90	+ 6 49.9	2.816	3.782	3.9	21.3
3 12	9 44.33	+ 7 20.6	2.879	3.795	6.7	21.5
3 22	9 39.09	+ 7 47.6	2.969	3.808	9.2	21.7

383795 2007 WD_{48} 2 17.6 355°.97 10°.6/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.71	+39 57.1	1.843	2.657	14.3	19.9
1 22	10 25.21	+41 22.1	1.788	2.654	12.3	19.7
2 1	10 17.65	+42 35.0	1.756	2.651	10.9	19.6
2 11	10 7.92	+43 25.2	1.748	2.649	10.7	19.6
2 21	9 57.33	+43 45.1	1.764	2.648	11.7	19.7
3 2	9 47.39	+43 31.5	1.803	2.648	13.6	19.8
3 12	9 39.47	+42 46.3	1.863	2.648	15.8	19.9
3 22	9 34.38	+41 34.9	1.940	2.649	17.8	20.1

203268 2001 QW_{278} 2 17.6 116°.60 2°.5/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.98	+15 25.2	1.720	2.527	15.5	21.4
1 22	10 26.36	+16 18.1	1.657	2.547	11.7	21.2
2 1	10 18.11	+17 20.1	1.617	2.566	7.5	21.0
2 11	10 8.04	+18 23.6	1.605	2.585	3.4	20.8
2 21	9 57.29	+19 20.7	1.622	2.602	3.5	20.9
3 2	9 47.13	+20 5.0	1.667	2.620	7.6	21.1
3 12	9 38.71	+20 32.7	1.740	2.636	11.5	21.4
3 22	9 32.75	+20 43.3	1.834	2.651	14.9	21.7

343099 2009 DJ_{43} 2 17.6 25°.76 6°.5/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 41.12	+30 54.4	1.765	2.571	15.2	19.7
1 22	10 33.28	+30 53.5	1.701	2.581	12.1	19.5
2 1	10 22.46	+30 43.8	1.661	2.592	8.9	19.4
2 11	10 9.72	+30 17.8	1.647	2.604	6.7	19.3
2 21	9 56.48	+29 31.2	1.662	2.617	7.1	19.3
3 2	9 44.25	+28 23.4	1.706	2.630	9.7	19.5
3 12	9 34.28	+26 57.9	1.776	2.643	12.8	19.7
3 22	9 27.26	+25 20.1	1.869	2.658	15.7	19.9

501872 2014 WM_{339} 2 17.6 69°.87 5°.4/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.39	+21 34.8	1.731	2.560	14.4	20.9
1 22	10 21.60	+23 12.6	1.665	2.565	11.0	20.7
2 1	10 15.22	+24 56.2	1.624	2.571	7.6	20.5
2 11	10 6.95	+26 35.4	1.609	2.577	5.4	20.4
2 21	9 57.83	+28 0.1	1.623	2.583	6.6	20.5
3 2	9 49.11	+29 2.8	1.663	2.589	9.8	20.7
3 12	9 41.97	+29 39.9	1.728	2.595	13.2	20.9
3 22	9 37.22	+29 52.1	1.814	2.601	16.2	21.1

469634 2004 SZ_{19} 2 17.6 155°.82 6°.2/23.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.81	−10 45.0	1.567	2.276	20.8	23.0
1 22	10 27.44	− 9 52.7	1.480	2.289	17.5	22.8
2 1	10 19.11	− 8 21.9	1.412	2.301	13.5	22.5
2 11	10 8.57	− 6 12.7	1.368	2.312	9.3	22.3
2 21	9 56.98	− 3 32.1	1.352	2.321	6.4	22.2
3 2	9 45.78	− 0 33.1	1.366	2.328	7.7	22.3
3 12	9 36.34	+ 2 27.6	1.410	2.333	11.6	22.5
3 22	9 29.61	+ 5 15.4	1.480	2.337	15.7	22.8

431511 2007 TU_{179} 2 17.6 5°.15 2°.2/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.66	+ 4 24.0	1.598	2.400	16.7	20.3
1 22	10 17.22	+ 4 32.1	1.520	2.401	13.2	20.1
2 1	10 12.38	+ 4 59.3	1.463	2.403	9.1	19.8
2 11	10 5.81	+ 5 42.9	1.430	2.405	4.7	19.6
2 21	9 58.43	+ 6 37.7	1.424	2.409	2.4	19.4
3 2	9 51.40	+ 7 36.7	1.444	2.415	6.1	19.7
3 12	9 45.79	+ 8 32.6	1.490	2.421	10.4	20.0
3 22	9 42.36	+ 9 19.5	1.558	2.429	14.3	20.2

382750 2003 *DK* 2 17.6 305°.13 3°.1/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.39	+ 3 41.3	2.205	2.971	13.8	20.2
1 22	10 21.86	+ 3 7.5	2.096	2.953	11.2	20.0
2 1	10 15.21	+ 2 45.2	2.010	2.935	8.0	19.7
2 11	10 6.95	+ 2 34.3	1.950	2.916	4.7	19.5
2 21	9 57.83	+ 2 33.2	1.918	2.899	3.2	19.3
3 2	9 48.78	+ 2 39.6	1.916	2.881	5.6	19.5
3 12	9 40.78	+ 2 49.7	1.942	2.863	9.1	19.6
3 22	9 34.57	+ 3 0.0	1.993	2.846	12.4	19.8

143303 2003 AF_{40} 2 17.6 116°.88 4°.6/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.04	− 3 59.1	2.419	3.133	14.1	20.1
1 22	10 24.11	− 4 21.2	2.342	3.158	11.6	20.0
2 1	10 16.32	− 4 26.6	2.289	3.183	8.8	19.8
2 11	10 7.27	− 4 15.3	2.262	3.206	6.1	19.7
2 21	9 57.72	− 3 49.3	2.264	3.228	4.6	19.6
3 2	9 48.53	− 3 12.1	2.297	3.250	5.7	19.7
3 12	9 40.50	− 2 28.5	2.359	3.271	8.1	19.9
3 22	9 34.20	− 1 43.6	2.447	3.291	10.7	20.1

433220 2012 UZ_{139} 2 17.6 31°.08 2°.3/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.14	+18 41.4	2.281	3.086	12.2	21.2
1 22	10 22.97	+18 55.9	2.198	3.086	9.3	21.0
2 1	10 15.74	+19 13.7	2.140	3.087	6.0	20.8
2 11	10 7.08	+19 30.2	2.110	3.088	2.9	20.6
2 21	9 57.82	+19 41.2	2.110	3.089	3.1	20.6
3 2	9 48.89	+19 43.2	2.140	3.091	6.2	20.8
3 12	9 41.21	+19 34.5	2.197	3.092	9.5	21.0
3 22	9 35.40	+19 14.8	2.279	3.093	12.4	21.2

52417 1994 GG_4 2 17.6 53°.93 0°.1/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.95	+ 9 35.6	2.043	2.840	13.7	20.0
1 22	10 19.92	+ 9 58.8	1.968	2.850	10.6	19.8
2 1	10 13.83	+10 33.7	1.916	2.860	6.9	19.6
2 11	10 6.32	+11 16.2	1.890	2.870	2.8	19.4
2 21	9 58.21	+12 1.4	1.894	2.881	1.4	19.3
3 2	9 50.45	+12 44.0	1.926	2.891	5.5	19.6
3 12	9 43.92	+13 19.5	1.986	2.902	9.2	19.8
3 22	9 39.25	+13 45.0	2.070	2.913	12.4	20.0

367547 2009 RU_{55} 2 17.6 142°.90 0°.1/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.18	+ 9 42.0	2.375	3.159	12.4	22.6
1 22	10 21.34	+10 16.7	2.295	3.171	9.5	22.4
2 1	10 14.63	+11 1.9	2.239	3.181	6.2	22.2
2 11	10 6.62	+11 53.7	2.211	3.191	2.5	22.0
2 21	9 58.06	+12 47.2	2.214	3.201	1.3	21.9
3 2	9 49.78	+13 37.4	2.247	3.210	5.1	22.2
3 12	9 42.60	+14 20.2	2.309	3.218	8.5	22.4
3 22	9 37.10	+14 52.8	2.397	3.226	11.4	22.6

95928 Tonycook 2 17.6 248°.68 0°.4/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.26	+ 6 34.0	2.159	2.944	13.5	19.9
1 22	10 19.51	+ 7 24.5	2.057	2.931	10.5	19.7
2 1	10 13.71	+ 8 31.3	1.978	2.919	7.0	19.4
2 11	10 6.34	+ 9 50.7	1.927	2.906	3.0	19.1
2 21	9 58.16	+11 16.7	1.905	2.892	1.4	19.0
3 2	9 50.08	+12 42.1	1.914	2.879	5.5	19.3
3 12	9 43.04	+14 0.2	1.951	2.865	9.5	19.5
3 22	9 37.77	+15 6.2	2.013	2.851	12.9	19.7

326026 2010 XV_{10} 2 17.6 113°.94 1°.0/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.29	+ 6 4.8	2.160	2.935	13.8	21.0
1 22	10 22.26	+ 6 37.7	2.089	2.957	10.7	20.8
2 1	10 15.24	+ 7 24.4	2.041	2.977	7.1	20.6
2 11	10 6.86	+ 8 21.2	2.021	2.998	3.2	20.4
2 21	9 57.95	+ 9 22.9	2.030	3.017	1.4	20.3
3 2	9 49.42	+10 23.6	2.071	3.036	5.1	20.6
3 12	9 42.14	+11 18.2	2.139	3.054	8.7	20.9
3 22	9 36.71	+12 3.1	2.234	3.072	11.8	21.1

402099 2003 WN_{13} 2 17.6 112°.34 0°.4/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.44	+ 8 41.6	1.869	2.657	15.1	22.2
1 22	10 24.20	+ 9 6.2	1.799	2.676	11.7	22.0
2 1	10 16.63	+ 9 44.1	1.752	2.694	7.6	21.8
2 11	10 7.45	+10 30.9	1.732	2.712	3.2	21.6
2 21	9 57.64	+11 20.8	1.741	2.729	1.5	21.5
3 2	9 48.30	+12 7.9	1.780	2.745	5.9	21.8
3 12	9 40.45	+12 47.1	1.846	2.761	9.9	22.1
3 22	9 34.77	+13 15.5	1.937	2.776	13.3	22.3

49395 1998 XW_{32} 2 17.6 121°.18 4°.9/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.15	− 3 1.5	2.095	2.827	15.5	18.9
1 22	10 23.79	− 3 29.2	2.015	2.843	12.8	18.7
2 1	10 16.31	− 3 38.7	1.957	2.859	9.6	18.6
2 11	10 7.32	− 3 29.9	1.925	2.874	6.6	18.4
2 21	9 57.70	− 3 4.6	1.921	2.888	4.9	18.3
3 2	9 48.42	− 2 26.9	1.946	2.902	6.3	18.4
3 12	9 40.43	− 1 42.2	1.999	2.916	9.1	18.6
3 22	9 34.38	− 0 56.2	2.077	2.928	12.0	18.8

462382 2008 SW_{140} 2 17.6 215°.22 2°.4/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.26	+ 2 58.9	2.523	3.278	12.6	21.4
1 22	10 21.42	+ 2 54.2	2.419	3.270	10.1	21.2
2 1	10 14.74	+ 3 2.2	2.339	3.262	7.1	21.0
2 11	10 6.70	+ 3 21.5	2.286	3.254	4.0	20.8
2 21	9 58.00	+ 3 49.8	2.263	3.245	2.5	20.7
3 2	9 49.42	+ 4 23.6	2.270	3.235	4.8	20.8
3 12	9 41.78	+ 4 58.5	2.307	3.225	8.0	21.0
3 22	9 35.71	+ 5 31.0	2.370	3.214	11.0	21.2

186001 2001 QM_{17} 2 17.6 84°.94 2°.5/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.59	+16 42.1	1.835	2.643	14.6	20.3
1 22	10 25.05	+17 23.7	1.778	2.669	11.0	20.2
2 1	10 17.13	+18 11.6	1.746	2.695	7.0	20.0
2 11	10 7.62	+18 59.3	1.741	2.720	3.3	19.8
2 21	9 57.59	+19 40.2	1.764	2.744	3.5	19.9
3 2	9 48.17	+20 9.3	1.817	2.769	7.1	20.1
3 12	9 40.39	+20 23.8	1.897	2.792	10.7	20.4
3 22	9 34.89	+20 23.7	1.999	2.816	13.8	20.6

430504 2001 UW_{173} 2 17.6 125°.37 3°.5/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.76	− 2 46.9	2.800	3.527	12.1	21.8
1 22	10 18.46	− 2 43.3	2.714	3.540	9.9	21.7
2 1	10 12.65	− 2 24.8	2.650	3.553	7.4	21.5
2 11	10 5.80	− 1 52.3	2.614	3.566	4.9	21.4
2 21	9 58.50	− 1 8.2	2.606	3.578	3.5	21.3
3 2	9 51.42	− 0 16.2	2.630	3.590	4.6	21.4
3 12	9 45.20	+ 0 39.3	2.682	3.601	7.0	21.5
3 22	9 40.33	+ 1 33.8	2.761	3.612	9.4	21.7

126198 2002 AG_{36} 2 17.6 240°.54 4°.1/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.02	+18 2.8	1.530	2.356	16.1	19.9
1 22	10 23.99	+19 9.7	1.453	2.353	12.3	19.6
2 1	10 17.00	+20 26.7	1.398	2.350	8.1	19.4
2 11	10 7.76	+21 44.5	1.369	2.346	4.5	19.1
2 21	9 57.46	+22 53.1	1.368	2.342	5.3	19.2
3 2	9 47.53	+23 44.0	1.393	2.339	9.4	19.4
3 12	9 39.36	+24 12.5	1.442	2.335	13.7	19.6
3 22	9 33.91	+24 18.3	1.512	2.331	17.4	19.9

365152 2009 DB_{75} 2 17.6 1°.50 0°.5/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.26	+11 34.1	1.222	2.055	19.0	20.6
1 22	10 22.31	+11 43.4	1.151	2.053	14.7	20.3
2 1	10 16.09	+12 8.0	1.099	2.052	9.6	20.0
2 11	10 7.44	+12 42.7	1.070	2.052	3.8	19.7
2 21	9 57.65	+13 19.9	1.066	2.053	2.3	19.6
3 2	9 48.38	+13 51.8	1.087	2.055	8.1	19.9
3 12	9 41.14	+14 12.1	1.131	2.058	13.4	20.2
3 22	9 36.90	+14 17.8	1.195	2.062	18.0	20.5

498959 2009 BN_{94} 2 17.6 72°.91 0°.4/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.46	+ 8 37.4	2.245	3.038	12.8	21.1
1 22	10 17.92	+ 9 41.4	2.163	3.045	9.8	20.9
2 1	10 12.53	+10 59.0	2.107	3.052	6.3	20.7
2 11	10 5.82	+12 25.3	2.078	3.059	2.5	20.5
2 21	9 58.52	+13 53.8	2.079	3.066	1.6	20.4
3 2	9 51.45	+15 17.7	2.111	3.073	5.4	20.7
3 12	9 45.44	+16 31.2	2.171	3.080	8.9	20.9
3 22	9 41.08	+17 30.8	2.256	3.087	12.0	21.1

365342 2009 SR_{243} 2 17.6 192°.80 4°.2/21.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.98	− 2 3.9	2.382	3.115	13.8	21.9
1 22	10 22.06	− 2 21.9	2.283	3.113	11.4	21.8
2 1	10 15.20	− 2 24.1	2.206	3.111	8.5	21.6
2 11	10 6.92	− 2 10.5	2.156	3.108	5.7	21.4
2 21	9 57.94	− 1 42.9	2.134	3.105	4.2	21.3
3 2	9 49.12	− 1 4.5	2.142	3.101	5.6	21.4
3 12	9 41.32	− 0 20.4	2.179	3.096	8.4	21.5
3 22	9 35.19	+ 0 24.6	2.241	3.091	11.4	21.7

292814 2006 UT_{254} 2 17.6 173°.28 1°.7/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.54	+ 3 28.6	2.987	3.742	10.8	22.0
1 22	10 18.26	+ 3 41.3	2.892	3.745	8.6	21.9
2 1	10 12.53	+ 4 5.2	2.821	3.747	5.9	21.7
2 11	10 5.78	+ 4 38.5	2.778	3.748	3.2	21.5
2 21	9 58.56	+ 5 18.5	2.766	3.750	1.8	21.4
3 2	9 51.50	+ 6 1.6	2.785	3.750	3.9	21.6
3 12	9 45.23	+ 6 44.3	2.833	3.751	6.7	21.7
3 22	9 40.21	+ 7 23.3	2.908	3.751	9.2	21.9

503141 2015 GL_{17} 2 17.6 67°.73 5°.0/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.73	+26 40.7	2.263	3.077	12.0	20.4
1 22	10 23.50	+27 22.2	2.195	3.082	9.4	20.3
2 1	10 16.12	+28 1.8	2.150	3.088	6.7	20.1
2 11	10 7.26	+28 33.2	2.134	3.094	5.0	20.0
2 21	9 57.83	+28 51.1	2.146	3.101	5.8	20.1
3 2	9 48.83	+28 52.1	2.187	3.107	8.1	20.2
3 12	9 41.21	+28 35.7	2.254	3.113	10.8	20.4
3 22	9 35.60	+28 3.3	2.343	3.119	13.3	20.6

364202 2006 QA_{81} 2 17.6 146°.90 0°.9/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.47	+12 38.1	2.739	3.531	10.8	22.0
1 22	10 19.10	+13 16.9	2.657	3.538	8.2	21.8
2 1	10 13.12	+14 3.2	2.599	3.545	5.2	21.7
2 11	10 6.03	+14 53.2	2.571	3.552	2.1	21.4
2 21	9 58.45	+15 42.6	2.573	3.558	1.7	21.4
3 2	9 51.10	+16 27.1	2.607	3.564	4.8	21.7
3 12	9 44.66	+17 3.5	2.669	3.570	7.8	21.8
3 22	9 39.65	+17 29.8	2.756	3.575	10.4	22.0

138739 2000 SF_{206} 2 17.6 96°.80 0°.6/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.51	+ 7 26.0	2.707	3.481	11.3	21.1
1 22	10 19.03	+ 7 51.2	2.634	3.502	8.7	20.9
2 1	10 13.01	+ 8 26.4	2.586	3.523	5.7	20.8
2 11	10 5.96	+ 9 8.6	2.566	3.544	2.5	20.6
2 21	9 58.51	+ 9 54.1	2.577	3.564	1.1	20.5
3 2	9 51.34	+10 38.8	2.618	3.584	4.2	20.7
3 12	9 45.12	+11 19.1	2.689	3.603	7.2	21.0
3 22	9 40.32	+11 52.3	2.786	3.622	9.8	21.2

496017 2008 KG_{32} 2 17.6 256°.17 0°.0/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.24	+ 8 37.8	1.955	2.751	14.3	21.4
1 22	10 20.47	+ 9 19.2	1.859	2.741	11.1	21.1
2 1	10 14.44	+10 15.8	1.786	2.730	7.3	20.9
2 11	10 6.70	+11 23.4	1.740	2.720	3.0	20.6
2 21	9 58.07	+12 35.7	1.722	2.709	1.6	20.4
3 2	9 49.60	+13 45.6	1.734	2.698	6.1	20.7
3 12	9 42.33	+14 46.7	1.773	2.687	10.2	20.9
3 22	9 37.05	+15 34.8	1.836	2.676	13.9	21.2

320929 2008 GT_{120} 2 17.6 344°.79 2°.7/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.08	+ 1 48.9	1.516	2.310	17.8	20.7
1 22	10 18.57	+ 2 14.8	1.430	2.305	14.3	20.4
2 1	10 13.44	+ 3 5.5	1.365	2.300	10.0	20.1
2 11	10 6.34	+ 4 18.3	1.323	2.296	5.4	19.9
2 21	9 58.26	+ 5 46.9	1.307	2.292	2.8	19.7
3 2	9 50.42	+ 7 21.9	1.318	2.289	6.6	19.9
3 12	9 44.07	+ 8 53.3	1.355	2.287	11.3	20.2
3 22	9 40.09	+10 12.7	1.415	2.285	15.5	20.4

45897 2000 XB_{28} 2 17.6 170°.98 3°.3/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.92	+18 52.3	1.903	2.713	14.1	19.7
1 22	10 25.56	+19 38.7	1.825	2.716	10.8	19.5
2 1	10 17.67	+20 30.9	1.771	2.719	7.0	19.2
2 11	10 7.97	+21 21.8	1.745	2.721	3.8	19.0
2 21	9 57.45	+22 4.4	1.747	2.722	4.3	19.1
3 2	9 47.34	+22 33.2	1.779	2.724	7.8	19.3
3 12	9 38.75	+22 45.2	1.837	2.724	11.5	19.5
3 22	9 32.46	+22 40.3	1.917	2.724	14.7	19.7

302842 2003 FQ_{66} 2 17.6 230°.11 3°.8/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.02	+18 40.3	1.777	2.592	14.7	21.0
1 22	10 25.25	+19 38.9	1.689	2.583	11.3	20.8
2 1	10 17.71	+20 45.7	1.623	2.572	7.5	20.5
2 11	10 8.07	+21 52.8	1.585	2.561	4.2	20.3
2 21	9 57.36	+22 51.7	1.575	2.549	4.9	20.3
3 2	9 46.89	+23 35.1	1.594	2.537	8.6	20.5
3 12	9 37.95	+23 58.7	1.638	2.524	12.7	20.7
3 22	9 31.47	+24 2.1	1.704	2.511	16.2	20.9

205452 2001 PH_{50} 2 17.6 107°.69 0°.9/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.16	+14 46.0	2.452	3.243	11.9	20.5
1 22	10 23.49	+14 51.6	2.376	3.256	9.1	20.4
2 1	10 15.96	+15 2.3	2.324	3.270	5.8	20.2
2 11	10 7.18	+15 14.8	2.302	3.283	2.3	20.0
2 21	9 57.91	+15 25.4	2.310	3.295	1.8	19.9
3 2	9 49.02	+15 31.0	2.350	3.308	5.2	20.2
3 12	9 41.31	+15 29.7	2.417	3.320	8.4	20.4
3 22	9 35.34	+15 20.5	2.511	3.333	11.2	20.6

425899 2011 FJ_{84} 2 17.6 306°.64 3°.7/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.34	+17 47.9	1.791	2.616	14.2	20.7
1 22	10 20.12	+18 57.3	1.700	2.600	10.9	20.4
2 1	10 14.39	+20 16.9	1.632	2.584	7.1	20.1
2 11	10 6.74	+21 38.9	1.591	2.567	4.0	19.9
2 21	9 58.07	+22 54.7	1.577	2.552	4.8	19.9
3 2	9 49.55	+23 55.9	1.592	2.536	8.6	20.1
3 12	9 42.40	+24 37.4	1.631	2.521	12.5	20.3
3 22	9 37.47	+24 57.4	1.692	2.506	16.0	20.5

522410 2016 CZ_{310} 2 17.6 236°.91 1°.9/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.88	+14 49.5	2.141	2.944	13.0	22.5
1 22	10 22.35	+15 36.0	2.043	2.931	9.9	22.2
2 1	10 15.59	+16 31.7	1.970	2.918	6.4	22.0
2 11	10 7.16	+17 31.5	1.925	2.905	2.8	21.7
2 21	9 57.86	+18 28.9	1.909	2.891	2.9	21.7
3 2	9 48.71	+19 17.9	1.923	2.877	6.6	21.9
3 12	9 40.72	+19 54.1	1.965	2.862	10.4	22.1
3 22	9 34.66	+20 15.4	2.030	2.846	13.7	22.3

178352 1996 EB_5 2 17.6 222°.28 0°.4/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.34	+ 8 14.4	2.197	2.980	13.3	21.1
1 22	10 21.82	+ 8 44.3	2.096	2.971	10.4	20.8
2 1	10 15.19	+ 9 27.3	2.020	2.961	6.9	20.6
2 11	10 6.98	+10 19.9	1.971	2.950	2.9	20.3
2 21	9 57.96	+11 17.1	1.952	2.939	1.3	20.2
3 2	9 49.08	+12 13.4	1.963	2.928	5.5	20.4
3 12	9 41.30	+13 3.3	2.003	2.915	9.3	20.7
3 22	9 35.33	+13 43.2	2.067	2.903	12.7	20.8

491044 2011 QB_{27} 2 17.6 195°.28 0°.1/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.37	+ 8 38.3	1.874	2.665	15.0	22.3
1 22	10 23.69	+ 9 22.9	1.783	2.662	11.7	22.1
2 1	10 16.55	+10 23.3	1.716	2.660	7.6	21.8
2 11	10 7.57	+11 34.6	1.676	2.656	3.1	21.6
2 21	9 57.67	+12 49.9	1.664	2.651	1.7	21.4
3 2	9 47.99	+14 1.7	1.683	2.646	6.3	21.7
3 12	9 39.67	+15 3.4	1.729	2.640	10.6	22.0
3 22	9 33.52	+15 50.8	1.799	2.633	14.4	22.2

134302 2634 $P\text{–}L$ 2 17.6 112°.53 2°.0/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.92	+ 2 7.4	2.698	3.450	11.9	21.1
1 22	10 19.36	+ 2 30.3	2.621	3.471	9.4	20.9
2 1	10 13.24	+ 3 6.4	2.567	3.491	6.6	20.8
2 11	10 6.08	+ 3 53.5	2.542	3.511	3.6	20.6
2 21	9 58.49	+ 4 48.1	2.547	3.530	2.0	20.5
3 2	9 51.17	+ 5 45.7	2.583	3.549	4.2	20.7
3 12	9 44.79	+ 6 41.9	2.648	3.567	7.1	20.9
3 22	9 39.82	+ 7 32.9	2.740	3.584	9.7	21.1

493755 2015 TA_{293} 2 17.6 84°.26 1°.8/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.77	+13 51.8	1.374	2.193	18.0	22.0
1 22	10 26.77	+14 26.4	1.315	2.211	13.7	21.8
2 1	10 18.66	+15 13.1	1.277	2.228	8.8	21.6
2 11	10 8.39	+16 4.2	1.264	2.245	3.6	21.3
2 21	9 57.31	+16 51.3	1.277	2.261	3.1	21.3
3 2	9 46.96	+17 27.1	1.318	2.278	8.1	21.7
3 12	9 38.70	+17 47.2	1.383	2.294	12.8	22.0
3 22	9 33.35	+17 50.6	1.470	2.311	16.7	22.2

112700 2002 PY_{104} 2 17.6 303°.14 6°.0/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.13	− 1 1.4	1.543	2.315	18.6	19.9
1 22	10 22.66	− 1 49.5	1.441	2.295	15.5	19.6
2 1	10 16.31	− 2 18.0	1.357	2.274	11.8	19.4
2 11	10 7.63	− 2 24.9	1.297	2.254	8.0	19.1
2 21	9 57.60	− 2 10.2	1.262	2.235	6.0	18.9
3 2	9 47.56	− 1 37.6	1.252	2.215	8.1	19.0
3 12	9 38.96	− 0 53.7	1.268	2.196	12.2	19.2
3 22	9 32.88	− 0 6.3	1.305	2.177	16.4	19.4

304839 2007 RO_{32} 2 17.6 111°.91 1°.1/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.00	+11 29.3	1.787	2.588	15.2	21.3
1 22	10 24.03	+12 19.7	1.720	2.606	11.6	21.1
2 1	10 16.63	+13 22.7	1.677	2.624	7.4	20.9
2 11	10 7.53	+14 31.8	1.660	2.641	2.9	20.6
2 21	9 57.76	+15 39.7	1.673	2.658	2.3	20.6
3 2	9 48.47	+16 39.2	1.715	2.674	6.6	20.9
3 12	9 40.74	+17 25.3	1.784	2.690	10.7	21.2
3 22	9 35.26	+17 55.8	1.876	2.705	14.1	21.4

146405 2001 QJ_{185} 2 17.6 199°.17 3°.0/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.73	+ 1 21.5	2.253	3.007	13.9	20.7
1 22	10 22.00	+ 1 19.8	2.155	3.004	11.2	20.5
2 1	10 15.24	+ 1 33.6	2.079	3.000	8.1	20.2
2 11	10 7.00	+ 2 1.8	2.030	2.996	4.8	20.0
2 21	9 58.01	+ 2 41.4	2.010	2.991	3.0	19.9
3 2	9 49.19	+ 3 28.1	2.021	2.985	5.3	20.0
3 12	9 41.44	+ 4 16.7	2.059	2.979	8.7	20.2
3 22	9 35.46	+ 5 2.3	2.123	2.973	11.9	20.4

38189 1999 KT_{14} 2 17.6 225°.86 1°.5/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.87	+12 50.9	1.789	2.595	15.0	19.0
1 22	10 23.48	+13 35.0	1.699	2.588	11.5	18.7
2 1	10 16.51	+14 31.7	1.632	2.581	7.4	18.5
2 11	10 7.60	+15 35.1	1.592	2.573	3.0	18.2
2 21	9 57.70	+16 37.9	1.580	2.565	2.7	18.1
3 2	9 48.02	+17 32.7	1.597	2.556	7.2	18.4
3 12	9 39.78	+18 14.1	1.641	2.547	11.5	18.6
3 22	9 33.83	+18 39.3	1.707	2.537	15.2	18.8

1086 Nata 2 17.6 32°.80 1°.1/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.29	+ 8 0.9	2.230	3.014	13.2	14.5
1 22	10 20.84	+ 7 57.1	2.143	3.016	10.3	14.3
2 1	10 14.43	+ 8 3.8	2.081	3.019	6.9	14.1
2 11	10 6.64	+ 8 18.6	2.045	3.022	3.2	13.9
2 21	9 58.23	+ 8 38.5	2.039	3.025	1.5	13.7
3 2	9 50.09	+ 8 59.5	2.062	3.029	5.0	14.0
3 12	9 43.08	+ 9 17.9	2.113	3.032	8.6	14.2
3 22	9 37.83	+ 9 31.0	2.189	3.036	11.7	14.4

293811 2007 RU_{163} 2 17.6 224°.23 2°.3/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 27.18	+ 3 32.5	1.811	2.587	16.0	21.3
1 22	10 22.90	+ 3 44.7	1.714	2.580	12.8	21.1
2 1	10 16.12	+ 4 15.4	1.640	2.572	8.9	20.8
2 11	10 7.44	+ 5 2.5	1.591	2.564	4.7	20.6
2 21	9 57.77	+ 6 1.5	1.570	2.555	2.5	20.4
3 2	9 48.27	+ 7 5.6	1.577	2.545	6.1	20.6
3 12	9 40.10	+ 8 7.8	1.612	2.535	10.4	20.8
3 22	9 34.13	+ 9 2.2	1.671	2.525	14.4	21.0

500625 2012 UL_{154} 2 17.6 154°.76 2°.6/15.2 17

1 12	10 26.48	+19 14.1	2.399	3.206	11.6	21.5
1 22	10 21.67	+19 44.7	2.318	3.208	8.9	21.4
2 1	10 14.92	+20 18.9	2.262	3.209	5.8	21.2
2 11	10 6.82	+20 51.7	2.234	3.210	3.0	21.0
2 21	9 58.14	+21 18.4	2.236	3.212	3.4	21.0
3 2	9 49.76	+21 35.1	2.267	3.213	6.3	21.2
3 12	9 42.51	+21 39.7	2.326	3.214	9.4	21.4
3 22	9 37.01	+21 31.7	2.409	3.215	12.1	21.6

222772 2002 CT_{96} 2 17.6 57°.28 0°.3/17.4 18

1 12	10 22.95	+ 8 0.2	1.760	2.563	15.4	19.8
1 22	10 19.53	+ 9 2.1	1.688	2.574	11.8	19.6
2 1	10 13.80	+10 21.2	1.638	2.584	7.6	19.4
2 11	10 6.43	+11 51.4	1.615	2.595	3.0	19.1
2 21	9 58.34	+13 24.6	1.620	2.606	1.7	19.0
3 2	9 50.61	+14 52.2	1.653	2.618	6.3	19.4
3 12	9 44.27	+16 7.0	1.714	2.629	10.5	19.6
3 22	9 40.03	+17 5.0	1.798	2.641	14.0	19.9

58695 1998 BJ_{26} 2 17.6 9°.29 1°.3/16.8 18

1 12	10 25.57	+12 37.8	1.260	2.093	18.6	18.8
1 22	10 22.46	+13 1.4	1.191	2.093	14.3	18.5
2 1	10 16.16	+13 39.7	1.142	2.095	9.2	18.2
2 11	10 7.50	+14 26.2	1.116	2.098	3.7	17.9
2 21	9 57.78	+15 12.7	1.115	2.101	2.8	17.8
3 2	9 48.58	+15 50.7	1.140	2.105	8.3	18.2
3 12	9 41.39	+16 14.3	1.188	2.110	13.4	18.5
3 22	9 37.14	+16 21.1	1.256	2.116	17.8	18.7

305630 2009 BS_{9} 2 17.6 2°.72 2°.9/18.9 18

1 12	10 27.01	+ 7 22.9	1.170	1.992	20.4	19.1
1 22	10 23.77	+ 6 41.4	1.098	1.990	16.2	18.9
2 1	10 17.14	+ 6 16.5	1.044	1.989	11.1	18.6
2 11	10 7.94	+ 6 7.0	1.013	1.990	5.7	18.3
2 21	9 57.55	+ 6 9.6	1.006	1.992	3.1	18.1
3 2	9 47.66	+ 6 19.0	1.023	1.995	7.9	18.4
3 12	9 39.90	+ 6 29.0	1.064	1.999	13.2	18.7
3 22	9 35.28	+ 6 34.4	1.124	2.004	17.9	19.0

195601 2002 JU_{148} 2 17.6 243°.54 0°.8/16.9 17

1 12	10 26.11	+12 42.9	2.098	2.898	13.3	20.6
1 22	10 21.69	+13 6.3	2.007	2.893	10.2	20.4
2 1	10 15.12	+13 39.0	1.941	2.888	6.6	20.1
2 11	10 6.96	+14 16.9	1.902	2.883	2.6	19.9
2 21	9 58.06	+14 54.7	1.893	2.878	1.9	19.8
3 2	9 49.40	+15 27.6	1.912	2.873	5.9	20.1
3 12	9 41.94	+15 51.4	1.959	2.868	9.7	20.3
3 22	9 36.40	+16 4.1	2.030	2.862	13.0	20.5

173192 1998 NK_{1} 2 17.6 325°.69 1°.4/18.5 18

1 12	10 27.20	+ 7 38.1	1.578	2.379	16.9	20.4
1 22	10 23.17	+ 7 36.3	1.493	2.375	13.3	20.1
2 1	10 16.40	+ 7 49.9	1.429	2.371	9.0	19.9
2 11	10 7.57	+ 8 16.0	1.390	2.368	4.1	19.6
2 21	9 57.74	+ 8 49.8	1.378	2.365	1.9	19.4
3 2	9 48.23	+ 9 25.3	1.394	2.362	6.6	19.7
3 12	9 40.30	+ 9 56.3	1.435	2.360	11.3	19.9
3 22	9 34.86	+10 18.6	1.499	2.357	15.5	20.2

345546 2006 QE_{148} 2 17.6 170°.01 0°.4/17.1 17

1 12	10 23.46	+11 21.4	2.895	3.680	10.4	22.1
1 22	10 19.04	+11 53.2	2.806	3.683	8.0	21.9
2 1	10 13.08	+12 32.7	2.743	3.686	5.1	21.7
2 11	10 6.06	+13 16.6	2.708	3.689	2.0	21.5
2 21	9 58.55	+14 1.2	2.704	3.691	1.3	21.5
3 2	9 51.23	+14 42.6	2.732	3.692	4.4	21.7
3 12	9 44.76	+15 17.5	2.789	3.693	7.3	21.9
3 22	9 39.62	+15 43.9	2.871	3.694	9.9	22.1

496732 2016 GS_{209} 2 17.6 340°.46 0°.1/17.7 17

1 12	10 24.03	+ 8 55.5	1.795	2.597	15.1	21.0
1 22	10 20.42	+ 9 28.3	1.710	2.595	11.7	20.7
2 1	10 14.44	+10 16.1	1.648	2.593	7.7	20.5
2 11	10 6.73	+11 14.4	1.612	2.592	3.1	20.2
2 21	9 58.19	+12 16.9	1.603	2.591	1.6	20.1
3 2	9 49.91	+13 16.7	1.624	2.589	6.2	20.4
3 12	9 42.99	+14 7.5	1.670	2.588	10.5	20.6
3 22	9 38.20	+14 45.4	1.740	2.587	14.2	20.9

54458 2000 NM_{24} 2 17.6 268°.27 5°.2/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 28.77	− 1 15.2	1.998	2.743	15.7	19.3
1 22	10 23.99	− 2 1.3	1.889	2.726	13.1	19.0
2 1	10 16.81	− 2 31.9	1.802	2.710	9.9	18.8
2 11	10 7.74	− 2 45.5	1.740	2.692	6.8	18.6
2 21	9 57.63	− 2 42.7	1.705	2.675	5.2	18.4
3 2	9 47.54	− 2 25.6	1.700	2.657	6.9	18.5
3 12	9 38.61	− 1 59.1	1.721	2.639	10.2	18.6
3 22	9 31.71	− 1 28.6	1.767	2.621	13.7	18.8

114708 2003 GD_{4} 2 17.6 161°.24 3°.7/14.6 18

1 12	10 33.26	+20 38.2	2.087	2.890	13.3	20.6
1 22	10 27.12	+21 28.0	2.012	2.899	10.1	20.4
2 1	10 18.58	+22 21.4	1.962	2.906	6.7	20.2
2 11	10 8.34	+23 11.4	1.940	2.913	4.0	20.0
2 21	9 57.39	+23 51.4	1.948	2.918	4.5	20.1
3 2	9 46.86	+24 16.5	1.986	2.923	7.7	20.3
3 12	9 37.82	+24 24.7	2.051	2.927	11.0	20.5
3 22	9 30.98	+24 16.4	2.139	2.930	13.9	20.7

287090 2002 RF_{77} 2 17.6 113°.62 0°.5/17.2 18

1 12	10 31.17	+11 42.0	2.082	2.870	13.8	22.4
1 22	10 25.28	+12 4.0	2.014	2.893	10.6	22.2
2 1	10 17.24	+12 35.3	1.971	2.914	6.8	22.0
2 11	10 7.75	+13 11.4	1.955	2.935	2.7	21.8
2 21	9 57.73	+13 47.2	1.969	2.956	1.6	21.7
3 2	9 48.18	+14 18.2	2.014	2.975	5.7	22.0
3 12	9 40.05	+14 40.7	2.087	2.994	9.3	22.3
3 22	9 33.96	+14 53.1	2.185	3.013	12.4	22.5

400294 2007 TJ_{91} 2 17.6 189°.35 4°.3/21.3 17

1 12	10 27.92	− 2 32.7	2.177	2.912	14.9	22.2
1 22	10 23.00	− 2 37.5	2.079	2.911	12.3	22.0
2 1	10 15.94	− 2 23.7	2.003	2.910	9.2	21.8
2 11	10 7.32	− 1 51.5	1.953	2.907	6.0	21.6
2 21	9 57.90	− 1 3.5	1.931	2.904	4.3	21.5
3 2	9 48.65	− 0 4.3	1.939	2.900	5.9	21.6
3 12	9 40.53	+ 0 59.9	1.976	2.895	9.0	21.8
3 22	9 34.26	+ 2 2.9	2.038	2.889	12.2	22.0

243207 2007 US_{26} 2 17.6 234°.48 0°.8/16.9 18

1 12	10 27.17	+10 42.2	1.734	2.538	15.5	20.8
1 22	10 23.04	+11 25.3	1.643	2.530	12.0	20.5
2 1	10 16.29	+12 23.4	1.574	2.521	7.8	20.2
2 11	10 7.54	+13 31.3	1.531	2.512	3.1	19.9
2 21	9 57.77	+14 41.5	1.516	2.502	2.2	19.8
3 2	9 48.19	+15 46.2	1.531	2.493	7.0	20.1
3 12	9 40.04	+16 38.7	1.571	2.482	11.5	20.4
3 22	9 34.22	+17 15.4	1.634	2.472	15.4	20.6

383674 2007 TY_{210} 2 17.6 130°.56 1°.7/16.0 17

1 12	10 27.01	+16 37.2	2.436	3.236	11.7	21.5
1 22	10 21.99	+17 0.2	2.356	3.242	8.9	21.3
2 1	10 15.09	+17 27.9	2.302	3.249	5.7	21.1
2 11	10 6.90	+17 56.3	2.275	3.255	2.5	20.9
2 21	9 58.16	+18 20.9	2.279	3.261	2.5	20.9
3 2	9 49.74	+18 38.1	2.314	3.267	5.7	21.1
3 12	9 42.45	+18 45.5	2.376	3.272	8.8	21.4
3 22	9 36.86	+18 42.3	2.463	3.278	11.6	21.5

13907 1977 RS_{17} 2 17.6 113°.65 0°.4/18.0 18

1 12	10 24.00	+ 8 26.6	2.181	2.970	13.2	18.3
1 22	10 19.94	+ 8 51.1	2.096	2.973	10.2	18.1
2 1	10 13.90	+ 9 27.7	2.034	2.976	6.7	17.9
2 11	10 6.46	+10 13.0	2.000	2.979	2.9	17.7
2 21	9 58.37	+11 2.1	1.994	2.982	1.3	17.6
3 2	9 50.55	+11 50.1	2.019	2.984	5.2	17.8
3 12	9 43.84	+12 32.0	2.071	2.987	8.9	18.1
3 22	9 38.89	+13 4.6	2.148	2.989	12.1	18.3

508642 2017 TH_{10} 2 17.6 181°.26 7°.0/27.5 17

1 12	10 21.88	−18 45.5	3.216	3.825	12.6	22.3
1 22	10 17.80	−19 4.0	3.113	3.826	11.3	22.2
2 1	10 12.29	−19 3.3	3.029	3.827	9.7	22.1
2 11	10 5.76	−18 41.8	2.968	3.826	8.3	22.0
2 21	9 58.73	−17 59.7	2.932	3.826	7.2	21.9
3 2	9 51.83	−16 59.2	2.924	3.825	7.1	21.9
3 12	9 45.66	−15 44.4	2.944	3.824	7.9	21.9
3 22	9 40.71	−14 20.6	2.990	3.822	9.3	22.0

243619 1999 KK_{9} 2 17.6 239°.15 5°.3/13.4 18

1 12	10 31.99	+23 45.8	1.897	2.712	14.0	20.6
1 22	10 26.74	+24 48.6	1.807	2.697	10.9	20.3
2 1	10 18.70	+25 54.8	1.740	2.682	7.6	20.1
2 11	10 8.54	+26 55.8	1.701	2.667	5.4	19.9
2 21	9 57.28	+27 43.1	1.690	2.650	6.4	19.9
3 2	9 46.23	+28 10.3	1.707	2.633	9.5	20.1
3 12	9 36.72	+28 14.7	1.749	2.615	13.1	20.3
3 22	9 29.68	+27 57.6	1.814	2.597	16.3	20.4

418955 2009 FW_{51} 2 17.6 264°.65 0°.8/16.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 25.75	+10 26.3	1.758	2.563	15.3	21.7
1 22	10 22.00	+11 12.2	1.660	2.548	11.8	21.5
2 1	10 15.66	+12 14.0	1.584	2.532	7.7	21.2
2 11	10 7.32	+13 26.7	1.535	2.516	3.1	20.8
2 21	9 57.89	+14 42.7	1.513	2.499	2.2	20.7
3 2	9 48.56	+15 53.9	1.520	2.483	7.0	21.0
3 12	9 40.57	+16 53.1	1.554	2.466	11.6	21.2
3 22	9 34.84	+17 36.2	1.610	2.448	15.6	21.4

229626 2006 DQ_{148} 2 17.6 322°.59 0°.4/17.9 18

1 12	10 24.70	+ 8 59.0	1.975	2.770	14.2	20.6
1 22	10 20.72	+ 9 16.7	1.887	2.768	11.0	20.4
2 1	10 14.54	+ 9 47.1	1.822	2.766	7.2	20.1
2 11	10 6.76	+10 26.6	1.784	2.763	3.1	19.9
2 21	9 58.23	+11 10.3	1.774	2.761	1.4	19.7
3 2	9 49.94	+11 52.7	1.793	2.759	5.7	20.0
3 12	9 42.90	+12 28.9	1.840	2.758	9.7	20.3
3 22	9 37.82	+12 55.4	1.910	2.756	13.2	20.5

329847 2004 TW_{109} 2 17.6 127°.57 4°.1/13.5 18

1 12	10 29.11	+23 44.2	2.467	3.273	11.4	21.5
1 22	10 23.58	+24 41.4	2.403	3.289	8.7	21.4
2 1	10 16.10	+25 39.1	2.365	3.305	6.0	21.2
2 11	10 7.30	+26 31.0	2.355	3.321	4.2	21.1
2 21	9 57.99	+27 11.8	2.376	3.335	4.9	21.2
3 2	9 49.07	+27 37.5	2.427	3.349	7.3	21.4
3 12	9 41.39	+27 46.8	2.504	3.363	9.9	21.6
3 22	9 35.53	+27 40.4	2.605	3.376	12.2	21.8

199894 2007 FO_{37} 2 17.6 239°.96 1°.0/18.5 17

1 12	10 24.19	+ 6 35.2	2.080	2.866	13.9	21.1
1 22	10 20.26	+ 7 0.5	1.986	2.860	10.9	20.9
2 1	10 14.22	+ 7 40.5	1.915	2.855	7.3	20.6
2 11	10 6.64	+ 8 31.9	1.871	2.849	3.3	20.4
2 21	9 58.28	+ 9 29.9	1.856	2.843	1.4	20.2
3 2	9 50.11	+10 28.6	1.870	2.837	5.4	20.5
3 12	9 43.08	+11 22.2	1.912	2.831	9.3	20.7
3 22	9 37.89	+12 6.6	1.978	2.825	12.8	20.9

86379 2000 AY_{26} 2 17.6 67°.75 2°.8/19.2 18

1 12	10 31.42	+ 5 31.8	1.297	2.098	19.9	19.0
1 22	10 26.67	+ 5 9.9	1.233	2.112	15.7	18.7
2 1	10 18.73	+ 5 7.2	1.188	2.126	10.8	18.5
2 11	10 8.51	+ 5 21.3	1.166	2.141	5.6	18.2
2 21	9 57.36	+ 5 47.6	1.170	2.155	3.0	18.1
3 2	9 46.88	+ 6 19.5	1.200	2.170	7.3	18.4
3 12	9 38.51	+ 6 50.0	1.256	2.184	12.2	18.7
3 22	9 33.11	+ 7 13.8	1.332	2.199	16.5	19.0

401980 2002 VV_{42} 2 17.6 65°.31 3°.6/15.0 18

1 12	10 30.99	+17 58.9	1.546	2.367	16.3	21.6
1 22	10 25.74	+18 58.2	1.501	2.398	12.3	21.4
2 1	10 17.76	+20 3.8	1.479	2.429	7.9	21.2
2 11	10 7.99	+21 6.7	1.482	2.460	4.1	21.1
2 21	9 57.68	+21 58.7	1.514	2.490	4.6	21.2
3 2	9 48.18	+22 33.7	1.573	2.521	8.4	21.5
3 12	9 40.62	+22 49.4	1.658	2.551	12.1	21.8
3 22	9 35.66	+22 46.6	1.764	2.581	15.4	22.0

90602 4757 P–L 2 17.6 189°.82 1°.1/18.9 18

1 12	10 22.15	+ 5 30.0	2.724	3.494	11.4	20.6
1 22	10 18.17	+ 5 54.1	2.629	3.493	8.9	20.4
2 1	10 12.60	+ 6 29.9	2.558	3.492	6.0	20.2
2 11	10 5.91	+ 7 15.0	2.515	3.491	2.9	20.0
2 21	9 58.69	+ 8 5.7	2.503	3.489	1.3	19.9
3 2	9 51.63	+ 8 57.9	2.521	3.487	4.2	20.1
3 12	9 45.42	+ 9 47.2	2.568	3.486	7.3	20.3
3 22	9 40.58	+10 30.4	2.642	3.483	10.1	20.5

241787 2001 PE_{13} 2 17.6 60°.63 4°.0/20.4 18

1 12	10 33.01	+ 1 45.3	2.106	2.853	15.0	19.9
1 22	10 26.56	+ 0 51.6	2.039	2.881	12.1	19.8
2 1	10 18.01	+ 0 11.5	1.995	2.909	8.7	19.6
2 11	10 8.07	− 0 14.8	1.979	2.938	5.5	19.5
2 21	9 57.64	− 0 28.6	1.992	2.966	4.0	19.4
3 2	9 47.72	− 0 32.1	2.035	2.994	5.8	19.6
3 12	9 39.22	− 0 29.0	2.107	3.022	8.8	19.8
3 22	9 32.75	− 0 23.2	2.204	3.050	11.7	20.0

11326 Ladislavschmied 2 17.6 91°.46 1°.0/18.3 18

1 12	10 30.14	+ 8 23.6	1.666	2.461	16.5	18.2
1 22	10 25.08	+ 8 25.4	1.596	2.475	12.8	18.0
2 1	10 17.41	+ 8 40.9	1.547	2.488	8.5	17.8
2 11	10 7.92	+ 9 6.8	1.524	2.502	3.8	17.6
2 21	9 57.69	+ 9 37.9	1.528	2.516	1.7	17.4
3 2	9 47.97	+10 8.7	1.562	2.529	6.2	17.8
3 12	9 39.91	+10 34.1	1.622	2.542	10.6	18.0
3 22	9 34.26	+10 50.9	1.705	2.555	14.3	18.3

176371 2001 TK_{185} 2 17.6 112°.54 1°.3/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 24.50	+ 6 9.6	2.573	3.344	12.0	21.1
1 22	10 19.93	+ 6 19.9	2.492	3.357	9.3	20.9
2 1	10 13.70	+ 6 41.1	2.435	3.369	6.3	20.8
2 11	10 6.34	+ 7 10.8	2.406	3.382	3.0	20.6
2 21	9 58.50	+ 7 45.7	2.408	3.394	1.5	20.5
3 2	9 50.92	+ 8 21.9	2.439	3.406	4.4	20.7
3 12	9 44.32	+ 8 55.7	2.500	3.417	7.5	20.9
3 22	9 39.23	+ 9 24.1	2.586	3.428	10.3	21.1

419578 2010 RV_{67} 2 17.6 135°.40 2°.6/15.4 18

1 12	10 29.38	+17 24.5	2.076	2.881	13.3	22.3
1 22	10 24.11	+18 10.5	2.004	2.893	10.1	22.1
2 1	10 16.61	+19 2.4	1.956	2.904	6.5	21.9
2 11	10 7.56	+19 54.2	1.937	2.915	3.2	21.7
2 21	9 57.87	+20 39.6	1.947	2.925	3.5	21.7
3 2	9 48.58	+21 13.6	1.986	2.934	6.9	21.9
3 12	9 40.68	+21 33.1	2.053	2.943	10.3	22.2
3 22	9 34.83	+21 37.6	2.144	2.952	13.3	22.4

501356 2013 YU_{30} 2 17.6 109°.40 1°.3/18.9 18

1 12	10 24.53	+ 6 4.6	2.536	3.307	12.1	21.5
1 22	10 19.98	+ 6 15.5	2.455	3.320	9.4	21.4
2 1	10 13.74	+ 6 37.5	2.399	3.333	6.4	21.2
2 11	10 6.36	+ 7 8.3	2.371	3.346	3.1	21.0
2 21	9 58.49	+ 7 44.3	2.373	3.359	1.5	20.9
3 2	9 50.89	+ 8 21.7	2.405	3.371	4.4	21.1
3 12	9 44.29	+ 8 56.6	2.466	3.383	7.6	21.4
3 22	9 39.22	+ 9 25.9	2.553	3.395	10.4	21.6

329089 2011 BJ_{63} 2 17.6 168°.09 0°.2/17.4 16

1 12	10 27.13	+10 51.3	2.184	2.974	13.2	21.6
1 22	10 22.33	+11 13.1	2.098	2.977	10.1	21.4
2 1	10 15.46	+11 45.0	2.036	2.980	6.6	21.2
2 11	10 7.11	+12 23.1	2.002	2.982	2.6	21.0
2 21	9 58.10	+13 2.8	1.997	2.984	1.5	20.9
3 2	9 49.35	+13 39.2	2.022	2.985	5.5	21.1
3 12	9 41.79	+14 8.2	2.076	2.986	9.2	21.4
3 22	9 36.09	+14 27.4	2.154	2.987	12.4	21.6

241518 2009 EV_{12} 2 17.6 59°.67 1°.6/15.9 18

1 12	10 21.55	+11 43.7	2.201	3.005	12.6	20.4
1 22	10 18.09	+13 5.1	2.125	3.014	9.6	20.2
2 1	10 12.72	+14 38.4	2.074	3.023	6.0	20.0
2 11	10 6.00	+16 17.5	2.052	3.032	2.5	19.7
2 21	9 58.67	+17 54.9	2.059	3.042	2.6	19.8
3 2	9 51.60	+19 23.4	2.098	3.051	6.1	20.0
3 12	9 45.61	+20 37.6	2.164	3.061	9.5	20.2
3 22	9 41.33	+21 34.5	2.254	3.071	12.4	20.4

420888 2013 LB_{14} 2 17.6 252°.70 6°.0/22.4 17

1 12	10 26.57	− 6 3.6	2.102	2.823	15.8	21.8
1 22	10 22.27	− 6 25.6	1.987	2.803	13.4	21.6
2 1	10 15.70	− 6 27.1	1.891	2.782	10.5	21.4
2 11	10 7.33	− 6 6.5	1.821	2.761	7.7	21.2
2 21	9 57.93	− 5 24.5	1.777	2.739	6.0	21.0
3 2	9 48.50	− 4 24.7	1.762	2.716	7.1	21.0
3 12	9 40.09	− 3 13.5	1.774	2.692	10.0	21.1
3 22	9 33.57	− 1 58.2	1.812	2.668	13.3	21.3

119507 2001 UP_{131} 2 17.6 303°.40 3°.0/15.3 18

1 12	10 26.65	+17 23.0	1.719	2.540	14.9	19.7
1 22	10 22.68	+18 5.6	1.634	2.531	11.4	19.5
2 1	10 16.07	+18 56.5	1.572	2.523	7.4	19.2
2 11	10 7.47	+19 48.9	1.536	2.515	3.7	19.0
2 21	9 57.90	+20 35.2	1.528	2.506	4.1	19.0
3 2	9 48.63	+21 8.8	1.547	2.498	8.1	19.2
3 12	9 40.87	+21 25.6	1.591	2.491	12.2	19.4
3 22	9 35.49	+21 24.7	1.658	2.483	15.8	19.6

236059 2005 JH_{38} 2 17.6 209°.40 5°.7/24.7 17

1 12	10 21.46	−11 30.4	2.817	3.493	13.1	21.2
1 22	10 17.67	−11 29.1	2.711	3.488	11.3	21.1
2 1	10 12.31	−11 8.0	2.625	3.483	9.2	20.9
2 11	10 5.82	−10 26.7	2.564	3.478	7.1	20.8
2 21	9 58.76	− 9 26.5	2.530	3.472	5.8	20.7
3 2	9 51.82	− 8 10.8	2.526	3.467	6.0	20.7
3 12	9 45.68	− 6 45.1	2.550	3.461	7.7	20.8
3 22	9 40.86	− 5 15.3	2.601	3.454	9.9	20.9

202772 2007 TS 2 17.6 90°.29 5°.9/22.7 18

1 12	10 27.95	− 5 57.4	1.733	2.467	18.2	20.5
1 22	10 23.26	− 6 6.9	1.665	2.491	15.1	20.3
2 1	10 16.17	− 5 51.0	1.617	2.515	11.5	20.2
2 11	10 7.41	− 5 10.0	1.592	2.538	8.0	20.0
2 21	9 57.99	− 4 7.5	1.595	2.561	6.0	19.9
3 2	9 49.05	− 2 50.1	1.625	2.583	7.1	20.0
3 12	9 41.65	− 1 26.6	1.682	2.605	10.1	20.3
3 22	9 36.48	− 0 5.1	1.763	2.626	13.3	20.5

211899 2004 JV_{41} 2 17.6 267°.06 6°.8/24.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.29	−11 40.3	2.585	3.263	14.1	20.2
1 22	10 18.50	−12 13.0	2.477	3.253	12.2	20.1
2 1	10 12.97	−12 26.5	2.390	3.243	10.2	19.9
2 11	10 6.12	−12 19.2	2.326	3.232	8.2	19.8
2 21	9 58.60	−11 51.1	2.289	3.222	6.9	19.7
3 2	9 51.15	−11 4.5	2.279	3.211	7.1	19.6
3 12	9 44.55	−10 4.1	2.296	3.200	8.7	19.7
3 22	9 39.42	− 8 55.7	2.339	3.189	10.9	19.8

227578 2005 YJ_{252} 2 17.6 13°.49 1°.1/16.6 18

1 12	10 24.30	+12 1.7	1.855	2.664	14.5	20.9
1 22	10 20.57	+12 45.6	1.774	2.664	11.1	20.7
2 1	10 14.52	+13 41.7	1.716	2.665	7.1	20.4
2 11	10 6.79	+14 44.6	1.684	2.666	2.8	20.2
2 21	9 58.28	+15 47.5	1.681	2.667	2.3	20.1
3 2	9 50.07	+16 43.5	1.707	2.668	6.6	20.4
3 12	9 43.19	+17 27.4	1.759	2.669	10.6	20.6
3 22	9 38.40	+17 56.4	1.834	2.670	14.1	20.9

462675 2009 UA_{31} 2 17.6 106°.66 2°.9/20.1 18

1 12	10 24.98	+ 1 59.8	2.003	2.771	15.0	21.8
1 22	10 20.84	+ 2 3.2	1.918	2.776	12.0	21.6
2 1	10 14.58	+ 2 23.7	1.856	2.782	8.5	21.3
2 11	10 6.79	+ 2 59.4	1.820	2.788	4.8	21.1
2 21	9 58.31	+ 3 46.7	1.811	2.793	2.9	21.0
3 2	9 50.10	+ 4 40.1	1.832	2.799	5.5	21.2
3 12	9 43.12	+ 5 33.8	1.880	2.804	9.1	21.4
3 22	9 38.04	+ 6 22.4	1.953	2.810	12.5	21.6

389247 2009 FV_{33} 2 17.6 83°.19 2°.7/15.3 18

1 12	10 27.45	+19 36.5	2.344	3.150	11.9	21.4
1 22	10 22.39	+20 2.6	2.271	3.160	9.0	21.2
2 1	10 15.39	+20 31.5	2.223	3.170	5.9	21.0
2 11	10 7.05	+20 58.4	2.203	3.179	3.1	20.8
2 21	9 58.20	+21 18.7	2.213	3.189	3.4	20.9
3 2	9 49.72	+21 28.9	2.252	3.198	6.3	21.1
3 12	9 42.45	+21 27.2	2.319	3.208	9.3	21.3
3 22	9 37.00	+21 13.5	2.410	3.217	12.0	21.5

104710 2000 GR_{168} 2 17.6 12°.67 3°.4/20.9 18

1 12	10 21.67	− 0 40.2	2.070	2.830	14.8	19.0
1 22	10 18.30	− 0 26.8	1.981	2.831	12.0	18.8
2 1	10 12.94	+ 0 6.0	1.912	2.832	8.7	18.6
2 11	10 6.14	+ 0 56.7	1.870	2.833	5.3	18.4
2 21	9 58.64	+ 2 1.3	1.855	2.835	3.4	18.2
3 2	9 51.37	+ 3 14.1	1.869	2.836	5.4	18.4
3 12	9 45.20	+ 4 28.3	1.911	2.838	8.8	18.6
3 22	9 40.80	+ 5 37.7	1.978	2.840	12.1	18.8

360555 2003 SU_{354} 2 17.6 152°.32 1°.8/16.1 18

1 12	10 28.21	+13 29.9	1.904	2.708	14.3	21.5
1 22	10 23.47	+14 24.4	1.827	2.715	10.9	21.3
2 1	10 16.36	+15 29.9	1.773	2.721	7.0	21.0
2 11	10 7.54	+16 39.9	1.747	2.727	2.9	20.8
2 21	9 57.95	+17 47.3	1.750	2.733	2.9	20.8
3 2	9 48.71	+18 45.0	1.783	2.738	6.9	21.1
3 12	9 40.88	+19 28.4	1.842	2.742	10.7	21.3
3 22	9 35.20	+19 55.4	1.925	2.746	14.1	21.5

458942 2011 UC_{337} 2 17.6 152°.09 1°.7/16.2 18

1 12	10 28.80	+12 53.4	1.822	2.626	14.9	21.5
1 22	10 24.02	+13 49.1	1.745	2.633	11.4	21.3
2 1	10 16.77	+14 56.9	1.692	2.640	7.3	21.1
2 11	10 7.72	+16 10.2	1.666	2.647	3.0	20.8
2 21	9 57.87	+17 21.2	1.669	2.653	2.8	20.8
3 2	9 48.38	+18 22.6	1.702	2.658	7.0	21.1
3 12	9 40.37	+19 9.2	1.761	2.663	11.1	21.3
3 22	9 34.62	+19 38.9	1.843	2.667	14.5	21.6

89130 2001 UJ_{10} 2 17.6 30°.78 5°.6/22.9 18

1 12	10 22.16	− 5 57.2	2.147	2.875	15.3	19.2
1 22	10 18.59	− 6 18.5	2.060	2.881	12.8	19.0
2 1	10 13.08	− 6 19.7	1.995	2.887	10.0	18.8
2 11	10 6.19	− 6 0.3	1.953	2.893	7.3	18.7
2 21	9 58.65	− 5 22.1	1.938	2.899	5.6	18.6
3 2	9 51.34	− 4 29.1	1.951	2.906	6.4	18.7
3 12	9 45.12	− 3 27.4	1.991	2.913	8.9	18.8
3 22	9 40.63	− 2 23.4	2.056	2.920	11.7	19.0

451901 2014 JG_{73} 2 17.6 284°.88 0°.8/17.1 18

1 12	10 27.04	+10 46.1	1.363	2.183	18.1	21.5
1 22	10 23.65	+11 19.4	1.276	2.172	14.1	21.2
2 1	10 17.10	+12 10.5	1.210	2.161	9.2	20.9
2 11	10 8.04	+13 13.9	1.168	2.150	3.7	20.5
2 21	9 57.65	+14 20.8	1.152	2.139	2.4	20.4
3 2	9 47.50	+15 21.8	1.162	2.128	8.2	20.7
3 12	9 39.14	+16 8.8	1.197	2.117	13.5	21.0
3 22	9 33.68	+16 37.6	1.252	2.106	18.2	21.2

232373 2003 AF_{62} 2 17.6 35°.90 4°.5/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.30	+ 1 23.6	1.222	2.022	21.0	20.0
1 22	10 23.02	+ 1 3.5	1.154	2.030	16.9	19.7
2 1	10 16.55	+ 1 8.7	1.105	2.038	12.1	19.5
2 11	10 7.74	+ 1 38.4	1.078	2.047	7.2	19.2
2 21	9 57.86	+ 2 27.6	1.074	2.056	4.5	19.1
3 2	9 48.52	+ 3 28.3	1.096	2.066	7.7	19.3
3 12	9 41.19	+ 4 30.5	1.141	2.076	12.5	19.6
3 22	9 36.81	+ 5 25.9	1.208	2.087	17.0	19.9

426379 2013 PW_{15} 2 17.6 153°.11 0°.1/17.5 18

1 12	10 24.93	+ 8 31.5	2.533	3.312	11.9	22.4
1 22	10 20.38	+ 9 26.3	2.448	3.321	9.1	22.3
2 1	10 14.08	+10 33.0	2.389	3.330	5.9	22.1
2 11	10 6.56	+11 47.1	2.358	3.338	2.4	21.8
2 21	9 58.47	+13 3.5	2.359	3.345	1.3	21.8
3 2	9 50.61	+14 16.3	2.391	3.352	4.9	22.0
3 12	9 43.73	+15 20.8	2.452	3.358	8.1	22.2
3 22	9 38.39	+16 13.8	2.540	3.364	11.0	22.4

74534 1999 JA 2 17.6 53°.15 4°.4/13.7 18

1 12	10 26.64	+23 28.4	2.175	2.992	12.3	18.5
1 22	10 22.06	+24 17.5	2.103	2.996	9.5	18.3
2 1	10 15.33	+25 8.0	2.056	3.000	6.5	18.1
2 11	10 7.09	+25 53.1	2.036	3.003	4.5	18.0
2 21	9 58.22	+26 27.0	2.044	3.007	5.2	18.1
3 2	9 49.71	+26 45.4	2.082	3.011	7.9	18.2
3 12	9 42.52	+26 46.5	2.145	3.016	10.8	18.4
3 22	9 37.30	+26 31.1	2.231	3.020	13.5	18.6

182482 2001 SJ_{137} 2 17.6 91°.95 1°.8/19.2 18

1 12	10 26.89	+ 4 0.9	1.927	2.702	15.2	21.1
1 22	10 22.23	+ 4 23.4	1.858	2.723	12.0	20.9
2 1	10 15.41	+ 5 2.6	1.812	2.745	8.1	20.8
2 11	10 7.11	+ 5 55.0	1.792	2.766	4.1	20.5
2 21	9 58.22	+ 6 55.5	1.801	2.786	2.0	20.4
3 2	9 49.77	+ 7 57.6	1.839	2.807	5.4	20.7
3 12	9 42.68	+ 8 55.3	1.905	2.827	9.2	21.0
3 22	9 37.61	+ 9 44.1	1.996	2.846	12.5	21.2

148135 1999 TY_{272} 2 17.6 123°.90 2°.5/16.1 18

1 12	10 34.96	+16 18.6	1.573	2.382	16.6	20.2
1 22	10 28.99	+16 50.0	1.506	2.397	12.7	19.9
2 1	10 20.06	+17 29.4	1.462	2.411	8.1	19.7
2 11	10 9.06	+18 9.8	1.445	2.424	3.6	19.5
2 21	9 57.25	+18 43.6	1.455	2.437	3.6	19.5
3 2	9 46.10	+19 5.0	1.494	2.449	7.9	19.8
3 12	9 36.91	+19 11.0	1.559	2.461	12.2	20.1
3 22	9 30.49	+19 1.6	1.647	2.472	15.9	20.3

167027 2003 QB_{38} 2 17.6 158°.20 0°.1/17.6 18

1 12	10 28.60	+ 9 11.3	2.098	2.883	13.8	21.6
1 22	10 23.53	+ 9 49.2	2.015	2.891	10.7	21.4
2 1	10 16.29	+10 39.7	1.957	2.899	6.9	21.2
2 11	10 7.51	+11 38.5	1.926	2.905	2.8	20.9
2 21	9 58.02	+12 39.7	1.924	2.911	1.5	20.8
3 2	9 48.84	+13 37.3	1.954	2.917	5.6	21.1
3 12	9 40.92	+14 26.2	2.011	2.921	9.5	21.4
3 22	9 34.94	+15 3.4	2.094	2.925	12.8	21.6

133993 2004 US_{6} 2 17.6 49°.65 3°.7/20.3 18

1 12	10 25.59	+ 1 8.0	1.459	2.245	18.8	20.0
1 22	10 22.07	+ 1 8.2	1.382	2.250	15.1	19.8
2 1	10 15.77	+ 1 31.9	1.325	2.255	10.8	19.6
2 11	10 7.40	+ 2 17.6	1.291	2.260	6.2	19.3
2 21	9 58.07	+ 3 20.1	1.284	2.266	3.7	19.2
3 2	9 49.12	+ 4 31.5	1.303	2.272	6.9	19.4
3 12	9 41.85	+ 5 42.6	1.347	2.278	11.4	19.6
3 22	9 37.13	+ 6 45.9	1.414	2.284	15.5	19.9

497459 2005 YR_{81} 2 17.6 34°.45 4°.8/20.9 17

1 12	10 26.94	− 0 9.5	1.800	2.562	16.6	21.4
1 22	10 22.60	− 0 47.8	1.717	2.567	13.6	21.2
2 1	10 15.86	− 1 8.4	1.655	2.571	10.1	21.0
2 11	10 7.37	− 1 10.8	1.618	2.577	6.6	20.8
2 21	9 58.09	− 0 56.9	1.608	2.582	4.8	20.7
3 2	9 49.11	− 0 30.4	1.625	2.588	6.6	20.8
3 12	9 41.52	+ 0 2.8	1.669	2.593	10.0	21.0
3 22	9 36.09	+ 0 37.2	1.737	2.600	13.5	21.3

405251 2003 ST_{230} 2 17.6 194°.74 1°.3/16.5 17

1 12	10 29.58	+13 25.9	2.171	2.964	13.2	22.7
1 22	10 24.33	+14 5.7	2.079	2.962	10.1	22.5
2 1	10 16.87	+14 55.0	2.012	2.958	6.5	22.3
2 11	10 7.77	+15 48.7	1.974	2.954	2.7	22.0
2 21	9 57.88	+16 41.0	1.965	2.949	2.3	22.0
3 2	9 48.21	+17 26.2	1.987	2.943	6.2	22.2
3 12	9 39.76	+18 0.2	2.037	2.937	9.9	22.4
3 22	9 33.27	+18 21.0	2.112	2.929	13.2	22.6

292073 2006 RW_{20} 2 17.6 30°.53 2°.7/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 21.39	+ 0 48.4	2.245	3.007	13.7	20.9
1 22	10 17.93	+ 1 5.2	2.156	3.010	11.0	20.7
2 1	10 12.63	+ 1 39.1	2.089	3.013	7.9	20.6
2 11	10 6.01	+ 2 28.1	2.049	3.016	4.6	20.4
2 21	9 58.79	+ 3 28.4	2.037	3.019	2.7	20.2
3 2	9 51.77	+ 4 34.7	2.054	3.022	4.9	20.4
3 12	9 45.78	+ 5 41.1	2.100	3.025	8.2	20.6
3 22	9 41.40	+ 6 42.3	2.171	3.029	11.3	20.8

256697 Nahapetov 2 17.6 5°.81 3°.0/19.5 18

1 12	10 27.20	+ 4 30.3	1.530	2.322	17.8	20.3
1 22	10 23.24	+ 4 12.3	1.448	2.322	14.2	20.0
2 1	10 16.50	+ 4 12.2	1.387	2.322	9.9	19.8
2 11	10 7.70	+ 4 28.3	1.350	2.323	5.4	19.5
2 21	9 57.91	+ 4 56.8	1.339	2.324	3.1	19.4
3 2	9 48.47	+ 5 32.2	1.356	2.325	6.7	19.6
3 12	9 40.66	+ 6 7.8	1.398	2.326	11.2	19.9
3 22	9 35.37	+ 6 38.2	1.462	2.328	15.3	20.1

423624 2005 WZ_{156} 2 17.6 108°.60 0°.7/18.3 18

1 12	10 26.60	+ 6 31.4	2.250	3.025	13.3	21.8
1 22	10 21.72	+ 7 10.9	2.179	3.048	10.3	21.7
2 1	10 14.96	+ 8 3.7	2.133	3.070	6.8	21.5
2 11	10 6.91	+ 9 5.7	2.115	3.092	3.0	21.3
2 21	9 58.36	+10 11.6	2.126	3.114	1.3	21.2
3 2	9 50.17	+11 15.8	2.169	3.134	4.9	21.5
3 12	9 43.16	+12 13.0	2.240	3.154	8.4	21.7
3 22	9 37.90	+13 0.1	2.337	3.173	11.4	22.0

340837 2006 VC_{96} 2 17.6 62°.73 2°.5/16.2 18

1 12	10 31.05	+15 7.5	1.220	2.051	19.1	21.1
1 22	10 26.75	+15 41.3	1.158	2.060	14.6	20.8
2 1	10 18.99	+16 27.2	1.116	2.069	9.4	20.5
2 11	10 8.73	+17 17.1	1.098	2.079	4.1	20.3
2 21	9 57.43	+18 1.2	1.105	2.088	3.9	20.3
3 2	9 46.86	+18 31.6	1.138	2.098	9.1	20.6
3 12	9 38.57	+18 43.8	1.194	2.108	14.1	20.9
3 22	9 33.48	+18 37.3	1.270	2.118	18.4	21.2

137092 1998 XX_{68} 2 17.6 114°.89 3°.2/20.4 18

1 12	10 30.28	+ 0 51.0	2.217	2.962	14.4	20.4
1 22	10 24.51	+ 0 42.2	2.143	2.986	11.5	20.2
2 1	10 16.76	+ 0 49.0	2.092	3.009	8.3	20.1
2 11	10 7.64	+ 1 9.8	2.068	3.031	5.0	19.9
2 21	9 58.00	+ 1 41.7	2.073	3.052	3.2	19.8
3 2	9 48.75	+ 2 20.6	2.109	3.072	5.3	20.0
3 12	9 40.76	+ 3 1.4	2.174	3.092	8.4	20.2
3 22	9 34.63	+ 3 39.7	2.265	3.111	11.4	20.4

7519 Paulcook 2 17.6 120°.65 0°.0/17.7 18

1 12	10 23.59	+ 9 37.7	2.768	3.549	10.9	19.1
1 22	10 19.17	+10 6.9	2.689	3.563	8.4	19.0
2 1	10 13.21	+10 44.9	2.635	3.576	5.4	18.8
2 11	10 6.19	+11 28.4	2.609	3.589	2.2	18.6
2 21	9 58.73	+12 13.6	2.615	3.602	1.1	18.5
3 2	9 51.52	+12 56.5	2.651	3.614	4.3	18.8
3 12	9 45.20	+13 33.8	2.716	3.626	7.3	19.0
3 22	9 40.29	+14 3.0	2.808	3.638	9.9	19.2

284397 2006 TY_{91} 2 17.6 194°.02 3°.3/13.7 18

1 12	10 25.61	+23 5.4	3.056	3.859	9.5	21.7
1 22	10 20.72	+23 50.4	2.971	3.857	7.3	21.5
2 1	10 14.23	+24 36.5	2.912	3.854	5.0	21.4
2 11	10 6.63	+25 19.0	2.883	3.850	3.4	21.3
2 21	9 58.51	+25 53.8	2.885	3.847	3.9	21.3
3 2	9 50.59	+26 17.6	2.916	3.843	6.0	21.4
3 12	9 43.55	+26 28.5	2.976	3.838	8.4	21.6
3 22	9 37.92	+26 26.5	3.060	3.833	10.5	21.7

133957 2004 TL_{132} 2 17.6 50°.18 0°.3/17.5 18

1 12	10 30.47	+12 45.7	1.732	2.536	15.5	20.0
1 22	10 25.24	+12 37.9	1.663	2.549	11.9	19.8
2 1	10 17.49	+12 38.7	1.616	2.563	7.7	19.5
2 11	10 8.00	+12 44.3	1.596	2.577	3.1	19.3
2 21	9 57.85	+12 50.5	1.604	2.591	1.7	19.2
3 2	9 48.25	+12 53.3	1.641	2.605	6.3	19.5
3 12	9 40.29	+12 49.6	1.704	2.620	10.4	19.8
3 22	9 34.69	+12 38.0	1.791	2.635	14.0	20.1

308659 2006 BL_{128} 2 17.6 271°.47 0°.9/18.3 18

1 12	10 26.87	+ 7 1.8	1.663	2.459	16.4	21.4
1 22	10 23.11	+ 7 24.9	1.558	2.438	13.0	21.2
2 1	10 16.58	+ 8 6.4	1.474	2.417	8.8	20.9
2 11	10 7.84	+ 9 3.2	1.416	2.395	3.9	20.5
2 21	9 57.83	+10 9.3	1.385	2.372	1.7	20.3
3 2	9 47.81	+11 16.9	1.382	2.349	6.8	20.6
3 12	9 39.16	+12 18.0	1.405	2.326	11.8	20.8
3 22	9 32.91	+13 6.9	1.451	2.303	16.2	21.0

308769 2006 OB_{10} 2 17.6 87°.57 3°.7/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 30.30	− 0 11.4	2.588	3.317	12.9	20.7
1 22	10 24.24	− 0 49.5	2.513	3.342	10.5	20.6
2 1	10 16.45	− 1 14.8	2.461	3.367	7.7	20.4
2 11	10 7.50	− 1 27.5	2.438	3.391	5.1	20.3
2 21	9 58.11	− 1 28.8	2.445	3.416	3.7	20.3
3 2	9 49.07	− 1 21.2	2.483	3.440	5.1	20.4
3 12	9 41.13	− 1 7.9	2.550	3.463	7.6	20.6
3 22	9 34.81	− 0 52.5	2.644	3.486	10.1	20.8

459364 2012 JA_{14} 2 17.6 219°.77 0°.9/16.8 17

1 12	10 24.90	+11 21.7	2.010	2.811	13.8	21.5
1 22	10 20.92	+12 6.1	1.922	2.808	10.6	21.2
2 1	10 14.73	+13 2.8	1.858	2.805	6.8	21.0
2 11	10 6.94	+14 6.7	1.821	2.802	2.7	20.7
2 21	9 58.36	+15 11.5	1.813	2.799	2.0	20.7
3 2	9 50.01	+16 10.7	1.835	2.795	6.2	20.9
3 12	9 42.88	+16 58.9	1.883	2.792	10.1	21.2
3 22	9 37.70	+17 33.3	1.956	2.788	13.5	21.4

217331 2004 RE_{73} 2 17.6 113°.64 4°.8/13.7 18

1 12	10 32.06	+25 24.8	2.158	2.967	12.7	20.3
1 22	10 26.11	+26 8.6	2.095	2.981	9.8	20.1
2 1	10 17.89	+26 51.2	2.056	2.995	6.9	20.0
2 11	10 8.13	+27 25.8	2.045	3.009	4.9	19.9
2 21	9 57.82	+27 46.9	2.063	3.022	5.6	19.9
3 2	9 48.02	+27 51.0	2.110	3.035	8.1	20.1
3 12	9 39.74	+27 37.3	2.184	3.047	11.0	20.3
3 22	9 33.61	+27 7.8	2.281	3.059	13.5	20.5

17555 Kenkennedy 2 17.6 55°.98 3°.6/21.0 18

1 12	10 26.72	− 5 34.4	1.275	2.041	22.0	17.9
1 22	10 22.86	− 3 57.7	1.226	2.080	17.6	17.8
2 1	10 16.11	− 1 43.4	1.196	2.118	12.5	17.6
2 11	10 7.45	+ 1 0.8	1.190	2.157	7.0	17.4
2 21	9 58.18	+ 4 0.6	1.212	2.195	3.6	17.3
3 2	9 49.72	+ 6 58.9	1.263	2.234	6.8	17.6
3 12	9 43.26	+ 9 40.0	1.341	2.271	11.5	17.9
3 22	9 39.49	+11 54.6	1.444	2.309	15.5	18.3

143219 2002 YY_{3} 2 17.6 66°.03 12°.6/17.7 18

1 12	11 24.75	+ 1 59.7	1.244	1.932	26.2	18.8
1 22	11 9.78	− 2 13.6	1.140	1.937	22.4	18.5
2 1	10 48.36	− 6 37.6	1.063	1.943	17.7	18.2
2 11	10 21.26	−10 52.7	1.021	1.949	13.6	18.0
2 21	9 51.02	−14 31.2	1.018	1.955	12.9	18.0
3 2	9 21.55	−17 11.8	1.055	1.962	16.0	18.1
3 12	8 56.46	−18 52.7	1.125	1.968	20.4	18.4
3 22	8 37.63	−19 48.4	1.220	1.974	24.2	18.7

408173 2013 CT_{191} 2 17.7 240°.82 3°.0/15.1 18

1 12	10 27.25	+16 14.0	1.791	2.606	14.6	20.6
1 22	10 23.13	+17 17.5	1.702	2.597	11.2	20.3
2 1	10 16.41	+18 31.8	1.637	2.587	7.3	20.1
2 11	10 7.70	+19 49.6	1.599	2.578	3.6	19.8
2 21	9 57.99	+21 2.2	1.590	2.568	4.2	19.8
3 2	9 48.48	+22 1.8	1.608	2.557	8.1	20.0
3 12	9 40.39	+22 43.2	1.653	2.546	12.2	20.3
3 22	9 34.62	+23 4.5	1.720	2.535	15.8	20.5

175710 1996 SK_{7} 2 17.7 183°.11 5°.9/11.8 18

1 12	10 32.80	+30 27.1	2.525	3.326	11.3	19.9
1 22	10 26.61	+31 25.1	2.451	3.327	9.0	19.8
2 1	10 18.23	+32 19.5	2.402	3.327	6.9	19.6
2 11	10 8.31	+33 3.2	2.382	3.326	5.9	19.6
2 21	9 57.73	+33 30.7	2.392	3.325	6.6	19.6
3 2	9 47.52	+33 38.5	2.430	3.323	8.7	19.7
3 12	9 38.63	+33 26.2	2.494	3.320	11.0	19.9
3 22	9 31.75	+32 55.8	2.581	3.317	13.2	20.0

498883 2008 YK_{118} 2 17.7 11°.48 3°.5/14.1 17

1 12	10 22.79	+18 25.5	2.068	2.888	12.8	21.1
1 22	10 19.29	+19 41.1	1.992	2.889	9.7	20.9
2 1	10 13.66	+21 3.9	1.940	2.890	6.3	20.7
2 11	10 6.50	+22 26.7	1.916	2.891	3.7	20.6
2 21	9 58.62	+23 41.9	1.921	2.892	4.5	20.6
3 2	9 51.01	+24 43.0	1.955	2.894	7.6	20.8
3 12	9 44.61	+25 25.9	2.014	2.896	10.9	21.0
3 22	9 40.11	+25 49.6	2.097	2.898	13.8	21.2

169256 2001 SW_{147} 2 17.7 88°.16 0°.7/18.3 18

1 12	10 25.75	+ 8 40.3	2.324	3.107	12.7	20.2
1 22	10 21.11	+ 8 45.5	2.243	3.117	9.8	20.1
2 1	10 14.61	+ 9 0.7	2.187	3.127	6.5	19.9
2 11	10 6.83	+ 9 23.2	2.158	3.137	2.9	19.7
2 21	9 58.49	+ 9 49.4	2.159	3.146	1.3	19.5
3 2	9 50.46	+10 15.5	2.190	3.156	4.8	19.8
3 12	9 43.54	+10 37.7	2.249	3.166	8.2	20.0
3 22	9 38.31	+10 53.6	2.334	3.176	11.2	20.2

460054 2014 OE_{200} 2 17.7 175°.24 1°.5/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 30.10	+13 35.9	2.062	2.858	13.7	22.4
1 22	10 24.80	+14 16.4	1.978	2.861	10.5	22.2
2 1	10 17.20	+15 6.4	1.917	2.864	6.7	22.0
2 11	10 7.94	+16 0.6	1.885	2.866	2.8	21.8
2 21	9 57.91	+16 52.8	1.883	2.866	2.5	21.7
3 2	9 48.18	+17 37.2	1.910	2.867	6.4	22.0
3 12	9 39.77	+18 9.6	1.966	2.866	10.2	22.2
3 22	9 33.42	+18 28.2	2.045	2.865	13.5	22.4

259005 2002 TD_{104} 2 17.7 64°.75 0°.5/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.91	+12 46.3	1.557	2.364	16.8	20.6
1 22	10 26.56	+12 47.5	1.494	2.382	12.9	20.4
2 1	10 18.44	+12 58.8	1.453	2.400	8.3	20.2
2 11	10 8.43	+13 15.5	1.437	2.418	3.3	19.9
2 21	9 57.72	+13 32.1	1.450	2.436	1.9	19.9
3 2	9 47.68	+13 43.6	1.490	2.455	6.8	20.2
3 12	9 39.50	+13 46.6	1.557	2.473	11.2	20.5
3 22	9 33.93	+13 39.7	1.646	2.491	15.0	20.8

412218 2013 GM_{114} 2 17.7 280°.09 0°.9/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.94	+ 7 17.9	1.657	2.456	16.3	21.1
1 22	10 22.31	+ 7 36.5	1.559	2.440	12.9	20.9
2 1	10 16.01	+ 8 12.4	1.482	2.425	8.7	20.6
2 11	10 7.60	+ 9 2.4	1.430	2.409	3.9	20.2
2 21	9 58.05	+10 0.8	1.406	2.393	1.7	20.0
3 2	9 48.60	+11 0.3	1.409	2.377	6.6	20.3
3 12	9 40.56	+11 53.5	1.438	2.361	11.5	20.6
3 22	9 34.89	+12 35.1	1.490	2.345	15.7	20.8

279881 2001 PX_{50} 2 17.7 127°.22 0°.7/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.71	+ 9 23.6	2.804	3.570	11.2	21.0
1 22	10 23.73	+ 9 14.0	2.721	3.585	8.6	20.8
2 1	10 16.12	+ 9 11.6	2.663	3.599	5.7	20.7
2 11	10 7.40	+ 9 14.3	2.635	3.612	2.6	20.5
2 21	9 58.23	+ 9 19.7	2.639	3.626	1.2	20.4
3 2	9 49.37	+ 9 25.2	2.674	3.638	4.2	20.6
3 12	9 41.51	+ 9 28.6	2.740	3.651	7.2	20.8
3 22	9 35.17	+ 9 28.1	2.832	3.663	9.8	21.0

168458 1999 FK_{12} 2 17.7 149°.98 2°.7/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.65	+19 32.7	2.493	3.298	11.3	20.5
1 22	10 21.78	+20 6.9	2.413	3.302	8.6	20.3
2 1	10 15.04	+20 44.2	2.359	3.305	5.6	20.1
2 11	10 7.01	+21 20.0	2.333	3.309	3.1	19.9
2 21	9 58.42	+21 49.4	2.337	3.312	3.4	20.0
3 2	9 50.12	+22 8.8	2.371	3.315	6.2	20.2
3 12	9 42.92	+22 15.9	2.433	3.318	9.1	20.3
3 22	9 37.41	+22 10.5	2.519	3.321	11.7	20.5

26463 2000 AW_{137} 2 17.7 182°.31 0°.9/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.12	+ 9 41.4	2.067	2.861	13.7	18.1
1 22	10 21.04	+10 52.7	1.979	2.861	10.5	17.9
2 1	10 14.81	+12 19.0	1.916	2.862	6.7	17.7
2 11	10 6.99	+13 54.4	1.881	2.862	2.7	17.4
2 21	9 58.40	+15 31.4	1.876	2.861	2.1	17.4
3 2	9 50.01	+17 2.0	1.901	2.860	6.2	17.7
3 12	9 42.80	+18 19.6	1.954	2.858	10.0	17.9
3 22	9 37.48	+19 20.7	2.032	2.856	13.4	18.1

471648 2012 TP_{99} 2 17.7 1°.16 5°.1/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.30	− 1 35.8	1.804	2.568	16.5	19.8
1 22	10 19.11	− 2 8.1	1.718	2.567	13.6	19.6
2 1	10 13.66	− 2 21.1	1.652	2.566	10.3	19.4
2 11	10 6.55	− 2 14.3	1.611	2.566	6.9	19.2
2 21	9 58.63	− 1 49.5	1.595	2.567	5.1	19.1
3 2	9 50.96	− 1 11.1	1.606	2.569	6.6	19.2
3 12	9 44.56	− 0 25.2	1.643	2.572	9.9	19.4
3 22	9 40.19	+ 0 21.8	1.704	2.575	13.3	19.6

317134 2001 UC_{88} 2 17.7 143°.98 1°.7/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.71	+ 3 44.6	2.515	3.281	12.3	21.3
1 22	10 18.74	+ 4 4.6	2.425	3.285	9.7	21.1
2 1	10 13.08	+ 4 38.0	2.359	3.289	6.7	21.0
2 11	10 6.22	+ 5 22.6	2.320	3.293	3.5	20.8
2 21	9 58.81	+ 6 14.7	2.311	3.296	1.8	20.6
3 2	9 51.61	+ 7 9.7	2.332	3.300	4.5	20.8
3 12	9 45.33	+ 8 2.9	2.382	3.303	7.6	21.0
3 22	9 40.55	+ 8 50.3	2.458	3.306	10.5	21.2

496380 2013 TU_{7} 2 17.7 196°.29 1°.1/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.06	+12 58.9	2.388	3.182	12.1	22.1
1 22	10 21.47	+13 40.6	2.297	3.180	9.2	21.9
2 1	10 14.94	+14 31.2	2.231	3.177	5.9	21.7
2 11	10 7.01	+15 26.3	2.193	3.173	2.4	21.5
2 21	9 58.41	+16 20.7	2.185	3.169	2.1	21.4
3 2	9 50.00	+17 9.2	2.208	3.165	5.6	21.7
3 12	9 42.64	+17 47.7	2.259	3.160	9.0	21.9
3 22	9 36.97	+18 14.1	2.335	3.154	12.0	22.1

498242 2007 UU_{73} 2 17.7 47°.04 1°.5/16.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 24.99	+14 41.4	2.091	2.899	13.1	21.7
1 22	10 20.80	+15 12.2	2.015	2.906	10.0	21.5
2 1	10 14.55	+15 50.6	1.964	2.913	6.4	21.3
2 11	10 6.84	+16 31.8	1.939	2.920	2.7	21.0
2 21	9 58.52	+17 10.5	1.944	2.927	2.5	21.0
3 2	9 50.53	+17 41.7	1.977	2.935	6.1	21.3
3 12	9 43.79	+18 2.2	2.038	2.942	9.6	21.5
3 22	9 38.93	+18 10.3	2.122	2.950	12.7	21.7

142502 2002 TA_{34} 2 17.7 116°.52 1°.7/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.75	+14 8.2	1.875	2.680	14.5	20.8
1 22	10 23.87	+14 50.3	1.804	2.693	11.0	20.6
2 1	10 16.62	+15 41.8	1.757	2.705	7.0	20.4
2 11	10 7.70	+16 36.7	1.736	2.717	2.9	20.2
2 21	9 58.09	+17 28.3	1.745	2.728	2.8	20.2
3 2	9 48.92	+18 10.8	1.783	2.739	6.7	20.4
3 12	9 41.22	+18 40.0	1.847	2.750	10.6	20.7
3 22	9 35.70	+18 54.4	1.935	2.760	13.9	20.9

335895 2007 RB_{218} 2 17.7 122°.39 1°.0/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.96	+13 28.5	2.603	3.396	11.2	21.4
1 22	10 20.34	+14 3.5	2.526	3.408	8.5	21.3
2 1	10 14.04	+14 45.5	2.475	3.421	5.4	21.1
2 11	10 6.59	+15 30.5	2.452	3.433	2.2	20.9
2 21	9 58.66	+16 14.0	2.460	3.445	1.9	20.9
3 2	9 51.00	+16 52.0	2.499	3.456	5.0	21.1
3 12	9 44.34	+17 21.3	2.566	3.467	8.1	21.3
3 22	9 39.21	+17 40.2	2.659	3.478	10.7	21.5

498559 2008 JX_{6} 2 17.7 299°.27 2°.8/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.69	+15 36.3	1.675	2.496	15.2	21.6
1 22	10 22.32	+16 26.3	1.569	2.467	11.8	21.4
2 1	10 16.16	+17 29.0	1.486	2.437	7.7	21.0
2 11	10 7.73	+18 37.8	1.428	2.408	3.6	20.7
2 21	9 57.98	+19 44.4	1.398	2.379	4.0	20.7
3 2	9 48.19	+20 40.1	1.395	2.349	8.5	20.9
3 12	9 39.77	+21 18.4	1.417	2.320	13.2	21.1
3 22	9 33.79	+21 36.5	1.460	2.291	17.3	21.2

1714 Sy 2 17.7 263°.08 2°.3/19.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.17	+ 5 18.3	1.940	2.717	15.1	16.3
1 22	10 23.61	+ 5 6.0	1.837	2.703	12.0	16.1
2 1	10 16.64	+ 5 7.5	1.755	2.688	8.4	15.8
2 11	10 7.81	+ 5 21.4	1.700	2.673	4.4	15.6
2 21	9 57.98	+ 5 44.8	1.673	2.657	2.4	15.4
3 2	9 48.26	+ 6 13.2	1.674	2.642	5.9	15.6
3 12	9 39.76	+ 6 41.8	1.704	2.626	10.0	15.8
3 22	9 33.34	+ 7 6.1	1.757	2.610	13.8	16.0

403308 2009 CD_{18} 2 17.7 349°.76 3°.3/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.84	+ 3 49.7	1.491	2.282	18.2	20.5
1 22	10 23.86	+ 3 28.8	1.408	2.280	14.6	20.3
2 1	10 17.00	+ 3 26.4	1.346	2.279	10.3	20.0
2 11	10 7.99	+ 3 41.6	1.307	2.278	5.7	19.7
2 21	9 57.91	+ 4 10.7	1.294	2.278	3.4	19.6
3 2	9 48.17	+ 4 47.9	1.308	2.277	6.9	19.8
3 12	9 40.09	+ 5 26.4	1.348	2.277	11.5	20.0
3 22	9 34.62	+ 6 0.1	1.409	2.277	15.7	20.3

341669 2007 VF_{86} 2 17.7 197°.62 2°.8/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.57	+ 1 39.5	2.470	3.223	12.9	20.9
1 22	10 20.22	+ 1 32.3	2.373	3.222	10.3	20.7
2 1	10 14.08	+ 1 38.8	2.300	3.220	7.4	20.5
2 11	10 6.65	+ 1 57.7	2.254	3.219	4.4	20.3
2 21	9 58.61	+ 2 26.8	2.237	3.217	2.9	20.2
3 2	9 50.73	+ 3 2.4	2.250	3.215	4.8	20.3
3 12	9 43.82	+ 3 40.2	2.291	3.213	7.9	20.5
3 22	9 38.45	+ 4 16.1	2.359	3.210	10.8	20.7

164152 2003 YP_{126} 2 17.7 39°.98 0°.5/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.01	+10 8.8	2.080	2.872	13.7	19.6
1 22	10 22.36	+10 7.5	1.996	2.874	10.6	19.4
2 1	10 15.57	+10 15.9	1.935	2.877	7.0	19.1
2 11	10 7.28	+10 31.1	1.901	2.880	3.0	18.9
2 21	9 58.31	+10 49.4	1.896	2.883	1.3	18.8
3 2	9 49.64	+11 6.7	1.921	2.887	5.4	19.1
3 12	9 42.23	+11 19.4	1.973	2.890	9.2	19.3
3 22	9 36.73	+11 25.2	2.050	2.893	12.5	19.5

128279 2003 UG_{137} 2 17.7 223°.23 0°.4/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.86	+10 41.7	2.402	3.191	12.2	20.3
1 22	10 20.56	+11 14.2	2.305	3.184	9.4	20.0
2 1	10 14.37	+11 56.9	2.233	3.177	6.1	19.8
2 11	10 6.79	+12 46.2	2.188	3.169	2.4	19.6
2 21	9 58.53	+13 37.3	2.174	3.160	1.5	19.5
3 2	9 50.43	+14 25.2	2.190	3.152	5.2	19.7
3 12	9 43.31	+15 5.7	2.234	3.143	8.7	19.9
3 22	9 37.83	+15 35.9	2.304	3.133	11.8	20.1

407811 2012 AZ_5 2 17.7 95°.67 3°.4/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 30.51	+ 2 39.0	1.738	2.508	16.9	20.9
1 22	10 25.29	+ 2 19.3	1.665	2.524	13.5	20.7
2 1	10 17.58	+ 2 16.9	1.614	2.540	9.5	20.5
2 11	10 8.11	+ 2 30.5	1.589	2.556	5.5	20.3
2 21	9 57.93	+ 2 56.6	1.591	2.572	3.4	20.2
3 2	9 48.21	+ 3 30.4	1.622	2.588	6.2	20.4
3 12	9 40.07	+ 4 5.9	1.679	2.603	10.1	20.7
3 22	9 34.24	+ 4 38.0	1.761	2.618	13.6	20.9

328735 2009 UP_{10} 2 17.7 190°.78 6°.5/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.44	+29 53.4	2.192	3.003	12.5	20.9
1 22	10 25.93	+30 59.9	2.120	3.002	9.9	20.8
2 1	10 17.98	+32 3.5	2.073	3.000	7.6	20.6
2 11	10 8.29	+32 55.9	2.053	2.999	6.5	20.5
2 21	9 57.83	+33 30.4	2.061	2.996	7.4	20.6
3 2	9 47.76	+33 42.7	2.097	2.994	9.6	20.7
3 12	9 39.17	+33 32.3	2.158	2.991	12.2	20.9
3 22	9 32.81	+33 1.4	2.240	2.988	14.6	21.0

310952 2003 UY_{51} 2 17.7 77°.77 0°.3/17.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.26	+10 21.6	1.590	2.388	17.0	21.3
1 22	10 27.44	+10 24.4	1.532	2.414	13.0	21.1
2 1	10 18.94	+10 39.5	1.496	2.440	8.5	20.9
2 11	10 8.63	+11 2.3	1.485	2.465	3.5	20.7
2 21	9 57.72	+11 27.6	1.503	2.490	1.6	20.6
3 2	9 47.52	+11 49.9	1.549	2.515	6.5	20.9
3 12	9 39.20	+12 5.1	1.622	2.540	10.8	21.3
3 22	9 33.43	+12 11.0	1.718	2.564	14.4	21.5

4677 Hiroshi 2 17.7 59°.08 0°.2/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.03	+10 27.8	2.066	2.863	13.6	17.4
1 22	10 20.74	+10 52.7	1.999	2.881	10.4	17.3
2 1	10 14.45	+11 28.1	1.955	2.900	6.7	17.1
2 11	10 6.80	+12 9.9	1.939	2.919	2.7	16.8
2 21	9 58.62	+12 53.0	1.951	2.938	1.4	16.8
3 2	9 50.84	+13 32.4	1.993	2.957	5.4	17.1
3 12	9 44.33	+14 4.0	2.062	2.976	9.0	17.3
3 22	9 39.67	+14 25.3	2.156	2.996	12.1	17.6

358453 2007 EH_{88} 2 17.7 166°.69 11°.9/14.5 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	11 23.71	+25 43.0	0.762	1.565	30.2	21.5
1 22	11 11.26	+27 48.5	0.706	1.585	24.1	21.2
2 1	10 50.33	+30 2.5	0.667	1.601	17.4	20.9
2 11	10 22.19	+31 50.3	0.650	1.612	12.4	20.6
2 21	9 50.94	+32 38.2	0.658	1.617	13.5	20.7
3 2	9 22.37	+32 14.9	0.692	1.618	19.3	21.0
3 12	9 0.83	+30 55.9	0.746	1.613	25.6	21.4
3 22	8 47.56	+29 6.2	0.816	1.604	30.9	21.7

503472 2016 EY_{147} 2 17.7 306°.19 2°.0/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.06	+13 43.0	1.769	2.585	14.7	21.9
1 22	10 20.67	+14 36.4	1.681	2.576	11.3	21.7
2 1	10 14.81	+15 42.3	1.616	2.567	7.2	21.4
2 11	10 7.09	+16 54.6	1.577	2.558	3.1	21.1
2 21	9 58.43	+18 5.2	1.567	2.549	3.1	21.1
3 2	9 49.98	+19 6.6	1.584	2.541	7.4	21.4
3 12	9 42.90	+19 52.7	1.627	2.533	11.6	21.6
3 22	9 38.01	+20 21.1	1.693	2.525	15.2	21.8

357364 2003 SJ_{143} 2 17.7 199°.23 2°.4/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.25	+ 2 48.1	2.175	2.934	14.2	22.1
1 22	10 23.34	+ 2 57.4	2.076	2.931	11.4	21.9
2 1	10 16.28	+ 3 22.5	2.000	2.926	8.0	21.7
2 11	10 7.63	+ 4 1.7	1.951	2.921	4.4	21.5
2 21	9 58.17	+ 4 51.1	1.931	2.915	2.5	21.3
3 2	9 48.88	+ 5 45.8	1.941	2.908	5.3	21.5
3 12	9 40.71	+ 6 40.1	1.981	2.900	9.0	21.7
3 22	9 34.39	+ 7 29.1	2.045	2.892	12.4	21.9

29945 1999 JU_{83} 2 17.7 26°.15 6°.4/25.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 19.99	−11 39.2	2.097	2.797	16.4	16.9
1 22	10 17.07	−11 22.5	2.006	2.802	14.0	16.7
2 1	10 12.20	−10 38.6	1.936	2.808	11.3	16.6
2 11	10 5.94	− 9 27.1	1.888	2.813	8.5	16.4
2 21	9 59.04	− 7 51.2	1.866	2.819	6.6	16.3
3 2	9 52.36	− 5 56.9	1.873	2.826	6.8	16.3
3 12	9 46.77	− 3 53.4	1.909	2.832	9.0	16.5
3 22	9 42.90	− 1 49.8	1.970	2.839	11.8	16.7

423444 2005 SG_{23} 2 17.7 174°.22 2°.2/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.52	+ 1 41.8	2.447	3.199	13.0	22.5
1 22	10 20.96	+ 2 7.5	2.352	3.202	10.4	22.3
2 1	10 14.58	+ 2 49.0	2.281	3.205	7.3	22.2
2 11	10 6.89	+ 3 43.9	2.238	3.207	4.0	21.9
2 21	9 58.57	+ 4 48.4	2.225	3.208	2.2	21.8
3 2	9 50.44	+ 5 57.2	2.242	3.209	4.7	22.0
3 12	9 43.29	+ 7 4.7	2.289	3.209	8.0	22.2
3 22	9 37.73	+ 8 6.4	2.363	3.208	11.0	22.4

372596 2009 UP_{141} 2 17.7 178°.45 1°.3/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 27.88	+14 4.8	2.219	3.017	12.8	21.7
1 22	10 22.96	+14 33.5	2.134	3.018	9.8	21.5
2 1	10 15.96	+15 9.9	2.072	3.019	6.3	21.3
2 11	10 7.47	+15 49.7	2.039	3.019	2.6	21.0
2 21	9 58.30	+16 27.8	2.035	3.019	2.2	21.0
3 2	9 49.40	+16 59.3	2.061	3.019	5.9	21.2
3 12	9 41.69	+17 20.9	2.116	3.018	9.4	21.4
3 22	9 35.84	+17 30.9	2.194	3.017	12.5	21.6

324507 2006 VV_{20} 2 17.7 77°.14 0°.5/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.15	+ 8 34.5	1.705	2.504	16.0	21.3
1 22	10 22.86	+ 8 53.7	1.632	2.514	12.4	21.1
2 1	10 16.10	+ 9 27.6	1.580	2.524	8.1	20.9
2 11	10 7.56	+10 11.7	1.555	2.534	3.5	20.6
2 21	9 58.26	+11 0.3	1.557	2.544	1.5	20.5
3 2	9 49.39	+11 46.9	1.587	2.554	6.2	20.8
3 12	9 42.03	+12 25.9	1.644	2.564	10.5	21.1
3 22	9 36.95	+12 53.7	1.724	2.574	14.2	21.3

117459 2005 AB_{74} 2 17.7 136°.08 0°.3/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.44	+10 41.6	1.960	2.750	14.5	20.3
1 22	10 25.05	+11 10.2	1.885	2.764	11.1	20.1
2 1	10 17.36	+11 50.1	1.833	2.777	7.2	19.9
2 11	10 8.04	+12 36.8	1.809	2.789	2.9	19.6
2 21	9 58.04	+13 24.4	1.814	2.800	1.6	19.5
3 2	9 48.44	+14 7.3	1.849	2.811	5.9	19.8
3 12	9 40.27	+14 41.1	1.912	2.821	9.9	20.1
3 22	9 34.22	+15 3.2	1.999	2.831	13.2	20.3

307250 2002 KW_8 2 17.7 349°.67 21°.9/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.74	+48 53.7	0.933	1.770	23.1	19.5
1 22	10 31.76	+52 49.3	0.910	1.767	22.0	19.4
2 1	10 24.40	+56 11.8	0.906	1.764	22.1	19.4
2 11	10 11.60	+58 35.8	0.918	1.761	23.2	19.4
2 21	9 56.19	+59 45.9	0.945	1.760	25.1	19.6
3 2	9 42.21	+59 40.0	0.984	1.759	27.2	19.7
3 12	9 33.06	+58 29.0	1.033	1.759	29.2	19.9
3 22	9 29.99	+56 28.7	1.090	1.759	30.9	20.0

250379 2003 UU_{55} 2 17.7 244°.84 0°.3/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.06	+ 9 40.4	1.769	2.565	15.6	21.3
1 22	10 24.51	+ 9 51.4	1.674	2.556	12.2	21.1
2 1	10 17.33	+10 15.5	1.602	2.546	8.0	20.8
2 11	10 8.15	+10 49.1	1.556	2.535	3.4	20.5
2 21	9 57.93	+11 27.1	1.537	2.525	1.6	20.3
3 2	9 47.92	+12 3.5	1.548	2.514	6.4	20.6
3 12	9 39.32	+12 32.9	1.585	2.502	11.0	20.9
3 22	9 33.04	+12 51.9	1.645	2.491	15.0	21.1

12821 1996 RG_1 2 17.7 99°.47 2°.9/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.75	+16 41.7	1.424	2.241	17.6	17.8
1 22	10 29.08	+17 19.2	1.365	2.260	13.4	17.6
2 1	10 20.26	+18 5.3	1.328	2.278	8.6	17.4
2 11	10 9.26	+18 51.6	1.316	2.295	4.0	17.2
2 21	9 57.46	+19 29.8	1.331	2.312	4.0	17.2
3 2	9 46.44	+19 53.5	1.374	2.329	8.5	17.5
3 12	9 37.56	+19 59.7	1.442	2.345	12.9	17.8
3 22	9 31.64	+19 48.9	1.532	2.361	16.7	18.1

372013 2008 KQ_{37} 2 17.7 269°.09 1°.7/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.84	+ 5 31.3	1.923	2.706	15.0	21.6
1 22	10 21.86	+ 5 39.2	1.821	2.692	11.9	21.4
2 1	10 15.54	+ 6 2.7	1.741	2.677	8.2	21.1
2 11	10 7.42	+ 6 39.6	1.688	2.663	4.1	20.8
2 21	9 58.34	+ 7 25.7	1.662	2.648	2.0	20.7
3 2	9 49.36	+ 8 15.5	1.665	2.633	5.8	20.9
3 12	9 41.59	+ 9 2.7	1.696	2.618	10.0	21.1
3 22	9 35.84	+ 9 42.7	1.750	2.603	13.8	21.3

368629 2004 VH_5 2 17.7 102°.97 3°.1/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.81	+ 0 16.2	2.294	3.041	13.9	21.4
1 22	10 21.90	+ 0 17.0	2.220	3.063	11.2	21.3
2 1	10 15.13	+ 0 33.6	2.168	3.084	8.0	21.1
2 11	10 7.10	+ 1 4.5	2.143	3.105	4.9	20.9
2 21	9 58.57	+ 1 46.3	2.147	3.125	3.1	20.8
3 2	9 50.38	+ 2 34.7	2.181	3.145	5.0	21.0
3 12	9 43.32	+ 3 24.5	2.244	3.165	8.0	21.2
3 22	9 37.98	+ 4 11.1	2.333	3.184	10.9	21.4

307960 2004 GS_{75} 2 17.7 269°.24 0°.3/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.93	+10 50.2	2.643	3.421	11.5	20.3
1 22	10 22.84	+10 47.7	2.527	3.399	8.9	20.1
2 1	10 15.87	+10 52.2	2.436	3.376	5.9	19.8
2 11	10 7.48	+11 1.7	2.373	3.352	2.5	19.6
2 21	9 58.34	+11 13.1	2.341	3.328	1.2	19.4
3 2	9 49.26	+11 23.6	2.341	3.304	4.8	19.6
3 12	9 41.06	+11 30.1	2.369	3.280	8.2	19.8
3 22	9 34.40	+11 30.8	2.424	3.255	11.2	20.0

56845 2000 QL_{50} 2 17.7 181°.00 0°.1/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.03	+ 8 49.1	2.436	3.216	12.3	19.9
1 22	10 21.39	+ 9 23.7	2.344	3.217	9.5	19.7
2 1	10 14.89	+10 9.7	2.277	3.218	6.2	19.5
2 11	10 7.05	+11 3.3	2.238	3.218	2.6	19.3
2 21	9 58.58	+12 0.0	2.230	3.217	1.2	19.2
3 2	9 50.30	+12 54.5	2.252	3.216	4.9	19.4
3 12	9 43.04	+13 42.5	2.304	3.214	8.4	19.6
3 22	9 37.40	+14 20.8	2.381	3.212	11.4	19.8

189480 1999 UG_{23} 2 17.7 146°.20 2°.7/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.58	+ 1 57.9	2.445	3.197	13.0	20.6
1 22	10 21.72	+ 1 55.6	2.358	3.206	10.4	20.5
2 1	10 15.04	+ 2 6.9	2.293	3.214	7.4	20.3
2 11	10 7.09	+ 2 30.6	2.256	3.222	4.3	20.1
2 21	9 58.57	+ 3 3.7	2.249	3.229	2.7	20.0
3 2	9 50.29	+ 3 42.6	2.271	3.236	4.8	20.1
3 12	9 43.04	+ 4 22.6	2.323	3.243	7.9	20.3
3 22	9 37.39	+ 4 59.9	2.401	3.249	10.7	20.5

425927 2011 GG_{39} 2 17.7 193°.45 1°.9/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.71	+15 6.8	2.233	3.037	12.5	21.5
1 22	10 21.36	+15 52.5	2.148	3.036	9.5	21.3
2 1	10 14.97	+16 46.3	2.086	3.035	6.1	21.1
2 11	10 7.11	+17 42.9	2.053	3.033	2.7	20.9
2 21	9 58.55	+18 36.5	2.050	3.031	2.8	20.9
3 2	9 50.24	+19 21.8	2.076	3.029	6.2	21.1
3 12	9 43.06	+19 54.8	2.130	3.027	9.7	21.3
3 22	9 37.68	+20 13.8	2.207	3.024	12.7	21.5

382385 2013 TR_{122} 2 17.7 150°.98 7°.3/26.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.05	−15 27.1	2.578	3.226	14.7	21.8
1 22	10 19.82	−15 44.2	2.485	3.234	12.9	21.7
2 1	10 13.85	−15 38.9	2.410	3.241	10.9	21.5
2 11	10 6.63	−15 9.8	2.359	3.248	8.9	21.4
2 21	9 58.82	−14 17.6	2.334	3.255	7.5	21.3
3 2	9 51.19	−13 5.4	2.337	3.261	7.5	21.3
3 12	9 44.52	−11 39.2	2.368	3.266	8.8	21.4
3 22	9 39.37	−10 5.9	2.424	3.271	10.7	21.6

159591 2001 XD_{146} 2 17.7 242°.88 4°.4/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.29	+19 15.9	1.776	2.593	14.6	20.4
1 22	10 24.91	+20 33.0	1.684	2.579	11.3	20.2
2 1	10 17.75	+21 59.5	1.616	2.564	7.5	19.9
2 11	10 8.40	+23 26.8	1.575	2.548	4.6	19.7
2 21	9 57.89	+24 45.0	1.562	2.532	5.6	19.7
3 2	9 47.51	+25 45.7	1.578	2.515	9.3	19.9
3 12	9 38.60	+26 23.8	1.619	2.498	13.2	20.1
3 22	9 32.13	+26 38.6	1.681	2.480	16.8	20.3

297046 2010 HA_{21} 2 17.7 176°.10 3°.4/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 21.51	− 5 20.9	3.332	4.036	10.7	21.7
1 22	10 17.47	− 5 2.8	3.229	4.038	8.9	21.6
2 1	10 12.13	− 4 30.1	3.150	4.040	6.8	21.4
2 11	10 5.88	− 3 43.5	3.098	4.041	4.7	21.3
2 21	9 59.20	− 2 45.4	3.076	4.042	3.4	21.2
3 2	9 52.65	− 1 38.9	3.086	4.043	4.2	21.3
3 12	9 46.77	− 0 28.5	3.125	4.043	6.2	21.4
3 22	9 41.99	+ 0 41.6	3.193	4.042	8.3	21.5

246738 2009 BT_{70} 2 17.7 40°.10 1°.2/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.75	+13 26.1	1.926	2.735	14.0	20.6
1 22	10 20.78	+13 56.9	1.856	2.746	10.6	20.4
2 1	10 14.63	+14 36.8	1.809	2.758	6.8	20.2
2 11	10 6.96	+15 21.0	1.788	2.769	2.7	20.0
2 21	9 58.68	+16 3.6	1.797	2.781	2.3	19.9
3 2	9 50.78	+16 39.2	1.833	2.794	6.2	20.2
3 12	9 44.23	+17 4.0	1.897	2.806	9.9	20.5
3 22	9 39.67	+17 16.2	1.984	2.819	13.2	20.7

46868 1998 QM_{93} 2 17.7 180°.11 7°.1/11.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.53	+31 34.6	2.142	2.947	12.9	18.7
1 22	10 28.38	+32 41.1	2.072	2.949	10.4	18.5
2 1	10 19.63	+33 43.0	2.027	2.950	8.1	18.4
2 11	10 9.03	+34 31.5	2.010	2.950	7.1	18.3
2 21	9 57.65	+34 59.7	2.021	2.950	7.9	18.3
3 2	9 46.75	+35 3.8	2.059	2.949	10.2	18.5
3 12	9 37.47	+34 43.7	2.122	2.947	12.7	18.6
3 22	9 30.59	+34 2.7	2.206	2.945	15.1	18.8

332939 2011 CY_{92} 2 17.7 249°.10 2°.3/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.00	+ 2 53.8	1.966	2.741	15.0	21.5
1 22	10 20.29	+ 3 10.5	1.875	2.739	11.9	21.3
2 1	10 14.41	+ 3 45.1	1.807	2.737	8.3	21.0
2 11	10 6.93	+ 4 35.1	1.764	2.736	4.5	20.8
2 21	9 58.68	+ 5 36.1	1.749	2.734	2.4	20.7
3 2	9 50.63	+ 6 42.0	1.764	2.732	5.5	20.9
3 12	9 43.78	+ 7 46.1	1.805	2.730	9.4	21.1
3 22	9 38.84	+ 8 42.9	1.872	2.728	12.9	21.3

495806 2017 FN_{95} 2 17.7 207°.69 2°.3/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 28.01	+14 1.1	2.055	2.856	13.5	21.9
1 22	10 23.42	+15 15.3	1.963	2.850	10.3	21.7
2 1	10 16.50	+16 41.6	1.895	2.843	6.6	21.5
2 11	10 7.82	+18 13.3	1.856	2.835	3.0	21.2
2 21	9 58.22	+19 42.3	1.847	2.827	3.3	21.2
3 2	9 48.78	+21 0.8	1.868	2.817	7.1	21.4
3 12	9 40.55	+22 3.1	1.917	2.807	10.9	21.6
3 22	9 34.34	+22 46.6	1.989	2.796	14.2	21.8

379125 2009 BT_{14} 2 17.7 46°.00 0°.8/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.88	+13 0.1	1.881	2.687	14.4	20.3
1 22	10 22.37	+13 14.6	1.816	2.704	11.0	20.1
2 1	10 15.62	+13 37.9	1.773	2.721	7.0	19.9
2 11	10 7.36	+14 5.6	1.758	2.739	2.8	19.7
2 21	9 58.52	+14 32.5	1.770	2.756	1.9	19.7
3 2	9 50.16	+14 54.2	1.812	2.775	6.0	20.0
3 12	9 43.24	+15 7.1	1.880	2.793	9.8	20.2
3 22	9 38.39	+15 9.6	1.972	2.812	13.1	20.5

327867 2006 YA_{50} 2 17.7 79°.20 4°.7/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.58	+ 0 8.6	1.806	2.562	16.8	20.7
1 22	10 25.30	− 0 33.5	1.732	2.578	13.7	20.5
2 1	10 17.61	− 0 58.0	1.679	2.594	10.1	20.3
2 11	10 8.21	− 1 5.0	1.652	2.610	6.5	20.2
2 21	9 58.09	− 0 56.1	1.651	2.626	4.7	20.1
3 2	9 48.40	− 0 35.2	1.680	2.641	6.5	20.2
3 12	9 40.22	− 0 7.6	1.735	2.657	9.9	20.5
3 22	9 34.27	+ 0 21.1	1.815	2.672	13.2	20.7

25888 2000 UW_{109} 2 17.7 104°.79 2°.4/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.07	+15 51.2	2.167	2.971	12.8	18.3
1 22	10 22.30	+16 55.5	2.102	2.991	9.7	18.1
2 1	10 15.50	+18 7.2	2.063	3.011	6.2	17.9
2 11	10 7.30	+19 19.7	2.052	3.030	3.0	17.8
2 21	9 58.55	+20 26.4	2.071	3.050	3.3	17.8
3 2	9 50.19	+21 21.6	2.120	3.068	6.5	18.1
3 12	9 43.09	+22 1.9	2.197	3.086	9.8	18.3
3 22	9 37.88	+22 26.1	2.297	3.104	12.6	18.5

232743 2004 FO_{120} 2 17.7 239°.29 3°.0/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.18	+15 17.5	1.662	2.477	15.6	20.8
1 22	10 24.93	+16 23.4	1.570	2.464	12.0	20.6
2 1	10 17.82	+17 42.6	1.501	2.451	7.8	20.3
2 11	10 8.47	+19 7.4	1.458	2.437	3.7	20.0
2 21	9 57.89	+20 28.1	1.444	2.423	4.2	20.0
3 2	9 47.47	+21 35.6	1.457	2.408	8.6	20.2
3 12	9 38.57	+22 23.6	1.496	2.392	13.0	20.4
3 22	9 32.20	+22 49.9	1.557	2.376	17.0	20.6

239431 2007 TV_{154} 2 17.7 101°.45 1°.0/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.03	+ 6 41.0	2.427	3.201	12.5	21.1
1 22	10 20.51	+ 6 56.5	2.349	3.216	9.7	20.9
2 1	10 14.24	+ 7 23.4	2.296	3.231	6.5	20.7
2 11	10 6.77	+ 7 58.9	2.270	3.246	3.0	20.5
2 21	9 58.81	+ 8 39.2	2.274	3.261	1.3	20.4
3 2	9 51.13	+ 9 20.0	2.308	3.275	4.6	20.7
3 12	9 44.50	+ 9 57.2	2.371	3.289	7.8	20.9
3 22	9 39.47	+10 27.8	2.460	3.303	10.7	21.1

92268 2000 BJ_{49} 2 17.7 21°.59 8°.1/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 39.31	+ 1 36.5	1.153	1.937	22.9	19.8
1 22	10 33.60	− 0 23.8	1.077	1.938	19.0	19.6
2 1	10 23.91	− 2 8.8	1.019	1.939	14.4	19.3
2 11	10 11.06	− 3 32.8	0.984	1.940	10.0	19.1
2 21	9 56.63	− 4 31.7	0.973	1.942	8.1	18.9
3 2	9 42.66	− 5 4.8	0.987	1.944	10.6	19.1
3 12	9 31.14	− 5 17.2	1.025	1.946	15.1	19.3
3 22	9 23.33	− 5 16.5	1.083	1.949	19.5	19.6

162883 2001 FM_{68} 2 17.7 248°.71 0°.7/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.94	+ 6 3.8	2.297	3.077	12.9	20.2
1 22	10 19.26	+ 6 46.9	2.196	3.067	10.1	20.0
2 1	10 13.65	+ 7 45.2	2.118	3.056	6.8	19.8
2 11	10 6.62	+ 8 55.2	2.067	3.045	3.0	19.5
2 21	9 58.85	+10 11.8	2.047	3.034	1.3	19.3
3 2	9 51.19	+11 28.9	2.057	3.023	5.1	19.6
3 12	9 44.50	+12 40.2	2.095	3.011	8.8	19.8
3 22	9 39.44	+13 41.4	2.159	3.000	12.1	20.0

206192 2002 UR_{2} 2 17.7 42°.32 8°.1/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 42.94	+34 50.5	1.757	2.558	15.4	19.3
1 22	10 34.73	+35 10.2	1.711	2.582	12.5	19.2
2 1	10 23.51	+35 18.1	1.688	2.606	9.7	19.1
2 11	10 10.46	+35 5.9	1.691	2.631	8.1	19.0
2 21	9 57.11	+34 28.7	1.722	2.656	8.7	19.1
3 2	9 44.99	+33 26.5	1.780	2.682	10.8	19.3
3 12	9 35.30	+32 3.5	1.864	2.708	13.4	19.5
3 22	9 28.64	+30 26.1	1.970	2.734	15.9	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
301624 2010 EJ_2			2 17.7 292.°70		5.°4/24.2 17	
	h m	° ′			°	m
1 12	10 20.62	−10 16.2	2.403	3.100	14.6	20.6
1 22	10 17.39	− 9 48.8	2.297	3.095	12.4	20.4
2 1	10 12.39	− 8 57.0	2.213	3.089	9.9	20.2
2 11	10 6.08	− 7 41.0	2.153	3.084	7.3	20.0
2 21	9 59.14	− 6 3.6	2.121	3.079	5.5	19.9
3 2	9 52.32	− 4 10.3	2.119	3.074	6.0	19.9
3 12	9 46.42	− 2 9.2	2.146	3.068	8.2	20.1
3 22	9 42.04	− 0 8.3	2.200	3.063	11.0	20.2
169244 2001 SG_{94}			2 17.7 136.°89		0.°6/18.4 18	
1 12	10 25.42	+ 8 17.9	2.745	3.518	11.2	21.3
1 22	10 20.64	+ 8 30.3	2.660	3.528	8.7	21.2
2 1	10 14.26	+ 8 51.8	2.601	3.538	5.7	21.0
2 11	10 6.78	+ 9 19.7	2.570	3.548	2.6	20.8
2 21	9 58.82	+ 9 50.9	2.570	3.557	1.1	20.7
3 2	9 51.11	+10 21.8	2.601	3.566	4.2	20.9
3 12	9 44.32	+10 49.2	2.661	3.575	7.3	21.1
3 22	9 38.96	+11 10.6	2.747	3.583	9.9	21.3
288463 2004 EA_{91}			2 17.7 259.°65		1.°3/19.1 17	
1 12	10 21.82	+ 4 15.0	2.444	3.215	12.5	21.0
1 22	10 18.27	+ 4 50.5	2.341	3.205	9.9	20.8
2 1	10 12.95	+ 5 40.9	2.262	3.196	6.7	20.6
2 11	10 6.32	+ 6 43.7	2.211	3.185	3.3	20.4
2 21	9 59.02	+ 7 54.3	2.189	3.175	1.5	20.2
3 2	9 51.84	+ 9 7.4	2.197	3.165	4.7	20.4
3 12	9 45.55	+10 17.2	2.235	3.154	8.1	20.6
3 22	9 40.76	+11 19.2	2.298	3.144	11.2	20.8
85678 1998 RZ_7			2 17.7 134.°76		1.°3/16.8 18	
1 12	10 33.66	+13 21.8	1.806	2.602	15.3	20.0
1 22	10 27.72	+13 51.8	1.735	2.618	11.7	19.8
2 1	10 19.20	+14 31.6	1.686	2.632	7.5	19.6
2 11	10 8.87	+15 15.4	1.666	2.646	3.0	19.3
2 21	9 57.81	+15 56.9	1.674	2.659	2.4	19.3
3 2	9 47.26	+16 30.3	1.712	2.671	6.7	19.6
3 12	9 38.36	+16 51.8	1.778	2.683	10.8	19.9
3 22	9 31.85	+17 0.1	1.867	2.693	14.3	20.1
222484 2001 SW_{134}			2 17.7 193.°33		1.°3/19.0 17	
1 12	10 26.70	+ 5 0.8	2.604	3.364	12.1	22.9
1 22	10 21.82	+ 5 24.3	2.503	3.362	9.5	22.8
2 1	10 15.16	+ 6 0.5	2.428	3.358	6.5	22.6
2 11	10 7.21	+ 6 46.8	2.380	3.354	3.2	22.3
2 21	9 58.61	+ 7 39.6	2.363	3.349	1.5	22.2
3 2	9 50.16	+ 8 34.3	2.378	3.344	4.5	22.4
3 12	9 42.62	+ 9 26.3	2.422	3.337	7.8	22.6
3 22	9 36.61	+10 11.8	2.493	3.330	10.8	22.8
235020 2003 EF_{31}			2 17.7 261.°72		0.°2/17.9 18	
1 12	10 26.93	+ 8 10.5	1.608	2.410	16.6	20.9
1 22	10 23.23	+ 8 44.8	1.511	2.395	13.0	20.7
2 1	10 16.74	+ 9 37.7	1.436	2.381	8.6	20.4
2 11	10 8.05	+10 44.9	1.386	2.366	3.7	20.0
2 21	9 58.15	+11 59.2	1.363	2.350	1.7	19.8
3 2	9 48.36	+13 11.9	1.368	2.335	7.0	20.1
3 12	9 40.02	+14 15.0	1.399	2.319	12.0	20.4
3 22	9 34.15	+15 3.1	1.453	2.302	16.4	20.6
430335 2013 YM_{47}			2 17.7 151.°86		3.°5/21.1 17	
1 12	10 25.57	− 0 53.8	2.585	3.321	12.8	21.5
1 22	10 20.91	− 1 7.5	2.493	3.327	10.4	21.4
2 1	10 14.53	− 1 7.0	2.424	3.332	7.7	21.2
2 11	10 6.93	− 0 52.9	2.382	3.337	5.0	21.0
2 21	9 58.78	− 0 27.2	2.369	3.342	3.5	20.9
3 2	9 50.82	+ 0 7.0	2.386	3.347	4.9	21.0
3 12	9 43.80	+ 0 45.3	2.432	3.351	7.6	21.2
3 22	9 38.29	+ 1 23.6	2.504	3.355	10.3	21.4
462323 2008 HG_{46}			2 17.7 248.°90		3.°4/14.6 17	
1 12	10 27.94	+19 14.0	2.175	2.984	12.6	22.1
1 22	10 23.35	+20 10.4	2.077	2.967	9.7	21.9
2 1	10 16.47	+21 13.2	2.003	2.950	6.4	21.6
2 11	10 7.84	+22 16.2	1.957	2.932	3.7	21.4
2 21	9 58.30	+23 12.3	1.941	2.914	4.3	21.4
3 2	9 48.86	+23 55.5	1.955	2.895	7.5	21.6
3 12	9 40.60	+24 22.2	1.995	2.876	11.0	21.8
3 22	9 34.29	+24 31.3	2.058	2.856	14.1	21.9
203446 2001 YZ_{85}			2 17.7 64.°45		1.°1/17.0 18	
1 12	10 31.63	+12 31.5	1.334	2.153	18.5	20.2
1 22	10 26.77	+12 54.7	1.280	2.174	14.1	20.0
2 1	10 18.82	+13 30.9	1.246	2.196	9.1	19.8
2 11	10 8.75	+14 13.5	1.236	2.217	3.6	19.5
2 21	9 57.94	+14 54.5	1.253	2.239	2.5	19.5
3 2	9 47.92	+15 26.8	1.297	2.261	7.7	19.9
3 12	9 40.01	+15 46.0	1.365	2.283	12.4	20.2
3 22	9 34.99	+15 50.4	1.455	2.304	16.4	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
380949 2006 KL_{57}			2 17.7 173.°70		1.°2/18.9 17	
	h m	° ′			°	m
1 12	10 23.69	+ 5 27.8	2.366	3.140	12.8	21.8
1 22	10 19.68	+ 5 52.8	2.275	3.141	10.0	21.6
2 1	10 13.84	+ 6 31.3	2.207	3.142	6.8	21.4
2 11	10 6.69	+ 7 20.4	2.167	3.143	3.3	21.2
2 21	9 58.93	+ 8 16.0	2.157	3.143	1.4	21.1
3 2	9 51.35	+ 9 13.0	2.176	3.144	4.7	21.3
3 12	9 44.78	+10 6.4	2.225	3.144	8.2	21.5
3 22	9 39.80	+10 52.3	2.298	3.144	11.3	21.7
207974 1996 RM_1			2 17.7 248.°49		0.°8/18.4 17	
1 12	10 28.10	+ 5 45.4	2.134	2.907	14.0	21.5
1 22	10 23.56	+ 6 27.8	2.017	2.883	11.1	21.2
2 1	10 16.70	+ 7 27.7	1.922	2.859	7.5	20.9
2 11	10 8.00	+ 8 41.9	1.855	2.833	3.4	20.6
2 21	9 58.23	+10 5.1	1.819	2.806	1.4	20.4
3 2	9 48.39	+11 29.9	1.813	2.778	5.7	20.7
3 12	9 39.55	+12 49.3	1.836	2.749	10.0	20.9
3 22	9 32.60	+13 57.5	1.884	2.719	13.8	21.0
433591 2013 YQ_{47}			2 17.7 66.°85		0.°1/17.6 18	
1 12	10 22.72	+ 8 51.2	2.224	3.016	12.9	21.0
1 22	10 18.98	+ 9 35.2	2.148	3.028	9.9	20.8
2 1	10 13.39	+10 31.5	2.096	3.040	6.4	20.6
2 11	10 6.50	+11 35.6	2.072	3.052	2.6	20.4
2 21	9 59.05	+12 42.1	2.077	3.064	1.3	20.3
3 2	9 51.88	+13 45.2	2.112	3.076	5.1	20.6
3 12	9 45.81	+14 39.9	2.175	3.088	8.7	20.8
3 22	9 41.41	+15 23.0	2.263	3.101	11.7	21.0
242389 2004 EA_{94}			2 17.7 288.°81		3.°6/14.3 18	
1 12	10 25.35	+20 54.5	2.256	3.071	12.0	20.4
1 22	10 21.24	+21 43.0	2.164	3.057	9.2	20.2
2 1	10 15.01	+22 35.6	2.097	3.043	6.2	20.0
2 11	10 7.23	+23 26.4	2.057	3.029	3.8	19.8
2 21	9 58.66	+24 9.2	2.046	3.016	4.5	19.8
3 2	9 50.28	+24 39.1	2.064	3.002	7.4	20.0
3 12	9 43.03	+24 53.2	2.108	2.988	10.6	20.2
3 22	9 37.61	+24 50.9	2.176	2.975	13.4	20.3
445967 2013 AN_{125}			2 17.7 14.°84		3.°9/15.8 18	
1 12	10 31.95	+19 16.3	1.232	2.067	18.7	20.7
1 22	10 27.64	+19 36.0	1.165	2.069	14.4	20.4
2 1	10 19.77	+20 1.7	1.119	2.071	9.5	20.2
2 11	10 9.28	+20 25.1	1.096	2.075	4.8	19.9
2 21	9 57.69	+20 37.7	1.098	2.078	5.0	19.9
3 2	9 46.79	+20 33.6	1.126	2.083	9.7	20.2
3 12	9 38.22	+20 10.7	1.177	2.087	14.5	20.5
3 22	9 32.93	+19 30.7	1.247	2.093	18.8	20.7
258331 2001 VK_{29}			2 17.7 32.°31		3.°8/15.2 18	
1 12	10 25.85	+17 14.9	1.278	2.118	17.9	19.9
1 22	10 22.53	+18 12.3	1.230	2.137	13.5	19.7
2 1	10 16.16	+19 18.7	1.204	2.158	8.7	19.5
2 11	10 7.70	+20 24.4	1.201	2.180	4.4	19.3
2 21	9 58.51	+21 19.6	1.224	2.202	4.9	19.4
3 2	9 50.10	+21 56.7	1.272	2.226	9.2	19.7
3 12	9 43.74	+22 12.3	1.343	2.250	13.4	20.0
3 22	9 40.17	+22 7.1	1.435	2.275	17.1	20.3
251290 2006 WF_{148}			2 17.7 91.°59		2.°6/20.0 18	
1 12	10 28.37	+ 1 48.2	1.940	2.703	15.6	20.9
1 22	10 23.38	+ 2 5.6	1.875	2.730	12.3	20.7
2 1	10 16.25	+ 2 41.0	1.831	2.757	8.6	20.5
2 11	10 7.66	+ 3 31.5	1.814	2.783	4.7	20.3
2 21	9 58.53	+ 4 32.1	1.826	2.809	2.6	20.2
3 2	9 49.86	+ 5 36.5	1.867	2.834	5.4	20.5
3 12	9 42.58	+ 6 38.4	1.936	2.859	9.0	20.7
3 22	9 37.31	+ 7 32.9	2.030	2.883	12.3	21.0
499802 2011 CX_{87}			2 17.7 255.°17		1.°2/18.5 17	
1 12	10 30.12	+ 9 1.6	1.971	2.756	14.6	21.2
1 22	10 24.97	+ 8 44.4	1.880	2.753	11.4	21.0
2 1	10 17.47	+ 8 37.3	1.812	2.751	7.7	20.7
2 11	10 8.24	+ 8 38.2	1.772	2.749	3.5	20.5
2 21	9 58.21	+ 8 43.9	1.760	2.747	1.6	20.3
3 2	9 48.44	+ 8 50.8	1.777	2.744	5.7	20.6
3 12	9 40.02	+ 8 55.4	1.823	2.742	9.7	20.8
3 22	9 33.69	+ 8 55.0	1.893	2.739	13.2	21.0
126173 2002 AH_9			2 17.7 187.°02		1.°3/18.9 18	
1 12	10 25.89	+ 5 57.8	2.174	2.951	13.7	20.5
1 22	10 21.54	+ 6 11.8	2.083	2.951	10.7	20.3
2 1	10 15.14	+ 6 39.5	2.015	2.950	7.3	20.1
2 11	10 7.27	+ 7 18.0	1.974	2.949	3.5	19.9
2 21	9 58.69	+ 8 3.4	1.962	2.948	1.6	19.7
3 2	9 50.32	+ 8 50.6	1.980	2.947	5.1	20.0
3 12	9 43.07	+ 9 34.5	2.026	2.945	8.8	20.2
3 22	9 37.61	+10 11.3	2.097	2.944	12.1	20.4

56501 2000 GG_{153} 2 17.7 61°.99 1°.5/18.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 29.98	+ 7 43.7	1.391	2.196	18.6	19.3
1 22	10 25.68	+ 7 39.1	1.317	2.201	14.6	19.0
2 1	10 18.31	+ 7 51.3	1.263	2.206	9.8	18.8
2 11	10 8.67	+ 8 17.1	1.232	2.210	4.5	18.5
2 21	9 58.00	+ 8 50.8	1.228	2.215	2.0	18.3
3 2	9 47.80	+ 9 25.9	1.251	2.220	7.1	18.6
3 12	9 39.49	+ 9 55.8	1.299	2.225	12.1	18.9
3 22	9 33.98	+10 16.0	1.368	2.231	16.4	19.2

24812 1994 VH 2 17.7 114°.78 3°.5/14.8 18

1 12	10 32.07	+20 5.1	2.079	2.884	13.3	19.2
1 22	10 26.20	+20 56.5	2.018	2.905	10.1	19.0
2 1	10 18.06	+21 51.3	1.981	2.926	6.6	18.8
2 11	10 8.40	+22 42.6	1.973	2.946	3.8	18.7
2 21	9 58.18	+23 24.3	1.994	2.966	4.3	18.7
3 2	9 48.48	+23 51.6	2.046	2.985	7.3	19.0
3 12	9 40.27	+24 2.6	2.124	3.003	10.5	19.2
3 22	9 34.19	+23 57.9	2.225	3.021	13.3	19.4

429605 2011 FQ_3 2 17.7 287°.05 0°.5/18.2 17

1 12	10 23.16	+ 7 7.0	1.980	2.772	14.3	21.1
1 22	10 19.82	+ 7 45.6	1.876	2.755	11.2	20.9
2 1	10 14.26	+ 8 40.8	1.796	2.738	7.5	20.6
2 11	10 7.00	+ 9 49.0	1.741	2.720	3.2	20.3
2 21	9 58.81	+11 4.4	1.715	2.703	1.4	20.1
3 2	9 50.69	+12 19.8	1.718	2.685	5.8	20.4
3 12	9 43.67	+13 28.5	1.749	2.668	10.1	20.6
3 22	9 38.57	+14 25.1	1.804	2.650	13.8	20.8

121057 1999 CA_{89} 2 17.7 347°.46 1°.4/16.8 18

1 12	10 23.18	+11 36.4	1.170	2.009	19.3	19.8
1 22	10 21.09	+12 14.8	1.096	2.002	14.9	19.5
2 1	10 15.68	+13 12.3	1.041	1.996	9.7	19.2
2 11	10 7.71	+14 21.9	1.008	1.990	3.9	18.9
2 21	9 58.46	+15 33.3	1.000	1.986	3.0	18.8
3 2	9 49.59	+16 35.7	1.017	1.983	8.8	19.1
3 12	9 42.72	+17 20.6	1.056	1.981	14.3	19.4
3 22	9 38.92	+17 44.1	1.114	1.980	19.1	19.7

429889 2012 TH_{38} 2 17.7 119°.08 0°.4/18.1 17

1 12	10 25.18	+ 9 4.5	2.554	3.334	11.8	21.8
1 22	10 20.60	+ 9 20.1	2.472	3.345	9.1	21.6
2 1	10 14.33	+ 9 45.1	2.415	3.355	6.0	21.4
2 11	10 6.88	+10 16.6	2.386	3.365	2.6	21.2
2 21	9 58.93	+10 50.8	2.387	3.374	1.1	21.1
3 2	9 51.24	+11 23.9	2.419	3.384	4.5	21.4
3 12	9 44.54	+11 52.4	2.479	3.393	7.7	21.6
3 22	9 39.37	+12 13.9	2.566	3.402	10.5	21.8

373843 2003 FE_{67} 2 17.7 282°.45 6°.5/12.5 17

1 12	10 30.96	+27 34.8	1.870	2.690	13.9	20.8
1 22	10 26.16	+28 34.0	1.783	2.673	11.0	20.6
2 1	10 18.54	+29 32.7	1.719	2.656	8.2	20.4
2 11	10 8.78	+30 22.2	1.682	2.639	6.6	20.2
2 21	9 57.96	+30 54.0	1.672	2.622	7.5	20.3
3 2	9 47.40	+31 2.7	1.689	2.605	10.4	20.4
3 12	9 38.44	+30 46.6	1.730	2.588	13.6	20.5
3 22	9 32.00	+30 8.1	1.793	2.570	16.7	20.7

296282 2009 DP_{65} 2 17.7 215°.63 0°.9/18.8 17

1 12	10 21.73	+ 4 59.3	2.559	3.331	12.0	21.1
1 22	10 18.11	+ 5 44.6	2.462	3.328	9.4	20.9
2 1	10 12.81	+ 6 44.0	2.390	3.325	6.3	20.7
2 11	10 6.30	+ 7 54.5	2.345	3.321	2.9	20.5
2 21	9 59.20	+ 9 11.2	2.331	3.318	1.2	20.3
3 2	9 52.23	+10 28.7	2.347	3.314	4.5	20.5
3 12	9 46.13	+11 41.6	2.393	3.310	7.8	20.7
3 22	9 41.47	+12 45.5	2.465	3.306	10.7	20.9

508651 2017 TF_{12} 2 17.7 187°.37 1°.2/19.1 17

1 12	10 23.62	+ 5 45.7	3.074	3.835	10.4	21.9
1 22	10 19.21	+ 5 59.2	2.976	3.834	8.2	21.8
2 1	10 13.35	+ 6 22.5	2.902	3.833	5.5	21.6
2 11	10 6.48	+ 6 53.4	2.858	3.832	2.7	21.4
2 21	9 59.12	+ 7 29.4	2.844	3.830	1.3	21.3
3 2	9 51.91	+ 8 7.0	2.861	3.827	3.8	21.5
3 12	9 45.45	+ 8 42.9	2.908	3.824	6.6	21.6
3 22	9 40.22	+ 9 14.4	2.982	3.821	9.1	21.8

326024 2010 WQ_{73} 2 17.7 84°.96 2°.8/15.4 18

1 12	10 29.22	+16 41.5	1.810	2.622	14.6	21.0
1 22	10 24.30	+17 36.9	1.751	2.644	11.1	20.8
2 1	10 16.97	+18 39.5	1.716	2.665	7.1	20.6
2 11	10 8.00	+19 42.2	1.709	2.687	3.5	20.4
2 21	9 58.42	+20 37.4	1.730	2.708	3.8	20.5
3 2	9 49.38	+21 19.4	1.779	2.729	7.4	20.8
3 12	9 41.93	+21 44.8	1.855	2.749	11.0	21.0
3 22	9 36.72	+21 53.3	1.954	2.770	14.1	21.3

299531 2006 DF_{31} 2 17.7 300°.41 1°.7/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 33.18	+15 48.4	1.463	2.279	17.3	19.9
1 22	10 28.21	+15 49.1	1.380	2.273	13.4	19.7
2 1	10 20.03	+15 57.5	1.318	2.268	8.7	19.4
2 11	10 9.43	+16 8.0	1.281	2.262	3.7	19.1
2 21	9 57.68	+16 14.6	1.272	2.257	2.9	19.0
3 2	9 46.34	+16 12.1	1.289	2.252	8.0	19.3
3 12	9 36.93	+15 57.6	1.332	2.247	12.9	19.5
3 22	9 30.44	+15 30.6	1.397	2.242	17.2	19.8

29327 1994 SV_9 2 17.7 7°.12 3°.8/15.7 18

1 12	10 28.75	+17 57.7	1.179	2.021	19.0	17.6
1 22	10 25.34	+18 29.6	1.113	2.021	14.6	17.3
2 1	10 18.39	+19 10.6	1.067	2.021	9.5	17.0
2 11	10 8.80	+19 51.8	1.044	2.023	4.7	16.7
2 21	9 58.03	+20 23.6	1.045	2.026	5.0	16.7
3 2	9 47.90	+20 38.3	1.071	2.029	9.9	17.0
3 12	9 40.04	+20 32.4	1.119	2.033	14.9	17.3
3 22	9 35.45	+20 6.7	1.187	2.038	19.2	17.6

127738 2003 FH_8 2 17.7 37°.68 0°.7/18.4 18

1 12	10 22.50	+ 7 13.7	2.336	3.120	12.6	20.1
1 22	10 18.81	+ 7 40.4	2.248	3.122	9.8	19.9
2 1	10 13.31	+ 8 19.5	2.184	3.124	6.5	19.7
2 11	10 6.52	+ 9 7.9	2.148	3.126	2.9	19.4
2 21	9 59.14	+10 1.0	2.141	3.128	1.2	19.3
3 2	9 51.98	+10 54.0	2.164	3.131	4.8	19.6
3 12	9 45.81	+11 42.0	2.215	3.133	8.3	19.8
3 22	9 41.23	+12 21.6	2.291	3.136	11.3	20.0

463536 2013 RB_{28} 2 17.7 224°.71 1°.6/19.2 17

1 12	10 24.95	+ 4 24.3	2.250	3.020	13.5	22.5
1 22	10 20.84	+ 4 47.8	2.149	3.012	10.7	22.3
2 1	10 14.74	+ 5 26.6	2.072	3.004	7.3	22.1
2 11	10 7.16	+ 6 18.0	2.022	2.996	3.7	21.9
2 21	9 58.82	+ 7 18.0	2.001	2.987	1.7	21.7
3 2	9 50.61	+ 8 20.9	2.010	2.977	5.0	21.9
3 12	9 43.42	+ 9 21.0	2.047	2.967	8.7	22.1
3 22	9 37.93	+10 13.8	2.110	2.957	12.1	22.3

103987 2000 DS_{92} 2 17.7 133°.00 0°.8/18.5 18

1 12	10 27.50	+ 6 34.7	2.098	2.876	14.1	21.0
1 22	10 22.74	+ 7 7.2	2.019	2.889	10.9	20.8
2 1	10 15.90	+ 7 54.0	1.964	2.902	7.3	20.6
2 11	10 7.59	+ 8 51.3	1.936	2.914	3.3	20.4
2 21	9 58.64	+ 9 53.5	1.938	2.925	1.3	20.3
3 2	9 50.01	+10 54.9	1.970	2.936	5.3	20.5
3 12	9 42.62	+11 49.8	2.031	2.947	9.0	20.8
3 22	9 37.11	+12 34.5	2.116	2.956	12.3	21.0

126762 2002 DC_{11} 2 17.7 150°.90 10°.3/ 8.0 18

1 12	10 41.30	+44 41.6	2.271	3.045	13.2	19.8
1 22	10 33.76	+45 54.5	2.221	3.052	11.6	19.7
2 1	10 23.19	+46 52.7	2.195	3.057	10.6	19.6
2 11	10 10.56	+47 26.7	2.194	3.063	10.4	19.6
2 21	9 57.25	+47 30.5	2.218	3.068	11.1	19.7
3 2	9 44.77	+47 2.6	2.267	3.072	12.6	19.8
3 12	9 34.42	+46 5.8	2.337	3.077	14.2	19.9
3 22	9 26.98	+44 46.2	2.427	3.081	15.8	20.0

425304 2009 YU_4 2 17.7 53°.73 3°.9/20.4 18

1 12	10 29.26	+ 2 2.6	1.910	2.673	15.8	20.8
1 22	10 24.27	+ 1 21.4	1.830	2.683	12.7	20.6
2 1	10 16.99	+ 0 55.1	1.772	2.693	9.2	20.4
2 11	10 8.06	+ 0 43.5	1.740	2.703	5.7	20.2
2 21	9 58.42	+ 0 45.1	1.736	2.713	4.0	20.1
3 2	9 49.13	+ 0 56.5	1.760	2.724	6.1	20.3
3 12	9 41.22	+ 1 13.3	1.812	2.734	9.5	20.5
3 22	9 35.39	+ 1 31.0	1.888	2.745	12.8	20.7

293687 2007 PB_{34} 2 17.7 136°.04 1°.3/18.8 18

1 12	10 28.56	+ 5 18.3	1.888	2.667	15.4	21.6
1 22	10 23.79	+ 5 46.8	1.810	2.679	12.1	21.4
2 1	10 16.70	+ 6 32.0	1.754	2.690	8.1	21.1
2 11	10 7.95	+ 7 30.2	1.725	2.701	3.8	20.9
2 21	9 58.48	+ 8 35.5	1.724	2.711	1.6	20.8
3 2	9 49.35	+ 9 41.4	1.754	2.721	5.7	21.0
3 12	9 41.60	+10 41.2	1.811	2.730	9.7	21.3
3 22	9 35.96	+11 30.7	1.892	2.738	13.3	21.5

134871 2000 QT_{84} 2 17.7 86°.11 1°.8/19.5 18

1 12	10 24.66	+ 4 23.8	2.443	3.209	12.6	19.8
1 22	10 20.25	+ 4 30.2	2.366	3.225	9.9	19.7
2 1	10 14.13	+ 4 49.1	2.312	3.242	6.8	19.5
2 11	10 6.83	+ 5 18.2	2.286	3.258	3.6	19.3
2 21	9 59.04	+ 5 54.3	2.289	3.274	1.9	19.2
3 2	9 51.54	+ 6 33.3	2.322	3.290	4.5	19.4
3 12	9 45.07	+ 7 11.0	2.385	3.305	7.6	19.6
3 22	9 40.16	+ 7 43.9	2.472	3.321	10.5	19.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
343026 2009 BV_{122}			2 17.7 102°.89		0°.0/17.7 18	
	h m	° ′			°	m
1 12	10 26.68	+11 3.0	2.438	3.224	12.1	21.1
1 22	10 21.82	+11 13.5	2.359	3.236	9.3	20.9
2 1	10 15.16	+11 32.1	2.305	3.247	6.0	20.7
2 11	10 7.26	+11 55.7	2.279	3.259	2.5	20.5
2 21	9 58.85	+12 20.6	2.283	3.270	1.2	20.4
3 2	9 50.74	+12 43.2	2.318	3.281	4.8	20.7
3 12	9 43.72	+13 0.3	2.381	3.292	8.1	20.9
3 22	9 38.33	+13 10.0	2.469	3.303	11.0	21.1
430368 2014 BD_{26}			2 17.7 100°.84		2°.4/14.9 18	
1 12	10 23.00	+15 53.2	2.439	3.245	11.5	20.7
1 22	10 19.15	+17 9.3	2.364	3.255	8.7	20.5
2 1	10 13.52	+18 32.9	2.316	3.264	5.6	20.3
2 11	10 6.62	+19 58.1	2.296	3.273	2.8	20.2
2 21	9 59.15	+21 18.4	2.307	3.283	3.3	20.2
3 2	9 51.91	+22 28.0	2.347	3.292	6.2	20.4
3 12	9 45.69	+23 23.1	2.416	3.301	9.2	20.6
3 22	9 41.06	+24 1.8	2.509	3.309	11.8	20.8
122371 2000 QH_{60}			2 17.7 182°.08		3°.7/14.6 16	
1 12	10 32.17	+22 32.8	2.303	3.105	12.2	20.4
1 22	10 26.28	+23 7.5	2.221	3.106	9.4	20.2
2 1	10 18.20	+23 43.5	2.164	3.106	6.4	20.0
2 11	10 8.55	+24 14.9	2.135	3.106	4.0	19.9
2 21	9 58.22	+24 36.4	2.137	3.105	4.5	19.9
3 2	9 48.24	+24 44.1	2.169	3.104	7.2	20.1
3 12	9 39.57	+24 36.5	2.227	3.102	10.3	20.3
3 22	9 32.90	+24 14.4	2.310	3.100	13.0	20.4
221234 2005 UG_{178}			2 17.7 113°.67		1°.4/16.6 18	
1 12	10 28.03	+13 51.9	1.970	2.773	13.9	21.1
1 22	10 23.33	+14 24.3	1.894	2.782	10.6	20.9
2 1	10 16.37	+15 5.6	1.843	2.790	6.8	20.7
2 11	10 7.81	+15 50.7	1.818	2.799	2.8	20.4
2 21	9 58.58	+16 33.6	1.823	2.807	2.4	20.4
3 2	9 49.71	+17 9.0	1.856	2.815	6.3	20.7
3 12	9 42.21	+17 33.0	1.917	2.823	10.1	20.9
3 22	9 36.76	+17 44.1	2.002	2.830	13.3	21.1
422084 2014 QW_{389}			2 17.7 336°.31		1°.0/17.2 18	
1 12	10 29.77	+13 30.6	1.485	2.302	17.0	20.3
1 22	10 25.50	+13 35.7	1.404	2.298	13.2	20.0
2 1	10 18.23	+13 51.3	1.344	2.294	8.6	19.7
2 11	10 8.71	+14 12.5	1.309	2.290	3.5	19.4
2 21	9 58.12	+14 33.2	1.301	2.287	2.3	19.3
3 2	9 47.92	+14 47.5	1.320	2.284	7.5	19.6
3 12	9 39.51	+14 51.3	1.363	2.282	12.3	19.9
3 22	9 33.82	+14 42.7	1.429	2.280	16.5	20.1
6056 Donatello			2 17.7 296°.94		1°.9/19.2 18	
1 12	10 24.63	+ 5 6.5	1.848	2.634	15.4	17.9
1 22	10 21.19	+ 5 12.8	1.738	2.610	12.3	17.6
2 1	10 15.32	+ 5 35.7	1.651	2.587	8.5	17.3
2 11	10 7.54	+ 6 13.5	1.588	2.563	4.3	17.0
2 21	9 58.65	+ 7 2.1	1.553	2.539	2.1	16.8
3 2	9 49.77	+ 7 55.8	1.547	2.516	6.0	17.0
3 12	9 42.06	+ 8 47.9	1.567	2.492	10.5	17.2
3 22	9 36.42	+ 9 32.8	1.610	2.469	14.6	17.4
462017 2006 XC_{71}			2 17.7 46°.37		0°.9/18.3 18	
1 12	10 29.64	+ 8 15.2	1.360	2.169	18.7	21.2
1 22	10 25.06	+ 8 24.0	1.312	2.199	14.4	21.0
2 1	10 17.62	+ 8 49.5	1.285	2.230	9.5	20.8
2 11	10 8.31	+ 9 26.6	1.282	2.261	4.1	20.6
2 21	9 58.41	+10 8.6	1.305	2.293	1.7	20.5
3 2	9 49.32	+10 48.3	1.355	2.325	6.7	20.9
3 12	9 42.23	+11 20.0	1.431	2.357	11.3	21.2
3 22	9 37.81	+11 40.4	1.529	2.389	15.1	21.6
231678 1995 QC_{1}			2 17.7 95°.58		0°.7/18.3 18	
1 12	10 29.91	+ 6 17.6	1.482	2.278	18.1	20.8
1 22	10 25.29	+ 6 59.0	1.419	2.299	14.0	20.6
2 1	10 17.86	+ 8 0.2	1.377	2.319	9.3	20.3
2 11	10 8.47	+ 9 15.5	1.361	2.340	4.0	20.1
2 21	9 58.30	+10 36.5	1.372	2.359	1.6	20.0
3 2	9 48.71	+11 53.9	1.411	2.378	6.7	20.3
3 12	9 40.93	+13 0.0	1.476	2.397	11.4	20.6
3 22	9 35.76	+13 50.4	1.564	2.415	15.3	20.9
251518 2008 FW_{118}			2 17.7 235°.46		0°.2/18.0 17	
1 12	10 21.68	+ 8 36.0	2.872	3.651	10.6	21.0
1 22	10 17.91	+ 9 7.4	2.772	3.645	8.2	20.8
2 1	10 12.62	+ 9 48.6	2.698	3.639	5.4	20.6
2 11	10 6.25	+10 36.7	2.653	3.632	2.3	20.4
2 21	9 59.35	+11 27.9	2.638	3.625	1.0	20.3
3 2	9 52.57	+12 18.3	2.653	3.618	4.2	20.5
3 12	9 46.57	+13 3.8	2.698	3.611	7.2	20.7
3 22	9 41.85	+13 41.8	2.769	3.603	9.9	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
456673 2007 RG_{91}			2 17.7 122°.59		0°.2/17.9 18	
	h m	° ′			°	m
1 12	10 29.56	+ 8 42.5	1.845	2.634	15.3	22.3
1 22	10 24.58	+ 9 15.1	1.772	2.649	11.8	22.1
2 1	10 17.22	+10 1.6	1.722	2.664	7.7	21.9
2 11	10 8.18	+10 57.5	1.699	2.678	3.2	21.6
2 21	9 58.44	+11 56.4	1.705	2.692	1.5	21.5
3 2	9 49.12	+12 51.7	1.740	2.705	6.0	21.8
3 12	9 41.27	+13 38.1	1.803	2.717	10.1	22.1
3 22	9 35.59	+14 12.3	1.890	2.729	13.6	22.3
288618 2004 NK_{15}			2 17.7 183°.57		0°.1/17.7 18	
1 12	10 29.46	+ 8 59.4	1.906	2.694	14.9	21.8
1 22	10 24.62	+ 9 37.6	1.818	2.695	11.6	21.6
2 1	10 17.36	+10 30.3	1.753	2.696	7.6	21.3
2 11	10 8.30	+11 32.9	1.715	2.695	3.1	21.0
2 21	9 58.37	+12 39.1	1.707	2.694	1.6	20.9
3 2	9 48.68	+13 41.7	1.728	2.692	6.1	21.2
3 12	9 40.35	+14 34.9	1.777	2.689	10.3	21.5
3 22	9 34.16	+15 15.0	1.850	2.685	14.0	21.7
367333 2008 CP_{80}			2 17.7 314°.16		2°.4/15.6 17	
1 12	10 22.13	+11 43.1	1.538	2.362	16.2	20.9
1 22	10 19.70	+13 12.7	1.450	2.349	12.4	20.6
2 1	10 14.55	+15 2.5	1.384	2.337	8.0	20.3
2 11	10 7.28	+17 4.2	1.344	2.325	3.5	20.0
2 21	9 58.86	+19 6.4	1.332	2.314	3.8	20.0
3 2	9 50.59	+20 56.9	1.347	2.302	8.6	20.2
3 12	9 43.79	+22 26.2	1.387	2.292	13.2	20.5
3 22	9 39.43	+23 29.9	1.449	2.282	17.3	20.7
32132 Andrewamini			2 17.7 173°.54		1°.4/16.5 18	
1 12	10 29.07	+11 59.8	1.866	2.665	14.8	18.9
1 22	10 24.38	+12 57.0	1.783	2.669	11.3	18.7
2 1	10 17.23	+14 7.4	1.724	2.671	7.3	18.4
2 11	10 8.27	+15 24.7	1.692	2.673	3.0	18.2
2 21	9 58.44	+16 41.1	1.690	2.674	2.6	18.2
3 2	9 48.89	+17 49.1	1.717	2.675	6.8	18.4
3 12	9 40.74	+18 42.9	1.771	2.675	10.9	18.7
3 22	9 34.79	+19 19.8	1.849	2.674	14.4	18.9
241280 2007 UA_{1}			2 17.7 35°.41		1°.8/19.4 18	
1 12	10 22.83	+ 4 22.7	1.970	2.753	14.7	20.4
1 22	10 19.35	+ 4 39.9	1.891	2.761	11.6	20.2
2 1	10 13.81	+ 5 13.2	1.835	2.770	7.9	20.0
2 11	10 6.81	+ 5 59.8	1.805	2.779	4.0	19.8
2 21	9 59.16	+ 6 54.9	1.803	2.789	1.9	19.6
3 2	9 51.82	+ 7 52.7	1.830	2.799	5.2	19.9
3 12	9 45.68	+ 8 47.3	1.884	2.809	9.0	20.1
3 22	9 41.39	+ 9 33.9	1.962	2.820	12.4	20.4
205810 2002 CO_{198}			2 17.7 257°.06		0°.3/17.5 18	
1 12	10 29.71	+11 9.6	1.694	2.496	15.9	20.8
1 22	10 25.27	+11 25.2	1.598	2.484	12.4	20.5
2 1	10 18.06	+11 53.7	1.524	2.470	8.1	20.2
2 11	10 8.70	+12 30.6	1.476	2.457	3.3	19.9
2 21	9 58.20	+13 10.2	1.456	2.443	1.8	19.8
3 2	9 47.87	+13 46.1	1.464	2.429	6.9	20.1
3 12	9 39.00	+14 12.7	1.498	2.414	11.6	20.3
3 22	9 32.58	+14 27.1	1.555	2.400	15.7	20.5
324448 2006 TU_{93}			2 17.7 56°.67		1°.9/19.2 18	
1 12	10 26.86	+ 4 15.0	1.501	2.295	18.0	20.7
1 22	10 22.84	+ 4 39.2	1.444	2.320	14.1	20.5
2 1	10 16.21	+ 5 23.9	1.407	2.345	9.5	20.3
2 11	10 7.80	+ 6 24.6	1.394	2.370	4.7	20.1
2 21	9 58.73	+ 7 34.1	1.409	2.395	2.1	20.0
3 2	9 50.25	+ 8 44.3	1.451	2.421	6.2	20.3
3 12	9 43.48	+ 9 47.4	1.519	2.446	10.6	20.6
3 22	9 39.14	+10 38.4	1.610	2.472	14.4	20.9
90024 2002 UT_{7}			2 17.8 52°.68		4°.9/12.7 18	
1 12	10 24.94	+23 22.3	2.114	2.935	12.5	19.8
1 22	10 21.04	+24 42.1	2.044	2.939	9.6	19.6
2 1	10 14.95	+26 4.6	1.999	2.942	6.7	19.5
2 11	10 7.30	+27 21.9	1.982	2.946	5.0	19.4
2 21	9 58.94	+28 26.7	1.994	2.950	5.9	19.4
3 2	9 50.89	+29 13.4	2.033	2.954	8.5	19.6
3 12	9 44.11	+29 39.2	2.098	2.958	11.4	19.8
3 22	9 39.29	+29 44.6	2.185	2.963	14.1	20.0
260733 2005 LV_{19}			2 17.8 191°.59		1°.0/18.8 18	
1 12	10 25.58	+ 4 34.7	2.289	3.058	13.3	20.6
1 22	10 21.29	+ 5 24.7	2.193	3.056	10.5	20.4
2 1	10 15.04	+ 6 31.1	2.120	3.054	7.0	20.2
2 11	10 7.34	+ 7 50.3	2.075	3.052	3.3	19.9
2 21	9 58.92	+ 9 16.9	2.061	3.048	1.3	19.8
3 2	9 50.64	+10 44.1	2.078	3.044	5.0	20.0
3 12	9 43.39	+12 5.3	2.124	3.040	8.7	20.2
3 22	9 37.83	+13 15.8	2.196	3.034	12.0	20.4

69827 1998 RR_{72} 2 17.8 111°.48 0°.0/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 25.35	+ 9 31.7	2.218	3.007	13.0	19.1
1 22	10 21.05	+10 3.3	2.139	3.017	10.0	18.9
2 1	10 14.81	+10 46.2	2.084	3.027	6.5	18.7
2 11	10 7.21	+11 36.3	2.056	3.036	2.7	18.5
2 21	9 59.01	+12 28.7	2.059	3.046	1.3	18.4
3 2	9 51.10	+13 18.1	2.091	3.055	5.2	18.7
3 12	9 44.33	+14 0.0	2.151	3.064	8.7	18.9
3 22	9 39.30	+14 31.5	2.236	3.073	11.8	19.1

312997 1999 TG_{245} 2 17.8 132°.49 0°.8/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.59	+11 52.7	2.015	2.806	14.1	21.9
1 22	10 25.20	+12 24.8	1.941	2.821	10.8	21.7
2 1	10 17.56	+13 7.1	1.891	2.835	6.9	21.5
2 11	10 8.34	+13 54.8	1.868	2.849	2.8	21.2
2 21	9 58.47	+14 41.9	1.876	2.861	1.9	21.2
3 2	9 49.00	+15 23.1	1.913	2.874	5.9	21.5
3 12	9 40.92	+15 54.3	1.978	2.885	9.7	21.7
3 22	9 34.90	+16 13.4	2.067	2.896	13.0	21.9

206106 2002 RN_{192} 2 17.8 127°.47 0°.3/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.89	+10 30.2	2.351	3.141	12.4	21.0
1 22	10 20.62	+11 3.9	2.270	3.149	9.5	20.8
2 1	10 14.50	+11 47.7	2.212	3.156	6.1	20.6
2 11	10 7.07	+12 37.7	2.183	3.163	2.5	20.4
2 21	9 59.08	+13 29.0	2.184	3.170	1.4	20.3
3 2	9 51.33	+14 16.7	2.214	3.177	5.1	20.6
3 12	9 44.65	+14 56.6	2.273	3.184	8.5	20.8
3 22	9 39.61	+15 26.2	2.357	3.190	11.5	21.0

17867 1998 KD_{46} 2 17.8 293°.19 1°.8/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 20.67	+16 55.4	3.104	3.907	9.4	18.3
1 22	10 17.08	+17 39.0	3.013	3.901	7.1	18.2
2 1	10 12.06	+18 27.5	2.948	3.895	4.6	18.0
2 11	10 6.05	+19 16.9	2.912	3.890	2.2	17.8
2 21	9 59.56	+20 3.3	2.906	3.884	2.5	17.8
3 2	9 53.21	+20 43.1	2.931	3.879	4.9	18.0
3 12	9 47.60	+21 13.5	2.984	3.873	7.5	18.2
3 22	9 43.20	+21 33.1	3.063	3.868	9.8	18.3

306043 2010 EM_{142} 2 17.8 238°.42 0°.7/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.15	+11 23.6	1.801	2.599	15.3	22.1
1 22	10 25.49	+11 53.7	1.702	2.586	11.9	21.8
2 1	10 18.16	+12 37.1	1.626	2.571	7.8	21.6
2 11	10 8.75	+13 28.9	1.576	2.556	3.1	21.2
2 21	9 58.22	+14 22.7	1.555	2.541	2.0	21.1
3 2	9 47.81	+15 11.5	1.562	2.525	6.8	21.4
3 12	9 38.77	+15 49.6	1.597	2.508	11.4	21.6
3 22	9 32.05	+16 13.8	1.655	2.491	15.4	21.8

205275 2000 SD_{96} 2 17.8 119°.47 3°.4/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.69	+ 1 2.5	1.725	2.492	17.1	20.5
1 22	10 24.12	+ 1 3.4	1.647	2.504	13.7	20.3
2 1	10 17.06	+ 1 24.6	1.591	2.515	9.8	20.0
2 11	10 8.21	+ 2 4.2	1.559	2.526	5.7	19.8
2 21	9 58.54	+ 2 58.0	1.555	2.536	3.4	19.7
3 2	9 49.26	+ 3 59.5	1.579	2.547	6.1	19.9
3 12	9 41.46	+ 5 1.2	1.630	2.556	10.1	20.2
3 22	9 35.93	+ 5 57.0	1.706	2.566	13.8	20.4

429918 2012 TY_{179} 2 17.8 194°.71 3°.8/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.86	− 2 21.5	2.539	3.272	13.1	21.7
1 22	10 19.76	− 2 27.8	2.441	3.271	10.7	21.5
2 1	10 13.94	− 2 18.4	2.365	3.269	8.0	21.3
2 11	10 6.87	− 1 53.6	2.315	3.268	5.4	21.1
2 21	9 59.18	− 1 15.6	2.294	3.266	3.8	21.0
3 2	9 51.65	− 0 28.0	2.303	3.264	5.1	21.1
3 12	9 45.01	+ 0 24.3	2.340	3.261	7.7	21.3
3 22	9 39.85	+ 1 16.7	2.403	3.259	10.5	21.4

417732 2007 CX_{43} 2 17.8 339°.18 0°.1/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 18.92	+ 6 1.1	1.437	2.254	17.5	20.5
1 22	10 17.31	+ 7 13.7	1.349	2.242	13.7	20.2
2 1	10 13.04	+ 8 52.9	1.282	2.231	9.0	19.9
2 11	10 6.69	+10 52.4	1.240	2.221	3.7	19.6
2 21	9 59.24	+13 1.9	1.224	2.212	1.9	19.4
3 2	9 51.96	+15 8.4	1.236	2.203	7.4	19.7
3 12	9 46.17	+16 59.8	1.272	2.196	12.6	20.0
3 22	9 42.81	+18 28.4	1.330	2.190	17.0	20.2

425014 2009 DW_{125} 2 17.8 192°.24 3°.8/14.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.96	+24 38.4	2.702	3.505	10.6	21.1
1 22	10 23.57	+25 9.3	2.620	3.504	8.2	20.9
2 1	10 16.34	+25 39.6	2.564	3.503	5.7	20.7
2 11	10 7.83	+26 4.6	2.536	3.502	3.9	20.6
2 21	9 58.77	+26 19.8	2.539	3.500	4.4	20.6
3 2	9 50.00	+26 22.3	2.571	3.499	6.7	20.8
3 12	9 42.32	+26 11.0	2.631	3.497	9.2	20.9
3 22	9 36.30	+25 46.5	2.715	3.494	11.6	21.1

8486 1989 QV 2 17.8 61°.16 10°.0/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 37.32	+43 3.1	2.170	2.957	13.4	18.0
1 22	10 30.66	+44 9.7	2.128	2.970	11.6	17.9
2 1	10 21.16	+45 1.8	2.109	2.984	10.4	17.9
2 11	10 9.80	+45 30.6	2.114	2.997	10.0	17.9
2 21	9 57.88	+45 30.9	2.145	3.010	10.8	17.9
3 2	9 46.81	+45 1.0	2.200	3.024	12.3	18.0
3 12	9 37.80	+44 4.1	2.277	3.037	14.0	18.2
3 22	9 31.51	+42 45.6	2.374	3.051	15.6	18.4

173256 1999 RT_{114} 2 17.8 87°.32 2°.2/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.36	+ 5 12.5	1.672	2.452	17.0	20.5
1 22	10 26.08	+ 5 8.3	1.606	2.474	13.3	20.3
2 1	10 18.25	+ 5 20.5	1.562	2.496	9.1	20.1
2 11	10 8.67	+ 5 46.2	1.543	2.517	4.6	19.8
2 21	9 58.40	+ 6 21.0	1.552	2.538	2.3	19.7
3 2	9 48.69	+ 6 59.0	1.590	2.558	6.0	20.0
3 12	9 40.64	+ 7 34.4	1.655	2.579	10.2	20.3
3 22	9 34.98	+ 8 3.1	1.744	2.598	13.8	20.6

233588 2007 RD_{58} 2 17.8 220°.88 0°.2/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.49	+ 9 26.1	1.927	2.718	14.7	21.0
1 22	10 23.99	+10 3.0	1.830	2.710	11.4	20.8
2 1	10 17.05	+10 54.4	1.757	2.700	7.5	20.5
2 11	10 8.28	+11 55.7	1.710	2.690	3.1	20.2
2 21	9 58.53	+13 0.8	1.693	2.680	1.6	20.1
3 2	9 48.93	+14 2.8	1.705	2.669	6.2	20.4
3 12	9 40.60	+14 55.4	1.745	2.657	10.5	20.6
3 22	9 34.37	+15 35.0	1.808	2.644	14.2	20.8

421245 2013 SV_{51} 2 17.8 142°.45 0°.6/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.36	+11 35.7	2.194	2.988	13.0	21.4
1 22	10 21.90	+12 6.2	2.112	2.994	10.0	21.3
2 1	10 15.42	+12 46.6	2.054	2.999	6.4	21.0
2 11	10 7.51	+13 32.7	2.023	3.003	2.6	20.8
2 21	9 58.94	+14 19.2	2.022	3.008	1.7	20.7
3 2	9 50.66	+15 1.2	2.050	3.012	5.5	21.0
3 12	9 43.53	+15 34.6	2.107	3.016	9.1	21.2
3 22	9 38.20	+15 56.8	2.188	3.020	12.2	21.4

228271 1999 TG_{266} 2 17.8 131°.32 3°.3/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.51	− 1 34.5	2.662	3.390	12.6	21.4
1 22	10 21.57	− 1 34.1	2.578	3.407	10.3	21.3
2 1	10 14.99	− 1 18.9	2.517	3.423	7.5	21.1
2 11	10 7.28	− 0 49.8	2.483	3.439	4.8	21.0
2 21	9 59.07	− 0 9.6	2.480	3.454	3.3	20.9
3 2	9 51.11	+ 0 38.1	2.506	3.468	4.7	21.0
3 12	9 44.11	+ 1 28.7	2.563	3.481	7.3	21.2
3 22	9 38.57	+ 2 17.9	2.646	3.494	9.9	21.4

323433 2004 FY_{147} 2 17.8 325°.11 4°.2/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.05	+ 3 57.5	1.563	2.347	17.8	20.2
1 22	10 25.68	+ 3 3.8	1.471	2.337	14.5	19.9
2 1	10 18.41	+ 2 24.6	1.400	2.328	10.4	19.6
2 11	10 8.91	+ 2 0.2	1.352	2.320	6.3	19.4
2 21	9 58.23	+ 1 49.8	1.331	2.312	4.2	19.2
3 2	9 47.76	+ 1 50.5	1.337	2.304	7.2	19.4
3 12	9 38.86	+ 1 57.5	1.369	2.297	11.6	19.6
3 22	9 32.53	+ 2 5.8	1.424	2.290	15.7	19.8

120777 1998 DZ_{25} 2 17.8 143°.66 1°.3/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.04	+13 45.4	2.168	2.965	13.0	21.2
1 22	10 23.19	+14 18.7	2.088	2.972	9.9	21.0
2 1	10 16.26	+15 0.4	2.033	2.979	6.4	20.8
2 11	10 7.85	+15 45.6	2.006	2.986	2.6	20.6
2 21	9 58.79	+16 28.9	2.008	2.992	2.2	20.5
3 2	9 50.05	+17 5.5	2.040	2.998	5.9	20.8
3 12	9 42.53	+17 31.6	2.100	3.004	9.4	21.0
3 22	9 36.89	+17 45.5	2.185	3.009	12.5	21.2

283487 2001 SZ_{40} 2 17.8 149°.13 0°.8/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.84	+ 6 32.0	1.915	2.694	15.2	22.1
1 22	10 24.81	+ 7 7.8	1.834	2.705	11.8	21.9
2 1	10 17.44	+ 7 59.6	1.777	2.715	7.9	21.7
2 11	10 8.37	+ 9 3.0	1.747	2.725	3.5	21.4
2 21	9 58.54	+10 12.0	1.746	2.733	1.4	21.3
3 2	9 49.05	+11 19.7	1.775	2.741	5.7	21.6
3 12	9 40.93	+12 19.7	1.832	2.748	9.8	21.9
3 22	9 34.94	+13 7.9	1.914	2.754	13.4	22.1

240856 2006 BA_{189} 2 17.8 255°.17 3°.4/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.93	+16 54.7	1.586	2.407	15.9	20.6
1 22	10 24.87	+17 50.0	1.502	2.399	12.2	20.3
2 1	10 17.90	+18 55.9	1.440	2.390	8.0	20.0
2 11	10 8.69	+20 4.5	1.404	2.382	4.1	19.8
2 21	9 58.35	+21 6.6	1.395	2.373	4.5	19.8
3 2	9 48.28	+21 54.1	1.414	2.365	8.7	20.0
3 12	9 39.86	+22 21.9	1.457	2.356	13.1	20.2
3 22	9 34.05	+22 28.8	1.522	2.347	17.0	20.5

90202 2003 AU_{65} 2 17.8 311°.41 9°.8/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 29.13	+33 36.0	1.669	2.496	14.9	19.0
1 22	10 25.28	+35 27.4	1.604	2.489	12.4	18.8
2 1	10 18.27	+37 14.1	1.563	2.481	10.4	18.7
2 11	10 8.86	+38 43.3	1.547	2.474	9.9	18.7
2 21	9 58.29	+39 44.4	1.556	2.467	11.2	18.7
3 2	9 48.13	+40 11.0	1.588	2.460	13.7	18.8
3 12	9 39.88	+40 3.0	1.642	2.454	16.4	19.0
3 22	9 34.52	+39 24.7	1.714	2.448	18.9	19.2

95128 2002 AR_{152} 2 17.8 292°.67 0°.1/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.07	+10 43.4	1.906	2.702	14.6	19.8
1 22	10 23.57	+10 48.6	1.818	2.699	11.3	19.6
2 1	10 16.70	+11 4.5	1.753	2.697	7.4	19.3
2 11	10 8.10	+11 27.6	1.714	2.694	3.1	19.0
2 21	9 58.67	+11 53.4	1.704	2.691	1.4	18.9
3 2	9 49.52	+12 17.0	1.723	2.689	5.9	19.2
3 12	9 41.70	+12 34.3	1.769	2.686	10.0	19.4
3 22	9 35.99	+12 42.6	1.839	2.684	13.6	19.7

245020 2004 DQ_{61} 2 17.8 36°.62 0°.1/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.38	+10 25.1	2.032	2.829	13.8	20.6
1 22	10 21.28	+10 39.0	1.952	2.834	10.6	20.4
2 1	10 15.08	+11 3.5	1.896	2.840	6.9	20.2
2 11	10 7.39	+11 35.0	1.867	2.847	2.9	19.9
2 21	9 59.04	+12 8.9	1.866	2.853	1.4	19.8
3 2	9 51.01	+12 40.3	1.894	2.860	5.5	20.1
3 12	9 44.21	+13 5.1	1.949	2.867	9.3	20.4
3 22	9 39.31	+13 20.8	2.029	2.874	12.6	20.6

400302 2007 TD_{136} 2 17.8 199°.10 0°.4/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.04	+ 8 9.9	2.036	2.819	14.3	22.1
1 22	10 24.22	+ 8 37.5	1.942	2.815	11.1	21.9
2 1	10 17.10	+ 9 18.8	1.872	2.811	7.4	21.6
2 11	10 8.27	+10 10.3	1.828	2.807	3.2	21.4
2 21	9 58.59	+11 6.5	1.814	2.801	1.4	21.2
3 2	9 49.10	+12 1.4	1.830	2.795	5.7	21.5
3 12	9 40.83	+12 49.5	1.874	2.788	9.8	21.7
3 22	9 34.56	+13 26.9	1.942	2.780	13.3	21.9

239295 2007 PS_{22} 2 17.8 174°.64 1°.8/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.27	+14 12.3	2.038	2.836	13.7	21.1
1 22	10 25.11	+14 58.1	1.954	2.839	10.5	20.9
2 1	10 17.64	+15 53.2	1.895	2.842	6.8	20.7
2 11	10 8.47	+16 52.1	1.864	2.843	2.9	20.4
2 21	9 58.51	+17 48.2	1.862	2.845	2.7	20.4
3 2	9 48.84	+18 35.5	1.890	2.845	6.6	20.7
3 12	9 40.50	+19 9.7	1.946	2.844	10.3	20.9
3 22	9 34.22	+19 29.1	2.025	2.843	13.6	21.1

386308 2008 SB_{56} 2 17.8 140°.95 1°.1/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.42	+13 9.7	2.247	3.044	12.6	21.6
1 22	10 21.91	+13 41.5	2.165	3.049	9.7	21.4
2 1	10 15.41	+14 21.8	2.108	3.054	6.2	21.2
2 11	10 7.51	+15 6.2	2.078	3.059	2.5	21.0
2 21	9 58.98	+15 49.7	2.079	3.064	2.0	21.0
3 2	9 50.72	+16 27.3	2.109	3.068	5.6	21.2
3 12	9 43.61	+16 55.3	2.166	3.072	9.1	21.4
3 22	9 38.27	+17 11.9	2.249	3.076	12.1	21.6

43167 1999 XY_{157} 2 17.8 102°.23 4°.0/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.85	− 2 16.4	2.260	2.998	14.4	19.3
1 22	10 21.37	− 2 22.2	2.181	3.014	11.7	19.1
2 1	10 15.00	− 2 10.4	2.124	3.030	8.7	18.9
2 11	10 7.32	− 1 41.9	2.092	3.046	5.7	18.8
2 21	9 59.08	− 0 59.6	2.089	3.062	4.0	18.7
3 2	9 51.13	− 0 7.8	2.115	3.077	5.4	18.8
3 12	9 44.29	+ 0 47.9	2.170	3.092	8.2	19.0
3 22	9 39.15	+ 1 42.2	2.250	3.107	11.1	19.2

423769 2006 DY_{143} 2 17.8 319°.08 0°.1/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.31	+ 9 30.6	1.751	2.559	15.3	21.1
1 22	10 20.24	+ 9 59.4	1.657	2.545	11.9	20.8
2 1	10 14.74	+10 43.4	1.584	2.531	7.8	20.6
2 11	10 7.37	+11 38.3	1.537	2.518	3.2	20.3
2 21	9 59.01	+12 38.0	1.518	2.505	1.6	20.1
3 2	9 50.81	+13 35.3	1.526	2.492	6.4	20.4
3 12	9 43.91	+14 23.8	1.560	2.480	10.9	20.6
3 22	9 39.16	+14 59.2	1.617	2.469	14.9	20.8

258288 2001 UL_{64} 2 17.8 49°.99 7°.9/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.49	− 8 46.3	1.664	2.392	19.1	19.7
1 22	10 21.80	− 9 29.3	1.591	2.406	16.2	19.5
2 1	10 15.63	− 9 45.9	1.537	2.419	13.0	19.3
2 11	10 7.67	− 9 33.9	1.504	2.433	10.0	19.2
2 21	9 58.91	− 8 54.7	1.496	2.448	8.0	19.1
3 2	9 50.51	− 7 53.1	1.513	2.462	8.5	19.1
3 12	9 43.60	− 6 37.7	1.556	2.477	10.9	19.3
3 22	9 38.94	− 5 17.5	1.623	2.492	13.9	19.5

344383 2001 XH_{224} 2 17.8 147°.75 4°.5/22.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.95	− 5 32.7	2.776	3.485	12.6	21.4
1 22	10 19.66	− 5 48.1	2.682	3.491	10.5	21.2
2 1	10 13.80	− 5 47.9	2.611	3.497	8.2	21.1
2 11	10 6.82	− 5 31.8	2.565	3.503	5.9	20.9
2 21	9 59.32	− 5 1.6	2.548	3.508	4.6	20.9
3 2	9 51.98	− 4 20.0	2.561	3.513	5.3	20.9
3 12	9 45.49	− 3 31.4	2.602	3.518	7.3	21.0
3 22	9 40.36	− 2 40.4	2.670	3.522	9.7	21.2

417541 2006 TG_{127} 2 17.8 131°.99 5°.2/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.10	− 5 28.1	2.001	2.730	16.2	22.5
1 22	10 21.89	− 5 31.6	1.916	2.739	13.5	22.3
2 1	10 15.52	− 5 12.7	1.851	2.748	10.4	22.1
2 11	10 7.59	− 4 31.5	1.811	2.757	7.2	21.9
2 21	9 58.94	− 3 31.0	1.798	2.765	5.3	21.8
3 2	9 50.56	− 2 16.5	1.814	2.773	6.4	21.9
3 12	9 43.40	− 0 55.6	1.857	2.780	9.3	22.1
3 22	9 38.16	+ 0 24.3	1.926	2.787	12.4	22.3

362019 2008 YA_{17} 2 17.8 35°.73 1°.2/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.42	+11 32.6	1.228	2.058	19.1	20.7
1 22	10 23.25	+12 11.0	1.168	2.069	14.6	20.4
2 1	10 16.90	+13 6.2	1.128	2.080	9.4	20.2
2 11	10 8.25	+14 10.8	1.111	2.093	3.8	19.9
2 21	9 58.65	+15 15.1	1.119	2.105	2.7	19.8
3 2	9 49.68	+16 9.6	1.153	2.119	8.2	20.2
3 12	9 42.76	+16 47.8	1.211	2.133	13.2	20.5
3 22	9 38.75	+17 6.9	1.289	2.148	17.5	20.8

162720 2000 UR_{110} 2 17.8 137°.29 3°.1/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.01	+16 42.6	1.867	2.676	14.4	20.2
1 22	10 25.06	+17 49.8	1.797	2.688	10.9	20.0
2 1	10 17.65	+19 5.4	1.751	2.699	7.1	19.8
2 11	10 8.48	+20 21.9	1.732	2.709	3.6	19.6
2 21	9 58.54	+21 31.0	1.743	2.719	4.1	19.6
3 2	9 49.01	+22 25.9	1.782	2.729	7.6	19.9
3 12	9 40.98	+23 2.8	1.849	2.737	11.3	20.1
3 22	9 35.19	+23 20.7	1.938	2.746	14.5	20.3

98741 2000 YH_{45} 2 17.8 307°.62 2°.3/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.00	+14 8.9	1.459	2.285	16.8	18.9
1 22	10 22.87	+14 53.0	1.371	2.271	13.0	18.6
2 1	10 16.75	+15 51.1	1.304	2.257	8.4	18.3
2 11	10 8.29	+16 56.5	1.262	2.243	3.7	18.0
2 21	9 58.58	+18 0.3	1.246	2.230	3.5	18.0
3 2	9 49.06	+18 53.3	1.257	2.217	8.5	18.2
3 12	9 41.21	+19 29.1	1.292	2.204	13.4	18.4
3 22	9 36.05	+19 44.8	1.347	2.192	17.7	18.7

294384 2007 VL_{146} 2 17.8 276°.38 4°.1/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.55	− 1 35.6	2.369	3.110	13.7	20.3
1 22	10 20.50	− 1 56.9	2.265	3.099	11.3	20.1
2 1	10 14.56	− 2 2.8	2.182	3.089	8.5	19.9
2 11	10 7.21	− 1 53.3	2.125	3.079	5.7	19.7
2 21	9 59.13	− 1 29.8	2.097	3.068	4.2	19.6
3 2	9 51.14	− 0 55.6	2.097	3.058	5.5	19.7
3 12	9 44.09	− 0 15.2	2.126	3.047	8.4	19.8
3 22	9 38.64	+ 0 26.5	2.180	3.037	11.3	20.0

394069 2005 YT_{121} 2 17.8 100°.56 0°.8/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.49	+10 57.5	1.605	2.405	16.7	21.9
1 22	10 27.08	+11 36.6	1.544	2.429	12.8	21.7
2 1	10 18.97	+12 29.2	1.506	2.452	8.2	21.5
2 11	10 9.00	+13 28.8	1.494	2.474	3.3	21.3
2 21	9 58.34	+14 27.8	1.510	2.496	2.1	21.2
3 2	9 48.30	+15 19.0	1.555	2.518	6.8	21.6
3 12	9 40.05	+15 57.4	1.627	2.538	11.2	21.9
3 22	9 34.34	+16 20.7	1.721	2.558	14.8	22.1

61073 2000 LB_{9} 2 17.8 231°.59 6°.6/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.38	+27 5.4	2.032	2.851	13.0	19.7
1 22	10 24.03	+28 43.0	1.953	2.843	10.2	19.5
2 1	10 17.16	+30 22.2	1.900	2.835	7.7	19.3
2 11	10 8.36	+31 53.3	1.875	2.826	6.6	19.2
2 21	9 58.60	+33 7.4	1.877	2.817	7.7	19.3
3 2	9 49.04	+33 57.7	1.907	2.807	10.3	19.4
3 12	9 40.88	+34 22.0	1.962	2.797	13.2	19.6
3 22	9 34.95	+34 21.3	2.037	2.787	15.8	19.7

17298 4031 P–L 2 17.8 56°.62 1°.0/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.27	+12 59.4	1.314	2.133	18.7	18.1
1 22	10 27.41	+13 10.6	1.258	2.152	14.3	17.9
2 1	10 19.40	+13 34.0	1.223	2.172	9.2	17.6
2 11	10 9.22	+14 3.2	1.212	2.193	3.7	17.4
2 21	9 58.27	+14 31.3	1.227	2.213	2.4	17.3
3 2	9 48.11	+14 51.8	1.269	2.234	7.6	17.7
3 12	9 40.11	+15 0.6	1.335	2.255	12.4	18.0
3 22	9 35.04	+14 56.3	1.423	2.276	16.5	18.3

465190 2007 GE_{71} 2 17.8 331°.36 1°.9/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.75	+ 4 21.0	1.779	2.567	15.8	21.8
1 22	10 20.45	+ 4 39.5	1.690	2.563	12.5	21.5
2 1	10 14.79	+ 5 16.4	1.623	2.559	8.6	21.3
2 11	10 7.38	+ 6 9.0	1.580	2.555	4.4	21.0
2 21	9 59.09	+ 7 12.1	1.565	2.551	2.0	20.8
3 2	9 51.01	+ 8 18.9	1.578	2.548	5.8	21.1
3 12	9 44.23	+ 9 22.0	1.618	2.545	10.1	21.3
3 22	9 39.53	+10 15.9	1.682	2.542	13.9	21.6

71228 1999 YP_{15} 2 17.8 347°.40 0°.4/17.5 18

1 12	10 24.48	+10 22.4	1.912	2.714	14.3	19.6
1 22	10 20.83	+10 54.8	1.827	2.713	11.1	19.4
2 1	10 14.94	+11 40.0	1.765	2.711	7.2	19.1
2 11	10 7.41	+12 33.5	1.729	2.710	2.9	18.9
2 21	9 59.09	+13 29.4	1.722	2.709	1.6	18.8
3 2	9 51.02	+14 21.4	1.743	2.708	6.0	19.0
3 12	9 44.21	+15 4.1	1.792	2.707	10.0	19.3
3 22	9 39.39	+15 34.3	1.863	2.707	13.6	19.5

159681 2002 JB_{76} 2 17.8 216°.35 4°.8/13.2 18

1 12	10 30.33	+25 49.6	2.375	3.182	11.7	20.3
1 22	10 25.02	+26 40.1	2.290	3.176	9.2	20.1
2 1	10 17.51	+27 30.4	2.232	3.169	6.6	19.9
2 11	10 8.43	+28 14.1	2.201	3.162	4.9	19.8
2 21	9 58.61	+28 45.2	2.200	3.154	5.6	19.9
3 2	9 49.06	+28 59.5	2.227	3.146	8.0	20.0
3 12	9 40.75	+28 55.7	2.281	3.138	10.8	20.2
3 22	9 34.38	+28 34.6	2.358	3.129	13.4	20.3

102339 1999 TH_{115} 2 17.8 0°.21 4°.3/20.6 18

1 12	10 25.63	+ 1 0.1	1.465	2.251	18.8	19.1
1 22	10 22.35	+ 0 42.5	1.384	2.249	15.2	18.8
2 1	10 16.26	+ 0 47.1	1.321	2.249	11.1	18.6
2 11	10 8.06	+ 1 13.3	1.282	2.249	6.7	18.3
2 21	9 58.80	+ 1 57.6	1.268	2.249	4.3	18.2
3 2	9 49.85	+ 2 53.5	1.281	2.250	7.0	18.3
3 12	9 42.50	+ 3 52.5	1.318	2.251	11.4	18.6
3 22	9 37.69	+ 4 47.0	1.378	2.252	15.6	18.8

456734 2007 TZ_{12} 2 17.8 96°.20 1°.5/16.7 18

1 12	10 31.64	+13 30.3	1.688	2.493	15.8	21.9
1 22	10 26.36	+14 7.2	1.626	2.513	12.1	21.7
2 1	10 18.49	+14 54.3	1.586	2.534	7.7	21.5
2 11	10 8.83	+15 45.4	1.573	2.554	3.2	21.2
2 21	9 58.50	+16 33.4	1.589	2.574	2.6	21.2
3 2	9 48.75	+17 12.0	1.633	2.593	6.9	21.5
3 12	9 40.70	+17 37.3	1.704	2.611	11.0	21.8
3 22	9 35.08	+17 47.9	1.798	2.630	14.5	22.1

263848 2009 BF_{44} 2 17.8 314°.89 0°.1/17.8 18

1 12	10 25.17	+ 9 10.5	1.408	2.225	17.8	20.5
1 22	10 22.28	+ 9 34.0	1.320	2.212	13.9	20.2
2 1	10 16.41	+10 15.7	1.251	2.200	9.2	19.9
2 11	10 8.19	+11 11.3	1.207	2.188	3.9	19.6
2 21	9 58.72	+12 13.3	1.189	2.176	1.8	19.4
3 2	9 49.44	+13 13.1	1.196	2.165	7.5	19.7
3 12	9 41.81	+14 2.5	1.229	2.154	12.7	20.0
3 22	9 36.87	+14 36.5	1.282	2.144	17.3	20.2

304034 2006 DS_{90} 2 17.8 180°.38 2°.4/16.0 18

1 12	10 32.31	+16 29.5	1.893	2.697	14.4	21.3
1 22	10 26.88	+17 4.1	1.811	2.698	11.1	21.0
2 1	10 18.90	+17 46.1	1.752	2.699	7.2	20.8
2 11	10 9.06	+18 29.4	1.720	2.699	3.3	20.6
2 21	9 58.36	+19 7.6	1.718	2.699	3.3	20.6
3 2	9 48.00	+19 35.0	1.745	2.698	7.2	20.8
3 12	9 39.14	+19 48.3	1.798	2.696	11.1	21.0
3 22	9 32.57	+19 46.7	1.875	2.694	14.5	21.2

522468 2016 CX_{321} 2 17.8 341°.68 6°.1/23.1 17

1 12	10 21.75	− 6 17.1	1.760	2.503	17.6	20.9
1 22	10 18.98	− 6 26.1	1.667	2.498	14.8	20.7
2 1	10 13.89	− 6 9.4	1.594	2.493	11.6	20.5
2 11	10 7.04	− 5 26.2	1.544	2.489	8.3	20.3
2 21	9 59.29	− 4 18.8	1.519	2.485	6.2	20.2
3 2	9 51.72	− 2 53.2	1.521	2.482	7.1	20.2
3 12	9 45.40	− 1 18.4	1.549	2.479	10.2	20.4
3 22	9 41.14	+ 0 16.5	1.601	2.477	13.7	20.6

79218 1994 JU_{7} 2 17.8 226°.06 5°.1/12.1 18

1 12	10 26.17	+26 31.2	2.517	3.329	11.0	20.0
1 22	10 21.78	+27 41.5	2.437	3.324	8.6	19.8
2 1	10 15.40	+28 52.1	2.383	3.318	6.3	19.7
2 11	10 7.58	+29 56.2	2.357	3.312	5.1	19.6
2 21	9 59.07	+30 47.7	2.360	3.306	5.9	19.6
3 2	9 50.77	+31 22.1	2.392	3.299	8.1	19.8
3 12	9 43.56	+31 37.5	2.450	3.293	10.6	19.9
3 22	9 38.08	+31 34.4	2.530	3.286	12.9	20.1

140971 2001 VY_{118} 2 17.8 131°.62 1°.2/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 25.28	+14 10.9	2.604	3.399	11.2	20.5
1 22	10 20.78	+14 41.3	2.523	3.406	8.5	20.4
2 1	10 14.57	+15 18.3	2.467	3.413	5.4	20.2
2 11	10 7.19	+15 57.8	2.440	3.420	2.3	20.0
2 21	9 59.28	+16 35.7	2.443	3.427	1.9	19.9
3 2	9 51.63	+17 8.0	2.477	3.434	5.1	20.2
3 12	9 44.95	+17 31.6	2.539	3.440	8.1	20.4
3 22	9 39.79	+17 45.1	2.626	3.446	10.8	20.6

87890 2000 SE_{288} 2 17.8 89°.50 1°.3/18.8 18

1 12	10 30.27	+ 6 59.3	2.087	2.861	14.3	19.7
1 22	10 24.77	+ 7 2.0	2.021	2.887	11.1	19.5
2 1	10 17.21	+ 7 16.9	1.978	2.913	7.4	19.3
2 11	10 8.26	+ 7 41.0	1.962	2.938	3.5	19.1
2 21	9 58.81	+ 8 10.3	1.976	2.962	1.6	19.0
3 2	9 49.81	+ 8 40.5	2.019	2.986	5.1	19.3
3 12	9 42.17	+ 9 7.4	2.092	3.010	8.7	19.6
3 22	9 36.46	+ 9 27.9	2.189	3.033	11.8	19.8

29244 Van Damme 2 17.8 195°.20 2°.3/19.5 18

1 12	10 30.27	+ 4 50.6	2.252	3.013	13.7	18.0
1 22	10 24.92	+ 4 35.7	2.155	3.011	10.9	17.8
2 1	10 17.45	+ 4 32.8	2.081	3.008	7.6	17.6
2 11	10 8.44	+ 4 40.5	2.035	3.005	4.1	17.4
2 21	9 58.68	+ 4 56.5	2.018	3.001	2.3	17.3
3 2	9 49.10	+ 5 17.2	2.032	2.997	5.2	17.5
3 12	9 40.65	+ 5 38.5	2.074	2.993	8.7	17.7
3 22	9 34.03	+ 5 57.0	2.142	2.988	12.0	17.9

138261 2000 GR_{4} 2 17.8 349°.61 18°.5/ 8.6 18

1 12	10 56.38	+53 19.8	1.299	2.073	21.3	18.5
1 22	10 48.26	+54 27.5	1.250	2.064	19.8	18.4
2 1	10 33.93	+55 5.0	1.217	2.056	18.8	18.3
2 11	10 15.29	+54 53.3	1.202	2.049	18.5	18.2
2 21	9 55.66	+53 41.4	1.206	2.044	19.2	18.2
3 2	9 38.56	+51 29.8	1.230	2.040	20.7	18.3
3 12	9 26.36	+48 30.9	1.272	2.038	22.7	18.5
3 22	9 19.70	+45 1.6	1.331	2.037	24.7	18.6

116127 2003 WL_{140} 2 17.8 85°.12 2°.3/16.1 18

1 12	10 28.87	+14 50.0	1.621	2.436	15.9	20.4
1 22	10 24.52	+15 34.3	1.551	2.445	12.1	20.2
2 1	10 17.47	+16 28.9	1.504	2.454	7.8	20.0
2 11	10 8.50	+17 27.1	1.482	2.463	3.4	19.7
2 21	9 58.68	+18 20.8	1.489	2.471	3.3	19.8
3 2	9 49.33	+19 3.2	1.523	2.480	7.6	20.0
3 12	9 41.65	+19 29.8	1.583	2.489	11.8	20.3
3 22	9 36.43	+19 39.4	1.665	2.497	15.4	20.5

157334 2004 TO_{24} 2 17.8 65°.57 2°.7/20.1 18

1 12	10 24.60	+ 2 12.5	1.947	2.719	15.2	20.7
1 22	10 20.86	+ 2 22.4	1.860	2.721	12.2	20.5
2 1	10 14.94	+ 2 50.2	1.795	2.723	8.6	20.2
2 11	10 7.43	+ 3 33.9	1.755	2.725	4.8	20.0
2 21	9 59.17	+ 4 29.4	1.743	2.727	2.7	19.9
3 2	9 51.14	+ 5 30.7	1.760	2.729	5.5	20.1
3 12	9 44.33	+ 6 31.3	1.805	2.731	9.3	20.3
3 22	9 39.44	+ 7 25.8	1.874	2.733	12.8	20.5

199375 2006 BB_{219} 2 17.8 254°.70 0°.5/17.4 18

1 12	10 27.20	+11 56.7	2.109	2.904	13.4	20.8
1 22	10 22.78	+12 14.9	2.013	2.896	10.4	20.6
2 1	10 16.17	+12 42.8	1.942	2.887	6.7	20.3
2 11	10 7.95	+13 16.6	1.898	2.878	2.7	20.1
2 21	9 58.92	+13 51.5	1.882	2.869	1.6	20.0
3 2	9 50.07	+14 22.5	1.897	2.860	5.8	20.2
3 12	9 42.38	+14 45.7	1.939	2.850	9.6	20.4
3 22	9 36.60	+14 58.5	2.005	2.841	13.0	20.6

396975 2005 SB_{89} 2 17.8 68°.44 1°.2/18.6 18

1 12	10 30.06	+ 6 40.0	1.300	2.107	19.6	21.1
1 22	10 25.79	+ 6 57.5	1.241	2.126	15.2	20.8
2 1	10 18.43	+ 7 35.3	1.202	2.145	10.1	20.6
2 11	10 8.90	+ 8 28.3	1.186	2.165	4.6	20.3
2 21	9 58.53	+ 9 28.8	1.197	2.184	1.9	20.2
3 2	9 48.83	+10 27.9	1.234	2.204	7.1	20.6
3 12	9 41.17	+11 17.9	1.296	2.224	12.1	20.9
3 22	9 36.37	+11 54.3	1.380	2.243	16.3	21.2

497694 2006 SB_{70} 2 17.8 149°.57 0°.1/17.9 17

1 12	10 24.03	+ 9 19.7	2.877	3.654	10.7	22.5
1 22	10 19.67	+ 9 46.2	2.790	3.661	8.2	22.3
2 1	10 13.80	+10 21.3	2.729	3.668	5.4	22.1
2 11	10 6.87	+11 2.3	2.696	3.675	2.2	21.9
2 21	9 59.48	+11 45.3	2.694	3.681	1.0	21.8
3 2	9 52.28	+12 26.8	2.723	3.687	4.2	22.1
3 12	9 45.91	+13 3.3	2.781	3.692	7.1	22.3
3 22	9 40.88	+13 32.3	2.866	3.698	9.7	22.5

426854 2013 WJ_1 2 17.8 23°.28 0°.5/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.94	+10 4.0	1.826	2.633	14.7	20.3
1 22	10 19.71	+10 47.5	1.749	2.638	11.3	20.1
2 1	10 14.24	+11 45.0	1.696	2.643	7.3	19.9
2 11	10 7.15	+12 51.2	1.668	2.649	2.9	19.6
2 21	9 59.34	+13 59.4	1.669	2.656	1.8	19.6
3 2	9 51.83	+15 2.5	1.698	2.662	6.1	19.9
3 12	9 45.64	+15 54.6	1.753	2.670	10.2	20.1
3 22	9 41.45	+16 32.3	1.832	2.677	13.7	20.3

492747 2014 QU_{136} 2 17.8 167°.86 0°.4/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.90	+ 8 18.0	2.042	2.825	14.2	22.4
1 22	10 24.04	+ 8 46.7	1.956	2.830	11.1	22.2
2 1	10 16.96	+ 9 28.8	1.894	2.834	7.3	22.0
2 11	10 8.27	+10 20.4	1.858	2.837	3.1	21.7
2 21	9 58.81	+11 16.0	1.852	2.840	1.3	21.6
3 2	9 49.62	+12 9.7	1.877	2.842	5.6	21.9
3 12	9 41.68	+12 56.3	1.929	2.843	9.5	22.1
3 22	9 35.72	+13 32.2	2.006	2.844	12.9	22.3

494813 2007 RF_{239} 2 17.8 160°.11 2°.9/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.06	+18 14.6	2.174	2.973	12.9	22.6
1 22	10 26.34	+19 6.9	2.097	2.982	9.9	22.4
2 1	10 18.38	+20 4.7	2.045	2.990	6.4	22.2
2 11	10 8.82	+21 1.7	2.021	2.997	3.4	22.0
2 21	9 58.56	+21 51.5	2.028	3.003	3.8	22.1
3 2	9 48.64	+22 28.7	2.065	3.008	7.0	22.3
3 12	9 40.06	+22 50.6	2.129	3.013	10.3	22.5
3 22	9 33.51	+22 56.8	2.218	3.016	13.2	22.7

491071 2011 QL_{95} 2 17.8 165°.13 2°.0/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.45	+15 7.3	2.045	2.840	13.8	22.6
1 22	10 26.77	+15 50.2	1.964	2.847	10.5	22.4
2 1	10 18.73	+16 41.4	1.908	2.854	6.8	22.2
2 11	10 8.99	+17 35.0	1.880	2.859	3.0	22.0
2 21	9 58.48	+18 24.5	1.881	2.863	2.9	22.0
3 2	9 48.31	+19 4.4	1.913	2.867	6.6	22.2
3 12	9 39.53	+19 31.0	1.973	2.869	10.4	22.4
3 22	9 32.87	+19 42.9	2.057	2.871	13.6	22.6

497017 2003 FS_{103} 2 17.8 334°.63 7°.1/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 17.88	− 8 2.1	1.453	2.211	20.1	20.8
1 22	10 16.58	− 8 3.4	1.356	2.194	17.2	20.6
2 1	10 12.66	− 7 31.1	1.276	2.178	13.6	20.3
2 11	10 6.67	− 6 22.6	1.217	2.163	9.9	20.0
2 21	9 59.52	− 4 40.2	1.181	2.149	7.3	19.9
3 2	9 52.46	− 2 31.8	1.170	2.136	8.1	19.9
3 12	9 46.79	− 0 10.7	1.185	2.124	11.8	20.0
3 22	9 43.51	+ 2 9.1	1.222	2.113	15.9	20.2

238858 2005 WV_{113} 2 17.8 71°.15 3°.9/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.85	+18 7.8	1.340	2.169	17.9	20.7
1 22	10 27.30	+18 57.2	1.280	2.181	13.6	20.5
2 1	10 19.50	+19 54.8	1.242	2.193	8.9	20.3
2 11	10 9.38	+20 51.4	1.228	2.205	4.6	20.1
2 21	9 58.34	+21 37.3	1.240	2.218	5.0	20.1
3 2	9 48.00	+22 5.2	1.278	2.230	9.3	20.4
3 12	9 39.80	+22 12.1	1.341	2.243	13.8	20.7
3 22	9 34.59	+21 58.8	1.423	2.255	17.6	21.0

500448 2012 TX_{192} 2 17.8 204°.08 4°.0/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.65	− 2 43.0	2.438	3.173	13.5	21.6
1 22	10 19.73	− 2 49.5	2.341	3.172	11.1	21.4
2 1	10 14.03	− 2 39.4	2.266	3.170	8.4	21.3
2 11	10 7.04	− 2 13.1	2.217	3.168	5.6	21.1
2 21	9 59.41	− 1 32.7	2.195	3.167	4.0	21.0
3 2	9 51.93	− 0 42.0	2.204	3.165	5.2	21.1
3 12	9 45.38	+ 0 13.7	2.240	3.163	7.9	21.2
3 22	9 40.36	+ 1 9.5	2.303	3.161	10.8	21.4

517195 2013 UQ_{18} 2 17.8 165°.73 3°.2/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.36	+19 35.2	2.300	3.108	12.0	21.8
1 22	10 22.71	+20 27.1	2.221	3.111	9.2	21.6
2 1	10 16.01	+21 23.4	2.167	3.113	6.1	21.4
2 11	10 7.87	+22 18.2	2.141	3.116	3.5	21.3
2 21	9 59.06	+23 5.6	2.145	3.118	4.0	21.3
3 2	9 50.53	+23 40.8	2.179	3.119	6.9	21.5
3 12	9 43.17	+24 1.0	2.239	3.121	10.0	21.7
3 22	9 37.63	+24 5.7	2.323	3.122	12.7	21.9

221279 2005 UU_{348} 2 17.8 214°.08 5°.1/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.06	+26 9.7	2.313	3.119	12.1	20.0
1 22	10 26.44	+27 1.9	2.228	3.111	9.4	19.8
2 1	10 18.53	+27 54.0	2.168	3.104	6.8	19.6
2 11	10 8.93	+28 38.8	2.136	3.095	5.1	19.5
2 21	9 58.55	+29 10.2	2.133	3.087	5.9	19.6
3 2	9 48.44	+29 23.8	2.160	3.077	8.3	19.7
3 12	9 39.63	+29 18.2	2.213	3.067	11.2	19.9
3 22	9 32.86	+28 54.8	2.289	3.057	13.8	20.0

426785 2013 TZ_{123} 2 17.8 225°.58 1°.5/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 28.05	+14 40.9	2.236	3.034	12.7	22.0
1 22	10 23.34	+15 10.9	2.142	3.027	9.7	21.8
2 1	10 16.51	+15 48.7	2.072	3.019	6.3	21.6
2 11	10 8.12	+16 29.6	2.030	3.010	2.7	21.3
2 21	9 58.95	+17 8.5	2.018	3.001	2.4	21.3
3 2	9 49.98	+17 40.6	2.036	2.992	6.0	21.5
3 12	9 42.13	+18 2.2	2.081	2.983	9.6	21.7
3 22	9 36.12	+18 11.5	2.151	2.973	12.8	21.9

77862 2001 RG_{143} 2 17.8 234°.92 2°.2/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.06	+ 4 25.6	2.340	3.106	13.1	19.2
1 22	10 21.63	+ 4 15.1	2.246	3.105	10.5	19.0
2 1	10 15.29	+ 4 16.8	2.175	3.103	7.3	18.8
2 11	10 7.58	+ 4 29.4	2.132	3.102	4.0	18.6
2 21	9 59.21	+ 4 50.1	2.117	3.100	2.3	18.4
3 2	9 51.03	+ 5 15.5	2.132	3.099	4.8	18.6
3 12	9 43.88	+ 5 41.5	2.175	3.097	8.2	18.8
3 22	9 38.37	+ 6 4.6	2.244	3.096	11.3	19.0

501423 2013 YS_{138} 2 17.8 94°.56 2°.8/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.96	+ 3 24.4	2.351	3.107	13.4	21.2
1 22	10 23.73	+ 2 55.7	2.266	3.116	10.7	21.0
2 1	10 16.58	+ 2 38.8	2.204	3.125	7.6	20.8
2 11	10 8.08	+ 2 33.0	2.169	3.135	4.5	20.7
2 21	9 59.00	+ 2 36.4	2.164	3.144	2.9	20.6
3 2	9 50.18	+ 2 46.2	2.188	3.153	5.0	20.7
3 12	9 42.48	+ 2 58.9	2.242	3.162	8.1	20.9
3 22	9 36.48	+ 3 11.3	2.321	3.171	11.0	21.1

279518 2011 BD_{18} 2 17.8 196°.65 1°.0/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.79	+ 7 49.2	2.001	2.786	14.4	20.9
1 22	10 23.27	+ 7 53.8	1.912	2.785	11.3	20.7
2 1	10 16.52	+ 8 11.0	1.845	2.784	7.6	20.5
2 11	10 8.13	+ 8 38.0	1.806	2.783	3.5	20.2
2 21	9 58.96	+ 9 10.6	1.795	2.782	1.5	20.1
3 2	9 50.03	+ 9 43.9	1.813	2.781	5.5	20.4
3 12	9 42.34	+10 13.3	1.859	2.779	9.5	20.6
3 22	9 36.64	+10 35.3	1.929	2.777	13.0	20.8

164822 1999 RV_{157} 2 17.8 141°.09 2°.2/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.54	+15 57.6	2.115	2.912	13.3	20.4
1 22	10 25.94	+16 41.9	2.041	2.926	10.1	20.2
2 1	10 18.11	+17 33.1	1.993	2.939	6.5	20.0
2 11	10 8.73	+18 25.5	1.972	2.951	3.0	19.8
2 21	9 58.70	+19 12.9	1.982	2.963	3.0	19.9
3 2	9 49.06	+19 50.2	2.022	2.973	6.5	20.1
3 12	9 40.78	+20 14.0	2.090	2.983	10.0	20.3
3 22	9 34.53	+20 23.6	2.182	2.993	13.0	20.5

360758 2004 XF_{137} 2 17.8 44°.71 2°.7/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.72	+15 59.4	1.231	2.064	18.9	20.6
1 22	10 26.50	+16 29.7	1.179	2.081	14.4	20.4
2 1	10 18.98	+17 10.0	1.146	2.099	9.3	20.1
2 11	10 9.17	+17 52.2	1.137	2.117	4.1	19.9
2 21	9 58.54	+18 27.4	1.154	2.137	3.9	19.9
3 2	9 48.73	+18 48.7	1.196	2.156	8.7	20.3
3 12	9 41.17	+18 52.7	1.262	2.176	13.4	20.6
3 22	9 36.65	+18 39.6	1.348	2.197	17.4	20.9

46333 2001 QS_{276} 2 17.8 126°.83 4°.0/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.88	+23 26.9	2.441	3.250	11.4	18.6
1 22	10 22.97	+24 14.6	2.369	3.257	8.8	18.4
2 1	10 16.11	+25 3.2	2.323	3.264	6.0	18.3
2 11	10 7.90	+25 46.8	2.304	3.271	4.1	18.2
2 21	9 59.12	+26 20.3	2.316	3.278	4.7	18.2
3 2	9 50.67	+26 39.9	2.356	3.285	7.1	18.4
3 12	9 43.39	+26 43.7	2.423	3.291	9.8	18.5
3 22	9 37.88	+26 32.4	2.514	3.297	12.3	18.7

36935 2000 SB_{227} 2 17.8 113°.70 0°.7/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.27	+ 9 49.5	1.706	2.507	15.9	18.8
1 22	10 23.92	+10 44.1	1.635	2.520	12.2	18.6
2 1	10 17.04	+11 54.0	1.587	2.533	7.9	18.4
2 11	10 8.37	+13 13.1	1.565	2.545	3.1	18.1
2 21	9 58.90	+14 33.1	1.571	2.557	2.0	18.1
3 2	9 49.84	+15 45.9	1.606	2.569	6.6	18.4
3 12	9 42.32	+16 45.1	1.668	2.580	10.9	18.7
3 22	9 37.09	+17 27.6	1.754	2.591	14.6	18.9

435916 2009 BO_{92} 2 17.8 25°.41 0°.0/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.99	+ 9 57.7	1.735	2.543	15.3	20.9
1 22	10 20.56	+10 18.0	1.665	2.553	11.8	20.7
2 1	10 14.81	+10 51.3	1.618	2.564	7.7	20.4
2 11	10 7.43	+11 33.2	1.596	2.576	3.2	20.2
2 21	9 59.36	+12 17.9	1.602	2.589	1.5	20.1
3 2	9 51.69	+12 59.3	1.635	2.602	6.0	20.4
3 12	9 45.44	+13 32.4	1.695	2.616	10.1	20.7
3 22	9 41.29	+13 54.1	1.777	2.631	13.7	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
190433 1999 XC_{59}			2 17.8	78°.66	0°.0/17.8	18
	h m	° ′			°	m
1 12	10 26.09	+ 9 51.4	2.015	2.809	14.0	20.3
1 22	10 21.92	+10 13.2	1.934	2.815	10.8	20.1
2 1	10 15.59	+10 46.7	1.877	2.820	7.1	19.8
2 11	10 7.74	+11 27.9	1.846	2.826	2.9	19.6
2 21	9 59.20	+12 11.9	1.844	2.831	1.4	19.5
3 2	9 50.95	+12 53.2	1.871	2.837	5.6	19.8
3 12	9 43.95	+13 27.3	1.926	2.842	9.4	20.0
3 22	9 38.87	+13 51.1	2.005	2.848	12.8	20.2
296907 Alexander			2 17.8	155°.53	1°.9/15.6	18
1 12	10 23.69	+15 20.0	2.586	3.387	11.1	20.6
1 22	10 19.69	+16 15.8	2.503	3.390	8.4	20.4
2 1	10 13.98	+17 18.8	2.445	3.393	5.4	20.2
2 11	10 7.04	+18 23.9	2.417	3.396	2.5	20.0
2 21	9 59.55	+19 26.0	2.419	3.398	2.7	20.1
3 2	9 52.24	+20 20.0	2.451	3.401	5.6	20.3
3 12	9 45.88	+21 2.3	2.511	3.403	8.6	20.4
3 22	9 41.01	+21 31.3	2.596	3.405	11.2	20.6
450461 2005 WS_{15}			2 17.8	135°.85	2°.7/19.8	18
1 12	10 31.11	+ 2 51.8	1.753	2.522	16.8	22.3
1 22	10 26.02	+ 2 57.6	1.675	2.535	13.4	22.1
2 1	10 18.39	+ 3 22.0	1.619	2.547	9.3	21.9
2 11	10 8.94	+ 4 2.7	1.588	2.559	5.1	21.7
2 21	9 58.67	+ 4 54.9	1.585	2.569	2.7	21.5
3 2	9 48.79	+ 5 52.2	1.612	2.580	6.0	21.8
3 12	9 40.43	+ 6 47.8	1.665	2.589	10.1	22.0
3 22	9 34.37	+ 7 36.1	1.743	2.598	13.9	22.3
5659 Vergara			2 17.8	116°.31	3°.6/20.7	18
1 12	10 28.42	+ 0 9.2	1.685	2.451	17.5	19.0
1 22	10 24.06	+ 0 15.2	1.608	2.463	14.1	18.8
2 1	10 17.17	+ 0 43.1	1.552	2.474	10.1	18.6
2 11	10 8.44	+ 1 31.0	1.520	2.486	6.0	18.4
2 21	9 58.90	+ 2 34.2	1.515	2.497	3.6	18.2
3 2	9 49.73	+ 3 45.7	1.539	2.507	6.2	18.4
3 12	9 42.06	+ 4 57.2	1.590	2.517	10.2	18.7
3 22	9 36.68	+ 6 2.1	1.665	2.527	14.0	18.9
332888 2011 AW_{61}			2 17.8	294°.05	2°.4/15.8	17
1 12	10 24.75	+14 26.2	1.803	2.618	14.5	20.8
1 22	10 21.40	+15 25.4	1.710	2.605	11.1	20.5
2 1	10 15.59	+16 37.1	1.641	2.591	7.2	20.3
2 11	10 7.87	+17 54.8	1.598	2.578	3.3	20.0
2 21	9 59.14	+19 10.4	1.583	2.565	3.5	20.0
3 2	9 50.56	+20 15.8	1.597	2.551	7.6	20.2
3 12	9 43.29	+21 5.0	1.636	2.538	11.7	20.4
3 22	9 38.18	+21 35.3	1.698	2.526	15.4	20.6
138037 2000 DG_{18}			2 17.8	74°.45	0°.9/17.2	18
1 12	10 29.51	+11 59.7	1.618	2.426	16.3	19.4
1 22	10 24.92	+12 28.0	1.553	2.442	12.5	19.2
2 1	10 17.70	+13 8.4	1.510	2.458	8.0	19.0
2 11	10 8.64	+13 55.2	1.493	2.474	3.2	18.8
2 21	9 58.85	+14 41.5	1.504	2.490	2.1	18.7
3 2	9 49.58	+15 20.8	1.543	2.506	6.8	19.0
3 12	9 42.00	+15 48.4	1.607	2.522	11.1	19.3
3 22	9 36.85	+16 2.2	1.695	2.538	14.7	19.6
171924 2001 SP_{142}			2 17.8	108°.16	1°.7/19.5	18
1 12	10 25.04	+ 4 27.7	2.534	3.297	12.3	20.6
1 22	10 20.62	+ 4 38.5	2.453	3.311	9.7	20.5
2 1	10 14.52	+ 5 1.6	2.396	3.325	6.7	20.3
2 11	10 7.25	+ 5 34.6	2.367	3.339	3.5	20.1
2 21	9 59.49	+ 6 14.2	2.367	3.352	1.7	20.0
3 2	9 51.99	+ 6 56.4	2.398	3.365	4.3	20.2
3 12	9 45.46	+ 7 37.0	2.458	3.378	7.4	20.4
3 22	9 40.43	+ 8 12.6	2.543	3.390	10.2	20.6
439438 2013 PP_{73}			2 17.8	78°.00	18°.3/ 1.7	17
1 12	10 31.70	−22 30.6	1.211	1.879	27.7	20.6
1 22	10 27.96	−25 0.8	1.150	1.890	25.4	20.5
2 1	10 20.50	−26 52.5	1.102	1.901	23.0	20.3
2 11	10 10.08	−27 54.3	1.068	1.912	20.6	20.2
2 21	9 58.10	−27 58.7	1.051	1.923	18.9	20.1
3 2	9 46.45	−27 5.8	1.053	1.934	18.3	20.1
3 12	9 37.04	−25 25.6	1.073	1.945	19.0	20.2
3 22	9 31.10	−23 14.6	1.111	1.955	20.7	20.3
135649 2002 KQ_{12}			2 17.8	235°.63	1°.0/18.6	17 R
1 12	10 28.64	+ 7 9.3	1.952	2.734	14.8	21.5
1 22	10 24.16	+ 7 25.6	1.851	2.723	11.7	21.2
2 1	10 17.27	+ 7 56.7	1.772	2.710	7.9	21.0
2 11	10 8.55	+ 8 39.5	1.720	2.698	3.6	20.7
2 21	9 58.84	+ 9 29.2	1.697	2.684	1.5	20.5
3 2	9 49.24	+10 20.0	1.703	2.670	5.8	20.8
3 12	9 40.85	+11 5.9	1.737	2.656	10.1	21.0
3 22	9 34.52	+11 42.6	1.795	2.641	13.9	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
309746 2008 UC_{294}			2 17.8	324°.89	4°.2/15.4	18
	h m	° ′			°	m
1 12	10 29.80	+19 3.3	1.279	2.115	18.1	20.2
1 22	10 26.26	+19 38.5	1.201	2.105	14.0	19.9
2 1	10 19.23	+20 22.0	1.143	2.096	9.3	19.6
2 11	10 9.50	+21 4.9	1.109	2.087	5.0	19.3
2 21	9 58.41	+21 37.5	1.100	2.078	5.4	19.3
3 2	9 47.72	+21 52.0	1.116	2.070	10.0	19.6
3 12	9 39.13	+21 44.6	1.155	2.063	15.0	19.8
3 22	9 33.72	+21 16.2	1.213	2.057	19.3	20.1
140964 2001 VM_{108}			2 17.8	174°.09	0°.4/18.2	18 R
1 12	10 24.95	+ 9 0.6	2.635	3.414	11.5	20.7
1 22	10 20.58	+ 9 16.4	2.544	3.416	8.9	20.5
2 1	10 14.52	+ 9 41.4	2.478	3.417	5.9	20.3
2 11	10 7.28	+10 13.0	2.439	3.417	2.5	20.1
2 21	9 59.48	+10 47.7	2.431	3.418	1.0	20.0
3 2	9 51.87	+11 21.6	2.453	3.418	4.4	20.2
3 12	9 45.17	+11 51.2	2.504	3.419	7.6	20.4
3 22	9 39.94	+12 13.9	2.581	3.419	10.4	20.6
341444 2007 TP_{250}			2 17.8	276°.60	7°.0/24.8	17
1 12	10 22.89	−11 43.3	2.328	3.014	15.3	20.9
1 22	10 19.47	−12 1.7	2.213	2.995	13.3	20.7
2 1	10 14.09	−11 57.7	2.117	2.976	11.0	20.5
2 11	10 7.21	−11 29.3	2.044	2.957	8.7	20.3
2 21	9 59.48	−10 36.7	1.997	2.938	7.2	20.2
3 2	9 51.76	− 9 23.0	1.977	2.918	7.4	20.1
3 12	9 44.93	− 7 54.4	1.985	2.898	9.4	20.2
3 22	9 39.71	− 6 18.4	2.018	2.879	12.0	20.3
18933 2000 QW_{36}			2 17.8	82°.64	0°.8/18.4	18
1 12	10 30.93	+ 7 28.1	1.529	2.325	17.6	19.0
1 22	10 26.05	+ 7 50.6	1.468	2.348	13.7	18.8
2 1	10 18.44	+ 8 30.0	1.429	2.371	9.0	18.6
2 11	10 8.95	+ 9 21.4	1.415	2.393	4.0	18.3
2 21	9 58.75	+10 17.8	1.428	2.416	1.6	18.2
3 2	9 49.16	+11 11.7	1.470	2.438	6.4	18.6
3 12	9 41.36	+11 57.0	1.538	2.459	10.9	18.9
3 22	9 36.10	+12 29.9	1.628	2.481	14.8	19.2
116074 2003 WK_{121}			2 17.8	69°.73	1°.3/16.7	18
1 12	10 27.66	+13 59.3	2.031	2.833	13.6	20.3
1 22	10 23.00	+14 26.1	1.963	2.850	10.4	20.1
2 1	10 16.22	+15 0.9	1.920	2.867	6.6	19.9
2 11	10 7.99	+15 38.9	1.904	2.884	2.7	19.7
2 21	9 59.19	+16 14.6	1.917	2.902	2.2	19.7
3 2	9 50.82	+16 43.4	1.959	2.919	5.9	20.0
3 12	9 43.78	+17 1.9	2.029	2.936	9.5	20.2
3 22	9 38.69	+17 8.8	2.122	2.953	12.6	20.4
199252 2006 BF_{2}			2 17.8	86°.54	1°.7/16.5	18
1 12	10 27.56	+11 16.8	1.454	2.270	17.4	20.5
1 22	10 23.84	+12 21.9	1.386	2.280	13.3	20.3
2 1	10 17.25	+13 44.0	1.339	2.289	8.5	20.0
2 11	10 8.55	+15 15.0	1.318	2.299	3.5	19.7
2 21	9 58.91	+16 44.8	1.324	2.308	3.0	19.7
3 2	9 49.73	+18 3.3	1.357	2.318	7.9	20.0
3 12	9 42.31	+19 3.5	1.415	2.327	12.5	20.3
3 22	9 37.50	+19 42.5	1.495	2.336	16.5	20.6
19179 1991 RK_{8}			2 17.8	219°.55	5°.2/13.2	18
1 12	10 29.93	+24 55.3	2.069	2.883	13.0	18.0
1 22	10 25.07	+25 54.6	1.990	2.879	10.1	17.8
2 1	10 17.77	+26 55.0	1.935	2.875	7.2	17.7
2 11	10 8.71	+27 48.8	1.907	2.870	5.3	17.5
2 21	9 58.83	+28 29.1	1.908	2.865	6.1	17.6
3 2	9 49.25	+28 50.8	1.938	2.860	8.8	17.7
3 12	9 41.08	+28 51.9	1.992	2.855	11.9	17.9
3 22	9 35.07	+28 33.7	2.069	2.850	14.7	18.1
226907 2004 TG_{192}			2 17.8	270°.94	0°.2/17.9	18
1 12	10 25.39	+ 8 52.3	1.957	2.752	14.3	21.3
1 22	10 21.54	+ 9 20.8	1.870	2.750	11.1	21.0
2 1	10 15.46	+10 2.8	1.806	2.749	7.3	20.8
2 11	10 7.76	+10 54.5	1.768	2.748	3.1	20.5
2 21	9 59.27	+11 50.2	1.759	2.746	1.4	20.4
3 2	9 51.01	+12 43.9	1.779	2.745	5.7	20.7
3 12	9 43.98	+13 29.9	1.826	2.743	9.8	20.9
3 22	9 38.91	+14 4.8	1.897	2.742	13.3	21.2
129974 1999 US_{33}			2 17.8	279°.16	2°.2/16.0	18
1 12	10 26.99	+15 58.7	1.991	2.800	13.6	20.6
1 22	10 22.78	+16 35.2	1.906	2.796	10.4	20.4
2 1	10 16.28	+17 19.4	1.844	2.792	6.7	20.2
2 11	10 8.11	+18 6.0	1.809	2.789	3.1	19.9
2 21	9 59.13	+18 48.8	1.803	2.785	3.1	19.9
3 2	9 50.42	+19 22.3	1.826	2.781	6.8	20.1
3 12	9 42.99	+19 42.7	1.875	2.777	10.5	20.4
3 22	9 37.58	+19 48.5	1.948	2.773	13.8	20.6

459663 2013 KB_{15} 2 17.8 183°.76 5°.9/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 30.74	+28 32.8	2.446	3.253	11.5	21.9
1 22	10 25.42	+30 1.0	2.373	3.253	9.1	21.7
2 1	10 17.90	+31 28.2	2.326	3.253	6.9	21.6
2 11	10 8.75	+32 46.4	2.307	3.253	5.9	21.5
2 21	9 58.84	+33 48.7	2.318	3.251	6.9	21.6
3 2	9 49.16	+34 30.2	2.358	3.249	9.0	21.7
3 12	9 40.71	+34 49.3	2.423	3.245	11.4	21.9
3 22	9 34.20	+34 47.3	2.510	3.242	13.6	22.0

91516 1999 RD_{174} 2 17.8 143°.58 2°.7/15.7 18

1 12	10 28.68	+17 48.6	2.028	2.837	13.4	19.5
1 22	10 23.98	+18 23.5	1.949	2.839	10.2	19.3
2 1	10 17.00	+19 4.3	1.893	2.841	6.7	19.1
2 11	10 8.38	+19 44.9	1.865	2.843	3.3	18.8
2 21	9 59.03	+20 19.7	1.866	2.845	3.5	18.9
3 2	9 50.01	+20 43.7	1.896	2.847	6.9	19.1
3 12	9 42.33	+20 53.8	1.952	2.848	10.5	19.3
3 22	9 36.70	+20 49.6	2.032	2.850	13.6	19.5

171943 2001 SU_{256} 2 17.8 14°.96 4°.6/13.5 18

1 12	10 27.07	+24 16.6	2.201	3.017	12.2	20.1
1 22	10 22.66	+25 8.3	2.127	3.018	9.4	20.0
2 1	10 16.09	+26 1.0	2.077	3.019	6.6	19.8
2 11	10 7.99	+26 48.0	2.055	3.020	4.7	19.7
2 21	9 59.22	+27 23.2	2.061	3.021	5.4	19.7
3 2	9 50.78	+27 42.3	2.095	3.022	8.0	19.9
3 12	9 43.60	+27 43.4	2.156	3.024	10.9	20.1
3 22	9 38.37	+27 27.4	2.239	3.025	13.5	20.2

224285 2005 TT_{82} 2 17.8 174°.89 5°.8/12.7 18

1 12	10 34.03	+28 46.0	2.287	3.090	12.2	20.7
1 22	10 27.94	+29 38.7	2.213	3.093	9.7	20.5
2 1	10 19.49	+30 28.6	2.165	3.095	7.2	20.4
2 11	10 9.39	+31 8.3	2.145	3.096	5.8	20.3
2 21	9 58.59	+31 31.9	2.153	3.097	6.5	20.3
3 2	9 48.20	+31 35.7	2.191	3.098	8.8	20.5
3 12	9 39.25	+31 19.2	2.254	3.098	11.4	20.6
3 22	9 32.45	+30 44.6	2.341	3.097	13.8	20.8

275580 1999 TS_{224} 2 17.8 190°.12 1°.6/19.1 18

1 12	10 31.21	+ 5 4.5	1.863	2.636	15.8	22.3
1 22	10 26.16	+ 5 23.1	1.770	2.635	12.5	22.1
2 1	10 18.59	+ 5 58.8	1.700	2.633	8.5	21.8
2 11	10 9.12	+ 6 48.7	1.656	2.631	4.2	21.6
2 21	9 58.69	+ 7 47.5	1.641	2.627	1.9	21.4
3 2	9 48.46	+ 8 48.8	1.655	2.623	5.9	21.7
3 12	9 39.59	+ 9 45.8	1.698	2.617	10.2	21.9
3 22	9 32.93	+10 33.5	1.765	2.611	14.1	22.1

446875 2001 YG_{148} 2 17.8 41°.29 5°.6/14.3 18

1 12	10 28.55	+19 38.9	1.140	1.986	19.2	20.6
1 22	10 25.20	+20 57.0	1.094	2.003	14.6	20.4
2 1	10 18.34	+22 23.0	1.067	2.021	9.7	20.2
2 11	10 9.03	+23 44.2	1.064	2.039	5.9	20.0
2 21	9 58.80	+24 48.3	1.086	2.058	6.8	20.2
3 2	9 49.44	+25 26.8	1.131	2.078	11.0	20.4
3 12	9 42.44	+25 37.2	1.199	2.098	15.3	20.7
3 22	9 38.64	+25 21.8	1.286	2.119	19.1	21.0

467527 2007 LA_{15} 2 17.8 174°.75 0°.4/18.2 18

1 12	10 37.68	+ 5 48.1	1.593	2.367	18.0	23.3
1 22	10 31.57	+ 6 46.4	1.507	2.375	14.1	23.1
2 1	10 22.35	+ 8 7.0	1.443	2.380	9.4	22.8
2 11	10 10.75	+ 9 44.2	1.405	2.384	4.1	22.5
2 21	9 57.94	+11 28.5	1.398	2.385	1.7	22.3
3 2	9 45.42	+13 9.2	1.420	2.384	7.2	22.7
3 12	9 34.67	+14 36.7	1.471	2.382	12.2	23.0
3 22	9 26.70	+15 45.7	1.546	2.377	16.5	23.2

384878 2012 SK_{49} 2 17.8 55°.79 4°.3/14.2 17

1 12	10 29.04	+23 46.6	2.158	2.971	12.5	20.8
1 22	10 24.10	+24 24.6	2.088	2.978	9.7	20.6
2 1	10 16.98	+25 2.9	2.043	2.986	6.6	20.4
2 11	10 8.35	+25 35.4	2.026	2.994	4.5	20.3
2 21	9 59.11	+25 56.6	2.037	3.002	5.0	20.4
3 2	9 50.29	+26 2.8	2.077	3.010	7.7	20.5
3 12	9 42.84	+25 52.8	2.144	3.019	10.6	20.7
3 22	9 37.39	+25 27.4	2.233	3.027	13.3	20.9

54618 2000 RB_{102} 2 17.8 104°.96 3°.3/20.9 18

1 12	10 25.60	+ 0 46.7	2.474	3.221	13.0	18.5
1 22	10 21.19	+ 0 26.7	2.380	3.222	10.5	18.3
2 1	10 15.01	+ 0 20.0	2.310	3.224	7.7	18.1
2 11	10 7.54	+ 0 26.1	2.266	3.226	4.9	17.9
2 21	9 59.47	+ 0 43.2	2.251	3.228	3.3	17.8
3 2	9 51.59	+ 1 8.1	2.266	3.230	4.9	17.9
3 12	9 44.65	+ 1 36.9	2.310	3.231	7.8	18.1
3 22	9 39.27	+ 2 5.7	2.379	3.233	10.6	18.3

503486 2016 EN_{178} 2 17.8 286°.10 0°.8/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.59	+ 8 11.8	1.844	2.638	15.1	22.0
1 22	10 22.75	+ 8 22.2	1.745	2.623	11.9	21.7
2 1	10 16.45	+ 8 46.6	1.668	2.609	8.0	21.5
2 11	10 8.28	+ 9 22.1	1.617	2.595	3.6	21.2
2 21	9 59.10	+10 3.9	1.593	2.581	1.5	21.0
3 2	9 50.05	+10 46.2	1.598	2.566	6.0	21.2
3 12	9 42.24	+11 23.4	1.630	2.552	10.4	21.5
3 22	9 36.56	+11 51.3	1.686	2.538	14.3	21.7

243495 2009 UB_{102} 2 17.8 359°.69 3°.4/15.1 18

1 12	10 26.15	+17 54.2	1.712	2.535	14.8	20.5
1 22	10 22.51	+18 48.0	1.636	2.534	11.3	20.3
2 1	10 16.28	+19 49.8	1.583	2.534	7.4	20.1
2 11	10 8.18	+20 52.3	1.556	2.533	4.0	19.8
2 21	9 59.19	+21 47.3	1.557	2.533	4.4	19.9
3 2	9 50.54	+22 28.0	1.585	2.534	8.2	20.1
3 12	9 43.41	+22 50.5	1.638	2.535	12.0	20.3
3 22	9 38.59	+22 54.0	1.713	2.536	15.5	20.5

133827 2003 XK_{13} 2 17.8 143°.02 2°.3/15.9 18

1 12	10 28.93	+14 42.4	1.864	2.671	14.5	20.8
1 22	10 24.35	+15 38.5	1.789	2.678	11.0	20.6
2 1	10 17.34	+16 44.7	1.737	2.685	7.1	20.4
2 11	10 8.57	+17 54.3	1.712	2.692	3.2	20.1
2 21	9 59.02	+18 59.8	1.717	2.698	3.2	20.1
3 2	9 49.81	+19 54.2	1.750	2.704	7.1	20.4
3 12	9 42.04	+20 33.0	1.810	2.709	11.0	20.6
3 22	9 36.44	+20 54.7	1.894	2.714	14.3	20.9

249283 2008 SM_{299} 2 17.8 26°.52 4°.4/21.9 18

1 12	10 22.24	− 3 21.6	1.905	2.657	16.2	20.3
1 22	10 19.16	− 3 10.4	1.819	2.661	13.3	20.1
2 1	10 13.94	− 2 36.3	1.754	2.665	10.0	19.9
2 11	10 7.17	− 1 40.3	1.713	2.669	6.5	19.7
2 21	9 59.66	− 0 26.4	1.699	2.674	4.4	19.6
3 2	9 52.39	+ 0 58.9	1.713	2.679	5.9	19.7
3 12	9 46.31	+ 2 27.5	1.755	2.685	9.2	19.9
3 22	9 42.11	+ 3 51.9	1.821	2.691	12.6	20.1

5270 Kakabadze 2 17.9 275°.01 5°.2/22.3 18

1 12	10 24.17	− 4 23.0	1.893	2.636	16.6	17.2
1 22	10 20.85	− 4 25.8	1.788	2.622	13.9	16.9
2 1	10 15.22	− 4 5.3	1.703	2.608	10.6	16.7
2 11	10 7.78	− 3 21.0	1.642	2.593	7.3	16.5
2 21	9 59.35	− 2 15.3	1.607	2.578	5.2	16.3
3 2	9 50.97	− 0 53.6	1.600	2.563	6.6	16.4
3 12	9 43.72	+ 0 35.8	1.620	2.548	10.0	16.5
3 22	9 38.46	+ 2 4.6	1.665	2.534	13.7	16.7

95213 2002 CN_{6} 2 17.9 341°.30 5°.0/16.2 18

1 12	10 48.07	+26 59.3	1.584	2.383	17.0	18.8
1 22	10 39.65	+26 30.8	1.496	2.376	13.4	18.5
2 1	10 27.58	+25 54.2	1.431	2.369	9.4	18.3
2 11	10 12.86	+25 2.0	1.393	2.363	5.7	18.0
2 21	9 57.09	+23 49.7	1.385	2.358	5.6	18.0
3 2	9 42.16	+22 17.3	1.407	2.353	9.3	18.2
3 12	9 29.71	+20 29.2	1.457	2.349	13.6	18.5
3 22	9 20.70	+18 32.1	1.531	2.346	17.4	18.7

283228 2010 RD_{65} 2 17.9 152°.35 3°.4/20.7 18

1 12	10 28.18	+ 0 14.7	2.013	2.766	15.4	20.8
1 22	10 23.56	+ 0 16.2	1.927	2.773	12.4	20.6
2 1	10 16.74	+ 0 35.9	1.862	2.780	9.0	20.4
2 11	10 8.32	+ 1 12.6	1.823	2.786	5.4	20.2
2 21	9 59.16	+ 2 2.7	1.812	2.792	3.4	20.1
3 2	9 50.24	+ 3 0.8	1.830	2.796	5.6	20.2
3 12	9 42.56	+ 4 0.6	1.877	2.801	9.1	20.4
3 22	9 36.83	+ 4 56.3	1.949	2.805	12.5	20.6

36365 2000 OO_{9} 2 17.9 104°.43 2°.6/15.2 18

1 12	10 27.32	+15 20.1	2.080	2.885	13.2	19.0
1 22	10 22.80	+16 39.8	2.015	2.904	10.0	18.8
2 1	10 16.16	+18 8.3	1.976	2.924	6.4	18.6
2 11	10 8.04	+19 38.1	1.965	2.943	3.2	18.4
2 21	9 59.31	+21 1.6	1.984	2.961	3.6	18.5
3 2	9 50.94	+22 12.2	2.033	2.979	6.9	18.7
3 12	9 43.86	+23 5.7	2.109	2.996	10.2	19.0
3 22	9 38.70	+23 40.8	2.209	3.014	13.1	19.2

309778 2008 YG_{139} 2 17.9 189°.55 1°.2/18.8 18

1 12	10 30.01	+ 6 37.3	1.868	2.649	15.4	21.7
1 22	10 25.22	+ 6 50.3	1.778	2.648	12.2	21.5
2 1	10 17.97	+ 7 18.5	1.711	2.647	8.2	21.3
2 11	10 8.88	+ 7 58.7	1.669	2.646	3.9	21.0
2 21	9 58.89	+ 8 46.1	1.656	2.643	1.6	20.8
3 2	9 49.13	+ 9 34.8	1.673	2.640	5.8	21.1
3 12	9 40.72	+10 18.8	1.717	2.637	10.1	21.3
3 22	9 34.48	+10 53.9	1.785	2.633	13.9	21.6

12508 1998 FZ_{113} 2 17.9 173°.33 3°.8/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 28.53	− 0 39.1	2.052	2.799	15.3	19.0
1 22	10 23.84	− 0 42.0	1.960	2.802	12.5	18.8
2 1	10 16.94	− 0 26.4	1.890	2.804	9.2	18.6
2 11	10 8.42	+ 0 6.7	1.846	2.806	5.7	18.4
2 21	9 59.11	+ 0 54.3	1.830	2.807	3.8	18.3
3 2	9 50.01	+ 1 51.3	1.843	2.808	5.7	18.4
3 12	9 42.10	+ 2 51.3	1.885	2.808	9.2	18.6
3 22	9 36.12	+ 3 48.6	1.952	2.807	12.5	18.8

427534 2002 QL_{57} 2 17.9 152°.97 0°.3/18.1 17

1 12	10 28.07	+10 6.1	2.501	3.280	12.0	21.7
1 22	10 23.03	+10 12.9	2.414	3.286	9.3	21.5
2 1	10 16.17	+10 28.2	2.351	3.291	6.1	21.3
2 11	10 8.03	+10 49.1	2.317	3.296	2.6	21.1
2 21	9 59.33	+11 12.3	2.313	3.301	1.1	21.0
3 2	9 50.86	+11 34.2	2.340	3.305	4.7	21.2
3 12	9 43.43	+11 51.7	2.396	3.309	8.0	21.5
3 22	9 37.61	+12 2.5	2.477	3.312	10.9	21.7

274192 2008 HT_{6} 2 17.9 200°.89 1°.1/17.1 18

1 12	10 31.82	+11 57.3	1.512	2.320	17.2	21.5
1 22	10 27.23	+12 29.1	1.429	2.318	13.3	21.3
2 1	10 19.60	+13 15.3	1.368	2.315	8.7	21.0
2 11	10 9.65	+14 10.0	1.331	2.312	3.5	20.7
2 21	9 58.55	+15 5.2	1.323	2.309	2.4	20.6
3 2	9 47.76	+15 53.0	1.341	2.305	7.6	20.9
3 12	9 38.72	+16 27.3	1.386	2.300	12.5	21.2
3 22	9 32.42	+16 45.3	1.452	2.295	16.7	21.4

151074 2001 VV_{57} 2 17.9 17°.74 8°.9/12.7 18

1 12	10 30.36	+29 41.3	1.248	2.093	18.0	19.1
1 22	10 26.62	+30 42.2	1.200	2.101	14.3	18.9
2 1	10 19.29	+31 37.5	1.171	2.110	10.9	18.7
2 11	10 9.45	+32 15.0	1.165	2.121	8.9	18.7
2 21	9 58.72	+32 25.3	1.183	2.133	9.9	18.8
3 2	9 48.92	+32 4.0	1.224	2.146	12.9	19.0
3 12	9 41.57	+31 13.4	1.287	2.161	16.3	19.2
3 22	9 37.47	+29 59.4	1.369	2.176	19.5	19.5

241472 2009 AC_{49} 2 17.9 341°.48 5°.5/12.8 18

1 12	10 27.29	+26 2.0	2.082	2.901	12.7	20.0
1 22	10 23.04	+27 3.2	2.007	2.899	9.9	19.8
2 1	10 16.47	+28 4.6	1.957	2.896	7.2	19.6
2 11	10 8.23	+28 58.5	1.935	2.894	5.6	19.5
2 21	9 59.23	+29 38.1	1.940	2.892	6.4	19.5
3 2	9 50.56	+29 58.6	1.972	2.891	8.9	19.7
3 12	9 43.25	+29 58.3	2.030	2.889	11.8	19.9
3 22	9 38.02	+29 38.6	2.109	2.888	14.5	20.0

187823 1999 UK_{16} 2 17.9 155°.89 2°.8/15.8 18

1 12	10 34.25	+16 31.5	1.764	2.568	15.3	20.9
1 22	10 28.57	+17 19.3	1.689	2.577	11.7	20.7
2 1	10 20.16	+18 15.6	1.638	2.585	7.6	20.5
2 11	10 9.78	+19 12.9	1.614	2.592	3.6	20.3
2 21	9 58.53	+20 3.6	1.619	2.598	3.7	20.3
3 2	9 47.72	+20 41.2	1.653	2.604	7.7	20.5
3 12	9 38.57	+21 2.2	1.714	2.609	11.7	20.8
3 22	9 31.92	+21 5.9	1.797	2.613	15.2	21.0

48499 1993 BV_{7} 2 17.9 16°.56 1°.5/19.3 18

1 12	10 23.98	+ 5 19.3	2.214	2.991	13.5	18.7
1 22	10 20.20	+ 5 33.0	2.124	2.991	10.6	18.5
2 1	10 14.49	+ 6 0.5	2.058	2.992	7.2	18.3
2 11	10 7.39	+ 6 39.3	2.018	2.993	3.6	18.0
2 21	9 59.62	+ 7 25.4	2.007	2.993	1.7	17.9
3 2	9 52.06	+ 8 13.9	2.026	2.994	4.9	18.1
3 12	9 45.55	+ 8 59.8	2.072	2.995	8.5	18.3
3 22	9 40.73	+ 9 39.0	2.144	2.996	11.7	18.6

346858 2009 EN_{19} 2 17.9 318°.55 0°.1/17.9 17

1 12	10 24.19	+ 9 45.9	2.171	2.964	13.2	21.1
1 22	10 20.46	+10 6.4	2.078	2.958	10.2	20.9
2 1	10 14.71	+10 38.0	2.009	2.952	6.7	20.7
2 11	10 7.50	+11 17.4	1.967	2.947	2.8	20.4
2 21	9 59.57	+12 0.1	1.954	2.941	1.3	20.3
3 2	9 51.82	+12 41.0	1.970	2.936	5.3	20.5
3 12	9 45.15	+13 15.6	2.014	2.931	9.0	20.8
3 22	9 40.22	+13 40.8	2.082	2.926	12.3	21.0

32214 Colburn 2 17.9 177°.19 1°.0/18.7 18

1 12	10 27.06	+ 6 58.3	2.053	2.834	14.2	19.4
1 22	10 22.71	+ 7 15.4	1.964	2.835	11.1	19.2
2 1	10 16.21	+ 7 46.3	1.899	2.836	7.5	19.0
2 11	10 8.13	+ 8 27.9	1.860	2.837	3.5	18.7
2 21	9 59.29	+ 9 15.4	1.850	2.837	1.4	18.6
3 2	9 50.68	+10 3.6	1.869	2.837	5.3	18.9
3 12	9 43.26	+10 47.1	1.916	2.836	9.2	19.1
3 22	9 37.75	+11 22.0	1.989	2.836	12.7	19.3

499942 2011 HC_{59} 2 17.9 268°.00 3°.2/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 22.65	− 1 21.9	2.164	2.916	14.5	21.3
1 22	10 19.31	− 0 56.6	2.064	2.909	11.8	21.1
2 1	10 14.00	− 0 11.2	1.986	2.903	8.6	20.9
2 11	10 7.23	+ 0 53.1	1.934	2.896	5.3	20.7
2 21	9 59.71	+ 2 12.0	1.910	2.890	3.2	20.5
3 2	9 52.30	+ 3 39.5	1.915	2.883	5.2	20.6
3 12	9 45.91	+ 5 8.3	1.949	2.876	8.6	20.8
3 22	9 41.20	+ 6 31.7	2.008	2.869	12.0	21.0

394828 2008 SU_{139} 2 17.9 143°.58 1°.1/18.7 18

1 12	10 31.36	+ 6 36.3	1.780	2.561	16.1	21.9
1 22	10 26.25	+ 6 56.0	1.701	2.572	12.6	21.7
2 1	10 18.61	+ 7 31.6	1.645	2.582	8.4	21.4
2 11	10 9.14	+ 8 19.4	1.615	2.592	3.9	21.2
2 21	9 58.85	+ 9 13.7	1.614	2.601	1.6	21.0
3 2	9 48.94	+10 8.0	1.642	2.609	6.0	21.3
3 12	9 40.53	+10 56.0	1.697	2.616	10.3	21.6
3 22	9 34.41	+11 33.7	1.776	2.623	14.0	21.8

90 Antiope 2 17.9 196°.26 0°.8/16.9 18 A

1 12	10 24.62	+12 49.5	2.879	3.666	10.4	14.1
1 22	10 20.27	+13 21.2	2.785	3.664	8.0	13.9
2 1	10 14.34	+13 59.9	2.717	3.661	5.1	13.7
2 11	10 7.29	+14 42.3	2.677	3.658	2.1	13.5
2 21	9 59.70	+15 24.4	2.669	3.654	1.5	13.4
3 2	9 52.27	+16 2.5	2.691	3.650	4.6	13.6
3 12	9 45.66	+16 33.3	2.743	3.646	7.5	13.8
3 22	9 40.39	+16 55.0	2.820	3.641	10.1	14.0

383782 2007 VH_{323} 2 17.9 107°.14 2°.3/19.9 18

1 12	10 25.88	+ 3 39.7	2.349	3.111	13.2	20.8
1 22	10 21.51	+ 3 31.9	2.259	3.115	10.5	20.6
2 1	10 15.27	+ 3 37.0	2.193	3.119	7.4	20.4
2 11	10 7.70	+ 3 53.5	2.154	3.123	4.1	20.2
2 21	9 59.52	+ 4 18.6	2.143	3.126	2.4	20.1
3 2	9 51.55	+ 4 48.7	2.163	3.130	4.8	20.3
3 12	9 44.60	+ 5 19.6	2.211	3.133	8.0	20.5
3 22	9 39.29	+ 5 47.5	2.284	3.137	11.0	20.7

456895 2007 VM_{176} 2 17.9 143°.81 1°.5/16.8 18

1 12	10 30.00	+13 27.3	1.649	2.458	16.0	22.0
1 22	10 25.50	+14 0.6	1.571	2.461	12.3	21.8
2 1	10 18.27	+14 45.3	1.516	2.464	7.9	21.5
2 11	10 9.05	+15 35.5	1.486	2.467	3.3	21.2
2 21	9 58.90	+16 23.9	1.485	2.470	2.6	21.2
3 2	9 49.13	+17 3.6	1.511	2.472	7.2	21.5
3 12	9 40.98	+17 30.0	1.564	2.474	11.6	21.7
3 22	9 35.28	+17 41.1	1.639	2.476	15.4	22.0

419033 2009 QT_{57} 2 17.9 140°.68 2°.8/14.5 17

1 12	10 28.10	+18 3.3	2.707	3.502	10.8	22.0
1 22	10 22.98	+19 21.8	2.635	3.518	8.2	21.8
2 1	10 16.12	+20 45.3	2.590	3.534	5.3	21.6
2 11	10 8.03	+22 8.0	2.575	3.549	3.0	21.5
2 21	9 59.39	+23 23.9	2.592	3.563	3.6	21.6
3 2	9 51.00	+24 27.9	2.641	3.576	6.1	21.8
3 12	9 43.60	+25 16.9	2.718	3.588	8.8	21.9
3 22	9 37.75	+25 50.0	2.820	3.600	11.2	22.1

512234 2015 VO_{66} 2 17.9 277°.09 34°.4/20.1 18

1 12	11 30.84	+39 5.9	0.541	1.375	35.1	21.4
1 22	11 38.55	+47 4.5	0.450	1.322	34.5	20.9
2 1	11 39.59	+57 58.5	0.378	1.259	37.2	20.5
2 11	11 20.62	+71 43.1	0.327	1.187	45.7	20.3
2 21	7 35.52	+84 54.7	0.300	1.104	60.0	20.3
3 2	1 41.50	+74 6.5	0.293	1.011	77.8	20.7
3 12	1 4.41	+58 20.1	0.302	0.906	98.0	21.3
3 22	0 48.59	+42 31.6	0.328	0.789	120.6	22.5

310114 2010 VH_{194} 2 17.9 108°.58 0°.0/17.9 18

1 12	10 26.92	+ 8 57.1	1.814	2.611	15.2	21.1
1 22	10 22.85	+ 9 30.9	1.735	2.617	11.8	20.9
2 1	10 16.40	+10 19.4	1.679	2.623	7.7	20.7
2 11	10 8.24	+11 17.7	1.649	2.629	3.2	20.4
2 21	9 59.30	+12 19.5	1.647	2.635	1.5	20.3
3 2	9 50.66	+13 18.0	1.675	2.641	6.0	20.6
3 12	9 43.41	+14 7.2	1.729	2.646	10.2	20.9
3 22	9 38.29	+14 43.6	1.806	2.652	13.8	21.1

192603 1999 EA_{9} 2 17.9 36°.28 0°.8/17.5 18

1 12	10 30.31	+12 25.1	1.237	2.062	19.3	20.2
1 22	10 26.38	+12 32.7	1.173	2.071	14.9	20.0
2 1	10 19.12	+12 54.1	1.129	2.080	9.7	19.7
2 11	10 9.45	+13 23.4	1.109	2.090	3.9	19.4
2 21	9 58.77	+13 53.1	1.113	2.100	2.3	19.3
3 2	9 48.73	+14 16.3	1.144	2.111	7.9	19.7
3 12	9 40.84	+14 27.8	1.198	2.123	13.1	20.0
3 22	9 36.00	+14 25.5	1.273	2.135	17.4	20.3

6631 Pyatnitskij 2 17.9 93°.61 3°.0/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 27.38	+ 1 2.8	1.729	2.498	16.9	17.3
1 22	10 23.20	+ 1 20.6	1.656	2.514	13.5	17.1
2 1	10 16.61	+ 1 59.4	1.604	2.530	9.6	16.9
2 11	10 8.32	+ 2 56.8	1.577	2.546	5.4	16.7
2 21	9 59.29	+ 4 7.1	1.578	2.561	3.0	16.5
3 2	9 50.65	+ 5 23.1	1.607	2.576	5.9	16.7
3 12	9 43.47	+ 6 36.8	1.664	2.591	9.9	17.0
3 22	9 38.47	+ 7 41.9	1.745	2.606	13.5	17.3

9908 Aue 2 17.9 72°.32 1°.3/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.44	+13 27.7	2.038	2.841	13.5	18.0
1 22	10 22.24	+13 59.8	1.959	2.846	10.4	17.8
2 1	10 15.89	+14 41.0	1.905	2.852	6.7	17.6
2 11	10 8.01	+15 26.5	1.877	2.858	2.8	17.3
2 21	9 59.44	+16 10.6	1.878	2.863	2.2	17.3
3 2	9 51.19	+16 48.0	1.909	2.869	6.0	17.6
3 12	9 44.18	+17 14.8	1.967	2.875	9.7	17.8
3 22	9 39.10	+17 29.1	2.048	2.880	12.9	18.0

4005 Dyagilev 2 17.9 159°.54 3°.5/14.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.27	+18 47.8	1.973	2.782	13.7	17.3
1 22	10 25.33	+19 48.8	1.898	2.788	10.5	17.1
2 1	10 17.99	+20 56.2	1.846	2.793	6.9	16.9
2 11	10 8.90	+22 2.5	1.823	2.798	3.9	16.7
2 21	9 59.03	+23 0.4	1.829	2.802	4.4	16.7
3 2	9 49.50	+23 43.8	1.863	2.805	7.7	16.9
3 12	9 41.37	+24 9.2	1.924	2.808	11.2	17.2
3 22	9 35.41	+24 16.5	2.009	2.811	14.3	17.4

152531 2006 YY_{47} 2 17.9 97°.66 0°.1/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.43	+ 7 19.6	1.477	2.274	18.1	20.5
1 22	10 26.60	+ 8 17.8	1.418	2.299	13.9	20.3
2 1	10 18.93	+ 9 35.5	1.379	2.323	9.1	20.0
2 11	10 9.29	+11 5.6	1.367	2.347	3.7	19.8
2 21	9 58.88	+12 38.3	1.382	2.370	1.7	19.7
3 2	9 49.08	+14 3.9	1.426	2.392	6.9	20.1
3 12	9 41.14	+15 14.6	1.496	2.413	11.6	20.4
3 22	9 35.82	+16 6.7	1.589	2.434	15.4	20.7

1758 Naantali 2 17.9 280°.45 2°.8/14.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.17	+16 56.0	2.191	3.002	12.4	16.0
1 22	10 20.50	+18 2.2	2.107	2.999	9.5	15.8
2 1	10 14.78	+19 16.4	2.047	2.996	6.1	15.6
2 11	10 7.57	+20 32.3	2.016	2.993	3.2	15.4
2 21	9 59.63	+21 43.0	2.014	2.990	3.7	15.4
3 2	9 51.88	+22 42.4	2.041	2.987	6.9	15.6
3 12	9 45.24	+23 26.1	2.095	2.984	10.2	15.8
3 22	9 40.39	+23 52.7	2.173	2.981	13.2	16.0

246254 2007 TV_{7} 2 17.9 221°.47 2°.5/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.86	+ 1 22.9	2.421	3.178	13.0	20.7
1 22	10 19.22	+ 1 38.7	2.326	3.177	10.4	20.5
2 1	10 13.81	+ 2 9.9	2.253	3.176	7.4	20.3
2 11	10 7.13	+ 2 54.9	2.208	3.174	4.3	20.1
2 21	9 59.84	+ 3 50.1	2.191	3.173	2.5	20.0
3 2	9 52.70	+ 4 50.9	2.204	3.172	4.6	20.1
3 12	9 46.48	+ 5 51.9	2.246	3.170	7.8	20.3
3 22	9 41.77	+ 6 48.4	2.313	3.169	10.8	20.5

411372 2010 VM_{32} 2 17.9 39°.83 11°.1/ 9.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.81	+34 39.8	1.351	2.186	17.4	20.1
1 22	10 27.63	+36 31.0	1.320	2.207	14.3	19.9
2 1	10 19.88	+38 10.4	1.310	2.229	11.9	19.8
2 11	10 9.71	+39 24.1	1.323	2.251	11.1	19.9
2 21	9 58.75	+40 2.5	1.359	2.274	12.3	20.0
3 2	9 48.81	+40 2.3	1.419	2.297	14.6	20.2
3 12	9 41.37	+39 26.9	1.498	2.321	17.2	20.4
3 22	9 37.17	+38 23.5	1.595	2.345	19.5	20.6

346041 2007 TN_{425} 2 17.9 66°.91 4°.4/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.71	+22 4.4	2.145	2.963	12.4	20.4
1 22	10 21.63	+23 16.6	2.082	2.976	9.5	20.2
2 1	10 15.46	+24 31.7	2.044	2.988	6.5	20.0
2 11	10 7.82	+25 42.4	2.033	3.001	4.5	19.9
2 21	9 59.56	+26 41.8	2.052	3.014	5.2	20.0
3 2	9 51.65	+27 24.8	2.098	3.027	7.9	20.2
3 12	9 45.02	+27 48.8	2.171	3.040	10.8	20.4
3 22	9 40.28	+27 54.2	2.266	3.053	13.4	20.6

402744 2006 XD_{16} 2 17.9 61°.26 0°.5/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.55	+ 6 40.6	1.541	2.338	17.5	20.9
1 22	10 24.15	+ 7 27.0	1.489	2.370	13.4	20.7
2 1	10 17.20	+ 8 31.4	1.459	2.402	8.8	20.5
2 11	10 8.53	+ 9 47.6	1.455	2.434	3.8	20.3
2 21	9 59.27	+11 7.3	1.478	2.465	1.5	20.2
3 2	9 50.65	+12 22.0	1.529	2.497	6.3	20.6
3 12	9 43.76	+13 24.9	1.607	2.528	10.6	20.9
3 22	9 39.25	+14 12.2	1.708	2.560	14.2	21.2

40852 1999 TX_{105} 2 17.9 94°.91 2°.7/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 25.87	+ 0 37.6	2.203	2.956	14.2	19.2
1 22	10 21.51	+ 0 56.5	2.129	2.977	11.4	19.0
2 1	10 15.27	+ 1 32.6	2.077	2.997	8.1	18.8
2 11	10 7.72	+ 2 23.3	2.052	3.017	4.7	18.7
2 21	9 59.63	+ 3 24.6	2.055	3.037	2.7	18.6
3 2	9 51.86	+ 4 30.9	2.089	3.056	4.9	18.7
3 12	9 45.22	+ 5 36.3	2.151	3.075	8.1	19.0
3 22	9 40.30	+ 6 35.7	2.239	3.094	11.2	19.2

304568 2006 VE_{19} 2 17.9 158°.13 4°.9/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.63	+28 7.6	2.764	3.570	10.3	20.9
1 22	10 22.72	+29 3.4	2.693	3.574	8.1	20.8
2 1	10 16.00	+29 57.4	2.647	3.578	6.0	20.7
2 11	10 8.02	+30 43.7	2.630	3.581	4.9	20.6
2 21	9 59.49	+31 17.4	2.642	3.585	5.6	20.6
3 2	9 51.23	+31 35.4	2.683	3.587	7.5	20.8
3 12	9 44.03	+31 36.3	2.751	3.590	9.7	20.9
3 22	9 38.46	+31 21.3	2.842	3.593	11.8	21.1

341412 2007 TQ_{182} 2 17.9 75°.60 8°.3/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.95	+36 16.7	2.231	3.037	12.4	20.1
1 22	10 25.76	+37 47.1	2.191	3.058	10.3	20.0
2 1	10 18.16	+39 8.4	2.176	3.079	8.7	19.9
2 11	10 8.93	+40 12.2	2.187	3.100	8.3	19.9
2 21	9 59.09	+40 52.4	2.225	3.120	9.2	20.0
3 2	9 49.82	+41 5.9	2.289	3.141	10.8	20.2
3 12	9 42.13	+40 53.8	2.376	3.161	12.8	20.3
3 22	9 36.68	+40 19.8	2.482	3.181	14.5	20.5

206800 2004 DA_{44} 2 17.9 68°.88 2°.7/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 37.87	+20 54.5	2.123	2.916	13.4	19.3
1 22	10 30.60	+20 49.4	2.058	2.939	10.3	19.2
2 1	10 21.07	+20 44.5	2.019	2.962	6.7	19.0
2 11	10 10.07	+20 35.4	2.009	2.984	3.4	18.8
2 21	9 58.64	+20 18.5	2.029	3.007	3.3	18.9
3 2	9 47.87	+19 51.8	2.080	3.030	6.4	19.1
3 12	9 38.72	+19 15.2	2.159	3.052	9.7	19.3
3 22	9 31.81	+18 29.9	2.264	3.074	12.6	19.6

506305 2017 OK 2 17.9 184°.88 4°.6/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.56	− 4 29.4	2.658	3.368	13.0	21.7
1 22	10 22.65	− 4 53.3	2.557	3.369	10.9	21.6
2 1	10 15.99	− 5 2.0	2.479	3.368	8.4	21.4
2 11	10 8.06	− 4 55.0	2.427	3.367	6.0	21.2
2 21	9 59.48	− 4 33.6	2.404	3.366	4.6	21.1
3 2	9 51.04	− 4 0.3	2.410	3.363	5.5	21.2
3 12	9 43.47	− 3 19.5	2.446	3.361	7.8	21.3
3 22	9 37.39	− 2 35.7	2.509	3.358	10.3	21.5

277188 2005 QF_{23} 2 17.9 133°.93 0°.7/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.59	+10 7.4	1.749	2.542	15.8	21.2
1 22	10 26.47	+10 56.8	1.677	2.557	12.2	21.0
2 1	10 18.79	+12 0.6	1.628	2.572	7.9	20.8
2 11	10 9.27	+13 12.7	1.605	2.585	3.2	20.5
2 21	9 58.96	+14 25.5	1.612	2.598	1.9	20.4
3 2	9 49.07	+15 31.3	1.648	2.610	6.6	20.8
3 12	9 40.75	+16 24.1	1.711	2.621	10.8	21.0
3 22	9 34.77	+17 1.1	1.798	2.632	14.4	21.3

8803 Kolyer 2 17.9 159°.43 0°.4/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.51	+ 8 23.4	2.908	3.681	10.7	19.6
1 22	10 20.13	+ 8 45.5	2.819	3.686	8.3	19.5
2 1	10 14.24	+ 9 16.6	2.754	3.691	5.5	19.3
2 11	10 7.30	+ 9 54.0	2.718	3.696	2.4	19.1
2 21	9 59.87	+10 34.5	2.713	3.700	0.9	19.0
3 2	9 52.62	+11 14.3	2.738	3.704	4.0	19.2
3 12	9 46.18	+11 50.0	2.794	3.707	7.0	19.4
3 22	9 41.06	+12 19.1	2.876	3.711	9.5	19.6

383342 2006 QT_{22} 2 17.9 149°.18 1°.2/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.39	+ 2 51.0	2.391	3.156	12.9	20.4
1 22	10 18.90	+ 3 52.2	2.297	3.158	10.2	20.3
2 1	10 13.65	+ 5 10.9	2.228	3.160	6.9	20.1
2 11	10 7.11	+ 6 43.4	2.187	3.161	3.4	19.8
2 21	9 59.95	+ 8 24.0	2.176	3.162	1.4	19.7
3 2	9 52.94	+10 5.8	2.196	3.164	4.6	19.9
3 12	9 46.86	+11 41.8	2.246	3.165	8.1	20.1
3 22	9 42.30	+13 7.0	2.322	3.166	11.2	20.3

500418 2012 TZ_{128} 2 17.9 160°.13 3°.5/21.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.98	− 2 16.5	2.620	3.352	12.7	22.4
1 22	10 19.92	− 2 15.1	2.526	3.355	10.4	22.2
2 1	10 14.21	− 1 58.0	2.454	3.359	7.8	22.0
2 11	10 7.32	− 1 26.0	2.408	3.362	5.1	21.9
2 21	9 59.87	− 0 41.6	2.392	3.365	3.5	21.8
3 2	9 52.57	+ 0 11.4	2.405	3.367	4.8	21.9
3 12	9 46.15	+ 1 8.2	2.447	3.370	7.4	22.0
3 22	9 41.15	+ 2 4.1	2.516	3.372	10.1	22.2

122989 2000 ST_{245} 2 17.9 89°.62 4°.1/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 30.20	+21 18.7	1.878	2.693	14.0	20.2
1 22	10 25.36	+22 5.8	1.809	2.701	10.8	20.0
2 1	10 18.03	+22 56.1	1.764	2.709	7.2	19.8
2 11	10 8.96	+23 42.5	1.745	2.717	4.4	19.7
2 21	9 59.15	+24 18.0	1.755	2.725	5.0	19.7
3 2	9 49.79	+24 37.6	1.793	2.733	8.1	19.9
3 12	9 41.97	+24 39.3	1.857	2.741	11.5	20.1
3 22	9 36.41	+24 23.8	1.943	2.749	14.6	20.4

242465 2004 RC_{238} 2 17.9 346°.29 0°.6/18.3 18

1 12	10 27.80	+ 9 16.5	1.295	2.114	19.0	20.4
1 22	10 24.55	+ 9 19.1	1.217	2.109	14.9	20.1
2 1	10 18.08	+ 9 38.8	1.158	2.106	9.9	19.8
2 11	10 9.16	+10 11.5	1.123	2.103	4.3	19.5
2 21	9 59.02	+10 50.7	1.112	2.100	1.8	19.3
3 2	9 49.22	+11 28.8	1.128	2.098	7.5	19.6
3 12	9 41.32	+11 58.8	1.167	2.097	12.9	19.9
3 22	9 36.33	+12 16.2	1.227	2.096	17.5	20.2

358005 2006 DT_{78} 2 17.9 238°.90 0°.4/18.2 17

1 12	10 30.50	+ 8 55.3	1.922	2.707	14.9	22.0
1 22	10 25.75	+ 9 13.0	1.818	2.693	11.7	21.8
2 1	10 18.49	+ 9 44.3	1.737	2.677	7.8	21.5
2 11	10 9.26	+10 25.8	1.682	2.661	3.4	21.2
2 21	9 58.96	+11 12.3	1.657	2.644	1.4	21.0
3 2	9 48.72	+11 58.0	1.661	2.626	6.1	21.3
3 12	9 39.72	+12 37.0	1.692	2.608	10.5	21.5
3 22	9 32.87	+13 5.7	1.748	2.589	14.4	21.7

230414 2002 LW_{44} 2 17.9 326°.01 2°.7/15.4 18

1 12	10 22.49	+13 43.0	1.719	2.540	14.9	19.4
1 22	10 19.83	+15 1.9	1.631	2.529	11.4	19.2
2 1	10 14.70	+16 35.7	1.568	2.519	7.3	18.9
2 11	10 7.69	+18 17.0	1.530	2.510	3.4	18.7
2 21	9 59.69	+19 56.1	1.521	2.501	3.8	18.7
3 2	9 51.85	+21 23.5	1.539	2.492	7.9	18.9
3 12	9 45.33	+22 32.0	1.583	2.484	12.1	19.1
3 22	9 41.01	+23 18.4	1.649	2.477	15.8	19.3

38783 2000 RU_{35} 2 17.9 67°.69 3°.7/21.4 18

1 12	10 26.49	− 2 9.7	1.824	2.577	16.8	19.3
1 22	10 22.29	− 1 46.7	1.762	2.606	13.5	19.1
2 1	10 15.90	− 1 1.1	1.721	2.636	9.8	18.9
2 11	10 8.03	+ 0 4.3	1.704	2.665	6.0	18.8
2 21	9 59.60	+ 1 24.1	1.716	2.695	3.7	18.7
3 2	9 51.63	+ 2 50.8	1.756	2.723	5.6	18.9
3 12	9 45.07	+ 4 16.3	1.824	2.752	9.1	19.1
3 22	9 40.52	+ 5 34.1	1.918	2.781	12.4	19.4

194376 2001 US_{212} 2 17.9 357°.34 7°.0/13.6 18

1 12	10 28.11	+23 11.5	1.170	2.019	18.6	20.0
1 22	10 25.27	+24 22.3	1.107	2.016	14.5	19.8
2 1	10 18.76	+25 38.3	1.063	2.014	10.2	19.5
2 11	10 9.48	+26 46.9	1.043	2.013	7.2	19.3
2 21	9 58.92	+27 35.6	1.046	2.012	8.3	19.4
3 2	9 48.96	+27 55.9	1.073	2.013	12.3	19.6
3 12	9 41.32	+27 45.3	1.120	2.014	16.6	19.9
3 22	9 37.03	+27 7.3	1.186	2.016	20.5	20.1

519621 2012 UQ_{181} 2 17.9 168°.30 2°.1/20.2 17

1 12	10 23.62	+ 2 9.6	2.745	3.497	11.7	22.5
1 22	10 19.58	+ 2 26.4	2.651	3.500	9.4	22.4
2 1	10 13.96	+ 2 56.4	2.580	3.502	6.6	22.2
2 11	10 7.23	+ 3 37.8	2.537	3.504	3.7	22.0
2 21	9 59.96	+ 4 27.4	2.523	3.506	2.1	21.9
3 2	9 52.85	+ 5 21.2	2.541	3.508	4.1	22.0
3 12	9 46.56	+ 6 14.8	2.587	3.509	7.1	22.2
3 22	9 41.63	+ 7 4.2	2.660	3.510	9.8	22.4

413093 2001 UF_{31} 2 17.9 60°.27 0°.8/18.5 18

1 12	10 28.10	+ 6 42.0	1.596	2.391	17.0	21.2
1 22	10 23.80	+ 7 15.5	1.540	2.419	13.2	21.0
2 1	10 17.01	+ 8 6.3	1.506	2.447	8.7	20.8
2 11	10 8.52	+ 9 9.1	1.497	2.475	3.8	20.6
2 21	9 59.42	+10 16.6	1.516	2.503	1.5	20.5
3 2	9 50.91	+11 21.1	1.563	2.531	6.1	20.9
3 12	9 44.04	+12 16.3	1.636	2.559	10.3	21.2
3 22	9 39.49	+12 58.1	1.733	2.587	13.9	21.5

363128 2001 QW_{32} 2 17.9 134°.59 4°.9/22.7 18

1 12	10 27.09	− 5 35.8	2.248	2.965	15.0	21.4
1 22	10 22.53	− 5 39.2	2.163	2.978	12.5	21.2
2 1	10 16.01	− 5 22.4	2.098	2.991	9.6	21.0
2 11	10 8.11	− 4 45.8	2.059	3.002	6.7	20.9
2 21	9 59.58	− 3 52.0	2.048	3.014	4.9	20.8
3 2	9 51.29	− 2 45.6	2.067	3.024	5.9	20.8
3 12	9 44.10	− 1 33.0	2.114	3.034	8.5	21.0
3 22	9 38.64	− 0 20.6	2.187	3.044	11.3	21.2

273040 2006 DN_{132} 2 17.9 254°.27 1°.8/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.14	+14 31.1	2.043	2.849	13.4	20.7
1 22	10 22.14	+15 14.0	1.957	2.846	10.3	20.5
2 1	10 15.94	+16 6.1	1.896	2.844	6.6	20.3
2 11	10 8.13	+17 2.0	1.861	2.841	2.9	20.0
2 21	9 59.55	+17 55.5	1.856	2.839	2.7	20.0
3 2	9 51.21	+18 40.8	1.880	2.836	6.4	20.2
3 12	9 44.07	+19 13.5	1.930	2.833	10.2	20.4
3 22	9 38.87	+19 31.7	2.004	2.831	13.4	20.6

133275 2003 SL_{14} 2 17.9 97°.97 0°.4/18.3 18

1 12	10 25.78	+ 8 16.0	2.095	2.882	13.8	20.6
1 22	10 21.69	+ 8 41.4	2.014	2.889	10.7	20.4
2 1	10 15.54	+ 9 19.5	1.956	2.896	7.1	20.2
2 11	10 7.93	+10 6.7	1.925	2.903	3.1	19.9
2 21	9 59.66	+10 57.8	1.923	2.910	1.2	19.8
3 2	9 51.66	+11 47.6	1.950	2.917	5.2	20.1
3 12	9 44.84	+12 30.9	2.006	2.924	9.0	20.3
3 22	9 39.83	+13 4.4	2.086	2.931	12.3	20.6

36141 1999 RF_{170} 2 17.9 237°.64 0°.4/18.3 18

1 12	10 23.98	+ 8 44.1	2.704	3.482	11.2	20.0
1 22	10 19.94	+ 9 4.8	2.603	3.475	8.7	19.8
2 1	10 14.26	+ 9 35.2	2.528	3.467	5.8	19.6
2 11	10 7.38	+10 12.7	2.481	3.459	2.5	19.3
2 21	9 59.91	+10 53.5	2.463	3.451	1.0	19.2
3 2	9 52.55	+11 33.9	2.477	3.442	4.4	19.4
3 12	9 46.03	+12 9.9	2.519	3.434	7.5	19.6
3 22	9 40.91	+12 38.9	2.587	3.425	10.4	19.8

415890 2001 TK_{90} 2 17.9 132°.76 1°.9/19.8 18

1 12	10 28.94	+ 3 38.5	2.432	3.186	13.0	22.4
1 22	10 23.72	+ 3 50.4	2.351	3.203	10.3	22.2
2 1	10 16.68	+ 4 15.6	2.294	3.220	7.1	22.1
2 11	10 8.37	+ 4 51.8	2.265	3.235	3.8	21.9
2 21	9 59.51	+ 5 35.4	2.266	3.250	2.0	21.8
3 2	9 50.95	+ 6 22.1	2.298	3.265	4.6	22.0
3 12	9 43.45	+ 7 7.2	2.359	3.278	7.8	22.2
3 22	9 37.60	+ 7 47.1	2.447	3.291	10.7	22.4

8215 Zanonato 2 17.9 291°.82 1°.7/16.8 18

1 12	10 28.17	+13 8.7	1.503	2.321	16.8	17.8
1 22	10 24.56	+13 43.9	1.417	2.311	13.0	17.5
2 1	10 18.00	+14 32.9	1.352	2.302	8.5	17.2
2 11	10 9.15	+15 29.5	1.312	2.293	3.5	16.9
2 21	9 59.11	+16 25.7	1.298	2.283	2.9	16.9
3 2	9 49.31	+17 13.2	1.312	2.274	7.9	17.1
3 12	9 41.15	+17 46.0	1.351	2.266	12.7	17.4
3 22	9 35.64	+18 1.2	1.411	2.257	17.0	17.6

23214 Patrickchen 2 17.9 238°.89 1°.3/16.8 18

1 12	10 27.65	+13 38.2	1.976	2.779	13.9	19.2
1 22	10 23.37	+14 8.3	1.889	2.776	10.7	19.0
2 1	10 16.78	+14 48.0	1.825	2.773	6.9	18.7
2 11	10 8.51	+15 32.2	1.789	2.769	2.9	18.5
2 21	9 59.43	+16 15.3	1.781	2.766	2.3	18.4
3 2	9 50.59	+16 51.7	1.803	2.763	6.3	18.7
3 12	9 43.03	+17 17.0	1.851	2.759	10.2	18.9
3 22	9 37.49	+17 29.3	1.923	2.756	13.6	19.1

462864 2010 VX_{45} 2 17.9 111°.28 1°.5/19.2 18

1 12	10 29.24	+ 5 31.9	1.995	2.769	14.8	21.8
1 22	10 24.34	+ 5 44.9	1.920	2.786	11.6	21.7
2 1	10 17.26	+ 6 12.5	1.869	2.802	7.9	21.5
2 11	10 8.65	+ 6 51.6	1.843	2.818	3.9	21.2
2 21	9 59.41	+ 7 37.7	1.847	2.834	1.7	21.1
3 2	9 50.53	+ 8 25.3	1.881	2.849	5.3	21.4
3 12	9 42.98	+ 9 9.1	1.942	2.863	9.1	21.6
3 22	9 37.40	+ 9 45.1	2.029	2.877	12.4	21.9

238749 2005 GZ_{171} 2 17.9 138°.40 4°.1/14.1 18

1 12	10 28.61	+23 16.8	2.306	3.116	11.9	20.8
1 22	10 23.79	+24 0.9	2.230	3.118	9.2	20.6
2 1	10 16.88	+24 46.2	2.178	3.121	6.3	20.4
2 11	10 8.50	+25 26.7	2.155	3.123	4.2	20.3
2 21	9 59.48	+25 56.9	2.161	3.125	4.8	20.4
3 2	9 50.78	+26 12.6	2.195	3.127	7.4	20.5
3 12	9 43.30	+26 12.3	2.257	3.129	10.3	20.7
3 22	9 37.70	+25 56.4	2.341	3.131	12.9	20.9

317072 2001 SR_{207} 2 17.9 244°.13 2°.7/15.5 17

1 12	10 28.03	+19 9.1	2.349	3.153	11.9	20.9
1 22	10 23.31	+19 38.6	2.261	3.149	9.1	20.7
2 1	10 16.58	+20 12.0	2.199	3.145	6.0	20.5
2 11	10 8.39	+20 44.2	2.164	3.140	3.2	20.3
2 21	9 59.52	+21 10.5	2.159	3.136	3.4	20.3
3 2	9 50.90	+21 26.7	2.184	3.131	6.4	20.5
3 12	9 43.40	+21 30.4	2.236	3.127	9.5	20.7
3 22	9 37.68	+21 21.3	2.312	3.122	12.4	20.8

186278 2002 AY_{96} 2 17.9 113°.59 3°.6/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 28.29	+18 55.6	2.139	2.947	12.8	20.8
1 22	10 23.60	+20 13.5	2.075	2.965	9.7	20.6
2 1	10 16.77	+21 36.9	2.036	2.982	6.4	20.4
2 11	10 8.45	+22 58.4	2.025	2.998	3.8	20.3
2 21	9 59.50	+24 10.7	2.044	3.014	4.5	20.3
3 2	9 50.92	+25 7.9	2.093	3.030	7.4	20.5
3 12	9 43.61	+25 46.8	2.169	3.045	10.5	20.8
3 22	9 38.25	+26 7.0	2.267	3.059	13.2	21.0

427451 2001 SL_{13} 2 17.9 108°.17 3°.7/22.6 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.45	− 5 17.2	2.686	3.400	12.8	21.9
1 22	10 19.43	− 4 48.4	2.602	3.418	10.6	21.7
2 1	10 13.84	− 4 1.5	2.540	3.436	8.0	21.6
2 11	10 7.19	− 2 57.8	2.505	3.453	5.3	21.4
2 21	10 0.07	− 1 40.9	2.500	3.470	3.7	21.3
3 2	9 53.18	− 0 15.7	2.525	3.487	4.6	21.4
3 12	9 47.17	+ 1 11.9	2.580	3.503	7.0	21.6
3 22	9 42.54	+ 2 36.5	2.663	3.519	9.6	21.8

427563 2002 VH_{117} 2 17.9 94°.31 3°.3/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.60	+21 46.6	2.491	3.291	11.4	21.3
1 22	10 24.92	+22 26.4	2.433	3.317	8.7	21.1
2 1	10 17.39	+23 7.4	2.400	3.342	5.8	21.0
2 11	10 8.63	+23 44.0	2.396	3.367	3.6	20.9
2 21	9 59.45	+24 11.8	2.423	3.392	4.0	20.9
3 2	9 50.72	+24 27.4	2.480	3.416	6.4	21.1
3 12	9 43.21	+24 29.4	2.564	3.439	9.1	21.3
3 22	9 37.47	+24 18.4	2.673	3.462	11.5	21.5

444426 2006 BC_{79} 2 17.9 60°.96 3°.4/16.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 50.90	+22 9.2	1.269	2.074	20.0	20.7
1 22	10 41.67	+21 37.0	1.218	2.104	15.4	20.5
2 1	10 28.67	+21 3.0	1.189	2.133	10.1	20.3
2 11	10 13.30	+20 20.6	1.185	2.163	4.9	20.1
2 21	9 57.47	+19 26.1	1.211	2.192	4.2	20.1
3 2	9 43.18	+18 19.6	1.265	2.222	8.8	20.4
3 12	9 31.95	+17 4.2	1.345	2.251	13.5	20.8
3 22	9 24.45	+15 43.8	1.448	2.280	17.4	21.1

97754 2000 HJ_{96} 2 17.9 208°.65 4°.6/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.37	− 4 41.8	2.164	2.893	15.2	20.3
1 22	10 21.45	− 4 34.6	2.064	2.889	12.6	20.1
2 1	10 15.49	− 4 6.0	1.984	2.884	9.6	19.9
2 11	10 7.99	− 3 16.5	1.930	2.879	6.5	19.7
2 21	9 59.69	− 2 8.8	1.903	2.874	4.6	19.6
3 2	9 51.51	− 0 48.1	1.906	2.868	5.8	19.7
3 12	9 44.38	+ 0 38.3	1.936	2.861	8.9	19.8
3 22	9 38.99	+ 2 3.2	1.993	2.855	12.1	20.0

165450 2000 YB_{114} 2 17.9 30°.55 0°.4/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.25	+11 6.7	1.284	2.107	18.8	20.2
1 22	10 24.73	+11 19.1	1.220	2.116	14.6	20.0
2 1	10 18.06	+11 46.8	1.175	2.125	9.5	19.7
2 11	10 9.12	+12 24.1	1.154	2.135	3.9	19.4
2 21	9 59.21	+13 3.7	1.158	2.146	2.0	19.3
3 2	9 49.87	+13 38.0	1.188	2.157	7.5	19.7
3 12	9 42.52	+14 1.1	1.243	2.169	12.6	20.0
3 22	9 38.04	+14 10.2	1.318	2.181	16.9	20.3

376972 2002 KO_{13} 2 17.9 174°.51 5°.9/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.99	+31 27.2	2.686	3.487	10.7	21.4
1 22	10 25.47	+32 34.3	2.616	3.490	8.6	21.3
2 1	10 17.91	+33 37.5	2.573	3.492	6.8	21.2
2 11	10 8.92	+34 30.2	2.557	3.494	5.9	21.1
2 21	9 59.30	+35 7.0	2.571	3.495	6.7	21.2
3 2	9 49.98	+35 24.4	2.613	3.496	8.5	21.3
3 12	9 41.84	+35 21.7	2.680	3.496	10.6	21.4
3 22	9 35.52	+35 0.6	2.770	3.495	12.6	21.6

71687 2000 FY_{31} 2 17.9 74°.67 7°.3/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.81	+31 46.9	2.091	2.906	12.8	19.0
1 22	10 25.07	+33 5.3	2.032	2.913	10.3	18.8
2 1	10 17.88	+34 18.8	1.997	2.920	8.2	18.7
2 11	10 8.95	+35 18.9	1.990	2.927	7.3	18.7
2 21	9 59.30	+35 58.5	2.009	2.934	8.3	18.7
3 2	9 50.10	+36 13.6	2.055	2.941	10.4	18.9
3 12	9 42.42	+36 4.0	2.124	2.948	12.8	19.0
3 22	9 36.99	+35 32.5	2.214	2.955	15.0	19.2

117412 2005 AJ_{12} 2 17.9 10°.30 2°.0/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.15	+14 54.8	1.599	2.422	15.7	20.0
1 22	10 21.88	+15 26.4	1.527	2.425	12.0	19.8
2 1	10 16.00	+16 8.0	1.476	2.428	7.8	19.5
2 11	10 8.23	+16 53.4	1.451	2.432	3.4	19.3
2 21	9 59.62	+17 35.6	1.453	2.436	3.1	19.3
3 2	9 51.41	+18 8.2	1.481	2.442	7.3	19.5
3 12	9 44.76	+18 26.6	1.535	2.448	11.6	19.8
3 22	9 40.46	+18 29.4	1.611	2.456	15.3	20.0

316268 2010 PJ_{26} 2 17.9 197°.66 0°.3/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 30.92	+ 9 44.7	1.924	2.712	14.8	21.1
1 22	10 25.93	+ 9 55.6	1.833	2.709	11.6	20.9
2 1	10 18.51	+10 18.3	1.766	2.707	7.6	20.6
2 11	10 9.27	+10 49.4	1.725	2.704	3.3	20.4
2 21	9 59.15	+11 23.9	1.713	2.700	1.4	20.2
3 2	9 49.26	+11 56.7	1.730	2.696	5.9	20.5
3 12	9 40.71	+12 23.1	1.775	2.692	10.1	20.7
3 22	9 34.30	+12 40.0	1.844	2.687	13.7	21.0

250185 2002 TH_{291} 2 17.9 120°.41 5°.0/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.62	+25 21.5	2.147	2.951	12.9	21.6
1 22	10 28.39	+26 19.1	2.088	2.972	10.0	21.4
2 1	10 19.84	+27 15.9	2.054	2.991	7.1	21.3
2 11	10 9.71	+28 4.3	2.049	3.010	5.1	21.2
2 21	9 59.01	+28 38.2	2.072	3.028	5.8	21.2
3 2	9 48.83	+28 53.6	2.125	3.046	8.3	21.4
3 12	9 40.19	+28 49.7	2.205	3.062	11.1	21.6
3 22	9 33.74	+28 28.5	2.307	3.078	13.6	21.8

171267 2006 DQ_{126} 2 17.9 279°.47 1°.7/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.67	+ 5 31.2	1.619	2.410	17.0	20.8
1 22	10 24.17	+ 5 44.7	1.511	2.386	13.6	20.5
2 1	10 17.83	+ 6 17.6	1.424	2.362	9.4	20.2
2 11	10 9.18	+ 7 7.9	1.361	2.337	4.6	19.8
2 21	9 59.14	+ 8 10.3	1.325	2.312	2.0	19.6
3 2	9 49.01	+ 9 17.5	1.317	2.287	6.8	19.8
3 12	9 40.22	+10 21.1	1.335	2.262	11.9	20.0
3 22	9 33.85	+11 14.3	1.376	2.236	16.5	20.2

268981 2007 EU_{67} 2 17.9 209°.32 0°.3/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.06	+ 8 11.3	2.281	3.063	13.0	21.5
1 22	10 21.87	+ 8 45.4	2.185	3.058	10.1	21.3
2 1	10 15.70	+ 9 32.2	2.113	3.053	6.7	21.1
2 11	10 8.07	+10 28.2	2.069	3.048	2.9	20.8
2 21	9 59.71	+11 28.5	2.055	3.042	1.2	20.6
3 2	9 51.49	+12 27.4	2.070	3.036	5.1	20.9
3 12	9 44.30	+13 19.9	2.114	3.029	8.8	21.1
3 22	9 38.80	+14 2.3	2.184	3.022	12.0	21.3

298879 2004 SJ_{32} 2 17.9 118°.78 2°.1/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.81	+14 47.9	1.789	2.591	15.2	21.5
1 22	10 27.35	+15 34.4	1.723	2.609	11.6	21.3
2 1	10 19.35	+16 30.1	1.680	2.627	7.4	21.1
2 11	10 9.57	+17 28.2	1.665	2.644	3.3	20.8
2 21	9 59.08	+18 21.4	1.678	2.661	3.1	20.9
3 2	9 49.09	+19 3.6	1.721	2.676	7.0	21.1
3 12	9 40.72	+19 30.9	1.791	2.691	11.0	21.4
3 22	9 34.70	+19 42.2	1.884	2.706	14.3	21.6

402559 2006 QP_{19} 2 17.9 96°.36 4°.0/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.59	+18 38.5	1.908	2.718	14.1	21.7
1 22	10 25.51	+20 8.7	1.854	2.745	10.6	21.5
2 1	10 18.07	+21 44.7	1.826	2.772	7.0	21.3
2 11	10 9.01	+23 17.7	1.825	2.798	4.2	21.2
2 21	9 59.33	+24 39.2	1.854	2.823	4.9	21.3
3 2	9 50.15	+25 42.5	1.912	2.848	8.0	21.5
3 12	9 42.49	+26 24.5	1.997	2.872	11.3	21.8
3 22	9 37.02	+26 45.5	2.104	2.896	14.1	22.0

405257 2003 SZ_{265} 2 17.9 182°.79 1°.1/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.40	+12 26.3	2.080	2.871	13.7	22.3
1 22	10 25.36	+13 3.8	1.992	2.872	10.5	22.1
2 1	10 18.04	+13 51.8	1.928	2.873	6.8	21.8
2 11	10 9.06	+14 45.2	1.892	2.872	2.8	21.6
2 21	9 59.27	+15 38.2	1.886	2.871	2.0	21.5
3 2	9 49.72	+16 24.9	1.910	2.869	6.1	21.8
3 12	9 41.42	+17 0.8	1.961	2.867	9.9	22.0
3 22	9 35.12	+17 23.7	2.038	2.863	13.3	22.2

210787 2001 DJ_{77} 2 17.9 232°.53 0°.2/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.46	+ 8 22.9	1.778	2.575	15.5	20.6
1 22	10 22.76	+ 9 10.0	1.688	2.570	12.0	20.3
2 1	10 16.58	+10 14.3	1.620	2.564	7.9	20.1
2 11	10 8.52	+11 30.8	1.578	2.558	3.3	19.8
2 21	9 59.49	+12 52.3	1.565	2.552	1.6	19.6
3 2	9 50.64	+14 10.5	1.580	2.546	6.4	19.9
3 12	9 43.11	+15 18.1	1.623	2.539	10.8	20.2
3 22	9 37.76	+16 10.5	1.688	2.533	14.7	20.4

114259 2002 WR_{16} 2 17.9 197°.16 2°.3/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.54	+16 11.9	2.443	3.247	11.5	19.9
1 22	10 20.60	+17 11.5	2.357	3.246	8.8	19.7
2 1	10 14.81	+18 18.5	2.297	3.244	5.7	19.5
2 11	10 7.67	+19 27.4	2.265	3.243	2.8	19.3
2 21	9 59.90	+20 32.3	2.263	3.241	3.1	19.3
3 2	9 52.29	+21 28.0	2.291	3.239	6.1	19.5
3 12	9 45.68	+22 10.5	2.347	3.237	9.2	19.7
3 22	9 40.67	+22 38.2	2.427	3.235	12.0	19.9

237996 2002 SR_{73} 2 17.9 69°.77 1°.4/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 24.37	+ 4 1.1	2.072	2.847	14.3	20.3
1 22	10 20.56	+ 4 39.9	2.001	2.867	11.2	20.1
2 1	10 14.78	+ 5 35.0	1.952	2.886	7.6	19.9
2 11	10 7.64	+ 6 42.8	1.931	2.906	3.7	19.7
2 21	9 59.94	+ 7 57.6	1.938	2.925	1.6	19.6
3 2	9 52.57	+ 9 12.9	1.976	2.944	5.0	19.8
3 12	9 46.37	+10 22.4	2.041	2.964	8.6	20.1
3 22	9 41.94	+11 21.7	2.132	2.983	11.8	20.3

144339 2004 DY_{31} 2 17.9 48°.15 1°.1/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 22.79	+ 4 59.8	2.161	2.941	13.7	20.1
1 22	10 19.38	+ 5 36.5	2.077	2.946	10.7	19.9
2 1	10 14.06	+ 6 28.9	2.016	2.952	7.2	19.7
2 11	10 7.37	+ 7 33.3	1.982	2.958	3.5	19.5
2 21	10 0.05	+ 8 44.6	1.977	2.964	1.4	19.3
3 2	9 52.94	+ 9 56.7	2.002	2.970	4.9	19.6
3 12	9 46.90	+11 3.6	2.054	2.977	8.6	19.8
3 22	9 42.55	+12 0.7	2.132	2.983	11.8	20.0

477104 2009 BY_{164} 2 17.9 311°.83 0°.4/17.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.64	+15 8.8	2.043	2.833	14.0	20.8
1 22	10 29.57	+14 36.2	1.935	2.813	10.9	20.6
2 1	10 20.93	+14 6.6	1.851	2.794	7.2	20.3
2 11	10 10.32	+13 37.2	1.795	2.774	3.0	20.0
2 21	9 58.70	+13 5.5	1.769	2.756	1.6	19.8
3 2	9 47.24	+12 29.4	1.773	2.737	6.0	20.1
3 12	9 37.11	+11 47.9	1.807	2.719	10.2	20.3
3 22	9 29.20	+11 0.9	1.865	2.701	13.9	20.5

74518 1999 FU_{33} 2 17.9 280°.49 2°.6/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.54	+14 35.3	1.591	2.407	16.1	19.5
1 22	10 24.95	+15 25.9	1.490	2.384	12.5	19.2
2 1	10 18.39	+16 30.6	1.411	2.361	8.2	18.9
2 11	10 9.42	+17 42.9	1.358	2.338	3.7	18.6
2 21	9 59.05	+18 53.6	1.332	2.314	3.7	18.5
3 2	9 48.67	+19 53.7	1.333	2.290	8.5	18.7
3 12	9 39.76	+20 36.0	1.359	2.265	13.3	18.9
3 22	9 33.43	+20 57.8	1.407	2.241	17.7	19.1

309893 2009 DH_{140} 2 17.9 0°.37 4°.0/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.67	+17 3.5	1.143	1.992	19.0	20.3
1 22	10 22.54	+17 53.1	1.077	1.989	14.6	20.0
2 1	10 16.97	+18 55.0	1.031	1.987	9.5	19.7
2 11	10 8.80	+19 59.5	1.007	1.986	4.8	19.4
2 21	9 59.40	+20 55.3	1.007	1.987	5.3	19.4
3 2	9 50.51	+21 32.8	1.031	1.989	10.1	19.7
3 12	9 43.76	+21 46.7	1.077	1.993	15.1	20.0
3 22	9 40.15	+21 36.9	1.141	1.997	19.5	20.3

256196 2006 VG_{89} 2 17.9 173°.77 2°.7/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.71	+ 1 28.6	2.241	2.993	14.0	20.4
1 22	10 23.10	+ 1 38.1	2.148	2.996	11.3	20.2
2 1	10 16.48	+ 2 3.8	2.078	2.999	8.0	20.0
2 11	10 8.39	+ 2 44.0	2.034	3.001	4.6	19.8
2 21	9 59.59	+ 3 35.2	2.020	3.002	2.7	19.7
3 2	9 50.99	+ 4 32.3	2.036	3.002	5.0	19.9
3 12	9 43.45	+ 5 29.8	2.080	3.003	8.5	20.1
3 22	9 37.66	+ 6 22.7	2.150	3.002	11.7	20.3

241045 2006 RX_{40} 2 17.9 16°.84 4°.9/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.94	− 4 20.3	2.268	2.998	14.5	20.1
1 22	10 20.22	− 4 37.5	2.175	2.999	12.1	19.9
2 1	10 14.61	− 4 36.5	2.103	3.000	9.3	19.7
2 11	10 7.61	− 4 17.0	2.055	3.001	6.5	19.5
2 21	9 59.95	− 3 40.9	2.036	3.002	4.9	19.4
3 2	9 52.44	− 2 51.9	2.044	3.003	5.8	19.5
3 12	9 45.94	− 1 55.7	2.081	3.004	8.4	19.7
3 22	9 41.07	− 0 57.8	2.142	3.005	11.3	19.8

230799 2004 EV_{59} 2 17.9 7°.10 1°.6/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.12	+ 9 10.4	1.029	1.864	21.7	19.2
1 22	10 25.40	+ 8 43.1	0.963	1.863	17.1	18.9
2 1	10 18.95	+ 8 33.4	0.915	1.864	11.5	18.6
2 11	10 9.66	+ 8 38.6	0.887	1.867	5.4	18.2
2 21	9 59.03	+ 8 53.1	0.883	1.870	2.3	18.0
3 2	9 48.97	+ 9 10.0	0.902	1.875	8.2	18.4
3 12	9 41.26	+ 9 22.2	0.943	1.881	14.1	18.7
3 22	9 36.98	+ 9 25.3	1.003	1.888	19.1	19.1

325128 2008 EQ_{119} 2 17.9 243°.50 3°.9/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.46	+21 44.2	2.137	2.942	12.9	22.0
1 22	10 27.10	+22 23.5	2.041	2.927	10.0	21.7
2 1	10 19.30	+23 6.0	1.969	2.912	6.8	21.5
2 11	10 9.64	+23 45.2	1.925	2.896	4.2	21.3
2 21	9 59.03	+24 14.8	1.910	2.880	4.7	21.3
3 2	9 48.61	+24 29.9	1.924	2.863	7.8	21.5
3 12	9 39.47	+24 28.0	1.966	2.845	11.2	21.6
3 22	9 32.45	+24 9.5	2.030	2.827	14.3	21.8

337553 2001 SO_{260} 2 17.9 160°.01 0°.8/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 24.61	+ 6 41.7	3.030	3.794	10.5	22.7
1 22	10 20.18	+ 7 5.7	2.940	3.801	8.2	22.5
2 1	10 14.31	+ 7 39.4	2.874	3.807	5.5	22.3
2 11	10 7.42	+ 8 20.4	2.837	3.813	2.6	22.1
2 21	10 0.06	+ 9 5.3	2.831	3.818	1.0	22.0
3 2	9 52.87	+ 9 50.5	2.856	3.823	3.8	22.2
3 12	9 46.45	+10 32.6	2.912	3.827	6.6	22.4
3 22	9 41.28	+11 8.8	2.994	3.831	9.2	22.6

324044 2005 US_{516} 2 17.9 238°.28 0°.5/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.87	+ 7 21.3	1.920	2.710	14.8	21.7
1 22	10 22.10	+ 7 54.2	1.828	2.705	11.5	21.5
2 1	10 16.04	+ 8 42.8	1.760	2.700	7.7	21.2
2 11	10 8.28	+ 9 43.3	1.717	2.696	3.4	21.0
2 21	9 59.65	+10 49.9	1.703	2.691	1.3	20.8
3 2	9 51.20	+11 55.7	1.718	2.685	5.7	21.1
3 12	9 43.96	+12 54.4	1.760	2.680	9.9	21.3
3 22	9 38.72	+13 41.4	1.827	2.675	13.6	21.5

221854 2008 GW 2 17.9 234°.77 1°.2/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.95	+12 41.3	2.079	2.876	13.5	21.6
1 22	10 23.60	+13 19.7	1.982	2.866	10.4	21.3
2 1	10 16.98	+14 8.9	1.909	2.855	6.8	21.1
2 11	10 8.67	+15 4.1	1.864	2.844	2.8	20.8
2 21	9 59.47	+15 59.3	1.848	2.833	2.2	20.7
3 2	9 50.40	+16 48.5	1.861	2.821	6.2	21.0
3 12	9 42.50	+17 26.9	1.902	2.809	10.1	21.2
3 22	9 36.53	+17 51.8	1.967	2.796	13.5	21.4

192566 1998 WA_{35} 2 17.9 99°.96 0°.2/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.50	+ 9 24.2	2.172	2.959	13.3	21.0
1 22	10 22.17	+ 9 46.1	2.092	2.969	10.3	20.8
2 1	10 15.84	+10 19.1	2.036	2.978	6.8	20.6
2 11	10 8.11	+10 59.6	2.008	2.987	2.9	20.4
2 21	9 59.75	+11 42.8	2.008	2.996	1.2	20.3
3 2	9 51.68	+12 24.0	2.039	3.004	5.1	20.6
3 12	9 44.77	+12 58.6	2.097	3.013	8.8	20.8
3 22	9 39.64	+13 24.0	2.180	3.022	11.9	21.0

207151 2005 CB_{21} 2 17.9 9°.75 3°.9/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.52	+19 8.8	1.283	2.118	18.1	19.9
1 22	10 26.69	+19 34.3	1.216	2.119	14.0	19.7
2 1	10 19.48	+20 6.4	1.169	2.121	9.2	19.4
2 11	10 9.79	+20 36.6	1.145	2.123	4.8	19.1
2 21	9 59.00	+20 56.6	1.147	2.127	4.9	19.2
3 2	9 48.82	+21 0.0	1.175	2.131	9.4	19.4
3 12	9 40.78	+20 44.3	1.225	2.136	14.1	19.7
3 22	9 35.81	+20 10.7	1.296	2.142	18.2	20.0

8526 Takeuchiyukou 2 17.9 213°.99 0°.1/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 27.90	+ 8 10.3	1.902	2.691	14.9	18.3
1 22	10 23.72	+ 8 51.6	1.809	2.686	11.6	18.0
2 1	10 17.15	+ 9 48.9	1.738	2.680	7.7	17.8
2 11	10 8.77	+10 57.8	1.694	2.673	3.3	17.5
2 21	9 59.44	+12 11.7	1.678	2.666	1.4	17.3
3 2	9 50.27	+13 23.3	1.693	2.658	6.0	17.6
3 12	9 42.36	+14 25.9	1.734	2.650	10.3	17.9
3 22	9 36.52	+15 15.0	1.800	2.641	14.1	18.1

458958 2011 UY_{404} 2 17.9 196°.79 0°.0/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.25	+ 8 33.6	1.836	2.626	15.3	21.7
1 22	10 24.81	+ 9 11.8	1.747	2.624	11.9	21.4
2 1	10 17.88	+10 5.7	1.679	2.622	7.9	21.2
2 11	10 9.07	+11 10.7	1.639	2.618	3.3	20.9
2 21	9 59.32	+12 20.1	1.627	2.614	1.5	20.7
3 2	9 49.76	+13 26.7	1.644	2.610	6.2	21.0
3 12	9 41.56	+14 23.8	1.689	2.605	10.6	21.3
3 22	9 35.53	+15 7.4	1.758	2.599	14.4	21.5

205597 2001 TR_{230} 2 17.9 86°.20 4°.9/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.72	+25 54.1	2.387	3.197	11.6	20.4
1 22	10 23.72	+26 58.1	2.333	3.219	9.0	20.3
2 1	10 16.75	+28 1.0	2.304	3.241	6.4	20.2
2 11	10 8.45	+28 56.1	2.304	3.262	4.9	20.1
2 21	9 59.65	+29 37.9	2.333	3.283	5.6	20.2
3 2	9 51.27	+30 2.7	2.390	3.304	7.8	20.3
3 12	9 44.15	+30 9.3	2.473	3.325	10.2	20.5
3 22	9 38.87	+29 58.8	2.580	3.345	12.5	20.7

28089 1998 RD_{17} 2 17.9 120°.53 1°.3/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.34	+ 3 57.0	2.235	3.005	13.5	18.6
1 22	10 20.50	+ 4 40.3	2.151	3.014	10.6	18.4
2 1	10 14.76	+ 5 39.9	2.090	3.023	7.2	18.2
2 11	10 7.68	+ 6 52.1	2.056	3.031	3.5	18.0
2 21	9 59.98	+ 8 11.7	2.052	3.039	1.4	17.9
3 2	9 52.49	+ 9 32.2	2.079	3.047	4.8	18.1
3 12	9 46.06	+10 47.5	2.134	3.055	8.4	18.4
3 22	9 41.29	+11 52.8	2.214	3.062	11.5	18.6

340589 2006 PB_{29} 2 17.9 162°.44 3°.1/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 29.77	+22 54.0	2.941	3.736	10.0	20.8
1 22	10 24.19	+23 23.5	2.860	3.742	7.7	20.6
2 1	10 16.93	+23 53.3	2.806	3.746	5.2	20.4
2 11	10 8.52	+24 19.1	2.782	3.751	3.3	20.3
2 21	9 59.62	+24 37.0	2.788	3.755	3.7	20.3
3 2	9 51.00	+24 44.3	2.825	3.758	5.9	20.5
3 12	9 43.35	+24 39.7	2.891	3.761	8.3	20.7
3 22	9 37.22	+24 23.3	2.981	3.764	10.6	20.8

375847 2009 UQ_{152} 2 17.9 53°.74 5°.1/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.79	+23 37.0	1.749	2.570	14.7	20.7
1 22	10 26.00	+24 25.6	1.687	2.582	11.3	20.5
2 1	10 18.56	+25 15.2	1.649	2.594	7.8	20.3
2 11	10 9.29	+25 57.9	1.638	2.606	5.3	20.2
2 21	9 59.30	+26 26.4	1.653	2.618	5.9	20.2
3 2	9 49.88	+26 36.0	1.696	2.631	8.9	20.5
3 12	9 42.16	+26 25.7	1.764	2.644	12.3	20.7
3 22	9 36.87	+25 57.1	1.854	2.657	15.3	20.9

392749 2012 TF_{3} 2 17.9 104°.79 0°.4/17.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.41	+10 9.8	1.451	2.254	18.1	22.4
1 22	10 28.31	+10 39.1	1.387	2.272	13.9	22.2
2 1	10 20.23	+11 23.8	1.344	2.289	9.1	21.9
2 11	10 10.03	+12 17.9	1.326	2.306	3.7	21.7
2 21	9 58.97	+13 13.6	1.336	2.323	1.9	21.6
3 2	9 48.51	+14 3.0	1.373	2.339	7.1	22.0
3 12	9 39.98	+14 40.2	1.436	2.354	11.9	22.3
3 22	9 34.22	+15 2.5	1.522	2.369	15.9	22.5

165699 2001 PD_{44} 2 17.9 137°.75 0°.5/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.08	+ 7 58.2	2.498	3.276	12.1	20.8
1 22	10 20.86	+ 8 22.5	2.412	3.282	9.4	20.6
2 1	10 14.91	+ 8 57.7	2.351	3.289	6.2	20.4
2 11	10 7.72	+ 9 40.8	2.317	3.295	2.7	20.2
2 21	9 59.98	+10 27.5	2.313	3.300	1.1	20.1
3 2	9 52.45	+11 13.5	2.339	3.306	4.5	20.3
3 12	9 45.88	+11 54.7	2.395	3.311	7.8	20.6
3 22	9 40.83	+12 27.9	2.476	3.316	10.7	20.7

137263 1999 RQ_{120} 2 17.9 177°.44 1°.5/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.77	+ 6 9.4	1.739	2.518	16.5	20.6
1 22	10 27.60	+ 6 18.3	1.652	2.521	13.0	20.4
2 1	10 19.74	+ 6 43.4	1.587	2.522	8.9	20.1
2 11	10 9.87	+ 7 21.9	1.548	2.523	4.3	19.8
2 21	9 59.01	+ 8 8.5	1.537	2.524	1.8	19.7
3 2	9 48.43	+ 8 56.9	1.555	2.523	6.2	19.9
3 12	9 39.36	+ 9 40.9	1.601	2.522	10.7	20.2
3 22	9 32.67	+10 16.0	1.670	2.520	14.6	20.4

309373 2007 TW_{113} 2 17.9 179°.95 1°.6/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.83	+13 6.5	2.051	2.846	13.8	21.4
1 22	10 24.99	+14 1.0	1.965	2.848	10.5	21.2
2 1	10 17.86	+15 6.4	1.903	2.849	6.8	21.0
2 11	10 9.04	+16 17.1	1.870	2.850	2.9	20.7
2 21	9 59.39	+17 26.1	1.866	2.849	2.6	20.7
3 2	9 49.97	+18 26.7	1.892	2.848	6.4	20.9
3 12	9 41.82	+19 13.9	1.946	2.846	10.3	21.2
3 22	9 35.67	+19 45.4	2.024	2.844	13.6	21.4

430920 2005 TZ_{40} 2 17.9 211°.89 3°.7/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.28	− 3 7.4	3.099	3.813	11.3	21.3
1 22	10 20.75	− 3 25.6	2.991	3.806	9.4	21.1
2 1	10 14.74	− 3 31.1	2.906	3.799	7.2	20.9
2 11	10 7.65	− 3 24.1	2.847	3.792	5.0	20.8
2 21	10 0.01	− 3 5.5	2.819	3.784	3.7	20.7
3 2	9 52.45	− 2 37.8	2.820	3.776	4.6	20.7
3 12	9 45.59	− 2 4.2	2.852	3.768	6.7	20.9
3 22	9 39.95	− 1 28.5	2.910	3.759	9.1	21.0

97975 2000 QG_{168} 2 17.9 129°.69 2°.1/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.70	+ 3 54.7	1.865	2.635	15.9	20.3
1 22	10 25.68	+ 4 5.6	1.788	2.649	12.6	20.1
2 1	10 18.28	+ 4 33.4	1.733	2.663	8.7	19.9
2 11	10 9.18	+ 5 15.5	1.703	2.676	4.5	19.7
2 21	9 59.35	+ 6 7.0	1.703	2.688	2.2	19.6
3 2	9 49.88	+ 7 1.9	1.732	2.700	5.6	19.8
3 12	9 41.82	+ 7 53.9	1.788	2.711	9.6	20.1
3 22	9 35.90	+ 8 38.3	1.869	2.721	13.2	20.3

323780 2005 QK_{60} 2 17.9 140°.70 0°.7/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.12	+13 28.1	2.155	2.942	13.5	20.8
1 22	10 27.23	+13 33.6	2.075	2.952	10.3	20.6
2 1	10 19.14	+13 46.1	2.018	2.961	6.7	20.4
2 11	10 9.51	+14 1.9	1.990	2.970	2.8	20.1
2 21	9 59.22	+14 16.7	1.992	2.978	1.6	20.1
3 2	9 49.30	+14 26.9	2.024	2.986	5.6	20.4
3 12	9 40.70	+14 29.7	2.085	2.993	9.3	20.6
3 22	9 34.11	+14 23.8	2.171	3.000	12.4	20.8

431442 2007 RX_{49} 2 17.9 87°.94 2°.9/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.46	− 0 2.0	2.254	3.008	13.9	21.4
1 22	10 19.83	+ 0 13.8	2.165	3.013	11.2	21.2
2 1	10 14.35	+ 0 47.1	2.099	3.018	8.1	21.0
2 11	10 7.53	+ 1 36.1	2.059	3.022	4.9	20.8
2 21	10 0.08	+ 2 37.0	2.047	3.027	2.9	20.7
3 2	9 52.83	+ 3 44.8	2.064	3.032	4.9	20.8
3 12	9 46.59	+ 4 53.2	2.111	3.037	8.1	21.0
3 22	9 41.97	+ 5 56.9	2.182	3.042	11.2	21.2

230804 2004 FA_{68} 2 17.9 261°.26 4°.9/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.41	+19 23.5	1.418	2.247	17.0	20.2
1 22	10 26.57	+20 32.7	1.341	2.241	13.1	20.0
2 1	10 19.48	+21 51.7	1.285	2.236	8.8	19.7
2 11	10 9.88	+23 10.1	1.255	2.230	5.3	19.5
2 21	9 59.01	+24 17.0	1.251	2.224	6.1	19.5
3 2	9 48.49	+25 3.0	1.273	2.218	10.2	19.7
3 12	9 39.87	+25 23.7	1.319	2.212	14.7	19.9
3 22	9 34.19	+25 19.3	1.384	2.205	18.6	20.2

493045 2014 SA_{263} 2 17.9 178°.91 2°.8/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 34.09	+19 22.4	2.477	3.267	11.8	22.8
1 22	10 27.84	+19 59.2	2.391	3.270	9.1	22.6
2 1	10 19.50	+20 39.5	2.330	3.272	6.0	22.4
2 11	10 9.67	+21 18.0	2.298	3.273	3.2	22.2
2 21	9 59.16	+21 49.6	2.298	3.273	3.4	22.2
3 2	9 48.92	+22 10.2	2.329	3.272	6.3	22.4
3 12	9 39.86	+22 17.7	2.388	3.270	9.4	22.6
3 22	9 32.66	+22 11.9	2.473	3.267	12.2	22.8

100589 1997 MV_{8} 2 17.9 230°.34 3°.9/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.55	+ 0 44.7	2.121	2.868	14.9	20.5
1 22	10 25.55	+ 0 16.1	2.016	2.858	12.2	20.2
2 1	10 18.27	+ 0 2.3	1.933	2.847	9.0	20.0
2 11	10 9.26	+ 0 3.4	1.877	2.836	5.7	19.8
2 21	9 59.31	+ 0 17.8	1.849	2.825	3.9	19.7
3 2	9 49.44	+ 0 42.4	1.850	2.813	5.9	19.7
3 12	9 40.69	+ 1 12.4	1.880	2.801	9.3	19.9
3 22	9 33.84	+ 1 43.0	1.935	2.788	12.7	20.1

218047 2002 CS_{120} 2 17.9 89°.95 1°.9/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.60	+12 9.8	1.947	2.749	14.1	20.3
1 22	10 22.47	+13 34.3	1.882	2.769	10.7	20.2
2 1	10 16.15	+15 11.2	1.841	2.789	6.8	20.0
2 11	10 8.30	+16 52.9	1.828	2.808	2.9	19.8
2 21	9 59.79	+18 31.0	1.846	2.828	2.9	19.8
3 2	9 51.65	+19 57.5	1.893	2.847	6.6	20.1
3 12	9 44.83	+21 7.0	1.967	2.865	10.3	20.3
3 22	9 39.98	+21 57.1	2.066	2.884	13.4	20.6

212783 2007 TO_{203} 2 17.9 4°.15 11°.4/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 33.25	+44 6.9	1.987	2.784	14.1	19.5
1 22	10 28.39	+45 41.9	1.940	2.784	12.5	19.4
2 1	10 20.39	+47 2.3	1.915	2.784	11.6	19.3
2 11	10 10.15	+47 57.7	1.914	2.785	11.5	19.3
2 21	9 58.99	+48 20.7	1.936	2.786	12.5	19.4
3 2	9 48.48	+48 8.9	1.980	2.788	14.1	19.5
3 12	9 40.02	+47 24.5	2.045	2.790	15.8	19.6
3 22	9 34.44	+46 13.3	2.126	2.792	17.5	19.8

31844 Mattwill 2 17.9 227°.28 3°.2/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 32.07	+17 11.4	1.780	2.589	15.0	19.5
1 22	10 27.25	+18 3.4	1.689	2.579	11.5	19.2
2 1	10 19.66	+19 4.6	1.621	2.568	7.6	18.9
2 11	10 9.92	+20 7.8	1.579	2.557	3.9	18.7
2 21	9 59.05	+21 5.0	1.566	2.544	4.2	18.7
3 2	9 48.36	+21 48.7	1.582	2.531	8.1	18.9
3 12	9 39.15	+22 14.4	1.624	2.518	12.3	19.1
3 22	9 32.38	+22 21.0	1.688	2.504	16.0	19.3

232941 2005 CD_{11} 2 17.9 175°.13 1°.6/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 24.47	+12 55.4	2.291	3.091	12.4	20.9
1 22	10 20.68	+13 59.0	2.206	3.091	9.4	20.7
2 1	10 14.95	+15 13.0	2.145	3.092	6.0	20.5
2 11	10 7.83	+16 32.2	2.113	3.093	2.6	20.3
2 21	10 0.02	+17 50.0	2.110	3.093	2.5	20.2
3 2	9 52.39	+19 0.1	2.138	3.093	5.9	20.5
3 12	9 45.80	+19 57.7	2.194	3.093	9.3	20.7
3 22	9 40.88	+20 40.2	2.274	3.093	12.3	20.9

253255 2003 AW_{55} 2 17.9 60°.10 2°.9/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.73	+16 33.6	1.644	2.463	15.6	20.0
1 22	10 24.56	+17 20.4	1.577	2.473	11.9	19.8
2 1	10 17.73	+18 15.9	1.533	2.483	7.7	19.6
2 11	10 9.02	+19 12.6	1.515	2.494	3.7	19.3
2 21	9 59.51	+20 2.7	1.524	2.504	3.8	19.4
3 2	9 50.47	+20 39.8	1.561	2.515	7.8	19.6
3 12	9 43.07	+21 0.0	1.623	2.526	11.8	19.9
3 22	9 38.07	+21 2.7	1.708	2.537	15.3	20.1

5292 Mackwell 2 17.9 136°.23 6°.0/11.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 29.98	+25 28.3	2.036	2.851	13.1	16.6
1 22	10 25.24	+27 5.3	1.973	2.862	10.2	16.4
2 1	10 18.07	+28 43.6	1.935	2.872	7.4	16.3
2 11	10 9.15	+30 13.6	1.925	2.881	6.0	16.2
2 21	9 59.45	+31 27.1	1.945	2.890	7.0	16.3
3 2	9 50.11	+32 18.0	1.991	2.899	9.5	16.4
3 12	9 42.20	+32 44.3	2.064	2.907	12.3	16.6
3 22	9 36.47	+32 47.5	2.157	2.914	14.8	16.8

108752 2001 OF_{43} 2 17.9 149°.51 3°.0/20.9 18

1 12	10 25.73	+ 0 32.5	2.575	3.318	12.6	20.0
1 22	10 21.34	+ 0 23.6	2.483	3.323	10.2	19.8
2 1	10 15.23	+ 0 28.3	2.413	3.327	7.5	19.7
2 11	10 7.90	+ 0 45.7	2.371	3.331	4.6	19.5
2 21	10 0.00	+ 1 13.5	2.357	3.335	3.0	19.4
3 2	9 52.28	+ 1 48.4	2.374	3.338	4.7	19.5
3 12	9 45.47	+ 2 26.3	2.420	3.342	7.5	19.7
3 22	9 40.14	+ 3 3.1	2.492	3.345	10.2	19.9

360292 2001 LP_{1} 2 17.9 172°.09 2°.9/15.0 18

1 12	10 30.60	+19 16.7	2.508	3.305	11.5	21.1
1 22	10 25.17	+20 6.5	2.426	3.309	8.8	20.9
2 1	10 17.78	+21 0.5	2.370	3.313	5.8	20.7
2 11	10 8.98	+21 53.1	2.342	3.316	3.3	20.6
2 21	9 59.54	+22 38.9	2.345	3.318	3.6	20.6
3 2	9 50.35	+23 13.4	2.379	3.320	6.4	20.8
3 12	9 42.26	+23 34.0	2.441	3.320	9.3	21.0
3 22	9 35.90	+23 40.2	2.528	3.320	12.0	21.1

115619 2003 UD_{115} 2 17.9 273°.22 0°.1/17.9 17

1 12	10 25.83	+ 9 58.5	2.125	2.917	13.4	20.5
1 22	10 21.90	+10 21.3	2.029	2.908	10.4	20.3
2 1	10 15.86	+10 55.8	1.956	2.899	6.9	20.1
2 11	10 8.25	+11 38.3	1.910	2.890	2.9	19.8
2 21	9 59.84	+12 24.0	1.894	2.881	1.3	19.7
3 2	9 51.58	+13 7.5	1.906	2.872	5.5	19.9
3 12	9 44.41	+13 44.1	1.946	2.863	9.3	20.1
3 22	9 39.06	+14 10.6	2.011	2.854	12.7	20.3

228109 2008 TA_{5} 2 17.9 23°.83 0°.5/18.4 18

1 12	10 25.95	+ 8 37.6	1.906	2.700	14.7	20.1
1 22	10 22.11	+ 8 53.5	1.823	2.703	11.4	19.9
2 1	10 16.03	+ 9 22.6	1.763	2.705	7.6	19.6
2 11	10 8.31	+10 1.3	1.729	2.708	3.3	19.4
2 21	9 59.84	+10 44.5	1.723	2.710	1.3	19.2
3 2	9 51.63	+11 26.8	1.746	2.714	5.6	19.5
3 12	9 44.70	+12 3.0	1.795	2.717	9.6	19.8
3 22	9 39.76	+12 29.5	1.869	2.720	13.2	20.0

6554 Takatsuguyoshida 2 17.9 161°.83 1°.7/19.3 18

1 12	10 31.26	+ 4 20.5	1.860	2.631	15.9	18.7
1 22	10 26.24	+ 4 44.0	1.776	2.638	12.6	18.5
2 1	10 18.76	+ 5 25.3	1.713	2.645	8.6	18.3
2 11	10 9.47	+ 6 21.1	1.677	2.651	4.3	18.0
2 21	9 59.33	+ 7 26.0	1.669	2.656	1.9	17.9
3 2	9 49.47	+ 8 33.2	1.692	2.660	5.7	18.1
3 12	9 41.00	+ 9 35.6	1.742	2.663	9.9	18.4
3 22	9 34.70	+10 28.4	1.817	2.665	13.7	18.6

128924 2004 TR_{68} 2 17.9 114°.60 0°.5/17.5 18

1 12	10 25.70	+ 9 58.2	2.014	2.809	14.0	19.9
1 22	10 21.82	+10 41.3	1.932	2.814	10.8	19.7
2 1	10 15.79	+11 37.4	1.874	2.818	7.0	19.4
2 11	10 8.20	+12 41.6	1.842	2.822	2.9	19.2
2 21	9 59.89	+13 47.8	1.840	2.827	1.6	19.1
3 2	9 51.84	+14 49.5	1.867	2.831	5.7	19.4
3 12	9 44.99	+15 41.4	1.921	2.835	9.6	19.6
3 22	9 40.03	+16 20.0	2.000	2.839	13.0	19.8

469156 2015 GD_{40} 2 17.9 250°.78 3°.4/21.9 17

1 12	10 22.56	− 3 4.2	2.789	3.515	12.2	22.0
1 22	10 18.93	− 2 48.0	2.675	3.501	10.0	21.8
2 1	10 13.71	− 2 15.4	2.583	3.486	7.5	21.6
2 11	10 7.31	− 1 27.1	2.518	3.472	5.0	21.4
2 21	10 0.28	− 0 25.7	2.483	3.456	3.4	21.3
3 2	9 53.29	+ 0 44.9	2.477	3.441	4.6	21.4
3 12	9 47.04	+ 1 59.4	2.502	3.425	7.2	21.5
3 22	9 42.09	+ 3 12.7	2.553	3.409	9.9	21.6

491747 2012 VA_{60} 2 17.9 190°.46 3°.3/21.5 17

1 12	10 23.71	− 1 20.3	2.622	3.359	12.6	21.9
1 22	10 19.82	− 1 19.2	2.524	3.358	10.3	21.7
2 1	10 14.27	− 1 3.0	2.449	3.358	7.6	21.5
2 11	10 7.53	− 0 32.6	2.400	3.357	4.9	21.3
2 21	10 0.20	+ 0 9.8	2.380	3.356	3.3	21.2
3 2	9 53.01	+ 1 0.2	2.390	3.354	4.7	21.3
3 12	9 46.66	+ 1 54.0	2.429	3.353	7.4	21.5
3 22	9 41.72	+ 2 46.7	2.495	3.351	10.1	21.7

127048 2002 GX_{43} 2 17.9 253°.81 0°.8/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.33	+ 7 43.2	2.007	2.794	14.3	20.5
1 22	10 22.34	+ 7 59.9	1.918	2.792	11.2	20.2
2 1	10 16.17	+ 8 30.0	1.851	2.791	7.5	20.0
2 11	10 8.38	+ 9 10.4	1.811	2.789	3.4	19.7
2 21	9 59.82	+ 9 56.3	1.800	2.787	1.3	19.6
3 2	9 51.47	+10 42.2	1.818	2.786	5.4	19.9
3 12	9 44.31	+11 23.0	1.863	2.784	9.4	20.1
3 22	9 39.05	+11 54.8	1.932	2.782	12.9	20.3

210094 2006 QM_{82} 2 17.9 143°.53 0°.6/18.6 17

1 12	10 23.50	+ 6 24.4	2.606	3.379	11.8	20.8
1 22	10 19.64	+ 7 5.4	2.518	3.385	9.2	20.7
2 1	10 14.13	+ 7 58.8	2.454	3.390	6.1	20.5
2 11	10 7.46	+ 9 1.3	2.418	3.395	2.8	20.3
2 21	10 0.24	+10 8.3	2.413	3.401	1.0	20.1
3 2	9 53.20	+11 14.7	2.439	3.405	4.3	20.4
3 12	9 47.04	+12 15.9	2.494	3.410	7.5	20.6
3 22	9 42.30	+13 8.2	2.574	3.414	10.4	20.8

467449 2006 BD_{130} 2 17.9 283°.90 0°.4/18.3 17

1 12	10 25.18	+ 8 18.1	2.014	2.805	14.1	21.6
1 22	10 21.56	+ 8 43.8	1.915	2.792	11.0	21.3
2 1	10 15.74	+ 9 23.4	1.839	2.780	7.4	21.1
2 11	10 8.24	+10 13.7	1.789	2.768	3.2	20.8
2 21	9 59.87	+11 9.3	1.768	2.755	1.3	20.6
3 2	9 51.60	+12 4.4	1.776	2.743	5.6	20.9
3 12	9 44.46	+12 53.1	1.811	2.731	9.7	21.1
3 22	9 39.20	+13 31.4	1.870	2.718	13.3	21.3

30922 1993 OE_{13} 2 17.9 229°.65 1°.6/16.7 18

1 12	10 28.66	+12 8.0	1.677	2.484	15.8	18.5
1 22	10 24.70	+13 1.3	1.588	2.477	12.2	18.2
2 1	10 18.03	+14 9.5	1.522	2.470	7.9	17.9
2 11	10 9.26	+15 26.3	1.482	2.463	3.3	17.6
2 21	9 59.41	+16 43.3	1.470	2.455	2.7	17.6
3 2	9 49.75	+17 51.9	1.487	2.447	7.4	17.8
3 12	9 41.55	+18 45.3	1.529	2.438	11.9	18.1
3 22	9 35.74	+19 20.3	1.594	2.429	15.9	18.3

50545 2000 ER_{17} 2 17.9 200°.23 5°.5/14.0 18

1 12	10 35.78	+26 3.6	1.951	2.759	13.9	17.4
1 22	10 29.80	+26 44.0	1.872	2.757	10.9	17.2
2 1	10 21.11	+27 23.4	1.817	2.754	7.8	17.0
2 11	10 10.45	+27 54.0	1.789	2.751	5.6	16.9
2 21	9 58.94	+28 9.0	1.789	2.748	6.2	16.9
3 2	9 47.85	+28 4.3	1.818	2.745	9.0	17.1
3 12	9 38.40	+27 39.2	1.874	2.741	12.3	17.3
3 22	9 31.42	+26 56.1	1.951	2.737	15.2	17.5

142516 2002 TD_{40} 2 17.9 115°.95 3°.6/21.0 18

1 12	10 28.92	− 0 7.1	2.013	2.763	15.5	20.1
1 22	10 24.16	− 0 10.2	1.934	2.778	12.5	19.9
2 1	10 17.24	+ 0 4.8	1.877	2.793	9.1	19.7
2 11	10 8.79	+ 0 36.7	1.846	2.808	5.6	19.5
2 21	9 59.67	+ 1 21.9	1.843	2.822	3.6	19.4
3 2	9 50.87	+ 2 15.3	1.870	2.836	5.5	19.6
3 12	9 43.35	+ 3 10.8	1.924	2.849	8.9	19.8
3 22	9 37.76	+ 4 2.8	2.004	2.862	12.2	20.0

268059 2004 RO_{32} 2 17.9 129°.26 1°.7/16.3 18

1 12	10 27.31	+13 49.9	2.160	2.959	13.0	21.2
1 22	10 22.88	+14 41.7	2.084	2.969	9.9	21.0
2 1	10 16.39	+15 42.6	2.032	2.979	6.4	20.8
2 11	10 8.43	+16 47.1	2.008	2.988	2.7	20.6
2 21	9 59.83	+17 49.0	2.014	2.997	2.5	20.6
3 2	9 51.51	+18 42.5	2.050	3.005	6.1	20.8
3 12	9 44.38	+19 23.4	2.113	3.014	9.5	21.0
3 22	9 39.09	+19 49.8	2.201	3.022	12.6	21.3

373239 2012 FR_{77} 2 17.9 277°.12 1°.4/17.0 17

1 12	10 30.11	+14 12.2	1.858	2.662	14.7	21.4
1 22	10 25.65	+14 29.1	1.757	2.644	11.4	21.1
2 1	10 18.58	+14 55.2	1.679	2.626	7.4	20.9
2 11	10 9.50	+15 25.8	1.627	2.607	3.1	20.6
2 21	9 59.32	+15 55.3	1.603	2.589	2.4	20.5
3 2	9 49.24	+16 18.1	1.609	2.570	6.8	20.7
3 12	9 40.48	+16 30.0	1.640	2.551	11.1	20.9
3 22	9 33.96	+16 29.2	1.695	2.532	15.0	21.1

249532 2010 GN_{120} 2 17.9 285°.80 0°.8/18.8 17

1 12	10 23.50	+ 6 38.3	2.258	3.040	13.1	21.3
1 22	10 20.02	+ 7 6.3	2.157	3.028	10.3	21.1
2 1	10 14.60	+ 7 48.3	2.079	3.016	6.9	20.9
2 11	10 7.73	+ 8 41.2	2.028	3.005	3.2	20.6
2 21	10 0.11	+ 9 40.5	2.006	2.993	1.2	20.5
3 2	9 52.59	+10 40.8	2.013	2.982	5.0	20.7
3 12	9 46.03	+11 36.5	2.049	2.970	8.7	20.9
3 22	9 41.12	+12 23.4	2.110	2.958	12.0	21.1

26541 Garyross 2 17.9 115°.99 0°.9/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 26.64	+12 38.3	2.237	3.032	12.7	18.5
1 22	10 22.30	+13 7.4	2.155	3.038	9.8	18.3
2 1	10 15.99	+13 45.3	2.098	3.043	6.3	18.1
2 11	10 8.26	+14 27.8	2.069	3.049	2.6	17.9
2 21	9 59.91	+15 9.9	2.069	3.054	1.8	17.8
3 2	9 51.82	+15 46.9	2.098	3.060	5.5	18.1
3 12	9 44.86	+16 14.8	2.156	3.065	9.0	18.3
3 22	9 39.64	+16 31.8	2.238	3.070	12.0	18.5

33299 1998 KN_{45} 2 17.9 253°.94 0°.8/17.1 18

1 12	10 24.53	+12 36.3	2.569	3.361	11.4	19.2
1 22	10 20.54	+13 6.9	2.472	3.353	8.7	19.0
2 1	10 14.80	+13 45.8	2.400	3.345	5.7	18.8
2 11	10 7.77	+14 29.2	2.356	3.337	2.3	18.5
2 21	10 0.12	+15 12.8	2.343	3.328	1.6	18.5
3 2	9 52.60	+15 52.2	2.359	3.320	5.0	18.7
3 12	9 45.97	+16 23.8	2.404	3.312	8.2	18.9
3 22	9 40.84	+16 45.4	2.474	3.303	11.1	19.1

170944 2005 AN_{60} 2 17.9 126°.76 1°.2/17.0 18

1 12	10 31.36	+12 23.4	1.862	2.658	14.9	20.7
1 22	10 26.23	+13 2.8	1.790	2.673	11.4	20.5
2 1	10 18.68	+13 53.1	1.742	2.687	7.4	20.3
2 11	10 9.42	+14 48.7	1.720	2.700	3.0	20.0
2 21	9 59.42	+15 43.0	1.728	2.713	2.2	20.0
3 2	9 49.84	+16 29.6	1.765	2.726	6.4	20.3
3 12	9 41.74	+17 4.2	1.830	2.737	10.4	20.6
3 22	9 35.84	+17 24.7	1.918	2.748	13.8	20.8

280659 2005 EZ_{20} 2 17.9 289°.90 0°.4/18.3 18

1 12	10 23.09	+ 6 34.8	2.136	2.921	13.6	20.5
1 22	10 19.78	+ 7 25.6	2.043	2.917	10.6	20.2
2 1	10 14.47	+ 8 32.4	1.973	2.913	7.0	20.0
2 11	10 7.68	+ 9 51.1	1.931	2.909	3.1	19.8
2 21	10 0.15	+11 15.7	1.918	2.905	1.2	19.6
3 2	9 52.77	+12 39.2	1.934	2.901	5.3	19.9
3 12	9 46.43	+13 55.0	1.979	2.897	9.1	20.1
3 22	9 41.81	+14 58.4	2.049	2.894	12.5	20.3

437448 2013 YB_{10} 2 17.9 305°.66 3°.5/21.1 17

1 12	10 25.18	+ 0 12.9	2.316	3.066	13.7	21.1
1 22	10 21.18	− 0 3.0	2.219	3.062	11.2	21.0
2 1	10 15.28	− 0 4.0	2.145	3.059	8.2	20.8
2 11	10 8.00	+ 0 9.3	2.097	3.056	5.2	20.6
2 21	10 0.03	+ 0 34.9	2.077	3.053	3.5	20.4
3 2	9 52.20	+ 1 9.4	2.086	3.050	5.2	20.5
3 12	9 45.35	+ 1 47.9	2.123	3.048	8.2	20.7
3 22	9 40.12	+ 2 26.0	2.186	3.045	11.2	20.9

138168 2000 EK_{100} 2 17.9 346°.63 1°.8/19.3 18

1 12	10 25.18	+ 4 51.8	1.573	2.369	17.2	20.9
1 22	10 22.05	+ 5 6.9	1.489	2.366	13.7	20.6
2 1	10 16.29	+ 5 41.8	1.425	2.363	9.4	20.4
2 11	10 8.53	+ 6 33.6	1.385	2.361	4.7	20.1
2 21	9 59.78	+ 7 36.4	1.372	2.359	2.0	19.9
3 2	9 51.28	+ 8 42.7	1.387	2.358	6.3	20.2
3 12	9 44.24	+ 9 44.4	1.427	2.357	11.0	20.4
3 22	9 39.55	+10 35.5	1.490	2.356	15.1	20.7

46728 1997 SJ_{29} 2 17.9 43°.90 3°.4/20.6 18

1 12	10 27.22	+ 1 55.3	2.028	2.790	15.0	18.6
1 22	10 22.93	+ 1 32.5	1.943	2.795	12.1	18.4
2 1	10 16.49	+ 1 25.0	1.879	2.800	8.7	18.2
2 11	10 8.52	+ 1 31.9	1.842	2.806	5.3	18.0
2 21	9 59.82	+ 1 51.0	1.832	2.812	3.4	17.9
3 2	9 51.37	+ 2 18.3	1.851	2.817	5.5	18.0
3 12	9 44.13	+ 2 49.1	1.898	2.823	8.9	18.2
3 22	9 38.78	+ 3 18.5	1.969	2.830	12.2	18.5

149495 2003 EE_{58} 2 17.9 311°.83 7°.9/10.6 18

1 12	10 26.64	+27 22.4	1.647	2.480	14.8	19.4
1 22	10 23.52	+29 10.5	1.571	2.468	11.8	19.2
2 1	10 17.45	+31 1.3	1.519	2.455	9.1	19.0
2 11	10 9.09	+32 42.8	1.492	2.443	7.9	18.9
2 21	9 59.53	+34 3.7	1.492	2.432	9.3	18.9
3 2	9 50.20	+34 55.6	1.517	2.420	12.2	19.1
3 12	9 42.51	+35 15.5	1.565	2.409	15.5	19.2
3 22	9 37.47	+35 5.4	1.631	2.399	18.5	19.4

250226 2002 VT_{139} 2 17.9 133°.40 1°.6/16.6 18

1 12	10 33.58	+15 43.3	2.285	3.073	12.7	20.3
1 22	10 27.45	+16 6.2	2.211	3.090	9.7	20.1
2 1	10 19.23	+16 34.8	2.162	3.105	6.3	19.9
2 11	10 9.59	+17 4.3	2.142	3.121	2.7	19.7
2 21	9 59.38	+17 30.0	2.152	3.135	2.4	19.7
3 2	9 49.57	+17 48.1	2.193	3.148	5.7	20.0
3 12	9 41.05	+17 56.1	2.263	3.161	9.1	20.2
3 22	9 34.46	+17 53.3	2.358	3.173	12.0	20.4

427540 2002 QO_{139} 2 17.9 205°.73 1°.5/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 28.30	+ 6 37.9	2.376	3.145	12.9	21.5
1 22	10 23.50	+ 6 31.7	2.280	3.142	10.2	21.3
2 1	10 16.76	+ 6 36.1	2.207	3.139	7.0	21.1
2 11	10 8.62	+ 6 49.5	2.162	3.136	3.5	20.9
2 21	9 59.78	+ 7 8.9	2.147	3.133	1.6	20.7
3 2	9 51.12	+ 7 30.8	2.162	3.129	4.7	21.0
3 12	9 43.49	+ 7 51.5	2.205	3.125	8.2	21.2
3 22	9 37.52	+ 8 7.9	2.275	3.121	11.3	21.4

386524 2009 BQ_{161} 2 17.9 199°.77 1°.9/20.3 18

1 12	10 23.01	+ 1 45.6	2.857	3.606	11.4	21.5
1 22	10 19.17	+ 2 12.1	2.755	3.603	9.1	21.3
2 1	10 13.81	+ 2 52.1	2.678	3.599	6.4	21.1
2 11	10 7.35	+ 3 43.8	2.628	3.596	3.6	20.9
2 21	10 0.35	+ 4 43.9	2.609	3.592	1.9	20.8
3 2	9 53.45	+ 5 48.2	2.620	3.588	4.0	20.9
3 12	9 47.32	+ 6 51.9	2.661	3.583	6.9	21.1
3 22	9 42.46	+ 7 51.1	2.730	3.578	9.6	21.3

417617 2006 WA_{88} 2 17.9 133°.11 0°.0/17.9 18

1 12	10 28.23	+ 8 49.0	2.017	2.804	14.2	22.3
1 22	10 23.70	+ 9 26.1	1.939	2.815	11.0	22.1
2 1	10 17.00	+10 16.5	1.883	2.825	7.2	21.9
2 11	10 8.73	+11 15.7	1.855	2.834	3.0	21.6
2 21	9 59.76	+12 17.8	1.856	2.844	1.3	21.5
3 2	9 51.10	+13 16.7	1.887	2.852	5.6	21.8
3 12	9 43.69	+14 6.9	1.946	2.861	9.4	22.1
3 22	9 38.24	+14 45.2	2.029	2.868	12.8	22.3

459900 2014 MA_{4} 2 17.9 174°.98 2°.0/16.3 18

1 12	10 30.66	+13 40.7	1.910	2.709	14.5	22.3
1 22	10 25.83	+14 39.0	1.827	2.712	11.1	22.1
2 1	10 18.54	+15 48.7	1.768	2.715	7.2	21.8
2 11	10 9.43	+17 3.3	1.737	2.716	3.1	21.6
2 21	9 59.45	+18 15.2	1.735	2.717	3.0	21.6
3 2	9 49.73	+19 17.1	1.762	2.717	6.9	21.8
3 12	9 41.38	+20 3.8	1.817	2.717	10.9	22.1
3 22	9 35.20	+20 33.3	1.896	2.716	14.3	22.3

467104 2016 EN_{57} 2 17.9 27°.69 2°.2/19.9 18

1 12	10 20.94	+ 0 48.9	1.365	2.163	19.2	20.0
1 22	10 18.95	+ 1 46.0	1.300	2.177	15.3	19.8
2 1	10 14.28	+ 3 12.1	1.254	2.191	10.6	19.6
2 11	10 7.68	+ 5 1.9	1.232	2.207	5.5	19.3
2 21	10 0.24	+ 7 5.5	1.236	2.223	2.3	19.2
3 2	9 53.23	+ 9 10.3	1.268	2.240	6.4	19.5
3 12	9 47.85	+11 4.3	1.324	2.259	11.2	19.8
3 22	9 44.87	+12 39.3	1.404	2.278	15.4	20.1

492653 2014 OS_{378} 2 17.9 212°.16 2°.0/16.4 17

1 12	10 31.43	+14 49.5	1.916	2.716	14.4	22.7
1 22	10 26.51	+15 29.7	1.825	2.710	11.1	22.5
2 1	10 19.06	+16 19.6	1.757	2.703	7.2	22.2
2 11	10 9.68	+17 13.4	1.716	2.696	3.2	21.9
2 21	9 59.34	+18 4.3	1.705	2.688	2.9	21.9
3 2	9 49.19	+18 45.9	1.723	2.679	7.0	22.1
3 12	9 40.40	+19 13.9	1.768	2.669	11.0	22.4
3 22	9 33.82	+19 26.3	1.836	2.659	14.6	22.6

428180 2006 TT_{95} 2 17.9 182°.52 7°.8/ 8.5 17

1 12	10 33.09	+40 16.8	2.799	3.584	10.7	21.4
1 22	10 27.24	+41 24.2	2.738	3.585	9.2	21.3
2 1	10 19.20	+42 22.4	2.702	3.585	8.1	21.2
2 11	10 9.63	+43 4.5	2.693	3.584	7.8	21.2
2 21	9 59.42	+43 25.6	2.711	3.584	8.6	21.2
3 2	9 49.59	+43 23.1	2.755	3.583	10.0	21.3
3 12	9 41.11	+42 57.8	2.823	3.582	11.6	21.4
3 22	9 34.64	+42 12.6	2.911	3.581	13.1	21.6

296535 2009 OA_{18} 2 17.9 246°.28 1°.8/19.3 17

1 12	10 30.21	+ 6 0.2	2.095	2.865	14.3	21.8
1 22	10 25.39	+ 5 54.4	1.987	2.850	11.4	21.6
2 1	10 18.27	+ 6 1.4	1.903	2.835	7.9	21.3
2 11	10 9.36	+ 6 19.4	1.845	2.818	4.0	21.0
2 21	9 59.48	+ 6 45.5	1.816	2.802	2.0	20.9
3 2	9 49.65	+ 7 15.2	1.817	2.784	5.5	21.1
3 12	9 40.94	+ 7 43.9	1.846	2.767	9.5	21.3
3 22	9 34.15	+ 8 7.6	1.900	2.748	13.1	21.5

401008 2011 QN_{93} 2 17.9 289°.28 2°.8/19.6 18

1 12	10 29.07	+ 4 56.4	1.434	2.229	18.6	21.0
1 22	10 25.51	+ 4 40.9	1.340	2.215	15.0	20.7
2 1	10 18.88	+ 4 44.1	1.265	2.201	10.5	20.4
2 11	10 9.77	+ 5 4.9	1.213	2.187	5.6	20.1
2 21	9 59.28	+ 5 39.3	1.188	2.173	2.9	19.9
3 2	9 48.87	+ 6 21.1	1.188	2.159	7.1	20.1
3 12	9 40.06	+ 7 2.7	1.214	2.145	12.3	20.3
3 22	9 33.99	+ 7 37.7	1.261	2.132	17.0	20.5

153304 2001 HG_{61} 2 17.9 209°.98 2°.4/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 30.71	+ 3 22.0	1.821	2.590	16.2	20.9
1 22	10 26.06	+ 3 30.7	1.724	2.584	13.0	20.7
2 1	10 18.83	+ 3 57.7	1.648	2.577	9.1	20.5
2 11	10 9.63	+ 4 41.0	1.598	2.570	4.9	20.2
2 21	9 59.38	+ 5 36.4	1.576	2.561	2.5	20.0
3 2	9 49.26	+ 6 37.4	1.584	2.552	6.0	20.2
3 12	9 40.45	+ 7 36.9	1.619	2.542	10.4	20.4
3 22	9 33.87	+ 8 29.2	1.678	2.532	14.3	20.7

132844 2002 RW_{39} 2 17.9 213°.44 0°.5/17.5 17

1 12	10 26.33	+11 23.9	2.485	3.272	11.9	21.2
1 22	10 21.97	+11 53.2	2.389	3.266	9.2	21.0
2 1	10 15.78	+12 31.6	2.318	3.261	6.0	20.8
2 11	10 8.23	+13 15.6	2.275	3.255	2.4	20.5
2 21	10 0.02	+14 0.8	2.262	3.248	1.4	20.4
3 2	9 51.96	+14 42.5	2.279	3.242	5.0	20.7
3 12	9 44.85	+15 16.9	2.326	3.235	8.4	20.9
3 22	9 39.31	+15 41.4	2.397	3.228	11.4	21.0

135111 2001 QV_{112} 2 17.9 123°.67 3°.1/20.7 18

1 12	10 26.38	+ 1 25.3	2.372	3.123	13.4	19.3
1 22	10 22.01	+ 1 10.1	2.280	3.126	10.8	19.1
2 1	10 15.79	+ 1 8.7	2.211	3.129	7.8	19.0
2 11	10 8.23	+ 1 20.2	2.169	3.131	4.8	18.8
2 21	10 0.03	+ 1 42.4	2.155	3.134	3.1	18.7
3 2	9 52.02	+ 2 12.0	2.171	3.136	4.9	18.8
3 12	9 45.01	+ 2 44.6	2.215	3.138	8.0	19.0
3 22	9 39.60	+ 3 16.2	2.285	3.141	10.9	19.2

380423 2003 FM_{38} 2 17.9 266°.09 5°.9/23.6 17

1 12	10 24.33	− 8 0.4	2.127	2.841	15.8	21.7
1 22	10 20.91	− 8 0.5	2.014	2.823	13.5	21.5
2 1	10 15.37	− 7 36.8	1.920	2.805	10.7	21.2
2 11	10 8.17	− 6 48.2	1.850	2.786	7.8	21.0
2 21	10 0.03	− 5 36.4	1.806	2.767	6.0	20.9
3 2	9 51.88	− 4 6.0	1.791	2.748	6.7	20.9
3 12	9 44.70	− 2 24.6	1.804	2.729	9.4	21.0
3 22	9 39.29	− 0 41.0	1.843	2.709	12.7	21.1

460180 2014 QF_{64} 2 17.9 135°.53 2°.0/19.7 18

1 12	10 28.51	+ 3 12.4	1.863	2.634	15.8	22.1
1 22	10 24.10	+ 3 38.1	1.783	2.645	12.6	21.9
2 1	10 17.37	+ 4 22.5	1.724	2.654	8.7	21.7
2 11	10 8.94	+ 5 22.4	1.691	2.664	4.5	21.5
2 21	9 59.73	+ 6 32.4	1.687	2.673	2.1	21.3
3 2	9 50.83	+ 7 45.5	1.712	2.681	5.6	21.6
3 12	9 43.27	+ 8 54.4	1.765	2.689	9.6	21.8
3 22	9 37.78	+ 9 53.7	1.842	2.696	13.2	22.1

292759 2006 UO_{186} 2 17.9 168°.86 5°.0/23.9 17

1 12	10 24.00	− 8 33.7	2.936	3.623	12.4	21.2
1 22	10 19.89	− 8 47.0	2.837	3.626	10.5	21.0
2 1	10 14.27	− 8 43.8	2.760	3.628	8.4	20.9
2 11	10 7.57	− 8 23.8	2.708	3.631	6.4	20.8
2 21	10 0.35	− 7 48.1	2.684	3.633	5.1	20.7
3 2	9 53.24	− 6 59.5	2.689	3.634	5.5	20.7
3 12	9 46.90	− 6 2.3	2.724	3.636	7.2	20.8
3 22	9 41.84	− 5 1.4	2.785	3.637	9.3	20.9

176184 2001 OX_{6} 2 17.9 224°.30 2°.1/19.7 18

1 12	10 28.98	+ 4 7.1	2.260	3.021	13.7	20.6
1 22	10 24.24	+ 4 9.4	2.155	3.010	11.0	20.3
2 1	10 17.41	+ 4 25.7	2.072	2.999	7.7	20.1
2 11	10 8.98	+ 4 54.1	2.017	2.988	4.1	19.9
2 21	9 59.71	+ 5 31.6	1.991	2.975	2.2	19.7
3 2	9 50.52	+ 6 13.8	1.995	2.962	5.1	19.9
3 12	9 42.35	+ 6 55.7	2.028	2.949	8.7	20.1
3 22	9 35.94	+ 7 32.9	2.086	2.935	12.1	20.3

522209 2016 AD_{263} 2 17.9 41°.08 1°.9/19.3 16

1 12	10 28.82	+ 6 13.7	1.677	2.466	16.6	21.2
1 22	10 24.63	+ 6 5.9	1.596	2.470	13.1	20.9
2 1	10 17.86	+ 6 13.5	1.537	2.473	9.0	20.7
2 11	10 9.19	+ 6 34.2	1.502	2.477	4.5	20.4
2 21	9 59.64	+ 7 3.7	1.495	2.481	2.1	20.3
3 2	9 50.41	+ 7 36.7	1.516	2.486	6.0	20.6
3 12	9 42.67	+ 8 7.4	1.563	2.490	10.4	20.8
3 22	9 37.24	+ 8 31.5	1.633	2.494	14.3	21.1

499083 2009 FZ_{11} 2 17.9 319°.79 2°.1/16.4 17

1 12	10 30.53	+18 6.7	2.208	3.009	12.7	20.8
1 22	10 25.41	+18 12.1	2.118	3.003	9.8	20.6
2 1	10 18.10	+18 20.9	2.052	2.998	6.4	20.3
2 11	10 9.23	+18 29.0	2.014	2.992	3.0	20.1
2 21	9 59.63	+18 32.1	2.006	2.987	2.8	20.1
3 2	9 50.31	+18 27.0	2.027	2.982	6.1	20.3
3 12	9 42.22	+18 11.8	2.076	2.978	9.6	20.5
3 22	9 36.05	+17 46.2	2.149	2.973	12.7	20.7

297075 2010 JD_{147} 2 17.9 287°.72 0°.6/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 23.22	+ 9 49.1	2.237	3.031	12.8	20.5
1 22	10 19.93	+10 41.6	2.131	3.013	9.9	20.3
2 1	10 14.64	+11 47.9	2.050	2.995	6.5	20.0
2 11	10 7.84	+13 3.7	1.997	2.977	2.7	19.8
2 21	10 0.21	+14 22.9	1.973	2.959	1.6	19.6
3 2	9 52.62	+15 39.0	1.979	2.941	5.6	19.9
3 12	9 45.99	+16 45.9	2.012	2.923	9.4	20.1
3 22	9 41.01	+17 39.5	2.071	2.906	12.7	20.2

179973 2002 XZ_{36} 2 17.9 113°.38 6°.4/12.8 18 R

1 12	10 34.83	+28 24.0	1.977	2.787	13.7	19.7
1 22	10 28.93	+29 28.7	1.920	2.803	10.8	19.5
2 1	10 20.44	+30 30.3	1.887	2.819	8.0	19.4
2 11	10 10.18	+31 20.2	1.882	2.834	6.4	19.3
2 21	9 59.26	+31 51.5	1.904	2.849	7.2	19.4
3 2	9 48.92	+32 0.2	1.955	2.863	9.6	19.6
3 12	9 40.28	+31 46.3	2.030	2.877	12.3	19.8
3 22	9 34.04	+31 12.7	2.127	2.891	14.8	20.0

275500 1995 OA_{9} 2 17.9 145°.83 3°.4/21.2 16

1 12	10 28.89	− 0 19.3	2.471	3.206	13.3	21.7
1 22	10 23.81	− 0 31.8	2.383	3.216	10.8	21.5
2 1	10 16.90	− 0 29.7	2.317	3.226	8.0	21.3
2 11	10 8.69	− 0 13.8	2.278	3.236	5.0	21.2
2 21	9 59.89	+ 0 13.7	2.269	3.244	3.4	21.1
3 2	9 51.30	+ 0 49.2	2.290	3.252	4.9	21.2
3 12	9 43.73	+ 1 28.3	2.340	3.260	7.8	21.4
3 22	9 37.76	+ 2 6.8	2.416	3.267	10.6	21.6

341442 2007 TK_{245} 2 17.9 91°.98 3°.8/21.5 18

1 12	10 26.58	− 0 53.7	2.343	3.083	13.8	20.7
1 22	10 22.15	− 1 13.1	2.257	3.093	11.3	20.5
2 1	10 15.87	− 1 17.2	2.194	3.103	8.4	20.3
2 11	10 8.27	− 1 6.5	2.158	3.113	5.5	20.2
2 21	10 0.08	− 0 43.0	2.149	3.123	3.8	20.1
3 2	9 52.12	− 0 10.2	2.170	3.132	5.2	20.2
3 12	9 45.19	+ 0 27.3	2.219	3.142	8.0	20.4
3 22	9 39.89	+ 1 5.1	2.294	3.152	10.8	20.6

262899 2007 CF_{40} 2 17.9 123°.37 1°.0/16.9 18

1 12	10 26.92	+10 11.7	2.141	2.931	13.4	21.0
1 22	10 22.61	+11 19.1	2.065	2.945	10.3	20.8
2 1	10 16.26	+12 39.5	2.015	2.959	6.6	20.6
2 11	10 8.46	+14 6.8	1.992	2.972	2.7	20.3
2 21	10 0.01	+15 34.1	2.000	2.985	1.9	20.3
3 2	9 51.84	+16 54.4	2.038	2.997	5.7	20.6
3 12	9 44.83	+18 2.1	2.104	3.009	9.3	20.8
3 22	9 39.65	+18 54.3	2.195	3.021	12.5	21.0

385618 2005 MW_{21} 2 17.9 160°.03 2°.0/15.5 17

1 12	10 23.53	+14 56.8	2.576	3.377	11.1	21.5
1 22	10 19.80	+16 6.2	2.492	3.379	8.4	21.3
2 1	10 14.34	+17 23.6	2.433	3.381	5.4	21.1
2 11	10 7.65	+18 43.9	2.404	3.382	2.6	20.9
2 21	10 0.36	+20 1.0	2.405	3.384	2.8	20.9
3 2	9 53.23	+21 9.5	2.437	3.385	5.7	21.1
3 12	9 47.00	+22 5.2	2.497	3.387	8.7	21.3
3 22	9 42.25	+22 46.2	2.581	3.388	11.4	21.5

298902 2004 TU_{63} 2 17.9 168°.37 2°.6/20.2 18

1 12	10 29.32	+ 1 59.3	1.883	2.646	16.0	21.4
1 22	10 24.79	+ 2 14.4	1.795	2.650	12.8	21.1
2 1	10 17.88	+ 2 48.7	1.728	2.654	9.0	20.9
2 11	10 9.21	+ 3 39.8	1.687	2.657	5.0	20.7
2 21	9 59.68	+ 4 43.2	1.675	2.659	2.7	20.5
3 2	9 50.37	+ 5 52.3	1.692	2.661	5.7	20.7
3 12	9 42.38	+ 6 59.9	1.737	2.662	9.7	21.0
3 22	9 36.47	+ 8 0.1	1.807	2.662	13.4	21.2

99982 1981 EJ_{21} 2 17.9 337°.08 1°.1/19.2 17

1 12	10 20.05	+ 5 19.0	2.615	3.391	11.7	19.6
1 22	10 17.11	+ 5 47.5	2.515	3.382	9.2	19.4
2 1	10 12.60	+ 6 28.8	2.439	3.374	6.2	19.2
2 11	10 6.93	+ 7 20.4	2.390	3.365	3.1	18.9
2 21	10 0.68	+ 8 18.4	2.371	3.358	1.2	18.8
3 2	9 54.54	+ 9 18.3	2.381	3.350	4.2	19.0
3 12	9 49.20	+10 15.3	2.421	3.343	7.4	19.2
3 22	9 45.19	+11 5.4	2.485	3.337	10.3	19.4

41157 1999 VX_{159} 2 17.9 231°.27 5°.3/23.3 18

1 12	10 25.57	− 7 1.7	2.454	3.160	14.1	19.7
1 22	10 21.51	− 7 14.3	2.344	3.149	12.0	19.5
2 1	10 15.58	− 7 8.0	2.256	3.138	9.5	19.3
2 11	10 8.23	− 6 42.0	2.192	3.126	7.0	19.1
2 21	10 0.11	− 5 57.7	2.156	3.114	5.4	19.0
3 2	9 52.04	− 4 58.4	2.149	3.101	6.1	19.0
3 12	9 44.85	− 3 49.6	2.170	3.088	8.4	19.1
3 22	9 39.21	− 2 37.5	2.218	3.075	11.2	19.3

94902 2001 YX_{18} 2 17.9 30°.13 3°.0/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 30.19	+16 14.6	1.315	2.144	18.1	19.8
1 22	10 26.39	+16 49.7	1.248	2.149	13.9	19.5
2 1	10 19.34	+17 35.4	1.202	2.154	9.0	19.3
2 11	10 9.91	+18 23.6	1.180	2.160	4.2	19.0
2 21	9 59.42	+19 5.3	1.184	2.166	4.1	19.0
3 2	9 49.47	+19 32.8	1.213	2.172	8.8	19.3
3 12	9 41.56	+19 42.1	1.266	2.179	13.6	19.6
3 22	9 36.60	+19 32.7	1.340	2.186	17.7	19.9

416886 2005 QX_{82} 2 17.9 168°.48 2°.2/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.61	+ 1 34.3	2.314	3.067	13.6	22.1
1 22	10 22.27	+ 2 1.4	2.222	3.071	10.9	22.0
2 1	10 16.02	+ 2 45.3	2.152	3.075	7.7	21.8
2 11	10 8.38	+ 3 43.5	2.110	3.078	4.3	21.5
2 21	10 0.07	+ 4 51.9	2.097	3.081	2.2	21.4
3 2	9 51.93	+ 6 4.9	2.115	3.083	4.8	21.6
3 12	9 44.82	+ 7 16.3	2.161	3.084	8.2	21.8
3 22	9 39.35	+ 8 21.0	2.235	3.085	11.4	22.0

55914 1998 FV_{14} 2 17.9 264°.94 3°.2/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.15	− 1 10.6	2.591	3.331	12.7	19.9
1 22	10 19.55	− 1 2.1	2.480	3.316	10.4	19.7
2 1	10 14.24	− 0 37.6	2.391	3.301	7.7	19.5
2 11	10 7.65	+ 0 2.0	2.328	3.287	4.9	19.3
2 21	10 0.38	+ 0 54.1	2.294	3.271	3.2	19.2
3 2	9 53.16	+ 1 54.7	2.291	3.256	4.7	19.3
3 12	9 46.73	+ 2 58.7	2.316	3.241	7.6	19.4
3 22	9 41.71	+ 4 1.0	2.367	3.225	10.5	19.6

59734 1999 LT_{2} 2 17.9 349°.71 4°.8/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.91	+17 35.9	1.144	1.994	18.8	18.4
1 22	10 22.14	+18 43.8	1.074	1.987	14.5	18.1
2 1	10 16.92	+20 5.3	1.025	1.981	9.6	17.8
2 11	10 9.02	+21 29.7	0.997	1.975	5.3	17.5
2 21	9 59.78	+22 44.0	0.994	1.971	6.1	17.5
3 2	9 50.94	+23 37.0	1.015	1.969	10.9	17.8
3 12	9 44.19	+24 2.4	1.056	1.967	15.8	18.1
3 22	9 40.60	+24 0.0	1.117	1.967	20.2	18.3

52139 6192 P–L 2 17.9 256°.20 2°.5/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 23.63	+ 1 16.6	2.341	3.098	13.4	19.5
1 22	10 20.06	+ 1 34.4	2.239	3.090	10.8	19.3
2 1	10 14.63	+ 2 8.7	2.161	3.083	7.7	19.1
2 11	10 7.83	+ 2 57.6	2.108	3.075	4.4	18.8
2 21	10 0.32	+ 3 57.8	2.084	3.067	2.5	18.7
3 2	9 52.91	+ 5 4.0	2.091	3.059	4.8	18.8
3 12	9 46.43	+ 6 10.6	2.125	3.051	8.1	19.0
3 22	9 41.51	+ 7 12.3	2.186	3.043	11.3	19.2

229028 2004 CZ_{3} 2 17.9 113°.96 1°.3/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.08	+13 3.9	1.471	2.277	17.7	20.4
1 22	10 29.71	+13 28.6	1.404	2.292	13.6	20.2
2 1	10 21.28	+14 5.2	1.359	2.306	8.8	20.0
2 11	10 10.66	+14 47.4	1.339	2.319	3.6	19.7
2 21	9 59.14	+15 27.7	1.346	2.332	2.5	19.7
3 2	9 48.21	+15 59.3	1.382	2.344	7.5	20.0
3 12	9 39.23	+16 17.6	1.443	2.356	12.2	20.3
3 22	9 33.08	+16 21.3	1.526	2.368	16.1	20.6

133188 2003 QW_{53} 2 17.9 212°.53 1°.5/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.86	+13 23.3	2.049	2.843	13.8	20.8
1 22	10 25.95	+14 3.0	1.953	2.835	10.6	20.6
2 1	10 18.66	+14 53.1	1.882	2.827	6.9	20.3
2 11	10 9.58	+15 48.4	1.839	2.818	2.9	20.1
2 21	9 59.57	+16 42.7	1.825	2.809	2.4	20.0
3 2	9 49.71	+17 29.7	1.841	2.799	6.4	20.2
3 12	9 41.09	+18 4.9	1.884	2.788	10.4	20.5
3 22	9 34.50	+18 25.9	1.952	2.776	13.8	20.7

282135 2001 QJ_{132} 2 17.9 191°.61 2°.6/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 31.71	+ 3 39.6	1.812	2.581	16.3	21.0
1 22	10 26.80	+ 3 35.9	1.720	2.580	13.1	20.8
2 1	10 19.31	+ 3 49.1	1.650	2.578	9.2	20.6
2 11	10 9.88	+ 4 17.6	1.605	2.576	5.0	20.3
2 21	9 59.45	+ 4 57.5	1.589	2.573	2.7	20.1
3 2	9 49.23	+ 5 43.4	1.601	2.569	6.0	20.3
3 12	9 40.40	+ 6 29.0	1.641	2.565	10.2	20.6
3 22	9 33.80	+ 7 8.9	1.705	2.560	14.1	20.8

437738 2014 EV_{19} 2 17.9 208°.12 2°.6/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.07	+20 6.0	2.872	3.672	10.1	21.5
1 22	10 21.55	+20 38.2	2.785	3.670	7.7	21.3
2 1	10 15.39	+21 12.9	2.723	3.668	5.1	21.1
2 11	10 8.09	+21 46.0	2.691	3.665	2.9	21.0
2 21	10 0.25	+22 13.5	2.689	3.662	3.2	21.0
3 2	9 52.61	+22 32.1	2.717	3.660	5.6	21.1
3 12	9 45.85	+22 39.7	2.773	3.657	8.2	21.3
3 22	9 40.52	+22 35.8	2.854	3.654	10.6	21.5

464224 2015 BP_{242} 2 17.9 299°.53 2°.5/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
1 12	10 25.17	+ 2 31.1	2.064	2.831	14.6	21.2
1 22	10 21.44	+ 2 38.2	1.972	2.830	11.7	20.9
2 1	10 15.62	+ 3 1.8	1.902	2.829	8.3	20.7
2 11	10 8.27	+ 3 40.3	1.858	2.828	4.7	20.5
2 21	10 0.17	+ 4 29.8	1.843	2.826	2.6	20.4
3 2	9 52.24	+ 5 25.1	1.856	2.825	5.2	20.5
3 12	9 45.42	+ 6 20.2	1.897	2.824	8.9	20.7
3 22	9 40.41	+ 7 10.0	1.963	2.823	12.3	21.0

281589 2008 UH_{145} 2 17.9 214°.15 1°.5/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.44	+13 53.8	2.188	2.988	12.8	21.5
1 22	10 22.32	+14 31.5	2.101	2.986	9.8	21.3
2 1	10 16.15	+15 18.0	2.038	2.985	6.3	21.1
2 11	10 8.48	+16 8.6	2.003	2.983	2.7	20.9
2 21	10 0.09	+16 57.7	1.997	2.981	2.3	20.8
3 2	9 51.91	+17 39.9	2.021	2.979	5.9	21.1
3 12	9 44.85	+18 11.3	2.072	2.977	9.5	21.3
3 22	9 39.58	+18 29.8	2.147	2.975	12.6	21.5

241344 2007 WT_{6} 2 17.9 120°.43 4°.1/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 28.52	+23 38.5	2.413	3.222	11.5	20.9
1 22	10 23.71	+24 26.0	2.341	3.228	8.9	20.7
2 1	10 16.92	+25 14.4	2.294	3.234	6.2	20.5
2 11	10 8.75	+25 57.7	2.274	3.241	4.2	20.4
2 21	9 59.99	+26 30.6	2.285	3.247	4.8	20.5
3 2	9 51.54	+26 49.4	2.324	3.253	7.2	20.6
3 12	9 44.26	+26 52.2	2.390	3.258	9.9	20.8
3 22	9 38.76	+26 39.6	2.479	3.264	12.4	21.0

45732 2000 GL_{136} 2 17.9 214°.11 2°.7/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 25.16	+17 33.2	2.467	3.271	11.4	18.8
1 22	10 21.19	+18 37.0	2.379	3.268	8.7	18.6
2 1	10 15.34	+19 47.4	2.317	3.263	5.7	18.4
2 11	10 8.13	+20 58.8	2.283	3.259	3.1	18.3
2 21	10 0.24	+22 5.2	2.280	3.254	3.5	18.3
3 2	9 52.50	+23 1.1	2.306	3.250	6.4	18.5
3 12	9 45.73	+23 42.9	2.361	3.245	9.4	18.6
3 22	9 40.57	+24 8.9	2.439	3.239	12.1	18.8

381252 2007 TK_{124} 2 18.0 335°.35 7°.3/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.08	+31 29.0	2.043	2.859	13.0	19.9
1 22	10 25.52	+32 34.8	1.972	2.855	10.5	19.7
2 1	10 18.41	+33 36.3	1.926	2.851	8.3	19.6
2 11	10 9.46	+34 25.1	1.905	2.847	7.3	19.5
2 21	9 59.70	+34 53.9	1.912	2.843	8.2	19.5
3 2	9 50.31	+34 58.7	1.945	2.840	10.4	19.7
3 12	9 42.45	+34 39.0	2.002	2.837	13.0	19.8
3 22	9 36.87	+33 57.6	2.080	2.834	15.4	20.0

229958 1999 RD_{43} 2 18.0 140°.20 3°.9/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 35.56	+19 23.8	1.990	2.789	14.0	21.8
1 22	10 29.42	+20 37.2	1.923	2.808	10.7	21.6
2 1	10 20.80	+21 56.0	1.882	2.825	7.1	21.5
2 11	10 10.42	+23 12.1	1.869	2.841	4.2	21.3
2 21	9 59.30	+24 17.3	1.887	2.857	4.7	21.4
3 2	9 48.63	+25 5.7	1.934	2.870	7.9	21.6
3 12	9 39.50	+25 34.4	2.008	2.883	11.2	21.8
3 22	9 32.66	+25 43.7	2.106	2.894	14.2	22.0

172963 2005 MY_{14} 2 18.0 88°.20 3°.8/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 26.97	− 0 20.3	2.455	3.194	13.3	19.9
1 22	10 22.44	− 0 49.1	2.361	3.196	10.9	19.8
2 1	10 16.10	− 1 4.3	2.289	3.198	8.1	19.6
2 11	10 8.44	− 1 6.0	2.245	3.199	5.3	19.4
2 21	10 0.14	− 0 55.5	2.228	3.201	3.8	19.3
3 2	9 52.01	− 0 35.7	2.242	3.203	5.2	19.4
3 12	9 44.84	− 0 10.5	2.284	3.205	7.9	19.6
3 22	9 39.23	+ 0 16.2	2.352	3.207	10.7	19.8

399552 2003 RM_{23} 2 18.0 183°.29 5°.5/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 30.32	− 4 29.8	2.061	2.785	16.0	21.4
1 22	10 25.44	− 4 57.2	1.966	2.785	13.4	21.2
2 1	10 18.28	− 5 5.3	1.891	2.786	10.3	21.0
2 11	10 9.43	− 4 53.1	1.841	2.785	7.3	20.8
2 21	9 59.70	− 4 22.0	1.819	2.784	5.5	20.7
3 2	9 50.12	− 3 35.8	1.826	2.782	6.6	20.7
3 12	9 41.73	− 2 40.5	1.860	2.780	9.5	20.9
3 22	9 35.28	− 1 42.6	1.920	2.777	12.7	21.1

56590 2000 JY_{35} 2 18.0 260°.31 0°.3/17.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1 12	10 29.39	+10 10.2	1.502	2.310	17.3	19.3
1 22	10 25.56	+10 35.2	1.417	2.305	13.5	19.1
2 1	10 18.78	+11 16.2	1.354	2.300	8.9	18.8
2 11	10 9.75	+12 8.2	1.315	2.295	3.7	18.4
2 21	9 59.56	+13 4.1	1.302	2.290	1.8	18.3
3 2	9 49.62	+13 55.7	1.318	2.285	7.2	18.6
3 12	9 41.32	+14 36.4	1.358	2.279	12.1	18.9
3 22	9 35.65	+15 2.2	1.421	2.274	16.4	19.1