440012 2002 LE_{27} 1 15.9 145°.43 1°.4/16.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 20.48	+15 38.1	2.242	3.033	12.9	24.2
12 23	8 12.94	+15 51.2	2.170	3.051	9.7	24.0
1 2	8 3.30	+16 11.8	2.123	3.069	6.1	23.8
1 12	7 52.33	+16 37.6	2.107	3.085	2.3	23.6
1 22	7 41.01	+17 5.5	2.122	3.099	2.6	23.7
2 1	7 30.38	+17 32.9	2.169	3.112	6.3	23.9
2 11	7 21.39	+17 57.7	2.245	3.124	9.7	24.2
2 21	7 14.65	+18 19.0	2.347	3.135	12.6	24.4

109495 2001 QX_{228} 1 15.9 156°.66 3°.1/17.5 18

12 13	8 10.87	+10 24.7	2.554	3.342	11.6	20.2
12 23	8 5.73	+10 15.2	2.471	3.345	9.0	20.0
1 2	7 58.94	+10 15.4	2.414	3.348	6.2	19.8
1 12	7 51.08	+10 24.8	2.384	3.351	3.6	19.7
1 22	7 42.87	+10 42.0	2.385	3.354	3.4	19.6
2 1	7 35.10	+11 5.1	2.416	3.357	5.9	19.8
2 11	7 28.51	+11 31.7	2.475	3.359	8.7	20.0
2 21	7 23.64	+11 59.5	2.559	3.361	11.3	20.2

186903 2004 LH_{15} 1 15.9 184°.85 2°.4/14.6 18

12 13	8 15.38	+26 20.9	2.498	3.312	11.1	21.1
12 23	8 9.34	+27 12.9	2.416	3.312	8.2	20.9
1 2	8 1.25	+28 6.5	2.361	3.311	5.1	20.7
1 12	7 51.78	+28 56.8	2.335	3.310	2.5	20.5
1 22	7 41.79	+29 39.6	2.340	3.309	3.6	20.6
2 1	7 32.27	+30 11.9	2.376	3.306	6.6	20.8
2 11	7 24.16	+30 32.8	2.440	3.304	9.7	21.0
2 21	7 18.12	+30 43.0	2.529	3.300	12.3	21.1

4557 Mika 1 15.9 329°.06 0°.2/15.9 18

12 13	8 11.08	+18 38.5	2.089	2.909	12.7	16.7
12 23	8 6.41	+19 24.7	2.006	2.906	9.5	16.5
1 2	7 59.60	+20 19.4	1.949	2.903	5.7	16.2
1 12	7 51.32	+21 18.7	1.919	2.900	1.6	15.9
1 22	7 42.48	+22 17.7	1.919	2.897	2.6	16.0
2 1	7 34.12	+23 12.2	1.949	2.895	6.6	16.3
2 11	7 27.24	+23 59.0	2.006	2.893	10.3	16.5
2 21	7 22.54	+24 36.8	2.086	2.890	13.5	16.7

270636 2002 PA_{76} 1 15.9 133°.58 0°.4/16.2 18

12 13	8 11.95	+17 13.7	2.361	3.170	11.8	20.9
12 23	8 6.73	+17 52.8	2.284	3.177	8.8	20.7
1 2	7 59.63	+18 39.6	2.233	3.184	5.3	20.5
1 12	7 51.30	+19 31.0	2.210	3.191	1.6	20.3
1 22	7 42.54	+20 23.0	2.218	3.197	2.2	20.3
2 1	7 34.28	+21 12.3	2.257	3.203	5.9	20.6
2 11	7 27.35	+21 56.0	2.324	3.209	9.2	20.8
2 21	7 22.36	+22 32.9	2.416	3.214	12.0	21.0

120378 2005 QL_{9} 1 15.9 115°.81 3°.1/14.7 18

12 13	8 18.11	+28 50.4	2.093	2.911	12.7	21.0
12 23	8 11.50	+29 28.5	2.031	2.928	9.5	20.8
1 2	8 2.55	+30 4.9	1.994	2.943	6.0	20.6
1 12	7 52.13	+30 34.5	1.985	2.959	3.3	20.5
1 22	7 41.35	+30 53.1	2.007	2.973	4.3	20.6
2 1	7 31.40	+30 58.8	2.058	2.988	7.5	20.8
2 11	7 23.31	+30 52.4	2.136	3.002	10.7	21.0
2 21	7 17.72	+30 36.0	2.237	3.015	13.5	21.2

466590 2014 UT_{117} 1 15.9 17°.88 5°.7/13.8 18

12 13	8 13.79	+31 16.7	1.396	2.243	16.3	20.1
12 23	8 9.43	+32 25.0	1.341	2.250	12.4	19.8
1 2	8 1.79	+33 30.7	1.308	2.258	8.4	19.6
1 12	7 51.99	+34 24.5	1.299	2.267	5.8	19.5
1 22	7 41.56	+34 59.1	1.317	2.277	7.1	19.6
2 1	7 32.24	+35 11.2	1.360	2.289	10.7	19.8
2 11	7 25.50	+35 2.1	1.426	2.301	14.5	20.1
2 21	7 22.14	+34 36.3	1.512	2.314	17.8	20.3

223687 2004 QN_{11} 1 15.9 137°.32 4°.1/14.1 18

12 13	8 17.90	+32 32.0	2.268	3.084	12.0	20.8
12 23	8 11.33	+33 15.1	2.202	3.094	9.1	20.7
1 2	8 2.47	+33 54.1	2.160	3.103	6.2	20.5
1 12	7 52.12	+34 23.6	2.148	3.112	4.2	20.4
1 22	7 41.37	+34 39.6	2.165	3.121	5.1	20.5
2 1	7 31.38	+34 40.4	2.211	3.129	7.8	20.7
2 11	7 23.16	+34 27.1	2.284	3.137	10.6	20.8
2 21	7 17.38	+34 2.4	2.380	3.145	13.2	21.0

405050 2001 SM_{198} 1 15.9 103°.67 1°.0/16.5 18

12 13	8 15.58	+16 34.9	2.013	2.822	13.5	21.9
12 23	8 9.51	+16 54.0	1.950	2.842	10.1	21.7
1 2	8 1.31	+17 21.2	1.912	2.862	6.2	21.5
1 12	7 51.78	+17 53.6	1.902	2.881	2.2	21.2
1 22	7 41.91	+18 27.6	1.922	2.900	2.6	21.3
2 1	7 32.79	+19 0.2	1.972	2.919	6.5	21.6
2 11	7 25.36	+19 28.9	2.049	2.937	10.1	21.8
2 21	7 20.23	+19 52.7	2.151	2.954	13.1	22.1

218011 2001 XS_{224} 1 15.9 351°.34 0°.3/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.76	+19 55.3	1.803	2.626	14.2	20.1
12 23	8 9.34	+19 55.4	1.725	2.626	10.7	19.9
1 2	8 1.43	+20 1.0	1.671	2.625	6.5	19.6
1 12	7 51.87	+20 9.4	1.644	2.625	2.0	19.3
1 22	7 41.77	+20 17.6	1.646	2.625	2.8	19.4
2 1	7 32.38	+20 23.5	1.676	2.624	7.3	19.6
2 11	7 24.84	+20 25.8	1.733	2.624	11.4	19.9
2 21	7 19.88	+20 24.2	1.812	2.624	14.9	20.1

490247 2008 WK_{85} 1 15.9 19°.43 2°.5/15.1 18

12 13	8 12.37	+22 15.2	1.088	1.947	19.0	20.4
12 23	8 8.81	+23 19.0	1.034	1.954	14.1	20.1
1 2	8 1.64	+24 32.8	1.001	1.962	8.5	19.9
1 12	7 52.00	+25 47.4	0.990	1.971	3.1	19.6
1 22	7 41.61	+26 52.9	1.005	1.981	5.0	19.7
2 1	7 32.43	+27 42.3	1.044	1.993	10.5	20.1
2 11	7 26.12	+28 13.1	1.104	2.005	15.5	20.4
2 21	7 23.54	+28 26.6	1.184	2.019	19.7	20.7

138479 2000 KU_{2} 1 15.9 227°.54 3°.0/18.0 18

12 13	8 9.92	+ 7 34.4	3.174	3.942	10.0	20.8
12 23	8 4.87	+ 7 48.8	3.068	3.928	7.9	20.7
1 2	7 58.41	+ 8 13.7	2.988	3.914	5.6	20.5
1 12	7 50.97	+ 8 48.4	2.937	3.899	3.5	20.3
1 22	7 43.12	+ 9 31.3	2.917	3.883	3.2	20.3
2 1	7 35.51	+10 20.1	2.929	3.867	5.1	20.4
2 11	7 28.77	+11 12.0	2.971	3.851	7.6	20.5
2 21	7 23.40	+12 4.4	3.040	3.834	9.9	20.7

156509 2002 CJ_{168} 1 15.9 300°.49 5°.8/13.9 18

12 13	8 18.46	+35 39.3	1.888	2.710	13.7	19.6
12 23	8 12.38	+36 21.0	1.813	2.705	10.7	19.4
1 2	8 3.40	+36 56.0	1.761	2.700	7.7	19.2
1 12	7 52.48	+37 17.2	1.736	2.695	5.8	19.1
1 22	7 40.92	+37 19.5	1.739	2.689	6.8	19.2
2 1	7 30.24	+37 1.4	1.770	2.684	9.6	19.3
2 11	7 21.76	+36 25.1	1.825	2.680	12.8	19.5
2 21	7 16.27	+35 35.2	1.902	2.675	15.7	19.7

10819 Mahakala 1 15.9 263°.36 0°.6/15.7 18

12 13	8 11.72	+21 43.1	2.473	3.288	11.1	18.8
12 23	8 6.64	+22 3.4	2.379	3.276	8.3	18.6
1 2	7 59.65	+22 27.5	2.311	3.265	5.0	18.4
1 12	7 51.36	+22 52.5	2.272	3.253	1.5	18.1
1 22	7 42.57	+23 15.6	2.263	3.240	2.4	18.2
2 1	7 34.18	+23 34.4	2.284	3.228	6.0	18.4
2 11	7 27.07	+23 47.4	2.334	3.216	9.3	18.6
2 21	7 21.88	+23 54.6	2.408	3.203	12.1	18.8

203773 Magyarics 1 15.9 171°.78 0°.4/16.2 18

12 13	8 12.31	+18 54.2	2.387	3.199	11.6	21.0
12 23	8 6.99	+19 7.5	2.306	3.200	8.6	20.8
1 2	7 59.81	+19 26.1	2.249	3.201	5.3	20.6
1 12	7 51.39	+19 47.6	2.222	3.202	1.6	20.4
1 22	7 42.56	+20 9.6	2.224	3.203	2.2	20.4
2 1	7 34.23	+20 29.5	2.257	3.203	5.8	20.7
2 11	7 27.25	+20 46.0	2.318	3.204	9.2	20.9
2 21	7 22.20	+20 58.2	2.404	3.204	12.0	21.1

363195 2001 UJ_{55} 1 16.0 127°.39 6°.6/19.0 18

12 13	8 13.66	+ 1 27.3	2.148	2.903	14.5	21.5
12 23	8 8.00	+ 0 53.4	2.076	2.916	12.0	21.3
1 2	8 0.40	+ 0 36.6	2.027	2.928	9.3	21.2
1 12	7 51.56	+ 0 38.4	2.004	2.940	7.1	21.1
1 22	7 42.35	+ 0 58.3	2.009	2.951	6.7	21.1
2 1	7 33.72	+ 1 33.8	2.042	2.962	8.2	21.2
2 11	7 26.54	+ 2 20.7	2.102	2.972	10.7	21.4
2 21	7 21.40	+ 3 14.3	2.186	2.982	13.2	21.5

77884 2001 SG_{126} 1 16.0 146°.57 0°.3/16.2 18

12 13	8 8.01	+19 5.0	3.793	4.594	7.9	19.7
12 23	8 3.18	+19 9.2	3.712	4.601	5.8	19.5
1 2	7 57.24	+19 16.2	3.658	4.608	3.5	19.4
1 12	7 50.61	+19 24.8	3.635	4.615	1.1	19.2
1 22	7 43.77	+19 33.8	3.643	4.621	1.5	19.2
2 1	7 37.25	+19 41.9	3.683	4.628	3.9	19.4
2 11	7 31.53	+19 48.5	3.753	4.634	6.1	19.6
2 21	7 27.00	+19 52.9	3.849	4.640	8.1	19.7

207503 2006 HY_{120} 1 16.0 6°.84 5°.4/17.9 18

12 13	8 12.52	+ 8 47.7	1.365	2.182	18.3	20.1
12 23	8 8.22	+ 8 27.2	1.294	2.182	14.5	19.9
1 2	8 1.02	+ 8 25.6	1.244	2.183	10.1	19.6
1 12	7 51.82	+ 8 43.6	1.217	2.184	6.3	19.4
1 22	7 41.93	+ 9 18.8	1.216	2.186	5.8	19.4
2 1	7 32.85	+10 6.7	1.240	2.188	9.4	19.6
2 11	7 25.93	+11 1.3	1.289	2.191	13.7	19.8
2 21	7 22.01	+11 56.8	1.359	2.194	17.6	20.1

240471 2004 BJ_{35} 1 16.0 339.°82 1.°1/15.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.74	+22 33.6	1.957	2.785	13.1	20.2
12 23	8 7.05	+22 59.2	1.876	2.780	9.7	20.0
1 2	8 0.07	+23 29.2	1.819	2.775	5.9	19.8
1 12	7 51.51	+23 59.7	1.789	2.770	1.9	19.5
1 22	7 42.40	+24 26.7	1.789	2.766	3.0	19.6
2 1	7 33.88	+24 47.3	1.817	2.762	7.1	19.8
2 11	7 27.00	+25 0.0	1.871	2.759	10.9	20.0
2 21	7 22.50	+25 4.8	1.948	2.755	14.2	20.3

460191 2014 QJ_{133} 1 16.0 32.°22 1.°3/15.6 18

12 13	8 13.97	+21 55.7	1.362	2.206	16.8	21.0
12 23	8 9.31	+22 29.1	1.307	2.218	12.5	20.8
1 2	8 1.62	+23 9.0	1.272	2.231	7.5	20.5
1 12	7 51.97	+23 49.7	1.263	2.244	2.3	20.2
1 22	7 41.81	+24 25.3	1.281	2.259	3.7	20.4
2 1	7 32.73	+24 51.5	1.325	2.274	8.8	20.7
2 11	7 26.05	+25 7.0	1.393	2.290	13.3	21.0
2 21	7 22.51	+25 12.1	1.482	2.306	17.0	21.3

361407 2006 WL_{86} 1 16.0 135.°72 4.°3/17.6 18

12 13	8 15.73	+ 8 55.9	2.162	2.944	13.6	20.5
12 23	8 9.51	+ 8 24.6	2.088	2.956	10.7	20.3
1 2	8 1.30	+ 8 4.9	2.039	2.967	7.5	20.2
1 12	7 51.83	+ 7 57.0	2.017	2.978	4.8	20.0
1 22	7 42.01	+ 8 0.1	2.025	2.989	4.6	20.0
2 1	7 32.81	+ 8 12.6	2.063	2.999	7.1	20.2
2 11	7 25.14	+ 8 31.8	2.128	3.008	10.1	20.4
2 21	7 19.57	+ 8 54.8	2.218	3.017	12.9	20.6

238752 2005 HF_{4} 1 16.0 12.°10 9.°5/ 9.9 18

12 13	8 19.52	+46 33.3	2.144	2.941	13.2	19.9
12 23	8 13.54	+48 19.5	2.087	2.941	11.3	19.7
1 2	8 4.34	+49 53.0	2.054	2.942	9.9	19.6
1 12	7 52.83	+51 4.5	2.047	2.943	9.5	19.6
1 22	7 40.42	+51 47.3	2.066	2.944	10.4	19.7
2 1	7 28.83	+51 59.3	2.110	2.945	12.0	19.8
2 11	7 19.60	+51 43.6	2.176	2.947	14.0	19.9
2 21	7 13.68	+51 5.9	2.260	2.948	15.8	20.1

236031 2005 GV_{160} 1 16.0 282.°12 5.°5/18.4 18

12 13	8 10.19	+ 4 23.1	2.296	3.068	13.2	20.4
12 23	8 5.55	+ 3 55.6	2.199	3.054	10.8	20.2
1 2	7 59.03	+ 3 42.1	2.126	3.040	8.2	20.0
1 12	7 51.22	+ 3 43.8	2.078	3.026	6.0	19.9
1 22	7 42.87	+ 4 0.5	2.059	3.012	5.7	19.8
2 1	7 34.88	+ 4 30.5	2.069	2.998	7.5	19.9
2 11	7 28.11	+ 5 10.4	2.105	2.984	10.3	20.0
2 21	7 23.20	+ 5 56.4	2.165	2.970	13.0	20.2

203077 2000 QH_{57} 1 16.0 74.°80 1.°2/16.5 17

12 13	8 17.42	+16 20.4	1.453	2.278	17.0	20.6
12 23	8 11.52	+16 43.7	1.400	2.300	12.7	20.4
1 2	8 2.79	+17 18.7	1.369	2.322	7.8	20.2
1 12	7 52.29	+18 0.9	1.364	2.344	2.7	19.9
1 22	7 41.40	+18 45.0	1.387	2.366	3.2	20.0
2 1	7 31.60	+19 26.5	1.437	2.388	8.1	20.3
2 11	7 24.11	+20 2.0	1.513	2.409	12.5	20.7
2 21	7 19.62	+20 30.2	1.611	2.430	16.1	20.9

32968 1996 PK_{8} 1 16.0 282.°23 1.°1/16.4 18

12 13	8 15.53	+17 43.0	1.557	2.383	16.0	18.9
12 23	8 10.55	+17 48.4	1.463	2.364	12.2	18.6
1 2	8 2.56	+18 3.3	1.392	2.346	7.6	18.3
1 12	7 52.35	+18 25.3	1.346	2.326	2.6	18.0
1 22	7 41.14	+18 50.3	1.328	2.307	3.3	18.0
2 1	7 30.47	+19 14.8	1.338	2.288	8.5	18.2
2 11	7 21.82	+19 35.7	1.372	2.269	13.4	18.4
2 21	7 16.20	+19 51.7	1.428	2.249	17.7	18.7

494816 2007 SG 1 16.0 77.°56 7.°5/20.8 18

12 13	8 11.22	− 4 16.9	2.346	3.070	14.3	20.9
12 23	8 5.99	− 4 42.9	2.287	3.095	12.1	20.8
1 2	7 59.09	− 4 48.9	2.250	3.121	9.9	20.7
1 12	7 51.19	− 4 33.6	2.238	3.147	8.1	20.6
1 22	7 43.05	− 3 58.1	2.253	3.172	7.5	20.6
2 1	7 35.50	− 3 5.3	2.295	3.197	8.4	20.7
2 11	7 29.25	− 1 59.9	2.365	3.222	10.2	20.9
2 21	7 24.80	− 0 47.5	2.458	3.246	12.1	21.0

221696 2007 DE_{59} 1 16.0 158.°15 2.°5/17.2 18

12 13	8 12.66	+12 22.6	2.014	2.817	13.7	20.5
12 23	8 7.55	+12 35.3	1.934	2.819	10.5	20.3
1 2	8 0.29	+12 59.9	1.877	2.821	6.9	20.0
1 12	7 51.60	+13 34.8	1.848	2.823	3.3	19.8
1 22	7 42.40	+14 16.8	1.849	2.824	3.2	19.8
2 1	7 33.75	+15 2.3	1.878	2.826	6.7	20.0
2 11	7 26.63	+15 47.7	1.935	2.827	10.4	20.3
2 21	7 21.72	+16 30.0	2.016	2.828	13.6	20.5

104937 2000 JY_{31} 1 16.0 179.°00 4.°3/17.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.50	+ 8 22.7	2.285	3.065	13.1	20.4
12 23	8 8.62	+ 7 54.3	2.201	3.066	10.3	20.2
1 2	8 0.82	+ 7 37.2	2.140	3.067	7.3	20.0
1 12	7 51.74	+ 7 31.7	2.108	3.068	4.8	19.9
1 22	7 42.22	+ 7 37.3	2.105	3.068	4.6	19.8
2 1	7 33.21	+ 7 52.3	2.132	3.067	6.9	20.0
2 11	7 25.57	+ 8 14.2	2.187	3.066	9.9	20.2
2 21	7 19.92	+ 8 40.0	2.266	3.064	12.7	20.4

244876 2003 UX_{273} 1 16.0 25.°08 6.°0/16.9 18

12 13	8 16.92	+11 36.9	1.429	2.244	17.7	18.3
12 23	8 10.96	+ 9 54.4	1.377	2.264	13.9	18.1
1 2	8 2.34	+ 8 23.6	1.348	2.284	9.8	17.9
1 12	7 52.15	+ 7 8.4	1.344	2.307	6.6	17.8
1 22	7 41.73	+ 6 11.3	1.367	2.330	6.6	17.8
2 1	7 32.47	+ 5 32.8	1.417	2.354	9.6	18.0
2 11	7 25.47	+ 5 10.8	1.492	2.379	13.1	18.3
2 21	7 21.34	+ 5 1.5	1.587	2.406	16.3	18.6

435375 2007 VS_{330} 1 16.0 76.°57 4.°9/12.9 18

12 13	8 14.49	+32 41.9	2.291	3.111	11.7	20.7
12 23	8 9.00	+34 9.6	2.228	3.122	8.9	20.5
1 2	8 1.21	+35 34.8	2.192	3.132	6.3	20.4
1 12	7 51.88	+36 50.5	2.185	3.143	4.9	20.3
1 22	7 41.99	+37 51.0	2.207	3.153	5.9	20.4
2 1	7 32.69	+38 33.0	2.259	3.164	8.3	20.5
2 11	7 25.03	+38 56.4	2.336	3.174	11.0	20.7
2 21	7 19.72	+39 3.5	2.436	3.185	13.3	20.9

425463 2010 EO_{93} 1 16.0 219.°64 0.°4/16.2 17

12 13	8 11.42	+18 25.6	2.687	3.494	10.6	22.0
12 23	8 6.24	+18 44.2	2.595	3.487	7.9	21.8
1 2	7 59.35	+19 8.3	2.529	3.480	4.8	21.6
1 12	7 51.31	+19 35.6	2.492	3.472	1.5	21.4
1 22	7 42.84	+20 3.6	2.486	3.465	2.0	21.4
2 1	7 34.74	+20 30.0	2.511	3.456	5.4	21.6
2 11	7 27.78	+20 53.0	2.565	3.448	8.5	21.8
2 21	7 22.55	+21 11.6	2.643	3.439	11.2	22.0

465601 2009 BE_{189} 1 16.0 35.°99 2.°7/14.6 18

12 13	8 12.25	+25 40.5	2.016	2.845	12.7	20.3
12 23	8 7.39	+26 40.9	1.948	2.852	9.4	20.1
1 2	8 0.25	+27 43.9	1.905	2.859	5.8	19.9
1 12	7 51.59	+28 43.9	1.890	2.867	2.9	19.8
1 22	7 42.43	+29 35.5	1.905	2.875	4.1	19.9
2 1	7 33.91	+30 14.9	1.948	2.883	7.5	20.1
2 11	7 27.06	+30 40.9	2.018	2.892	10.9	20.3
2 21	7 22.58	+30 54.2	2.110	2.901	13.8	20.5

365596 2010 TQ_{166} 1 16.0 60.°34 5.°9/18.2 18

12 13	8 15.44	+ 6 55.9	1.595	2.390	17.1	20.0
12 23	8 9.71	+ 6 14.8	1.542	2.414	13.5	19.8
1 2	8 1.56	+ 5 51.3	1.511	2.438	9.8	19.7
1 12	7 51.93	+ 5 46.1	1.504	2.462	6.6	19.5
1 22	7 42.02	+ 5 58.1	1.525	2.486	6.2	19.6
2 1	7 33.06	+ 6 24.1	1.573	2.511	8.8	19.8
2 11	7 26.10	+ 6 59.6	1.647	2.535	12.1	20.0
2 21	7 21.75	+ 7 39.5	1.742	2.559	15.2	20.3

150498 2000 QV_{111} 1 16.0 67.°97 2.°2/17.0 18

12 13	8 13.37	+13 19.3	1.778	2.590	14.9	19.7
12 23	8 8.17	+13 36.2	1.715	2.606	11.3	19.5
1 2	8 0.67	+14 5.4	1.675	2.622	7.2	19.3
1 12	7 51.70	+14 44.5	1.661	2.638	3.2	19.1
1 22	7 42.33	+15 29.5	1.677	2.654	3.2	19.2
2 1	7 33.72	+16 16.2	1.721	2.670	7.1	19.4
2 11	7 26.89	+17 0.9	1.792	2.686	10.9	19.7
2 21	7 22.49	+17 41.0	1.885	2.702	14.2	19.9

277828 2006 HA_{23} 1 16.0 358.°21 0.°9/16.4 18

12 13	8 11.75	+17 14.8	1.897	2.718	13.8	21.1
12 23	8 7.04	+17 30.2	1.818	2.717	10.3	20.8
1 2	8 0.06	+17 54.2	1.763	2.716	6.4	20.6
1 12	7 51.56	+18 24.2	1.736	2.716	2.2	20.3
1 22	7 42.52	+18 56.5	1.737	2.715	2.7	20.4
2 1	7 34.08	+19 27.9	1.766	2.716	6.9	20.6
2 11	7 27.28	+19 55.7	1.822	2.716	10.8	20.9
2 21	7 22.82	+20 18.4	1.902	2.717	14.1	21.1

105696 2000 SJ_{63} 1 16.0 57.°39 0.°1/15.9 18

12 13	8 16.11	+19 17.1	1.372	2.208	17.2	19.8
12 23	8 10.86	+19 46.9	1.315	2.222	12.8	19.6
1 2	8 2.57	+20 26.2	1.279	2.235	7.7	19.3
1 12	7 52.29	+21 9.8	1.268	2.249	2.2	19.0
1 22	7 41.49	+21 51.7	1.284	2.263	3.3	19.1
2 1	7 31.75	+22 27.2	1.328	2.278	8.6	19.5
2 11	7 24.43	+22 53.8	1.396	2.293	13.2	19.8
2 21	7 20.29	+23 11.0	1.485	2.307	17.0	20.1

234171 2000 LB_{28} 1 16.0 208°.43 0°.8/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.18	+20 31.2	1.846	2.665	14.2	21.1
12 23	8 11.31	+21 15.6	1.761	2.660	10.6	20.8
1 2	8 2.79	+22 7.9	1.700	2.655	6.4	20.6
1 12	7 52.40	+23 3.0	1.667	2.648	1.9	20.3
1 22	7 41.24	+23 55.4	1.664	2.641	3.1	20.3
2 1	7 30.66	+24 40.3	1.690	2.634	7.7	20.6
2 11	7 21.90	+25 15.2	1.743	2.626	11.8	20.8
2 21	7 15.82	+25 39.7	1.819	2.617	15.4	21.0

18241 Genzel 1 16.0 89°.31 2°.9/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.18	+27 25.6	1.890	2.717	13.5	18.3
12 23	8 10.40	+28 1.5	1.822	2.724	10.1	18.1
1 2	8 2.10	+28 37.4	1.778	2.731	6.3	17.9
1 12	7 52.15	+29 8.0	1.762	2.738	3.1	17.7
1 22	7 41.71	+29 28.6	1.774	2.745	4.3	17.8
2 1	7 32.08	+29 37.0	1.816	2.752	7.9	18.1
2 11	7 24.38	+29 33.2	1.883	2.758	11.5	18.3
2 21	7 19.32	+29 19.2	1.973	2.765	14.6	18.5

237116 2008 TR_{164} 1 16.0 11°.16 0°.2/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 10.27	+19 14.5	1.584	2.421	15.2	20.1
12 23	8 6.31	+19 46.6	1.517	2.425	11.3	19.8
1 2	7 59.77	+20 27.7	1.472	2.429	6.8	19.6
1 12	7 51.50	+21 13.4	1.454	2.435	2.0	19.3
1 22	7 42.67	+21 58.7	1.462	2.441	3.0	19.4
2 1	7 34.60	+22 38.8	1.498	2.448	7.8	19.7
2 11	7 28.48	+23 11.0	1.559	2.457	12.0	19.9
2 21	7 25.04	+23 34.0	1.642	2.466	15.6	20.2

459419 2012 QM_{48} 1 16.0 187°.68 4°.2/18.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 10.81	+ 7 28.3	2.323	3.106	12.8	21.3
12 23	8 5.91	+ 7 15.5	2.239	3.105	10.1	21.2
1 2	7 59.20	+ 7 15.5	2.178	3.105	7.2	21.0
1 12	7 51.30	+ 7 28.1	2.145	3.105	4.8	20.8
1 22	7 42.97	+ 7 52.1	2.141	3.104	4.4	20.8
2 1	7 35.09	+ 8 25.1	2.166	3.104	6.7	20.9
2 11	7 28.48	+ 9 4.0	2.218	3.103	9.6	21.1
2 21	7 23.72	+ 9 45.4	2.295	3.102	12.3	21.3

309564 2008 AL_{16} 1 16.0 294°.90 1°.9/16.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.23	+15 57.1	1.663	2.484	15.4	20.4
12 23	8 9.23	+15 52.4	1.579	2.476	11.7	20.2
1 2	8 1.56	+15 57.5	1.518	2.469	7.4	19.9
1 12	7 52.05	+16 10.6	1.483	2.461	3.0	19.6
1 22	7 41.82	+16 28.9	1.475	2.453	3.3	19.6
2 1	7 32.24	+16 49.4	1.496	2.446	7.8	19.9
2 11	7 24.54	+17 9.4	1.542	2.439	12.2	20.1
2 21	7 19.56	+17 27.1	1.611	2.432	16.0	20.3

235141 2003 QC_{74} 1 16.0 206°.12 2°.2/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.27	+13 56.6	2.071	2.870	13.5	21.7
12 23	8 10.26	+13 58.7	1.980	2.864	10.4	21.4
1 2	8 1.99	+14 10.6	1.914	2.858	6.7	21.2
1 12	7 52.14	+14 30.7	1.876	2.851	3.1	21.0
1 22	7 41.69	+14 56.5	1.867	2.843	3.1	20.9
2 1	7 31.75	+15 25.1	1.889	2.835	6.8	21.2
2 11	7 23.35	+15 54.0	1.939	2.826	10.6	21.4
2 21	7 17.23	+16 20.9	2.013	2.816	13.9	21.6

200782 2001 XA_{55} 1 16.0 8°.16 1°.4/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.11	+17 37.0	1.212	2.056	18.5	20.0
12 23	8 9.80	+17 32.9	1.147	2.056	14.0	19.8
1 2	8 2.16	+17 40.0	1.101	2.058	8.7	19.5
1 12	7 52.24	+17 55.3	1.079	2.060	3.1	19.1
1 22	7 41.59	+18 14.8	1.083	2.062	3.7	19.2
2 1	7 31.97	+18 34.4	1.112	2.066	9.3	19.5
2 11	7 24.92	+18 51.2	1.164	2.071	14.4	19.8
2 21	7 21.30	+19 3.6	1.236	2.076	18.7	20.1

522452 2016 CD_{320} 1 16.0 192°.56 3°.0/17.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 10.09	+ 8 5.6	2.972	3.745	10.5	22.8
12 23	8 5.05	+ 8 14.6	2.880	3.743	8.2	22.6
1 2	7 58.56	+ 8 34.1	2.813	3.740	5.8	22.5
1 12	7 51.10	+ 9 3.4	2.774	3.737	3.6	22.3
1 22	7 43.28	+ 9 40.7	2.767	3.734	3.3	22.3
2 1	7 35.78	+10 23.9	2.791	3.730	5.3	22.4
2 11	7 29.25	+11 10.0	2.844	3.726	7.8	22.6
2 21	7 24.19	+11 56.5	2.923	3.721	10.2	22.7

306335 2011 SL_{121} 1 16.0 31°.32 2°.0/15.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.79	+23 55.6	1.185	2.036	18.3	20.8
12 23	8 11.04	+24 20.1	1.133	2.048	13.6	20.5
1 2	8 2.84	+24 48.9	1.101	2.060	8.2	20.3
1 12	7 52.40	+25 15.6	1.094	2.074	2.9	20.0
1 22	7 41.45	+25 34.2	1.111	2.089	4.4	20.1
2 1	7 31.80	+25 41.5	1.154	2.104	9.7	20.5
2 11	7 24.97	+25 37.5	1.221	2.120	14.5	20.8
2 21	7 21.69	+25 24.0	1.306	2.137	18.5	21.1

54748 2001 KO_{44} 1 16.0 187°.32 6°.1/18.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.57	+ 2 48.1	2.168	2.929	14.2	19.7
12 23	8 8.07	+ 2 22.1	2.082	2.929	11.7	19.5
1 2	8 0.57	+ 2 12.3	2.020	2.928	8.9	19.4
1 12	7 51.72	+ 2 20.0	1.984	2.927	6.6	19.2
1 22	7 42.37	+ 2 44.7	1.976	2.925	6.2	19.2
2 1	7 33.49	+ 3 23.9	1.997	2.922	8.0	19.3
2 11	7 26.01	+ 4 13.6	2.045	2.919	10.7	19.5
2 21	7 20.56	+ 5 9.1	2.117	2.916	13.5	19.6

225165 2008 GZ_{117} 1 16.0 102°.18 0°.2/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.48	+18 59.2	1.453	2.278	17.0	20.5
12 23	8 13.91	+19 38.8	1.398	2.299	12.6	20.3
1 2	8 4.33	+20 27.8	1.365	2.320	7.6	20.0
1 12	7 52.82	+21 20.3	1.359	2.340	2.2	19.8
1 22	7 40.84	+22 9.7	1.381	2.360	3.3	19.9
2 1	7 30.00	+22 51.4	1.431	2.379	8.4	20.2
2 11	7 21.61	+23 22.9	1.507	2.397	12.9	20.5
2 21	7 16.40	+23 44.3	1.605	2.415	16.6	20.8

118592 2000 GF_{76} 1 16.0 236°.45 2°.9/14.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.03	+27 50.9	2.217	3.034	12.1	21.0
12 23	8 10.97	+28 31.8	2.123	3.020	9.2	20.7
1 2	8 2.50	+29 13.3	2.056	3.006	5.8	20.5
1 12	7 52.32	+29 50.2	2.016	2.991	3.1	20.3
1 22	7 41.44	+30 18.0	2.007	2.975	4.2	20.4
2 1	7 31.04	+30 33.6	2.028	2.959	7.5	20.5
2 11	7 22.25	+30 36.6	2.076	2.943	11.0	20.7
2 21	7 15.87	+30 28.5	2.148	2.925	14.0	20.9

94471 2001 TD_{178} 1 16.0 288°.89 2°.4/16.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.51	+16 25.4	1.449	2.276	16.9	19.6
12 23	8 11.47	+16 2.5	1.356	2.256	13.0	19.3
1 2	8 3.23	+15 48.5	1.284	2.236	8.4	19.0
1 12	7 52.62	+15 42.3	1.238	2.216	3.6	18.6
1 22	7 40.95	+15 42.1	1.218	2.196	3.9	18.6
2 1	7 29.86	+15 45.5	1.225	2.175	9.1	18.8
2 11	7 20.93	+15 50.6	1.257	2.155	14.2	19.1
2 21	7 15.23	+15 55.8	1.309	2.136	18.7	19.3

458395 2010 XJ_{12} 1 16.0 63°.11 0°.3/16.1 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.51	+20 8.2	1.634	2.455	15.6	21.1
12 23	8 12.63	+20 5.5	1.590	2.489	11.5	20.9
1 2	8 3.25	+20 8.0	1.569	2.522	6.9	20.7
1 12	7 52.44	+20 12.5	1.575	2.555	2.1	20.5
1 22	7 41.50	+20 16.3	1.609	2.588	2.8	20.6
2 1	7 31.75	+20 17.5	1.673	2.621	7.4	20.9
2 11	7 24.22	+20 15.4	1.763	2.654	11.3	21.2
2 21	7 19.45	+20 10.1	1.876	2.686	14.5	21.5

158680 2003 FS_{34} 1 16.0 132°.43 1°.2/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.73	+16 11.0	1.792	2.603	14.9	20.7
12 23	8 11.47	+16 28.5	1.723	2.616	11.2	20.5
1 2	8 2.72	+16 55.8	1.678	2.628	6.9	20.2
1 12	7 52.36	+17 29.6	1.661	2.640	2.5	20.0
1 22	7 41.52	+18 6.0	1.673	2.651	2.9	20.0
2 1	7 31.47	+18 41.1	1.714	2.662	7.2	20.3
2 11	7 23.33	+19 12.3	1.783	2.672	11.3	20.6
2 21	7 17.81	+19 38.2	1.874	2.681	14.7	20.8

26377 1999 FH_{4} 1 16.0 85°.13 5°.6/19.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 11.71	+ 0 5.2	2.516	3.258	13.0	18.1
12 23	8 6.25	+ 0 4.7	2.457	3.288	10.6	18.0
1 2	7 59.23	+ 0 20.9	2.421	3.317	8.2	17.9
1 12	7 51.29	+ 0 53.7	2.412	3.346	6.2	17.8
1 22	7 43.13	+ 1 41.3	2.432	3.375	5.6	17.8
2 1	7 35.53	+ 2 40.4	2.481	3.403	6.9	17.9
2 11	7 29.17	+ 3 46.6	2.559	3.430	9.0	18.1
2 21	7 24.52	+ 4 55.5	2.662	3.457	11.1	18.3

208723 2002 JP_{130} 1 16.0 196°.20 1°.8/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.39	+14 16.8	2.079	2.881	13.4	21.3
12 23	8 9.60	+14 30.9	1.992	2.878	10.2	21.0
1 2	8 1.59	+14 55.2	1.929	2.875	6.5	20.8
1 12	7 52.05	+15 27.6	1.895	2.871	2.8	20.6
1 22	7 41.94	+16 5.0	1.890	2.867	2.9	20.6
2 1	7 32.34	+16 43.9	1.915	2.862	6.7	20.8
2 11	7 24.27	+17 21.3	1.969	2.856	10.4	21.0
2 21	7 18.45	+17 55.2	2.046	2.850	13.7	21.2

419372 2009 XC_{14} 1 16.0 240°.33 6°.0/12.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.51	+35 52.0	2.170	2.986	12.4	20.8
12 23	8 11.61	+37 9.1	2.090	2.977	9.8	20.6
1 2	8 3.03	+38 22.1	2.034	2.967	7.2	20.4
1 12	7 52.52	+39 23.4	2.007	2.957	6.0	20.3
1 22	7 41.21	+40 6.5	2.009	2.947	7.0	20.4
2 1	7 30.46	+40 28.3	2.038	2.937	9.5	20.5
2 11	7 21.55	+40 29.2	2.093	2.926	12.3	20.7
2 21	7 15.36	+40 12.8	2.169	2.915	14.8	20.8

414977 2011 DD_3 1 16.0 351.°83 2.°5/15.2 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.71	+25 1.6	1.304	2.158	16.8	20.6
12 23	8 7.34	+25 28.3	1.232	2.148	12.6	20.4
1 2	8 0.74	+25 58.9	1.181	2.140	7.8	20.1
1 12	7 51.88	+26 27.3	1.154	2.134	3.1	19.8
1 22	7 42.20	+26 47.6	1.153	2.129	4.6	19.8
2 1	7 33.42	+26 56.0	1.177	2.125	9.6	20.1
2 11	7 27.07	+26 51.7	1.223	2.123	14.4	20.4
2 21	7 24.06	+26 36.4	1.290	2.123	18.5	20.6

453818 2011 SJ_{109} 1 16.0 177.°79 2.°3/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.48	+14 7.7	1.738	2.548	15.3	22.5
12 23	8 10.73	+14 12.7	1.660	2.550	11.7	22.2
1 2	8 2.39	+14 29.3	1.604	2.551	7.5	22.0
1 12	7 52.30	+14 55.5	1.575	2.551	3.3	21.7
1 22	7 41.59	+15 27.9	1.575	2.552	3.4	21.7
2 1	7 31.57	+16 3.0	1.603	2.551	7.6	22.0
2 11	7 23.41	+16 37.2	1.658	2.550	11.8	22.2
2 21	7 17.90	+17 8.3	1.736	2.549	15.4	22.5

79137 1991 PD_{15} 1 16.0 125.°79 0.°2/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 21.60	+19 47.0	1.902	2.709	14.3	20.0
12 23	8 14.10	+19 55.0	1.838	2.731	10.6	19.8
1 2	8 4.18	+20 8.1	1.800	2.751	6.4	19.6
1 12	7 52.76	+20 22.8	1.790	2.771	1.9	19.3
1 22	7 41.02	+20 36.0	1.811	2.790	2.7	19.4
2 1	7 30.21	+20 45.6	1.863	2.807	7.0	19.7
2 11	7 21.39	+20 50.7	1.942	2.824	10.8	20.0
2 21	7 15.20	+20 51.4	2.044	2.840	14.0	20.2

3861 Lorenz 1 16.0 312.°58 4.°2/17.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 11.77	+11 3.3	1.526	2.344	16.6	16.0
12 23	8 7.72	+10 46.1	1.433	2.324	13.1	15.7
1 2	8 0.87	+10 43.8	1.361	2.304	9.0	15.4
1 12	7 51.94	+10 56.8	1.314	2.285	5.1	15.1
1 22	7 42.07	+11 23.5	1.293	2.266	4.9	15.1
2 1	7 32.69	+12 0.5	1.299	2.248	8.9	15.2
2 11	7 25.19	+12 43.2	1.329	2.230	13.4	15.4
2 21	7 20.53	+13 27.1	1.380	2.213	17.6	15.6

234380 2001 QG_{58} 1 16.0 64.°56 1.°3/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.35	+21 28.7	1.268	2.105	18.2	20.2
12 23	8 14.00	+22 9.4	1.226	2.134	13.4	20.0
1 2	8 4.41	+22 56.8	1.205	2.162	8.0	19.7
1 12	7 52.85	+23 43.7	1.210	2.191	2.5	19.5
1 22	7 41.00	+24 23.6	1.242	2.220	3.9	19.7
2 1	7 30.58	+24 52.3	1.301	2.248	9.0	20.0
2 11	7 22.94	+25 8.9	1.384	2.277	13.6	20.4
2 21	7 18.73	+25 14.9	1.488	2.305	17.3	20.7

368691 2005 SW_{57} 1 16.0 209.°73 5.°4/18.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.65	+ 4 11.8	2.211	2.979	13.8	22.1
12 23	8 7.43	+ 3 58.1	2.121	2.974	11.2	21.9
1 2	8 0.23	+ 4 0.2	2.054	2.969	8.3	21.7
1 12	7 51.68	+ 4 18.5	2.013	2.963	6.0	21.5
1 22	7 42.60	+ 4 52.1	2.001	2.957	5.5	21.5
2 1	7 33.95	+ 5 38.2	2.019	2.951	7.5	21.6
2 11	7 26.63	+ 6 32.7	2.064	2.944	10.4	21.8
2 21	7 21.29	+ 7 31.2	2.133	2.936	13.2	22.0

167042 2003 QR_{51} 1 16.0 100.°36 0.°6/15.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.26	+20 41.5	1.715	2.536	15.0	20.7
12 23	8 11.94	+21 13.6	1.656	2.556	11.1	20.5
1 2	8 3.03	+21 51.6	1.621	2.575	6.6	20.3
1 12	7 52.48	+22 30.9	1.613	2.594	1.9	20.0
1 22	7 41.52	+23 6.6	1.634	2.612	3.0	20.2
2 1	7 31.50	+23 35.1	1.684	2.630	7.5	20.5
2 11	7 23.56	+23 55.0	1.761	2.647	11.5	20.7
2 21	7 18.36	+24 6.5	1.860	2.664	14.9	21.0

190233 2007 AK_2 1 16.0 104.°62 2.°8/15.9 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 35.63	+30 28.4	1.085	1.917	21.0	19.6
12 23	8 26.11	+29 37.7	1.025	1.928	16.0	19.3
1 2	8 12.01	+28 35.6	0.985	1.939	10.0	19.1
1 12	7 55.10	+27 16.7	0.970	1.949	3.9	18.7
1 22	7 37.89	+25 41.3	0.982	1.959	5.0	18.8
2 1	7 22.94	+23 55.6	1.022	1.969	11.0	19.2
2 11	7 12.07	+22 9.2	1.086	1.978	16.5	19.5
2 21	7 5.93	+20 29.4	1.170	1.987	21.0	19.9

167006 2003 PY_{11} 1 16.0 106.°07 4.°9/18.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.32	+ 6 26.1	1.848	2.630	15.6	20.1
12 23	8 10.20	+ 6 19.4	1.786	2.652	12.3	19.9
1 2	8 1.86	+ 6 29.7	1.747	2.673	8.8	19.7
1 12	7 52.13	+ 6 56.2	1.734	2.694	5.7	19.6
1 22	7 42.05	+ 7 36.6	1.750	2.714	5.2	19.6
2 1	7 32.75	+ 8 26.8	1.795	2.734	7.7	19.8
2 11	7 25.21	+ 9 21.9	1.867	2.753	11.0	20.0
2 21	7 20.06	+10 17.6	1.962	2.771	14.0	20.3

289520 2005 EF_{179} 1 16.0 21.°04 1.°4/16.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.62	+16 14.3	1.872	2.691	14.0	20.6
12 23	8 6.93	+16 20.9	1.798	2.695	10.5	20.4
1 2	8 0.01	+16 36.4	1.748	2.699	6.6	20.2
1 12	7 51.62	+16 58.8	1.725	2.704	2.5	19.9
1 22	7 42.75	+17 24.9	1.730	2.708	2.8	19.9
2 1	7 34.53	+17 51.7	1.764	2.714	6.8	20.2
2 11	7 27.97	+18 16.6	1.824	2.719	10.7	20.5
2 21	7 23.73	+18 37.9	1.908	2.726	14.0	20.7

136419 2005 CA_{48} 1 16.0 201.°38 0.°7/15.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.80	+22 24.0	2.048	2.863	13.1	20.7
12 23	8 11.49	+22 37.8	1.962	2.859	9.8	20.5
1 2	8 2.78	+22 54.9	1.902	2.855	5.9	20.2
1 12	7 52.44	+23 11.8	1.869	2.850	1.8	20.0
1 22	7 41.52	+23 25.1	1.867	2.845	2.8	20.0
2 1	7 31.22	+23 32.5	1.895	2.839	7.0	20.3
2 11	7 22.63	+23 33.2	1.951	2.832	10.8	20.5
2 21	7 16.50	+23 27.9	2.030	2.825	14.1	20.7

93657 2000 UN_{100} 1 16.0 344.°88 0.°8/15.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.64	+22 35.3	1.815	2.642	14.0	19.4
12 23	8 9.36	+22 44.1	1.737	2.640	10.4	19.2
1 2	8 1.56	+22 56.4	1.683	2.639	6.3	18.9
1 12	7 52.09	+23 8.6	1.656	2.637	1.9	18.6
1 22	7 42.06	+23 17.5	1.658	2.636	3.0	18.7
2 1	7 32.74	+23 20.8	1.687	2.634	7.4	19.0
2 11	7 25.28	+23 17.7	1.744	2.633	11.4	19.2
2 21	7 20.41	+23 8.8	1.823	2.633	14.9	19.4

157976 2000 HC_6 1 16.0 155.°07 2.°9/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.30	+26 46.0	1.830	2.651	14.2	20.8
12 23	8 13.59	+27 29.3	1.760	2.659	10.6	20.6
1 2	8 4.13	+28 13.5	1.714	2.666	6.6	20.4
1 12	7 52.84	+28 52.5	1.696	2.673	3.2	20.2
1 22	7 40.98	+29 20.8	1.708	2.678	4.4	20.3
2 1	7 29.96	+29 35.6	1.748	2.683	8.2	20.5
2 11	7 21.03	+29 36.9	1.816	2.688	12.0	20.8
2 21	7 14.97	+29 27.1	1.905	2.691	15.2	21.0

229225 2004 XU_{16} 1 16.0 2.°98 1.°3/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.41	+18 27.4	1.808	2.629	14.3	20.5
12 23	8 9.08	+18 6.4	1.730	2.629	10.8	20.3
1 2	8 1.34	+17 50.9	1.677	2.629	6.7	20.0
1 12	7 52.01	+17 39.5	1.650	2.629	2.4	19.8
1 22	7 42.19	+17 30.6	1.651	2.630	2.9	19.8
2 1	7 33.09	+17 22.9	1.682	2.631	7.2	20.1
2 11	7 25.80	+17 15.3	1.738	2.632	11.2	20.3
2 21	7 21.02	+17 7.3	1.818	2.634	14.7	20.5

296685 2009 SW_{235} 1 16.0 130.°57 2.°0/15.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.64	+25 21.9	2.151	2.970	12.4	21.2
12 23	8 9.74	+25 59.4	2.080	2.979	9.2	21.0
1 2	8 1.63	+26 38.5	2.035	2.988	5.6	20.8
1 12	7 52.09	+27 14.6	2.018	2.996	2.4	20.6
1 22	7 42.10	+27 43.7	2.032	3.005	3.5	20.7
2 1	7 32.78	+28 3.0	2.075	3.012	6.9	20.9
2 11	7 25.12	+28 12.0	2.145	3.020	10.3	21.1
2 21	7 19.77	+28 11.7	2.239	3.027	13.2	21.3

463253 2012 FR_{66} 1 16.0 351.°96 0.°0/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.51	+18 22.4	1.558	2.391	15.6	21.5
12 23	8 8.15	+18 58.5	1.483	2.388	11.7	21.3
1 2	8 1.02	+19 45.5	1.430	2.386	7.1	21.0
1 12	7 51.98	+20 38.8	1.403	2.384	2.1	20.7
1 22	7 42.21	+21 32.6	1.403	2.382	3.1	20.7
2 1	7 33.15	+22 21.7	1.431	2.381	8.1	21.0
2 11	7 26.08	+23 2.5	1.484	2.381	12.6	21.3
2 21	7 21.86	+23 33.5	1.559	2.381	16.4	21.5

228180 Puertollano 1 16.0 81.°65 3.°4/17.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.40	+13 0.0	1.305	2.126	18.8	20.6
12 23	8 13.22	+12 50.5	1.252	2.147	14.3	20.4
1 2	8 3.97	+12 56.3	1.220	2.167	9.3	20.1
1 12	7 52.78	+13 15.4	1.213	2.188	4.5	19.9
1 22	7 41.18	+13 43.9	1.232	2.208	4.4	20.0
2 1	7 30.79	+14 17.5	1.278	2.228	8.9	20.3
2 11	7 22.95	+14 51.8	1.349	2.248	13.4	20.6
2 21	7 18.36	+15 23.7	1.441	2.267	17.3	20.9

383752 2007 VR_{122} 1 16.0 18.°29 2.°7/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.69	+26 58.4	1.872	2.705	13.4	20.4
12 23	8 7.86	+27 29.6	1.805	2.711	10.0	20.2
1 2	8 0.62	+28 1.1	1.762	2.717	6.2	20.0
1 12	7 51.81	+28 28.2	1.746	2.723	3.0	19.8
1 22	7 42.54	+28 46.7	1.759	2.730	4.1	19.9
2 1	7 34.03	+28 54.1	1.799	2.738	7.7	20.1
2 11	7 27.37	+28 50.3	1.865	2.746	11.3	20.3
2 21	7 23.22	+28 37.0	1.954	2.755	14.3	20.6

330904 2009 SR_{66} 1 16.0 92°.81 1°.5/16.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.56	+15 26.0	1.971	2.782	13.7	21.5
12 23	8 8.22	+15 40.2	1.901	2.793	10.3	21.3
1 2	8 0.72	+16 3.9	1.855	2.804	6.5	21.1
1 12	7 51.83	+16 34.5	1.836	2.814	2.5	20.8
1 22	7 42.51	+17 8.7	1.847	2.825	2.7	20.9
2 1	7 33.86	+17 43.3	1.887	2.835	6.6	21.1
2 11	7 26.83	+18 15.5	1.954	2.846	10.3	21.4
2 21	7 22.07	+18 43.4	2.045	2.856	13.5	21.6

402968 2007 UT_{29} 1 16.0 112°.48 4°.6/18.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.34	+ 7 30.2	1.874	2.659	15.3	22.6
12 23	8 10.23	+ 7 20.8	1.810	2.678	12.0	22.5
1 2	8 1.90	+ 7 27.1	1.768	2.697	8.5	22.3
1 12	7 52.17	+ 7 48.5	1.754	2.716	5.4	22.1
1 22	7 42.08	+ 8 22.8	1.767	2.733	4.9	22.1
2 1	7 32.74	+ 9 6.2	1.810	2.750	7.6	22.3
2 11	7 25.14	+ 9 54.4	1.881	2.767	10.9	22.6
2 21	7 19.91	+10 43.4	1.974	2.783	14.0	22.8

258124 2001 QX_{327} 1 16.0 125°.74 2°.6/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.38	+27 31.7	2.156	2.972	12.5	21.5
12 23	8 11.72	+28 7.8	2.092	2.988	9.3	21.3
1 2	8 2.79	+28 43.3	2.053	3.003	5.8	21.1
1 12	7 52.43	+29 13.3	2.043	3.018	2.9	20.9
1 22	7 41.70	+29 33.8	2.063	3.032	3.9	21.0
2 1	7 31.75	+29 42.8	2.113	3.046	7.2	21.3
2 11	7 23.57	+29 40.6	2.190	3.059	10.4	21.5
2 21	7 17.81	+29 29.1	2.291	3.071	13.2	21.7

408870 2001 TX_{9} 1 16.0 111°.43 6°.2/19.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.66	+ 1 59.4	2.088	2.848	14.8	21.6
12 23	8 8.09	+ 1 38.5	2.020	2.865	12.0	21.4
1 2	8 0.55	+ 1 35.5	1.975	2.881	9.2	21.3
1 12	7 51.78	+ 1 51.2	1.955	2.896	6.9	21.2
1 22	7 42.65	+ 2 24.3	1.964	2.912	6.3	21.2
2 1	7 34.14	+ 3 11.6	2.001	2.927	8.0	21.3
2 11	7 27.12	+ 4 8.4	2.065	2.941	10.6	21.5
2 21	7 22.17	+ 5 9.8	2.153	2.955	13.2	21.7

421690 2014 PV 1 16.0 87°.05 1°.5/15.2 15

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.48	+21 13.9	1.982	2.796	13.5	21.8
12 23	8 11.80	+22 28.0	1.932	2.829	9.9	21.6
1 2	8 2.83	+23 47.2	1.908	2.861	5.9	21.5
1 12	7 52.44	+25 5.3	1.913	2.893	2.0	21.3
1 22	7 41.72	+26 16.1	1.949	2.924	3.2	21.4
2 1	7 31.83	+27 15.3	2.016	2.954	7.0	21.7
2 11	7 23.79	+28 1.0	2.110	2.984	10.5	22.0
2 21	7 18.22	+28 33.8	2.229	3.013	13.3	22.2

304800 2007 PH_{12} 1 16.0 119°.75 1°.3/15.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.51	+21 57.4	1.849	2.667	14.2	21.6
12 23	8 12.07	+22 44.3	1.786	2.685	10.5	21.4
1 2	8 3.13	+23 36.4	1.748	2.702	6.3	21.2
1 12	7 52.56	+24 28.2	1.738	2.718	2.1	20.9
1 22	7 41.53	+25 14.3	1.757	2.733	3.3	21.0
2 1	7 31.33	+25 50.9	1.807	2.748	7.4	21.3
2 11	7 23.08	+26 16.6	1.883	2.763	11.2	21.6
2 21	7 17.48	+26 32.0	1.982	2.776	14.4	21.8

486953 2014 MS_{61} 1 16.0 130°.73 1°.7/15.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.10	+23 49.5	1.978	2.795	13.4	21.5
12 23	8 11.68	+24 30.1	1.911	2.809	9.9	21.3
1 2	8 2.86	+25 13.8	1.869	2.823	6.0	21.1
1 12	7 52.47	+25 55.5	1.856	2.835	2.2	20.9
1 22	7 41.64	+26 30.5	1.873	2.848	3.4	21.0
2 1	7 31.58	+26 55.7	1.920	2.859	7.3	21.2
2 11	7 23.36	+27 10.2	1.993	2.870	10.9	21.5
2 21	7 17.68	+27 15.2	2.091	2.880	13.9	21.7

502981 2015 FA_{60} 1 16.1 30°.14 3°.5/17.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.20	+11 27.5	2.158	2.956	13.1	20.8
12 23	8 7.06	+10 58.5	2.079	2.958	10.2	20.6
1 2	7 59.98	+10 39.1	2.023	2.960	7.0	20.4
1 12	7 51.63	+10 29.4	1.995	2.963	4.1	20.2
1 22	7 42.88	+10 28.7	1.996	2.966	3.9	20.2
2 1	7 34.67	+10 35.4	2.026	2.969	6.7	20.4
2 11	7 27.89	+10 47.4	2.084	2.972	9.9	20.6
2 21	7 23.13	+11 2.4	2.165	2.975	12.8	20.8

426388 2013 PG_{24} 1 16.1 180°.50 2°.0/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.89	+14 14.7	2.099	2.905	13.1	22.0
12 23	8 7.71	+14 20.8	2.017	2.906	10.0	21.8
1 2	8 0.45	+14 36.7	1.960	2.906	6.4	21.6
1 12	7 51.79	+15 0.4	1.929	2.906	2.9	21.3
1 22	7 42.64	+15 29.5	1.929	2.906	2.9	21.3
2 1	7 34.03	+16 0.9	1.958	2.905	6.5	21.6
2 11	7 26.90	+16 31.9	2.014	2.905	10.1	21.8
2 21	7 21.90	+17 0.5	2.095	2.904	13.2	22.0

26141 1994 GR_{2} 1 16.1 152°.99 0°.2/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 19.15	+19 29.6	1.780	2.596	14.7	20.4
12 23	8 12.69	+20 1.0	1.708	2.605	11.0	20.2
1 2	8 3.59	+20 39.9	1.660	2.613	6.7	20.0
1 12	7 52.73	+21 21.7	1.639	2.620	1.9	19.7
1 22	7 41.30	+22 1.6	1.649	2.627	2.9	19.8
2 1	7 30.64	+22 35.7	1.687	2.633	7.5	20.1
2 11	7 21.97	+23 1.9	1.753	2.638	11.6	20.3
2 21	7 16.05	+23 20.0	1.842	2.643	15.1	20.6

110640 2001 TT_{167} 1 16.1 197°.83 4°.3/14.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.32	+33 24.1	2.292	3.104	12.0	19.9
12 23	8 12.59	+34 2.4	2.211	3.101	9.2	19.7
1 2	8 3.44	+34 36.3	2.157	3.097	6.3	19.5
1 12	7 52.68	+35 0.2	2.130	3.093	4.4	19.4
1 22	7 41.37	+35 9.8	2.134	3.089	5.3	19.4
2 1	7 30.74	+35 3.5	2.167	3.084	8.0	19.6
2 11	7 21.88	+34 42.4	2.227	3.079	10.9	19.8
2 21	7 15.53	+34 9.7	2.310	3.072	13.6	19.9

24462 2000 SS_{107} 1 16.1 251°.61 1°.4/15.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.41	+24 49.7	2.607	3.423	10.6	19.7
12 23	8 7.14	+25 11.2	2.516	3.413	7.9	19.5
1 2	8 0.02	+25 34.3	2.450	3.403	4.8	19.3
1 12	7 51.66	+25 55.6	2.414	3.393	1.8	19.1
1 22	7 42.84	+26 12.5	2.409	3.383	2.7	19.1
2 1	7 34.44	+26 22.8	2.433	3.373	5.9	19.3
2 11	7 27.29	+26 25.9	2.486	3.363	9.0	19.5
2 21	7 22.02	+26 22.2	2.564	3.352	11.7	19.7

54146 2000 HY_{40} 1 16.1 108°.32 4°.2/14.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.84	+31 34.0	1.980	2.799	13.3	19.1
12 23	8 13.04	+32 18.1	1.922	2.816	10.1	18.9
1 2	8 3.69	+32 58.3	1.888	2.833	6.7	18.7
1 12	7 52.73	+33 28.4	1.882	2.849	4.3	18.6
1 22	7 41.39	+33 43.9	1.905	2.865	5.3	18.7
2 1	7 30.99	+33 43.4	1.957	2.881	8.3	18.9
2 11	7 22.64	+33 28.1	2.036	2.896	11.4	19.2
2 21	7 17.02	+33 1.5	2.137	2.910	14.2	19.4

472449 2015 BV_{325} 1 16.1 84°.36 0°.6/15.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.09	+21 10.8	2.192	3.010	12.2	20.9
12 23	8 7.75	+21 39.3	2.124	3.022	9.1	20.7
1 2	8 0.40	+22 12.3	2.080	3.034	5.4	20.5
1 12	7 51.77	+22 46.2	2.066	3.046	1.6	20.3
1 22	7 42.76	+23 17.6	2.081	3.058	2.5	20.4
2 1	7 34.38	+23 43.7	2.126	3.070	6.3	20.7
2 11	7 27.51	+24 3.0	2.198	3.082	9.7	20.9
2 21	7 22.75	+24 15.3	2.295	3.094	12.5	21.1

185529 2007 WE_{12} 1 16.1 83°.36 0°.4/15.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 11.63	+19 41.6	2.323	3.138	11.7	20.1
12 23	8 6.62	+20 23.9	2.250	3.148	8.7	19.9
1 2	7 59.72	+21 12.3	2.203	3.157	5.2	19.7
1 12	7 51.58	+22 3.1	2.185	3.166	1.5	19.5
1 22	7 43.03	+22 52.3	2.197	3.175	2.4	19.6
2 1	7 35.00	+23 36.5	2.240	3.185	6.0	19.8
2 11	7 28.34	+24 13.5	2.310	3.194	9.3	20.1
2 21	7 23.65	+24 42.5	2.405	3.203	12.1	20.3

193950 2001 RP_{56} 1 16.1 206°.68 2°.6/15.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.56	+26 17.2	1.846	2.665	14.1	21.8
12 23	8 13.94	+26 50.6	1.762	2.660	10.6	21.5
1 2	8 4.48	+27 25.4	1.702	2.654	6.6	21.3
1 12	7 53.05	+27 55.9	1.670	2.648	3.0	21.0
1 22	7 40.87	+28 17.0	1.668	2.640	4.1	21.1
2 1	7 29.39	+28 25.7	1.695	2.632	8.3	21.3
2 11	7 19.95	+28 22.0	1.748	2.623	12.2	21.5
2 21	7 13.39	+28 8.0	1.824	2.613	15.7	21.7

460933 2014 WG_{234} 1 16.1 88°.93 0°.2/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.16	+20 19.5	1.923	2.743	13.6	20.8
12 23	8 9.56	+20 20.5	1.847	2.746	10.2	20.6
1 2	8 1.62	+20 26.3	1.796	2.749	6.2	20.3
1 12	7 52.16	+20 34.2	1.772	2.752	1.8	20.1
1 22	7 42.23	+20 41.4	1.777	2.756	2.6	20.1
2 1	7 33.00	+20 45.9	1.811	2.759	6.9	20.4
2 11	7 25.52	+20 46.7	1.873	2.762	10.8	20.6
2 21	7 20.47	+20 43.7	1.957	2.766	14.1	20.9

296545 2009 PH_{5} 1 16.1 113°.19 1°.6/15.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 10.13	+27 24.5	3.532	4.342	8.2	21.3
12 23	8 4.93	+27 42.2	3.461	4.355	6.1	21.2
1 2	7 58.44	+27 59.1	3.418	4.368	3.8	21.0
1 12	7 51.17	+28 13.0	3.405	4.381	1.8	20.9
1 22	7 43.69	+28 22.0	3.423	4.394	2.4	21.0
2 1	7 36.62	+28 25.2	3.473	4.406	4.6	21.1
2 11	7 30.51	+28 22.3	3.551	4.418	6.8	21.3
2 21	7 25.78	+28 13.8	3.655	4.430	8.8	21.4

316277 2010 PW_{52} 1 16.1 99°.03 7°.0/13.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 26.13	+40 35.1	1.998	2.799	13.9	20.5
12 23	8 17.78	+41 22.6	1.950	2.823	11.1	20.4
1 2	8 6.53	+41 57.9	1.926	2.847	8.5	20.3
1 12	7 53.55	+42 13.7	1.930	2.870	7.0	20.2
1 22	7 40.35	+42 5.9	1.962	2.892	7.7	20.3
2 1	7 28.46	+41 35.0	2.022	2.914	9.9	20.5
2 11	7 19.12	+40 45.2	2.107	2.935	12.4	20.7
2 21	7 12.94	+39 42.7	2.214	2.956	14.7	20.9

450993 2008 TK_{48} 1 16.1 166°.47 3°.7/14.7 18

12 13	8 22.44	+29 26.6	1.872	2.689	14.0	22.0
12 23	8 15.23	+30 10.4	1.800	2.695	10.6	21.8
1 2	8 5.19	+30 52.6	1.752	2.701	6.9	21.6
1 12	7 53.23	+31 26.5	1.733	2.705	3.9	21.4
1 22	7 40.69	+31 46.9	1.743	2.708	5.0	21.5
2 1	7 29.01	+31 51.1	1.782	2.711	8.6	21.7
2 11	7 19.51	+31 40.3	1.848	2.713	12.2	21.9
2 21	7 12.96	+31 17.8	1.937	2.714	15.3	22.1

299010 2004 XT_{111} 1 16.1 26°.99 3°.8/17.1 17

12 13	8 13.89	+13 55.9	1.096	1.940	20.1	20.4
12 23	8 9.65	+13 25.6	1.045	1.951	15.4	20.2
1 2	8 2.06	+13 10.8	1.013	1.965	10.0	19.9
1 12	7 52.32	+13 10.9	1.003	1.979	5.0	19.7
1 22	7 42.08	+13 23.1	1.018	1.995	4.9	19.8
2 1	7 33.10	+13 43.5	1.057	2.011	9.7	20.1
2 11	7 26.81	+14 7.7	1.119	2.029	14.5	20.4
2 21	7 23.96	+14 31.7	1.200	2.048	18.7	20.7

82007 2000 RU_{34} 1 16.1 150°.06 1°.7/15.2 18

12 13	8 13.24	+26 17.0	2.726	3.540	10.2	19.9
12 23	8 7.59	+26 35.5	2.649	3.545	7.6	19.7
1 2	8 0.21	+26 53.9	2.598	3.549	4.7	19.5
1 12	7 51.72	+27 9.3	2.576	3.554	2.0	19.3
1 22	7 42.90	+27 19.1	2.585	3.558	2.8	19.4
2 1	7 34.59	+27 21.9	2.625	3.562	5.7	19.6
2 11	7 27.56	+27 17.5	2.693	3.565	8.5	19.8
2 21	7 22.35	+27 6.6	2.786	3.569	11.0	20.0

369854 2012 JO_{58} 1 16.1 93°.90 0°.2/15.9 18

12 13	8 14.47	+20 15.5	1.954	2.774	13.4	21.2
12 23	8 9.00	+20 38.4	1.884	2.783	10.0	21.0
1 2	8 1.27	+21 7.0	1.838	2.792	6.0	20.8
1 12	7 52.06	+21 37.8	1.820	2.801	1.8	20.6
1 22	7 42.41	+22 7.0	1.831	2.809	2.6	20.6
2 1	7 33.44	+22 31.5	1.871	2.818	6.8	20.9
2 11	7 26.18	+22 49.8	1.938	2.826	10.6	21.2
2 21	7 21.30	+23 1.3	2.029	2.835	13.7	21.4

278938 2008 UW_{27} 1 16.1 44°.64 4°.1/17.8 18

12 13	8 11.94	+ 9 39.9	1.827	2.629	15.0	20.0
12 23	8 7.07	+ 9 24.6	1.764	2.645	11.7	19.9
1 2	8 0.06	+ 9 23.2	1.724	2.660	8.0	19.7
1 12	7 51.69	+ 9 35.3	1.710	2.677	4.8	19.5
1 22	7 42.97	+ 9 58.9	1.724	2.693	4.5	19.5
2 1	7 34.97	+10 30.9	1.766	2.710	7.3	19.7
2 11	7 28.64	+11 7.3	1.834	2.727	10.7	20.0
2 21	7 24.58	+11 44.8	1.925	2.745	13.8	20.2

169376 2001 UA_{174} 1 16.1 181°.49 3°.9/13.9 18

12 13	8 14.18	+32 27.3	2.557	3.373	10.8	20.5
12 23	8 8.59	+33 16.6	2.481	3.374	8.2	20.3
1 2	8 0.96	+34 2.9	2.431	3.374	5.6	20.1
1 12	7 51.97	+34 41.5	2.410	3.374	4.0	20.0
1 22	7 42.52	+35 8.4	2.419	3.374	4.8	20.1
2 1	7 33.60	+35 21.4	2.457	3.373	7.2	20.2
2 11	7 26.13	+35 20.8	2.522	3.373	9.8	20.4
2 21	7 20.75	+35 8.4	2.611	3.372	12.2	20.6

27440 Colekendrick 1 16.1 122°.31 1°.3/15.5 18

12 13	8 16.57	+22 53.4	2.028	2.846	13.1	19.0
12 23	8 10.51	+23 31.0	1.961	2.859	9.7	18.8
1 2	8 2.15	+24 12.4	1.919	2.872	5.8	18.6
1 12	7 52.32	+24 52.9	1.905	2.885	2.0	18.3
1 22	7 42.05	+25 28.0	1.921	2.897	3.1	18.4
2 1	7 32.51	+25 54.9	1.967	2.908	7.0	18.7
2 11	7 24.70	+26 12.2	2.040	2.920	10.5	18.9
2 21	7 19.31	+26 20.7	2.137	2.930	13.5	19.2

290787 2005 VH_{46} 1 16.1 32°.78 2°.3/17.1 18

12 13	8 12.45	+13 34.5	1.722	2.538	15.1	20.6
12 23	8 7.74	+13 43.7	1.650	2.543	11.5	20.4
1 2	8 0.62	+14 5.3	1.600	2.548	7.4	20.2
1 12	7 51.90	+14 37.4	1.577	2.553	3.4	20.0
1 22	7 42.65	+15 16.4	1.582	2.559	3.3	20.0
2 1	7 34.08	+15 58.3	1.615	2.565	7.3	20.2
2 11	7 27.30	+16 39.3	1.674	2.571	11.4	20.5
2 21	7 23.01	+17 16.5	1.755	2.577	14.8	20.7

251114 2006 SO_{332} 1 16.1 62°.26 4°.1/14.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 18.79	+29 29.2	1.570	2.403	15.5	20.4
12 23	8 12.73	+30 12.6	1.517	2.421	11.6	20.2
1 2	8 3.70	+30 53.8	1.487	2.438	7.5	20.0
1 12	7 52.78	+31 25.6	1.483	2.456	4.3	19.9
1 22	7 41.46	+31 42.7	1.507	2.474	5.5	20.0
2 1	7 31.29	+31 43.1	1.558	2.491	9.2	20.3
2 11	7 23.55	+31 28.3	1.634	2.509	12.9	20.5
2 21	7 18.93	+31 1.8	1.731	2.527	16.1	20.8

433547 2013 WR_{109} 1 16.1 96°.04 4°.0/13.7 18

12 13	8 14.86	+30 31.5	2.239	3.061	11.9	21.1
12 23	8 9.29	+31 41.8	2.174	3.071	9.0	20.9
1 2	8 1.47	+32 50.7	2.135	3.081	6.0	20.8
1 12	7 52.14	+33 52.1	2.125	3.091	4.1	20.7
1 22	7 42.32	+34 40.7	2.144	3.101	5.1	20.7
2 1	7 33.12	+35 13.4	2.192	3.110	7.8	20.9
2 11	7 25.56	+35 30.2	2.267	3.120	10.7	21.1
2 21	7 20.33	+35 32.8	2.364	3.129	13.2	21.3

69912 1998 SE_{156} 1 16.1 112°.71 1°.0/15.6 18

12 13	8 13.87	+22 44.1	2.132	2.953	12.5	19.7
12 23	8 8.48	+23 7.5	2.056	2.956	9.2	19.5
1 2	8 0.94	+23 34.2	2.005	2.959	5.6	19.3
1 12	7 51.99	+24 0.8	1.982	2.963	1.8	19.1
1 22	7 42.58	+24 23.6	1.989	2.966	2.8	19.1
2 1	7 33.78	+24 40.2	2.026	2.969	6.6	19.4
2 11	7 26.56	+24 49.6	2.089	2.973	10.1	19.6
2 21	7 21.57	+24 51.8	2.177	2.976	13.1	19.8

340601 2006 QQ_{39} 1 16.1 108°.33 0°.5/15.7 16

12 13	8 13.12	+18 30.9	2.658	3.461	10.8	20.9
12 23	8 7.53	+19 41.9	2.586	3.478	7.9	20.7
1 2	8 0.21	+20 59.6	2.542	3.494	4.8	20.6
1 12	7 51.76	+22 19.7	2.529	3.510	1.4	20.3
1 22	7 42.91	+23 37.7	2.548	3.525	2.2	20.4
2 1	7 34.49	+24 49.4	2.599	3.540	5.5	20.7
2 11	7 27.28	+25 52.0	2.680	3.555	8.5	20.9
2 21	7 21.84	+26 44.4	2.787	3.570	11.0	21.1

160877 2001 OP_{77} 1 16.1 67°.66 3°.5/15.4 18

12 13	8 23.84	+33 18.6	2.131	2.939	12.9	19.2
12 23	8 15.57	+33 4.1	2.071	2.959	9.8	19.1
1 2	8 4.98	+32 41.9	2.036	2.980	6.4	18.9
1 12	7 53.10	+32 8.6	2.031	3.001	3.7	18.8
1 22	7 41.14	+31 22.6	2.056	3.021	4.4	18.9
2 1	7 30.34	+30 25.5	2.112	3.042	7.3	19.1
2 11	7 21.66	+29 20.5	2.196	3.063	10.4	19.3
2 21	7 15.63	+28 11.6	2.305	3.083	13.1	19.5

129396 1424 $T\text{-}_2$ 1 16.1 50°.19 0°.5/16.2 17

12 13	8 17.68	+19 22.2	1.223	2.064	18.6	20.1
12 23	8 12.29	+19 27.0	1.170	2.079	13.9	19.8
1 2	8 3.60	+19 40.7	1.138	2.095	8.4	19.6
1 12	7 52.80	+19 59.1	1.130	2.111	2.6	19.3
1 22	7 41.52	+20 17.6	1.148	2.128	3.5	19.4
2 1	7 31.52	+20 32.4	1.193	2.145	9.0	19.7
2 11	7 24.22	+20 41.9	1.260	2.162	13.9	20.1
2 21	7 20.35	+20 45.7	1.349	2.180	18.0	20.4

66313 1999 JQ_{43} 1 16.1 215°.92 2°.3/16.8 18

12 13	8 17.06	+15 19.8	1.766	2.577	15.0	18.8
12 23	8 11.23	+15 6.9	1.682	2.573	11.5	18.6
1 2	8 2.81	+15 3.1	1.620	2.568	7.4	18.3
1 12	7 52.59	+15 7.0	1.586	2.563	3.2	18.1
1 22	7 41.71	+15 16.5	1.580	2.557	3.4	18.1
2 1	7 31.48	+15 29.2	1.603	2.551	7.6	18.3
2 11	7 23.09	+15 42.9	1.653	2.544	11.8	18.5
2 21	7 17.35	+15 55.8	1.725	2.537	15.5	18.8

278450 2007 TR_6 1 16.1 119°.98 5°.6/19.3 18

12 13	8 11.34	+ 0 41.8	2.784	3.524	11.9	20.4
12 23	8 5.98	+ 0 13.2	2.713	3.541	9.8	20.3
1 2	7 59.16	− 0 1.5	2.664	3.557	7.7	20.1
1 12	7 51.43	− 0 1.3	2.643	3.572	6.0	20.0
1 22	7 43.45	+ 0 13.2	2.651	3.587	5.6	20.0
2 1	7 35.90	+ 0 40.3	2.689	3.602	6.8	20.1
2 11	7 29.44	+ 1 17.2	2.754	3.617	8.7	20.3
2 21	7 24.54	+ 2 0.1	2.844	3.630	10.7	20.4

310049 2010 HU_{78} 1 16.1 190°.89 1°.7/16.9 18

12 13	8 15.57	+13 27.6	1.897	2.701	14.4	21.3
12 23	8 10.00	+14 1.4	1.813	2.701	11.0	21.0
1 2	8 2.02	+14 48.5	1.752	2.699	7.0	20.8
1 12	7 52.36	+15 45.8	1.720	2.697	2.9	20.5
1 22	7 42.04	+16 48.8	1.717	2.695	2.9	20.5
2 1	7 32.25	+17 52.3	1.744	2.692	7.1	20.8
2 11	7 24.12	+18 52.1	1.798	2.688	11.1	21.0
2 21	7 18.44	+19 45.1	1.876	2.684	14.6	21.2

313812 2004 BD_{65} 1 16.1 42°.32 0°.8/15.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.02	+18 16.6	1.489	2.322	16.2	20.6
12 23	8 9.37	+19 29.6	1.423	2.329	12.1	20.3
1 2	8 1.84	+20 55.6	1.381	2.338	7.3	20.1
1 12	7 52.33	+22 27.5	1.365	2.346	2.1	19.8
1 22	7 42.12	+23 56.7	1.377	2.355	3.5	19.9
2 1	7 32.71	+25 15.7	1.417	2.364	8.5	20.2
2 11	7 25.44	+26 20.2	1.482	2.374	12.9	20.5
2 21	7 21.16	+27 8.9	1.569	2.384	16.7	20.8

261074 2005 SK_{209} 1 16.1 39°.55 12°.4/22.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 11.15	−11 38.8	1.817	2.517	18.6	20.4
12 23	8 6.68	−12 42.2	1.748	2.522	16.6	20.2
1 2	7 59.97	−13 17.0	1.697	2.527	14.6	20.1
1 12	7 51.74	−13 18.2	1.666	2.532	13.0	20.0
1 22	7 42.98	−12 44.3	1.657	2.537	12.4	20.0
2 1	7 34.81	−11 37.6	1.672	2.542	12.9	20.0
2 11	7 28.26	−10 5.1	1.711	2.548	14.4	20.1
2 21	7 24.02	− 8 15.9	1.770	2.553	16.3	20.3

154277 2002 SD_{56} 1 16.1 74°.00 7°.8/20.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.65	− 0 39.5	1.709	2.473	17.4	20.3
12 23	8 7.81	− 0 54.4	1.641	2.484	14.4	20.2
1 2	8 0.64	− 0 45.0	1.593	2.495	11.3	20.0
1 12	7 51.93	− 0 9.8	1.570	2.506	8.7	19.9
1 22	7 42.75	+ 0 49.2	1.572	2.517	7.9	19.8
2 1	7 34.24	+ 2 7.2	1.601	2.529	9.5	20.0
2 11	7 27.48	+ 3 36.8	1.656	2.540	12.3	20.2
2 21	7 23.14	+ 5 10.4	1.734	2.551	15.2	20.4

205028 1998 EH_6 1 16.1 261°.74 6°.0/19.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 9.32	− 1 3.7	2.708	3.444	12.3	20.8
12 23	8 4.77	− 1 13.5	2.604	3.427	10.3	20.6
1 2	7 58.61	− 1 7.0	2.522	3.411	8.2	20.4
1 12	7 51.33	− 0 43.2	2.467	3.394	6.5	20.3
1 22	7 43.57	− 0 2.5	2.440	3.376	6.1	20.3
2 1	7 36.07	+ 0 52.9	2.443	3.359	7.2	20.3
2 11	7 29.56	+ 1 59.2	2.473	3.341	9.4	20.4
2 21	7 24.61	+ 3 12.0	2.528	3.323	11.6	20.5

85720 1998 SK_{60} 1 16.1 73°.70 3°.4/14.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 22.34	+28 14.5	1.657	2.481	15.3	19.2
12 23	8 14.98	+28 56.4	1.615	2.515	11.3	19.0
1 2	8 4.85	+29 36.3	1.598	2.549	7.1	18.9
1 12	7 53.11	+30 7.4	1.608	2.583	3.7	18.7
1 22	7 41.20	+30 25.1	1.647	2.616	4.8	18.9
2 1	7 30.57	+30 27.9	1.715	2.649	8.4	19.2
2 11	7 22.38	+30 17.4	1.808	2.681	12.0	19.5
2 21	7 17.20	+29 56.8	1.924	2.712	15.0	19.7

452282 2015 TU_{199} 1 16.1 179°.57 1°.7/15.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 21.38	+24 9.4	1.761	2.580	14.7	22.0
12 23	8 14.54	+24 34.7	1.683	2.582	11.0	21.8
1 2	8 4.85	+25 2.9	1.630	2.583	6.7	21.5
1 12	7 53.22	+25 28.7	1.604	2.584	2.4	21.3
1 22	7 40.93	+25 47.3	1.608	2.583	3.6	21.3
2 1	7 29.45	+25 56.1	1.641	2.582	8.1	21.6
2 11	7 20.10	+25 54.6	1.700	2.580	12.2	21.8
2 21	7 13.70	+25 44.6	1.782	2.578	15.8	22.1

18280 4245 T-3 1 16.1 32°.34 4°.8/14.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.30	+28 9.3	1.295	2.143	17.3	17.3
12 23	8 11.58	+29 22.7	1.239	2.151	13.0	17.1
1 2	8 3.39	+30 37.6	1.205	2.160	8.4	16.9
1 12	7 52.82	+31 44.1	1.196	2.169	5.0	16.7
1 22	7 41.53	+32 33.5	1.212	2.179	6.5	16.8
2 1	7 31.39	+33 0.9	1.255	2.190	10.7	17.1
2 11	7 23.99	+33 6.9	1.320	2.201	15.0	17.3
2 21	7 20.18	+32 55.4	1.404	2.212	18.6	17.6

105295 2000 QN_{50} 1 16.1 91°.58 0°.5/16.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.80	+18 11.1	1.599	2.419	15.9	20.3
12 23	8 12.47	+18 34.0	1.542	2.441	11.9	20.1
1 2	8 3.46	+19 5.5	1.509	2.463	7.2	19.9
1 12	7 52.76	+19 41.4	1.503	2.484	2.2	19.6
1 22	7 41.68	+20 16.9	1.526	2.505	2.9	19.7
2 1	7 31.62	+20 48.2	1.577	2.526	7.7	20.0
2 11	7 23.74	+21 13.2	1.654	2.546	11.8	20.3
2 21	7 18.72	+21 31.2	1.754	2.565	15.3	20.6

135556 2002 EM_{74} 1 16.1 234°.70 4°.8/18.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.93	+ 7 21.5	1.970	2.753	14.7	20.7
12 23	8 9.49	+ 7 6.6	1.874	2.741	11.8	20.5
1 2	8 1.73	+ 7 6.5	1.801	2.729	8.4	20.2
1 12	7 52.32	+ 7 21.7	1.754	2.715	5.5	20.0
1 22	7 42.20	+ 7 50.9	1.737	2.701	5.1	20.0
2 1	7 32.50	+ 8 31.5	1.748	2.687	7.9	20.1
2 11	7 24.30	+ 9 19.3	1.786	2.672	11.4	20.3
2 21	7 18.40	+10 9.9	1.848	2.656	14.8	20.5

506363 2017 QG_{16} 1 16.1 110°.11 1°.2/15.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.39	+25 6.4	3.590	4.399	8.1	21.7
12 23	8 4.39	+25 32.5	3.521	4.415	6.0	21.5
1 2	7 58.16	+25 59.2	3.480	4.431	3.6	21.4
1 12	7 51.17	+26 24.2	3.469	4.447	1.5	21.2
1 22	7 43.97	+26 45.5	3.490	4.463	2.1	21.3
2 1	7 37.13	+27 1.7	3.542	4.478	4.4	21.5
2 11	7 31.21	+27 12.1	3.623	4.493	6.6	21.7
2 21	7 26.60	+27 16.9	3.730	4.508	8.5	21.8

755 Quintilla 1 16.1 269°.87 1°.2/16.7 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 10.97	+15 59.6	2.475	3.280	11.4	15.1
12 23	8 6.16	+16 9.0	2.378	3.268	8.6	14.9
1 2	7 59.52	+16 25.7	2.307	3.255	5.4	14.6
1 12	7 51.63	+16 48.0	2.264	3.242	2.1	14.4
1 22	7 43.24	+17 13.6	2.251	3.229	2.3	14.4
2 1	7 35.22	+17 40.2	2.269	3.216	5.7	14.6
2 11	7 28.38	+18 5.5	2.314	3.203	9.0	14.8
2 21	7 23.36	+18 28.1	2.385	3.190	11.9	14.9

517537 2014 SU_{154} 1 16.1 87°.74 1°.8/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.71	+15 8.1	1.908	2.714	14.3	22.4
12 23	8 10.49	+15 13.0	1.851	2.740	10.7	22.2
1 2	8 2.08	+15 27.1	1.818	2.765	6.7	22.0
1 12	7 52.34	+15 48.1	1.812	2.790	2.8	21.8
1 22	7 42.33	+16 12.9	1.836	2.814	2.9	21.9
2 1	7 33.15	+16 38.7	1.890	2.838	6.7	22.2
2 11	7 25.76	+17 3.1	1.971	2.861	10.3	22.4
2 21	7 20.74	+17 24.5	2.076	2.884	13.4	22.7

498908 2009 AW_{23} 1 16.1 153°.02 1°.4/16.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 10.83	+14 8.2	2.496	3.297	11.5	21.3
12 23	8 5.95	+14 37.1	2.414	3.300	8.7	21.1
1 2	7 59.33	+15 15.3	2.356	3.302	5.5	20.9
1 12	7 51.56	+16 0.4	2.327	3.305	2.3	20.7
1 22	7 43.38	+16 49.4	2.329	3.307	2.3	20.7
2 1	7 35.61	+17 39.0	2.362	3.309	5.5	20.9
2 11	7 29.04	+18 26.2	2.423	3.311	8.7	21.1
2 21	7 24.24	+19 9.0	2.509	3.313	11.5	21.3

419210 2009 UD_{113} 1 16.1 79°.33 5°.1/18.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.24	+ 7 17.8	1.956	2.741	14.7	21.1
12 23	8 8.66	+ 6 41.6	1.890	2.757	11.7	20.9
1 2	8 1.00	+ 6 19.5	1.848	2.773	8.4	20.7
1 12	7 52.05	+ 6 12.1	1.832	2.789	5.7	20.6
1 22	7 42.76	+ 6 18.7	1.844	2.805	5.4	20.6
2 1	7 34.16	+ 6 37.2	1.885	2.820	7.7	20.8
2 11	7 27.17	+ 7 4.1	1.952	2.836	10.7	21.0
2 21	7 22.39	+ 7 35.8	2.043	2.851	13.5	21.2

80141 1999 TF_{68} 1 16.1 217°.07 2°.7/17.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.17	+13 48.4	1.538	2.354	16.7	20.6
12 23	8 11.69	+13 48.6	1.457	2.350	12.8	20.3
1 2	8 3.28	+14 1.9	1.398	2.346	8.3	20.1
1 12	7 52.82	+14 26.8	1.365	2.341	3.8	19.8
1 22	7 41.56	+14 59.6	1.359	2.336	3.8	19.8
2 1	7 30.99	+15 36.4	1.381	2.330	8.4	20.0
2 11	7 22.50	+16 13.1	1.428	2.324	13.0	20.3
2 21	7 16.99	+16 46.8	1.497	2.318	17.0	20.5

128647 2004 RC_{39} 1 16.1 82°.51 0°.3/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.61	+20 32.4	1.917	2.738	13.6	20.7
12 23	8 9.18	+20 52.7	1.847	2.747	10.1	20.5
1 2	8 1.44	+21 18.6	1.802	2.756	6.1	20.3
1 12	7 52.21	+21 46.4	1.784	2.765	1.8	20.0
1 22	7 42.52	+22 12.4	1.795	2.773	2.7	20.1
2 1	7 33.54	+22 33.7	1.835	2.782	6.9	20.4
2 11	7 26.31	+22 48.8	1.902	2.791	10.7	20.6
2 21	7 21.49	+22 57.4	1.992	2.799	13.9	20.8

125317 2001 VG_{36} 1 16.1 105°.21 1°.1/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.35	+17 35.4	1.612	2.429	15.9	20.3
12 23	8 12.90	+17 37.6	1.550	2.447	12.0	20.1
1 2	8 3.74	+17 48.1	1.512	2.463	7.4	19.9
1 12	7 52.88	+18 4.0	1.500	2.479	2.5	19.6
1 22	7 41.60	+18 21.8	1.517	2.495	3.0	19.7
2 1	7 31.30	+18 38.6	1.562	2.511	7.7	20.0
2 11	7 23.17	+18 52.4	1.634	2.526	11.9	20.3
2 21	7 17.90	+19 2.4	1.728	2.540	15.5	20.6

28059 Kiliaan 1 16.1 135°.99 2°.5/17.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.30	+10 48.4	2.423	3.212	12.1	18.2
12 23	8 7.01	+11 8.4	2.346	3.222	9.3	18.0
1 2	7 59.95	+11 39.7	2.294	3.232	6.2	17.8
1 12	7 51.75	+12 20.5	2.270	3.241	3.2	17.7
1 22	7 43.18	+13 8.0	2.276	3.250	3.0	17.7
2 1	7 35.08	+13 58.9	2.313	3.258	5.8	17.8
2 11	7 28.24	+14 50.0	2.379	3.266	8.9	18.1
2 21	7 23.22	+15 38.4	2.470	3.274	11.6	18.2

185899 2000 RC_{80} 1 16.1 159°.95 5°.3/18.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.18	+ 3 42.2	2.388	3.148	13.1	20.8
12 23	8 7.66	+ 3 20.6	2.307	3.154	10.6	20.7
1 2	8 0.35	+ 3 13.3	2.250	3.160	8.0	20.5
1 12	7 51.88	+ 3 21.2	2.219	3.165	5.9	20.4
1 22	7 43.01	+ 3 43.4	2.218	3.169	5.4	20.4
2 1	7 34.61	+ 4 17.8	2.246	3.173	7.2	20.5
2 11	7 27.47	+ 5 0.7	2.302	3.176	9.7	20.7
2 21	7 22.18	+ 5 48.4	2.382	3.179	12.2	20.8

40368 1999 NS_{28} 1 16.1 122°.54 1°.5/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.79	+24 22.6	1.773	2.595	14.5	18.9
12 23	8 13.18	+24 38.2	1.707	2.607	10.8	18.7
1 2	8 3.92	+24 55.7	1.664	2.618	6.6	18.5
1 12	7 52.95	+25 10.4	1.649	2.629	2.3	18.2
1 22	7 41.54	+25 18.6	1.663	2.639	3.4	18.3
2 1	7 31.06	+25 18.3	1.706	2.649	7.7	18.6
2 11	7 22.67	+25 9.6	1.776	2.659	11.6	18.9
2 21	7 17.09	+24 54.1	1.869	2.668	15.0	19.1

21007 1988 FD_{3} 1 16.1 245°.88 1°.7/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.91	+24 6.1	1.493	2.325	16.3	18.1
12 23	8 14.03	+24 24.3	1.411	2.316	12.3	17.8
1 2	8 4.86	+24 46.0	1.351	2.307	7.5	17.5
1 12	7 53.33	+25 5.9	1.317	2.297	2.6	17.2
1 22	7 40.89	+25 18.6	1.311	2.287	4.0	17.2
2 1	7 29.26	+25 21.1	1.332	2.277	9.1	17.5
2 11	7 20.01	+25 13.0	1.378	2.267	13.9	17.8
2 21	7 14.13	+24 56.2	1.445	2.257	18.0	18.0

58151 1988 CG_{7} 1 16.1 49°.09 5°.1/18.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.42	+ 8 20.0	1.680	2.481	16.1	18.6
12 23	8 8.36	+ 7 50.3	1.618	2.495	12.7	18.4
1 2	8 0.96	+ 7 36.3	1.578	2.511	9.0	18.2
1 12	7 52.07	+ 7 38.4	1.563	2.526	5.8	18.0
1 22	7 42.80	+ 7 55.0	1.576	2.542	5.4	18.1
2 1	7 34.32	+ 8 23.3	1.616	2.558	8.2	18.3
2 11	7 27.66	+ 8 58.8	1.682	2.574	11.6	18.5
2 21	7 23.48	+ 9 37.5	1.770	2.591	14.8	18.7

10429 van Woerden 1 16.1 28°.60 9°.3/20.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 11.33	− 2 17.8	1.600	2.364	18.4	17.6
12 23	8 7.05	− 2 53.1	1.530	2.369	15.5	17.4
1 2	8 0.32	− 3 2.5	1.480	2.374	12.5	17.3
1 12	7 51.93	− 2 42.9	1.452	2.379	10.1	17.1
1 22	7 42.98	− 1 54.8	1.448	2.385	9.3	17.1
2 1	7 34.70	− 0 42.4	1.470	2.391	10.7	17.2
2 11	7 28.20	+ 0 46.6	1.517	2.398	13.4	17.4
2 21	7 24.25	+ 2 23.6	1.585	2.405	16.3	17.6

399502 2002 TJ_{353} 1 16.1 81°.94 0°.0/16.0 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.49	+20 12.6	1.735	2.553	15.0	22.0
12 23	8 12.73	+20 23.7	1.684	2.581	11.1	21.8
1 2	8 3.50	+20 40.0	1.656	2.609	6.7	21.6
1 12	7 52.80	+20 57.9	1.656	2.637	2.0	21.3
1 22	7 41.86	+21 14.0	1.685	2.664	2.8	21.5
2 1	7 31.97	+21 25.8	1.744	2.691	7.2	21.8
2 11	7 24.16	+21 32.3	1.829	2.717	11.1	22.1
2 21	7 19.04	+21 33.8	1.937	2.743	14.3	22.3

465219 2007 RX_{92} 1 16.1 95°.21 0°.1/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.21	+19 23.1	2.376	3.187	11.6	21.6
12 23	8 7.69	+19 40.4	2.309	3.203	8.6	21.4
1 2	8 0.36	+20 2.6	2.267	3.219	5.2	21.2
1 12	7 51.89	+20 27.1	2.254	3.235	1.6	21.0
1 22	7 43.11	+20 51.0	2.272	3.251	2.2	21.1
2 1	7 34.92	+21 12.2	2.320	3.266	5.7	21.4
2 11	7 28.12	+21 29.0	2.396	3.281	8.9	21.6
2 21	7 23.27	+21 41.1	2.497	3.296	11.6	21.8

192415 1997 LM_{18} 1 16.1 174°.48 2°.6/17.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.33	+11 59.4	2.031	2.824	14.0	21.6
12 23	8 11.11	+12 10.3	1.949	2.828	10.8	21.4
1 2	8 2.62	+12 33.3	1.891	2.831	7.1	21.2
1 12	7 52.60	+13 6.5	1.860	2.833	3.5	20.9
1 22	7 42.03	+13 47.0	1.860	2.835	3.3	20.9
2 1	7 32.03	+14 31.0	1.890	2.835	6.9	21.2
2 11	7 23.63	+15 15.1	1.948	2.835	10.6	21.4
2 21	7 17.53	+15 56.5	2.030	2.833	13.8	21.6

307358 2002 RA_{210} 1 16.1 336°.25 1°.1/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.24	+17 0.7	1.591	2.417	15.7	21.1
12 23	8 9.42	+17 12.0	1.514	2.414	11.9	20.8
1 2	8 1.86	+17 33.6	1.459	2.412	7.4	20.6
1 12	7 52.42	+18 2.5	1.430	2.409	2.6	20.3
1 22	7 42.28	+18 34.8	1.428	2.407	3.0	20.3
2 1	7 32.85	+19 6.4	1.454	2.405	7.9	20.6
2 11	7 25.40	+19 34.2	1.506	2.403	12.4	20.8
2 21	7 20.76	+19 56.7	1.579	2.402	16.2	21.1

355469 2007 VY_{301} 1 16.1 37°.85 21°.5/29.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.07	−19 56.9	0.964	1.683	30.6	20.4
12 23	8 9.72	−21 21.5	0.912	1.686	28.3	20.2
1 2	8 2.59	−21 51.3	0.870	1.690	25.8	20.0
1 12	7 52.72	−21 12.9	0.840	1.695	23.5	19.9
1 22	7 41.82	−19 20.5	0.824	1.700	21.8	19.8
2 1	7 31.96	−16 19.3	0.826	1.706	21.5	19.8
2 11	7 25.00	−12 27.6	0.845	1.711	22.7	19.9
2 21	7 22.01	− 8 10.7	0.883	1.717	24.9	20.1

126615 2002 CR_{148} 1 16.1 202°.06 1°.9/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.34	+14 7.6	2.108	2.907	13.4	21.6
12 23	8 10.40	+14 20.6	2.018	2.902	10.2	21.4
1 2	8 2.22	+14 43.8	1.952	2.897	6.6	21.2
1 12	7 52.50	+15 15.2	1.914	2.891	2.8	20.9
1 22	7 42.16	+15 51.7	1.907	2.884	2.9	20.9
2 1	7 32.30	+16 30.0	1.930	2.876	6.7	21.1
2 11	7 23.96	+17 7.0	1.981	2.868	10.4	21.3
2 21	7 17.85	+17 40.7	2.056	2.859	13.7	21.5

275754 2001 OZ_{36} 1 16.1 160°.18 3°.4/14.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.37	+30 3.2	2.519	3.335	10.9	20.6
12 23	8 8.77	+30 59.7	2.444	3.339	8.2	20.4
1 2	8 1.14	+31 55.2	2.396	3.342	5.4	20.3
1 12	7 52.15	+32 44.6	2.377	3.345	3.5	20.1
1 22	7 42.69	+33 23.6	2.388	3.348	4.4	20.2
2 1	7 33.73	+33 49.6	2.429	3.350	7.0	20.4
2 11	7 26.19	+34 2.3	2.497	3.352	9.8	20.6
2 21	7 20.73	+34 3.0	2.589	3.354	12.2	20.7

332420 2007 RP_{269} 1 16.1 51°.76 4°.1/17.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.04	+ 9 44.4	1.971	2.767	14.3	19.5
12 23	8 7.73	+ 9 15.8	1.912	2.788	11.1	19.3
1 2	8 0.43	+ 8 59.6	1.876	2.810	7.7	19.2
1 12	7 51.91	+ 8 55.8	1.867	2.831	4.8	19.0
1 22	7 43.13	+ 9 3.2	1.886	2.853	4.5	19.0
2 1	7 35.07	+ 9 19.5	1.934	2.875	7.1	19.2
2 11	7 28.60	+ 9 41.7	2.009	2.898	10.2	19.5
2 21	7 24.28	+10 6.7	2.107	2.920	13.0	19.7

348450 2005 QB_{183} 1 16.1 174°.73 0°.7/16.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.56	+18 48.6	1.810	2.621	14.7	21.9
12 23	8 13.77	+18 49.1	1.731	2.624	11.1	21.7
1 2	8 4.34	+18 55.8	1.676	2.627	6.8	21.4
1 12	7 53.13	+19 5.9	1.649	2.629	2.2	21.1
1 22	7 41.34	+19 16.4	1.651	2.630	2.8	21.2
2 1	7 30.31	+19 25.0	1.683	2.630	7.4	21.5
2 11	7 21.24	+19 30.2	1.743	2.630	11.6	21.7
2 21	7 14.90	+19 31.9	1.825	2.628	15.1	21.9

401061 2011 UT_{45} 1 16.1 134°.56 1°.5/15.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.83	+23 40.1	1.926	2.742	13.8	22.1
12 23	8 13.06	+24 11.4	1.860	2.757	10.2	21.9
1 2	8 3.80	+24 45.5	1.818	2.771	6.2	21.7
1 12	7 52.94	+25 17.5	1.804	2.784	2.2	21.5
1 22	7 41.65	+25 43.2	1.821	2.796	3.3	21.6
2 1	7 31.17	+25 59.7	1.867	2.808	7.3	21.8
2 11	7 22.63	+26 6.7	1.941	2.819	11.0	22.1
2 21	7 16.72	+26 5.3	2.037	2.829	14.2	22.3

472668 2015 ER_{8} 1 16.1 356°.14 9°.2/21.9 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 8.17	− 5 39.9	1.762	2.507	17.6	20.6
12 23	8 4.61	− 5 41.1	1.681	2.503	15.1	20.5
1 2	7 58.84	− 5 13.4	1.619	2.500	12.5	20.3
1 12	7 51.52	− 4 14.4	1.579	2.497	10.1	20.1
1 22	7 43.61	− 2 45.4	1.564	2.496	9.2	20.1
2 1	7 36.21	− 0 52.0	1.576	2.496	10.2	20.1
2 11	7 30.36	+ 1 17.0	1.613	2.496	12.6	20.3
2 21	7 26.79	+ 3 31.8	1.674	2.497	15.4	20.5

377117 2002 XA_{78} 1 16.1 67°.79 10°.4/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 25.69	+ 7 43.1	1.090	1.899	22.5	19.7
12 23	8 18.49	+ 5 10.6	1.033	1.910	18.3	19.4
1 2	8 7.52	+ 2 53.1	0.996	1.920	13.9	19.2
1 12	7 54.10	+ 1 0.1	0.982	1.931	10.8	19.1
1 22	7 40.07	− 0 21.0	0.993	1.942	10.9	19.1
2 1	7 27.47	− 1 7.6	1.029	1.953	13.9	19.3
2 11	7 17.96	− 1 23.5	1.086	1.964	17.8	19.6
2 21	7 12.37	− 1 16.7	1.162	1.975	21.4	19.8

81909 2000 NY_{3} 1 16.1 161°.99 3°.6/18.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.35	+ 6 59.0	2.617	3.385	11.9	20.2
12 23	8 7.68	+ 7 8.8	2.533	3.393	9.4	20.0
1 2	8 0.35	+ 7 31.1	2.475	3.399	6.6	19.8
1 12	7 51.92	+ 8 5.1	2.445	3.406	4.2	19.7
1 22	7 43.11	+ 8 48.7	2.446	3.411	3.8	19.7
2 1	7 34.72	+ 9 39.1	2.477	3.416	5.9	19.8
2 11	7 27.50	+10 32.7	2.538	3.420	8.6	20.0
2 21	7 21.99	+11 26.5	2.625	3.423	11.2	20.2

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
225630 2001 DR_{77}			1 16.1 61°.93		0°.7/15.8 18	
	h m	° ′			°	m
12 13	8 14.69	+21 43.7	1.871	2.696	13.8	20.9
12 23	8 9.29	+22 2.3	1.805	2.707	10.2	20.7
1 2	8 1.54	+22 25.2	1.763	2.718	6.2	20.5
1 12	7 52.29	+22 48.9	1.748	2.729	1.8	20.2
1 22	7 42.61	+23 9.5	1.762	2.740	2.8	20.3
2 1	7 33.70	+23 24.5	1.805	2.752	7.0	20.6
2 11	7 26.60	+23 32.8	1.875	2.763	10.8	20.9
2 21	7 21.96	+23 34.6	1.967	2.775	14.0	21.1
378994 2008 UK_{308}			1 16.1 116°.25		1°.1/16.6 18	
12 13	8 14.03	+17 19.1	2.318	3.124	12.1	21.4
12 23	8 8.35	+17 14.2	2.243	3.134	9.1	21.2
1 2	8 0.80	+17 14.9	2.194	3.143	5.6	21.0
1 12	7 52.05	+17 19.8	2.174	3.152	2.1	20.8
1 22	7 42.96	+17 26.9	2.183	3.161	2.4	20.9
2 1	7 34.46	+17 34.5	2.223	3.170	5.9	21.1
2 11	7 27.38	+17 41.2	2.291	3.179	9.2	21.3
2 21	7 22.28	+17 46.2	2.384	3.187	12.0	21.5
220612 2004 PQ_{21}			1 16.1 67°.91		1°.1/16.6 18	
12 13	8 14.10	+15 56.5	1.801	2.618	14.6	20.3
12 23	8 8.84	+16 23.1	1.739	2.635	10.9	20.1
1 2	8 1.27	+16 59.9	1.701	2.652	6.7	19.9
1 12	7 52.21	+17 43.5	1.690	2.670	2.4	19.6
1 22	7 42.76	+18 29.5	1.708	2.687	2.7	19.7
2 1	7 34.07	+19 13.8	1.755	2.705	6.9	20.0
2 11	7 27.18	+19 53.2	1.829	2.722	10.8	20.3
2 21	7 22.71	+20 26.1	1.926	2.740	14.0	20.5
428488 2007 VD_{172}			1 16.1 93°.23		1°.7/17.0 18	
12 13	8 11.79	+14 13.4	2.338	3.140	12.1	21.8
12 23	8 6.70	+14 28.1	2.265	3.152	9.2	21.6
1 2	7 59.81	+14 51.7	2.218	3.164	5.8	21.4
1 12	7 51.77	+15 22.2	2.199	3.176	2.5	21.2
1 22	7 43.39	+15 56.9	2.210	3.188	2.5	21.2
2 1	7 35.53	+16 32.9	2.252	3.199	5.8	21.4
2 11	7 29.00	+17 7.6	2.321	3.211	9.0	21.7
2 21	7 24.35	+17 39.1	2.415	3.222	11.8	21.9
454178 2013 GJ_{37}			1 16.1 298°.03		0°.6/15.9 18	
12 13	8 14.33	+19 33.4	1.501	2.335	16.1	21.3
12 23	8 9.92	+20 13.4	1.413	2.319	12.1	21.0
1 2	8 2.45	+21 4.7	1.347	2.304	7.4	20.7
1 12	7 52.70	+22 2.2	1.307	2.288	2.2	20.3
1 22	7 41.93	+22 59.4	1.294	2.273	3.4	20.4
2 1	7 31.70	+23 50.3	1.309	2.258	8.8	20.6
2 11	7 23.56	+24 30.9	1.348	2.243	13.7	20.9
2 21	7 18.52	+25 0.1	1.408	2.229	17.9	21.1
302082 2000 WZ_{180}			1 16.1 55°.73		4°.4/14.7 17	
12 13	8 20.72	+28 37.3	1.287	2.129	17.7	20.3
12 23	8 14.58	+29 31.1	1.246	2.154	13.2	20.1
1 2	8 5.01	+30 23.2	1.226	2.179	8.4	19.9
1 12	7 53.33	+31 4.8	1.231	2.205	4.7	19.8
1 22	7 41.30	+31 29.2	1.262	2.230	6.0	19.9
2 1	7 30.76	+31 34.1	1.319	2.256	10.1	20.2
2 11	7 23.12	+31 21.7	1.400	2.282	14.2	20.5
2 21	7 19.06	+30 56.4	1.502	2.308	17.7	20.8
457227 2008 KY_{29}			1 16.1 290°.88		4°.4/18.2 17	
12 13	8 12.22	+ 7 28.2	1.813	2.608	15.4	21.5
12 23	8 7.85	+ 7 39.1	1.708	2.583	12.3	21.3
1 2	8 0.98	+ 8 8.6	1.625	2.558	8.7	21.0
1 12	7 52.24	+ 8 56.9	1.567	2.533	5.3	20.7
1 22	7 42.58	+10 1.3	1.538	2.508	4.8	20.6
2 1	7 33.18	+11 17.0	1.536	2.482	8.1	20.8
2 11	7 25.30	+12 38.1	1.562	2.457	12.2	21.0
2 21	7 19.84	+13 58.6	1.610	2.432	16.0	21.1
284190 2006 BH_{1}			1 16.1 314°.35		1°.0/15.8 18	
12 13	8 15.15	+23 34.3	1.859	2.686	13.8	20.3
12 23	8 9.84	+23 40.1	1.776	2.678	10.3	20.0
1 2	8 2.02	+23 48.4	1.717	2.672	6.3	19.8
1 12	7 52.49	+23 55.6	1.684	2.665	2.0	19.5
1 22	7 42.36	+23 58.4	1.681	2.658	3.1	19.6
2 1	7 32.88	+23 55.0	1.706	2.652	7.4	19.8
2 11	7 25.23	+23 44.9	1.757	2.646	11.4	20.0
2 21	7 20.15	+23 29.1	1.831	2.640	14.9	20.3
52676 1998 DF_{16}			1 16.1 26°.36		2°.6/17.7 18	
12 13	8 10.29	+ 9 51.0	2.020	2.820	13.8	18.1
12 23	8 5.93	+10 36.3	1.943	2.825	10.7	17.9
1 2	7 59.52	+11 37.4	1.890	2.831	7.1	17.7
1 12	7 51.73	+12 51.6	1.865	2.838	3.5	17.5
1 22	7 43.46	+14 14.1	1.868	2.844	3.1	17.4
2 1	7 35.68	+15 39.4	1.902	2.851	6.5	17.7
2 11	7 29.35	+17 2.0	1.963	2.858	10.1	17.9
2 21	7 25.11	+18 17.9	2.049	2.866	13.2	18.1

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
502946 2015 EK_{57}			1 16.1 285°.14		11°.1/ 7.3 17	
	h m	° ′			°	m
12 13	8 25.47	+55 42.9	2.449	3.199	13.1	20.6
12 23	8 18.67	+57 28.5	2.385	3.185	11.9	20.5
1 2	8 8.02	+58 57.9	2.344	3.171	11.2	20.5
1 12	7 54.41	+60 1.6	2.327	3.157	11.2	20.4
1 22	7 39.51	+60 33.0	2.334	3.143	11.9	20.4
2 1	7 25.41	+60 30.4	2.364	3.129	13.1	20.5
2 11	7 14.08	+59 57.3	2.413	3.115	14.5	20.6
2 21	7 6.68	+59 0.5	2.480	3.101	15.9	20.7
165517 2001 CZ_{14}			1 16.1 324°.29		1°.1/15.6 18	
12 13	8 14.05	+20 13.8	1.479	2.315	16.1	19.7
12 23	8 9.65	+21 7.4	1.401	2.309	12.1	19.5
1 2	8 2.23	+22 11.8	1.346	2.303	7.3	19.2
1 12	7 52.63	+23 21.2	1.316	2.297	2.3	18.9
1 22	7 42.14	+24 27.9	1.313	2.291	3.7	18.9
2 1	7 32.32	+25 25.5	1.338	2.286	8.8	19.2
2 11	7 24.65	+26 10.3	1.388	2.281	13.5	19.5
2 21	7 20.08	+26 41.4	1.458	2.277	17.5	19.7
309294 2007 RB_{227}			1 16.1 203°.99		1°.6/16.8 18	
12 13	8 16.55	+14 55.9	2.007	2.810	13.8	21.6
12 23	8 10.69	+15 12.8	1.918	2.806	10.5	21.4
1 2	8 2.49	+15 40.0	1.854	2.801	6.7	21.2
1 12	7 52.65	+16 15.0	1.817	2.795	2.7	20.9
1 22	7 42.16	+16 54.5	1.810	2.788	2.8	20.9
2 1	7 32.17	+17 34.8	1.833	2.780	6.9	21.1
2 11	7 23.77	+18 12.6	1.884	2.772	10.8	21.4
2 21	7 17.73	+18 46.1	1.959	2.763	14.2	21.6
491887 2013 BE_{66}			1 16.1 328°.99		2°.7/15.4 17	
12 13	8 17.35	+26 10.4	1.324	2.168	17.2	21.9
12 23	8 12.46	+26 27.5	1.249	2.160	13.0	21.6
1 2	8 4.06	+26 46.1	1.195	2.152	8.1	21.3
1 12	7 53.18	+27 0.0	1.166	2.145	3.3	21.0
1 22	7 41.41	+27 3.7	1.162	2.138	4.7	21.1
2 1	7 30.60	+26 54.3	1.185	2.132	9.8	21.4
2 11	7 22.42	+26 32.7	1.231	2.126	14.8	21.6
2 21	7 17.84	+26 1.7	1.297	2.121	19.0	21.9
288700 2004 QQ_{20}			1 16.1 178°.47		0°.9/16.5 18	
12 13	8 13.78	+16 37.8	2.152	2.961	12.8	21.6
12 23	8 8.45	+17 0.8	2.070	2.962	9.6	21.4
1 2	8 1.02	+17 32.2	2.012	2.962	6.0	21.1
1 12	7 52.19	+18 9.3	1.983	2.963	2.1	20.9
1 22	7 42.85	+18 48.6	1.984	2.963	2.4	20.9
2 1	7 34.01	+19 26.7	2.015	2.963	6.3	21.2
2 11	7 26.65	+20 1.1	2.073	2.962	9.9	21.4
2 21	7 21.42	+20 30.2	2.156	2.961	13.0	21.6
262182 2006 SE_{138}			1 16.1 114°.92		6°.8/13.1 18	
12 13	8 23.07	+38 21.7	2.008	2.817	13.5	21.8
12 23	8 15.78	+39 36.6	1.955	2.835	10.7	21.7
1 2	8 5.60	+40 42.6	1.928	2.853	8.1	21.6
1 12	7 53.54	+41 31.3	1.928	2.871	6.8	21.5
1 22	7 41.00	+41 57.4	1.956	2.887	7.7	21.6
2 1	7 29.48	+41 59.2	2.012	2.904	10.0	21.8
2 11	7 20.27	+41 39.6	2.093	2.919	12.5	22.0
2 21	7 14.11	+41 3.9	2.196	2.934	14.9	22.2
16005 1999 BP_{7}			1 16.1 316°.61		0°.5/15.8 18	
12 13	8 14.57	+12 34.3	1.481	2.301	17.0	17.9
12 23	8 10.50	+14 50.3	1.375	2.273	13.0	17.5
1 2	8 3.16	+17 39.6	1.292	2.246	8.1	17.2
1 12	7 53.07	+20 54.5	1.238	2.219	2.4	16.8
1 22	7 41.31	+24 20.5	1.214	2.192	3.9	16.8
2 1	7 29.51	+27 40.0	1.222	2.166	9.9	17.1
2 11	7 19.50	+30 38.3	1.258	2.141	15.4	17.3
2 21	7 12.72	+33 7.7	1.316	2.117	20.0	17.5
338314 2002 VU_{53}			1 16.1 65°.64		1°.6/15.6 18	
12 13	8 21.22	+21 28.8	1.207	2.046	18.9	20.4
12 23	8 14.93	+22 20.0	1.166	2.075	13.9	20.2
1 2	8 5.22	+23 18.6	1.146	2.104	8.3	20.0
1 12	7 53.42	+24 16.3	1.152	2.132	2.7	19.7
1 22	7 41.28	+25 5.5	1.184	2.161	4.1	19.9
2 1	7 30.63	+25 41.3	1.242	2.190	9.4	20.3
2 11	7 22.88	+26 2.9	1.325	2.218	14.0	20.6
2 21	7 18.71	+26 11.9	1.428	2.246	17.8	21.0
364265 2006 TU_{15}			1 16.1 244°.02		20°.5/23.2 18	
12 13	8 15.96	−16 52.6	1.190	1.895	26.5	21.2
12 23	8 11.56	−19 8.0	1.127	1.891	24.5	21.0
1 2	8 3.66	−20 43.9	1.078	1.886	22.6	20.8
1 12	7 53.13	−21 27.3	1.043	1.882	21.1	20.7
1 22	7 41.44	−21 10.5	1.025	1.877	20.5	20.6
2 1	7 30.47	−19 53.1	1.025	1.872	20.9	20.6
2 11	7 21.98	−17 44.8	1.041	1.867	22.3	20.7
2 21	7 17.10	−15 1.6	1.074	1.862	24.4	20.8

169375 2001 UK_{173} 1 16.1 68°.14 0°.1/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.98	+19 44.3	2.221	3.036	12.2	20.7
12 23	8 7.65	+20 0.6	2.157	3.054	9.0	20.5
1 2	8 0.41	+20 21.9	2.119	3.071	5.5	20.3
1 12	7 51.98	+20 45.3	2.108	3.089	1.6	20.1
1 22	7 43.24	+21 7.9	2.128	3.106	2.3	20.2
2 1	7 35.15	+21 27.5	2.177	3.124	6.0	20.4
2 11	7 28.54	+21 42.5	2.254	3.141	9.3	20.7
2 21	7 23.97	+21 52.5	2.355	3.159	12.1	20.9

347695 2001 VO_{119} 1 16.1 107°.85 0°.7/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.88	+18 23.9	1.736	2.548	15.2	21.2
12 23	8 13.85	+18 33.2	1.678	2.571	11.4	21.0
1 2	8 4.27	+18 49.6	1.643	2.595	6.9	20.8
1 12	7 53.13	+19 9.7	1.637	2.617	2.2	20.5
1 22	7 41.66	+19 29.8	1.660	2.639	2.8	20.6
2 1	7 31.18	+19 47.2	1.712	2.659	7.3	20.9
2 11	7 22.80	+20 0.3	1.792	2.680	11.3	21.2
2 21	7 17.16	+20 8.9	1.894	2.699	14.6	21.5

404500 2013 HA_{32} 1 16.1 355°.76 2°.1/16.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.40	+17 44.6	1.234	2.076	18.3	20.6
12 23	8 10.14	+17 16.8	1.164	2.072	13.9	20.3
1 2	8 2.58	+16 57.8	1.114	2.069	8.8	20.0
1 12	7 52.74	+16 46.4	1.088	2.067	3.4	19.7
1 22	7 42.13	+16 40.4	1.087	2.066	3.8	19.7
2 1	7 32.49	+16 37.7	1.112	2.066	9.3	20.0
2 11	7 25.35	+16 36.4	1.159	2.067	14.4	20.3
2 21	7 21.61	+16 35.0	1.227	2.069	18.7	20.6

164617 1990 RP_{7} 1 16.1 70°.21 0°.1/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.22	+19 13.8	2.299	3.105	12.1	21.1
12 23	8 9.78	+19 35.5	2.253	3.145	8.9	21.0
1 2	8 1.55	+20 1.8	2.233	3.184	5.4	20.8
1 12	7 52.28	+20 29.8	2.242	3.223	1.6	20.6
1 22	7 42.88	+20 56.4	2.282	3.261	2.2	20.7
2 1	7 34.26	+21 19.3	2.353	3.299	5.7	21.0
2 11	7 27.19	+21 37.4	2.453	3.336	8.8	21.3
2 21	7 22.15	+21 50.3	2.577	3.373	11.4	21.5

169310 2001 TQ_{81} 1 16.1 56°.64 0°.6/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.31	+19 2.3	2.120	2.936	12.7	20.1
12 23	8 7.98	+19 2.0	2.052	2.948	9.5	19.9
1 2	8 0.65	+19 7.0	2.009	2.961	5.8	19.7
1 12	7 52.07	+19 14.9	1.994	2.975	1.9	19.5
1 22	7 43.15	+19 23.7	2.009	2.988	2.3	19.6
2 1	7 34.91	+19 31.2	2.053	3.001	6.2	19.8
2 11	7 28.21	+19 36.4	2.125	3.015	9.6	20.1
2 21	7 23.63	+19 38.6	2.220	3.029	12.6	20.3

20342 Trinh 1 16.1 172°.03 1°.7/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.36	+15 4.7	2.015	2.824	13.5	19.1
12 23	8 8.24	+15 11.3	1.934	2.824	10.2	18.8
1 2	8 0.94	+15 27.3	1.877	2.825	6.5	18.6
1 12	7 52.20	+15 50.7	1.848	2.825	2.7	18.4
1 22	7 42.94	+16 18.9	1.848	2.825	2.8	18.4
2 1	7 34.23	+16 48.6	1.877	2.826	6.6	18.6
2 11	7 27.07	+17 17.3	1.933	2.826	10.3	18.8
2 21	7 22.14	+17 43.1	2.013	2.826	13.6	19.1

290868 2005 WA_{56} 1 16.1 92°.28 0°.7/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.75	+18 4.5	1.978	2.791	13.6	21.7
12 23	8 9.88	+18 16.6	1.915	2.809	10.1	21.5
1 2	8 1.83	+18 35.6	1.876	2.827	6.2	21.3
1 12	7 52.42	+18 58.5	1.865	2.845	2.0	21.1
1 22	7 42.67	+19 22.2	1.884	2.863	2.5	21.1
2 1	7 33.67	+19 44.0	1.932	2.880	6.5	21.4
2 11	7 26.38	+20 2.0	2.007	2.897	10.2	21.7
2 21	7 21.41	+20 15.5	2.107	2.913	13.3	21.9

214385 2005 LO_{49} 1 16.1 118°.72 1°.2/16.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.63	+15 33.2	1.991	2.798	13.7	20.9
12 23	8 9.84	+15 58.3	1.922	2.812	10.3	20.7
1 2	8 1.86	+16 33.0	1.877	2.826	6.4	20.5
1 12	7 52.45	+17 14.4	1.861	2.840	2.4	20.3
1 22	7 42.61	+17 58.4	1.874	2.853	2.6	20.3
2 1	7 33.45	+18 41.4	1.917	2.865	6.6	20.6
2 11	7 25.94	+19 20.3	1.988	2.877	10.3	20.8
2 21	7 20.73	+19 53.5	2.083	2.889	13.4	21.1

34936 6861 $P–L$ 1 16.1 218°.04 0°.1/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.08	+18 56.4	1.994	2.811	13.3	19.4
12 23	8 8.89	+19 22.8	1.911	2.809	10.0	19.2
1 2	8 1.40	+19 56.7	1.853	2.806	6.1	19.0
1 12	7 52.35	+20 34.6	1.823	2.803	1.8	18.7
1 22	7 42.71	+21 12.5	1.822	2.801	2.6	18.7
2 1	7 33.62	+21 46.8	1.850	2.798	6.8	19.0
2 11	7 26.14	+22 15.3	1.906	2.795	10.7	19.2
2 21	7 20.98	+22 36.8	1.985	2.791	14.0	19.4

411782 2012 CA_{10} 1 16.1 82°.80 0°.2/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.02	+21 17.1	1.722	2.546	14.8	21.1
12 23	8 11.25	+21 19.9	1.651	2.552	11.0	20.9
1 2	8 2.86	+21 27.3	1.604	2.558	6.7	20.7
1 12	7 52.77	+21 35.8	1.583	2.564	2.0	20.4
1 22	7 42.18	+21 42.3	1.591	2.570	2.9	20.5
2 1	7 32.41	+21 44.7	1.628	2.576	7.5	20.8
2 11	7 24.65	+21 42.1	1.691	2.582	11.6	21.0
2 21	7 19.61	+21 34.8	1.777	2.588	15.1	21.3

404451 2013 GN_{107} 1 16.1 278°.26 3°.5/17.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.99	+11 22.1	1.638	2.448	16.0	21.4
12 23	8 9.26	+11 22.1	1.551	2.438	12.5	21.1
1 2	8 1.85	+11 37.2	1.485	2.428	8.4	20.9
1 12	7 52.53	+12 6.5	1.446	2.418	4.5	20.6
1 22	7 42.42	+12 47.0	1.433	2.408	4.2	20.6
2 1	7 32.84	+13 34.7	1.449	2.398	8.1	20.8
2 11	7 25.09	+14 24.6	1.490	2.388	12.5	21.0
2 21	7 20.03	+15 12.9	1.554	2.378	16.3	21.2

132248 2002 EM_{90} 1 16.1 160°.56 0°.7/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.82	+17 11.3	1.878	2.690	14.2	20.1
12 23	8 10.96	+17 35.5	1.802	2.695	10.7	19.9
1 2	8 2.66	+18 8.9	1.749	2.700	6.6	19.7
1 12	7 52.72	+18 47.8	1.724	2.704	2.2	19.4
1 22	7 42.21	+19 28.2	1.729	2.708	2.7	19.4
2 1	7 32.36	+20 6.3	1.763	2.711	7.1	19.7
2 11	7 24.28	+20 39.2	1.824	2.713	11.0	20.0
2 21	7 18.70	+21 5.7	1.909	2.715	14.4	20.2

51103 2000 HX_{12} 1 16.1 132°.44 2°.2/17.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.12	+12 57.1	2.663	3.454	11.1	18.5
12 23	8 6.75	+12 53.4	2.586	3.465	8.5	18.3
1 2	7 59.79	+12 57.5	2.534	3.475	5.6	18.2
1 12	7 51.81	+13 8.6	2.512	3.484	2.8	18.0
1 22	7 43.53	+13 24.8	2.519	3.493	2.7	18.0
2 1	7 35.72	+13 44.5	2.558	3.502	5.4	18.2
2 11	7 29.07	+14 5.5	2.625	3.511	8.2	18.4
2 21	7 24.09	+14 26.3	2.718	3.519	10.7	18.6

305844 2009 EQ_{1} 1 16.1 57°.27 3°.2/17.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.41	+10 23.3	1.437	2.253	17.6	20.0
12 23	8 9.54	+10 52.5	1.378	2.269	13.6	19.8
1 2	8 1.92	+11 40.8	1.341	2.285	8.9	19.5
1 12	7 52.50	+12 44.9	1.328	2.302	4.4	19.3
1 22	7 42.57	+13 59.0	1.343	2.319	4.0	19.3
2 1	7 33.54	+15 16.0	1.385	2.336	8.2	19.6
2 11	7 26.65	+16 29.7	1.453	2.354	12.5	19.9
2 21	7 22.63	+17 35.7	1.543	2.371	16.2	20.2

416048 2002 GR_{29} 1 16.1 40°.62 3°.8/17.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 11.96	+ 9 17.9	1.694	2.500	15.8	21.1
12 23	8 7.43	+ 9 28.6	1.625	2.509	12.3	20.9
1 2	8 0.54	+ 9 56.3	1.579	2.518	8.4	20.7
1 12	7 52.09	+10 39.2	1.558	2.528	4.7	20.5
1 22	7 43.14	+11 33.9	1.565	2.538	4.3	20.5
2 1	7 34.88	+12 35.3	1.600	2.548	7.6	20.7
2 11	7 28.37	+13 38.1	1.661	2.559	11.4	20.9
2 21	7 24.32	+14 37.9	1.745	2.570	14.8	21.2

522459 2016 CY_{320} 1 16.1 138°.07 3°.8/17.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 11.98	+ 9 3.0	2.340	3.126	12.6	21.4
12 23	8 6.88	+ 8 44.4	2.259	3.129	9.9	21.2
1 2	7 59.98	+ 8 36.9	2.202	3.132	7.0	21.0
1 12	7 51.90	+ 8 40.5	2.172	3.135	4.4	20.9
1 22	7 43.43	+ 8 54.1	2.172	3.138	4.1	20.8
2 1	7 35.43	+ 9 15.7	2.201	3.141	6.4	21.0
2 11	7 28.72	+ 9 42.7	2.258	3.144	9.4	21.2
2 21	7 23.86	+10 12.3	2.340	3.147	12.1	21.4

90387 2003 WY_{140} 1 16.1 43°.43 4°.5/13.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.59	+30 14.8	1.915	2.745	13.3	19.0
12 23	8 9.49	+31 29.8	1.853	2.754	10.0	18.8
1 2	8 1.85	+32 44.0	1.816	2.764	6.7	18.6
1 12	7 52.50	+33 49.9	1.807	2.774	4.6	18.5
1 22	7 42.57	+34 41.4	1.826	2.784	5.7	18.6
2 1	7 33.38	+35 15.0	1.873	2.794	8.7	18.8
2 11	7 26.08	+35 30.4	1.945	2.805	11.9	19.0
2 21	7 21.42	+35 30.2	2.039	2.816	14.7	19.2

20522 Yogeshwar 1 16.1 258°.74 5°.9/18.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.25	+ 4 44.5	1.668	2.456	16.8	18.5
12 23	8 8.55	+ 4 40.6	1.587	2.454	13.5	18.2
1 2	8 1.35	+ 4 57.5	1.526	2.451	9.9	18.0
1 12	7 52.38	+ 5 35.8	1.491	2.448	6.8	17.8
1 22	7 42.72	+ 6 33.1	1.482	2.445	6.1	17.8
2 1	7 33.63	+ 7 44.5	1.501	2.442	8.7	17.9
2 11	7 26.29	+ 9 3.6	1.546	2.440	12.4	18.1
2 21	7 21.51	+10 23.6	1.614	2.437	15.9	18.3

131993 2002 CQ_{94} 1 16.1 269°.47 1°.8/15.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.27	+23 35.2	1.629	2.459	15.2	20.6
12 23	8 11.96	+24 5.7	1.541	2.445	11.5	20.3
1 2	8 3.63	+24 41.4	1.476	2.431	7.0	20.0
1 12	7 53.10	+25 16.8	1.437	2.417	2.5	19.7
1 22	7 41.65	+25 46.2	1.426	2.403	3.8	19.7
2 1	7 30.82	+26 5.8	1.444	2.388	8.6	20.0
2 11	7 22.06	+26 14.0	1.486	2.374	13.2	20.2
2 21	7 16.35	+26 11.8	1.550	2.359	17.1	20.4

54000 2000 GN_{90} 1 16.1 298°.58 0°.1/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.69	+17 45.1	1.370	2.206	17.2	19.3
12 23	8 10.41	+18 24.3	1.286	2.193	13.1	19.0
1 2	8 2.88	+19 17.8	1.224	2.180	8.1	18.7
1 12	7 52.92	+20 20.6	1.186	2.167	2.5	18.3
1 22	7 41.88	+21 25.8	1.175	2.154	3.4	18.3
2 1	7 31.44	+22 26.3	1.191	2.142	9.2	18.6
2 11	7 23.26	+23 17.2	1.230	2.130	14.4	18.9
2 21	7 18.40	+23 56.4	1.290	2.118	18.8	19.1

444367 2005 XE_{90} 1 16.1 21°.11 1°.8/15.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.37	+21 58.7	1.219	2.067	18.1	21.3
12 23	8 11.02	+22 46.9	1.157	2.071	13.5	21.1
1 2	8 3.19	+23 44.1	1.116	2.075	8.2	20.8
1 12	7 52.97	+24 42.9	1.099	2.079	2.8	20.5
1 22	7 41.94	+25 35.2	1.107	2.085	4.3	20.6
2 1	7 31.96	+26 15.0	1.142	2.091	9.8	20.9
2 11	7 24.64	+26 40.0	1.199	2.097	14.8	21.2
2 21	7 20.91	+26 50.9	1.276	2.104	18.9	21.5

168589 1999 YU_{27} 1 16.1 41°.09 10°.1/13.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 23.54	+41 19.5	1.276	2.108	18.4	18.1
12 23	8 17.34	+42 37.5	1.239	2.128	14.9	17.9
1 2	8 6.98	+43 39.1	1.223	2.148	11.8	17.8
1 12	7 54.01	+44 12.4	1.230	2.170	10.2	17.8
1 22	7 40.66	+44 10.7	1.261	2.191	11.0	17.9
2 1	7 29.18	+43 34.8	1.315	2.214	13.6	18.1
2 11	7 21.24	+42 32.2	1.391	2.237	16.6	18.4
2 21	7 17.50	+41 12.4	1.486	2.260	19.3	18.6

169275 2001 SK_{211} 1 16.1 146°.78 0°.7/15.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.98	+22 19.8	2.801	3.609	10.1	21.4
12 23	8 7.41	+22 41.1	2.724	3.618	7.5	21.2
1 2	8 0.21	+23 4.9	2.673	3.626	4.5	21.0
1 12	7 51.97	+23 28.6	2.653	3.633	1.4	20.8
1 22	7 43.40	+23 49.6	2.663	3.640	2.2	20.9
2 1	7 35.29	+24 6.1	2.705	3.647	5.2	21.1
2 11	7 28.37	+24 17.1	2.775	3.654	8.1	21.3
2 21	7 23.15	+24 22.6	2.871	3.660	10.6	21.5

118273 1998 OX_{9} 1 16.1 121°.41 1°.0/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.48	+16 45.9	1.781	2.588	15.1	20.9
12 23	8 13.58	+17 4.0	1.718	2.609	11.3	20.7
1 2	8 4.17	+17 31.1	1.680	2.629	7.0	20.4
1 12	7 53.16	+18 3.6	1.669	2.649	2.4	20.2
1 22	7 41.76	+18 37.4	1.689	2.667	2.8	20.3
2 1	7 31.26	+19 9.0	1.738	2.685	7.2	20.6
2 11	7 22.76	+19 36.1	1.814	2.701	11.2	20.8
2 21	7 16.93	+19 57.7	1.914	2.717	14.5	21.1

118794 2000 SJ_{28} 1 16.1 81°.45 0°.5/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.34	+22 3.8	1.860	2.683	13.9	19.9
12 23	8 10.59	+22 8.2	1.788	2.688	10.4	19.7
1 2	8 2.42	+22 16.2	1.740	2.694	6.3	19.4
1 12	7 52.66	+22 24.4	1.719	2.700	1.9	19.2
1 22	7 42.44	+22 29.9	1.728	2.706	2.8	19.2
2 1	7 32.99	+22 30.6	1.765	2.712	7.1	19.5
2 11	7 25.39	+22 26.0	1.829	2.718	11.0	19.8
2 21	7 20.33	+22 16.6	1.916	2.724	14.3	20.0

25366 Maureenbobo 1 16.1 344°.56 0°.8/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.48	+18 51.2	1.306	2.149	17.5	18.1
12 23	8 9.44	+18 51.3	1.231	2.141	13.2	17.8
1 2	8 2.20	+19 0.9	1.177	2.134	8.2	17.5
1 12	7 52.70	+19 16.7	1.148	2.128	2.7	17.1
1 22	7 42.35	+19 34.6	1.143	2.123	3.4	17.2
2 1	7 32.83	+19 51.0	1.165	2.119	9.0	17.5
2 11	7 25.69	+20 3.3	1.210	2.116	14.1	17.7
2 21	7 21.83	+20 10.4	1.275	2.113	18.4	18.0

362555 2010 VU_{14} 1 16.1 131°.61 5°.9/13.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.94	+35 2.3	2.050	2.866	13.0	20.5
12 23	8 13.48	+36 22.6	1.989	2.877	10.1	20.3
1 2	8 4.28	+37 37.9	1.953	2.887	7.4	20.2
1 12	7 53.25	+38 40.1	1.944	2.897	5.9	20.1
1 22	7 41.61	+39 23.1	1.965	2.907	6.9	20.2
2 1	7 30.75	+39 44.2	2.014	2.916	9.4	20.4
2 11	7 21.93	+39 44.7	2.088	2.925	12.2	20.6
2 21	7 15.92	+39 28.4	2.184	2.933	14.7	20.8

59407 1999 FC_{38} 1 16.1 48°.25 4°.0/17.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.74	+12 57.8	1.295	2.120	18.6	17.8
12 23	8 11.51	+12 27.2	1.236	2.132	14.4	17.6
1 2	8 3.22	+12 10.8	1.197	2.144	9.5	17.4
1 12	7 52.93	+12 8.5	1.182	2.156	5.0	17.2
1 22	7 42.12	+12 18.0	1.194	2.168	4.8	17.2
2 1	7 32.38	+12 36.1	1.231	2.181	9.1	17.5
2 11	7 25.07	+12 58.9	1.293	2.195	13.6	17.7
2 21	7 20.95	+13 22.9	1.375	2.208	17.6	18.0

169364 2001 UH_{89} 1 16.1 60°.01 11°.2/ 8.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 25.58	+54 32.0	2.273	3.033	13.7	19.7
12 23	8 18.60	+56 16.7	2.229	3.040	12.3	19.6
1 2	8 7.84	+57 43.0	2.208	3.046	11.4	19.5
1 12	7 54.38	+58 41.7	2.211	3.053	11.2	19.5
1 22	7 39.98	+59 7.1	2.238	3.060	11.8	19.6
2 1	7 26.73	+58 58.5	2.287	3.067	13.0	19.7
2 11	7 16.39	+58 20.4	2.357	3.074	14.4	19.8
2 21	7 9.95	+57 20.2	2.444	3.082	15.8	19.9

424359 2007 VE_{165} 1 16.1 113°.56 0°.5/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.86	+21 20.8	2.612	3.423	10.7	22.1
12 23	8 7.39	+21 44.9	2.542	3.436	7.9	22.0
1 2	8 0.23	+22 12.4	2.497	3.450	4.8	21.8
1 12	7 51.99	+22 40.4	2.482	3.463	1.4	21.6
1 22	7 43.43	+23 6.3	2.498	3.476	2.2	21.6
2 1	7 35.39	+23 27.8	2.545	3.488	5.4	21.9
2 11	7 28.62	+23 43.8	2.620	3.501	8.4	22.1
2 21	7 23.65	+23 54.0	2.720	3.513	11.0	22.3

100340 1995 SQ_{41} 1 16.1 105°.33 0°.3/16.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.55	+18 42.3	2.562	3.369	11.0	20.4
12 23	8 7.16	+19 0.4	2.492	3.384	8.2	20.2
1 2	8 0.09	+19 23.5	2.448	3.399	5.0	20.0
1 12	7 51.96	+19 49.4	2.433	3.413	1.5	19.8
1 22	7 43.53	+20 15.3	2.449	3.428	2.0	19.9
2 1	7 35.61	+20 39.0	2.495	3.442	5.4	20.1
2 11	7 28.97	+20 59.0	2.570	3.455	8.4	20.3
2 21	7 24.10	+21 14.6	2.670	3.469	11.0	20.5

462058 2007 ER_{65} 1 16.1 221°.38 2°.7/17.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.63	+11 28.2	2.066	2.865	13.6	21.7
12 23	8 7.71	+11 41.3	1.980	2.862	10.5	21.5
1 2	8 0.67	+12 7.0	1.918	2.859	7.0	21.3
1 12	7 52.20	+12 43.8	1.884	2.856	3.6	21.1
1 22	7 43.17	+13 28.8	1.878	2.853	3.3	21.1
2 1	7 34.61	+14 18.2	1.902	2.850	6.7	21.3
2 11	7 27.49	+15 8.3	1.954	2.846	10.2	21.5
2 21	7 22.51	+15 55.8	2.030	2.843	13.5	21.7

290857 2005 WM_{43} 1 16.1 180°.12 2°.4/17.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.84	+13 57.3	2.168	2.968	13.0	21.0
12 23	8 9.18	+13 42.5	2.085	2.969	10.0	20.8
1 2	8 1.48	+13 36.1	2.026	2.969	6.5	20.6
1 12	7 52.42	+13 37.2	1.995	2.969	3.2	20.4
1 22	7 42.90	+13 44.2	1.994	2.969	3.2	20.4
2 1	7 33.91	+13 55.4	2.023	2.969	6.5	20.6
2 11	7 26.40	+14 8.7	2.079	2.968	9.9	20.8
2 21	7 20.99	+14 22.3	2.160	2.967	13.0	21.0

77192 2001 FU_{12} 1 16.1 222°.36 3°.4/14.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.97	+27 50.7	1.796	2.622	14.2	19.5
12 23	8 12.22	+28 36.1	1.717	2.619	10.7	19.2
1 2	8 3.66	+29 22.3	1.663	2.615	6.8	19.0
1 12	7 53.13	+30 3.0	1.636	2.611	3.6	18.8
1 22	7 41.89	+30 32.3	1.637	2.606	4.8	18.9
2 1	7 31.36	+30 47.1	1.667	2.602	8.6	19.1
2 11	7 22.85	+30 47.1	1.723	2.597	12.4	19.3
2 21	7 17.22	+30 34.6	1.800	2.592	15.8	19.5

109053 2001 QG_{16} 1 16.1 157°.45 2°.0/15.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.57	+25 39.6	2.286	3.099	12.0	20.2
12 23	8 11.22	+26 15.1	2.211	3.107	8.9	20.0
1 2	8 2.72	+26 51.9	2.162	3.114	5.5	19.8
1 12	7 52.80	+27 25.3	2.143	3.120	2.4	19.6
1 22	7 42.42	+27 51.7	2.154	3.126	3.3	19.7
2 1	7 32.66	+28 8.5	2.195	3.131	6.7	19.9
2 11	7 24.49	+28 15.2	2.264	3.136	10.0	20.1
2 21	7 18.56	+28 13.0	2.357	3.139	12.8	20.3

121144 1999 JP_{45} 1 16.1 246°.31 1°.1/16.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.83	+16 54.1	1.817	2.630	14.6	20.7
12 23	8 11.29	+17 5.8	1.722	2.616	11.1	20.5
1 2	8 3.10	+17 27.0	1.651	2.601	7.0	20.2
1 12	7 53.00	+17 54.9	1.607	2.586	2.5	19.9
1 22	7 42.05	+18 26.0	1.591	2.570	2.9	19.9
2 1	7 31.58	+18 56.6	1.605	2.554	7.5	20.1
2 11	7 22.85	+19 24.0	1.646	2.537	11.9	20.3
2 21	7 16.75	+19 46.5	1.709	2.519	15.7	20.5

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
32555 2001 QZ_{29}			1 16.1	95°.00	5°.5/19.2	18
	h m	° ′			°	m
12 13	8 15.50	+ 3 3.2	2.140	2.899	14.5	18.4
12 23	8 9.43	+ 2 56.9	2.082	2.928	11.6	18.2
1 2	8 1.48	+ 3 7.8	2.047	2.957	8.6	18.1
1 12	7 52.39	+ 3 35.7	2.039	2.986	6.1	18.0
1 22	7 43.05	+ 4 18.3	2.059	3.013	5.6	18.0
2 1	7 34.40	+ 5 12.2	2.110	3.040	7.3	18.2
2 11	7 27.26	+ 6 12.4	2.188	3.067	9.9	18.4
2 21	7 22.17	+ 7 14.5	2.291	3.092	12.5	18.6
256151 2006 VH_{34}			1 16.1	231°.06	6°.1/18.4	18
12 13	8 14.30	+ 4 26.7	2.040	2.811	14.7	20.3
12 23	8 8.98	+ 3 49.2	1.949	2.803	12.0	20.1
1 2	8 1.48	+ 3 26.8	1.881	2.794	9.1	19.9
1 12	7 52.47	+ 3 21.2	1.838	2.786	6.7	19.7
1 22	7 42.84	+ 3 32.5	1.823	2.776	6.3	19.7
2 1	7 33.66	+ 3 58.9	1.837	2.766	8.3	19.8
2 11	7 25.92	+ 4 36.6	1.878	2.756	11.3	20.0
2 21	7 20.35	+ 5 21.4	1.942	2.746	14.3	20.1
14607 1998 SG_{132}			1 16.1	251°.83	2°.7/15.3	18
12 13	8 20.36	+26 20.0	1.576	2.405	15.7	17.9
12 23	8 14.41	+26 45.1	1.491	2.394	11.8	17.6
1 2	8 5.20	+27 12.0	1.428	2.382	7.4	17.3
1 12	7 53.65	+27 34.2	1.391	2.369	3.2	17.0
1 22	7 41.16	+27 46.4	1.382	2.356	4.5	17.1
2 1	7 29.42	+27 45.4	1.401	2.343	9.2	17.3
2 11	7 19.99	+27 31.4	1.446	2.330	13.7	17.5
2 21	7 13.85	+27 7.1	1.511	2.316	17.7	17.7
313823 2004 CM_{1}			1 16.1	216°.95	9°.0/15.4	17
12 13	8 36.84	+40 34.8	1.190	2.011	20.3	20.4
12 23	8 27.89	+40 50.4	1.122	2.008	16.3	20.1
1 2	8 13.77	+40 47.4	1.073	2.006	12.2	19.9
1 12	7 56.19	+40 12.3	1.048	2.003	9.3	19.7
1 22	7 37.87	+38 58.5	1.048	2.000	9.9	19.8
2 1	7 21.78	+37 9.5	1.074	1.996	13.6	19.9
2 11	7 10.08	+34 58.2	1.124	1.993	18.0	20.2
2 21	7 3.58	+32 38.7	1.193	1.989	22.0	20.4
281664 2008 VR_{22}			1 16.2	358°.66	3°.4/14.4	18
12 13	8 13.87	+27 54.7	2.027	2.854	12.7	20.3
12 23	8 8.90	+28 53.8	1.952	2.853	9.6	20.1
1 2	8 1.52	+29 54.2	1.902	2.853	6.1	19.8
1 12	7 52.51	+30 49.7	1.880	2.853	3.5	19.7
1 22	7 42.88	+31 35.0	1.887	2.853	4.6	19.8
2 1	7 33.85	+32 6.3	1.922	2.853	7.9	20.0
2 11	7 26.51	+32 23.0	1.984	2.853	11.3	20.2
2 21	7 21.63	+32 26.3	2.068	2.854	14.2	20.4
56090 1999 BE			1 16.2	154°.61	0°.9/15.7	18
12 13	8 18.19	+20 22.0	1.763	2.582	14.7	18.9
12 23	8 12.23	+21 11.3	1.690	2.589	11.0	18.7
1 2	8 3.60	+22 8.7	1.641	2.595	6.6	18.4
1 12	7 53.14	+23 8.4	1.620	2.600	2.0	18.2
1 22	7 42.02	+24 4.6	1.628	2.605	3.2	18.3
2 1	7 31.62	+24 52.3	1.665	2.609	7.7	18.5
2 11	7 23.16	+25 29.1	1.729	2.613	11.8	18.8
2 21	7 17.45	+25 54.8	1.816	2.616	15.3	19.0
421824 2014 QO_{93}			1 16.2	231°.19	3°.3/17.2	18
12 13	8 16.27	+12 54.2	1.731	2.538	15.5	21.4
12 23	8 10.80	+12 35.8	1.646	2.533	12.0	21.1
1 2	8 2.74	+12 28.8	1.584	2.528	8.0	20.9
1 12	7 52.89	+12 32.4	1.549	2.522	4.1	20.6
1 22	7 42.35	+12 45.1	1.542	2.516	4.0	20.6
2 1	7 32.43	+13 4.1	1.563	2.510	7.9	20.8
2 11	7 24.32	+13 26.7	1.610	2.504	12.0	21.1
2 21	7 18.83	+13 49.9	1.680	2.497	15.6	21.3
111879 2002 EZ_{114}			1 16.2	204°.72	2°.3/15.1	18
12 13	8 17.79	+24 33.7	1.866	2.688	13.9	20.1
12 23	8 11.99	+25 25.6	1.785	2.685	10.4	19.9
1 2	8 3.50	+26 21.9	1.728	2.681	6.4	19.6
1 12	7 53.13	+27 16.5	1.699	2.677	2.7	19.4
1 22	7 42.01	+28 3.4	1.699	2.672	4.0	19.5
2 1	7 31.49	+28 38.5	1.729	2.667	8.0	19.7
2 11	7 22.85	+29 0.2	1.785	2.661	11.9	19.9
2 21	7 16.92	+29 9.5	1.863	2.655	15.3	20.1
9000 Hal			1 16.2	163°.60	3°.4/17.4	18 R
12 13	8 18.80	+11 27.6	1.872	2.665	15.0	18.4
12 23	8 12.38	+11 17.6	1.794	2.672	11.6	18.2
1 2	8 3.55	+11 19.8	1.739	2.678	7.8	18.0
1 12	7 53.10	+11 33.2	1.712	2.683	4.2	17.8
1 22	7 42.11	+11 55.8	1.715	2.687	4.0	17.8
2 1	7 31.80	+12 24.4	1.746	2.691	7.4	18.0
2 11	7 23.25	+12 55.9	1.806	2.693	11.2	18.2
2 21	7 17.21	+13 27.5	1.888	2.695	14.6	18.5

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
424761 2008 TH_{67}			1 16.2	12°.80	6°.2/13.2	18
	h m	° ′			°	m
12 13	8 16.41	+35 43.3	1.922	2.747	13.4	20.9
12 23	8 11.08	+36 51.8	1.856	2.748	10.5	20.7
1 2	8 2.97	+37 54.7	1.813	2.749	7.7	20.5
1 12	7 52.96	+38 44.3	1.798	2.751	6.2	20.5
1 22	7 42.31	+39 14.7	1.810	2.753	7.2	20.5
2 1	7 32.45	+39 23.3	1.849	2.756	9.8	20.7
2 11	7 24.65	+39 11.5	1.913	2.758	12.7	20.9
2 21	7 19.70	+38 43.2	1.997	2.761	15.4	21.1
340600 2006 QW_{32}			1 16.2	121°.38	2°.6/14.9	18
12 13	8 16.57	+30 40.3	2.874	3.681	9.9	21.6
12 23	8 10.03	+30 56.9	2.807	3.697	7.5	21.4
1 2	8 1.79	+31 10.3	2.767	3.713	4.8	21.3
1 12	7 52.52	+31 17.4	2.757	3.728	2.8	21.2
1 22	7 43.01	+31 15.8	2.778	3.743	3.5	21.2
2 1	7 34.12	+31 4.9	2.830	3.757	5.9	21.4
2 11	7 26.59	+30 45.2	2.911	3.772	8.4	21.6
2 21	7 20.92	+30 18.6	3.017	3.785	10.6	21.8
424763 2008 TQ_{75}			1 16.2	48°.83	1°.6/15.5	18
12 13	8 15.65	+23 47.5	1.745	2.574	14.4	21.5
12 23	8 10.09	+24 18.8	1.696	2.599	10.6	21.3
1 2	8 2.11	+24 52.8	1.670	2.625	6.4	21.1
1 12	7 52.64	+25 24.6	1.671	2.651	2.3	20.9
1 22	7 42.88	+25 49.9	1.701	2.677	3.4	21.0
2 1	7 34.07	+26 6.2	1.759	2.703	7.4	21.3
2 11	7 27.25	+26 12.9	1.843	2.729	11.1	21.6
2 21	7 23.02	+26 11.1	1.950	2.756	14.2	21.9
457143 2008 FT_{122}			1 16.2	217°.96	3°.6/14.2	18
12 13	8 16.86	+28 50.7	2.204	3.022	12.2	21.5
12 23	8 11.07	+29 55.9	2.119	3.015	9.2	21.3
1 2	8 2.87	+31 2.1	2.060	3.008	6.0	21.1
1 12	7 52.94	+32 3.1	2.030	3.000	3.7	21.0
1 22	7 42.30	+32 53.1	2.030	2.992	4.8	21.0
2 1	7 32.14	+33 28.4	2.059	2.983	7.9	21.2
2 11	7 23.58	+33 48.1	2.116	2.974	11.1	21.4
2 21	7 17.44	+33 53.7	2.195	2.965	14.0	21.6
224239 2005 SU_{107}			1 16.2	260°.11	3°.9/14.5	18
12 13	8 18.05	+30 22.5	1.980	2.802	13.2	20.7
12 23	8 12.22	+31 3.1	1.891	2.788	10.1	20.5
1 2	8 3.68	+31 42.3	1.826	2.774	6.7	20.2
1 12	7 53.20	+32 14.0	1.789	2.759	4.1	20.0
1 22	7 41.95	+32 33.0	1.780	2.744	5.1	20.1
2 1	7 31.29	+32 36.4	1.801	2.729	8.5	20.2
2 11	7 22.49	+32 24.6	1.847	2.714	12.1	20.4
2 21	7 16.43	+32 0.2	1.916	2.698	15.3	20.6
373249 2012 GW_{19}			1 16.2	250°.68	0°.1/16.2	18
12 13	8 14.23	+19 1.2	1.908	2.727	13.7	21.4
12 23	8 9.14	+19 25.6	1.827	2.725	10.3	21.1
1 2	8 1.67	+19 57.7	1.769	2.723	6.3	20.9
1 12	7 52.58	+20 33.8	1.739	2.720	1.9	20.6
1 22	7 42.88	+21 10.0	1.739	2.718	2.6	20.7
2 1	7 33.75	+21 42.7	1.767	2.715	7.0	20.9
2 11	7 26.30	+22 9.4	1.822	2.713	11.0	21.2
2 21	7 21.27	+22 29.2	1.900	2.710	14.4	21.4
246915 1998 UK_{5}			1 16.2	70°.33	4°.3/17.9	18
12 13	8 15.34	+ 9 4.5	1.622	2.424	16.6	20.6
12 23	8 9.93	+ 8 59.1	1.563	2.443	12.9	20.4
1 2	8 2.07	+ 9 10.3	1.527	2.463	8.9	20.2
1 12	7 52.66	+ 9 37.0	1.516	2.483	5.2	20.0
1 22	7 42.86	+10 16.3	1.533	2.503	4.7	20.0
2 1	7 33.92	+11 3.6	1.577	2.523	7.9	20.3
2 11	7 26.91	+11 54.1	1.648	2.543	11.6	20.5
2 21	7 22.50	+12 43.5	1.741	2.563	15.0	20.8
54150 2000 HF_{43}			1 16.2	128°.62	1°.2/15.7	18
12 13	8 15.71	+22 9.8	1.808	2.633	14.1	19.6
12 23	8 10.36	+22 43.0	1.733	2.635	10.5	19.4
1 2	8 2.46	+23 21.4	1.682	2.637	6.4	19.1
1 12	7 52.82	+24 0.5	1.658	2.639	2.1	18.8
1 22	7 42.58	+24 35.5	1.663	2.640	3.2	18.9
2 1	7 33.03	+25 2.7	1.697	2.642	7.5	19.2
2 11	7 25.33	+25 20.5	1.757	2.644	11.5	19.4
2 21	7 20.26	+25 29.2	1.839	2.645	14.9	19.7
345089 2005 MX_{6}			1 16.2	158°.29	4°.7/19.3	17
12 13	8 10.05	+ 1 31.0	3.193	3.931	10.5	22.2
12 23	8 5.06	+ 1 14.9	3.109	3.938	8.7	22.0
1 2	7 58.77	+ 1 10.9	3.049	3.945	6.7	21.9
1 12	7 51.65	+ 1 19.5	3.017	3.951	5.1	21.8
1 22	7 44.25	+ 1 40.0	3.015	3.956	4.8	21.8
2 1	7 37.17	+ 2 10.9	3.043	3.961	5.9	21.9
2 11	7 31.00	+ 2 49.6	3.100	3.966	7.7	22.0
2 21	7 26.15	+ 3 33.2	3.182	3.970	9.6	22.1

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
296640 2009 SA_{107}			1 16.2 118°.27		1°.8/17.3 18	
	h m	° ′			°	m
12 13	8 8.21	+12 54.9	3.447	4.234	8.9	21.6
12 23	8 3.63	+12 54.2	3.367	4.243	6.8	21.5
1 2	7 57.87	+12 59.6	3.313	4.252	4.5	21.3
1 12	7 51.37	+13 10.3	3.289	4.261	2.3	21.2
1 22	7 44.64	+13 25.2	3.296	4.270	2.2	21.2
2 1	7 38.24	+13 42.9	3.334	4.278	4.3	21.4
2 11	7 32.67	+14 1.8	3.402	4.287	6.5	21.5
2 21	7 28.35	+14 20.6	3.496	4.295	8.6	21.7
426830 2013 VD_{1}			1 16.2 6°.97		3°.5/17.5 18	
12 13	8 12.13	+11 45.7	1.967	2.771	14.0	20.4
12 23	8 7.37	+11 20.1	1.888	2.771	10.9	20.2
1 2	8 0.49	+11 5.1	1.832	2.772	7.4	20.0
1 12	7 52.21	+11 0.6	1.804	2.773	4.2	19.8
1 22	7 43.46	+11 5.6	1.803	2.775	4.0	19.8
2 1	7 35.29	+11 18.2	1.831	2.777	7.0	20.0
2 11	7 28.64	+11 35.7	1.886	2.779	10.5	20.2
2 21	7 24.17	+11 55.5	1.964	2.782	13.7	20.4
369103 2008 HS_{34}			1 16.2 207°.19		0°.5/16.5 16	
12 13	8 14.12	+16 30.0	2.266	3.071	12.3	21.9
12 23	8 8.77	+17 13.6	2.176	3.066	9.3	21.7
1 2	8 1.35	+18 6.8	2.112	3.062	5.7	21.5
1 12	7 52.49	+19 6.1	2.076	3.056	1.9	21.2
1 22	7 43.03	+20 7.2	2.072	3.051	2.3	21.3
2 1	7 33.97	+21 5.9	2.098	3.044	6.2	21.5
2 11	7 26.27	+21 58.8	2.152	3.038	9.8	21.7
2 21	7 20.63	+22 44.0	2.232	3.031	12.9	21.9
249248 2008 RC_{77}			1 16.2 76°.56		6°.7/13.1 18	
12 13	8 18.95	+38 57.2	2.094	2.907	12.9	20.7
12 23	8 12.76	+40 0.3	2.035	2.916	10.3	20.5
1 2	8 3.87	+40 54.8	2.000	2.925	7.9	20.4
1 12	7 53.23	+41 33.3	1.993	2.935	6.7	20.3
1 22	7 42.08	+41 51.0	2.013	2.944	7.5	20.4
2 1	7 31.81	+41 46.4	2.061	2.954	9.7	20.6
2 11	7 23.64	+41 21.8	2.133	2.963	12.2	20.7
2 21	7 18.26	+40 41.8	2.227	2.973	14.5	20.9
283034 2007 XG_{15}			1 16.2 194°.75		5°.2/18.3 18	
12 13	8 12.44	+ 4 9.9	2.715	3.471	11.8	20.8
12 23	8 7.06	+ 3 24.8	2.626	3.469	9.6	20.6
1 2	8 0.09	+ 2 50.8	2.562	3.467	7.4	20.5
1 12	7 52.07	+ 2 29.4	2.525	3.465	5.6	20.4
1 22	7 43.67	+ 2 20.8	2.518	3.463	5.3	20.3
2 1	7 35.65	+ 2 24.4	2.540	3.461	6.8	20.4
2 11	7 28.71	+ 2 37.9	2.591	3.458	9.0	20.6
2 21	7 23.38	+ 2 58.7	2.666	3.455	11.3	20.7
167606 2004 BZ_{151}			1 16.2 76°.13		0°.6/16.5 18	
12 13	8 11.58	+16 21.0	2.267	3.077	12.2	20.0
12 23	8 6.81	+17 0.3	2.187	3.080	9.1	19.9
1 2	8 0.11	+17 48.6	2.132	3.082	5.6	19.6
1 12	7 52.10	+18 42.9	2.105	3.085	1.9	19.4
1 22	7 43.62	+19 39.0	2.108	3.087	2.2	19.4
2 1	7 35.60	+20 33.1	2.142	3.090	6.0	19.7
2 11	7 28.90	+21 22.1	2.203	3.092	9.4	19.9
2 21	7 24.18	+22 4.2	2.289	3.095	12.4	20.1
37726 1996 TK_{36}			1 16.2 217°.45		3°.6/14.9 18	
12 13	8 22.28	+30 23.2	2.040	2.853	13.2	20.0
12 23	8 15.23	+30 51.5	1.951	2.844	10.1	19.8
1 2	8 5.44	+31 17.3	1.888	2.834	6.6	19.5
1 12	7 53.75	+31 34.6	1.852	2.824	3.8	19.3
1 22	7 41.34	+31 38.9	1.847	2.813	4.8	19.4
2 1	7 29.62	+31 28.3	1.871	2.800	8.2	19.6
2 11	7 19.85	+31 4.0	1.923	2.788	11.8	19.8
2 21	7 12.86	+30 29.0	1.997	2.774	14.9	19.9
461149 2015 TO_{112}			1 16.2 148°.53		9°.4/10.7 17	
12 13	8 25.61	+41 7.1	1.793	2.601	15.0	21.5
12 23	8 18.72	+43 23.6	1.737	2.609	12.3	21.3
1 2	8 8.08	+45 30.8	1.707	2.616	10.1	21.2
1 12	7 54.64	+47 15.6	1.703	2.623	9.4	21.2
1 22	7 40.03	+48 28.4	1.727	2.630	10.6	21.3
2 1	7 26.29	+49 5.4	1.777	2.635	12.8	21.4
2 11	7 15.27	+49 9.7	1.849	2.641	15.3	21.6
2 21	7 8.08	+48 48.8	1.940	2.645	17.6	21.8
259901 2004 EL			1 16.2 265°.99		1°.5/16.7 18	
12 13	8 15.65	+16 33.5	1.913	2.724	14.0	21.0
12 23	8 10.32	+16 30.7	1.815	2.707	10.7	20.7
1 2	8 2.50	+16 35.9	1.740	2.689	6.8	20.5
1 12	7 52.90	+16 47.5	1.693	2.672	2.7	20.2
1 22	7 42.52	+17 3.0	1.675	2.653	2.9	20.1
2 1	7 32.58	+17 19.7	1.686	2.635	7.2	20.4
2 11	7 24.25	+17 35.5	1.724	2.616	11.4	20.6
2 21	7 18.39	+17 49.0	1.785	2.597	15.1	20.8

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
186143 2001 TB_{257}			1 16.2 128°.41		0°.6/16.4 18	
	h m	° ′			°	m
12 13	8 15.43	+18 8.4	1.947	2.762	13.7	21.1
12 23	8 9.88	+18 21.6	1.873	2.768	10.3	20.9
1 2	8 2.05	+18 42.1	1.822	2.774	6.3	20.7
1 12	7 52.70	+19 7.0	1.799	2.780	2.1	20.4
1 22	7 42.87	+19 32.9	1.806	2.785	2.5	20.5
2 1	7 33.69	+19 56.9	1.842	2.790	6.7	20.8
2 11	7 26.19	+20 16.9	1.905	2.795	10.6	21.0
2 21	7 21.06	+20 32.0	1.991	2.800	13.8	21.2
93125 2000 SJ_{62}			1 16.2 5°.06		4°.9/17.9 18	
12 13	8 13.27	+ 9 12.6	1.356	2.174	18.4	19.1
12 23	8 9.07	+ 9 0.9	1.285	2.174	14.5	18.8
1 2	8 1.93	+ 9 8.7	1.234	2.174	10.1	18.6
1 12	7 52.74	+ 9 35.8	1.206	2.175	6.0	18.4
1 22	7 42.81	+10 19.2	1.204	2.176	5.4	18.3
2 1	7 33.65	+11 14.0	1.228	2.178	9.2	18.5
2 11	7 26.66	+12 13.6	1.276	2.180	13.6	18.8
2 21	7 22.69	+13 12.4	1.345	2.183	17.6	19.1
260813 2005 OP_{9}			1 16.2 146°.81		0°.7/15.8 18	
12 13	8 16.31	+21 8.5	2.250	3.061	12.2	21.6
12 23	8 10.30	+21 44.0	2.176	3.071	9.1	21.4
1 2	8 2.21	+22 24.2	2.128	3.080	5.5	21.2
1 12	7 52.75	+23 5.3	2.108	3.089	1.7	21.0
1 22	7 42.84	+23 43.4	2.120	3.097	2.6	21.1
2 1	7 33.52	+24 15.4	2.162	3.105	6.3	21.3
2 11	7 25.71	+24 39.6	2.232	3.112	9.7	21.5
2 21	7 20.06	+24 56.1	2.326	3.118	12.6	21.8
63323 2001 FC_{51}			1 16.2 169°.41		0°.9/16.5 18	
12 13	8 19.50	+17 2.7	1.866	2.673	14.5	20.3
12 23	8 13.04	+17 22.0	1.788	2.679	10.9	20.1
1 2	8 4.05	+17 50.3	1.733	2.683	6.8	19.8
1 12	7 53.34	+18 24.2	1.707	2.687	2.3	19.6
1 22	7 42.02	+18 59.7	1.710	2.689	2.7	19.6
2 1	7 31.39	+19 33.1	1.744	2.691	7.2	19.9
2 11	7 22.59	+20 1.9	1.805	2.692	11.2	20.1
2 21	7 16.38	+20 25.0	1.889	2.692	14.7	20.4
129699 1998 SN_{82}			1 16.2 198°.65		2°.0/17.0 18	
12 13	8 13.36	+14 45.6	2.185	2.989	12.8	20.2
12 23	8 8.15	+14 40.4	2.102	2.989	9.7	20.0
1 2	8 0.94	+14 43.5	2.042	2.988	6.3	19.8
1 12	7 52.38	+14 53.6	2.011	2.987	2.8	19.6
1 22	7 43.36	+15 8.7	2.009	2.986	2.8	19.6
2 1	7 34.84	+15 26.6	2.037	2.985	6.3	19.8
2 11	7 27.74	+15 45.1	2.093	2.983	9.7	20.0
2 21	7 22.70	+16 2.5	2.172	2.982	12.8	20.2
90371 2003 PV_{7}			1 16.2 199°.75		1°.0/16.6 18	
12 13	8 15.27	+17 54.7	2.337	3.142	12.0	20.1
12 23	8 9.47	+17 47.0	2.250	3.139	9.1	19.9
1 2	8 1.69	+17 44.3	2.188	3.137	5.7	19.6
1 12	7 52.60	+17 45.1	2.154	3.133	2.1	19.4
1 22	7 43.06	+17 47.7	2.152	3.130	2.3	19.4
2 1	7 34.02	+17 50.5	2.179	3.126	6.0	19.6
2 11	7 26.38	+17 52.3	2.235	3.122	9.4	19.8
2 21	7 20.75	+17 52.4	2.316	3.117	12.4	20.0
447007 2004 EG_{58}			1 16.2 271°.88		5°.3/14.4 18	
12 13	8 20.55	+30 28.2	1.420	2.257	16.7	20.8
12 23	8 15.09	+31 24.5	1.340	2.245	12.8	20.5
1 2	8 5.93	+32 20.5	1.283	2.233	8.6	20.3
1 12	7 54.03	+33 7.0	1.250	2.221	5.5	20.1
1 22	7 41.00	+33 35.3	1.244	2.208	6.8	20.1
2 1	7 28.82	+33 41.0	1.264	2.196	11.0	20.3
2 11	7 19.32	+33 25.2	1.308	2.183	15.5	20.5
2 21	7 13.58	+32 52.7	1.371	2.171	19.4	20.7
300305 2007 PE_{19}			1 16.2 147°.55		0°.4/16.3 18	
12 13	8 18.76	+18 45.6	1.956	2.765	13.8	21.9
12 23	8 12.32	+19 1.3	1.883	2.775	10.4	21.7
1 2	8 3.52	+19 23.6	1.834	2.785	6.3	21.4
1 12	7 53.16	+19 49.3	1.814	2.794	2.0	21.2
1 22	7 42.33	+20 14.7	1.824	2.802	2.6	21.2
2 1	7 32.21	+20 37.0	1.863	2.810	6.8	21.5
2 11	7 23.87	+20 54.5	1.931	2.817	10.7	21.8
2 21	7 18.00	+21 6.6	2.022	2.823	13.9	22.0
165471 2001 AP_{35}			1 16.2 343°.62		4°.8/14.5 18	
12 13	8 15.00	+28 34.9	1.276	2.127	17.3	19.3
12 23	8 11.03	+29 31.9	1.206	2.119	13.1	19.0
1 2	8 3.45	+30 30.8	1.156	2.112	8.6	18.7
1 12	7 53.28	+31 22.5	1.131	2.105	5.0	18.5
1 22	7 42.10	+31 58.3	1.131	2.100	6.5	18.6
2 1	7 31.88	+32 13.4	1.156	2.095	11.0	18.8
2 11	7 24.34	+32 7.9	1.203	2.091	15.6	19.1
2 21	7 20.52	+31 45.5	1.270	2.089	19.6	19.3

43828 1993 FB_5 1 16.2 306.°87 3.°2/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.70	+27 57.1	1.822	2.652	13.8	18.9
12 23	8 10.57	+28 34.1	1.740	2.643	10.4	18.7
1 2	8 2.72	+29 11.6	1.681	2.634	6.7	18.4
1 12	7 52.99	+29 43.8	1.650	2.625	3.5	18.2
1 22	7 42.53	+30 5.7	1.647	2.616	4.6	18.3
2 1	7 32.73	+30 14.1	1.671	2.608	8.4	18.5
2 11	7 24.85	+30 8.9	1.722	2.600	12.2	18.7
2 21	7 19.72	+29 52.2	1.794	2.592	15.6	18.9

473282 2015 OC_5 1 16.2 237.°88 2.°6/17.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 7.83	+ 9 17.9	3.705	4.478	8.6	21.3
12 23	8 3.37	+ 9 5.7	3.604	4.467	6.7	21.1
1 2	7 57.76	+ 9 0.6	3.530	4.457	4.7	21.0
1 12	7 51.41	+ 9 2.2	3.484	4.446	3.0	20.9
1 22	7 44.77	+ 9 10.1	3.470	4.435	2.8	20.8
2 1	7 38.35	+ 9 23.1	3.486	4.424	4.4	20.9
2 11	7 32.67	+ 9 39.8	3.532	4.412	6.5	21.1
2 21	7 28.12	+ 9 58.7	3.604	4.400	8.4	21.2

177459 2004 DS_{37} 1 16.2 0.°30 0.°2/16.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.61	+18 9.6	1.386	2.225	16.9	19.7
12 23	8 8.67	+18 39.4	1.315	2.223	12.7	19.5
1 2	8 1.73	+19 20.9	1.266	2.222	7.8	19.2
1 12	7 52.71	+20 9.8	1.241	2.222	2.4	18.9
1 22	7 42.93	+20 59.9	1.243	2.222	3.2	18.9
2 1	7 33.94	+21 45.8	1.271	2.224	8.5	19.2
2 11	7 27.15	+22 23.6	1.323	2.226	13.3	19.5
2 21	7 23.43	+22 51.7	1.396	2.229	17.4	19.8

74979 1999 TP_{236} 1 16.2 164.°56 2.°3/17.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.13	+12 31.4	2.145	2.939	13.3	20.2
12 23	8 10.22	+12 45.0	2.065	2.945	10.2	20.0
1 2	8 2.20	+13 9.7	2.009	2.950	6.7	19.8
1 12	7 52.78	+13 43.6	1.981	2.955	3.2	19.6
1 22	7 42.88	+14 23.7	1.983	2.959	3.0	19.5
2 1	7 33.50	+15 6.6	2.016	2.962	6.4	19.8
2 11	7 25.62	+15 49.1	2.077	2.964	10.0	20.0
2 21	7 19.89	+16 28.6	2.162	2.966	13.0	20.2

458333 2010 VX_{133} 1 16.2 41.°80 1.°8/16.9 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.19	+14 31.1	1.308	2.140	18.1	20.8
12 23	8 10.24	+14 59.1	1.265	2.167	13.6	20.6
1 2	8 2.41	+15 41.9	1.243	2.196	8.5	20.4
1 12	7 52.83	+16 34.8	1.246	2.225	3.3	20.1
1 22	7 42.92	+17 31.6	1.276	2.255	3.3	20.2
2 1	7 34.18	+18 26.4	1.332	2.285	8.2	20.6
2 11	7 27.81	+19 14.8	1.413	2.316	12.6	20.9
2 21	7 24.44	+19 54.5	1.515	2.347	16.3	21.2

220597 2004 NP_{15} 1 16.2 141.°78 2.°1/17.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.64	+12 1.5	2.162	2.958	13.1	20.4
12 23	8 8.38	+12 34.4	2.083	2.965	10.1	20.2
1 2	8 1.09	+13 19.6	2.029	2.972	6.5	20.0
1 12	7 52.46	+14 14.8	2.003	2.978	3.0	19.8
1 22	7 43.34	+15 16.0	2.007	2.984	2.8	19.8
2 1	7 34.72	+16 18.9	2.042	2.990	6.2	20.0
2 11	7 27.52	+17 19.5	2.105	2.995	9.7	20.2
2 21	7 22.39	+18 14.8	2.192	3.000	12.8	20.4

63969 2001 SL_{71} 1 16.2 168.°13 6.°7/19.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.15	+ 1 7.3	2.127	2.883	14.6	19.3
12 23	8 8.00	+ 0 38.6	2.046	2.885	12.1	19.1
1 2	8 0.86	+ 0 27.6	1.986	2.887	9.5	18.9
1 12	7 52.39	+ 0 35.9	1.953	2.889	7.3	18.8
1 22	7 43.43	+ 1 2.9	1.947	2.890	6.8	18.8
2 1	7 34.96	+ 1 46.2	1.969	2.891	8.3	18.9
2 11	7 27.87	+ 2 41.4	2.018	2.892	10.9	19.0
2 21	7 22.81	+ 3 43.2	2.090	2.893	13.5	19.2

196655 2003 SY_{34} 1 16.2 144.°17 0.°5/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.48	+17 58.6	2.198	3.009	12.4	20.8
12 23	8 8.27	+18 17.1	2.119	3.012	9.3	20.6
1 2	8 1.02	+18 42.5	2.065	3.016	5.7	20.4
1 12	7 52.44	+19 12.0	2.038	3.019	1.9	20.2
1 22	7 43.39	+19 42.6	2.042	3.021	2.3	20.2
2 1	7 34.87	+20 11.4	2.076	3.024	6.1	20.5
2 11	7 27.79	+20 36.3	2.138	3.027	9.7	20.7
2 21	7 22.80	+20 56.1	2.223	3.029	12.7	20.9

102282 1999 TX_{62} 1 16.2 233.°00 0.°9/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.66	+17 29.7	1.971	2.782	13.7	21.0
12 23	8 10.99	+17 41.0	1.878	2.771	10.4	20.7
1 2	8 2.88	+18 0.2	1.809	2.759	6.5	20.5
1 12	7 53.05	+18 24.9	1.767	2.747	2.2	20.2
1 22	7 42.49	+18 51.8	1.755	2.734	2.6	20.2
2 1	7 32.41	+19 17.6	1.773	2.721	7.0	20.4
2 11	7 23.95	+19 40.0	1.818	2.707	11.1	20.6
2 21	7 17.91	+19 57.9	1.887	2.693	14.6	20.8

235056 2003 FU_{75} 1 16.2 242.°39 0.°3/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 19.80	+21 39.1	1.683	2.504	15.2	20.4
12 23	8 13.72	+21 38.5	1.594	2.493	11.5	20.1
1 2	8 4.71	+21 42.1	1.529	2.482	7.1	19.8
1 12	7 53.62	+21 46.3	1.490	2.471	2.1	19.5
1 22	7 41.71	+21 47.7	1.480	2.459	3.1	19.5
2 1	7 30.47	+21 44.2	1.499	2.446	8.1	19.8
2 11	7 21.29	+21 35.3	1.543	2.433	12.6	20.0
2 21	7 15.06	+21 21.6	1.610	2.420	16.5	20.2

274756 2008 UH_{279} 1 16.2 226.°60 0.°1/16.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.34	+19 26.1	2.136	2.952	12.6	21.2
12 23	8 8.25	+19 42.4	2.055	2.952	9.4	21.0
1 2	8 1.06	+20 4.6	1.999	2.951	5.8	20.8
1 12	7 52.46	+20 29.9	1.971	2.951	1.8	20.5
1 22	7 43.37	+20 55.1	1.972	2.951	2.4	20.6
2 1	7 34.82	+21 17.4	2.003	2.951	6.3	20.8
2 11	7 27.76	+21 35.1	2.062	2.951	9.9	21.1
2 21	7 22.85	+21 47.5	2.144	2.951	13.0	21.3

301914 1999 JT_{110} 1 16.2 208.°70 1.°8/15.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.39	+23 24.4	2.056	2.871	13.1	21.6
12 23	8 12.29	+24 13.4	1.968	2.864	9.8	21.4
1 2	8 3.68	+25 7.2	1.905	2.857	6.0	21.1
1 12	7 53.30	+26 0.6	1.871	2.850	2.3	20.9
1 22	7 42.18	+26 48.3	1.867	2.841	3.4	21.0
2 1	7 31.55	+27 26.2	1.893	2.832	7.4	21.2
2 11	7 22.59	+27 52.5	1.946	2.821	11.2	21.4
2 21	7 16.12	+28 7.6	2.023	2.811	14.4	21.6

35834 1999 JT_{57} 1 16.2 158.°78 4.°9/14.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.82	+30 27.1	1.671	2.499	15.0	17.6
12 23	8 13.89	+31 34.6	1.602	2.502	11.4	17.4
1 2	8 4.86	+32 41.2	1.557	2.505	7.6	17.2
1 12	7 53.67	+33 38.4	1.539	2.507	5.0	17.1
1 22	7 41.71	+34 19.1	1.548	2.509	6.2	17.1
2 1	7 30.61	+34 39.4	1.585	2.510	9.7	17.3
2 11	7 21.82	+34 40.0	1.647	2.512	13.4	17.6
2 21	7 16.20	+34 24.5	1.730	2.513	16.7	17.8

129894 1999 TK_{35} 1 16.2 156.°34 6.°5/19.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.49	+ 0 18.2	2.264	3.006	14.2	21.4
12 23	8 9.58	− 0 5.6	2.186	3.016	11.8	21.2
1 2	8 1.75	− 0 11.9	2.130	3.024	9.2	21.1
1 12	7 52.66	+ 0 0.6	2.100	3.032	7.1	20.9
1 22	7 43.14	+ 0 31.1	2.099	3.039	6.6	20.9
2 1	7 34.13	+ 1 17.1	2.127	3.045	8.0	21.0
2 11	7 26.49	+ 2 14.0	2.183	3.051	10.4	21.2
2 21	7 20.82	+ 3 17.0	2.263	3.055	12.9	21.4

338900 2004 CS_{93} 1 16.2 330.°94 3.°3/15.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.52	+29 44.9	1.944	2.771	13.2	19.8
12 23	8 10.25	+30 1.8	1.861	2.762	10.0	19.6
1 2	8 2.44	+30 16.3	1.802	2.753	6.5	19.4
1 12	7 52.91	+30 23.5	1.770	2.744	3.5	19.2
1 22	7 42.78	+30 19.8	1.767	2.736	4.5	19.2
2 1	7 33.33	+30 3.5	1.792	2.728	8.0	19.4
2 11	7 25.74	+29 35.7	1.843	2.721	11.5	19.6
2 21	7 20.76	+28 58.8	1.917	2.714	14.7	19.8

291434 2006 DG_{30} 1 16.2 89.°69 1.°6/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.98	+16 1.2	1.522	2.344	16.5	21.0
12 23	8 11.54	+16 11.1	1.455	2.353	12.5	20.8
1 2	8 3.29	+16 32.3	1.410	2.361	7.8	20.6
1 12	7 53.17	+17 1.8	1.391	2.370	3.0	20.3
1 22	7 42.46	+17 35.4	1.399	2.378	3.2	20.3
2 1	7 32.60	+18 9.0	1.435	2.386	8.0	20.6
2 11	7 24.89	+18 39.2	1.497	2.394	12.4	20.9
2 21	7 20.09	+19 4.3	1.580	2.402	16.2	21.2

320477 2007 VW_{319} 1 16.2 15.°97 6.°1/18.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 11.75	+ 3 50.4	2.203	2.972	13.8	20.4
12 23	8 6.90	+ 3 4.7	2.123	2.973	11.3	20.2
1 2	8 0.17	+ 2 33.1	2.065	2.974	8.7	20.0
1 12	7 52.19	+ 2 17.5	2.033	2.975	6.6	19.9
1 22	7 43.79	+ 2 18.1	2.029	2.977	6.2	19.9
2 1	7 35.85	+ 2 33.4	2.054	2.979	7.9	20.0
2 11	7 29.25	+ 3 0.4	2.105	2.980	10.4	20.2
2 21	7 24.56	+ 3 35.1	2.179	2.982	13.0	20.3

489220 2006 KV_{51} 1 16.2 261.°73 1.°1/16.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.03	+16 40.7	1.706	2.524	15.2	22.6
12 23	8 10.91	+16 56.4	1.613	2.510	11.6	22.3
1 2	8 3.03	+17 22.8	1.544	2.495	7.3	22.1
1 12	7 53.15	+17 57.0	1.501	2.480	2.6	21.7
1 22	7 42.39	+18 35.0	1.486	2.465	3.0	21.7
2 1	7 32.11	+19 12.5	1.500	2.450	7.8	22.0
2 11	7 23.66	+19 46.2	1.540	2.435	12.4	22.2
2 21	7 17.96	+20 14.2	1.603	2.419	16.3	22.4

41608 2000 SS_{114} 1 16.2 33°.80 6°.5/13.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 18.22	+34 41.0	1.491	2.328	16.0	18.9
12 23	8 12.85	+35 40.5	1.441	2.341	12.4	18.7
1 2	8 4.20	+36 33.0	1.413	2.355	8.8	18.5
1 12	7 53.45	+37 9.5	1.410	2.370	6.6	18.4
1 22	7 42.20	+37 24.0	1.433	2.386	7.6	18.5
2 1	7 32.17	+37 14.9	1.482	2.402	10.7	18.7
2 11	7 24.79	+36 45.2	1.554	2.418	14.1	19.0
2 21	7 20.77	+36 0.4	1.647	2.436	17.1	19.2

234064 1999 JB_{70} 1 16.2 232°.06 5°.8/12.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.75	+38 59.8	2.708	3.512	10.6	20.2
12 23	8 10.88	+40 12.3	2.628	3.503	8.5	20.0
1 2	8 2.76	+41 19.2	2.574	3.494	6.6	19.9
1 12	7 53.03	+42 14.1	2.548	3.484	5.8	19.8
1 22	7 42.65	+42 52.4	2.552	3.474	6.6	19.8
2 1	7 32.69	+43 11.5	2.583	3.464	8.5	19.9
2 11	7 24.22	+43 12.0	2.641	3.454	10.6	20.1
2 21	7 17.99	+42 56.6	2.721	3.443	12.7	20.2

110916 2001 UX_{133} 1 16.2 308°.92 8°.0/18.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.26	+ 1 56.0	1.722	2.498	16.8	19.3
12 23	8 7.91	+ 1 5.0	1.634	2.486	14.0	19.0
1 2	8 1.11	+ 0 33.0	1.567	2.474	11.0	18.8
1 12	7 52.57	+ 0 23.3	1.523	2.462	8.6	18.7
1 22	7 43.29	+ 0 37.0	1.505	2.451	8.1	18.6
2 1	7 34.47	+ 1 12.1	1.514	2.440	10.0	18.7
2 11	7 27.29	+ 2 3.8	1.547	2.429	13.1	18.8
2 21	7 22.56	+ 3 5.8	1.602	2.419	16.3	19.0

109619 2001 QX_{293} 1 16.2 196°.31 1°.1/15.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.67	+24 15.2	2.630	3.440	10.7	20.4
12 23	8 8.91	+24 25.8	2.544	3.438	7.9	20.2
1 2	8 1.33	+24 37.4	2.484	3.436	4.8	20.0
1 12	7 52.56	+24 47.4	2.454	3.433	1.7	19.7
1 22	7 43.38	+24 53.4	2.454	3.430	2.4	19.8
2 1	7 34.68	+24 53.9	2.485	3.427	5.7	20.0
2 11	7 27.28	+24 48.6	2.545	3.423	8.7	20.2
2 21	7 21.74	+24 37.9	2.630	3.420	11.4	20.4

224435 2005 UK_{472} 1 16.2 218°.69 1°.3/15.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.34	+22 51.4	1.938	2.760	13.4	20.7
12 23	8 10.01	+23 20.6	1.859	2.759	10.0	20.5
1 2	8 2.27	+23 54.1	1.804	2.758	6.1	20.3
1 12	7 52.89	+24 27.6	1.777	2.757	2.1	20.0
1 22	7 42.91	+24 56.7	1.779	2.755	3.1	20.1
2 1	7 33.56	+25 18.3	1.810	2.754	7.2	20.3
2 11	7 25.92	+25 31.0	1.867	2.753	11.0	20.5
2 21	7 20.76	+25 35.3	1.948	2.751	14.3	20.8

466758 2015 AU_{133} 1 16.2 133°.13 0°.2/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.01	+18 52.5	2.284	3.096	12.0	21.5
12 23	8 7.90	+19 34.1	2.206	3.101	9.0	21.3
1 2	8 0.83	+20 22.7	2.153	3.106	5.4	21.1
1 12	7 52.43	+21 14.8	2.129	3.110	1.6	20.8
1 22	7 43.56	+22 6.1	2.136	3.114	2.3	20.9
2 1	7 35.17	+22 53.1	2.173	3.119	6.1	21.1
2 11	7 28.15	+23 33.3	2.237	3.123	9.5	21.3
2 21	7 23.15	+24 5.6	2.327	3.127	12.4	21.5

70261 1999 RU_{91} 1 16.2 198°.87 0°.9/16.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.17	+17 5.5	2.145	2.948	13.0	20.9
12 23	8 11.14	+17 20.4	2.056	2.945	9.8	20.7
1 2	8 2.87	+17 43.0	1.992	2.941	6.1	20.4
1 12	7 53.07	+18 10.7	1.956	2.936	2.1	20.1
1 22	7 42.68	+18 40.2	1.951	2.930	2.5	20.2
2 1	7 32.78	+19 8.7	1.976	2.923	6.5	20.4
2 11	7 24.40	+19 33.9	2.030	2.916	10.2	20.6
2 21	7 18.25	+19 54.6	2.108	2.908	13.5	20.8

30776 1987 QY 1 16.2 62°.61 14°.7/26.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.01	−16 48.5	1.405	2.090	23.8	18.6
12 23	8 10.72	−17 20.3	1.361	2.119	21.3	18.4
1 2	8 2.70	−17 9.7	1.331	2.148	18.6	18.3
1 12	7 52.99	−16 11.8	1.318	2.176	16.3	18.3
1 22	7 42.92	−14 28.1	1.327	2.205	14.9	18.3
2 1	7 33.91	−12 6.3	1.358	2.234	14.9	18.3
2 11	7 27.14	− 9 19.9	1.413	2.262	16.2	18.5
2 21	7 23.27	− 6 23.7	1.490	2.290	18.1	18.7

363817 2005 NZ_{38} 1 16.2 67°.99 6°.6/18.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.79	+ 4 9.5	1.749	2.524	16.6	19.9
12 23	8 10.76	+ 3 23.1	1.697	2.553	13.4	19.8
1 2	8 2.50	+ 2 55.1	1.668	2.582	10.0	19.6
1 12	7 52.90	+ 2 46.9	1.664	2.610	7.3	19.5
1 22	7 43.05	+ 2 57.6	1.687	2.639	6.8	19.6
2 1	7 34.08	+ 3 24.3	1.738	2.667	8.7	19.7
2 11	7 26.96	+ 4 2.3	1.815	2.695	11.6	20.0
2 21	7 22.25	+ 4 46.3	1.914	2.723	14.3	20.2

204369 2004 TD_{69} 1 16.2 173°.89 2°.1/15.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 19.42	+24 13.5	1.834	2.654	14.2	20.9
12 23	8 13.22	+24 58.2	1.758	2.657	10.6	20.7
1 2	8 4.30	+25 46.7	1.706	2.659	6.5	20.5
1 12	7 53.53	+26 33.3	1.682	2.660	2.6	20.2
1 22	7 42.08	+27 12.4	1.687	2.661	3.8	20.3
2 1	7 31.34	+27 40.2	1.722	2.662	7.9	20.6
2 11	7 22.56	+27 55.7	1.783	2.662	11.8	20.8
2 21	7 16.55	+28 0.1	1.867	2.661	15.2	21.0

53199 1999 CL_{62} 1 16.2 191°.54 0°.3/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.79	+22 26.8	2.298	3.105	12.1	18.8
12 23	8 12.15	+22 21.0	2.212	3.104	9.1	18.6
1 2	8 3.38	+22 16.8	2.151	3.102	5.5	18.4
1 12	7 53.21	+22 11.8	2.119	3.099	1.7	18.1
1 22	7 42.57	+22 4.1	2.118	3.096	2.4	18.1
2 1	7 32.53	+21 52.4	2.148	3.093	6.2	18.4
2 11	7 24.03	+21 36.7	2.207	3.089	9.7	18.6
2 21	7 17.74	+21 17.7	2.290	3.084	12.7	18.8

27210 1999 CZ_{105} 1 16.2 116°.82 0°.2/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.01	+21 3.3	2.078	2.890	13.1	18.8
12 23	8 11.61	+21 14.1	2.012	2.906	9.7	18.6
1 2	8 3.03	+21 28.9	1.970	2.922	5.9	18.4
1 12	7 53.08	+21 44.5	1.957	2.938	1.7	18.1
1 22	7 42.78	+21 57.9	1.975	2.953	2.5	18.2
2 1	7 33.23	+22 7.0	2.022	2.968	6.5	18.5
2 11	7 25.39	+22 11.0	2.097	2.982	10.0	18.7
2 21	7 19.86	+22 10.1	2.196	2.995	13.0	19.0

432943 2012 DG_{33} 1 16.2 156°.85 11°.8/22.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.16	− 8 47.1	1.323	2.060	22.8	20.9
12 23	8 12.13	− 8 45.4	1.249	2.064	19.8	20.6
1 2	8 3.95	− 8 2.9	1.191	2.067	16.4	20.4
1 12	7 53.49	− 6 34.7	1.154	2.070	13.3	20.3
1 22	7 42.13	− 4 22.8	1.140	2.072	11.8	20.2
2 1	7 31.50	− 1 36.6	1.152	2.074	12.9	20.2
2 11	7 23.14	+ 1 28.2	1.189	2.076	15.9	20.4
2 21	7 18.02	+ 4 35.4	1.249	2.077	19.3	20.6

327017 2004 RQ_{181} 1 16.2 50°.89 8°.5/20.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 11.94	− 2 6.8	1.785	2.539	17.1	20.2
12 23	8 7.34	− 2 40.1	1.721	2.553	14.4	20.0
1 2	8 0.56	− 2 49.9	1.677	2.567	11.5	19.9
1 12	7 52.37	− 2 33.8	1.657	2.582	9.2	19.8
1 22	7 43.75	− 1 53.0	1.662	2.597	8.5	19.8
2 1	7 35.80	− 0 51.1	1.694	2.612	9.8	19.9
2 11	7 29.48	+ 0 25.3	1.751	2.627	12.1	20.0
2 21	7 25.44	+ 1 49.1	1.831	2.642	14.7	20.2

180534 2004 DE_{74} 1 16.2 114°.99 5°.4/19.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.04	+ 3 38.8	1.917	2.690	15.5	20.6
12 23	8 8.83	+ 3 49.4	1.844	2.700	12.4	20.4
1 2	8 1.46	+ 4 19.7	1.793	2.711	9.1	20.2
1 12	7 52.65	+ 5 9.4	1.768	2.722	6.2	20.1
1 22	7 43.36	+ 6 15.3	1.771	2.732	5.5	20.1
2 1	7 34.66	+ 7 32.5	1.803	2.742	7.7	20.2
2 11	7 27.53	+ 8 55.0	1.862	2.751	10.9	20.4
2 21	7 22.64	+10 17.0	1.946	2.760	13.9	20.6

459224 2012 DS_{96} 1 16.2 150°.78 0°.7/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.96	+21 54.0	1.996	2.813	13.3	21.8
12 23	8 11.07	+22 12.9	1.920	2.818	9.9	21.6
1 2	8 2.85	+22 35.8	1.869	2.822	6.0	21.4
1 12	7 53.07	+22 59.2	1.846	2.827	1.9	21.1
1 22	7 42.80	+23 19.4	1.853	2.831	2.7	21.2
2 1	7 33.19	+23 33.8	1.889	2.835	6.9	21.5
2 11	7 25.31	+23 41.3	1.953	2.838	10.6	21.7
2 21	7 19.84	+23 42.4	2.040	2.841	13.8	21.9

269774 1999 TE_{103} 1 16.2 34°.09 4°.9/18.7 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.90	+ 6 15.9	1.272	2.084	19.7	19.3
12 23	8 9.18	+ 6 47.4	1.237	2.122	15.3	19.1
1 2	8 1.73	+ 7 43.2	1.223	2.160	10.5	19.0
1 12	7 52.69	+ 8 59.5	1.232	2.200	6.2	18.8
1 22	7 43.44	+10 29.0	1.268	2.240	5.2	18.9
2 1	7 35.38	+12 3.0	1.330	2.281	8.5	19.2
2 11	7 29.61	+13 33.7	1.417	2.322	12.4	19.5
2 21	7 26.71	+14 55.3	1.526	2.363	15.9	19.9

142144 2002 RX_{18} 1 16.2 57°.95 0°.5/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.15	+17 36.8	1.461	2.288	16.8	20.2
12 23	8 11.58	+18 4.5	1.412	2.313	12.5	20.0
1 2	8 3.24	+18 42.3	1.384	2.338	7.6	19.8
1 12	7 53.18	+19 25.6	1.383	2.364	2.4	19.5
1 22	7 42.76	+20 8.9	1.410	2.389	3.0	19.6
2 1	7 33.41	+20 47.8	1.464	2.415	7.9	20.0
2 11	7 26.32	+21 19.5	1.543	2.440	12.2	20.3
2 21	7 22.16	+21 43.0	1.645	2.466	15.7	20.6

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
298855 2004 RA_{237}			1 16.2 198°.73		2°.1/15.5 18	
	h m	° ′			°	m
12 13	8 21.05	+25 37.4	1.866	2.684	14.1	21.6
12 23	8 14.43	+26 0.8	1.784	2.681	10.6	21.4
1 2	8 5.06	+26 25.5	1.726	2.678	6.5	21.1
1 12	7 53.79	+26 46.5	1.695	2.673	2.7	20.9
1 22	7 41.83	+26 59.3	1.694	2.669	3.7	20.9
2 1	7 30.59	+27 1.5	1.723	2.663	7.9	21.2
2 11	7 21.35	+26 53.2	1.778	2.657	11.9	21.4
2 21	7 14.91	+26 36.2	1.856	2.650	15.3	21.6
420278 2011 LC_{24}			1 16.2 240°.16		0°.5/15.9 17	
12 13	8 13.48	+21 24.1	2.499	3.310	11.1	21.9
12 23	8 8.23	+21 47.9	2.405	3.300	8.3	21.7
1 2	8 1.05	+22 15.9	2.336	3.288	5.1	21.5
1 12	7 52.55	+22 45.1	2.296	3.277	1.5	21.2
1 22	7 43.52	+23 12.5	2.287	3.265	2.3	21.2
2 1	7 34.87	+23 35.6	2.308	3.253	5.9	21.4
2 11	7 27.47	+23 52.7	2.358	3.240	9.2	21.6
2 21	7 21.97	+24 3.5	2.432	3.228	12.0	21.8
295861 2008 VL_{80}			1 16.2 295°.20		0°.9/15.9 18	
12 13	8 14.86	+24 8.4	2.325	3.141	11.7	20.2
12 23	8 9.31	+24 4.1	2.235	3.132	8.8	20.0
1 2	8 1.71	+24 0.6	2.171	3.124	5.3	19.8
1 12	7 52.74	+23 55.2	2.135	3.115	1.7	19.5
1 22	7 43.31	+23 46.0	2.129	3.107	2.5	19.6
2 1	7 34.39	+23 31.9	2.153	3.098	6.2	19.8
2 11	7 26.93	+23 12.8	2.206	3.090	9.6	20.0
2 21	7 21.56	+22 49.6	2.282	3.082	12.6	20.2
104790 2000 HP_{36}			1 16.2 168°.02		2°.5/14.8 18	
12 13	8 16.77	+24 46.6	2.122	2.940	12.6	20.0
12 23	8 11.02	+25 57.7	2.046	2.943	9.4	19.8
1 2	8 2.90	+27 13.0	1.994	2.946	5.8	19.6
1 12	7 53.14	+28 26.3	1.972	2.949	2.8	19.4
1 22	7 42.74	+29 31.6	1.981	2.951	3.9	19.5
2 1	7 32.86	+30 24.3	2.019	2.952	7.4	19.7
2 11	7 24.60	+31 2.7	2.085	2.954	10.8	19.9
2 21	7 18.72	+31 27.3	2.175	2.954	13.8	20.1
84815 2002 YQ_{18}			1 16.2 145°.18		0°.8/15.9 18	
12 13	8 19.69	+21 31.3	1.538	2.364	16.1	19.9
12 23	8 13.73	+21 54.7	1.467	2.369	12.1	19.6
1 2	8 4.75	+22 24.3	1.419	2.374	7.3	19.4
1 12	7 53.72	+22 55.1	1.398	2.379	2.3	19.1
1 22	7 42.02	+23 21.9	1.404	2.383	3.3	19.1
2 1	7 31.21	+23 41.2	1.439	2.386	8.3	19.5
2 11	7 22.67	+23 51.6	1.499	2.390	12.9	19.7
2 21	7 17.24	+23 53.6	1.580	2.393	16.7	20.0
416044 2002 FK_{40}			1 16.2 343°.77		2°.7/17.5 18	
12 13	8 12.26	+12 4.3	1.790	2.600	14.9	21.5
12 23	8 7.82	+12 18.4	1.709	2.597	11.5	21.2
1 2	8 1.02	+12 46.6	1.650	2.595	7.6	21.0
1 12	7 52.59	+13 27.0	1.618	2.592	3.7	20.8
1 22	7 43.53	+14 16.2	1.614	2.591	3.4	20.7
2 1	7 35.02	+15 9.6	1.639	2.589	7.2	21.0
2 11	7 28.16	+16 2.8	1.689	2.587	11.2	21.2
2 21	7 23.70	+16 52.3	1.763	2.586	14.7	21.4
26757 Bastei			1 16.2 103°.87		5°.0/18.2 18	
12 13	8 17.78	+ 7 0.1	2.057	2.831	14.5	19.0
12 23	8 11.29	+ 6 24.3	1.995	2.855	11.5	18.9
1 2	8 2.79	+ 6 2.2	1.957	2.878	8.3	18.7
1 12	7 53.04	+ 5 54.3	1.945	2.901	5.6	18.6
1 22	7 43.02	+ 5 59.9	1.964	2.923	5.2	18.6
2 1	7 33.73	+ 6 16.7	2.011	2.944	7.4	18.8
2 11	7 26.06	+ 6 41.7	2.086	2.965	10.3	19.0
2 21	7 20.57	+ 7 11.3	2.185	2.986	13.1	19.2
397039 2005 US_{55}			1 16.2 63°.23		2°.2/15.5 17	
12 13	8 19.57	+23 17.8	1.266	2.107	18.0	20.8
12 23	8 13.97	+24 1.6	1.215	2.124	13.4	20.5
1 2	8 4.98	+24 51.0	1.185	2.142	8.1	20.3
1 12	7 53.78	+25 38.4	1.180	2.159	3.0	20.0
1 22	7 42.04	+26 16.8	1.201	2.177	4.3	20.2
2 1	7 31.57	+26 41.8	1.248	2.195	9.4	20.5
2 11	7 23.84	+26 52.7	1.320	2.213	14.1	20.8
2 21	7 19.62	+26 51.7	1.412	2.231	17.9	21.1
459128 2012 CR_{1}			1 16.2 204°.86		0°.6/15.9 18	
12 13	8 17.00	+21 51.4	2.104	2.918	12.8	21.9
12 23	8 11.10	+22 6.6	2.019	2.915	9.6	21.7
1 2	8 2.91	+22 25.8	1.958	2.911	5.8	21.4
1 12	7 53.15	+22 45.5	1.925	2.906	1.8	21.2
1 22	7 42.82	+23 2.3	1.923	2.901	2.6	21.2
2 1	7 33.05	+23 14.0	1.951	2.896	6.7	21.5
2 11	7 24.89	+23 19.3	2.006	2.890	10.4	21.7
2 21	7 19.05	+23 18.6	2.085	2.884	13.6	21.9

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
323126 2003 BU_{4}			1 16.2 207°.23		3°.0/17.7 16	
	h m	° ′			°	m
12 13	8 14.18	+10 29.5	2.466	3.249	12.1	22.1
12 23	8 8.66	+10 29.5	2.372	3.243	9.4	22.0
1 2	8 1.28	+10 40.0	2.302	3.236	6.4	21.8
1 12	7 52.64	+11 0.2	2.261	3.229	3.6	21.6
1 22	7 43.50	+11 28.5	2.250	3.221	3.4	21.5
2 1	7 34.73	+12 2.3	2.269	3.212	6.1	21.7
2 11	7 27.17	+12 38.8	2.318	3.203	9.2	21.9
2 21	7 21.44	+13 15.4	2.391	3.193	12.0	22.0
424203 2007 PA_{25}			1 16.2 64°.32		1°.7/15.7 18	
12 13	8 19.90	+26 37.1	2.066	2.881	13.0	20.5
12 23	8 12.86	+26 36.9	2.016	2.912	9.6	20.4
1 2	8 3.68	+26 35.4	1.992	2.944	5.9	20.2
1 12	7 53.29	+26 29.4	1.996	2.975	2.3	20.0
1 22	7 42.78	+26 16.7	2.031	3.006	3.1	20.1
2 1	7 33.26	+25 56.8	2.095	3.036	6.6	20.4
2 11	7 25.63	+25 30.9	2.188	3.067	9.9	20.7
2 21	7 20.40	+25 0.7	2.304	3.097	12.7	20.9
110974 2001 UP_{179}			1 16.2 47°.15		0°.9/16.7 18	
12 13	8 13.87	+14 32.8	1.554	2.377	16.2	18.5
12 23	8 9.22	+15 30.8	1.493	2.391	12.2	18.3
1 2	8 1.93	+16 43.9	1.454	2.406	7.5	18.1
1 12	7 52.89	+18 6.6	1.441	2.421	2.6	17.8
1 22	7 43.28	+19 32.0	1.457	2.436	2.9	17.8
2 1	7 34.46	+20 52.8	1.501	2.452	7.6	18.2
2 11	7 27.62	+22 4.0	1.571	2.468	12.0	18.5
2 21	7 23.53	+23 2.9	1.663	2.485	15.6	18.7
366432 2001 WP_{2}			1 16.2 137°.16		15°.4/ 8.3 18	
12 13	8 34.23	+45 26.9	1.164	1.984	20.7	21.0
12 23	8 27.80	+48 57.0	1.125	1.993	17.8	20.9
1 2	8 15.11	+52 9.9	1.108	2.002	15.8	20.8
1 12	7 57.26	+54 41.1	1.114	2.010	15.6	20.8
1 22	7 37.10	+56 13.1	1.142	2.017	17.0	20.9
2 1	7 18.62	+56 42.8	1.191	2.024	19.5	21.1
2 11	7 5.27	+56 20.8	1.257	2.030	22.1	21.3
2 21	6 58.52	+55 23.6	1.336	2.036	24.5	21.5
309255 2007 RD_{52}			1 16.2 184°.35		2°.0/15.6 18	
12 13	8 20.54	+25 41.6	1.850	2.669	14.1	20.8
12 23	8 14.03	+25 59.0	1.771	2.669	10.6	20.5
1 2	8 4.81	+26 17.4	1.717	2.669	6.5	20.3
1 12	7 53.76	+26 31.8	1.690	2.669	2.6	20.1
1 22	7 42.11	+26 38.4	1.693	2.668	3.6	20.1
2 1	7 31.22	+26 34.9	1.725	2.666	7.8	20.4
2 11	7 22.35	+26 21.8	1.783	2.664	11.7	20.6
2 21	7 16.26	+26 1.0	1.865	2.662	15.1	20.8
6782 1990 SU_{10}			1 16.2 53°.06		0°.2/16.3 18	
12 13	8 15.24	+19 52.1	1.857	2.678	14.0	17.3
12 23	8 9.92	+19 56.9	1.784	2.683	10.5	17.1
1 2	8 2.22	+20 7.2	1.735	2.688	6.4	16.8
1 12	7 52.96	+20 20.4	1.713	2.694	2.0	16.6
1 22	7 43.22	+20 33.3	1.720	2.699	2.6	16.6
2 1	7 34.18	+20 43.6	1.756	2.705	6.9	16.9
2 11	7 26.92	+20 49.8	1.818	2.711	10.9	17.1
2 21	7 22.12	+20 51.6	1.903	2.717	14.2	17.4
239639 2008 WF_{35}			1 16.2 300°.09		1°.7/16.8 18	
12 13	8 15.29	+15 44.8	1.412	2.241	17.2	20.5
12 23	8 10.81	+15 55.5	1.329	2.230	13.2	20.2
1 2	8 3.23	+16 19.6	1.268	2.220	8.4	19.9
1 12	7 53.38	+16 54.4	1.231	2.210	3.2	19.6
1 22	7 42.58	+17 35.3	1.221	2.200	3.4	19.6
2 1	7 32.42	+18 17.3	1.238	2.191	8.7	19.9
2 11	7 24.43	+18 56.0	1.279	2.181	13.7	20.1
2 21	7 19.60	+19 28.8	1.341	2.172	18.0	20.4
65996 1998 MX_{5}			1 16.2 103°.15		1°.6/17.2 18	
12 13	8 16.10	+13 59.7	3.191	3.968	9.7	24.6
12 23	8 9.41	+14 2.0	3.132	4.004	7.4	24.5
1 2	8 1.41	+14 10.2	3.100	4.039	4.7	24.4
1 12	7 52.64	+14 22.8	3.099	4.073	2.2	24.3
1 22	7 43.74	+14 38.4	3.131	4.106	2.1	24.3
2 1	7 35.35	+14 55.4	3.196	4.139	4.5	24.5
2 11	7 28.05	+15 12.4	3.291	4.170	6.9	24.7
2 21	7 22.27	+15 28.3	3.413	4.200	9.1	24.9
78530 2002 RW_{100}			1 16.2 53°.18		7°.5/20.1 18	
12 13	8 10.89	− 1 45.3	2.174	2.918	14.7	19.1
12 23	8 6.33	− 2 20.2	2.099	2.924	12.4	19.0
1 2	7 59.90	− 2 36.0	2.045	2.930	10.0	18.8
1 12	7 52.26	− 2 30.7	2.015	2.937	8.1	18.7
1 22	7 44.20	− 2 4.6	2.013	2.943	7.5	18.7
2 1	7 36.62	− 1 20.1	2.037	2.950	8.7	18.8
2 11	7 30.36	− 0 21.7	2.088	2.957	10.8	18.9
2 21	7 26.01	+ 0 45.1	2.162	2.963	13.1	19.1

432492 2010 EM_{81} 1 16.2 154.°69 8.°5/12.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 24.71	+49 2.1	2.512	3.285	12.2	21.1
12 23	8 17.10	+49 58.4	2.450	3.288	10.4	21.0
1 2	8 6.63	+50 40.3	2.413	3.290	9.0	20.9
1 12	7 54.30	+51 0.8	2.402	3.293	8.5	20.9
1 22	7 41.49	+50 55.9	2.417	3.295	9.0	20.9
2 1	7 29.69	+50 25.1	2.458	3.297	10.4	21.0
2 11	7 20.17	+49 32.0	2.524	3.299	12.1	21.1
2 21	7 13.66	+48 22.5	2.610	3.301	13.8	21.3

323940 2005 UR_{3} 1 16.2 90.°05 2.°9/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.02	+27 2.5	1.874	2.700	13.7	20.6
12 23	8 11.36	+27 45.5	1.807	2.708	10.2	20.4
1 2	8 3.16	+28 29.4	1.764	2.716	6.4	20.2
1 12	7 53.27	+29 8.4	1.749	2.724	3.2	20.0
1 22	7 42.86	+29 37.4	1.762	2.733	4.3	20.1
2 1	7 33.22	+29 53.6	1.804	2.741	7.9	20.3
2 11	7 25.50	+29 56.8	1.873	2.749	11.5	20.6
2 21	7 20.42	+29 48.9	1.963	2.757	14.6	20.8

371701 2007 ER_{6} 1 16.2 194.°76 1.°2/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.29	+15 46.6	2.402	3.202	11.9	22.0
12 23	8 8.80	+15 59.0	2.314	3.200	9.0	21.8
1 2	8 1.41	+16 19.1	2.251	3.198	5.7	21.5
1 12	7 52.73	+16 44.9	2.217	3.195	2.2	21.3
1 22	7 43.57	+17 13.7	2.213	3.191	2.3	21.3
2 1	7 34.84	+17 43.1	2.240	3.187	5.8	21.5
2 11	7 27.40	+18 10.6	2.295	3.183	9.2	21.7
2 21	7 21.88	+18 34.9	2.376	3.178	12.1	21.9

522685 2016 JC_{26} 1 16.2 224.°71 7.°8/21.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 10.36	−10 44.4	3.212	3.873	11.9	23.1
12 23	8 5.51	−11 18.8	3.112	3.861	10.6	23.0
1 2	7 59.26	−11 36.3	3.033	3.849	9.2	22.9
1 12	7 52.07	−11 34.5	2.979	3.836	8.2	22.8
1 22	7 44.48	−11 12.9	2.952	3.822	7.8	22.7
2 1	7 37.12	−10 32.3	2.951	3.808	8.3	22.7
2 11	7 30.61	− 9 35.7	2.977	3.794	9.4	22.8
2 21	7 25.44	− 8 27.3	3.027	3.779	10.9	22.9

253291 2003 BB_{62} 1 16.2 335.°24 2.°6/17.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 10.66	+13 24.6	1.416	2.247	17.0	19.4
12 23	8 7.32	+13 35.1	1.332	2.233	13.2	19.1
1 2	8 1.09	+14 1.7	1.268	2.219	8.6	18.8
1 12	7 52.75	+14 42.8	1.229	2.206	3.9	18.5
1 22	7 43.50	+15 34.1	1.216	2.194	3.7	18.5
2 1	7 34.80	+16 30.2	1.229	2.183	8.5	18.7
2 11	7 28.11	+17 25.3	1.266	2.173	13.4	19.0
2 21	7 24.37	+18 15.3	1.324	2.165	17.7	19.2

335668 2006 ST_{372} 1 16.2 105.°52 0.°3/16.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 22.36	+21 0.4	1.373	2.202	17.6	22.0
12 23	8 15.84	+21 9.5	1.313	2.216	13.2	21.8
1 2	8 6.06	+21 24.9	1.275	2.230	8.0	21.5
1 12	7 54.17	+21 41.7	1.263	2.243	2.4	21.2
1 22	7 41.74	+21 55.5	1.278	2.257	3.3	21.3
2 1	7 30.48	+22 3.3	1.320	2.269	8.7	21.7
2 11	7 21.84	+22 4.3	1.387	2.282	13.4	22.0
2 21	7 16.58	+21 59.4	1.476	2.294	17.4	22.3

272995 2006 DT_{48} 1 16.2 1.°96 0.°4/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.29	+18 23.9	1.597	2.429	15.4	20.6
12 23	8 8.14	+18 42.6	1.523	2.428	11.6	20.3
1 2	8 1.36	+19 10.5	1.472	2.427	7.1	20.1
1 12	7 52.77	+19 44.3	1.447	2.428	2.3	19.8
1 22	7 43.55	+20 19.5	1.449	2.429	2.8	19.8
2 1	7 35.03	+20 52.1	1.478	2.430	7.7	20.1
2 11	7 28.42	+21 19.0	1.533	2.433	12.0	20.4
2 21	7 24.51	+21 39.0	1.610	2.436	15.7	20.6

195529 2002 JQ_{28} 1 16.2 193.°91 6.°8/19.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.05	+ 0 45.2	2.328	3.076	13.7	20.2
12 23	8 7.86	− 0 1.5	2.243	3.075	11.5	20.0
1 2	8 0.83	− 0 32.8	2.180	3.074	9.1	19.8
1 12	7 52.57	− 0 46.6	2.144	3.072	7.2	19.7
1 22	7 43.84	− 0 42.5	2.135	3.070	6.9	19.7
2 1	7 35.53	− 0 21.7	2.155	3.068	8.2	19.8
2 11	7 28.47	+ 0 12.5	2.201	3.066	10.5	19.9
2 21	7 23.27	+ 0 55.7	2.271	3.064	12.9	20.1

20232 1997 YK_{2} 1 16.2 192.°51 0.°2/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 21.30	+20 52.4	1.541	2.364	16.3	19.0
12 23	8 15.03	+20 59.7	1.463	2.363	12.3	18.7
1 2	8 5.64	+21 13.0	1.408	2.362	7.5	18.5
1 12	7 54.09	+21 28.2	1.379	2.360	2.3	18.1
1 22	7 41.77	+21 41.0	1.378	2.357	3.2	18.2
2 1	7 30.29	+21 48.5	1.406	2.354	8.4	18.5
2 11	7 21.10	+21 49.7	1.459	2.351	13.1	18.7
2 21	7 15.08	+21 45.2	1.534	2.347	17.1	19.0

456264 2006 RP_{21} 1 16.2 53.°91 8.°0/20.3 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.29	+ 0 11.9	1.464	2.239	19.3	21.3
12 23	8 10.05	− 0 7.0	1.418	2.269	15.8	21.1
1 2	8 2.28	+ 0 0.7	1.392	2.300	12.1	21.0
1 12	7 52.98	+ 0 35.8	1.389	2.330	9.1	20.9
1 22	7 43.39	+ 1 35.1	1.411	2.361	8.1	20.9
2 1	7 34.79	+ 2 52.4	1.460	2.392	9.8	21.1
2 11	7 28.26	+ 4 19.5	1.534	2.422	12.8	21.3
2 21	7 24.41	+ 5 48.3	1.630	2.453	15.7	21.6

498861 2008 YL_{44} 1 16.2 4.°02 1.°1/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.19	+23 54.3	1.871	2.699	13.6	20.6
12 23	8 9.22	+23 58.7	1.796	2.699	10.2	20.4
1 2	8 1.84	+24 5.0	1.744	2.699	6.2	20.1
1 12	7 52.89	+24 9.9	1.720	2.700	2.1	19.9
1 22	7 43.44	+24 10.6	1.724	2.702	3.0	19.9
2 1	7 34.69	+24 5.2	1.756	2.704	7.1	20.2
2 11	7 27.72	+23 53.5	1.815	2.706	11.0	20.4
2 21	7 23.23	+23 36.3	1.897	2.709	14.3	20.7

344839 2004 FC_{143} 1 16.2 250.°50 10.°0/ 7.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 27.17	+56 22.1	2.817	3.554	11.8	21.2
12 23	8 19.73	+57 57.3	2.750	3.540	10.8	21.1
1 2	8 8.76	+59 17.3	2.707	3.525	10.1	21.1
1 12	7 55.12	+60 14.0	2.688	3.510	10.1	21.0
1 22	7 40.29	+60 41.8	2.694	3.495	10.7	21.0
2 1	7 26.16	+60 39.1	2.723	3.480	11.8	21.1
2 11	7 14.45	+60 8.9	2.773	3.464	13.1	21.2
2 21	7 6.29	+59 16.9	2.841	3.448	14.3	21.3

328590 2009 SQ_{61} 1 16.2 110.°57 2.°1/15.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.38	+26 10.2	1.997	2.817	13.2	20.8
12 23	8 11.45	+26 31.8	1.925	2.824	9.8	20.6
1 2	8 3.14	+26 53.8	1.879	2.831	6.1	20.4
1 12	7 53.27	+27 11.9	1.860	2.838	2.6	20.2
1 22	7 42.95	+27 22.4	1.870	2.844	3.5	20.3
2 1	7 33.37	+27 23.4	1.910	2.851	7.2	20.5
2 11	7 25.59	+27 15.0	1.977	2.857	10.8	20.7
2 21	7 20.30	+26 58.7	2.067	2.863	13.8	21.0

144208 2004 CS_{10} 1 16.2 313.°48 3.°4/15.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.42	+31 31.8	2.188	3.004	12.3	19.8
12 23	8 12.15	+31 38.2	2.106	3.000	9.4	19.6
1 2	8 3.54	+31 39.9	2.050	2.996	6.2	19.4
1 12	7 53.39	+31 32.8	2.021	2.992	3.6	19.2
1 22	7 42.80	+31 14.2	2.022	2.988	4.3	19.3
2 1	7 32.93	+30 43.3	2.053	2.985	7.4	19.5
2 11	7 24.83	+30 2.0	2.110	2.981	10.6	19.7
2 21	7 19.17	+29 13.1	2.192	2.978	13.5	19.9

235931 2005 EU_{113} 1 16.2 175.°73 3.°8/14.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.14	+30 31.3	2.350	3.169	11.5	20.3
12 23	8 9.72	+31 33.5	2.275	3.170	8.7	20.1
1 2	8 2.10	+32 34.9	2.225	3.170	5.8	19.9
1 12	7 52.99	+33 29.6	2.204	3.171	3.9	19.8
1 22	7 43.30	+34 12.8	2.212	3.171	4.8	19.8
2 1	7 34.13	+34 41.4	2.251	3.171	7.5	20.0
2 11	7 26.47	+34 55.1	2.315	3.171	10.4	20.2
2 21	7 21.04	+34 55.4	2.403	3.171	13.0	20.4

68599 2002 AU_{62} 1 16.2 265.°39 1.°4/16.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.50	+16 25.4	1.686	2.504	15.4	19.4
12 23	8 11.37	+16 34.7	1.592	2.488	11.7	19.1
1 2	8 3.45	+16 54.5	1.521	2.472	7.4	18.8
1 12	7 53.48	+17 22.4	1.476	2.455	2.8	18.5
1 22	7 42.59	+17 54.7	1.459	2.438	3.0	18.5
2 1	7 32.17	+18 27.5	1.471	2.421	7.9	18.7
2 11	7 23.59	+18 57.5	1.509	2.404	12.5	18.9
2 21	7 17.78	+19 22.7	1.569	2.387	16.5	19.2

52414 1994 CV_{17} 1 16.2 272.°13 1.°4/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.72	+22 58.3	2.027	2.846	13.0	19.2
12 23	8 10.50	+23 31.0	1.927	2.826	9.8	18.9
1 2	8 2.79	+24 8.6	1.852	2.806	6.0	18.7
1 12	7 53.27	+24 46.9	1.805	2.785	2.1	18.4
1 22	7 42.91	+25 21.4	1.787	2.763	3.2	18.4
2 1	7 32.94	+25 48.2	1.798	2.742	7.3	18.6
2 11	7 24.54	+26 5.6	1.837	2.720	11.3	18.8
2 21	7 18.58	+26 13.7	1.898	2.698	14.8	19.0

258093 2001 QK_{133} 1 16.2 135.°97 2.°3/17.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.47	+13 40.8	2.197	2.992	13.0	22.0
12 23	8 10.42	+13 35.6	2.123	3.004	9.9	21.8
1 2	8 2.37	+13 39.3	2.074	3.016	6.5	21.6
1 12	7 53.04	+13 50.6	2.054	3.028	3.1	21.4
1 22	7 43.33	+14 7.4	2.063	3.038	3.0	21.4
2 1	7 34.23	+14 27.4	2.103	3.049	6.2	21.6
2 11	7 26.62	+14 48.4	2.171	3.058	9.6	21.8
2 21	7 21.10	+15 8.6	2.263	3.068	12.5	22.1

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
188820 2005 YW_1			1 16.2	54°.96	0°.6/15.9	18
	h m	° ′			°	m
12 13	8 15.43	+20 7.9	1.648	2.476	15.2	20.1
12 23	8 10.25	+20 45.9	1.591	2.494	11.3	19.9
1 2	8 2.51	+21 31.2	1.557	2.512	6.8	19.7
1 12	7 53.11	+22 18.8	1.549	2.530	2.0	19.4
1 22	7 43.27	+23 3.5	1.570	2.549	3.0	19.5
2 1	7 34.29	+23 41.1	1.619	2.568	7.5	19.8
2 11	7 27.32	+24 9.4	1.694	2.586	11.5	20.1
2 21	7 23.04	+24 28.2	1.791	2.605	14.9	20.4
316145 2009 SC_{330}			1 16.2	149°.09	1°.2/15.2	18
12 13	8 9.14	+24 52.0	3.916	4.723	7.5	21.3
12 23	8 4.42	+25 31.2	3.838	4.730	5.6	21.1
1 2	7 58.51	+26 11.6	3.787	4.737	3.4	21.0
1 12	7 51.85	+26 50.6	3.766	4.744	1.4	20.9
1 22	7 44.92	+27 26.2	3.778	4.751	2.1	20.9
2 1	7 38.26	+27 56.6	3.822	4.757	4.2	21.1
2 11	7 32.38	+28 20.8	3.895	4.763	6.3	21.2
2 21	7 27.69	+28 38.6	3.994	4.769	8.1	21.4
252930 2002 NV_{65}			1 16.2	210°.30	0°.3/16.4	18
12 13	8 16.95	+18 34.6	2.027	2.838	13.4	21.9
12 23	8 11.20	+18 55.8	1.939	2.832	10.1	21.6
1 2	8 3.08	+19 24.3	1.875	2.826	6.2	21.4
1 12	7 53.32	+19 57.0	1.839	2.820	2.0	21.1
1 22	7 42.90	+20 30.2	1.833	2.812	2.5	21.1
2 1	7 32.99	+21 0.4	1.857	2.805	6.8	21.4
2 11	7 24.68	+21 25.5	1.909	2.796	10.7	21.6
2 21	7 18.73	+21 44.5	1.984	2.787	14.1	21.8
274162 2008 FH_{124}			1 16.2	196°.49	0°.4/16.4	18
12 13	8 18.79	+17 49.4	1.499	2.323	16.6	21.9
12 23	8 13.25	+18 17.1	1.422	2.322	12.6	21.6
1 2	8 4.63	+18 56.0	1.367	2.320	7.8	21.4
1 12	7 53.84	+19 41.8	1.338	2.318	2.5	21.0
1 22	7 42.21	+20 28.7	1.336	2.316	3.1	21.1
2 1	7 31.31	+21 11.6	1.363	2.313	8.4	21.4
2 11	7 22.62	+21 47.1	1.415	2.310	13.2	21.6
2 21	7 17.05	+22 13.9	1.488	2.306	17.2	21.9
164430 2006 BW_{267}			1 16.2	240°.03	4°.5/14.6	18
12 13	8 22.15	+31 19.9	1.840	2.659	14.2	20.3
12 23	8 15.65	+32 1.2	1.751	2.646	10.9	20.0
1 2	8 6.08	+32 40.3	1.686	2.632	7.3	19.8
1 12	7 54.29	+33 9.8	1.648	2.617	4.7	19.6
1 22	7 41.60	+33 23.9	1.639	2.602	5.7	19.6
2 1	7 29.58	+33 19.6	1.659	2.586	9.2	19.8
2 11	7 19.69	+32 58.1	1.704	2.569	13.0	20.0
2 21	7 12.88	+32 23.3	1.772	2.552	16.4	20.2
465704 2009 TB_{32}			1 16.2	45°.94	6°.4/13.8	16
12 13	8 19.21	+34 20.9	1.557	2.390	15.6	20.7
12 23	8 13.48	+35 31.5	1.513	2.412	12.1	20.5
1 2	8 4.61	+36 35.3	1.492	2.434	8.6	20.4
1 12	7 53.76	+37 23.4	1.497	2.456	6.5	20.3
1 22	7 42.47	+37 49.4	1.528	2.479	7.5	20.4
2 1	7 32.40	+37 51.8	1.585	2.502	10.4	20.7
2 11	7 24.89	+37 33.1	1.667	2.525	13.6	20.9
2 21	7 20.63	+36 58.7	1.769	2.549	16.4	21.2
158482 2002 DQ_{11}			1 16.3	340°.75	1°.5/15.7	18
12 13	8 14.25	+23 25.5	1.624	2.459	15.0	20.1
12 23	8 9.73	+23 47.2	1.545	2.452	11.3	19.9
1 2	8 2.41	+24 13.2	1.489	2.445	6.9	19.6
1 12	7 53.16	+24 38.9	1.459	2.439	2.4	19.3
1 22	7 43.19	+24 59.7	1.457	2.434	3.5	19.4
2 1	7 33.92	+25 12.2	1.482	2.429	8.1	19.6
2 11	7 26.65	+25 15.4	1.532	2.425	12.5	19.9
2 21	7 22.22	+25 9.8	1.603	2.422	16.2	20.1
389648 2011 MS_6			1 16.3	245°.36	3°.8/17.8	18
12 13	8 16.32	+10 17.0	1.520	2.328	17.2	21.6
12 23	8 11.39	+10 24.9	1.434	2.319	13.5	21.3
1 2	8 3.53	+10 50.9	1.369	2.311	9.2	21.0
1 12	7 53.54	+11 34.0	1.330	2.302	4.9	20.7
1 22	7 42.63	+12 30.4	1.318	2.292	4.5	20.7
2 1	7 32.27	+13 34.6	1.333	2.283	8.6	20.9
2 11	7 23.88	+14 40.5	1.374	2.273	13.2	21.1
2 21	7 18.44	+15 43.2	1.436	2.263	17.3	21.4
39728 1996 WG			1 16.3	5°.16	3°.5/17.4	18
12 13	8 15.87	+12 49.8	1.530	2.346	16.7	19.0
12 23	8 10.85	+12 30.2	1.455	2.346	13.0	18.7
1 2	8 3.06	+12 23.5	1.401	2.346	8.6	18.5
1 12	7 53.36	+12 29.1	1.373	2.346	4.5	18.2
1 22	7 42.98	+12 45.0	1.372	2.346	4.3	18.2
2 1	7 33.34	+13 7.9	1.397	2.347	8.3	18.5
2 11	7 25.73	+13 34.5	1.449	2.348	12.7	18.7
2 21	7 20.96	+14 1.4	1.521	2.349	16.5	18.9

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
522240 2016 AO_{271}			1 16.3	291°.31	6°.1/14.1	16
	h m	° ′			°	m
12 13	8 20.92	+36 2.5	1.842	2.661	14.2	21.4
12 23	8 14.87	+36 40.5	1.751	2.641	11.2	21.1
1 2	8 5.67	+37 11.8	1.684	2.622	8.1	20.9
1 12	7 54.19	+37 28.7	1.644	2.602	6.2	20.7
1 22	7 41.81	+37 25.4	1.631	2.582	7.1	20.7
2 1	7 30.15	+36 59.8	1.645	2.562	10.1	20.9
2 11	7 20.73	+36 14.1	1.684	2.542	13.6	21.0
2 21	7 14.50	+35 13.6	1.745	2.522	16.8	21.2
122981 2000 SL_{239}			1 16.3	132°.51	3°.2/14.9	18
12 13	8 17.42	+28 26.3	2.006	2.828	13.1	20.1
12 23	8 11.61	+29 5.0	1.934	2.832	9.8	19.9
1 2	8 3.33	+29 43.0	1.886	2.836	6.3	19.7
1 12	7 53.41	+30 15.1	1.866	2.840	3.4	19.6
1 22	7 42.96	+30 36.7	1.876	2.844	4.4	19.6
2 1	7 33.22	+30 45.3	1.914	2.848	7.7	19.8
2 11	7 25.29	+30 41.1	1.979	2.851	11.2	20.0
2 21	7 19.92	+30 26.1	2.067	2.854	14.1	20.3
354912 2006 DX_{29}			1 16.3	19°.72	3°.0/15.6	17
12 13	8 14.56	+25 41.5	0.918	1.788	20.8	20.0
12 23	8 11.16	+25 59.6	0.875	1.798	15.5	19.7
1 2	8 3.68	+26 20.1	0.849	1.811	9.5	19.5
1 12	7 53.57	+26 35.5	0.845	1.825	3.8	19.2
1 22	7 42.88	+26 39.5	0.864	1.841	5.2	19.3
2 1	7 33.81	+26 29.6	0.905	1.859	10.9	19.7
2 11	7 28.04	+26 7.2	0.967	1.878	16.1	20.1
2 21	7 26.27	+25 35.6	1.047	1.899	20.5	20.4
522160 2016 AD_{253}			1 16.3	106°.88	0°.4/16.4	18
12 13	8 17.12	+19 36.0	1.904	2.719	13.9	21.7
12 23	8 11.25	+19 37.9	1.833	2.729	10.4	21.5
1 2	8 3.04	+19 45.2	1.786	2.738	6.4	21.2
1 12	7 53.31	+19 55.2	1.767	2.747	2.0	21.0
1 22	7 43.14	+20 5.2	1.777	2.756	2.5	21.0
2 1	7 33.70	+20 12.9	1.817	2.765	6.8	21.3
2 11	7 26.05	+20 17.1	1.883	2.774	10.7	21.6
2 21	7 20.85	+20 17.5	1.973	2.782	13.9	21.8
282183 2001 TJ_{88}			1 16.3	81°.53	6°.3/19.7	18
12 13	8 11.80	+ 0 25.9	2.391	3.138	13.4	20.7
12 23	8 6.80	− 0 4.0	2.323	3.155	11.1	20.5
1 2	8 0.12	− 0 17.5	2.278	3.172	8.7	20.4
1 12	7 52.40	− 0 13.5	2.260	3.190	6.8	20.3
1 22	7 44.38	+ 0 7.3	2.269	3.207	6.3	20.3
2 1	7 36.86	+ 0 42.7	2.307	3.224	7.5	20.4
2 11	7 30.59	+ 1 28.7	2.371	3.241	9.6	20.6
2 21	7 26.07	+ 2 21.2	2.460	3.258	11.8	20.7
242560 2005 EZ_{159}			1 16.3	356°.28	2°.7/17.3	18
12 13	8 9.49	+13 56.5	1.454	2.287	16.6	20.2
12 23	8 6.27	+13 53.4	1.379	2.281	12.7	19.9
1 2	8 0.35	+14 4.0	1.326	2.276	8.3	19.7
1 12	7 52.58	+14 27.0	1.296	2.273	3.9	19.4
1 22	7 44.10	+14 59.1	1.293	2.271	3.7	19.4
2 1	7 36.31	+15 36.1	1.316	2.270	8.1	19.6
2 11	7 30.46	+16 13.6	1.363	2.271	12.6	19.9
2 21	7 27.37	+16 48.2	1.431	2.273	16.5	20.1
164662 1996 TC_9			1 16.3	51°.67	4°.7/14.2	18
12 13	8 16.66	+33 23.6	2.082	2.904	12.7	20.1
12 23	8 11.02	+34 9.2	2.018	2.912	9.7	19.9
1 2	8 2.95	+34 50.2	1.979	2.921	6.7	19.7
1 12	7 53.30	+35 20.8	1.968	2.930	4.8	19.6
1 22	7 43.20	+35 36.5	1.985	2.940	5.6	19.7
2 1	7 33.87	+35 35.6	2.030	2.949	8.3	19.9
2 11	7 26.40	+35 19.3	2.101	2.959	11.2	20.1
2 21	7 21.46	+34 50.6	2.194	2.968	13.8	20.3
236116 2005 SX_{104}			1 16.3	124°.19	4°.0/18.7	18
12 13	8 10.48	+ 4 59.8	3.118	3.875	10.4	20.5
12 23	8 5.51	+ 4 41.8	3.041	3.888	8.4	20.3
1 2	7 59.22	+ 4 34.3	2.990	3.901	6.2	20.2
1 12	7 52.13	+ 4 37.5	2.966	3.913	4.4	20.1
1 22	7 44.78	+ 4 50.7	2.972	3.925	4.1	20.1
2 1	7 37.79	+ 5 12.4	3.009	3.937	5.5	20.2
2 11	7 31.75	+ 5 40.3	3.074	3.949	7.5	20.4
2 21	7 27.06	+ 6 11.9	3.166	3.960	9.5	20.5
23935 1998 TU_6			1 16.3	131°.01	0°.6/15.9	18
12 13	8 14.55	+21 28.6	2.361	3.173	11.7	19.2
12 23	8 9.04	+21 55.2	2.286	3.181	8.7	19.0
1 2	8 1.59	+22 25.8	2.237	3.190	5.2	18.8
1 12	7 52.88	+22 57.2	2.217	3.198	1.6	18.6
1 22	7 43.76	+23 25.9	2.228	3.206	2.4	18.6
2 1	7 35.19	+23 49.5	2.269	3.213	5.9	18.9
2 11	7 28.01	+24 6.7	2.337	3.220	9.2	19.1
2 21	7 22.84	+24 17.3	2.431	3.227	12.0	19.3

346143 2007 VK_{234} 1 16.3 303°.16 1°.5/16.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 11.90	+16 6.9	2.228	3.038	12.4	21.0
12 23	8 7.28	+16 6.7	2.133	3.024	9.4	20.8
1 2	8 0.66	+16 13.9	2.062	3.010	6.0	20.5
1 12	7 52.64	+16 27.3	2.018	2.996	2.4	20.3
1 22	7 44.05	+16 44.5	2.004	2.982	2.5	20.3
2 1	7 35.85	+17 3.3	2.020	2.969	6.2	20.5
2 11	7 28.97	+17 21.6	2.063	2.956	9.8	20.7
2 21	7 24.09	+17 37.9	2.129	2.942	12.9	20.8

142565 2002 TN_{75} 1 16.3 65°.70 6°.0/13.8 18

12 13	8 19.52	+33 14.5	1.646	2.475	15.1	19.8
12 23	8 13.84	+34 23.1	1.582	2.480	11.7	19.6
1 2	8 5.00	+35 27.8	1.542	2.484	8.2	19.4
1 12	7 53.99	+36 19.7	1.527	2.489	6.0	19.3
1 22	7 42.27	+36 51.8	1.540	2.494	7.1	19.3
2 1	7 31.49	+37 1.1	1.580	2.499	10.3	19.5
2 11	7 23.11	+36 49.2	1.644	2.504	13.7	19.8
2 21	7 17.97	+36 20.6	1.729	2.509	16.8	20.0

313146 2001 DH_{13} 1 16.3 351°.11 16°.1/26.9 16

12 13	8 12.73	−16 10.0	1.081	1.807	27.5	19.8
12 23	8 9.55	−16 12.7	1.009	1.803	24.8	19.5
1 2	8 2.83	−15 19.7	0.949	1.800	21.7	19.3
1 12	7 53.45	−13 20.4	0.905	1.798	18.6	19.1
1 22	7 42.91	−10 13.2	0.880	1.796	16.4	19.0
2 1	7 33.11	− 6 8.9	0.878	1.796	16.4	19.0
2 11	7 25.86	− 1 31.4	0.900	1.796	18.7	19.1
2 21	7 22.30	+ 3 11.7	0.944	1.797	22.2	19.3

519490 2012 DK_{103} 1 16.3 264°.72 10°.5/22.3 18

12 13	8 12.07	− 9 11.7	1.950	2.657	17.3	21.6
12 23	8 7.55	− 9 44.5	1.869	2.656	15.2	21.4
1 2	8 0.87	− 9 50.5	1.808	2.656	13.0	21.3
1 12	7 52.72	− 9 26.2	1.768	2.656	11.2	21.2
1 22	7 44.00	− 8 31.0	1.753	2.655	10.5	21.1
2 1	7 35.75	− 7 8.0	1.763	2.655	11.1	21.1
2 11	7 28.98	− 5 24.3	1.799	2.654	12.9	21.3
2 21	7 24.38	− 3 28.4	1.858	2.654	15.2	21.4

145220 2005 JC_{56} 1 16.3 160°.48 0°.5/16.6 18

12 13	8 12.18	+16 7.4	2.733	3.531	10.6	20.2
12 23	8 7.11	+16 54.8	2.648	3.535	8.0	20.0
1 2	8 0.38	+17 50.2	2.591	3.539	4.9	19.8
1 12	7 52.54	+18 50.5	2.563	3.542	1.6	19.6
1 22	7 44.27	+19 52.3	2.567	3.546	1.9	19.6
2 1	7 36.36	+20 51.8	2.602	3.548	5.2	19.9
2 11	7 29.53	+21 46.5	2.667	3.551	8.2	20.1
2 21	7 24.36	+22 34.4	2.757	3.553	10.8	20.2

301221 2009 BL_{5} 1 16.3 1°.16 4°.5/17.5 18

12 13	8 15.35	+12 18.1	1.334	2.158	18.3	19.7
12 23	8 10.80	+11 37.8	1.263	2.157	14.3	19.5
1 2	8 3.19	+11 11.2	1.212	2.156	9.7	19.2
1 12	7 53.48	+10 59.1	1.185	2.156	5.5	19.0
1 22	7 43.03	+11 0.5	1.184	2.157	5.2	19.0
2 1	7 33.43	+11 13.0	1.208	2.158	9.3	19.2
2 11	7 26.09	+11 32.8	1.256	2.160	13.8	19.5
2 21	7 21.88	+11 56.0	1.325	2.162	17.9	19.7

432179 2009 CO_{38} 1 16.3 44°.17 1°.0/15.9 18

12 13	8 14.89	+23 22.9	1.987	2.810	13.1	21.1
12 23	8 9.54	+23 31.2	1.922	2.823	9.8	20.9
1 2	8 1.98	+23 41.8	1.881	2.835	5.9	20.7
1 12	7 53.02	+23 51.4	1.868	2.848	1.9	20.5
1 22	7 43.71	+23 57.2	1.883	2.861	2.7	20.5
2 1	7 35.13	+23 57.3	1.928	2.875	6.7	20.8
2 11	7 28.27	+23 51.5	2.000	2.888	10.2	21.1
2 21	7 23.73	+23 40.3	2.095	2.902	13.3	21.3

221291 2005 UF_{440} 1 16.3 49°.63 6°.8/18.5 18

12 13	8 14.72	+ 4 31.4	1.817	2.595	16.0	20.1
12 23	8 9.54	+ 3 34.7	1.742	2.599	13.0	19.9
1 2	8 2.08	+ 2 54.0	1.689	2.603	9.9	19.8
1 12	7 53.09	+ 2 31.8	1.662	2.607	7.4	19.6
1 22	7 43.58	+ 2 28.6	1.661	2.612	7.0	19.6
2 1	7 34.69	+ 2 42.9	1.688	2.616	9.0	19.7
2 11	7 27.46	+ 3 10.9	1.740	2.620	12.0	19.9
2 21	7 22.57	+ 3 47.8	1.815	2.625	14.9	20.1

341887 2008 GM_{133} 1 16.3 217°.19 1°.4/15.8 18

12 13	8 20.07	+22 4.5	1.536	2.363	16.1	21.8
12 23	8 14.32	+22 40.7	1.455	2.357	12.1	21.5
1 2	8 5.40	+23 24.1	1.397	2.352	7.4	21.2
1 12	7 54.19	+24 8.9	1.365	2.346	2.5	20.9
1 22	7 42.06	+24 48.7	1.362	2.339	3.7	21.0
2 1	7 30.64	+25 18.7	1.386	2.332	8.8	21.2
2 11	7 21.47	+25 37.1	1.436	2.325	13.5	21.5
2 21	7 15.51	+25 44.5	1.507	2.317	17.5	21.7

371059 2005 UY_{238} 1 16.3 236°.47 4°.9/13.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 18.50	+32 53.4	2.269	3.083	12.0	20.9
12 23	8 12.59	+34 9.8	2.180	3.070	9.3	20.7
1 2	8 4.12	+35 25.0	2.118	3.056	6.6	20.6
1 12	7 53.78	+36 31.8	2.084	3.043	5.0	20.4
1 22	7 42.58	+37 24.0	2.080	3.028	6.0	20.5
2 1	7 31.80	+37 57.6	2.105	3.013	8.7	20.6
2 11	7 22.64	+38 12.2	2.156	2.998	11.6	20.8
2 21	7 15.98	+38 10.3	2.230	2.982	14.3	20.9

394905 2008 US_{367} 1 16.3 114°.62 3°.3/17.7 17

12 13	8 18.73	+11 5.1	1.707	2.506	16.0	21.6
12 23	8 12.56	+11 9.2	1.643	2.524	12.4	21.4
1 2	8 3.91	+11 27.7	1.601	2.541	8.2	21.2
1 12	7 53.63	+11 58.8	1.586	2.558	4.3	21.0
1 22	7 42.91	+12 39.0	1.600	2.574	3.9	21.0
2 1	7 33.01	+13 24.1	1.643	2.590	7.5	21.3
2 11	7 25.03	+14 9.9	1.713	2.605	11.4	21.6
2 21	7 19.68	+14 53.2	1.805	2.620	14.8	21.8

22776 Matossian 1 16.3 122°.77 4°.5/14.6 18

12 13	8 22.37	+30 3.9	1.652	2.476	15.3	18.4
12 23	8 15.76	+30 57.7	1.590	2.488	11.6	18.2
1 2	8 6.07	+31 49.6	1.552	2.500	7.6	18.0
1 12	7 54.32	+32 31.7	1.541	2.511	4.6	17.8
1 22	7 41.99	+32 57.8	1.558	2.522	5.7	17.9
2 1	7 30.68	+33 5.1	1.603	2.532	9.3	18.2
2 11	7 21.77	+32 55.1	1.673	2.541	13.0	18.4
2 21	7 16.07	+32 31.6	1.764	2.551	16.3	18.6

58701 1998 BR_{42} 1 16.3 336°.56 0°.3/16.2 18

12 13	8 18.61	+23 53.7	2.213	3.025	12.4	18.6
12 23	8 12.14	+23 24.5	2.129	3.023	9.3	18.4
1 2	8 3.51	+22 54.7	2.069	3.021	5.7	18.1
1 12	7 53.50	+22 22.6	2.039	3.019	1.7	17.9
1 22	7 43.09	+21 47.1	2.039	3.018	2.4	17.9
2 1	7 33.35	+21 8.4	2.070	3.016	6.3	18.2
2 11	7 25.24	+20 27.6	2.130	3.015	9.9	18.4
2 21	7 19.39	+19 46.0	2.214	3.014	12.9	18.6

104484 2000 GQ_{24} 1 16.3 194°.11 6°.7/13.1 18

12 13	8 23.26	+40 17.4	2.309	3.108	12.3	20.8
12 23	8 16.09	+41 17.0	2.235	3.106	10.0	20.7
1 2	8 6.16	+42 7.9	2.186	3.103	7.8	20.5
1 12	7 54.36	+42 42.8	2.164	3.100	6.7	20.4
1 22	7 41.91	+42 56.7	2.171	3.096	7.4	20.5
2 1	7 30.21	+42 47.8	2.206	3.092	9.5	20.6
2 11	7 20.52	+42 18.4	2.267	3.087	11.9	20.7
2 21	7 13.64	+41 33.3	2.350	3.081	14.2	20.9

401899 2001 SD_{298} 1 16.3 62°.10 3°.9/18.3 18

12 13	8 11.36	+ 8 5.0	2.221	3.007	13.2	20.7
12 23	8 6.71	+ 8 2.9	2.145	3.014	10.4	20.5
1 2	8 0.21	+ 8 14.2	2.092	3.022	7.3	20.3
1 12	7 52.50	+ 8 38.2	2.067	3.030	4.6	20.2
1 22	7 44.40	+ 9 13.0	2.070	3.037	4.1	20.2
2 1	7 36.79	+ 9 55.6	2.103	3.045	6.5	20.3
2 11	7 30.49	+10 42.4	2.163	3.053	9.5	20.5
2 21	7 26.09	+11 29.8	2.247	3.061	12.3	20.7

377101 2002 WP_{19} 1 16.3 50°.80 3°.8/14.2 18

12 13	8 14.81	+29 50.7	2.124	2.948	12.4	20.4
12 23	8 9.65	+30 50.7	2.056	2.954	9.3	20.2
1 2	8 2.17	+31 49.9	2.013	2.961	6.2	20.1
1 12	7 53.14	+32 42.4	1.998	2.967	3.9	19.9
1 22	7 43.58	+33 22.9	2.012	2.974	4.9	20.0
2 1	7 34.64	+33 48.5	2.055	2.980	7.8	20.2
2 11	7 27.38	+33 58.9	2.124	2.987	10.9	20.4
2 21	7 22.49	+33 56.0	2.216	2.994	13.6	20.6

213751 2002 XS_{66} 1 16.3 134°.22 1°.1/16.8 18

12 13	8 17.75	+16 27.5	2.373	3.168	12.1	21.0
12 23	8 11.27	+16 34.8	2.302	3.186	9.1	20.8
1 2	8 2.89	+16 48.6	2.256	3.202	5.7	20.7
1 12	7 53.32	+17 6.9	2.240	3.218	2.2	20.4
1 22	7 43.42	+17 27.2	2.255	3.233	2.3	20.5
2 1	7 34.12	+17 47.3	2.301	3.248	5.7	20.7
2 11	7 26.26	+18 5.4	2.376	3.261	9.0	21.0
2 21	7 20.41	+18 20.7	2.477	3.274	11.8	21.2

320811 2008 FO_{9} 1 16.3 170°.52 3°.2/15.1 18

12 13	8 18.86	+28 21.8	1.855	2.679	13.9	21.5
12 23	8 12.91	+28 54.2	1.781	2.680	10.5	21.3
1 2	8 4.27	+29 26.0	1.730	2.681	6.7	21.0
1 12	7 53.80	+29 51.4	1.707	2.681	3.5	20.8
1 22	7 42.74	+30 5.8	1.712	2.682	4.5	20.9
2 1	7 32.44	+30 6.8	1.747	2.682	8.2	21.1
2 11	7 24.14	+29 55.0	1.807	2.683	11.9	21.3
2 21	7 18.60	+29 32.7	1.890	2.683	15.1	21.6

64630 2001 XT_{45} 1 16.3 63°.86 5°.9/14.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 20.22	+34 25.0	1.722	2.547	14.7	19.1
12 23	8 14.09	+35 21.5	1.668	2.562	11.4	19.0
1 2	8 5.00	+36 11.7	1.637	2.578	8.0	18.8
1 12	7 54.01	+36 47.7	1.633	2.593	5.9	18.7
1 22	7 42.54	+37 4.2	1.657	2.609	6.9	18.8
2 1	7 32.15	+36 59.3	1.708	2.625	9.7	19.0
2 11	7 24.12	+36 35.7	1.783	2.641	12.9	19.2
2 21	7 19.18	+35 57.9	1.879	2.657	15.7	19.5

379094 2008 XL_{53} 1 16.3 12°.22 5°.2/15.1 18

12 13	8 19.46	+34 49.3	1.660	2.488	15.0	19.9
12 23	8 13.56	+34 56.4	1.595	2.492	11.6	19.7
1 2	8 4.67	+34 54.8	1.553	2.497	8.0	19.5
1 12	7 53.90	+34 38.9	1.537	2.503	5.4	19.4
1 22	7 42.71	+34 5.2	1.548	2.510	6.1	19.4
2 1	7 32.66	+33 14.3	1.587	2.517	9.3	19.6
2 11	7 25.04	+32 10.0	1.651	2.526	12.8	19.9
2 21	7 20.51	+30 57.5	1.736	2.535	16.0	20.1

296722 2009 SJ_{352} 1 16.3 252°.93 4°.0/17.9 18

12 13	8 13.88	+ 9 50.9	1.997	2.791	14.2	20.6
12 23	8 8.87	+ 9 32.0	1.911	2.786	11.2	20.4
1 2	8 1.69	+ 9 25.5	1.847	2.781	7.8	20.2
1 12	7 53.02	+ 9 31.4	1.811	2.777	4.7	20.0
1 22	7 43.77	+ 9 48.3	1.803	2.772	4.4	20.0
2 1	7 35.02	+10 14.0	1.824	2.767	7.2	20.1
2 11	7 27.75	+10 45.2	1.871	2.762	10.7	20.3
2 21	7 22.68	+11 18.7	1.942	2.757	13.9	20.5

323469 2004 KH_{18} 1 16.3 235°.83 5°.1/13.5 18

12 13	8 18.66	+32 45.2	2.098	2.916	12.7	21.2
12 23	8 12.86	+33 59.8	2.014	2.906	9.8	21.0
1 2	8 4.36	+35 13.0	1.956	2.896	6.9	20.8
1 12	7 53.90	+36 17.1	1.925	2.885	5.2	20.7
1 22	7 42.59	+37 5.7	1.923	2.874	6.2	20.7
2 1	7 31.78	+37 34.8	1.950	2.862	9.1	20.8
2 11	7 22.76	+37 44.3	2.003	2.850	12.2	21.0
2 21	7 16.41	+37 36.9	2.078	2.838	15.0	21.2

100271 1994 VP_{1} 1 16.3 45°.20 3°.6/17.3 18

12 13	8 16.75	+13 27.9	1.428	2.248	17.5	18.8
12 23	8 11.45	+12 56.0	1.370	2.264	13.4	18.6
1 2	8 3.37	+12 36.6	1.334	2.280	8.9	18.4
1 12	7 53.53	+12 29.3	1.323	2.297	4.6	18.2
1 22	7 43.26	+12 32.3	1.339	2.314	4.4	18.2
2 1	7 34.00	+12 43.1	1.382	2.332	8.3	18.5
2 11	7 26.95	+12 58.4	1.449	2.350	12.6	18.8
2 21	7 22.80	+13 15.4	1.538	2.368	16.2	19.1

324654 2007 CP_{37} 1 16.3 128°.27 3°.5/18.3 18

12 13	8 13.28	+ 8 13.8	1.975	2.765	14.4	20.4
12 23	8 8.44	+ 8 39.0	1.894	2.768	11.3	20.2
1 2	8 1.43	+ 9 20.8	1.837	2.771	7.8	20.0
1 12	7 52.96	+10 17.6	1.806	2.774	4.5	19.8
1 22	7 43.93	+11 25.6	1.805	2.777	3.9	19.8
2 1	7 35.40	+12 39.8	1.833	2.780	6.9	19.9
2 11	7 28.36	+13 54.8	1.888	2.782	10.4	20.2
2 21	7 23.50	+15 6.4	1.968	2.785	13.7	20.4

239348 2007 RE_{147} 1 16.3 139°.68 1°.0/15.9 18

12 13	8 19.38	+21 49.6	1.920	2.734	13.9	21.2
12 23	8 13.04	+22 24.3	1.850	2.746	10.3	21.0
1 2	8 4.24	+23 4.0	1.805	2.757	6.3	20.8
1 12	7 53.80	+23 43.8	1.788	2.768	2.0	20.5
1 22	7 42.85	+24 19.3	1.800	2.778	2.9	20.6
2 1	7 32.64	+24 47.0	1.843	2.787	7.1	20.9
2 11	7 24.27	+25 5.5	1.913	2.796	10.9	21.1
2 21	7 18.46	+25 15.3	2.006	2.804	14.2	21.4

136395 2004 TO_{212} 1 16.3 119°.67 1°.1/16.7 18

12 13	8 19.78	+16 35.8	1.837	2.643	14.7	21.0
12 23	8 13.26	+16 51.6	1.772	2.662	11.1	20.8
1 2	8 4.31	+17 16.2	1.732	2.681	6.9	20.5
1 12	7 53.80	+17 46.5	1.720	2.699	2.5	20.3
1 22	7 42.89	+18 18.7	1.737	2.716	2.7	20.4
2 1	7 32.78	+18 49.3	1.784	2.732	6.9	20.7
2 11	7 24.57	+19 16.0	1.858	2.748	10.8	20.9
2 21	7 18.91	+19 37.6	1.956	2.763	14.1	21.2

19455 1998 FJ_{145} 1 16.3 150°.64 0°.4/16.1 18

12 13	8 17.78	+19 23.7	1.901	2.715	14.0	18.0
12 23	8 11.92	+20 3.7	1.826	2.722	10.5	17.7
1 2	8 3.61	+20 51.6	1.776	2.729	6.4	17.5
1 12	7 53.63	+21 42.7	1.755	2.735	1.9	17.2
1 22	7 43.07	+22 32.0	1.762	2.741	2.7	17.3
2 1	7 33.16	+23 15.4	1.800	2.746	7.1	17.6
2 11	7 25.01	+23 50.2	1.865	2.751	11.0	17.8
2 21	7 19.37	+24 16.0	1.953	2.755	14.3	18.1

131954 2002 CD_{36} 1 16.3 277°.84 0°.0/16.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.50	+19 6.3	1.586	2.412	15.7	20.0
12 23	8 11.66	+19 33.4	1.494	2.396	11.9	19.7
1 2	8 3.84	+20 10.5	1.425	2.379	7.4	19.4
1 12	7 53.80	+20 53.6	1.382	2.363	2.3	19.0
1 22	7 42.75	+21 37.3	1.367	2.346	3.1	19.0
2 1	7 32.20	+22 16.6	1.380	2.330	8.3	19.3
2 11	7 23.61	+22 48.2	1.418	2.313	13.2	19.5
2 21	7 18.02	+23 10.9	1.477	2.296	17.3	19.8

354152 2002 CN_{138} 1 16.3 359°.52 5°.2/18.0 18

12 13	8 9.24	+10 26.0	1.031	1.877	20.8	20.0
12 23	8 6.92	+10 8.6	0.967	1.872	16.4	19.7
1 2	8 1.18	+10 13.6	0.921	1.869	11.3	19.4
1 12	7 52.99	+10 41.3	0.896	1.868	6.5	19.1
1 22	7 43.90	+11 28.4	0.893	1.869	5.8	19.1
2 1	7 35.72	+12 28.1	0.914	1.871	10.3	19.3
2 11	7 30.12	+13 32.4	0.956	1.875	15.4	19.6
2 21	7 28.04	+14 34.1	1.017	1.881	20.0	19.9

163736 2003 KX_{10} 1 16.3 176°.55 0°.8/16.7 18

12 13	8 18.26	+16 59.7	2.077	2.880	13.4	21.9
12 23	8 12.09	+17 18.7	1.994	2.883	10.1	21.6
1 2	8 3.64	+17 45.9	1.936	2.885	6.3	21.4
1 12	7 53.64	+18 18.2	1.907	2.886	2.2	21.2
1 22	7 43.07	+18 52.3	1.908	2.887	2.5	21.2
2 1	7 33.06	+19 24.8	1.939	2.887	6.6	21.4
2 11	7 24.65	+19 53.3	1.999	2.886	10.3	21.7
2 21	7 18.55	+20 16.7	2.083	2.884	13.6	21.9

395834 2012 XO_{97} 1 16.3 34°.83 1°.2/15.9 18

12 13	8 18.98	+22 59.6	1.198	2.042	18.6	20.7
12 23	8 13.87	+23 7.1	1.138	2.050	13.9	20.4
1 2	8 5.20	+23 19.3	1.100	2.057	8.5	20.2
1 12	7 54.16	+23 31.1	1.085	2.066	2.7	19.8
1 22	7 42.45	+23 37.5	1.096	2.075	3.8	19.9
2 1	7 31.98	+23 35.6	1.132	2.084	9.5	20.3
2 11	7 24.31	+23 25.4	1.192	2.094	14.5	20.6
2 21	7 20.28	+23 8.4	1.271	2.104	18.7	20.9

414928 2011 AM_{49} 1 16.3 68°.44 2°.8/15.1 18

12 13	8 16.81	+26 26.6	1.801	2.629	14.1	21.7
12 23	8 11.37	+27 10.7	1.735	2.637	10.5	21.5
1 2	8 3.33	+27 56.3	1.693	2.646	6.6	21.3
1 12	7 53.55	+28 37.5	1.678	2.655	3.2	21.1
1 22	7 43.23	+29 9.1	1.692	2.663	4.2	21.1
2 1	7 33.70	+29 28.1	1.734	2.672	8.0	21.4
2 11	7 26.12	+29 33.9	1.802	2.681	11.7	21.6
2 21	7 21.24	+29 28.3	1.892	2.690	14.9	21.9

18391 1992 PO_{1} 1 16.3 140°.38 0°.1/16.3 18

12 13	8 20.04	+20 19.5	2.054	2.861	13.4	19.9
12 23	8 13.31	+20 34.4	1.984	2.875	10.0	19.7
1 2	8 4.30	+20 54.2	1.938	2.889	6.1	19.5
1 12	7 53.82	+21 15.3	1.921	2.901	1.8	19.3
1 22	7 42.91	+21 34.5	1.934	2.913	2.5	19.3
2 1	7 32.72	+21 49.4	1.978	2.924	6.6	19.6
2 11	7 24.28	+21 58.9	2.050	2.934	10.3	19.9
2 21	7 18.24	+22 3.0	2.146	2.943	13.4	20.1

152079 2004 RS_{21} 1 16.3 205°.71 1°.4/16.9 18

12 13	8 14.54	+15 32.6	2.223	3.026	12.6	21.0
12 23	8 9.22	+15 44.0	2.136	3.023	9.6	20.8
1 2	8 1.86	+16 4.0	2.073	3.019	6.1	20.6
1 12	7 53.10	+16 30.4	2.038	3.015	2.4	20.3
1 22	7 43.81	+17 0.5	2.033	3.011	2.5	20.3
2 1	7 34.97	+17 31.5	2.058	3.006	6.2	20.5
2 11	7 27.51	+18 0.7	2.111	3.001	9.7	20.7
2 21	7 22.11	+18 26.6	2.189	2.996	12.8	20.9

204209 2004 CO_{29} 1 16.3 104°.67 0°.5/16.1 18

12 13	8 14.98	+21 46.4	2.420	3.231	11.5	21.0
12 23	8 9.27	+21 59.7	2.351	3.245	8.5	20.8
1 2	8 1.73	+22 16.1	2.307	3.259	5.1	20.6
1 12	7 53.02	+22 32.7	2.293	3.273	1.6	20.4
1 22	7 43.99	+22 47.0	2.309	3.287	2.2	20.5
2 1	7 35.54	+22 57.1	2.355	3.301	5.7	20.7
2 11	7 28.50	+23 2.1	2.430	3.314	8.9	20.9
2 21	7 23.40	+23 2.2	2.529	3.327	11.6	21.1

183294 Langbroek 1 16.3 172°.55 0°.4/16.1 18

12 13	8 13.32	+20 32.1	2.567	3.376	10.9	20.7
12 23	8 8.09	+21 3.2	2.485	3.378	8.1	20.5
1 2	8 1.07	+21 39.0	2.428	3.380	4.9	20.3
1 12	7 52.84	+22 16.5	2.400	3.381	1.5	20.0
1 22	7 44.18	+22 52.5	2.404	3.382	2.2	20.1
2 1	7 35.94	+23 24.2	2.438	3.383	5.6	20.3
2 11	7 28.93	+23 49.9	2.500	3.383	8.7	20.5
2 21	7 23.74	+24 9.1	2.588	3.383	11.4	20.7

345727 2007 CV_{17} 1 16.3 2°.49 3°.9/15.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 19.17	+27 41.4	1.163	2.013	18.7	20.2
12 23	8 14.41	+28 10.6	1.099	2.012	14.1	19.9
1 2	8 5.77	+28 40.3	1.055	2.011	9.0	19.6
1 12	7 54.41	+29 2.4	1.035	2.012	4.4	19.4
1 22	7 42.15	+29 9.9	1.039	2.013	5.7	19.5
2 1	7 31.12	+28 59.9	1.068	2.014	10.8	19.7
2 11	7 23.10	+28 34.1	1.120	2.016	15.8	20.0
2 21	7 19.04	+27 56.8	1.190	2.019	20.0	20.3

126196 2002 AO_{33} 1 16.3 92°.75 1°.8/15.6 18

12 13	8 21.32	+23 11.3	1.598	2.422	15.8	20.1
12 23	8 14.76	+23 53.4	1.544	2.445	11.7	19.9
1 2	8 5.36	+24 39.7	1.514	2.468	7.1	19.7
1 12	7 54.16	+25 23.8	1.511	2.491	2.6	19.5
1 22	7 42.55	+26 0.1	1.537	2.513	3.7	19.6
2 1	7 32.00	+26 25.2	1.591	2.534	8.1	19.9
2 11	7 23.74	+26 38.5	1.671	2.556	12.1	20.2
2 21	7 18.48	+26 41.2	1.773	2.576	15.5	20.5

313565 2003 CU 1 16.3 294°.59 0°.4/16.4 18

12 13	8 17.83	+20 56.8	1.757	2.578	14.7	19.9
12 23	8 12.27	+20 36.9	1.666	2.564	11.1	19.6
1 2	8 4.00	+20 20.1	1.598	2.551	6.9	19.4
1 12	7 53.82	+20 4.4	1.557	2.537	2.2	19.0
1 22	7 42.89	+19 47.7	1.545	2.524	2.8	19.0
2 1	7 32.58	+19 29.1	1.561	2.511	7.6	19.3
2 11	7 24.16	+19 8.3	1.604	2.498	12.0	19.5
2 21	7 18.47	+18 46.0	1.669	2.485	15.8	19.7

417687 2007 BM_{14} 1 16.3 122°.50 1°.5/15.7 18

12 13	8 18.02	+24 24.7	2.016	2.833	13.2	21.4
12 23	8 11.95	+24 42.5	1.945	2.842	9.8	21.2
1 2	8 3.53	+25 2.0	1.899	2.851	6.0	20.9
1 12	7 53.61	+25 19.3	1.880	2.860	2.2	20.7
1 22	7 43.24	+25 30.8	1.892	2.868	3.1	20.8
2 1	7 33.60	+25 34.7	1.933	2.876	6.9	21.0
2 11	7 25.73	+25 30.5	2.001	2.884	10.5	21.3
2 21	7 20.29	+25 19.5	2.093	2.891	13.6	21.5

457120 2008 FB_{30} 1 16.3 348°.71 4°.4/15.2 18

12 13	8 17.52	+30 4.2	1.361	2.204	16.8	21.1
12 23	8 12.81	+30 26.3	1.289	2.198	12.8	20.8
1 2	8 4.63	+30 45.6	1.239	2.192	8.4	20.5
1 12	7 54.04	+30 54.8	1.213	2.188	4.7	20.3
1 22	7 42.64	+30 48.5	1.213	2.184	5.8	20.4
2 1	7 32.27	+30 24.7	1.239	2.181	10.1	20.6
2 11	7 24.53	+29 45.7	1.289	2.179	14.6	20.9
2 21	7 20.33	+28 56.0	1.358	2.178	18.5	21.1

111276 2001 XX_{36} 1 16.3 287°.16 1°.4/16.7 18

12 13	8 15.21	+18 0.8	2.391	3.194	11.8	19.2
12 23	8 9.58	+17 31.8	2.296	3.184	9.0	19.0
1 2	8 2.02	+17 6.4	2.226	3.173	5.7	18.8
1 12	7 53.15	+16 43.8	2.185	3.163	2.3	18.6
1 22	7 43.81	+16 23.4	2.175	3.153	2.4	18.5
2 1	7 34.93	+16 4.6	2.195	3.142	5.9	18.8
2 11	7 27.37	+15 47.0	2.244	3.132	9.3	19.0
2 21	7 21.78	+15 30.2	2.317	3.122	12.3	19.1

119770 2001 YK_{136} 1 16.3 350°.11 4°.3/15.3 18

12 13	8 20.02	+31 45.4	1.549	2.381	15.7	19.0
12 23	8 14.29	+31 53.3	1.475	2.377	12.0	18.8
1 2	8 5.34	+31 55.6	1.424	2.373	8.0	18.5
1 12	7 54.23	+31 46.1	1.398	2.370	4.6	18.3
1 22	7 42.48	+31 20.7	1.400	2.368	5.5	18.3
2 1	7 31.77	+30 39.0	1.428	2.366	9.4	18.6
2 11	7 23.54	+29 44.1	1.482	2.365	13.5	18.8
2 21	7 18.60	+28 40.9	1.556	2.364	17.1	19.0

258200 2001 SN_{305} 1 16.3 29°.68 8°.7/20.1 18

12 13	8 12.67	− 1 2.4	1.705	2.468	17.5	20.2
12 23	8 8.22	− 1 46.3	1.633	2.471	14.7	20.1
1 2	8 1.41	− 2 7.3	1.580	2.475	11.8	19.9
1 12	7 53.02	− 2 2.4	1.551	2.479	9.5	19.7
1 22	7 44.05	− 1 31.7	1.547	2.484	8.8	19.7
2 1	7 35.68	− 0 38.2	1.568	2.489	10.2	19.8
2 11	7 29.00	+ 0 31.8	1.615	2.494	12.8	20.0
2 21	7 24.72	+ 1 50.9	1.683	2.499	15.7	20.2

27097 1998 UM_{26} 1 16.3 177°.04 0°.6/16.5 18 R

12 13	8 19.02	+17 19.1	1.821	2.631	14.7	18.7
12 23	8 12.99	+17 48.5	1.741	2.634	11.1	18.5
1 2	8 4.36	+18 27.6	1.685	2.635	6.9	18.2
1 12	7 53.93	+19 12.6	1.657	2.636	2.3	18.0
1 22	7 42.83	+19 58.7	1.658	2.637	2.7	18.0
2 1	7 32.35	+20 41.7	1.688	2.637	7.3	18.3
2 11	7 23.70	+21 18.5	1.746	2.635	11.4	18.5
2 21	7 17.67	+21 47.8	1.827	2.634	15.0	18.7

61077 2000 LU_{15} 1 16.3 266°.84 3°.6/17.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.76	+11 23.1	1.544	2.356	16.8	19.9
12 23	8 10.97	+11 21.5	1.460	2.348	13.1	19.6
1 2	8 3.34	+11 35.7	1.398	2.341	8.9	19.4
1 12	7 53.67	+12 4.8	1.361	2.333	4.7	19.1
1 22	7 43.16	+12 45.7	1.350	2.325	4.3	19.1
2 1	7 33.23	+13 33.9	1.368	2.318	8.4	19.3
2 11	7 25.25	+14 24.4	1.410	2.310	12.9	19.5
2 21	7 20.12	+15 13.0	1.475	2.302	16.9	19.8

73036 2002 EP_{86} 1 16.3 200°.63 0°.7/15.9 18

12 13	8 18.14	+21 1.1	2.020	2.833	13.3	20.8
12 23	8 12.21	+21 33.8	1.934	2.829	10.0	20.5
1 2	8 3.85	+22 12.5	1.873	2.825	6.1	20.3
1 12	7 53.79	+22 53.0	1.840	2.820	1.9	20.0
1 22	7 43.06	+23 30.9	1.837	2.815	2.8	20.1
2 1	7 32.85	+24 2.4	1.864	2.809	7.0	20.3
2 11	7 24.30	+24 25.7	1.919	2.802	10.9	20.5
2 21	7 18.19	+24 40.6	1.997	2.795	14.2	20.7

110701 2001 TQ_{216} 1 16.3 152°.01 5°.5/13.9 18

12 13	8 22.46	+36 55.1	2.290	3.094	12.2	20.7
12 23	8 15.29	+37 41.4	2.222	3.103	9.6	20.5
1 2	8 5.61	+38 20.5	2.180	3.110	7.0	20.4
1 12	7 54.29	+38 46.2	2.166	3.118	5.5	20.3
1 22	7 42.51	+38 54.2	2.182	3.124	6.2	20.3
2 1	7 31.54	+38 43.2	2.226	3.130	8.5	20.5
2 11	7 22.50	+38 15.3	2.297	3.136	11.1	20.7
2 21	7 16.08	+37 34.6	2.391	3.141	13.5	20.9

79133 1990 VG_5 1 16.3 14°.72 0°.3/16.4 18

12 13	8 11.17	+17 0.8	1.164	2.013	18.7	18.6
12 23	8 8.09	+17 44.8	1.106	2.019	14.0	18.3
1 2	8 1.76	+18 44.4	1.068	2.026	8.6	18.1
1 12	7 53.20	+19 53.7	1.054	2.035	2.7	17.7
1 22	7 43.91	+21 4.6	1.065	2.045	3.4	17.8
2 1	7 35.61	+22 9.3	1.101	2.057	9.1	18.2
2 11	7 29.78	+23 2.7	1.160	2.070	14.2	18.5
2 21	7 27.28	+23 42.5	1.239	2.084	18.4	18.8

16410 1986 QU_2 1 16.3 258°.94 2°.0/15.5 18

12 13	8 16.34	+25 2.6	1.933	2.756	13.4	17.8
12 23	8 10.98	+25 33.0	1.853	2.753	10.1	17.6
1 2	8 3.14	+26 5.9	1.797	2.750	6.2	17.4
1 12	7 53.59	+26 36.5	1.768	2.747	2.5	17.1
1 22	7 43.41	+27 0.4	1.769	2.743	3.5	17.2
2 1	7 33.84	+27 14.7	1.798	2.740	7.5	17.4
2 11	7 26.05	+27 18.6	1.854	2.737	11.2	17.6
2 21	7 20.77	+27 13.1	1.933	2.733	14.5	17.8

495629 2015 VF_{36} 1 16.3 16°.67 3°.0/15.4 17

12 13	8 14.76	+24 54.2	1.084	1.943	19.1	20.9
12 23	8 11.11	+25 33.4	1.030	1.949	14.3	20.6
1 2	8 3.73	+26 17.4	0.996	1.956	8.8	20.3
1 12	7 53.82	+26 58.2	0.985	1.964	3.7	20.1
1 22	7 43.17	+27 28.0	0.997	1.974	5.1	20.2
2 1	7 33.77	+27 42.5	1.034	1.984	10.4	20.5
2 11	7 27.29	+27 41.3	1.093	1.996	15.4	20.8
2 21	7 24.58	+27 26.9	1.170	2.010	19.6	21.1

460653 2014 UN_{135} 1 16.3 139°.78 0°.4/16.2 18

12 13	8 16.87	+20 55.6	2.017	2.832	13.3	21.4
12 23	8 11.12	+21 12.7	1.942	2.838	9.9	21.2
1 2	8 3.09	+21 34.7	1.892	2.844	6.0	20.9
1 12	7 53.54	+21 58.2	1.869	2.850	1.8	20.7
1 22	7 43.51	+22 19.5	1.877	2.855	2.5	20.7
2 1	7 34.12	+22 36.2	1.913	2.860	6.7	21.0
2 11	7 26.40	+22 46.9	1.978	2.865	10.4	21.2
2 21	7 21.03	+22 51.5	2.066	2.870	13.6	21.4

42177 2001 CL_{22} 1 16.3 96°.72 1°.7/15.6 18

12 13	8 20.05	+23 9.8	1.714	2.536	14.9	19.3
12 23	8 13.73	+23 51.1	1.657	2.557	11.1	19.1
1 2	8 4.74	+24 36.5	1.624	2.577	6.7	18.9
1 12	7 54.04	+25 20.2	1.617	2.597	2.4	18.7
1 22	7 42.91	+25 56.8	1.640	2.617	3.5	18.8
2 1	7 32.71	+26 22.9	1.692	2.636	7.7	19.1
2 11	7 24.62	+26 37.8	1.771	2.654	11.6	19.4
2 21	7 19.33	+26 42.6	1.872	2.672	14.9	19.6

402554 2006 KM_{108} 1 16.3 277°.46 1°.8/15.7 17

12 13	8 17.78	+23 28.1	1.583	2.413	15.6	22.3
12 23	8 12.70	+24 0.2	1.495	2.399	11.7	22.0
1 2	8 4.54	+24 37.9	1.430	2.385	7.3	21.7
1 12	7 54.10	+25 15.7	1.391	2.371	2.7	21.4
1 22	7 42.68	+25 47.7	1.380	2.357	3.8	21.4
2 1	7 31.86	+26 9.6	1.397	2.342	8.7	21.7
2 11	7 23.15	+26 19.6	1.438	2.328	13.4	21.9
2 21	7 17.53	+26 18.9	1.501	2.314	17.4	22.1

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
127732 2003 EW_{57}			1 16.3 269°.08		1°.6/17.2 18	
	h m	° ′			°	m
12 13	8 13.55	+13 29.4	1.977	2.783	13.8	19.7
12 23	8 8.87	+14 6.6	1.883	2.772	10.6	19.5
1 2	8 1.88	+14 57.4	1.814	2.760	6.8	19.2
1 12	7 53.23	+15 59.0	1.772	2.749	2.8	18.9
1 22	7 43.86	+17 6.9	1.759	2.738	2.7	18.9
2 1	7 34.86	+18 16.0	1.776	2.726	6.8	19.1
2 11	7 27.32	+19 21.6	1.820	2.714	10.8	19.3
2 21	7 22.06	+20 20.4	1.889	2.703	14.3	19.5
37640 Luiginegrelli			1 16.3 37°.38		2°.9/17.1 18	
12 13	8 17.29	+15 12.3	1.358	2.185	17.8	18.3
12 23	8 12.19	+14 47.4	1.293	2.192	13.7	18.0
1 2	8 4.05	+14 33.9	1.249	2.198	8.8	17.8
1 12	7 53.88	+14 30.7	1.229	2.206	4.1	17.5
1 22	7 43.10	+14 35.7	1.236	2.213	4.0	17.5
2 1	7 33.28	+14 45.9	1.269	2.221	8.6	17.8
2 11	7 25.79	+14 58.7	1.327	2.230	13.3	18.1
2 21	7 21.42	+15 11.5	1.405	2.239	17.3	18.4
518148 2016 EZ_{224}			1 16.3 200°.41		2°.9/17.6 18	
12 13	8 13.37	+11 46.1	2.088	2.886	13.5	21.9
12 23	8 8.44	+11 43.2	2.005	2.886	10.4	21.7
1 2	8 1.45	+11 51.6	1.946	2.885	7.0	21.5
1 12	7 53.06	+12 10.4	1.913	2.885	3.7	21.3
1 22	7 44.15	+12 37.3	1.910	2.884	3.4	21.2
2 1	7 35.74	+13 9.5	1.936	2.884	6.6	21.4
2 11	7 28.77	+13 44.0	1.990	2.883	10.1	21.6
2 21	7 23.88	+14 17.9	2.067	2.882	13.2	21.8
146601 2001 TS_{178}			1 16.3 347°.10		1°.0/15.9 18	
12 13	8 16.39	+22 39.7	1.706	2.534	14.7	19.8
12 23	8 11.22	+22 54.6	1.629	2.532	11.0	19.6
1 2	8 3.37	+23 13.7	1.576	2.531	6.7	19.3
1 12	7 53.68	+23 32.9	1.549	2.529	2.2	19.0
1 22	7 43.35	+23 48.1	1.550	2.528	3.1	19.1
2 1	7 33.74	+23 56.7	1.579	2.527	7.7	19.4
2 11	7 26.08	+23 57.6	1.635	2.527	11.9	19.6
2 21	7 21.17	+23 51.5	1.712	2.526	15.5	19.8
334049 2001 MX_{9}			1 16.3 212°.36		1°.5/15.7 17	
12 13	8 16.17	+25 41.1	2.605	3.415	10.8	21.0
12 23	8 10.24	+25 50.7	2.516	3.409	8.1	20.8
1 2	8 2.42	+26 0.4	2.453	3.404	5.0	20.6
1 12	7 53.34	+26 7.3	2.419	3.398	2.0	20.4
1 22	7 43.81	+26 8.9	2.417	3.392	2.7	20.5
2 1	7 34.76	+26 3.9	2.445	3.385	5.9	20.7
2 11	7 27.04	+25 52.1	2.501	3.378	8.9	20.8
2 21	7 21.24	+25 34.6	2.583	3.371	11.6	21.0
185905 2000 SM_{90}			1 16.3 77°.86		6°.6/19.1 18	
12 13	8 15.43	+ 3 28.9	1.889	2.659	15.7	19.6
12 23	8 9.91	+ 2 47.0	1.827	2.678	12.8	19.4
1 2	8 2.26	+ 2 22.6	1.787	2.697	9.7	19.3
1 12	7 53.28	+ 2 17.3	1.772	2.716	7.2	19.1
1 22	7 43.94	+ 2 30.4	1.785	2.735	6.7	19.1
2 1	7 35.30	+ 2 59.3	1.826	2.754	8.5	19.3
2 11	7 28.30	+ 3 39.6	1.893	2.773	11.2	19.5
2 21	7 23.54	+ 4 26.4	1.983	2.791	13.9	19.7
190336 1998 SD_{83}			1 16.3 100°.61		0°.5/16.1 17	
12 13	8 21.95	+21 0.8	1.528	2.351	16.4	21.0
12 23	8 15.33	+21 20.3	1.471	2.370	12.2	20.7
1 2	8 5.79	+21 45.8	1.436	2.390	7.4	20.5
1 12	7 54.38	+22 12.3	1.428	2.408	2.3	20.2
1 22	7 42.52	+22 35.2	1.448	2.427	3.1	20.3
2 1	7 31.75	+22 51.3	1.497	2.445	8.0	20.7
2 11	7 23.34	+22 59.6	1.571	2.462	12.4	21.0
2 21	7 17.99	+23 0.8	1.668	2.479	16.0	21.2
180902 2005 JX_{167}			1 16.3 175°.30		1°.0/16.7 18	
12 13	8 16.88	+17 24.0	2.100	2.906	13.1	21.5
12 23	8 11.06	+17 28.0	2.018	2.908	9.9	21.3
1 2	8 3.04	+17 38.8	1.960	2.909	6.2	21.1
1 12	7 53.55	+17 54.3	1.931	2.910	2.2	20.8
1 22	7 43.55	+18 11.8	1.932	2.911	2.4	20.8
2 1	7 34.11	+18 28.8	1.963	2.911	6.4	21.1
2 11	7 26.23	+18 43.7	2.021	2.911	10.1	21.3
2 21	7 20.59	+18 55.3	2.104	2.910	13.3	21.5
340611 2006 QS_{61}			1 16.3 117°.22		2°.5/17.8 18	
12 13	8 11.86	+11 14.7	2.592	3.380	11.5	21.2
12 23	8 6.90	+11 19.7	2.515	3.390	8.8	21.1
1 2	8 0.31	+11 34.3	2.463	3.399	5.9	20.9
1 12	7 52.68	+11 57.5	2.439	3.409	3.2	20.7
1 22	7 44.71	+12 27.2	2.445	3.418	2.9	20.7
2 1	7 37.18	+13 1.0	2.482	3.427	5.4	20.9
2 11	7 30.79	+13 36.3	2.547	3.436	8.3	21.1
2 21	7 26.07	+14 10.8	2.638	3.444	10.9	21.3

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
62271 2000 SC_{93}			1 16.3 268°.80		4°.1/17.7 18	
	h m	° ′			°	m
12 13	8 15.33	+10 29.7	1.996	2.789	14.2	19.5
12 23	8 10.11	+ 9 57.5	1.899	2.774	11.2	19.3
1 2	8 2.60	+ 9 35.9	1.825	2.759	7.9	19.1
1 12	7 53.46	+ 9 25.6	1.777	2.743	4.8	18.9
1 22	7 43.63	+ 9 26.1	1.758	2.727	4.6	18.8
2 1	7 34.19	+ 9 36.1	1.768	2.711	7.5	18.9
2 11	7 26.24	+ 9 52.9	1.805	2.695	11.1	19.1
2 21	7 20.53	+10 13.9	1.866	2.678	14.5	19.3
427058 2014 TX_{83}			1 16.3 153°.24		6°.0/13.2 18	
12 13	8 21.36	+36 49.8	2.215	3.023	12.5	21.3
12 23	8 14.70	+38 2.8	2.150	3.031	9.8	21.1
1 2	8 5.40	+39 9.6	2.109	3.038	7.3	21.0
1 12	7 54.30	+40 2.9	2.097	3.044	6.0	20.9
1 22	7 42.58	+40 37.0	2.114	3.050	6.9	21.0
2 1	7 31.59	+40 49.7	2.160	3.056	9.1	21.1
2 11	7 22.51	+40 42.3	2.231	3.061	11.7	21.3
2 21	7 16.15	+40 18.8	2.324	3.065	14.1	21.5
160579 1999 JG_{136}			1 16.3 310°.52		4°.4/14.1 18	
12 13	8 14.91	+27 18.0	1.618	2.455	14.9	19.4
12 23	8 10.75	+28 40.5	1.529	2.435	11.4	19.2
1 2	8 3.49	+30 9.2	1.464	2.416	7.4	18.9
1 12	7 53.85	+31 35.4	1.425	2.397	4.5	18.7
1 22	7 43.06	+32 50.1	1.414	2.379	6.0	18.7
2 1	7 32.70	+33 46.2	1.429	2.361	10.0	18.9
2 11	7 24.37	+34 21.1	1.470	2.343	14.2	19.1
2 21	7 19.17	+34 36.3	1.530	2.326	17.9	19.3
354131 2002 CK_{32}			1 16.3 274°.27		3°.0/15.1 18	
12 13	8 18.24	+25 24.6	1.627	2.457	15.2	20.9
12 23	8 13.13	+26 15.8	1.535	2.439	11.5	20.7
1 2	8 4.89	+27 12.2	1.466	2.420	7.3	20.4
1 12	7 54.27	+28 7.2	1.424	2.402	3.4	20.1
1 22	7 42.54	+28 53.5	1.410	2.383	4.7	20.1
2 1	7 31.32	+29 25.7	1.424	2.364	9.2	20.4
2 11	7 22.15	+29 42.1	1.462	2.345	13.7	20.6
2 21	7 16.13	+29 44.1	1.522	2.325	17.6	20.8
366206 2012 RX_{11}			1 16.3 106°.02		0°.7/16.6 18	
12 13	8 14.58	+18 48.3	2.401	3.208	11.7	20.7
12 23	8 9.04	+18 42.6	2.325	3.216	8.8	20.6
1 2	8 1.66	+18 41.5	2.274	3.224	5.4	20.4
1 12	7 53.11	+18 43.1	2.252	3.232	1.9	20.1
1 22	7 44.22	+18 45.7	2.260	3.239	2.1	20.2
2 1	7 35.86	+18 47.8	2.299	3.247	5.6	20.4
2 11	7 28.87	+18 48.4	2.366	3.255	8.9	20.6
2 21	7 23.80	+18 46.9	2.458	3.262	11.7	20.8
233986 1995 SV_{33}			1 16.3 220°.02		5°.2/13.6 17	
12 13	8 18.89	+38 41.1	2.764	3.563	10.5	21.4
12 23	8 12.44	+39 20.9	2.681	3.556	8.4	21.3
1 2	8 3.84	+39 53.7	2.625	3.548	6.3	21.1
1 12	7 53.81	+40 14.5	2.597	3.541	5.2	21.0
1 22	7 43.28	+40 19.8	2.598	3.533	5.8	21.1
2 1	7 33.31	+40 8.2	2.629	3.524	7.7	21.2
2 11	7 24.86	+39 41.1	2.686	3.516	10.0	21.3
2 21	7 18.61	+39 1.4	2.767	3.507	12.1	21.5
145700 4139 T-3			1 16.3 53°.59		0°.7/16.6 18	
12 13	8 16.04	+16 58.2	1.486	2.313	16.6	19.4
12 23	8 11.01	+17 30.1	1.429	2.330	12.4	19.2
1 2	8 3.21	+18 13.3	1.395	2.349	7.6	18.9
1 12	7 53.64	+19 3.4	1.387	2.367	2.5	18.7
1 22	7 43.57	+19 54.5	1.406	2.386	2.9	18.7
2 1	7 34.45	+20 41.6	1.453	2.405	7.8	19.1
2 11	7 27.47	+21 21.3	1.526	2.425	12.1	19.4
2 21	7 23.36	+21 52.1	1.620	2.444	15.8	19.6
371929 2008 EV_{59}			1 16.3 275°.29		2°.0/15.7 17	
12 13	8 19.65	+26 5.7	1.899	2.719	13.8	21.3
12 23	8 13.74	+26 15.4	1.798	2.696	10.5	21.0
1 2	8 5.02	+26 25.4	1.721	2.673	6.6	20.7
1 12	7 54.27	+26 31.5	1.671	2.650	2.7	20.4
1 22	7 42.62	+26 29.6	1.651	2.626	3.6	20.4
2 1	7 31.47	+26 17.7	1.660	2.602	7.9	20.6
2 11	7 22.14	+25 56.0	1.695	2.578	12.1	20.8
2 21	7 15.57	+25 26.5	1.753	2.554	15.8	21.0
24168 Hexlein			1 16.3 181°.31		4°.1/14.4 18	
12 13	8 20.00	+30 1.2	1.961	2.781	13.4	19.3
12 23	8 13.84	+30 59.1	1.886	2.781	10.2	19.1
1 2	8 4.96	+31 56.3	1.836	2.782	6.8	18.8
1 12	7 54.21	+32 45.8	1.813	2.782	4.3	18.7
1 22	7 42.77	+33 21.7	1.819	2.781	5.3	18.8
2 1	7 32.00	+33 40.8	1.855	2.781	8.5	18.9
2 11	7 23.16	+33 43.3	1.917	2.779	11.9	19.2
2 21	7 17.07	+33 31.8	2.001	2.777	14.9	19.4

522304 2016 BD_{100} 1 16.3 268.°76 0.°2/16.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.55	+20 26.0	2.031	2.845	13.2	22.0
12 23	8 11.06	+20 23.6	1.935	2.831	10.0	21.7
1 2	8 3.20	+20 25.4	1.864	2.816	6.2	21.5
1 12	7 53.67	+20 29.1	1.821	2.801	1.9	21.2
1 22	7 43.46	+20 32.2	1.807	2.787	2.5	21.2
2 1	7 33.72	+20 32.7	1.823	2.771	6.8	21.4
2 11	7 25.58	+20 29.6	1.866	2.756	10.8	21.6
2 21	7 19.79	+20 22.9	1.933	2.741	14.2	21.8

488634 2002 VY_{88} 1 16.3 137.°22 1.°2/17.1 18

12 13	8 13.59	+15 11.5	3.354	4.139	9.2	22.1
12 23	8 7.79	+15 14.7	3.279	4.156	6.9	22.0
1 2	8 0.70	+15 23.0	3.231	4.173	4.4	21.8
1 12	7 52.81	+15 35.3	3.213	4.189	1.9	21.7
1 22	7 44.69	+15 49.9	3.227	4.204	1.9	21.7
2 1	7 36.96	+16 5.6	3.274	4.219	4.3	21.9
2 11	7 30.18	+16 20.9	3.350	4.233	6.7	22.1
2 21	7 24.77	+16 34.9	3.454	4.246	8.9	22.2

201463 2003 FC_{108} 1 16.3 220.°05 3.°1/17.4 18

12 13	8 18.46	+13 3.6	1.817	2.618	15.1	20.5
12 23	8 12.63	+12 46.8	1.727	2.610	11.7	20.3
1 2	8 4.23	+12 40.6	1.661	2.602	7.8	20.0
1 12	7 54.01	+12 44.4	1.621	2.594	4.0	19.8
1 22	7 43.06	+12 56.5	1.610	2.585	3.8	19.8
2 1	7 32.64	+13 14.4	1.629	2.575	7.6	20.0
2 11	7 23.97	+13 35.4	1.674	2.565	11.7	20.2
2 21	7 17.85	+13 57.0	1.742	2.555	15.3	20.4

200592 2001 RR_{28} 1 16.3 37.°87 0.°3/16.4 18

12 13	8 17.93	+19 48.8	1.196	2.038	18.8	20.1
12 23	8 13.04	+19 52.7	1.139	2.048	14.1	19.8
1 2	8 4.73	+20 5.4	1.102	2.058	8.6	19.6
1 12	7 54.16	+20 22.6	1.089	2.069	2.7	19.2
1 22	7 42.96	+20 39.6	1.101	2.081	3.4	19.3
2 1	7 32.94	+20 52.6	1.139	2.093	9.1	19.7
2 11	7 25.62	+20 59.9	1.201	2.106	14.2	20.0
2 21	7 21.79	+21 1.2	1.282	2.119	18.4	20.3

479318 2013 QJ_{11} 1 16.3 8.°83 23.°5/30.6 18

12 13	8 9.91	−21 6.0	0.978	1.692	30.5	20.3
12 23	8 7.67	−23 18.2	0.931	1.692	28.7	20.1
1 2	8 1.83	−24 38.7	0.893	1.693	26.8	20.0
1 12	7 53.37	−24 53.7	0.865	1.696	25.1	19.9
1 22	7 43.88	−23 55.7	0.851	1.700	23.9	19.8
2 1	7 35.29	−21 46.1	0.851	1.705	23.6	19.8
2 11	7 29.41	−18 38.0	0.866	1.711	24.2	19.9
2 21	7 27.29	−14 52.5	0.897	1.718	25.6	20.0

61013 2000 KR_{41} 1 16.3 231.°98 2.°2/17.2 18

12 13	8 15.35	+14 8.2	1.999	2.803	13.8	19.4
12 23	8 10.10	+14 8.4	1.910	2.796	10.6	19.2
1 2	8 2.59	+14 18.5	1.845	2.789	6.9	19.0
1 12	7 53.49	+14 37.2	1.807	2.782	3.2	18.7
1 22	7 43.76	+15 2.0	1.798	2.775	3.0	18.7
2 1	7 34.51	+15 29.9	1.818	2.767	6.8	18.9
2 11	7 26.79	+15 58.2	1.866	2.759	10.6	19.1
2 21	7 21.34	+16 24.7	1.938	2.751	14.0	19.3

291597 2006 GD_{23} 1 16.3 27.°40 0.°4/16.2 18

12 13	8 15.31	+19 34.9	1.185	2.032	18.6	20.2
12 23	8 11.17	+20 4.6	1.128	2.040	14.0	19.9
1 2	8 3.65	+20 45.1	1.092	2.050	8.5	19.6
1 12	7 53.85	+21 30.7	1.079	2.060	2.6	19.3
1 22	7 43.36	+22 14.7	1.092	2.071	3.5	19.4
2 1	7 33.97	+22 51.3	1.129	2.083	9.2	19.8
2 11	7 27.20	+23 17.7	1.191	2.096	14.2	20.1
2 21	7 23.88	+23 33.4	1.272	2.110	18.4	20.4

27318 2000 BS_{9} 1 16.3 257.°35 1.°1/16.8 18

12 13	8 15.53	+16 9.4	1.893	2.704	14.1	19.5
12 23	8 10.49	+16 30.5	1.798	2.691	10.8	19.3
1 2	8 2.96	+17 2.2	1.728	2.677	6.8	19.0
1 12	7 53.64	+17 41.6	1.684	2.663	2.5	18.7
1 22	7 43.53	+18 24.9	1.670	2.649	2.7	18.7
2 1	7 33.83	+19 8.1	1.685	2.635	7.1	19.0
2 11	7 25.74	+19 47.5	1.727	2.620	11.3	19.2
2 21	7 20.09	+20 21.2	1.792	2.605	15.0	19.4

162681 2000 TU_{13} 1 16.3 93.°08 0.°6/16.1 18

12 13	8 19.54	+21 6.1	1.573	2.398	15.9	20.6
12 23	8 13.58	+21 27.8	1.511	2.412	11.9	20.4
1 2	8 4.79	+21 55.6	1.472	2.426	7.2	20.2
1 12	7 54.15	+22 24.8	1.459	2.440	2.2	19.9
1 22	7 42.99	+22 50.6	1.474	2.453	3.1	20.0
2 1	7 32.79	+23 9.7	1.518	2.467	7.9	20.3
2 11	7 24.79	+23 20.7	1.588	2.480	12.2	20.6
2 21	7 19.74	+23 24.2	1.679	2.493	15.8	20.9

200903 2002 AW_{47} 1 16.3 39.°01 0.°2/16.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.68	+19 47.1	1.166	2.011	19.0	19.8
12 23	8 12.82	+19 53.8	1.115	2.026	14.2	19.6
1 2	8 4.56	+20 9.7	1.084	2.041	8.7	19.3
1 12	7 54.10	+20 29.9	1.077	2.058	2.7	19.0
1 22	7 43.11	+20 49.7	1.095	2.075	3.4	19.1
2 1	7 33.39	+21 5.0	1.138	2.092	9.1	19.5
2 11	7 26.40	+21 14.1	1.205	2.111	14.1	19.8
2 21	7 22.90	+21 16.7	1.292	2.130	18.2	20.1

86944 2000 HN_{81} 1 16.3 159.°47 4.°7/13.5 18

12 13	8 22.85	+28 31.2	1.941	2.755	13.7	20.0
12 23	8 16.14	+30 26.6	1.870	2.763	10.4	19.8
1 2	8 6.52	+32 24.7	1.825	2.770	7.0	19.6
1 12	7 54.76	+34 15.8	1.811	2.776	4.8	19.5
1 22	7 42.08	+35 50.6	1.827	2.782	6.1	19.6
2 1	7 29.96	+37 3.0	1.873	2.787	9.3	19.8
2 11	7 19.79	+37 52.0	1.947	2.790	12.6	20.0
2 21	7 12.52	+38 20.0	2.042	2.794	15.5	20.2

59393 1999 FG_{23} 1 16.3 328.°92 0.°4/16.4 18

12 13	8 14.81	+20 0.9	1.503	2.337	16.1	19.0
12 23	8 10.45	+19 58.0	1.419	2.325	12.2	18.7
1 2	8 3.14	+20 1.9	1.358	2.313	7.5	18.4
1 12	7 53.73	+20 9.5	1.321	2.302	2.4	18.1
1 22	7 43.46	+20 17.5	1.311	2.291	3.0	18.1
2 1	7 33.86	+20 23.1	1.328	2.281	8.3	18.4
2 11	7 26.34	+20 24.7	1.370	2.272	13.0	18.6
2 21	7 21.80	+20 21.9	1.433	2.263	17.1	18.9

288498 2004 FE_{61} 1 16.3 216.°11 6.°4/21.1 18

12 13	8 10.29	− 6 30.3	3.301	3.990	11.1	21.6
12 23	8 5.54	− 6 42.3	3.200	3.981	9.6	21.5
1 2	7 59.45	− 6 38.5	3.122	3.971	8.1	21.3
1 12	7 52.48	− 6 17.8	3.070	3.961	6.8	21.2
1 22	7 45.13	− 5 40.3	3.046	3.951	6.4	21.2
2 1	7 38.02	− 4 47.6	3.050	3.940	7.0	21.2
2 11	7 31.72	− 3 42.9	3.083	3.928	8.4	21.3
2 21	7 26.70	− 2 30.1	3.142	3.916	10.1	21.4

86004 1999 JT_{86} 1 16.3 262.°83 6.°0/13.0 18

12 13	8 18.52	+34 5.4	1.949	2.771	13.4	19.0
12 23	8 13.09	+35 29.7	1.868	2.760	10.5	18.8
1 2	8 4.73	+36 52.0	1.812	2.749	7.6	18.6
1 12	7 54.24	+38 3.5	1.783	2.738	6.0	18.5
1 22	7 42.79	+38 57.0	1.782	2.727	7.1	18.6
2 1	7 31.87	+39 27.9	1.809	2.715	10.0	18.7
2 11	7 22.90	+39 36.4	1.860	2.704	13.1	18.9
2 21	7 16.84	+39 25.8	1.933	2.692	16.0	19.0

27668 1979 ME_{4} 1 16.3 59.°49 0.°8/16.8 18

12 13	8 15.96	+14 16.6	1.587	2.404	16.2	18.1
12 23	8 10.83	+15 25.3	1.531	2.426	12.1	17.9
1 2	8 3.09	+16 48.9	1.498	2.449	7.5	17.7
1 12	7 53.64	+18 21.4	1.492	2.472	2.5	17.4
1 22	7 43.70	+19 55.0	1.515	2.494	2.8	17.5
2 1	7 34.58	+21 22.5	1.566	2.517	7.5	17.8
2 11	7 27.46	+22 38.8	1.645	2.540	11.7	18.1
2 21	7 23.05	+23 41.5	1.746	2.563	15.1	18.4

76725 2000 JJ_{28} 1 16.3 1.°92 5.°1/13.9 18

12 13	8 16.35	+33 31.8	2.027	2.851	12.9	19.2
12 23	8 11.10	+34 27.9	1.956	2.850	10.0	19.0
1 2	8 3.29	+35 20.2	1.909	2.850	7.0	18.8
1 12	7 53.72	+36 2.2	1.889	2.850	5.2	18.7
1 22	7 43.55	+36 28.5	1.898	2.851	6.1	18.7
2 1	7 34.06	+36 36.6	1.934	2.851	8.8	18.9
2 11	7 26.42	+36 27.3	1.996	2.852	11.8	19.1
2 21	7 21.41	+36 3.6	2.079	2.853	14.5	19.3

297151 2010 UW_{34} 1 16.3 84.°51 1.°2/15.9 18

12 13	8 20.06	+23 29.6	1.793	2.613	14.5	20.7
12 23	8 13.58	+23 47.1	1.737	2.636	10.7	20.5
1 2	8 4.59	+24 7.0	1.705	2.658	6.5	20.3
1 12	7 54.07	+24 25.1	1.701	2.681	2.2	20.0
1 22	7 43.21	+24 37.7	1.725	2.703	3.1	20.2
2 1	7 33.32	+24 42.6	1.779	2.724	7.2	20.5
2 11	7 25.46	+24 39.9	1.860	2.746	11.0	20.7
2 21	7 20.26	+24 30.5	1.963	2.767	14.2	21.0

257233 2009 DV_{91} 1 16.3 125.°98 1.°1/16.9 18

12 13	8 17.59	+16 2.4	1.938	2.744	14.1	21.1
12 23	8 11.67	+16 23.5	1.868	2.758	10.6	20.9
1 2	8 3.46	+16 54.0	1.823	2.771	6.6	20.7
1 12	7 53.75	+17 30.7	1.805	2.783	2.4	20.5
1 22	7 43.57	+18 9.9	1.817	2.795	2.6	20.5
2 1	7 34.07	+18 48.0	1.858	2.807	6.7	20.8
2 11	7 26.27	+19 22.0	1.927	2.818	10.5	21.0
2 21	7 20.85	+19 50.6	2.020	2.829	13.7	21.3

398982 2013 EC_{80} 1 16.3 304°.04 1°.1/15.7 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 10.26	+23 47.2	2.938	3.751	9.6	21.2
12 23	8 5.78	+24 11.6	2.845	3.741	7.1	21.1
1 2	7 59.71	+24 38.1	2.778	3.731	4.4	20.9
1 12	7 52.59	+25 4.1	2.741	3.720	1.6	20.6
1 22	7 45.05	+25 27.2	2.734	3.710	2.3	20.7
2 1	7 37.83	+25 45.2	2.758	3.700	5.2	20.9
2 11	7 31.64	+25 57.1	2.810	3.690	7.9	21.0
2 21	7 27.01	+26 2.8	2.887	3.680	10.4	21.2

340754 2006 SV_{283} 1 16.3 149°.24 4°.7/19.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 10.64	+ 1 12.3	3.010	3.749	11.1	21.5
12 23	8 5.82	+ 1 11.8	2.927	3.757	9.1	21.3
1 2	7 59.63	+ 1 25.0	2.867	3.764	7.0	21.2
1 12	7 52.54	+ 1 51.9	2.835	3.771	5.3	21.1
1 22	7 45.14	+ 2 31.4	2.833	3.778	4.8	21.1
2 1	7 38.08	+ 3 21.3	2.860	3.784	6.0	21.1
2 11	7 31.95	+ 4 18.1	2.917	3.790	7.9	21.3
2 21	7 27.22	+ 5 18.5	3.000	3.796	10.0	21.4

235592 2004 PQ_{28} 1 16.3 95°.13 1°.2/15.9 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 23.37	+22 43.0	1.664	2.481	15.5	21.2
12 23	8 16.13	+23 6.7	1.612	2.509	11.5	21.0
1 2	8 6.17	+23 33.8	1.584	2.536	7.0	20.8
1 12	7 54.55	+23 59.3	1.583	2.563	2.3	20.6
1 22	7 42.64	+24 18.9	1.612	2.589	3.2	20.7
2 1	7 31.83	+24 29.9	1.670	2.615	7.6	21.0
2 11	7 23.30	+24 32.4	1.755	2.640	11.6	21.3
2 21	7 17.70	+24 27.4	1.862	2.664	14.9	21.6

203817 2002 TC_{236} 1 16.3 125°.69 3°.8/18.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.35	+ 8 55.4	2.529	3.304	12.0	20.2
12 23	8 8.75	+ 8 24.3	2.452	3.315	9.5	20.1
1 2	8 1.46	+ 8 2.9	2.399	3.325	6.7	19.9
1 12	7 53.11	+ 7 51.7	2.375	3.335	4.4	19.8
1 22	7 44.43	+ 7 50.1	2.381	3.344	4.1	19.8
2 1	7 36.23	+ 7 56.9	2.417	3.354	6.1	19.9
2 11	7 29.26	+ 8 9.9	2.481	3.363	8.8	20.1
2 21	7 24.04	+ 8 26.8	2.571	3.371	11.3	20.3

188323 2003 HT_{25} 1 16.3 171°.80 5°.0/18.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.97	+ 4 50.0	2.355	3.119	13.2	20.4
12 23	8 8.66	+ 4 30.1	2.271	3.122	10.6	20.2
1 2	8 1.52	+ 4 24.0	2.210	3.124	7.9	20.1
1 12	7 53.15	+ 4 32.5	2.177	3.126	5.6	19.9
1 22	7 44.35	+ 4 54.6	2.172	3.128	5.2	19.9
2 1	7 35.97	+ 5 28.1	2.197	3.129	7.0	20.0
2 11	7 28.85	+ 6 9.6	2.249	3.129	9.7	20.2
2 21	7 23.58	+ 6 55.4	2.326	3.129	12.3	20.3

347139 2010 OF_{66} 1 16.3 91°.36 3°.9/18.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.20	+ 8 1.7	2.471	3.249	12.2	21.0
12 23	8 7.22	+ 7 41.1	2.395	3.259	9.7	20.8
1 2	8 0.56	+ 7 31.6	2.343	3.268	6.9	20.6
1 12	7 52.84	+ 7 33.4	2.319	3.278	4.5	20.5
1 22	7 44.78	+ 7 45.5	2.324	3.287	4.2	20.5
2 1	7 37.18	+ 8 6.0	2.358	3.296	6.2	20.6
2 11	7 30.78	+ 8 32.3	2.421	3.306	8.8	20.8
2 21	7 26.10	+ 9 1.7	2.508	3.315	11.4	21.0

428959 2008 YL_{98} 1 16.3 350°.17 0°.1/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.39	+18 1.7	2.252	3.064	12.2	21.1
12 23	8 7.70	+18 38.9	2.170	3.064	9.1	20.9
1 2	8 1.04	+19 24.0	2.112	3.063	5.6	20.7
1 12	7 53.03	+20 13.6	2.083	3.063	1.8	20.4
1 22	7 44.50	+21 3.9	2.084	3.063	2.2	20.5
2 1	7 36.40	+21 51.1	2.114	3.063	6.0	20.7
2 11	7 29.65	+22 32.4	2.173	3.062	9.5	20.9
2 21	7 24.89	+23 6.5	2.256	3.062	12.5	21.1

37024 2000 UM_{5} 1 16.3 95°.38 3°.9/14.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.72	+30 43.8	2.095	2.911	12.8	18.5
12 23	8 13.24	+31 36.0	2.040	2.934	9.7	18.3
1 2	8 4.38	+32 25.3	2.010	2.955	6.4	18.2
1 12	7 54.02	+33 5.8	2.009	2.977	4.1	18.1
1 22	7 43.29	+33 32.9	2.037	2.998	4.9	18.1
2 1	7 33.38	+33 44.5	2.094	3.018	7.8	18.4
2 11	7 25.35	+33 41.5	2.178	3.038	10.8	18.6
2 21	7 19.84	+33 26.6	2.285	3.058	13.4	18.8

227550 2005 YD_{150} 1 16.3 159°.25 1°.7/15.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.07	+24 16.2	2.194	3.010	12.3	20.6
12 23	8 10.51	+24 52.1	2.116	3.014	9.2	20.4
1 2	8 2.77	+25 30.7	2.064	3.017	5.6	20.2
1 12	7 53.56	+26 7.7	2.041	3.019	2.2	20.0
1 22	7 43.83	+26 39.1	2.047	3.022	3.1	20.1
2 1	7 34.66	+27 2.0	2.083	3.024	6.7	20.3
2 11	7 27.04	+27 15.4	2.147	3.026	10.1	20.5
2 21	7 21.65	+27 19.7	2.235	3.028	13.0	20.7

116537 2004 BC_{59} 1 16.3 310°.70 2°.8/17.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.04	+14 2.7	2.104	2.907	13.2	19.5
12 23	8 9.01	+13 32.1	2.012	2.897	10.2	19.3
1 2	8 1.88	+13 9.1	1.945	2.887	6.8	19.1
1 12	7 53.29	+12 53.5	1.905	2.877	3.5	18.8
1 22	7 44.16	+12 44.6	1.894	2.868	3.4	18.8
2 1	7 35.49	+12 41.3	1.912	2.858	6.7	19.0
2 11	7 28.25	+12 42.0	1.957	2.849	10.2	19.2
2 21	7 23.13	+12 45.2	2.026	2.841	13.4	19.4

291959 2006 QJ_{51} 1 16.3 209°.41 1°.1/15.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.91	+21 48.4	2.051	2.864	13.1	21.4
12 23	8 12.11	+22 28.0	1.963	2.859	9.8	21.2
1 2	8 3.89	+23 13.4	1.900	2.853	6.0	20.9
1 12	7 53.95	+24 0.0	1.866	2.846	2.0	20.7
1 22	7 43.30	+24 43.0	1.861	2.838	2.9	20.7
2 1	7 33.14	+25 18.6	1.887	2.830	7.0	21.0
2 11	7 24.60	+25 44.7	1.940	2.822	10.9	21.2
2 21	7 18.47	+26 1.4	2.017	2.813	14.2	21.4

348118 2003 YH_{171} 1 16.3 9°.27 3°.2/15.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.05	+29 42.6	2.024	2.847	12.9	20.5
12 23	8 11.43	+30 0.5	1.949	2.847	9.8	20.3
1 2	8 3.38	+30 16.0	1.899	2.848	6.3	20.1
1 12	7 53.75	+30 24.4	1.876	2.849	3.5	19.9
1 22	7 43.63	+30 22.2	1.882	2.851	4.3	19.9
2 1	7 34.23	+30 8.1	1.916	2.852	7.6	20.1
2 11	7 26.65	+29 42.9	1.978	2.854	11.0	20.3
2 21	7 21.56	+29 9.1	2.062	2.856	13.9	20.5

424347 2007 VU_{50} 1 16.3 297°.27 5°.2/13.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.51	+35 28.1	2.302	3.118	11.8	21.1
12 23	8 11.03	+36 23.5	2.226	3.114	9.2	20.9
1 2	8 3.18	+37 14.1	2.176	3.110	6.7	20.8
1 12	7 53.71	+37 53.8	2.153	3.107	5.3	20.7
1 22	7 43.64	+38 17.9	2.158	3.103	6.1	20.7
2 1	7 34.17	+38 24.2	2.192	3.100	8.4	20.8
2 11	7 26.36	+38 13.4	2.252	3.097	11.1	21.0
2 21	7 20.96	+37 48.4	2.334	3.093	13.5	21.2

35589 1998 HY_{80} 1 16.3 206°.45 1°.0/15.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.03	+23 19.9	2.804	3.614	10.1	19.8
12 23	8 7.85	+23 44.4	2.716	3.610	7.5	19.6
1 2	8 0.99	+24 11.2	2.655	3.607	4.6	19.4
1 12	7 53.00	+24 37.6	2.623	3.603	1.6	19.2
1 22	7 44.58	+25 0.8	2.622	3.598	2.3	19.2
2 1	7 36.55	+25 18.7	2.652	3.594	5.4	19.4
2 11	7 29.65	+25 30.3	2.710	3.589	8.2	19.6
2 21	7 24.44	+25 35.5	2.794	3.584	10.8	19.8

321409 2009 QF_{5} 1 16.3 200°.19 1°.0/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.88	+16 28.3	2.322	3.122	12.2	21.9
12 23	8 10.24	+16 45.9	2.232	3.119	9.3	21.7
1 2	8 2.57	+17 11.1	2.167	3.114	5.8	21.5
1 12	7 53.51	+17 41.8	2.131	3.109	2.1	21.3
1 22	7 43.91	+18 14.9	2.125	3.104	2.3	21.3
2 1	7 34.72	+18 47.5	2.150	3.098	6.0	21.5
2 11	7 26.88	+19 17.2	2.204	3.091	9.5	21.7
2 21	7 21.06	+19 42.6	2.282	3.084	12.5	21.9

41685 2000 UG_{16} 1 16.3 256°.85 16°.9/ 6.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 30.51	+47 31.0	1.128	1.951	21.0	18.1
12 23	8 25.84	+51 4.8	1.081	1.947	18.6	18.0
1 2	8 14.70	+54 22.7	1.055	1.942	17.1	17.9
1 12	7 57.83	+56 59.3	1.051	1.937	17.2	17.9
1 22	7 37.96	+58 35.6	1.067	1.932	18.8	17.9
2 1	7 19.41	+59 5.7	1.102	1.928	21.3	18.1
2 11	7 6.13	+58 39.7	1.153	1.923	23.9	18.2
2 21	6 59.98	+57 34.1	1.215	1.918	26.4	18.4

373469 2000 SO_{42} 1 16.3 212°.83 3°.2/18.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.39	+ 7 53.3	2.989	3.752	10.7	22.8
12 23	8 8.72	+ 7 56.3	2.885	3.741	8.5	22.6
1 2	8 1.48	+ 8 9.6	2.806	3.730	6.0	22.5
1 12	7 53.16	+ 8 32.8	2.757	3.717	3.8	22.3
1 22	7 44.38	+ 9 4.5	2.738	3.704	3.4	22.3
2 1	7 35.85	+ 9 42.5	2.752	3.690	5.4	22.4
2 11	7 28.27	+10 24.4	2.795	3.675	8.0	22.5
2 21	7 22.18	+11 7.4	2.865	3.659	10.5	22.7

77719 2001 OQ_{51} 1 16.3 129°.14 2°.6/14.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.91	+26 59.8	2.459	3.274	11.1	19.7
12 23	8 9.49	+27 51.8	2.386	3.282	8.3	19.5
1 2	8 2.08	+28 44.7	2.340	3.290	5.3	19.4
1 12	7 53.35	+29 33.8	2.322	3.297	2.8	19.2
1 22	7 44.17	+30 15.0	2.336	3.304	3.6	19.3
2 1	7 35.48	+30 45.4	2.379	3.311	6.5	19.5
2 11	7 28.19	+31 4.2	2.450	3.317	9.5	19.7
2 21	7 22.91	+31 12.2	2.544	3.323	12.0	19.9

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
404267 2013 EG_{74}			1 16.3 146°.96		0°.4/16.2 18	
	h m	° ′			°	m
12 13	8 18.76	+20 27.0	2.070	2.879	13.2	21.8
12 23	8 12.51	+20 56.5	1.997	2.890	9.8	21.6
1 2	8 3.98	+21 31.4	1.949	2.900	6.0	21.4
1 12	7 53.95	+22 8.0	1.929	2.909	1.8	21.2
1 22	7 43.42	+22 42.1	1.940	2.918	2.5	21.2
2 1	7 33.53	+23 10.5	1.981	2.926	6.6	21.5
2 11	7 25.32	+23 31.8	2.049	2.933	10.3	21.8
2 21	7 19.45	+23 45.7	2.142	2.940	13.4	22.0
422306 2014 SM_{160}			1 16.4 114°.46		2°.3/15.4 18	
12 13	8 18.60	+25 47.0	1.918	2.739	13.6	21.6
12 23	8 12.60	+26 22.6	1.851	2.750	10.2	21.4
1 2	8 4.12	+26 59.7	1.808	2.760	6.3	21.2
1 12	7 54.00	+27 33.0	1.793	2.771	2.8	21.0
1 22	7 43.38	+27 58.0	1.808	2.781	3.7	21.1
2 1	7 33.54	+28 12.1	1.851	2.791	7.5	21.3
2 11	7 25.57	+28 15.0	1.922	2.800	11.1	21.5
2 21	7 20.18	+28 8.1	2.015	2.810	14.2	21.8
466701 2014 WN_{401}			1 16.4 356°.53		2°.9/17.4 16	
12 13	8 13.74	+13 34.8	1.692	2.507	15.4	21.5
12 23	8 9.19	+13 22.3	1.614	2.505	11.9	21.3
1 2	8 2.16	+13 21.2	1.558	2.504	7.8	21.0
1 12	7 53.43	+13 30.7	1.528	2.503	3.9	20.8
1 22	7 44.09	+13 48.5	1.526	2.502	3.6	20.8
2 1	7 35.37	+14 11.7	1.551	2.502	7.5	21.0
2 11	7 28.43	+14 37.1	1.603	2.503	11.6	21.2
2 21	7 24.02	+15 2.0	1.676	2.503	15.2	21.5
373629 2002 LF_{58}			1 16.4 199°.32		0°.1/16.3 18	
12 13	8 14.12	+19 8.5	2.196	3.009	12.4	20.5
12 23	8 9.06	+19 42.8	2.113	3.008	9.3	20.3
1 2	8 1.92	+20 24.0	2.054	3.006	5.7	20.1
1 12	7 53.34	+21 8.9	2.024	3.005	1.7	19.8
1 22	7 44.21	+21 53.3	2.024	3.003	2.3	19.9
2 1	7 35.54	+22 33.7	2.054	3.002	6.2	20.1
2 11	7 28.29	+23 7.8	2.112	3.000	9.8	20.3
2 21	7 23.14	+23 34.4	2.194	2.998	12.9	20.5
459830 2013 SH_{72}			1 16.4 185°.01		2°.0/15.5 18	
12 13	8 16.73	+25 43.5	2.216	3.033	12.2	22.0
12 23	8 11.02	+26 12.4	2.136	3.033	9.1	21.8
1 2	8 3.10	+26 42.6	2.081	3.033	5.7	21.6
1 12	7 53.70	+27 9.8	2.054	3.032	2.4	21.3
1 22	7 43.77	+27 30.4	2.058	3.031	3.3	21.4
2 1	7 34.41	+27 42.0	2.091	3.030	6.8	21.6
2 11	7 26.60	+27 43.9	2.151	3.029	10.1	21.8
2 21	7 21.05	+27 37.3	2.236	3.027	13.1	22.0
496737 2016 GO_{247}			1 16.4 226°.59		4°.5/14.2 18	
12 13	8 17.27	+32 57.4	2.216	3.033	12.1	21.5
12 23	8 11.60	+33 44.6	2.139	3.031	9.3	21.3
1 2	8 3.53	+34 28.4	2.088	3.029	6.5	21.1
1 12	7 53.84	+35 3.0	2.064	3.027	4.6	21.0
1 22	7 43.58	+35 23.7	2.070	3.025	5.4	21.0
2 1	7 33.93	+35 28.4	2.104	3.023	8.1	21.2
2 11	7 25.98	+35 17.6	2.164	3.020	11.0	21.4
2 21	7 20.47	+34 54.0	2.247	3.018	13.7	21.5
350668 2001 UG_{61}			1 16.4 57°.34		1°.2/16.0 17	
12 13	8 20.80	+22 38.2	1.249	2.088	18.4	21.3
12 23	8 15.00	+22 55.4	1.199	2.108	13.7	21.1
1 2	8 5.83	+23 17.7	1.171	2.128	8.3	20.9
1 12	7 54.54	+23 39.4	1.167	2.148	2.7	20.6
1 22	7 42.81	+23 55.2	1.190	2.168	3.7	20.7
2 1	7 32.41	+24 2.1	1.239	2.189	9.0	21.1
2 11	7 24.76	+23 59.9	1.312	2.210	13.8	21.4
2 21	7 20.60	+23 49.9	1.405	2.231	17.7	21.7
15799 1993 XN			1 16.4 301°.04		3°.8/17.2 18	
12 13	8 16.70	+13 27.8	1.740	2.548	15.4	16.9
12 23	8 11.45	+12 40.4	1.649	2.535	12.0	16.6
1 2	8 3.60	+12 1.2	1.580	2.522	8.1	16.4
1 12	7 53.91	+11 31.0	1.538	2.509	4.6	16.1
1 22	7 43.47	+11 10.0	1.524	2.496	4.4	16.1
2 1	7 33.57	+10 57.5	1.538	2.484	8.1	16.3
2 11	7 25.44	+10 52.1	1.577	2.471	12.2	16.5
2 21	7 19.90	+10 51.8	1.640	2.459	15.8	16.7
110390 2001 TE_{6}			1 16.4 198°.71		5°.7/12.9 18	
12 13	8 17.42	+38 4.1	2.527	3.334	11.2	19.9
12 23	8 11.63	+39 10.5	2.454	3.333	8.9	19.8
1 2	8 3.53	+40 10.8	2.407	3.331	6.8	19.6
1 12	7 53.85	+40 59.0	2.388	3.330	5.7	19.6
1 22	7 43.58	+41 30.3	2.397	3.328	6.5	19.6
2 1	7 33.84	+41 42.5	2.435	3.326	8.5	19.7
2 11	7 25.70	+41 36.5	2.499	3.324	10.8	19.9
2 21	7 19.88	+41 15.2	2.585	3.321	12.9	20.0

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
270765 2002 RQ_{136}			1 16.4 158°.86		0°.4/16.1 18	
	h m	° ′			°	m
12 13	8 14.11	+20 40.8	2.740	3.544	10.4	21.3
12 23	8 8.62	+21 9.8	2.659	3.550	7.8	21.1
1 2	8 1.45	+21 42.9	2.605	3.556	4.7	20.9
1 12	7 53.17	+22 17.2	2.581	3.562	1.4	20.7
1 22	7 44.50	+22 49.8	2.588	3.566	2.0	20.8
2 1	7 36.24	+23 18.3	2.626	3.571	5.3	21.0
2 11	7 29.16	+23 41.3	2.694	3.575	8.2	21.2
2 21	7 23.79	+23 58.1	2.786	3.578	10.8	21.4
402123 2004 EK_{3}			1 16.4 19°.22		15°.0/11.2 18	
12 13	8 23.56	+49 36.5	1.202	2.023	20.0	19.5
12 23	8 19.02	+51 38.8	1.167	2.032	17.5	19.4
1 2	8 9.20	+53 16.4	1.151	2.042	15.7	19.3
1 12	7 55.73	+54 13.7	1.156	2.053	15.0	19.3
1 22	7 41.32	+54 21.7	1.180	2.065	15.9	19.4
2 1	7 29.01	+53 41.1	1.225	2.079	17.7	19.6
2 11	7 21.04	+52 21.6	1.288	2.094	20.0	19.8
2 21	7 18.20	+50 36.2	1.366	2.110	22.1	20.0
164447 2006 DD_{44}			1 16.4 228°.40		0°.5/16.6 18	
12 13	8 17.95	+17 59.9	1.736	2.552	15.0	21.1
12 23	8 12.48	+18 19.8	1.650	2.545	11.4	20.8
1 2	8 4.29	+18 48.9	1.586	2.538	7.1	20.5
1 12	7 54.15	+19 23.9	1.549	2.529	2.3	20.2
1 22	7 43.20	+20 0.4	1.541	2.521	2.8	20.2
2 1	7 32.80	+20 34.3	1.562	2.512	7.6	20.5
2 11	7 24.26	+21 2.8	1.610	2.503	12.0	20.8
2 21	7 18.44	+21 24.5	1.680	2.493	15.8	21.0
304890 2007 RR_{198}			1 16.4 158°.34		0°.8/16.0 18	
12 13	8 19.90	+21 36.4	1.970	2.782	13.7	22.1
12 23	8 13.51	+22 2.2	1.895	2.789	10.2	21.9
1 2	8 4.67	+22 32.8	1.844	2.796	6.2	21.6
1 12	7 54.20	+23 3.9	1.822	2.802	2.0	21.4
1 22	7 43.19	+23 31.4	1.829	2.807	2.8	21.4
2 1	7 32.85	+23 52.3	1.867	2.812	7.0	21.7
2 11	7 24.30	+24 5.4	1.932	2.816	10.8	22.0
2 21	7 18.26	+24 11.0	2.021	2.819	14.0	22.2
273718 2007 ES_{84}			1 16.4 351°.67		3°.6/18.3 18	
12 13	8 11.74	+ 8 27.4	1.609	2.416	16.5	19.8
12 23	8 7.89	+ 9 3.9	1.529	2.412	12.9	19.6
1 2	8 1.49	+10 1.6	1.469	2.409	8.8	19.3
1 12	7 53.28	+11 18.2	1.436	2.407	4.8	19.1
1 22	7 44.32	+12 48.6	1.429	2.405	4.1	19.0
2 1	7 35.89	+14 25.4	1.451	2.403	7.8	19.3
2 11	7 29.20	+16 1.0	1.499	2.402	12.0	19.5
2 21	7 25.10	+17 29.5	1.570	2.402	15.8	19.7
164618 1991 VX_{11}			1 16.4 352°.82		5°.2/18.8 18	
12 13	8 11.72	+ 5 15.8	2.195	2.970	13.7	20.1
12 23	8 7.16	+ 4 51.6	2.112	2.969	11.0	19.9
1 2	8 0.70	+ 4 41.7	2.051	2.969	8.2	19.7
1 12	7 52.97	+ 4 47.0	2.017	2.968	5.8	19.5
1 22	7 44.78	+ 5 6.8	2.010	2.967	5.4	19.5
2 1	7 37.01	+ 5 38.9	2.032	2.967	7.3	19.6
2 11	7 30.54	+ 6 19.6	2.082	2.967	10.1	19.8
2 21	7 25.99	+ 7 4.9	2.155	2.967	12.8	20.0
463284 2012 HY_{19}			1 16.4 242°.67		6°.9/19.0 17	
12 13	8 14.20	+ 1 17.7	2.207	2.958	14.3	21.7
12 23	8 9.08	+ 0 31.1	2.112	2.948	11.9	21.5
1 2	8 1.94	− 0 0.0	2.040	2.937	9.5	21.3
1 12	7 53.38	− 0 13.1	1.994	2.926	7.5	21.2
1 22	7 44.23	− 0 7.5	1.975	2.914	7.0	21.1
2 1	7 35.43	+ 0 15.5	1.985	2.902	8.6	21.2
2 11	7 27.92	+ 0 52.7	2.021	2.890	11.1	21.3
2 21	7 22.38	+ 1 39.4	2.080	2.878	13.7	21.5
362087 2009 BW_{138}			1 16.4 280°.02		0°.7/16.6 18	
12 13	8 16.58	+17 59.9	1.599	2.423	15.8	21.6
12 23	8 11.72	+18 13.5	1.510	2.409	12.0	21.3
1 2	8 3.97	+18 36.8	1.443	2.395	7.5	21.0
1 12	7 54.09	+19 6.9	1.402	2.382	2.5	20.7
1 22	7 43.29	+19 39.3	1.388	2.368	2.9	20.7
2 1	7 33.02	+20 9.9	1.403	2.354	8.1	21.0
2 11	7 24.69	+20 35.6	1.443	2.341	12.8	21.2
2 21	7 19.27	+20 55.1	1.505	2.327	16.9	21.4
495432 2014 SC_{218}			1 16.4 131°.81		2°.6/17.6 18	
12 13	8 14.57	+12 15.7	1.967	2.768	14.1	21.4
12 23	8 9.49	+12 25.0	1.889	2.772	10.9	21.2
1 2	8 2.22	+12 46.5	1.834	2.776	7.2	21.0
1 12	7 53.47	+13 18.5	1.806	2.780	3.6	20.7
1 22	7 44.18	+13 58.0	1.807	2.783	3.2	20.7
2 1	7 35.45	+14 41.4	1.838	2.787	6.7	21.0
2 11	7 28.26	+15 25.0	1.896	2.790	10.4	21.2
2 21	7 23.31	+16 5.8	1.977	2.793	13.6	21.4

240837 2006 BH_{79} 1 16.4 247°26 2°3/15.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 19.33	+24 44.5	1.750	2.573	14.6	20.9
12 23	8 13.72	+25 25.7	1.660	2.560	11.0	20.6
1 2	8 5.17	+26 11.4	1.593	2.546	6.9	20.4
1 12	7 54.47	+26 55.6	1.554	2.532	2.9	20.1
1 22	7 42.82	+27 32.3	1.544	2.518	4.0	20.1
2 1	7 31.70	+27 57.3	1.562	2.503	8.4	20.3
2 11	7 22.55	+28 9.1	1.606	2.488	12.7	20.6
2 21	7 16.31	+28 8.9	1.672	2.472	16.4	20.8

339572 2005 LZ_{14} 1 16.4 110°79 4°4/19.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.07	+ 4 26.2	2.800	3.556	11.5	21.6
12 23	8 6.92	+ 4 12.4	2.729	3.574	9.2	21.5
1 2	8 0.33	+ 4 10.8	2.681	3.591	6.9	21.3
1 12	7 52.83	+ 4 21.5	2.661	3.608	4.9	21.2
1 22	7 45.05	+ 4 43.5	2.671	3.625	4.5	21.2
2 1	7 37.71	+ 5 14.7	2.711	3.641	5.9	21.3
2 11	7 31.42	+ 5 52.4	2.780	3.657	8.1	21.5
2 21	7 26.66	+ 6 33.4	2.874	3.673	10.3	21.7

99867 2002 PE_{24} 1 16.4 244°16 1°0/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.67	+16 49.4	2.163	2.973	12.7	20.1
12 23	8 8.71	+17 1.2	2.080	2.971	9.6	19.9
1 2	8 1.71	+17 20.7	2.020	2.969	6.0	19.7
1 12	7 53.31	+17 45.7	1.989	2.968	2.2	19.4
1 22	7 44.40	+18 13.3	1.987	2.966	2.3	19.4
2 1	7 35.96	+18 40.8	2.015	2.964	6.2	19.7
2 11	7 28.95	+19 5.7	2.070	2.963	9.8	19.9
2 21	7 24.00	+19 26.7	2.150	2.961	12.9	20.1

11009 Sigridclose 1 16.4 185°17 4°0/14.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 21.01	+32 53.9	2.342	3.151	11.9	18.8
12 23	8 14.19	+33 21.8	2.263	3.151	9.1	18.6
1 2	8 5.03	+33 45.3	2.209	3.150	6.2	18.4
1 12	7 54.32	+33 59.3	2.184	3.149	4.1	18.3
1 22	7 43.13	+34 0.0	2.189	3.148	4.8	18.3
2 1	7 32.60	+33 46.3	2.224	3.146	7.5	18.5
2 11	7 23.81	+33 19.3	2.286	3.144	10.4	18.6
2 21	7 17.42	+32 42.2	2.372	3.141	13.1	18.8

495827 2017 HP_{12} 1 16.4 267°82 3°7/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.63	+27 24.2	1.665	2.493	15.0	20.9
12 23	8 14.23	+28 15.5	1.573	2.474	11.4	20.7
1 2	8 5.65	+29 10.0	1.504	2.456	7.4	20.4
1 12	7 54.66	+30 0.4	1.462	2.437	3.9	20.1
1 22	7 42.56	+30 39.4	1.448	2.417	5.2	20.1
2 1	7 30.97	+31 2.2	1.461	2.397	9.4	20.3
2 11	7 21.48	+31 7.8	1.500	2.377	13.7	20.5
2 21	7 15.15	+30 58.5	1.560	2.357	17.5	20.7

124380 2001 QK_{161} 1 16.4 48°31 2°5/15.7 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 21.54	+24 51.7	1.115	1.963	19.5	19.5
12 23	8 15.81	+25 17.9	1.074	1.986	14.5	19.3
1 2	8 6.40	+25 46.8	1.053	2.011	8.8	19.0
1 12	7 54.75	+26 11.1	1.056	2.036	3.4	18.8
1 22	7 42.73	+26 24.8	1.085	2.061	4.6	18.9
2 1	7 32.31	+26 25.4	1.138	2.087	9.8	19.3
2 11	7 24.98	+26 14.0	1.215	2.114	14.6	19.7
2 21	7 21.38	+25 53.4	1.311	2.140	18.5	20.0

461089 2015 AL_{214} 1 16.4 236°22 3°2/18.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.00	+ 9 6.1	2.073	2.863	13.8	20.5
12 23	8 8.30	+ 9 28.8	1.986	2.860	10.8	20.3
1 2	8 1.51	+10 6.7	1.922	2.857	7.4	20.0
1 12	7 53.27	+10 58.3	1.885	2.854	4.1	19.8
1 22	7 44.44	+12 0.3	1.878	2.851	3.6	19.8
2 1	7 36.03	+13 8.2	1.900	2.848	6.6	20.0
2 11	7 29.01	+14 17.2	1.951	2.845	10.2	20.2
2 21	7 24.07	+15 23.2	2.025	2.842	13.4	20.4

186057 2001 SF_{68} 1 16.4 11°58 8°2/19.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.53	+ 0 35.6	1.667	2.439	17.4	20.1
12 23	8 8.28	− 0 5.1	1.593	2.440	14.5	19.9
1 2	8 1.62	− 0 23.7	1.538	2.442	11.5	19.7
1 12	7 53.31	− 0 17.5	1.507	2.444	9.0	19.5
1 22	7 44.40	+ 0 13.4	1.502	2.446	8.3	19.5
2 1	7 36.08	+ 1 5.7	1.522	2.449	9.9	19.6
2 11	7 29.45	+ 2 13.2	1.567	2.452	12.8	19.8
2 21	7 25.27	+ 3 28.9	1.634	2.456	15.8	20.0

424091 2007 DO_{109} 1 16.4 119°38 3°6/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.71	+29 55.0	1.933	2.755	13.5	21.5
12 23	8 12.85	+30 27.6	1.859	2.757	10.2	21.3
1 2	8 4.38	+30 58.2	1.810	2.759	6.7	21.1
1 12	7 54.17	+31 21.1	1.788	2.760	3.9	20.9
1 22	7 43.39	+31 31.9	1.796	2.762	4.8	21.0
2 1	7 33.36	+31 28.5	1.831	2.764	8.1	21.2
2 11	7 25.27	+31 11.8	1.893	2.766	11.6	21.4
2 21	7 19.86	+30 44.4	1.978	2.767	14.6	21.6

347929 2003 EG_{24} 1 16.4 342°30 1°0/16.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 8.73	+19 40.7	0.967	1.835	20.0	19.7
12 23	8 7.25	+20 21.1	0.894	1.818	15.2	19.4
1 2	8 1.91	+21 17.8	0.840	1.802	9.4	19.0
1 12	7 53.62	+22 24.7	0.806	1.788	3.0	18.6
1 22	7 43.96	+23 32.5	0.796	1.776	4.3	18.6
2 1	7 35.09	+24 31.7	0.807	1.765	11.0	19.0
2 11	7 29.07	+25 16.0	0.839	1.757	17.1	19.2
2 21	7 27.13	+25 43.6	0.887	1.751	22.2	19.5

153154 2000 SF_{290} 1 16.4 122°67 1°2/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.58	+16 38.6	2.185	2.988	12.8	20.6
12 23	8 10.72	+16 41.8	2.114	3.001	9.7	20.4
1 2	8 2.83	+16 52.1	2.067	3.014	6.1	20.2
1 12	7 53.65	+17 7.3	2.048	3.026	2.3	20.0
1 22	7 44.09	+17 25.0	2.060	3.038	2.4	20.0
2 1	7 35.14	+17 42.9	2.101	3.050	6.0	20.3
2 11	7 27.70	+17 59.2	2.171	3.061	9.5	20.5
2 21	7 22.36	+18 12.7	2.266	3.072	12.5	20.8

362095 2009 BB_{182} 1 16.4 1°71 1°5/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.80	+17 14.9	1.181	2.027	18.8	20.9
12 23	8 10.19	+17 13.1	1.115	2.025	14.3	20.6
1 2	8 3.22	+17 23.5	1.068	2.024	9.0	20.3
1 12	7 53.90	+17 43.4	1.044	2.024	3.3	20.0
1 22	7 43.75	+18 8.3	1.045	2.025	3.5	20.0
2 1	7 34.53	+18 33.7	1.071	2.028	9.2	20.3
2 11	7 27.82	+18 56.0	1.120	2.031	14.4	20.6
2 21	7 24.53	+19 13.1	1.188	2.036	18.8	20.9

18663 Lynnta 1 16.4 12°53 4°7/18.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.11	+10 9.7	1.325	2.146	18.5	17.8
12 23	8 10.02	+ 9 53.2	1.256	2.147	14.6	17.6
1 2	8 2.93	+ 9 55.1	1.208	2.150	10.0	17.3
1 12	7 53.79	+10 15.2	1.183	2.153	5.8	17.1
1 22	7 43.91	+10 50.7	1.183	2.156	5.2	17.1
2 1	7 34.83	+11 36.9	1.209	2.160	9.1	17.3
2 11	7 27.95	+12 27.9	1.259	2.165	13.6	17.6
2 21	7 24.12	+13 18.5	1.330	2.171	17.6	17.8

41750 2000 VK_{28} 1 16.4 97°82 2°5/15.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.71	+24 2.4	1.625	2.452	15.4	19.4
12 23	8 13.83	+25 0.6	1.565	2.467	11.5	19.2
1 2	8 5.07	+26 3.3	1.528	2.482	7.0	19.0
1 12	7 54.41	+27 3.5	1.519	2.497	3.0	18.8
1 22	7 43.16	+27 54.5	1.537	2.511	4.1	18.9
2 1	7 32.81	+28 31.8	1.585	2.526	8.4	19.2
2 11	7 24.65	+28 54.4	1.658	2.539	12.4	19.5
2 21	7 19.45	+29 3.7	1.752	2.553	15.8	19.7

284097 2005 NE_{23} 1 16.4 236°43 3°3/18.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 11.02	+ 7 38.2	2.659	3.434	11.5	21.3
12 23	8 6.43	+ 7 51.2	2.564	3.427	9.1	21.1
1 2	8 0.21	+ 8 16.5	2.493	3.420	6.4	20.9
1 12	7 52.88	+ 8 53.4	2.450	3.413	4.0	20.8
1 22	7 45.09	+ 9 40.0	2.437	3.405	3.5	20.7
2 1	7 37.59	+10 33.4	2.455	3.397	5.7	20.9
2 11	7 31.13	+11 30.1	2.501	3.389	8.5	21.0
2 21	7 26.27	+12 26.8	2.573	3.381	11.1	21.2

283624 2002 CZ_{194} 1 16.4 61°28 1°6/15.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 21.78	+23 28.6	1.311	2.147	17.9	20.4
12 23	8 15.58	+23 48.6	1.264	2.170	13.3	20.2
1 2	8 6.14	+24 12.4	1.239	2.195	8.0	19.9
1 12	7 54.70	+24 34.0	1.239	2.219	2.7	19.7
1 22	7 42.90	+24 48.5	1.265	2.243	3.8	19.8
2 1	7 32.45	+24 53.0	1.319	2.268	8.8	20.2
2 11	7 24.70	+24 48.0	1.397	2.292	13.3	20.5
2 21	7 20.32	+24 35.2	1.496	2.317	17.0	20.8

465273 2007 TR_{115} 1 16.4 217°98 8°2/20.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 11.71	− 7 35.2	2.745	3.436	13.1	21.5
12 23	8 6.88	− 8 25.4	2.654	3.430	11.5	21.4
1 2	8 0.46	− 8 58.2	2.585	3.424	9.9	21.3
1 12	7 52.95	− 9 11.0	2.540	3.418	8.6	21.2
1 22	7 45.00	− 9 2.6	2.522	3.411	8.2	21.1
2 1	7 37.35	− 8 33.9	2.531	3.405	8.9	21.2
2 11	7 30.70	− 7 48.2	2.565	3.397	10.3	21.3
2 21	7 25.62	− 6 50.0	2.623	3.390	12.0	21.4

458253 2010 TR_{115} 1 16.4 101°28 3°5/17.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.75	+10 52.5	1.805	2.604	15.2	22.1
12 23	8 10.49	+10 46.0	1.732	2.613	11.8	21.9
1 2	8 2.89	+10 53.0	1.683	2.621	8.0	21.7
1 12	7 53.73	+11 12.6	1.659	2.629	4.4	21.5
1 22	7 44.06	+11 42.3	1.664	2.637	4.0	21.5
2 1	7 35.04	+12 18.7	1.698	2.645	7.3	21.7
2 11	7 27.73	+12 57.9	1.758	2.653	11.0	21.9
2 21	7 22.83	+13 36.5	1.841	2.661	14.4	22.2

74643 1999 RJ_{62} 1 16.4 59°.62 2°.2/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 19.71	+24 1.0	1.399	2.234	17.0	19.3
12 23	8 14.02	+24 40.9	1.349	2.255	12.6	19.1
1 2	8 5.22	+25 24.6	1.321	2.276	7.7	18.8
1 12	7 54.45	+26 5.4	1.318	2.297	3.0	18.6
1 22	7 43.22	+26 37.3	1.343	2.319	4.1	18.7
2 1	7 33.17	+26 56.6	1.394	2.340	8.7	19.1
2 11	7 25.61	+27 3.2	1.471	2.362	13.1	19.4
2 21	7 21.27	+26 58.8	1.568	2.383	16.6	19.7

462659 2009 SF_{332} 1 16.4 157°.45 5°.1/18.8 18

12 13	8 15.37	+ 4 38.3	2.438	3.197	12.9	21.7
12 23	8 9.64	+ 4 9.5	2.357	3.204	10.5	21.6
1 2	8 2.14	+ 3 53.9	2.300	3.211	7.8	21.4
1 12	7 53.47	+ 3 52.2	2.270	3.217	5.6	21.3
1 22	7 44.41	+ 4 3.9	2.270	3.223	5.2	21.3
2 1	7 35.80	+ 4 27.3	2.299	3.228	6.9	21.4
2 11	7 28.43	+ 4 59.3	2.357	3.232	9.5	21.5
2 21	7 22.89	+ 5 36.5	2.439	3.236	12.0	21.7

109505 2001 QA_{234} 1 16.4 64°.19 2°.6/17.5 18

12 13	8 15.54	+12 49.2	1.668	2.478	15.8	19.8
12 23	8 10.44	+12 57.5	1.605	2.494	12.1	19.6
1 2	8 2.89	+13 19.2	1.564	2.509	7.9	19.4
1 12	7 53.73	+13 52.1	1.550	2.525	3.7	19.2
1 22	7 44.11	+14 32.3	1.564	2.540	3.4	19.2
2 1	7 35.27	+15 15.8	1.605	2.556	7.3	19.5
2 11	7 28.30	+15 58.4	1.674	2.572	11.3	19.8
2 21	7 23.87	+16 37.3	1.765	2.588	14.7	20.0

495247 2013 LR_{24} 1 16.4 130°.84 4°.8/18.9 18

12 13	8 15.45	+ 4 58.7	2.391	3.152	13.1	22.1
12 23	8 9.69	+ 4 41.0	2.318	3.167	10.5	21.9
1 2	8 2.15	+ 4 37.1	2.268	3.182	7.7	21.7
1 12	7 53.48	+ 4 47.2	2.246	3.197	5.4	21.6
1 22	7 44.47	+ 5 10.2	2.254	3.210	4.9	21.6
2 1	7 35.97	+ 5 43.6	2.292	3.224	6.7	21.7
2 11	7 28.76	+ 6 24.1	2.357	3.236	9.3	21.9
2 21	7 23.40	+ 7 8.1	2.448	3.248	11.8	22.1

452458 2003 TH_{1} 1 16.4 58°.88 4°.9/17.6 17

12 13	8 21.02	+11 49.4	1.411	2.220	18.2	20.3
12 23	8 14.62	+10 49.0	1.359	2.244	14.1	20.1
1 2	8 5.41	+10 1.9	1.329	2.268	9.7	19.9
1 12	7 54.50	+ 9 29.5	1.325	2.292	5.8	19.8
1 22	7 43.27	+ 9 11.5	1.347	2.317	5.5	19.8
2 1	7 33.21	+ 9 6.3	1.397	2.341	8.9	20.1
2 11	7 25.50	+ 9 10.8	1.471	2.366	12.8	20.4
2 21	7 20.77	+ 9 21.5	1.568	2.390	16.3	20.6

304828 2007 RD_{21} 1 16.4 45°.04 2°.3/17.2 16

12 13	8 17.11	+14 8.9	1.209	2.041	19.3	20.4
12 23	8 12.19	+14 22.2	1.164	2.065	14.6	20.2
1 2	8 4.14	+14 51.5	1.139	2.090	9.3	20.0
1 12	7 54.14	+15 33.0	1.138	2.116	3.9	19.8
1 22	7 43.73	+16 20.7	1.163	2.142	3.6	19.8
2 1	7 34.53	+17 8.9	1.214	2.168	8.6	20.2
2 11	7 27.88	+17 52.8	1.289	2.195	13.3	20.5
2 21	7 24.45	+18 29.7	1.384	2.223	17.2	20.8

401332 2013 AW_{58} 1 16.4 98°.12 0°.0/16.3 18

12 13	8 21.91	+21 8.6	1.555	2.377	16.2	21.0
12 23	8 15.39	+21 3.4	1.492	2.391	12.2	20.8
1 2	8 5.98	+21 2.7	1.452	2.405	7.4	20.6
1 12	7 54.71	+21 3.3	1.438	2.418	2.3	20.3
1 22	7 42.98	+21 1.9	1.452	2.432	2.9	20.3
2 1	7 32.28	+20 56.9	1.495	2.445	7.9	20.7
2 11	7 23.88	+20 47.7	1.564	2.458	12.2	21.0
2 21	7 18.49	+20 35.1	1.655	2.470	15.9	21.2

455081 2015 UJ_{53} 1 16.4 130°.47 1°.7/15.7 18

12 13	8 21.71	+22 41.6	1.712	2.531	15.1	22.0
12 23	8 15.19	+23 27.7	1.648	2.545	11.3	21.8
1 2	8 5.88	+24 18.9	1.606	2.559	6.9	21.6
1 12	7 54.70	+25 9.1	1.593	2.573	2.5	21.3
1 22	7 42.95	+25 52.5	1.609	2.585	3.5	21.4
2 1	7 32.06	+26 25.0	1.654	2.597	7.9	21.7
2 11	7 23.30	+26 45.5	1.726	2.608	11.9	22.0
2 21	7 17.41	+26 54.9	1.820	2.619	15.3	22.2

313839 2004 DJ_{2} 1 16.4 137°.98 8°.1/15.7 17

12 13	8 39.82	+39 31.1	1.255	2.069	19.8	19.9
12 23	8 29.97	+39 41.2	1.193	2.077	15.8	19.6
1 2	8 15.31	+39 33.9	1.151	2.084	11.5	19.4
1 12	7 57.62	+38 57.4	1.134	2.092	8.4	19.3
1 22	7 39.48	+37 46.5	1.144	2.098	8.9	19.3
2 1	7 23.62	+36 5.4	1.181	2.104	12.5	19.5
2 11	7 11.95	+34 5.7	1.242	2.110	16.7	19.8
2 21	7 5.16	+31 59.8	1.324	2.115	20.4	20.0

86914 2000 HG_{51} 1 16.4 117°.15 2°.0/17.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 20.61	+14 8.2	1.892	2.689	14.7	20.4
12 23	8 13.90	+14 17.6	1.829	2.711	11.2	20.2
1 2	8 4.86	+14 37.5	1.790	2.734	7.2	20.0
1 12	7 54.36	+15 5.4	1.779	2.755	3.1	19.8
1 22	7 43.47	+15 37.8	1.798	2.775	2.9	19.8
2 1	7 33.39	+16 11.3	1.847	2.795	6.8	20.1
2 11	7 25.13	+16 43.2	1.924	2.814	10.5	20.3
2 21	7 19.34	+17 11.5	2.025	2.831	13.7	20.6

268078 2004 RH_{108} 1 16.4 92°.98 0°.3/16.5 18

12 13	8 18.01	+19 56.0	2.034	2.845	13.3	21.1
12 23	8 11.89	+19 53.5	1.968	2.862	10.0	20.9
1 2	8 3.60	+19 55.5	1.928	2.878	6.1	20.7
1 12	7 53.96	+19 59.6	1.915	2.895	2.0	20.5
1 22	7 43.98	+20 3.5	1.932	2.911	2.3	20.5
2 1	7 34.74	+20 5.3	1.979	2.927	6.3	20.8
2 11	7 27.20	+20 4.1	2.054	2.943	10.0	21.1
2 21	7 21.96	+20 0.0	2.152	2.959	13.0	21.3

405142 2002 RF_{179} 1 16.4 68°.22 2°.3/15.6 18

12 13	8 20.50	+25 23.0	1.573	2.401	15.7	21.5
12 23	8 14.33	+25 49.8	1.520	2.422	11.7	21.3
1 2	8 5.31	+26 18.1	1.490	2.444	7.2	21.1
1 12	7 54.51	+26 42.2	1.486	2.465	2.9	20.9
1 22	7 43.32	+26 57.4	1.511	2.486	3.9	21.0
2 1	7 33.23	+27 1.4	1.564	2.508	8.2	21.3
2 11	7 25.45	+26 54.7	1.642	2.529	12.2	21.6
2 21	7 20.66	+26 39.3	1.742	2.550	15.5	21.9

457858 2009 SU_{179} 1 16.4 208°.34 0°.6/16.7 16

12 13	8 15.84	+17 17.9	2.328	3.130	12.1	22.5
12 23	8 10.31	+17 43.8	2.236	3.125	9.2	22.3
1 2	8 2.74	+18 17.5	2.170	3.118	5.7	22.1
1 12	7 53.75	+18 56.0	2.132	3.111	1.9	21.8
1 22	7 44.17	+19 36.1	2.125	3.104	2.2	21.8
2 1	7 34.99	+20 14.4	2.148	3.096	6.0	22.1
2 11	7 27.13	+20 48.5	2.200	3.087	9.5	22.3
2 21	7 21.29	+21 17.0	2.277	3.078	12.6	22.5

429327 2010 EY_{99} 1 16.4 215°.33 5°.6/19.7 17

12 13	8 11.13	− 0 22.7	2.960	3.691	11.5	22.2
12 23	8 6.35	− 0 47.4	2.864	3.684	9.6	22.0
1 2	8 0.12	− 0 58.4	2.792	3.677	7.7	21.9
1 12	7 52.90	− 0 54.7	2.746	3.670	6.1	21.8
1 22	7 45.28	− 0 36.3	2.729	3.662	5.7	21.8
2 1	7 37.93	− 0 4.7	2.741	3.654	6.7	21.8
2 11	7 31.51	+ 0 37.3	2.782	3.645	8.6	21.9
2 21	7 26.51	+ 1 26.4	2.847	3.636	10.6	22.0

460366 2014 SD_{2} 1 16.4 89°.57 0°.4/16.2 18

12 13	8 17.47	+20 9.8	1.810	2.629	14.4	21.3
12 23	8 11.82	+20 40.1	1.746	2.644	10.7	21.1
1 2	8 3.73	+21 16.9	1.706	2.659	6.5	20.9
1 12	7 54.04	+21 56.0	1.694	2.675	2.0	20.6
1 22	7 43.89	+22 32.7	1.711	2.690	2.7	20.7
2 1	7 34.51	+23 3.5	1.756	2.704	7.1	21.0
2 11	7 26.99	+23 26.5	1.829	2.719	11.0	21.3
2 21	7 22.01	+23 41.5	1.924	2.733	14.2	21.5

183342 2002 VF_{90} 1 16.4 1°.29 0°.2/16.3 18

12 13	8 13.49	+19 12.2	1.366	2.206	17.0	19.9
12 23	8 9.69	+19 42.6	1.296	2.205	12.8	19.6
1 2	8 2.84	+20 23.8	1.247	2.204	7.9	19.4
1 12	7 53.86	+21 11.0	1.223	2.204	2.4	19.0
1 22	7 44.08	+21 58.1	1.225	2.205	3.2	19.1
2 1	7 35.08	+22 39.5	1.253	2.206	8.6	19.4
2 11	7 28.32	+23 11.9	1.305	2.209	13.4	19.7
2 21	7 24.66	+23 34.0	1.378	2.213	17.5	19.9

265345 2004 RT_{20} 1 16.4 128°.18 0°.8/16.8 18

12 13	8 15.57	+17 33.0	2.061	2.871	13.2	21.1
12 23	8 10.21	+17 45.1	1.985	2.877	10.0	20.9
1 2	8 2.69	+18 4.4	1.933	2.882	6.2	20.7
1 12	7 53.73	+18 28.6	1.908	2.887	2.2	20.5
1 22	7 44.29	+18 54.5	1.913	2.893	2.4	20.5
2 1	7 35.42	+19 19.2	1.948	2.897	6.3	20.7
2 11	7 28.10	+19 40.6	2.010	2.902	10.0	21.0
2 21	7 23.00	+19 57.7	2.097	2.907	13.2	21.2

507311 2011 QP_{21} 1 16.4 180°.41 3°.0/15.0 18

12 13	8 17.73	+32 29.7	2.915	3.719	9.9	21.3
12 23	8 11.34	+32 41.3	2.833	3.719	7.5	21.2
1 2	8 3.16	+32 48.7	2.778	3.720	5.1	21.0
1 12	7 53.84	+32 48.6	2.753	3.720	3.2	20.9
1 22	7 44.19	+32 38.8	2.758	3.720	3.8	20.9
2 1	7 35.08	+32 18.5	2.794	3.719	6.0	21.1
2 11	7 27.30	+31 48.8	2.859	3.718	8.5	21.2
2 21	7 21.40	+31 11.6	2.949	3.717	10.8	21.4

53624 2000 CT_{95} 1 16.4 122°.97 1°.0/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.47	+16 35.2	2.023	2.828	13.6	19.9
12 23	8 11.58	+16 52.2	1.954	2.843	10.2	19.7
1 2	8 3.49	+17 17.5	1.908	2.856	6.4	19.5
1 12	7 53.98	+17 48.3	1.891	2.869	2.3	19.2
1 22	7 44.02	+18 21.1	1.903	2.882	2.4	19.3
2 1	7 34.72	+18 52.8	1.946	2.894	6.4	19.5
2 11	7 27.06	+19 20.9	2.016	2.906	10.1	19.8
2 21	7 21.67	+19 44.1	2.110	2.917	13.2	20.0

163154 2002 CE_{123} 1 16.4 164°.26 1°.7/15.9 18

12 13	8 23.67	+25 56.2	1.885	2.697	14.2	20.0
12 23	8 16.47	+25 55.8	1.808	2.702	10.6	19.8
1 2	8 6.59	+25 54.7	1.755	2.706	6.6	19.6
1 12	7 54.95	+25 49.0	1.731	2.710	2.5	19.3
1 22	7 42.80	+25 35.7	1.737	2.713	3.3	19.4
2 1	7 31.50	+25 13.8	1.773	2.716	7.4	19.7
2 11	7 22.26	+24 44.6	1.836	2.718	11.4	19.9
2 21	7 15.79	+24 10.3	1.922	2.719	14.7	20.1

157997 2000 LG_{32} 1 16.4 168°.05 2°.6/18.3 18

12 13	8 8.50	+ 8 27.1	3.958	4.723	8.2	20.2
12 23	8 4.05	+ 8 16.3	3.869	4.726	6.5	20.1
1 2	7 58.55	+ 8 12.4	3.806	4.728	4.6	20.0
1 12	7 52.40	+ 8 15.4	3.773	4.731	3.0	19.9
1 22	7 46.02	+ 8 24.5	3.770	4.733	2.7	19.8
2 1	7 39.88	+ 8 38.7	3.799	4.735	4.1	19.9
2 11	7 34.43	+ 8 56.5	3.857	4.737	6.0	20.1
2 21	7 30.03	+ 9 16.4	3.942	4.739	7.8	20.2

70500 1999 TR_{95} 1 16.4 148°.65 2°.3/15.4 18

12 13	8 20.20	+25 28.8	2.058	2.872	13.1	20.4
12 23	8 13.77	+26 12.8	1.987	2.882	9.8	20.2
1 2	8 4.91	+26 58.8	1.941	2.891	6.1	20.0
1 12	7 54.44	+27 41.3	1.923	2.900	2.7	19.8
1 22	7 43.44	+28 15.7	1.936	2.908	3.6	19.9
2 1	7 33.11	+28 38.8	1.978	2.916	7.2	20.1
2 11	7 24.56	+28 50.1	2.048	2.922	10.7	20.4
2 21	7 18.50	+28 50.9	2.142	2.928	13.7	20.6

105955 2000 SU_{249} 1 16.4 5°.79 1°.0/15.9 18 R

12 13	8 14.47	+21 14.3	1.625	2.457	15.2	18.8
12 23	8 10.03	+21 49.5	1.552	2.457	11.3	18.6
1 2	8 2.88	+22 32.0	1.502	2.457	6.9	18.4
1 12	7 53.86	+23 16.8	1.478	2.458	2.2	18.1
1 22	7 44.15	+23 58.6	1.482	2.460	3.2	18.1
2 1	7 35.14	+24 32.9	1.513	2.462	7.8	18.4
2 11	7 28.07	+24 57.4	1.570	2.465	12.1	18.7
2 21	7 23.77	+25 11.9	1.648	2.468	15.8	18.9

489399 2006 VS_{3} 1 16.4 43°.37 3°.4/15.4 17

12 13	8 19.66	+24 45.6	1.026	1.881	20.2	21.2
12 23	8 14.96	+25 38.7	0.980	1.897	15.1	21.0
1 2	8 6.26	+26 37.0	0.954	1.913	9.3	20.7
1 12	7 54.92	+27 30.7	0.951	1.930	4.0	20.5
1 22	7 42.93	+28 10.7	0.972	1.947	5.4	20.6
2 1	7 32.44	+28 32.3	1.017	1.965	10.8	21.0
2 11	7 25.18	+28 35.6	1.084	1.984	15.8	21.3
2 21	7 21.94	+28 24.3	1.170	2.003	20.0	21.6

250193 2002 UX_{19} 1 16.4 61°.44 2°.6/17.6 17

12 13	8 18.19	+12 21.7	1.524	2.334	17.0	20.6
12 23	8 12.42	+12 40.1	1.477	2.366	13.0	20.4
1 2	8 4.07	+13 13.3	1.452	2.397	8.4	20.2
1 12	7 54.14	+13 58.1	1.453	2.428	3.9	20.0
1 22	7 43.92	+14 49.4	1.482	2.460	3.5	20.0
2 1	7 34.71	+15 42.2	1.540	2.491	7.5	20.4
2 11	7 27.62	+16 32.0	1.623	2.522	11.6	20.7
2 21	7 23.27	+17 16.0	1.729	2.552	15.0	21.0

176713 2002 QO_{66} 1 16.4 38°.55 8°.1/15.0 18

12 13	8 26.06	+37 51.3	1.179	2.017	19.3	19.2
12 23	8 19.35	+38 30.3	1.146	2.044	15.1	19.0
1 2	8 8.60	+38 55.1	1.133	2.072	10.9	18.8
1 12	7 55.52	+38 55.8	1.144	2.101	8.3	18.8
1 22	7 42.34	+38 27.9	1.179	2.131	9.0	18.9
2 1	7 31.20	+37 33.7	1.238	2.162	12.1	19.2
2 11	7 23.59	+36 20.7	1.321	2.193	15.6	19.5
2 21	7 20.01	+34 57.4	1.423	2.224	18.7	19.8

379015 2008 UG_{369} 1 16.4 90°.70 4°.7/13.8 18

12 13	8 16.69	+32 23.1	2.168	2.988	12.3	21.4
12 23	8 11.30	+33 32.7	2.099	2.992	9.4	21.2
1 2	8 3.49	+34 40.0	2.055	2.996	6.6	21.0
1 12	7 54.03	+35 38.4	2.039	3.000	4.8	20.9
1 22	7 43.96	+36 22.3	2.052	3.004	5.7	21.0
2 1	7 34.48	+36 48.5	2.093	3.008	8.3	21.2
2 11	7 26.70	+36 57.3	2.161	3.012	11.2	21.4
2 21	7 21.37	+36 50.9	2.251	3.016	13.8	21.5

354424 2003 WB_{75} 1 16.4 126°.84 0°.3/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 19.00	+18 21.8	2.002	2.809	13.7	21.3
12 23	8 12.75	+18 48.3	1.934	2.825	10.2	21.1
1 2	8 4.22	+19 21.9	1.891	2.841	6.3	20.9
1 12	7 54.22	+19 59.1	1.876	2.856	2.0	20.7
1 22	7 43.77	+20 35.9	1.891	2.871	2.4	20.7
2 1	7 34.01	+21 8.8	1.937	2.884	6.5	21.0
2 11	7 25.97	+21 36.0	2.010	2.898	10.3	21.3
2 21	7 20.29	+21 56.5	2.107	2.910	13.4	21.5

57466 2001 SU_{108} 1 16.4 144°.27 2°.5/15.6 18

12 13	8 22.73	+26 31.2	1.729	2.549	14.9	19.2
12 23	8 16.01	+26 55.1	1.659	2.557	11.2	18.9
1 2	8 6.43	+27 19.4	1.613	2.565	7.0	18.7
1 12	7 54.93	+27 38.5	1.595	2.572	3.1	18.5
1 22	7 42.87	+27 47.8	1.605	2.579	4.0	18.6
2 1	7 31.71	+27 45.3	1.644	2.585	8.1	18.8
2 11	7 22.76	+27 31.5	1.710	2.591	12.1	19.1
2 21	7 16.77	+27 8.9	1.798	2.596	15.5	19.3

362136 2009 DC_{80} 1 16.4 138°.14 0°.0/16.3 18

12 13	8 18.48	+19 10.3	1.990	2.799	13.6	21.4
12 23	8 12.44	+19 37.2	1.918	2.810	10.2	21.2
1 2	8 4.08	+20 10.8	1.870	2.821	6.2	21.0
1 12	7 54.19	+20 47.5	1.851	2.831	1.9	20.7
1 22	7 43.80	+21 23.1	1.862	2.841	2.4	20.8
2 1	7 34.07	+21 54.4	1.902	2.850	6.6	21.1
2 11	7 26.04	+22 19.2	1.971	2.858	10.4	21.3
2 21	7 20.39	+22 37.2	2.063	2.866	13.6	21.5

170652 2003 YJ_{116} 1 16.4 55°.71 1°.8/15.7 18

12 13	8 18.62	+22 20.9	1.408	2.243	16.9	19.4
12 23	8 13.21	+23 11.0	1.359	2.265	12.5	19.2
1 2	8 4.77	+24 7.3	1.332	2.288	7.6	19.0
1 12	7 54.41	+25 2.7	1.331	2.311	2.7	18.7
1 22	7 43.59	+25 50.3	1.358	2.334	3.8	18.9
2 1	7 33.87	+26 25.8	1.411	2.358	8.5	19.2
2 11	7 26.57	+26 47.8	1.489	2.381	12.8	19.5
2 21	7 22.38	+26 57.5	1.589	2.405	16.4	19.8

499448 2010 EG_{70} 1 16.4 289°.88 6°.0/13.5 18

12 13	8 18.23	+37 27.5	2.227	3.039	12.3	21.0
12 23	8 12.60	+38 20.6	2.144	3.027	9.8	20.8
1 2	8 4.38	+39 7.5	2.085	3.015	7.3	20.6
1 12	7 54.33	+39 41.7	2.054	3.002	6.0	20.5
1 22	7 43.58	+39 57.9	2.051	2.990	6.8	20.5
2 1	7 33.41	+39 54.0	2.076	2.978	9.1	20.7
2 11	7 25.05	+39 31.1	2.126	2.966	11.8	20.8
2 21	7 19.29	+38 53.0	2.198	2.954	14.4	21.0

70980 1999 XA_{25} 1 16.4 359°.87 6°.1/13.8 18

12 13	8 17.83	+31 5.7	1.451	2.290	16.2	17.2
12 23	8 13.21	+32 31.1	1.384	2.289	12.5	16.9
1 2	8 5.16	+33 56.4	1.341	2.288	8.6	16.7
1 12	7 54.64	+35 11.4	1.323	2.288	6.1	16.6
1 22	7 43.18	+36 6.6	1.331	2.288	7.4	16.7
2 1	7 32.57	+36 37.0	1.365	2.289	11.1	16.9
2 11	7 24.48	+36 42.9	1.422	2.290	14.9	17.1
2 21	7 19.89	+36 28.6	1.498	2.292	18.3	17.3

357383 2003 UM_{33} 1 16.4 141°.19 0°.5/16.6 18

12 13	8 18.80	+17 56.6	1.975	2.782	13.8	22.1
12 23	8 12.68	+18 16.9	1.903	2.793	10.4	21.9
1 2	8 4.23	+18 44.9	1.854	2.804	6.4	21.7
1 12	7 54.24	+19 17.1	1.834	2.814	2.1	21.4
1 22	7 43.76	+19 49.8	1.844	2.823	2.4	21.5
2 1	7 33.94	+20 19.7	1.884	2.832	6.6	21.7
2 11	7 25.83	+20 44.8	1.951	2.840	10.4	22.0
2 21	7 20.11	+21 4.0	2.043	2.848	13.7	22.2

459086 2012 BJ_{69} 1 16.4 65°.26 3°.7/15.7 18

12 13	8 24.91	+30 57.1	1.582	2.405	15.9	21.3
12 23	8 17.70	+30 54.9	1.522	2.419	12.0	21.1
1 2	8 7.40	+30 46.8	1.484	2.433	7.8	20.8
1 12	7 55.20	+30 27.7	1.474	2.448	4.1	20.7
1 22	7 42.66	+29 54.6	1.492	2.462	4.8	20.7
2 1	7 31.41	+29 8.1	1.538	2.477	8.7	21.0
2 11	7 22.73	+28 11.8	1.610	2.491	12.7	21.3
2 21	7 17.31	+27 10.3	1.704	2.506	16.1	21.5

473954 2016 EE_{181} 1 16.4 25°.37 0°.7/16.1 18

12 13	8 15.43	+21 44.1	1.941	2.762	13.5	21.2
12 23	8 10.32	+22 2.1	1.864	2.763	10.1	21.0
1 2	8 2.87	+22 24.8	1.811	2.764	6.2	20.8
1 12	7 53.84	+22 48.5	1.786	2.766	1.9	20.5
1 22	7 44.27	+23 9.5	1.789	2.768	2.7	20.6
2 1	7 35.31	+23 25.2	1.822	2.770	6.9	20.8
2 11	7 28.04	+23 34.2	1.881	2.772	10.7	21.1
2 21	7 23.15	+23 36.5	1.964	2.774	14.0	21.3

409017 2003 *BY* 1 16.4 325°.87 0°.1/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.22	+21 9.2	1.486	2.321	16.1	20.2
12 23	8 10.96	+21 8.4	1.399	2.305	12.2	19.9
1 2	8 3.67	+21 13.3	1.335	2.290	7.6	19.6
1 12	7 54.18	+21 20.6	1.295	2.276	2.4	19.2
1 22	7 43.77	+21 26.8	1.282	2.262	3.1	19.2
2 1	7 34.00	+21 28.9	1.296	2.249	8.4	19.5
2 11	7 26.33	+21 25.6	1.335	2.237	13.3	19.7
2 21	7 21.71	+21 17.1	1.394	2.226	17.5	20.0

323512 2004 RU_{55} 1 16.4 156°.78 5°.4/13.9 18

12 13	8 21.05	+36 28.4	2.292	3.100	12.1	20.8
12 23	8 14.43	+37 18.4	2.223	3.105	9.5	20.6
1 2	8 5.33	+38 2.1	2.179	3.110	7.0	20.5
1 12	7 54.60	+38 33.1	2.163	3.114	5.5	20.4
1 22	7 43.34	+38 47.0	2.175	3.119	6.2	20.4
2 1	7 32.81	+38 42.2	2.217	3.122	8.5	20.6
2 11	7 24.12	+38 20.3	2.285	3.126	11.1	20.8
2 21	7 17.99	+37 45.0	2.376	3.129	13.5	20.9

480047 2015 BO_{514} 1 16.4 249°.72 15°.0/14.4 16

12 13	8 43.95	+49 48.6	1.123	1.926	22.3	21.1
12 23	8 35.19	+50 56.4	1.061	1.920	19.3	20.9
1 2	8 19.64	+51 38.5	1.016	1.914	16.6	20.7
1 12	7 59.25	+51 34.1	0.992	1.907	15.1	20.6
1 22	7 37.68	+50 30.5	0.990	1.900	15.7	20.6
2 1	7 19.10	+48 30.2	1.009	1.893	18.1	20.7
2 11	7 6.32	+45 49.9	1.049	1.886	21.4	20.9
2 21	7 0.06	+42 50.2	1.107	1.878	24.8	21.1

446859 2001 UZ_{137} 1 16.4 125°.08 1°.3/15.9 16

12 13	8 22.05	+22 26.4	1.805	2.619	14.6	22.3
12 23	8 15.28	+23 3.0	1.741	2.637	10.9	22.1
1 2	8 5.89	+23 44.0	1.702	2.654	6.6	21.9
1 12	7 54.78	+24 24.2	1.691	2.671	2.3	21.6
1 22	7 43.19	+24 58.6	1.710	2.687	3.2	21.7
2 1	7 32.46	+25 23.8	1.758	2.702	7.4	22.0
2 11	7 23.76	+25 38.8	1.833	2.716	11.3	22.3
2 21	7 17.81	+25 44.5	1.932	2.730	14.6	22.5

210052 2006 PM_{20} 1 16.4 213°.90 0°.3/16.6 18

12 13	8 18.07	+18 48.5	1.961	2.772	13.8	21.3
12 23	8 12.35	+19 3.6	1.873	2.766	10.4	21.0
1 2	8 4.18	+19 25.8	1.809	2.760	6.4	20.8
1 12	7 54.29	+19 52.0	1.773	2.753	2.1	20.5
1 22	7 43.72	+20 18.7	1.766	2.746	2.5	20.5
2 1	7 33.67	+20 42.6	1.789	2.738	6.9	20.8
2 11	7 25.27	+21 1.7	1.840	2.730	10.9	21.0
2 21	7 19.31	+21 15.3	1.914	2.721	14.4	21.2

129707 1998 SM_{147} 1 16.4 85°.31 0°.9/15.9 18

12 13	8 15.34	+21 56.6	2.099	2.916	12.7	19.6
12 23	8 10.05	+22 26.7	2.029	2.926	9.5	19.4
1 2	8 2.61	+23 1.1	1.984	2.937	5.8	19.2
1 12	7 53.76	+23 36.0	1.967	2.947	1.9	18.9
1 22	7 44.46	+24 7.5	1.979	2.957	2.6	19.0
2 1	7 35.78	+24 32.6	2.022	2.968	6.5	19.3
2 11	7 28.67	+24 50.0	2.091	2.978	10.0	19.5
2 21	7 23.78	+24 59.7	2.185	2.988	13.0	19.7

467476 2006 RK_{30} 1 16.4 117°.61 3°.4/18.1 18

12 13	8 12.54	+ 9 24.3	2.507	3.288	12.0	21.9
12 23	8 7.58	+ 9 12.5	2.427	3.295	9.4	21.7
1 2	8 0.94	+ 9 11.3	2.372	3.302	6.5	21.6
1 12	7 53.22	+ 9 20.2	2.344	3.308	4.0	21.4
1 22	7 45.13	+ 9 37.9	2.347	3.315	3.6	21.4
2 1	7 37.48	+10 2.4	2.379	3.321	5.9	21.6
2 11	7 31.00	+10 31.2	2.440	3.327	8.7	21.7
2 21	7 26.23	+11 1.6	2.525	3.333	11.3	21.9

458905 2011 UE_{230} 1 16.4 85°.61 0°.0/16.4 16

12 13	8 20.02	+19 8.1	1.580	2.400	16.1	21.8
12 23	8 13.94	+19 36.4	1.524	2.422	12.0	21.6
1 2	8 5.12	+20 12.8	1.491	2.444	7.3	21.3
1 12	7 54.55	+20 52.6	1.485	2.465	2.3	21.1
1 22	7 43.54	+21 30.5	1.507	2.486	2.8	21.2
2 1	7 33.50	+22 2.8	1.557	2.507	7.6	21.5
2 11	7 25.65	+22 27.2	1.634	2.527	11.8	21.8
2 21	7 20.66	+22 43.5	1.733	2.547	15.4	22.1

87088 2000 *LY* 1 16.4 75°.96 2°.3/17.2 18

12 13	8 21.79	+15 9.8	1.433	2.249	17.7	19.5
12 23	8 15.26	+15 4.5	1.384	2.277	13.4	19.3
1 2	8 5.88	+15 11.0	1.357	2.305	8.5	19.1
1 12	7 54.76	+15 26.6	1.355	2.332	3.6	18.8
1 22	7 43.33	+15 47.6	1.382	2.360	3.4	18.9
2 1	7 33.07	+16 10.5	1.436	2.387	8.0	19.2
2 11	7 25.18	+16 32.5	1.515	2.413	12.3	19.6
2 21	7 20.32	+16 51.5	1.617	2.439	15.9	19.8

110742 Tetuokudo 1 16.4 150°.15 0°.4/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.21	+19 24.6	2.668	3.473	10.7	20.3
12 23	8 8.13	+20 11.0	2.587	3.478	8.0	20.1
1 2	8 1.33	+21 3.2	2.533	3.483	4.8	19.9
1 12	7 53.36	+21 58.0	2.508	3.488	1.5	19.7
1 22	7 44.97	+22 51.6	2.514	3.493	2.0	19.8
2 1	7 36.95	+23 40.7	2.552	3.497	5.3	20.0
2 11	7 30.08	+24 23.2	2.619	3.501	8.4	20.2
2 21	7 24.93	+24 57.9	2.711	3.505	11.0	20.4

396128 2013 CS_{198} 1 16.4 261°.41 1°.4/17.3 17

12 13	8 9.49	+14 27.5	3.541	4.330	8.6	21.7
12 23	8 5.01	+14 25.1	3.436	4.314	6.6	21.6
1 2	7 59.28	+14 28.0	3.357	4.298	4.3	21.4
1 12	7 52.71	+14 35.4	3.307	4.281	2.0	21.2
1 22	7 45.80	+14 46.2	3.289	4.265	1.9	21.2
2 1	7 39.10	+14 59.1	3.302	4.248	4.2	21.3
2 11	7 33.18	+15 12.9	3.345	4.232	6.6	21.5
2 21	7 28.45	+15 26.3	3.414	4.215	8.8	21.6

246475 2007 WL_{28} 1 16.4 283°.13 5°.1/18.7 18

12 13	8 12.00	+ 5 14.9	2.371	3.140	12.9	20.4
12 23	8 7.36	+ 4 45.8	2.280	3.134	10.5	20.2
1 2	8 0.92	+ 4 29.6	2.213	3.128	7.8	20.1
1 12	7 53.25	+ 4 27.4	2.172	3.122	5.6	19.9
1 22	7 45.11	+ 4 38.8	2.160	3.116	5.2	19.9
2 1	7 37.33	+ 5 2.2	2.177	3.109	7.0	20.0
2 11	7 30.73	+ 5 34.6	2.221	3.103	9.7	20.1
2 21	7 25.91	+ 6 12.6	2.289	3.097	12.3	20.3

169385 2001 VC_{26} 1 16.4 86°.85 5°.9/12.7 18

12 13	8 18.74	+37 54.8	2.463	3.269	11.4	20.5
12 23	8 12.63	+39 17.4	2.412	3.290	9.1	20.4
1 2	8 4.22	+40 33.2	2.387	3.310	6.9	20.3
1 12	7 54.28	+41 35.4	2.390	3.329	5.9	20.3
1 22	7 43.86	+42 19.3	2.422	3.349	6.7	20.3
2 1	7 34.08	+42 42.7	2.483	3.368	8.6	20.5
2 11	7 26.00	+42 46.9	2.569	3.388	10.7	20.7
2 21	7 20.30	+42 35.1	2.678	3.406	12.7	20.9

246024 2006 UJ_{43} 1 16.4 111°.92 7°.5/12.9 18

12 13	8 23.33	+38 53.4	1.893	2.705	14.1	20.0
12 23	8 16.73	+40 17.4	1.837	2.717	11.3	19.9
1 2	8 7.02	+41 32.6	1.806	2.729	8.8	19.8
1 12	7 55.20	+42 29.9	1.801	2.741	7.5	19.7
1 22	7 42.72	+43 2.7	1.824	2.752	8.4	19.8
2 1	7 31.19	+43 8.8	1.874	2.764	10.7	19.9
2 11	7 22.04	+42 51.2	1.948	2.774	13.3	20.1
2 21	7 16.08	+42 15.2	2.042	2.785	15.7	20.3

391455 2007 GA_{15} 1 16.4 228°.53 3°.2/17.6 18

12 13	8 18.39	+11 50.4	1.759	2.558	15.6	22.1
12 23	8 12.84	+11 47.8	1.667	2.548	12.2	21.9
1 2	8 4.64	+11 58.7	1.597	2.537	8.2	21.6
1 12	7 54.50	+12 22.1	1.554	2.526	4.3	21.4
1 22	7 43.51	+12 55.3	1.539	2.514	3.9	21.3
2 1	7 32.99	+13 34.8	1.553	2.502	7.8	21.5
2 11	7 24.21	+14 16.4	1.594	2.488	12.0	21.7
2 21	7 18.05	+14 56.9	1.658	2.475	15.8	21.9

246377 2007 TH_{429} 1 16.4 336°.81 3°.2/14.8 18

12 13	8 14.54	+28 20.0	2.119	2.943	12.4	20.9
12 23	8 9.69	+29 6.5	2.040	2.939	9.3	20.7
1 2	8 2.54	+29 53.4	1.986	2.936	6.0	20.5
1 12	7 53.80	+30 35.5	1.959	2.932	3.4	20.3
1 22	7 44.46	+31 8.1	1.962	2.929	4.3	20.4
2 1	7 35.65	+31 28.0	1.993	2.926	7.5	20.6
2 11	7 28.44	+31 34.8	2.050	2.923	10.8	20.8
2 21	7 23.55	+31 29.7	2.131	2.921	13.7	21.0

68365 2001 OQ_{61} 1 16.4 59°.70 1°.3/15.9 17

12 13	8 18.75	+20 27.4	1.271	2.110	18.1	19.5
12 23	8 13.70	+21 21.6	1.217	2.125	13.5	19.2
1 2	8 5.31	+22 26.0	1.184	2.140	8.2	19.0
1 12	7 54.70	+23 33.0	1.175	2.156	2.7	18.7
1 22	7 43.42	+24 34.2	1.193	2.172	3.8	18.8
2 1	7 33.25	+25 23.7	1.238	2.188	9.1	19.2
2 11	7 25.66	+25 58.6	1.307	2.204	13.9	19.5
2 21	7 21.49	+26 19.5	1.396	2.220	17.8	19.8

328359 2008 OZ_{3} 1 16.4 183°.68 0°.0/16.4 17

12 13	8 16.74	+20 34.2	2.728	3.528	10.6	21.9
12 23	8 10.66	+20 39.8	2.640	3.528	8.0	21.7
1 2	8 2.84	+20 48.6	2.579	3.528	4.9	21.5
1 12	7 53.85	+20 58.3	2.547	3.527	1.5	21.3
1 22	7 44.45	+21 7.0	2.547	3.526	1.9	21.3
2 1	7 35.49	+21 13.0	2.578	3.524	5.3	21.5
2 11	7 27.74	+21 15.5	2.639	3.521	8.3	21.7
2 21	7 21.77	+21 14.3	2.725	3.518	11.0	21.9

27815 1993 SA_1 1 16.4 163°.37 4°.6/18.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.64	+ 5 3.3	2.508	3.266	12.6	19.4
12 23	8 9.89	+ 4 51.8	2.425	3.273	10.1	19.3
1 2	8 2.38	+ 4 53.7	2.365	3.279	7.5	19.1
1 12	7 53.71	+ 5 9.0	2.334	3.285	5.2	19.0
1 22	7 44.64	+ 5 36.6	2.332	3.290	4.7	18.9
2 1	7 35.98	+ 6 14.1	2.361	3.294	6.5	19.0
2 11	7 28.54	+ 6 58.3	2.419	3.297	9.1	19.2
2 21	7 22.86	+ 7 45.5	2.501	3.300	11.6	19.4

433917 2015 BQ_{507} 1 16.4 255°.39 1°.0/16.9 17

12 13	8 13.28	+16 43.3	2.312	3.118	12.1	21.7
12 23	8 8.43	+16 55.1	2.223	3.113	9.1	21.5
1 2	8 1.63	+17 14.4	2.160	3.108	5.8	21.3
1 12	7 53.51	+17 39.0	2.125	3.103	2.2	21.0
1 22	7 44.87	+18 6.2	2.119	3.098	2.2	21.0
2 1	7 36.66	+18 33.4	2.144	3.094	5.8	21.3
2 11	7 29.74	+18 58.5	2.197	3.088	9.3	21.5
2 21	7 24.76	+19 19.8	2.274	3.083	12.3	21.7

432057 2008 YQ_{21} 1 16.4 332°.75 0°.2/16.4 18

12 13	8 16.00	+22 27.8	2.067	2.884	12.9	20.4
12 23	8 10.65	+22 14.3	1.981	2.878	9.7	20.2
1 2	8 3.05	+22 2.7	1.919	2.872	6.0	20.0
1 12	7 53.95	+21 50.7	1.886	2.866	1.9	19.7
1 22	7 44.34	+21 36.6	1.882	2.861	2.4	19.7
2 1	7 35.30	+21 19.3	1.907	2.856	6.5	20.0
2 11	7 27.87	+20 58.7	1.960	2.851	10.3	20.2
2 21	7 22.71	+20 35.5	2.036	2.847	13.5	20.4

502597 2015 CZ_9 1 16.4 219°.50 0°.2/16.6 17

12 13	8 13.28	+19 9.2	2.708	3.512	10.6	22.1
12 23	8 8.18	+19 23.6	2.616	3.506	7.9	21.9
1 2	8 1.38	+19 42.8	2.550	3.500	4.9	21.7
1 12	7 53.42	+20 4.6	2.513	3.493	1.6	21.4
1 22	7 45.01	+20 26.6	2.507	3.486	1.9	21.4
2 1	7 36.96	+20 46.8	2.532	3.479	5.2	21.7
2 11	7 30.03	+21 3.6	2.586	3.472	8.3	21.8
2 21	7 24.79	+21 16.2	2.665	3.465	11.0	22.0

235587 2004 PD_8 1 16.4 149°.10 1°.7/15.9 18

12 13	8 22.08	+24 36.0	1.635	2.457	15.5	20.9
12 23	8 15.70	+24 49.1	1.563	2.462	11.6	20.6
1 2	8 6.35	+25 4.2	1.514	2.467	7.2	20.4
1 12	7 55.02	+25 16.3	1.492	2.471	2.6	20.1
1 22	7 43.05	+25 21.3	1.498	2.475	3.5	20.2
2 1	7 31.99	+25 17.0	1.533	2.479	8.1	20.5
2 11	7 23.16	+25 3.7	1.594	2.482	12.4	20.7
2 21	7 17.37	+24 43.3	1.677	2.485	16.1	21.0

291083 2005 YZ_{122} 1 16.4 336°.99 4°.3/15.5 18

12 13	8 20.75	+29 37.1	1.265	2.108	17.9	19.9
12 23	8 15.68	+29 55.2	1.193	2.102	13.7	19.6
1 2	8 6.81	+30 10.7	1.142	2.095	8.9	19.3
1 12	7 55.25	+30 15.9	1.114	2.090	4.7	19.0
1 22	7 42.73	+30 4.9	1.113	2.085	5.8	19.1
2 1	7 31.33	+29 35.9	1.136	2.080	10.5	19.3
2 11	7 22.80	+28 51.6	1.183	2.076	15.4	19.6
2 21	7 18.11	+27 57.1	1.249	2.073	19.6	19.9

334609 2002 TO_{370} 1 16.4 306°.30 6°.3/20.2 18

12 13	8 11.28	+ 0 2.5	2.283	3.032	13.9	20.8
12 23	8 6.89	− 0 4.5	2.196	3.030	11.6	20.6
1 2	8 0.67	+ 0 7.0	2.132	3.029	9.1	20.5
1 12	7 53.22	+ 0 37.9	2.092	3.027	7.0	20.3
1 22	7 45.28	+ 1 27.1	2.081	3.026	6.3	20.3
2 1	7 37.72	+ 2 31.3	2.098	3.024	7.6	20.4
2 11	7 31.36	+ 3 45.8	2.143	3.023	10.0	20.5
2 21	7 26.83	+ 5 5.0	2.212	3.022	12.6	20.7

203196 2001 CJ_{42} 1 16.4 223°.61 6°.1/12.6 17

12 13	8 24.41	+21 59.1	1.195	2.030	19.2	19.8
12 23	8 19.25	+25 23.3	1.120	2.027	14.5	19.5
1 2	8 9.69	+29 12.6	1.071	2.024	9.4	19.2
1 12	7 56.40	+33 6.6	1.049	2.020	6.1	19.0
1 22	7 41.00	+36 40.3	1.058	2.017	8.8	19.1
2 1	7 25.92	+39 34.0	1.095	2.012	13.9	19.4
2 11	7 13.70	+41 40.5	1.156	2.008	18.8	19.7
2 21	7 6.06	+43 4.4	1.235	2.003	22.8	20.0

458524 2011 CA_{99} 1 16.4 113°.99 3°.2/17.8 18

12 13	8 14.43	+11 21.3	2.036	2.833	13.8	22.0
12 23	8 9.40	+11 13.3	1.957	2.836	10.8	21.8
1 2	8 2.26	+11 16.9	1.901	2.839	7.3	21.6
1 12	7 53.72	+11 31.4	1.872	2.842	4.0	21.4
1 22	7 44.68	+11 54.6	1.872	2.845	3.6	21.4
2 1	7 36.16	+12 24.0	1.901	2.848	6.7	21.6
2 11	7 29.12	+12 56.3	1.957	2.851	10.2	21.8
2 21	7 24.22	+13 28.7	2.038	2.854	13.3	22.0

163706 2003 FF_{108} 1 16.4 215°.32 1°.5/17.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 18.37	+15 8.6	1.970	2.772	14.1	21.5
12 23	8 12.61	+15 26.6	1.878	2.764	10.8	21.3
1 2	8 4.40	+15 55.1	1.809	2.755	6.9	21.0
1 12	7 54.44	+16 31.7	1.768	2.746	2.8	20.7
1 22	7 43.73	+17 12.8	1.757	2.735	2.7	20.7
2 1	7 33.46	+17 54.5	1.776	2.724	6.9	20.9
2 11	7 24.77	+18 33.5	1.822	2.713	11.0	21.2
2 21	7 18.48	+19 7.6	1.893	2.700	14.5	21.4

26992 1997 WE_{47} 1 16.4 41°.56 2°.8/14.9 18

12 13	8 14.60	+25 52.8	2.058	2.882	12.7	18.5
12 23	8 9.74	+26 56.3	1.987	2.887	9.5	18.3
1 2	8 2.58	+28 2.7	1.941	2.892	6.0	18.1
1 12	7 53.84	+29 6.1	1.923	2.898	3.0	17.9
1 22	7 44.53	+30 1.0	1.934	2.904	4.1	18.0
2 1	7 35.77	+30 43.5	1.974	2.909	7.4	18.2
2 11	7 28.62	+31 11.9	2.041	2.915	10.8	18.5
2 21	7 23.80	+31 27.2	2.131	2.921	13.7	18.7

416553 2004 CE_{13} 1 16.4 246°.31 3°.4/18.8 18

12 13	8 12.00	+ 5 51.0	2.991	3.750	10.7	21.2
12 23	8 7.14	+ 6 9.8	2.880	3.731	8.6	21.0
1 2	8 0.73	+ 6 41.1	2.793	3.712	6.2	20.9
1 12	7 53.24	+ 7 24.5	2.736	3.693	4.1	20.7
1 22	7 45.26	+ 8 18.1	2.709	3.673	3.6	20.6
2 1	7 37.46	+ 9 19.3	2.714	3.653	5.4	20.7
2 11	7 30.53	+10 24.6	2.748	3.632	8.0	20.9
2 21	7 25.03	+11 30.6	2.810	3.611	10.4	21.0

340724 2006 SM_{131} 1 16.4 169°.35 4°.8/19.7 17

12 13	8 11.40	+ 1 2.9	3.203	3.937	10.6	22.5
12 23	8 6.44	+ 0 51.0	3.116	3.941	8.8	22.3
1 2	8 0.17	+ 0 51.6	3.052	3.945	6.8	22.2
1 12	7 53.03	+ 1 5.1	3.016	3.948	5.2	22.1
1 22	7 45.58	+ 1 30.8	3.010	3.951	4.8	22.1
2 1	7 38.42	+ 2 7.1	3.034	3.953	5.9	22.2
2 11	7 32.14	+ 2 51.1	3.087	3.955	7.7	22.3
2 21	7 27.18	+ 3 40.0	3.166	3.956	9.6	22.4

501419 2013 YJ_{131} 1 16.4 31°.57 3°.3/15.3 17

12 13	8 18.48	+31 36.7	2.257	3.071	12.1	21.1
12 23	8 12.34	+31 43.3	2.183	3.075	9.2	20.9
1 2	8 3.99	+31 45.4	2.134	3.079	6.0	20.8
1 12	7 54.24	+31 39.0	2.113	3.083	3.5	20.6
1 22	7 44.11	+31 21.8	2.122	3.088	4.2	20.7
2 1	7 34.72	+30 53.0	2.160	3.092	7.1	20.8
2 11	7 27.03	+30 14.2	2.226	3.097	10.1	21.0
2 21	7 21.67	+29 28.2	2.316	3.102	12.8	21.2

275747 2001 MT_9 1 16.4 192°.04 3°.5/14.2 18

12 13	8 16.05	+30 35.0	2.620	3.432	10.7	20.8
12 23	8 10.49	+31 32.9	2.540	3.431	8.1	20.7
1 2	8 2.91	+32 29.7	2.486	3.429	5.4	20.5
1 12	7 53.94	+33 20.5	2.461	3.427	3.6	20.4
1 22	7 44.42	+34 1.0	2.467	3.425	4.4	20.4
2 1	7 35.32	+34 28.4	2.502	3.422	6.9	20.6
2 11	7 27.56	+34 42.2	2.565	3.419	9.6	20.7
2 21	7 21.80	+34 43.7	2.652	3.416	12.0	20.9

390798 2004 FG_8 1 16.4 355°.90 3°.4/15.3 17

12 13	8 17.29	+25 7.4	1.130	1.983	18.9	21.1
12 23	8 13.33	+25 56.2	1.065	1.980	14.3	20.8
1 2	8 5.50	+26 51.2	1.020	1.978	8.9	20.5
1 12	7 54.89	+27 43.4	0.998	1.977	4.0	20.2
1 22	7 43.23	+28 24.1	1.001	1.976	5.4	20.3
2 1	7 32.62	+28 47.4	1.028	1.976	10.8	20.6
2 11	7 24.91	+28 52.4	1.077	1.977	16.0	20.9
2 21	7 21.14	+28 41.9	1.145	1.979	20.3	21.2

96720 1999 LP 1 16.4 288°.95 1°.3/17.2 18

12 13	8 17.49	+11 18.2	1.579	2.385	16.7	18.3
12 23	8 12.95	+12 43.0	1.466	2.355	13.0	18.0
1 2	8 5.24	+14 35.2	1.376	2.323	8.5	17.6
1 12	7 54.90	+16 50.9	1.313	2.292	3.2	17.2
1 22	7 42.97	+19 21.1	1.280	2.260	3.1	17.1
2 1	7 30.97	+21 53.6	1.277	2.227	8.8	17.4
2 11	7 20.61	+24 16.6	1.301	2.195	14.2	17.6
2 21	7 13.25	+26 22.7	1.349	2.162	19.0	17.8

63583 2001 QP_{31} 1 16.4 102°.32 4°.3/18.6 18

12 13	8 20.06	+ 7 13.2	1.735	2.516	16.5	19.3
12 23	8 13.66	+ 7 27.5	1.677	2.544	12.9	19.1
1 2	8 4.85	+ 7 59.9	1.641	2.570	9.0	18.9
1 12	7 54.52	+ 8 48.5	1.632	2.596	5.3	18.8
1 22	7 43.80	+ 9 49.1	1.651	2.621	4.6	18.8
2 1	7 33.93	+10 56.6	1.701	2.645	7.6	19.0
2 11	7 25.96	+12 5.1	1.777	2.669	11.1	19.3
2 21	7 20.53	+13 10.4	1.878	2.691	14.4	19.5

195572 2002 JY_{84} 1 16.4 167°.62 0°.9/16.9 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.86	+16 44.9	2.813	3.607	10.5	22.1
12 23	8 9.20	+16 52.4	2.729	3.612	7.9	21.9
1 2	8 1.93	+17 5.5	2.671	3.616	5.0	21.7
1 12	7 53.60	+17 22.4	2.642	3.620	1.9	21.5
1 22	7 44.91	+17 41.2	2.645	3.623	1.9	21.5
2 1	7 36.61	+18 0.0	2.679	3.626	5.0	21.8
2 11	7 29.43	+18 17.2	2.742	3.628	7.9	21.9
2 21	7 23.90	+18 31.8	2.832	3.630	10.5	22.1

221184 2005 UA_{29} 1 16.4 79°.71 3°.3/17.7 18

12 13	8 15.80	+11 55.6	1.863	2.664	14.8	20.4
12 23	8 10.52	+11 40.2	1.792	2.674	11.4	20.2
1 2	8 2.98	+11 36.5	1.744	2.684	7.7	20.0
1 12	7 53.96	+11 43.7	1.723	2.694	4.2	19.8
1 22	7 44.48	+12 0.1	1.730	2.704	3.8	19.8
2 1	7 35.65	+12 22.8	1.766	2.714	7.1	20.0
2 11	7 28.50	+12 48.8	1.829	2.724	10.7	20.3
2 21	7 23.68	+13 15.3	1.915	2.734	13.9	20.5

127618 2003 BN_{53} 1 16.4 19°.36 4°.2/18.1 18

12 13	8 15.69	+10 2.1	1.349	2.166	18.5	19.9
12 23	8 11.31	+10 5.7	1.278	2.167	14.5	19.6
1 2	8 3.89	+10 29.1	1.227	2.169	9.9	19.4
1 12	7 54.33	+11 11.0	1.199	2.171	5.4	19.1
1 22	7 43.96	+12 7.4	1.198	2.173	4.7	19.1
2 1	7 34.34	+13 12.1	1.223	2.175	8.9	19.3
2 11	7 26.91	+14 18.4	1.272	2.178	13.5	19.6
2 21	7 22.57	+15 20.8	1.342	2.180	17.6	19.9

150685 2001 OP_{62} 1 16.4 198°.60 2°.0/17.3 18

12 13	8 18.83	+13 38.5	1.852	2.653	14.9	20.9
12 23	8 13.04	+13 58.7	1.765	2.650	11.4	20.7
1 2	8 4.70	+14 31.7	1.702	2.646	7.4	20.4
1 12	7 54.56	+15 14.8	1.665	2.642	3.2	20.1
1 22	7 43.66	+16 4.1	1.658	2.636	3.0	20.1
2 1	7 33.28	+16 55.1	1.681	2.630	7.2	20.4
2 11	7 24.59	+17 43.7	1.731	2.624	11.3	20.6
2 21	7 18.42	+18 27.3	1.805	2.616	15.0	20.8

262209 2006 SK_{212} 1 16.4 143°.75 2°.4/15.5 18

12 13	8 20.93	+27 11.0	2.155	2.966	12.7	21.3
12 23	8 14.22	+27 37.6	2.084	2.977	9.5	21.1
1 2	8 5.18	+28 3.7	2.038	2.988	6.0	20.9
1 12	7 54.64	+28 24.8	2.021	2.997	2.8	20.7
1 22	7 43.65	+28 37.1	2.035	3.007	3.6	20.8
2 1	7 33.39	+28 38.9	2.078	3.015	7.0	21.0
2 11	7 24.88	+28 30.4	2.150	3.023	10.3	21.2
2 21	7 18.79	+28 13.4	2.245	3.031	13.2	21.4

378393 2007 RG_{31} 1 16.4 41°.18 3°.8/15.6 18

12 13	8 22.05	+32 6.7	1.769	2.590	14.6	19.7
12 23	8 15.25	+32 4.9	1.716	2.612	11.0	19.5
1 2	8 5.79	+31 56.9	1.687	2.633	7.2	19.4
1 12	7 54.78	+31 38.0	1.684	2.656	4.1	19.2
1 22	7 43.58	+31 6.1	1.711	2.679	4.8	19.3
2 1	7 33.56	+30 21.8	1.766	2.702	8.1	19.6
2 11	7 25.82	+29 28.1	1.847	2.726	11.5	19.8
2 21	7 20.93	+28 28.9	1.952	2.750	14.5	20.1

403525 2010 DF_{45} 1 16.4 237°.67 1°.3/15.9 17

12 13	8 21.52	+23 41.8	1.836	2.651	14.4	21.8
12 23	8 15.29	+23 57.1	1.742	2.638	10.9	21.6
1 2	8 6.21	+24 15.6	1.671	2.623	6.7	21.3
1 12	7 55.07	+24 32.7	1.628	2.608	2.4	21.0
1 22	7 43.04	+24 44.2	1.615	2.592	3.2	21.0
2 1	7 31.56	+24 47.4	1.631	2.576	7.8	21.3
2 11	7 21.96	+24 41.6	1.674	2.559	12.1	21.5
2 21	7 15.18	+24 28.3	1.740	2.541	15.8	21.7

290012 2005 QE_{9} 1 16.4 149°.12 1°.5/17.3 18

12 13	8 16.45	+14 23.4	2.561	3.350	11.5	21.8
12 23	8 10.48	+14 41.1	2.483	3.362	8.8	21.6
1 2	8 2.75	+15 6.8	2.431	3.373	5.6	21.4
1 12	7 53.87	+15 38.6	2.408	3.384	2.4	21.2
1 22	7 44.61	+16 13.7	2.416	3.394	2.2	21.2
2 1	7 35.81	+16 49.5	2.456	3.403	5.4	21.5
2 11	7 28.27	+17 23.6	2.525	3.411	8.5	21.7
2 21	7 22.53	+17 54.4	2.620	3.419	11.2	21.9

13777 Cielobuio 1 16.4 55°.13 0°.3/16.6 18

12 13	8 15.05	+19 18.4	1.967	2.784	13.5	18.7
12 23	8 9.95	+19 29.7	1.896	2.792	10.1	18.5
1 2	8 2.64	+19 47.2	1.848	2.800	6.2	18.3
1 12	7 53.86	+20 7.9	1.828	2.808	2.0	18.0
1 22	7 44.63	+20 28.7	1.837	2.816	2.4	18.0
2 1	7 36.03	+20 46.9	1.875	2.825	6.5	18.3
2 11	7 29.05	+21 0.8	1.940	2.833	10.3	18.6
2 21	7 24.37	+21 9.7	2.028	2.842	13.4	18.8

233001 2005 EF_{184} 1 16.4 123°.92 0°.0/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.62	+20 3.0	2.455	3.263	11.4	20.7
12 23	8 9.25	+20 18.8	2.380	3.272	8.5	20.5
1 2	8 2.04	+20 39.0	2.330	3.280	5.2	20.3
1 12	7 53.66	+21 1.1	2.308	3.289	1.6	20.1
1 22	7 44.89	+21 22.4	2.318	3.297	2.0	20.2
2 1	7 36.61	+21 40.6	2.357	3.305	5.6	20.4
2 11	7 29.66	+21 54.5	2.426	3.312	8.8	20.6
2 21	7 24.58	+22 3.5	2.518	3.320	11.5	20.8

429831 2012 PB_{15} 1 16.4 97°.26 1°.0/17.0 18

12 13	8 14.45	+16 22.0	2.684	3.480	10.9	21.9
12 23	8 8.84	+16 31.4	2.620	3.504	8.2	21.8
1 2	8 1.66	+16 46.7	2.582	3.527	5.1	21.6
1 12	7 53.51	+17 6.2	2.573	3.551	2.0	21.4
1 22	7 45.11	+17 27.5	2.595	3.573	2.0	21.5
2 1	7 37.22	+17 48.8	2.648	3.596	5.0	21.7
2 11	7 30.54	+18 8.4	2.730	3.617	7.9	21.9
2 21	7 25.55	+18 25.2	2.838	3.639	10.3	22.1

30564 Olomouc 1 16.4 19°.47 2°.3/17.3 18

12 13	8 13.91	+14 22.7	1.403	2.231	17.3	18.3
12 23	8 9.83	+14 30.4	1.337	2.236	13.2	18.0
1 2	8 2.89	+14 52.3	1.292	2.242	8.5	17.8
1 12	7 54.00	+15 26.0	1.271	2.248	3.7	17.5
1 22	7 44.45	+16 7.1	1.277	2.256	3.4	17.5
2 1	7 35.72	+16 50.5	1.309	2.264	8.1	17.8
2 11	7 29.10	+17 31.9	1.366	2.272	12.7	18.1
2 21	7 25.40	+18 8.1	1.444	2.282	16.6	18.4

29019 6095 $P–L$ 1 16.4 158°.83 1°.7/17.4 18

12 13	8 12.52	+13 54.0	2.808	3.599	10.6	19.7
12 23	8 7.48	+13 58.1	2.725	3.604	8.1	19.5
1 2	8 0.89	+14 9.5	2.666	3.608	5.3	19.3
1 12	7 53.30	+14 26.9	2.637	3.611	2.5	19.2
1 22	7 45.35	+14 48.6	2.638	3.615	2.3	19.2
2 1	7 37.77	+15 12.5	2.671	3.618	5.0	19.3
2 11	7 31.25	+15 36.7	2.732	3.621	7.8	19.5
2 21	7 26.30	+15 59.7	2.819	3.624	10.3	19.7

311003 2003 XL_{41} 1 16.4 96°.26 0°.2/16.5 18

12 13	8 19.94	+18 33.1	1.802	2.614	14.8	20.8
12 23	8 13.61	+19 0.6	1.745	2.638	11.0	20.6
1 2	8 4.84	+19 35.7	1.711	2.662	6.7	20.4
1 12	7 54.54	+20 14.1	1.705	2.685	2.1	20.2
1 22	7 43.86	+20 51.6	1.729	2.708	2.5	20.2
2 1	7 34.03	+21 24.4	1.782	2.730	6.9	20.6
2 11	7 26.13	+21 50.5	1.862	2.752	10.8	20.8
2 21	7 20.81	+22 9.5	1.966	2.773	14.0	21.1

414949 2011 BK_{84} 1 16.4 344°.37 3°.1/15.2 18

12 13	8 14.59	+26 11.4	1.536	2.376	15.5	20.6
12 23	8 10.50	+26 55.6	1.459	2.368	11.7	20.3
1 2	8 3.42	+27 43.2	1.406	2.361	7.4	20.0
1 12	7 54.21	+28 27.6	1.377	2.354	3.6	19.8
1 22	7 44.16	+29 2.4	1.376	2.349	4.7	19.9
2 1	7 34.82	+29 23.3	1.401	2.344	9.0	20.1
2 11	7 27.60	+29 29.2	1.450	2.340	13.3	20.3
2 21	7 23.43	+29 21.8	1.520	2.337	17.0	20.6

455379 2002 UO_{43} 1 16.4 40°.86 2°.4/17.3 16

12 13	8 15.90	+14 30.2	1.563	2.381	16.3	21.6
12 23	8 11.04	+14 25.5	1.494	2.388	12.5	21.4
1 2	8 3.50	+14 32.7	1.447	2.395	8.1	21.2
1 12	7 54.18	+14 50.0	1.426	2.402	3.6	20.9
1 22	7 44.27	+15 14.4	1.432	2.409	3.4	20.9
2 1	7 35.13	+15 42.2	1.465	2.417	7.7	21.2
2 11	7 27.97	+16 10.1	1.524	2.425	12.0	21.5
2 21	7 23.55	+16 35.5	1.605	2.434	15.7	21.7

357593 2004 XM_{20} 1 16.4 10°.81 1°.8/15.9 18

12 13	8 13.57	+22 14.4	1.072	1.931	19.3	20.0
12 23	8 10.43	+22 49.2	1.015	1.934	14.4	19.7
1 2	8 3.63	+23 32.7	0.978	1.938	8.8	19.4
1 12	7 54.31	+24 18.0	0.962	1.943	3.0	19.1
1 22	7 44.14	+24 57.4	0.971	1.950	4.2	19.2
2 1	7 35.10	+25 25.2	1.004	1.958	10.0	19.5
2 11	7 28.87	+25 39.3	1.059	1.968	15.3	19.8
2 21	7 26.33	+25 40.6	1.132	1.979	19.6	20.1

154853 2004 RF_{61} 1 16.4 202°.83 4°.0/14.8 18

12 13	8 20.44	+32 28.5	2.304	3.114	12.0	20.6
12 23	8 13.97	+32 59.8	2.222	3.111	9.2	20.4
1 2	8 5.13	+33 27.3	2.165	3.107	6.2	20.2
1 12	7 54.68	+33 45.7	2.137	3.103	4.1	20.1
1 22	7 43.68	+33 51.2	2.138	3.098	4.8	20.1
2 1	7 33.30	+33 42.1	2.169	3.093	7.6	20.3
2 11	7 24.62	+33 19.4	2.228	3.087	10.6	20.5
2 21	7 18.35	+32 46.0	2.310	3.081	13.3	20.6

53798 2000 ER_{112} 1 16.4 187°.21 3°.7/17.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 18.76	+10 44.7	1.803	2.597	15.5	19.0
12 23	8 12.96	+10 33.8	1.720	2.597	12.1	18.8
1 2	8 4.63	+10 36.3	1.659	2.596	8.3	18.5
1 12	7 54.56	+10 51.6	1.626	2.595	4.7	18.3
1 22	7 43.81	+11 17.6	1.620	2.593	4.2	18.3
2 1	7 33.64	+11 51.1	1.644	2.590	7.6	18.5
2 11	7 25.20	+12 28.2	1.695	2.587	11.5	18.7
2 21	7 19.29	+13 5.8	1.769	2.583	15.1	18.9

131375 2001 KL_{30} 1 16.4 112°.37 3°.0/18.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.43	+10 3.4	2.652	3.429	11.5	20.1
12 23	8 8.84	+ 9 52.4	2.582	3.449	9.0	20.0
1 2	8 1.69	+ 9 50.9	2.537	3.467	6.2	19.8
1 12	7 53.55	+ 9 58.4	2.521	3.486	3.7	19.7
1 22	7 45.13	+10 13.3	2.535	3.504	3.3	19.7
2 1	7 37.20	+10 33.9	2.579	3.521	5.5	19.8
2 11	7 30.45	+10 58.0	2.653	3.538	8.2	20.0
2 21	7 25.35	+11 23.2	2.752	3.554	10.6	20.2

226063 2002 GJ_{171} 1 16.5 271°.59 4°.7/18.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.63	+ 7 17.4	2.070	2.853	14.1	21.0
12 23	8 8.92	+ 6 58.1	1.976	2.842	11.3	20.7
1 2	8 2.09	+ 6 52.8	1.905	2.830	8.2	20.5
1 12	7 53.76	+ 7 2.1	1.860	2.819	5.4	20.3
1 22	7 44.79	+ 7 24.9	1.843	2.807	5.0	20.3
2 1	7 36.20	+ 7 58.9	1.855	2.796	7.4	20.4
2 11	7 28.98	+ 8 40.4	1.894	2.784	10.6	20.6
2 21	7 23.83	+ 9 25.6	1.957	2.772	13.8	20.8

51410 2001 EJ_{7} 1 16.5 176°.86 1°.2/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.79	+15 39.2	1.712	2.520	15.5	20.4
12 23	8 13.92	+16 7.1	1.632	2.523	11.8	20.2
1 2	8 5.31	+16 47.0	1.576	2.524	7.5	19.9
1 12	7 54.80	+17 35.2	1.547	2.526	2.8	19.6
1 22	7 43.53	+18 26.9	1.547	2.526	2.8	19.7
2 1	7 32.90	+19 17.1	1.576	2.526	7.5	19.9
2 11	7 24.17	+20 2.0	1.632	2.525	11.9	20.2
2 21	7 18.19	+20 39.6	1.710	2.523	15.6	20.4

359049 2008 XR_{47} 1 16.5 318°.03 1°.3/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.76	+18 39.9	1.472	2.298	16.7	21.0
12 23	8 13.51	+18 22.6	1.394	2.294	12.7	20.8
1 2	8 5.21	+18 12.4	1.337	2.290	8.0	20.5
1 12	7 54.78	+18 7.0	1.306	2.286	2.9	20.2
1 22	7 43.56	+18 4.1	1.302	2.282	3.1	20.2
2 1	7 33.13	+18 1.6	1.326	2.278	8.3	20.5
2 11	7 24.90	+17 58.0	1.374	2.275	13.1	20.7
2 21	7 19.76	+17 52.8	1.444	2.272	17.2	21.0

466132 2012 FP_{37} 1 16.5 80°.87 1°.2/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.62	+21 32.5	1.808	2.631	14.3	21.5
12 23	8 11.39	+22 18.1	1.741	2.641	10.6	21.3
1 2	8 3.65	+23 10.0	1.697	2.651	6.5	21.1
1 12	7 54.24	+24 3.0	1.681	2.661	2.2	20.8
1 22	7 44.27	+24 51.5	1.694	2.672	3.1	20.9
2 1	7 34.99	+25 31.6	1.736	2.682	7.3	21.2
2 11	7 27.54	+26 1.0	1.804	2.692	11.2	21.4
2 21	7 22.65	+26 19.8	1.895	2.702	14.5	21.7

427795 2005 FL 1 16.5 5°.94 17°.0/26.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.52	−15 40.6	1.047	1.777	28.0	20.5
12 23	8 11.20	−16 10.7	0.981	1.777	25.3	20.3
1 2	8 4.24	−15 47.9	0.927	1.777	22.3	20.1
1 12	7 54.58	−14 21.2	0.888	1.777	19.3	19.9
1 22	7 43.76	−11 48.1	0.868	1.778	17.3	19.8
2 1	7 33.73	− 8 17.2	0.868	1.779	17.4	19.8
2 11	7 26.33	− 4 9.6	0.891	1.781	19.4	19.9
2 21	7 22.68	+ 0 9.0	0.934	1.783	22.6	20.1

395763 2012 VP_{41} 1 16.5 324°.40 4°.4/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.96	+27 17.6	1.244	2.090	18.0	21.2
12 23	8 14.50	+28 16.0	1.173	2.084	13.7	20.9
1 2	8 6.25	+29 18.4	1.123	2.078	8.8	20.6
1 12	7 55.20	+30 15.2	1.097	2.072	4.8	20.4
1 22	7 43.02	+30 57.3	1.096	2.067	6.1	20.5
2 1	7 31.76	+31 18.8	1.120	2.062	11.0	20.7
2 11	7 23.28	+31 19.7	1.167	2.057	15.8	21.0
2 21	7 18.66	+31 3.4	1.233	2.053	20.0	21.2

210495 1998 FK_{53} 1 16.5 319°.92 3°.8/17.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.84	+12 18.9	1.353	2.179	18.0	20.3
12 23	8 10.16	+12 5.2	1.267	2.163	14.1	20.0
1 2	8 3.39	+12 7.2	1.200	2.147	9.5	19.7
1 12	7 54.29	+12 24.8	1.158	2.131	5.0	19.4
1 22	7 44.13	+12 55.7	1.140	2.116	4.6	19.3
2 1	7 34.51	+13 35.6	1.149	2.102	9.1	19.5
2 11	7 26.97	+14 19.3	1.181	2.089	14.1	19.8
2 21	7 22.58	+15 2.3	1.233	2.076	18.6	20.0

300274 2007 JB_{40} 1 16.5 141°.17 3°.3/17.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 19.18	+10 32.1	2.014	2.799	14.4	22.0
12 23	8 12.89	+10 30.7	1.941	2.813	11.2	21.8
1 2	8 4.39	+10 41.9	1.892	2.827	7.6	21.6
1 12	7 54.45	+11 4.4	1.870	2.839	4.2	21.4
1 22	7 44.06	+11 35.7	1.878	2.851	3.7	21.4
2 1	7 34.29	+12 12.7	1.916	2.861	6.8	21.6
2 11	7 26.15	+12 51.9	1.983	2.871	10.3	21.8
2 21	7 20.29	+13 30.3	2.073	2.880	13.4	22.1

13813 1998 YX 1 16.5 43°.93 1°.7/15.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.28	+22 23.0	1.992	2.814	13.1	16.9
12 23	8 9.53	+23 22.3	1.920	2.821	9.8	16.7
1 2	8 2.49	+24 27.5	1.873	2.827	6.0	16.5
1 12	7 53.90	+25 33.2	1.854	2.834	2.3	16.3
1 22	7 44.72	+26 33.7	1.865	2.841	3.2	16.3
2 1	7 36.11	+27 24.7	1.905	2.848	7.0	16.6
2 11	7 29.09	+28 3.7	1.972	2.855	10.6	16.8
2 21	7 24.40	+28 30.7	2.062	2.862	13.7	17.0

94881 2001 XS_{243} 1 16.5 289°.30 0°.7/16.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.38	+20 15.8	1.889	2.704	14.0	19.0
12 23	8 12.64	+19 53.7	1.803	2.697	10.6	18.8
1 2	8 4.42	+19 35.1	1.740	2.691	6.6	18.6
1 12	7 54.51	+19 18.1	1.704	2.684	2.2	18.3
1 22	7 43.98	+19 1.2	1.698	2.678	2.6	18.3
2 1	7 34.08	+18 43.4	1.721	2.671	7.0	18.5
2 11	7 25.93	+18 24.5	1.771	2.665	11.1	18.8
2 21	7 20.30	+18 4.7	1.845	2.658	14.6	19.0

152724 1998 UW_{38} 1 16.5 91°.02 0°.4/16.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 22.09	+18 16.2	1.495	2.314	16.9	19.8
12 23	8 15.61	+18 39.2	1.442	2.338	12.6	19.6
1 2	8 6.24	+19 11.4	1.410	2.362	7.8	19.4
1 12	7 55.04	+19 48.0	1.405	2.386	2.5	19.1
1 22	7 43.42	+20 23.9	1.429	2.409	2.9	19.2
2 1	7 32.87	+20 55.1	1.481	2.431	7.9	19.5
2 11	7 24.67	+21 19.4	1.558	2.453	12.2	19.8
2 21	7 19.49	+21 36.2	1.658	2.474	15.9	20.1

169295 2001 SP_{324} 1 16.5 202°.51 2°.9/17.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.53	+11 46.2	2.443	3.232	12.0	20.2
12 23	8 8.47	+11 30.2	2.356	3.231	9.3	20.0
1 2	8 1.63	+11 23.0	2.293	3.229	6.3	19.8
1 12	7 53.60	+11 24.4	2.259	3.228	3.6	19.7
1 22	7 45.13	+11 33.1	2.254	3.226	3.3	19.6
2 1	7 37.08	+11 47.4	2.280	3.224	5.9	19.8
2 11	7 30.24	+12 5.2	2.333	3.223	8.9	20.0
2 21	7 25.18	+12 24.5	2.411	3.221	11.7	20.2

323495 2004 PH_{100} 1 16.5 162°.17 2°.4/17.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.73	+10 58.1	2.501	3.284	12.0	21.7
12 23	8 9.31	+11 14.4	2.418	3.290	9.3	21.5
1 2	8 2.12	+11 41.5	2.359	3.295	6.2	21.3
1 12	7 53.75	+12 17.8	2.330	3.300	3.3	21.2
1 22	7 44.95	+13 0.8	2.330	3.305	2.9	21.1
2 1	7 36.56	+13 47.4	2.362	3.308	5.6	21.3
2 11	7 29.37	+14 34.6	2.423	3.312	8.7	21.5
2 21	7 23.96	+15 19.6	2.509	3.314	11.4	21.7

154857 2004 RG_{68} 1 16.5 96°.43 2°.4/15.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.85	+26 32.5	2.109	2.925	12.7	20.1
12 23	8 12.67	+27 7.9	2.049	2.945	9.5	19.9
1 2	8 4.25	+27 43.7	2.014	2.964	5.9	19.7
1 12	7 54.42	+28 14.9	2.007	2.984	2.8	19.6
1 22	7 44.21	+28 37.7	2.031	3.002	3.6	19.7
2 1	7 34.76	+28 49.9	2.084	3.021	6.9	19.9
2 11	7 27.05	+28 51.4	2.164	3.039	10.2	20.1
2 21	7 21.69	+28 43.7	2.268	3.057	13.0	20.4

412347 2013 LR_{8} 1 16.5 150°.79 3°.6/18.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.26	+ 7 26.0	2.291	3.065	13.2	21.6
12 23	8 9.83	+ 7 40.5	2.211	3.073	10.4	21.4
1 2	8 2.50	+ 8 9.3	2.154	3.081	7.3	21.2
1 12	7 53.89	+ 8 51.3	2.126	3.089	4.5	21.1
1 22	7 44.83	+ 9 43.7	2.127	3.095	3.9	21.1
2 1	7 36.23	+10 42.8	2.159	3.102	6.3	21.2
2 11	7 28.94	+11 44.5	2.219	3.108	9.4	21.4
2 21	7 23.57	+12 45.1	2.305	3.113	12.2	21.6

117089 2004 LK_{31} 1 16.5 226°.58 4°.9/19.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.34	+ 4 4.8	2.469	3.226	12.8	20.9
12 23	8 9.16	+ 3 56.5	2.368	3.214	10.4	20.7
1 2	8 2.13	+ 4 2.7	2.291	3.202	7.8	20.5
1 12	7 53.80	+ 4 23.9	2.240	3.189	5.6	20.3
1 22	7 44.91	+ 4 59.0	2.220	3.176	5.0	20.3
2 1	7 36.30	+ 5 45.8	2.229	3.161	6.8	20.4
2 11	7 28.81	+ 6 40.4	2.266	3.147	9.6	20.5
2 21	7 23.09	+ 7 38.8	2.329	3.131	12.3	20.6

290589 2005 UU_{157} 1 16.5 93°.27 3°.0/17.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.19	+11 53.9	1.892	2.693	14.6	20.9
12 23	8 10.14	+11 51.5	1.816	2.699	11.3	20.6
1 2	8 2.83	+12 1.4	1.764	2.704	7.5	20.4
1 12	7 54.02	+12 22.4	1.738	2.710	4.0	20.2
1 22	7 44.68	+12 51.9	1.740	2.715	3.6	20.2
2 1	7 35.93	+13 26.8	1.772	2.721	6.9	20.4
2 11	7 28.79	+14 3.5	1.830	2.726	10.6	20.7
2 21	7 23.95	+14 39.0	1.912	2.731	13.9	20.9

169187 2001 RZ_{9} 1 16.5 42°.20 10°.0/19.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.43	− 5 57.2	2.171	2.882	15.6	19.6
12 23	8 10.02	− 7 38.3	2.101	2.890	13.7	19.5
1 2	8 2.64	− 9 0.4	2.052	2.899	11.8	19.4
1 12	7 53.94	− 9 58.8	2.028	2.907	10.4	19.3
1 22	7 44.79	−10 30.9	2.030	2.916	10.1	19.3
2 1	7 36.13	−10 36.8	2.057	2.925	10.9	19.4
2 11	7 28.85	−10 19.8	2.108	2.935	12.5	19.5
2 21	7 23.57	− 9 45.4	2.181	2.944	14.3	19.6

492459 2014 MR_{63} 1 16.5 191°.62 0°.3/16.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.55	+17 55.1	1.989	2.796	13.7	22.9
12 23	8 12.73	+18 26.3	1.904	2.795	10.4	22.7
1 2	8 4.50	+19 6.2	1.843	2.793	6.4	22.4
1 12	7 54.57	+19 51.2	1.810	2.790	2.1	22.2
1 22	7 43.97	+20 36.8	1.807	2.787	2.4	22.2
2 1	7 33.87	+21 18.9	1.835	2.783	6.8	22.4
2 11	7 25.40	+21 54.9	1.890	2.778	10.8	22.7
2 21	7 19.33	+22 23.5	1.969	2.773	14.1	22.9

423203 2004 QC_{28} 1 16.5 120°.88 1°.7/17.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.16	+15 7.6	2.152	2.952	13.1	22.2
12 23	8 10.58	+15 7.6	2.078	2.963	9.9	22.0
1 2	8 2.97	+15 15.9	2.028	2.973	6.4	21.8
1 12	7 54.04	+15 30.8	2.007	2.983	2.8	21.6
1 22	7 44.70	+15 49.9	2.015	2.993	2.6	21.6
2 1	7 35.93	+16 10.9	2.054	3.002	6.1	21.8
2 11	7 28.64	+16 31.4	2.120	3.011	9.6	22.1
2 21	7 23.45	+16 49.9	2.210	3.020	12.6	22.3

153202 2000 WJ_{109} 1 16.5 109°.02 2°.9/15.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.64	+27 52.0	2.089	2.907	12.8	20.2
12 23	8 12.65	+28 30.2	2.023	2.919	9.6	20.0
1 2	8 4.33	+29 8.0	1.982	2.931	6.1	19.8
1 12	7 54.49	+29 40.3	1.969	2.943	3.2	19.6
1 22	7 44.20	+30 3.0	1.986	2.955	4.0	19.7
2 1	7 34.63	+30 13.6	2.032	2.967	7.3	19.9
2 11	7 26.80	+30 12.2	2.105	2.978	10.5	20.2
2 21	7 21.39	+30 0.7	2.201	2.989	13.4	20.4

111232 2001 WS_{62} 1 16.5 144°.08 4°.6/14.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.48	+32 46.2	2.255	3.066	12.2	21.0
12 23	8 14.06	+33 47.2	2.188	3.076	9.3	20.9
1 2	8 5.23	+34 44.9	2.146	3.085	6.5	20.7
1 12	7 54.79	+35 32.9	2.133	3.094	4.6	20.6
1 22	7 43.81	+36 6.2	2.150	3.103	5.5	20.7
2 1	7 33.49	+36 22.4	2.196	3.111	8.0	20.8
2 11	7 24.91	+36 22.0	2.269	3.118	10.8	21.0
2 21	7 18.80	+36 8.0	2.364	3.125	13.4	21.2

257546 1998 RH_{21} 1 16.5 97°.43 2°.6/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.89	+26 49.0	1.745	2.568	14.7	20.8
12 23	8 14.66	+27 15.0	1.681	2.580	11.0	20.6
1 2	8 5.69	+27 41.2	1.641	2.592	6.9	20.4
1 12	7 54.94	+28 2.0	1.628	2.605	3.1	20.2
1 22	7 43.70	+28 13.2	1.643	2.617	4.0	20.2
2 1	7 33.37	+28 12.5	1.687	2.628	8.0	20.5
2 11	7 25.16	+28 0.6	1.758	2.640	11.8	20.7
2 21	7 19.80	+27 39.8	1.851	2.651	15.1	21.0

107487 2001 DN_{37} 1 16.5 36°.35 1°.4/16.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.08	+22 51.8	1.281	2.123	17.8	19.1
12 23	8 13.23	+23 12.9	1.226	2.135	13.3	18.9
1 2	8 5.09	+23 39.5	1.191	2.148	8.1	18.6
1 12	7 54.80	+24 5.7	1.180	2.161	2.7	18.3
1 22	7 43.91	+24 26.1	1.196	2.175	3.7	18.4
2 1	7 34.16	+24 37.1	1.238	2.189	8.9	18.8
2 11	7 26.98	+24 38.2	1.304	2.204	13.7	19.1
2 21	7 23.14	+24 30.4	1.390	2.220	17.6	19.4

522474 2016 DD_{34} 1 16.5 265°.93 0°.6/16.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.77	+16 17.5	1.977	2.788	13.7	21.8
12 23	8 10.03	+16 57.3	1.885	2.777	10.4	21.6
1 2	8 2.94	+17 48.3	1.816	2.766	6.5	21.3
1 12	7 54.15	+18 47.2	1.775	2.755	2.2	21.0
1 22	7 44.60	+19 49.3	1.764	2.743	2.4	21.0
2 1	7 35.44	+20 49.5	1.782	2.732	6.8	21.2
2 11	7 27.76	+21 43.9	1.827	2.720	10.8	21.5
2 21	7 22.38	+22 30.2	1.897	2.709	14.3	21.7

381288 2007 TR_{423} 1 16.5 27°.37 7°.1/12.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 18.91	+40 14.2	2.168	2.978	12.7	20.6
12 23	8 13.27	+41 25.4	2.104	2.980	10.3	20.4
1 2	8 4.94	+42 28.1	2.064	2.983	8.1	20.3
1 12	7 54.76	+43 14.8	2.051	2.986	7.1	20.3
1 22	7 43.93	+43 40.3	2.066	2.989	7.9	20.3
2 1	7 33.84	+43 42.4	2.107	2.992	9.9	20.4
2 11	7 25.72	+43 23.1	2.172	2.995	12.3	20.6
2 21	7 20.34	+42 46.7	2.259	2.999	14.5	20.8

75812 2000 BF 1 16.5 218°.10 1°.1/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 21.39	+24 34.0	2.004	2.816	13.5	19.2
12 23	8 14.86	+24 30.1	1.916	2.810	10.1	19.0
1 2	8 5.80	+24 26.7	1.852	2.804	6.3	18.8
1 12	7 55.02	+24 20.4	1.817	2.797	2.2	18.5
1 22	7 43.62	+24 8.6	1.812	2.790	2.8	18.5
2 1	7 32.86	+23 50.2	1.837	2.782	7.0	18.8
2 11	7 23.90	+23 25.5	1.890	2.774	10.9	19.0
2 21	7 17.50	+22 56.1	1.966	2.766	14.3	19.2

422256 2014 SD_{134} 1 16.5 154°.09 0°.8/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.03	+21 7.5	2.083	2.894	13.0	21.7
12 23	8 12.20	+21 41.6	2.007	2.901	9.7	21.5
1 2	8 4.11	+22 21.0	1.955	2.907	5.9	21.2
1 12	7 54.47	+23 1.7	1.932	2.913	1.9	21.0
1 22	7 44.30	+23 39.4	1.940	2.918	2.6	21.0
2 1	7 34.71	+24 10.7	1.977	2.922	6.6	21.3
2 11	7 26.72	+24 34.0	2.042	2.927	10.3	21.5
2 21	7 21.05	+24 49.0	2.131	2.930	13.4	21.8

227004 2004 XA_{97} 1 16.5 85°.63 2°.6/15.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.33	+25 59.6	2.070	2.890	12.8	20.0
12 23	8 11.02	+26 53.9	2.002	2.901	9.5	19.8
1 2	8 3.40	+27 50.4	1.960	2.911	6.0	19.7
1 12	7 54.25	+28 43.4	1.945	2.921	2.9	19.5
1 22	7 44.58	+29 27.9	1.961	2.931	3.9	19.6
2 1	7 35.54	+30 0.5	2.005	2.942	7.2	19.8
2 11	7 28.14	+30 20.1	2.077	2.952	10.6	20.0
2 21	7 23.10	+30 27.9	2.171	2.962	13.5	20.2

103682 2000 CY_{62} 1 16.5 259°.38 4°.1/15.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 22.95	+31 52.0	1.872	2.689	14.1	19.4
12 23	8 16.42	+32 8.5	1.784	2.677	10.8	19.2
1 2	8 6.95	+32 20.4	1.720	2.665	7.3	18.9
1 12	7 55.42	+32 21.8	1.683	2.653	4.4	18.7
1 22	7 43.14	+32 8.3	1.675	2.640	5.2	18.8
2 1	7 31.60	+31 38.5	1.696	2.628	8.7	18.9
2 11	7 22.17	+30 54.6	1.743	2.615	12.4	19.1
2 21	7 15.72	+30 0.7	1.812	2.602	15.7	19.3

416991 2005 TG_{144} 1 16.5 15°.05 1°.3/17.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.23	+16 4.6	1.588	2.412	15.8	21.3
12 23	8 9.91	+16 21.5	1.516	2.414	12.0	21.0
1 2	8 2.93	+16 50.0	1.466	2.417	7.6	20.8
1 12	7 54.15	+17 27.1	1.442	2.421	2.9	20.5
1 22	7 44.71	+18 8.4	1.445	2.424	2.8	20.5
2 1	7 35.96	+18 49.4	1.476	2.429	7.5	20.8
2 11	7 29.11	+19 26.4	1.532	2.434	11.9	21.1
2 21	7 24.95	+19 57.2	1.610	2.439	15.6	21.3

181253 2005 UD_{283} 1 16.5 190°.18 1°.6/17.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.03	+14 47.5	2.364	3.159	12.2	21.7
12 23	8 10.47	+14 58.5	2.275	3.158	9.3	21.5
1 2	8 2.95	+15 17.9	2.212	3.156	6.0	21.3
1 12	7 54.11	+15 43.9	2.177	3.154	2.6	21.1
1 22	7 44.75	+16 13.9	2.173	3.151	2.4	21.0
2 1	7 35.81	+16 45.3	2.199	3.148	5.8	21.3
2 11	7 28.18	+17 15.5	2.254	3.144	9.2	21.5
2 21	7 22.48	+17 42.9	2.334	3.139	12.2	21.7

9729 1981 RQ 1 16.5 85°.69 5°.2/15.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 25.73	+34 30.1	1.757	2.572	14.9	17.4
12 23	8 18.26	+34 56.8	1.702	2.592	11.5	17.2
1 2	8 7.84	+35 15.8	1.671	2.611	7.9	17.1
1 12	7 55.61	+35 20.4	1.667	2.631	5.4	17.0
1 22	7 43.06	+35 6.7	1.692	2.650	6.1	17.0
2 1	7 31.73	+34 34.6	1.744	2.669	9.1	17.2
2 11	7 22.89	+33 47.7	1.823	2.687	12.4	17.5
2 21	7 17.18	+32 51.0	1.924	2.705	15.3	17.7

201524 2003 QX_{11} 1 16.5 89°.40 1°.8/17.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.15	+13 58.5	1.634	2.445	16.1	20.0
12 23	8 12.59	+14 27.1	1.573	2.463	12.2	19.8
1 2	8 4.44	+15 9.1	1.534	2.481	7.8	19.6
1 12	7 54.59	+16 0.9	1.521	2.498	3.2	19.3
1 22	7 44.24	+16 57.3	1.537	2.516	2.9	19.3
2 1	7 34.69	+17 53.2	1.582	2.533	7.3	19.6
2 11	7 27.11	+18 44.3	1.653	2.550	11.5	19.9
2 21	7 22.22	+19 28.2	1.747	2.567	15.0	20.2

28595 2000 EP_{136} 1 16.5 163°.96 0°.9/17.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.54	+15 25.4	2.431	3.231	11.8	18.8
12 23	8 8.58	+15 58.5	2.347	3.233	8.9	18.6
1 2	8 1.79	+16 40.5	2.289	3.236	5.6	18.4
1 12	7 53.75	+17 28.7	2.259	3.238	2.1	18.2
1 22	7 45.23	+18 19.7	2.260	3.239	2.1	18.2
2 1	7 37.11	+19 10.0	2.292	3.241	5.6	18.4
2 11	7 30.21	+19 56.6	2.352	3.242	8.8	18.6
2 21	7 25.15	+20 37.6	2.438	3.243	11.7	18.8

409576 2005 UT_{197} 1 16.5 356°.24 7°.0/14.0 18

12 13	8 14.06	+33 9.2	1.240	2.093	17.5	20.3
12 23	8 10.94	+34 15.1	1.176	2.087	13.6	20.0
1 2	8 4.11	+35 17.5	1.133	2.081	9.7	19.8
1 12	7 54.62	+36 5.7	1.113	2.078	7.1	19.6
1 22	7 44.17	+36 31.2	1.117	2.076	8.3	19.7
2 1	7 34.76	+36 29.8	1.145	2.076	12.0	19.9
2 11	7 28.14	+36 3.6	1.194	2.077	16.1	20.1
2 21	7 25.27	+35 18.2	1.262	2.080	19.8	20.4

258178 2001 SS_{159} 1 16.5 54°.06 1°.1/16.9 18

12 13	8 18.23	+17 34.3	1.528	2.350	16.4	20.9
12 23	8 12.68	+17 37.7	1.476	2.374	12.3	20.7
1 2	8 4.46	+17 50.2	1.446	2.397	7.6	20.4
1 12	7 54.59	+18 8.6	1.442	2.421	2.7	20.2
1 22	7 44.35	+18 29.1	1.466	2.446	2.8	20.3
2 1	7 35.12	+18 48.5	1.518	2.470	7.5	20.6
2 11	7 28.03	+19 4.7	1.595	2.494	11.7	20.9
2 21	7 23.73	+19 16.6	1.695	2.519	15.2	21.2

195910 2002 RS_{70} 1 16.5 357°.80 4°.2/18.1 18

12 13	8 13.92	+ 9 29.4	2.061	2.851	13.9	19.6
12 23	8 9.08	+ 8 59.6	1.979	2.851	11.0	19.4
1 2	8 2.18	+ 8 41.6	1.920	2.850	7.8	19.2
1 12	7 53.90	+ 8 35.6	1.887	2.850	4.9	19.1
1 22	7 45.11	+ 8 41.0	1.883	2.850	4.5	19.0
2 1	7 36.81	+ 8 56.1	1.908	2.850	7.1	19.2
2 11	7 29.93	+ 9 17.9	1.959	2.850	10.3	19.4
2 21	7 25.14	+ 9 43.4	2.034	2.851	13.3	19.6

146544 2001 SE_{277} 1 16.5 103°.40 1°.4/16.3 18

12 13	8 27.70	+27 36.0	1.896	2.703	14.3	19.4
12 23	8 19.38	+26 58.4	1.822	2.712	10.8	19.1
1 2	8 8.41	+26 16.3	1.772	2.721	6.7	18.9
1 12	7 55.81	+25 26.9	1.752	2.730	2.5	18.7
1 22	7 42.89	+24 29.7	1.762	2.739	3.0	18.7
2 1	7 31.04	+23 26.1	1.804	2.748	7.2	19.0
2 11	7 21.41	+22 19.4	1.874	2.757	11.1	19.3
2 21	7 14.64	+21 12.9	1.969	2.765	14.4	19.5

468316 2016 CJ_{65} 1 16.5 190°.52 1°.3/15.8 18

12 13	8 16.41	+21 32.6	2.246	3.058	12.2	21.2
12 23	8 11.00	+22 29.0	2.162	3.057	9.1	21.0
1 2	8 3.42	+23 31.6	2.104	3.055	5.6	20.8
1 12	7 54.31	+24 35.7	2.074	3.054	2.0	20.5
1 22	7 44.58	+25 36.2	2.075	3.052	2.8	20.6
2 1	7 35.26	+26 28.8	2.107	3.049	6.5	20.8
2 11	7 27.36	+27 11.1	2.167	3.046	10.0	21.0
2 21	7 21.61	+27 42.6	2.251	3.043	13.0	21.2

21851 1999 TO_{142} 1 16.5 104°.45 0°.6/16.3 18

12 13	8 20.42	+20 22.5	1.828	2.642	14.5	19.1
12 23	8 14.07	+20 56.4	1.769	2.663	10.8	18.9
1 2	8 5.25	+21 36.3	1.733	2.685	6.6	18.7
1 12	7 54.85	+22 17.7	1.725	2.705	2.0	18.5
1 22	7 44.02	+22 55.8	1.747	2.725	2.7	18.6
2 1	7 34.02	+23 27.1	1.798	2.745	7.0	18.9
2 11	7 25.94	+23 49.9	1.877	2.764	10.9	19.2
2 21	7 20.45	+24 4.4	1.978	2.782	14.1	19.4

351295 2004 TA_{116} 1 16.5 85°.06 0°.3/16.6 18

12 13	8 21.49	+17 41.7	1.553	2.369	16.5	21.1
12 23	8 15.10	+18 17.6	1.502	2.397	12.3	20.9
1 2	8 5.95	+19 3.4	1.473	2.425	7.5	20.7
1 12	7 55.06	+19 53.7	1.472	2.452	2.4	20.5
1 22	7 43.79	+20 42.9	1.499	2.479	2.8	20.5
2 1	7 33.54	+21 26.4	1.555	2.505	7.6	20.9
2 11	7 25.52	+22 1.5	1.637	2.530	11.8	21.2
2 21	7 20.41	+22 27.5	1.742	2.555	15.3	21.5

421139 2013 RO_{15} 1 16.5 183°.13 1°.2/17.0 18

12 13	8 16.79	+16 41.7	2.447	3.244	11.8	22.3
12 23	8 10.96	+16 40.7	2.360	3.244	8.9	22.1
1 2	8 3.22	+16 45.9	2.299	3.244	5.7	21.9
1 12	7 54.22	+16 55.5	2.266	3.244	2.2	21.7
1 22	7 44.75	+17 7.6	2.264	3.243	2.2	21.7
2 1	7 35.74	+17 20.3	2.293	3.241	5.7	21.9
2 11	7 28.03	+17 31.9	2.351	3.239	9.0	22.1
2 21	7 22.23	+17 41.6	2.434	3.236	11.8	22.3

304935 2007 SE_2 1 16.5 198°.55 2°.1/17.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 19.03	+14 20.0	2.036	2.832	13.9	21.9
12 23	8 13.02	+14 19.4	1.947	2.829	10.7	21.7
1 2	8 4.68	+14 28.3	1.882	2.825	6.9	21.4
1 12	7 54.72	+14 45.0	1.845	2.820	3.2	21.2
1 22	7 44.12	+15 7.2	1.838	2.815	2.9	21.2
2 1	7 34.01	+15 32.1	1.861	2.809	6.7	21.4
2 11	7 25.46	+15 57.1	1.911	2.802	10.6	21.6
2 21	7 19.22	+16 20.3	1.986	2.794	13.9	21.8

32690 4075 $T\text{-}_1$ 1 16.5 296°.60 2°.0/17.5 18

12 13	8 12.40	+13 21.3	2.255	3.056	12.5	19.4
12 23	8 7.91	+13 31.6	2.164	3.048	9.6	19.2
1 2	8 1.48	+13 52.2	2.097	3.040	6.3	19.0
1 12	7 53.71	+14 21.4	2.058	3.033	3.0	18.8
1 22	7 45.39	+14 56.7	2.048	3.025	2.7	18.7
2 1	7 37.44	+15 35.1	2.068	3.018	6.0	18.9
2 11	7 30.76	+16 13.6	2.115	3.010	9.4	19.1
2 21	7 26.00	+16 49.7	2.187	3.003	12.5	19.3

160857 2001 EU_{21} 1 16.5 307°.44 1°.4/16.9 18

12 13	8 15.46	+17 41.7	1.821	2.638	14.4	20.1
12 23	8 10.84	+17 28.2	1.716	2.611	11.1	19.8
1 2	8 3.62	+17 21.2	1.635	2.585	7.1	19.6
1 12	7 54.47	+17 19.5	1.580	2.558	2.8	19.2
1 22	7 44.40	+17 21.0	1.553	2.532	2.8	19.2
2 1	7 34.68	+17 23.7	1.554	2.506	7.4	19.4
2 11	7 26.57	+17 25.9	1.582	2.480	11.8	19.6
2 21	7 20.99	+17 26.6	1.632	2.455	15.8	19.8

238799 2005 LU_{22} 1 16.5 178°.24 0°.1/16.4 17

12 13	8 12.97	+19 25.7	2.808	3.611	10.2	21.0
12 23	8 7.98	+19 54.3	2.722	3.612	7.7	20.8
1 2	8 1.35	+20 27.8	2.663	3.613	4.7	20.6
1 12	7 53.64	+21 3.8	2.633	3.613	1.5	20.4
1 22	7 45.51	+21 39.3	2.634	3.614	1.8	20.4
2 1	7 37.74	+22 11.9	2.667	3.613	5.0	20.6
2 11	7 31.04	+22 39.8	2.728	3.613	8.0	20.8
2 21	7 25.96	+23 2.2	2.815	3.612	10.5	21.0

430957 2005 UL_{517} 1 16.5 165°.46 2°.8/18.3 17

12 13	8 11.03	+ 9 24.9	2.856	3.634	10.7	21.9
12 23	8 6.44	+ 9 31.9	2.769	3.636	8.4	21.7
1 2	8 0.37	+ 9 49.0	2.707	3.638	5.8	21.5
1 12	7 53.32	+10 15.4	2.674	3.639	3.4	21.4
1 22	7 45.91	+10 49.1	2.670	3.641	3.0	21.3
2 1	7 38.81	+11 28.1	2.698	3.642	5.1	21.5
2 11	7 32.71	+12 9.5	2.754	3.643	7.8	21.7
2 21	7 28.07	+12 50.9	2.836	3.644	10.2	21.8

336562 2009 SY_{13} 1 16.5 58°.42 2°.3/15.9 17

12 13	8 23.00	+24 30.7	1.124	1.968	19.6	21.3
12 23	8 17.24	+24 53.3	1.075	1.986	14.7	21.1
1 2	8 7.68	+25 19.6	1.047	2.003	9.0	20.8
1 12	7 55.68	+25 42.1	1.042	2.022	3.4	20.5
1 22	7 43.15	+25 54.8	1.063	2.040	4.4	20.7
2 1	7 32.10	+25 54.8	1.109	2.059	9.9	21.0
2 11	7 24.16	+25 42.9	1.178	2.078	14.9	21.4
2 21	7 20.06	+25 22.1	1.267	2.097	19.0	21.7

216977 2000 OA_1 1 16.5 110°.66 1°.2/16.1 18

12 13	8 20.16	+24 14.8	2.110	2.921	12.9	20.7
12 23	8 13.62	+24 23.6	2.044	2.938	9.6	20.5
1 2	8 4.87	+24 33.6	2.003	2.954	5.9	20.3
1 12	7 54.73	+24 41.4	1.990	2.970	2.1	20.1
1 22	7 44.24	+24 44.1	2.008	2.985	2.7	20.2
2 1	7 34.51	+24 40.2	2.056	3.000	6.5	20.4
2 11	7 26.51	+24 29.8	2.132	3.015	10.0	20.7
2 21	7 20.86	+24 13.9	2.232	3.029	12.9	20.9

216203 2006 UQ_{14} 1 16.5 346°.34 1°.6/15.9 18

12 13	8 16.22	+22 31.8	1.593	2.425	15.4	20.5
12 23	8 11.59	+23 9.3	1.517	2.422	11.6	20.2
1 2	8 4.10	+23 53.2	1.464	2.419	7.1	20.0
1 12	7 54.60	+24 38.2	1.437	2.417	2.5	19.7
1 22	7 44.32	+25 18.3	1.438	2.415	3.5	19.7
2 1	7 34.72	+25 49.1	1.466	2.414	8.2	20.0
2 11	7 27.16	+26 8.6	1.520	2.413	12.6	20.3
2 21	7 22.48	+26 17.0	1.595	2.412	16.3	20.5

401926 2002 AF_{167} 1 16.5 23°.93 2°.9/16.2 18

12 13	8 21.98	+29 11.1	0.980	1.837	20.8	18.5
12 23	8 16.37	+28 36.1	0.949	1.865	15.5	18.3
1 2	8 6.90	+27 56.3	0.937	1.895	9.6	18.1
1 12	7 55.32	+27 7.6	0.948	1.927	3.9	17.9
1 22	7 43.76	+26 9.4	0.983	1.960	4.6	18.0
2 1	7 34.21	+25 4.5	1.042	1.996	9.9	18.4
2 11	7 28.00	+23 57.3	1.124	2.032	14.7	18.8
2 21	7 25.57	+22 51.7	1.226	2.070	18.6	19.2

58739 1998 EZ_{11} 1 16.5 254.°30 0.°4/16.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.86	+19 35.8	1.786	2.604	14.6	20.2
12 23	8 12.68	+20 9.9	1.693	2.590	11.1	19.9
1 2	8 4.77	+20 53.0	1.623	2.575	6.8	19.6
1 12	7 54.84	+21 40.8	1.580	2.561	2.2	19.3
1 22	7 43.99	+22 28.2	1.566	2.545	2.8	19.3
2 1	7 33.56	+23 10.4	1.581	2.530	7.6	19.6
2 11	7 24.89	+23 44.2	1.623	2.514	12.0	19.8
2 21	7 18.89	+24 8.7	1.687	2.498	15.8	20.0

289718 2005 JB_{5} 1 16.5 152.°84 3.°6/13.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.72	+32 23.0	3.186	3.988	9.2	21.0
12 23	8 10.79	+33 39.8	3.113	3.997	7.0	20.9
1 2	8 3.11	+34 54.6	3.069	4.005	4.9	20.8
1 12	7 54.21	+36 2.8	3.055	4.013	3.7	20.7
1 22	7 44.82	+37 0.0	3.073	4.020	4.4	20.7
2 1	7 35.76	+37 43.8	3.123	4.027	6.3	20.9
2 11	7 27.79	+38 13.6	3.200	4.033	8.4	21.0
2 21	7 21.53	+38 30.3	3.303	4.039	10.4	21.2

349067 2006 XS_{63} 1 16.5 27.°66 3.°3/17.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.68	+12 2.8	1.302	2.130	18.4	20.2
12 23	8 9.77	+12 6.9	1.246	2.143	14.2	19.9
1 2	8 2.94	+12 28.6	1.210	2.157	9.4	19.7
1 12	7 54.20	+13 5.6	1.197	2.172	4.7	19.5
1 22	7 44.90	+13 53.4	1.211	2.188	4.1	19.5
2 1	7 36.52	+14 46.2	1.250	2.205	8.4	19.8
2 11	7 30.36	+15 38.3	1.313	2.222	12.9	20.1
2 21	7 27.17	+16 25.6	1.398	2.241	16.8	20.4

273072 2006 DW_{214} 1 16.5 53.°12 0.°0/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.92	+19 51.2	1.825	2.645	14.2	20.2
12 23	8 10.79	+20 6.8	1.760	2.659	10.6	20.0
1 2	8 3.30	+20 28.6	1.719	2.672	6.5	19.8
1 12	7 54.28	+20 53.2	1.705	2.686	2.0	19.5
1 22	7 44.81	+21 17.0	1.720	2.700	2.5	19.6
2 1	7 36.08	+21 37.0	1.763	2.714	6.8	19.9
2 11	7 29.13	+21 51.5	1.834	2.728	10.7	20.2
2 21	7 24.61	+22 0.1	1.927	2.743	14.0	20.4

78501 2002 RA_{77} 1 16.5 100.°39 2.°1/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.55	+26 45.2	2.294	3.108	11.9	19.9
12 23	8 11.64	+27 5.8	2.226	3.121	8.9	19.7
1 2	8 3.66	+27 26.2	2.183	3.134	5.5	19.5
1 12	7 54.37	+27 42.5	2.169	3.146	2.5	19.3
1 22	7 44.71	+27 51.7	2.185	3.158	3.2	19.4
2 1	7 35.70	+27 52.3	2.231	3.171	6.4	19.6
2 11	7 28.25	+27 44.1	2.305	3.182	9.6	19.9
2 21	7 22.97	+27 28.6	2.403	3.194	12.3	20.1

325314 2008 HW_{68} 1 16.5 145.°36 2.°8/17.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.65	+12 34.1	1.948	2.748	14.2	21.5
12 23	8 10.51	+12 27.8	1.868	2.750	11.0	21.3
1 2	8 3.14	+12 32.7	1.811	2.752	7.3	21.1
1 12	7 54.25	+12 47.7	1.781	2.754	3.8	20.9
1 22	7 44.82	+13 10.5	1.780	2.756	3.4	20.9
2 1	7 35.93	+13 38.5	1.809	2.757	6.8	21.1
2 11	7 28.60	+14 8.4	1.864	2.759	10.5	21.3
2 21	7 23.54	+14 37.6	1.943	2.760	13.8	21.5

264720 2002 CR_{63} 1 16.5 356.°86 7.°4/14.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.95	+34 27.1	1.253	2.104	17.5	18.8
12 23	8 11.62	+35 27.9	1.189	2.098	13.7	18.6
1 2	8 4.54	+36 23.0	1.147	2.093	9.9	18.3
1 12	7 54.81	+37 2.1	1.127	2.090	7.5	18.2
1 22	7 44.14	+37 16.9	1.132	2.088	8.6	18.3
2 1	7 34.56	+37 4.3	1.160	2.088	12.1	18.5
2 11	7 27.83	+36 27.1	1.210	2.090	16.1	18.7
2 21	7 24.87	+35 31.5	1.278	2.093	19.7	18.9

356636 2011 UM_{39} 1 16.5 78.°59 2.°4/17.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.82	+14 37.7	1.494	2.311	17.0	21.1
12 23	8 13.33	+14 33.2	1.431	2.324	13.0	20.9
1 2	8 5.02	+14 40.9	1.389	2.336	8.4	20.6
1 12	7 54.86	+14 58.6	1.373	2.349	3.7	20.4
1 22	7 44.14	+15 23.1	1.384	2.362	3.5	20.4
2 1	7 34.32	+15 50.5	1.423	2.375	7.9	20.7
2 11	7 26.64	+16 17.6	1.488	2.388	12.3	21.0
2 21	7 21.87	+16 41.8	1.574	2.400	16.0	21.3

327910 2007 DU_{4} 1 16.5 45.°74 0.°1/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.21	+20 25.8	1.658	2.482	15.2	21.1
12 23	8 12.03	+20 33.9	1.589	2.489	11.4	20.9
1 2	8 4.19	+20 48.2	1.543	2.497	7.0	20.6
1 12	7 54.59	+21 5.0	1.524	2.504	2.2	20.4
1 22	7 44.45	+21 20.7	1.532	2.512	2.7	20.4
2 1	7 35.08	+21 32.5	1.569	2.520	7.4	20.7
2 11	7 27.70	+21 39.0	1.632	2.528	11.6	21.0
2 21	7 23.03	+21 39.9	1.717	2.537	15.2	21.2

456538 2007 BX_{1} 1 16.5 50.°50 1.°0/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.22	+17 16.8	1.700	2.519	15.2	21.5
12 23	8 11.22	+17 25.9	1.629	2.525	11.5	21.3
1 2	8 3.68	+17 44.0	1.581	2.531	7.2	21.0
1 12	7 54.44	+18 8.5	1.559	2.538	2.6	20.8
1 22	7 44.63	+18 35.5	1.565	2.545	2.7	20.8
2 1	7 35.52	+19 1.6	1.600	2.552	7.2	21.1
2 11	7 28.27	+19 24.3	1.661	2.559	11.4	21.3
2 21	7 23.62	+19 42.2	1.744	2.566	14.9	21.6

222488 2001 SF_{174} 1 16.5 144.°35 0.°6/16.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 10.14	+22 40.9	3.872	4.674	7.7	21.4
12 23	8 5.46	+23 2.4	3.792	4.682	5.7	21.3
1 2	7 59.64	+23 25.5	3.740	4.690	3.5	21.2
1 12	7 53.08	+23 48.4	3.718	4.698	1.2	21.0
1 22	7 46.28	+24 9.4	3.728	4.705	1.6	21.0
2 1	7 39.77	+24 27.1	3.770	4.712	3.9	21.2
2 11	7 34.03	+24 40.6	3.841	4.719	6.1	21.4
2 21	7 29.46	+24 49.6	3.939	4.726	8.0	21.5

177433 2004 CN_{72} 1 16.5 270.°21 1.°2/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.62	+21 10.5	1.794	2.617	14.4	20.1
12 23	8 11.75	+21 57.0	1.705	2.604	10.8	19.8
1 2	8 4.20	+22 51.8	1.638	2.592	6.7	19.5
1 12	7 54.67	+23 49.8	1.599	2.580	2.2	19.2
1 22	7 44.26	+24 45.1	1.589	2.567	3.2	19.3
2 1	7 34.28	+25 32.5	1.608	2.554	7.7	19.5
2 11	7 26.06	+26 9.1	1.653	2.541	12.0	19.7
2 21	7 20.48	+26 34.1	1.720	2.528	15.7	19.9

396598 2001 PJ_{19} 1 16.5 153.°15 2.°9/15.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 22.28	+25 51.3	1.749	2.569	14.8	21.4
12 23	8 15.91	+26 44.7	1.679	2.577	11.1	21.2
1 2	8 6.65	+27 40.9	1.633	2.584	7.0	20.9
1 12	7 55.40	+28 33.0	1.614	2.590	3.3	20.7
1 22	7 43.46	+29 14.6	1.625	2.596	4.4	20.8
2 1	7 32.30	+29 41.9	1.664	2.602	8.3	21.1
2 11	7 23.24	+29 54.2	1.730	2.606	12.3	21.3
2 21	7 17.12	+29 53.7	1.818	2.610	15.6	21.5

375854 2009 VA_{14} 1 16.5 155.°47 5.°7/13.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.55	+36 14.0	2.212	3.023	12.4	21.6
12 23	8 14.34	+37 17.7	2.144	3.027	9.8	21.4
1 2	8 5.57	+38 15.8	2.100	3.031	7.2	21.2
1 12	7 55.04	+39 1.3	2.084	3.035	5.7	21.2
1 22	7 43.90	+39 29.0	2.097	3.038	6.5	21.2
2 1	7 33.44	+39 36.6	2.139	3.042	8.9	21.4
2 11	7 24.83	+39 25.4	2.206	3.044	11.5	21.5
2 21	7 18.83	+38 59.0	2.295	3.047	13.9	21.7

175245 2005 JZ_{15} 1 16.5 140.°81 1.°1/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.73	+16 44.2	1.921	2.729	14.1	21.5
12 23	8 12.10	+16 55.5	1.845	2.735	10.7	21.3
1 2	8 4.12	+17 15.3	1.794	2.742	6.7	21.1
1 12	7 54.58	+17 41.0	1.770	2.748	2.5	20.8
1 22	7 44.50	+18 9.3	1.775	2.754	2.5	20.8
2 1	7 35.04	+18 37.0	1.809	2.760	6.7	21.1
2 11	7 27.26	+19 1.7	1.872	2.765	10.6	21.3
2 21	7 21.87	+19 21.9	1.957	2.769	13.9	21.6

172595 2003 WS_{16} 1 16.5 115.°37 1.°7/15.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.95	+23 44.5	1.878	2.693	14.1	21.5
12 23	8 14.53	+24 20.6	1.815	2.711	10.5	21.3
1 2	8 5.60	+24 59.9	1.776	2.728	6.4	21.1
1 12	7 55.03	+25 37.1	1.765	2.744	2.4	20.9
1 22	7 43.99	+26 7.6	1.784	2.760	3.3	21.0
2 1	7 33.77	+26 28.3	1.833	2.776	7.3	21.3
2 11	7 25.48	+26 38.6	1.909	2.791	11.0	21.5
2 21	7 19.81	+26 39.7	2.007	2.805	14.1	21.8

293549 2007 HL_{27} 1 16.5 296.°42 2.°7/15.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.23	+25 57.7	1.886	2.712	13.6	20.9
12 23	8 11.38	+26 41.1	1.800	2.701	10.3	20.7
1 2	8 3.91	+27 27.6	1.738	2.691	6.5	20.4
1 12	7 54.58	+28 11.6	1.703	2.680	3.1	20.2
1 22	7 44.46	+28 47.6	1.697	2.670	4.1	20.3
2 1	7 34.85	+29 11.9	1.720	2.659	7.9	20.5
2 11	7 27.00	+29 23.2	1.768	2.649	11.8	20.7
2 21	7 21.74	+29 22.6	1.838	2.639	15.1	20.9

490782 2010 UA_{70} 1 16.5 85.°16 4.°9/14.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.05	+30 49.6	1.767	2.592	14.4	21.0
12 23	8 14.28	+32 3.4	1.708	2.605	11.0	20.8
1 2	8 5.65	+33 15.6	1.673	2.618	7.4	20.6
1 12	7 55.10	+34 17.8	1.666	2.632	5.0	20.5
1 22	7 43.92	+35 3.4	1.687	2.645	6.1	20.6
2 1	7 33.59	+35 29.0	1.735	2.658	9.2	20.8
2 11	7 25.40	+35 35.1	1.809	2.671	12.5	21.1
2 21	7 20.15	+35 25.1	1.905	2.684	15.5	21.3

233900 2009 AN_{24} 1 16.5 345°.03 0°.2/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 18.01	+23 5.0	2.051	2.866	13.1	19.7
12 23	8 12.22	+22 39.9	1.967	2.863	9.8	19.5
1 2	8 4.16	+22 15.4	1.907	2.859	6.1	19.3
1 12	7 54.59	+21 49.6	1.876	2.856	1.9	19.0
1 22	7 44.54	+21 21.2	1.874	2.853	2.4	19.0
2 1	7 35.12	+20 50.0	1.902	2.851	6.5	19.3
2 11	7 27.38	+20 16.5	1.958	2.849	10.3	19.5
2 21	7 21.97	+19 41.7	2.037	2.847	13.5	19.7

384207 2009 BT_{186} 1 16.5 340°.47 0°.0/16.5 15

12 13	8 13.21	+19 59.6	1.995	2.816	13.2	21.4
12 23	8 8.80	+20 14.1	1.911	2.810	9.9	21.2
1 2	8 2.17	+20 34.7	1.851	2.804	6.1	21.0
1 12	7 53.99	+20 58.4	1.818	2.798	1.9	20.7
1 22	7 45.23	+21 21.9	1.814	2.793	2.4	20.7
2 1	7 36.96	+21 42.3	1.838	2.789	6.6	20.9
2 11	7 30.22	+21 57.7	1.889	2.784	10.4	21.2
2 21	7 25.71	+22 7.4	1.964	2.781	13.7	21.4

307659 2003 SG_{216} 1 16.5 97°.77 0°.8/16.2 18

12 13	8 20.67	+21 38.9	1.704	2.523	15.1	21.2
12 23	8 14.47	+22 4.3	1.644	2.541	11.3	21.0
1 2	8 5.62	+22 34.7	1.607	2.560	6.9	20.8
1 12	7 55.05	+23 5.5	1.597	2.577	2.2	20.5
1 22	7 44.03	+23 32.1	1.616	2.595	2.9	20.6
2 1	7 33.90	+23 51.5	1.664	2.612	7.4	20.9
2 11	7 25.84	+24 2.4	1.739	2.628	11.5	21.2
2 21	7 20.55	+24 5.6	1.836	2.644	14.8	21.5

416914 2005 RH_{48} 1 16.5 180°.31 2°.6/17.5 18

12 13	8 17.78	+13 18.1	2.296	3.084	12.7	21.4
12 23	8 11.79	+12 58.3	2.209	3.085	9.8	21.2
1 2	8 3.81	+12 46.4	2.148	3.086	6.5	21.0
1 12	7 54.49	+12 42.0	2.115	3.086	3.4	20.8
1 22	7 44.69	+12 43.9	2.112	3.086	3.2	20.8
2 1	7 35.38	+12 50.5	2.140	3.085	6.2	21.0
2 11	7 27.45	+13 0.0	2.196	3.084	9.5	21.2
2 21	7 21.54	+13 10.8	2.277	3.082	12.5	21.4

120312 2004 LY_{2} 1 16.5 186°.33 6°.8/20.3 18

12 13	8 14.30	− 1 42.9	2.411	3.141	13.8	21.0
12 23	8 9.14	− 2 1.9	2.323	3.141	11.6	20.8
1 2	8 2.18	− 2 2.9	2.256	3.140	9.3	20.7
1 12	7 53.98	− 1 44.5	2.216	3.139	7.4	20.5
1 22	7 45.29	− 1 7.1	2.203	3.137	6.8	20.5
2 1	7 36.97	− 0 13.2	2.220	3.135	7.9	20.6
2 11	7 29.83	+ 0 52.7	2.263	3.132	10.1	20.7
2 21	7 24.47	+ 2 5.6	2.332	3.129	12.5	20.9

190076 2004 SK_{58} 1 16.5 136°.55 0°.6/16.8 18

12 13	8 16.00	+18 2.7	2.140	2.948	12.9	21.1
12 23	8 10.63	+18 14.7	2.062	2.953	9.7	20.9
1 2	8 3.16	+18 33.4	2.009	2.958	6.0	20.6
1 12	7 54.29	+18 56.3	1.983	2.963	2.1	20.4
1 22	7 44.94	+19 20.3	1.988	2.967	2.2	20.4
2 1	7 36.14	+19 42.8	2.022	2.972	6.1	20.7
2 11	7 28.82	+20 1.9	2.085	2.976	9.7	20.9
2 21	7 23.63	+20 16.6	2.171	2.980	12.8	21.1

164391 2005 EG_{318} 1 16.5 344°.68 0°.5/16.7 18

12 13	8 13.20	+18 17.1	1.859	2.680	14.0	19.7
12 23	8 8.93	+18 32.0	1.776	2.675	10.6	19.5
1 2	8 2.31	+18 55.0	1.717	2.670	6.6	19.2
1 12	7 54.07	+19 23.2	1.685	2.665	2.2	18.9
1 22	7 45.19	+19 53.2	1.681	2.661	2.4	18.9
2 1	7 36.83	+20 21.4	1.705	2.657	6.8	19.2
2 11	7 30.09	+20 45.3	1.756	2.654	10.9	19.4
2 21	7 25.71	+21 3.6	1.830	2.652	14.3	19.6

344570 2002 XD_{119} 1 16.5 95°.94 1°.8/17.1 17

12 13	8 22.61	+16 33.7	1.464	2.279	17.4	21.2
12 23	8 16.13	+16 26.9	1.406	2.299	13.1	21.0
1 2	8 6.71	+16 30.2	1.369	2.318	8.3	20.8
1 12	7 55.42	+16 40.8	1.359	2.337	3.3	20.5
1 22	7 43.66	+16 55.4	1.377	2.356	3.2	20.6
2 1	7 32.96	+17 10.8	1.422	2.374	8.0	20.9
2 11	7 24.62	+17 24.8	1.494	2.391	12.5	21.2
2 21	7 19.34	+17 36.0	1.587	2.408	16.2	21.5

44023 1997 WO_{46} 1 16.5 37°.03 1°.3/16.9 18

12 13	8 16.35	+17 4.2	1.665	2.484	15.4	18.3
12 23	8 11.38	+17 4.1	1.593	2.489	11.7	18.1
1 2	8 3.83	+17 13.0	1.544	2.494	7.4	17.9
1 12	7 54.54	+17 28.5	1.520	2.499	2.8	17.6
1 22	7 44.66	+17 47.4	1.525	2.505	2.8	17.6
2 1	7 35.50	+18 6.6	1.558	2.511	7.3	17.9
2 11	7 28.24	+18 23.8	1.617	2.517	11.5	18.2
2 21	7 23.60	+18 37.4	1.699	2.523	15.2	18.4

25227 Genehill 1 16.5 143°.47 0°.8/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 18.25	+17 30.3	2.015	2.821	13.6	19.4
12 23	8 12.39	+17 40.9	1.940	2.830	10.3	19.2
1 2	8 4.27	+17 59.0	1.889	2.838	6.4	18.9
1 12	7 54.65	+18 21.7	1.866	2.845	2.3	18.7
1 22	7 44.53	+18 46.1	1.873	2.852	2.4	18.7
2 1	7 35.03	+19 9.2	1.909	2.859	6.5	19.0
2 11	7 27.16	+19 29.0	1.974	2.865	10.2	19.2
2 21	7 21.59	+19 44.5	2.062	2.871	13.4	19.4

68424 2001 QO_{327} 1 16.5 21°.75 4°.3/18.1 18

12 13	8 15.80	+10 10.9	1.292	2.112	19.0	19.0
12 23	8 11.58	+10 9.0	1.224	2.115	14.9	18.8
1 2	8 4.25	+10 27.0	1.175	2.117	10.2	18.5
1 12	7 54.74	+11 3.9	1.149	2.121	5.6	18.3
1 22	7 44.41	+11 55.8	1.149	2.124	4.9	18.3
2 1	7 34.89	+12 56.5	1.175	2.129	9.0	18.5
2 11	7 27.62	+13 59.4	1.225	2.133	13.7	18.8
2 21	7 23.52	+14 58.9	1.296	2.138	17.9	19.0

56793 2000 OB_{60} 1 16.5 238°.46 4°.3/18.9 18

12 13	8 14.18	+ 6 18.1	2.025	2.804	14.5	19.6
12 23	8 9.47	+ 6 35.5	1.934	2.798	11.6	19.4
1 2	8 2.58	+ 7 10.6	1.865	2.792	8.3	19.2
1 12	7 54.16	+ 8 2.7	1.824	2.785	5.2	19.0
1 22	7 45.09	+ 9 8.8	1.811	2.779	4.5	18.9
2 1	7 36.39	+10 24.3	1.827	2.772	7.1	19.0
2 11	7 29.08	+11 43.6	1.871	2.765	10.5	19.2
2 21	7 23.90	+13 1.7	1.940	2.758	13.8	19.4

331265 2011 CS_{60} 1 16.5 74°.43 1°.2/17.0 18

12 13	8 15.82	+16 19.5	1.890	2.701	14.2	21.6
12 23	8 10.67	+16 34.1	1.821	2.713	10.7	21.4
1 2	8 3.25	+16 58.0	1.776	2.725	6.7	21.2
1 12	7 54.33	+17 28.2	1.759	2.737	2.5	21.0
1 22	7 44.95	+18 1.3	1.770	2.749	2.5	21.0
2 1	7 36.23	+18 33.8	1.810	2.761	6.6	21.3
2 11	7 29.18	+19 3.2	1.878	2.773	10.4	21.5
2 21	7 24.46	+19 27.7	1.969	2.786	13.7	21.8

49656 1999 JK_{92} 1 16.5 17°.60 0°.4/16.3 18

12 13	8 12.86	+18 25.9	1.941	2.761	13.5	17.9
12 23	8 8.59	+19 24.4	1.866	2.765	10.1	17.7
1 2	8 2.07	+20 32.7	1.816	2.769	6.2	17.5
1 12	7 54.00	+21 46.0	1.793	2.773	1.9	17.2
1 22	7 45.33	+22 58.5	1.799	2.778	2.6	17.3
2 1	7 37.17	+24 5.0	1.835	2.783	6.7	17.5
2 11	7 30.55	+25 1.7	1.898	2.789	10.5	17.8
2 21	7 26.19	+25 47.0	1.984	2.795	13.8	18.0

69651 1998 FW_{99} 1 16.5 320°.09 3°.2/17.3 18

12 13	8 15.84	+14 49.5	1.363	2.191	17.7	18.7
12 23	8 11.73	+14 22.3	1.278	2.176	13.8	18.4
1 2	8 4.47	+14 6.4	1.213	2.162	9.1	18.1
1 12	7 54.87	+14 1.4	1.172	2.148	4.4	17.8
1 22	7 44.25	+14 5.8	1.157	2.135	4.2	17.7
2 1	7 34.24	+14 16.9	1.168	2.122	9.0	18.0
2 11	7 26.38	+14 31.7	1.203	2.110	14.0	18.2
2 21	7 21.70	+14 47.3	1.258	2.099	18.4	18.5

334973 2004 EM_{30} 1 16.5 43°.40 1°.2/16.1 18

12 13	8 16.01	+23 50.7	1.998	2.819	13.1	20.4
12 23	8 10.75	+24 2.2	1.931	2.830	9.8	20.2
1 2	8 3.27	+24 15.8	1.889	2.842	6.0	20.0
1 12	7 54.35	+24 28.0	1.873	2.853	2.1	19.8
1 22	7 45.02	+24 35.9	1.887	2.865	2.8	19.9
2 1	7 36.39	+24 37.4	1.931	2.877	6.6	20.1
2 11	7 29.45	+24 32.2	2.001	2.890	10.2	20.4
2 21	7 24.82	+24 21.1	2.094	2.902	13.3	20.6

142261 2002 RS_{107} 1 16.5 27°.24 4°.2/17.9 18

12 13	8 14.66	+12 12.4	1.206	2.038	19.3	18.7
12 23	8 10.63	+11 48.5	1.155	2.053	14.9	18.5
1 2	8 3.53	+11 41.6	1.123	2.070	10.0	18.3
1 12	7 54.47	+11 51.0	1.115	2.088	5.4	18.1
1 22	7 44.90	+12 13.5	1.131	2.107	4.8	18.1
2 1	7 36.40	+12 44.8	1.173	2.127	8.9	18.4
2 11	7 30.29	+13 19.6	1.238	2.148	13.4	18.7
2 21	7 27.29	+13 53.8	1.323	2.170	17.3	19.0

62216 2000 SE_{64} 1 16.5 173°.22 0°.1/16.6 18

12 13	8 19.52	+18 47.1	1.939	2.747	14.0	20.3
12 23	8 13.55	+19 15.1	1.859	2.750	10.5	20.1
1 2	8 5.11	+19 50.9	1.803	2.753	6.5	19.9
1 12	7 54.98	+20 30.6	1.775	2.755	2.1	19.6
1 22	7 44.21	+21 9.9	1.777	2.756	2.5	19.6
2 1	7 34.03	+21 45.0	1.809	2.757	6.9	19.9
2 11	7 25.55	+22 13.6	1.868	2.757	10.8	20.1
2 21	7 19.54	+22 34.8	1.951	2.756	14.2	20.4

296981 2010 EN_{104} 1 16.5 319°.14 1°.6/17.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 12.83	+13 46.4	2.196	2.999	12.8	20.2
12 23	8 8.31	+14 14.3	2.111	2.997	9.8	20.0
1 2	8 1.80	+14 53.3	2.049	2.994	6.3	19.8
1 12	7 53.92	+15 41.0	2.016	2.992	2.7	19.6
1 22	7 45.50	+16 33.8	2.012	2.990	2.4	19.6
2 1	7 37.47	+17 27.8	2.038	2.989	6.0	19.8
2 11	7 30.76	+18 19.5	2.092	2.987	9.5	20.0
2 21	7 26.03	+19 6.3	2.170	2.985	12.6	20.2

268523 2005 YF_{212} 1 16.5 22°.00 5°.1/18.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.35	+ 8 5.2	1.420	2.233	17.9	19.9
12 23	8 8.63	+ 7 53.7	1.358	2.243	14.2	19.7
1 2	8 2.23	+ 8 2.0	1.317	2.254	10.0	19.5
1 12	7 54.08	+ 8 29.9	1.300	2.266	6.2	19.3
1 22	7 45.36	+ 9 14.2	1.308	2.279	5.4	19.3
2 1	7 37.43	+10 9.8	1.343	2.293	8.5	19.5
2 11	7 31.47	+11 10.4	1.402	2.308	12.5	19.8
2 21	7 28.23	+12 10.3	1.482	2.324	16.1	20.1

79182 1993 FS_{82} 1 16.5 145°.68 2°.0/15.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.20	+26 15.4	2.553	3.365	10.9	20.4
12 23	8 9.86	+26 48.9	2.475	3.370	8.1	20.2
1 2	8 2.63	+27 23.3	2.424	3.374	5.1	20.0
1 12	7 54.16	+27 54.7	2.401	3.378	2.4	19.8
1 22	7 45.25	+28 19.9	2.409	3.381	3.1	19.9
2 1	7 36.81	+28 36.5	2.447	3.385	6.0	20.1
2 11	7 29.69	+28 44.1	2.514	3.388	9.0	20.3
2 21	7 24.47	+28 43.1	2.604	3.391	11.6	20.4

151974 2004 GM_{76} 1 16.5 239°.82 4°.8/14.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 21.97	+29 10.8	1.505	2.335	16.2	20.2
12 23	8 16.43	+30 15.3	1.427	2.328	12.4	19.9
1 2	8 7.42	+31 21.4	1.372	2.321	8.2	19.7
1 12	7 55.83	+32 20.0	1.343	2.314	5.0	19.5
1 22	7 43.16	+33 2.7	1.341	2.306	6.2	19.5
2 1	7 31.24	+33 24.4	1.366	2.298	10.3	19.7
2 11	7 21.78	+33 25.1	1.415	2.290	14.6	20.0
2 21	7 15.82	+33 8.6	1.485	2.281	18.3	20.2

15404 1997 VE_{8} 1 16.5 157°.43 1°.1/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.69	+23 3.6	2.231	3.040	12.4	19.0
12 23	8 12.62	+23 25.5	2.153	3.047	9.2	18.8
1 2	8 4.39	+23 50.3	2.101	3.052	5.7	18.6
1 12	7 54.73	+24 14.3	2.078	3.058	1.9	18.3
1 22	7 44.58	+24 34.1	2.085	3.063	2.6	18.4
2 1	7 35.01	+24 47.4	2.123	3.067	6.3	18.7
2 11	7 26.99	+24 53.3	2.189	3.071	9.8	18.9
2 21	7 21.18	+24 52.3	2.278	3.074	12.7	19.1

373943 2003 UJ_{375} 1 16.5 128°.65 0°.3/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.87	+20 59.8	2.486	3.290	11.4	22.4
12 23	8 10.98	+21 13.6	2.414	3.304	8.5	22.2
1 2	8 3.24	+21 30.8	2.367	3.317	5.2	22.0
1 12	7 54.34	+21 48.9	2.350	3.330	1.6	21.8
1 22	7 45.07	+22 5.2	2.363	3.342	2.0	21.8
2 1	7 36.35	+22 17.8	2.407	3.354	5.5	22.1
2 11	7 28.99	+22 25.7	2.480	3.365	8.7	22.3
2 21	7 23.53	+22 28.7	2.578	3.376	11.4	22.5

146142 2000 SJ_{52} 1 16.5 137°.39 4°.9/19.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 11.97	+ 2 52.3	2.760	3.510	11.8	21.0
12 23	8 7.17	+ 2 35.6	2.679	3.517	9.6	20.9
1 2	8 0.87	+ 2 32.1	2.621	3.524	7.3	20.8
1 12	7 53.59	+ 2 42.3	2.590	3.531	5.4	20.6
1 22	7 45.96	+ 3 5.4	2.589	3.538	5.0	20.6
2 1	7 38.70	+ 3 39.4	2.617	3.544	6.3	20.7
2 11	7 32.46	+ 4 21.4	2.673	3.550	8.4	20.9
2 21	7 27.73	+ 5 7.9	2.755	3.556	10.6	21.0

465714 2009 UK_{63} 1 16.5 145°.61 2°.8/17.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.74	+11 35.9	2.006	2.804	14.0	21.9
12 23	8 9.83	+11 41.5	1.925	2.805	10.8	21.7
1 2	8 2.77	+11 59.4	1.867	2.807	7.3	21.5
1 12	7 54.24	+12 28.4	1.837	2.809	3.8	21.3
1 22	7 45.16	+13 5.7	1.835	2.810	3.3	21.3
2 1	7 36.57	+13 47.9	1.862	2.811	6.6	21.5
2 11	7 29.47	+14 31.3	1.917	2.813	10.2	21.7
2 21	7 24.53	+15 12.9	1.996	2.814	13.5	21.9

104306 2000 EM_{185} 1 16.5 87°.33 5°.7/14.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 24.07	+30 56.1	1.415	2.247	17.0	19.2
12 23	8 17.83	+32 10.4	1.363	2.264	12.9	19.0
1 2	8 8.07	+33 22.2	1.334	2.280	8.7	18.8
1 12	7 55.95	+34 21.3	1.330	2.297	5.8	18.7
1 22	7 43.17	+34 59.7	1.353	2.314	6.9	18.8
2 1	7 31.61	+35 13.9	1.403	2.330	10.6	19.0
2 11	7 22.84	+35 6.2	1.476	2.346	14.4	19.3
2 21	7 17.67	+34 41.7	1.570	2.361	17.7	19.6

35270 Molinari 1 16.5 146°.85 2°.0/17.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 19.52	+14 2.1	2.077	2.870	13.7	20.3
12 23	8 13.24	+14 7.4	2.002	2.882	10.5	20.1
1 2	8 4.77	+14 22.4	1.951	2.893	6.8	19.9
1 12	7 54.85	+14 45.2	1.929	2.904	3.1	19.7
1 22	7 44.47	+15 12.9	1.936	2.913	2.8	19.7
2 1	7 34.69	+15 42.6	1.974	2.922	6.4	19.9
2 11	7 26.50	+16 11.6	2.041	2.930	10.0	20.1
2 21	7 20.55	+16 38.1	2.131	2.937	13.1	20.4

319221 2005 YD_{264} 1 16.5 190°.04 1°.4/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.78	+22 38.4	1.931	2.744	13.9	21.8
12 23	8 14.63	+23 17.6	1.848	2.743	10.4	21.6
1 2	8 5.86	+24 2.0	1.790	2.741	6.4	21.3
1 12	7 55.26	+24 46.5	1.760	2.739	2.3	21.1
1 22	7 43.93	+25 25.9	1.759	2.736	3.1	21.1
2 1	7 33.17	+25 56.4	1.789	2.732	7.4	21.4
2 11	7 24.19	+26 16.4	1.846	2.728	11.3	21.6
2 21	7 17.81	+26 26.3	1.926	2.722	14.7	21.8

1539 Borrelly 1 16.5 60°.40 0°.4/16.7 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.91	+18 26.5	2.080	2.892	13.0	15.9
12 23	8 9.78	+18 44.2	2.017	2.910	9.7	15.7
1 2	8 2.61	+19 8.4	1.978	2.929	6.0	15.5
1 12	7 54.16	+19 36.3	1.968	2.947	2.0	15.3
1 22	7 45.33	+20 4.6	1.986	2.966	2.2	15.3
2 1	7 37.16	+20 30.4	2.035	2.985	6.1	15.6
2 11	7 30.51	+20 51.8	2.111	3.004	9.6	15.8
2 21	7 25.99	+21 8.0	2.210	3.022	12.5	16.1

88474 2001 QD_{112} 1 16.5 51°.24 0°.6/16.7 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.02	+18 8.3	1.186	2.023	19.3	18.8
12 23	8 14.69	+18 23.9	1.141	2.047	14.4	18.6
1 2	8 6.02	+18 50.8	1.116	2.071	8.9	18.3
1 12	7 55.27	+19 23.8	1.115	2.095	2.9	18.0
1 22	7 44.08	+19 57.4	1.140	2.120	3.2	18.1
2 1	7 34.19	+20 26.7	1.190	2.145	8.8	18.5
2 11	7 27.01	+20 49.2	1.265	2.170	13.6	18.9
2 21	7 23.23	+21 4.0	1.360	2.196	17.6	19.2

466327 2013 RR_{8} 1 16.5 75°.61 0°.6/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.75	+18 18.3	1.988	2.801	13.5	21.8
12 23	8 10.58	+18 29.6	1.915	2.809	10.2	21.6
1 2	8 3.21	+18 47.9	1.866	2.816	6.3	21.4
1 12	7 54.37	+19 10.3	1.844	2.824	2.1	21.1
1 22	7 45.06	+19 33.9	1.852	2.832	2.3	21.2
2 1	7 36.35	+19 55.7	1.889	2.840	6.4	21.4
2 11	7 29.24	+20 13.8	1.953	2.847	10.2	21.7
2 21	7 24.39	+20 27.1	2.041	2.855	13.4	21.9

295847 2008 VB_{40} 1 16.5 316°.10 0°.9/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.69	+18 19.1	1.354	2.187	17.6	20.7
12 23	8 13.15	+18 19.4	1.275	2.178	13.4	20.4
1 2	8 5.34	+18 29.5	1.217	2.171	8.4	20.1
1 12	7 55.17	+18 46.3	1.183	2.163	3.0	19.7
1 22	7 44.03	+19 5.8	1.176	2.156	3.2	19.7
2 1	7 33.63	+19 24.2	1.195	2.149	8.8	20.0
2 11	7 25.52	+19 38.7	1.238	2.143	13.9	20.3
2 21	7 20.70	+19 48.1	1.302	2.137	18.3	20.6

523668 2012 UV_{27} 1 16.5 179°.65 0°.4/16.4 18 C

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 24.70	+21 9.0	2.228	3.023	12.8	24.6
12 23	8 17.13	+21 27.9	2.141	3.026	9.7	24.4
1 2	8 7.20	+21 50.8	2.080	3.029	5.9	24.2
1 12	7 55.65	+22 14.1	2.049	3.029	1.9	23.9
1 22	7 43.51	+22 34.1	2.050	3.029	2.4	23.9
2 1	7 31.94	+22 48.6	2.083	3.027	6.5	24.2
2 11	7 22.01	+22 56.4	2.145	3.024	10.1	24.4
2 21	7 14.46	+22 58.0	2.232	3.019	13.3	24.6

372997 2011 CC_{88} 1 16.5 195°.22 1°.3/16.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.30	+23 57.0	2.020	2.839	13.1	21.3
12 23	8 11.85	+24 13.8	1.941	2.839	9.8	21.0
1 2	8 4.05	+24 33.1	1.886	2.838	6.1	20.8
1 12	7 54.66	+24 51.1	1.859	2.838	2.2	20.6
1 22	7 44.71	+25 4.2	1.861	2.838	2.9	20.6
2 1	7 35.37	+25 10.1	1.892	2.837	6.9	20.9
2 11	7 27.69	+25 8.2	1.950	2.837	10.6	21.1
2 21	7 22.39	+24 59.4	2.032	2.837	13.8	21.3

109305 2001 QG_{131} 1 16.5 122°.32 4°.3/18.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.71	+ 6 4.7	2.463	3.232	12.5	19.9
12 23	8 7.90	+ 5 55.4	2.382	3.238	10.0	19.8
1 2	8 1.40	+ 5 59.1	2.326	3.245	7.3	19.6
1 12	7 53.78	+ 6 15.9	2.296	3.251	4.9	19.5
1 22	7 45.77	+ 6 44.3	2.296	3.257	4.4	19.5
2 1	7 38.17	+ 7 22.0	2.325	3.263	6.3	19.6
2 11	7 31.74	+ 8 5.6	2.382	3.269	8.9	19.8
2 21	7 27.02	+ 8 51.7	2.465	3.274	11.5	19.9

45601 2000 DE_5 1 16.5 93°.46 0°.6/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.31	+16 27.1	2.167	2.974	12.8	18.9
12 23	8 9.40	+17 4.1	2.091	2.982	9.6	18.7
1 2	8 2.45	+17 50.2	2.041	2.990	6.0	18.5
1 12	7 54.14	+18 42.0	2.018	2.998	2.1	18.3
1 22	7 45.34	+19 35.6	2.026	3.006	2.2	18.3
2 1	7 37.04	+20 26.9	2.064	3.014	6.0	18.5
2 11	7 30.15	+21 12.9	2.129	3.021	9.5	18.8
2 21	7 25.31	+21 51.8	2.219	3.029	12.6	19.0

412669 2014 OF_{198} 1 16.5 45°.28 7°.4/20.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.62	+ 0 12.3	1.606	2.377	18.0	20.0
12 23	8 9.34	+ 0 12.0	1.538	2.388	14.9	19.9
1 2	8 2.60	+ 0 37.4	1.491	2.399	11.5	19.7
1 12	7 54.22	+ 1 29.5	1.467	2.410	8.4	19.5
1 22	7 45.27	+ 2 45.3	1.469	2.422	7.4	19.5
2 1	7 36.98	+ 4 18.6	1.498	2.435	9.2	19.6
2 11	7 30.47	+ 6 1.1	1.553	2.447	12.3	19.8
2 21	7 26.45	+ 7 44.6	1.631	2.460	15.4	20.1

39744 1997 AT_{16} 1 16.5 54°.83 1°.4/16.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.17	+21 49.9	1.363	2.198	17.3	18.2
12 23	8 13.92	+22 30.1	1.310	2.216	12.9	18.0
1 2	8 5.56	+23 17.3	1.280	2.235	7.9	17.7
1 12	7 55.16	+24 4.8	1.275	2.255	2.7	17.5
1 22	7 44.24	+24 46.2	1.296	2.274	3.6	17.6
2 1	7 34.40	+25 17.0	1.345	2.294	8.6	17.9
2 11	7 27.02	+25 35.7	1.418	2.314	13.1	18.2
2 21	7 22.83	+25 43.2	1.512	2.335	16.8	18.5

293872 2007 RF_{265} 1 16.5 164°.45 3°.3/18.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.27	+ 8 52.5	2.556	3.333	11.9	22.0
12 23	8 8.30	+ 8 51.7	2.471	3.336	9.3	21.8
1 2	8 1.65	+ 9 2.0	2.410	3.339	6.5	21.6
1 12	7 53.89	+ 9 23.0	2.378	3.341	4.0	21.5
1 22	7 45.71	+ 9 52.8	2.375	3.344	3.5	21.4
2 1	7 37.91	+10 29.1	2.402	3.346	5.8	21.6
2 11	7 31.24	+11 8.9	2.459	3.347	8.6	21.8
2 21	7 26.25	+11 49.5	2.540	3.349	11.2	21.9

464930 2005 UK_{170} 1 16.5 23°.20 0°.6/16.3 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.31	+21 27.9	1.300	2.144	17.5	21.2
12 23	8 11.14	+21 40.2	1.246	2.156	13.1	21.0
1 2	8 3.90	+21 59.1	1.213	2.170	8.0	20.8
1 12	7 54.65	+22 20.0	1.204	2.185	2.5	20.5
1 22	7 44.86	+22 38.1	1.221	2.201	3.2	20.6
2 1	7 36.13	+22 50.0	1.264	2.218	8.4	20.9
2 11	7 29.80	+22 54.4	1.331	2.236	13.1	21.2
2 21	7 26.59	+22 51.5	1.418	2.255	16.9	21.5

194303 2001 UB_{67} 1 16.5 260°.86 3°.4/15.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.52	+26 41.5	1.532	2.362	16.0	20.5
12 23	8 15.21	+27 28.2	1.451	2.354	12.1	20.2
1 2	8 6.62	+28 18.2	1.392	2.344	7.7	19.9
1 12	7 55.61	+29 4.0	1.359	2.335	3.9	19.7
1 22	7 43.58	+29 38.5	1.354	2.326	5.0	19.7
2 1	7 32.24	+29 57.2	1.376	2.316	9.4	19.9
2 11	7 23.19	+29 59.3	1.422	2.306	13.9	20.2
2 21	7 17.45	+29 47.5	1.490	2.297	17.8	20.4

241220 2007 TF_{80} 1 16.5 131°.81 0°.2/16.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.95	+18 40.8	1.931	2.739	14.1	21.6
12 23	8 13.76	+19 5.8	1.862	2.753	10.6	21.4
1 2	8 5.18	+19 38.0	1.817	2.767	6.5	21.2
1 12	7 55.03	+20 13.8	1.799	2.779	2.1	20.9
1 22	7 44.39	+20 49.0	1.812	2.792	2.4	21.0
2 1	7 34.44	+21 20.1	1.855	2.803	6.7	21.3
2 11	7 26.25	+21 45.2	1.925	2.814	10.6	21.5
2 21	7 20.51	+22 3.6	2.019	2.824	13.8	21.8

192147 2006 FS_{40} 1 16.5 47°.88 1°.2/16.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.27	+22 58.6	1.908	2.730	13.6	20.3
12 23	8 11.17	+23 24.1	1.836	2.735	10.2	20.1
1 2	8 3.67	+23 53.5	1.787	2.740	6.2	19.8
1 12	7 54.57	+24 22.7	1.766	2.746	2.2	19.6
1 22	7 44.93	+24 47.5	1.773	2.751	2.9	19.6
2 1	7 35.94	+25 5.0	1.810	2.757	7.0	19.9
2 11	7 28.68	+25 14.1	1.873	2.762	10.8	20.1
2 21	7 23.85	+25 15.1	1.959	2.768	14.0	20.4

161711 2006 KU_{88} 1 16.5 102°.66 2°.9/14.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.41	+26 28.7	2.240	3.057	12.0	19.8
12 23	8 11.08	+27 40.9	2.171	3.067	9.0	19.6
1 2	8 3.56	+28 55.4	2.128	3.077	5.7	19.4
1 12	7 54.54	+30 6.2	2.114	3.087	3.1	19.3
1 22	7 44.96	+31 7.7	2.130	3.097	4.1	19.4
2 1	7 35.89	+31 56.1	2.176	3.106	7.1	19.6
2 11	7 28.34	+32 29.9	2.249	3.115	10.2	19.8
2 21	7 22.99	+32 50.1	2.346	3.125	12.9	20.0

203861 2002 WN_2 1 16.5 86°.33 0°.0/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.81	+18 58.2	2.285	3.094	12.1	20.4
12 23	8 9.62	+19 28.4	2.217	3.109	9.0	20.2
1 2	8 2.51	+20 4.6	2.174	3.125	5.5	20.0
1 12	7 54.17	+20 43.7	2.160	3.140	1.8	19.8
1 22	7 45.44	+21 22.2	2.176	3.156	2.1	19.8
2 1	7 37.25	+21 57.0	2.223	3.171	5.8	20.1
2 11	7 30.46	+22 26.0	2.297	3.186	9.1	20.3
2 21	7 25.64	+22 48.6	2.396	3.201	11.9	20.5

256683 2007 YU_{46} 1 16.5 261°.94 0°.6/16.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.28	+21 40.2	1.742	2.564	14.7	21.3
12 23	8 12.95	+21 53.2	1.661	2.560	11.1	21.0
1 2	8 4.92	+22 11.2	1.603	2.557	6.8	20.8
1 12	7 55.01	+22 30.5	1.572	2.553	2.2	20.5
1 22	7 44.39	+22 47.1	1.570	2.549	2.8	20.5
2 1	7 34.42	+22 58.0	1.596	2.545	7.5	20.8
2 11	7 26.34	+23 2.1	1.648	2.541	11.8	21.0
2 21	7 20.98	+22 59.6	1.723	2.537	15.4	21.3

364037 2005 WT_{48} 1 16.5 187°.49 3°.4/17.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.90	+10 44.7	2.378	3.159	12.6	21.3
12 23	8 11.13	+10 18.0	2.290	3.158	9.9	21.1
1 2	8 3.45	+10 0.5	2.226	3.157	6.8	20.9
1 12	7 54.50	+ 9 52.2	2.191	3.156	4.1	20.8
1 22	7 45.07	+ 9 52.5	2.185	3.154	3.8	20.7
2 1	7 36.08	+10 0.0	2.210	3.152	6.3	20.9
2 11	7 28.38	+10 12.6	2.263	3.149	9.4	21.1
2 21	7 22.58	+10 28.2	2.342	3.146	12.2	21.3

417755 2007 DR_{46} 1 16.6 336°.02 0°.9/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.66	+16 30.2	1.442	2.276	16.6	20.6
12 23	8 9.26	+16 57.6	1.359	2.263	12.7	20.3
1 2	8 2.94	+17 39.0	1.297	2.251	8.0	20.0
1 12	7 54.47	+18 30.9	1.259	2.239	2.8	19.6
1 22	7 45.05	+19 27.7	1.248	2.229	2.9	19.6
2 1	7 36.16	+20 23.3	1.264	2.219	8.3	19.9
2 11	7 29.26	+21 12.9	1.304	2.211	13.2	20.2
2 21	7 25.32	+21 53.4	1.365	2.203	17.4	20.4

496707 2016 ET_{169} 1 16.6 166°.52 0°.8/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.30	+22 11.6	2.151	2.966	12.6	22.0
12 23	8 10.98	+22 32.7	2.071	2.967	9.4	21.8
1 2	8 3.49	+22 57.7	2.016	2.968	5.8	21.5
1 12	7 54.53	+23 23.2	1.989	2.969	1.9	21.3
1 22	7 45.05	+23 45.6	1.991	2.970	2.5	21.3
2 1	7 36.10	+24 2.4	2.024	2.970	6.4	21.6
2 11	7 28.67	+24 12.4	2.083	2.971	10.0	21.8
2 21	7 23.42	+24 15.5	2.167	2.971	13.0	22.0

275537 1998 RQ_{15} 1 16.6 11°.86 0°.9/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.70	+17 9.2	1.985	2.798	13.5	20.8
12 23	8 9.90	+17 21.6	1.905	2.798	10.2	20.6
1 2	8 2.88	+17 42.3	1.849	2.799	6.4	20.4
1 12	7 54.35	+18 8.7	1.820	2.800	2.3	20.1
1 22	7 45.27	+18 37.5	1.821	2.800	2.4	20.1
2 1	7 36.71	+19 5.8	1.850	2.801	6.5	20.4
2 11	7 29.70	+19 30.9	1.907	2.802	10.3	20.6
2 21	7 24.92	+19 51.4	1.987	2.804	13.6	20.8

28862 2000 JF_{65} 1 16.6 189°.78 3°.0/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.42	+24 14.5	1.823	2.647	14.1	17.8
12 23	8 12.39	+25 40.0	1.747	2.647	10.6	17.6
1 2	8 4.67	+27 12.3	1.695	2.647	6.6	17.4
1 12	7 54.99	+28 43.8	1.671	2.647	3.3	17.2
1 22	7 44.47	+30 6.4	1.676	2.647	4.5	17.2
2 1	7 34.47	+31 14.1	1.711	2.646	8.3	17.5
2 11	7 26.27	+32 4.0	1.772	2.646	12.1	17.7
2 21	7 20.75	+32 36.8	1.855	2.646	15.4	17.9

495901 2005 QO_{99} 1 16.6 113°.79 2°.8/17.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.91	+12 51.2	1.575	2.380	16.8	22.3
12 23	8 14.82	+12 55.9	1.511	2.396	12.9	22.1
1 2	8 5.98	+13 14.4	1.469	2.412	8.5	21.8
1 12	7 55.34	+13 44.5	1.453	2.428	4.0	21.6
1 22	7 44.16	+14 22.2	1.466	2.443	3.6	21.6
2 1	7 33.83	+15 3.3	1.507	2.457	7.7	21.9
2 11	7 25.60	+15 43.7	1.574	2.471	12.0	22.2
2 21	7 20.20	+16 20.4	1.664	2.484	15.6	22.4

81589 2000 HM_{49} 1 16.6 134°.08 0°.3/16.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.57	+18 42.3	2.715	3.515	10.6	20.1
12 23	8 9.19	+18 58.4	2.639	3.526	8.0	19.9
1 2	8 2.16	+19 19.4	2.588	3.537	4.9	19.7
1 12	7 54.08	+19 42.9	2.567	3.547	1.6	19.5
1 22	7 45.65	+20 6.7	2.577	3.557	1.8	19.5
2 1	7 37.65	+20 28.5	2.618	3.566	5.0	19.8
2 11	7 30.82	+20 46.9	2.688	3.575	8.0	20.0
2 21	7 25.67	+21 1.2	2.784	3.584	10.6	20.2

404239 2013 EV_7 1 16.6 229°.12 1°.2/17.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 18.26	+16 41.7	1.755	2.567	15.1	22.0
12 23	8 12.93	+16 51.3	1.669	2.561	11.5	21.8
1 2	8 4.94	+17 10.6	1.606	2.555	7.3	21.5
1 12	7 55.07	+17 37.0	1.569	2.548	2.7	21.2
1 22	7 44.41	+18 6.8	1.561	2.541	2.7	21.2
2 1	7 34.30	+18 36.5	1.582	2.533	7.4	21.4
2 11	7 25.98	+19 3.0	1.630	2.526	11.7	21.7
2 21	7 20.30	+19 24.9	1.700	2.518	15.4	21.9

127566 2003 AL_6 1 16.6 42°.22 6°.0/20.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.13	− 1 11.0	1.518	2.283	19.2	18.7
12 23	8 11.38	+ 0 8.5	1.450	2.299	15.6	18.5
1 2	8 3.97	+ 2 2.0	1.401	2.316	11.5	18.3
1 12	7 54.74	+ 4 26.4	1.379	2.333	7.6	18.1
1 22	7 44.86	+ 7 13.1	1.385	2.350	6.0	18.0
2 1	7 35.68	+10 9.2	1.421	2.369	8.4	18.2
2 11	7 28.44	+13 1.5	1.486	2.387	12.2	18.5
2 21	7 23.91	+15 39.7	1.576	2.406	15.8	18.8

318920 2005 UC_{70} 1 16.6 108°.71 4°.9/14.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 23.91	+34 40.4	2.067	2.876	13.2	21.0
12 23	8 16.74	+35 14.0	2.007	2.892	10.2	20.9
1 2	8 7.00	+35 41.0	1.971	2.908	7.1	20.7
1 12	7 55.63	+35 55.5	1.963	2.924	5.0	20.6
1 22	7 43.88	+35 53.5	1.985	2.939	5.7	20.7
2 1	7 33.08	+35 34.2	2.036	2.954	8.3	20.9
2 11	7 24.35	+35 0.0	2.113	2.969	11.2	21.1
2 21	7 18.36	+34 15.0	2.213	2.983	13.9	21.3

47966 2000 SE_{261} 1 16.6 210°.49 17°.7/23.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.70	−15 40.9	1.371	2.062	24.1	19.9
12 23	8 13.89	−17 29.6	1.302	2.059	22.1	19.7
1 2	8 5.86	−18 42.5	1.246	2.055	20.1	19.5
1 12	7 55.44	−19 9.1	1.207	2.051	18.5	19.4
1 22	7 43.94	−18 43.3	1.188	2.046	17.7	19.4
2 1	7 33.01	−17 25.7	1.187	2.041	18.2	19.4
2 11	7 24.24	−15 25.0	1.207	2.036	19.7	19.4
2 21	7 18.69	−12 55.2	1.244	2.030	21.8	19.6

141051 2001 WW_{101} 1 16.6 140°.90 0°.2/16.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.03	+19 10.6	2.725	3.527	10.6	20.9
12 23	8 8.82	+19 26.2	2.646	3.534	7.9	20.7
1 2	8 1.96	+19 46.3	2.592	3.542	4.9	20.5
1 12	7 54.03	+20 8.9	2.568	3.548	1.6	20.3
1 22	7 45.74	+20 31.4	2.575	3.555	1.8	20.3
2 1	7 37.86	+20 51.7	2.613	3.561	5.0	20.6
2 11	7 31.13	+21 8.6	2.680	3.567	8.0	20.8
2 21	7 26.07	+21 21.2	2.772	3.573	10.6	20.9

295668 2008 TT_{63} 1 16.6 100°.86 0°.0/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.88	+19 55.9	2.183	2.994	12.5	21.4
12 23	8 10.55	+20 11.8	2.110	3.003	9.4	21.2
1 2	8 3.16	+20 33.0	2.061	3.012	5.8	21.0
1 12	7 54.44	+20 56.4	2.041	3.021	1.8	20.8
1 22	7 45.27	+21 19.1	2.050	3.030	2.2	20.8
2 1	7 36.67	+21 38.4	2.089	3.038	6.0	21.1
2 11	7 29.55	+21 52.9	2.157	3.047	9.5	21.3
2 21	7 24.54	+22 2.0	2.248	3.055	12.5	21.5

121051 1999 CG_{50} 1 16.6 321°.32 4°.4/15.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.49	+29 16.3	1.349	2.188	17.2	18.9
12 23	8 15.57	+29 50.5	1.274	2.180	13.2	18.6
1 2	8 7.01	+30 24.0	1.220	2.172	8.6	18.3
1 12	7 55.81	+30 48.9	1.190	2.164	4.8	18.1
1 22	7 43.59	+30 58.2	1.187	2.157	5.9	18.1
2 1	7 32.29	+30 48.6	1.209	2.150	10.4	18.3
2 11	7 23.65	+30 21.7	1.254	2.144	15.0	18.6
2 21	7 18.69	+29 41.6	1.320	2.138	19.0	18.8

197245 2003 WJ_{65} 1 16.6 75°.50 0°.4/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.40	+18 27.9	2.082	2.892	13.1	20.8
12 23	8 10.89	+18 43.9	2.021	2.913	9.8	20.6
1 2	8 3.33	+19 6.2	1.984	2.934	6.0	20.4
1 12	7 54.47	+19 32.0	1.975	2.954	2.0	20.2
1 22	7 45.27	+19 58.1	1.995	2.975	2.2	20.2
2 1	7 36.74	+20 21.7	2.046	2.996	6.1	20.5
2 11	7 29.78	+20 41.1	2.124	3.016	9.6	20.8
2 21	7 24.97	+20 55.4	2.226	3.036	12.5	21.0

224497 2005 WL_{20} 1 16.6 156°.00 1°.2/16.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.71	+23 11.9	2.047	2.863	13.1	21.1
12 23	8 12.15	+23 35.0	1.969	2.866	9.8	20.9
1 2	8 4.27	+24 1.4	1.916	2.868	6.0	20.7
1 12	7 54.82	+24 27.2	1.891	2.871	2.1	20.4
1 22	7 44.83	+24 48.5	1.895	2.873	2.8	20.5
2 1	7 35.43	+25 2.9	1.929	2.875	6.7	20.7
2 11	7 27.67	+25 9.2	1.991	2.877	10.4	21.0
2 21	7 22.25	+25 8.0	2.075	2.878	13.6	21.2

177724 2005 GZ_{223} 1 16.6 159°.84 4°.6/14.8 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 24.48	+34 7.3	2.192	2.997	12.7	20.1
12 23	8 17.16	+34 39.1	2.119	3.004	9.8	20.0
1 2	8 7.30	+35 5.3	2.072	3.010	6.8	19.8
1 12	7 55.77	+35 19.9	2.053	3.015	4.7	19.7
1 22	7 43.75	+35 19.0	2.064	3.020	5.4	19.7
2 1	7 32.53	+35 1.5	2.105	3.024	8.0	19.9
2 11	7 23.26	+34 29.2	2.173	3.028	11.0	20.1
2 21	7 16.64	+33 45.9	2.264	3.031	13.7	20.3

245065 2004 GV_{10} 1 16.6 23°.69 2°.9/15.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.45	+26 51.1	1.844	2.673	13.7	20.3
12 23	8 10.72	+27 32.2	1.777	2.679	10.3	20.0
1 2	8 3.49	+28 14.5	1.733	2.686	6.5	19.8
1 12	7 54.58	+28 52.6	1.717	2.693	3.2	19.6
1 22	7 45.13	+29 21.5	1.728	2.700	4.1	19.7
2 1	7 36.37	+29 38.2	1.768	2.708	7.7	20.0
2 11	7 29.44	+29 42.2	1.834	2.717	11.3	20.2
2 21	7 25.05	+29 35.0	1.922	2.725	14.5	20.4

195654 2002 NZ_{58} 1 16.6 146°.16 0°.5/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.06	+18 2.2	2.416	3.219	11.7	21.4
12 23	8 9.79	+18 21.5	2.336	3.225	8.8	21.2
1 2	8 2.66	+18 47.0	2.282	3.231	5.5	21.0
1 12	7 54.29	+19 16.2	2.257	3.236	1.9	20.7
1 22	7 45.48	+19 46.3	2.262	3.241	2.0	20.8
2 1	7 37.13	+20 14.5	2.297	3.246	5.6	21.0
2 11	7 30.07	+20 39.0	2.361	3.250	8.8	21.2
2 21	7 24.90	+20 58.6	2.450	3.255	11.7	21.4

117320 2004 VS_{64} 1 16.6 348°.18 1°.4/17.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.25	+16 20.7	1.776	2.594	14.7	19.7
12 23	8 9.84	+16 24.5	1.696	2.591	11.2	19.5
1 2	8 2.99	+16 37.8	1.638	2.587	7.1	19.3
1 12	7 54.46	+16 58.5	1.606	2.585	2.8	19.0
1 22	7 45.29	+17 23.5	1.603	2.582	2.7	19.0
2 1	7 36.67	+17 49.5	1.628	2.580	7.0	19.2
2 11	7 29.74	+18 13.7	1.678	2.579	11.1	19.5
2 21	7 25.26	+18 34.2	1.752	2.578	14.7	19.7

417034 2005 UM_{106} 1 16.6 129°.64 5°.1/13.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 21.21	+34 6.0	2.245	3.055	12.3	21.5
12 23	8 14.79	+35 15.9	2.183	3.068	9.5	21.4
1 2	8 5.90	+36 21.7	2.146	3.081	6.8	21.2
1 12	7 55.36	+37 16.3	2.138	3.094	5.1	21.1
1 22	7 44.27	+37 54.6	2.159	3.106	5.9	21.2
2 1	7 33.85	+38 14.0	2.209	3.117	8.4	21.4
2 11	7 25.22	+38 15.4	2.286	3.128	11.0	21.6
2 21	7 19.10	+38 1.9	2.385	3.139	13.4	21.7

87717 2000 SK_{38} 1 16.6 56°.91 2°.0/15.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.62	+24 37.8	1.771	2.597	14.4	19.6
12 23	8 12.37	+25 10.8	1.703	2.605	10.7	19.4
1 2	8 4.52	+25 46.8	1.660	2.613	6.6	19.2
1 12	7 54.93	+26 20.6	1.643	2.621	2.7	19.0
1 22	7 44.78	+26 47.3	1.654	2.630	3.5	19.0
2 1	7 35.38	+27 3.9	1.694	2.638	7.6	19.3
2 11	7 27.91	+27 9.6	1.760	2.647	11.5	19.5
2 21	7 23.09	+27 5.6	1.848	2.656	14.8	19.8

235699 2004 TP_5 1 16.6 103°.09 2°.8/17.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.36	+12 45.6	1.563	2.373	16.7	20.7
12 23	8 13.06	+12 50.4	1.494	2.382	12.9	20.5
1 2	8 5.01	+13 9.5	1.447	2.391	8.5	20.3
1 12	7 55.11	+13 40.9	1.425	2.399	4.1	20.0
1 22	7 44.58	+14 20.8	1.431	2.408	3.6	20.0
2 1	7 34.81	+15 4.6	1.465	2.416	7.8	20.3
2 11	7 27.04	+15 48.0	1.524	2.424	12.1	20.6
2 21	7 22.06	+16 27.8	1.607	2.432	15.8	20.8

313836 2004 CM_{84} 1 16.6 308°.38 1°.6/17.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.96	+15 1.5	1.600	2.420	15.9	20.7
12 23	8 10.75	+15 22.6	1.513	2.409	12.2	20.4
1 2	8 3.77	+15 57.3	1.448	2.398	7.8	20.2
1 12	7 54.78	+16 43.0	1.409	2.387	3.1	19.8
1 22	7 44.90	+17 34.9	1.397	2.377	2.9	19.8
2 1	7 35.51	+18 27.9	1.413	2.367	7.8	20.1
2 11	7 27.94	+19 17.4	1.455	2.357	12.4	20.3
2 21	7 23.12	+20 0.2	1.518	2.348	16.4	20.5

240888 2006 DK_{63} 1 16.6 274°.25 2°.2/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.44	+22 44.8	1.508	2.339	16.1	21.0
12 23	8 13.64	+23 43.2	1.429	2.334	12.2	20.7
1 2	8 5.69	+24 50.2	1.373	2.328	7.5	20.5
1 12	7 55.42	+25 58.6	1.343	2.322	3.0	20.2
1 22	7 44.15	+27 0.6	1.340	2.316	4.1	20.2
2 1	7 33.51	+27 49.9	1.365	2.310	9.0	20.5
2 11	7 25.04	+28 23.7	1.415	2.304	13.6	20.7
2 21	7 19.74	+28 42.5	1.485	2.298	17.5	21.0

493010 2014 SW_{212} 1 16.6 89°.56 4°.1/14.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 18.21	+28 3.5	1.891	2.715	13.7	20.9
12 23	8 12.90	+29 30.1	1.825	2.723	10.3	20.7
1 2	8 4.93	+30 58.8	1.783	2.731	6.8	20.5
1 12	7 55.11	+32 21.6	1.769	2.739	4.2	20.4
1 22	7 44.56	+33 31.1	1.785	2.747	5.3	20.5
2 1	7 34.64	+34 22.6	1.829	2.755	8.6	20.7
2 11	7 26.58	+34 54.9	1.900	2.763	12.0	20.9
2 21	7 21.19	+35 10.0	1.992	2.771	14.9	21.1

384164 2009 AH_{49} 1 16.6 292°.70 1°.5/17.2 18

12 13	8 14.66	+16 33.6	2.269	3.073	12.3	20.8
12 23	8 9.70	+16 20.3	2.174	3.062	9.4	20.5
1 2	8 2.73	+16 13.1	2.104	3.050	6.1	20.3
1 12	7 54.38	+16 11.0	2.062	3.039	2.6	20.1
1 22	7 45.46	+16 12.4	2.049	3.027	2.5	20.0
2 1	7 36.95	+16 15.7	2.066	3.016	6.0	20.2
2 11	7 29.75	+16 19.6	2.111	3.004	9.5	20.4
2 21	7 24.53	+16 22.8	2.180	2.993	12.6	20.6

465195 2007 HC_{42} 1 16.6 155°.48 7°.5/12.8 18

12 13	8 22.69	+41 16.3	2.153	2.955	13.0	21.3
12 23	8 16.31	+42 29.7	2.088	2.958	10.6	21.1
1 2	8 7.05	+43 33.8	2.047	2.961	8.5	21.0
1 12	7 55.79	+44 20.5	2.033	2.963	7.5	20.9
1 22	7 43.82	+44 44.1	2.047	2.965	8.2	21.0
2 1	7 32.64	+44 42.7	2.088	2.968	10.2	21.1
2 11	7 23.56	+44 18.5	2.153	2.969	12.6	21.3
2 21	7 17.41	+43 36.7	2.239	2.971	14.8	21.4

51652 2001 HH_{65} 1 16.6 162°.51 0°.6/16.3 18

12 13	8 19.31	+21 38.4	2.212	3.019	12.5	20.1
12 23	8 13.16	+21 58.6	2.133	3.025	9.4	19.9
1 2	8 4.82	+22 22.8	2.080	3.030	5.8	19.7
1 12	7 55.03	+22 47.4	2.055	3.035	1.9	19.4
1 22	7 44.74	+23 9.2	2.061	3.039	2.4	19.5
2 1	7 35.01	+23 25.6	2.097	3.043	6.3	19.7
2 11	7 26.83	+23 35.4	2.162	3.046	9.8	19.9
2 21	7 20.85	+23 39.0	2.250	3.048	12.8	20.1

50773 2000 FG_{12} 1 16.6 294°.47 8°.2/12.7 18

12 13	8 21.42	+38 6.6	1.672	2.495	15.2	18.1
12 23	8 16.19	+39 34.7	1.596	2.483	12.3	17.9
1 2	8 7.43	+40 56.9	1.543	2.471	9.6	17.7
1 12	7 56.02	+42 2.4	1.516	2.460	8.2	17.6
1 22	7 43.47	+42 42.3	1.515	2.448	9.3	17.7
2 1	7 31.63	+42 52.4	1.539	2.437	12.0	17.8
2 11	7 22.27	+42 34.6	1.587	2.426	15.2	18.0
2 21	7 16.47	+41 54.7	1.653	2.415	18.2	18.1

234878 2002 TF_{30} 1 16.6 51°.70 5°.8/19.3 18

12 13	8 13.51	+ 4 19.4	2.022	2.795	14.7	19.7
12 23	8 8.80	+ 3 50.4	1.954	2.808	12.0	19.5
1 2	8 2.12	+ 3 37.6	1.908	2.822	9.0	19.4
1 12	7 54.16	+ 3 42.0	1.888	2.836	6.5	19.2
1 22	7 45.79	+ 4 2.6	1.895	2.850	5.9	19.2
2 1	7 37.99	+ 4 36.7	1.931	2.864	7.7	19.4
2 11	7 31.63	+ 5 20.3	1.992	2.879	10.4	19.6
2 21	7 27.30	+ 6 8.7	2.078	2.894	13.1	19.8

122814 2000 SN_{103} 1 16.6 175°.79 0°.3/16.7 18

12 13	8 20.41	+19 1.2	1.949	2.756	14.0	20.8
12 23	8 14.25	+19 14.2	1.868	2.758	10.6	20.6
1 2	8 5.62	+19 33.6	1.811	2.760	6.5	20.4
1 12	7 55.32	+19 56.5	1.782	2.762	2.2	20.1
1 22	7 44.40	+20 19.3	1.783	2.762	2.4	20.1
2 1	7 34.08	+20 39.1	1.814	2.762	6.8	20.4
2 11	7 25.49	+20 54.1	1.872	2.762	10.8	20.6
2 21	7 19.37	+21 3.8	1.954	2.761	14.2	20.9

9412 1995 GZ_{8} 1 16.6 92°.89 2°.3/17.5 18

12 13	8 17.98	+13 49.2	1.568	2.381	16.5	17.6
12 23	8 12.79	+13 59.4	1.499	2.389	12.7	17.4
1 2	8 4.87	+14 23.1	1.451	2.398	8.2	17.2
1 12	7 55.10	+14 57.8	1.430	2.406	3.7	16.9
1 22	7 44.68	+15 39.5	1.436	2.414	3.3	16.9
2 1	7 35.02	+16 23.3	1.470	2.422	7.7	17.2
2 11	7 27.35	+17 5.3	1.530	2.430	12.0	17.5
2 21	7 22.46	+17 42.6	1.612	2.438	15.8	17.7

158348 2001 XC_{83} 1 16.6 78°.11 1°.2/17.0 17

12 13	8 21.13	+16 16.2	1.438	2.257	17.5	20.5
12 23	8 15.14	+16 34.6	1.385	2.281	13.2	20.3
1 2	8 6.24	+17 4.6	1.354	2.305	8.2	20.0
1 12	7 55.50	+17 42.2	1.349	2.328	3.0	19.8
1 22	7 44.30	+18 22.2	1.372	2.352	2.9	19.8
2 1	7 34.17	+19 0.0	1.422	2.375	7.9	20.2
2 11	7 26.36	+19 32.4	1.498	2.397	12.3	20.5
2 21	7 21.57	+19 58.1	1.596	2.420	16.0	20.8

194694 2001 XF_{227} 1 16.6 71°.78 2°.9/15.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 21.07	+25 9.8	1.396	2.230	17.0	20.7
12 23	8 15.53	+25 58.7	1.338	2.243	12.8	20.4
1 2	8 6.71	+26 51.3	1.302	2.257	7.9	20.2
1 12	7 55.70	+27 39.9	1.293	2.270	3.5	20.0
1 22	7 44.04	+28 17.5	1.310	2.284	4.6	20.1
2 1	7 33.44	+28 39.9	1.354	2.297	9.2	20.4
2 11	7 25.36	+28 47.0	1.422	2.311	13.6	20.7
2 21	7 20.62	+28 41.0	1.511	2.325	17.2	20.9

209653 2005 CT_{10} 1 16.6 355°.21 3°.7/15.5 18

12 13	8 16.74	+26 54.4	1.224	2.075	17.9	19.6
12 23	8 12.89	+27 29.2	1.157	2.070	13.6	19.3
1 2	8 5.42	+28 6.3	1.110	2.066	8.7	19.0
1 12	7 55.37	+28 38.1	1.087	2.064	4.2	18.7
1 22	7 44.38	+28 57.6	1.088	2.063	5.3	18.8
2 1	7 34.37	+29 0.6	1.115	2.062	10.2	19.1
2 11	7 27.05	+28 47.5	1.164	2.063	15.1	19.3
2 21	7 23.39	+28 21.4	1.232	2.065	19.3	19.6

235657 2004 RJ_{172} 1 16.6 93°.27 3°.4/15.5 18

12 13	8 25.07	+27 56.8	1.618	2.438	15.7	20.1
12 23	8 18.01	+28 35.1	1.566	2.463	11.8	19.9
1 2	8 7.96	+29 12.3	1.537	2.487	7.5	19.8
1 12	7 56.06	+29 41.6	1.535	2.510	3.8	19.6
1 22	7 43.75	+29 57.9	1.563	2.533	4.7	19.7
2 1	7 32.60	+29 59.2	1.618	2.556	8.5	20.0
2 11	7 23.88	+29 46.8	1.699	2.578	12.3	20.2
2 21	7 18.28	+29 23.9	1.803	2.599	15.6	20.5

40430 1999 RL_{28} 1 16.6 259°.23 8°.4/20.5 17

12 13	8 17.67	− 4 43.1	2.264	2.974	15.1	21.1
12 23	8 12.18	− 5 7.6	2.144	2.944	13.1	20.9
1 2	8 4.47	− 5 11.5	2.046	2.913	10.9	20.7
1 12	7 55.05	− 4 51.3	1.972	2.881	9.0	20.5
1 22	7 44.71	− 4 5.9	1.926	2.848	8.4	20.4
2 1	7 34.45	− 2 57.0	1.908	2.813	9.6	20.4
2 11	7 25.33	− 1 29.6	1.917	2.778	12.0	20.5
2 21	7 18.18	+ 0 9.7	1.952	2.741	14.8	20.6

244230 2002 CO_{20} 1 16.6 304°.14 4°.4/18.0 18

12 13	8 16.81	+10 44.5	1.508	2.317	17.3	20.3
12 23	8 12.15	+10 23.1	1.427	2.312	13.6	20.1
1 2	8 4.64	+10 17.0	1.367	2.306	9.4	19.8
1 12	7 55.10	+10 26.2	1.332	2.302	5.4	19.6
1 22	7 44.74	+10 49.0	1.324	2.297	4.9	19.5
2 1	7 34.98	+11 21.9	1.342	2.292	8.6	19.7
2 11	7 27.19	+12 0.4	1.386	2.288	12.9	20.0
2 21	7 22.24	+12 40.2	1.451	2.283	16.9	20.2

82080 2001 BH_{5} 1 16.6 133°.95 4°.3/19.1 18

12 13	8 21.68	+ 3 4.8	1.233	2.023	21.4	19.6
12 23	8 16.42	+ 4 42.1	1.157	2.029	17.1	19.4
1 2	8 7.61	+ 6 58.9	1.102	2.035	11.9	19.1
1 12	7 56.14	+ 9 50.4	1.072	2.041	6.4	18.8
1 22	7 43.47	+13 3.5	1.070	2.046	4.8	18.7
2 1	7 31.49	+16 20.2	1.098	2.051	9.5	19.0
2 11	7 21.96	+19 23.7	1.153	2.056	14.8	19.3
2 21	7 16.02	+22 3.5	1.230	2.060	19.5	19.6

54316 2000 JV_{75} 1 16.6 96°.95 5°.9/18.9 18

12 13	8 18.34	+ 5 17.5	1.949	2.719	15.3	18.6
12 23	8 12.40	+ 4 34.0	1.884	2.738	12.4	18.4
1 2	8 4.32	+ 4 6.0	1.842	2.757	9.2	18.2
1 12	7 54.89	+ 3 54.8	1.827	2.776	6.6	18.1
1 22	7 45.09	+ 3 59.8	1.839	2.794	6.0	18.1
2 1	7 35.96	+ 4 18.9	1.880	2.812	8.0	18.3
2 11	7 28.46	+ 4 48.5	1.948	2.830	10.8	18.5
2 21	7 23.18	+ 5 24.2	2.040	2.847	13.6	18.7

427517 2002 GK_{4} 1 16.6 245°.99 19°.6/ 8.2 16

12 13	8 43.65	+57 11.3	1.182	1.964	22.6	20.4
12 23	8 37.30	+59 48.7	1.138	1.959	20.9	20.3
1 2	8 22.76	+61 58.1	1.111	1.954	19.8	20.2
1 12	8 1.39	+63 16.2	1.102	1.949	19.6	20.1
1 22	7 37.36	+63 26.8	1.111	1.943	20.6	20.2
2 1	7 16.38	+62 29.2	1.137	1.938	22.3	20.3
2 11	7 2.57	+60 38.1	1.178	1.932	24.4	20.4
2 21	6 56.91	+58 13.2	1.232	1.926	26.4	20.6

489013 2005 VD_{114} 1 16.6 78°.54 6°.1/14.2 17

12 13	8 23.82	+31 2.8	1.372	2.205	17.3	21.2
12 23	8 17.85	+32 30.4	1.322	2.223	13.2	21.0
1 2	8 8.27	+33 55.7	1.295	2.241	9.0	20.8
1 12	7 56.25	+35 7.6	1.293	2.259	6.2	20.7
1 22	7 43.51	+35 57.0	1.318	2.277	7.4	20.8
2 1	7 32.00	+36 20.0	1.370	2.294	11.0	21.1
2 11	7 23.33	+36 18.8	1.444	2.312	14.8	21.3
2 21	7 18.35	+35 58.8	1.539	2.329	18.1	21.6

378750 2008 RD_{94} 1 16.6 162°.94 3°.9/14.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 19.48	+32 27.4	2.473	3.281	11.3	21.7
12 23	8 13.27	+33 6.4	2.398	3.286	8.7	21.6
1 2	8 4.90	+33 41.9	2.349	3.290	5.9	21.4
1 12	7 55.10	+34 9.0	2.329	3.293	4.0	21.3
1 22	7 44.82	+34 24.1	2.339	3.296	4.7	21.3
2 1	7 35.12	+34 25.2	2.378	3.299	7.2	21.5
2 11	7 26.97	+34 13.1	2.445	3.301	9.9	21.7
2 21	7 21.02	+33 49.9	2.536	3.303	12.4	21.9

341472 2007 TD_{330} 1 16.6 14°.03 2°.8/15.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.70	+27 33.2	1.941	2.767	13.3	20.3
12 23	8 10.85	+28 2.2	1.869	2.770	10.0	20.1
1 2	8 3.58	+28 31.3	1.821	2.773	6.3	19.9
1 12	7 54.71	+28 55.6	1.801	2.777	3.2	19.7
1 22	7 45.30	+29 11.1	1.809	2.781	4.0	19.8
2 1	7 36.56	+29 15.3	1.846	2.786	7.5	20.0
2 11	7 29.57	+29 8.3	1.908	2.791	11.0	20.2
2 21	7 25.03	+28 51.6	1.994	2.796	14.0	20.4

461033 2014 WW_{489} 1 16.6 321°.33 7°.9/20.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.00	+ 0 37.4	1.744	2.514	16.9	20.8
12 23	8 8.27	+ 0 7.4	1.653	2.500	14.2	20.6
1 2	8 2.16	− 0 0.9	1.583	2.486	11.2	20.4
1 12	7 54.31	+ 0 15.2	1.535	2.473	8.7	20.2
1 22	7 45.69	+ 0 55.8	1.513	2.461	7.9	20.1
2 1	7 37.45	+ 1 57.9	1.518	2.449	9.6	20.2
2 11	7 30.72	+ 3 15.4	1.547	2.437	12.6	20.3
2 21	7 26.34	+ 4 41.0	1.599	2.426	15.8	20.5

295815 2008 UE_{330} 1 16.6 108°.33 1°.0/17.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.14	+17 10.7	2.167	2.974	12.7	21.4
12 23	8 10.09	+17 16.5	2.086	2.976	9.6	21.2
1 2	8 2.99	+17 29.3	2.030	2.979	6.1	21.0
1 12	7 54.51	+17 47.2	2.002	2.981	2.3	20.7
1 22	7 45.54	+18 7.4	2.003	2.983	2.2	20.7
2 1	7 37.07	+18 27.5	2.034	2.985	6.0	21.0
2 11	7 30.03	+18 45.6	2.093	2.987	9.6	21.2
2 21	7 25.05	+19 0.2	2.176	2.989	12.7	21.4

83876 2001 UD_{96} 1 16.6 200°.46 0°.7/16.2 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.52	+21 55.9	2.759	3.565	10.4	20.7
12 23	8 9.31	+22 19.8	2.671	3.562	7.7	20.5
1 2	8 2.39	+22 47.1	2.608	3.559	4.7	20.3
1 12	7 54.31	+23 15.0	2.575	3.555	1.6	20.1
1 22	7 45.77	+23 40.7	2.573	3.551	2.1	20.1
2 1	7 37.60	+24 1.9	2.602	3.547	5.3	20.4
2 11	7 30.55	+24 17.5	2.660	3.542	8.2	20.5
2 21	7 25.21	+24 27.0	2.743	3.537	10.8	20.7

350675 2001 UX_{128} 1 16.6 90°.60 1°.3/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 24.19	+21 58.4	1.562	2.380	16.3	21.7
12 23	8 17.29	+22 35.8	1.512	2.409	12.1	21.5
1 2	8 7.51	+23 18.4	1.485	2.437	7.4	21.3
1 12	7 55.94	+24 0.1	1.485	2.464	2.5	21.1
1 22	7 43.97	+24 35.4	1.513	2.491	3.3	21.2
2 1	7 33.12	+25 0.6	1.571	2.518	7.9	21.5
2 11	7 24.63	+25 15.1	1.655	2.543	12.0	21.8
2 21	7 19.16	+25 20.0	1.761	2.568	15.4	22.1

31217 1998 BD_{15} 1 16.6 343°.35 0°.6/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.63	+24 7.9	1.640	2.465	15.4	17.5
12 23	8 14.85	+23 42.5	1.560	2.460	11.6	17.2
1 2	8 6.19	+23 17.0	1.503	2.456	7.2	17.0
1 12	7 55.58	+22 48.9	1.472	2.453	2.3	16.7
1 22	7 44.32	+22 16.2	1.470	2.450	2.9	16.7
2 1	7 33.89	+21 38.9	1.496	2.447	7.8	17.0
2 11	7 25.57	+20 58.2	1.548	2.445	12.2	17.2
2 21	7 20.18	+20 16.1	1.623	2.443	16.0	17.5

384162 2009 AP_{43} 1 16.6 288°.59 2°.3/18.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.50	+10 36.0	2.313	3.104	12.6	21.1
12 23	8 8.11	+11 10.7	2.219	3.096	9.8	20.9
1 2	8 1.81	+11 58.8	2.149	3.088	6.5	20.7
1 12	7 54.16	+12 58.6	2.108	3.080	3.3	20.5
1 22	7 45.93	+14 6.4	2.096	3.072	2.8	20.4
2 1	7 38.01	+15 18.0	2.114	3.064	5.9	20.6
2 11	7 31.28	+16 28.9	2.161	3.056	9.3	20.8
2 21	7 26.39	+17 35.5	2.233	3.048	12.3	21.0

398365 2011 SL_{84} 1 16.6 158°.52 0°.6/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.52	+17 56.3	1.984	2.788	13.9	22.2
12 23	8 14.25	+18 9.9	1.907	2.795	10.5	22.0
1 2	8 5.61	+18 30.7	1.854	2.802	6.5	21.8
1 12	7 55.37	+18 55.9	1.829	2.808	2.3	21.5
1 22	7 44.58	+19 21.9	1.834	2.814	2.4	21.5
2 1	7 34.41	+19 45.8	1.870	2.819	6.6	21.8
2 11	7 25.93	+20 5.6	1.933	2.823	10.5	22.1
2 21	7 19.87	+20 20.4	2.020	2.826	13.8	22.3

490653 2010 FT_{99} 1 16.6 218°.76 0°.5/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 19.75	+18 3.6	1.992	2.797	13.8	22.8
12 23	8 13.89	+18 23.9	1.898	2.788	10.5	22.6
1 2	8 5.55	+18 52.3	1.829	2.778	6.6	22.3
1 12	7 55.41	+19 25.6	1.788	2.767	2.2	22.0
1 22	7 44.50	+20 0.1	1.776	2.756	2.4	22.0
2 1	7 34.01	+20 32.2	1.795	2.744	6.8	22.3
2 11	7 25.12	+20 59.2	1.841	2.731	10.9	22.5
2 21	7 18.65	+21 20.1	1.911	2.717	14.4	22.7

236688 2006 SF_{65} 1 16.6 224°.64 0°.0/16.5 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.11	+19 46.9	2.665	3.469	10.7	21.4
12 23	8 9.07	+20 4.2	2.573	3.463	8.0	21.2
1 2	8 2.28	+20 26.3	2.506	3.456	5.0	21.0
1 12	7 54.30	+20 50.6	2.469	3.449	1.6	20.8
1 22	7 45.84	+21 14.6	2.463	3.442	1.9	20.8
2 1	7 37.73	+21 36.1	2.487	3.435	5.3	21.0
2 11	7 30.76	+21 53.5	2.540	3.427	8.4	21.2
2 21	7 25.50	+22 6.1	2.618	3.420	11.1	21.4

103325 2000 AC_{67} 1 16.6 46°.94 0°.8/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 22.95	+23 22.8	1.247	2.084	18.5	19.9
12 23	8 17.17	+23 9.2	1.185	2.091	14.0	19.7
1 2	8 7.83	+22 58.3	1.144	2.099	8.6	19.4
1 12	7 56.14	+22 46.1	1.127	2.108	2.8	19.1
1 22	7 43.78	+22 29.2	1.137	2.116	3.4	19.1
2 1	7 32.66	+22 6.5	1.173	2.125	9.1	19.5
2 11	7 24.32	+21 38.9	1.232	2.135	14.1	19.8
2 21	7 19.58	+21 8.2	1.313	2.144	18.3	20.1

363137 2001 QM_{221} 1 16.6 218°.39 4°.0/18.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.08	+ 6 52.6	2.352	3.120	13.0	21.2
12 23	8 10.73	+ 6 56.6	2.252	3.110	10.4	21.0
1 2	8 3.41	+ 7 14.7	2.177	3.100	7.5	20.8
1 12	7 54.70	+ 7 46.5	2.129	3.089	4.8	20.6
1 22	7 45.36	+ 8 30.3	2.111	3.077	4.2	20.5
2 1	7 36.32	+ 9 22.9	2.124	3.065	6.5	20.7
2 11	7 28.49	+10 20.4	2.165	3.052	9.6	20.8
2 21	7 22.54	+11 18.9	2.231	3.038	12.6	21.0

22127 2000 SZ_{226} 1 16.6 74°.67 1°.3/17.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.17	+14 27.0	1.870	2.677	14.5	18.6
12 23	8 11.03	+15 4.2	1.806	2.695	11.0	18.4
1 2	8 3.62	+15 53.2	1.766	2.713	6.9	18.2
1 12	7 54.74	+16 50.3	1.754	2.731	2.7	18.0
1 22	7 45.39	+17 50.8	1.770	2.750	2.5	18.0
2 1	7 36.70	+18 49.8	1.816	2.768	6.5	18.3
2 11	7 29.67	+19 43.4	1.890	2.786	10.3	18.6
2 21	7 24.98	+20 29.5	1.987	2.803	13.6	18.8

256287 2006 WN_{120} 1 16.6 101°.85 0°.5/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.58	+20 47.1	1.841	2.657	14.3	20.9
12 23	8 12.95	+21 11.1	1.772	2.669	10.7	20.6
1 2	8 4.87	+21 40.8	1.728	2.680	6.5	20.4
1 12	7 55.15	+22 12.2	1.711	2.691	2.1	20.2
1 22	7 44.91	+22 41.2	1.723	2.702	2.6	20.2
2 1	7 35.39	+23 4.4	1.764	2.712	7.0	20.5
2 11	7 27.69	+23 20.4	1.832	2.723	10.9	20.8
2 21	7 22.51	+23 29.1	1.923	2.733	14.2	21.0

130661 2000 SG_{103} 1 16.6 46°.54 0°.4/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.46	+20 30.2	1.251	2.089	18.4	19.5
12 23	8 14.38	+20 47.1	1.199	2.106	13.8	19.3
1 2	8 6.02	+21 12.1	1.168	2.124	8.4	19.1
1 12	7 55.54	+21 40.1	1.162	2.143	2.7	18.8
1 22	7 44.52	+22 5.5	1.182	2.162	3.2	18.9
2 1	7 34.68	+22 24.5	1.228	2.181	8.7	19.2
2 11	7 27.44	+22 35.3	1.297	2.201	13.5	19.6
2 21	7 23.54	+22 38.2	1.388	2.221	17.4	19.9

110354 2001 SO_{315} 1 16.6 99°.86 3°.8/15.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 24.10	+31 32.8	2.000	2.811	13.5	19.6
12 23	8 16.89	+31 55.3	1.941	2.831	10.2	19.5
1 2	8 7.14	+32 13.3	1.907	2.851	6.8	19.3
1 12	7 55.84	+32 21.3	1.901	2.870	4.1	19.2
1 22	7 44.20	+32 16.1	1.925	2.889	4.7	19.2
2 1	7 33.54	+31 56.7	1.978	2.908	7.8	19.5
2 11	7 24.94	+31 25.2	2.058	2.926	11.0	19.7
2 21	7 19.03	+30 45.0	2.161	2.944	13.8	19.9

445570 2011 QA_{33} 1 16.6 67°.12 1°.2/17.0 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.97	+16 20.0	1.403	2.225	17.6	21.7
12 23	8 14.39	+16 40.5	1.350	2.248	13.3	21.5
1 2	8 5.88	+17 13.1	1.319	2.270	8.3	21.3
1 12	7 55.48	+17 53.4	1.314	2.293	3.0	21.0
1 22	7 44.62	+18 36.1	1.335	2.315	2.9	21.1
2 1	7 34.80	+19 16.3	1.385	2.338	7.9	21.4
2 11	7 27.30	+19 50.7	1.459	2.360	12.4	21.7
2 21	7 22.83	+20 17.8	1.556	2.383	16.2	22.0

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
219762 2001 YJ_{79}			1 16.6	89°.60	2°.2/15.6	18
	h m	° ′			°	m
12 13	8 17.78	+24 15.8	1.892	2.713	13.8	20.4
12 23	8 12.43	+25 5.4	1.824	2.723	10.3	20.2
1 2	8 4.59	+25 58.7	1.781	2.733	6.4	20.0
1 12	7 55.09	+26 50.1	1.766	2.744	2.7	19.8
1 22	7 45.02	+27 34.3	1.779	2.754	3.6	19.9
2 1	7 35.62	+28 7.4	1.822	2.763	7.4	20.1
2 11	7 28.01	+28 28.3	1.891	2.773	11.1	20.4
2 21	7 22.92	+28 37.6	1.983	2.783	14.2	20.6
466235 2012 VG_{50}			1 16.6	163°.16	0°.3/16.8	17
12 13	8 13.71	+18 33.8	2.836	3.636	10.3	22.1
12 23	8 8.62	+18 53.4	2.752	3.639	7.7	22.0
1 2	8 1.93	+19 17.9	2.695	3.643	4.8	21.8
1 12	7 54.19	+19 45.3	2.667	3.646	1.6	21.5
1 22	7 46.07	+20 13.0	2.670	3.649	1.7	21.6
2 1	7 38.32	+20 38.9	2.704	3.652	4.9	21.8
2 11	7 31.63	+21 1.4	2.767	3.654	7.8	22.0
2 21	7 26.54	+21 19.5	2.856	3.656	10.3	22.2
415920 2001 UB_{157}			1 16.6	80°.73	6°.7/19.7	18
12 13	8 18.17	+ 2 20.0	1.912	2.670	16.0	21.5
12 23	8 12.25	+ 1 42.5	1.856	2.698	13.0	21.4
1 2	8 4.23	+ 1 23.7	1.822	2.727	10.0	21.2
1 12	7 54.91	+ 1 24.6	1.814	2.754	7.4	21.1
1 22	7 45.30	+ 1 44.4	1.834	2.782	6.8	21.1
2 1	7 36.42	+ 2 20.0	1.882	2.808	8.4	21.3
2 11	7 29.20	+ 3 6.6	1.956	2.835	10.9	21.5
2 21	7 24.21	+ 3 58.9	2.054	2.861	13.5	21.7
132123 2002 CT_{237}			1 16.6	21°.56	2°.2/17.5	18
12 13	8 12.02	+13 16.7	0.962	1.816	21.4	18.0
12 23	8 9.46	+13 50.7	0.916	1.828	16.3	17.7
1 2	8 3.31	+14 47.2	0.887	1.842	10.4	17.4
1 12	7 54.76	+16 0.8	0.880	1.858	4.3	17.1
1 22	7 45.49	+17 22.5	0.896	1.876	3.7	17.2
2 1	7 37.40	+18 42.4	0.935	1.896	9.5	17.6
2 11	7 32.08	+19 52.8	0.997	1.917	14.9	17.9
2 21	7 30.33	+20 49.5	1.078	1.939	19.3	18.3
109953 2001 SA_{47}			1 16.6	159°.21	3°.6/14.6	18
12 13	8 17.01	+31 27.2	2.560	3.371	10.9	19.9
12 23	8 11.41	+32 11.2	2.484	3.374	8.3	19.7
1 2	8 3.79	+32 53.0	2.434	3.377	5.6	19.5
1 12	7 54.82	+33 27.7	2.414	3.379	3.7	19.4
1 22	7 45.37	+33 51.7	2.423	3.382	4.4	19.5
2 1	7 36.41	+34 2.8	2.461	3.384	6.9	19.6
2 11	7 28.86	+34 1.1	2.527	3.386	9.5	19.8
2 21	7 23.35	+33 48.2	2.617	3.388	11.9	20.0
80097 1999 LD_{35}			1 16.6	243°.66	0°.5/16.3	18
12 13	8 13.72	+20 10.2	2.430	3.240	11.4	19.8
12 23	8 8.98	+20 51.3	2.344	3.237	8.6	19.6
1 2	8 2.33	+21 38.4	2.283	3.234	5.2	19.4
1 12	7 54.37	+22 28.2	2.251	3.231	1.7	19.1
1 22	7 45.87	+23 16.7	2.249	3.228	2.2	19.2
2 1	7 37.74	+24 0.5	2.278	3.224	5.8	19.4
2 11	7 30.84	+24 37.3	2.334	3.221	9.1	19.6
2 21	7 25.82	+25 6.1	2.416	3.217	11.9	19.8
168918 2000 YX_{44}			1 16.6	344°.67	0°.8/16.8	18
12 13	8 15.51	+18 47.0	1.273	2.113	18.0	19.6
12 23	8 11.75	+18 45.9	1.198	2.105	13.7	19.3
1 2	8 4.68	+18 54.6	1.143	2.098	8.6	19.0
1 12	7 55.24	+19 9.9	1.112	2.092	3.0	18.6
1 22	7 44.85	+19 27.8	1.106	2.087	3.2	18.6
2 1	7 35.23	+19 44.3	1.126	2.083	8.9	19.0
2 11	7 27.97	+19 56.7	1.170	2.079	14.1	19.2
2 21	7 24.04	+20 3.7	1.233	2.077	18.5	19.5
337563 2001 SD_{274}			1 16.6	182°.90	3°.6/14.9	18
12 13	8 17.42	+31 17.9	2.426	3.239	11.4	21.2
12 23	8 11.81	+31 53.3	2.348	3.239	8.7	21.0
1 2	8 4.08	+32 26.1	2.296	3.239	5.8	20.8
1 12	7 54.92	+32 51.7	2.272	3.239	3.7	20.7
1 22	7 45.27	+33 6.4	2.277	3.239	4.4	20.7
2 1	7 36.15	+33 8.4	2.312	3.239	7.0	20.9
2 11	7 28.53	+32 57.9	2.375	3.238	9.9	21.1
2 21	7 23.05	+32 36.9	2.461	3.238	12.4	21.2
299489 2006 BD_{194}			1 16.6	237°.95	2°.8/17.7	18
12 13	8 17.72	+12 38.4	1.659	2.466	16.0	21.2
12 23	8 12.72	+12 45.8	1.573	2.459	12.5	21.0
1 2	8 5.00	+13 7.5	1.509	2.452	8.3	20.7
1 12	7 55.31	+13 41.8	1.471	2.445	4.0	20.4
1 22	7 44.77	+14 25.2	1.460	2.437	3.5	20.4
2 1	7 34.74	+15 13.2	1.478	2.430	7.7	20.6
2 11	7 26.52	+16 1.2	1.522	2.422	12.1	20.9
2 21	7 21.00	+16 45.9	1.589	2.413	16.0	21.1

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
431601 2007 VJ_{202}			1 16.6	82°.20	2°.3/15.5	18
	h m	° ′			°	m
12 13	8 17.13	+27 15.5	2.347	3.161	11.7	21.3
12 23	8 11.43	+27 42.8	2.283	3.178	8.7	21.1
1 2	8 3.74	+28 9.7	2.245	3.194	5.5	20.9
1 12	7 54.79	+28 32.2	2.235	3.211	2.6	20.8
1 22	7 45.48	+28 47.2	2.255	3.227	3.3	20.8
2 1	7 36.81	+28 52.8	2.305	3.243	6.3	21.1
2 11	7 29.64	+28 49.1	2.383	3.259	9.3	21.3
2 21	7 24.57	+28 37.3	2.485	3.275	12.0	21.5
327288 2005 TE_{64}			1 16.6	47°.60	5°.8/19.1	18
12 13	8 14.88	+ 5 40.8	1.714	2.501	16.4	20.3
12 23	8 10.24	+ 5 15.3	1.645	2.510	13.2	20.1
1 2	8 3.25	+ 5 7.7	1.596	2.519	9.7	20.0
1 12	7 54.68	+ 5 19.0	1.573	2.528	6.7	19.8
1 22	7 45.59	+ 5 47.8	1.577	2.538	6.0	19.8
2 1	7 37.13	+ 6 30.4	1.607	2.548	8.3	19.9
2 11	7 30.37	+ 7 21.9	1.664	2.558	11.6	20.2
2 21	7 26.01	+ 8 17.0	1.744	2.569	14.8	20.4
127837 2003 FP_{107}			1 16.6	293°.76	4°.2/18.2	18
12 13	8 16.14	+ 9 56.1	1.464	2.274	17.6	19.8
12 23	8 11.84	+ 9 55.8	1.381	2.266	13.9	19.6
1 2	8 4.61	+10 13.9	1.317	2.257	9.6	19.3
1 12	7 55.22	+10 50.0	1.279	2.249	5.4	19.0
1 22	7 44.89	+11 40.8	1.266	2.240	4.7	19.0
2 1	7 35.09	+12 41.2	1.280	2.232	8.6	19.2
2 11	7 27.25	+13 44.8	1.320	2.224	13.2	19.4
2 21	7 22.34	+14 46.3	1.381	2.217	17.4	19.6
92614 Kazutami			1 16.6	103°.05	1°.1/16.2	18
12 13	8 22.72	+22 36.9	1.682	2.499	15.4	19.6
12 23	8 16.16	+22 59.5	1.622	2.519	11.5	19.4
1 2	8 6.87	+23 26.2	1.586	2.538	7.0	19.1
1 12	7 55.83	+23 51.9	1.577	2.557	2.4	18.9
1 22	7 44.32	+24 12.4	1.597	2.575	3.0	19.0
2 1	7 33.77	+24 24.7	1.646	2.593	7.5	19.3
2 11	7 25.37	+24 28.4	1.721	2.610	11.6	19.6
2 21	7 19.82	+24 24.5	1.819	2.627	15.0	19.8
208387 2001 SJ_{132}			1 16.6	184°.15	3°.2/15.1	18
12 13	8 17.73	+30 45.8	2.533	3.344	11.0	20.5
12 23	8 11.94	+31 13.6	2.453	3.344	8.4	20.3
1 2	8 4.11	+31 38.9	2.399	3.344	5.5	20.2
1 12	7 54.94	+31 57.6	2.374	3.343	3.4	20.0
1 22	7 45.30	+32 6.4	2.379	3.343	4.0	20.1
2 1	7 36.19	+32 3.7	2.413	3.342	6.6	20.2
2 11	7 28.51	+31 49.9	2.475	3.341	9.5	20.4
2 21	7 22.89	+31 26.7	2.562	3.340	12.0	20.6
123124 2000 TZ_{5}			1 16.6	259°.65	1°.2/17.0	18
12 13	8 18.93	+16 57.1	1.709	2.522	15.4	20.1
12 23	8 13.72	+17 3.9	1.613	2.506	11.8	19.8
1 2	8 5.70	+17 20.5	1.540	2.489	7.5	19.6
1 12	7 55.57	+17 44.3	1.494	2.473	2.8	19.2
1 22	7 44.48	+18 11.8	1.476	2.455	2.8	19.2
2 1	7 33.81	+18 39.3	1.486	2.438	7.7	19.4
2 11	7 24.94	+19 3.8	1.523	2.420	12.3	19.7
2 21	7 18.82	+19 23.8	1.582	2.402	16.3	19.9
352752 2008 TP_{121}			1 16.6	37°.57	7°.3/14.5	18
12 13	8 22.73	+33 59.7	1.213	2.055	18.5	20.6
12 23	8 17.55	+35 5.3	1.161	2.065	14.4	20.4
1 2	8 8.34	+36 4.7	1.130	2.075	10.2	20.2
1 12	7 56.40	+36 46.3	1.123	2.086	7.5	20.1
1 22	7 43.69	+37 2.0	1.140	2.097	8.5	20.2
2 1	7 32.40	+36 49.4	1.181	2.109	12.1	20.4
2 11	7 24.29	+36 12.6	1.245	2.121	16.1	20.7
2 21	7 20.22	+35 18.9	1.328	2.134	19.6	20.9
108251 2001 HM_{47}			1 16.6	147°.23	2°.6/17.9	18
12 13	8 18.21	+11 40.2	2.452	3.231	12.3	20.6
12 23	8 12.07	+11 38.2	2.375	3.244	9.5	20.5
1 2	8 4.10	+11 45.8	2.322	3.257	6.4	20.3
1 12	7 54.94	+12 1.7	2.299	3.268	3.4	20.1
1 22	7 45.39	+12 24.1	2.306	3.279	3.0	20.1
2 1	7 36.33	+12 50.7	2.344	3.289	5.7	20.3
2 11	7 28.58	+13 19.0	2.411	3.298	8.8	20.5
2 21	7 22.69	+13 46.8	2.504	3.306	11.5	20.7
96989 1999 TA_{215}			1 16.6	59°.81	1°.1/16.1	18
12 13	8 16.43	+22 13.7	1.921	2.742	13.6	19.2
12 23	8 11.39	+22 45.0	1.849	2.747	10.2	19.0
1 2	8 3.97	+23 21.2	1.800	2.753	6.2	18.8
1 12	7 54.95	+23 57.9	1.779	2.759	2.1	18.5
1 22	7 45.38	+24 30.8	1.787	2.765	2.8	18.6
2 1	7 36.43	+24 56.6	1.825	2.772	6.9	18.8
2 11	7 29.17	+25 13.6	1.888	2.778	10.7	19.1
2 21	7 24.31	+25 22.1	1.975	2.784	13.9	19.3

373893 2003 SG_{333} 1 16.6 66°.86 5°.5/19.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.08	+ 3 52.2	1.992	2.763	15.0	21.1
12 23	8 9.32	+ 3 45.4	1.925	2.779	12.1	21.0
1 2	8 2.55	+ 3 56.5	1.880	2.795	9.0	20.8
1 12	7 54.46	+ 4 25.6	1.860	2.811	6.3	20.7
1 22	7 45.97	+ 5 10.5	1.868	2.827	5.6	20.7
2 1	7 38.04	+ 6 7.4	1.905	2.843	7.4	20.8
2 11	7 31.57	+ 7 11.3	1.969	2.859	10.3	21.0
2 21	7 27.18	+ 8 17.1	2.057	2.875	13.1	21.2

68489 2001 TS_{212} 1 16.6 26°.75 2°.2/15.8 18

12 13	8 18.37	+25 18.5	1.682	2.510	14.9	19.7
12 23	8 13.19	+25 44.1	1.611	2.513	11.2	19.4
1 2	8 5.23	+26 12.0	1.562	2.516	7.0	19.2
1 12	7 55.39	+26 36.9	1.540	2.519	2.9	18.9
1 22	7 44.90	+26 54.2	1.546	2.522	3.7	19.0
2 1	7 35.17	+27 1.0	1.580	2.526	8.0	19.3
2 11	7 27.48	+26 56.9	1.640	2.530	12.0	19.5
2 21	7 22.60	+26 43.6	1.722	2.534	15.5	19.8

381317 2007 VE_{204} 1 16.6 327°.97 10°.7/ 8.3 18

12 13	8 20.11	+45 38.5	1.925	2.729	14.2	19.8
12 23	8 15.59	+48 0.3	1.855	2.713	12.3	19.6
1 2	8 7.43	+50 13.0	1.809	2.697	11.0	19.5
1 12	7 56.31	+52 4.3	1.789	2.682	10.8	19.5
1 22	7 43.62	+53 24.4	1.794	2.668	11.9	19.5
2 1	7 31.31	+54 8.2	1.823	2.654	13.9	19.6
2 11	7 21.34	+54 17.3	1.873	2.640	16.0	19.7
2 21	7 15.09	+53 57.9	1.940	2.628	18.1	19.9

465508 2008 UM_{74} 1 16.6 322°.89 5°.8/13.7 18

12 13	8 18.65	+35 48.9	2.080	2.897	12.9	20.7
12 23	8 13.29	+36 49.7	2.005	2.893	10.1	20.5
1 2	8 5.28	+37 45.3	1.956	2.889	7.4	20.3
1 12	7 55.42	+38 28.9	1.933	2.886	5.9	20.2
1 22	7 44.85	+38 54.8	1.938	2.882	6.7	20.2
2 1	7 34.92	+39 0.4	1.971	2.879	9.2	20.4
2 11	7 26.85	+38 46.9	2.029	2.876	12.0	20.6
2 21	7 21.44	+38 17.5	2.108	2.873	14.6	20.7

294720 2008 BN_{32} 1 16.6 299°.94 1°.1/17.2 18

12 13	8 15.85	+14 42.7	1.710	2.523	15.3	20.5
12 23	8 11.27	+15 24.2	1.628	2.521	11.7	20.3
1 2	8 4.10	+16 19.9	1.570	2.518	7.4	20.0
1 12	7 55.06	+17 26.1	1.537	2.516	2.8	19.7
1 22	7 45.25	+18 37.1	1.534	2.514	2.6	19.7
2 1	7 35.94	+19 47.0	1.559	2.511	7.3	20.0
2 11	7 28.37	+20 50.7	1.610	2.509	11.6	20.2
2 21	7 23.39	+21 45.2	1.685	2.507	15.4	20.5

463707 2014 QQ_{151} 1 16.6 46°.45 1°.0/16.1 18

12 13	8 16.54	+18 48.5	1.514	2.342	16.2	20.1
12 23	8 11.89	+19 59.8	1.458	2.360	12.1	19.9
1 2	8 4.45	+21 22.2	1.424	2.379	7.4	19.7
1 12	7 55.14	+22 48.6	1.418	2.398	2.4	19.4
1 22	7 45.24	+24 11.0	1.439	2.418	3.2	19.5
2 1	7 36.16	+25 22.6	1.488	2.438	7.9	19.9
2 11	7 29.18	+26 19.6	1.563	2.458	12.2	20.2
2 21	7 25.03	+27 1.6	1.660	2.478	15.7	20.4

258049 2001 NZ_{7} 1 16.6 109°.00 0°.2/16.4 18

12 13	8 11.36	+21 8.7	3.918	4.715	7.7	22.2
12 23	8 6.44	+21 25.0	3.850	4.737	5.7	22.1
1 2	8 0.43	+21 43.3	3.809	4.758	3.5	21.9
1 12	7 53.74	+22 2.0	3.799	4.779	1.1	21.8
1 22	7 46.86	+22 19.5	3.820	4.799	1.4	21.8
2 1	7 40.30	+22 34.7	3.874	4.819	3.7	22.0
2 11	7 34.52	+22 46.5	3.958	4.839	5.8	22.2
2 21	7 29.90	+22 54.8	4.068	4.858	7.7	22.3

485384 2011 HZ_{19} 1 16.6 284°.47 1°.6/16.2 17

12 13	8 20.85	+23 10.4	1.320	2.156	17.7	22.2
12 23	8 15.93	+23 30.1	1.239	2.145	13.5	21.9
1 2	8 7.42	+23 55.7	1.179	2.135	8.4	21.6
1 12	7 56.23	+24 21.6	1.144	2.124	3.0	21.2
1 22	7 43.89	+24 41.5	1.135	2.113	3.9	21.3
2 1	7 32.29	+24 51.2	1.152	2.102	9.5	21.5
2 11	7 23.22	+24 49.5	1.192	2.092	14.8	21.8
2 21	7 17.76	+24 38.1	1.253	2.081	19.3	22.1

231250 2005 YK_{141} 1 16.6 164°.67 0°.7/16.3 18

12 13	8 18.38	+22 40.0	2.319	3.126	12.0	21.1
12 23	8 12.44	+22 48.8	2.238	3.130	9.0	20.9
1 2	8 4.45	+23 0.1	2.183	3.133	5.5	20.7
1 12	7 55.10	+23 10.9	2.156	3.136	1.8	20.5
1 22	7 45.28	+23 18.7	2.160	3.139	2.3	20.5
2 1	7 36.01	+23 21.5	2.195	3.141	6.0	20.8
2 11	7 28.19	+23 18.8	2.257	3.143	9.4	21.0
2 21	7 22.47	+23 11.0	2.345	3.144	12.3	21.2

290262 2005 ST_{124} 1 16.6 149°.82 7°.2/20.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.19	+ 0 13.8	2.061	2.810	15.3	20.9
12 23	8 10.20	− 0 20.6	1.981	2.814	12.7	20.7
1 2	8 3.15	− 0 36.5	1.923	2.817	10.1	20.5
1 12	7 54.70	− 0 31.8	1.890	2.821	7.9	20.4
1 22	7 45.73	− 0 6.7	1.884	2.824	7.2	20.4
2 1	7 37.22	+ 0 36.2	1.905	2.827	8.6	20.4
2 11	7 30.11	+ 1 32.4	1.953	2.829	11.1	20.6
2 21	7 25.06	+ 2 36.3	2.025	2.832	13.7	20.8

385010 2012 TJ_{239} 1 16.6 129°.22 3°.1/15.2 18

12 13	8 17.35	+30 16.7	2.453	3.265	11.3	20.9
12 23	8 11.70	+30 42.2	2.376	3.268	8.5	20.7
1 2	8 4.00	+31 5.5	2.325	3.270	5.6	20.6
1 12	7 54.95	+31 22.4	2.302	3.273	3.3	20.4
1 22	7 45.46	+31 29.7	2.309	3.275	3.9	20.5
2 1	7 36.53	+31 25.8	2.346	3.277	6.7	20.6
2 11	7 29.06	+31 11.2	2.410	3.279	9.5	20.8
2 21	7 23.69	+30 47.5	2.499	3.282	12.1	21.0

148847 2001 VY_{23} 1 16.6 40°.28 0°.3/16.7 18

12 13	8 17.57	+19 27.3	1.476	2.306	16.5	19.9
12 23	8 12.60	+19 33.2	1.419	2.321	12.4	19.7
1 2	8 4.83	+19 46.8	1.384	2.337	7.6	19.5
1 12	7 55.24	+20 4.5	1.374	2.354	2.5	19.2
1 22	7 45.17	+20 22.2	1.391	2.371	2.8	19.3
2 1	7 36.05	+20 36.9	1.435	2.389	7.7	19.6
2 11	7 29.10	+20 46.8	1.505	2.407	12.1	19.9
2 21	7 25.02	+20 51.3	1.597	2.425	15.7	20.2

194113 2001 SU_{243} 1 16.6 313°.93 4°.5/18.3 18

12 13	8 16.35	+ 9 30.9	1.413	2.224	18.1	20.1
12 23	8 12.04	+ 9 27.4	1.334	2.219	14.3	19.9
1 2	8 4.76	+ 9 43.0	1.276	2.215	9.9	19.6
1 12	7 55.32	+10 17.4	1.241	2.210	5.7	19.3
1 22	7 44.97	+11 7.3	1.233	2.206	4.9	19.3
2 1	7 35.23	+12 7.5	1.251	2.202	8.8	19.5
2 11	7 27.54	+13 11.4	1.294	2.199	13.4	19.7
2 21	7 22.84	+14 13.5	1.358	2.195	17.5	20.0

141225 2001 XH_{227} 1 16.6 161°.16 1°.8/15.6 18

12 13	8 15.17	+25 51.6	2.718	3.528	10.4	20.5
12 23	8 9.88	+26 24.0	2.638	3.531	7.8	20.3
1 2	8 2.81	+26 57.4	2.585	3.534	4.8	20.1
1 12	7 54.57	+27 28.3	2.560	3.537	2.2	19.9
1 22	7 45.90	+27 53.7	2.567	3.540	2.8	20.0
2 1	7 37.65	+28 11.4	2.604	3.542	5.7	20.2
2 11	7 30.60	+28 20.7	2.669	3.544	8.5	20.4
2 21	7 25.34	+28 21.9	2.759	3.546	11.0	20.5

207999 1998 HK_{84} 1 16.6 313°.53 4°.1/14.9 18

12 13	8 17.42	+26 46.1	1.408	2.248	16.6	19.9
12 23	8 13.36	+27 48.5	1.325	2.233	12.6	19.6
1 2	8 5.86	+28 56.4	1.264	2.218	8.2	19.3
1 12	7 55.75	+30 1.3	1.229	2.204	4.4	19.1
1 22	7 44.43	+30 54.4	1.219	2.190	5.7	19.1
2 1	7 33.70	+31 29.2	1.236	2.176	10.3	19.3
2 11	7 25.32	+31 44.1	1.276	2.164	14.9	19.5
2 21	7 20.41	+31 41.1	1.336	2.151	19.0	19.8

81326 2000 GO_{25} 1 16.6 29°.72 0°.4/16.5 18

12 13	8 17.14	+20 39.8	1.413	2.248	16.8	19.2
12 23	8 12.54	+20 56.4	1.350	2.256	12.7	19.0
1 2	8 4.94	+21 20.5	1.309	2.264	7.8	18.7
1 12	7 55.32	+21 47.5	1.293	2.274	2.5	18.4
1 22	7 45.07	+22 12.6	1.304	2.284	3.0	18.5
2 1	7 35.72	+22 31.9	1.341	2.294	8.2	18.8
2 11	7 28.63	+22 43.7	1.403	2.305	12.8	19.1
2 21	7 24.58	+22 47.8	1.487	2.317	16.6	19.4

89053 2001 TQ_{122} 1 16.6 113°.39 3°.6/18.0 18

12 13	8 18.84	+10 55.1	2.109	2.893	13.8	19.6
12 23	8 12.73	+10 27.5	2.039	2.910	10.8	19.4
1 2	8 4.58	+10 10.5	1.994	2.926	7.4	19.3
1 12	7 55.13	+10 3.9	1.976	2.942	4.4	19.1
1 22	7 45.31	+10 6.6	1.987	2.957	3.9	19.1
2 1	7 36.11	+10 16.7	2.029	2.972	6.6	19.3
2 11	7 28.46	+10 31.9	2.098	2.986	9.8	19.5
2 21	7 22.93	+10 49.7	2.192	3.000	12.7	19.7

278260 2007 ED_{221} 1 16.6 283°.83 2°.3/15.6 18

12 13	8 17.29	+25 29.0	1.937	2.759	13.5	20.8
12 23	8 12.19	+26 7.2	1.856	2.755	10.1	20.6
1 2	8 4.57	+26 48.1	1.800	2.752	6.3	20.4
1 12	7 55.20	+27 26.6	1.771	2.748	2.8	20.1
1 22	7 45.16	+27 57.8	1.771	2.745	3.7	20.2
2 1	7 35.67	+28 18.3	1.800	2.741	7.5	20.4
2 11	7 27.90	+28 27.1	1.855	2.738	11.2	20.6
2 21	7 22.64	+28 25.3	1.933	2.734	14.5	20.8

306328 2011 SX_{106} 1 16.6 64°.75 0°.7/16.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 20.04	+17 43.3	1.405	2.230	17.4	20.5
12 23	8 14.52	+18 1.9	1.351	2.251	13.1	20.3
1 2	8 6.03	+18 30.9	1.320	2.272	8.1	20.1
1 12	7 55.64	+19 6.0	1.313	2.293	2.8	19.8
1 22	7 44.76	+19 42.0	1.334	2.314	2.9	19.8
2 1	7 34.93	+20 14.4	1.382	2.335	8.0	20.2
2 11	7 27.42	+20 40.7	1.455	2.356	12.5	20.5
2 21	7 22.96	+20 59.6	1.550	2.377	16.2	20.8

43866 1994 PG_{19} 1 16.6 66°.87 2°.0/16.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 21.16	+24 56.8	1.561	2.388	15.9	18.7
12 23	8 15.26	+25 16.1	1.503	2.404	11.9	18.5
1 2	8 6.45	+25 37.3	1.467	2.420	7.3	18.3
1 12	7 55.77	+25 55.3	1.457	2.436	2.9	18.0
1 22	7 44.61	+26 5.5	1.476	2.453	3.6	18.1
2 1	7 34.46	+26 5.6	1.522	2.469	8.1	18.4
2 11	7 26.59	+25 56.0	1.594	2.485	12.2	18.7
2 21	7 21.71	+25 38.5	1.688	2.501	15.7	19.0

335848 2007 PP_{24} 1 16.6 101°.07 1°.4/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.61	+25 19.1	2.363	3.172	11.8	20.6
12 23	8 12.50	+25 25.8	2.294	3.186	8.8	20.4
1 2	8 4.41	+25 32.8	2.250	3.201	5.4	20.2
1 12	7 55.08	+25 37.0	2.236	3.215	2.1	20.0
1 22	7 45.41	+25 36.0	2.252	3.228	2.6	20.1
2 1	7 36.39	+25 28.6	2.298	3.242	6.0	20.3
2 11	7 28.88	+25 14.9	2.373	3.255	9.1	20.6
2 21	7 23.45	+24 55.8	2.473	3.268	11.8	20.8

258368 2001 WQ_{89} 1 16.6 61°.21 4°.8/14.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.81	+30 56.8	1.718	2.545	14.7	20.2
12 23	8 14.35	+31 57.2	1.657	2.555	11.2	20.0
1 2	8 5.98	+32 55.5	1.619	2.565	7.6	19.8
1 12	7 55.66	+33 44.1	1.608	2.575	5.0	19.7
1 22	7 44.72	+34 16.7	1.625	2.586	5.9	19.8
2 1	7 34.63	+34 30.3	1.669	2.596	9.2	20.0
2 11	7 26.70	+34 25.8	1.738	2.607	12.6	20.2
2 21	7 21.73	+34 6.4	1.829	2.618	15.7	20.5

464063 2014 WP_{249} 1 16.6 47°.61 0°.3/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.71	+18 39.6	1.531	2.358	16.2	20.7
12 23	8 11.95	+19 22.5	1.473	2.375	12.1	20.4
1 2	8 4.46	+20 15.5	1.438	2.392	7.4	20.2
1 12	7 55.16	+21 13.0	1.429	2.409	2.3	19.9
1 22	7 45.31	+22 9.1	1.447	2.427	2.8	20.0
2 1	7 36.31	+22 58.3	1.493	2.445	7.6	20.4
2 11	7 29.38	+23 37.6	1.565	2.463	11.9	20.7
2 21	7 25.23	+24 6.1	1.659	2.482	15.5	20.9

189024 1999 RN_{147} 1 16.6 178°.17 0°.5/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.60	+18 54.4	2.520	3.318	11.4	21.0
12 23	8 11.71	+18 56.4	2.434	3.320	8.6	20.8
1 2	8 3.96	+19 2.9	2.374	3.321	5.4	20.6
1 12	7 54.96	+19 11.9	2.343	3.322	1.9	20.4
1 22	7 45.52	+19 21.4	2.343	3.322	1.9	20.4
2 1	7 36.53	+19 29.5	2.374	3.322	5.5	20.6
2 11	7 28.82	+19 35.2	2.433	3.321	8.7	20.8
2 21	7 22.99	+19 37.9	2.519	3.319	11.5	21.0

279422 2010 GX_{158} 1 16.6 207°.32 3°.0/15.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.84	+25 58.1	1.762	2.584	14.6	20.9
12 23	8 15.16	+26 50.8	1.682	2.580	11.0	20.7
1 2	8 6.58	+27 47.1	1.625	2.576	7.0	20.4
1 12	7 55.91	+28 40.1	1.596	2.572	3.4	20.2
1 22	7 44.39	+29 23.5	1.596	2.568	4.4	20.3
2 1	7 33.49	+29 52.9	1.624	2.563	8.4	20.5
2 11	7 24.56	+30 7.1	1.679	2.557	12.4	20.7
2 21	7 18.52	+30 7.8	1.755	2.552	15.9	20.9

177834 2005 NW_{55} 1 16.6 228°.33 2°.7/17.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.30	+11 31.7	2.965	3.742	10.4	21.0
12 23	8 9.05	+11 11.3	2.864	3.732	8.1	20.8
1 2	8 2.25	+10 57.9	2.789	3.721	5.6	20.6
1 12	7 54.42	+10 51.4	2.743	3.710	3.2	20.5
1 22	7 46.16	+10 51.2	2.728	3.698	3.0	20.4
2 1	7 38.18	+10 56.1	2.744	3.686	5.2	20.6
2 11	7 31.16	+11 4.8	2.789	3.674	7.8	20.7
2 21	7 25.62	+11 15.6	2.860	3.661	10.3	20.9

274927 2009 SC_{169} 1 16.6 87°.04 0°.2/16.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.79	+18 16.9	1.921	2.734	13.9	21.1
12 23	8 11.58	+18 45.8	1.852	2.746	10.4	20.9
1 2	8 4.06	+19 22.8	1.807	2.758	6.4	20.7
1 12	7 55.03	+20 4.1	1.789	2.769	2.1	20.4
1 22	7 45.49	+20 45.4	1.801	2.781	2.3	20.5
2 1	7 36.58	+21 23.2	1.842	2.793	6.6	20.8
2 11	7 29.33	+21 54.7	1.911	2.804	10.4	21.0
2 21	7 24.42	+22 19.0	2.003	2.815	13.6	21.2

166513 2002 QS_{45} 1 16.6 127°.37 2°.9/15.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 19.40	+29 50.3	2.431	3.241	11.5	20.7
12 23	8 13.16	+30 11.1	2.360	3.250	8.7	20.5
1 2	8 4.87	+30 29.3	2.314	3.259	5.6	20.3
1 12	7 55.25	+30 41.2	2.296	3.268	3.1	20.2
1 22	7 45.25	+30 43.6	2.309	3.277	3.7	20.2
2 1	7 35.88	+30 35.3	2.353	3.285	6.5	20.4
2 11	7 28.05	+30 16.9	2.424	3.294	9.5	20.6
2 21	7 22.36	+29 50.4	2.519	3.302	12.0	20.8

429269 2010 CB_{41} 1 16.6 312°.43 6°.1/20.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.03	+ 0 45.4	2.210	2.963	14.2	20.7
12 23	8 7.82	+ 0 41.2	2.120	2.959	11.8	20.5
1 2	8 1.71	+ 0 55.8	2.053	2.954	9.2	20.3
1 12	7 54.28	+ 1 30.1	2.010	2.949	6.9	20.2
1 22	7 46.31	+ 2 22.8	1.996	2.945	6.2	20.1
2 1	7 38.68	+ 3 30.6	2.009	2.940	7.6	20.2
2 11	7 32.28	+ 4 48.2	2.050	2.936	10.2	20.4
2 21	7 27.74	+ 6 10.2	2.116	2.932	12.9	20.5

233195 2005 WL_{164} 1 16.6 304°.37 2°.3/17.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.97	+15 22.5	1.371	2.196	17.8	21.1
12 23	8 13.45	+15 15.4	1.290	2.188	13.7	20.8
1 2	8 5.74	+15 20.8	1.230	2.179	8.9	20.5
1 12	7 55.69	+15 37.1	1.194	2.171	3.9	20.2
1 22	7 44.66	+16 0.8	1.185	2.164	3.6	20.2
2 1	7 34.28	+16 27.9	1.202	2.156	8.7	20.5
2 11	7 26.12	+16 54.8	1.243	2.149	13.7	20.7
2 21	7 21.15	+17 18.6	1.305	2.142	18.1	21.0

318808 2005 SH_{166} 1 16.6 148°.63 3°.8/18.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.89	+ 6 58.1	2.272	3.043	13.4	21.1
12 23	8 10.56	+ 7 13.3	2.191	3.051	10.6	20.9
1 2	8 3.31	+ 7 43.2	2.134	3.059	7.5	20.7
1 12	7 54.78	+ 8 26.9	2.105	3.067	4.6	20.6
1 22	7 45.77	+ 9 21.5	2.105	3.074	4.0	20.5
2 1	7 37.20	+10 23.3	2.136	3.080	6.3	20.7
2 11	7 29.94	+11 27.9	2.196	3.086	9.4	20.9
2 21	7 24.59	+12 31.3	2.281	3.091	12.2	21.1

10870 Gwendolen 1 16.6 107°.62 1°.3/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 21.90	+22 13.2	1.758	2.573	14.9	19.4
12 23	8 15.54	+22 49.5	1.697	2.593	11.1	19.2
1 2	8 6.54	+23 30.5	1.660	2.612	6.8	19.0
1 12	7 55.83	+24 11.2	1.651	2.631	2.3	18.8
1 22	7 44.63	+24 46.3	1.671	2.649	3.1	18.8
2 1	7 34.29	+25 12.4	1.720	2.666	7.4	19.1
2 11	7 25.97	+25 28.4	1.796	2.683	11.3	19.4
2 21	7 20.39	+25 35.1	1.895	2.699	14.6	19.7

17486 Hodler 1 16.6 158°.60 2°.9/18.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.92	+ 9 20.6	2.762	3.531	11.3	20.3
12 23	8 10.26	+ 9 26.1	2.678	3.540	8.8	20.2
1 2	8 2.99	+ 9 41.8	2.620	3.548	6.1	20.0
1 12	7 54.66	+10 6.9	2.591	3.556	3.6	19.9
1 22	7 45.95	+10 39.4	2.593	3.563	3.1	19.8
2 1	7 37.62	+11 16.9	2.626	3.569	5.3	20.0
2 11	7 30.38	+11 56.8	2.689	3.574	8.0	20.2
2 21	7 24.76	+12 36.6	2.778	3.579	10.5	20.4

19337 1997 AT 1 16.6 88°.02 0°.5/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.79	+19 0.9	1.676	2.491	15.5	17.6
12 23	8 14.75	+19 53.5	1.621	2.516	11.6	17.4
1 2	8 6.07	+20 54.7	1.589	2.541	7.0	17.2
1 12	7 55.68	+21 58.7	1.585	2.565	2.2	16.9
1 22	7 44.82	+22 59.3	1.610	2.589	2.8	17.0
2 1	7 34.83	+23 51.5	1.664	2.613	7.3	17.3
2 11	7 26.88	+24 32.7	1.745	2.635	11.4	17.6
2 21	7 21.66	+25 2.6	1.849	2.658	14.7	17.9

135872 2002 TL_{32} 1 16.6 141°.47 0°.8/17.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.17	+17 18.2	2.553	3.352	11.3	20.5
12 23	8 9.86	+17 27.3	2.474	3.360	8.5	20.3
1 2	8 2.81	+17 42.3	2.420	3.367	5.3	20.1
1 12	7 54.61	+18 1.2	2.395	3.373	2.0	19.9
1 22	7 46.02	+18 21.8	2.400	3.380	1.9	19.9
2 1	7 37.87	+18 41.9	2.437	3.386	5.3	20.1
2 11	7 30.94	+18 59.9	2.502	3.392	8.4	20.3
2 21	7 25.77	+19 14.6	2.592	3.397	11.1	20.5

205892 2002 GY_{42} 1 16.6 248°.04 2°.5/15.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.41	+25 24.6	1.581	2.409	15.7	20.2
12 23	8 14.99	+25 55.8	1.507	2.409	11.8	19.9
1 2	8 6.52	+26 29.8	1.455	2.408	7.4	19.7
1 12	7 55.91	+27 0.8	1.429	2.407	3.2	19.4
1 22	7 44.51	+27 23.0	1.431	2.406	4.1	19.5
2 1	7 33.89	+27 33.0	1.461	2.406	8.5	19.7
2 11	7 25.47	+27 30.6	1.516	2.405	12.9	20.0
2 21	7 20.12	+27 17.5	1.592	2.404	16.6	20.2

467823 2010 KP_{128} 1 16.6 218°.27 2°.2/14.9 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.99	+25 4.3	2.880	3.685	10.0	22.2
12 23	8 10.62	+26 21.6	2.787	3.678	7.5	22.0
1 2	8 3.40	+27 42.8	2.722	3.670	4.7	21.8
1 12	7 54.85	+29 3.0	2.688	3.662	2.4	21.6
1 22	7 45.68	+30 17.4	2.686	3.654	3.2	21.7
2 1	7 36.72	+31 22.0	2.716	3.645	6.0	21.8
2 11	7 28.81	+32 14.5	2.775	3.636	8.7	22.0
2 21	7 22.59	+32 54.8	2.860	3.627	11.1	22.2

85985 1999 JW 1 16.6 214°.32 4°.1/19.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.10	+ 5 31.9	2.567	3.326	12.3	20.5
12 23	8 9.90	+ 5 35.5	2.467	3.318	9.9	20.3
1 2	8 2.92	+ 5 52.7	2.392	3.309	7.2	20.1
1 12	7 54.70	+ 6 23.5	2.344	3.299	4.8	20.0
1 22	7 45.93	+ 7 6.3	2.327	3.289	4.3	19.9
2 1	7 37.44	+ 7 58.4	2.339	3.278	6.2	20.0
2 11	7 30.03	+ 8 55.9	2.381	3.266	9.0	20.2
2 21	7 24.32	+ 9 55.3	2.449	3.254	11.7	20.3

492896 2014 QH_{422} 1 16.6 174°.74 0°.6/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.18	+21 14.2	2.058	2.866	13.3	22.6
12 23	8 14.10	+21 37.5	1.977	2.869	10.0	22.4
1 2	8 5.66	+22 5.7	1.921	2.871	6.1	22.2
1 12	7 55.59	+22 35.1	1.893	2.873	2.0	21.9
1 22	7 44.93	+23 1.8	1.895	2.874	2.5	22.0
2 1	7 34.83	+23 22.7	1.927	2.874	6.6	22.2
2 11	7 26.38	+23 36.6	1.987	2.874	10.4	22.4
2 21	7 20.29	+23 43.4	2.071	2.873	13.6	22.7

368231 2001 UR_{16} 1 16.6 153°.94 8°.5/21.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.22	−10 53.2	2.955	3.606	13.0	22.3
12 23	8 11.13	−11 51.1	2.878	3.618	11.5	22.2
1 2	8 3.50	−12 31.0	2.822	3.629	10.1	22.1
1 12	7 54.84	−12 50.2	2.791	3.640	8.9	22.0
1 22	7 45.81	−12 47.7	2.787	3.649	8.5	22.0
2 1	7 37.14	−12 24.3	2.811	3.658	9.0	22.1
2 11	7 29.51	−11 43.3	2.860	3.666	10.1	22.2
2 21	7 23.42	−10 49.1	2.933	3.673	11.5	22.3

206682 2003 YQ_{135} 1 16.6 299°.83 1°.1/17.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.41	+13 26.8	2.212	3.010	12.8	19.8
12 23	8 9.98	+14 22.9	2.093	2.977	9.9	19.5
1 2	8 3.32	+15 34.1	1.999	2.944	6.4	19.2
1 12	7 54.92	+16 57.7	1.934	2.911	2.5	18.9
1 22	7 45.58	+18 28.8	1.899	2.878	2.3	18.8
2 1	7 36.29	+20 1.5	1.895	2.845	6.4	19.0
2 11	7 28.14	+21 30.2	1.919	2.811	10.4	19.2
2 21	7 22.00	+22 50.8	1.969	2.778	14.0	19.4

158986 2004 RY_{330} 1 16.6 319°.74 0°.6/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.67	+21 3.7	1.930	2.748	13.7	21.0
12 23	8 11.63	+21 25.6	1.850	2.747	10.3	20.8
1 2	8 4.21	+21 53.2	1.794	2.746	6.3	20.5
1 12	7 55.14	+22 22.7	1.765	2.746	2.0	20.3
1 22	7 45.45	+22 50.1	1.766	2.745	2.6	20.3
2 1	7 36.32	+23 12.4	1.795	2.744	6.8	20.6
2 11	7 28.84	+23 27.7	1.851	2.743	10.7	20.8
2 21	7 23.75	+23 35.9	1.930	2.743	14.1	21.0

25770 2000 CV_{24} 1 16.7 141°.45 3°.2/18.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.24	+ 9 26.4	2.144	2.926	13.7	19.1
12 23	8 11.67	+ 9 39.5	2.067	2.937	10.7	18.9
1 2	8 4.04	+10 6.2	2.014	2.947	7.3	18.7
1 12	7 55.05	+10 44.9	1.989	2.957	4.1	18.5
1 22	7 45.58	+11 32.8	1.994	2.966	3.5	18.5
2 1	7 36.62	+12 26.0	2.028	2.975	6.4	18.7
2 11	7 29.08	+13 20.5	2.091	2.983	9.7	18.9
2 21	7 23.61	+14 12.9	2.179	2.990	12.7	19.1

369307 2009 SL_{46} 1 16.7 88°.74 2°.8/17.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.59	+12 40.6	1.964	2.762	14.2	21.3
12 23	8 11.32	+12 30.5	1.892	2.772	11.0	21.1
1 2	8 3.87	+12 31.2	1.843	2.783	7.3	20.9
1 12	7 55.00	+12 41.6	1.822	2.794	3.8	20.7
1 22	7 45.67	+12 59.7	1.829	2.804	3.4	20.7
2 1	7 36.94	+13 22.8	1.865	2.814	6.6	20.9
2 11	7 29.79	+13 48.0	1.929	2.825	10.2	21.1
2 21	7 24.86	+14 12.9	2.017	2.835	13.3	21.4

430062 2013 SC_{28} 1 16.7 48°.29 3°.7/15.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.90	+31 1.8	1.849	2.670	14.0	20.3
12 23	8 14.69	+31 19.3	1.796	2.692	10.6	20.1
1 2	8 5.94	+31 32.5	1.767	2.714	7.0	19.9
1 12	7 55.63	+31 36.4	1.765	2.736	4.0	19.8
1 22	7 45.02	+31 27.8	1.791	2.758	4.7	19.9
2 1	7 35.42	+31 6.0	1.846	2.781	7.8	20.1
2 11	7 27.90	+30 32.9	1.927	2.804	11.2	20.4
2 21	7 23.07	+29 51.7	2.031	2.827	14.1	20.6

168742 2000 QY_{92} 1 16.7 96°.68 2°.1/16.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 23.26	+25 26.5	1.576	2.399	15.9	20.4
12 23	8 16.89	+25 43.3	1.513	2.413	12.0	20.1
1 2	8 7.52	+26 1.3	1.473	2.426	7.4	19.9
1 12	7 56.20	+26 15.2	1.460	2.439	3.0	19.7
1 22	7 44.34	+26 20.7	1.475	2.451	3.7	19.7
2 1	7 33.49	+26 15.6	1.518	2.464	8.2	20.0
2 11	7 24.98	+26 0.7	1.587	2.476	12.4	20.3
2 21	7 19.55	+25 38.1	1.678	2.488	16.0	20.6

62505 2000 SF_{234} 1 16.7 18°.21 1°.5/17.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.64	+14 7.2	1.725	2.539	15.2	18.8
12 23	8 10.30	+14 41.1	1.649	2.541	11.6	18.6
1 2	8 3.48	+15 28.9	1.595	2.543	7.4	18.4
1 12	7 54.93	+16 27.2	1.568	2.545	3.0	18.1
1 22	7 45.71	+17 31.0	1.569	2.548	2.7	18.1
2 1	7 37.04	+18 34.9	1.598	2.551	7.1	18.4
2 11	7 30.08	+19 34.0	1.654	2.555	11.2	18.6
2 21	7 25.60	+20 25.4	1.733	2.559	14.9	18.9

243202 2007 TW_{448} 1 16.7 169°.64 1°.0/16.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.16	+22 50.3	2.738	3.544	10.4	21.1
12 23	8 9.87	+23 23.1	2.655	3.547	7.8	20.9
1 2	8 2.85	+23 59.0	2.599	3.549	4.8	20.7
1 12	7 54.66	+24 34.7	2.572	3.552	1.7	20.5
1 22	7 46.04	+25 7.2	2.577	3.553	2.3	20.6
2 1	7 37.80	+25 33.9	2.612	3.555	5.4	20.8
2 11	7 30.71	+25 53.6	2.676	3.556	8.3	21.0
2 21	7 25.36	+26 6.1	2.765	3.557	10.8	21.1

55409 2001 TF_{2} 1 16.7 129°.20 0°.4/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.00	+18 40.6	2.147	2.951	13.0	19.8
12 23	8 12.98	+18 52.0	2.075	2.964	9.8	19.6
1 2	8 4.84	+19 9.2	2.028	2.977	6.0	19.4
1 12	7 55.32	+19 29.7	2.010	2.989	2.0	19.1
1 22	7 45.37	+19 50.4	2.021	3.001	2.2	19.2
2 1	7 36.03	+20 8.9	2.063	3.012	6.1	19.4
2 11	7 28.24	+20 23.4	2.133	3.023	9.6	19.7
2 21	7 22.64	+20 33.5	2.228	3.034	12.7	19.9

333820 2012 HK_{39} 1 16.7 277°.71 3°.2/14.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.82	+25 24.0	1.941	2.762	13.5	20.7
12 23	8 12.94	+26 39.9	1.843	2.741	10.2	20.5
1 2	8 5.34	+28 2.7	1.769	2.720	6.6	20.2
1 12	7 55.64	+29 25.5	1.723	2.698	3.4	20.0
1 22	7 44.85	+30 40.7	1.707	2.676	4.6	20.0
2 1	7 34.31	+31 42.1	1.720	2.654	8.4	20.2
2 11	7 25.37	+32 26.8	1.759	2.631	12.3	20.4
2 21	7 19.04	+32 54.8	1.821	2.609	15.7	20.5

52860 1998 SX 1 16.7 115°.33 5°.1/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 23.22	+30 21.1	1.454	2.285	16.6	19.4
12 23	8 17.48	+31 15.9	1.387	2.288	12.7	19.2
1 2	8 8.23	+32 9.4	1.343	2.291	8.5	18.9
1 12	7 56.53	+32 52.7	1.324	2.294	5.3	18.7
1 22	7 43.97	+33 18.3	1.332	2.297	6.3	18.8
2 1	7 32.40	+33 22.7	1.367	2.300	10.2	19.0
2 11	7 23.44	+33 7.3	1.426	2.303	14.3	19.3
2 21	7 18.03	+32 36.8	1.505	2.305	17.9	19.5

330713 2008 PC_{8} 1 16.7 210°.42 1°.6/17.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.06	+15 34.3	2.414	3.208	12.0	21.4
12 23	8 11.46	+15 27.2	2.321	3.202	9.2	21.2
1 2	8 3.92	+15 26.8	2.253	3.196	5.9	21.0
1 12	7 55.04	+15 31.9	2.214	3.190	2.6	20.7
1 22	7 45.65	+15 40.9	2.205	3.183	2.4	20.7
2 1	7 36.65	+15 51.7	2.227	3.175	5.7	20.9
2 11	7 28.91	+16 2.9	2.277	3.167	9.1	21.1
2 21	7 23.09	+16 13.2	2.353	3.159	12.1	21.3

144320 2004 DS_{18} 1 16.7 351°.62 3°.1/17.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.46	+12 6.6	1.490	2.308	17.0	19.9
12 23	8 10.51	+12 11.4	1.413	2.304	13.2	19.6
1 2	8 3.78	+12 32.3	1.357	2.301	8.8	19.4
1 12	7 55.08	+13 7.8	1.325	2.299	4.5	19.1
1 22	7 45.59	+13 54.1	1.320	2.297	3.8	19.1
2 1	7 36.70	+14 46.3	1.342	2.296	8.0	19.3
2 11	7 29.74	+15 39.0	1.389	2.296	12.5	19.6
2 21	7 25.57	+16 28.0	1.458	2.296	16.5	19.8

117289 2004 TV_{240} 1 16.7 350°.63 4°.5/18.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.05	+10 16.4	1.840	2.636	15.1	19.2
12 23	8 11.14	+ 9 34.7	1.758	2.634	12.0	19.0
1 2	8 3.90	+ 9 4.4	1.699	2.632	8.4	18.7
1 12	7 55.06	+ 8 46.7	1.667	2.631	5.3	18.5
1 22	7 45.64	+ 8 41.2	1.662	2.630	4.9	18.5
2 1	7 36.75	+ 8 46.6	1.685	2.629	7.7	18.7
2 11	7 29.48	+ 9 0.1	1.734	2.628	11.2	18.9
2 21	7 24.54	+ 9 18.6	1.807	2.628	14.5	19.1

321216 2008 YE_{109} 1 16.7 94.°74 0.°2/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.01	+17 39.4	2.362	3.168	11.9	20.6
12 23	8 9.22	+18 17.2	2.284	3.174	8.9	20.4
1 2	8 2.54	+19 2.6	2.232	3.181	5.5	20.2
1 12	7 54.60	+19 52.4	2.208	3.188	1.8	20.0
1 22	7 46.19	+20 42.9	2.214	3.194	2.0	20.0
2 1	7 38.20	+21 30.3	2.251	3.201	5.6	20.2
2 11	7 31.49	+22 12.2	2.317	3.207	8.9	20.5
2 21	7 26.67	+22 47.1	2.407	3.214	11.8	20.7

240021 2001 TX_{257} 1 16.7 97.°09 4.°5/14.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.72	+33 23.5	2.368	3.181	11.6	20.5
12 23	8 12.20	+34 19.0	2.300	3.188	8.9	20.3
1 2	8 4.46	+35 11.0	2.257	3.195	6.3	20.2
1 12	7 55.23	+35 53.9	2.243	3.202	4.6	20.1
1 22	7 45.49	+36 23.1	2.258	3.210	5.3	20.1
2 1	7 36.32	+36 36.4	2.301	3.216	7.7	20.3
2 11	7 28.72	+36 34.3	2.372	3.223	10.3	20.5
2 21	7 23.38	+36 19.0	2.465	3.230	12.7	20.7

424882 2008 VV_{76} 1 16.7 28.°40 4.°3/18.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.68	+10 17.6	1.945	2.738	14.5	20.6
12 23	8 10.68	+ 9 36.8	1.868	2.742	11.4	20.5
1 2	8 3.53	+ 9 7.1	1.815	2.747	8.0	20.3
1 12	7 54.94	+ 8 49.4	1.788	2.752	5.0	20.1
1 22	7 45.86	+ 8 43.2	1.790	2.758	4.6	20.1
2 1	7 37.35	+ 8 47.1	1.820	2.763	7.3	20.2
2 11	7 30.39	+ 8 58.6	1.877	2.769	10.6	20.4
2 21	7 25.61	+ 9 14.8	1.957	2.776	13.7	20.7

332896 2011 BW_{13} 1 16.7 265.°53 0.°2/16.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.60	+17 45.5	2.021	2.833	13.4	20.5
12 23	8 10.89	+18 39.2	1.930	2.823	10.1	20.2
1 2	8 3.85	+19 43.6	1.863	2.813	6.3	20.0
1 12	7 55.11	+20 54.6	1.824	2.804	2.0	19.7
1 22	7 45.59	+22 6.6	1.814	2.794	2.4	19.7
2 1	7 36.41	+23 14.2	1.835	2.784	6.7	19.9
2 11	7 28.69	+24 13.4	1.883	2.774	10.7	20.2
2 21	7 23.24	+25 2.2	1.955	2.764	14.1	20.4

78752 2002 TJ_{287} 1 16.7 99.°97 0.°7/17.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.43	+18 3.1	2.420	3.221	11.8	19.2
12 23	8 10.83	+18 5.1	2.350	3.237	8.8	19.0
1 2	8 3.41	+18 12.3	2.306	3.253	5.5	18.8
1 12	7 54.86	+18 22.9	2.291	3.269	2.0	18.6
1 22	7 45.98	+18 34.7	2.306	3.285	2.0	18.6
2 1	7 37.65	+18 45.9	2.351	3.301	5.4	18.9
2 11	7 30.65	+18 55.1	2.426	3.316	8.6	19.1
2 21	7 25.54	+19 1.5	2.525	3.331	11.3	19.3

230482 2002 TL_{54} 1 16.7 43.°80 5.°6/14.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 22.01	+29 56.3	1.303	2.143	17.7	19.8
12 23	8 16.92	+31 7.1	1.241	2.146	13.5	19.5
1 2	8 8.07	+32 18.2	1.200	2.150	9.1	19.3
1 12	7 56.54	+33 19.0	1.183	2.153	5.8	19.1
1 22	7 44.03	+34 0.3	1.193	2.157	7.0	19.2
2 1	7 32.57	+34 17.3	1.228	2.161	11.1	19.4
2 11	7 23.93	+34 11.2	1.286	2.165	15.4	19.7
2 21	7 19.09	+33 46.9	1.363	2.170	19.1	19.9

264241 2010 TZ_{115} 1 16.7 50.°01 0.°4/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.31	+21 23.7	1.520	2.348	16.2	20.1
12 23	8 13.92	+21 30.1	1.461	2.363	12.1	19.9
1 2	8 5.70	+21 41.8	1.425	2.379	7.4	19.7
1 12	7 55.65	+21 55.0	1.414	2.395	2.4	19.4
1 22	7 45.12	+22 5.7	1.431	2.411	2.8	19.5
2 1	7 35.56	+22 11.4	1.476	2.428	7.7	19.8
2 11	7 28.19	+22 11.1	1.546	2.445	12.0	20.1
2 21	7 23.72	+22 5.2	1.638	2.462	15.7	20.4

424740 2008 SH_{281} 1 16.7 54.°49 0.°4/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.42	+20 26.2	2.077	2.892	12.9	21.4
12 23	8 10.52	+20 50.1	2.001	2.897	9.7	21.2
1 2	8 3.45	+21 19.7	1.950	2.902	5.9	20.9
1 12	7 54.93	+21 51.5	1.927	2.907	1.9	20.7
1 22	7 45.89	+22 22.0	1.933	2.912	2.3	20.7
2 1	7 37.40	+22 47.9	1.968	2.918	6.3	21.0
2 11	7 30.42	+23 7.7	2.031	2.923	9.9	21.2
2 21	7 25.63	+23 20.6	2.118	2.928	13.0	21.4

233579 2007 QK_{6} 1 16.7 132.°75 1.°1/16.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 22.80	+23 13.3	1.824	2.637	14.5	20.9
12 23	8 16.22	+23 26.4	1.754	2.648	10.9	20.7
1 2	8 7.02	+23 42.3	1.709	2.660	6.7	20.5
1 12	7 56.08	+23 56.8	1.691	2.670	2.3	20.2
1 22	7 44.63	+24 6.3	1.702	2.681	2.9	20.3
2 1	7 33.99	+24 8.6	1.743	2.690	7.2	20.6
2 11	7 25.34	+24 3.4	1.812	2.699	11.2	20.8
2 21	7 19.39	+23 51.9	1.903	2.708	14.5	21.1

242391 2004 EY_{107} 1 16.7 34.°92 5.°2/18.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.75	+ 7 11.5	1.450	2.254	18.1	20.6
12 23	8 10.60	+ 7 7.2	1.385	2.264	14.4	20.4
1 2	8 3.75	+ 7 23.8	1.341	2.274	10.2	20.2
1 12	7 55.07	+ 8 0.7	1.321	2.285	6.4	20.0
1 22	7 45.77	+ 8 54.7	1.327	2.297	5.5	20.0
2 1	7 37.22	+10 0.1	1.359	2.309	8.5	20.2
2 11	7 30.64	+11 10.0	1.416	2.321	12.5	20.4
2 21	7 26.80	+12 18.5	1.496	2.334	16.1	20.7

459153 2012 CW_{51} 1 16.7 263.°42 4.°2/18.7 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.34	+ 7 24.8	1.970	2.753	14.7	21.7
12 23	8 10.70	+ 7 35.0	1.870	2.738	11.8	21.5
1 2	8 3.75	+ 8 2.1	1.793	2.722	8.4	21.2
1 12	7 55.11	+ 8 45.9	1.742	2.706	5.2	21.0
1 22	7 45.66	+ 9 43.8	1.720	2.690	4.4	20.9
2 1	7 36.50	+10 51.6	1.727	2.673	7.3	21.1
2 11	7 28.74	+12 4.0	1.761	2.657	11.0	21.2
2 21	7 23.18	+13 15.9	1.819	2.640	14.5	21.4

520559 2014 MY_{77} 1 16.7 233.°34 3.°8/15.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 21.87	+28 20.0	1.683	2.507	15.1	21.7
12 23	8 16.17	+29 6.7	1.602	2.500	11.5	21.4
1 2	8 7.36	+29 54.5	1.544	2.493	7.5	21.2
1 12	7 56.31	+30 36.1	1.513	2.486	4.1	21.0
1 22	7 44.34	+31 5.2	1.510	2.479	5.1	21.0
2 1	7 33.03	+31 17.7	1.535	2.471	9.0	21.2
2 11	7 23.88	+31 13.7	1.585	2.463	13.1	21.4
2 21	7 17.82	+30 56.1	1.657	2.454	16.7	21.6

50864 2000 GM_{2} 1 16.7 319.°62 3.°3/14.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.15	+27 50.5	2.125	2.946	12.5	17.7
12 23	8 11.28	+28 51.6	2.046	2.943	9.4	17.5
1 2	8 4.06	+29 54.5	1.992	2.941	6.1	17.3
1 12	7 55.19	+30 53.2	1.966	2.938	3.5	17.1
1 22	7 45.65	+31 42.1	1.969	2.936	4.4	17.2
2 1	7 36.58	+32 17.5	2.002	2.933	7.6	17.4
2 11	7 29.07	+32 38.3	2.061	2.931	10.9	17.6
2 21	7 23.89	+32 45.4	2.143	2.929	13.7	17.8

233204 2005 XQ_{11} 1 16.7 167.°63 0.°3/16.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.51	+18 54.8	1.693	2.508	15.4	21.0
12 23	8 14.84	+19 34.5	1.616	2.511	11.6	20.8
1 2	8 6.39	+20 23.8	1.563	2.514	7.2	20.5
1 12	7 55.97	+21 17.7	1.536	2.517	2.3	20.2
1 22	7 44.79	+22 10.7	1.539	2.519	2.8	20.2
2 1	7 34.24	+22 57.5	1.571	2.520	7.6	20.5
2 11	7 25.63	+23 35.1	1.629	2.521	11.9	20.8
2 21	7 19.81	+24 2.7	1.710	2.521	15.6	21.0

244696 2003 QZ_{11} 1 16.7 146.°90 0.°4/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.23	+17 52.5	2.062	2.863	13.5	21.9
12 23	8 14.06	+18 17.3	1.987	2.875	10.2	21.7
1 2	8 5.62	+18 49.7	1.937	2.885	6.3	21.5
1 12	7 55.66	+19 26.3	1.916	2.895	2.1	21.3
1 22	7 45.18	+20 3.2	1.925	2.904	2.2	21.3
2 1	7 35.30	+20 37.1	1.964	2.913	6.4	21.6
2 11	7 27.03	+21 5.6	2.031	2.920	10.1	21.8
2 21	7 21.06	+21 27.9	2.123	2.927	13.2	22.0

251097 2006 SC_{224} 1 16.7 104.°33 2.°4/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 22.58	+26 17.1	2.057	2.867	13.2	21.6
12 23	8 15.76	+26 57.0	2.001	2.893	9.9	21.5
1 2	8 6.58	+27 37.3	1.969	2.918	6.2	21.3
1 12	7 55.94	+28 12.8	1.967	2.943	2.9	21.1
1 22	7 44.92	+28 39.2	1.994	2.966	3.6	21.2
2 1	7 34.73	+28 54.1	2.052	2.989	7.0	21.5
2 11	7 26.38	+28 57.6	2.137	3.012	10.3	21.7
2 21	7 20.50	+28 51.4	2.246	3.033	13.2	21.9

425746 2011 BH_{103} 1 16.7 334.°88 0.°6/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.02	+19 47.5	1.711	2.536	14.8	21.1
12 23	8 10.79	+20 25.3	1.629	2.530	11.2	20.9
1 2	8 3.93	+21 12.2	1.570	2.524	6.9	20.6
1 12	7 55.19	+22 3.6	1.538	2.519	2.2	20.3
1 22	7 45.67	+22 54.2	1.534	2.513	2.8	20.3
2 1	7 36.67	+23 39.0	1.558	2.509	7.5	20.6
2 11	7 29.44	+24 14.9	1.608	2.504	11.8	20.8
2 21	7 24.83	+24 40.7	1.680	2.501	15.5	21.1

419797 2010 WP_{13} 1 16.7 127.°38 2.°0/15.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 21.08	+25 26.1	2.347	3.152	12.0	22.7
12 23	8 14.46	+26 3.9	2.281	3.171	8.9	22.5
1 2	8 5.74	+26 42.7	2.241	3.190	5.5	22.3
1 12	7 55.68	+27 18.2	2.231	3.208	2.4	22.1
1 22	7 45.21	+27 46.5	2.252	3.225	3.1	22.2
2 1	7 35.39	+28 5.3	2.304	3.242	6.3	22.5
2 11	7 27.12	+28 14.1	2.384	3.257	9.4	22.7
2 21	7 21.04	+28 14.0	2.488	3.272	12.1	22.9

251082 2006 SW_{93} 1 16.7 115°.90 0°.2/16.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 20.05	+18 59.2	2.061	2.865	13.4	21.8
12 23	8 13.84	+19 20.4	1.995	2.885	10.1	21.6
1 2	8 5.42	+19 47.8	1.954	2.903	6.2	21.4
1 12	7 55.58	+20 18.0	1.942	2.922	2.0	21.2
1 22	7 45.33	+20 47.4	1.959	2.939	2.2	21.3
2 1	7 35.76	+21 13.2	2.007	2.956	6.3	21.5
2 11	7 27.85	+21 33.5	2.083	2.972	9.9	21.8
2 21	7 22.22	+21 47.9	2.183	2.988	12.9	22.0

400533 2008 UT_{47} 1 16.7 70°.25 3°.4/17.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.06	+13 21.6	1.417	2.232	17.9	21.6
12 23	8 14.62	+12 58.0	1.354	2.244	13.8	21.4
1 2	8 6.24	+12 47.6	1.312	2.256	9.2	21.2
1 12	7 55.90	+12 49.4	1.294	2.268	4.7	20.9
1 22	7 44.97	+13 1.3	1.304	2.280	4.2	20.9
2 1	7 34.96	+13 20.0	1.341	2.292	8.3	21.2
2 11	7 27.18	+13 42.0	1.402	2.305	12.8	21.5
2 21	7 22.40	+14 4.2	1.486	2.317	16.6	21.8

263438 2008 DO_{78} 1 16.7 253°.68 1°.7/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.64	+23 57.4	1.840	2.661	14.1	21.3
12 23	8 13.37	+24 26.4	1.757	2.655	10.6	21.0
1 2	8 5.46	+24 59.3	1.697	2.650	6.6	20.8
1 12	7 55.68	+25 31.2	1.665	2.644	2.5	20.5
1 22	7 45.15	+25 57.4	1.661	2.638	3.3	20.5
2 1	7 35.20	+26 14.6	1.686	2.632	7.5	20.8
2 11	7 27.05	+26 21.6	1.738	2.626	11.6	21.0
2 21	7 21.52	+26 19.2	1.812	2.620	15.0	21.2

378839 2008 SG_{291} 1 16.7 202°.00 2°.3/17.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.13	+12 47.3	2.564	3.348	11.7	21.4
12 23	8 10.67	+12 40.2	2.471	3.344	9.0	21.2
1 2	8 3.43	+12 41.3	2.403	3.340	6.0	21.0
1 12	7 54.97	+12 49.8	2.363	3.335	3.1	20.8
1 22	7 46.02	+13 4.2	2.354	3.329	2.8	20.8
2 1	7 37.42	+13 22.6	2.376	3.323	5.6	20.9
2 11	7 29.99	+13 42.9	2.427	3.316	8.7	21.1
2 21	7 24.30	+14 3.4	2.503	3.309	11.4	21.3

68643 2002 CZ_{49} 1 16.7 230°.09 2°.7/17.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.49	+13 1.9	2.018	2.810	14.1	19.9
12 23	8 13.75	+12 53.3	1.919	2.797	11.0	19.6
1 2	8 5.62	+12 54.9	1.845	2.784	7.4	19.4
1 12	7 55.75	+13 5.8	1.797	2.770	3.7	19.1
1 22	7 45.10	+13 24.1	1.780	2.755	3.3	19.1
2 1	7 34.83	+13 47.3	1.792	2.740	6.9	19.3
2 11	7 26.05	+14 12.7	1.832	2.724	10.8	19.5
2 21	7 19.58	+14 37.8	1.896	2.707	14.3	19.7

946 Poësia 1 16.7 5°.03 0°.6/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.30	+21 9.3	1.846	2.671	13.9	14.7
12 23	8 9.98	+21 30.4	1.771	2.671	10.4	14.5
1 2	8 3.28	+21 57.2	1.718	2.672	6.4	14.2
1 12	7 54.96	+22 26.2	1.693	2.673	2.1	13.9
1 22	7 46.05	+22 53.3	1.696	2.675	2.6	14.0
2 1	7 37.72	+23 15.2	1.727	2.678	6.9	14.3
2 11	7 31.07	+23 30.3	1.785	2.681	10.8	14.5
2 21	7 26.80	+23 38.0	1.865	2.685	14.2	14.7

143612 2003 FQ_{120} 1 16.7 190°.97 0°.8/17.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.74	+17 28.6	2.020	2.821	13.8	20.8
12 23	8 14.62	+17 42.5	1.933	2.820	10.5	20.5
1 2	8 6.09	+18 4.2	1.871	2.818	6.6	20.3
1 12	7 55.88	+18 30.9	1.836	2.815	2.4	20.0
1 22	7 45.00	+18 59.2	1.832	2.812	2.4	20.0
2 1	7 34.63	+19 25.9	1.858	2.807	6.6	20.3
2 11	7 25.86	+19 48.8	1.912	2.802	10.6	20.5
2 21	7 19.47	+20 6.8	1.990	2.796	13.9	20.7

172576 2003 UK_{229} 1 16.7 33°.34 2°.4/17.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.48	+15 33.5	1.517	2.336	16.7	19.8
12 23	8 13.43	+15 15.5	1.445	2.339	12.8	19.6
1 2	8 5.54	+15 7.7	1.395	2.342	8.3	19.3
1 12	7 55.72	+15 8.8	1.370	2.346	3.7	19.1
1 22	7 45.22	+15 16.6	1.372	2.350	3.4	19.1
2 1	7 35.49	+15 28.2	1.402	2.355	7.9	19.4
2 11	7 27.82	+15 41.2	1.457	2.359	12.4	19.6
2 21	7 23.02	+15 53.3	1.533	2.364	16.2	19.9

499027 2009 DG_{21} 1 16.7 189°.97 0°.3/16.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.79	+17 16.1	2.633	3.434	10.9	21.9
12 23	8 8.97	+17 56.2	2.546	3.433	8.2	21.7
1 2	8 2.41	+18 43.8	2.484	3.432	5.1	21.5
1 12	7 54.65	+19 36.0	2.452	3.431	1.7	21.2
1 22	7 46.41	+20 29.3	2.450	3.430	1.8	21.2
2 1	7 38.49	+21 20.2	2.480	3.428	5.2	21.5
2 11	7 31.67	+22 6.2	2.538	3.427	8.4	21.7
2 21	7 26.55	+22 45.6	2.622	3.425	11.1	21.9

56228 1999 JX_{24} 1 16.7 222°.58 3°.1/15.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 20.14	+29 15.8	2.369	3.178	11.7	19.8
12 23	8 14.08	+29 51.2	2.278	3.169	8.9	19.6
1 2	8 5.72	+30 25.7	2.213	3.158	5.8	19.4
1 12	7 55.77	+30 54.6	2.176	3.148	3.3	19.2
1 22	7 45.15	+31 13.8	2.170	3.137	4.0	19.2
2 1	7 34.98	+31 20.8	2.194	3.125	7.0	19.4
2 11	7 26.31	+31 15.4	2.245	3.113	10.2	19.6
2 21	7 19.88	+30 59.5	2.321	3.100	13.0	19.7

428092 2006 QO_{4} 1 16.7 137°.99 3°.1/15.1 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.05	+31 59.7	2.886	3.688	10.0	21.7
12 23	8 12.70	+32 22.6	2.815	3.699	7.6	21.5
1 2	8 4.58	+32 41.9	2.770	3.710	5.1	21.4
1 12	7 55.32	+32 54.1	2.754	3.721	3.2	21.3
1 22	7 45.74	+32 56.7	2.769	3.731	3.8	21.3
2 1	7 36.70	+32 48.5	2.816	3.740	6.0	21.5
2 11	7 28.99	+32 30.3	2.890	3.749	8.5	21.7
2 21	7 23.15	+32 3.7	2.990	3.758	10.7	21.8

206855 2004 FS_{31} 1 16.7 237°.67 1°.5/17.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 13.85	+11 46.8	2.903	3.682	10.5	20.6
12 23	8 8.92	+12 32.6	2.798	3.670	8.1	20.4
1 2	8 2.37	+13 29.3	2.719	3.657	5.3	20.2
1 12	7 54.66	+14 34.8	2.669	3.644	2.5	20.0
1 22	7 46.41	+15 45.8	2.652	3.630	2.1	20.0
2 1	7 38.34	+16 58.6	2.667	3.616	4.9	20.1
2 11	7 31.20	+18 9.6	2.713	3.601	7.9	20.3
2 21	7 25.55	+19 15.9	2.785	3.587	10.5	20.5

335940 2007 TR_{60} 1 16.7 17°.77 13°.7/26.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 9.61	−14 10.9	1.545	2.248	21.3	19.2
12 23	8 6.64	−14 58.7	1.490	2.261	19.2	19.1
1 2	8 1.26	−15 10.2	1.450	2.276	16.9	19.0
1 12	7 54.32	−14 40.7	1.429	2.292	14.9	18.9
1 22	7 46.86	−13 29.8	1.428	2.310	13.8	18.9
2 1	7 40.08	−11 42.4	1.449	2.329	13.9	18.9
2 11	7 35.05	− 9 28.5	1.492	2.349	15.0	19.1
2 21	7 32.43	− 7 0.1	1.558	2.370	16.9	19.2

249355 2008 YD_{30} 1 16.7 357°.92 0°.7/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.31	+19 24.4	1.835	2.656	14.2	19.9
12 23	8 10.70	+19 12.7	1.756	2.654	10.7	19.7
1 2	8 3.72	+19 6.4	1.700	2.652	6.7	19.5
1 12	7 55.12	+19 3.5	1.671	2.651	2.4	19.2
1 22	7 45.95	+19 2.0	1.670	2.650	2.4	19.2
2 1	7 37.38	+18 59.9	1.698	2.651	6.8	19.5
2 11	7 30.50	+18 56.1	1.752	2.651	10.8	19.7
2 21	7 26.01	+18 50.2	1.829	2.653	14.2	19.9

212046 2005 CP_{67} 1 16.7 263°.32 1°.8/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.14	+23 8.5	1.636	2.461	15.3	20.7
12 23	8 14.06	+23 44.9	1.556	2.457	11.6	20.4
1 2	8 6.05	+24 27.1	1.499	2.452	7.2	20.2
1 12	7 55.94	+25 9.4	1.468	2.448	2.7	19.9
1 22	7 44.98	+25 46.1	1.466	2.443	3.5	19.9
2 1	7 34.66	+26 12.9	1.491	2.438	8.2	20.2
2 11	7 26.35	+26 28.1	1.543	2.434	12.6	20.4
2 21	7 20.96	+26 32.2	1.615	2.429	16.3	20.6

381272 2007 TD_{236} 1 16.7 19°.51 0°.1/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.39	+18 59.8	2.101	2.915	12.8	21.4
12 23	8 9.76	+19 20.1	2.023	2.917	9.7	21.2
1 2	8 3.04	+19 47.1	1.969	2.920	6.0	21.0
1 12	7 54.89	+20 17.8	1.942	2.922	2.0	20.7
1 22	7 46.22	+20 48.8	1.945	2.925	2.2	20.7
2 1	7 38.04	+21 17.1	1.977	2.928	6.1	21.0
2 11	7 31.31	+21 40.5	2.037	2.931	9.8	21.2
2 21	7 26.70	+21 58.0	2.120	2.935	12.9	21.4

333324 2001 QK_{95} 1 16.7 85°.17 0°.7/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.27	+22 40.9	2.299	3.109	12.0	20.9
12 23	8 11.62	+22 52.2	2.232	3.125	9.0	20.7
1 2	8 4.01	+23 6.1	2.191	3.141	5.5	20.5
1 12	7 55.17	+23 19.5	2.178	3.157	1.8	20.3
1 22	7 45.97	+23 29.8	2.195	3.173	2.3	20.4
2 1	7 37.39	+23 35.3	2.242	3.189	5.8	20.6
2 11	7 30.28	+23 35.2	2.318	3.205	9.1	20.9
2 21	7 25.20	+23 30.0	2.417	3.220	11.9	21.1

27336 Mikequinn 1 16.7 204°.02 0°.1/16.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.70	+18 7.8	1.581	2.400	16.1	19.0
12 23	8 14.49	+18 42.4	1.502	2.399	12.2	18.7
1 2	8 6.33	+19 28.1	1.445	2.396	7.6	18.4
1 12	7 56.05	+20 20.4	1.414	2.394	2.5	18.1
1 22	7 44.90	+21 13.3	1.411	2.391	2.8	18.1
2 1	7 34.35	+22 1.5	1.437	2.388	7.9	18.4
2 11	7 25.82	+22 41.3	1.488	2.385	12.6	18.7
2 21	7 20.22	+23 11.3	1.562	2.381	16.5	18.9

312150 2007 TJ_{424} 1 16.7 91°.32 0°.9/17.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 19.47	+16 20.0	1.657	2.470	15.8	20.8
12 23	8 13.89	+16 50.1	1.595	2.487	11.9	20.6
1 2	8 5.70	+17 31.3	1.555	2.505	7.4	20.4
1 12	7 55.77	+18 19.4	1.542	2.522	2.7	20.1
1 22	7 45.31	+19 9.4	1.558	2.538	2.6	20.2
2 1	7 35.64	+19 56.4	1.603	2.555	7.2	20.5
2 11	7 27.93	+20 37.1	1.674	2.571	11.4	20.8
2 21	7 22.90	+21 10.0	1.768	2.587	14.9	21.0

15774 1993 FK_{38} 1 16.7 208°.34 1°.1/17.3 18

12 13	8 13.88	+15 54.9	2.469	3.269	11.6	18.6
12 23	8 9.11	+16 9.6	2.382	3.267	8.8	18.5
1 2	8 2.53	+16 31.9	2.320	3.266	5.6	18.2
1 12	7 54.73	+16 59.8	2.287	3.264	2.2	18.0
1 22	7 46.45	+17 30.7	2.283	3.263	2.1	18.0
2 1	7 38.55	+18 2.1	2.310	3.261	5.4	18.2
2 11	7 31.83	+18 31.6	2.366	3.259	8.7	18.4
2 21	7 26.89	+18 57.5	2.446	3.257	11.5	18.6

403533 2010 FP_{88} 1 16.7 192°.45 1°.1/16.2 18

12 13	8 21.06	+22 11.2	2.076	2.883	13.2	22.5
12 23	8 14.91	+22 45.7	1.990	2.882	9.9	22.2
1 2	8 6.32	+23 25.2	1.929	2.879	6.1	22.0
1 12	7 56.01	+24 5.1	1.897	2.876	2.1	21.7
1 22	7 45.00	+24 41.0	1.895	2.872	2.8	21.8
2 1	7 34.50	+25 9.3	1.923	2.867	6.8	22.0
2 11	7 25.62	+25 28.5	1.979	2.862	10.6	22.2
2 21	7 19.14	+25 38.8	2.059	2.855	13.9	22.4

274747 2008 UK_{267} 1 16.7 169°.60 3°.8/15.1 18

12 13	8 25.29	+29 13.3	1.917	2.728	14.0	21.8
12 23	8 18.33	+30 3.9	1.843	2.734	10.7	21.6
1 2	8 8.51	+30 53.8	1.793	2.738	7.0	21.4
1 12	7 56.73	+31 36.3	1.771	2.742	4.1	21.2
1 22	7 44.23	+32 5.3	1.779	2.745	4.9	21.3
2 1	7 32.46	+32 18.0	1.817	2.747	8.3	21.5
2 11	7 22.72	+32 14.7	1.881	2.748	11.9	21.7
2 21	7 15.86	+31 58.4	1.968	2.748	15.0	21.9

206901 2004 HU_{36} 1 16.7 208°.79 4°.9/12.9 17

12 13	8 17.88	+36 3.2	2.873	3.676	10.1	20.4
12 23	8 12.28	+37 23.1	2.793	3.671	7.9	20.2
1 2	8 4.60	+38 39.7	2.740	3.666	6.0	20.1
1 12	7 55.44	+39 47.2	2.716	3.661	5.0	20.0
1 22	7 45.62	+40 40.6	2.722	3.655	5.7	20.0
2 1	7 36.09	+41 17.2	2.758	3.649	7.6	20.2
2 11	7 27.83	+41 36.6	2.821	3.643	9.8	20.3
2 21	7 21.53	+41 40.6	2.907	3.637	11.8	20.4

506308 2017 OT 1 16.7 168°.31 2°.7/18.2 17

12 13	8 14.46	+10 24.6	3.073	3.844	10.2	22.5
12 23	8 9.12	+10 14.5	2.986	3.848	8.0	22.4
1 2	8 2.35	+10 12.5	2.924	3.853	5.5	22.2
1 12	7 54.64	+10 18.0	2.891	3.856	3.3	22.1
1 22	7 46.60	+10 29.9	2.890	3.859	2.9	22.0
2 1	7 38.88	+10 46.9	2.920	3.862	4.9	22.2
2 11	7 32.12	+11 7.0	2.979	3.864	7.4	22.3
2 21	7 26.78	+11 28.5	3.065	3.865	9.7	22.5

29479 1997 VJ_{1} 1 16.7 279°.06 2°.6/16.0 18

12 13	8 23.20	+28 38.4	1.810	2.627	14.4	18.0
12 23	8 16.84	+28 34.8	1.725	2.620	11.0	17.8
1 2	8 7.62	+28 28.1	1.664	2.613	7.0	17.5
1 12	7 56.44	+28 13.9	1.630	2.606	3.3	17.3
1 22	7 44.58	+27 49.1	1.625	2.599	3.9	17.3
2 1	7 33.48	+27 13.0	1.649	2.592	7.9	17.5
2 11	7 24.46	+26 27.4	1.700	2.585	11.9	17.7
2 21	7 18.32	+25 35.8	1.774	2.578	15.5	18.0

426406 2013 PB_{66} 1 16.7 85°.57 2°.9/17.9 18

12 13	8 16.33	+12 43.3	1.973	2.771	14.1	21.6
12 23	8 11.24	+12 30.8	1.895	2.776	11.0	21.4
1 2	8 3.97	+12 28.9	1.841	2.781	7.3	21.2
1 12	7 55.22	+12 36.7	1.814	2.786	3.8	21.0
1 22	7 45.96	+12 52.3	1.816	2.791	3.4	21.0
2 1	7 37.25	+13 13.3	1.847	2.796	6.7	21.2
2 11	7 30.08	+13 36.8	1.904	2.801	10.3	21.4
2 21	7 25.12	+14 0.5	1.986	2.806	13.5	21.6

330403 2007 BA_{16} 1 16.7 339°.55 0°.2/16.6 18

12 13	8 16.51	+19 5.6	1.806	2.624	14.4	21.1
12 23	8 11.75	+19 37.7	1.726	2.623	10.9	20.9
1 2	8 4.48	+20 18.4	1.670	2.622	6.7	20.6
1 12	7 55.44	+21 3.7	1.641	2.622	2.2	20.3
1 22	7 45.71	+21 48.8	1.641	2.621	2.5	20.3
2 1	7 36.52	+22 29.3	1.669	2.620	7.1	20.6
2 11	7 29.05	+23 2.4	1.724	2.619	11.2	20.9
2 21	7 24.08	+23 26.9	1.802	2.619	14.7	21.1

246647 2008 YO_{19} 1 16.7 306°.33 0°.2/16.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 15.29	+20 53.8	2.193	3.007	12.4	20.8
12 23	8 10.45	+21 1.5	2.104	2.999	9.3	20.6
1 2	8 3.51	+21 13.5	2.039	2.990	5.8	20.4
1 12	7 55.10	+21 27.3	2.002	2.982	1.9	20.1
1 22	7 46.11	+21 40.1	1.994	2.974	2.2	20.1
2 1	7 37.56	+21 49.7	2.016	2.966	6.1	20.4
2 11	7 30.42	+21 54.8	2.066	2.958	9.8	20.6
2 21	7 25.36	+21 55.0	2.139	2.951	12.9	20.8

496587 2015 BH_{156} 1 16.7 155°.59 3°.9/19.9 18

12 13	8 13.24	+ 2 50.2	3.006	3.748	11.1	21.3
12 23	8 8.27	+ 3 18.7	2.917	3.754	9.0	21.2
1 2	8 1.88	+ 4 1.2	2.852	3.759	6.6	21.1
1 12	7 54.52	+ 4 57.2	2.817	3.765	4.6	20.9
1 22	7 46.79	+ 6 4.2	2.812	3.770	3.9	20.9
2 1	7 39.35	+ 7 19.0	2.838	3.775	5.4	21.0
2 11	7 32.83	+ 8 37.7	2.895	3.779	7.6	21.1
2 21	7 27.72	+ 9 56.4	2.980	3.783	9.9	21.3

327896 2007 BH_{63} 1 16.7 356°.56 0°.9/17.1 18

12 13	8 16.18	+17 9.6	1.725	2.543	15.0	21.3
12 23	8 11.55	+17 23.1	1.646	2.542	11.4	21.1
1 2	8 4.37	+17 46.2	1.591	2.541	7.2	20.9
1 12	7 55.41	+18 16.0	1.562	2.541	2.6	20.6
1 22	7 45.78	+18 48.7	1.560	2.540	2.6	20.6
2 1	7 36.72	+19 20.5	1.587	2.540	7.1	20.9
2 11	7 29.44	+19 48.4	1.641	2.541	11.4	21.1
2 21	7 24.70	+20 10.8	1.717	2.541	15.0	21.3

158604 2002 XD_{76} 1 16.7 24°.23 4°.8/15.1 18

12 13	8 19.01	+27 18.1	1.109	1.962	19.2	19.5
12 23	8 15.01	+28 24.5	1.054	1.968	14.5	19.2
1 2	8 7.08	+29 34.3	1.019	1.974	9.4	18.9
1 12	7 56.38	+30 36.8	1.007	1.982	5.2	18.7
1 22	7 44.75	+31 22.1	1.020	1.991	6.5	18.8
2 1	7 34.33	+31 44.9	1.057	2.000	11.2	19.1
2 11	7 26.91	+31 45.5	1.116	2.011	16.0	19.4
2 21	7 23.44	+31 28.2	1.193	2.022	20.0	19.7

231165 2005 UA_{79} 1 16.7 111°.47 1°.1/16.2 18

12 13	8 23.22	+21 14.8	1.620	2.437	15.9	20.3
12 23	8 16.83	+21 57.4	1.560	2.456	11.9	20.1
1 2	8 7.58	+22 46.6	1.523	2.475	7.3	19.9
1 12	7 56.43	+23 36.4	1.513	2.493	2.5	19.7
1 22	7 44.73	+24 21.0	1.532	2.510	3.1	19.7
2 1	7 33.93	+24 56.1	1.580	2.527	7.8	20.1
2 11	7 25.31	+25 19.9	1.654	2.543	12.0	20.3
2 21	7 19.64	+25 33.1	1.751	2.558	15.5	20.6

457794 2009 QS_{30} 1 16.7 105°.72 6°.1/14.7 18

12 13	8 28.94	+40 9.7	2.302	3.092	12.6	21.3
12 23	8 20.49	+40 42.9	2.249	3.116	10.1	21.2
1 2	8 9.49	+41 5.3	2.221	3.139	7.6	21.1
1 12	7 56.97	+41 11.1	2.221	3.162	6.2	21.0
1 22	7 44.21	+40 56.8	2.250	3.185	6.6	21.1
2 1	7 32.53	+40 22.7	2.309	3.206	8.6	21.2
2 11	7 23.04	+39 32.2	2.395	3.228	10.9	21.4
2 21	7 16.33	+38 30.5	2.504	3.248	13.1	21.6

301627 2010 EP_{28} 1 16.7 237°.99 4°.2/19.5 17

12 13	8 12.16	+ 3 59.6	2.778	3.533	11.6	21.7
12 23	8 7.67	+ 4 7.9	2.679	3.524	9.4	21.5
1 2	8 1.61	+ 4 30.1	2.604	3.515	7.0	21.3
1 12	7 54.47	+ 5 6.0	2.556	3.506	4.9	21.2
1 22	7 46.86	+ 5 54.2	2.538	3.496	4.3	21.1
2 1	7 39.50	+ 6 51.8	2.550	3.487	5.9	21.2
2 11	7 33.08	+ 7 55.4	2.591	3.477	8.3	21.3
2 21	7 28.16	+ 9 1.0	2.658	3.467	10.8	21.5

242406 2004 FT_{147} 1 16.7 343°.05 15°.4/21.9 18

12 13	8 11.83	−16 16.2	1.844	2.510	19.4	19.4
12 23	8 8.29	−18 17.5	1.767	2.498	18.0	19.3
1 2	8 2.40	−19 52.0	1.706	2.486	16.7	19.1
1 12	7 54.82	−20 52.0	1.665	2.476	15.7	19.0
1 22	7 46.44	−21 12.7	1.643	2.466	15.4	19.0
2 1	7 38.40	−20 52.8	1.641	2.458	15.7	19.0
2 11	7 31.83	−19 56.5	1.658	2.451	16.8	19.0
2 21	7 27.55	−18 31.7	1.694	2.444	18.2	19.1

195661 2002 NH_{65} 1 16.7 102°.76 1°.3/16.1 18

12 13	8 16.73	+23 9.2	2.199	3.013	12.3	20.9
12 23	8 11.46	+23 40.1	2.126	3.021	9.2	20.8
1 2	8 4.07	+24 14.4	2.077	3.029	5.7	20.5
1 12	7 55.28	+24 48.1	2.057	3.036	2.1	20.3
1 22	7 46.01	+25 17.6	2.067	3.044	2.7	20.4
2 1	7 37.28	+25 39.9	2.107	3.052	6.3	20.6
2 11	7 30.04	+25 54.0	2.174	3.059	9.7	20.8
2 21	7 24.94	+25 59.9	2.265	3.066	12.6	21.1

469736 2005 NB_{42} 1 16.7 221°.86 1°.4/17.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.30	+14 13.0	2.903	3.692	10.3	22.4
12 23	8 8.49	+14 31.6	2.805	3.683	7.9	22.2
1 2	8 2.10	+14 57.9	2.733	3.675	5.1	22.0
1 12	7 54.63	+15 30.3	2.690	3.666	2.3	21.8
1 22	7 46.70	+16 6.7	2.679	3.657	2.0	21.8
2 1	7 39.04	+16 44.5	2.698	3.647	4.8	22.0
2 11	7 32.33	+17 21.4	2.747	3.637	7.7	22.1
2 21	7 27.12	+17 55.7	2.822	3.627	10.3	22.3

234365 2001 OL_{29} 1 16.7 181°.41 3°.3/14.9 18

12 13	8 18.71	+32 4.5	2.822	3.626	10.2	21.3
12 23	8 12.64	+32 36.0	2.741	3.626	7.8	21.1
1 2	8 4.68	+33 4.4	2.686	3.627	5.3	21.0
1 12	7 55.46	+33 25.7	2.661	3.627	3.5	20.9
1 22	7 45.81	+33 36.9	2.667	3.626	4.0	20.9
2 1	7 36.62	+33 36.4	2.702	3.625	6.3	21.0
2 11	7 28.74	+33 24.5	2.766	3.624	8.8	21.2
2 21	7 22.76	+33 3.0	2.855	3.622	11.1	21.4

122267 2000 OP_{54} 1 16.7 23°.39 0°.2/16.7 18

12 13	8 20.25	+21 29.2	1.310	2.145	17.9	18.6
12 23	8 15.25	+21 25.3	1.243	2.148	13.5	18.3
1 2	8 6.92	+21 27.1	1.197	2.152	8.4	18.0
1 12	7 56.30	+21 30.7	1.176	2.156	2.7	17.7
1 22	7 44.92	+21 32.2	1.181	2.161	3.1	17.7
2 1	7 34.53	+21 29.1	1.212	2.166	8.7	18.1
2 11	7 26.64	+21 20.6	1.268	2.172	13.7	18.4
2 21	7 22.12	+21 7.4	1.344	2.178	17.8	18.7

288743 2004 RO_{58} 1 16.7 153°.36 0°.7/17.0 18

12 13	8 20.87	+17 7.0	1.906	2.710	14.4	21.5
12 23	8 14.79	+17 32.9	1.831	2.719	10.9	21.3
1 2	8 6.25	+18 7.9	1.779	2.727	6.8	21.0
1 12	7 56.03	+18 48.5	1.755	2.734	2.4	20.8
1 22	7 45.21	+19 30.3	1.761	2.741	2.4	20.8
2 1	7 35.00	+20 9.4	1.797	2.747	6.8	21.1
2 11	7 26.52	+20 43.1	1.861	2.752	10.7	21.3
2 21	7 20.52	+21 10.1	1.948	2.757	14.1	21.6

450970 2008 QX_{45} 1 16.7 168°.08 1°.7/17.4 18

12 13	8 22.28	+15 35.9	1.936	2.732	14.5	22.6
12 23	8 15.79	+15 36.2	1.855	2.738	11.1	22.4
1 2	8 6.85	+15 45.3	1.799	2.743	7.1	22.2
1 12	7 56.23	+16 1.1	1.770	2.747	3.0	21.9
1 22	7 45.00	+16 20.9	1.771	2.750	2.7	21.9
2 1	7 34.38	+16 41.7	1.803	2.752	6.8	22.2
2 11	7 25.49	+17 1.4	1.862	2.754	10.7	22.4
2 21	7 19.07	+17 18.5	1.946	2.754	14.1	22.6

40001 1998 HB_{88} 1 16.7 192°.12 3°.5/18.2 18

12 13	8 18.85	+ 9 58.5	2.294	3.070	13.1	19.7
12 23	8 12.93	+ 9 44.5	2.203	3.068	10.3	19.5
1 2	8 4.97	+ 9 41.4	2.136	3.066	7.2	19.3
1 12	7 55.61	+ 9 48.9	2.097	3.062	4.3	19.1
1 22	7 45.69	+10 5.6	2.088	3.058	3.8	19.1
2 1	7 36.17	+10 29.5	2.110	3.053	6.4	19.2
2 11	7 27.97	+10 57.7	2.160	3.047	9.7	19.4
2 21	7 21.77	+11 27.6	2.235	3.041	12.6	19.6

344856 2004 HV_{6} 1 16.7 263°.44 5°.1/14.5 18

12 13	8 21.90	+28 52.7	1.492	2.323	16.3	20.8
12 23	8 16.83	+30 8.1	1.409	2.310	12.5	20.5
1 2	8 8.21	+31 27.3	1.348	2.297	8.4	20.2
1 12	7 56.85	+32 40.4	1.313	2.284	5.3	20.0
1 22	7 44.20	+33 38.0	1.306	2.270	6.5	20.1
2 1	7 32.13	+34 13.5	1.325	2.256	10.6	20.3
2 11	7 22.43	+34 26.0	1.368	2.242	15.0	20.5
2 21	7 16.27	+34 18.8	1.431	2.228	18.9	20.7

456314 2006 SZ_{239} 1 16.7 101°.86 0°.8/17.1 18

12 13	8 18.15	+17 17.1	1.751	2.565	15.0	21.5
12 23	8 12.94	+17 33.9	1.678	2.571	11.4	21.3
1 2	8 5.19	+18 0.1	1.628	2.578	7.1	21.0
1 12	7 55.71	+18 32.3	1.605	2.584	2.6	20.8
1 22	7 45.61	+19 6.6	1.610	2.590	2.5	20.8
2 1	7 36.17	+19 39.2	1.644	2.596	7.0	21.1
2 11	7 28.53	+20 7.3	1.705	2.602	11.2	21.3
2 21	7 23.46	+20 29.5	1.788	2.608	14.7	21.6

262176 2006 SC_{120} 1 16.7 109°.44 2°.4/15.6 18

12 13	8 21.35	+25 25.6	1.943	2.758	13.7	21.6
12 23	8 15.12	+26 12.3	1.881	2.776	10.2	21.4
1 2	8 6.41	+27 1.0	1.844	2.794	6.4	21.3
1 12	7 56.07	+27 46.0	1.835	2.812	2.9	21.1
1 22	7 45.25	+28 22.2	1.856	2.829	3.7	21.1
2 1	7 35.18	+28 46.6	1.906	2.846	7.3	21.4
2 11	7 26.98	+28 58.6	1.984	2.862	10.8	21.7
2 21	7 21.33	+28 59.6	2.084	2.877	13.8	21.9

419148 2009 SA_{302} 1 16.7 1°.00 14°.4/13.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 38.22	+56 27.3	1.596	2.360	18.4	19.9
12 23	8 30.09	+57 32.2	1.543	2.359	16.6	19.8
1 2	8 16.54	+58 10.8	1.509	2.358	15.1	19.7
1 12	7 59.44	+58 9.9	1.495	2.358	14.4	19.7
1 22	7 41.72	+57 22.2	1.504	2.359	14.9	19.7
2 1	7 26.46	+55 49.5	1.534	2.360	16.2	19.8
2 11	7 15.78	+53 41.9	1.585	2.362	18.1	19.9
2 21	7 10.33	+51 12.9	1.654	2.365	20.0	20.1

396771 2003 WP_{148} 1 16.7 135°.16 1°.1/17.1 18

12 13	8 21.63	+17 36.5	2.067	2.865	13.6	21.2
12 23	8 15.07	+17 33.1	1.995	2.880	10.3	21.1
1 2	8 6.27	+17 36.1	1.947	2.893	6.5	20.8
1 12	7 56.03	+17 43.1	1.928	2.906	2.4	20.6
1 22	7 45.36	+17 51.9	1.939	2.919	2.3	20.6
2 1	7 35.36	+18 0.4	1.981	2.930	6.3	20.9
2 11	7 27.02	+18 7.1	2.051	2.941	9.9	21.1
2 21	7 20.98	+18 11.5	2.146	2.952	13.1	21.4

238528 2004 TH_{240} 1 16.7 105°.39 5°.3/18.7 18

12 13	8 18.43	+ 7 47.6	1.556	2.350	17.5	20.3
12 23	8 13.34	+ 7 26.2	1.484	2.357	13.9	20.1
1 2	8 5.53	+ 7 22.7	1.433	2.363	10.0	19.9
1 12	7 55.86	+ 7 37.4	1.407	2.369	6.3	19.7
1 22	7 45.52	+ 8 8.4	1.407	2.375	5.6	19.7
2 1	7 35.86	+ 8 51.9	1.435	2.381	8.5	19.9
2 11	7 28.13	+ 9 42.5	1.488	2.387	12.4	20.1
2 21	7 23.14	+10 35.0	1.564	2.392	16.1	20.3

336744 2010 FW_{24} 1 16.7 46°.55 3°.8/18.8 18

12 13	8 13.14	+ 7 42.5	2.231	3.012	13.3	20.9
12 23	8 8.70	+ 7 45.6	2.149	3.015	10.5	20.7
1 2	8 2.38	+ 8 2.6	2.091	3.018	7.5	20.5
1 12	7 54.79	+ 8 32.9	2.059	3.021	4.7	20.4
1 22	7 46.72	+ 9 14.4	2.056	3.024	4.0	20.3
2 1	7 39.06	+10 3.9	2.082	3.028	6.3	20.5
2 11	7 32.66	+10 57.5	2.137	3.031	9.4	20.7
2 21	7 28.12	+11 51.3	2.216	3.035	12.3	20.9

357613 2005 CM_{60} 1 16.7 346°.20 0°.2/16.7 18

12 13	8 16.44	+20 24.2	1.279	2.121	17.9	20.6
12 23	8 12.63	+20 33.4	1.205	2.114	13.6	20.3
1 2	8 5.49	+20 51.3	1.152	2.108	8.5	20.0
1 12	7 55.93	+21 13.6	1.122	2.102	2.8	19.7
1 22	7 45.41	+21 35.4	1.118	2.098	3.2	19.7
2 1	7 35.67	+21 52.4	1.139	2.094	8.9	20.0
2 11	7 28.31	+22 2.2	1.184	2.092	14.1	20.3
2 21	7 24.30	+22 4.6	1.248	2.090	18.5	20.5

203721 2002 QP_{3} 1 16.7 203°.69 1°.3/17.4 17

12 13	8 15.93	+16 3.8	2.665	3.457	11.0	21.1
12 23	8 10.54	+16 4.0	2.572	3.453	8.4	20.9
1 2	8 3.42	+16 10.4	2.505	3.448	5.4	20.7
1 12	7 55.12	+16 21.6	2.466	3.443	2.3	20.5
1 22	7 46.36	+16 35.6	2.459	3.437	2.1	20.5
2 1	7 37.94	+16 50.7	2.482	3.431	5.2	20.7
2 11	7 30.65	+17 5.3	2.535	3.425	8.3	20.9
2 21	7 25.06	+17 18.1	2.613	3.418	11.0	21.0

279212 2009 UR_{43} 1 16.7 11°.30 0°.6/16.5 18

12 13	8 16.94	+21 5.8	1.864	2.683	14.0	21.4
12 23	8 12.01	+21 28.5	1.786	2.684	10.5	21.2
1 2	8 4.64	+21 57.1	1.732	2.684	6.5	20.9
1 12	7 55.57	+22 27.6	1.705	2.685	2.1	20.7
1 22	7 45.87	+22 56.0	1.706	2.686	2.6	20.7
2 1	7 36.75	+23 19.0	1.737	2.687	6.9	21.0
2 11	7 29.33	+23 34.7	1.794	2.688	10.9	21.2
2 21	7 24.38	+23 42.9	1.874	2.689	14.3	21.4

124308 2001 QM_{69} 1 16.7 39°.41 1°.9/17.2 18

12 13	8 20.35	+17 35.1	1.205	2.040	19.2	19.2
12 23	8 15.36	+17 12.4	1.147	2.050	14.6	19.0
1 2	8 6.98	+16 59.8	1.109	2.061	9.3	18.7
1 12	7 56.36	+16 55.2	1.095	2.073	3.7	18.4
1 22	7 45.09	+16 55.8	1.106	2.085	3.5	18.4
2 1	7 34.93	+16 58.7	1.143	2.098	8.8	18.8
2 11	7 27.40	+17 1.8	1.203	2.112	13.9	19.1
2 21	7 23.28	+17 3.8	1.284	2.126	18.1	19.4

414229 2008 FV_{54} 1 16.7 300°.29 4°.9/14.7 18

12 13	8 20.12	+31 21.1	1.747	2.573	14.5	20.8
12 23	8 14.88	+32 15.4	1.670	2.567	11.2	20.6
1 2	8 6.65	+33 8.1	1.617	2.562	7.6	20.3
1 12	7 56.29	+33 51.6	1.590	2.557	5.1	20.2
1 22	7 45.08	+34 19.6	1.590	2.552	6.0	20.2
2 1	7 34.55	+34 28.5	1.618	2.546	9.3	20.4
2 11	7 26.11	+34 18.9	1.671	2.542	13.0	20.6
2 21	7 20.67	+33 54.2	1.746	2.537	16.2	20.8

377164 2003 SG_{335} 1 16.7 121.°72 3.°2/15.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 18.84	+29 11.6	2.360	3.171	11.7	22.0
12 23	8 13.01	+29 59.0	2.292	3.183	8.8	21.8
1 2	8 5.05	+30 45.4	2.250	3.195	5.8	21.6
1 12	7 55.68	+31 25.8	2.236	3.207	3.4	21.5
1 22	7 45.84	+31 56.1	2.253	3.218	4.1	21.6
2 1	7 36.58	+32 13.8	2.299	3.229	6.9	21.8
2 11	7 28.84	+32 18.8	2.373	3.239	9.8	22.0
2 21	7 23.27	+32 12.7	2.471	3.249	12.4	22.2

424241 2007 RN_{206} 1 16.7 91.°21 0.°7/16.4 18

12 13	8 16.51	+21 31.6	2.349	3.157	11.8	21.8
12 23	8 11.11	+21 57.7	2.282	3.174	8.8	21.6
1 2	8 3.80	+22 27.8	2.240	3.191	5.4	21.4
1 12	7 55.26	+22 58.4	2.228	3.208	1.8	21.2
1 22	7 46.35	+23 26.3	2.245	3.224	2.2	21.3
2 1	7 37.98	+23 49.1	2.293	3.240	5.7	21.5
2 11	7 31.01	+24 5.4	2.369	3.256	8.9	21.7
2 21	7 26.01	+24 15.0	2.470	3.272	11.7	22.0

405890 2006 FQ_{32} 1 16.7 216.°55 0.°8/16.4 18

12 13	8 20.36	+21 14.0	1.932	2.744	13.9	22.2
12 23	8 14.64	+21 43.1	1.843	2.737	10.5	22.0
1 2	8 6.35	+22 18.3	1.779	2.729	6.5	21.7
1 12	7 56.20	+22 55.4	1.741	2.721	2.2	21.4
1 22	7 45.25	+23 29.9	1.734	2.713	2.7	21.4
2 1	7 34.79	+23 58.0	1.756	2.704	7.1	21.7
2 11	7 26.01	+24 17.7	1.806	2.694	11.2	21.9
2 21	7 19.76	+24 28.9	1.878	2.683	14.7	22.1

299074 2005 EO_{9} 1 16.7 7.°18 6.°4/15.8 18

12 13	8 21.09	+34 6.2	1.072	1.924	19.7	19.4
12 23	8 16.81	+34 17.0	1.015	1.925	15.3	19.1
1 2	8 8.26	+34 18.1	0.977	1.927	10.6	18.8
1 12	7 56.85	+34 0.4	0.961	1.931	6.8	18.7
1 22	7 44.67	+33 18.9	0.969	1.936	7.5	18.7
2 1	7 34.03	+32 14.4	1.000	1.943	11.7	19.0
2 11	7 26.74	+30 53.3	1.053	1.952	16.3	19.2
2 21	7 23.61	+29 23.7	1.125	1.962	20.4	19.5

205939 2002 JG_{42} 1 16.7 289.°65 2.°4/15.9 18

12 13	8 19.48	+24 41.5	1.544	2.374	15.9	20.2
12 23	8 14.68	+25 17.1	1.458	2.361	12.1	19.9
1 2	8 6.72	+25 57.6	1.394	2.348	7.6	19.6
1 12	7 56.39	+26 36.9	1.357	2.335	3.2	19.3
1 22	7 45.01	+27 8.7	1.346	2.322	4.1	19.3
2 1	7 34.21	+27 28.3	1.363	2.309	8.9	19.6
2 11	7 25.54	+27 34.4	1.404	2.296	13.5	19.8
2 21	7 20.02	+27 28.4	1.467	2.284	17.5	20.0

319671 2006 TV_{51} 1 16.7 137.°05 4.°6/14.4 18

12 13	8 21.60	+31 12.0	1.995	2.811	13.4	20.7
12 23	8 15.57	+32 19.9	1.928	2.820	10.2	20.5
1 2	8 6.88	+33 26.2	1.885	2.828	7.0	20.4
1 12	7 56.35	+34 23.5	1.871	2.836	4.7	20.2
1 22	7 45.15	+35 5.8	1.886	2.843	5.6	20.3
2 1	7 34.63	+35 29.8	1.929	2.850	8.5	20.5
2 11	7 26.00	+35 35.8	1.998	2.857	11.7	20.7
2 21	7 20.06	+35 26.6	2.090	2.863	14.5	20.9

320703 2008 DO_{35} 1 16.7 204.°19 4.°9/14.6 18

12 13	8 23.62	+34 59.8	2.287	3.091	12.3	21.4
12 23	8 16.88	+35 38.9	2.205	3.087	9.6	21.2
1 2	8 7.60	+36 12.6	2.148	3.082	6.8	21.0
1 12	7 56.57	+36 35.0	2.118	3.076	5.0	20.9
1 22	7 44.90	+36 41.7	2.119	3.070	5.7	20.9
2 1	7 33.86	+36 30.8	2.149	3.064	8.2	21.1
2 11	7 24.60	+36 3.7	2.206	3.057	11.0	21.2
2 21	7 17.89	+35 24.1	2.286	3.049	13.7	21.4

522060 2015 XX_{415} 1 16.7 243.°65 1.°3/17.2 18

12 13	8 19.01	+17 30.1	2.095	2.897	13.3	21.5
12 23	8 13.36	+17 15.7	2.000	2.887	10.2	21.3
1 2	8 5.42	+17 7.1	1.930	2.876	6.5	21.0
1 12	7 55.87	+17 2.8	1.887	2.865	2.6	20.7
1 22	7 45.66	+17 1.1	1.874	2.853	2.5	20.7
2 1	7 35.89	+17 0.4	1.891	2.841	6.4	20.9
2 11	7 27.60	+16 59.5	1.936	2.829	10.3	21.2
2 21	7 21.56	+16 57.5	2.005	2.817	13.6	21.3

418428 2008 OF_{11} 1 16.7 90.°88 1.°2/16.3 18

12 13	8 20.63	+24 54.8	2.024	2.838	13.3	20.6
12 23	8 14.49	+24 51.8	1.951	2.846	10.0	20.4
1 2	8 6.01	+24 49.3	1.903	2.854	6.2	20.2
1 12	7 56.01	+24 43.9	1.882	2.862	2.2	19.9
1 22	7 45.58	+24 33.4	1.892	2.870	2.7	20.0
2 1	7 35.87	+24 16.6	1.931	2.877	6.6	20.2
2 11	7 27.91	+23 53.9	1.997	2.885	10.3	20.5
2 21	7 22.37	+23 26.8	2.088	2.893	13.4	20.7

325440 2009 PP_{20} 1 16.7 45.°07 4.°8/19.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.79	+ 6 51.6	1.703	2.494	16.3	20.4
12 23	8 10.38	+ 6 50.4	1.635	2.505	13.0	20.2
1 2	8 3.61	+ 7 7.6	1.588	2.517	9.3	20.0
1 12	7 55.26	+ 7 42.6	1.566	2.528	5.9	19.9
1 22	7 46.38	+ 8 32.7	1.572	2.540	5.0	19.8
2 1	7 38.12	+ 9 33.1	1.606	2.553	7.7	20.0
2 11	7 31.54	+10 38.1	1.665	2.565	11.2	20.2
2 21	7 27.36	+11 42.5	1.748	2.578	14.5	20.5

297043 2010 GU_{160} 1 16.7 277.°40 4.°6/19.5 18

12 13	8 12.52	+ 4 28.1	2.439	3.202	12.8	20.8
12 23	8 8.23	+ 4 31.9	2.338	3.189	10.4	20.6
1 2	8 2.14	+ 4 51.0	2.261	3.176	7.7	20.4
1 12	7 54.78	+ 5 25.5	2.211	3.163	5.3	20.3
1 22	7 46.86	+ 6 13.8	2.189	3.150	4.7	20.2
2 1	7 39.19	+ 7 13.0	2.197	3.136	6.5	20.3
2 11	7 32.60	+ 8 18.9	2.233	3.123	9.3	20.4
2 21	7 27.71	+ 9 27.2	2.295	3.110	12.0	20.6

124361 2001 QW_{133} 1 16.7 143.°22 2.°8/17.6 18

12 13	8 21.36	+14 8.0	1.629	2.434	16.4	20.4
12 23	8 15.48	+13 53.0	1.555	2.440	12.6	20.1
1 2	8 6.85	+13 49.2	1.503	2.447	8.3	19.9
1 12	7 56.35	+13 55.1	1.478	2.452	4.0	19.7
1 22	7 45.19	+14 8.6	1.481	2.458	3.5	19.6
2 1	7 34.76	+14 26.6	1.512	2.463	7.7	19.9
2 11	7 26.32	+14 46.3	1.570	2.467	11.9	20.2
2 21	7 20.66	+15 5.3	1.650	2.472	15.7	20.4

387497 1995 UJ_{61} 1 16.7 121.°09 5.°6/14.7 17

12 13	8 27.23	+32 34.1	1.621	2.439	15.8	21.3
12 23	8 20.21	+33 35.7	1.563	2.455	12.2	21.2
1 2	8 9.88	+34 32.9	1.529	2.470	8.4	21.0
1 12	7 57.34	+35 16.9	1.521	2.484	5.8	20.8
1 22	7 44.14	+35 40.9	1.541	2.498	6.6	20.9
2 1	7 32.04	+35 42.4	1.588	2.511	9.9	21.1
2 11	7 22.52	+35 23.8	1.661	2.524	13.4	21.4
2 21	7 16.38	+34 50.2	1.755	2.536	16.5	21.6

337976 2002 CH_{112} 1 16.7 296.°33 8.°0/20.8 17

12 13	8 13.45	− 2 8.1	1.955	2.700	16.1	20.7
12 23	8 9.45	− 2 24.8	1.849	2.676	13.7	20.5
1 2	8 3.18	− 2 18.9	1.763	2.652	11.1	20.2
1 12	7 55.20	− 1 47.4	1.701	2.629	8.9	20.1
1 22	7 46.35	− 0 50.2	1.665	2.605	8.1	20.0
2 1	7 37.71	+ 0 30.0	1.656	2.581	9.4	20.0
2 11	7 30.36	+ 2 6.9	1.674	2.557	12.2	20.1
2 21	7 25.15	+ 3 52.8	1.715	2.534	15.3	20.2

301720 2010 GB_{105} 1 16.7 230.°88 1.°6/17.3 18

12 13	8 19.39	+15 48.2	1.685	2.495	15.7	21.2
12 23	8 14.15	+15 56.1	1.599	2.489	12.0	20.9
1 2	8 6.15	+16 14.9	1.535	2.482	7.7	20.7
1 12	7 56.17	+16 42.2	1.497	2.475	3.1	20.4
1 22	7 45.34	+17 14.4	1.488	2.468	2.9	20.3
2 1	7 35.03	+17 47.4	1.508	2.460	7.5	20.6
2 11	7 26.56	+18 18.1	1.554	2.452	12.0	20.8
2 21	7 20.80	+18 44.3	1.622	2.444	15.9	21.1

130486 2000 QA_{106} 1 16.7 22.°41 1.°0/17.2 18

12 13	8 12.89	+13 59.5	1.001	1.852	20.9	18.0
12 23	8 10.28	+15 1.8	0.952	1.864	15.9	17.7
1 2	8 4.12	+16 26.7	0.922	1.879	10.0	17.4
1 12	7 55.52	+18 6.8	0.914	1.894	3.6	17.1
1 22	7 46.13	+19 50.8	0.931	1.912	3.3	17.2
2 1	7 37.84	+21 27.5	0.971	1.931	9.4	17.6
2 11	7 32.24	+22 48.9	1.034	1.951	14.8	17.9
2 21	7 30.21	+23 51.8	1.116	1.972	19.2	18.3

145141 2005 GF_{168} 1 16.7 188.°21 2.°3/17.7 18

12 13	8 18.38	+13 26.9	2.113	2.906	13.5	21.1
12 23	8 12.79	+13 25.0	2.027	2.905	10.5	20.9
1 2	8 5.02	+13 32.9	1.964	2.904	6.9	20.7
1 12	7 55.74	+13 49.4	1.929	2.903	3.4	20.5
1 22	7 45.88	+14 12.1	1.924	2.901	2.9	20.4
2 1	7 36.47	+14 38.4	1.949	2.898	6.4	20.6
2 11	7 28.52	+15 5.5	2.002	2.895	10.0	20.9
2 21	7 22.72	+15 31.4	2.080	2.892	13.2	21.1

353459 2011 RK_{16} 1 16.7 99.°37 0.°3/16.9 18

12 13	8 21.47	+17 49.0	1.648	2.460	15.9	21.0
12 23	8 15.46	+18 22.5	1.588	2.481	11.9	20.8
1 2	8 6.77	+19 5.6	1.551	2.501	7.4	20.6
1 12	7 56.30	+19 53.6	1.541	2.520	2.5	20.3
1 22	7 45.32	+20 41.1	1.559	2.539	2.6	20.4
2 1	7 35.19	+21 23.7	1.607	2.558	7.3	20.7
2 11	7 27.09	+21 58.5	1.681	2.576	11.5	21.0
2 21	7 21.76	+22 24.7	1.779	2.594	15.0	21.3

166534 2002 RT_{20} 1 16.7 55°.52 3°.7/18.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.74	+ 7 52.9	2.074	2.859	14.0	19.7
12 23	8 9.27	+ 8 4.8	1.998	2.867	11.1	19.5
1 2	8 2.80	+ 8 32.0	1.946	2.876	7.8	19.3
1 12	7 55.00	+ 9 13.3	1.920	2.884	4.7	19.1
1 22	7 46.71	+10 5.9	1.923	2.893	4.0	19.1
2 1	7 38.90	+11 5.6	1.954	2.902	6.5	19.3
2 11	7 32.46	+12 8.0	2.014	2.911	9.7	19.5
2 21	7 28.02	+13 8.9	2.098	2.920	12.7	19.7

271647 2004 PM_{105} 1 16.7 188°.61 2°.6/17.6 18

12 13	8 19.30	+14 37.3	2.139	2.932	13.4	20.5
12 23	8 13.39	+14 5.3	2.053	2.932	10.3	20.3
1 2	8 5.34	+13 40.1	1.991	2.931	6.8	20.0
1 12	7 55.83	+13 21.6	1.958	2.930	3.5	19.8
1 22	7 45.80	+13 8.9	1.954	2.929	3.2	19.8
2 1	7 36.29	+13 1.1	1.981	2.928	6.4	20.0
2 11	7 28.26	+12 56.9	2.035	2.926	10.0	20.2
2 21	7 22.39	+12 54.9	2.114	2.924	13.1	20.4

183583 2003 SV_{177} 1 16.7 148°.41 2°.0/17.6 18

12 13	8 19.98	+14 23.4	1.971	2.768	14.2	21.3
12 23	8 14.03	+14 26.6	1.895	2.777	10.9	21.1
1 2	8 5.78	+14 39.7	1.843	2.785	7.1	20.9
1 12	7 55.99	+15 0.8	1.818	2.793	3.2	20.6
1 22	7 45.65	+15 27.1	1.822	2.800	2.8	20.6
2 1	7 35.91	+15 55.4	1.857	2.807	6.6	20.9
2 11	7 27.79	+16 23.1	1.919	2.813	10.3	21.1
2 21	7 22.01	+16 48.1	2.006	2.818	13.6	21.3

381203 2007 RF_{70} 1 16.8 69°.16 0°.3/16.6 18

12 13	8 16.31	+20 0.8	2.128	2.939	12.8	21.1
12 23	8 11.13	+20 26.9	2.064	2.957	9.6	21.0
1 2	8 3.89	+20 58.6	2.024	2.975	5.9	20.8
1 12	7 55.34	+21 32.4	2.013	2.993	1.9	20.5
1 22	7 46.39	+22 4.6	2.032	3.011	2.2	20.6
2 1	7 38.05	+22 32.5	2.080	3.029	6.0	20.9
2 11	7 31.22	+22 54.1	2.156	3.047	9.5	21.1
2 21	7 26.50	+23 9.1	2.256	3.065	12.4	21.3

253174 2002 XQ_{1} 1 16.8 69°.84 8°.6/20.5 18

12 13	8 16.27	− 0 54.5	1.726	2.481	17.6	20.1
12 23	8 11.44	− 1 42.2	1.659	2.492	14.8	19.9
1 2	8 4.26	− 2 7.5	1.611	2.504	11.8	19.7
1 12	7 55.50	− 2 7.5	1.588	2.515	9.4	19.6
1 22	7 46.20	− 1 42.3	1.589	2.526	8.6	19.6
2 1	7 37.53	− 0 54.8	1.617	2.538	10.0	19.7
2 11	7 30.53	+ 0 8.9	1.670	2.549	12.5	19.9
2 21	7 25.92	+ 1 21.6	1.746	2.561	15.2	20.1

417206 2005 XC_{50} 1 16.8 3°.42 1°.2/17.0 18

12 13	8 16.81	+19 30.3	1.431	2.264	16.8	20.0
12 23	8 12.45	+19 3.2	1.360	2.263	12.8	19.8
1 2	8 5.15	+18 42.0	1.310	2.263	8.0	19.5
1 12	7 55.83	+18 24.9	1.285	2.264	3.0	19.2
1 22	7 45.84	+18 10.3	1.286	2.266	2.9	19.2
2 1	7 36.66	+17 56.6	1.314	2.269	8.0	19.5
2 11	7 29.64	+17 43.0	1.367	2.274	12.7	19.8
2 21	7 25.58	+17 29.0	1.441	2.279	16.6	20.1

2492 Kutuzov 1 16.8 187°.33 0°.3/16.6 18

12 13	8 14.90	+20 55.0	2.841	3.643	10.2	17.3
12 23	8 9.74	+21 13.1	2.754	3.642	7.6	17.2
1 2	8 2.94	+21 34.7	2.692	3.642	4.7	17.0
1 12	7 55.03	+21 57.6	2.661	3.640	1.5	16.7
1 22	7 46.71	+22 19.2	2.660	3.639	1.8	16.8
2 1	7 38.74	+22 37.6	2.690	3.637	5.0	17.0
2 11	7 31.84	+22 51.4	2.749	3.635	7.9	17.2
2 21	7 26.57	+23 0.3	2.834	3.633	10.4	17.3

243526 Russwalker 1 16.8 329°.79 7°.7/19.2 18

12 13	8 13.57	+ 2 13.6	1.925	2.692	15.6	19.8
12 23	8 9.44	+ 1 7.3	1.834	2.678	13.1	19.6
1 2	8 3.09	+ 0 16.5	1.764	2.665	10.4	19.4
1 12	7 55.17	− 0 15.3	1.718	2.652	8.3	19.3
1 22	7 46.56	− 0 26.3	1.699	2.640	7.8	19.2
2 1	7 38.30	− 0 17.1	1.706	2.628	9.4	19.3
2 11	7 31.44	+ 0 9.2	1.739	2.617	12.1	19.4
2 21	7 26.72	+ 0 47.7	1.793	2.607	14.9	19.6

297252 1995 GS_{2} 1 16.8 328°.58 0°.1/16.7 18

12 13	8 16.02	+18 51.4	1.299	2.138	17.8	20.2
12 23	8 12.42	+19 18.9	1.219	2.126	13.6	20.0
1 2	8 5.49	+19 58.9	1.160	2.116	8.5	19.6
1 12	7 56.07	+20 46.8	1.125	2.105	2.8	19.3
1 22	7 45.54	+21 36.0	1.115	2.096	3.2	19.3
2 1	7 35.63	+22 20.3	1.132	2.087	9.0	19.6
2 11	7 27.99	+22 55.6	1.171	2.079	14.3	19.8
2 21	7 23.71	+23 20.3	1.231	2.072	18.8	20.1

182065 2000 EH_{154} 1 16.8 283°.77 7°.5/13.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 23.01	+37 18.1	1.797	2.614	14.6	20.4
12 23	8 17.58	+38 36.1	1.706	2.590	11.7	20.1
1 2	8 8.70	+39 49.8	1.638	2.567	9.0	19.9
1 12	7 57.16	+40 49.4	1.596	2.543	7.5	19.8
1 22	7 44.30	+41 26.3	1.581	2.519	8.6	19.8
2 1	7 31.91	+41 35.5	1.592	2.494	11.4	19.9
2 11	7 21.73	+41 18.2	1.628	2.470	14.7	20.0
2 21	7 14.94	+40 39.3	1.683	2.445	17.9	20.2

345133 2005 SL_{4} 1 16.8 73°.56 5°.6/15.3 17

12 13	8 26.91	+31 45.8	1.321	2.153	18.0	20.3
12 23	8 20.37	+32 31.1	1.271	2.171	13.7	20.1
1 2	8 10.11	+33 11.5	1.243	2.190	9.2	19.9
1 12	7 57.45	+33 37.9	1.239	2.208	5.8	19.7
1 22	7 44.24	+33 43.6	1.262	2.227	6.7	19.8
2 1	7 32.46	+33 27.2	1.311	2.245	10.5	20.1
2 11	7 23.70	+32 52.4	1.384	2.263	14.5	20.4
2 21	7 18.70	+32 5.1	1.477	2.281	18.0	20.7

25411 1999 VM_{37} 1 16.8 140°.43 4°.2/18.3 18

12 13	8 19.16	+ 9 52.5	1.889	2.676	15.1	18.4
12 23	8 13.48	+ 9 25.7	1.812	2.683	11.9	18.2
1 2	8 5.48	+ 9 11.6	1.758	2.689	8.3	18.0
1 12	7 55.92	+ 9 10.3	1.731	2.696	5.1	17.8
1 22	7 45.81	+ 9 20.5	1.733	2.702	4.5	17.7
2 1	7 36.30	+ 9 40.1	1.763	2.707	7.4	17.9
2 11	7 28.43	+10 5.7	1.820	2.713	10.9	18.1
2 21	7 22.90	+10 34.2	1.901	2.718	14.1	18.4

160157 2001 RZ_{19} 1 16.8 206°.30 2°.5/18.3 18

12 13	8 13.92	+10 23.9	2.935	3.709	10.6	21.5
12 23	8 8.95	+10 29.8	2.838	3.703	8.3	21.3
1 2	8 2.45	+10 44.8	2.766	3.697	5.7	21.1
1 12	7 54.90	+11 8.3	2.724	3.691	3.2	20.9
1 22	7 46.92	+11 38.5	2.712	3.684	2.8	20.9
2 1	7 39.20	+12 13.4	2.731	3.676	5.0	21.0
2 11	7 32.43	+12 50.3	2.779	3.668	7.7	21.2
2 21	7 27.12	+13 27.2	2.854	3.660	10.2	21.3

62637 2000 SZ_{356} 1 16.8 113°.34 3°.5/15.4 18

12 13	8 23.64	+27 25.5	1.691	2.511	15.2	19.4
12 23	8 17.29	+28 17.6	1.630	2.527	11.4	19.2
1 2	8 8.01	+29 10.5	1.593	2.542	7.3	19.0
1 12	7 56.77	+29 57.0	1.582	2.556	3.8	18.8
1 22	7 44.92	+30 30.9	1.601	2.571	4.7	18.9
2 1	7 33.98	+30 49.0	1.648	2.584	8.5	19.1
2 11	7 25.24	+30 51.6	1.720	2.597	12.3	19.4
2 21	7 19.51	+30 41.2	1.815	2.610	15.5	19.6

166245 2002 GG_{16} 1 16.8 255°.13 1°.3/17.3 18

12 13	8 18.63	+16 4.6	1.754	2.564	15.2	20.9
12 23	8 13.61	+16 19.4	1.660	2.551	11.6	20.6
1 2	8 5.88	+16 45.3	1.589	2.537	7.5	20.4
1 12	7 56.15	+17 19.6	1.545	2.523	2.9	20.1
1 22	7 45.49	+17 58.4	1.529	2.509	2.7	20.0
2 1	7 35.25	+18 37.5	1.542	2.495	7.4	20.3
2 11	7 26.71	+19 13.3	1.582	2.480	11.9	20.5
2 21	7 20.80	+19 43.7	1.644	2.465	15.8	20.7

282872 2007 EV_{55} 1 16.8 129°.19 0°.2/16.7 18

12 13	8 21.98	+18 59.0	1.651	2.465	15.8	21.3
12 23	8 15.99	+19 33.1	1.583	2.477	11.9	21.1
1 2	8 7.21	+20 16.0	1.538	2.489	7.3	20.8
1 12	7 56.52	+21 3.1	1.520	2.500	2.4	20.6
1 22	7 45.18	+21 48.6	1.531	2.511	2.7	20.6
2 1	7 34.61	+22 28.1	1.571	2.521	7.5	20.9
2 11	7 26.09	+22 59.1	1.637	2.530	11.8	21.2
2 21	7 20.40	+23 20.8	1.726	2.539	15.4	21.5

253745 2003 WH_{61} 1 16.8 5°.13 4°.3/18.4 18

12 13	8 14.98	+ 9 41.4	1.933	2.726	14.6	20.3
12 23	8 10.37	+ 9 10.0	1.853	2.726	11.6	20.1
1 2	8 3.58	+ 8 50.9	1.795	2.727	8.2	19.9
1 12	7 55.31	+ 8 44.5	1.764	2.728	5.1	19.7
1 22	7 46.49	+ 8 50.2	1.760	2.729	4.6	19.7
2 1	7 38.18	+ 9 5.8	1.785	2.730	7.2	19.9
2 11	7 31.36	+ 9 28.6	1.836	2.732	10.6	20.1
2 21	7 26.71	+ 9 55.0	1.911	2.734	13.8	20.3

114359 2002 XD_{85} 1 16.8 132°.10 3°.2/15.3 18

12 13	8 21.98	+28 40.6	2.108	2.919	12.9	19.3
12 23	8 15.58	+29 24.1	2.041	2.932	9.7	19.1
1 2	8 6.76	+30 6.7	1.999	2.945	6.3	18.9
1 12	7 56.33	+30 43.0	1.985	2.957	3.5	18.8
1 22	7 45.40	+31 8.3	2.001	2.968	4.2	18.8
2 1	7 35.16	+31 20.2	2.047	2.979	7.4	19.1
2 11	7 26.70	+31 19.0	2.120	2.990	10.6	19.3
2 21	7 20.72	+31 6.6	2.216	2.999	13.4	19.5

485438 2011 QC_{63} 1 16.8 146°.22 4°.2/15.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 25.56	+30 46.3	1.880	2.692	14.2	21.4
12 23	8 18.58	+31 27.8	1.812	2.702	10.8	21.2
1 2	8 8.75	+32 6.4	1.768	2.712	7.2	21.0
1 12	7 57.01	+32 35.6	1.752	2.721	4.4	20.9
1 22	7 44.68	+32 50.1	1.765	2.729	5.2	20.9
2 1	7 33.20	+32 47.9	1.807	2.737	8.4	21.2
2 11	7 23.86	+32 30.3	1.876	2.743	11.9	21.4
2 21	7 17.42	+32 0.8	1.967	2.750	14.9	21.6

506367 2017 QQ_{22} 1 16.8 162°.87 0°.1/16.8 18

12 13	8 15.17	+19 20.6	2.527	3.331	11.2	21.6
12 23	8 10.11	+19 35.7	2.444	3.333	8.5	21.4
1 2	8 3.25	+19 55.8	2.386	3.335	5.2	21.2
1 12	7 55.18	+20 18.5	2.357	3.337	1.7	21.0
1 22	7 46.67	+20 41.2	2.359	3.339	1.9	21.0
2 1	7 38.56	+21 1.6	2.391	3.340	5.3	21.2
2 11	7 31.67	+21 18.2	2.451	3.341	8.5	21.5
2 21	7 26.57	+21 30.2	2.537	3.342	11.3	21.6

167763 2004 XM_{141} 1 16.8 356°.69 0°.1/16.8 18

12 13	8 15.69	+18 18.0	1.275	2.114	18.0	19.3
12 23	8 12.08	+18 47.1	1.204	2.111	13.7	19.0
1 2	8 5.20	+19 29.2	1.154	2.109	8.5	18.7
1 12	7 55.96	+20 19.3	1.127	2.107	2.8	18.4
1 22	7 45.77	+21 10.9	1.126	2.107	3.1	18.4
2 1	7 36.34	+21 57.7	1.151	2.107	8.8	18.7
2 11	7 29.24	+22 35.5	1.200	2.108	13.9	19.0
2 21	7 25.42	+23 2.6	1.268	2.110	18.3	19.3

214973 2008 AZ_{15} 1 16.8 192°.46 1°.1/17.2 18

12 13	8 19.81	+17 23.0	2.216	3.014	12.8	20.9
12 23	8 13.81	+17 20.3	2.128	3.012	9.8	20.7
1 2	8 5.64	+17 23.8	2.064	3.010	6.2	20.4
1 12	7 55.99	+17 31.6	2.029	3.007	2.4	20.2
1 22	7 45.78	+17 41.5	2.024	3.004	2.3	20.2
2 1	7 36.03	+17 51.5	2.050	3.000	6.1	20.4
2 11	7 27.74	+18 0.0	2.104	2.995	9.7	20.6
2 21	7 21.58	+18 6.1	2.183	2.990	12.9	20.8

380480 Glennhawley 1 16.8 55°.08 3°.7/14.8 18

12 13	8 17.33	+28 45.7	2.040	2.861	12.9	21.2
12 23	8 12.32	+29 50.0	1.970	2.867	9.8	21.0
1 2	8 4.88	+30 54.8	1.926	2.873	6.4	20.8
1 12	7 55.77	+31 53.8	1.910	2.880	3.9	20.7
1 22	7 46.04	+32 41.3	1.922	2.887	4.8	20.7
2 1	7 36.89	+33 13.8	1.964	2.893	7.8	20.9
2 11	7 29.42	+33 30.4	2.031	2.900	11.1	21.1
2 21	7 24.38	+33 32.9	2.121	2.907	13.9	21.3

450521 2006 BQ_{57} 1 16.8 290°.83 0°.1/16.8 18

12 13	8 18.10	+17 27.7	1.478	2.303	16.8	20.8
12 23	8 13.60	+18 12.0	1.399	2.298	12.7	20.5
1 2	8 6.04	+19 9.9	1.341	2.294	8.0	20.2
1 12	7 56.25	+20 16.4	1.310	2.290	2.7	19.9
1 22	7 45.48	+21 24.6	1.305	2.286	2.9	19.9
2 1	7 35.30	+22 27.7	1.329	2.281	8.2	20.2
2 11	7 27.18	+23 20.9	1.377	2.277	13.1	20.4
2 21	7 22.10	+24 2.3	1.447	2.273	17.2	20.7

302955 2003 UQ_{91} 1 16.8 257°.97 3°.1/15.4 18

12 13	8 20.69	+26 12.8	1.798	2.618	14.4	20.8
12 23	8 15.35	+27 2.9	1.705	2.603	11.0	20.5
1 2	8 7.07	+27 57.0	1.636	2.587	7.0	20.3
1 12	7 56.60	+28 48.5	1.594	2.570	3.5	20.0
1 22	7 45.08	+29 31.1	1.581	2.553	4.4	20.0
2 1	7 33.99	+29 59.8	1.597	2.536	8.5	20.2
2 11	7 24.75	+30 13.3	1.638	2.518	12.6	20.4
2 21	7 18.38	+30 13.0	1.702	2.500	16.3	20.6

8346 1987 DW_{6} 1 16.8 289°.33 0°.7/16.4 18

12 13	8 15.25	+21 57.5	2.302	3.115	11.9	17.8
12 23	8 10.50	+22 17.4	2.207	3.101	9.0	17.6
1 2	8 3.68	+22 41.4	2.137	3.088	5.6	17.3
1 12	7 55.39	+23 6.6	2.094	3.074	1.9	17.1
1 22	7 46.47	+23 29.7	2.082	3.061	2.3	17.1
2 1	7 37.91	+23 48.0	2.099	3.047	6.1	17.3
2 11	7 30.66	+24 0.0	2.144	3.034	9.6	17.5
2 21	7 25.42	+24 5.5	2.214	3.020	12.7	17.7

27420 2000 EF_{158} 1 16.8 305°.20 2°.4/17.4 18

12 13	8 19.28	+16 14.2	1.678	2.490	15.6	18.5
12 23	8 14.03	+15 41.6	1.593	2.483	12.1	18.2
1 2	8 6.07	+15 16.3	1.530	2.476	7.9	18.0
1 12	7 56.21	+14 57.8	1.494	2.469	3.6	17.7
1 22	7 45.59	+14 44.9	1.485	2.463	3.3	17.6
2 1	7 35.57	+14 36.4	1.505	2.456	7.6	17.9
2 11	7 27.41	+14 30.9	1.550	2.450	11.9	18.1
2 21	7 21.94	+14 27.1	1.619	2.444	15.7	18.3

393187 2013 CW_{118} 1 16.8 232°.51 1°.6/18.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 9.99	+12 12.7	3.782	4.560	8.3	21.7
12 23	8 5.77	+12 24.1	3.680	4.550	6.4	21.5
1 2	8 0.40	+12 42.2	3.604	4.539	4.3	21.4
1 12	7 54.26	+13 5.8	3.558	4.529	2.2	21.2
1 22	7 47.79	+13 33.8	3.543	4.518	1.9	21.2
2 1	7 41.51	+14 4.4	3.560	4.507	3.9	21.3
2 11	7 35.91	+14 35.9	3.607	4.496	6.1	21.4
2 21	7 31.40	+15 6.8	3.681	4.485	8.1	21.6

503040 2015 FR_{150} 1 16.8 100°.55 2°.1/15.6 18

12 13	8 15.06	+26 20.2	2.579	3.392	10.8	21.7
12 23	8 10.11	+26 54.1	2.499	3.393	8.1	21.5
1 2	8 3.30	+27 29.0	2.445	3.394	5.1	21.3
1 12	7 55.24	+28 1.3	2.419	3.395	2.4	21.1
1 22	7 46.72	+28 27.5	2.424	3.396	3.0	21.2
2 1	7 38.61	+28 45.3	2.459	3.397	5.9	21.4
2 11	7 31.75	+28 54.0	2.521	3.398	8.9	21.6
2 21	7 26.75	+28 54.0	2.608	3.399	11.4	21.7

305315 2008 AH_{45} 1 16.8 51°.99 1°.8/15.9 17

12 13	8 19.70	+21 4.4	1.366	2.199	17.4	20.0
12 23	8 14.64	+22 11.6	1.318	2.223	12.9	19.8
1 2	8 6.49	+23 27.3	1.293	2.248	7.9	19.6
1 12	7 56.32	+24 43.5	1.293	2.273	2.8	19.3
1 22	7 45.61	+25 51.8	1.320	2.298	3.7	19.5
2 1	7 35.94	+26 46.4	1.375	2.323	8.6	19.8
2 11	7 28.68	+27 25.0	1.455	2.349	12.9	20.1
2 21	7 24.56	+27 48.4	1.555	2.375	16.5	20.4

328313 2008 HU_{36} 1 16.8 169°.01 6°.2/19.9 18

12 13	8 15.87	+ 1 36.3	2.285	3.033	14.0	21.9
12 23	8 10.74	+ 1 9.5	2.201	3.036	11.6	21.7
1 2	8 3.70	+ 0 59.0	2.140	3.038	9.0	21.6
1 12	7 55.38	+ 1 6.1	2.104	3.040	6.8	21.4
1 22	7 46.56	+ 1 30.3	2.097	3.042	6.2	21.4
2 1	7 38.14	+ 2 9.3	2.118	3.044	7.6	21.5
2 11	7 30.97	+ 2 59.2	2.167	3.045	10.1	21.6
2 21	7 25.68	+ 3 55.5	2.240	3.045	12.6	21.8

271687 2004 RY_{96} 1 16.8 62°.48 0°.8/17.0 18

12 13	8 19.80	+19 9.9	1.793	2.606	14.8	20.5
12 23	8 13.99	+18 57.1	1.730	2.623	11.1	20.3
1 2	8 5.78	+18 50.0	1.692	2.641	6.9	20.1
1 12	7 56.04	+18 46.4	1.680	2.659	2.5	19.8
1 22	7 45.92	+18 44.0	1.697	2.677	2.4	19.9
2 1	7 36.61	+18 41.2	1.744	2.696	6.7	20.2
2 11	7 29.17	+18 36.9	1.817	2.714	10.6	20.4
2 21	7 24.23	+18 30.7	1.913	2.732	13.9	20.7

422926 2002 TP_{173} 1 16.8 74°.08 1°.7/15.9 18

12 13	8 19.33	+24 18.2	2.205	3.015	12.4	21.4
12 23	8 13.28	+24 59.0	2.154	3.047	9.2	21.2
1 2	8 5.18	+25 41.7	2.129	3.079	5.7	21.0
1 12	7 55.82	+26 21.7	2.133	3.110	2.3	20.9
1 22	7 46.16	+26 55.1	2.166	3.141	2.9	21.0
2 1	7 37.23	+27 19.3	2.230	3.172	6.2	21.2
2 11	7 29.90	+27 33.8	2.322	3.202	9.4	21.5
2 21	7 24.74	+27 39.3	2.439	3.232	12.1	21.7

17114 1999 JJ_{54} 1 16.8 335°.42 2°.6/17.8 18

12 13	8 14.18	+13 25.2	2.063	2.865	13.5	17.9
12 23	8 9.75	+13 13.1	1.976	2.859	10.4	17.7
1 2	8 3.23	+13 10.5	1.912	2.854	7.0	17.5
1 12	7 55.25	+13 16.7	1.875	2.848	3.6	17.3
1 22	7 46.71	+13 30.2	1.867	2.843	3.1	17.2
2 1	7 38.59	+13 48.5	1.888	2.839	6.4	17.4
2 11	7 31.85	+14 9.3	1.936	2.834	10.0	17.6
2 21	7 27.20	+14 30.1	2.007	2.830	13.2	17.8

175920 Francisnimmo 1 16.8 105°.06 1°.9/17.7 18

12 13	8 18.74	+13 29.6	1.883	2.682	14.7	20.9
12 23	8 13.18	+13 53.0	1.816	2.699	11.2	20.7
1 2	8 5.31	+14 28.4	1.772	2.716	7.3	20.5
1 12	7 55.91	+15 13.1	1.756	2.732	3.2	20.3
1 22	7 46.03	+16 2.9	1.769	2.748	2.7	20.3
2 1	7 36.79	+16 53.4	1.812	2.764	6.6	20.6
2 11	7 29.23	+17 40.9	1.883	2.779	10.4	20.9
2 21	7 24.03	+18 22.9	1.977	2.793	13.6	21.1

263382 2008 CM_{192} 1 16.8 197°.87 6°.6/20.2 18

12 13	8 16.00	+ 0 55.1	2.055	2.806	15.2	20.6
12 23	8 11.09	+ 0 40.2	1.968	2.804	12.6	20.5
1 2	8 4.06	+ 0 44.7	1.902	2.802	9.8	20.3
1 12	7 55.53	+ 1 9.9	1.862	2.800	7.4	20.1
1 22	7 46.39	+ 1 54.7	1.849	2.797	6.6	20.1
2 1	7 37.64	+ 2 56.0	1.864	2.794	8.2	20.2
2 11	7 30.26	+ 4 8.4	1.907	2.790	10.9	20.3
2 21	7 24.95	+ 5 26.1	1.973	2.786	13.8	20.5

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
390389 2013 WY_{81}			1 16.8 340°.57	11°.6/19.0 18		
	h m	° ′			°	m
12 13	8 15.59	− 5 15.0	1.889	2.615	17.2	19.6
12 23	8 11.03	− 7 17.0	1.804	2.604	15.2	19.4
1 2	8 4.15	− 9 1.0	1.741	2.593	13.3	19.2
1 12	7 55.60	−10 20.2	1.701	2.583	11.9	19.1
1 22	7 46.30	−11 9.9	1.685	2.574	11.6	19.1
2 1	7 37.36	−11 28.6	1.694	2.566	12.6	19.1
2 11	7 29.86	−11 19.1	1.725	2.559	14.4	19.2
2 21	7 24.62	−10 47.1	1.777	2.552	16.6	19.4
135178 2001 QL_{282}			1 16.8 187°.09	8°.9/ 9.8 18		
12 13	8 26.36	+51 13.4	2.766	3.524	11.5	20.3
12 23	8 19.47	+52 48.8	2.706	3.524	10.2	20.1
1 2	8 9.55	+54 11.3	2.671	3.523	9.2	20.1
1 12	7 57.42	+55 13.2	2.662	3.522	8.9	20.1
1 22	7 44.32	+55 49.2	2.679	3.520	9.5	20.1
2 1	7 31.79	+55 57.5	2.721	3.519	10.7	20.2
2 11	7 21.27	+55 40.5	2.786	3.517	12.2	20.3
2 21	7 13.72	+55 3.3	2.870	3.514	13.6	20.4
271268 2003 UR_{172}			1 16.8 145°.55	3°.8/18.9 18		
12 13	8 14.47	+ 7 37.3	2.308	3.084	13.0	20.5
12 23	8 9.70	+ 7 39.3	2.225	3.088	10.4	20.3
1 2	8 3.07	+ 7 54.8	2.165	3.091	7.4	20.2
1 12	7 55.18	+ 8 23.2	2.133	3.094	4.6	20.0
1 22	7 46.82	+ 9 2.5	2.130	3.098	4.0	20.0
2 1	7 38.86	+ 9 49.7	2.156	3.101	6.2	20.1
2 11	7 32.12	+10 40.9	2.211	3.103	9.2	20.3
2 21	7 27.22	+11 32.7	2.291	3.106	12.0	20.5
381957 2010 EH_{69}			1 16.8 10°.55	5°.3/19.6 18		
12 13	8 12.61	+ 4 39.4	1.957	2.735	15.0	20.3
12 23	8 8.61	+ 4 33.4	1.878	2.737	12.1	20.1
1 2	8 2.53	+ 4 45.3	1.820	2.739	9.0	19.9
1 12	7 55.03	+ 5 15.2	1.788	2.741	6.2	19.7
1 22	7 46.99	+ 6 1.4	1.783	2.744	5.4	19.7
2 1	7 39.39	+ 7 0.0	1.805	2.747	7.4	19.8
2 11	7 33.19	+ 8 6.1	1.855	2.751	10.5	20.0
2 21	7 29.05	+ 9 14.2	1.929	2.755	13.5	20.2
4984 Patrickmiller			1 16.8 138°.21	0°.7/17.1 18		
12 13	8 23.11	+17 49.9	1.797	2.602	15.1	18.7
12 23	8 16.60	+18 1.6	1.727	2.615	11.4	18.5
1 2	8 7.49	+18 21.3	1.680	2.628	7.1	18.3
1 12	7 56.66	+18 45.7	1.661	2.640	2.5	18.0
1 22	7 45.27	+19 11.0	1.672	2.651	2.5	18.0
2 1	7 34.63	+19 34.1	1.712	2.662	7.0	18.3
2 11	7 25.90	+19 52.8	1.779	2.672	11.1	18.6
2 21	7 19.82	+20 6.4	1.870	2.681	14.5	18.8
256023 2006 UF_{32}			1 16.8 347°.69	2°.2/17.5 18		
12 13	8 13.98	+15 53.6	1.298	2.134	17.9	20.4
12 23	8 10.74	+15 42.8	1.221	2.125	13.8	20.2
1 2	8 4.38	+15 44.3	1.165	2.117	9.0	19.9
1 12	7 55.76	+15 56.6	1.132	2.109	3.9	19.5
1 22	7 46.19	+16 16.6	1.124	2.103	3.5	19.5
2 1	7 37.30	+16 40.3	1.141	2.099	8.6	19.8
2 11	7 30.59	+17 4.0	1.182	2.095	13.7	20.1
2 21	7 27.02	+17 24.7	1.243	2.093	18.0	20.3
75001 1999 TX_{283}			1 16.8 279°.06	2°.9/15.5 18		
12 13	8 18.97	+24 46.2	1.649	2.477	15.2	19.0
12 23	8 14.21	+25 43.8	1.564	2.466	11.5	18.7
1 2	8 6.44	+26 47.6	1.502	2.455	7.3	18.5
1 12	7 56.44	+27 50.7	1.467	2.444	3.4	18.2
1 22	7 45.42	+28 45.7	1.460	2.433	4.4	18.2
2 1	7 34.90	+29 27.0	1.480	2.422	8.7	18.5
2 11	7 26.35	+29 52.5	1.526	2.412	13.0	18.7
2 21	7 20.77	+30 3.1	1.594	2.401	16.8	18.9
89463 2001 XR_{11}			1 16.8 5°.21	3°.9/16.3 18		
12 13	8 24.43	+30 26.8	1.168	2.011	19.1	17.9
12 23	8 19.02	+30 12.7	1.102	2.010	14.6	17.6
1 2	8 9.59	+29 52.2	1.057	2.010	9.5	17.4
1 12	7 57.44	+29 18.8	1.036	2.012	4.7	17.1
1 22	7 44.50	+28 29.1	1.039	2.014	5.3	17.1
2 1	7 32.93	+27 24.1	1.068	2.018	10.3	17.4
2 11	7 24.50	+26 9.2	1.120	2.022	15.3	17.7
2 21	7 20.05	+24 50.5	1.192	2.027	19.6	18.0
423382 2005 JW_{102}			1 16.8 248°.26	2°.2/18.1 17		
12 13	8 14.18	+11 49.8	2.824	3.605	10.8	22.0
12 23	8 9.33	+11 58.7	2.717	3.587	8.4	21.8
1 2	8 2.82	+12 16.7	2.634	3.569	5.7	21.6
1 12	7 55.15	+12 42.7	2.580	3.551	3.0	21.4
1 22	7 46.94	+13 15.0	2.557	3.532	2.6	21.4
2 1	7 38.94	+13 51.2	2.565	3.513	5.1	21.5
2 11	7 31.88	+14 28.9	2.602	3.493	8.1	21.7
2 21	7 26.35	+15 5.7	2.666	3.473	10.8	21.8

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
362149 2009 DF_{119}			1 16.8 153°.53	2°.4/17.9 18		
	h m	° ′			°	m
12 13	8 18.97	+12 33.5	1.976	2.769	14.3	21.2
12 23	8 13.37	+12 46.0	1.897	2.776	11.1	21.0
1 2	8 5.49	+13 10.7	1.842	2.782	7.3	20.8
1 12	7 56.05	+13 45.4	1.815	2.788	3.5	20.6
1 22	7 46.03	+14 27.0	1.817	2.794	3.0	20.5
2 1	7 36.55	+15 11.5	1.849	2.799	6.6	20.8
2 11	7 28.63	+15 55.5	1.908	2.803	10.3	21.0
2 21	7 23.00	+16 36.1	1.992	2.807	13.6	21.2
280762 2005 QM_{178}			1 16.8 226°.01	2°.9/17.9 18		
12 13	8 20.11	+12 38.1	1.591	2.396	16.7	21.2
12 23	8 14.90	+12 39.9	1.505	2.390	13.0	20.9
1 2	8 6.80	+12 56.2	1.440	2.382	8.7	20.7
1 12	7 56.57	+13 25.5	1.401	2.375	4.3	20.4
1 22	7 45.42	+14 4.3	1.389	2.367	3.7	20.3
2 1	7 34.77	+14 48.4	1.406	2.358	8.0	20.6
2 11	7 26.02	+15 33.2	1.449	2.349	12.6	20.8
2 21	7 20.12	+16 15.1	1.514	2.340	16.6	21.0
464785 2003 WJ_{158}			1 16.8 100°.16	5°.1/14.2 18		
12 13	8 21.09	+34 51.3	2.249	3.058	12.3	21.4
12 23	8 14.96	+35 49.0	2.189	3.073	9.5	21.3
1 2	8 6.44	+36 41.5	2.155	3.088	6.8	21.1
1 12	7 56.34	+37 22.6	2.148	3.103	5.2	21.0
1 22	7 45.76	+37 47.6	2.170	3.118	5.9	21.1
2 1	7 35.89	+37 54.7	2.222	3.132	8.2	21.3
2 11	7 27.78	+37 45.0	2.299	3.146	10.8	21.5
2 21	7 22.13	+37 21.6	2.399	3.160	13.2	21.7
365236 2009 JL_{14}			1 16.8 91°.43	2°.9/15.5 18		
12 13	8 21.50	+26 26.5	1.856	2.673	14.1	20.9
12 23	8 15.43	+27 18.2	1.798	2.694	10.6	20.7
1 2	8 6.79	+28 11.1	1.765	2.714	6.7	20.5
1 12	7 56.47	+28 59.0	1.759	2.734	3.3	20.3
1 22	7 45.65	+29 36.5	1.783	2.754	4.1	20.4
2 1	7 35.65	+30 0.5	1.836	2.774	7.7	20.7
2 11	7 27.61	+30 10.6	1.915	2.793	11.2	20.9
2 21	7 22.21	+30 8.8	2.017	2.811	14.2	21.2
341174 2007 RD_{8}			1 16.8 135°.37	3°.2/18.4 16		
12 13	8 15.96	+ 9 36.3	2.767	3.537	11.3	21.4
12 23	8 10.44	+ 9 14.8	2.688	3.548	8.8	21.3
1 2	8 3.37	+ 9 2.3	2.634	3.560	6.2	21.1
1 12	7 55.30	+ 8 58.5	2.609	3.571	3.9	21.0
1 22	7 46.90	+ 9 2.8	2.614	3.581	3.4	21.0
2 1	7 38.90	+ 9 13.7	2.651	3.591	5.4	21.1
2 11	7 31.99	+ 9 29.3	2.716	3.601	8.0	21.3
2 21	7 26.67	+ 9 47.5	2.807	3.610	10.4	21.5
10361 Bunsen			1 16.8 35°.07	1°.5/17.3 18		
12 13	8 17.82	+15 40.6	1.215	2.049	19.1	17.7
12 23	8 13.64	+16 0.2	1.155	2.058	14.5	17.4
1 2	8 6.14	+16 35.1	1.114	2.066	9.2	17.1
1 12	7 56.35	+17 21.4	1.097	2.076	3.6	16.8
1 22	7 45.76	+18 12.8	1.105	2.086	3.2	16.8
2 1	7 36.12	+19 2.9	1.140	2.097	8.7	17.2
2 11	7 28.95	+19 46.9	1.198	2.108	13.8	17.5
2 21	7 25.11	+20 22.2	1.276	2.119	18.1	17.8
500253 2012 KA_{15}			1 16.8 292°.76	3°.4/18.4 17		
12 13	8 15.18	+10 8.7	1.822	2.620	15.2	21.8
12 23	8 11.00	+10 20.9	1.720	2.598	12.0	21.6
1 2	8 4.33	+10 49.3	1.639	2.577	8.3	21.3
1 12	7 55.77	+11 33.2	1.585	2.555	4.5	21.0
1 22	7 46.27	+12 29.6	1.558	2.533	3.8	20.9
2 1	7 37.02	+13 34.0	1.560	2.512	7.4	21.1
2 11	7 29.23	+14 41.0	1.589	2.490	11.6	21.3
2 21	7 23.83	+15 45.8	1.641	2.469	15.4	21.5
412099 2013 FX_{24}			1 16.8 229°.50	1°.2/16.3 17		
12 13	8 20.29	+22 24.4	1.948	2.761	13.8	22.6
12 23	8 14.70	+22 53.9	1.857	2.751	10.4	22.4
1 2	8 6.51	+23 28.6	1.790	2.741	6.5	22.1
1 12	7 56.46	+24 4.1	1.751	2.731	2.3	21.9
1 22	7 45.59	+24 35.7	1.742	2.720	2.9	21.9
2 1	7 35.18	+24 59.9	1.762	2.709	7.2	22.1
2 11	7 26.43	+25 15.0	1.809	2.697	11.2	22.3
2 21	7 20.21	+25 21.1	1.880	2.684	14.7	22.5
188884 2006 WM_{44}			1 16.8 349°.55	4°.4/18.4 18		
12 13	8 11.71	+11 0.5	1.258	2.089	18.8	19.5
12 23	8 9.09	+10 45.9	1.182	2.079	14.8	19.2
1 2	8 3.41	+10 49.7	1.125	2.070	10.2	18.9
1 12	7 55.50	+11 12.2	1.091	2.062	5.8	18.6
1 22	7 46.63	+11 50.7	1.081	2.056	4.9	18.6
2 1	7 38.39	+12 40.2	1.095	2.052	9.0	18.8
2 11	7 32.25	+13 34.3	1.133	2.049	13.9	19.0
2 21	7 29.19	+14 27.3	1.191	2.047	18.2	19.3

30308 Ienli 1 16.8 148°.57 2°.9/17.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 21.26	+12 54.5	1.755	2.552	15.7	19.5
12 23	8 15.31	+12 45.3	1.680	2.560	12.2	19.3
1 2	8 6.78	+12 48.0	1.628	2.568	8.1	19.1
1 12	7 56.51	+13 1.2	1.602	2.575	4.1	18.8
1 22	7 45.62	+13 22.4	1.605	2.581	3.5	18.8
2 1	7 35.39	+13 48.6	1.637	2.587	7.3	19.1
2 11	7 27.00	+14 16.5	1.696	2.592	11.3	19.3
2 21	7 21.18	+14 43.5	1.778	2.596	14.8	19.5

130623 2000 SP_{41} 1 16.8 141°.52 3°.3/15.4 18 R

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 22.69	+27 4.4	1.752	2.571	14.8	20.3
12 23	8 16.66	+27 57.3	1.682	2.579	11.2	20.1
1 2	8 7.75	+28 51.9	1.637	2.586	7.1	19.9
1 12	7 56.85	+29 41.2	1.619	2.593	3.7	19.7
1 22	7 45.24	+30 19.0	1.629	2.600	4.6	19.7
2 1	7 34.38	+30 41.7	1.669	2.606	8.4	20.0
2 11	7 25.60	+30 48.8	1.734	2.611	12.2	20.2
2 21	7 19.72	+30 42.7	1.822	2.616	15.5	20.4

104945 2000 JN_{42} 1 16.8 124°.86 0°.3/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.87	+18 37.2	2.670	3.468	10.9	20.4
12 23	8 10.51	+18 53.7	2.595	3.481	8.2	20.2
1 2	8 3.48	+19 15.3	2.546	3.494	5.1	20.1
1 12	7 55.36	+19 39.7	2.527	3.506	1.7	19.9
1 22	7 46.89	+20 4.2	2.538	3.518	1.7	19.9
2 1	7 38.85	+20 26.8	2.580	3.529	5.0	20.1
2 11	7 31.98	+20 45.9	2.651	3.540	8.0	20.3
2 21	7 26.82	+21 0.8	2.748	3.551	10.6	20.5

420986 2013 PK_{34} 1 16.8 225°.16 3°.0/17.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.21	+12 19.0	2.323	3.105	12.8	20.6
12 23	8 13.35	+11 52.4	2.224	3.094	10.0	20.4
1 2	8 5.44	+11 34.0	2.149	3.083	6.8	20.2
1 12	7 56.07	+11 23.5	2.103	3.072	3.8	20.0
1 22	7 46.09	+11 20.4	2.087	3.059	3.5	20.0
2 1	7 36.46	+11 23.3	2.101	3.046	6.3	20.1
2 11	7 28.12	+11 30.6	2.145	3.033	9.7	20.3
2 21	7 21.77	+11 40.4	2.213	3.019	12.7	20.5

8375 Kenzokohno 1 16.8 46°.89 0°.2/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.91	+19 21.9	2.018	2.832	13.3	17.6
12 23	8 11.03	+19 33.9	1.949	2.844	10.0	17.4
1 2	8 4.00	+19 51.9	1.905	2.856	6.2	17.2
1 12	7 55.57	+20 13.0	1.889	2.868	2.1	16.9
1 22	7 46.70	+20 34.2	1.901	2.881	2.1	16.9
2 1	7 38.44	+20 52.8	1.943	2.894	6.2	17.2
2 11	7 31.73	+21 7.0	2.011	2.907	9.8	17.5
2 21	7 27.20	+21 16.2	2.104	2.921	12.9	17.7

322166 2010 XZ_{12} 1 16.8 231°.86 6°.8/19.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.15	+ 2 24.4	2.064	2.820	15.0	20.6
12 23	8 12.02	+ 1 38.8	1.972	2.812	12.5	20.4
1 2	8 4.71	+ 1 9.2	1.902	2.803	9.8	20.2
1 12	7 55.86	+ 0 57.8	1.857	2.795	7.5	20.0
1 22	7 46.33	+ 1 5.3	1.840	2.785	6.9	20.0
2 1	7 37.16	+ 1 30.2	1.851	2.776	8.6	20.0
2 11	7 29.36	+ 2 8.9	1.889	2.766	11.3	20.2
2 21	7 23.66	+ 2 56.6	1.949	2.756	14.2	20.4

91401 1999 MY 1 16.8 153°.86 0°.3/16.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.38	+20 48.3	2.322	3.126	12.1	20.9
12 23	8 12.69	+21 6.2	2.243	3.133	9.1	20.7
1 2	8 4.97	+21 28.4	2.189	3.139	5.6	20.5
1 12	7 55.90	+21 52.0	2.164	3.144	1.8	20.3
1 22	7 46.34	+22 13.8	2.170	3.149	2.1	20.3
2 1	7 37.29	+22 31.6	2.206	3.154	5.8	20.6
2 11	7 29.64	+22 43.9	2.270	3.158	9.2	20.8
2 21	7 24.03	+22 50.5	2.359	3.162	12.1	21.0

84368 2002 TE_{116} 1 16.8 89°.66 7°.7/19.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.50	+ 1 51.1	1.785	2.546	16.8	19.6
12 23	8 13.07	+ 0 55.4	1.719	2.560	13.9	19.4
1 2	8 5.32	+ 0 18.6	1.673	2.574	10.9	19.3
1 12	7 56.02	+ 0 3.5	1.652	2.587	8.4	19.1
1 22	7 46.23	+ 0 10.4	1.657	2.601	7.7	19.1
2 1	7 37.09	+ 0 37.0	1.690	2.614	9.3	19.2
2 11	7 29.63	+ 1 18.4	1.748	2.627	12.0	19.4
2 21	7 24.55	+ 2 9.0	1.829	2.640	14.8	19.6

76603 2000 GY_{159} 1 16.8 347°.75 9°.1/13.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 23.99	+44 7.8	1.841	2.645	14.8	18.8
12 23	8 18.14	+45 6.9	1.774	2.640	12.3	18.6
1 2	8 8.89	+45 53.0	1.729	2.636	10.2	18.4
1 12	7 57.28	+46 16.9	1.708	2.632	9.1	18.4
1 22	7 44.89	+46 12.6	1.714	2.629	9.8	18.4
2 1	7 33.52	+45 38.8	1.745	2.626	11.8	18.5
2 11	7 24.71	+44 39.5	1.799	2.624	14.3	18.7
2 21	7 19.33	+43 21.9	1.873	2.623	16.7	18.8

110413 2001 TA_{16} 1 16.8 113°.93 1°.9/15.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 19.78	+23 22.1	2.029	2.842	13.3	20.2
12 23	8 14.02	+24 15.9	1.963	2.857	9.9	20.0
1 2	8 5.92	+25 13.8	1.921	2.872	6.1	19.8
1 12	7 56.23	+26 10.6	1.908	2.886	2.5	19.6
1 22	7 46.01	+27 0.8	1.925	2.900	3.2	19.7
2 1	7 36.41	+27 40.7	1.971	2.913	6.9	19.9
2 11	7 28.49	+28 8.7	2.045	2.926	10.4	20.1
2 21	7 22.94	+28 25.3	2.143	2.939	13.4	20.4

468229 2015 BR_{170} 1 16.8 294°.20 0°.3/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.77	+18 55.7	2.167	2.977	12.7	21.5
12 23	8 10.93	+19 9.1	2.082	2.974	9.6	21.3
1 2	8 3.99	+19 28.8	2.021	2.971	6.0	21.1
1 12	7 55.61	+19 52.2	1.988	2.968	2.0	20.8
1 22	7 46.66	+20 16.2	1.985	2.965	2.1	20.8
2 1	7 38.15	+20 38.2	2.011	2.962	6.0	21.0
2 11	7 31.05	+20 56.2	2.065	2.960	9.7	21.3
2 21	7 26.02	+21 9.2	2.143	2.957	12.8	21.5

397038 2005 UZ_{53} 1 16.8 126°.64 2°.3/15.9 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 24.28	+24 6.5	1.682	2.499	15.4	21.8
12 23	8 17.80	+24 54.8	1.618	2.514	11.6	21.6
1 2	8 8.42	+25 47.1	1.578	2.529	7.2	21.3
1 12	7 57.09	+26 36.8	1.565	2.543	3.0	21.1
1 22	7 45.12	+27 17.8	1.581	2.557	3.8	21.2
2 1	7 34.01	+27 46.2	1.626	2.569	8.0	21.5
2 11	7 25.05	+28 1.1	1.698	2.581	12.1	21.7
2 21	7 19.05	+28 4.1	1.792	2.593	15.5	22.0

258655 2002 EQ_{73} 1 16.8 261°.20 3°.6/15.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 22.54	+28 19.6	1.772	2.592	14.6	20.6
12 23	8 16.87	+28 58.2	1.678	2.574	11.2	20.4
1 2	8 8.13	+29 37.9	1.608	2.556	7.3	20.1
1 12	7 57.10	+30 12.0	1.564	2.538	4.0	19.9
1 22	7 45.00	+30 34.6	1.549	2.519	4.8	19.9
2 1	7 33.38	+30 41.6	1.563	2.500	8.8	20.1
2 11	7 23.75	+30 32.9	1.602	2.480	12.9	20.3
2 21	7 17.11	+30 11.2	1.663	2.460	16.6	20.4

240838 2006 BQ_{79} 1 16.8 267°.70 4°.6/15.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 22.80	+29 52.1	1.535	2.363	16.1	20.1
12 23	8 17.31	+30 36.6	1.459	2.359	12.3	19.8
1 2	8 8.46	+31 20.5	1.406	2.354	8.2	19.6
1 12	7 57.19	+31 55.7	1.378	2.349	4.9	19.4
1 22	7 44.96	+32 15.4	1.377	2.345	5.8	19.4
2 1	7 33.55	+32 16.1	1.404	2.340	9.7	19.6
2 11	7 24.52	+31 58.8	1.455	2.335	13.9	19.8
2 21	7 18.86	+31 27.3	1.527	2.330	17.6	20.1

194156 2001 TL_{11} 1 16.8 104°.45 0°.1/16.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 23.73	+19 21.2	1.642	2.454	15.9	21.3
12 23	8 17.21	+19 38.7	1.583	2.475	12.0	21.1
1 2	8 7.94	+20 3.5	1.546	2.496	7.4	20.9
1 12	7 56.90	+20 31.3	1.537	2.517	2.4	20.6
1 22	7 45.38	+20 57.8	1.556	2.536	2.6	20.7
2 1	7 34.78	+21 19.5	1.605	2.555	7.3	21.0
2 11	7 26.32	+21 34.9	1.680	2.574	11.5	21.3
2 21	7 20.70	+21 43.9	1.778	2.592	15.0	21.6

276182 2002 PK_{151} 1 16.8 108°.69 0°.8/17.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.68	+15 34.3	2.288	3.088	12.4	20.9
12 23	8 10.68	+16 11.2	2.213	3.098	9.4	20.7
1 2	8 3.75	+16 57.5	2.163	3.109	5.9	20.5
1 12	7 55.52	+17 49.9	2.141	3.119	2.2	20.3
1 22	7 46.82	+18 44.6	2.149	3.129	2.0	20.3
2 1	7 38.56	+19 37.7	2.188	3.139	5.6	20.5
2 11	7 31.62	+20 26.3	2.256	3.149	9.0	20.8
2 21	7 26.61	+21 8.2	2.348	3.158	12.0	21.0

7506 Lub 1 16.8 298°.78 0°.2/16.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.86	+20 20.6	2.281	3.093	12.0	18.7
12 23	8 10.26	+20 36.0	2.187	3.080	9.1	18.5
1 2	8 3.61	+20 56.6	2.116	3.067	5.7	18.2
1 12	7 55.52	+21 19.7	2.074	3.054	1.9	17.9
1 22	7 46.81	+21 42.4	2.062	3.041	2.1	17.9
2 1	7 38.44	+22 2.0	2.079	3.029	6.0	18.2
2 11	7 31.38	+22 16.7	2.124	3.016	9.5	18.4
2 21	7 26.30	+22 26.0	2.193	3.004	12.6	18.5

259376 2003 HG_{27} 1 16.8 235°.76 0°.6/17.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.06	+17 14.2	2.273	3.074	12.4	21.2
12 23	8 11.91	+17 36.6	2.176	3.063	9.5	20.9
1 2	8 4.64	+18 6.9	2.104	3.051	6.0	20.7
1 12	7 55.87	+18 42.7	2.060	3.039	2.2	20.4
1 22	7 46.43	+19 20.5	2.047	3.027	2.1	20.4
2 1	7 37.30	+19 57.1	2.064	3.014	6.0	20.6
2 11	7 29.47	+20 29.9	2.109	3.001	9.6	20.8
2 21	7 23.67	+20 57.3	2.179	2.987	12.8	21.0

465822 2010 EU_{132} 1 16.8 169°.49 7°.6/12.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 24.26	+46 20.6	2.648	3.426	11.5	21.8
12 23	8 17.51	+47 23.6	2.583	3.428	9.7	21.7
1 2	8 8.14	+48 15.2	2.542	3.429	8.2	21.6
1 12	7 57.01	+48 48.9	2.528	3.431	7.6	21.5
1 22	7 45.26	+49 0.2	2.542	3.432	8.2	21.6
2 1	7 34.22	+48 48.1	2.583	3.433	9.6	21.7
2 11	7 25.06	+48 14.7	2.648	3.434	11.3	21.8
2 21	7 18.54	+47 24.8	2.734	3.434	13.1	21.9

392549 2011 SY_{32} 1 16.8 128°.08 1°.2/17.3 18

12 13	8 21.93	+15 59.6	1.925	2.723	14.5	21.9
12 23	8 15.57	+16 16.2	1.857	2.741	11.0	21.7
1 2	8 6.84	+16 42.0	1.813	2.758	6.9	21.5
1 12	7 56.56	+17 14.1	1.796	2.774	2.7	21.3
1 22	7 45.79	+17 48.6	1.810	2.789	2.4	21.3
2 1	7 35.71	+18 22.2	1.853	2.804	6.5	21.6
2 11	7 27.37	+18 52.1	1.925	2.817	10.4	21.8
2 21	7 21.45	+19 17.1	2.021	2.830	13.6	22.1

32714 5008 $T\text{-}_2$ 1 16.8 212°.35 0°.3/16.9 18

12 13	8 22.64	+20 3.0	1.715	2.527	15.4	19.5
12 23	8 16.65	+20 0.7	1.630	2.523	11.7	19.3
1 2	8 7.81	+20 3.9	1.568	2.518	7.3	19.0
1 12	7 56.96	+20 9.8	1.533	2.512	2.5	18.7
1 22	7 45.31	+20 15.1	1.526	2.506	2.6	18.7
2 1	7 34.28	+20 17.5	1.549	2.500	7.5	19.0
2 11	7 25.20	+20 15.7	1.598	2.493	11.9	19.2
2 21	7 18.94	+20 9.9	1.670	2.486	15.8	19.5

77299 2001 FV_{73} 1 16.8 63°.63 3°.4/15.7 18

12 13	8 22.63	+25 10.1	1.226	2.066	18.6	18.6
12 23	8 17.45	+26 5.9	1.171	2.078	14.0	18.3
1 2	8 8.60	+27 6.5	1.137	2.091	8.8	18.1
1 12	7 57.24	+28 2.9	1.127	2.104	4.0	17.8
1 22	7 45.08	+28 46.6	1.143	2.117	5.1	17.9
2 1	7 34.08	+29 12.4	1.185	2.131	10.0	18.3
2 11	7 25.89	+29 20.3	1.250	2.144	14.7	18.6
2 21	7 21.40	+29 13.2	1.335	2.157	18.6	18.9

243838 2000 UQ_{80} 1 16.8 58°.83 3°.8/18.0 18

12 13	8 19.55	+12 24.1	1.432	2.245	17.8	20.2
12 23	8 14.41	+12 0.2	1.369	2.257	13.9	19.9
1 2	8 6.39	+11 50.5	1.327	2.269	9.3	19.7
1 12	7 56.45	+11 54.3	1.310	2.281	5.0	19.5
1 22	7 45.92	+12 9.3	1.319	2.294	4.3	19.5
2 1	7 36.25	+12 32.2	1.355	2.307	8.2	19.7
2 11	7 28.73	+12 59.2	1.416	2.320	12.6	20.0
2 21	7 24.13	+13 26.6	1.499	2.333	16.3	20.3

429836 2012 QB_7 1 16.8 81°.61 0°.9/17.3 18

12 13	8 15.26	+16 15.0	2.276	3.078	12.4	21.4
12 23	8 10.34	+16 35.5	2.204	3.091	9.4	21.2
1 2	8 3.53	+17 4.1	2.157	3.103	5.9	21.0
1 12	7 55.46	+17 38.1	2.138	3.116	2.3	20.8
1 22	7 46.97	+18 14.4	2.148	3.128	2.0	20.8
2 1	7 38.98	+18 50.1	2.189	3.141	5.6	21.0
2 11	7 32.31	+19 22.6	2.258	3.153	8.9	21.3
2 21	7 27.57	+19 50.3	2.352	3.165	11.8	21.5

242460 2004 RD_{196} 1 16.8 112°.73 3°.0/18.2 18

12 13	8 17.69	+11 15.7	2.262	3.046	13.0	21.8
12 23	8 12.06	+11 6.8	2.192	3.062	10.1	21.6
1 2	8 4.53	+11 8.3	2.145	3.079	6.9	21.4
1 12	7 55.78	+11 19.3	2.126	3.095	3.8	21.2
1 22	7 46.65	+11 37.9	2.137	3.110	3.3	21.2
2 1	7 38.06	+12 1.9	2.178	3.125	6.0	21.4
2 11	7 30.84	+12 28.6	2.248	3.139	9.1	21.7
2 21	7 25.58	+12 55.7	2.342	3.154	11.9	21.9

347372 2012 RQ_8 1 16.8 126°.91 2°.6/15.6 18

12 13	8 18.85	+29 4.4	2.594	3.401	10.9	21.0
12 23	8 12.91	+29 25.6	2.521	3.411	8.2	20.8
1 2	8 5.05	+29 45.2	2.474	3.420	5.3	20.7
1 12	7 55.96	+29 59.4	2.457	3.429	2.8	20.5
1 22	7 46.48	+30 5.4	2.469	3.438	3.4	20.6
2 1	7 37.56	+30 1.8	2.512	3.447	6.1	20.8
2 11	7 30.02	+29 48.9	2.584	3.455	8.9	21.0
2 21	7 24.45	+29 28.2	2.680	3.463	11.4	21.1

466156 2012 HP_{67} 1 16.8 180°.03 2°.6/15.4 18

12 13	8 18.51	+26 28.3	2.372	3.182	11.7	21.6
12 23	8 12.97	+27 20.8	2.291	3.183	8.8	21.4
1 2	8 5.27	+28 15.2	2.236	3.184	5.6	21.2
1 12	7 56.08	+29 6.6	2.210	3.184	2.9	21.0
1 22	7 46.30	+29 50.2	2.214	3.184	3.6	21.1
2 1	7 36.93	+30 22.8	2.249	3.183	6.7	21.3
2 11	7 28.98	+30 43.3	2.311	3.182	9.8	21.5
2 21	7 23.13	+30 52.5	2.397	3.181	12.5	21.7

324631 2007 BR_{14} 1 16.8 236°.77 1°.7/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 19.58	+24 41.4	1.982	2.798	13.4	21.2
12 23	8 14.09	+25 2.0	1.898	2.794	10.1	21.0
1 2	8 6.11	+25 24.9	1.837	2.788	6.3	20.7
1 12	7 56.40	+25 45.8	1.805	2.783	2.5	20.5
1 22	7 46.00	+26 0.9	1.801	2.778	3.1	20.5
2 1	7 36.15	+26 7.6	1.827	2.772	7.1	20.7
2 11	7 27.98	+26 5.1	1.880	2.766	10.9	21.0
2 21	7 22.29	+25 54.4	1.956	2.761	14.2	21.2

270832 2002 SF_{44} 1 16.8 118°.65 3°.4/15.6 17

12 13	8 26.00	+27 16.7	1.579	2.399	16.1	20.9
12 23	8 19.31	+28 2.6	1.519	2.415	12.1	20.7
1 2	8 9.45	+28 49.3	1.481	2.431	7.7	20.4
1 12	7 57.49	+29 29.2	1.471	2.446	3.9	20.2
1 22	7 44.90	+29 56.2	1.489	2.460	4.7	20.3
2 1	7 33.32	+30 7.1	1.535	2.473	8.8	20.6
2 11	7 24.16	+30 2.6	1.606	2.486	12.8	20.9
2 21	7 18.22	+29 45.9	1.700	2.499	16.2	21.1

487897 2015 TH_{166} 1 16.8 133°.52 5°.1/19.1 18

12 13	8 21.69	+ 5 56.1	1.916	2.682	15.7	22.1
12 23	8 15.35	+ 5 44.1	1.845	2.700	12.5	21.9
1 2	8 6.70	+ 5 48.7	1.798	2.717	9.1	21.8
1 12	7 56.54	+ 6 9.8	1.777	2.733	6.0	21.6
1 22	7 45.89	+ 6 45.4	1.785	2.748	5.2	21.6
2 1	7 35.89	+ 7 31.8	1.822	2.762	7.6	21.8
2 11	7 27.55	+ 8 24.5	1.888	2.775	10.8	22.0
2 21	7 21.57	+ 9 18.9	1.977	2.787	13.9	22.2

140742 2001 UL_{107} 1 16.8 213°.03 5°.8/20.2 18

12 13	8 13.38	− 0 38.5	2.934	3.659	11.7	20.7
12 23	8 8.62	− 1 6.5	2.838	3.653	9.8	20.5
1 2	8 2.37	− 1 20.8	2.765	3.646	7.9	20.4
1 12	7 55.10	− 1 20.0	2.718	3.639	6.3	20.3
1 22	7 47.40	− 1 4.3	2.700	3.632	5.8	20.2
2 1	7 39.95	− 0 34.8	2.711	3.624	6.8	20.3
2 11	7 33.41	+ 0 5.6	2.751	3.616	8.6	20.4
2 21	7 28.29	+ 0 53.5	2.815	3.607	10.7	20.5

495808 2017 FJ_{97} 1 16.8 232°.57 2°.7/17.9 18

12 13	8 19.54	+12 12.2	1.895	2.688	14.8	22.1
12 23	8 14.16	+12 19.4	1.798	2.676	11.6	21.8
1 2	8 6.26	+12 39.6	1.724	2.663	7.8	21.6
1 12	7 56.49	+13 11.6	1.677	2.650	3.9	21.3
1 22	7 45.85	+13 52.3	1.659	2.636	3.3	21.2
2 1	7 35.56	+14 37.9	1.670	2.621	7.1	21.4
2 11	7 26.82	+15 24.3	1.709	2.605	11.3	21.6
2 21	7 20.49	+16 8.3	1.772	2.589	14.9	21.8

455460 2003 SL_{423} 1 16.8 126°.24 0°.6/17.1 18

12 13	8 21.57	+17 57.6	2.000	2.801	13.9	22.4
12 23	8 15.25	+18 11.8	1.932	2.818	10.5	22.2
1 2	8 6.63	+18 33.2	1.887	2.835	6.5	22.0
1 12	7 56.51	+18 58.6	1.871	2.850	2.3	21.8
1 22	7 45.94	+19 24.7	1.885	2.865	2.2	21.8
2 1	7 36.03	+19 48.3	1.930	2.880	6.3	22.1
2 11	7 27.82	+20 7.8	2.002	2.893	10.1	22.4
2 21	7 21.97	+20 22.3	2.098	2.906	13.3	22.6

54840 2001 OE 1 16.8 66°.73 6°.2/20.6 18

12 13	8 13.41	+ 0 15.2	2.221	2.969	14.3	19.6
12 23	8 8.98	+ 0 10.3	2.144	2.978	11.9	19.4
1 2	8 2.72	+ 0 24.3	2.090	2.987	9.2	19.3
1 12	7 55.22	+ 0 57.7	2.060	2.996	7.0	19.2
1 22	7 47.29	+ 1 49.0	2.059	3.006	6.2	19.1
2 1	7 39.78	+ 2 54.6	2.086	3.015	7.5	19.2
2 11	7 33.51	+ 4 9.5	2.140	3.025	9.9	19.4
2 21	7 29.09	+ 5 28.2	2.219	3.034	12.4	19.6

103576 2000 CG_1 1 16.8 34°.52 3°.2/16.2 18

12 13	8 23.88	+27 31.8	1.143	1.987	19.3	18.4
12 23	8 18.55	+27 37.3	1.087	1.996	14.7	18.1
1 2	8 9.31	+27 41.6	1.051	2.006	9.3	17.8
1 12	7 57.49	+27 38.2	1.038	2.016	4.1	17.6
1 22	7 44.96	+27 22.2	1.050	2.027	4.8	17.7
2 1	7 33.82	+26 52.4	1.088	2.038	10.0	18.0
2 11	7 25.75	+26 11.6	1.149	2.051	15.0	18.3
2 21	7 21.56	+25 24.2	1.229	2.063	19.2	18.6

217998 2001 XU_{16} 1 16.8 88°.53 0°.7/16.6 18

12 13	8 22.14	+22 23.5	1.942	2.752	13.9	20.2
12 23	8 15.65	+22 30.2	1.883	2.775	10.4	20.1
1 2	8 6.82	+22 39.8	1.849	2.799	6.4	19.9
1 12	7 56.55	+22 48.9	1.842	2.822	2.1	19.6
1 22	7 45.94	+22 54.5	1.865	2.844	2.4	19.7
2 1	7 36.17	+22 55.0	1.918	2.867	6.5	20.0
2 11	7 28.23	+22 49.9	1.999	2.889	10.2	20.3
2 21	7 22.75	+22 39.9	2.103	2.910	13.3	20.5

77636 2001 KE_{56} 1 16.8 250°.11 1°.3/15.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.01	+21 19.3	2.258	3.069	12.2	19.1
12 23	8 11.22	+22 21.8	2.169	3.063	9.1	18.9
1 2	8 4.28	+23 31.4	2.107	3.058	5.6	18.7
1 12	7 55.80	+24 43.4	2.073	3.052	2.1	18.4
1 22	7 46.63	+25 52.3	2.069	3.046	2.8	18.5
2 1	7 37.79	+26 53.5	2.097	3.040	6.4	18.7
2 11	7 30.26	+27 44.0	2.152	3.034	9.9	18.9
2 21	7 24.81	+28 22.9	2.231	3.028	12.9	19.1

461417 2001 TH_{214} 1 16.8 73°.95 5°.8/19.2 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.36	+ 5 46.1	1.802	2.575	16.3	21.2
12 23	8 14.27	+ 5 5.1	1.748	2.605	13.0	21.1
1 2	8 5.96	+ 4 40.8	1.717	2.634	9.6	20.9
1 12	7 56.26	+ 4 34.0	1.711	2.663	6.7	20.8
1 22	7 46.26	+ 4 43.8	1.733	2.691	6.0	20.8
2 1	7 37.07	+ 5 7.4	1.784	2.720	8.0	21.0
2 11	7 29.64	+ 5 40.7	1.861	2.748	11.0	21.2
2 21	7 24.59	+ 6 19.0	1.962	2.775	13.8	21.5

492019 2013 GD_{20} 1 16.8 225°.87 5°.3/19.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.78	+ 4 12.4	2.245	3.002	13.9	23.1
12 23	8 12.43	+ 3 58.6	2.144	2.989	11.4	22.9
1 2	8 4.99	+ 4 0.4	2.066	2.976	8.6	22.7
1 12	7 56.05	+ 4 18.4	2.014	2.963	6.1	22.6
1 22	7 46.40	+ 4 51.9	1.991	2.948	5.4	22.5
2 1	7 37.03	+ 5 38.4	1.998	2.933	7.4	22.6
2 11	7 28.90	+ 6 33.7	2.033	2.917	10.3	22.7
2 21	7 22.72	+ 7 33.4	2.093	2.901	13.3	22.9

354864 2006 AU_{39} 1 16.8 283°.59 0°.2/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.41	+19 30.4	1.520	2.344	16.4	21.6
12 23	8 14.83	+19 53.1	1.424	2.324	12.6	21.3
1 2	8 7.08	+20 25.9	1.351	2.303	7.9	21.0
1 12	7 56.88	+21 4.8	1.303	2.283	2.7	20.6
1 22	7 45.45	+21 44.2	1.282	2.262	2.9	20.6
2 1	7 34.40	+22 19.0	1.288	2.241	8.5	20.9
2 11	7 25.33	+22 45.9	1.320	2.220	13.6	21.1
2 21	7 19.37	+23 3.7	1.373	2.199	18.0	21.3

231960 2001 QA_{3} 1 16.8 117°.42 3°.7/18.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 21.25	+ 8 11.7	1.773	2.554	16.2	21.1
12 23	8 15.21	+ 8 36.4	1.707	2.575	12.7	20.9
1 2	8 6.71	+ 9 18.8	1.663	2.594	8.7	20.7
1 12	7 56.58	+10 16.6	1.646	2.613	4.9	20.5
1 22	7 45.93	+11 25.3	1.658	2.632	4.0	20.5
2 1	7 35.97	+12 39.3	1.701	2.649	7.2	20.7
2 11	7 27.80	+13 52.7	1.770	2.666	11.0	21.0
2 21	7 22.14	+15 1.3	1.864	2.682	14.3	21.2

1138 Attica 1 16.8 77°.31 1°.5/17.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.90	+17 18.8	2.292	3.091	12.4	16.5
12 23	8 12.27	+16 54.2	2.214	3.098	9.4	16.3
1 2	8 4.71	+16 34.7	2.161	3.105	6.0	16.1
1 12	7 55.89	+16 19.3	2.136	3.113	2.6	15.9
1 22	7 46.67	+16 6.8	2.141	3.120	2.3	15.9
2 1	7 37.99	+15 56.5	2.177	3.127	5.7	16.1
2 11	7 30.71	+15 47.3	2.241	3.135	9.1	16.3
2 21	7 25.41	+15 38.5	2.330	3.142	12.0	16.5

424670 2008 RN_{62} 1 16.8 47°.77 5°.6/14.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 21.61	+34 58.1	1.876	2.694	14.0	21.2
12 23	8 15.80	+35 41.0	1.814	2.703	10.9	21.0
1 2	8 7.19	+36 17.6	1.775	2.713	7.8	20.9
1 12	7 56.75	+36 41.1	1.763	2.722	5.7	20.8
1 22	7 45.77	+36 46.9	1.779	2.732	6.4	20.8
2 1	7 35.66	+36 33.3	1.822	2.742	9.0	21.0
2 11	7 27.67	+36 2.5	1.891	2.753	12.1	21.2
2 21	7 22.53	+35 18.6	1.982	2.763	14.9	21.4

280249 2002 XR_{1} 1 16.8 51°.31 8°.0/20.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.85	− 1 29.9	2.133	2.872	15.1	19.7
12 23	8 10.10	− 2 28.9	2.062	2.882	12.8	19.5
1 2	8 3.43	− 3 9.8	2.012	2.892	10.4	19.4
1 12	7 55.48	− 3 29.7	1.987	2.903	8.5	19.3
1 22	7 47.09	− 3 28.1	1.988	2.913	8.0	19.3
2 1	7 39.18	− 3 6.3	2.016	2.924	9.0	19.4
2 11	7 32.61	− 2 28.4	2.070	2.935	11.0	19.5
2 21	7 27.97	− 1 39.5	2.147	2.946	13.3	19.7

276601 2003 TH_{54} 1 16.8 114°.72 4°.9/19.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.61	+ 4 41.3	2.226	2.991	13.8	21.2
12 23	8 9.92	+ 4 36.8	2.145	2.997	11.1	21.0
1 2	8 3.33	+ 4 48.1	2.088	3.003	8.2	20.9
1 12	7 55.47	+ 5 15.1	2.057	3.009	5.7	20.7
1 22	7 47.13	+ 5 56.2	2.054	3.014	5.0	20.7
2 1	7 39.20	+ 6 48.2	2.080	3.020	6.8	20.8
2 11	7 32.54	+ 7 46.8	2.135	3.025	9.6	21.0
2 21	7 27.76	+ 8 47.6	2.214	3.030	12.4	21.2

399958 2006 BR_{4} 1 16.8 243°.97 0°.0/16.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 22.28	+20 5.6	1.921	2.727	14.2	22.2
12 23	8 16.34	+20 15.6	1.819	2.709	10.8	21.9
1 2	8 7.69	+20 31.6	1.741	2.690	6.8	21.7
1 12	7 57.02	+20 50.5	1.691	2.671	2.3	21.3
1 22	7 45.40	+21 8.5	1.671	2.651	2.5	21.3
2 1	7 34.13	+21 22.6	1.680	2.630	7.2	21.6
2 11	7 24.53	+21 31.2	1.717	2.608	11.5	21.8
2 21	7 17.50	+21 34.0	1.778	2.586	15.3	22.0

316472 2010 VF_{14} 1 16.8 71°.40 0°.7/17.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 12.97	+17 7.1	3.098	3.892	9.6	21.6
12 23	8 8.13	+17 18.6	3.034	3.917	7.2	21.5
1 2	8 1.96	+17 34.9	2.997	3.943	4.5	21.4
1 12	7 54.96	+17 54.4	2.990	3.968	1.7	21.2
1 22	7 47.73	+18 15.3	3.013	3.993	1.5	21.2
2 1	7 40.90	+18 35.7	3.068	4.017	4.3	21.4
2 11	7 35.05	+18 54.3	3.151	4.042	6.8	21.6
2 21	7 30.60	+19 10.0	3.262	4.067	9.0	21.8

448241 2008 WL_{43} 1 16.8 114°.71 3°.4/15.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 24.38	+26 51.2	1.695	2.513	15.2	21.9
12 23	8 17.94	+27 46.9	1.634	2.530	11.5	21.7
1 2	8 8.57	+28 44.0	1.598	2.547	7.3	21.5
1 12	7 57.25	+29 35.2	1.588	2.563	3.8	21.3
1 22	7 45.31	+30 14.1	1.608	2.578	4.6	21.4
2 1	7 34.26	+30 37.3	1.656	2.593	8.4	21.6
2 11	7 25.42	+30 44.7	1.730	2.608	12.2	21.9
2 21	7 19.56	+30 38.9	1.827	2.621	15.5	22.2

361356 2006 UX_{217} 1 16.8 180°.25 1°.7/17.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.45	+14 34.6	2.046	2.843	13.7	22.2
12 23	8 13.05	+14 45.9	1.962	2.844	10.5	22.0
1 2	8 5.40	+15 7.2	1.902	2.845	6.8	21.8
1 12	7 56.21	+15 36.5	1.869	2.845	3.0	21.5
1 22	7 46.40	+16 10.7	1.866	2.845	2.6	21.5
2 1	7 37.06	+16 46.5	1.893	2.844	6.4	21.7
2 11	7 29.21	+17 20.7	1.948	2.843	10.1	22.0
2 21	7 23.57	+17 51.5	2.027	2.842	13.4	22.2

469013 2015 AD_{227} 1 16.8 62°.15 1°.9/17.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.81	+15 30.2	2.207	3.006	12.8	21.1
12 23	8 11.62	+15 13.1	2.123	3.006	9.8	20.9
1 2	8 4.42	+15 3.0	2.064	3.007	6.4	20.7
1 12	7 55.85	+14 59.0	2.032	3.008	3.0	20.4
1 22	7 46.80	+14 59.5	2.031	3.008	2.6	20.4
2 1	7 38.22	+15 3.2	2.058	3.009	6.0	20.6
2 11	7 31.02	+15 8.2	2.114	3.009	9.4	20.8
2 21	7 25.83	+15 13.4	2.194	3.010	12.5	21.0

281280 2007 RL_{81} 1 16.8 46°.29 1°.2/17.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.77	+16 31.0	1.956	2.766	13.8	20.8
12 23	8 11.02	+16 39.5	1.887	2.778	10.5	20.6
1 2	8 4.10	+16 56.5	1.842	2.790	6.6	20.4
1 12	7 55.75	+17 19.6	1.824	2.802	2.6	20.1
1 22	7 46.95	+17 45.8	1.835	2.815	2.3	20.1
2 1	7 38.74	+18 12.1	1.875	2.828	6.2	20.4
2 11	7 32.08	+18 35.9	1.942	2.841	9.9	20.7
2 21	7 27.63	+18 55.9	2.033	2.854	13.1	20.9

166247 2002 GB_{20} 1 16.8 315°.18 2°.0/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.82	+23 48.2	1.395	2.232	16.9	20.0
12 23	8 14.58	+24 13.9	1.312	2.218	12.9	19.7
1 2	8 6.98	+24 45.2	1.250	2.205	8.1	19.4
1 12	7 56.88	+25 16.4	1.213	2.192	3.1	19.0
1 22	7 45.66	+25 41.3	1.202	2.180	3.9	19.1
2 1	7 35.06	+25 55.5	1.217	2.168	9.1	19.3
2 11	7 26.75	+25 57.5	1.257	2.157	14.1	19.6
2 21	7 21.79	+25 48.5	1.316	2.146	18.4	19.8

424916 2008 WZ_{100} 1 16.8 25°.35 3°.6/14.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.77	+27 16.1	2.075	2.896	12.7	20.2
12 23	8 12.05	+28 40.4	2.001	2.898	9.6	20.0
1 2	8 4.93	+30 7.8	1.953	2.901	6.3	19.9
1 12	7 56.09	+31 31.4	1.933	2.904	3.8	19.7
1 22	7 46.53	+32 44.4	1.943	2.907	4.8	19.8
2 1	7 37.42	+33 41.9	1.981	2.910	7.9	20.0
2 11	7 29.87	+34 22.0	2.047	2.913	11.1	20.2
2 21	7 24.69	+34 45.8	2.135	2.917	13.9	20.4

429912 2012 TM_{152} 1 16.8 195°.35 1°.0/16.3 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.33	+23 8.4	2.717	3.521	10.5	22.2
12 23	8 11.05	+23 31.4	2.629	3.519	7.9	22.0
1 2	8 3.99	+23 57.0	2.567	3.517	4.9	21.8
1 12	7 55.72	+24 22.2	2.535	3.514	1.8	21.6
1 22	7 46.99	+24 44.3	2.534	3.511	2.2	21.6
2 1	7 38.62	+25 1.1	2.563	3.508	5.3	21.8
2 11	7 31.41	+25 11.4	2.621	3.504	8.3	22.0
2 21	7 25.94	+25 15.4	2.705	3.500	11.0	22.2

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
170132 2003 AK_{27}			1 16.8	62°.26	0°.5/16.5	18
	h m	° ′			°	m
12 13	8 15.62	+18 42.1	2.156	2.966	12.7	19.5
12 23	8 10.83	+19 43.6	2.088	2.981	9.5	19.3
1 2	8 3.98	+20 53.2	2.045	2.995	5.8	19.1
1 12	7 55.74	+22 6.3	2.030	3.010	1.9	18.9
1 22	7 46.99	+23 17.5	2.046	3.025	2.3	18.9
2 1	7 38.73	+24 22.2	2.092	3.040	6.1	19.2
2 11	7 31.90	+25 17.3	2.167	3.055	9.5	19.4
2 21	7 27.12	+26 1.5	2.265	3.071	12.5	19.7
162956 2001 QF_{119}			1 16.8	54°.16	5°.9/20.0	18
12 13	8 14.22	+ 2 42.0	2.084	2.846	14.7	19.8
12 23	8 9.65	+ 2 21.5	2.017	2.863	12.0	19.6
1 2	8 3.16	+ 2 18.5	1.973	2.880	9.2	19.5
1 12	7 55.44	+ 2 33.5	1.954	2.897	6.7	19.4
1 22	7 47.33	+ 3 5.4	1.963	2.915	6.0	19.4
2 1	7 39.74	+ 3 50.9	2.000	2.933	7.5	19.5
2 11	7 33.53	+ 4 45.6	2.064	2.951	10.1	19.7
2 21	7 29.26	+ 5 44.5	2.152	2.969	12.6	19.9
256848 2008 CD_{176}			1 16.8	115°.93	6°.7/14.4	18
12 13	8 27.69	+38 59.8	2.003	2.804	13.9	20.2
12 23	8 20.29	+39 49.6	1.945	2.819	11.0	20.1
1 2	8 9.95	+40 29.8	1.910	2.833	8.4	19.9
1 12	7 57.71	+40 52.8	1.903	2.848	6.8	19.9
1 22	7 44.98	+40 53.8	1.925	2.862	7.4	19.9
2 1	7 33.28	+40 31.9	1.974	2.875	9.6	20.1
2 11	7 23.89	+39 50.6	2.049	2.888	12.3	20.3
2 21	7 17.54	+38 55.2	2.146	2.900	14.7	20.5
133806 2003 WU_{151}			1 16.9	133°.45	1°.4/16.2	18
12 13	8 17.20	+23 36.7	2.327	3.138	11.9	20.4
12 23	8 11.93	+24 7.1	2.250	3.143	8.9	20.2
1 2	8 4.62	+24 40.3	2.198	3.148	5.5	20.0
1 12	7 55.95	+25 12.8	2.175	3.153	2.1	19.8
1 22	7 46.78	+25 40.8	2.181	3.158	2.6	19.9
2 1	7 38.09	+26 1.8	2.218	3.163	6.1	20.1
2 11	7 30.80	+26 14.6	2.283	3.167	9.3	20.3
2 21	7 25.54	+26 19.5	2.372	3.171	12.2	20.5
459556 2013 GU_{78}			1 16.9	290°.24	1°.7/17.4	17
12 13	8 18.17	+16 4.1	1.590	2.407	16.1	22.1
12 23	8 13.61	+16 3.8	1.500	2.393	12.5	21.8
1 2	8 6.17	+16 14.3	1.431	2.380	8.1	21.5
1 12	7 56.59	+16 33.7	1.388	2.366	3.3	21.2
1 22	7 46.04	+16 58.6	1.372	2.352	3.0	21.1
2 1	7 35.94	+17 25.4	1.384	2.338	7.8	21.4
2 11	7 27.71	+17 50.8	1.421	2.324	12.6	21.6
2 21	7 22.29	+18 12.6	1.480	2.311	16.7	21.9
108403 2001 KT_{28}			1 16.9	168°.18	1°.0/17.3	18
12 13	8 20.10	+16 58.5	2.360	3.152	12.3	20.4
12 23	8 13.97	+17 2.0	2.276	3.157	9.4	20.2
1 2	8 5.83	+17 11.8	2.218	3.162	5.9	20.0
1 12	7 56.35	+17 26.0	2.188	3.166	2.3	19.8
1 22	7 46.38	+17 42.2	2.190	3.169	2.1	19.8
2 1	7 36.88	+17 58.2	2.222	3.172	5.7	20.0
2 11	7 28.75	+18 12.4	2.284	3.173	9.1	20.2
2 21	7 22.63	+18 23.8	2.370	3.174	12.0	20.4
145651 4264 P–L			1 16.9	86°.59	0°.6/16.6	17
12 13	8 23.36	+20 59.3	1.551	2.369	16.4	21.2
12 23	8 17.14	+21 21.4	1.495	2.391	12.3	21.0
1 2	8 8.05	+21 49.8	1.461	2.413	7.5	20.8
1 12	7 57.10	+22 19.4	1.454	2.434	2.5	20.5
1 22	7 45.68	+22 45.5	1.476	2.455	2.8	20.6
2 1	7 35.24	+23 4.5	1.526	2.476	7.6	20.9
2 11	7 27.05	+23 15.4	1.601	2.496	11.9	21.2
2 21	7 21.83	+23 18.7	1.700	2.516	15.5	21.5
451769 2013 GB_{4}			1 16.9	351°.66	1°.8/16.3	17
12 13	8 18.24	+23 15.0	1.279	2.121	17.8	21.0
12 23	8 14.22	+23 39.3	1.207	2.116	13.5	20.7
1 2	8 6.76	+24 9.9	1.157	2.113	8.4	20.4
1 12	7 56.81	+24 40.8	1.130	2.110	3.1	20.1
1 22	7 45.89	+25 5.8	1.129	2.108	3.8	20.1
2 1	7 35.80	+25 20.3	1.154	2.107	9.2	20.4
2 11	7 28.18	+25 23.1	1.202	2.106	14.3	20.7
2 21	7 24.02	+25 15.3	1.270	2.107	18.6	21.0
283164 2009 CR_{24}			1 16.9	188°.68	4°.9/20.7	17
12 13	8 13.15	− 0 25.3	3.017	3.742	11.4	21.7
12 23	8 8.44	− 0 10.4	2.922	3.741	9.4	21.5
1 2	8 2.30	+ 0 19.8	2.851	3.740	7.4	21.4
1 12	7 55.17	+ 1 5.4	2.806	3.739	5.5	21.3
1 22	7 47.65	+ 2 4.9	2.792	3.737	4.9	21.2
2 1	7 40.37	+ 3 15.5	2.808	3.734	5.9	21.3
2 11	7 33.98	+ 4 33.2	2.854	3.732	7.9	21.4
2 21	7 28.96	+ 5 53.9	2.927	3.729	10.0	21.5

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
95396 2002 CG_{188}			1 16.9	118°.03	0°.3/17.0	18
	h m	° ′			°	m
12 13	8 17.71	+18 16.5	2.050	2.857	13.4	20.5
12 23	8 12.48	+18 38.3	1.974	2.865	10.1	20.3
1 2	8 5.04	+19 7.6	1.923	2.872	6.3	20.1
1 12	7 56.12	+19 41.1	1.900	2.879	2.2	19.8
1 22	7 46.66	+20 15.1	1.906	2.886	2.1	19.9
2 1	7 37.74	+20 46.5	1.942	2.893	6.2	20.1
2 11	7 30.35	+21 12.9	2.006	2.900	9.9	20.4
2 21	7 25.17	+21 33.2	2.093	2.906	13.1	20.6
492590 2014 OB_{193}			1 16.9	67°.68	0°.7/17.2	18
12 13	8 19.09	+16 35.6	1.675	2.489	15.6	21.4
12 23	8 13.75	+17 7.0	1.619	2.511	11.8	21.2
1 2	8 5.89	+17 48.8	1.585	2.534	7.3	21.0
1 12	7 56.39	+18 37.0	1.578	2.557	2.6	20.7
1 22	7 46.43	+19 26.4	1.599	2.580	2.4	20.7
2 1	7 37.27	+20 12.5	1.650	2.602	6.9	21.1
2 11	7 30.02	+20 52.0	1.726	2.625	11.0	21.4
2 21	7 25.35	+21 23.5	1.826	2.647	14.4	21.6
505630 2014 HB_{187}			1 16.9	247°.95	1°.7/15.5	17
12 13	8 12.52	+26 46.1	3.593	4.398	8.2	22.0
12 23	8 7.93	+27 21.4	3.496	4.385	6.2	21.8
1 2	8 1.97	+27 57.5	3.426	4.373	3.9	21.6
1 12	7 55.07	+28 31.7	3.385	4.360	2.0	21.5
1 22	7 47.76	+29 1.5	3.376	4.347	2.4	21.5
2 1	7 40.66	+29 24.9	3.399	4.334	4.6	21.6
2 11	7 34.36	+29 41.1	3.450	4.320	6.9	21.8
2 21	7 29.37	+29 50.0	3.527	4.306	9.0	21.9
101445 1998 VG_{47}			1 16.9	259°.41	6°.6/13.3	18
12 13	8 22.11	+34 44.1	1.876	2.693	14.0	19.1
12 23	8 16.73	+36 12.3	1.793	2.681	11.1	18.9
1 2	8 8.21	+37 38.6	1.734	2.668	8.2	18.7
1 12	7 57.32	+38 53.7	1.702	2.655	6.6	18.6
1 22	7 45.30	+39 49.1	1.698	2.642	7.6	18.6
2 1	7 33.74	+40 20.0	1.722	2.628	10.4	18.7
2 11	7 24.18	+40 26.4	1.770	2.614	13.6	18.9
2 21	7 17.69	+40 12.2	1.839	2.600	16.6	19.1
283409 2000 SS_{65}			1 16.9	68°.59	2°.2/17.7	17
12 13	8 21.30	+13 54.1	1.420	2.234	17.9	20.5
12 23	8 15.66	+14 9.0	1.369	2.259	13.6	20.3
1 2	8 7.16	+14 38.2	1.339	2.285	8.8	20.1
1 12	7 56.82	+15 18.2	1.334	2.311	3.8	19.9
1 22	7 46.02	+16 4.1	1.357	2.336	3.2	19.9
2 1	7 36.23	+16 50.5	1.407	2.361	7.7	20.3
2 11	7 28.69	+17 33.3	1.484	2.387	12.1	20.6
2 21	7 24.11	+18 10.0	1.582	2.412	15.8	20.9
325300 2008 HY_{35}			1 16.9	189°.69	4°.8/13.9	17
12 13	8 22.00	+34 50.2	2.577	3.378	11.1	22.2
12 23	8 15.67	+35 55.2	2.498	3.377	8.7	22.0
1 2	8 7.06	+36 56.6	2.444	3.375	6.3	21.9
1 12	7 56.83	+37 48.3	2.420	3.373	4.9	21.8
1 22	7 45.92	+38 25.4	2.426	3.369	5.6	21.8
2 1	7 35.45	+38 45.3	2.461	3.366	7.8	21.9
2 11	7 26.47	+38 48.1	2.524	3.361	10.3	22.1
2 21	7 19.72	+38 36.4	2.609	3.356	12.6	22.3
452283 2015 TX_{199}			1 16.9	115°.57	2°.1/17.6	17
12 13	8 23.56	+15 28.4	1.636	2.440	16.3	21.9
12 23	8 17.16	+15 20.5	1.570	2.456	12.5	21.7
1 2	8 8.04	+15 22.7	1.528	2.473	8.0	21.5
1 12	7 57.13	+15 32.8	1.512	2.488	3.5	21.2
1 22	7 45.69	+15 48.0	1.525	2.503	3.0	21.2
2 1	7 35.10	+16 5.3	1.566	2.518	7.4	21.5
2 11	7 26.58	+16 22.1	1.635	2.532	11.6	21.8
2 21	7 20.85	+16 36.9	1.726	2.545	15.2	22.1
486935 2014 MP_{35}			1 16.9	257°.68	3°.7/17.9	18
12 13	8 20.46	+12 19.7	1.583	2.387	16.8	21.8
12 23	8 15.34	+11 57.4	1.490	2.373	13.2	21.5
1 2	8 7.27	+11 47.7	1.419	2.359	9.1	21.2
1 12	7 57.00	+11 50.5	1.373	2.344	4.9	21.0
1 22	7 45.70	+12 4.5	1.354	2.329	4.3	20.9
2 1	7 34.84	+12 26.7	1.363	2.314	8.4	21.1
2 11	7 25.85	+12 53.6	1.398	2.298	12.9	21.3
2 21	7 19.71	+13 21.9	1.455	2.283	17.1	21.5
501453 2014 AZ_{40}			1 16.9	12°.74	1°.0/17.5	18
12 13	8 13.32	+14 52.4	2.502	3.300	11.5	21.2
12 23	8 8.91	+15 26.8	2.417	3.300	8.8	21.0
1 2	8 2.74	+16 10.6	2.356	3.301	5.6	20.8
1 12	7 55.37	+17 1.1	2.324	3.301	2.2	20.6
1 22	7 47.50	+17 55.0	2.322	3.302	1.9	20.6
2 1	7 39.96	+18 48.8	2.351	3.302	5.3	20.8
2 11	7 33.55	+19 39.3	2.408	3.303	8.5	21.0
2 21	7 28.85	+20 24.4	2.491	3.303	11.3	21.2

335969 2007 TM_{174} 1 16.9 33°.96 5°.3/19.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 13.91	+ 5 20.3	1.995	2.772	14.8	20.5
12 23	8 9.59	+ 4 59.0	1.922	2.780	11.9	20.4
1 2	8 3.24	+ 4 53.7	1.871	2.789	8.8	20.2
1 12	7 55.54	+ 5 5.1	1.845	2.797	6.2	20.0
1 22	7 47.36	+ 5 31.8	1.846	2.806	5.4	20.0
2 1	7 39.68	+ 6 11.1	1.876	2.816	7.4	20.2
2 11	7 33.40	+ 6 58.5	1.933	2.826	10.3	20.3
2 21	7 29.16	+ 7 49.8	2.013	2.836	13.2	20.6

252398 2001 TK_{44} 1 16.9 28°.62 3°.1/17.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 21.20	+17 1.9	1.356	2.180	18.0	19.0
12 23	8 15.72	+15 56.9	1.298	2.194	13.8	18.8
1 2	8 7.25	+14 59.1	1.262	2.209	9.0	18.5
1 12	7 56.87	+14 9.4	1.250	2.226	4.3	18.3
1 22	7 46.04	+13 28.3	1.266	2.243	4.0	18.3
2 1	7 36.29	+12 55.8	1.308	2.261	8.4	18.6
2 11	7 28.90	+12 31.1	1.375	2.280	12.8	18.9
2 21	7 24.57	+12 12.8	1.463	2.299	16.6	19.2

210811 2001 KC_{14} 1 16.9 183°.62 2°.6/18.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.18	+11 4.7	2.441	3.218	12.4	21.2
12 23	8 12.53	+11 13.7	2.351	3.219	9.6	21.0
1 2	8 4.98	+11 33.4	2.285	3.219	6.5	20.8
1 12	7 56.12	+12 2.6	2.248	3.218	3.5	20.6
1 22	7 46.73	+12 39.0	2.242	3.217	2.9	20.6
2 1	7 37.71	+13 19.7	2.267	3.214	5.7	20.8
2 11	7 29.89	+14 1.6	2.321	3.211	8.9	21.0
2 21	7 23.93	+14 42.1	2.400	3.207	11.8	21.2

458357 2010 VB_{199} 1 16.9 110°.49 4°.7/18.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.10	+ 6 56.2	2.083	2.853	14.5	22.0
12 23	8 13.28	+ 6 35.4	2.015	2.872	11.5	21.8
1 2	8 5.41	+ 6 28.7	1.970	2.891	8.3	21.7
1 12	7 56.24	+ 6 36.2	1.953	2.909	5.5	21.5
1 22	7 46.67	+ 6 56.6	1.964	2.927	4.8	21.5
2 1	7 37.69	+ 7 27.1	2.005	2.945	7.0	21.7
2 11	7 30.21	+ 8 4.1	2.073	2.961	10.0	21.9
2 21	7 24.82	+ 8 44.0	2.166	2.978	12.8	22.1

242437 2004 OX_{4} 1 16.9 110°.99 0°.1/16.8 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 24.69	+20 19.4	1.762	2.570	15.2	21.2
12 23	8 17.85	+20 32.0	1.701	2.592	11.4	21.0
1 2	8 8.38	+20 50.1	1.664	2.613	7.0	20.8
1 12	7 57.24	+21 9.8	1.654	2.634	2.3	20.6
1 22	7 45.66	+21 27.4	1.674	2.654	2.5	20.6
2 1	7 34.97	+21 40.2	1.724	2.674	7.0	20.9
2 11	7 26.32	+21 47.1	1.801	2.692	11.0	21.2
2 21	7 20.39	+21 48.3	1.901	2.710	14.4	21.5

143242 2002 YM_{25} 1 16.9 299°.23 1°.0/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.62	+21 2.5	1.732	2.555	14.8	20.0
12 23	8 13.03	+21 39.8	1.648	2.547	11.2	19.7
1 2	8 5.73	+22 25.0	1.588	2.540	6.9	19.4
1 12	7 56.47	+23 13.3	1.553	2.533	2.4	19.1
1 22	7 46.37	+23 59.1	1.547	2.526	2.9	19.2
2 1	7 36.77	+24 37.8	1.570	2.520	7.5	19.4
2 11	7 28.95	+25 6.7	1.618	2.513	11.8	19.7
2 21	7 23.79	+25 25.2	1.689	2.507	15.5	19.9

408466 2013 HE_{64} 1 16.9 337°.28 3°.8/18.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.89	+12 28.7	1.472	2.285	17.4	20.7
12 23	8 13.41	+12 2.7	1.393	2.281	13.6	20.5
1 2	8 6.03	+11 50.1	1.335	2.277	9.3	20.2
1 12	7 56.57	+11 50.8	1.302	2.273	5.0	20.0
1 22	7 46.28	+12 3.2	1.295	2.270	4.4	19.9
2 1	7 36.61	+12 24.3	1.315	2.267	8.4	20.2
2 11	7 28.94	+12 50.3	1.360	2.265	12.9	20.4
2 21	7 24.16	+13 17.6	1.426	2.263	16.9	20.6

171291 2006 GH_{35} 1 16.9 224°.91 4°.1/18.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.64	+ 9 4.2	1.842	2.629	15.5	20.7
12 23	8 13.52	+ 8 58.4	1.751	2.621	12.3	20.4
1 2	8 5.91	+ 9 7.6	1.682	2.614	8.6	20.2
1 12	7 56.52	+ 9 31.8	1.640	2.605	5.2	20.0
1 22	7 46.32	+10 8.8	1.625	2.597	4.4	19.9
2 1	7 36.54	+10 55.0	1.640	2.588	7.5	20.1
2 11	7 28.32	+11 45.9	1.682	2.578	11.4	20.3
2 21	7 22.51	+12 37.2	1.747	2.568	14.9	20.5

104239 2000 EG_{133} 1 16.9 5°.95 5°.4/15.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 21.88	+30 25.6	1.148	1.996	19.0	19.3
12 23	8 17.45	+31 2.2	1.086	1.995	14.6	19.0
1 2	8 8.96	+31 36.5	1.043	1.996	9.8	18.7
1 12	7 57.60	+31 59.1	1.024	1.997	5.8	18.5
1 22	7 45.26	+32 2.3	1.029	1.999	6.7	18.6
2 1	7 34.12	+31 43.4	1.059	2.002	11.2	18.8
2 11	7 26.05	+31 5.3	1.110	2.006	16.0	19.1
2 21	7 22.02	+30 13.7	1.181	2.011	20.1	19.4

251648 4277 $P\text{–}L$ 1 16.9 63°.77 3°.2/18.2 16

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 21.95	+11 42.4	1.569	2.369	17.1	21.1
12 23	8 15.75	+11 41.6	1.525	2.406	13.1	20.9
1 2	8 7.02	+11 55.3	1.502	2.442	8.7	20.7
1 12	7 56.76	+12 21.2	1.506	2.478	4.5	20.6
1 22	7 46.24	+12 55.6	1.537	2.513	3.7	20.6
2 1	7 36.73	+13 34.3	1.597	2.548	7.3	20.9
2 11	7 29.30	+14 13.3	1.684	2.583	11.2	21.2
2 21	7 24.55	+14 49.4	1.793	2.617	14.5	21.5

150759 2001 QE_{157} 1 16.9 190°.64 2°.1/17.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 21.68	+13 46.0	2.000	2.791	14.3	21.1
12 23	8 15.59	+13 51.1	1.912	2.790	11.0	20.9
1 2	8 7.09	+14 6.9	1.847	2.788	7.3	20.7
1 12	7 56.89	+14 31.4	1.810	2.785	3.4	20.4
1 22	7 45.98	+15 1.8	1.803	2.781	2.9	20.4
2 1	7 35.54	+15 34.9	1.827	2.776	6.7	20.6
2 11	7 26.67	+16 7.6	1.878	2.771	10.6	20.9
2 21	7 20.15	+16 37.7	1.954	2.764	14.0	21.1

138655 2000 RG_{81} 1 16.9 91°.95 2°.0/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 21.92	+28 40.7	2.450	3.254	11.6	19.3
12 23	8 15.25	+28 31.3	2.375	3.263	8.7	19.1
1 2	8 6.57	+28 19.0	2.325	3.272	5.5	19.0
1 12	7 56.62	+28 0.9	2.305	3.281	2.6	18.8
1 22	7 46.35	+27 35.4	2.315	3.289	2.9	18.8
2 1	7 36.75	+27 2.1	2.357	3.298	6.0	19.0
2 11	7 28.69	+26 22.3	2.427	3.307	9.1	19.2
2 21	7 22.76	+25 38.2	2.523	3.315	11.7	19.4

263423 2008 DO_{52} 1 16.9 216°.81 2°.4/15.6 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.50	+28 45.0	2.781	3.589	10.2	20.8
12 23	8 11.20	+29 5.1	2.697	3.587	7.7	20.6
1 2	8 4.12	+29 23.9	2.639	3.585	5.0	20.4
1 12	7 55.85	+29 38.3	2.610	3.584	2.6	20.2
1 22	7 47.15	+29 45.6	2.612	3.582	3.1	20.3
2 1	7 38.87	+29 44.2	2.644	3.580	5.7	20.4
2 11	7 31.80	+29 34.1	2.704	3.578	8.5	20.6
2 21	7 26.51	+29 16.4	2.790	3.576	10.9	20.8

419711 2010 UW_{80} 1 16.9 26°.80 12°.7/21.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.89	− 8 42.8	1.731	2.443	19.0	20.7
12 23	8 12.22	−10 26.8	1.662	2.446	16.9	20.5
1 2	8 5.09	−11 45.7	1.611	2.449	14.9	20.4
1 12	7 56.25	−12 33.0	1.581	2.453	13.3	20.3
1 22	7 46.73	−12 45.3	1.574	2.457	12.7	20.3
2 1	7 37.71	−12 23.0	1.590	2.461	13.4	20.3
2 11	7 30.35	−11 31.4	1.629	2.465	15.0	20.5
2 21	7 25.41	−10 18.8	1.687	2.470	17.0	20.6

394811 2008 RJ_{137} 1 16.9 79°.68 5°.2/18.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.23	+ 9 15.7	1.426	2.228	18.4	20.9
12 23	8 15.06	+ 8 44.0	1.359	2.237	14.6	20.6
1 2	8 6.97	+ 8 29.4	1.313	2.246	10.3	20.4
1 12	7 56.88	+ 8 32.4	1.291	2.256	6.4	20.2
1 22	7 46.11	+ 8 51.5	1.295	2.265	5.6	20.2
2 1	7 36.14	+ 9 23.1	1.326	2.274	8.8	20.4
2 11	7 28.30	+10 2.1	1.382	2.283	13.0	20.7
2 21	7 23.40	+10 43.7	1.459	2.292	16.7	20.9

413077 2001 SK_{321} 1 16.9 168°.95 5°.5/19.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.55	+ 3 15.3	2.387	3.135	13.4	21.5
12 23	8 12.05	+ 2 51.3	2.302	3.140	11.0	21.4
1 2	8 4.68	+ 2 41.9	2.240	3.144	8.4	21.2
1 12	7 56.06	+ 2 48.1	2.205	3.147	6.1	21.1
1 22	7 46.96	+ 3 9.1	2.199	3.150	5.5	21.0
2 1	7 38.24	+ 3 42.9	2.222	3.152	7.1	21.1
2 11	7 30.74	+ 4 26.0	2.274	3.153	9.6	21.3
2 21	7 25.07	+ 5 14.4	2.351	3.154	12.2	21.5

419096 2009 SX_{155} 1 16.9 128°.77 5°.8/19.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.30	+ 2 25.8	2.195	2.948	14.3	21.8
12 23	8 11.22	+ 2 8.2	2.117	2.957	11.7	21.6
1 2	8 4.21	+ 2 7.5	2.063	2.967	9.0	21.4
1 12	7 55.91	+ 2 24.5	2.034	2.976	6.6	21.3
1 22	7 47.13	+ 2 58.0	2.033	2.984	5.9	21.3
2 1	7 38.82	+ 3 45.1	2.061	2.993	7.4	21.4
2 11	7 31.81	+ 4 41.4	2.117	3.001	10.0	21.6
2 21	7 26.74	+ 5 42.3	2.197	3.008	12.6	21.7

163698 2003 EA_{62} 1 16.9 206°.72 2°.7/15.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 23.70	+26 52.0	2.088	2.896	13.1	21.7
12 23	8 17.27	+27 31.5	1.999	2.890	10.0	21.5
1 2	8 8.23	+28 12.4	1.935	2.883	6.4	21.2
1 12	7 57.32	+28 49.2	1.900	2.875	3.2	21.0
1 22	7 45.61	+29 17.0	1.894	2.866	3.9	21.0
2 1	7 34.39	+29 32.5	1.919	2.856	7.4	21.2
2 11	7 24.88	+29 35.1	1.971	2.846	11.1	21.4
2 21	7 17.90	+29 26.6	2.047	2.834	14.3	21.6

288848 2004 RW_{204} 1 16.9 203°.01 1°.8/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 24.17	+24 45.4	1.902	2.712	14.2	21.7
12 23	8 17.74	+25 5.8	1.816	2.708	10.7	21.4
1 2	8 8.56	+25 28.3	1.753	2.703	6.7	21.2
1 12	7 57.44	+25 48.4	1.719	2.697	2.7	20.9
1 22	7 45.54	+26 1.5	1.714	2.691	3.2	20.9
2 1	7 34.22	+26 5.2	1.739	2.684	7.4	21.2
2 11	7 24.77	+25 58.9	1.792	2.676	11.5	21.4
2 21	7 18.03	+25 44.3	1.867	2.668	15.0	21.6

175930 2000 DM_{91} 1 16.9 107°.04 2°.0/17.8 18

12 13	8 19.11	+13 55.8	1.884	2.684	14.7	21.0
12 23	8 13.62	+14 7.6	1.815	2.698	11.2	20.8
1 2	8 5.81	+14 30.7	1.770	2.712	7.3	20.6
1 12	7 56.46	+15 2.5	1.751	2.726	3.3	20.4
1 22	7 46.61	+15 39.8	1.761	2.740	2.7	20.4
2 1	7 37.38	+16 18.7	1.801	2.753	6.6	20.7
2 11	7 29.82	+16 56.0	1.869	2.766	10.4	20.9
2 21	7 24.61	+17 29.3	1.960	2.778	13.7	21.2

338255 2002 TS_{222} 1 16.9 81°.88 3°.1/18.0 18

12 13	8 22.72	+12 24.9	1.368	2.179	18.6	21.2
12 23	8 16.88	+12 26.5	1.314	2.201	14.4	21.0
1 2	8 8.03	+12 44.2	1.281	2.224	9.5	20.8
1 12	7 57.21	+13 15.4	1.272	2.246	4.6	20.6
1 22	7 45.88	+13 55.7	1.291	2.268	3.8	20.6
2 1	7 35.57	+14 40.0	1.336	2.290	8.2	20.9
2 11	7 27.61	+15 23.5	1.408	2.311	12.6	21.2
2 21	7 22.73	+16 3.0	1.501	2.332	16.5	21.5

376704 2013 RK_8 1 16.9 143°.68 0°.3/16.7 18

12 13	8 18.56	+21 10.7	2.102	2.912	13.0	21.8
12 23	8 13.14	+21 21.2	2.023	2.915	9.8	21.6
1 2	8 5.51	+21 36.0	1.968	2.918	6.1	21.4
1 12	7 56.37	+21 52.1	1.941	2.921	2.0	21.1
1 22	7 46.70	+22 6.5	1.944	2.924	2.2	21.1
2 1	7 37.56	+22 16.8	1.976	2.926	6.2	21.4
2 11	7 29.97	+22 21.8	2.036	2.928	9.9	21.6
2 21	7 24.59	+22 21.5	2.120	2.931	13.1	21.8

223674 2004 PW_{74} 1 16.9 82°.59 2°.3/17.9 18

12 13	8 17.77	+13 38.4	1.932	2.731	14.4	20.4
12 23	8 12.55	+13 38.5	1.863	2.745	11.0	20.2
1 2	8 5.11	+13 49.3	1.818	2.759	7.2	20.0
1 12	7 56.23	+14 9.0	1.799	2.773	3.5	19.8
1 22	7 46.88	+14 35.0	1.810	2.787	2.9	19.8
2 1	7 38.14	+15 4.0	1.850	2.801	6.4	20.1
2 11	7 31.00	+15 33.3	1.917	2.815	10.1	20.3
2 21	7 26.10	+16 0.5	2.008	2.828	13.3	20.5

105722 2000 SF_{80} 1 16.9 17°.68 1°.7/17.4 18

12 13	8 15.59	+16 29.0	1.080	1.927	20.0	19.2
12 23	8 12.37	+16 30.9	1.024	1.934	15.3	18.9
1 2	8 5.64	+16 47.3	0.987	1.942	9.7	18.6
1 12	7 56.51	+17 15.1	0.972	1.951	3.8	18.3
1 22	7 46.59	+17 48.8	0.981	1.962	3.3	18.3
2 1	7 37.70	+18 23.1	1.015	1.974	9.1	18.7
2 11	7 31.44	+18 53.3	1.070	1.987	14.4	19.1
2 21	7 28.64	+19 16.8	1.146	2.002	18.8	19.4

235685 2004 SR_{12} 1 16.9 106°.48 5°.2/15.0 18

12 13	8 26.15	+31 47.6	1.600	2.421	15.9	20.2
12 23	8 19.61	+32 42.5	1.542	2.435	12.2	20.0
1 2	8 9.82	+33 33.8	1.506	2.450	8.3	19.8
1 12	7 57.84	+34 13.2	1.497	2.463	5.5	19.7
1 22	7 45.22	+34 34.0	1.516	2.477	6.3	19.8
2 1	7 33.65	+34 33.9	1.562	2.490	9.6	20.0
2 11	7 24.57	+34 14.9	1.633	2.503	13.3	20.2
2 21	7 18.81	+33 41.8	1.726	2.515	16.4	20.5

121210 1999 QG_2 1 16.9 232°.78 0°.5/16.6 18

12 13	8 21.06	+19 55.6	2.245	3.044	12.6	20.7
12 23	8 15.18	+20 35.6	2.140	3.027	9.6	20.5
1 2	8 6.93	+21 23.2	2.061	3.009	6.0	20.2
1 12	7 56.92	+22 14.2	2.011	2.991	2.0	19.9
1 22	7 46.05	+23 4.3	1.992	2.971	2.3	19.9
2 1	7 35.41	+23 49.1	2.004	2.950	6.5	20.2
2 11	7 26.12	+24 26.1	2.045	2.929	10.3	20.3
2 21	7 19.02	+24 54.1	2.110	2.906	13.6	20.5

135410 2001 UX_5 1 16.9 117°.90 0°.5/16.6 18

12 13	8 15.74	+20 41.1	2.706	3.508	10.6	20.4
12 23	8 10.56	+21 11.1	2.633	3.521	7.9	20.2
1 2	8 3.70	+21 45.3	2.585	3.534	4.9	20.0
1 12	7 55.74	+22 20.7	2.567	3.547	1.6	19.8
1 22	7 47.40	+22 54.4	2.580	3.559	1.9	19.8
2 1	7 39.47	+23 23.9	2.624	3.571	5.1	20.1
2 11	7 32.70	+23 47.7	2.696	3.583	8.0	20.3
2 21	7 27.62	+24 5.1	2.795	3.594	10.5	20.5

126032 2001 YP_{66} 1 16.9 75°.47 2°.2/16.1 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 24.93	+24 8.1	1.422	2.247	17.2	19.5
12 23	8 18.58	+24 46.6	1.373	2.273	12.9	19.3
1 2	8 9.08	+25 28.6	1.347	2.299	8.0	19.1
1 12	7 57.56	+26 7.3	1.346	2.325	3.2	18.9
1 22	7 45.58	+26 36.6	1.373	2.350	3.9	19.0
2 1	7 34.79	+26 53.2	1.428	2.375	8.5	19.3
2 11	7 26.52	+26 57.1	1.508	2.400	12.8	19.6
2 21	7 21.50	+26 50.3	1.610	2.424	16.3	19.9

404904 2014 KJ_{89} 1 16.9 254°.74 0°.0/16.9 18

12 13	8 19.46	+17 33.4	1.501	2.323	16.7	20.7
12 23	8 14.79	+18 17.4	1.419	2.317	12.7	20.4
1 2	8 7.05	+19 14.9	1.359	2.311	8.0	20.1
1 12	7 57.03	+20 20.9	1.325	2.305	2.7	19.8
1 22	7 45.98	+21 28.5	1.318	2.299	2.8	19.8
2 1	7 35.45	+22 31.1	1.339	2.292	8.2	20.1
2 11	7 26.96	+23 23.9	1.386	2.286	13.1	20.4
2 21	7 21.51	+24 4.8	1.454	2.279	17.2	20.6

378422 2007 RP_{207} 1 16.9 74°.79 3°.5/15.3 18

12 13	8 19.40	+30 2.3	2.192	3.006	12.4	20.9
12 23	8 13.73	+30 41.0	2.130	3.022	9.4	20.8
1 2	8 5.82	+31 17.6	2.093	3.038	6.2	20.6
1 12	7 56.46	+31 47.2	2.084	3.054	3.7	20.5
1 22	7 46.68	+32 5.8	2.105	3.070	4.3	20.5
2 1	7 37.57	+32 11.4	2.155	3.086	7.1	20.7
2 11	7 30.13	+32 4.4	2.231	3.102	10.1	21.0
2 21	7 24.97	+31 46.9	2.332	3.118	12.8	21.2

8294 Takayuki 1 16.9 6°.29 4°.2/18.5 18

12 13	8 15.51	+ 9 43.3	2.015	2.804	14.2	16.6
12 23	8 10.87	+ 9 13.9	1.933	2.804	11.3	16.4
1 2	8 4.12	+ 8 56.4	1.874	2.805	8.0	16.2
1 12	7 55.93	+ 8 51.0	1.842	2.806	5.0	16.0
1 22	7 47.20	+ 8 57.2	1.838	2.807	4.4	16.0
2 1	7 38.94	+ 9 12.8	1.863	2.808	7.0	16.1
2 11	7 32.10	+ 9 35.1	1.914	2.809	10.3	16.3
2 21	7 27.36	+10 0.9	1.989	2.811	13.3	16.5

166249 2002 GB_{21} 1 16.9 245°.98 1°.6/16.3 18

12 13	8 21.24	+23 28.3	1.808	2.625	14.5	20.2
12 23	8 15.77	+23 55.9	1.717	2.613	11.0	19.9
1 2	8 7.48	+24 28.3	1.650	2.601	6.9	19.7
1 12	7 57.14	+25 0.3	1.610	2.589	2.6	19.4
1 22	7 45.89	+25 27.2	1.598	2.576	3.2	19.4
2 1	7 35.10	+25 45.1	1.616	2.562	7.7	19.6
2 11	7 26.14	+25 52.8	1.660	2.549	11.9	19.9
2 21	7 19.90	+25 50.8	1.726	2.535	15.6	20.1

139367 2001 ME_{12} 1 16.9 89°.21 2°.5/16.1 18

12 13	8 23.32	+27 2.6	1.783	2.600	14.6	19.2
12 23	8 17.00	+27 17.8	1.719	2.615	11.0	19.0
1 2	8 7.97	+27 32.4	1.679	2.629	7.0	18.7
1 12	7 57.20	+27 41.6	1.666	2.643	3.1	18.5
1 22	7 45.95	+27 41.6	1.682	2.657	3.7	18.6
2 1	7 35.60	+27 31.0	1.727	2.670	7.6	18.9
2 11	7 27.31	+27 10.5	1.798	2.684	11.4	19.1
2 21	7 21.79	+26 42.4	1.892	2.697	14.6	19.4

185150 Panevezys 1 16.9 50°.01 0°.9/17.2 18

12 13	8 19.12	+17 47.0	1.503	2.326	16.6	21.0
12 23	8 14.14	+17 53.8	1.442	2.340	12.6	20.8
1 2	8 6.35	+18 10.1	1.403	2.354	7.9	20.6
1 12	7 56.70	+18 32.7	1.389	2.368	2.9	20.3
1 22	7 46.49	+18 57.3	1.403	2.383	2.6	20.3
2 1	7 37.14	+19 20.4	1.444	2.398	7.5	20.6
2 11	7 29.88	+19 39.5	1.511	2.414	11.9	20.9
2 21	7 25.46	+19 53.2	1.599	2.430	15.7	21.2

297380 2000 OS_{49} 1 16.9 95°.93 2°.3/16.1 16

12 13	8 27.93	+26 21.9	1.761	2.570	15.1	21.5
12 23	8 20.25	+26 43.2	1.709	2.601	11.3	21.3
1 2	8 9.86	+27 4.2	1.682	2.630	7.1	21.1
1 12	7 57.80	+27 19.6	1.682	2.659	3.1	21.0
1 22	7 45.43	+27 25.3	1.712	2.687	3.6	21.1
2 1	7 34.16	+27 19.9	1.771	2.714	7.5	21.4
2 11	7 25.15	+27 4.5	1.858	2.740	11.3	21.6
2 21	7 19.04	+26 41.6	1.968	2.765	14.4	21.9

193372 2000 UV_{98} 1 16.9 120°.76 1°.8/17.5 18

12 13	8 22.41	+16 8.4	1.777	2.579	15.3	20.1
12 23	8 16.21	+15 59.0	1.707	2.593	11.7	19.9
1 2	8 7.47	+15 58.2	1.661	2.606	7.5	19.7
1 12	7 57.06	+16 4.1	1.642	2.619	3.2	19.5
1 22	7 46.14	+16 14.1	1.652	2.631	2.8	19.5
2 1	7 35.96	+16 25.8	1.691	2.643	6.9	19.8
2 11	7 27.65	+16 37.1	1.758	2.654	11.0	20.0
2 21	7 21.93	+16 46.8	1.848	2.665	14.4	20.3

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
193135 2000 HV_{59}			1 16.9 214°.05		3°.0/18.1 18	
	h m	° ′			°	m
12 13	8 20.58	+12 11.1	1.838	2.631	15.2	21.6
12 23	8 15.03	+12 6.4	1.747	2.625	11.9	21.3
1 2	8 6.91	+12 14.2	1.679	2.618	8.0	21.1
1 12	7 56.95	+12 33.4	1.638	2.610	4.2	20.8
1 22	7 46.17	+13 1.5	1.626	2.602	3.6	20.8
2 1	7 35.84	+13 35.3	1.643	2.593	7.3	21.0
2 11	7 27.15	+14 11.2	1.687	2.583	11.4	21.2
2 21	7 20.94	+14 46.2	1.755	2.573	15.0	21.4
457192 2008 HV			1 16.9 319°.00		1°.4/17.4 18	
12 13	8 16.91	+16 39.8	1.606	2.426	15.9	21.5
12 23	8 12.64	+16 43.7	1.520	2.416	12.2	21.3
1 2	8 5.59	+16 58.0	1.457	2.406	7.8	21.0
1 12	7 56.53	+17 20.4	1.419	2.397	3.1	20.7
1 22	7 46.61	+17 47.4	1.408	2.388	2.7	20.6
2 1	7 37.19	+18 15.2	1.425	2.380	7.6	20.9
2 11	7 29.60	+18 40.6	1.467	2.371	12.1	21.1
2 21	7 24.75	+19 1.5	1.531	2.364	16.1	21.4
117379 2004 XW_{169}			1 16.9 327°.69		1°.7/16.1 18	
12 13	8 17.84	+23 57.6	1.951	2.770	13.5	19.9
12 23	8 12.90	+24 28.8	1.871	2.768	10.2	19.7
1 2	8 5.53	+25 3.8	1.815	2.766	6.3	19.5
1 12	7 56.46	+25 37.9	1.786	2.764	2.5	19.2
1 22	7 46.72	+26 6.6	1.786	2.763	3.1	19.3
2 1	7 37.51	+26 26.8	1.815	2.761	7.0	19.5
2 11	7 29.96	+26 37.2	1.871	2.760	10.8	19.7
2 21	7 24.82	+26 38.2	1.950	2.758	14.1	20.0
143151 2002 XC_{46}			1 16.9 300°.54		15°.4/18.0 18	
12 13	8 20.19	−12 8.7	1.784	2.465	19.5	19.1
12 23	8 15.02	−14 47.7	1.697	2.447	18.0	18.9
1 2	8 7.12	−17 6.1	1.629	2.429	16.5	18.8
1 12	7 57.09	−18 54.0	1.583	2.412	15.6	18.7
1 22	7 45.95	−20 3.7	1.559	2.394	15.5	18.6
2 1	7 35.00	−20 31.8	1.557	2.377	16.3	18.6
2 11	7 25.59	−20 20.8	1.575	2.360	17.8	18.7
2 21	7 18.73	−19 37.9	1.611	2.344	19.7	18.8
402534 2006 FY_{10}			1 16.9 274°.24		0°.3/16.8 18	
12 13	8 19.61	+19 42.5	1.588	2.410	15.9	21.4
12 23	8 14.87	+20 8.0	1.498	2.396	12.2	21.1
1 2	8 7.10	+20 42.8	1.430	2.382	7.6	20.8
1 12	7 57.08	+21 22.9	1.388	2.368	2.6	20.5
1 22	7 46.00	+22 2.7	1.373	2.354	2.8	20.4
2 1	7 35.38	+22 37.4	1.387	2.339	8.0	20.7
2 11	7 26.68	+23 4.0	1.426	2.325	12.8	21.0
2 21	7 20.94	+23 21.5	1.487	2.310	17.0	21.2
255962 2006 TH_{37}			1 16.9 72°.19		1°.0/17.3 18	
12 13	8 19.37	+17 28.9	1.681	2.496	15.5	21.0
12 23	8 14.11	+17 35.1	1.614	2.507	11.8	20.8
1 2	8 6.26	+17 50.1	1.569	2.518	7.4	20.5
1 12	7 56.68	+18 11.0	1.551	2.530	2.8	20.3
1 22	7 46.54	+18 34.2	1.561	2.541	2.5	20.3
2 1	7 37.13	+18 56.5	1.599	2.553	7.1	20.6
2 11	7 29.61	+19 15.4	1.664	2.564	11.2	20.8
2 21	7 24.71	+19 29.7	1.752	2.576	14.8	21.1
25052 Rudawska			1 16.9 89°.52		3°.4/18.3 18	
12 13	8 19.99	+11 31.4	1.764	2.559	15.7	19.0
12 23	8 14.33	+11 19.3	1.700	2.578	12.2	18.8
1 2	8 6.27	+11 20.1	1.659	2.596	8.2	18.6
1 12	7 56.66	+11 32.8	1.644	2.614	4.5	18.5
1 22	7 46.59	+11 54.9	1.658	2.632	3.8	18.5
2 1	7 37.25	+12 23.4	1.700	2.650	7.1	18.7
2 11	7 29.69	+12 54.6	1.769	2.667	10.8	18.9
2 21	7 24.59	+13 25.5	1.862	2.684	14.1	19.2
171352 2006 KB_{65}			1 16.9 187°.88		0°.1/16.9 17	
12 13	8 15.86	+19 22.1	2.868	3.664	10.2	22.0
12 23	8 10.64	+19 40.4	2.779	3.664	7.7	21.8
1 2	8 3.78	+20 3.3	2.715	3.663	4.8	21.6
1 12	7 55.82	+20 28.4	2.681	3.661	1.6	21.4
1 22	7 47.42	+20 53.4	2.679	3.659	1.7	21.4
2 1	7 39.35	+21 16.1	2.708	3.656	4.8	21.6
2 11	7 32.32	+21 35.0	2.766	3.653	7.8	21.8
2 21	7 26.89	+21 49.4	2.850	3.650	10.3	21.9
391047 2005 TE_{151}			1 16.9 200°.94		1°.3/16.4 18	
12 13	8 23.11	+21 58.3	1.774	2.586	14.9	21.8
12 23	8 17.16	+22 36.6	1.689	2.583	11.3	21.6
1 2	8 8.34	+23 21.5	1.628	2.579	7.0	21.3
1 12	7 57.46	+24 7.7	1.594	2.574	2.5	21.0
1 22	7 45.68	+24 49.5	1.590	2.568	3.1	21.1
2 1	7 34.44	+25 22.4	1.615	2.562	7.7	21.3
2 11	7 25.09	+25 44.4	1.667	2.555	12.0	21.6
2 21	7 18.55	+25 55.8	1.741	2.547	15.7	21.8

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
357568 2004 TL_{134}			1 16.9 18°.96		10°.5/20.6 18	
	h m	° ′			°	m
12 13	8 13.80	+ 1 46.3	1.068	1.879	22.8	19.6
12 23	8 10.86	+ 0 32.7	1.016	1.887	19.0	19.4
1 2	8 4.65	− 0 11.6	0.980	1.897	15.0	19.2
1 12	7 56.22	− 0 21.3	0.965	1.909	11.6	19.0
1 22	7 47.04	+ 0 3.9	0.970	1.922	10.5	19.0
2 1	7 38.82	+ 0 59.3	0.998	1.937	12.4	19.2
2 11	7 33.02	+ 2 15.0	1.047	1.953	15.8	19.4
2 21	7 30.47	+ 3 40.2	1.115	1.970	19.3	19.7
314772 2006 SB_{372}			1 16.9 343°.26		1°.7/17.5 18	
12 13	8 17.15	+15 58.7	1.518	2.340	16.6	20.7
12 23	8 12.88	+16 0.3	1.439	2.335	12.7	20.5
1 2	8 5.76	+16 13.3	1.382	2.331	8.2	20.2
1 12	7 56.60	+16 35.4	1.350	2.328	3.4	19.9
1 22	7 46.61	+17 3.3	1.345	2.325	2.9	19.9
2 1	7 37.24	+17 32.7	1.367	2.322	7.8	20.2
2 11	7 29.81	+18 0.3	1.414	2.320	12.4	20.4
2 21	7 25.21	+18 23.7	1.483	2.319	16.4	20.7
354409 2003 UB_{239}			1 16.9 127°.09		2°.0/16.1 18	
12 13	8 23.31	+25 2.5	1.901	2.713	14.1	21.5
12 23	8 16.91	+25 33.1	1.834	2.727	10.6	21.3
1 2	8 7.93	+26 5.7	1.791	2.741	6.6	21.1
1 12	7 57.24	+26 35.2	1.776	2.754	2.8	20.8
1 22	7 46.02	+26 57.0	1.790	2.766	3.3	20.9
2 1	7 35.55	+27 8.6	1.834	2.778	7.2	21.2
2 11	7 26.98	+27 9.6	1.906	2.789	11.0	21.4
2 21	7 21.04	+27 1.4	2.000	2.799	14.1	21.6
66425 1999 NS_{32}			1 16.9 156°.13		0°.4/16.7 18	
12 13	8 21.51	+20 11.0	2.138	2.940	13.1	20.0
12 23	8 15.34	+20 42.8	2.061	2.949	9.8	19.8
1 2	8 6.89	+21 20.5	2.009	2.957	6.1	19.5
1 12	7 56.90	+22 0.1	1.985	2.965	2.0	19.3
1 22	7 46.35	+22 37.7	1.992	2.972	2.3	19.3
2 1	7 36.33	+23 9.7	2.030	2.978	6.3	19.6
2 11	7 27.88	+23 34.4	2.096	2.983	9.9	19.8
2 21	7 21.69	+23 51.4	2.187	2.987	13.0	20.0
406679 2008 EJ_{113}			1 16.9 356°.88		3°.3/16.4 18	
12 13	8 20.28	+29 14.7	1.175	2.023	18.6	20.0
12 23	8 16.09	+28 59.0	1.106	2.017	14.3	19.8
1 2	8 8.07	+28 38.5	1.058	2.013	9.2	19.5
1 12	7 57.40	+28 7.5	1.033	2.010	4.3	19.2
1 22	7 45.86	+27 22.8	1.032	2.009	4.8	19.2
2 1	7 35.47	+26 24.8	1.057	2.009	9.9	19.5
2 11	7 27.95	+25 17.5	1.104	2.011	15.0	19.8
2 21	7 24.21	+24 6.1	1.171	2.015	19.3	20.0
188927 2007 CM_{2}			1 16.9 230°.66		1°.5/17.8 17	
12 13	8 12.76	+14 10.2	2.884	3.674	10.4	21.1
12 23	8 8.31	+14 21.8	2.793	3.671	7.9	20.9
1 2	8 2.35	+14 41.0	2.727	3.667	5.2	20.7
1 12	7 55.36	+15 6.2	2.689	3.664	2.4	20.5
1 22	7 47.95	+15 35.4	2.683	3.661	2.0	20.5
2 1	7 40.82	+16 6.5	2.707	3.657	4.7	20.7
2 11	7 34.65	+16 37.3	2.760	3.654	7.6	20.9
2 21	7 29.96	+17 6.1	2.839	3.650	10.1	21.0
90327 2003 FO_{83}			1 16.9 314°.81		7°.8/12.9 18	
12 13	8 20.86	+36 56.7	1.714	2.537	14.9	18.8
12 23	8 16.13	+38 28.4	1.639	2.527	11.9	18.6
1 2	8 8.04	+39 55.9	1.587	2.517	9.2	18.4
1 12	7 57.44	+41 8.6	1.561	2.507	7.8	18.3
1 22	7 45.72	+41 57.9	1.561	2.498	8.8	18.4
2 1	7 34.60	+42 19.1	1.588	2.489	11.5	18.5
2 11	7 25.74	+42 13.2	1.637	2.480	14.6	18.7
2 21	7 20.21	+41 45.1	1.707	2.472	17.5	18.8
222833 2002 EL_{13}			1 16.9 284°.42		4°.1/14.8 18	
12 13	8 19.35	+29 30.8	1.978	2.798	13.3	19.7
12 23	8 14.41	+30 29.2	1.882	2.777	10.2	19.4
1 2	8 6.73	+31 29.1	1.811	2.756	6.9	19.2
1 12	7 56.98	+32 23.9	1.766	2.735	4.3	19.0
1 22	7 46.22	+33 7.2	1.751	2.714	5.2	19.0
2 1	7 35.79	+33 34.4	1.763	2.693	8.6	19.2
2 11	7 27.03	+33 44.4	1.802	2.672	12.2	19.3
2 21	7 20.91	+33 39.0	1.863	2.651	15.5	19.5
320747 2008 EQ_{52}			1 16.9 219°.71		5°.5/14.1 18	
12 13	8 24.26	+36 53.6	2.414	3.212	11.9	21.0
12 23	8 17.65	+37 46.6	2.327	3.203	9.4	20.8
1 2	8 8.48	+38 34.0	2.266	3.192	7.0	20.6
1 12	7 57.50	+39 9.5	2.233	3.181	5.6	20.5
1 22	7 45.75	+39 28.0	2.229	3.170	6.2	20.5
2 1	7 34.50	+39 27.2	2.254	3.158	8.5	20.6
2 11	7 24.94	+39 8.1	2.307	3.145	11.1	20.8
2 21	7 17.87	+38 34.2	2.382	3.131	13.6	20.9

222353 2000 WX_{128} 1 16.9 213°.82 5°.1/19.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 17.33	+ 5 28.8	2.388	3.147	13.1	20.3
12 23	8 12.00	+ 4 54.5	2.294	3.141	10.7	20.2
1 2	8 4.77	+ 4 32.6	2.223	3.134	8.0	20.0
1 12	7 56.21	+ 4 24.1	2.179	3.127	5.7	19.8
1 22	7 47.09	+ 4 29.0	2.164	3.120	5.2	19.8
2 1	7 38.30	+ 4 46.0	2.179	3.112	7.0	19.9
2 11	7 30.69	+ 5 12.3	2.222	3.103	9.7	20.0
2 21	7 24.91	+ 5 44.6	2.289	3.094	12.4	20.2

165546 2001 DL_{36} 1 16.9 51°.79 3°.1/16.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 26.40	+28 24.3	1.330	2.161	17.9	19.1
12 23	8 19.90	+28 23.6	1.280	2.181	13.5	18.9
1 2	8 9.97	+28 20.2	1.250	2.202	8.6	18.7
1 12	7 57.93	+28 8.3	1.246	2.223	3.9	18.5
1 22	7 45.48	+27 44.5	1.268	2.244	4.4	18.6
2 1	7 34.44	+27 8.7	1.318	2.265	9.0	18.9
2 11	7 26.21	+26 23.8	1.392	2.287	13.4	19.2
2 21	7 21.46	+25 33.9	1.488	2.309	17.1	19.5

378897 2008 UZ_{36} 1 16.9 72°.37 4°.9/14.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.20	+33 24.5	2.091	2.906	12.9	21.0
12 23	8 14.64	+34 18.8	2.026	2.915	9.9	20.8
1 2	8 6.57	+35 9.1	1.986	2.925	7.0	20.6
1 12	7 56.82	+35 49.1	1.974	2.934	5.0	20.5
1 22	7 46.51	+36 13.8	1.990	2.944	5.7	20.6
2 1	7 36.89	+36 21.0	2.035	2.954	8.3	20.8
2 11	7 29.07	+36 11.5	2.105	2.963	11.2	21.0
2 21	7 23.77	+35 48.2	2.198	2.973	13.8	21.2

144265 2004 CH_{95} 1 16.9 87°.57 7°.3/14.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 28.94	+39 26.9	1.758	2.564	15.3	19.0
12 23	8 21.63	+40 8.1	1.700	2.577	12.2	18.8
1 2	8 11.02	+40 38.1	1.665	2.590	9.2	18.7
1 12	7 58.30	+40 48.5	1.656	2.603	7.4	18.6
1 22	7 45.07	+40 34.5	1.675	2.615	7.9	18.7
2 1	7 33.07	+39 55.8	1.721	2.628	10.4	18.8
2 11	7 23.72	+38 57.0	1.792	2.640	13.3	19.0
2 21	7 17.75	+37 44.8	1.884	2.653	16.0	19.3

101494 1998 XD_{3} 1 16.9 79°.01 2°.1/16.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 21.54	+23 29.4	1.695	2.515	15.2	19.6
12 23	8 15.77	+24 19.7	1.639	2.537	11.3	19.4
1 2	8 7.30	+25 14.2	1.607	2.558	7.0	19.2
1 12	7 57.06	+26 6.8	1.602	2.580	2.8	19.0
1 22	7 46.31	+26 51.6	1.626	2.602	3.5	19.1
2 1	7 36.42	+27 24.6	1.678	2.623	7.6	19.4
2 11	7 28.57	+27 44.8	1.757	2.644	11.5	19.6
2 21	7 23.47	+27 53.1	1.858	2.664	14.8	19.9

425491 2010 GL_{25} 1 16.9 227°.15 1°.8/15.7 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.08	+25 12.0	2.842	3.647	10.1	21.1
12 23	8 11.00	+25 58.1	2.748	3.638	7.6	20.9
1 2	8 4.14	+26 46.7	2.680	3.628	4.8	20.7
1 12	7 56.01	+27 34.0	2.642	3.618	2.2	20.6
1 22	7 47.33	+28 16.5	2.635	3.608	2.8	20.6
2 1	7 38.91	+28 51.2	2.660	3.597	5.6	20.8
2 11	7 31.55	+29 16.6	2.713	3.586	8.4	20.9
2 21	7 25.88	+29 32.7	2.791	3.575	10.9	21.1

76051 2000 DE_{59} 1 16.9 56°.65 0°.7/17.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.09	+17 36.8	1.917	2.728	14.0	19.4
12 23	8 12.12	+17 50.1	1.852	2.743	10.6	19.2
1 2	8 4.92	+18 11.3	1.810	2.759	6.6	19.0
1 12	7 56.26	+18 37.4	1.795	2.774	2.4	18.8
1 22	7 47.15	+19 5.2	1.809	2.790	2.2	18.8
2 1	7 38.67	+19 31.5	1.852	2.805	6.3	19.1
2 11	7 31.82	+19 54.0	1.923	2.821	10.1	19.3
2 21	7 27.23	+20 11.5	2.017	2.837	13.3	19.6

13390 Bouška 1 16.9 56°.65 4°.7/19.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.03	+ 6 4.0	1.548	2.340	17.7	16.6
12 23	8 12.45	+ 6 28.4	1.487	2.358	14.0	16.4
1 2	8 5.30	+ 7 15.0	1.446	2.376	9.9	16.2
1 12	7 56.42	+ 8 21.9	1.431	2.395	6.0	16.0
1 22	7 46.98	+ 9 43.9	1.442	2.413	4.9	16.0
2 1	7 38.26	+11 14.0	1.482	2.432	7.8	16.2
2 11	7 31.42	+12 44.6	1.548	2.452	11.7	16.5
2 21	7 27.18	+14 9.6	1.637	2.471	15.2	16.8

163478 2002 RQ_{223} 1 16.9 120°.09 2°.0/18.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.20	+12 34.9	2.303	3.094	12.6	20.1
12 23	8 10.46	+12 52.7	2.222	3.099	9.7	19.9
1 2	8 3.82	+13 21.2	2.165	3.104	6.4	19.7
1 12	7 55.90	+13 58.7	2.136	3.109	3.1	19.5
1 22	7 47.49	+14 42.1	2.136	3.114	2.5	19.5
2 1	7 39.49	+15 28.2	2.167	3.118	5.7	19.7
2 11	7 32.73	+16 13.6	2.227	3.123	9.0	19.9
2 21	7 27.85	+16 55.8	2.311	3.127	11.9	20.1

391041 2005 TV_{89} 1 16.9 194°.59 1°.3/17.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 22.10	+15 52.4	1.779	2.582	15.3	22.4
12 23	8 16.28	+16 9.0	1.694	2.580	11.7	22.1
1 2	8 7.76	+16 36.3	1.631	2.577	7.5	21.9
1 12	7 57.30	+17 11.6	1.596	2.574	3.0	21.6
1 22	7 46.02	+17 50.7	1.590	2.570	2.6	21.5
2 1	7 35.25	+18 29.4	1.613	2.565	7.2	21.8
2 11	7 26.26	+19 4.5	1.664	2.560	11.5	22.1
2 21	7 19.92	+19 34.0	1.738	2.553	15.3	22.3

444385 2005 YT_{134} 1 16.9 19°.90 3°.7/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 22.32	+28 21.1	1.103	1.952	19.6	20.1
12 23	8 17.69	+28 29.1	1.046	1.957	14.9	19.9
1 2	8 9.07	+28 35.4	1.009	1.964	9.5	19.6
1 12	7 57.76	+28 32.6	0.994	1.972	4.5	19.4
1 22	7 45.67	+28 15.7	1.005	1.980	5.2	19.4
2 1	7 34.94	+27 43.4	1.039	1.990	10.3	19.7
2 11	7 27.29	+26 58.9	1.096	2.001	15.3	20.1
2 21	7 23.56	+26 6.7	1.173	2.013	19.6	20.4

245690 2006 BT_{133} 1 16.9 192°.00 1°.1/17.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.67	+16 5.1	2.001	2.800	14.0	21.7
12 23	8 14.93	+16 22.7	1.914	2.798	10.7	21.5
1 2	8 6.78	+16 49.9	1.851	2.796	6.8	21.3
1 12	7 56.95	+17 23.9	1.816	2.794	2.7	21.0
1 22	7 46.41	+18 1.0	1.810	2.790	2.3	21.0
2 1	7 36.32	+18 37.6	1.835	2.786	6.5	21.2
2 11	7 27.80	+19 10.8	1.888	2.781	10.5	21.5
2 21	7 21.61	+19 38.9	1.964	2.776	13.9	21.7

8598 Tetrix 1 16.9 353°.54 0°.0/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.13	+19 55.5	1.897	2.717	13.8	18.0
12 23	8 10.88	+20 7.1	1.816	2.713	10.4	17.7
1 2	8 4.30	+20 25.0	1.759	2.710	6.5	17.5
1 12	7 56.11	+20 46.3	1.728	2.708	2.2	17.2
1 22	7 47.29	+21 7.5	1.726	2.706	2.3	17.2
2 1	7 38.98	+21 25.8	1.752	2.705	6.6	17.5
2 11	7 32.25	+21 39.1	1.805	2.704	10.5	17.7
2 21	7 27.83	+21 46.9	1.881	2.704	13.9	17.9

204213 2004 CH_{54} 1 16.9 11°.41 0°.1/16.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.57	+19 32.4	2.123	2.936	12.8	20.4
12 23	8 10.96	+19 53.7	2.043	2.936	9.6	20.2
1 2	8 4.24	+20 21.4	1.987	2.937	6.0	20.0
1 12	7 56.07	+20 52.3	1.959	2.939	2.0	19.7
1 22	7 47.34	+21 23.1	1.960	2.940	2.1	19.7
2 1	7 39.08	+21 50.5	1.990	2.941	6.1	20.0
2 11	7 32.24	+22 12.7	2.048	2.943	9.7	20.2
2 21	7 27.49	+22 28.7	2.130	2.945	12.8	20.4

158362 2001 XW_{140} 1 16.9 130°.85 1°.2/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 22.54	+21 9.9	1.726	2.540	15.2	20.8
12 23	8 16.61	+21 57.4	1.658	2.552	11.4	20.5
1 2	8 7.92	+22 52.0	1.613	2.564	7.0	20.3
1 12	7 57.33	+23 48.1	1.595	2.575	2.5	20.0
1 22	7 46.07	+24 39.5	1.607	2.585	3.0	20.1
2 1	7 35.52	+25 21.6	1.648	2.595	7.5	20.4
2 11	7 26.94	+25 52.1	1.716	2.605	11.6	20.7
2 21	7 21.12	+26 11.4	1.806	2.613	15.1	20.9

343058 2009 CQ_{21} 1 16.9 215°.71 0°.8/16.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.40	+23 9.8	2.498	3.305	11.3	21.0
12 23	8 12.04	+23 15.1	2.412	3.303	8.5	20.8
1 2	8 4.77	+23 22.3	2.351	3.300	5.3	20.6
1 12	7 56.23	+23 28.9	2.319	3.298	1.8	20.3
1 22	7 47.21	+23 32.5	2.317	3.296	2.1	20.4
2 1	7 38.63	+23 31.7	2.346	3.293	5.6	20.6
2 11	7 31.33	+23 25.7	2.403	3.291	8.8	20.8
2 21	7 25.92	+23 14.9	2.485	3.288	11.6	21.0

336519 2008 YM_{11} 1 16.9 52°.85 0°.8/17.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 20.31	+19 31.0	1.915	2.724	14.1	19.8
12 23	8 14.34	+19 13.1	1.859	2.750	10.6	19.6
1 2	8 6.17	+19 0.1	1.827	2.776	6.6	19.4
1 12	7 56.65	+18 50.0	1.823	2.802	2.4	19.2
1 22	7 46.85	+18 41.1	1.848	2.828	2.2	19.2
2 1	7 37.88	+18 32.0	1.903	2.854	6.2	19.6
2 11	7 30.67	+18 22.2	1.984	2.881	9.9	19.8
2 21	7 25.79	+18 11.3	2.090	2.907	13.0	20.1

75154 1999 VU_{108} 1 16.9 333°.21 2°.4/17.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.75	+15 26.2	1.402	2.228	17.4	19.7
12 23	8 12.87	+15 13.8	1.321	2.218	13.5	19.4
1 2	8 5.94	+15 13.4	1.260	2.209	8.9	19.1
1 12	7 56.79	+15 23.4	1.223	2.200	4.0	18.8
1 22	7 46.67	+15 41.2	1.212	2.191	3.4	18.8
2 1	7 37.13	+16 3.1	1.228	2.184	8.3	19.0
2 11	7 29.65	+16 25.7	1.268	2.177	13.2	19.3
2 21	7 25.20	+16 46.2	1.328	2.171	17.5	19.5

56711 2000 MO_2 1 16.9 122°.01 1°.3/16.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 19.58	+21 18.4	2.181	2.987	12.7	18.8
12 23	8 13.91	+22 17.5	2.111	3.002	9.5	18.6
1 2	8 6.04	+23 22.4	2.067	3.017	5.8	18.4
1 12	7 56.70	+24 28.2	2.052	3.031	2.1	18.2
1 22	7 46.81	+25 29.5	2.067	3.044	2.7	18.3
2 1	7 37.44	+26 22.2	2.113	3.057	6.4	18.5
2 11	7 29.58	+27 4.0	2.187	3.070	9.8	18.8
2 21	7 23.89	+27 34.6	2.286	3.082	12.7	19.0

330140 2005 YV_{188} 1 16.9 60°.26 0°.5/16.7 18

12 13	8 17.59	+20 4.6	1.847	2.664	14.2	20.9
12 23	8 12.73	+20 39.0	1.777	2.673	10.7	20.7
1 2	8 5.44	+21 20.7	1.731	2.682	6.6	20.4
1 12	7 56.52	+22 5.2	1.712	2.692	2.2	20.2
1 22	7 47.02	+22 47.9	1.722	2.701	2.5	20.2
2 1	7 38.12	+23 24.8	1.760	2.711	6.8	20.5
2 11	7 30.93	+23 53.4	1.826	2.721	10.7	20.8
2 21	7 26.16	+24 13.3	1.914	2.730	14.0	21.0

486832 2014 JB_{39} 1 16.9 248°.63 0°.7/16.6 17

12 13	8 22.28	+20 17.9	1.732	2.545	15.2	23.1
12 23	8 16.82	+20 52.4	1.633	2.527	11.6	22.8
1 2	8 8.38	+21 35.9	1.558	2.508	7.3	22.5
1 12	7 57.64	+22 23.9	1.509	2.489	2.5	22.1
1 22	7 45.76	+23 10.4	1.490	2.469	2.9	22.1
2 1	7 34.20	+23 50.5	1.499	2.448	7.9	22.4
2 11	7 24.43	+24 21.0	1.535	2.427	12.6	22.6
2 21	7 17.51	+24 41.3	1.593	2.405	16.6	22.8

84448 2002 TX_{240} 1 16.9 44°.00 1°.4/16.1 18

12 13	8 15.98	+21 37.2	2.106	2.921	12.8	19.1
12 23	8 11.37	+22 33.3	2.030	2.926	9.6	18.9
1 2	8 4.56	+23 35.7	1.979	2.931	5.9	18.7
1 12	7 56.24	+24 39.5	1.957	2.936	2.2	18.4
1 22	7 47.31	+25 39.6	1.964	2.941	2.8	18.5
2 1	7 38.84	+26 31.6	2.000	2.946	6.5	18.7
2 11	7 31.82	+27 12.8	2.065	2.952	10.0	19.0
2 21	7 26.96	+27 42.8	2.153	2.957	13.1	19.2

383359 2006 SZ_{10} 1 16.9 125°.41 1°.9/15.9 18

12 13	8 17.42	+26 22.1	2.732	3.538	10.4	21.4
12 23	8 11.90	+26 48.5	2.659	3.549	7.8	21.2
1 2	8 4.62	+27 15.3	2.612	3.560	4.9	21.1
1 12	7 56.20	+27 39.0	2.594	3.570	2.3	20.9
1 22	7 47.40	+27 57.0	2.607	3.580	2.7	20.9
2 1	7 39.05	+28 7.2	2.651	3.590	5.5	21.1
2 11	7 31.94	+28 9.4	2.723	3.600	8.3	21.3
2 21	7 26.60	+28 4.1	2.820	3.609	10.7	21.5

461572 2004 NT_{29} 1 16.9 216°.40 2°.6/18.4 18

12 13	8 16.86	+10 31.4	2.325	3.106	12.8	21.5
12 23	8 11.81	+10 52.1	2.229	3.099	10.0	21.3
1 2	8 4.77	+11 25.4	2.157	3.091	6.8	21.1
1 12	7 56.31	+12 10.0	2.113	3.083	3.6	20.9
1 22	7 47.22	+13 2.9	2.099	3.075	3.0	20.9
2 1	7 38.43	+14 0.3	2.116	3.066	5.9	21.0
2 11	7 30.83	+14 58.4	2.162	3.056	9.3	21.2
2 21	7 25.13	+15 53.9	2.233	3.046	12.4	21.4

17384 1981 EM_{12} 1 16.9 201°.39 4°.5/14.8 18

12 13	8 21.30	+36 5.1	2.634	3.434	10.9	20.1
12 23	8 15.07	+36 33.2	2.554	3.432	8.6	19.9
1 2	8 6.70	+36 55.3	2.499	3.430	6.2	19.7
1 12	7 56.92	+37 6.9	2.473	3.428	4.6	19.6
1 22	7 46.66	+37 4.7	2.477	3.426	5.1	19.7
2 1	7 36.95	+36 47.5	2.510	3.423	7.2	19.8
2 11	7 28.76	+36 16.6	2.570	3.420	9.7	20.0
2 21	7 22.72	+35 34.8	2.655	3.417	12.0	20.1

482817 2013 WX_{96} 1 16.9 149°.57 4°.1/14.6 18

12 13	8 19.03	+32 16.8	2.489	3.298	11.2	21.7
12 23	8 13.48	+33 12.3	2.416	3.302	8.6	21.5
1 2	8 5.79	+34 5.4	2.368	3.307	6.0	21.3
1 12	7 56.64	+34 50.8	2.349	3.311	4.2	21.2
1 22	7 46.93	+35 24.1	2.360	3.315	4.9	21.3
2 1	7 37.70	+35 42.6	2.400	3.318	7.2	21.4
2 11	7 29.91	+35 46.5	2.467	3.322	9.9	21.6
2 21	7 24.24	+35 37.5	2.558	3.325	12.3	21.8

95978 2004 LT_{22} 1 16.9 125°.66 0°.8/17.4 18

12 13	8 18.36	+16 9.3	2.469	3.260	11.8	20.5
12 23	8 12.66	+16 39.4	2.397	3.278	9.0	20.4
1 2	8 5.12	+17 17.1	2.351	3.295	5.6	20.2
1 12	7 56.38	+17 59.6	2.334	3.312	2.1	20.0
1 22	7 47.24	+18 43.7	2.347	3.327	1.9	20.0
2 1	7 38.56	+19 26.0	2.393	3.343	5.3	20.3
2 11	7 31.17	+20 4.3	2.467	3.357	8.5	20.5
2 21	7 25.62	+20 37.0	2.567	3.371	11.2	20.7

223639 2004 KM_{16} 1 16.9 209°.82 5°.1/19.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 16.86	+ 4 21.9	2.326	3.083	13.5	22.1
12 23	8 11.75	+ 4 7.1	2.232	3.077	11.0	21.9
1 2	8 4.70	+ 4 7.0	2.160	3.071	8.3	21.7
1 12	7 56.29	+ 4 22.3	2.116	3.064	5.8	21.5
1 22	7 47.29	+ 4 52.2	2.100	3.057	5.2	21.5
2 1	7 38.61	+ 5 34.1	2.114	3.049	7.0	21.6
2 11	7 31.12	+ 6 24.3	2.156	3.041	9.8	21.7
2 21	7 25.48	+ 7 18.8	2.223	3.032	12.5	21.9

409962 2006 UR_{330} 1 16.9 34°.88 1°.3/17.6 18

12 13	8 16.44	+14 24.9	1.379	2.204	17.7	20.7
12 23	8 12.43	+15 5.9	1.319	2.217	13.5	20.5
1 2	8 5.51	+16 3.2	1.281	2.231	8.6	20.3
1 12	7 56.61	+17 12.0	1.267	2.245	3.3	20.0
1 22	7 47.02	+18 25.4	1.280	2.261	2.8	20.0
2 1	7 38.24	+19 36.3	1.320	2.277	7.8	20.3
2 11	7 31.58	+20 39.1	1.385	2.293	12.5	20.7
2 21	7 27.85	+21 30.9	1.472	2.310	16.4	20.9

100293 1995 DY_7 1 16.9 146°.04 5°.8/20.6 18

12 13	8 16.98	+ 0 24.3	2.337	3.074	14.0	20.6
12 23	8 11.72	+ 0 24.5	2.256	3.084	11.6	20.4
1 2	8 4.60	+ 0 42.8	2.198	3.094	8.9	20.3
1 12	7 56.23	+ 1 19.6	2.166	3.103	6.6	20.1
1 22	7 47.40	+ 2 13.3	2.163	3.111	5.8	20.1
2 1	7 38.97	+ 3 20.3	2.189	3.119	7.2	20.2
2 11	7 31.77	+ 4 35.8	2.244	3.126	9.6	20.4
2 21	7 26.41	+ 5 54.5	2.325	3.132	12.1	20.5

240327 2003 MX_4 1 16.9 174°.65 1°.4/17.5 18

12 13	8 21.53	+16 4.6	2.046	2.842	13.8	21.2
12 23	8 15.47	+16 7.5	1.963	2.845	10.6	21.0
1 2	8 7.09	+16 18.6	1.904	2.847	6.8	20.8
1 12	7 57.11	+16 35.9	1.872	2.849	2.8	20.5
1 22	7 46.51	+16 56.4	1.871	2.850	2.4	20.5
2 1	7 36.44	+17 17.6	1.900	2.851	6.4	20.8
2 11	7 27.93	+17 37.2	1.957	2.850	10.2	21.0
2 21	7 21.72	+17 53.9	2.039	2.849	13.5	21.2

499397 2010 BV_{29} 1 16.9 284°.81 5°.0/13.8 17

12 13	8 18.49	+33 18.8	2.277	3.091	12.0	20.8
12 23	8 13.54	+34 30.1	2.187	3.075	9.4	20.6
1 2	8 6.11	+35 40.3	2.122	3.059	6.7	20.4
1 12	7 56.85	+36 42.5	2.085	3.042	5.1	20.2
1 22	7 46.72	+37 30.7	2.077	3.026	5.9	20.3
2 1	7 36.90	+38 1.0	2.097	3.009	8.5	20.4
2 11	7 28.60	+38 12.9	2.144	2.993	11.4	20.5
2 21	7 22.66	+38 8.2	2.212	2.977	14.0	20.7

168524 1999 TO_{253} 1 16.9 203°.35 0°.4/16.8 18

12 13	8 21.73	+20 53.0	2.060	2.865	13.4	21.4
12 23	8 15.75	+21 9.6	1.971	2.860	10.2	21.2
1 2	8 7.34	+21 31.4	1.907	2.855	6.3	21.0
1 12	7 57.22	+21 54.8	1.870	2.850	2.1	20.7
1 22	7 46.39	+22 16.3	1.864	2.843	2.3	20.7
2 1	7 36.02	+22 33.0	1.888	2.836	6.6	20.9
2 11	7 27.25	+22 43.4	1.939	2.829	10.5	21.2
2 21	7 20.84	+22 47.4	2.015	2.820	13.8	21.4

173951 2001 WO_{96} 1 16.9 130°.63 0°.2/17.1 18

12 13	8 15.89	+18 54.4	2.695	3.493	10.8	21.3
12 23	8 10.74	+19 9.2	2.617	3.502	8.1	21.2
1 2	8 3.91	+19 28.7	2.564	3.511	5.0	21.0
1 12	7 55.99	+19 50.9	2.541	3.520	1.7	20.8
1 22	7 47.69	+20 13.3	2.548	3.528	1.7	20.8
2 1	7 39.79	+20 33.8	2.586	3.536	5.0	21.0
2 11	7 33.02	+20 50.9	2.653	3.544	8.0	21.2
2 21	7 27.93	+21 3.8	2.746	3.551	10.5	21.4

6456 Golombek 1 16.9 166°.80 1°.2/16.5 18

12 13	8 26.72	+23 40.2	2.262	3.056	12.7	20.8
12 23	8 19.18	+23 59.5	2.181	3.065	9.6	20.7
1 2	8 9.30	+24 20.7	2.126	3.072	6.0	20.4
1 12	7 57.84	+24 40.0	2.100	3.079	2.2	20.2
1 22	7 45.83	+24 53.7	2.106	3.083	2.6	20.2
2 1	7 34.42	+24 59.8	2.144	3.087	6.3	20.5
2 11	7 24.66	+24 57.9	2.211	3.089	9.9	20.7
2 21	7 17.26	+24 49.1	2.303	3.090	12.9	20.9

175207 2005 GR_{13} 1 16.9 241°.52 2°.8/18.6 18

12 13	8 14.44	+10 8.5	2.423	3.206	12.3	20.6
12 23	8 9.91	+10 22.5	2.330	3.200	9.7	20.4
1 2	8 3.56	+10 48.4	2.261	3.194	6.6	20.2
1 12	7 55.93	+11 25.2	2.220	3.188	3.7	20.0
1 22	7 47.75	+12 10.4	2.208	3.182	3.0	19.9
2 1	7 39.87	+13 0.8	2.226	3.176	5.7	20.1
2 11	7 33.11	+13 52.9	2.274	3.169	8.8	20.3
2 21	7 28.11	+14 43.6	2.346	3.163	11.7	20.5

168035 2005 JV_{151} 1 16.9 282°.48 4°.8/19.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 14.26	+ 5 12.8	2.249	3.017	13.6	20.0
12 23	8 9.86	+ 5 2.3	2.161	3.014	11.0	19.9
1 2	8 3.55	+ 5 6.6	2.095	3.011	8.2	19.7
1 12	7 55.93	+ 5 26.2	2.055	3.008	5.6	19.5
1 22	7 47.76	+ 5 59.9	2.044	3.005	4.9	19.5
2 1	7 39.94	+ 6 44.9	2.062	3.001	6.8	19.6
2 11	7 33.32	+ 7 37.3	2.107	2.998	9.7	19.7
2 21	7 28.55	+ 8 32.8	2.177	2.995	12.5	19.9

488116 2015 VL_{100} 1 16.9 226°.61 3°.0/15.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 21.77	+24 31.1	1.601	2.425	15.7	21.5
12 23	8 16.60	+25 36.5	1.520	2.420	11.9	21.3
1 2	8 8.30	+26 48.8	1.463	2.415	7.6	21.0
1 12	7 57.65	+28 0.3	1.432	2.409	3.5	20.7
1 22	7 45.95	+29 2.8	1.430	2.403	4.5	20.8
2 1	7 34.81	+29 50.4	1.455	2.397	8.9	21.0
2 11	7 25.74	+30 20.6	1.506	2.390	13.3	21.3
2 21	7 19.76	+30 34.6	1.579	2.383	17.0	21.5

64166 2001 TA_{50} 1 16.9 301°.19 1°.3/17.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.94	+17 21.6	1.660	2.478	15.5	19.0
12 23	8 13.58	+17 19.0	1.559	2.454	12.0	18.7
1 2	8 6.38	+17 25.3	1.481	2.430	7.8	18.4
1 12	7 57.02	+17 38.7	1.428	2.406	3.1	18.1
1 22	7 46.57	+17 56.1	1.403	2.383	2.7	18.0
2 1	7 36.45	+18 14.2	1.405	2.360	7.7	18.3
2 11	7 28.05	+18 30.5	1.433	2.337	12.5	18.5
2 21	7 22.39	+18 43.2	1.484	2.314	16.7	18.7

494189 2016 GL_{249} 1 16.9 244°.60 0°.5/16.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.24	+21 1.9	2.189	2.999	12.5	21.3
12 23	8 12.24	+21 21.5	2.103	2.996	9.5	21.1
1 2	8 5.10	+21 46.1	2.042	2.992	5.9	20.9
1 12	7 56.47	+22 12.4	2.009	2.988	2.0	20.6
1 22	7 47.24	+22 37.1	2.005	2.985	2.2	20.6
2 1	7 38.44	+22 57.5	2.031	2.981	6.1	20.9
2 11	7 31.06	+23 11.8	2.085	2.977	9.7	21.1
2 21	7 25.78	+23 19.7	2.164	2.973	12.8	21.3

303402 2004 XG_{119} 1 16.9 20°.54 1°.5/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.21	+21 22.8	1.283	2.123	17.9	20.6
12 23	8 14.19	+22 3.5	1.220	2.127	13.5	20.4
1 2	8 6.84	+22 53.6	1.177	2.132	8.4	20.1
1 12	7 57.14	+23 46.4	1.158	2.138	3.0	19.8
1 22	7 46.58	+24 34.7	1.165	2.145	3.6	19.8
2 1	7 36.88	+25 12.6	1.199	2.152	8.9	20.2
2 11	7 29.60	+25 37.6	1.256	2.159	13.8	20.5
2 21	7 25.65	+25 49.7	1.333	2.168	17.9	20.7

426506 2013 RT_{37} 1 16.9 79°.24 4°.7/19.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.80	+ 5 55.6	2.061	2.834	14.5	21.0
12 23	8 11.04	+ 5 50.5	1.989	2.847	11.6	20.9
1 2	8 4.27	+ 6 1.3	1.940	2.860	8.4	20.7
1 12	7 56.17	+ 6 27.7	1.916	2.873	5.6	20.6
1 22	7 47.61	+ 7 7.7	1.921	2.885	4.8	20.5
2 1	7 39.54	+ 7 57.8	1.955	2.898	6.9	20.7
2 11	7 32.88	+ 8 53.6	2.016	2.910	9.9	20.9
2 21	7 28.22	+ 9 50.7	2.102	2.923	12.8	21.1

192756 1999 TQ_{268} 1 16.9 183°.96 0°.5/17.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.94	+18 57.9	2.547	3.342	11.4	21.0
12 23	8 13.15	+19 0.0	2.459	3.343	8.6	20.8
1 2	8 5.50	+19 6.7	2.396	3.342	5.4	20.6
1 12	7 56.58	+19 16.0	2.363	3.342	1.9	20.3
1 22	7 47.18	+19 25.6	2.360	3.340	1.8	20.3
2 1	7 38.19	+19 33.9	2.389	3.339	5.3	20.5
2 11	7 30.44	+19 39.6	2.447	3.336	8.6	20.7
2 21	7 24.53	+19 42.2	2.530	3.334	11.4	20.9

277526 2005 XU_{47} 1 16.9 6°.28 1°.0/16.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.69	+22 27.7	1.814	2.633	14.3	21.1
12 23	8 13.71	+22 43.4	1.736	2.633	10.8	20.9
1 2	8 6.17	+23 3.5	1.682	2.634	6.7	20.6
1 12	7 56.86	+23 24.1	1.655	2.634	2.3	20.4
1 22	7 46.89	+23 41.2	1.656	2.635	2.7	20.4
2 1	7 37.53	+23 52.0	1.685	2.636	7.1	20.7
2 11	7 29.95	+23 55.5	1.742	2.637	11.1	20.9
2 21	7 24.91	+23 51.8	1.821	2.638	14.6	21.1

161667 2006 DD_{71} 1 16.9 139°.57 1°.1/16.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 23.43	+22 19.5	1.960	2.767	13.9	21.2
12 23	8 16.98	+22 46.1	1.889	2.780	10.5	21.0
1 2	8 8.05	+23 16.7	1.843	2.792	6.5	20.8
1 12	7 57.46	+23 47.1	1.824	2.804	2.3	20.5
1 22	7 46.32	+24 13.0	1.836	2.815	2.7	20.6
2 1	7 35.86	+24 31.5	1.878	2.825	6.8	20.8
2 11	7 27.20	+24 41.5	1.948	2.834	10.6	21.1
2 21	7 21.04	+24 43.7	2.041	2.843	13.8	21.3

179288 2001 VL_{26} 1 16.9 148°.89 2°.3/15.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 21.51	+27 7.2	2.706	3.504	10.7	21.4
12 23	8 15.02	+27 47.0	2.632	3.518	8.1	21.2
1 2	8 6.61	+28 26.9	2.585	3.530	5.1	21.0
1 12	7 56.95	+29 2.8	2.568	3.542	2.6	20.9
1 22	7 46.85	+29 31.1	2.583	3.553	3.1	20.9
2 1	7 37.22	+29 49.6	2.629	3.563	5.9	21.1
2 11	7 28.93	+29 58.0	2.704	3.572	8.6	21.3
2 21	7 22.55	+29 57.2	2.804	3.581	11.1	21.5

167300 2003 UV_{216} 1 16.9 96°.11 2°.6/16.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 22.81	+26 10.1	1.627	2.450	15.6	20.6
12 23	8 17.07	+26 36.1	1.558	2.456	11.8	20.3
1 2	8 8.35	+27 3.6	1.511	2.462	7.4	20.1
1 12	7 57.61	+27 26.7	1.492	2.469	3.3	19.9
1 22	7 46.18	+27 40.5	1.500	2.475	3.9	19.9
2 1	7 35.58	+27 42.2	1.536	2.481	8.2	20.2
2 11	7 27.16	+27 32.1	1.598	2.487	12.3	20.4
2 21	7 21.73	+27 12.3	1.682	2.493	15.9	20.7

462922 2011 BL_{6} 1 16.9 47°.43 1°.3/16.6 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 21.90	+24 5.3	1.533	2.359	16.2	20.9
12 23	8 16.21	+24 8.3	1.479	2.379	12.1	20.7
1 2	8 7.66	+24 13.4	1.447	2.400	7.5	20.4
1 12	7 57.32	+24 16.6	1.441	2.420	2.7	20.2
1 22	7 46.55	+24 14.3	1.463	2.442	3.0	20.3
2 1	7 36.82	+24 4.9	1.512	2.463	7.7	20.6
2 11	7 29.33	+23 48.7	1.587	2.485	11.8	20.9
2 21	7 24.76	+23 27.1	1.685	2.507	15.4	21.2

238017 2002 UC_{18} 1 16.9 32°.34 3°.1/18.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.93	+11 30.8	1.814	2.617	15.0	20.0
12 23	8 10.65	+11 29.3	1.747	2.629	11.7	19.8
1 2	8 4.14	+11 41.1	1.702	2.641	7.9	19.6
1 12	7 56.15	+12 4.9	1.682	2.653	4.2	19.4
1 22	7 47.66	+12 37.9	1.691	2.667	3.5	19.4
2 1	7 39.77	+13 16.5	1.728	2.680	6.7	19.6
2 11	7 33.46	+13 56.9	1.791	2.694	10.4	19.9
2 21	7 29.40	+14 35.6	1.878	2.709	13.7	20.1

433149 2012 TU_{240} 1 16.9 289°.31 5°.6/13.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.44	+36 42.1	2.379	3.186	11.7	20.9
12 23	8 14.08	+37 42.0	2.303	3.184	9.3	20.7
1 2	8 6.33	+38 36.8	2.252	3.181	6.9	20.6
1 12	7 56.92	+39 20.2	2.230	3.178	5.6	20.5
1 22	7 46.85	+39 47.4	2.235	3.175	6.3	20.5
2 1	7 37.29	+39 56.0	2.269	3.172	8.4	20.7
2 11	7 29.33	+39 46.6	2.329	3.169	10.9	20.8
2 21	7 23.72	+39 22.2	2.411	3.167	13.3	21.0

424171 2007 HC_{55} 1 16.9 264°.04 6°.2/19.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.30	+ 2 12.0	2.150	2.905	14.5	21.1
12 23	8 10.82	+ 1 53.2	2.052	2.892	12.0	20.9
1 2	8 4.27	+ 1 51.7	1.975	2.879	9.3	20.7
1 12	7 56.24	+ 2 9.0	1.925	2.866	6.9	20.5
1 22	7 47.51	+ 2 44.5	1.901	2.852	6.2	20.5
2 1	7 39.06	+ 3 35.8	1.907	2.839	7.8	20.5
2 11	7 31.84	+ 4 38.2	1.939	2.825	10.6	20.7
2 21	7 26.58	+ 5 46.7	1.995	2.811	13.5	20.8

315501 2008 AM_{20} 1 16.9 28°.54 0°.7/16.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.66	+20 43.9	1.516	2.343	16.3	21.4
12 23	8 14.08	+21 11.7	1.446	2.348	12.3	21.2
1 2	8 6.57	+21 47.4	1.399	2.352	7.6	20.9
1 12	7 57.04	+22 26.2	1.377	2.357	2.6	20.6
1 22	7 46.76	+23 2.5	1.383	2.363	2.9	20.7
2 1	7 37.21	+23 31.9	1.416	2.368	7.9	21.0
2 11	7 29.74	+23 52.2	1.474	2.374	12.4	21.3
2 21	7 25.18	+24 3.1	1.554	2.381	16.2	21.5

503560 2016 FV_{51} 1 16.9 293°.85 0°.8/16.7 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.01	+21 47.6	1.898	2.715	13.9	22.0
12 23	8 13.25	+22 4.8	1.806	2.702	10.5	21.7
1 2	8 5.96	+22 27.2	1.738	2.690	6.6	21.4
1 12	7 56.84	+22 51.2	1.697	2.677	2.3	21.1
1 22	7 46.92	+23 12.8	1.685	2.664	2.6	21.1
2 1	7 37.43	+23 28.9	1.701	2.652	7.0	21.4
2 11	7 29.56	+23 37.9	1.744	2.639	11.1	21.6
2 21	7 24.15	+23 39.6	1.811	2.627	14.7	21.8

309749 2008 UF_{356} 1 16.9 151°.01 1°.0/17.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 23.87	+17 32.7	1.980	2.776	14.2	21.8
12 23	8 17.23	+17 36.4	1.904	2.788	10.8	21.6
1 2	8 8.18	+17 47.2	1.853	2.798	6.8	21.4
1 12	7 57.52	+18 2.5	1.830	2.808	2.6	21.1
1 22	7 46.31	+18 19.3	1.837	2.816	2.3	21.1
2 1	7 35.74	+18 35.1	1.874	2.824	6.5	21.4
2 11	7 26.89	+18 48.0	1.940	2.831	10.4	21.7
2 21	7 20.47	+18 57.3	2.029	2.837	13.6	21.9

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
208250 2000 UD_{114}			1 16.9	75°.17	3°.8/15.8	18
	h m	° ′			°	m
12 13	8 24.87	+28 22.5	1.484	2.311	16.6	20.2
12 23	8 18.75	+28 58.6	1.429	2.328	12.6	20.0
1 2	8 9.40	+29 33.9	1.395	2.345	8.1	19.7
1 12	7 57.95	+30 1.1	1.388	2.362	4.3	19.6
1 22	7 45.92	+30 14.6	1.408	2.379	5.0	19.6
2 1	7 35.00	+30 12.0	1.455	2.396	9.0	19.9
2 11	7 26.59	+29 54.7	1.527	2.413	13.0	20.2
2 21	7 21.44	+29 26.3	1.621	2.429	16.5	20.5
14357 1987 UR			1 16.9	41°.26	3°.7/15.6	18
12 13	8 20.46	+28 42.1	1.622	2.451	15.3	17.2
12 23	8 15.12	+29 23.8	1.575	2.476	11.5	17.1
1 2	8 6.98	+30 4.2	1.551	2.501	7.4	16.9
1 12	7 57.10	+30 36.8	1.553	2.527	4.1	16.7
1 22	7 46.80	+30 56.5	1.583	2.553	4.8	16.8
2 1	7 37.50	+31 1.1	1.640	2.579	8.3	17.1
2 11	7 30.40	+30 51.5	1.723	2.606	11.9	17.4
2 21	7 26.13	+30 30.6	1.827	2.634	15.0	17.6
328526 2009 QR_{57}			1 16.9	113°.33	2°.8/15.8	18
12 13	8 20.52	+27 5.6	1.935	2.753	13.6	21.1
12 23	8 15.01	+27 41.3	1.862	2.757	10.3	20.9
1 2	8 6.94	+28 17.9	1.813	2.762	6.6	20.7
1 12	7 57.14	+28 49.9	1.791	2.766	3.3	20.5
1 22	7 46.71	+29 12.8	1.798	2.771	3.9	20.5
2 1	7 36.92	+29 23.6	1.835	2.775	7.5	20.8
2 11	7 28.93	+29 22.1	1.897	2.779	11.1	21.0
2 21	7 23.49	+29 10.1	1.983	2.783	14.2	21.2
64913 2001 YL_{95}			1 16.9	132°.05	1°.4/16.3	18
12 13	8 22.71	+22 5.5	1.748	2.562	15.0	19.9
12 23	8 16.77	+22 48.6	1.679	2.573	11.3	19.7
1 2	8 8.10	+23 37.6	1.633	2.584	7.0	19.4
1 12	7 57.54	+24 27.0	1.615	2.594	2.5	19.2
1 22	7 46.31	+25 11.1	1.626	2.604	3.1	19.2
2 1	7 35.79	+25 45.5	1.666	2.613	7.5	19.5
2 11	7 27.23	+26 8.7	1.733	2.622	11.6	19.8
2 21	7 21.42	+26 21.0	1.823	2.630	15.0	20.0
122957 2000 SW_{206}			1 16.9	51°.59	2°.0/16.2	18
12 13	8 19.40	+24 37.5	1.753	2.577	14.6	19.5
12 23	8 14.28	+25 7.8	1.686	2.585	11.0	19.3
1 2	8 6.53	+25 41.2	1.643	2.595	6.8	19.1
1 12	7 57.00	+26 12.3	1.626	2.604	2.8	18.8
1 22	7 46.88	+26 36.6	1.637	2.613	3.4	18.9
2 1	7 37.48	+26 51.0	1.677	2.623	7.5	19.2
2 11	7 29.98	+26 54.7	1.742	2.633	11.4	19.4
2 21	7 25.14	+26 48.8	1.831	2.643	14.7	19.6
372433 2009 SM_{48}			1 16.9	136°.60	1°.8/17.8	18
12 13	8 18.49	+14 31.7	2.292	3.083	12.7	22.4
12 23	8 12.92	+14 34.1	2.215	3.093	9.7	22.2
1 2	8 5.39	+14 44.8	2.162	3.103	6.3	22.0
1 12	7 56.58	+15 2.4	2.138	3.113	2.9	21.8
1 22	7 47.31	+15 24.3	2.144	3.122	2.4	21.8
2 1	7 38.53	+15 48.3	2.181	3.131	5.7	22.0
2 11	7 31.10	+16 11.9	2.246	3.139	9.0	22.2
2 21	7 25.63	+16 33.5	2.336	3.147	12.0	22.5
417250 2005 YZ_{205}			1 16.9	36°.91	2°.8/18.2	18
12 13	8 16.34	+12 34.6	1.632	2.442	16.1	20.9
12 23	8 11.96	+12 38.0	1.566	2.453	12.5	20.7
1 2	8 5.08	+12 55.3	1.521	2.464	8.3	20.4
1 12	7 56.52	+13 24.7	1.502	2.476	4.1	20.2
1 22	7 47.38	+14 2.7	1.511	2.488	3.4	20.2
2 1	7 38.91	+14 45.1	1.547	2.501	7.2	20.5
2 11	7 32.23	+15 27.6	1.609	2.514	11.2	20.7
2 21	7 28.07	+16 6.9	1.694	2.527	14.8	21.0
458924 2011 UD_{282}			1 16.9	27°.80	2°.0/16.4	16
12 13	8 19.80	+24 2.0	1.212	2.056	18.5	21.1
12 23	8 15.44	+24 22.2	1.156	2.066	13.9	20.9
1 2	8 7.59	+24 47.0	1.121	2.077	8.7	20.6
1 12	7 57.41	+25 10.0	1.110	2.089	3.3	20.4
1 22	7 46.51	+25 25.5	1.124	2.102	3.9	20.4
2 1	7 36.74	+25 30.1	1.163	2.116	9.1	20.8
2 11	7 29.61	+25 23.6	1.226	2.131	14.0	21.1
2 21	7 25.94	+25 7.7	1.309	2.146	18.0	21.4
365693 2010 VU_{110}			1 16.9	127°.65	1°.4/16.3	18
12 13	8 20.16	+22 20.3	1.962	2.775	13.7	21.5
12 23	8 14.63	+23 4.7	1.890	2.784	10.3	21.3
1 2	8 6.67	+23 54.5	1.842	2.793	6.4	21.0
1 12	7 57.05	+24 44.5	1.823	2.802	2.4	20.8
1 22	7 46.83	+25 29.7	1.833	2.810	2.9	20.9
2 1	7 37.18	+26 6.1	1.872	2.818	6.9	21.1
2 11	7 29.22	+26 32.0	1.939	2.826	10.6	21.4
2 21	7 23.68	+26 47.5	2.029	2.833	13.8	21.6

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
393672 2004 RV_{114}			1 16.9	77°.87	2°.8/15.9	17
	h m	° ′			°	m
12 13	8 26.03	+25 15.9	1.469	2.292	16.9	21.1
12 23	8 19.45	+26 4.5	1.423	2.321	12.7	20.9
1 2	8 9.75	+26 55.3	1.399	2.350	7.9	20.7
1 12	7 58.06	+27 41.0	1.401	2.378	3.5	20.6
1 22	7 45.93	+28 15.1	1.431	2.406	4.2	20.7
2 1	7 34.98	+28 34.4	1.490	2.433	8.5	21.0
2 11	7 26.54	+28 39.0	1.573	2.460	12.6	21.3
2 21	7 21.31	+28 31.8	1.679	2.487	16.0	21.6
151938 2004 FB_{63}			1 16.9	231°.35	3°.1/18.2	18
12 13	8 19.53	+11 49.0	1.447	2.257	17.8	20.6
12 23	8 14.89	+11 59.3	1.369	2.255	13.9	20.3
1 2	8 7.22	+12 27.0	1.311	2.253	9.3	20.1
1 12	7 57.34	+13 10.3	1.278	2.251	4.7	19.8
1 22	7 46.53	+14 4.7	1.271	2.249	3.8	19.7
2 1	7 36.30	+15 4.5	1.292	2.247	8.2	20.0
2 11	7 28.11	+16 3.9	1.339	2.244	13.0	20.2
2 21	7 22.91	+16 58.4	1.406	2.242	17.1	20.5
401982 2002 VO_{61}			1 16.9	39°.06	1°.2/17.3	16
12 13	8 21.23	+18 7.2	1.209	2.042	19.2	20.8
12 23	8 16.05	+17 59.9	1.167	2.070	14.4	20.6
1 2	8 7.68	+18 2.9	1.147	2.099	9.0	20.4
1 12	7 57.36	+18 12.6	1.150	2.129	3.3	20.2
1 22	7 46.69	+18 25.2	1.179	2.159	2.9	20.2
2 1	7 37.30	+18 37.1	1.234	2.190	8.2	20.6
2 11	7 30.49	+18 46.3	1.313	2.222	12.9	21.0
2 21	7 26.90	+18 51.6	1.413	2.254	16.8	21.3
246250 2007 TN_{4}			1 16.9	135°.50	3°.7/15.4	18
12 13	8 23.92	+28 32.4	1.853	2.668	14.3	21.3
12 23	8 17.69	+29 25.2	1.786	2.679	10.8	21.1
1 2	8 8.67	+30 18.1	1.743	2.689	7.1	20.9
1 12	7 57.76	+31 4.1	1.727	2.699	4.0	20.7
1 22	7 46.18	+31 37.6	1.740	2.708	4.8	20.8
2 1	7 35.34	+31 55.2	1.783	2.716	8.2	21.0
2 11	7 26.50	+31 57.1	1.851	2.724	11.8	21.2
2 21	7 20.46	+31 45.9	1.943	2.732	14.9	21.5
412978 1993 TB_{5}			1 16.9	128°.16	11°.0/24.4	18
12 13	8 19.24	−17 7.0	2.603	3.213	15.4	22.7
12 23	8 13.27	−18 15.5	2.539	3.233	14.0	22.6
1 2	8 5.54	−19 0.8	2.494	3.253	12.6	22.5
1 12	7 56.64	−19 18.9	2.470	3.271	11.5	22.4
1 22	7 47.33	−19 8.6	2.470	3.289	11.0	22.4
2 1	7 38.47	−18 30.9	2.494	3.306	11.2	22.5
2 11	7 30.82	−17 30.1	2.543	3.322	12.0	22.6
2 21	7 24.96	−16 12.5	2.613	3.337	13.1	22.7
215036 2009 CC_{39}			1 16.9	302°.57	3°.0/18.0	18
12 13	8 17.43	+13 17.5	1.496	2.312	17.1	20.7
12 23	8 13.38	+13 12.1	1.405	2.295	13.4	20.4
1 2	8 6.37	+13 20.9	1.334	2.279	9.0	20.1
1 12	7 57.10	+13 43.0	1.288	2.263	4.4	19.8
1 22	7 46.76	+14 15.4	1.269	2.247	3.7	19.7
2 1	7 36.82	+14 54.1	1.276	2.231	8.2	19.9
2 11	7 28.76	+15 34.6	1.309	2.216	13.1	20.2
2 21	7 23.60	+16 12.9	1.363	2.201	17.4	20.4
216613 2002 TU_{281}			1 16.9	95°.47	2°.2/18.6	18 R
12 13	8 12.69	+10 36.6	3.591	4.359	8.9	20.2
12 23	8 7.92	+10 30.5	3.521	4.382	6.9	20.1
1 2	8 2.01	+10 31.3	3.478	4.405	4.8	19.9
1 12	7 55.41	+10 38.4	3.463	4.428	2.8	19.8
1 22	7 48.60	+10 50.7	3.480	4.450	2.4	19.8
2 1	7 42.11	+11 6.9	3.528	4.473	4.1	20.0
2 11	7 36.42	+11 25.5	3.606	4.494	6.1	20.1
2 21	7 31.90	+11 45.0	3.711	4.516	8.1	20.3
52320 1992 DX_{7}			1 16.9	349°.81	2°.5/15.9	18
12 13	8 16.50	+26 28.4	1.954	2.778	13.3	19.1
12 23	8 12.05	+26 59.6	1.875	2.774	10.0	18.9
1 2	8 5.17	+27 32.4	1.819	2.770	6.4	18.7
1 12	7 56.60	+28 2.0	1.790	2.767	3.0	18.5
1 22	7 47.38	+28 24.1	1.790	2.764	3.7	18.5
2 1	7 38.68	+28 35.6	1.818	2.761	7.3	18.7
2 11	7 31.63	+28 35.9	1.873	2.760	10.9	18.9
2 21	7 26.98	+28 26.1	1.950	2.758	14.1	19.2
414242 2008 FS_{135}			1 16.9	4°.82	9°.4/20.5	18
12 13	8 16.02	− 1 15.6	1.669	2.425	18.0	21.1
12 23	8 11.77	− 2 20.6	1.593	2.425	15.3	20.9
1 2	8 5.04	− 3 3.8	1.537	2.426	12.5	20.7
1 12	7 56.57	− 3 20.9	1.503	2.426	10.2	20.6
1 22	7 47.40	− 3 10.5	1.495	2.427	9.5	20.5
2 1	7 38.74	− 2 34.3	1.511	2.429	10.8	20.6
2 11	7 31.73	− 1 38.1	1.552	2.430	13.3	20.8
2 21	7 27.16	− 0 29.1	1.614	2.432	16.1	20.9

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
175029 2004 FJ_{39}			1 16.9	40°.79	1°.4/17.5	18
	h m	° ′			°	m
12 13	8 17.79	+15 39.5	1.594	2.410	16.1	20.2
12 23	8 13.24	+15 57.7	1.522	2.416	12.3	20.0
1 2	8 6.00	+16 27.9	1.473	2.422	7.9	19.7
1 12	7 56.90	+17 7.2	1.450	2.428	3.1	19.4
1 22	7 47.10	+17 50.9	1.454	2.435	2.6	19.4
2 1	7 37.96	+18 34.4	1.487	2.442	7.3	19.7
2 11	7 30.70	+19 13.8	1.545	2.449	11.7	20.0
2 21	7 26.12	+19 46.8	1.625	2.456	15.4	20.3
90940 1997 TR_{23}			1 16.9	196°.44	3°.5/18.3	18
12 13	8 20.56	+11 18.0	1.779	2.571	15.7	20.8
12 23	8 15.12	+11 6.0	1.694	2.570	12.3	20.5
1 2	8 7.12	+11 7.1	1.632	2.568	8.4	20.3
1 12	7 57.29	+11 20.6	1.596	2.565	4.7	20.1
1 22	7 46.70	+11 44.6	1.588	2.562	4.0	20.0
2 1	7 36.62	+12 15.8	1.609	2.558	7.4	20.2
2 11	7 28.23	+12 50.6	1.657	2.554	11.4	20.4
2 21	7 22.36	+13 25.6	1.728	2.550	15.0	20.7
241838 2001 SZ_{318}			1 16.9	126°.33	4°.1/19.5	18
12 13	8 14.39	+ 5 41.0	2.550	3.312	12.3	20.8
12 23	8 9.71	+ 5 40.0	2.469	3.320	9.9	20.6
1 2	8 3.38	+ 5 52.3	2.410	3.327	7.2	20.4
1 12	7 55.95	+ 6 17.6	2.380	3.334	4.9	20.3
1 22	7 48.09	+ 6 54.3	2.378	3.340	4.2	20.3
2 1	7 40.60	+ 7 39.8	2.406	3.347	5.9	20.4
2 11	7 34.19	+ 8 30.5	2.463	3.353	8.5	20.6
2 21	7 29.42	+ 9 22.9	2.546	3.359	11.0	20.7
203501 2002 AO_{121}			1 16.9	68°.67	0°.1/17.0	18
12 13	8 19.99	+17 13.9	1.432	2.255	17.3	19.5
12 23	8 15.15	+18 1.0	1.369	2.267	13.1	19.2
1 2	8 7.30	+19 1.2	1.328	2.279	8.2	19.0
1 12	7 57.36	+20 8.8	1.312	2.292	2.8	18.7
1 22	7 46.68	+21 16.6	1.324	2.304	2.7	18.7
2 1	7 36.79	+22 18.0	1.363	2.317	8.0	19.1
2 11	7 29.09	+23 8.9	1.428	2.330	12.6	19.4
2 21	7 24.41	+23 47.6	1.515	2.342	16.5	19.6
457803 2009 RS_{7}			1 16.9	122°.33	5°.6/14.6	18
12 13	8 26.14	+37 40.4	2.301	3.099	12.4	21.2
12 23	8 18.95	+38 24.4	2.241	3.115	9.8	21.1
1 2	8 9.25	+39 0.7	2.205	3.130	7.3	20.9
1 12	7 57.95	+39 22.9	2.197	3.145	5.7	20.9
1 22	7 46.19	+39 27.2	2.218	3.159	6.2	20.9
2 1	7 35.26	+39 12.5	2.269	3.173	8.3	21.1
2 11	7 26.25	+38 40.9	2.346	3.187	10.8	21.2
2 21	7 19.84	+37 56.6	2.446	3.200	13.1	21.4
54739 2001 KC_{31}			1 16.9	201°.04	1°.2/16.5	18
12 13	8 23.39	+21 40.3	1.847	2.656	14.5	20.1
12 23	8 17.40	+22 18.9	1.761	2.652	11.0	19.8
1 2	8 8.63	+23 4.2	1.698	2.648	6.9	19.6
1 12	7 57.86	+23 51.0	1.663	2.642	2.5	19.3
1 22	7 46.20	+24 34.0	1.658	2.636	2.9	19.3
2 1	7 35.04	+25 8.6	1.682	2.629	7.4	19.6
2 11	7 25.67	+25 32.8	1.734	2.621	11.6	19.8
2 21	7 19.00	+25 46.6	1.809	2.613	15.2	20.0
80031 1999 JF_{17}			1 16.9	301°.96	4°.6/13.9	18
12 13	8 17.84	+31 27.1	2.279	3.094	11.9	19.3
12 23	8 13.01	+32 50.6	2.199	3.089	9.2	19.1
1 2	8 5.80	+34 14.2	2.145	3.085	6.4	18.9
1 12	7 56.88	+35 31.0	2.120	3.080	4.7	18.8
1 22	7 47.18	+36 34.7	2.124	3.076	5.6	18.8
2 1	7 37.83	+37 21.2	2.157	3.072	8.1	19.0
2 11	7 29.95	+37 49.3	2.216	3.068	11.0	19.1
2 21	7 24.35	+38 0.6	2.298	3.063	13.6	19.3
425680 2011 AL_{21}			1 16.9	124°.57	1°.4/16.2	18
12 13	8 18.85	+22 22.7	2.062	2.874	13.1	21.2
12 23	8 13.61	+23 9.0	1.987	2.881	9.8	21.0
1 2	8 6.05	+24 0.6	1.938	2.888	6.1	20.8
1 12	7 56.92	+24 52.5	1.916	2.895	2.3	20.6
1 22	7 47.19	+25 39.9	1.925	2.902	2.8	20.6
2 1	7 37.97	+26 18.9	1.963	2.908	6.6	20.9
2 11	7 30.32	+26 47.6	2.028	2.914	10.2	21.1
2 21	7 24.94	+27 6.0	2.117	2.920	13.3	21.3
505175 2012 TW_{38}			1 16.9	10°.98	5°.4/19.6	18
12 13	8 14.26	+ 4 18.5	2.274	3.037	13.6	20.9
12 23	8 9.84	+ 3 48.0	2.190	3.038	11.1	20.7
1 2	8 3.58	+ 3 31.8	2.129	3.039	8.4	20.5
1 12	7 56.06	+ 3 31.0	2.094	3.040	6.1	20.4
1 22	7 48.06	+ 3 45.1	2.087	3.041	5.5	20.4
2 1	7 40.43	+ 4 12.3	2.109	3.042	7.1	20.5
2 11	7 34.00	+ 4 49.2	2.157	3.044	9.7	20.6
2 21	7 29.38	+ 5 31.8	2.230	3.045	12.3	20.8

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
432526 2010 GA_{98}			1 16.9	333°.48	9°.0/12.3	18
	h m	° ′			°	m
12 13	8 21.24	+42 34.1	1.872	2.682	14.3	20.3
12 23	8 16.45	+43 57.4	1.799	2.670	12.0	20.1
1 2	8 8.35	+45 11.2	1.749	2.659	9.9	20.0
1 12	7 57.82	+46 5.7	1.724	2.649	9.0	19.9
1 22	7 46.25	+46 33.6	1.725	2.639	9.8	19.9
2 1	7 35.37	+46 31.6	1.751	2.630	11.9	20.0
2 11	7 26.77	+46 2.2	1.800	2.621	14.5	20.2
2 21	7 21.46	+45 11.0	1.868	2.613	16.9	20.3
499427 2010 CV_{126}			1 16.9	109°.72	3°.2/15.7	17
12 13	8 20.64	+30 7.3	2.210	3.022	12.4	21.5
12 23	8 14.86	+30 29.3	2.134	3.025	9.4	21.3
1 2	8 6.78	+30 49.0	2.082	3.027	6.2	21.1
1 12	7 57.15	+31 1.8	2.059	3.030	3.5	20.9
1 22	7 47.00	+31 4.2	2.064	3.032	4.1	21.0
2 1	7 37.46	+30 54.5	2.099	3.035	7.0	21.1
2 11	7 29.56	+30 33.5	2.162	3.037	10.2	21.3
2 21	7 23.98	+30 3.4	2.248	3.039	13.0	21.5
409939 2006 UD_{79}			1 16.9	8°.90	1°.4/16.6	18
12 13	8 18.23	+23 27.8	1.306	2.147	17.6	20.8
12 23	8 14.19	+23 36.0	1.240	2.149	13.3	20.5
1 2	8 6.87	+23 48.6	1.196	2.151	8.3	20.2
1 12	7 57.27	+24 0.8	1.175	2.155	3.0	19.9
1 22	7 46.88	+24 7.8	1.180	2.159	3.4	20.0
2 1	7 37.40	+24 6.7	1.211	2.165	8.7	20.3
2 11	7 30.33	+23 56.9	1.265	2.172	13.5	20.6
2 21	7 26.52	+23 39.6	1.340	2.179	17.6	20.8
233108 2005 SG_{134}			1 16.9	29°.29	2°.3/16.3	18
12 13	8 20.49	+23 37.3	1.132	1.979	19.3	20.5
12 23	8 16.28	+24 9.4	1.075	1.986	14.6	20.3
1 2	8 8.33	+24 47.9	1.038	1.995	9.1	20.0
1 12	7 57.79	+25 25.3	1.025	2.004	3.5	19.7
1 22	7 46.39	+25 54.4	1.036	2.014	4.2	19.8
2 1	7 36.13	+26 10.5	1.072	2.025	9.7	20.1
2 11	7 28.68	+26 12.7	1.131	2.037	14.8	20.4
2 21	7 24.95	+26 3.1	1.209	2.049	19.1	20.7
459347 2012 HM_{54}			1 16.9	333°.96	6°.0/18.9	18
12 13	8 16.15	+ 7 18.8	1.614	2.408	17.0	20.8
12 23	8 12.05	+ 6 35.2	1.530	2.400	13.7	20.6
1 2	8 5.34	+ 6 7.4	1.467	2.393	10.1	20.4
1 12	7 56.76	+ 5 57.5	1.428	2.386	6.9	20.2
1 22	7 47.37	+ 6 5.5	1.416	2.379	6.2	20.1
2 1	7 38.46	+ 6 29.3	1.429	2.373	8.8	20.3
2 11	7 31.25	+ 7 4.6	1.468	2.368	12.5	20.4
2 21	7 26.61	+ 7 46.3	1.529	2.363	16.1	20.7
199022 2005 WD_{99}			1 16.9	251°.27	3°.5/18.0	18
12 13	8 20.97	+13 4.2	1.551	2.357	17.0	20.7
12 23	8 15.85	+12 40.4	1.465	2.350	13.3	20.5
1 2	8 7.81	+12 28.7	1.402	2.343	9.0	20.2
1 12	7 57.62	+12 28.8	1.363	2.335	4.7	19.9
1 22	7 46.51	+12 39.0	1.352	2.327	4.1	19.9
2 1	7 35.94	+12 56.7	1.368	2.320	8.2	20.1
2 11	7 27.32	+13 18.4	1.409	2.312	12.7	20.3
2 21	7 21.56	+13 41.3	1.473	2.303	16.8	20.5
85749 1998 SH_{140}			1 16.9	71°.45	1°.4/16.5	18
12 13	8 22.88	+23 28.5	1.610	2.431	15.8	19.8
12 23	8 16.93	+23 47.6	1.554	2.452	11.8	19.6
1 2	8 8.18	+24 10.1	1.520	2.472	7.3	19.4
1 12	7 57.64	+24 31.0	1.513	2.492	2.7	19.2
1 22	7 46.62	+24 46.1	1.534	2.513	3.1	19.2
2 1	7 36.55	+24 52.7	1.584	2.533	7.5	19.6
2 11	7 28.65	+24 50.4	1.659	2.553	11.7	19.8
2 21	7 23.62	+24 40.6	1.757	2.573	15.1	20.1
30707 4075 $T\text{-}_{3}$			1 16.9	318°.15	0°.1/17.0	18
12 13	8 18.61	+18 35.8	1.324	2.156	17.9	18.4
12 23	8 14.65	+19 0.4	1.244	2.147	13.7	18.1
1 2	8 7.34	+19 37.2	1.185	2.138	8.6	17.8
1 12	7 57.53	+20 21.8	1.150	2.130	3.0	17.4
1 22	7 46.59	+21 8.0	1.141	2.122	3.0	17.4
2 1	7 36.25	+21 49.9	1.158	2.114	8.8	17.7
2 11	7 28.17	+22 23.3	1.200	2.107	14.0	18.0
2 21	7 23.41	+22 46.9	1.261	2.100	18.5	18.3
341621 2007 UW_{138}			1 16.9	106°.80	2°.2/17.9	18
12 13	8 16.47	+13 53.9	2.389	3.180	12.2	21.1
12 23	8 11.40	+13 40.3	2.308	3.185	9.4	21.0
1 2	8 4.50	+13 34.4	2.251	3.190	6.3	20.8
1 12	7 56.38	+13 35.6	2.222	3.195	3.1	20.6
1 22	7 47.83	+13 42.2	2.223	3.199	2.7	20.5
2 1	7 39.70	+13 52.8	2.254	3.204	5.6	20.7
2 11	7 32.82	+14 5.2	2.314	3.209	8.8	20.9
2 21	7 27.77	+14 18.0	2.398	3.213	11.6	21.1

11576 1994 *CL* 1 16.9 229°.98 5°.7/14.9 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 26.13	+34 27.0	1.864	2.676	14.3	17.7
12 23	8 19.74	+35 13.3	1.781	2.667	11.3	17.5
1 2	8 10.22	+35 54.8	1.722	2.658	8.0	17.3
1 12	7 58.44	+36 23.9	1.689	2.649	5.8	17.1
1 22	7 45.74	+36 34.3	1.685	2.640	6.5	17.1
2 1	7 33.72	+36 23.3	1.709	2.629	9.5	17.3
2 11	7 23.86	+35 52.7	1.758	2.619	12.9	17.5
2 21	7 17.10	+35 7.2	1.830	2.608	16.1	17.7

30879 Hiroshikanai 1 16.9 247°.36 6°.2/13.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 22.46	+34 4.9	1.953	2.768	13.6	17.8
12 23	8 17.05	+35 34.7	1.870	2.757	10.7	17.6
1 2	8 8.63	+37 3.3	1.812	2.747	7.9	17.4
1 12	7 57.95	+38 21.5	1.782	2.736	6.2	17.3
1 22	7 46.17	+39 21.4	1.780	2.724	7.2	17.4
2 1	7 34.81	+39 58.0	1.806	2.713	10.0	17.5
2 11	7 25.34	+40 11.0	1.856	2.701	13.1	17.7
2 21	7 18.77	+40 3.8	1.928	2.689	16.0	17.8

90130 2002 XK_{82} 1 16.9 345°.34 4°.8/14.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.36	+27 4.1	1.567	2.401	15.5	18.9
12 23	8 14.26	+28 47.8	1.493	2.397	11.8	18.7
1 2	8 7.03	+30 38.1	1.443	2.393	7.9	18.4
1 12	7 57.42	+32 24.7	1.419	2.390	5.0	18.3
1 22	7 46.71	+33 57.5	1.423	2.387	6.2	18.3
2 1	7 36.51	+35 8.6	1.455	2.385	10.0	18.5
2 11	7 28.39	+35 55.5	1.510	2.383	14.0	18.8
2 21	7 23.38	+36 20.0	1.587	2.381	17.4	19.0

131643 2001 XS_{85} 1 16.9 17°.16 0°.9/17.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.85	+16 58.1	1.067	1.915	20.1	19.4
12 23	8 12.82	+17 18.7	1.010	1.921	15.3	19.1
1 2	8 6.21	+17 54.9	0.972	1.928	9.7	18.8
1 12	7 57.12	+18 41.8	0.957	1.936	3.5	18.5
1 22	7 47.14	+19 32.6	0.965	1.946	3.1	18.5
2 1	7 38.15	+20 20.3	0.998	1.957	9.1	18.9
2 11	7 31.81	+20 59.8	1.053	1.969	14.5	19.2
2 21	7 29.01	+21 29.1	1.127	1.983	19.1	19.5

100330 1995 QY_{8} 1 16.9 337°.40 4°.0/19.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 14.18	+ 7 25.8	2.249	3.026	13.3	20.2
12 23	8 9.86	+ 7 23.6	2.162	3.025	10.6	20.0
1 2	8 3.65	+ 7 35.2	2.099	3.023	7.6	19.9
1 12	7 56.14	+ 8 0.3	2.061	3.022	4.9	19.7
1 22	7 48.09	+ 8 37.3	2.053	3.020	4.2	19.6
2 1	7 40.39	+ 9 23.0	2.074	3.019	6.4	19.8
2 11	7 33.91	+10 13.8	2.122	3.018	9.4	20.0
2 21	7 29.26	+11 5.7	2.196	3.017	12.3	20.1

313793 2003 YD_{154} 1 16.9 352°.83 8°.2/12.7 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 21.23	+35 6.3	1.495	2.327	16.2	19.5
12 23	8 16.86	+37 2.9	1.430	2.325	12.9	19.3
1 2	8 8.85	+38 57.1	1.388	2.323	9.8	19.1
1 12	7 58.09	+40 36.5	1.372	2.321	8.2	19.0
1 22	7 46.09	+41 49.9	1.381	2.320	9.4	19.1
2 1	7 34.79	+42 31.4	1.416	2.320	12.4	19.2
2 11	7 26.02	+42 41.8	1.473	2.319	15.8	19.4
2 21	7 20.89	+42 26.7	1.548	2.320	18.8	19.6

381928 2010 CW_{143} 1 16.9 333°.98 1°.8/16.3 15

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 15.44	+23 39.3	1.652	2.484	14.9	20.8
12 23	8 11.77	+24 6.9	1.563	2.467	11.3	20.5
1 2	8 5.32	+24 39.7	1.497	2.451	7.1	20.2
1 12	7 56.81	+25 13.0	1.457	2.436	2.8	19.9
1 22	7 47.38	+25 41.6	1.444	2.421	3.4	19.9
2 1	7 38.41	+26 1.4	1.458	2.408	7.9	20.2
2 11	7 31.25	+26 10.6	1.497	2.395	12.4	20.4
2 21	7 26.83	+26 9.4	1.557	2.384	16.2	20.6

239720 2009 BP_{35} 1 16.9 180°.23 0°.9/16.4 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 16.24	+22 51.8	2.921	3.722	10.0	21.4
12 23	8 11.06	+23 17.3	2.835	3.723	7.5	21.3
1 2	8 4.24	+23 45.4	2.775	3.723	4.6	21.1
1 12	7 56.31	+24 13.3	2.745	3.723	1.7	20.9
1 22	7 47.95	+24 38.5	2.745	3.723	2.0	20.9
2 1	7 39.93	+24 58.7	2.778	3.723	5.0	21.1
2 11	7 32.95	+25 12.9	2.839	3.722	7.8	21.3
2 21	7 27.58	+25 20.8	2.926	3.720	10.2	21.4

204330 2004 RC_{183} 1 16.9 52°.13 3°.5/18.2 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.88	+12 40.7	1.352	2.169	18.5	20.1
12 23	8 15.11	+12 27.3	1.289	2.179	14.3	19.9
1 2	8 7.30	+12 29.1	1.247	2.191	9.6	19.6
1 12	7 57.43	+12 45.0	1.229	2.202	4.9	19.4
1 22	7 46.87	+13 11.9	1.237	2.214	4.1	19.4
2 1	7 37.17	+13 45.3	1.271	2.226	8.3	19.6
2 11	7 29.70	+14 20.7	1.330	2.238	12.9	19.9
2 21	7 25.27	+14 54.4	1.411	2.250	16.9	20.2

419997 2011 CX_{38} 1 16.9 97°.46 1°.4/16.4 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
12 13	8 19.26	+22 51.9	1.979	2.794	13.5	21.9
12 23	8 13.96	+23 25.1	1.908	2.803	10.1	21.7
1 2	8 6.30	+24 2.6	1.861	2.812	6.3	21.5
1 12	7 57.05	+24 39.9	1.841	2.820	2.3	21.2
1 22	7 47.23	+25 12.5	1.851	2.829	2.8	21.3
2 1	7 38.01	+25 37.3	1.891	2.838	6.7	21.6
2 11	7 30.44	+25 52.8	1.957	2.846	10.4	21.8
2 21	7 25.23	+25 59.4	2.047	2.855	13.6	22.0

182595 2001 UH_{18} 1 16.9 75°.71 2°.8/18.3 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 19.70	+12 4.8	1.796	2.592	15.4	20.1
12 23	8 14.18	+12 6.3	1.737	2.616	11.9	19.9
1 2	8 6.34	+12 20.7	1.701	2.640	7.9	19.7
1 12	7 57.03	+12 46.0	1.691	2.663	4.0	19.5
1 22	7 47.30	+13 19.0	1.710	2.687	3.3	19.5
2 1	7 38.30	+13 56.2	1.758	2.710	6.7	19.8
2 11	7 31.05	+14 33.8	1.833	2.733	10.4	20.1
2 21	7 26.18	+15 9.1	1.932	2.755	13.6	20.3

298882 2004 SJ_{39} 1 17.0 159°.40 4°.3/15.1 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 26.27	+31 2.0	2.006	2.814	13.6	21.1
12 23	8 19.41	+31 55.7	1.935	2.822	10.4	21.0
1 2	8 9.78	+32 47.3	1.888	2.829	7.1	20.8
1 12	7 58.25	+33 29.9	1.869	2.836	4.5	20.6
1 22	7 46.03	+33 57.8	1.880	2.841	5.2	20.7
2 1	7 34.52	+34 8.2	1.921	2.846	8.3	20.9
2 11	7 24.96	+34 1.9	1.988	2.850	11.6	21.1
2 21	7 18.17	+33 42.0	2.078	2.854	14.5	21.3

274652 2008 TB_{151} 1 17.0 157°.48 1°.0/17.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.10	+16 6.7	2.349	3.146	12.2	21.6
12 23	8 11.98	+16 22.7	2.267	3.150	9.3	21.4
1 2	8 4.93	+16 46.6	2.209	3.153	5.9	21.2
1 12	7 56.57	+17 16.1	2.179	3.157	2.4	21.0
1 22	7 47.71	+17 48.3	2.180	3.160	2.0	20.9
2 1	7 39.25	+18 20.5	2.211	3.163	5.5	21.2
2 11	7 32.08	+18 50.2	2.271	3.165	8.9	21.4
2 21	7 26.79	+19 15.8	2.356	3.168	11.9	21.6

336516 2008 XT_{47} 1 17.0 73°.33 0°.4/16.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 17.49	+20 2.5	2.166	2.974	12.7	20.9
12 23	8 12.34	+20 34.7	2.102	2.994	9.5	20.7
1 2	8 5.15	+21 12.6	2.063	3.013	5.9	20.5
1 12	7 56.63	+21 52.4	2.052	3.032	2.0	20.3
1 22	7 47.70	+22 30.5	2.071	3.050	2.1	20.3
2 1	7 39.33	+23 3.6	2.120	3.069	5.9	20.6
2 11	7 32.43	+23 29.8	2.196	3.088	9.3	20.9
2 21	7 27.60	+23 48.6	2.297	3.107	12.2	21.1

32020 2000 HZ_{87} 1 17.0 74°.23 6°.9/13.8 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 24.29	+35 10.8	1.710	2.529	15.1	17.6
12 23	8 18.40	+36 43.7	1.660	2.548	11.8	17.5
1 2	8 9.35	+38 10.8	1.634	2.567	8.7	17.3
1 12	7 58.13	+39 22.3	1.635	2.586	6.9	17.2
1 22	7 46.21	+40 10.6	1.663	2.606	7.8	17.3
2 1	7 35.23	+40 32.6	1.718	2.625	10.4	17.5
2 11	7 26.60	+40 30.3	1.798	2.644	13.4	17.8
2 21	7 21.17	+40 8.8	1.898	2.662	16.0	18.0

317597 2002 XO_{42} 1 17.0 59°.73 1°.0/16.7 17

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 26.61	+22 26.6	1.495	2.313	17.0	20.6
12 23	8 19.55	+22 42.8	1.458	2.353	12.6	20.4
1 2	8 9.65	+23 2.8	1.442	2.394	7.7	20.2
1 12	7 58.11	+23 21.7	1.454	2.433	2.6	20.0
1 22	7 46.38	+23 35.2	1.494	2.473	2.9	20.1
2 1	7 35.93	+23 41.0	1.562	2.512	7.5	20.5
2 11	7 27.92	+23 39.1	1.656	2.551	11.6	20.8
2 21	7 22.91	+23 30.7	1.773	2.589	15.0	21.1

290969 2005 XU_{6} 1 17.0 216°.80 0°.1/17.0 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 22.77	+19 2.5	1.887	2.691	14.5	22.1
12 23	8 16.89	+19 23.2	1.794	2.683	11.0	21.9
1 2	8 8.35	+19 51.7	1.726	2.674	7.0	21.6
1 12	7 57.84	+20 24.5	1.684	2.664	2.4	21.3
1 22	7 46.45	+20 57.3	1.673	2.653	2.4	21.3
2 1	7 35.48	+21 26.3	1.691	2.641	7.0	21.6
2 11	7 26.20	+21 49.2	1.737	2.629	11.3	21.8
2 21	7 19.50	+22 5.1	1.806	2.616	15.0	22.0

62389 2000 SE_{165} 1 17.0 309°.57 5°.6/18.5 18

2019/20	α_{2000}	δ_{2000}	Δ	r	β	V
12 13	8 18.11	+ 8 39.0	1.775	2.564	15.9	18.0
12 23	8 13.36	+ 7 43.4	1.685	2.553	12.8	17.7
1 2	8 6.11	+ 6 59.8	1.616	2.542	9.4	17.5
1 12	7 57.07	+ 6 30.3	1.573	2.532	6.4	17.3
1 22	7 47.24	+ 6 15.8	1.558	2.521	5.8	17.2
2 1	7 37.84	+ 6 15.5	1.570	2.511	8.4	17.4
2 11	7 30.03	+ 6 26.8	1.608	2.501	12.0	17.5
2 21	7 24.65	+ 6 46.1	1.668	2.492	15.4	17.7