205377 2001 BR_9 11 18.9 357°.74 14°.7/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.64	−10 24.0	1.189	2.041	19.1	19.3
10 28	3 56.06	−11 36.8	1.147	2.036	16.7	19.1
11 7	3 48.80	−12 21.1	1.124	2.032	15.1	19.0
11 17	3 39.95	−12 27.2	1.120	2.030	14.8	19.0
11 27	3 31.00	−11 50.0	1.137	2.029	16.0	19.1
12 7	3 23.41	−10 31.2	1.174	2.030	18.2	19.2
12 17	3 18.27	− 8 37.7	1.230	2.032	20.7	19.4
12 27	3 16.23	− 6 19.1	1.301	2.036	23.1	19.6

282716 2006 BV_{257} 11 18.9 75°.91 1°.4/18.4 18

10 18	4 6.55	+16 56.4	1.590	2.451	14.6	20.3
10 28	3 59.65	+16 39.8	1.545	2.473	10.4	20.1
11 7	3 50.53	+16 19.4	1.523	2.495	5.8	19.9
11 17	3 40.21	+15 57.6	1.529	2.516	1.5	19.6
11 27	3 30.01	+15 37.9	1.563	2.538	4.4	19.9
12 7	3 21.15	+15 23.9	1.625	2.559	8.8	20.2
12 17	3 14.53	+15 18.4	1.712	2.580	12.6	20.5
12 27	3 10.67	+15 23.3	1.820	2.601	15.8	20.7

454700 2014 SP_{91} 11 18.9 106°.76 0°.2/18.8 18

10 18	4 1.80	+20 13.0	2.427	3.273	10.7	21.9
10 28	3 55.75	+19 47.7	2.368	3.289	7.7	21.7
11 7	3 48.19	+19 16.9	2.336	3.305	4.3	21.5
11 17	3 39.82	+18 42.5	2.332	3.320	0.7	21.3
11 27	3 31.47	+18 7.3	2.359	3.336	2.9	21.5
12 7	3 23.95	+17 34.5	2.417	3.351	6.3	21.7
12 17	3 17.90	+17 7.2	2.501	3.365	9.3	21.9
12 27	3 13.78	+16 47.6	2.610	3.380	11.8	22.1

369713 2012 DB_{50} 11 19.0 160°.28 3°.5/16.4 18

10 18	3 59.43	+ 8 9.8	2.822	3.672	9.3	22.1
10 28	3 53.90	+ 7 26.7	2.759	3.677	6.8	21.9
11 7	3 47.12	+ 6 45.8	2.723	3.682	4.5	21.8
11 17	3 39.65	+ 6 10.2	2.717	3.687	3.5	21.7
11 27	3 32.15	+ 5 42.6	2.741	3.691	4.8	21.8
12 7	3 25.26	+ 5 25.3	2.794	3.695	7.1	22.0
12 17	3 19.52	+ 5 19.3	2.874	3.698	9.5	22.2
12 27	3 15.37	+ 5 24.7	2.977	3.701	11.5	22.3

321536 2009 SP_{270} 11 19.0 154°.15 2°.9/20.7 18

10 18	4 5.10	+28 59.6	2.559	3.377	11.1	21.0
10 28	3 58.31	+29 21.5	2.485	3.383	8.4	20.8
11 7	3 49.75	+29 33.5	2.437	3.389	5.5	20.6
11 17	3 40.12	+29 34.5	2.418	3.394	3.1	20.5
11 27	3 30.33	+29 25.2	2.429	3.399	3.6	20.5
12 7	3 21.33	+29 8.1	2.470	3.403	6.2	20.7
12 17	3 13.89	+28 46.7	2.539	3.407	9.0	20.9
12 27	3 8.57	+28 25.2	2.633	3.411	11.5	21.1

195916 2002 RJ_{78} 11 19.0 15°.00 7°.2/13.8 18

10 18	3 58.38	− 0 40.1	2.233	3.081	11.5	19.8
10 28	3 53.41	− 1 58.7	2.179	3.082	9.2	19.7
11 7	3 46.95	− 3 8.3	2.151	3.082	7.5	19.6
11 17	3 39.64	− 4 3.5	2.150	3.083	7.2	19.5
11 27	3 32.27	− 4 39.6	2.176	3.085	8.5	19.6
12 7	3 25.64	− 4 54.7	2.228	3.086	10.6	19.8
12 17	3 20.41	− 4 48.7	2.303	3.087	12.8	19.9
12 27	3 17.03	− 4 23.6	2.398	3.089	14.8	20.1

224829 2006 WD_{80} 11 19.0 313°.73 0°.9/19.4 18

10 18	4 5.14	+22 33.1	1.349	2.215	16.4	20.6
10 28	3 59.49	+22 27.0	1.278	2.207	12.1	20.3
11 7	3 50.88	+22 9.9	1.229	2.199	7.0	20.0
11 17	3 40.34	+21 42.5	1.205	2.192	1.7	19.6
11 27	3 29.45	+21 8.3	1.206	2.185	4.4	19.8
12 7	3 19.84	+20 33.1	1.234	2.178	9.8	20.1
12 17	3 12.83	+20 3.2	1.286	2.172	14.7	20.4
12 27	3 9.21	+19 43.8	1.357	2.166	18.8	20.6

413277 2003 UP_{58} 11 19.0 78°.39 3°.8/21.4 18

10 18	4 5.49	+31 55.3	2.267	3.081	12.5	20.9
10 28	3 58.64	+32 13.0	2.213	3.104	9.6	20.7
11 7	3 49.91	+32 17.3	2.182	3.127	6.6	20.6
11 17	3 40.13	+32 7.2	2.179	3.150	4.2	20.5
11 27	3 30.37	+31 44.0	2.206	3.172	4.3	20.5
12 7	3 21.65	+31 11.5	2.262	3.194	6.8	20.7
12 17	3 14.76	+30 34.2	2.345	3.216	9.5	20.9
12 27	3 10.23	+29 57.5	2.452	3.238	12.0	21.1

500285 2012 PG_{18} 11 19.0 97°.06 21°.1/10.9 17

10 18	4 8.72	−20 57.0	1.073	1.882	23.6	20.5
10 28	4 1.89	−23 16.3	1.057	1.891	22.0	20.5
11 7	3 51.99	−24 50.2	1.057	1.900	21.2	20.5
11 17	3 40.48	−25 27.0	1.074	1.910	21.3	20.5
11 27	3 29.21	−25 2.2	1.107	1.919	22.2	20.6
12 7	3 19.87	−23 41.1	1.155	1.927	23.7	20.8
12 17	3 13.57	−21 34.5	1.218	1.936	25.3	20.9
12 27	3 10.83	−18 55.5	1.292	1.944	26.8	21.1

270666 2002 PQ_{189} 11 19.0 68°.13 6°.8/23.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.78	+41 41.7	2.277	3.049	13.7	20.9
10 28	3 59.19	+42 6.7	2.210	3.059	11.4	20.8
11 7	3 50.37	+42 12.1	2.164	3.069	9.0	20.6
11 17	3 40.24	+41 55.4	2.144	3.078	7.2	20.5
11 27	3 30.02	+41 17.0	2.151	3.088	6.9	20.5
12 7	3 20.93	+40 21.0	2.186	3.098	8.2	20.6
12 17	3 13.90	+39 13.7	2.247	3.108	10.3	20.8
12 27	3 9.53	+38 2.6	2.332	3.118	12.6	21.0

449250 2013 CH_{202} 11 19.0 168°.35 3°.4/16.9 18

10 18	4 2.13	+ 9 44.3	2.406	3.257	10.6	22.0
10 28	3 56.03	+ 9 7.7	2.340	3.261	7.8	21.9
11 7	3 48.40	+ 8 32.7	2.301	3.264	4.9	21.7
11 17	3 39.91	+ 8 2.4	2.291	3.267	3.4	21.6
11 27	3 31.35	+ 7 39.9	2.312	3.269	5.0	21.7
12 7	3 23.53	+ 7 27.5	2.361	3.271	7.8	21.9
12 17	3 17.12	+ 7 26.6	2.438	3.273	10.6	22.1
12 27	3 12.61	+ 7 37.4	2.537	3.274	13.0	22.3

186715 2004 BW_{91} 11 19.0 269°.86 0°.3/18.9 18

10 18	4 5.11	+21 10.3	1.523	2.384	15.1	20.7
10 28	3 59.24	+20 35.3	1.441	2.369	11.0	20.5
11 7	3 50.67	+19 49.3	1.383	2.354	6.3	20.1
11 17	3 40.33	+18 54.7	1.351	2.339	1.1	19.8
11 27	3 29.62	+17 56.5	1.346	2.324	4.4	20.0
12 7	3 20.01	+17 1.3	1.369	2.308	9.6	20.2
12 17	3 12.70	+16 15.7	1.416	2.292	14.3	20.5
12 27	3 8.48	+15 44.4	1.484	2.277	18.2	20.7

351027 2003 SS_{55} 11 19.0 25°.52 6°.6/15.6 18

10 18	3 59.44	+10 22.4	1.132	2.023	17.0	19.4
10 28	3 55.05	+ 8 33.2	1.098	2.038	12.4	19.2
11 7	3 48.12	+ 6 47.0	1.086	2.053	8.2	19.0
11 17	3 39.85	+ 5 14.1	1.097	2.071	6.6	19.0
11 27	3 31.74	+ 4 4.2	1.133	2.089	9.1	19.2
12 7	3 25.15	+ 3 22.7	1.192	2.109	13.1	19.5
12 17	3 21.01	+ 3 10.0	1.272	2.129	16.9	19.8
12 27	3 19.82	+ 3 23.5	1.370	2.151	20.1	20.0

386081 2007 KH_1 11 19.0 276°.37 2°.2/18.0 18

10 18	4 4.46	+15 30.4	1.611	2.476	14.2	21.2
10 28	3 58.59	+15 4.6	1.532	2.462	10.3	20.9
11 7	3 50.24	+14 35.2	1.476	2.447	5.9	20.7
11 17	3 40.26	+14 5.1	1.447	2.433	2.2	20.4
11 27	3 29.92	+13 38.6	1.446	2.419	5.1	20.5
12 7	3 20.56	+13 19.9	1.472	2.404	9.7	20.8
12 17	3 13.30	+13 12.5	1.522	2.390	14.0	21.0
12 27	3 8.89	+13 18.5	1.593	2.375	17.6	21.2

336605 2009 UM_5 11 19.0 324°.89 1°.7/18.1 18

10 18	4 0.59	+20 32.5	1.231	2.110	16.7	19.4
10 28	3 56.34	+19 17.1	1.156	2.094	12.1	19.1
11 7	3 49.16	+17 46.3	1.104	2.078	6.8	18.7
11 17	3 40.08	+16 5.8	1.076	2.063	1.8	18.4
11 27	3 30.66	+14 25.4	1.073	2.049	5.7	18.6
12 7	3 22.52	+12 55.9	1.096	2.036	11.4	18.8
12 17	3 16.93	+11 45.8	1.141	2.023	16.5	19.1
12 27	3 14.68	+11 0.2	1.205	2.012	20.8	19.3

115198 2003 SQ_{110} 11 19.0 95°.24 2°.7/20.3 18

10 18	4 6.34	+26 41.0	1.760	2.601	14.3	19.9
10 28	3 59.75	+26 54.5	1.694	2.607	10.7	19.7
11 7	3 50.76	+26 56.2	1.653	2.614	6.7	19.5
11 17	3 40.33	+26 45.3	1.638	2.620	3.1	19.3
11 27	3 29.74	+26 23.4	1.651	2.626	4.1	19.4
12 7	3 20.32	+25 54.7	1.693	2.633	8.0	19.6
12 17	3 13.09	+25 24.7	1.760	2.639	11.8	19.9
12 27	3 8.69	+24 58.6	1.850	2.645	15.0	20.1

275554 1999 NU_{38} 11 19.0 66°.50 2°.1/18.2 18

10 18	4 8.99	+15 2.4	1.520	2.380	15.2	20.0
10 28	4 1.26	+14 44.6	1.489	2.416	10.8	19.9
11 7	3 51.35	+14 25.1	1.482	2.452	6.0	19.7
11 17	3 40.40	+14 6.6	1.502	2.488	2.2	19.5
11 27	3 29.77	+13 52.5	1.550	2.523	4.8	19.8
12 7	3 20.69	+13 46.0	1.626	2.558	9.0	20.1
12 17	3 13.98	+13 48.9	1.728	2.592	12.8	20.4
12 27	3 10.09	+14 2.3	1.851	2.626	15.8	20.7

255430 2005 XC_{77} 11 19.0 338°.80 0°.7/19.4 18

10 18	4 2.08	+22 29.3	1.890	2.743	13.0	20.8
10 28	3 56.56	+22 20.1	1.816	2.739	9.5	20.6
11 7	3 48.94	+22 2.6	1.767	2.736	5.5	20.4
11 17	3 40.04	+21 37.7	1.745	2.733	1.3	20.1
11 27	3 30.95	+21 8.2	1.752	2.730	3.4	20.2
12 7	3 22.80	+20 38.1	1.787	2.728	7.6	20.5
12 17	3 16.49	+20 11.7	1.848	2.725	11.4	20.7
12 27	3 12.65	+19 52.6	1.932	2.723	14.6	20.9

109030 2001 QL_{10} 11 19.0 30°69 2°1/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 4.69	+24 47.2	1.130	2.003	18.4	19.1
10 28	3 59.26	+24 47.9	1.085	2.015	13.5	18.9
11 7	3 50.70	+24 34.0	1.059	2.029	8.0	18.6
11 17	3 40.34	+24 6.2	1.057	2.043	2.7	18.4
11 27	3 29.99	+23 28.7	1.080	2.059	4.8	18.5
12 7	3 21.40	+22 48.6	1.127	2.075	10.1	18.9
12 17	3 15.77	+22 13.2	1.197	2.092	14.8	19.2
12 27	3 13.70	+21 48.2	1.286	2.110	18.8	19.5

457317 2008 ST_{89} 11 19.0 347°39 8°1/23.1 17

10 18	4 5.87	+40 43.5	1.940	2.727	15.3	20.5
10 28	3 59.87	+41 43.5	1.863	2.721	12.8	20.3
11 7	3 51.09	+42 24.1	1.808	2.716	10.3	20.1
11 17	3 40.44	+42 40.5	1.777	2.712	8.5	20.0
11 27	3 29.34	+42 30.8	1.772	2.707	8.2	20.0
12 7	3 19.33	+41 58.1	1.793	2.704	9.8	20.1
12 17	3 11.66	+41 9.0	1.839	2.701	12.2	20.2
12 27	3 7.17	+40 11.8	1.907	2.699	14.8	20.4

390569 2001 FS_{95} 11 19.0 192°85 2°1/17.8 18

10 18	4 3.76	+13 42.3	2.396	3.245	10.7	21.9
10 28	3 57.29	+13 17.7	2.321	3.243	7.8	21.7
11 7	3 49.18	+12 51.9	2.272	3.240	4.5	21.5
11 17	3 40.09	+12 27.1	2.253	3.237	2.1	21.4
11 27	3 30.87	+12 6.3	2.265	3.233	4.0	21.5
12 7	3 22.38	+11 51.8	2.306	3.228	7.3	21.7
12 17	3 15.34	+11 45.9	2.375	3.223	10.4	21.9
12 27	3 10.29	+11 49.7	2.467	3.217	13.0	22.1

365710 2010 VV_{159} 11 19.0 62°03 1°8/17.8 18

10 18	4 1.00	+17 2.9	1.947	2.808	12.3	20.9
10 28	3 55.48	+16 8.7	1.890	2.819	8.8	20.7
11 7	3 48.19	+15 9.8	1.858	2.829	4.9	20.5
11 17	3 39.91	+14 10.1	1.854	2.840	1.9	20.3
11 27	3 31.65	+13 14.6	1.879	2.851	4.3	20.5
12 7	3 24.36	+12 27.7	1.933	2.861	8.0	20.8
12 17	3 18.79	+11 52.8	2.012	2.872	11.4	21.0
12 27	3 15.43	+11 31.8	2.114	2.884	14.2	21.2

78163 2002 NX_{28} 11 19.0 339°63 4°6/21.9 18

10 18	4 3.10	+34 7.1	2.163	2.976	13.0	19.0
10 28	3 57.27	+34 18.7	2.086	2.973	10.3	18.8
11 7	3 49.35	+34 14.8	2.031	2.971	7.3	18.6
11 17	3 40.13	+33 54.0	2.003	2.969	5.0	18.5
11 27	3 30.72	+33 17.4	2.003	2.967	5.0	18.5
12 7	3 22.26	+32 29.0	2.032	2.965	7.4	18.6
12 17	3 15.65	+31 34.5	2.087	2.963	10.3	18.8
12 27	3 11.52	+30 40.1	2.166	2.962	13.1	19.0

168624 2000 CW_{22} 11 19.0 289°41 0°1/19.1 18

10 18	4 2.96	+21 35.5	1.778	2.634	13.5	20.3
10 28	3 57.45	+21 9.4	1.689	2.614	9.9	20.1
11 7	3 49.60	+20 33.7	1.623	2.593	5.7	19.8
11 17	3 40.20	+19 50.0	1.584	2.573	1.0	19.4
11 27	3 30.41	+19 2.2	1.574	2.552	3.8	19.6
12 7	3 21.50	+18 15.4	1.592	2.531	8.5	19.8
12 17	3 14.52	+17 35.0	1.635	2.510	12.8	20.0
12 27	3 10.23	+17 5.5	1.700	2.490	16.4	20.2

296653 2009 SN_{135} 11 19.0 264°01 0°5/19.3 18

10 18	4 1.50	+22 10.3	2.339	3.184	11.1	21.2
10 28	3 55.88	+21 54.9	2.252	3.171	8.1	20.9
11 7	3 48.49	+21 32.3	2.190	3.158	4.7	20.7
11 17	3 39.99	+21 3.4	2.157	3.144	1.0	20.4
11 27	3 31.28	+20 30.7	2.153	3.131	3.0	20.5
12 7	3 23.26	+19 57.7	2.180	3.117	6.7	20.8
12 17	3 16.73	+19 27.8	2.233	3.103	10.0	21.0
12 27	3 12.27	+19 4.6	2.311	3.089	12.9	21.1

490575 2009 WG_{82} 11 19.0 286°20 3°1/21.1 17

10 18	4 2.13	+30 26.6	2.277	3.101	12.1	21.8
10 28	3 56.40	+30 20.8	2.198	3.098	9.2	21.6
11 7	3 48.78	+30 2.2	2.143	3.095	6.1	21.4
11 17	3 40.04	+29 30.3	2.116	3.092	3.4	21.2
11 27	3 31.14	+28 47.2	2.117	3.089	3.8	21.2
12 7	3 23.10	+27 56.9	2.148	3.086	6.7	21.4
12 17	3 16.74	+27 4.5	2.207	3.083	9.8	21.6
12 27	3 12.63	+26 15.2	2.289	3.080	12.6	21.8

100067 1992 EY_{26} 11 19.0 349°26 5°2/16.8 18

10 18	3 58.89	+10 51.4	1.211	2.100	16.3	18.3
10 28	3 54.97	+ 9 58.7	1.151	2.090	12.0	18.0
11 7	3 48.34	+ 9 6.8	1.111	2.081	7.6	17.8
11 17	3 39.99	+ 8 22.5	1.094	2.074	5.2	17.6
11 27	3 31.37	+ 7 52.7	1.102	2.068	7.8	17.7
12 7	3 23.98	+ 7 42.4	1.134	2.063	12.3	18.0
12 17	3 18.99	+ 7 53.2	1.187	2.060	16.7	18.2
12 27	3 17.14	+ 8 24.5	1.258	2.058	20.4	18.5

116314 2003 YA_{66} 11 19.0 350°82 7°4/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.13	+ 2 13.3	1.526	2.389	15.0	19.3
10 28	3 57.49	+ 1 38.2	1.468	2.386	11.6	19.1
11 7	3 49.54	+ 1 14.2	1.432	2.383	8.6	19.0
11 17	3 40.18	+ 1 6.8	1.421	2.381	7.4	18.9
11 27	3 30.67	+ 1 19.9	1.436	2.379	9.0	19.0
12 7	3 22.25	+ 1 54.6	1.476	2.378	12.2	19.2
12 17	3 15.90	+ 2 49.3	1.539	2.377	15.5	19.4
12 27	3 12.28	+ 4 0.5	1.622	2.377	18.5	19.6

316506 2010 VC_{136} 11 19.0 79°10 0°2/18.9 18

10 18	4 2.28	+20 15.3	2.023	2.876	12.3	21.1
10 28	3 56.46	+19 54.4	1.959	2.883	8.8	20.9
11 7	3 48.79	+19 27.1	1.919	2.889	4.9	20.6
11 17	3 40.05	+18 55.3	1.908	2.896	0.8	20.3
11 27	3 31.25	+18 22.2	1.926	2.903	3.4	20.6
12 7	3 23.38	+17 51.5	1.973	2.910	7.3	20.8
12 17	3 17.23	+17 26.8	2.047	2.917	10.8	21.1
12 27	3 13.35	+17 10.9	2.143	2.924	13.7	21.3

490329 2009 BZ_{173} 11 19.0 7°88 2°9/17.9 18

10 18	4 0.75	+14 31.2	1.176	2.063	16.8	20.4
10 28	3 56.30	+14 6.4	1.124	2.064	12.1	20.2
11 7	3 49.06	+13 39.9	1.093	2.067	7.0	19.9
11 17	3 40.11	+13 15.8	1.085	2.071	3.0	19.7
11 27	3 31.04	+12 59.1	1.102	2.076	6.0	19.9
12 7	3 23.36	+12 54.1	1.143	2.083	11.0	20.2
12 17	3 18.24	+13 3.2	1.206	2.091	15.6	20.5
12 27	3 16.35	+13 26.9	1.288	2.100	19.4	20.7

515112 2011 AS_{27} 11 19.0 341°50 2°3/20.0 18

10 18	4 3.93	+25 53.6	1.197	2.066	17.9	21.4
10 28	3 58.94	+25 44.0	1.131	2.059	13.3	21.1
11 7	3 50.72	+25 17.8	1.085	2.053	8.1	20.8
11 17	3 40.42	+24 35.4	1.062	2.048	3.0	20.5
11 27	3 29.79	+23 40.9	1.065	2.044	4.8	20.6
12 7	3 20.65	+22 42.5	1.092	2.040	10.3	20.9
12 17	3 14.37	+21 48.8	1.142	2.037	15.4	21.2
12 27	3 11.77	+21 7.0	1.211	2.035	19.7	21.4

150869 2001 SH_{192} 11 19.0 254°01 3°8/20.7 18

10 18	4 7.59	+28 57.5	1.632	2.470	15.4	19.8
10 28	4 1.09	+29 17.2	1.554	2.463	11.8	19.5
11 7	3 51.77	+29 22.6	1.499	2.455	7.7	19.3
11 17	3 40.60	+29 11.5	1.469	2.448	4.2	19.1
11 27	3 29.04	+28 44.8	1.467	2.440	5.0	19.1
12 7	3 18.64	+28 7.1	1.492	2.432	8.9	19.3
12 17	3 10.65	+27 25.2	1.543	2.424	13.0	19.5
12 27	3 5.88	+26 46.3	1.615	2.416	16.6	19.7

36746 2000 RX_{64} 11 19.0 73°66 0°0/19.1 18

10 18	4 7.02	+21 21.7	1.283	2.151	17.0	19.0
10 28	4 0.69	+20 58.4	1.228	2.159	12.3	18.8
11 7	3 51.45	+20 24.5	1.195	2.167	7.0	18.5
11 17	3 40.52	+19 42.4	1.187	2.175	1.2	18.1
11 27	3 29.54	+18 57.3	1.205	2.183	4.6	18.4
12 7	3 20.11	+18 15.6	1.249	2.192	10.0	18.7
12 17	3 13.42	+17 43.5	1.317	2.200	14.7	19.0
12 27	3 10.09	+17 24.8	1.405	2.209	18.5	19.3

225464 2000 EV_{75} 11 19.0 316°66 5°8/16.0 17

10 18	4 0.10	+ 5 17.9	1.855	2.718	12.7	19.7
10 28	3 55.19	+ 4 35.1	1.773	2.695	9.8	19.4
11 7	3 48.25	+ 3 57.5	1.715	2.672	6.9	19.2
11 17	3 40.00	+ 3 30.2	1.684	2.649	5.8	19.1
11 27	3 31.41	+ 3 17.6	1.679	2.627	7.5	19.2
12 7	3 23.55	+ 3 22.7	1.701	2.605	10.7	19.3
12 17	3 17.34	+ 3 46.3	1.747	2.584	14.0	19.5
12 27	3 13.46	+ 4 27.2	1.813	2.563	17.0	19.6

235390 2003 WG_{99} 11 19.0 315°41 1°2/19.3 17

10 18	4 8.65	+19 32.8	2.020	2.862	12.7	19.9
10 28	4 1.52	+20 35.0	1.927	2.845	9.3	19.6
11 7	3 51.95	+21 36.1	1.860	2.827	5.5	19.3
11 17	3 40.67	+22 33.9	1.823	2.810	1.5	19.0
11 27	3 28.78	+23 26.6	1.816	2.793	3.6	19.2
12 7	3 17.56	+24 13.7	1.840	2.776	7.8	19.4
12 17	3 8.12	+24 56.7	1.891	2.760	11.6	19.6
12 27	3 1.31	+25 38.0	1.966	2.744	14.9	19.8

478437 2012 HB_{72} 11 19.0 130°52 2°8/17.8 16

10 18	4 8.46	+12 50.1	1.749	2.604	13.8	22.2
10 28	4 0.98	+12 28.9	1.695	2.619	9.9	22.0
11 7	3 51.35	+12 7.8	1.665	2.633	5.8	21.8
11 17	3 40.51	+11 49.4	1.663	2.646	2.8	21.6
11 27	3 29.70	+11 37.0	1.691	2.659	5.1	21.8
12 7	3 20.07	+11 33.5	1.747	2.672	9.0	22.1
12 17	3 12.54	+11 40.5	1.829	2.683	12.7	22.3
12 27	3 7.65	+11 58.7	1.933	2.694	15.7	22.5

53048 1998 WR_{28} 11 19.0 252°.45 2°.0/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.64	+26 27.7	1.700	2.545	14.6	18.6
10 28	3 59.47	+26 9.5	1.619	2.535	10.9	18.3
11 7	3 50.77	+25 37.2	1.561	2.525	6.6	18.1
11 17	3 40.45	+24 51.1	1.529	2.514	2.5	17.8
11 27	3 29.84	+23 54.8	1.526	2.503	4.0	17.9
12 7	3 20.32	+22 54.1	1.550	2.492	8.5	18.1
12 17	3 12.99	+21 56.1	1.601	2.480	12.7	18.3
12 27	3 8.60	+21 7.0	1.673	2.469	16.3	18.6

351360 2005 CF_{2} 11 19.0 267°.22 6°.7/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.44	+ 2 10.7	1.826	2.677	13.4	20.8
10 28	3 58.25	+ 1 37.1	1.753	2.665	10.5	20.6
11 7	3 49.95	+ 1 12.6	1.704	2.653	7.8	20.4
11 17	3 40.31	+ 1 2.1	1.682	2.640	6.7	20.3
11 27	3 30.41	+ 1 9.3	1.688	2.627	8.2	20.4
12 7	3 21.38	+ 1 35.9	1.720	2.614	11.2	20.6
12 17	3 14.14	+ 2 21.1	1.776	2.601	14.3	20.7
12 27	3 9.36	+ 3 22.5	1.853	2.588	17.2	20.9

398017 2009 DG_{12} 11 19.0 254°.64 3°.9/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.86	+ 9 1.6	1.837	2.694	13.1	21.1
10 28	3 58.54	+ 8 47.4	1.765	2.688	9.7	20.9
11 7	3 50.10	+ 8 37.0	1.717	2.681	6.1	20.7
11 17	3 40.34	+ 8 33.2	1.697	2.675	3.9	20.5
11 27	3 30.34	+ 8 39.0	1.706	2.668	5.8	20.7
12 7	3 21.24	+ 8 56.1	1.742	2.661	9.4	20.9
12 17	3 13.98	+ 9 25.2	1.804	2.654	13.0	21.1
12 27	3 9.20	+10 6.0	1.887	2.647	16.1	21.3

278202 2007 EP_{30} 11 19.0 197°.37 1°.7/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.69	+16 20.7	1.835	2.691	13.2	21.9
10 28	3 59.14	+15 53.3	1.763	2.689	9.5	21.7
11 7	3 50.43	+15 22.0	1.716	2.686	5.4	21.5
11 17	3 40.39	+14 49.3	1.697	2.683	1.8	21.2
11 27	3 30.18	+14 19.0	1.707	2.679	4.4	21.4
12 7	3 20.96	+13 55.0	1.745	2.675	8.6	21.6
12 17	3 13.66	+13 40.6	1.809	2.671	12.4	21.9
12 27	3 8.93	+13 37.9	1.896	2.666	15.6	22.1

11210 1999 GP_{22} 11 19.0 162°.50 0°.6/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.00	+22 51.6	1.970	2.814	12.9	18.7
10 28	3 59.24	+22 31.0	1.901	2.819	9.4	18.5
11 7	3 50.42	+22 1.3	1.857	2.824	5.4	18.2
11 17	3 40.39	+21 23.8	1.841	2.828	1.2	18.0
11 27	3 30.28	+20 41.8	1.854	2.832	3.4	18.1
12 7	3 21.19	+19 59.7	1.897	2.835	7.5	18.4
12 17	3 14.01	+19 22.3	1.967	2.837	11.2	18.6
12 27	3 9.32	+18 53.4	2.060	2.839	14.3	18.8

515356 2013 CL_{110} 11 19.0 91°.98 7°.7/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.97	− 1 33.6	1.932	2.776	13.1	21.2
10 28	3 56.84	− 2 24.4	1.887	2.788	10.5	21.1
11 7	3 48.97	− 3 3.0	1.866	2.799	8.4	21.0
11 17	3 40.14	− 3 24.4	1.871	2.810	7.7	21.0
11 27	3 31.33	− 3 25.2	1.904	2.821	9.0	21.1
12 7	3 23.50	− 3 4.6	1.962	2.833	11.2	21.2
12 17	3 17.38	− 2 24.3	2.044	2.844	13.7	21.4
12 27	3 13.46	− 1 27.3	2.146	2.854	15.8	21.6

436383 2010 RC_{104} 11 19.0 235°.98 4°.7/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 10.23	+29 45.0	1.450	2.289	17.0	21.7
10 28	4 3.36	+30 18.7	1.376	2.284	13.1	21.5
11 7	3 53.23	+30 36.5	1.323	2.278	8.8	21.2
11 17	3 40.93	+30 35.0	1.296	2.272	5.1	21.0
11 27	3 28.15	+30 14.1	1.295	2.266	5.8	21.0
12 7	3 16.73	+29 38.7	1.321	2.260	9.9	21.2
12 17	3 8.11	+28 56.6	1.371	2.254	14.2	21.5
12 27	3 3.17	+28 16.6	1.442	2.247	18.0	21.7

212370 2006 GP_{40} 11 19.0 136°.85 1°.5/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 9.49	+16 46.7	1.593	2.450	14.8	20.8
10 28	4 1.98	+16 29.5	1.536	2.462	10.7	20.6
11 7	3 52.03	+16 8.2	1.503	2.473	6.0	20.3
11 17	3 40.68	+15 45.0	1.497	2.484	1.6	20.1
11 27	3 29.31	+15 23.5	1.519	2.494	4.6	20.3
12 7	3 19.25	+15 7.7	1.570	2.503	9.1	20.6
12 17	3 11.51	+15 0.7	1.647	2.512	13.2	20.9
12 27	3 6.71	+15 4.8	1.744	2.520	16.6	21.1

381129 2007 EL_{18} 11 19.0 181°.45 0°.6/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.81	+22 3.0	1.959	2.803	13.0	21.7
10 28	3 59.90	+21 54.6	1.885	2.804	9.5	21.4
11 7	3 50.85	+21 38.2	1.837	2.804	5.4	21.2
11 17	3 40.49	+21 14.5	1.817	2.804	1.2	20.9
11 27	3 29.97	+20 46.2	1.826	2.804	3.4	21.1
12 7	3 20.44	+20 17.2	1.865	2.803	7.6	21.3
12 17	3 12.83	+19 51.6	1.931	2.801	11.4	21.6
12 27	3 7.76	+19 33.2	2.020	2.798	14.5	21.8

144992 2005 EM_{182} 11 19.0 170°.46 1°.3/18.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 7.04	+18 9.2	1.876	2.727	13.2	21.3
10 28	4 0.00	+17 28.3	1.808	2.732	9.5	21.1
11 7	3 50.86	+16 41.2	1.766	2.736	5.3	20.9
11 17	3 40.49	+15 51.0	1.752	2.739	1.5	20.6
11 27	3 30.05	+15 2.0	1.767	2.741	4.2	20.8
12 7	3 20.68	+14 19.2	1.812	2.743	8.3	21.1
12 17	3 13.27	+13 46.4	1.884	2.743	12.1	21.3
12 27	3 8.40	+13 26.5	1.978	2.743	15.2	21.5

347532 1999 WO_{5} 11 19.0 48°.86 1°.4/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 8.12	+14 33.2	1.534	2.395	15.0	20.3
10 28	4 1.15	+15 0.7	1.478	2.405	10.8	20.0
11 7	3 51.65	+15 28.6	1.445	2.416	6.1	19.8
11 17	3 40.64	+15 56.8	1.439	2.427	1.6	19.5
11 27	3 29.51	+16 26.2	1.462	2.438	4.5	19.8
12 7	3 19.63	+16 57.8	1.512	2.449	9.1	20.1
12 17	3 12.08	+17 32.9	1.588	2.461	13.2	20.3
12 27	3 7.51	+18 12.9	1.685	2.472	16.6	20.6

92516 2000 ND_{25} 11 19.0 20°.15 5°.3/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 7.24	+31 38.1	1.186	2.038	19.2	17.7
10 28	4 1.47	+31 49.1	1.126	2.040	14.8	17.4
11 7	3 52.20	+31 37.6	1.086	2.042	10.0	17.2
11 17	3 40.76	+31 1.1	1.068	2.045	5.9	17.0
11 27	3 29.10	+30 2.5	1.075	2.049	6.3	17.0
12 7	3 19.20	+28 50.6	1.107	2.052	10.6	17.3
12 17	3 12.50	+27 36.3	1.162	2.057	15.2	17.5
12 27	3 9.72	+26 30.0	1.236	2.061	19.3	17.8

201784 2003 WS_{113} 11 19.0 330°.67 2°.7/20.4 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.86	+27 1.0	2.185	3.018	12.2	20.0
10 28	3 57.79	+27 28.5	2.107	3.015	9.2	19.8
11 7	3 49.70	+27 46.7	2.054	3.012	5.9	19.6
11 17	3 40.32	+27 54.5	2.028	3.008	3.0	19.4
11 27	3 30.67	+27 52.2	2.032	3.005	3.8	19.5
12 7	3 21.83	+27 42.3	2.065	3.003	7.0	19.7
12 17	3 14.70	+27 28.6	2.125	3.000	10.2	19.9
12 27	3 9.93	+27 15.3	2.208	2.997	13.1	20.1

75053 1999 UH_{54} 11 19.0 182°.56 1°.7/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.95	+25 40.6	1.918	2.759	13.3	19.8
10 28	3 58.64	+25 26.5	1.845	2.760	9.9	19.6
11 7	3 50.17	+25 0.8	1.796	2.760	5.9	19.3
11 17	3 40.39	+24 24.3	1.774	2.760	2.1	19.1
11 27	3 30.47	+23 39.9	1.782	2.759	3.5	19.2
12 7	3 21.57	+22 52.4	1.818	2.759	7.5	19.4
12 17	3 14.63	+22 7.2	1.881	2.758	11.3	19.7
12 27	3 10.26	+21 29.2	1.968	2.757	14.5	19.9

380342 2002 QN_{96} 11 19.1 20°.50 1°.7/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.70	+22 12.0	0.925	1.814	20.0	19.5
10 28	3 59.05	+22 34.5	0.884	1.824	14.6	19.3
11 7	3 50.85	+22 45.5	0.862	1.835	8.5	19.0
11 17	3 40.52	+22 44.6	0.861	1.849	2.4	18.7
11 27	3 30.16	+22 34.7	0.884	1.864	5.2	18.9
12 7	3 21.75	+22 21.7	0.929	1.880	11.1	19.3
12 17	3 16.65	+22 12.0	0.994	1.898	16.3	19.7
12 27	3 15.50	+22 10.6	1.078	1.917	20.5	20.0

401354 2013 BR_{4} 11 19.1 344°.67 13°.1/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.18	−14 16.8	1.732	2.541	15.9	20.6
10 28	3 57.30	−15 31.4	1.689	2.539	14.3	20.5
11 7	3 49.37	−16 22.0	1.667	2.538	13.2	20.4
11 17	3 40.27	−16 41.1	1.667	2.536	13.2	20.4
11 27	3 31.12	−16 24.7	1.690	2.535	14.1	20.5
12 7	3 23.02	−15 33.5	1.734	2.534	15.8	20.6
12 17	3 16.84	−14 11.9	1.798	2.533	17.6	20.7
12 27	3 13.13	−12 26.2	1.879	2.533	19.4	20.9

49534 1999 CO_{56} 11 19.1 332°.91 1°.3/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.31	+16 47.6	1.521	2.392	14.6	18.2
10 28	3 57.22	+16 41.6	1.447	2.379	10.6	18.0
11 7	3 49.61	+16 32.1	1.395	2.368	6.0	17.7
11 17	3 40.35	+16 21.0	1.369	2.357	1.5	17.3
11 27	3 30.73	+16 11.4	1.370	2.346	4.6	17.5
12 7	3 22.12	+16 6.7	1.397	2.337	9.4	17.8
12 17	3 15.65	+16 10.2	1.449	2.328	13.8	18.0
12 27	3 12.10	+16 24.1	1.521	2.320	17.5	18.3

432717 2011 CW_{60} 11 19.1 186°.48 2°.3/17.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.98	+14 52.7	1.881	2.736	13.0	22.5
10 28	3 59.29	+14 16.8	1.811	2.736	9.4	22.3
11 7	3 50.51	+13 38.1	1.766	2.735	5.4	22.1
11 17	3 40.48	+12 59.6	1.749	2.734	2.3	21.9
11 27	3 30.32	+12 25.4	1.762	2.732	4.7	22.0
12 7	3 21.14	+11 59.6	1.804	2.730	8.7	22.3
12 17	3 13.84	+11 44.9	1.871	2.727	12.4	22.5
12 27	3 9.03	+11 43.1	1.961	2.723	15.5	22.7

83013 2001 QJ_{169} 11 19.1 359°.47 0°.8/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.59	+17 47.5	1.686	2.549	13.8	19.4
10 28	3 57.84	+17 42.7	1.619	2.548	10.0	19.1
11 7	3 49.81	+17 33.6	1.576	2.547	5.6	18.9
11 17	3 40.38	+17 21.9	1.559	2.547	1.2	18.6
11 27	3 30.75	+17 10.3	1.571	2.547	4.0	18.8
12 7	3 22.16	+17 2.0	1.609	2.548	8.5	19.0
12 17	3 15.59	+17 0.1	1.674	2.548	12.5	19.3
12 27	3 11.69	+17 7.0	1.759	2.549	15.9	19.5

335006 2004 HK_{8} 11 19.1 110°.01 0°.1/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 9.49	+19 18.1	1.744	2.594	14.1	21.0
10 28	4 1.82	+19 22.3	1.691	2.613	10.1	20.8
11 7	3 51.90	+19 20.8	1.663	2.632	5.7	20.6
11 17	3 40.72	+19 14.6	1.662	2.650	1.0	20.3
11 27	3 29.56	+19 5.6	1.691	2.667	3.7	20.5
12 7	3 19.67	+18 57.3	1.748	2.685	8.1	20.8
12 17	3 11.96	+18 52.8	1.832	2.701	11.9	21.1
12 27	3 7.02	+18 55.2	1.939	2.717	15.0	21.3

158126 2001 EU_{4} 11 19.1 150°.51 6°.2/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.89	+ 0 26.6	2.420	3.264	10.8	20.3
10 28	3 54.46	− 0 31.1	2.364	3.267	8.6	20.1
11 7	3 47.63	− 1 20.9	2.334	3.270	6.7	20.0
11 17	3 39.98	− 1 58.4	2.332	3.274	6.2	20.0
11 27	3 32.30	− 2 20.0	2.358	3.276	7.4	20.1
12 7	3 25.32	− 2 24.1	2.410	3.279	9.5	20.2
12 17	3 19.65	− 2 10.7	2.488	3.282	11.7	20.4
12 27	3 15.77	− 1 41.4	2.587	3.284	13.7	20.5

75054 1999 UQ_{57} 11 19.1 81°.82 1°.2/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 10.13	+16 53.7	1.379	2.241	16.3	19.0
10 28	4 2.61	+16 52.6	1.334	2.263	11.7	18.8
11 7	3 52.43	+16 47.7	1.313	2.284	6.5	18.6
11 17	3 40.82	+16 40.5	1.318	2.306	1.5	18.3
11 27	3 29.31	+16 34.1	1.350	2.326	4.7	18.6
12 7	3 19.40	+16 31.9	1.410	2.347	9.6	18.9
12 17	3 12.11	+16 36.8	1.494	2.368	13.8	19.2
12 27	3 8.01	+16 51.0	1.599	2.387	17.3	19.5

137571 1999 VT_{110} 11 19.1 317°.92 0°.7/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.66	+21 11.2	1.260	2.135	16.7	20.3
10 28	3 57.91	+20 23.4	1.187	2.122	12.2	20.0
11 7	3 50.17	+19 22.2	1.135	2.108	6.9	19.7
11 17	3 40.48	+18 11.3	1.107	2.095	1.2	19.3
11 27	3 30.42	+16 57.7	1.105	2.083	5.0	19.5
12 7	3 21.63	+15 50.3	1.128	2.071	10.7	19.8
12 17	3 15.44	+14 56.8	1.174	2.060	15.8	20.1
12 27	3 12.65	+14 22.2	1.239	2.049	20.1	20.3

96334 1997 HH_{3} 11 19.1 291°.81 5°.5/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 21.43	+22 48.1	1.090	1.944	20.3	18.2
10 28	4 12.88	+25 10.2	1.018	1.937	15.5	17.9
11 7	3 59.46	+27 33.2	0.968	1.930	10.0	17.6
11 17	3 42.22	+29 44.4	0.944	1.923	5.7	17.4
11 27	3 23.50	+31 31.6	0.946	1.916	7.7	17.4
12 7	3 6.23	+32 50.5	0.975	1.910	13.1	17.7
12 17	2 52.87	+33 45.6	1.027	1.903	18.4	18.0
12 27	2 44.85	+34 26.9	1.097	1.897	22.9	18.3

178675 2000 QB_{200} 11 19.1 30°.68 0°.0/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.48	+19 47.7	1.435	2.304	15.4	19.5
10 28	3 57.86	+19 48.2	1.389	2.320	11.1	19.3
11 7	3 49.81	+19 42.3	1.365	2.337	6.2	19.1
11 17	3 40.38	+19 31.2	1.367	2.355	1.1	18.8
11 27	3 30.98	+19 17.9	1.396	2.375	4.0	19.1
12 7	3 22.93	+19 6.3	1.451	2.394	8.8	19.4
12 17	3 17.21	+19 0.2	1.531	2.415	12.9	19.7
12 27	3 14.39	+19 2.2	1.632	2.436	16.3	20.0

3398 Stättmayer 11 19.1 326°.82 4°.2/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 15.45	+ 5 17.1	1.090	1.956	19.4	16.0
10 28	4 8.17	+ 6 46.1	1.005	1.931	14.8	15.7
11 7	3 56.64	+ 8 40.3	0.940	1.907	9.3	15.3
11 17	3 41.73	+10 59.4	0.901	1.885	4.4	14.9
11 27	3 25.36	+13 37.4	0.889	1.863	7.0	15.0
12 7	3 9.97	+16 24.4	0.904	1.843	13.3	15.3
12 17	2 57.73	+19 10.9	0.944	1.824	19.3	15.6
12 27	2 50.11	+21 51.9	1.002	1.807	24.2	15.8

393171 2013 CD_{49} 11 19.1 120°.92 1°.0/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.49	+17 44.3	1.889	2.745	12.9	20.8
10 28	3 58.21	+17 28.7	1.825	2.751	9.3	20.6
11 7	3 49.90	+17 8.8	1.786	2.757	5.2	20.4
11 17	3 40.41	+16 46.5	1.775	2.763	1.2	20.1
11 27	3 30.82	+16 24.7	1.793	2.769	3.8	20.3
12 7	3 22.24	+16 7.0	1.840	2.774	7.9	20.6
12 17	3 15.51	+15 56.3	1.912	2.780	11.6	20.8
12 27	3 11.23	+15 54.8	2.007	2.785	14.6	21.1

444530 2006 SV_{156} 11 19.1 329°.94 0°.7/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 2.82	+19 18.1	1.814	2.672	13.2	21.5
10 28	3 57.15	+18 51.8	1.744	2.671	9.5	21.3
11 7	3 49.38	+18 19.0	1.698	2.669	5.3	21.0
11 17	3 40.33	+17 42.1	1.680	2.668	1.0	20.7
11 27	3 31.13	+17 4.6	1.690	2.666	3.8	20.9
12 7	3 22.91	+16 31.2	1.728	2.665	8.1	21.2
12 17	3 16.58	+16 5.7	1.792	2.664	12.0	21.4
12 27	3 12.74	+15 51.1	1.879	2.663	15.2	21.6

515028 2009 TW_{27} 11 19.1 3°.22 3°.1/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.96	+12 57.9	0.967	1.862	18.8	19.7
10 28	3 57.75	+13 4.5	0.916	1.860	13.7	19.4
11 7	3 50.20	+13 13.7	0.884	1.859	8.0	19.1
11 17	3 40.51	+13 28.2	0.874	1.860	3.2	18.9
11 27	3 30.53	+13 50.8	0.887	1.864	6.4	19.1
12 7	3 22.17	+14 23.5	0.923	1.868	12.1	19.4
12 17	3 16.82	+15 7.0	0.979	1.875	17.3	19.7
12 27	3 15.27	+16 1.0	1.053	1.884	21.6	20.0

370509 2003 SY_{160} 11 19.1 36°.49 2°.2/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 7.43	+23 44.6	1.039	1.915	19.4	20.7
10 28	4 1.54	+24 4.5	0.996	1.928	14.3	20.4
11 7	3 52.19	+24 11.3	0.972	1.942	8.5	20.2
11 17	3 40.83	+24 4.1	0.971	1.957	2.9	19.9
11 27	3 29.47	+23 45.9	0.994	1.973	5.1	20.1
12 7	3 20.04	+23 23.0	1.042	1.990	10.6	20.5
12 17	3 13.85	+23 2.5	1.111	2.008	15.6	20.8
12 27	3 11.55	+22 50.0	1.199	2.026	19.7	21.1

438096 2005 CX_{23} 11 19.1 154°.33 21°.4/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 15.12	−29 40.1	1.390	2.120	22.8	21.0
10 28	4 6.25	−31 55.4	1.380	2.132	21.8	21.0
11 7	3 54.49	−33 25.2	1.385	2.142	21.4	21.0
11 17	3 41.21	−33 59.7	1.407	2.151	21.5	21.1
11 27	3 28.21	−33 35.7	1.443	2.159	22.2	21.1
12 7	3 17.10	−32 18.0	1.495	2.166	23.1	21.2
12 17	3 8.96	−30 16.4	1.559	2.171	24.2	21.4
12 27	3 4.31	−27 42.6	1.633	2.175	25.2	21.5

58205 1992 EX_{12} 11 19.1 247°.65 0°.1/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.62	+20 42.1	1.713	2.568	14.0	20.0
10 28	3 59.44	+20 21.5	1.633	2.558	10.2	19.8
11 7	3 50.82	+19 52.4	1.577	2.547	5.8	19.5
11 17	3 40.64	+19 16.6	1.548	2.536	1.0	19.1
11 27	3 30.16	+18 37.6	1.548	2.525	3.9	19.3
12 7	3 20.68	+18 0.3	1.575	2.513	8.7	19.6
12 17	3 13.27	+17 29.7	1.628	2.502	12.9	19.8
12 27	3 8.66	+17 9.9	1.703	2.490	16.5	20.0

452017 2014 OO_{117} 11 19.1 319°.29 1°.5/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.31	+16 26.4	1.955	2.813	12.4	21.3
10 28	3 56.66	+16 4.3	1.884	2.811	8.9	21.1
11 7	3 49.08	+15 38.9	1.839	2.810	5.0	20.9
11 17	3 40.32	+15 12.4	1.821	2.808	1.6	20.6
11 27	3 31.41	+14 48.1	1.832	2.806	4.0	20.8
12 7	3 23.38	+14 29.4	1.872	2.805	7.9	21.1
12 17	3 17.07	+14 19.0	1.937	2.803	11.5	21.3
12 27	3 13.07	+14 19.0	2.025	2.802	14.6	21.5

28130 Troemper 11 19.1 326°.16 1°.2/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.06	+21 56.3	1.283	2.152	16.8	18.2
10 28	3 59.76	+22 9.3	1.210	2.141	12.4	17.9
11 7	3 51.32	+22 13.2	1.159	2.130	7.3	17.6
11 17	3 40.76	+22 7.8	1.132	2.119	1.9	17.2
11 27	3 29.70	+21 55.1	1.130	2.109	4.6	17.4
12 7	3 19.88	+21 39.6	1.154	2.100	10.1	17.7
12 17	3 12.75	+21 26.8	1.201	2.092	15.2	17.9
12 27	3 9.18	+21 21.9	1.267	2.084	19.4	18.2

214913 2007 TL_{240} 11 19.1 92°.73 0°.4/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.85	+21 14.2	1.782	2.634	13.7	20.5
10 28	3 59.31	+21 10.6	1.723	2.645	9.9	20.3
11 7	3 50.58	+20 59.6	1.688	2.657	5.6	20.1
11 17	3 40.59	+20 42.3	1.680	2.668	1.1	19.8
11 27	3 30.54	+20 21.2	1.702	2.679	3.6	20.0
12 7	3 21.62	+20 0.2	1.751	2.690	7.8	20.3
12 17	3 14.75	+19 43.1	1.827	2.701	11.7	20.6
12 27	3 10.50	+19 33.4	1.925	2.712	14.8	20.8

207163 2005 CW_{47} 11 19.1 314°.58 5°.2/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.85	+ 9 12.6	1.499	2.372	14.6	19.9
10 28	3 56.87	+ 8 21.7	1.425	2.356	10.9	19.6
11 7	3 49.45	+ 7 32.8	1.374	2.340	7.2	19.4
11 17	3 40.42	+ 6 51.3	1.349	2.324	5.2	19.2
11 27	3 31.05	+ 6 23.5	1.350	2.309	7.5	19.3
12 7	3 22.66	+ 6 13.4	1.376	2.294	11.5	19.5
12 17	3 16.34	+ 6 23.1	1.425	2.280	15.5	19.7
12 27	3 12.84	+ 6 51.9	1.493	2.267	19.0	19.9

402140 2004 QX_3 11 19.1 94°.32 8°.2/24.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 10.32	+44 59.3	2.217	2.967	14.7	21.1
10 28	4 2.81	+45 46.2	2.153	2.980	12.5	21.0
11 7	3 52.69	+46 11.4	2.111	2.993	10.3	20.9
11 17	3 40.97	+46 10.9	2.092	3.005	8.7	20.8
11 27	3 29.09	+45 44.0	2.101	3.018	8.3	20.8
12 7	3 18.49	+44 54.6	2.136	3.030	9.3	20.9
12 17	3 10.27	+43 49.6	2.196	3.043	11.1	21.0
12 27	3 5.11	+42 37.4	2.280	3.055	13.2	21.2

520489 2014 KT_{111} 11 19.1 233°.24 2°.7/17.2 18

10 18	4 2.92	+14 31.2	2.182	3.036	11.4	21.7
10 28	3 56.96	+13 25.8	2.100	3.024	8.3	21.5
11 7	3 49.21	+12 16.2	2.043	3.011	4.9	21.3
11 17	3 40.37	+11 6.5	2.016	2.998	2.7	21.1
11 27	3 31.34	+10 1.7	2.019	2.984	4.8	21.2
12 7	3 23.07	+ 9 6.9	2.051	2.969	8.3	21.4
12 17	3 16.35	+ 8 25.4	2.110	2.954	11.6	21.6
12 27	3 11.75	+ 7 59.4	2.192	2.939	14.5	21.8

273480 2006 YJ_{23} 11 19.1 258°.04 0°.5/18.9 18

10 18	4 6.94	+18 51.2	1.667	2.523	14.3	21.4
10 28	4 0.54	+18 43.9	1.583	2.508	10.4	21.2
11 7	3 51.55	+18 30.7	1.522	2.492	5.9	20.9
11 17	3 40.81	+18 12.8	1.488	2.476	1.1	20.5
11 27	3 29.64	+17 53.1	1.483	2.460	4.2	20.7
12 7	3 19.41	+17 35.3	1.506	2.443	9.1	20.9
12 17	3 11.30	+17 23.8	1.554	2.426	13.5	21.2
12 27	3 6.13	+17 21.8	1.623	2.408	17.2	21.4

81340 2000 GL_{38} 11 19.1 298°.63 2°.1/17.9 18

10 18	4 2.27	+15 58.3	1.724	2.589	13.4	19.4
10 28	3 56.99	+15 22.3	1.643	2.573	9.8	19.2
11 7	3 49.44	+14 41.9	1.586	2.557	5.6	18.9
11 17	3 40.43	+14 0.2	1.556	2.541	2.2	18.6
11 27	3 31.11	+13 21.8	1.553	2.526	4.8	18.8
12 7	3 22.67	+12 51.4	1.578	2.511	9.2	19.0
12 17	3 16.13	+12 32.8	1.628	2.495	13.3	19.2
12 27	3 12.20	+12 28.2	1.700	2.481	16.7	19.4

414363 2008 TU_{149} 11 19.1 92°.06 3°.1/20.9 18

10 18	4 4.92	+29 15.4	2.403	3.223	11.7	21.5
10 28	3 58.36	+29 40.8	2.337	3.235	8.9	21.3
11 7	3 49.98	+29 55.8	2.297	3.248	5.9	21.1
11 17	3 40.51	+29 59.1	2.284	3.260	3.4	21.0
11 27	3 30.93	+29 51.4	2.302	3.271	3.8	21.0
12 7	3 22.21	+29 35.5	2.349	3.283	6.4	21.2
12 17	3 15.13	+29 15.0	2.423	3.295	9.3	21.4
12 27	3 10.25	+28 54.3	2.523	3.306	11.8	21.6

176811 2002 TW_{54} 11 19.1 16°.75 0°.2/19.2 18

10 18	4 0.46	+23 43.7	1.318	2.190	16.3	19.0
10 28	3 55.96	+22 46.1	1.264	2.197	11.8	18.7
11 7	3 48.87	+21 34.1	1.232	2.204	6.7	18.5
11 17	3 40.32	+20 12.1	1.225	2.213	1.2	18.1
11 27	3 31.77	+18 47.8	1.244	2.223	4.3	18.4
12 7	3 24.63	+17 29.8	1.289	2.234	9.4	18.7
12 17	3 19.89	+16 25.4	1.357	2.245	14.0	19.0
12 27	3 18.13	+15 38.9	1.447	2.258	17.7	19.3

409114 2003 TP_{44} 11 19.1 31°.30 0°.4/19.4 18

10 18	4 0.77	+23 30.6	1.928	2.781	12.8	20.4
10 28	3 55.54	+22 47.1	1.865	2.788	9.3	20.2
11 7	3 48.43	+21 53.5	1.827	2.796	5.3	20.0
11 17	3 40.25	+20 52.3	1.816	2.804	1.1	19.7
11 27	3 32.06	+19 48.2	1.834	2.812	3.3	19.9
12 7	3 24.86	+18 46.5	1.881	2.821	7.3	20.2
12 17	3 19.44	+17 52.4	1.954	2.830	10.9	20.4
12 27	3 16.32	+17 9.6	2.051	2.840	14.0	20.6

16110 Paganetti 11 19.1 62°.60 3°.7/17.7 18

10 18	4 6.85	+12 48.6	1.269	2.143	16.7	17.5
10 28	4 0.40	+12 13.0	1.227	2.160	12.0	17.2
11 7	3 51.29	+11 37.8	1.207	2.177	7.1	17.0
11 17	3 40.75	+11 7.5	1.211	2.194	3.7	16.9
11 27	3 30.31	+10 47.2	1.242	2.212	6.3	17.1
12 7	3 21.43	+10 40.5	1.299	2.230	10.9	17.4
12 17	3 15.14	+10 49.0	1.379	2.247	15.1	17.7
12 27	3 12.00	+11 12.5	1.478	2.265	18.5	18.0

269818 1999 VX_{211} 11 19.1 355°.61 0°.2/19.0 17

10 18	4 0.69	+19 27.8	1.519	2.389	14.6	21.1
10 28	3 56.05	+19 24.8	1.452	2.384	10.6	20.9
11 7	3 48.98	+19 15.7	1.408	2.380	6.0	20.6
11 17	3 40.38	+19 2.0	1.389	2.377	1.0	20.3
11 27	3 31.53	+18 46.6	1.396	2.375	4.0	20.5
12 7	3 23.75	+18 33.4	1.430	2.374	8.8	20.8
12 17	3 18.10	+18 26.1	1.489	2.374	13.1	21.0
12 27	3 15.26	+18 27.8	1.568	2.375	16.7	21.2

448884 2011 UW_{252} 11 19.1 151°.80 1°.4/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 2.97	+17 10.4	2.084	2.938	11.9	21.5
10 28	3 56.99	+16 34.0	2.017	2.942	8.5	21.3
11 7	3 49.21	+15 53.2	1.976	2.946	4.8	21.0
11 17	3 40.40	+15 10.9	1.963	2.950	1.5	20.8
11 27	3 31.52	+14 30.7	1.980	2.954	3.9	21.0
12 7	3 23.52	+13 56.6	2.026	2.957	7.6	21.2
12 17	3 17.17	+13 31.6	2.099	2.960	11.0	21.5
12 27	3 13.02	+13 17.8	2.195	2.962	13.8	21.7

91958 1999 VM_{79} 11 19.1 106°.04 4°.4/21.8 18

10 18	4 5.52	+33 37.0	2.245	3.053	12.8	19.6
10 28	3 58.99	+33 56.3	2.176	3.061	10.0	19.5
11 7	3 50.41	+34 1.2	2.130	3.070	7.1	19.3
11 17	3 40.62	+33 50.0	2.112	3.078	4.8	19.2
11 27	3 30.70	+33 23.7	2.123	3.086	4.8	19.2
12 7	3 21.75	+32 45.9	2.162	3.094	7.1	19.4
12 17	3 14.66	+32 1.9	2.229	3.101	9.9	19.5
12 27	3 10.00	+31 17.3	2.320	3.109	12.5	19.7

164893 1999 VV_{106} 11 19.1 299°.04 0°.6/18.8 18

10 18	4 3.48	+19 54.0	1.707	2.566	13.8	20.3
10 28	3 57.81	+19 25.6	1.635	2.562	10.0	20.1
11 7	3 49.88	+18 49.6	1.587	2.558	5.6	19.8
11 17	3 40.54	+18 8.3	1.566	2.554	1.0	19.5
11 27	3 31.01	+17 25.8	1.573	2.550	4.0	19.7
12 7	3 22.51	+16 47.1	1.607	2.546	8.5	19.9
12 17	3 16.01	+16 16.9	1.668	2.542	12.6	20.2
12 27	3 12.18	+15 58.3	1.749	2.538	16.0	20.4

396951 2005 LA_{26} 11 19.1 67°.67 5°.4/16.5 18

10 18	4 3.34	+ 6 28.7	1.749	2.610	13.5	20.7
10 28	3 57.30	+ 5 41.6	1.705	2.627	10.1	20.5
11 7	3 49.37	+ 5 0.5	1.686	2.644	6.9	20.4
11 17	3 40.43	+ 4 30.0	1.694	2.662	5.4	20.3
11 27	3 31.55	+ 4 14.2	1.729	2.679	7.1	20.4
12 7	3 23.77	+ 4 15.1	1.791	2.696	10.1	20.7
12 17	3 17.85	+ 4 32.5	1.877	2.714	13.2	20.9
12 27	3 14.31	+ 5 5.1	1.984	2.731	15.8	21.1

389737 2011 SK_{110} 11 19.1 179°.92 5°.1/21.7 18

10 18	4 9.16	+34 6.6	2.086	2.891	13.7	20.8
10 28	4 1.89	+34 40.4	2.009	2.892	10.9	20.6
11 7	3 52.20	+34 59.0	1.956	2.893	7.8	20.4
11 17	3 40.97	+34 59.5	1.930	2.893	5.5	20.3
11 27	3 29.45	+34 41.7	1.933	2.893	5.6	20.3
12 7	3 18.95	+34 9.2	1.964	2.892	8.0	20.4
12 17	3 10.55	+33 27.6	2.022	2.891	11.0	20.6
12 27	3 4.95	+32 43.8	2.104	2.890	13.8	20.8

515039 2009 YW_{19} 11 19.1 260°.89 3°.3/17.5 18

10 18	4 5.06	+12 14.5	1.763	2.623	13.4	22.4
10 28	3 58.98	+11 41.7	1.681	2.607	9.8	22.1
11 7	3 50.59	+11 8.1	1.623	2.591	6.0	21.9
11 17	3 40.70	+10 37.5	1.592	2.573	3.3	21.7
11 27	3 30.45	+10 13.9	1.590	2.556	5.6	21.8
12 7	3 21.06	+10 1.3	1.615	2.538	9.7	22.0
12 17	3 13.57	+10 2.0	1.665	2.520	13.6	22.2
12 27	3 8.70	+10 17.2	1.737	2.502	17.0	22.4

159259 2005 YY_{165} 11 19.1 46°.19 0°.6/19.3 18

10 18	4 6.43	+21 4.6	1.398	2.262	16.0	20.3
10 28	4 0.24	+21 7.9	1.343	2.271	11.7	20.0
11 7	3 51.34	+21 3.1	1.309	2.280	6.7	19.8
11 17	3 40.81	+20 50.8	1.301	2.289	1.4	19.5
11 27	3 30.18	+20 33.8	1.320	2.299	4.2	19.7
12 7	3 20.93	+20 16.7	1.365	2.309	9.2	20.0
12 17	3 14.20	+20 4.0	1.435	2.319	13.6	20.3
12 27	3 10.64	+19 59.7	1.525	2.329	17.3	20.6

459311 2012 GF_{33} 11 19.1 145°.82 4°.7/14.9 18

10 18	3 59.65	+ 6 3.0	2.666	3.516	9.8	21.3
10 28	3 54.23	+ 4 38.0	2.609	3.522	7.4	21.2
11 7	3 47.53	+ 3 15.9	2.578	3.528	5.3	21.0
11 17	3 40.14	+ 2 1.6	2.578	3.534	4.7	21.0
11 27	3 32.72	+ 0 59.3	2.607	3.540	6.1	21.1
12 7	3 25.97	+ 0 12.2	2.666	3.546	8.3	21.3
12 17	3 20.43	− 0 18.3	2.750	3.551	10.5	21.4
12 27	3 16.52	− 0 32.3	2.857	3.556	12.5	21.6

322261 2011 EJ_7 11 19.1 123°.69 1°.8/17.8 18

10 18	4 0.44	+14 34.6	2.589	3.441	9.9	21.0
10 28	3 54.87	+14 2.9	2.527	3.450	7.1	20.8
11 7	3 47.93	+13 29.7	2.490	3.459	4.1	20.6
11 17	3 40.21	+12 57.3	2.484	3.468	1.9	20.5
11 27	3 32.46	+12 28.5	2.507	3.476	3.6	20.6
12 7	3 25.41	+12 6.0	2.560	3.485	6.5	20.8
12 17	3 19.65	+11 51.6	2.641	3.493	9.3	21.0
12 27	3 15.63	+11 46.6	2.746	3.501	11.7	21.2

21777 1999 RS_{221} 11 19.1 272°.06 2°.5/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 2.77	+28 54.7	2.150	2.981	12.5	18.7
10 28	3 57.02	+28 39.2	2.072	2.978	9.4	18.5
11 7	3 49.33	+28 10.7	2.019	2.976	6.0	18.3
11 17	3 40.47	+27 29.7	1.993	2.973	2.9	18.1
11 27	3 31.48	+26 38.6	1.996	2.971	3.6	18.1
12 7	3 23.39	+25 42.1	2.028	2.969	6.9	18.3
12 17	3 17.04	+24 45.6	2.088	2.966	10.2	18.5
12 27	3 13.01	+23 54.4	2.172	2.964	13.2	18.7

363719 2004 VW_{47} 11 19.1 43°.71 2°.7/18.1 18

10 18	4 4.41	+11 50.2	1.774	2.635	13.3	19.3
10 28	3 58.16	+11 52.5	1.725	2.652	9.6	19.1
11 7	3 49.92	+11 56.7	1.701	2.670	5.6	18.9
11 17	3 40.57	+12 4.6	1.704	2.688	2.7	18.8
11 27	3 31.23	+12 18.0	1.736	2.706	4.7	19.0
12 7	3 22.97	+12 38.4	1.796	2.725	8.5	19.2
12 17	3 16.62	+13 6.4	1.881	2.744	11.9	19.5
12 27	3 12.72	+13 42.3	1.989	2.764	14.8	19.7

199735 2006 HF_{111} 11 19.1 172°.61 3°.6/16.4 18

10 18	3 59.36	+ 8 42.8	2.638	3.491	9.8	20.8
10 28	3 54.10	+ 7 54.0	2.572	3.492	7.2	20.6
11 7	3 47.51	+ 7 7.0	2.533	3.493	4.7	20.4
11 17	3 40.16	+ 6 25.1	2.523	3.494	3.6	20.4
11 27	3 32.74	+ 5 51.7	2.543	3.495	5.0	20.5
12 7	3 25.96	+ 5 29.3	2.592	3.496	7.5	20.6
12 17	3 20.38	+ 5 19.2	2.667	3.496	10.0	20.8
12 27	3 16.47	+ 5 21.6	2.766	3.496	12.2	21.0

379643 2011 ET_{6} 11 19.1 309°.96 1°.3/19.6 18

10 18	4 4.39	+23 35.2	1.269	2.138	17.0	21.6
10 28	3 59.46	+23 26.0	1.189	2.118	12.7	21.3
11 7	3 51.30	+23 3.6	1.129	2.099	7.5	20.9
11 17	3 40.91	+22 28.2	1.093	2.080	2.1	20.5
11 27	3 29.90	+21 43.4	1.082	2.062	4.7	20.6
12 7	3 20.08	+20 55.9	1.097	2.044	10.4	20.9
12 17	3 12.95	+20 13.7	1.134	2.026	15.8	21.2
12 27	3 9.47	+19 43.3	1.191	2.010	20.3	21.4

78897 2003 SB_{58} 11 19.1 319°.58 5°.4/21.2 18

10 18	4 9.70	+31 52.6	1.748	2.570	15.3	19.5
10 28	4 2.72	+32 49.0	1.675	2.569	12.0	19.3
11 7	3 52.89	+33 31.0	1.625	2.569	8.5	19.1
11 17	3 41.16	+33 54.6	1.601	2.568	5.8	18.9
11 27	3 29.00	+33 58.5	1.604	2.567	6.1	18.9
12 7	3 17.97	+33 45.4	1.635	2.567	9.0	19.1
12 17	3 9.34	+33 21.5	1.692	2.566	12.5	19.3
12 27	3 3.93	+32 54.0	1.771	2.566	15.6	19.5

435533 2008 LA_{1} 11 19.1 197°.21 4°.9/16.9 18

10 18	4 5.82	+ 9 4.0	1.605	2.468	14.4	22.0
10 28	3 59.50	+ 8 20.2	1.542	2.467	10.7	21.8
11 7	3 50.85	+ 7 39.2	1.502	2.465	6.9	21.6
11 17	3 40.79	+ 7 5.9	1.488	2.464	4.9	21.4
11 27	3 30.57	+ 6 45.2	1.503	2.462	6.9	21.6
12 7	3 21.44	+ 6 40.3	1.544	2.460	10.7	21.8
12 17	3 14.39	+ 6 52.4	1.609	2.457	14.4	22.0
12 27	3 10.09	+ 7 20.9	1.694	2.454	17.6	22.2

413163 2002 LB_{59} 11 19.1 154°.83 3°.8/16.8 18

10 18	4 2.02	+ 5 57.7	2.737	3.580	9.7	21.3
10 28	3 55.94	+ 5 36.7	2.674	3.587	7.3	21.1
11 7	3 48.53	+ 5 20.0	2.639	3.593	4.9	21.0
11 17	3 40.36	+ 5 10.0	2.632	3.599	3.8	20.9
11 27	3 32.15	+ 5 8.9	2.656	3.605	5.0	21.0
12 7	3 24.58	+ 5 17.8	2.709	3.610	7.3	21.2
12 17	3 18.23	+ 5 37.2	2.790	3.614	9.7	21.4
12 27	3 13.54	+ 6 6.6	2.894	3.619	11.8	21.5

223455 2003 UT_{7} 11 19.1 69°.08 0°.5/18.8 18

10 18	4 1.49	+19 15.1	2.194	3.046	11.5	21.0
10 28	3 55.91	+18 54.1	2.129	3.053	8.2	20.8
11 7	3 48.64	+18 28.0	2.089	3.059	4.6	20.6
11 17	3 40.39	+17 58.7	2.078	3.066	0.9	20.4
11 27	3 32.07	+17 29.1	2.096	3.073	3.2	20.6
12 7	3 24.59	+17 2.4	2.144	3.080	6.9	20.8
12 17	3 18.66	+16 41.6	2.218	3.086	10.2	21.0
12 27	3 14.80	+16 29.2	2.316	3.093	12.9	21.2

89249 2001 UA_{171} 11 19.1 193°.62 1°.1/19.7 18 R

10 18	4 7.12	+23 40.0	1.938	2.780	13.2	20.0
10 28	4 0.31	+23 33.2	1.862	2.778	9.7	19.8
11 7	3 51.28	+23 16.9	1.811	2.776	5.7	19.6
11 17	3 40.88	+22 51.6	1.787	2.773	1.7	19.3
11 27	3 30.27	+22 19.7	1.793	2.770	3.5	19.4
12 7	3 20.64	+21 45.4	1.828	2.766	7.6	19.7
12 17	3 12.96	+21 13.4	1.889	2.762	11.4	19.9
12 27	3 7.89	+20 48.2	1.974	2.757	14.7	20.1

481169 2005 UB_{229} 11 19.1 118°.79 1°.9/17.9 18

	h m	° ′			°	m
10 18	4 1.29	+17 0.2	2.076	2.934	11.8	21.4
10 28	3 55.82	+16 3.0	2.009	2.935	8.5	21.2
11 7	3 48.61	+15 0.8	1.966	2.937	4.8	21.0
11 17	3 40.39	+13 57.2	1.953	2.938	1.9	20.8
11 27	3 32.11	+12 57.2	1.969	2.940	4.2	21.0
12 7	3 24.70	+12 5.3	2.013	2.941	7.8	21.2
12 17	3 18.88	+11 25.2	2.085	2.942	11.2	21.4
12 27	3 15.20	+10 59.1	2.178	2.944	14.0	21.6

515643 2014 MH_{64} 11 19.1 118°.27 1°.6/20.3 18

10 18	4 4.11	+26 46.2	2.437	3.266	11.3	22.0
10 28	3 57.62	+26 26.9	2.375	3.282	8.3	21.8
11 7	3 49.53	+25 57.4	2.338	3.298	5.1	21.7
11 17	3 40.55	+25 18.9	2.330	3.314	2.0	21.5
11 27	3 31.59	+24 33.8	2.353	3.329	2.9	21.6
12 7	3 23.53	+23 46.1	2.406	3.344	6.1	21.8
12 17	3 17.05	+23 0.1	2.487	3.358	9.1	22.0
12 27	3 12.63	+22 19.6	2.593	3.372	11.6	22.2

47055 1998 XH_{5} 11 19.1 305°.76 5°.0/16.4 18

10 18	4 0.95	+ 4 30.4	2.234	3.086	11.3	17.5
10 28	3 55.50	+ 3 59.8	2.166	3.081	8.6	17.3
11 7	3 48.42	+ 3 35.2	2.123	3.076	6.1	17.2
11 17	3 40.37	+ 3 20.1	2.108	3.071	5.0	17.1
11 27	3 32.19	+ 3 17.5	2.122	3.067	6.4	17.2
12 7	3 24.72	+ 3 29.1	2.163	3.062	9.0	17.3
12 17	3 18.67	+ 3 54.9	2.230	3.058	11.7	17.5
12 27	3 14.57	+ 4 34.0	2.319	3.054	14.1	17.7

271269 2003 UG_{183} 11 19.1 336°.96 3°.6/20.1 17

10 18	4 6.28	+25 42.7	1.744	2.589	14.3	19.6
10 28	4 0.28	+26 48.4	1.661	2.574	10.9	19.3
11 7	3 51.59	+27 47.2	1.601	2.560	7.0	19.1
11 17	3 40.99	+28 35.5	1.568	2.547	3.8	18.9
11 27	3 29.78	+29 11.2	1.563	2.535	4.8	18.9
12 7	3 19.40	+29 35.1	1.586	2.524	8.6	19.1
12 17	3 11.12	+29 50.6	1.634	2.513	12.5	19.3
12 27	3 5.86	+30 2.5	1.704	2.504	15.9	19.5

322422 2011 SV_{131} 11 19.1 72°.88 2°.5/17.8 15

10 18	4 4.21	+15 3.2	1.717	2.579	13.6	21.0
10 28	3 58.02	+14 17.4	1.670	2.599	9.7	20.8
11 7	3 49.84	+13 29.2	1.648	2.618	5.6	20.6
11 17	3 40.61	+12 42.7	1.653	2.638	2.5	20.5
11 27	3 31.47	+12 2.4	1.687	2.657	4.9	20.7
12 7	3 23.51	+11 32.6	1.749	2.677	8.8	20.9
12 17	3 17.52	+11 15.6	1.836	2.696	12.3	21.2
12 27	3 14.00	+11 12.5	1.944	2.716	15.3	21.5

161604 2005 TU_{174} 11 19.1 51°.39 4°.5/17.2 18

10 18	4 4.58	+11 30.4	1.335	2.210	16.0	20.1
10 28	3 58.78	+10 36.5	1.287	2.220	11.6	19.9
11 7	3 50.47	+ 9 43.6	1.262	2.231	7.2	19.7
11 17	3 40.74	+ 8 57.7	1.262	2.242	4.5	19.6
11 27	3 31.02	+ 8 24.6	1.289	2.254	7.0	19.7
12 7	3 22.70	+ 8 8.4	1.341	2.265	11.2	20.0
12 17	3 16.76	+ 8 10.9	1.415	2.277	15.2	20.3
12 27	3 13.79	+ 8 31.2	1.509	2.290	18.5	20.5

176090 2000 YJ_{90} 11 19.1 316°.50 3°.0/17.9 18

10 18	4 5.28	+14 17.3	1.278	2.154	16.5	19.9
10 28	3 59.74	+13 49.9	1.211	2.146	12.0	19.6
11 7	3 51.28	+13 20.2	1.166	2.138	7.0	19.3
11 17	3 40.92	+12 52.2	1.146	2.131	3.1	19.1
11 27	3 30.22	+12 31.0	1.152	2.124	6.1	19.2
12 7	3 20.79	+12 21.1	1.182	2.118	11.2	19.5
12 17	3 13.91	+12 25.8	1.236	2.112	15.9	19.7
12 27	3 10.37	+12 46.1	1.308	2.106	19.9	20.0

309580 2008 AS_{93} 11 19.1 109°.15 1°.9/18.2 18

10 18	4 4.07	+14 49.2	1.911	2.769	12.7	21.1
10 28	3 57.99	+14 35.5	1.846	2.772	9.1	20.9
11 7	3 49.91	+14 20.2	1.805	2.775	5.2	20.6
11 17	3 40.65	+14 5.5	1.792	2.777	2.0	20.4
11 27	3 31.26	+13 54.1	1.808	2.780	4.3	20.6
12 7	3 22.79	+13 49.0	1.852	2.783	8.1	20.8
12 17	3 16.12	+13 52.0	1.922	2.786	11.7	21.1
12 27	3 11.82	+14 4.7	2.015	2.788	14.7	21.3

67194 2000 CA_{61} 11 19.1 5°.74 4°.0/16.7 18

10 18	3 58.68	+12 23.6	1.650	2.525	13.5	18.0
10 28	3 54.27	+11 14.2	1.592	2.525	9.8	17.8
11 7	3 47.86	+10 3.6	1.558	2.527	6.0	17.5
11 17	3 40.28	+ 8 57.5	1.550	2.529	4.0	17.4
11 27	3 32.63	+ 8 2.3	1.570	2.532	6.2	17.6
12 7	3 25.97	+ 7 22.6	1.615	2.536	9.9	17.8
12 17	3 21.13	+ 7 1.2	1.685	2.541	13.5	18.0
12 27	3 18.70	+ 6 58.4	1.775	2.547	16.5	18.3

251447 2008 CF_{91} 11 19.1 329°.24 13°.4/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 59.80	−10 29.1	1.519	2.357	16.4	20.0
10 28	3 55.34	−12 13.1	1.465	2.340	14.6	19.8
11 7	3 48.61	−13 36.2	1.431	2.324	13.5	19.7
11 17	3 40.44	−14 28.3	1.419	2.308	13.7	19.7
11 27	3 32.02	−14 42.4	1.428	2.294	15.1	19.7
12 7	3 24.57	−14 16.9	1.458	2.280	17.1	19.8
12 17	3 19.09	−13 14.9	1.507	2.267	19.5	19.9
12 27	3 16.26	−11 42.9	1.570	2.255	21.6	20.1

517059 2013 AK_{171} 11 19.1 264°.61 1°.5/18.2 18

10 18	4 2.84	+18 29.4	1.798	2.658	13.2	21.9
10 28	3 57.23	+17 37.6	1.727	2.655	9.5	21.6
11 7	3 49.54	+16 38.5	1.680	2.652	5.4	21.4
11 17	3 40.59	+15 36.0	1.661	2.648	1.6	21.1
11 27	3 31.51	+14 35.2	1.671	2.645	4.3	21.3
12 7	3 23.41	+13 41.7	1.709	2.642	8.5	21.6
12 17	3 17.19	+13 0.2	1.772	2.639	12.4	21.8
12 27	3 13.45	+12 33.3	1.858	2.635	15.6	22.0

61564 2000 QA_{76} 11 19.1 199°.05 3°.7/16.9 18

10 18	4 4.59	+10 38.2	2.109	2.962	11.8	20.4
10 28	3 58.20	+ 9 45.6	2.037	2.959	8.7	20.2
11 7	3 49.98	+ 8 53.1	1.991	2.954	5.5	20.0
11 17	3 40.67	+ 8 4.9	1.973	2.949	3.7	19.9
11 27	3 31.22	+ 7 25.2	1.986	2.944	5.6	20.0
12 7	3 22.59	+ 6 57.8	2.027	2.937	8.8	20.2
12 17	3 15.59	+ 6 44.6	2.094	2.930	12.0	20.4
12 27	3 10.76	+ 6 46.3	2.183	2.923	14.7	20.5

80569 2000 AG_{115} 11 19.1 47°.04 7°.3/16.5 18

10 18	4 5.37	+ 6 25.4	1.136	2.016	17.8	18.3
10 28	3 59.42	+ 5 20.5	1.105	2.036	13.3	18.1
11 7	3 50.80	+ 4 25.0	1.095	2.057	9.1	18.0
11 17	3 40.79	+ 3 46.3	1.108	2.078	7.3	17.9
11 27	3 31.00	+ 3 30.1	1.145	2.099	9.3	18.1
12 7	3 22.87	+ 3 38.5	1.207	2.121	13.1	18.4
12 17	3 17.40	+ 4 9.7	1.289	2.144	16.9	18.7
12 27	3 15.07	+ 5 0.0	1.390	2.167	20.0	19.0

383565 2007 ES_{136} 11 19.1 291°.27 3°.7/20.6 18

10 18	4 6.79	+28 17.7	1.507	2.352	16.1	21.2
10 28	4 0.99	+28 34.1	1.420	2.333	12.3	20.9
11 7	3 52.11	+28 36.0	1.355	2.314	8.0	20.6
11 17	3 41.11	+28 20.9	1.315	2.295	4.2	20.4
11 27	3 29.48	+27 49.6	1.302	2.277	5.1	20.4
12 7	3 18.94	+27 7.2	1.315	2.258	9.5	20.6
12 17	3 10.88	+26 21.0	1.352	2.239	14.1	20.8
12 27	3 6.27	+25 38.9	1.411	2.221	18.1	21.0

77485 2001 HT_{31} 11 19.1 259°.92 1°.3/18.7 18

10 18	4 7.89	+16 21.6	1.491	2.354	15.3	19.3
10 28	4 1.36	+16 25.9	1.421	2.349	11.1	19.0
11 7	3 52.10	+16 27.5	1.374	2.345	6.3	18.7
11 17	3 41.08	+16 27.8	1.353	2.340	1.5	18.4
11 27	3 29.71	+16 29.0	1.359	2.335	4.6	18.6
12 7	3 19.50	+16 34.0	1.393	2.331	9.6	18.9
12 17	3 11.64	+16 45.7	1.451	2.326	14.1	19.1
12 27	3 6.91	+17 6.4	1.530	2.321	17.8	19.4

454236 2013 JQ_{61} 11 19.1 156°.10 1°.3/18.2 18

10 18	4 1.71	+16 38.4	2.576	3.424	10.1	22.1
10 28	3 55.85	+16 7.7	2.508	3.430	7.2	21.9
11 7	3 48.54	+15 33.9	2.467	3.436	4.1	21.7
11 17	3 40.41	+14 59.2	2.454	3.441	1.4	21.5
11 27	3 32.23	+14 26.3	2.473	3.446	3.3	21.7
12 7	3 24.75	+13 58.3	2.522	3.450	6.4	21.9
12 17	3 18.60	+13 37.4	2.599	3.454	9.3	22.1
12 27	3 14.25	+13 25.4	2.699	3.458	11.8	22.3

438319 2006 JX_{48} 11 19.1 100°.89 5°.2/16.2 15

10 18	4 5.82	+ 4 18.8	2.254	3.096	11.6	22.2
10 28	3 58.63	+ 3 29.3	2.219	3.128	8.7	22.1
11 7	3 50.00	+ 2 46.4	2.210	3.159	6.2	22.0
11 17	3 40.65	+ 2 13.9	2.231	3.190	5.2	22.0
11 27	3 31.47	+ 1 55.0	2.281	3.219	6.5	22.1
12 7	3 23.27	+ 1 51.1	2.360	3.248	8.8	22.3
12 17	3 16.66	+ 2 2.0	2.465	3.276	11.3	22.5
12 27	3 12.05	+ 2 26.5	2.592	3.303	13.3	22.7

229276 2005 AV_{81} 11 19.1 345°.06 0°.6/19.0 17

10 18	4 5.07	+14 50.6	1.426	2.297	15.4	19.1
10 28	3 59.66	+15 48.9	1.347	2.279	11.3	18.8
11 7	3 51.35	+16 51.4	1.290	2.262	6.5	18.5
11 17	3 40.98	+17 56.4	1.259	2.248	1.2	18.1
11 27	3 29.97	+19 2.4	1.256	2.234	4.4	18.3
12 7	3 19.88	+20 8.3	1.279	2.222	9.7	18.6
12 17	3 12.10	+21 13.9	1.327	2.212	14.4	18.9
12 27	3 7.58	+22 20.4	1.395	2.204	18.4	19.1

99556 2002 EY_{145} 11 19.1 180°.74 0°.6/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.21	+22 51.2	1.856	2.704	13.4	20.3
10 28	3 58.95	+22 27.9	1.784	2.705	9.8	20.1
11 7	3 50.52	+21 54.9	1.737	2.705	5.6	19.8
11 17	3 40.78	+21 13.8	1.717	2.705	1.3	19.5
11 27	3 30.90	+20 28.0	1.727	2.705	3.5	19.7
12 7	3 22.05	+19 42.6	1.765	2.704	7.8	19.9
12 17	3 15.16	+19 2.5	1.829	2.704	11.7	20.2
12 27	3 10.84	+18 31.9	1.917	2.702	14.9	20.4

69220 3030 $T\text{-}_{3}$ 11 19.1 68°.46 0°.4/19.4 18

10 18	4 3.47	+21 43.5	2.041	2.890	12.3	19.6
10 28	3 57.38	+21 32.3	1.987	2.908	8.9	19.4
11 7	3 49.48	+21 14.1	1.958	2.926	5.1	19.2
11 17	3 40.58	+20 50.3	1.956	2.944	1.1	19.0
11 27	3 31.69	+20 23.4	1.984	2.962	3.1	19.2
12 7	3 23.79	+19 57.1	2.041	2.980	6.9	19.4
12 17	3 17.65	+19 34.8	2.125	2.998	10.3	19.7
12 27	3 13.76	+19 19.5	2.232	3.016	13.1	19.9

397363 2006 UW_{156} 11 19.1 56°.35 2°.0/19.9 18

10 18	4 7.77	+23 24.8	1.741	2.587	14.2	20.5
10 28	4 0.95	+24 1.4	1.680	2.597	10.5	20.3
11 7	3 51.71	+24 30.0	1.643	2.607	6.3	20.0
11 17	3 41.00	+24 49.3	1.633	2.618	2.4	19.8
11 27	3 30.11	+24 59.6	1.652	2.628	3.9	19.9
12 7	3 20.35	+25 3.3	1.699	2.639	8.0	20.2
12 17	3 12.76	+25 4.3	1.772	2.650	11.8	20.5
12 27	3 8.01	+25 6.8	1.868	2.661	15.0	20.7

156922 2003 FD_{58} 11 19.1 280°.27 0°.2/19.2 18

10 18	4 5.33	+21 17.9	1.581	2.440	14.8	20.6
10 28	3 59.54	+21 1.5	1.499	2.425	10.8	20.3
11 7	3 51.10	+20 36.0	1.440	2.410	6.2	20.0
11 17	3 40.92	+20 2.4	1.407	2.395	1.2	19.6
11 27	3 30.32	+19 24.3	1.402	2.380	4.1	19.8
12 7	3 20.75	+18 47.1	1.424	2.365	9.1	20.0
12 17	3 13.38	+18 16.1	1.471	2.350	13.7	20.3
12 27	3 9.01	+17 56.0	1.539	2.335	17.5	20.5

93915 2000 WX_{157} 11 19.1 266°.98 1°.4/18.5 18

10 18	4 3.82	+15 5.5	2.269	3.120	11.2	18.5
10 28	3 57.73	+15 8.1	2.184	3.106	8.1	18.3
11 7	3 49.79	+15 9.6	2.123	3.092	4.6	18.1
11 17	3 40.67	+15 11.3	2.092	3.078	1.5	17.8
11 27	3 31.25	+15 14.7	2.091	3.064	3.6	18.0
12 7	3 22.50	+15 21.8	2.119	3.050	7.3	18.2
12 17	3 15.22	+15 34.3	2.175	3.036	10.6	18.4
12 27	3 10.06	+15 53.6	2.254	3.021	13.5	18.5

102413 1999 TC_{181} 11 19.1 19°.11 3°.6/17.5 18

10 18	4 0.26	+14 49.6	1.122	2.011	17.2	18.0
10 28	3 56.01	+13 51.8	1.080	2.021	12.4	17.7
11 7	3 49.03	+12 51.2	1.059	2.033	7.2	17.5
11 17	3 40.51	+11 54.2	1.061	2.045	3.6	17.3
11 27	3 32.02	+11 8.3	1.088	2.060	6.6	17.5
12 7	3 25.05	+10 39.2	1.138	2.075	11.4	17.9
12 17	3 20.63	+10 29.5	1.211	2.092	15.8	18.2
12 27	3 19.33	+10 39.2	1.302	2.110	19.5	18.5

191638 2004 PO_{20} 11 19.1 66°.06 4°.7/16.9 18

10 18	4 4.56	+10 28.7	1.472	2.342	15.0	20.1
10 28	3 58.59	+ 9 34.3	1.424	2.353	11.0	19.9
11 7	3 50.31	+ 8 42.0	1.399	2.365	6.9	19.7
11 17	3 40.74	+ 7 57.3	1.399	2.377	4.7	19.6
11 27	3 31.20	+ 7 25.6	1.427	2.389	6.9	19.8
12 7	3 22.93	+ 7 10.5	1.481	2.401	10.7	20.0
12 17	3 16.86	+ 7 13.5	1.558	2.413	14.5	20.3
12 27	3 13.56	+ 7 33.7	1.656	2.425	17.6	20.5

149349 2002 VA_{131} 11 19.1 319°.71 0°.0/18.8 17

10 18	3 41.57	+18 5.3	35.036	35.880	0.9	22.1
10 28	3 40.75	+18 2.0	34.953	35.874	0.6	22.1
11 7	3 39.84	+17 58.5	34.899	35.868	0.3	22.1
11 17	3 38.89	+17 54.9	34.875	35.863	0.1	22.0
11 27	3 37.93	+17 51.3	34.881	35.857	0.2	22.0
12 7	3 37.00	+17 47.9	34.918	35.851	0.5	22.1
12 17	3 36.14	+17 44.8	34.984	35.845	0.8	22.1
12 27	3 35.38	+17 42.1	35.077	35.840	1.0	22.2

482741 2013 EA_{121} 11 19.1 337°.92 9°.4/21.8 17

10 18	4 5.90	+36 29.9	1.325	2.156	18.7	20.7
10 28	4 1.16	+38 1.7	1.247	2.138	15.5	20.5
11 7	3 52.64	+39 15.2	1.188	2.120	12.2	20.2
11 17	3 41.28	+40 1.9	1.152	2.104	9.8	20.1
11 27	3 28.93	+40 16.6	1.139	2.089	9.8	20.0
12 7	3 17.79	+40 1.2	1.149	2.076	12.4	20.1
12 17	3 9.76	+39 23.8	1.181	2.064	16.0	20.3
12 27	3 6.04	+38 35.9	1.232	2.053	19.6	20.5

234727 2002 KK_{12} 11 19.1 179°.59 4°.9/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.83	+ 6 58.5	2.059	2.912	12.1	20.3
10 28	3 57.65	+ 6 8.9	1.996	2.914	9.0	20.1
11 7	3 49.68	+ 5 23.1	1.957	2.914	6.2	20.0
11 17	3 40.67	+ 4 45.4	1.947	2.915	4.9	19.9
11 27	3 31.56	+ 4 20.0	1.965	2.915	6.5	20.0
12 7	3 23.31	+ 4 9.4	2.012	2.914	9.4	20.2
12 17	3 16.67	+ 4 14.6	2.084	2.913	12.4	20.4
12 27	3 12.20	+ 4 35.1	2.177	2.911	14.9	20.5

147578 2004 FL_{107} 11 19.1 196°.98 0°.2/19.1 18

10 18	4 6.68	+20 50.1	1.784	2.635	13.7	20.7
10 28	4 0.11	+20 25.4	1.711	2.633	10.0	20.4
11 7	3 51.24	+19 52.4	1.662	2.631	5.7	20.2
11 17	3 40.97	+19 12.9	1.640	2.628	1.0	19.8
11 27	3 30.50	+18 30.6	1.648	2.625	3.8	20.0
12 7	3 21.08	+17 50.5	1.684	2.621	8.3	20.3
12 17	3 13.70	+17 17.3	1.746	2.616	12.3	20.5
12 27	3 9.01	+16 54.7	1.830	2.612	15.7	20.8

491552 2012 MV_{6} 11 19.1 222°.39 6°.3/14.6 17

10 18	3 59.91	− 1 47.1	2.672	3.507	10.2	21.5
10 28	3 54.54	− 2 36.5	2.607	3.501	8.2	21.4
11 7	3 47.84	− 3 17.5	2.568	3.494	6.7	21.3
11 17	3 40.35	− 3 45.9	2.556	3.488	6.3	21.2
11 27	3 32.75	− 3 58.8	2.572	3.481	7.4	21.3
12 7	3 25.74	− 3 54.7	2.616	3.474	9.2	21.4
12 17	3 19.91	− 3 33.8	2.684	3.467	11.2	21.5
12 27	3 15.72	− 2 57.6	2.774	3.459	13.1	21.7

23303 2001 AD_{17} 11 19.1 173°.23 5°.8/22.8 18

10 18	4 8.93	+37 45.4	2.183	2.971	13.7	17.8
10 28	4 1.71	+38 4.4	2.107	2.974	11.1	17.7
11 7	3 52.13	+38 5.5	2.053	2.976	8.3	17.5
11 17	3 41.12	+37 45.9	2.025	2.978	6.2	17.4
11 27	3 29.93	+37 6.2	2.026	2.979	6.0	17.4
12 7	3 19.83	+36 10.6	2.056	2.980	7.9	17.5
12 17	3 11.82	+35 5.8	2.113	2.980	10.6	17.7
12 27	3 6.56	+33 59.1	2.194	2.980	13.3	17.8

384693 2011 GN_{84} 11 19.1 320°.53 5°.3/16.9 18

10 18	4 4.26	+ 9 1.0	1.414	2.285	15.4	20.8
10 28	3 58.70	+ 8 15.2	1.350	2.280	11.5	20.5
11 7	3 50.58	+ 7 32.5	1.310	2.275	7.5	20.3
11 17	3 40.87	+ 6 58.7	1.294	2.270	5.3	20.2
11 27	3 30.91	+ 6 39.2	1.304	2.265	7.5	20.3
12 7	3 22.12	+ 6 37.6	1.340	2.260	11.6	20.5
12 17	3 15.57	+ 6 55.1	1.399	2.256	15.6	20.8
12 27	3 11.99	+ 7 30.6	1.477	2.252	19.1	21.0

189956 2003 UX_{62} 11 19.1 55°.01 4°.0/17.1 18

10 18	4 1.70	+ 8 52.7	2.001	2.860	12.1	19.6
10 28	3 56.06	+ 8 19.1	1.952	2.876	8.9	19.4
11 7	3 48.75	+ 7 49.0	1.928	2.891	5.7	19.3
11 17	3 40.50	+ 7 25.7	1.932	2.906	4.0	19.2
11 27	3 32.28	+ 7 12.5	1.964	2.922	5.6	19.3
12 7	3 24.97	+ 7 11.4	2.024	2.938	8.6	19.6
12 17	3 19.29	+ 7 23.1	2.109	2.954	11.6	19.8
12 27	3 15.72	+ 7 47.1	2.217	2.970	14.1	20.0

358702 2008 AW_{70} 11 19.1 86°.67 2°.4/20.5 18

10 18	4 4.49	+27 33.4	1.916	2.754	13.5	21.1
10 28	3 58.45	+27 24.5	1.848	2.758	10.1	20.9
11 7	3 50.26	+27 2.9	1.803	2.763	6.3	20.7
11 17	3 40.80	+26 29.0	1.785	2.767	2.8	20.5
11 27	3 31.22	+25 45.3	1.796	2.772	3.7	20.5
12 7	3 22.70	+24 56.8	1.835	2.776	7.4	20.8
12 17	3 16.13	+24 9.0	1.901	2.781	11.0	21.0
12 27	3 12.11	+23 27.2	1.990	2.785	14.1	21.2

297036 2010 GH_{124} 11 19.1 229°.63 3°.0/17.4 18

10 18	4 3.96	+12 50.6	2.012	2.868	12.2	21.6
10 28	3 57.92	+12 6.3	1.934	2.859	8.9	21.4
11 7	3 49.94	+11 20.3	1.882	2.849	5.4	21.2
11 17	3 40.75	+10 36.4	1.857	2.839	3.0	21.0
11 27	3 31.35	+ 9 58.8	1.863	2.828	5.1	21.1
12 7	3 22.76	+ 9 31.3	1.896	2.817	8.7	21.3
12 17	3 15.85	+ 9 16.7	1.956	2.805	12.2	21.5
12 27	3 11.21	+ 9 16.2	2.038	2.793	15.2	21.7

29390 1996 LO_{3} 11 19.1 100°.01 3°.6/17.3 18

10 18	4 5.52	+12 25.7	1.629	2.492	14.2	18.2
10 28	3 59.13	+11 35.1	1.578	2.506	10.3	18.0
11 7	3 50.58	+10 44.2	1.551	2.519	6.2	17.8
11 17	3 40.84	+ 9 57.8	1.551	2.532	3.7	17.7
11 27	3 31.14	+ 9 20.9	1.580	2.545	5.9	17.9
12 7	3 22.63	+ 8 57.4	1.635	2.557	9.7	18.1
12 17	3 16.20	+ 8 49.4	1.715	2.569	13.4	18.4
12 27	3 12.40	+ 8 57.1	1.816	2.581	16.4	18.6

327185 2005 LZ_{41} 11 19.1 109°.15 1°.1/18.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 9.27	+17 39.6	1.645	2.499	14.5	21.9
10 28	4 1.83	+17 22.6	1.594	2.518	10.4	21.7
11 7	3 52.10	+17 0.9	1.567	2.537	5.8	21.5
11 17	3 41.11	+16 36.7	1.568	2.556	1.4	21.2
11 27	3 30.19	+16 13.4	1.598	2.574	4.2	21.4
12 7	3 20.59	+15 54.9	1.657	2.591	8.6	21.8
12 17	3 13.24	+15 44.4	1.741	2.608	12.5	22.0
12 27	3 8.69	+15 44.2	1.847	2.624	15.7	22.3

322239 2011 BN_{124} 11 19.1 190°.58 0°.8/19.6 17

10 18	4 2.38	+22 39.4	2.578	3.416	10.4	21.2
10 28	3 56.49	+22 38.4	2.501	3.416	7.6	21.0
11 7	3 49.01	+22 31.1	2.449	3.415	4.4	20.8
11 17	3 40.58	+22 18.1	2.427	3.414	1.2	20.6
11 27	3 31.99	+22 1.0	2.435	3.412	2.7	20.7
12 7	3 24.09	+21 42.2	2.473	3.411	6.0	20.9
12 17	3 17.56	+21 24.7	2.539	3.409	9.0	21.1
12 27	3 12.93	+21 11.4	2.630	3.407	11.6	21.3

44271 1998 QY_{67} 11 19.1 144°.40 1°.4/18.3 18

10 18	4 3.67	+18 22.8	1.890	2.746	12.8	18.4
10 28	3 57.71	+17 33.0	1.824	2.750	9.2	18.2
11 7	3 49.78	+16 36.9	1.783	2.754	5.2	18.0
11 17	3 40.71	+15 37.9	1.770	2.757	1.5	17.7
11 27	3 31.58	+14 40.9	1.787	2.761	4.1	17.9
12 7	3 23.44	+13 50.9	1.832	2.764	8.1	18.2
12 17	3 17.13	+13 12.0	1.903	2.767	11.8	18.4
12 27	3 13.20	+12 46.9	1.997	2.770	14.9	18.6

491001 2011 GP_{7} 11 19.1 184°.70 1°.4/18.3 18

10 18	4 5.32	+18 55.8	1.716	2.574	13.9	21.7
10 28	3 59.10	+18 2.1	1.648	2.574	10.0	21.5
11 7	3 50.65	+17 0.5	1.603	2.574	5.6	21.2
11 17	3 40.88	+15 54.8	1.586	2.574	1.6	21.0
11 27	3 31.00	+14 50.4	1.599	2.573	4.4	21.2
12 7	3 22.20	+13 53.6	1.639	2.572	8.8	21.4
12 17	3 15.45	+13 9.1	1.705	2.570	12.8	21.7
12 27	3 11.35	+12 40.0	1.792	2.568	16.2	21.9

266023 2006 FG_{35} 11 19.1 203°.65 1°.0/18.4 18 R

10 18	4 1.07	+16 29.2	2.881	3.726	9.2	21.1
10 28	3 55.37	+16 11.6	2.801	3.721	6.6	20.9
11 7	3 48.32	+15 51.6	2.748	3.716	3.8	20.7
11 17	3 40.47	+15 30.6	2.725	3.711	1.1	20.5
11 27	3 32.48	+15 10.7	2.732	3.706	2.9	20.6
12 7	3 25.06	+14 54.1	2.771	3.700	5.9	20.8
12 17	3 18.80	+14 42.9	2.838	3.693	8.6	21.0
12 27	3 14.17	+14 38.6	2.929	3.687	10.9	21.2

332712 2009 SF_{80} 11 19.1 149°.61 0°.8/18.8 16

10 18	4 8.09	+19 11.3	1.802	2.652	13.7	22.7
10 28	4 0.95	+18 43.0	1.740	2.662	9.8	22.5
11 7	3 51.63	+18 8.2	1.702	2.671	5.5	22.2
11 17	3 41.06	+17 29.1	1.691	2.679	1.1	21.9
11 27	3 30.43	+16 49.7	1.711	2.687	3.9	22.2
12 7	3 20.95	+16 14.5	1.759	2.694	8.2	22.5
12 17	3 13.52	+15 47.5	1.834	2.700	12.1	22.7
12 27	3 8.73	+15 31.7	1.931	2.705	15.3	22.9

101159 1998 RU_{77} 11 19.1 97°.67 3°.2/17.7 17

10 18	4 8.92	+13 11.0	1.670	2.526	14.3	19.9
10 28	4 1.35	+12 26.5	1.630	2.554	10.2	19.8
11 7	3 51.72	+11 41.7	1.614	2.582	6.0	19.6
11 17	3 41.05	+11 0.5	1.627	2.609	3.2	19.5
11 27	3 30.59	+10 27.5	1.668	2.635	5.4	19.7
12 7	3 21.47	+10 6.3	1.737	2.660	9.2	19.9
12 17	3 14.52	+ 9 58.6	1.832	2.684	12.7	20.2
12 27	3 10.21	+10 4.8	1.949	2.708	15.6	20.5

422208 2014 RJ_{50} 11 19.1 52°.94 3°.9/16.7 18

10 18	4 0.18	+10 13.6	2.100	2.961	11.5	20.9
10 28	3 54.98	+ 9 17.3	2.044	2.969	8.4	20.7
11 7	3 48.17	+ 8 22.2	2.013	2.976	5.4	20.5
11 17	3 40.44	+ 7 32.7	2.009	2.984	3.9	20.4
11 27	3 32.69	+ 6 53.0	2.035	2.992	5.6	20.6
12 7	3 25.76	+ 6 26.4	2.089	3.000	8.5	20.8
12 17	3 20.35	+ 6 14.3	2.168	3.009	11.5	21.0
12 27	3 16.95	+ 6 17.0	2.269	3.017	14.0	21.2

472538 2015 DC_{19} 11 19.1 55°.72 2°.3/18.3 18

10 18	4 7.22	+15 30.6	1.254	2.127	16.9	20.9
10 28	4 1.00	+15 11.1	1.202	2.136	12.2	20.7
11 7	3 51.91	+14 48.8	1.172	2.144	7.0	20.4
11 17	3 41.13	+14 26.8	1.166	2.153	2.4	20.2
11 27	3 30.27	+14 9.5	1.187	2.162	5.5	20.4
12 7	3 20.92	+14 1.2	1.233	2.171	10.6	20.7
12 17	3 14.23	+14 4.8	1.303	2.180	15.2	21.0
12 27	3 10.85	+14 21.7	1.391	2.190	18.9	21.3

49702 Koikeda 11 19.1 252°.63 0°.7/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 8.33	+17 54.5	1.677	2.532	14.3	18.7
10 28	4 1.65	+17 55.4	1.592	2.517	10.4	18.5
11 7	3 52.34	+17 52.1	1.531	2.501	6.0	18.2
11 17	3 41.25	+17 45.4	1.497	2.485	1.2	17.8
11 27	3 29.67	+17 37.4	1.492	2.469	4.2	18.0
12 7	3 19.02	+17 31.5	1.515	2.452	9.1	18.3
12 17	3 10.49	+17 31.1	1.564	2.435	13.5	18.5
12 27	3 4.91	+17 39.3	1.634	2.417	17.2	18.7

43290 2000 FV_{48} 11 19.2 191°.50 3°.6/21.9 18

10 18	4 3.39	+33 49.1	2.896	3.694	10.5	19.5
10 28	3 57.21	+33 56.6	2.813	3.693	8.2	19.4
11 7	3 49.43	+33 52.2	2.755	3.691	5.8	19.2
11 17	3 40.68	+33 34.9	2.725	3.689	3.9	19.1
11 27	3 31.79	+33 5.6	2.725	3.687	4.0	19.1
12 7	3 23.58	+32 27.1	2.755	3.684	5.9	19.2
12 17	3 16.77	+31 43.3	2.813	3.681	8.3	19.4
12 27	3 11.88	+30 58.7	2.897	3.678	10.5	19.5

186496 2002 TY_{299} 11 19.2 65°.73 3°.6/17.9 18

10 18	4 8.46	+12 6.1	1.292	2.163	16.7	20.1
10 28	4 1.57	+11 43.6	1.252	2.184	12.0	19.9
11 7	3 52.06	+11 22.6	1.235	2.204	7.1	19.7
11 17	3 41.14	+11 7.1	1.243	2.226	3.7	19.6
11 27	3 30.36	+11 0.8	1.277	2.247	6.2	19.8
12 7	3 21.18	+11 6.5	1.337	2.268	10.6	20.1
12 17	3 14.58	+11 25.3	1.421	2.289	14.8	20.4
12 27	3 11.13	+11 56.8	1.525	2.310	18.1	20.7

159956 2005 YL_{186} 11 19.2 175°.37 3°.9/16.9 18

10 18	4 1.91	+ 7 1.8	2.425	3.274	10.6	19.9
10 28	3 56.10	+ 6 37.7	2.358	3.275	7.9	19.7
11 7	3 48.78	+ 6 17.5	2.318	3.276	5.3	19.5
11 17	3 40.57	+ 6 4.1	2.306	3.277	3.9	19.5
11 27	3 32.26	+ 6 0.0	2.324	3.277	5.3	19.5
12 7	3 24.64	+ 6 6.7	2.371	3.277	7.9	19.7
12 17	3 18.37	+ 6 24.9	2.444	3.277	10.6	19.9
12 27	3 13.95	+ 6 54.2	2.540	3.277	13.0	20.1

361375 2006 VN_3 11 19.2 334°.41 0°.2/19.2 18

10 18	4 3.26	+20 32.2	1.663	2.524	14.1	21.0
10 28	3 57.87	+20 27.9	1.590	2.517	10.3	20.8
11 7	3 50.11	+20 16.6	1.540	2.510	5.9	20.5
11 17	3 40.83	+19 59.4	1.516	2.504	1.1	20.2
11 27	3 31.27	+19 39.0	1.520	2.498	3.8	20.4
12 7	3 22.71	+19 19.4	1.551	2.493	8.4	20.6
12 17	3 16.18	+19 4.6	1.608	2.488	12.6	20.9
12 27	3 12.41	+18 58.1	1.686	2.484	16.1	21.1

188865 2006 UW_{133} 11 19.2 270°.46 0°.4/19.0 18

10 18	4 7.18	+19 14.4	1.519	2.380	15.2	21.3
10 28	4 1.03	+19 8.2	1.438	2.365	11.1	21.0
11 7	3 52.07	+18 55.4	1.379	2.350	6.4	20.7
11 17	3 41.21	+18 37.1	1.346	2.334	1.2	20.4
11 27	3 29.86	+18 16.3	1.341	2.319	4.4	20.5
12 7	3 19.55	+17 57.5	1.363	2.303	9.6	20.8
12 17	3 11.53	+17 45.0	1.410	2.287	14.3	21.0
12 27	3 6.68	+17 42.8	1.477	2.271	18.2	21.3

17278 Viggh 11 19.2 269°.89 3°.7/21.0 18

10 18	4 6.70	+29 54.7	1.652	2.489	15.4	17.9
10 28	4 0.60	+29 58.3	1.572	2.480	11.8	17.7
11 7	3 51.76	+29 45.8	1.515	2.470	7.8	17.4
11 17	3 41.15	+29 15.7	1.483	2.461	4.2	17.2
11 27	3 30.18	+28 29.8	1.478	2.452	4.8	17.2
12 7	3 20.35	+27 33.8	1.501	2.443	8.7	17.4
12 17	3 12.86	+26 35.1	1.550	2.433	12.8	17.6
12 27	3 8.50	+25 41.3	1.620	2.424	16.4	17.9

393442 2001 TQ_{198} 11 19.2 55°.07 0°.9/19.5 18

10 18	4 8.59	+21 17.9	1.586	2.439	15.0	20.7
10 28	4 1.40	+21 36.3	1.546	2.468	10.9	20.5
11 7	3 51.89	+21 47.1	1.530	2.498	6.2	20.3
11 17	3 41.13	+21 50.4	1.540	2.527	1.5	20.1
11 27	3 30.51	+21 48.0	1.579	2.557	3.7	20.3
12 7	3 21.30	+21 43.2	1.645	2.587	8.1	20.6
12 17	3 14.43	+21 39.9	1.738	2.616	11.9	20.9
12 27	3 10.42	+21 41.4	1.852	2.646	15.1	21.2

308896 2006 SF_{181} 11 19.2 85°.12 1°.7/18.2 18

10 18	4 3.50	+16 51.9	1.848	2.707	13.0	21.3
10 28	3 57.60	+16 15.0	1.790	2.717	9.3	21.1
11 7	3 49.73	+15 34.0	1.756	2.726	5.3	20.8
11 17	3 40.76	+14 51.9	1.750	2.736	1.8	20.6
11 27	3 31.75	+14 13.0	1.772	2.746	4.2	20.8
12 7	3 23.77	+13 41.3	1.823	2.755	8.2	21.1
12 17	3 17.63	+13 19.9	1.900	2.765	11.8	21.3
12 27	3 13.88	+13 10.8	1.999	2.774	14.8	21.5

390418 2013 YH_{32} 11 19.2 261°.06 5°.2/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 4.48	+ 8 20.3	1.612	2.477	14.2	20.9
10 28	3 58.62	+ 7 32.8	1.546	2.472	10.6	20.7
11 7	3 50.48	+ 6 48.5	1.504	2.467	7.0	20.5
11 17	3 40.91	+ 6 12.8	1.489	2.462	5.2	20.4
11 27	3 31.15	+ 5 50.6	1.500	2.457	7.2	20.5
12 7	3 22.42	+ 5 45.4	1.538	2.452	10.9	20.7
12 17	3 15.70	+ 5 58.2	1.600	2.447	14.5	20.9
12 27	3 11.66	+ 6 28.3	1.681	2.442	17.7	21.1

325601 2009 SR_{185} 11 19.2 107°.22 1°.0/18.5 18

10 18	4 1.80	+18 41.0	2.324	3.174	11.0	20.9
10 28	3 56.04	+17 59.2	2.263	3.186	7.9	20.7
11 7	3 48.74	+17 12.3	2.228	3.198	4.4	20.6
11 17	3 40.58	+16 23.2	2.222	3.209	1.1	20.3
11 27	3 32.42	+15 35.3	2.246	3.221	3.3	20.5
12 7	3 25.09	+14 52.5	2.300	3.232	6.7	20.8
12 17	3 19.24	+14 17.8	2.381	3.243	9.8	21.0
12 27	3 15.34	+13 53.6	2.486	3.253	12.4	21.2

110887 2001 UM_{111} 11 19.2 114°.46 1°.5/20.0 18

10 18	4 4.55	+24 58.9	2.042	2.882	12.7	20.3
10 28	3 58.35	+24 50.7	1.975	2.889	9.3	20.1
11 7	3 50.18	+24 32.7	1.932	2.896	5.6	19.9
11 17	3 40.85	+24 5.5	1.917	2.903	1.9	19.7
11 27	3 31.43	+23 31.6	1.932	2.909	3.3	19.8
12 7	3 22.97	+22 55.0	1.976	2.916	7.0	20.0
12 17	3 16.32	+22 20.1	2.046	2.922	10.5	20.3
12 27	3 12.06	+21 51.3	2.140	2.928	13.5	20.5

431799 2008 QJ_{34} 11 19.2 103°.49 0°.8/18.8 16 R

10 18	4 7.47	+18 57.4	1.699	2.553	14.1	22.0
10 28	4 0.53	+18 32.1	1.646	2.571	10.2	21.8
11 7	3 51.41	+18 0.8	1.618	2.588	5.7	21.6
11 17	3 41.09	+17 25.8	1.617	2.605	1.2	21.3
11 27	3 30.81	+16 51.1	1.646	2.622	4.0	21.5
12 7	3 21.78	+16 21.1	1.702	2.638	8.3	21.8
12 17	3 14.88	+15 59.5	1.785	2.654	12.2	22.1
12 27	3 10.67	+15 48.8	1.889	2.669	15.3	22.4

224693 Morganfreeman 11 19.2 138°.65 2°.9/17.4 18

10 18	4 1.75	+10 51.5	2.447	3.298	10.4	20.8
10 28	3 55.97	+10 26.3	2.383	3.304	7.6	20.6
11 7	3 48.72	+10 2.3	2.346	3.310	4.7	20.5
11 17	3 40.61	+ 9 42.0	2.337	3.316	2.9	20.3
11 27	3 32.43	+ 9 28.1	2.358	3.321	4.4	20.5
12 7	3 24.97	+ 9 22.5	2.409	3.326	7.3	20.6
12 17	3 18.86	+ 9 26.5	2.487	3.331	10.1	20.8
12 27	3 14.58	+ 9 40.6	2.587	3.336	12.5	21.0

236406 2006 DH_{73} 11 19.2 164°.77 4°.4/21.2 18

10 18	4 9.05	+30 49.3	1.840	2.664	14.6	20.1
10 28	4 2.09	+31 24.4	1.768	2.666	11.3	19.9
11 7	3 52.53	+31 45.5	1.719	2.667	7.7	19.7
11 17	3 41.33	+31 49.9	1.696	2.669	4.8	19.5
11 27	3 29.82	+31 37.6	1.702	2.670	5.2	19.5
12 7	3 19.41	+31 12.4	1.736	2.671	8.3	19.7
12 17	3 11.24	+30 39.9	1.796	2.671	11.8	19.9
12 27	3 6.04	+30 6.8	1.878	2.672	14.9	20.1

215652 2003 UE_{116} 11 19.2 42°.24 2°.5/18.4 18

10 18	4 7.07	+15 24.3	1.049	1.932	18.6	20.2
10 28	4 1.09	+15 5.9	1.011	1.949	13.4	19.9
11 7	3 52.01	+14 45.1	0.993	1.966	7.6	19.7
11 17	3 41.20	+14 25.5	0.998	1.985	2.6	19.5
11 27	3 30.52	+14 11.8	1.028	2.004	5.9	19.7
12 7	3 21.66	+14 8.4	1.082	2.023	11.3	20.1
12 17	3 15.79	+14 17.7	1.158	2.044	16.0	20.4
12 27	3 13.48	+14 40.4	1.253	2.064	19.9	20.8

341022 2007 GW_6 11 19.2 172°.16 0°.0/19.1 18

10 18	4 6.76	+20 43.4	1.987	2.832	12.8	22.6
10 28	3 59.98	+20 24.7	1.916	2.836	9.3	22.4
11 7	3 51.13	+19 58.9	1.870	2.839	5.2	22.2
11 17	3 41.06	+19 27.5	1.853	2.841	0.9	21.9
11 27	3 30.86	+18 53.4	1.865	2.842	3.4	22.1
12 7	3 21.63	+18 20.8	1.907	2.843	7.5	22.3
12 17	3 14.26	+17 53.5	1.976	2.843	11.2	22.5
12 27	3 9.35	+17 35.0	2.067	2.843	14.3	22.8

107068 2001 AP_{15} 11 19.2 317°.21 0°.7/19.5 18

10 18	4 2.54	+23 24.6	1.453	2.317	15.5	19.4
10 28	3 57.78	+22 55.1	1.371	2.299	11.5	19.1
11 7	3 50.28	+22 12.3	1.311	2.282	6.7	18.8
11 17	3 40.95	+21 17.8	1.277	2.264	1.5	18.4
11 27	3 31.20	+20 16.4	1.269	2.248	4.2	18.6
12 7	3 22.52	+19 15.2	1.287	2.232	9.5	18.8
12 17	3 16.15	+18 21.6	1.329	2.217	14.3	19.1
12 27	3 12.91	+17 41.3	1.392	2.202	18.3	19.3

353142 2009 HR_8 11 19.2 248°.24 4°.0/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.14	+ 9 27.7	2.148	3.002	11.6	21.6
10 28	3 57.30	+ 8 43.7	2.066	2.987	8.6	21.3
11 7	3 49.63	+ 8 0.8	2.010	2.972	5.6	21.1
11 17	3 40.81	+ 7 22.9	1.981	2.956	4.0	21.0
11 27	3 31.73	+ 6 53.9	1.983	2.940	5.7	21.1
12 7	3 23.37	+ 6 37.1	2.013	2.923	8.9	21.2
12 17	3 16.52	+ 6 34.3	2.068	2.906	12.1	21.4
12 27	3 11.78	+ 6 46.0	2.146	2.889	14.9	21.6

400673 Vitapolunina 11 19.2 63°.33 0°.6/18.8 17

10 18	4 3.72	+20 9.7	1.928	2.781	12.8	21.0
10 28	3 57.55	+19 30.0	1.884	2.808	9.1	20.8
11 7	3 49.61	+18 43.9	1.865	2.835	5.1	20.6
11 17	3 40.76	+17 54.4	1.874	2.862	1.0	20.4
11 27	3 32.05	+17 5.6	1.912	2.889	3.5	20.6
12 7	3 24.45	+16 22.1	1.980	2.916	7.3	20.9
12 17	3 18.67	+15 47.3	2.073	2.942	10.7	21.2
12 27	3 15.16	+15 23.7	2.190	2.969	13.5	21.4

381761 2009 SP_{230} 11 19.2 355°.06 5°.3/21.2 18

10 18	4 7.07	+30 18.2	1.247	2.099	18.4	20.2
10 28	4 1.55	+30 55.1	1.182	2.096	14.2	20.0
11 7	3 52.61	+31 14.1	1.138	2.094	9.7	19.7
11 17	3 41.39	+31 11.2	1.116	2.092	5.9	19.5
11 27	3 29.74	+30 47.0	1.119	2.091	6.3	19.5
12 7	3 19.61	+30 7.1	1.147	2.091	10.4	19.8
12 17	3 12.49	+29 20.6	1.198	2.092	15.0	20.0
12 27	3 9.26	+28 36.6	1.269	2.093	18.9	20.3

53064 1998 XY_{34} 11 19.2 320°.07 1°.0/19.6 18

10 18	4 4.38	+23 12.0	1.346	2.212	16.4	18.3
10 28	3 59.25	+22 59.9	1.272	2.200	12.1	18.0
11 7	3 51.16	+22 35.6	1.219	2.189	7.1	17.7
11 17	3 41.12	+22 0.1	1.191	2.178	1.8	17.3
11 27	3 30.66	+21 17.0	1.189	2.168	4.4	17.4
12 7	3 21.42	+20 32.9	1.213	2.158	9.8	17.7
12 17	3 14.71	+19 54.5	1.260	2.149	14.7	18.0
12 27	3 11.37	+19 27.4	1.327	2.141	18.9	18.2

264218 2010 RU_{52} 11 19.2 57°.22 1°.4/18.6 16

10 18	4 9.80	+19 3.8	1.059	1.936	19.0	20.2
10 28	4 2.81	+18 24.1	1.030	1.965	13.6	20.0
11 7	3 52.82	+17 36.5	1.020	1.994	7.5	19.8
11 17	3 41.34	+16 45.8	1.035	2.023	1.7	19.5
11 27	3 30.26	+15 58.9	1.075	2.052	5.3	19.9
12 7	3 21.23	+15 22.2	1.140	2.082	10.8	20.3
12 17	3 15.28	+15 0.2	1.227	2.111	15.5	20.6
12 27	3 12.84	+14 54.7	1.334	2.140	19.2	21.0

480208 2015 GM_5 11 19.2 214°.68 1°.7/18.3 18

10 18	4 5.97	+17 30.3	1.691	2.550	14.0	21.7
10 28	3 59.71	+16 46.2	1.618	2.545	10.1	21.4
11 7	3 51.12	+15 55.8	1.570	2.540	5.8	21.2
11 17	3 41.09	+15 2.4	1.548	2.535	1.9	20.9
11 27	3 30.85	+14 11.1	1.555	2.529	4.6	21.1
12 7	3 21.67	+13 27.5	1.590	2.523	9.1	21.3
12 17	3 14.54	+12 55.9	1.651	2.516	13.2	21.6
12 27	3 10.14	+12 39.0	1.733	2.509	16.7	21.8

68751 2002 ES_{69} 11 19.2 76°.04 4°.8/15.9 18

10 18	4 1.62	+ 7 38.0	2.104	2.961	11.7	19.2
10 28	3 55.90	+ 6 26.2	2.062	2.982	8.7	19.0
11 7	3 48.65	+ 5 18.3	2.047	3.004	5.9	18.9
11 17	3 40.61	+ 4 19.1	2.059	3.025	4.8	18.9
11 27	3 32.65	+ 3 33.3	2.100	3.046	6.4	19.0
12 7	3 25.61	+ 3 3.7	2.169	3.067	9.0	19.2
12 17	3 20.12	+ 2 51.1	2.264	3.088	11.7	19.4
12 27	3 16.62	+ 2 54.9	2.380	3.109	13.9	19.6

356059 2009 DB_{34} 11 19.2 275°.38 5°.6/21.5 18

10 18	4 8.72	+33 14.8	1.877	2.692	14.6	20.8
10 28	4 2.09	+34 2.9	1.792	2.680	11.6	20.6
11 7	3 52.70	+34 36.6	1.729	2.669	8.4	20.4
11 17	3 41.41	+34 51.9	1.692	2.657	5.9	20.2
11 27	3 29.57	+34 47.4	1.684	2.645	6.1	20.2
12 7	3 18.68	+34 25.8	1.703	2.633	8.8	20.4
12 17	3 9.99	+33 53.1	1.747	2.621	12.2	20.5
12 27	3 4.40	+33 16.5	1.815	2.608	15.3	20.7

333542 2005 TS_{41} 11 19.2 59°.70 0°.5/19.4 18

10 18	4 6.08	+23 17.1	1.368	2.230	16.4	20.3
10 28	4 0.03	+22 41.0	1.316	2.243	11.9	20.1
11 7	3 51.32	+21 52.3	1.286	2.256	6.8	19.8
11 17	3 41.11	+20 53.9	1.281	2.269	1.4	19.5
11 27	3 30.94	+19 51.7	1.303	2.282	4.2	19.7
12 7	3 22.26	+18 52.9	1.352	2.296	9.2	20.1
12 17	3 16.12	+18 4.0	1.426	2.309	13.7	20.4
12 27	3 13.10	+17 29.4	1.520	2.323	17.4	20.7

301457 2009 DW_{113} 11 19.2 57°.61 1°.0/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.15	+23 5.5	1.708	2.560	14.2	21.2
10 28	3 59.10	+23 0.7	1.645	2.566	10.4	21.0
11 7	3 50.75	+22 46.5	1.605	2.572	6.1	20.8
11 17	3 41.02	+22 23.8	1.592	2.579	1.7	20.5
11 27	3 31.17	+21 55.2	1.607	2.585	3.6	20.6
12 7	3 22.44	+21 25.3	1.650	2.592	8.0	20.9
12 17	3 15.81	+20 58.7	1.718	2.598	12.0	21.2
12 27	3 11.90	+20 39.6	1.809	2.605	15.3	21.4

266 Aline 11 19.2 21°.15 0°.2/19.1 18

10 18	4 1.61	+23 35.2	1.531	2.394	15.0	12.5
10 28	3 56.61	+22 23.3	1.471	2.399	10.8	12.2
11 7	3 49.33	+20 57.7	1.435	2.406	6.1	12.0
11 17	3 40.75	+19 23.1	1.425	2.414	1.1	11.6
11 27	3 32.19	+17 47.1	1.444	2.422	4.0	11.9
12 7	3 24.87	+16 18.2	1.489	2.430	8.8	12.2
12 17	3 19.70	+15 3.3	1.560	2.440	13.0	12.5
12 27	3 17.25	+14 6.6	1.652	2.450	16.5	12.7

150447 2000 GD_{173} 11 19.2 208°.41 2°.5/17.9 18

10 18	4 6.45	+14 8.3	1.842	2.697	13.2	21.0
10 28	3 59.91	+13 39.2	1.768	2.693	9.6	20.8
11 7	3 51.19	+13 8.0	1.719	2.688	5.6	20.6
11 17	3 41.12	+12 37.8	1.698	2.682	2.5	20.4
11 27	3 30.83	+12 12.4	1.706	2.676	4.8	20.5
12 7	3 21.48	+11 55.3	1.742	2.669	8.9	20.7
12 17	3 14.02	+11 49.2	1.804	2.662	12.7	21.0
12 27	3 9.10	+11 55.6	1.888	2.654	15.8	21.2

22773 1999 CV_{17} 11 19.2 323°.87 0°.5/19.5 18

10 18	4 1.34	+21 51.1	1.974	2.828	12.5	18.2
10 28	3 56.27	+21 42.0	1.892	2.815	9.1	17.9
11 7	3 49.17	+21 25.4	1.834	2.803	5.3	17.7
11 17	3 40.76	+21 2.4	1.803	2.791	1.2	17.4
11 27	3 32.08	+20 35.3	1.801	2.779	3.3	17.5
12 7	3 24.20	+20 7.9	1.827	2.768	7.4	17.8
12 17	3 18.01	+19 44.2	1.879	2.757	11.2	18.0
12 27	3 14.18	+19 27.7	1.954	2.747	14.4	18.2

486924 2014 MJ_{17} 11 19.2 39°.39 6°.6/15.7 18

10 18	4 1.10	+ 2 43.0	1.861	2.719	13.0	20.4
10 28	3 55.79	+ 1 48.8	1.814	2.729	10.0	20.2
11 7	3 48.72	+ 1 3.3	1.791	2.739	7.5	20.1
11 17	3 40.66	+ 0 31.6	1.795	2.750	6.6	20.1
11 27	3 32.59	+ 0 17.6	1.825	2.761	8.0	20.2
12 7	3 25.46	+ 0 23.0	1.882	2.772	10.6	20.4
12 17	3 20.02	+ 0 47.3	1.962	2.784	13.3	20.6
12 27	3 16.75	+ 1 28.2	2.063	2.796	15.7	20.8

331364 2012 DK_{27} 11 19.2 125°.25 7°.8/13.1 18

10 18	3 59.97	− 3 53.0	2.391	3.225	11.3	20.5
10 28	3 54.69	− 5 19.8	2.344	3.231	9.3	20.4
11 7	3 48.00	− 6 35.6	2.323	3.237	8.0	20.3
11 17	3 40.53	− 7 35.1	2.330	3.244	7.9	20.3
11 27	3 33.03	− 8 14.0	2.363	3.250	9.0	20.4
12 7	3 26.24	− 8 30.5	2.422	3.255	10.7	20.6
12 17	3 20.78	− 8 25.2	2.504	3.261	12.6	20.7
12 27	3 17.09	− 8 0.4	2.605	3.267	14.3	20.9

422356 2014 SQ_{229} 11 19.2 309°.84 2°.1/17.8 18

10 18	4 0.38	+15 18.7	2.209	3.067	11.2	20.8
10 28	3 55.22	+14 34.3	2.137	3.063	8.1	20.6
11 7	3 48.41	+13 46.7	2.091	3.060	4.7	20.4
11 17	3 40.61	+12 59.3	2.072	3.057	2.1	20.3
11 27	3 32.70	+12 15.9	2.084	3.054	4.1	20.4
12 7	3 25.54	+11 40.2	2.124	3.051	7.5	20.6
12 17	3 19.84	+11 15.1	2.191	3.048	10.7	20.8
12 27	3 16.13	+11 2.2	2.280	3.045	13.5	21.0

456201 2006 JY_{13} 11 19.2 286°.74 1°.6/18.5 17

10 18	4 4.39	+13 26.7	2.311	3.160	11.1	20.5
10 28	3 58.12	+13 40.3	2.234	3.155	8.0	20.3
11 7	3 50.08	+13 54.6	2.182	3.150	4.6	20.1
11 17	3 40.94	+14 10.5	2.159	3.145	1.7	19.9
11 27	3 31.56	+14 29.0	2.167	3.140	3.6	20.0
12 7	3 22.87	+14 51.4	2.205	3.135	7.1	20.2
12 17	3 15.65	+15 18.6	2.270	3.130	10.3	20.4
12 27	3 10.49	+15 51.4	2.359	3.125	13.1	20.6

424438 2008 CU_{15} 11 19.2 162°.86 4°.9/21.4 18

10 18	4 10.77	+31 50.4	1.617	2.442	16.1	20.9
10 28	4 3.60	+32 15.2	1.547	2.445	12.5	20.6
11 7	3 53.51	+32 22.8	1.500	2.448	8.6	20.4
11 17	3 41.57	+32 10.2	1.478	2.451	5.4	20.2
11 27	3 29.36	+31 38.2	1.484	2.453	5.7	20.3
12 7	3 18.50	+30 52.1	1.517	2.454	9.0	20.5
12 17	3 10.23	+29 59.7	1.576	2.456	12.9	20.7
12 27	3 5.32	+29 9.2	1.657	2.457	16.3	20.9

371834 2007 VR_{245} 11 19.2 28°.69 3°.0/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 1.46	+30 17.2	2.187	3.015	12.4	20.3
10 28	3 56.12	+30 7.4	2.120	3.022	9.4	20.2
11 7	3 48.95	+29 44.6	2.076	3.030	6.2	20.0
11 17	3 40.72	+29 8.9	2.060	3.038	3.4	19.8
11 27	3 32.42	+28 22.7	2.073	3.046	3.7	19.9
12 7	3 25.04	+27 30.3	2.115	3.055	6.6	20.1
12 17	3 19.35	+26 37.0	2.184	3.065	9.7	20.3
12 27	3 15.89	+25 47.7	2.277	3.074	12.5	20.5

96888 1999 TH_{34} 11 19.2 78°.94 0°.4/18.9 18

10 18	4 6.50	+19 15.6	1.652	2.509	14.3	19.5
10 28	3 59.98	+19 4.6	1.599	2.524	10.3	19.3
11 7	3 51.19	+18 47.6	1.569	2.539	5.8	19.1
11 17	3 41.12	+18 26.4	1.566	2.554	1.1	18.8
11 27	3 31.04	+18 4.1	1.591	2.569	3.9	19.0
12 7	3 22.18	+17 44.6	1.645	2.583	8.3	19.3
12 17	3 15.48	+17 31.7	1.724	2.598	12.2	19.6
12 27	3 11.50	+17 27.9	1.825	2.613	15.5	19.8

229920 1995 FB_{19} 11 19.2 171°.24 2°.6/17.8 18

10 18	4 5.47	+13 47.6	1.955	2.810	12.6	20.8
10 28	3 59.01	+13 9.4	1.889	2.813	9.1	20.6
11 7	3 50.59	+12 29.5	1.848	2.816	5.3	20.4
11 17	3 41.03	+11 51.1	1.835	2.818	2.7	20.3
11 27	3 31.36	+11 18.2	1.851	2.819	4.8	20.4
12 7	3 22.63	+10 54.5	1.896	2.820	8.5	20.6
12 17	3 15.68	+10 42.5	1.968	2.821	12.0	20.8
12 27	3 11.07	+10 43.3	2.061	2.821	14.9	21.1

8827 Kollwitz 11 19.2 58°.46 4°.4/17.5 18

10 18	4 6.37	+11 56.6	1.252	2.128	16.8	17.6
10 28	4 0.22	+11 8.5	1.210	2.144	12.2	17.4
11 7	3 51.42	+10 21.4	1.190	2.159	7.4	17.2
11 17	3 41.17	+ 9 41.1	1.195	2.176	4.4	17.1
11 27	3 31.01	+ 9 13.4	1.225	2.192	6.9	17.3
12 7	3 22.39	+ 9 2.0	1.281	2.209	11.3	17.6
12 17	3 16.32	+ 9 8.4	1.359	2.226	15.4	17.9
12 27	3 13.38	+ 9 31.8	1.457	2.243	18.8	18.1

229464 2005 UK_{226} 11 19.2 215°.87 1°.1/18.6 18

10 18	4 5.56	+18 55.0	1.743	2.600	13.7	21.1
10 28	3 59.40	+18 16.3	1.670	2.596	10.0	20.8
11 7	3 50.95	+17 30.3	1.621	2.591	5.6	20.6
11 17	3 41.11	+16 39.8	1.598	2.586	1.4	20.3
11 27	3 31.07	+15 49.7	1.605	2.581	4.2	20.5
12 7	3 22.06	+15 5.0	1.640	2.575	8.7	20.7
12 17	3 15.05	+14 30.5	1.701	2.569	12.7	21.0
12 27	3 10.70	+14 9.3	1.784	2.563	16.1	21.2

493093 2014 SY_{320} 11 19.2 357°.90 7°.0/22.3 17

10 18	4 10.46	+38 33.0	2.219	3.000	13.8	20.9
10 28	4 3.18	+39 48.5	2.142	2.999	11.4	20.7
11 7	3 53.27	+40 48.4	2.089	2.999	9.0	20.6
11 17	3 41.57	+41 28.0	2.062	2.999	7.3	20.5
11 27	3 29.34	+41 44.7	2.063	2.999	7.2	20.5
12 7	3 18.00	+41 40.4	2.092	2.999	8.8	20.6
12 17	3 8.74	+41 20.0	2.147	2.999	11.1	20.7
12 27	3 2.40	+40 50.6	2.225	2.999	13.5	20.9

69633 1998 FM_{65} 11 19.2 174°.64 0°.4/18.9 18

10 18	4 5.32	+20 3.7	2.216	3.059	11.7	20.8
10 28	3 58.77	+19 33.1	2.143	3.062	8.4	20.6
11 7	3 50.42	+18 55.9	2.096	3.065	4.8	20.3
11 17	3 41.01	+18 14.3	2.079	3.067	0.9	20.1
11 27	3 31.50	+17 31.5	2.092	3.068	3.3	20.3
12 7	3 22.86	+16 51.4	2.134	3.068	7.0	20.5
12 17	3 15.86	+16 17.9	2.205	3.068	10.4	20.7
12 27	3 11.04	+15 53.7	2.299	3.067	13.3	20.9

228787 2002 YH_{10} 11 19.2 21°.32 3°.3/20.8 18

10 18	4 3.27	+28 51.1	1.068	1.938	19.4	18.9
10 28	3 58.73	+28 29.9	1.019	1.946	14.6	18.6
11 7	3 50.88	+27 46.8	0.989	1.955	9.2	18.3
11 17	3 41.10	+26 43.0	0.982	1.966	4.1	18.1
11 27	3 31.31	+25 25.1	0.999	1.978	5.1	18.2
12 7	3 23.33	+24 3.6	1.040	1.991	10.3	18.5
12 17	3 18.40	+22 49.1	1.103	2.005	15.2	18.9
12 27	3 17.12	+21 49.3	1.185	2.020	19.3	19.2

220823 2004 TY_{310} 11 19.2 44°.24 5°.0/22.1 18

10 18	4 5.18	+34 16.8	1.957	2.771	14.2	19.9
10 28	3 59.12	+34 34.9	1.892	2.781	11.1	19.7
11 7	3 50.78	+34 36.3	1.851	2.790	8.0	19.5
11 17	3 41.08	+34 19.3	1.835	2.800	5.4	19.4
11 27	3 31.27	+33 45.1	1.847	2.810	5.4	19.4
12 7	3 22.57	+32 58.3	1.887	2.820	7.8	19.6
12 17	3 15.95	+32 5.0	1.953	2.831	10.8	19.8
12 27	3 12.02	+31 12.1	2.042	2.842	13.6	20.0

394951 2008 YF_{59} 11 19.2 293°.08 7°.3/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.47	+ 1 12.2	1.678	2.530	14.4	20.4
10 28	3 59.37	+ 0 43.1	1.608	2.519	11.3	20.1
11 7	3 50.98	+ 0 25.2	1.561	2.508	8.5	19.9
11 17	3 41.14	+ 0 23.5	1.540	2.497	7.3	19.9
11 27	3 31.01	+ 0 42.0	1.546	2.486	8.8	19.9
12 7	3 21.81	+ 1 21.5	1.578	2.475	11.9	20.1
12 17	3 14.55	+ 2 20.5	1.634	2.464	15.1	20.3
12 27	3 9.92	+ 3 36.0	1.710	2.453	18.1	20.5

209795 2005 GW_{33} 11 19.2 101°.13 7°.3/15.0 18

10 18	4 3.53	− 0 13.5	2.038	2.881	12.6	20.3
10 28	3 57.33	− 1 21.7	1.999	2.900	10.0	20.2
11 7	3 49.51	− 2 19.3	1.985	2.919	7.9	20.1
11 17	3 40.83	− 3 1.1	1.998	2.937	7.3	20.1
11 27	3 32.23	− 3 23.1	2.038	2.955	8.5	20.2
12 7	3 24.59	− 3 24.0	2.105	2.973	10.7	20.4
12 17	3 18.57	− 3 4.9	2.196	2.990	13.0	20.6
12 27	3 14.64	− 2 28.1	2.307	3.007	15.1	20.7

254450 2005 BQ_{48} 11 19.2 5°.75 6°.2/16.9 18

10 18	4 4.02	+ 9 13.7	1.100	1.986	17.8	20.0
10 28	3 59.02	+ 8 17.6	1.049	1.985	13.2	19.8
11 7	3 51.00	+ 7 25.4	1.018	1.985	8.6	19.5
11 17	3 41.15	+ 6 44.5	1.010	1.987	6.2	19.4
11 27	3 31.12	+ 6 22.0	1.026	1.988	8.7	19.5
12 7	3 22.58	+ 6 22.1	1.065	1.991	13.2	19.8
12 17	3 16.76	+ 6 45.3	1.125	1.995	17.7	20.1
12 27	3 14.36	+ 7 29.2	1.202	1.999	21.4	20.3

107171 2001 BC_{23} 11 19.2 93°.47 5°.1/23.1 18

10 18	4 6.78	+37 43.8	2.308	3.096	13.1	19.1
10 28	3 59.90	+37 44.7	2.247	3.115	10.5	19.0
11 7	3 51.05	+37 28.0	2.209	3.134	7.7	18.9
11 17	3 41.12	+36 52.5	2.197	3.152	5.6	18.8
11 27	3 31.24	+36 0.1	2.215	3.170	5.3	18.8
12 7	3 22.47	+34 55.4	2.261	3.188	7.1	18.9
12 17	3 15.63	+33 44.8	2.335	3.206	9.6	19.1
12 27	3 11.24	+32 34.7	2.434	3.223	12.0	19.3

439448 2013 XT_{18} 11 19.2 285°.35 0°.4/19.1 18

10 18	4 7.61	+18 32.6	1.457	2.319	15.6	21.3
10 28	4 1.42	+18 39.3	1.383	2.311	11.4	21.0
11 7	3 52.37	+18 41.2	1.331	2.302	6.5	20.7
11 17	3 41.43	+18 38.9	1.305	2.293	1.2	20.4
11 27	3 30.06	+18 34.5	1.307	2.285	4.4	20.6
12 7	3 19.81	+18 31.5	1.335	2.276	9.6	20.8
12 17	3 11.96	+18 33.6	1.388	2.268	14.3	21.1
12 27	3 7.34	+18 44.2	1.461	2.259	18.2	21.3

473621 2015 XA_{287} 11 19.2 354°.09 1°.9/18.4 18

10 18	4 3.36	+14 22.3	1.848	2.709	12.9	20.5
10 28	3 57.70	+14 20.2	1.779	2.707	9.3	20.2
11 7	3 49.97	+14 17.5	1.735	2.705	5.4	20.0
11 17	3 40.96	+14 16.0	1.718	2.704	2.0	19.8
11 27	3 31.75	+14 17.9	1.729	2.703	4.3	19.9
12 7	3 23.43	+14 25.5	1.768	2.702	8.3	20.2
12 17	3 16.90	+14 40.4	1.834	2.702	11.9	20.4
12 27	3 12.80	+15 3.8	1.921	2.702	15.1	20.6

409175 2003 UC_{245} 11 19.2 42°.87 4°.9/15.7 18

10 18	4 0.12	+ 9 25.4	1.909	2.774	12.3	20.0
10 28	3 55.05	+ 7 53.1	1.862	2.788	9.1	19.8
11 7	3 48.29	+ 6 22.7	1.841	2.802	6.1	19.6
11 17	3 40.63	+ 5 0.4	1.847	2.816	4.9	19.6
11 27	3 33.01	+ 3 52.5	1.882	2.831	6.7	19.7
12 7	3 26.34	+ 3 2.9	1.944	2.846	9.7	19.9
12 17	3 21.30	+ 2 33.5	2.031	2.861	12.6	20.2
12 27	3 18.36	+ 2 23.8	2.138	2.876	15.0	20.4

97146 1999 VR_{147} 11 19.2 232°.04 1°.1/19.8 18

10 18	4 5.28	+24 9.5	1.952	2.795	13.1	19.5
10 28	3 59.13	+23 51.1	1.871	2.788	9.6	19.3
11 7	3 50.81	+23 22.4	1.814	2.780	5.7	19.1
11 17	3 41.13	+22 44.1	1.785	2.772	1.6	18.8
11 27	3 31.22	+21 59.4	1.785	2.763	3.4	18.9
12 7	3 22.22	+21 12.8	1.815	2.755	7.6	19.1
12 17	3 15.08	+20 29.7	1.870	2.746	11.4	19.4
12 27	3 10.47	+19 54.5	1.949	2.736	14.7	19.6

315014 2007 BD_{35} 11 19.2 174°.11 2°.3/17.9 18

10 18	4 2.77	+13 15.9	2.239	3.092	11.2	21.1
10 28	3 56.91	+12 51.1	2.170	3.093	8.1	20.9
11 7	3 49.38	+12 25.6	2.127	3.094	4.8	20.7
11 17	3 40.86	+12 2.0	2.112	3.095	2.4	20.5
11 27	3 32.21	+11 43.2	2.127	3.095	4.2	20.7
12 7	3 24.33	+11 31.7	2.171	3.096	7.5	20.9
12 17	3 17.95	+11 29.4	2.242	3.096	10.7	21.1
12 27	3 13.59	+11 37.4	2.336	3.096	13.3	21.3

143954 2003 YY_{122} 11 19.2 354°.58 0°.4/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 4.23	+19 15.9	1.612	2.474	14.4	19.6
10 28	3 58.61	+19 7.8	1.544	2.472	10.4	19.4
11 7	3 50.60	+18 53.8	1.500	2.471	5.9	19.1
11 17	3 41.10	+18 35.2	1.482	2.470	1.1	18.8
11 27	3 31.37	+18 15.2	1.491	2.469	4.0	19.0
12 7	3 22.71	+17 57.6	1.528	2.469	8.6	19.3
12 17	3 16.16	+17 46.4	1.590	2.469	12.8	19.5
12 27	3 12.40	+17 44.5	1.673	2.469	16.3	19.8

447938 2008 AB_{80} 11 19.2 281°.78 0°.7/18.8 18

10 18	4 3.32	+19 9.6	1.902	2.757	12.8	21.8
10 28	3 57.75	+18 47.0	1.819	2.744	9.3	21.5
11 7	3 50.06	+18 18.1	1.761	2.732	5.3	21.2
11 17	3 41.00	+17 44.9	1.731	2.719	1.1	20.9
11 27	3 31.66	+17 10.7	1.729	2.706	3.7	21.1
12 7	3 23.14	+16 39.6	1.756	2.693	8.0	21.3
12 17	3 16.41	+16 15.7	1.808	2.680	11.9	21.5
12 27	3 12.12	+16 1.9	1.883	2.667	15.2	21.7

166263 2002 GW_{69} 11 19.2 92°.79 1°.6/18.4 18

10 18	4 6.71	+16 26.5	1.819	2.674	13.3	20.8
10 28	3 59.85	+16 0.7	1.771	2.696	9.5	20.6
11 7	3 51.02	+15 31.7	1.748	2.718	5.4	20.4
11 17	3 41.14	+15 2.1	1.752	2.739	1.7	20.2
11 27	3 31.34	+14 35.3	1.786	2.760	4.1	20.4
12 7	3 22.70	+14 15.0	1.849	2.781	8.1	20.7
12 17	3 16.03	+14 3.8	1.938	2.801	11.6	21.0
12 27	3 11.82	+14 3.2	2.049	2.821	14.6	21.2

458119 2010 DO_{70} 11 19.2 280°.15 2°.0/18.1 18

10 18	4 2.46	+13 18.3	2.390	3.242	10.7	21.5
10 28	3 56.78	+13 9.5	2.300	3.223	7.8	21.3
11 7	3 49.39	+13 0.5	2.236	3.203	4.6	21.1
11 17	3 40.88	+12 53.1	2.200	3.184	2.1	20.9
11 27	3 32.08	+12 49.3	2.195	3.165	3.9	21.0
12 7	3 23.87	+12 51.3	2.219	3.145	7.3	21.1
12 17	3 17.00	+13 0.6	2.270	3.126	10.5	21.3
12 27	3 12.08	+13 18.4	2.344	3.106	13.2	21.5

403769 2011 DL_{29} 11 19.2 9°.67 11°.2/13.3 16

10 18	3 58.60	− 5 34.1	1.504	2.359	15.6	20.1
10 28	3 54.38	− 7 3.9	1.465	2.362	13.2	20.0
11 7	3 48.09	− 8 14.9	1.449	2.367	11.5	19.9
11 17	3 40.62	− 8 59.2	1.455	2.373	11.3	19.9
11 27	3 33.13	− 9 11.3	1.484	2.380	12.6	20.0
12 7	3 26.71	− 8 50.6	1.535	2.389	14.8	20.1
12 17	3 22.20	− 8 0.4	1.607	2.398	17.1	20.3
12 27	3 20.14	− 6 46.0	1.695	2.409	19.3	20.5

75941 2000 CX_{82} 11 19.2 269°.02 1°.7/18.3 18

10 18	4 3.94	+16 7.9	1.903	2.760	12.7	19.1
10 28	3 58.18	+15 43.0	1.821	2.747	9.2	18.8
11 7	3 50.31	+15 14.5	1.763	2.733	5.3	18.5
11 17	3 41.06	+14 44.7	1.733	2.719	1.8	18.3
11 27	3 31.51	+14 17.1	1.731	2.705	4.3	18.4
12 7	3 22.78	+13 55.7	1.758	2.691	8.4	18.7
12 17	3 15.80	+13 43.4	1.811	2.676	12.2	18.9
12 27	3 11.26	+13 42.5	1.886	2.662	15.5	19.1

291770 2006 KX_{27} 11 19.2 97°.76 0°.1/19.2 18

10 18	4 5.74	+19 52.9	1.720	2.576	13.9	21.2
10 28	3 59.59	+19 48.4	1.651	2.576	10.1	21.0
11 7	3 51.11	+19 37.7	1.606	2.576	5.8	20.7
11 17	3 41.20	+19 21.9	1.588	2.576	1.0	20.4
11 27	3 31.08	+19 3.6	1.599	2.577	3.7	20.6
12 7	3 22.00	+18 46.4	1.637	2.577	8.3	20.9
12 17	3 14.97	+18 34.2	1.701	2.577	12.3	21.1
12 27	3 10.66	+18 30.2	1.787	2.577	15.7	21.4

48030 2001 DH_{39} 11 19.2 173°.91 2°.1/18.2 18

10 18	4 7.24	+16 6.0	1.724	2.581	13.9	20.3
10 28	4 0.54	+15 27.2	1.658	2.583	10.0	20.1
11 7	3 51.59	+14 44.2	1.616	2.585	5.7	19.9
11 17	3 41.29	+14 0.3	1.601	2.587	2.2	19.6
11 27	3 30.86	+13 20.0	1.616	2.588	4.7	19.8
12 7	3 21.52	+12 47.9	1.658	2.588	9.0	20.1
12 17	3 14.23	+12 27.6	1.727	2.588	12.9	20.3
12 27	3 9.62	+12 21.0	1.817	2.587	16.2	20.5

362313 2009 UL_{107} 11 19.2 64°.34 0°.9/18.7 18

10 18	4 5.18	+17 14.5	2.028	2.879	12.3	20.7
10 28	3 58.58	+17 6.0	1.986	2.909	8.8	20.5
11 7	3 50.25	+16 54.3	1.969	2.939	4.9	20.3
11 17	3 41.03	+16 41.1	1.981	2.968	1.2	20.1
11 27	3 31.91	+16 28.7	2.022	2.998	3.4	20.3
12 7	3 23.84	+16 19.8	2.093	3.027	7.1	20.6
12 17	3 17.54	+16 16.7	2.190	3.056	10.4	20.9
12 27	3 13.45	+16 20.8	2.310	3.085	13.0	21.1

271088 2003 QR_7 11 19.2 25°.53 9°.7/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	3 59.84	− 3 19.5	1.627	2.481	14.7	19.6
10 28	3 55.07	− 4 42.1	1.593	2.494	12.1	19.4
11 7	3 48.40	− 5 48.7	1.581	2.507	10.2	19.3
11 17	3 40.70	− 6 32.4	1.594	2.522	9.8	19.4
11 27	3 33.05	− 6 48.4	1.631	2.537	11.0	19.5
12 7	3 26.45	− 6 36.1	1.692	2.553	13.2	19.6
12 17	3 21.69	− 5 58.0	1.773	2.569	15.6	19.8
12 27	3 19.23	− 4 58.4	1.874	2.586	17.7	20.1

154217 2002 JR_{60} 11 19.2 237°.17 3°.4/21.1 17

10 18	4 5.35	+29 59.5	2.282	3.102	12.2	19.7
10 28	3 59.07	+30 23.4	2.202	3.099	9.4	19.5
11 7	3 50.77	+30 36.1	2.146	3.095	6.3	19.3
11 17	3 41.17	+30 36.0	2.117	3.092	3.8	19.1
11 27	3 31.30	+30 23.6	2.119	3.088	4.1	19.2
12 7	3 22.23	+30 1.7	2.149	3.084	6.9	19.3
12 17	3 14.86	+29 34.5	2.206	3.080	10.0	19.5
12 27	3 9.85	+29 7.0	2.288	3.076	12.7	19.7

295458 2008 PA_5 11 19.2 66°.07 6°.5/15.1 18

10 18	4 1.02	+ 1 58.5	2.099	2.950	12.0	20.3
10 28	3 55.53	+ 0 47.3	2.062	2.971	9.3	20.2
11 7	3 48.52	− 0 15.3	2.049	2.991	7.2	20.1
11 17	3 40.72	− 1 4.1	2.064	3.011	6.5	20.1
11 27	3 32.99	− 1 35.2	2.107	3.032	7.8	20.2
12 7	3 26.15	− 1 46.9	2.176	3.052	10.0	20.4
12 17	3 20.82	− 1 39.3	2.269	3.072	12.4	20.6
12 27	3 17.45	− 1 14.6	2.383	3.093	14.4	20.7

450922 2008 ED_1 11 19.2 286°.14 4°.1/21.3 17

10 18	4 5.50	+31 19.5	1.941	2.765	13.9	21.2
10 28	3 59.60	+31 33.1	1.850	2.749	10.8	21.0
11 7	3 51.26	+31 32.2	1.783	2.732	7.4	20.8
11 17	3 41.28	+31 14.8	1.741	2.715	4.5	20.6
11 27	3 30.87	+30 41.6	1.728	2.698	4.8	20.6
12 7	3 21.35	+29 56.7	1.743	2.681	8.0	20.7
12 17	3 13.81	+29 6.1	1.785	2.665	11.6	20.9
12 27	3 9.05	+28 16.6	1.849	2.648	14.9	21.1

44706 1999 SW_{24} 11 19.2 12°.85 1°.2/18.7 18

10 18	4 4.41	+18 10.0	1.631	2.494	14.2	19.6
10 28	3 58.67	+17 43.9	1.566	2.494	10.3	19.3
11 7	3 50.61	+17 12.1	1.523	2.495	5.8	19.1
11 17	3 41.14	+16 37.2	1.508	2.495	1.4	18.8
11 27	3 31.51	+16 3.2	1.520	2.496	4.3	19.0
12 7	3 22.96	+15 34.7	1.560	2.497	8.8	19.3
12 17	3 16.48	+15 15.6	1.624	2.498	12.9	19.5
12 27	3 12.73	+15 8.6	1.710	2.499	16.3	19.7

272178 2005 OA_{28} 11 19.2 81°.10 2°.2/18.1 18

10 18	4 6.48	+17 12.8	1.438	2.304	15.5	20.5
10 28	4 0.14	+16 19.7	1.389	2.319	11.2	20.2
11 7	3 51.37	+15 21.0	1.363	2.334	6.3	20.0
11 17	3 41.26	+14 21.3	1.363	2.349	2.3	19.8
11 27	3 31.22	+13 26.8	1.390	2.364	5.1	20.0
12 7	3 22.57	+12 43.3	1.445	2.378	9.7	20.3
12 17	3 16.28	+12 14.8	1.523	2.393	13.9	20.6
12 27	3 12.90	+12 2.9	1.622	2.407	17.3	20.9

303163 2004 EL_{68} 11 19.2 320°.27 2°.3/18.1 18

10 18	4 2.11	+15 44.8	1.574	2.443	14.2	20.1
10 28	3 57.21	+15 8.4	1.497	2.429	10.4	19.9
11 7	3 49.90	+14 27.6	1.444	2.415	6.0	19.6
11 17	3 41.04	+13 46.0	1.416	2.402	2.4	19.3
11 27	3 31.84	+13 8.6	1.416	2.389	5.1	19.5
12 7	3 23.61	+12 40.3	1.442	2.377	9.7	19.7
12 17	3 17.39	+12 25.0	1.493	2.365	13.9	19.9
12 27	3 13.94	+12 24.6	1.564	2.354	17.5	20.1

48106 2001 FV_{70} 11 19.2 96°.25 0°.4/19.0 18

10 18	4 5.98	+18 58.4	1.805	2.659	13.5	19.4
10 28	3 59.58	+18 52.4	1.744	2.667	9.7	19.2
11 7	3 51.03	+18 41.3	1.707	2.676	5.5	18.9
11 17	3 41.22	+18 26.3	1.697	2.685	1.0	18.6
11 27	3 31.31	+18 10.0	1.717	2.694	3.6	18.9
12 7	3 22.46	+17 55.9	1.764	2.702	7.9	19.2
12 17	3 15.58	+17 47.1	1.838	2.711	11.7	19.4
12 27	3 11.26	+17 46.3	1.935	2.719	14.9	19.6

167312 2003 UG_{240} 11 19.2 135°.86 0°.7/18.8 18

10 18	4 4.59	+19 43.2	1.860	2.714	13.1	20.8
10 28	3 58.53	+19 6.7	1.794	2.718	9.5	20.6
11 7	3 50.41	+18 23.1	1.753	2.723	5.3	20.3
11 17	3 41.11	+17 35.1	1.740	2.728	1.1	20.0
11 27	3 31.72	+16 46.9	1.756	2.732	3.7	20.3
12 7	3 23.35	+16 3.3	1.800	2.736	7.9	20.5
12 17	3 16.86	+15 28.6	1.871	2.740	11.7	20.8
12 27	3 12.82	+15 5.7	1.964	2.744	14.8	21.0

229703 2007 EP_{69} 11 19.2 239°.20 2°.0/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.87	+15 55.8	1.736	2.594	13.7	21.6
10 28	3 59.71	+15 25.1	1.659	2.586	9.9	21.3
11 7	3 51.24	+14 50.3	1.606	2.576	5.7	21.0
11 17	3 41.29	+14 14.4	1.581	2.567	2.1	20.8
11 27	3 31.05	+13 41.5	1.584	2.557	4.7	20.9
12 7	3 21.77	+13 16.0	1.615	2.546	9.1	21.2
12 17	3 14.46	+13 1.4	1.671	2.536	13.1	21.4
12 27	3 9.83	+12 59.7	1.749	2.525	16.5	21.6

515578 2014 HG_{167} 11 19.2 92°.67 4°.1/17.2 18

10 18	4 3.84	+ 9 56.6	1.827	2.688	13.0	21.5
10 28	3 57.92	+ 9 16.4	1.770	2.695	9.6	21.3
11 7	3 50.05	+ 8 38.4	1.738	2.702	6.0	21.1
11 17	3 41.06	+ 8 6.5	1.733	2.710	4.1	21.0
11 27	3 32.01	+ 7 44.9	1.756	2.717	5.9	21.2
12 7	3 23.95	+ 7 36.4	1.807	2.724	9.3	21.4
12 17	3 17.69	+ 7 42.2	1.883	2.731	12.6	21.6
12 27	3 13.79	+ 8 2.0	1.980	2.738	15.5	21.8

210862 2001 RF_{53} 11 19.2 115°.79 0°.3/19.0 18

10 18	4 4.28	+20 31.1	2.046	2.895	12.3	20.5
10 28	3 58.12	+20 0.8	1.984	2.906	8.9	20.3
11 7	3 50.12	+19 23.6	1.947	2.916	5.0	20.1
11 17	3 41.07	+18 41.8	1.938	2.926	0.9	19.8
11 27	3 31.99	+17 58.9	1.959	2.936	3.3	20.0
12 7	3 23.88	+17 19.1	2.010	2.946	7.2	20.3
12 17	3 17.50	+16 46.2	2.087	2.955	10.7	20.5
12 27	3 13.38	+16 23.0	2.187	2.964	13.6	20.7

164586 Arlette 11 19.2 158°.39 0°.8/18.8 18

10 18	4 5.31	+19 46.8	1.970	2.820	12.7	20.8
10 28	3 58.94	+19 5.3	1.903	2.825	9.1	20.6
11 7	3 50.62	+18 16.7	1.861	2.830	5.1	20.3
11 17	3 41.17	+17 23.7	1.847	2.834	1.1	20.1
11 27	3 31.65	+16 30.6	1.863	2.838	3.7	20.3
12 7	3 23.10	+15 42.1	1.908	2.842	7.7	20.5
12 17	3 16.38	+15 2.6	1.979	2.845	11.3	20.8
12 27	3 12.02	+14 35.0	2.074	2.847	14.4	21.0

246128 2007 LY_{18} 11 19.2 62°.48 3°.1/17.9 18

10 18	4 4.63	+ 9 41.4	2.134	2.985	11.8	19.5
10 28	3 58.14	+ 9 37.9	2.089	3.009	8.5	19.4
11 7	3 50.03	+ 9 37.5	2.069	3.033	5.2	19.2
11 17	3 41.05	+ 9 42.0	2.078	3.058	3.1	19.1
11 27	3 32.11	+ 9 53.3	2.117	3.082	4.7	19.3
12 7	3 24.12	+10 12.3	2.185	3.106	7.7	19.5
12 17	3 17.73	+10 39.4	2.280	3.130	10.6	19.7
12 27	3 13.44	+11 14.5	2.398	3.154	13.1	20.0

404555 2013 JY_{40} 11 19.2 55°.32 2°.7/17.8 18

10 18	4 2.58	+12 45.8	1.969	2.828	12.3	20.2
10 28	3 56.94	+12 19.9	1.910	2.836	8.9	20.0
11 7	3 49.47	+11 54.1	1.876	2.844	5.3	19.8
11 17	3 40.96	+11 31.2	1.869	2.852	2.7	19.6
11 27	3 32.38	+11 14.5	1.891	2.860	4.7	19.8
12 7	3 24.70	+11 6.5	1.942	2.868	8.2	20.0
12 17	3 18.69	+11 9.0	2.018	2.876	11.5	20.2
12 27	3 14.89	+11 22.6	2.117	2.885	14.3	20.4

512821 2016 UQ_{103} 11 19.2 155°.40 0°.7/18.8 18

10 18	4 7.28	+18 48.8	1.993	2.840	12.7	22.1
10 28	4 0.35	+18 26.9	1.927	2.848	9.1	21.9
11 7	3 51.42	+17 59.4	1.887	2.856	5.1	21.7
11 17	3 41.32	+17 28.3	1.875	2.862	1.1	21.4
11 27	3 31.15	+16 56.8	1.893	2.868	3.6	21.6
12 7	3 21.97	+16 28.7	1.940	2.874	7.6	21.9
12 17	3 14.63	+16 7.4	2.014	2.879	11.2	22.1
12 27	3 9.71	+15 55.6	2.112	2.883	14.2	22.3

491448 2012 FD_{65} 11 19.2 243°.17 4°.6/21.6 17

10 18	4 6.90	+32 44.5	2.251	3.060	12.7	21.8
10 28	4 0.34	+33 23.0	2.171	3.057	10.0	21.7
11 7	3 51.58	+33 48.9	2.114	3.054	7.1	21.5
11 17	3 41.39	+33 59.5	2.085	3.050	4.9	21.3
11 27	3 30.86	+33 54.5	2.085	3.047	5.0	21.3
12 7	3 21.17	+33 36.5	2.114	3.043	7.4	21.5
12 17	3 13.29	+33 9.8	2.170	3.040	10.3	21.7
12 27	3 7.91	+32 40.3	2.249	3.036	13.0	21.8

56002 1998 SJ_{147} 11 19.2 346°.58 3°.2/17.9 18

10 18	4 1.92	+15 16.2	1.153	2.039	17.1	18.7
10 28	3 57.63	+14 30.9	1.091	2.030	12.5	18.4
11 7	3 50.36	+13 40.9	1.050	2.023	7.3	18.1
11 17	3 41.18	+12 51.5	1.032	2.017	3.3	17.8
11 27	3 31.69	+12 9.8	1.039	2.012	6.4	18.0
12 7	3 23.53	+11 42.2	1.070	2.008	11.7	18.3
12 17	3 17.98	+11 32.7	1.122	2.006	16.6	18.5
12 27	3 15.82	+11 42.5	1.192	2.004	20.7	18.8

157858 1998 UO_{37} 11 19.2 30°.54 3°.2/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 6.87	+26 23.9	1.820	2.660	14.0	19.0
10 28	4 0.46	+27 11.2	1.759	2.669	10.5	18.8
11 7	3 51.67	+27 48.9	1.721	2.679	6.7	18.6
11 17	3 41.41	+28 14.5	1.709	2.689	3.5	18.5
11 27	3 30.91	+28 27.9	1.727	2.700	4.3	18.5
12 7	3 21.48	+28 31.4	1.772	2.711	7.8	18.8
12 17	3 14.13	+28 29.2	1.844	2.723	11.3	19.0
12 27	3 9.55	+28 26.0	1.938	2.736	14.4	19.2

291734 2006 JQ_{47} 11 19.2 155°.72 0°.5/18.9 18

10 18	4 6.52	+18 22.5	1.983	2.832	12.6	20.6
10 28	3 59.88	+18 17.7	1.915	2.837	9.1	20.4
11 7	3 51.20	+18 8.6	1.872	2.841	5.2	20.2
11 17	3 41.31	+17 56.3	1.858	2.845	1.0	19.9
11 27	3 31.27	+17 43.0	1.873	2.849	3.5	20.1
12 7	3 22.17	+17 31.8	1.917	2.852	7.6	20.3
12 17	3 14.88	+17 25.6	1.988	2.855	11.2	20.6
12 27	3 10.00	+17 26.7	2.082	2.858	14.2	20.8

234348 2001 FV_{158} 11 19.2 140°.17 2°.6/20.9 18

10 18	4 4.80	+28 51.7	2.683	3.499	10.7	20.6
10 28	3 58.33	+29 7.5	2.611	3.508	8.1	20.5
11 7	3 50.22	+29 13.8	2.564	3.516	5.3	20.3
11 17	3 41.13	+29 9.8	2.547	3.524	2.9	20.2
11 27	3 31.91	+28 56.5	2.560	3.531	3.3	20.2
12 7	3 23.42	+28 36.4	2.603	3.538	5.9	20.4
12 17	3 16.39	+28 12.7	2.674	3.545	8.6	20.6
12 27	3 11.33	+27 49.4	2.771	3.551	10.9	20.7

408174 2013 CC_{198} 11 19.2 49°.19 5°.8/17.1 18

10 18	4 5.82	+ 3 42.2	1.772	2.625	13.7	20.5
10 28	3 59.42	+ 3 27.3	1.713	2.628	10.5	20.3
11 7	3 50.96	+ 3 21.4	1.679	2.632	7.4	20.2
11 17	3 41.27	+ 3 28.2	1.671	2.637	5.8	20.1
11 27	3 31.46	+ 3 50.2	1.691	2.641	7.3	20.2
12 7	3 22.66	+ 4 27.8	1.739	2.645	10.3	20.4
12 17	3 15.74	+ 5 20.0	1.811	2.650	13.5	20.6
12 27	3 11.29	+ 6 24.5	1.905	2.654	16.3	20.8

133920 2004 RH_{310} 11 19.2 264°.06 0°.9/18.8 17

10 18	4 3.80	+16 37.1	2.284	3.133	11.2	20.0
10 28	3 57.81	+16 41.5	2.204	3.125	8.1	19.8
11 7	3 50.02	+16 44.0	2.149	3.118	4.6	19.5
11 17	3 41.11	+16 45.2	2.123	3.111	1.1	19.3
11 27	3 31.95	+16 46.9	2.128	3.104	3.3	19.4
12 7	3 23.49	+16 50.8	2.162	3.096	6.9	19.6
12 17	3 16.50	+16 59.0	2.223	3.089	10.3	19.8
12 27	3 11.60	+17 13.2	2.309	3.081	13.1	20.0

286561 2002 CP_{186} 11 19.2 263°.38 1°.1/19.7 17

10 18	4 8.05	+23 7.2	1.411	2.269	16.3	21.2
10 28	4 1.94	+22 58.7	1.334	2.258	12.1	20.9
11 7	3 52.80	+22 38.7	1.279	2.248	7.1	20.6
11 17	3 41.66	+22 7.5	1.249	2.237	1.9	20.3
11 27	3 30.07	+21 28.3	1.247	2.225	4.3	20.4
12 7	3 19.68	+20 47.1	1.271	2.214	9.7	20.7
12 17	3 11.85	+20 10.6	1.319	2.203	14.6	20.9
12 27	3 7.41	+19 44.6	1.387	2.191	18.7	21.2

367023 2006 BP_{177} 11 19.2 193°.31 4°.7/16.0 18

10 18	4 0.87	+ 4 55.2	2.502	3.350	10.4	21.5
10 28	3 55.43	+ 4 8.8	2.437	3.349	7.9	21.3
11 7	3 48.56	+ 3 26.9	2.397	3.348	5.6	21.2
11 17	3 40.85	+ 2 53.3	2.386	3.346	4.8	21.1
11 27	3 33.04	+ 2 31.3	2.404	3.344	6.0	21.2
12 7	3 25.89	+ 2 22.9	2.450	3.342	8.4	21.3
12 17	3 20.00	+ 2 28.9	2.522	3.340	10.8	21.5
12 27	3 15.86	+ 2 48.6	2.616	3.337	13.0	21.7

216595 2002 PB_{8} 11 19.2 12°.54 1°.8/19.9 18

10 18	3 55.80	+23 50.2	0.706	1.617	21.8	18.9
10 28	3 54.14	+23 46.0	0.674	1.624	16.1	18.7
11 7	3 48.65	+23 23.9	0.658	1.634	9.4	18.4
11 17	3 40.89	+22 46.5	0.660	1.647	2.8	18.1
11 27	3 33.11	+22 1.3	0.682	1.664	5.4	18.3
12 7	3 27.39	+21 17.9	0.724	1.683	11.7	18.7
12 17	3 25.05	+20 44.7	0.785	1.705	17.4	19.1
12 27	3 26.66	+20 26.6	0.862	1.729	21.9	19.5

224785 2006 QN_{164} 11 19.2 21°.03 16°.4/ 8.3 18

10 18	4 2.92	− 3 4.4	0.925	1.808	20.6	19.1
10 28	3 58.39	− 7 7.8	0.898	1.810	17.7	19.0
11 7	3 50.72	−10 48.3	0.891	1.813	16.4	18.9
11 17	3 41.26	−13 43.2	0.905	1.817	17.1	19.0
11 27	3 31.82	−15 37.5	0.940	1.822	19.5	19.2
12 7	3 24.11	−16 28.2	0.992	1.827	22.4	19.4
12 17	3 19.27	−16 21.8	1.058	1.832	25.2	19.6
12 27	3 17.92	−15 29.7	1.135	1.838	27.5	19.8

259595 2003 UX_{250} 11 19.2 4°.46 2°.3/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.02	+25 14.5	1.112	1.985	18.6	19.9
10 28	4 0.14	+25 12.7	1.054	1.984	13.9	19.6
11 7	3 51.90	+24 55.2	1.015	1.984	8.4	19.3
11 17	3 41.52	+24 22.2	0.999	1.985	3.0	19.0
11 27	3 30.85	+23 37.8	1.007	1.987	4.9	19.1
12 7	3 21.80	+22 49.6	1.040	1.989	10.5	19.4
12 17	3 15.74	+22 5.9	1.094	1.993	15.6	19.7
12 27	3 13.46	+21 33.5	1.168	1.997	19.9	20.0

421938 2014 QH_{249} 11 19.2 230°.41 0°.6/19.5 17

10 18	4 4.48	+21 11.4	2.216	3.060	11.7	21.5
10 28	3 58.37	+21 21.8	2.140	3.058	8.5	21.3
11 7	3 50.38	+21 26.7	2.090	3.057	4.9	21.0
11 17	3 41.21	+21 26.4	2.067	3.055	1.2	20.8
11 27	3 31.83	+21 22.0	2.075	3.053	3.0	20.9
12 7	3 23.21	+21 16.1	2.112	3.051	6.7	21.2
12 17	3 16.19	+21 11.3	2.176	3.049	10.1	21.4
12 27	3 11.37	+21 10.7	2.265	3.047	13.0	21.6

329888 2005 EU_{230} 11 19.2 229°.26 4°.5/17.2 17

10 18	4 6.64	+10 55.7	1.538	2.402	14.8	21.4
10 28	4 0.44	+10 3.6	1.469	2.396	10.9	21.1
11 7	3 51.74	+ 9 11.6	1.423	2.389	6.9	20.9
11 17	3 41.48	+ 8 24.9	1.404	2.382	4.5	20.7
11 27	3 30.95	+ 7 49.3	1.412	2.374	6.8	20.8
12 7	3 21.51	+ 7 29.5	1.447	2.366	10.9	21.1
12 17	3 14.24	+ 7 27.7	1.505	2.358	15.0	21.3
12 27	3 9.84	+ 7 44.0	1.583	2.350	18.4	21.5

33050 1997 UR_{6} 11 19.2 283°.73 0°.4/19.4 18 R

10 18	4 6.07	+21 25.3	1.590	2.447	14.8	20.1
10 28	4 0.27	+21 18.9	1.508	2.432	10.9	19.8
11 7	3 51.78	+21 3.9	1.448	2.417	6.3	19.5
11 17	3 41.51	+20 41.0	1.414	2.402	1.3	19.1
11 27	3 30.77	+20 13.1	1.408	2.386	4.0	19.3
12 7	3 21.02	+19 44.7	1.429	2.371	9.0	19.6
12 17	3 13.46	+19 20.9	1.475	2.356	13.5	19.8
12 27	3 8.92	+19 6.4	1.543	2.341	17.4	20.0

289759 2005 JG_{75} 11 19.2 112°.03 0°.1/19.2 16

10 18	4 9.44	+23 1.2	1.745	2.589	14.3	21.1
10 28	4 1.92	+22 2.6	1.693	2.612	10.3	20.9
11 7	3 52.26	+20 52.9	1.666	2.634	5.8	20.7
11 17	3 41.52	+19 35.9	1.667	2.655	1.1	20.4
11 27	3 30.97	+18 17.4	1.699	2.676	3.7	20.6
12 7	3 21.77	+17 4.2	1.760	2.696	8.1	20.9
12 17	3 14.76	+16 2.1	1.847	2.715	11.9	21.2
12 27	3 10.44	+15 14.7	1.957	2.733	15.0	21.5

361761 2007 YE_{66} 11 19.2 268°.30 0°.9/18.7 17

10 18	4 4.31	+17 53.4	2.077	2.929	12.1	22.0
10 28	3 58.44	+17 36.0	1.986	2.909	8.8	21.8
11 7	3 50.52	+17 13.8	1.920	2.889	5.0	21.5
11 17	3 41.26	+16 48.7	1.882	2.869	1.2	21.2
11 27	3 31.64	+16 23.2	1.873	2.849	3.7	21.4
12 7	3 22.72	+16 1.1	1.893	2.828	7.7	21.6
12 17	3 15.42	+15 45.4	1.941	2.807	11.5	21.8
12 27	3 10.43	+15 39.1	2.011	2.785	14.7	22.0

264257 4114 $T\text{-}_{3}$ 11 19.2 25°.14 0°.2/19.2 18

10 18	4 9.13	+17 55.6	1.146	2.020	18.1	19.5
10 28	4 2.94	+18 20.0	1.091	2.024	13.2	19.2
11 7	3 53.43	+18 40.6	1.056	2.028	7.5	18.9
11 17	3 41.81	+18 57.2	1.045	2.034	1.4	18.5
11 27	3 29.91	+19 11.0	1.060	2.039	4.8	18.8
12 7	3 19.59	+19 24.9	1.100	2.045	10.6	19.1
12 17	3 12.24	+19 42.6	1.163	2.052	15.7	19.4
12 27	3 8.65	+20 6.9	1.244	2.059	19.8	19.7

305891 2009 FW_{22} 11 19.2 256°.68 0°.5/19.4 18

10 18	4 6.71	+20 31.0	2.009	2.854	12.6	21.1
10 28	4 0.27	+20 43.6	1.922	2.841	9.3	20.9
11 7	3 51.61	+20 51.1	1.860	2.827	5.4	20.6
11 17	3 41.47	+20 53.2	1.826	2.814	1.2	20.3
11 27	3 30.94	+20 51.2	1.822	2.800	3.4	20.5
12 7	3 21.18	+20 47.6	1.847	2.785	7.6	20.7
12 17	3 13.19	+20 45.5	1.899	2.771	11.4	20.9
12 27	3 7.70	+20 48.1	1.974	2.756	14.7	21.1

484943 2009 SW_{190} 11 19.2 319°.28 4°.4/21.6 17

10 18	4 5.01	+32 20.8	2.057	2.876	13.4	20.9
10 28	3 59.11	+32 43.8	1.977	2.870	10.5	20.7
11 7	3 50.96	+32 52.7	1.921	2.865	7.3	20.5
11 17	3 41.35	+32 45.6	1.891	2.860	4.8	20.4
11 27	3 31.44	+32 23.0	1.889	2.855	4.9	20.4
12 7	3 22.44	+31 48.3	1.915	2.851	7.6	20.5
12 17	3 15.34	+31 6.9	1.968	2.846	10.8	20.7
12 27	3 10.85	+30 24.9	2.044	2.842	13.7	20.9

410845 2009 RH_{10} 11 19.2 344°.67 4°.1/21.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 4.86	+30 29.0	1.908	2.737	13.9	20.7
10 28	3 59.11	+30 57.7	1.832	2.733	10.7	20.5
11 7	3 51.00	+31 13.3	1.779	2.729	7.3	20.3
11 17	3 41.36	+31 13.8	1.752	2.726	4.5	20.1
11 27	3 31.40	+30 59.5	1.753	2.723	4.8	20.1
12 7	3 22.39	+30 33.8	1.782	2.720	7.8	20.3
12 17	3 15.38	+30 1.9	1.837	2.718	11.3	20.5
12 27	3 11.09	+29 29.8	1.914	2.716	14.4	20.7

248943 2006 WU_{130} 11 19.2 73°.85 10°.8/12.7 18

10 18	4 2.20	− 9 1.7	1.882	2.708	14.2	19.7
10 28	3 56.63	−10 35.5	1.849	2.720	12.3	19.6
11 7	3 49.30	−11 50.6	1.839	2.731	11.0	19.6
11 17	3 41.01	−12 40.2	1.853	2.743	10.9	19.6
11 27	3 32.75	−13 0.0	1.891	2.755	12.0	19.7
12 7	3 25.48	−12 49.5	1.953	2.767	13.7	19.9
12 17	3 19.90	−12 11.6	2.035	2.779	15.6	20.0
12 27	3 16.51	−11 10.9	2.134	2.791	17.2	20.2

222168 2000 AH_{116} 11 19.2 283°.82 6°.0/15.4 18

10 18	4 1.61	+ 2 3.7	2.322	3.167	11.2	20.0
10 28	3 56.23	+ 1 16.6	2.235	3.142	8.8	19.8
11 7	3 49.17	+ 0 35.6	2.174	3.117	6.7	19.7
11 17	3 41.02	+ 0 5.4	2.141	3.092	6.0	19.6
11 27	3 32.58	− 0 10.1	2.135	3.066	7.3	19.6
12 7	3 24.70	− 0 8.5	2.158	3.041	9.8	19.7
12 17	3 18.15	+ 0 10.7	2.205	3.015	12.4	19.9
12 27	3 13.51	+ 0 46.5	2.273	2.988	14.9	20.0

289382 2005 CX_{24} 11 19.2 325°.48 2°.5/20.6 18

10 18	4 3.68	+28 2.4	1.506	2.357	15.8	20.0
10 28	3 58.62	+27 37.6	1.429	2.347	11.9	19.8
11 7	3 50.85	+26 55.4	1.374	2.337	7.5	19.5
11 17	3 41.36	+25 56.5	1.344	2.328	3.2	19.2
11 27	3 31.56	+24 45.0	1.341	2.319	4.2	19.2
12 7	3 22.94	+23 28.5	1.365	2.311	8.9	19.5
12 17	3 16.68	+22 15.5	1.413	2.303	13.4	19.7
12 27	3 13.51	+21 13.4	1.483	2.296	17.2	20.0

351424 2005 GL_{48} 11 19.2 170°.05 1°.1/18.6 18

10 18	4 4.43	+17 52.0	2.052	2.904	12.2	21.7
10 28	3 58.33	+17 24.2	1.982	2.906	8.8	21.5
11 7	3 50.34	+16 51.7	1.938	2.908	5.0	21.3
11 17	3 41.23	+16 16.6	1.922	2.909	1.3	21.0
11 27	3 32.00	+15 42.6	1.935	2.910	3.7	21.2
12 7	3 23.65	+15 13.1	1.978	2.911	7.5	21.4
12 17	3 16.99	+14 51.6	2.047	2.912	11.0	21.7
12 27	3 12.59	+14 40.2	2.140	2.912	14.0	21.9

63621 2001 QZ_{78} 11 19.2 29°.46 1°.8/19.9 18

10 18	4 5.62	+23 49.1	1.126	1.999	18.4	17.8
10 28	4 0.29	+23 54.3	1.081	2.012	13.5	17.6
11 7	3 51.82	+23 46.5	1.056	2.026	8.0	17.3
11 17	3 41.52	+23 26.2	1.055	2.041	2.5	17.0
11 27	3 31.20	+22 57.2	1.078	2.058	4.6	17.2
12 7	3 22.60	+22 25.9	1.126	2.075	9.9	17.6
12 17	3 16.92	+21 59.0	1.197	2.093	14.7	17.9
12 27	3 14.78	+21 41.4	1.287	2.112	18.7	18.2

83087 2001 QM_{229} 11 19.2 136°.31 4°.4/16.3 18

10 18	4 2.64	+ 9 17.4	2.107	2.963	11.7	19.5
10 28	3 56.87	+ 8 6.9	2.049	2.970	8.7	19.3
11 7	3 49.44	+ 6 57.9	2.017	2.977	5.7	19.1
11 17	3 41.07	+ 5 55.3	2.013	2.984	4.4	19.1
11 27	3 32.68	+ 5 4.0	2.039	2.991	6.1	19.2
12 7	3 25.14	+ 4 27.7	2.093	2.997	9.0	19.4
12 17	3 19.16	+ 4 8.0	2.172	3.003	11.9	19.6
12 27	3 15.23	+ 4 5.0	2.273	3.008	14.4	19.8

354590 2004 XW_{27} 11 19.2 340°.90 0°.3/19.1 18

10 18	4 4.68	+18 30.9	1.339	2.211	16.1	20.4
10 28	3 59.53	+18 40.4	1.269	2.202	11.8	20.1
11 7	3 51.48	+18 45.2	1.221	2.193	6.7	19.8
11 17	3 41.51	+18 45.9	1.198	2.186	1.3	19.5
11 27	3 31.11	+18 45.0	1.201	2.179	4.4	19.7
12 7	3 21.87	+18 45.8	1.229	2.174	9.8	20.0
12 17	3 15.09	+18 51.9	1.281	2.169	14.6	20.2
12 27	3 11.61	+19 6.4	1.352	2.165	18.6	20.5

83380 2001 SQ_{14} 11 19.3 127°.22 1°.9/20.3 18

10 18	4 5.45	+25 46.6	1.996	2.834	13.0	20.2
10 28	3 59.24	+25 46.9	1.926	2.838	9.7	20.0
11 7	3 50.95	+25 36.9	1.880	2.842	5.9	19.8
11 17	3 41.38	+25 16.6	1.861	2.846	2.4	19.6
11 27	3 31.66	+24 48.0	1.872	2.849	3.4	19.7
12 7	3 22.90	+24 15.1	1.912	2.852	7.2	19.9
12 17	3 16.00	+23 42.5	1.978	2.856	10.7	20.1
12 27	3 11.58	+23 14.7	2.068	2.859	13.8	20.3

118016 1437 $T\text{-}_2$ 11 19.3 183°.67 2°.9/21.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.56	+29 33.4	2.504	3.324	11.3	20.2
10 28	3 57.64	+29 43.0	2.426	3.324	8.6	20.0
11 7	3 49.96	+29 42.1	2.373	3.324	5.7	19.8
11 17	3 41.21	+29 29.9	2.347	3.324	3.2	19.7
11 27	3 32.28	+29 7.5	2.352	3.323	3.5	19.7
12 7	3 24.09	+28 37.9	2.386	3.323	6.2	19.9
12 17	3 17.42	+28 5.0	2.448	3.323	9.1	20.1
12 27	3 12.81	+27 33.0	2.535	3.322	11.6	20.2

296931 2010 CF_{232} 11 19.3 172°.03 3°.3/17.4 18

10 18	4 2.28	+ 9 26.8	2.388	3.239	10.7	20.2
10 28	3 56.55	+ 9 5.9	2.320	3.240	7.9	20.0
11 7	3 49.28	+ 8 47.3	2.278	3.241	5.0	19.9
11 17	3 41.09	+ 8 33.6	2.265	3.241	3.3	19.8
11 27	3 32.78	+ 8 27.3	2.281	3.242	4.7	19.9
12 7	3 25.16	+ 8 30.1	2.327	3.242	7.6	20.0
12 17	3 18.92	+ 8 43.1	2.399	3.242	10.4	20.2
12 27	3 14.54	+ 9 6.4	2.494	3.243	12.9	20.4

149610 2004 DT_{61} 11 19.3 124°.36 0°.3/19.4 18

10 18	4 9.27	+21 11.8	1.734	2.582	14.2	20.9
10 28	4 2.06	+21 4.2	1.676	2.595	10.3	20.7
11 7	3 52.55	+20 48.9	1.641	2.609	5.9	20.4
11 17	3 41.70	+20 27.0	1.634	2.622	1.2	20.1
11 27	3 30.80	+20 1.2	1.656	2.634	3.6	20.3
12 7	3 21.12	+19 35.7	1.707	2.646	8.1	20.6
12 17	3 13.60	+19 14.9	1.784	2.657	12.0	20.9
12 27	3 8.86	+19 2.2	1.883	2.667	15.2	21.1

12336 1992 WO_3 11 19.3 334°.64 6°.0/14.8 18

10 18	3 57.37	+19 8.3	0.979	1.876	18.4	15.7
10 28	3 54.83	+15 49.9	0.905	1.851	13.4	15.3
11 7	3 49.04	+11 59.8	0.853	1.828	8.1	14.9
11 17	3 41.11	+ 7 55.5	0.826	1.806	6.2	14.7
11 27	3 32.75	+ 4 2.8	0.825	1.786	10.6	14.9
12 7	3 25.77	+ 0 45.9	0.848	1.768	16.6	15.2
12 17	3 21.56	− 1 40.5	0.890	1.751	22.0	15.4
12 27	3 20.96	− 3 13.3	0.948	1.737	26.4	15.7

50944 2000 GA_{72} 11 19.3 258°.22 1°.0/19.7 18

10 18	4 6.27	+22 12.5	2.046	2.888	12.6	19.3
10 28	3 59.97	+22 22.1	1.958	2.874	9.3	19.1
11 7	3 51.48	+22 25.1	1.894	2.860	5.5	18.8
11 17	3 41.54	+22 21.2	1.859	2.846	1.5	18.5
11 27	3 31.21	+22 11.6	1.853	2.831	3.3	18.6
12 7	3 21.64	+21 59.2	1.876	2.816	7.4	18.9
12 17	3 13.82	+21 47.6	1.927	2.801	11.2	19.1
12 27	3 8.46	+21 40.4	2.000	2.785	14.4	19.2

494792 2006 UY_{282} 11 19.3 91°.44 1°.3/19.9 18

10 18	4 5.80	+23 52.3	1.928	2.772	13.2	21.4
10 28	3 59.49	+23 53.5	1.865	2.781	9.7	21.2
11 7	3 51.08	+23 45.7	1.826	2.791	5.7	21.0
11 17	3 41.44	+23 29.4	1.814	2.800	1.9	20.8
11 27	3 31.69	+23 6.6	1.831	2.809	3.3	20.9
12 7	3 22.95	+22 41.1	1.878	2.819	7.3	21.1
12 17	3 16.13	+22 17.2	1.950	2.828	10.9	21.4
12 27	3 11.80	+21 58.6	2.046	2.837	13.9	21.6

449617 2014 JJ_{76} 11 19.3 96°.97 0°.2/19.4 18

10 18	4 4.88	+21 57.3	1.958	2.806	12.8	21.8
10 28	3 58.67	+21 29.2	1.899	2.820	9.3	21.6
11 7	3 50.54	+20 53.0	1.865	2.833	5.3	21.4
11 17	3 41.32	+20 10.6	1.859	2.847	1.0	21.1
11 27	3 32.11	+19 25.7	1.882	2.860	3.3	21.3
12 7	3 23.92	+18 42.9	1.934	2.873	7.3	21.6
12 17	3 17.57	+18 6.3	2.013	2.886	10.8	21.8
12 27	3 13.57	+17 39.2	2.115	2.898	13.8	22.0

514208 2015 MH_{137} 11 19.3 168°.14 4°.3/21.6 18

10 18	4 9.26	+32 40.0	2.238	3.044	12.9	21.6
10 28	4 2.01	+33 8.1	2.162	3.048	10.1	21.4
11 7	3 52.56	+33 22.6	2.111	3.051	7.1	21.3
11 17	3 41.73	+33 21.3	2.087	3.054	4.7	21.1
11 27	3 30.66	+33 4.5	2.093	3.056	4.8	21.1
12 7	3 20.52	+32 35.3	2.128	3.058	7.3	21.3
12 17	3 12.29	+31 58.8	2.190	3.060	10.2	21.5
12 27	3 6.62	+31 20.9	2.277	3.060	12.9	21.7

218140 2002 RP_{33} 11 19.3 129°.44 4°.9/22.9 18

10 18	4 5.63	+37 17.8	2.628	3.412	11.8	20.3
10 28	3 59.15	+37 35.5	2.555	3.420	9.5	20.1
11 7	3 50.82	+37 38.4	2.506	3.428	7.1	20.0
11 17	3 41.39	+37 24.9	2.483	3.435	5.3	19.9
11 27	3 31.84	+36 55.5	2.490	3.442	5.1	19.9
12 7	3 23.13	+36 13.5	2.526	3.449	6.7	20.0
12 17	3 16.08	+35 23.5	2.590	3.456	9.0	20.2
12 27	3 11.24	+34 31.2	2.679	3.462	11.2	20.3

480723 2015 UT_{26} 11 19.3 180°.63 1°.0/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 4.46	+17 9.7	2.049	2.901	12.2	21.1
10 28	3 58.42	+16 57.7	1.978	2.901	8.8	20.9
11 7	3 50.46	+16 42.3	1.932	2.902	5.0	20.7
11 17	3 41.33	+16 25.0	1.914	2.902	1.3	20.4
11 27	3 32.04	+16 8.6	1.926	2.901	3.6	20.6
12 7	3 23.60	+15 55.8	1.967	2.901	7.5	20.8
12 17	3 16.83	+15 49.4	2.034	2.901	11.0	21.0
12 27	3 12.33	+15 51.5	2.124	2.900	14.0	21.2

178852 2001 KM_{14} 11 19.3 129°.36 1°.0/18.8 18

10 18	4 9.00	+18 4.4	1.782	2.632	13.8	20.6
10 28	4 1.76	+17 46.0	1.725	2.647	9.9	20.4
11 7	3 52.34	+17 22.7	1.692	2.661	5.6	20.2
11 17	3 41.67	+16 56.3	1.687	2.674	1.3	20.0
11 27	3 30.99	+16 30.3	1.711	2.687	3.9	20.2
12 7	3 21.47	+16 8.4	1.764	2.699	8.2	20.5
12 17	3 14.02	+15 54.0	1.844	2.710	12.0	20.7
12 27	3 9.22	+15 49.5	1.946	2.721	15.1	21.0

447615 2006 UV_{148} 11 19.3 169°.60 0°.0/19.2 18

10 18	4 4.40	+20 36.3	1.976	2.826	12.6	21.7
10 28	3 58.46	+20 22.9	1.905	2.827	9.2	21.5
11 7	3 50.52	+20 2.9	1.858	2.827	5.2	21.2
11 17	3 41.35	+19 37.6	1.840	2.828	1.0	20.9
11 27	3 32.02	+19 9.9	1.850	2.828	3.3	21.1
12 7	3 23.59	+18 43.3	1.889	2.828	7.4	21.4
12 17	3 16.93	+18 21.7	1.955	2.828	11.1	21.6
12 27	3 12.64	+18 8.2	2.044	2.829	14.2	21.8

83339 2001 RB_{135} 11 19.3 117°.55 1°.0/18.8 18

10 18	4 8.46	+17 47.2	1.695	2.549	14.2	19.7
10 28	4 1.49	+17 34.4	1.638	2.562	10.2	19.5
11 7	3 52.23	+17 17.0	1.605	2.575	5.8	19.2
11 17	3 41.67	+16 56.8	1.600	2.587	1.3	19.0
11 27	3 31.05	+16 37.0	1.623	2.599	4.0	19.2
12 7	3 21.62	+16 21.2	1.674	2.610	8.4	19.5
12 17	3 14.33	+16 12.7	1.752	2.621	12.3	19.7
12 27	3 9.77	+16 13.7	1.851	2.632	15.6	20.0

472004 2013 WV_{58} 11 19.3 14°.46 2°.3/18.5 18

10 18	4 2.32	+16 27.0	0.944	1.839	19.1	20.5
10 28	3 58.23	+16 4.5	0.900	1.844	13.8	20.2
11 7	3 50.83	+15 37.5	0.875	1.851	7.9	19.9
11 17	3 41.43	+15 10.3	0.872	1.859	2.5	19.6
11 27	3 31.91	+14 48.7	0.891	1.869	6.0	19.9
12 7	3 24.12	+14 38.3	0.933	1.880	11.8	20.2
12 17	3 19.34	+14 42.3	0.996	1.893	16.9	20.6
12 27	3 18.24	+15 1.7	1.076	1.907	21.1	20.9

65180 2002 CV_{224} 11 19.3 160°.53 3°.6/17.5 18

10 18	4 7.52	+13 15.3	1.594	2.455	14.6	20.0
10 28	4 0.91	+12 20.1	1.533	2.460	10.6	19.8
11 7	3 51.96	+11 22.9	1.496	2.464	6.4	19.5
11 17	3 41.62	+10 28.5	1.487	2.468	3.6	19.4
11 27	3 31.20	+ 9 42.9	1.505	2.471	5.9	19.5
12 7	3 21.95	+ 9 10.6	1.551	2.474	10.1	19.8
12 17	3 14.86	+ 8 54.8	1.621	2.476	14.0	20.0
12 27	3 10.55	+ 8 56.0	1.712	2.478	17.2	20.2

86609 2000 EP_{90} 11 19.3 190°.61 0°.5/18.9 18

10 18	4 6.96	+20 18.7	1.973	2.819	12.8	20.4
10 28	4 0.30	+19 44.8	1.898	2.818	9.3	20.2
11 7	3 51.56	+19 3.2	1.848	2.816	5.3	19.9
11 17	3 41.56	+18 16.1	1.826	2.814	1.0	19.6
11 27	3 31.40	+17 27.4	1.834	2.811	3.6	19.8
12 7	3 22.20	+16 41.8	1.872	2.807	7.8	20.1
12 17	3 14.83	+16 3.7	1.936	2.802	11.5	20.3
12 27	3 9.93	+15 36.6	2.024	2.797	14.7	20.5

199734 2006 HK_{110} 11 19.3 125°.88 2°.0/21.0 18

10 18	4 2.91	+29 54.4	2.552	3.371	11.1	19.2
10 28	3 56.99	+29 10.6	2.477	3.377	8.3	19.0
11 7	3 49.50	+28 14.0	2.428	3.383	5.3	18.8
11 17	3 41.16	+27 5.9	2.407	3.388	2.5	18.6
11 27	3 32.81	+25 49.8	2.418	3.394	2.9	18.7
12 7	3 25.31	+24 30.7	2.459	3.399	5.9	18.9
12 17	3 19.30	+23 13.7	2.530	3.404	8.8	19.1
12 27	3 15.26	+22 3.6	2.626	3.409	11.4	19.3

460247 2014 QS_{270} 11 19.3 36°.53 9°.0/13.5 18

10 18	3 59.83	− 3 32.4	1.904	2.749	13.2	20.6
10 28	3 54.94	− 5 4.8	1.868	2.762	10.9	20.4
11 7	3 48.40	− 6 23.4	1.856	2.776	9.3	20.4
11 17	3 40.95	− 7 21.5	1.869	2.789	9.1	20.4
11 27	3 33.53	− 7 54.4	1.909	2.804	10.3	20.5
12 7	3 27.01	− 8 0.8	1.972	2.818	12.3	20.7
12 17	3 22.10	− 7 42.2	2.057	2.833	14.4	20.8
12 27	3 19.24	− 7 2.1	2.161	2.849	16.3	21.0

210134 2006 RW_{96} 11 19.3 105.°59 1.°4/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 6.67	+24 41.8	2.088	2.924	12.6	21.4
10 28	3 59.90	+24 36.2	2.030	2.942	9.2	21.2
11 7	3 51.23	+24 21.2	1.996	2.960	5.5	21.0
11 17	3 41.48	+23 57.5	1.991	2.977	1.9	20.8
11 27	3 31.73	+23 27.5	2.016	2.994	3.1	20.9
12 7	3 23.01	+22 54.9	2.070	3.010	6.8	21.2
12 17	3 16.10	+22 24.0	2.152	3.026	10.2	21.4
12 27	3 11.56	+21 58.6	2.258	3.042	13.0	21.6

304167 2006 PX_{16} 11 19.3 89.°88 4.°4/21.9 18

10 18	4 7.30	+33 0.0	1.887	2.704	14.5	20.3
10 28	4 0.75	+33 4.7	1.823	2.716	11.2	20.1
11 7	3 51.86	+32 52.5	1.782	2.727	7.8	19.9
11 17	3 41.61	+32 22.2	1.767	2.738	4.9	19.7
11 27	3 31.30	+31 35.9	1.781	2.749	4.9	19.8
12 7	3 22.18	+30 38.9	1.823	2.760	7.8	20.0
12 17	3 15.23	+29 37.9	1.891	2.771	11.1	20.2
12 27	3 11.04	+28 39.9	1.983	2.782	14.0	20.4

120053 2003 BW_{69} 11 19.3 173.°17 1.°3/18.6 18

10 18	4 7.14	+17 2.3	1.963	2.813	12.7	20.9
10 28	4 0.38	+16 39.3	1.894	2.816	9.2	20.6
11 7	3 51.59	+16 12.3	1.850	2.819	5.2	20.4
11 17	3 41.57	+15 43.3	1.834	2.821	1.5	20.2
11 27	3 31.42	+15 15.6	1.848	2.822	3.9	20.3
12 7	3 22.21	+14 52.9	1.891	2.823	7.9	20.6
12 17	3 14.82	+14 38.1	1.960	2.823	11.6	20.8
12 27	3 9.86	+14 33.5	2.053	2.822	14.6	21.0

149376 2002 XB_{86} 11 19.3 27.°25 5.°4/21.6 18

10 18	4 6.76	+31 34.5	1.168	2.021	19.3	19.1
10 28	4 1.40	+31 52.4	1.116	2.029	14.9	18.9
11 7	3 52.63	+31 48.2	1.083	2.039	10.1	18.7
11 17	3 41.79	+31 19.7	1.073	2.049	6.1	18.5
11 27	3 30.83	+30 29.7	1.087	2.060	6.3	18.5
12 7	3 21.65	+29 26.5	1.126	2.072	10.3	18.8
12 17	3 15.57	+28 20.5	1.187	2.085	14.7	19.1
12 27	3 13.29	+27 21.2	1.268	2.098	18.6	19.4

102518 1999 TB_{312} 11 19.3 342.°89 0.°8/19.6 18

10 18	4 4.43	+22 25.5	1.472	2.334	15.5	20.2
10 28	3 59.14	+22 17.7	1.403	2.329	11.4	20.0
11 7	3 51.19	+21 59.9	1.355	2.325	6.6	19.7
11 17	3 41.54	+21 33.1	1.333	2.320	1.6	19.4
11 27	3 31.58	+21 0.6	1.338	2.317	4.0	19.5
12 7	3 22.78	+20 27.6	1.369	2.314	9.0	19.8
12 17	3 16.30	+19 59.6	1.424	2.311	13.5	20.1
12 27	3 12.87	+19 41.1	1.501	2.309	17.3	20.3

128367 2004 HM_{53} 11 19.3 30.°75 0.°3/19.4 18

10 18	4 6.24	+20 56.3	1.233	2.104	17.3	19.7
10 28	4 0.63	+20 52.8	1.181	2.112	12.6	19.4
11 7	3 52.05	+20 40.3	1.149	2.121	7.2	19.2
11 17	3 41.69	+20 20.2	1.142	2.130	1.4	18.8
11 27	3 31.20	+19 56.0	1.160	2.139	4.4	19.1
12 7	3 22.23	+19 33.2	1.204	2.150	9.8	19.4
12 17	3 15.97	+19 17.0	1.271	2.161	14.6	19.7
12 27	3 13.09	+19 11.1	1.358	2.172	18.5	20.0

432707 2011 CE_{17} 11 19.3 107.°18 3.°2/20.8 18

10 18	4 8.70	+28 40.8	1.513	2.354	16.2	20.9
10 28	4 2.18	+28 38.3	1.449	2.360	12.3	20.7
11 7	3 52.86	+28 19.5	1.406	2.366	7.8	20.5
11 17	3 41.85	+27 43.7	1.390	2.371	3.8	20.2
11 27	3 30.69	+26 54.1	1.401	2.377	4.6	20.3
12 7	3 20.92	+25 57.0	1.439	2.382	8.8	20.6
12 17	3 13.69	+25 0.3	1.502	2.387	13.0	20.8
12 27	3 9.68	+24 11.0	1.586	2.392	16.6	21.1

451647 2012 JA_{66} 11 19.3 228.°80 1.°2/18.3 18

10 18	4 0.98	+18 35.3	2.389	3.240	10.7	20.6
10 28	3 55.69	+17 39.0	2.314	3.237	7.7	20.4
11 7	3 48.84	+16 36.7	2.265	3.235	4.3	20.2
11 17	3 41.09	+15 31.7	2.246	3.232	1.3	20.0
11 27	3 33.25	+14 28.1	2.257	3.230	3.4	20.1
12 7	3 26.13	+13 30.3	2.297	3.227	6.8	20.4
12 17	3 20.41	+12 42.0	2.365	3.224	10.0	20.6
12 27	3 16.57	+12 5.7	2.457	3.222	12.6	20.7

303527 2005 EG_{234} 11 19.3 220.°52 0.°4/19.5 18

10 18	4 6.73	+20 38.8	1.978	2.824	12.8	21.0
10 28	4 0.27	+20 45.0	1.900	2.819	9.3	20.8
11 7	3 51.65	+20 45.4	1.847	2.815	5.4	20.5
11 17	3 41.65	+20 40.3	1.822	2.810	1.1	20.2
11 27	3 31.36	+20 31.3	1.826	2.804	3.3	20.4
12 7	3 21.94	+20 21.4	1.860	2.799	7.5	20.6
12 17	3 14.33	+20 13.7	1.920	2.793	11.3	20.8
12 27	3 9.22	+20 11.5	2.003	2.786	14.5	21.0

399304 2014 HX_{186} 11 19.3 278.°79 3.°2/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 4.17	+13 2.8	1.727	2.589	13.5	20.5
10 28	3 58.60	+12 22.9	1.649	2.576	9.9	20.3
11 7	3 50.77	+11 41.2	1.594	2.563	6.0	20.0
11 17	3 41.49	+11 1.7	1.567	2.549	3.3	19.8
11 27	3 31.89	+10 29.1	1.568	2.536	5.5	19.9
12 7	3 23.17	+10 7.7	1.596	2.522	9.6	20.2
12 17	3 16.34	+10 0.1	1.649	2.509	13.5	20.4
12 27	3 12.09	+10 7.8	1.723	2.495	16.9	20.6

18240 Mould 11 19.3 128.°33 2.°6/20.5 18

10 18	4 9.44	+26 44.1	1.822	2.656	14.2	19.8
10 28	4 2.32	+26 58.0	1.758	2.667	10.6	19.6
11 7	3 52.81	+27 0.2	1.717	2.677	6.7	19.4
11 17	3 41.86	+26 49.9	1.704	2.686	3.1	19.2
11 27	3 30.77	+26 28.6	1.720	2.695	3.9	19.3
12 7	3 20.84	+26 0.3	1.764	2.704	7.7	19.5
12 17	3 13.07	+25 30.4	1.835	2.712	11.5	19.8
12 27	3 8.11	+25 4.1	1.929	2.720	14.6	20.0

105219 2000 ON_{57} 11 19.3 5.°30 7.°7/16.8 18

10 18	3 57.99	+ 5 0.4	1.074	1.967	17.5	17.7
10 28	3 54.75	+ 4 19.4	1.031	1.967	13.4	17.5
11 7	3 48.76	+ 3 49.9	1.007	1.970	9.5	17.3
11 17	3 41.12	+ 3 38.8	1.004	1.975	7.7	17.2
11 27	3 33.35	+ 3 51.2	1.025	1.982	9.6	17.4
12 7	3 26.93	+ 4 28.0	1.068	1.992	13.4	17.6
12 17	3 22.97	+ 5 26.9	1.131	2.004	17.3	17.9
12 27	3 22.11	+ 6 43.4	1.212	2.018	20.7	18.2

408968 2002 OJ_{31} 11 19.3 71.°37 5.°7/16.2 18

10 18	4 2.19	+ 2 34.3	2.205	3.052	11.6	21.1
10 28	3 56.48	+ 1 56.6	2.158	3.067	8.9	21.0
11 7	3 49.26	+ 1 26.7	2.136	3.082	6.6	20.9
11 17	3 41.20	+ 1 8.3	2.141	3.097	5.7	20.9
11 27	3 33.14	+ 1 4.4	2.175	3.111	6.9	21.0
12 7	3 25.90	+ 1 16.1	2.236	3.126	9.2	21.1
12 17	3 20.13	+ 1 42.8	2.323	3.141	11.6	21.3
12 27	3 16.29	+ 2 23.1	2.431	3.155	13.8	21.5

322460 2011 UE_{55} 11 19.3 78.°59 0.°5/19.0 18

10 18	4 4.63	+19 42.1	1.818	2.673	13.3	20.9
10 28	3 58.68	+19 16.8	1.758	2.683	9.6	20.7
11 7	3 50.68	+18 45.1	1.722	2.692	5.4	20.5
11 17	3 41.48	+18 9.1	1.713	2.701	1.1	20.2
11 27	3 32.23	+17 32.5	1.733	2.710	3.6	20.4
12 7	3 24.01	+16 59.7	1.782	2.720	7.8	20.7
12 17	3 17.70	+16 34.4	1.856	2.729	11.6	20.9
12 27	3 13.86	+16 19.4	1.953	2.738	14.7	21.2

514336 2016 PE_{76} 11 19.3 70.°24 3.°6/20.8 18

10 18	4 10.29	+27 53.2	1.464	2.307	16.6	21.2
10 28	4 3.36	+28 20.1	1.410	2.322	12.5	21.0
11 7	3 53.55	+28 32.4	1.379	2.337	8.0	20.8
11 17	3 42.04	+28 28.4	1.372	2.352	4.1	20.6
11 27	3 30.44	+28 9.4	1.393	2.368	4.9	20.7
12 7	3 20.32	+27 40.5	1.441	2.383	8.9	21.0
12 17	3 12.87	+27 8.4	1.514	2.398	13.0	21.3
12 27	3 8.74	+26 39.8	1.608	2.414	16.4	21.5

242997 2006 TL_{29} 11 19.3 172.°73 0.°0/19.3 18

10 18	4 4.91	+20 9.8	1.973	2.823	12.7	20.7
10 28	3 58.89	+20 2.5	1.901	2.823	9.2	20.5
11 7	3 50.83	+19 49.2	1.855	2.823	5.2	20.2
11 17	3 41.53	+19 31.0	1.836	2.824	1.0	19.9
11 27	3 32.05	+19 10.5	1.846	2.824	3.3	20.1
12 7	3 23.46	+18 50.9	1.885	2.824	7.4	20.4
12 17	3 16.64	+18 35.8	1.951	2.824	11.1	20.6
12 27	3 12.22	+18 28.0	2.040	2.824	14.2	20.8

145232 2005 JU_{79} 11 19.3 223.°16 0.°1/19.4 18

10 18	4 6.77	+22 53.8	1.473	2.331	15.7	20.1
10 28	4 0.78	+22 9.9	1.404	2.329	11.5	19.9
11 7	3 52.10	+21 12.9	1.357	2.327	6.6	19.6
11 17	3 41.78	+20 5.7	1.337	2.325	1.3	19.2
11 27	3 31.27	+18 54.2	1.344	2.322	4.1	19.4
12 7	3 22.03	+17 46.0	1.378	2.320	9.3	19.7
12 17	3 15.18	+16 48.2	1.437	2.317	13.9	20.0
12 27	3 11.42	+16 5.7	1.517	2.315	17.7	20.3

389016 2008 UW_{215} 11 19.3 95.°05 1.°3/19.8 18

10 18	4 7.25	+23 2.8	1.672	2.522	14.5	21.4
10 28	4 0.93	+23 8.8	1.605	2.525	10.7	21.2
11 7	3 52.13	+23 5.8	1.561	2.527	6.3	21.0
11 17	3 41.79	+22 53.8	1.543	2.529	1.9	20.7
11 27	3 31.23	+22 34.9	1.553	2.532	3.7	20.8
12 7	3 21.78	+22 13.2	1.592	2.534	8.2	21.1
12 17	3 14.51	+21 53.2	1.656	2.536	12.3	21.4
12 27	3 10.11	+21 39.5	1.742	2.539	15.8	21.6

414617 2009 UU_{150} 11 19.3 92°.88 0°.3/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.04	+19 54.3	2.256	3.100	11.5	20.8
10 28	3 58.76	+20 8.0	2.188	3.106	8.3	20.6
11 7	3 50.67	+20 17.5	2.145	3.113	4.8	20.4
11 17	3 41.50	+20 22.8	2.131	3.119	1.0	20.2
11 27	3 32.18	+20 25.2	2.148	3.125	2.9	20.3
12 7	3 23.65	+20 26.6	2.194	3.132	6.6	20.6
12 17	3 16.70	+20 29.5	2.267	3.138	9.9	20.8
12 27	3 11.89	+20 36.2	2.365	3.144	12.6	21.0

94399 2001 SK_{261} 11 19.3 125°.21 0°.3/19.4 18

10 18	4 10.64	+22 5.9	1.431	2.286	16.3	20.2
10 28	4 3.48	+21 42.9	1.374	2.297	11.9	19.9
11 7	3 53.57	+21 9.2	1.340	2.309	6.8	19.7
11 17	3 42.05	+20 26.7	1.332	2.320	1.4	19.3
11 27	3 30.50	+19 39.9	1.351	2.330	4.1	19.6
12 7	3 20.43	+18 55.1	1.399	2.340	9.2	19.9
12 17	3 12.94	+18 18.2	1.470	2.349	13.7	20.2
12 27	3 8.68	+17 53.6	1.563	2.358	17.4	20.4

170580 2003 XM_{15} 11 19.3 344°.75 3°.2/17.2 18

10 18	4 1.69	+16 48.7	1.492	2.364	14.7	19.7
10 28	3 56.96	+15 14.2	1.426	2.359	10.7	19.4
11 7	3 49.88	+13 31.0	1.383	2.354	6.2	19.1
11 17	3 41.38	+11 46.3	1.367	2.350	3.2	19.0
11 27	3 32.75	+10 9.0	1.378	2.346	6.0	19.1
12 7	3 25.22	+ 8 47.5	1.416	2.343	10.5	19.4
12 17	3 19.79	+ 7 47.4	1.478	2.341	14.6	19.6
12 27	3 17.09	+ 7 10.8	1.560	2.339	18.1	19.8

397407 2006 WC_{184} 11 19.3 33°.17 6°.0/17.9 18

10 18	4 8.16	+ 2 49.5	1.597	2.450	15.0	19.7
10 28	4 1.35	+ 2 58.9	1.545	2.460	11.4	19.5
11 7	3 52.26	+ 3 20.3	1.515	2.469	8.0	19.3
11 17	3 41.84	+ 3 56.0	1.512	2.480	6.0	19.2
11 27	3 31.33	+ 4 47.2	1.537	2.491	7.4	19.4
12 7	3 21.99	+ 5 52.9	1.589	2.502	10.6	19.6
12 17	3 14.77	+ 7 10.3	1.666	2.514	14.0	19.8
12 27	3 10.27	+ 8 36.6	1.764	2.526	16.9	20.0

446099 2013 CP_{208} 11 19.3 329°.44 0°.2/19.2 18

10 18	4 3.85	+20 38.1	1.724	2.582	13.8	21.0
10 28	3 58.40	+20 16.7	1.652	2.578	10.0	20.8
11 7	3 50.68	+19 47.5	1.604	2.574	5.7	20.5
11 17	3 41.56	+19 12.3	1.582	2.570	1.1	20.2
11 27	3 32.21	+18 34.8	1.588	2.566	3.7	20.4
12 7	3 23.84	+17 59.7	1.622	2.563	8.2	20.7
12 17	3 17.44	+17 31.5	1.682	2.560	12.3	20.9
12 27	3 13.68	+17 13.7	1.763	2.557	15.7	21.1

284553 2007 RD_{319} 11 19.3 133°.38 3°.7/22.2 17

10 18	4 4.26	+34 10.2	2.929	3.723	10.4	20.7
10 28	3 58.01	+34 23.3	2.856	3.733	8.2	20.5
11 7	3 50.19	+34 24.5	2.808	3.742	5.9	20.4
11 17	3 41.44	+34 13.0	2.789	3.751	4.0	20.3
11 27	3 32.59	+33 49.6	2.799	3.759	4.0	20.3
12 7	3 24.46	+33 16.7	2.839	3.768	5.8	20.4
12 17	3 17.72	+32 38.3	2.908	3.776	8.0	20.6
12 27	3 12.88	+31 58.6	3.002	3.784	10.2	20.7

481027 2004 XN_{44} 11 19.3 108°.46 1°.0/18.7 16

10 18	4 10.55	+17 58.8	2.438	3.270	11.1	23.7
10 28	4 2.22	+17 27.5	2.394	3.307	8.0	23.6
11 7	3 52.39	+16 52.1	2.376	3.343	4.4	23.4
11 17	3 41.83	+16 14.8	2.390	3.377	1.2	23.2
11 27	3 31.46	+15 38.5	2.436	3.410	3.2	23.4
12 7	3 22.12	+15 6.4	2.514	3.442	6.5	23.7
12 17	3 14.44	+14 41.2	2.621	3.472	9.4	23.9
12 27	3 8.85	+14 24.8	2.752	3.501	11.8	24.1

191474 2003 SO_{292} 11 19.3 351°.61 5°.5/22.5 17

10 18	4 4.61	+35 19.0	1.964	2.775	14.2	19.5
10 28	3 59.04	+35 41.0	1.888	2.772	11.4	19.3
11 7	3 51.09	+35 46.0	1.834	2.769	8.3	19.1
11 17	3 41.65	+35 31.7	1.806	2.767	5.9	19.0
11 27	3 31.92	+34 58.6	1.805	2.765	5.8	19.0
12 7	3 23.21	+34 10.9	1.831	2.764	8.1	19.1
12 17	3 16.54	+33 14.9	1.883	2.763	11.1	19.3
12 27	3 12.60	+32 17.8	1.959	2.762	14.0	19.5

403641 2010 TC_{3} 11 19.3 345°.87 2°.0/20.3 17

10 18	4 4.98	+25 27.8	1.901	2.743	13.4	21.8
10 28	3 59.14	+25 35.1	1.828	2.742	10.0	21.5
11 7	3 51.09	+25 32.3	1.778	2.741	6.1	21.3
11 17	3 41.64	+25 19.2	1.755	2.739	2.5	21.1
11 27	3 31.96	+24 57.5	1.761	2.738	3.6	21.2
12 7	3 23.22	+24 30.8	1.795	2.738	7.4	21.4
12 17	3 16.38	+24 3.7	1.856	2.737	11.2	21.6
12 27	3 12.12	+23 41.0	1.939	2.736	14.4	21.8

214601 2006 QY_{165} 11 19.3 44°.38 0°.2/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.84	+21 15.0	1.793	2.648	13.5	20.2
10 28	3 58.23	+20 39.5	1.726	2.650	9.8	19.9
11 7	3 50.51	+19 55.4	1.683	2.653	5.6	19.7
11 17	3 41.52	+19 5.1	1.668	2.656	1.0	19.4
11 27	3 32.42	+18 12.9	1.681	2.658	3.6	19.6
12 7	3 24.34	+17 24.2	1.722	2.661	7.9	19.9
12 17	3 18.18	+16 43.7	1.789	2.664	11.8	20.1
12 27	3 14.52	+16 14.8	1.878	2.668	15.1	20.3

288492 2004 FQ_{47} 11 19.3 207°.90 2°.2/18.1 18

10 18	4 6.99	+15 49.6	1.854	2.707	13.2	21.6
10 28	4 0.49	+15 8.3	1.778	2.702	9.6	21.3
11 7	3 51.81	+14 22.6	1.728	2.696	5.5	21.1
11 17	3 41.78	+13 35.8	1.705	2.690	2.2	20.9
11 27	3 31.54	+12 52.6	1.711	2.683	4.6	21.0
12 7	3 22.23	+12 17.3	1.747	2.675	8.7	21.2
12 17	3 14.80	+11 53.6	1.808	2.667	12.6	21.5
12 27	3 9.90	+11 43.7	1.891	2.658	15.8	21.7

443232 2014 DZ_{116} 11 19.3 117°.25 5°.9/23.2 18

10 18	4 12.03	+38 43.1	2.245	3.023	13.7	21.4
10 28	4 4.01	+39 9.1	2.185	3.043	11.1	21.3
11 7	3 53.72	+39 16.7	2.147	3.063	8.4	21.2
11 17	3 42.13	+39 3.4	2.136	3.083	6.4	21.1
11 27	3 30.51	+38 29.8	2.154	3.102	6.1	21.1
12 7	3 20.09	+37 40.3	2.201	3.120	7.8	21.2
12 17	3 11.83	+36 41.1	2.275	3.137	10.2	21.4
12 27	3 6.31	+35 39.6	2.373	3.154	12.5	21.6

454706 2014 SO_{111} 11 19.3 356°.82 0°.0/19.3 16

10 18	4 1.65	+20 37.3	1.764	2.625	13.4	21.0
10 28	3 56.77	+20 26.0	1.695	2.621	9.8	20.8
11 7	3 49.75	+20 7.8	1.649	2.619	5.6	20.5
11 17	3 41.40	+19 44.1	1.630	2.617	1.1	20.2
11 27	3 32.85	+19 18.1	1.638	2.617	3.5	20.4
12 7	3 25.22	+18 53.6	1.674	2.616	7.9	20.7
12 17	3 19.46	+18 34.5	1.735	2.617	11.8	20.9
12 27	3 16.20	+18 24.0	1.819	2.618	15.1	21.1

354312 2002 UN_{1} 11 19.3 306°.31 0°.9/19.8 18

10 18	4 4.33	+23 54.2	1.821	2.670	13.6	20.5
10 28	3 58.68	+23 31.4	1.747	2.667	10.0	20.3
11 7	3 50.82	+22 58.0	1.698	2.664	5.9	20.0
11 17	3 41.61	+22 15.3	1.675	2.662	1.6	19.8
11 27	3 32.20	+21 26.8	1.681	2.659	3.4	19.9
12 7	3 23.79	+20 37.7	1.715	2.657	7.7	20.1
12 17	3 17.30	+19 53.3	1.775	2.654	11.7	20.4
12 27	3 13.40	+19 18.2	1.857	2.652	15.0	20.6

41372 2000 AC_{101} 11 19.3 71°.89 4°.6/17.1 18

10 18	4 3.57	+ 6 22.4	2.066	2.918	12.0	18.5
10 28	3 57.64	+ 5 57.6	2.012	2.929	9.0	18.4
11 7	3 50.02	+ 5 38.2	1.983	2.941	6.1	18.2
11 17	3 41.44	+ 5 27.4	1.982	2.952	4.6	18.1
11 27	3 32.81	+ 5 28.0	2.010	2.963	6.0	18.2
12 7	3 25.05	+ 5 41.3	2.065	2.974	8.8	18.4
12 17	3 18.88	+ 6 7.4	2.147	2.985	11.7	18.6
12 27	3 14.80	+ 6 45.4	2.250	2.996	14.2	18.8

456069 2006 AR_{80} 11 19.3 276°.04 0°.8/19.8 17

10 18	4 2.86	+23 18.1	2.185	3.028	11.8	21.7
10 28	3 57.35	+23 1.1	2.104	3.021	8.7	21.5
11 7	3 49.99	+22 35.7	2.048	3.014	5.1	21.3
11 17	3 41.46	+22 2.9	2.020	3.007	1.4	21.0
11 27	3 32.73	+21 25.4	2.022	3.000	3.0	21.1
12 7	3 24.77	+20 46.9	2.053	2.993	6.8	21.4
12 17	3 18.40	+20 11.6	2.110	2.986	10.3	21.6
12 27	3 14.21	+19 43.2	2.192	2.979	13.3	21.7

197073 2003 UV_{168} 11 19.3 32°.79 1°.0/19.8 18

10 18	4 4.41	+21 56.6	1.915	2.765	13.0	19.4
10 28	3 58.58	+22 11.4	1.854	2.774	9.5	19.2
11 7	3 50.70	+22 19.5	1.816	2.783	5.5	19.0
11 17	3 41.59	+22 21.0	1.806	2.793	1.5	18.7
11 27	3 32.34	+22 17.5	1.825	2.803	3.2	18.9
12 7	3 24.05	+22 11.5	1.872	2.814	7.2	19.1
12 17	3 17.60	+22 6.5	1.946	2.825	10.8	19.4
12 27	3 13.57	+22 5.4	2.042	2.837	13.8	19.6

388219 2006 HD_{79} 11 19.3 161°.48 0°.9/19.7 18

10 18	4 7.75	+22 6.9	1.987	2.829	12.9	21.4
10 28	4 0.99	+22 13.9	1.916	2.833	9.5	21.2
11 7	3 52.08	+22 13.8	1.870	2.836	5.5	21.0
11 17	3 41.86	+22 6.7	1.852	2.839	1.5	20.7
11 27	3 31.45	+21 54.3	1.864	2.842	3.3	20.8
12 7	3 21.98	+21 39.6	1.905	2.844	7.3	21.1
12 17	3 14.38	+21 26.3	1.973	2.846	11.0	21.3
12 27	3 9.28	+21 17.9	2.064	2.848	14.1	21.5

340908 2007 DM_{38} 11 19.3 164°.38 0°.7/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 8.21	+22 26.9	2.011	2.850	12.9	22.0
10 28	4 1.24	+22 18.1	1.940	2.856	9.4	21.8
11 7	3 52.19	+22 1.1	1.895	2.861	5.5	21.6
11 17	3 41.88	+21 36.8	1.878	2.865	1.3	21.3
11 27	3 31.43	+21 7.7	1.890	2.868	3.2	21.5
12 7	3 21.95	+20 37.5	1.933	2.871	7.3	21.8
12 17	3 14.35	+20 10.5	2.002	2.874	10.9	22.0
12 27	3 9.23	+19 50.3	2.095	2.875	14.0	22.2

362709 2011 UE_{194} 11 19.3 355°.54 4°.7/20.7 18

10 18	4 9.23	+28 1.4	1.542	2.383	16.0	19.9
10 28	4 2.94	+29 11.6	1.472	2.380	12.3	19.7
11 7	3 53.61	+30 11.2	1.423	2.378	8.3	19.4
11 17	3 42.21	+30 55.4	1.401	2.376	5.1	19.2
11 27	3 30.25	+31 22.0	1.405	2.375	5.7	19.3
12 7	3 19.41	+31 32.9	1.437	2.375	9.3	19.5
12 17	3 11.07	+31 33.0	1.493	2.375	13.3	19.7
12 27	3 6.14	+31 29.1	1.570	2.376	16.8	20.0

303185 2004 FQ_{90} 11 19.3 280°.31 2°.7/21.4 18

10 18	4 6.10	+31 56.5	1.933	2.755	14.0	19.8
10 28	4 0.00	+30 56.3	1.838	2.738	10.8	19.6
11 7	3 51.60	+29 35.1	1.767	2.721	7.0	19.3
11 17	3 41.78	+27 53.9	1.723	2.704	3.4	19.1
11 27	3 31.76	+25 57.7	1.710	2.687	3.8	19.1
12 7	3 22.79	+23 55.0	1.727	2.669	7.7	19.3
12 17	3 15.83	+21 55.4	1.772	2.652	11.7	19.5
12 27	3 11.56	+20 7.4	1.842	2.635	15.2	19.7

5802 Casteldelpiano 11 19.3 291°.72 1°.2/19.8 18

10 18	4 7.44	+22 49.6	1.385	2.246	16.4	16.6
10 28	4 1.81	+22 51.8	1.302	2.228	12.2	16.3
11 7	3 53.06	+22 43.6	1.241	2.210	7.3	16.0
11 17	3 42.12	+22 24.6	1.204	2.191	2.0	15.6
11 27	3 30.54	+21 57.2	1.194	2.173	4.4	15.8
12 7	3 20.04	+21 26.5	1.210	2.156	9.9	16.0
12 17	3 12.07	+20 58.9	1.250	2.138	14.9	16.3
12 27	3 7.59	+20 40.3	1.310	2.120	19.2	16.5

351057 2003 SA_{291} 11 19.3 23°.50 0°.4/19.2 18

10 18	4 4.26	+19 7.0	1.195	2.073	17.2	19.7
10 28	3 59.22	+19 3.5	1.149	2.084	12.5	19.4
11 7	3 51.31	+18 53.5	1.124	2.097	7.0	19.2
11 17	3 41.73	+18 38.8	1.123	2.111	1.3	18.9
11 27	3 32.10	+18 23.0	1.147	2.126	4.5	19.1
12 7	3 23.97	+18 10.9	1.196	2.142	9.8	19.5
12 17	3 18.49	+18 6.3	1.268	2.159	14.5	19.8
12 27	3 16.26	+18 12.1	1.359	2.177	18.2	20.1

96893 1999 TM_{39} 11 19.3 327°.73 4°.1/17.6 18 R

10 18	4 4.40	+10 28.1	1.546	2.413	14.6	18.9
10 28	3 58.95	+10 1.2	1.478	2.406	10.8	18.6
11 7	3 51.10	+ 9 36.6	1.432	2.399	6.7	18.4
11 17	3 41.71	+ 9 18.2	1.413	2.393	4.1	18.2
11 27	3 32.04	+ 9 10.2	1.421	2.387	6.3	18.3
12 7	3 23.38	+ 9 15.5	1.455	2.381	10.3	18.6
12 17	3 16.78	+ 9 35.4	1.512	2.376	14.3	18.8
12 27	3 12.95	+10 9.6	1.590	2.371	17.7	19.0

41380 2000 AM_{113} 11 19.3 42°.98 6°.3/16.2 18

10 18	4 2.14	+ 3 30.9	1.826	2.683	13.2	17.6
10 28	3 56.74	+ 2 41.1	1.783	2.698	10.1	17.5
11 7	3 49.55	+ 1 59.7	1.764	2.714	7.4	17.3
11 17	3 41.38	+ 1 31.6	1.771	2.730	6.3	17.3
11 27	3 33.23	+ 1 20.5	1.805	2.746	7.7	17.4
12 7	3 26.06	+ 1 27.9	1.866	2.762	10.3	17.6
12 17	3 20.61	+ 1 53.2	1.951	2.779	13.1	17.8
12 27	3 17.36	+ 2 34.2	2.056	2.796	15.5	18.0

410997 2009 US_{39} 11 19.3 353°.58 1°.0/18.6 18

10 18	3 59.99	+21 47.9	1.671	2.535	13.9	19.5
10 28	3 55.60	+20 27.1	1.600	2.529	10.0	19.3
11 7	3 49.09	+18 53.7	1.553	2.525	5.6	19.0
11 17	3 41.31	+17 13.0	1.533	2.521	1.3	18.7
11 27	3 33.42	+15 32.4	1.542	2.519	4.2	18.9
12 7	3 26.54	+14 0.0	1.579	2.517	8.7	19.2
12 17	3 21.57	+12 42.5	1.641	2.516	12.7	19.4
12 27	3 19.08	+11 44.0	1.725	2.516	16.1	19.7

374010 2004 CH_{71} 11 19.3 251°.23 1°.2/20.2 18

10 18	4 2.20	+24 42.5	2.911	3.740	9.6	22.0
10 28	3 56.57	+24 38.8	2.816	3.725	7.1	21.8
11 7	3 49.46	+24 28.1	2.747	3.708	4.3	21.6
11 17	3 41.39	+24 10.6	2.707	3.692	1.6	21.4
11 27	3 33.09	+23 47.7	2.698	3.675	2.5	21.5
12 7	3 25.31	+23 21.9	2.720	3.658	5.5	21.6
12 17	3 18.73	+22 56.0	2.770	3.641	8.3	21.8
12 27	3 13.85	+22 33.2	2.846	3.623	10.8	21.9

121862 2000 CT_{72} 11 19.3 295°.77 5°.0/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 1.51	+ 5 47.2	2.169	3.023	11.5	19.6
10 28	3 56.25	+ 5 5.7	2.100	3.017	8.7	19.4
11 7	3 49.32	+ 4 28.9	2.055	3.010	6.1	19.2
11 17	3 41.37	+ 4 0.7	2.039	3.004	5.0	19.2
11 27	3 33.25	+ 3 44.9	2.050	2.998	6.4	19.2
12 7	3 25.84	+ 3 43.6	2.090	2.992	9.1	19.4
12 17	3 19.88	+ 3 57.4	2.154	2.986	11.9	19.6
12 27	3 15.90	+ 4 25.7	2.241	2.980	14.4	19.7

170124 2003 AE_{4} 11 19.3 338°.63 25°.2/ 5.6 17

10 18	4 6.05	−25 39.5	0.957	1.760	26.3	19.2
10 28	4 1.07	−28 15.8	0.937	1.754	25.4	19.1
11 7	3 52.59	−30 0.7	0.928	1.749	25.2	19.1
11 17	3 42.01	−30 39.7	0.933	1.744	25.6	19.1
11 27	3 31.32	−30 6.3	0.950	1.740	26.6	19.2
12 7	3 22.46	−28 24.8	0.979	1.737	27.9	19.3
12 17	3 16.75	−25 46.5	1.019	1.734	29.4	19.4
12 27	3 14.88	−22 26.0	1.068	1.733	30.9	19.6

363291 2002 JK_{85} 11 19.3 59°.35 1°.2/18.5 18

10 18	4 3.31	+19 27.2	1.962	2.816	12.5	19.8
10 28	3 57.45	+18 25.8	1.917	2.841	8.9	19.6
11 7	3 49.88	+17 18.3	1.897	2.867	5.0	19.4
11 17	3 41.45	+16 8.7	1.905	2.892	1.4	19.2
11 27	3 33.14	+15 2.2	1.943	2.918	3.7	19.4
12 7	3 25.88	+14 3.6	2.010	2.943	7.4	19.7
12 17	3 20.37	+13 16.8	2.104	2.969	10.8	20.0
12 27	3 17.05	+12 43.8	2.220	2.994	13.5	20.2

195977 2002 RG_{192} 11 19.3 1°.14 1°.1/18.8 18

10 18	4 1.26	+17 26.0	1.739	2.604	13.3	19.5
10 28	3 56.48	+17 12.0	1.673	2.602	9.6	19.2
11 7	3 49.60	+16 54.1	1.630	2.602	5.5	19.0
11 17	3 41.43	+16 34.4	1.614	2.602	1.4	18.7
11 27	3 33.07	+16 15.9	1.626	2.603	3.9	18.9
12 7	3 25.64	+16 2.2	1.665	2.605	8.2	19.2
12 17	3 20.05	+15 56.2	1.729	2.607	12.0	19.4
12 27	3 16.91	+15 59.8	1.815	2.611	15.3	19.6

330719 2008 QH_{6} 11 19.3 254°.05 4°.2/16.1 18

10 18	4 0.52	+ 8 59.7	2.313	3.169	10.8	20.5
10 28	3 55.44	+ 7 48.7	2.244	3.164	8.0	20.3
11 7	3 48.81	+ 6 38.5	2.201	3.160	5.4	20.2
11 17	3 41.28	+ 5 33.9	2.186	3.156	4.3	20.1
11 27	3 33.64	+ 4 39.6	2.201	3.151	5.8	20.2
12 7	3 26.68	+ 3 59.3	2.245	3.146	8.6	20.3
12 17	3 21.07	+ 3 34.8	2.314	3.142	11.3	20.5
12 27	3 17.32	+ 3 26.6	2.405	3.137	13.7	20.7

263906 Yuanfengfang 11 19.3 121°.03 2°.5/20.4 15

10 18	4 12.60	+26 15.5	1.577	2.415	15.9	21.3
10 28	4 4.84	+26 22.6	1.520	2.432	11.8	21.1
11 7	3 54.38	+26 16.7	1.486	2.447	7.3	20.8
11 17	3 42.35	+25 56.9	1.479	2.462	3.0	20.6
11 27	3 30.27	+25 25.7	1.500	2.477	4.2	20.7
12 7	3 19.64	+24 48.6	1.549	2.490	8.5	21.0
12 17	3 11.56	+24 11.7	1.624	2.503	12.6	21.3
12 27	3 6.65	+23 41.0	1.721	2.516	16.0	21.6

195655 2002 NO_{59} 11 19.3 132°.12 1°.4/18.6 18

10 18	4 6.46	+16 8.1	2.025	2.874	12.4	20.8
10 28	3 59.87	+15 53.4	1.963	2.885	8.9	20.6
11 7	3 51.38	+15 35.9	1.926	2.895	5.1	20.4
11 17	3 41.78	+15 17.7	1.917	2.904	1.6	20.1
11 27	3 32.10	+15 1.4	1.939	2.913	3.8	20.3
12 7	3 23.35	+14 49.9	1.989	2.922	7.6	20.6
12 17	3 16.36	+14 45.5	2.067	2.930	11.0	20.8
12 27	3 11.66	+14 50.0	2.167	2.938	13.9	21.0

65445 2002 UK_{39} 11 19.3 211°.18 0°.0/19.3 18

10 18	4 7.49	+21 28.5	1.722	2.572	14.2	19.9
10 28	4 1.10	+21 3.4	1.647	2.568	10.4	19.7
11 7	3 52.29	+20 28.9	1.595	2.564	6.0	19.4
11 17	3 41.98	+19 47.0	1.571	2.559	1.2	19.1
11 27	3 31.42	+19 1.5	1.576	2.554	3.7	19.3
12 7	3 21.90	+18 17.5	1.608	2.548	8.4	19.5
12 17	3 14.48	+17 40.4	1.667	2.542	12.6	19.8
12 27	3 9.83	+17 14.2	1.748	2.535	16.1	20.0

483031 2015 FC_{44} 11 19.3 100°.43 1°.5/18.7 18

10 18	4 8.76	+16 21.9	1.621	2.478	14.6	21.4
10 28	4 1.85	+16 11.6	1.567	2.492	10.5	21.2
11 7	3 52.61	+15 58.2	1.536	2.506	6.0	21.0
11 17	3 42.02	+15 43.7	1.533	2.520	1.7	20.8
11 27	3 31.38	+15 31.0	1.558	2.534	4.3	21.0
12 7	3 21.98	+15 23.6	1.611	2.547	8.7	21.3
12 17	3 14.77	+15 24.0	1.690	2.560	12.7	21.5
12 27	3 10.36	+15 34.0	1.790	2.573	16.0	21.8

517365 2014 KO_{19} 11 19.3 201°.40 1°.3/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.18	+17 14.9	2.137	2.986	11.9	22.7
10 28	3 58.99	+16 48.7	2.061	2.982	8.6	22.5
11 7	3 50.92	+16 18.2	2.010	2.979	4.9	22.3
11 17	3 41.71	+15 45.7	1.988	2.975	1.4	22.1
11 27	3 32.31	+15 14.4	1.996	2.970	3.7	22.2
12 7	3 23.72	+14 47.6	2.033	2.965	7.4	22.4
12 17	3 16.74	+14 28.6	2.097	2.960	10.9	22.6
12 27	3 11.98	+14 19.4	2.185	2.954	13.9	22.8

126677 2002 CO_{218} 11 19.3 192°.26 0°.7/18.9 18

10 18	4 3.55	+18 18.0	2.241	3.089	11.4	20.1
10 28	3 57.75	+18 3.5	2.167	3.089	8.2	19.9
11 7	3 50.20	+17 44.9	2.119	3.088	4.7	19.7
11 17	3 41.58	+17 23.6	2.100	3.087	1.0	19.4
11 27	3 32.80	+17 2.1	2.110	3.086	3.2	19.6
12 7	3 24.78	+16 43.4	2.150	3.085	6.9	19.8
12 17	3 18.28	+16 30.2	2.217	3.084	10.2	20.0
12 27	3 13.86	+16 24.7	2.307	3.082	13.0	20.2

489178 2006 GB_{41} 11 19.3 242°.05 1°.4/20.2 18

10 18	4 5.33	+24 19.8	2.886	3.711	9.8	21.9
10 28	3 58.91	+24 36.4	2.788	3.694	7.3	21.7
11 7	3 50.85	+24 47.1	2.717	3.677	4.5	21.5
11 17	3 41.72	+24 51.2	2.676	3.660	1.8	21.3
11 27	3 32.28	+24 49.3	2.666	3.642	2.7	21.3
12 7	3 23.34	+24 43.2	2.687	3.623	5.6	21.5
12 17	3 15.63	+24 35.2	2.737	3.604	8.5	21.7
12 27	3 9.72	+24 28.3	2.813	3.585	11.0	21.8

347359 2012 QF_{41} 11 19.3 27°.72 1°.8/18.7 18

10 18	4 4.46	+17 25.5	1.122	2.005	17.8	19.9
10 28	3 59.44	+16 58.4	1.079	2.016	12.8	19.6
11 7	3 51.48	+16 25.8	1.056	2.029	7.2	19.4
11 17	3 41.82	+15 51.6	1.056	2.043	2.0	19.1
11 27	3 32.17	+15 21.3	1.081	2.058	5.3	19.4
12 7	3 24.11	+15 0.3	1.131	2.074	10.6	19.7
12 17	3 18.78	+14 52.3	1.203	2.091	15.3	20.0
12 27	3 16.77	+14 59.0	1.294	2.109	19.1	20.4

208809 2002 QW_{109} 11 19.3 12°.31 2°.5/18.1 18

10 18	4 4.05	+14 51.4	1.624	2.489	14.1	20.6
10 28	3 58.57	+14 18.5	1.561	2.490	10.2	20.4
11 7	3 50.82	+13 43.1	1.521	2.491	6.0	20.2
11 17	3 41.71	+13 8.6	1.508	2.493	2.6	20.0
11 27	3 32.44	+12 39.5	1.522	2.494	5.0	20.1
12 7	3 24.21	+12 19.8	1.564	2.496	9.2	20.4
12 17	3 17.99	+12 12.2	1.630	2.499	13.2	20.6
12 27	3 14.42	+12 18.2	1.717	2.501	16.5	20.8

43145 1999 XT_{98} 11 19.3 319°.12 2°.5/18.2 18

10 18	4 4.03	+12 0.3	2.135	2.989	11.7	17.8
10 28	3 58.15	+11 56.1	2.064	2.987	8.5	17.6
11 7	3 50.45	+11 53.1	2.018	2.984	5.1	17.4
11 17	3 41.64	+11 53.1	1.999	2.982	2.5	17.3
11 27	3 32.63	+11 58.4	2.011	2.980	4.3	17.4
12 7	3 24.38	+12 10.4	2.051	2.978	7.7	17.6
12 17	3 17.67	+12 30.3	2.118	2.976	11.0	17.8
12 27	3 13.10	+12 58.8	2.208	2.974	13.8	18.0

351434 2005 GD_{163} 11 19.3 289°.76 2°.6/18.1 18

10 18	4 4.28	+14 5.0	1.786	2.647	13.3	20.7
10 28	3 58.62	+13 34.5	1.716	2.643	9.6	20.5
11 7	3 50.83	+13 2.4	1.671	2.640	5.7	20.3
11 17	3 41.73	+12 31.6	1.652	2.636	2.6	20.1
11 27	3 32.42	+12 6.2	1.662	2.633	4.9	20.2
12 7	3 24.03	+11 49.7	1.700	2.629	8.8	20.5
12 17	3 17.49	+11 44.8	1.763	2.626	12.6	20.7
12 27	3 13.43	+11 52.6	1.847	2.623	15.8	20.9

269476 2009 TR_{34} 11 19.3 16°.42 4°.9/17.4 18

10 18	4 1.26	+ 8 53.6	1.450	2.325	14.9	19.0
10 28	3 56.59	+ 8 21.5	1.403	2.334	11.0	18.8
11 7	3 49.68	+ 7 54.2	1.379	2.345	7.1	18.6
11 17	3 41.50	+ 7 36.2	1.380	2.357	4.9	18.5
11 27	3 33.26	+ 7 31.5	1.407	2.370	6.8	18.6
12 7	3 26.17	+ 7 42.3	1.459	2.384	10.5	18.9
12 17	3 21.14	+ 8 8.6	1.534	2.399	14.1	19.1
12 27	3 18.74	+ 8 49.2	1.630	2.415	17.2	19.4

217157 2002 PA_{19} 11 19.3 26°.76 4°.4/21.4 18

10 18	4 6.72	+30 43.1	1.178	2.033	19.0	19.5
10 28	4 1.41	+30 39.1	1.123	2.039	14.6	19.2
11 7	3 52.77	+30 13.0	1.087	2.046	9.6	19.0
11 17	3 42.11	+29 24.0	1.074	2.054	5.2	18.7
11 27	3 31.32	+28 16.3	1.086	2.062	5.5	18.8
12 7	3 22.26	+26 59.4	1.123	2.071	10.0	19.1
12 17	3 16.23	+25 43.7	1.183	2.081	14.7	19.4
12 27	3 13.91	+24 38.5	1.262	2.091	18.7	19.7

516725 2009 DK_{12} 11 19.3 78°.12 1°.9/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 4.13	+ 9 32.1	3.831	4.661	7.5	22.1
10 28	3 57.36	+ 9 43.6	3.784	4.693	5.4	22.0
11 7	3 49.66	+ 9 56.9	3.766	4.726	3.3	21.9
11 17	3 41.48	+10 12.6	3.780	4.758	1.9	21.8
11 27	3 33.32	+10 31.3	3.827	4.790	2.9	21.9
12 7	3 25.71	+10 53.7	3.907	4.822	4.8	22.1
12 17	3 19.04	+11 20.0	4.017	4.853	6.7	22.3
12 27	3 13.65	+11 50.3	4.154	4.884	8.4	22.4

207124 2005 AB_{62} 11 19.3 119°.74 7°.6/24.2 18

10 18	4 11.73	+41 54.3	1.996	2.767	15.4	20.1
10 28	4 4.29	+42 24.9	1.929	2.778	12.8	19.9
11 7	3 54.14	+42 33.5	1.884	2.788	10.2	19.8
11 17	3 42.37	+42 16.2	1.864	2.799	8.1	19.7
11 27	3 30.45	+41 33.2	1.870	2.808	7.6	19.6
12 7	3 19.88	+40 29.4	1.904	2.818	9.1	19.8
12 17	3 11.78	+39 12.7	1.964	2.827	11.5	19.9
12 27	3 6.81	+37 52.4	2.047	2.836	14.0	20.1

223091 2002 TY_{381} 11 19.3 113°.07 2°.2/20.3 18

10 18	4 11.95	+25 11.3	1.673	2.511	15.1	20.9
10 28	4 4.26	+25 25.3	1.616	2.528	11.2	20.7
11 7	3 54.04	+25 28.2	1.584	2.546	6.8	20.4
11 17	3 42.34	+25 19.2	1.578	2.562	2.7	20.2
11 27	3 30.59	+25 0.1	1.601	2.578	3.9	20.3
12 7	3 20.18	+24 35.3	1.653	2.594	8.1	20.6
12 17	3 12.15	+24 10.1	1.731	2.609	12.0	20.9
12 27	3 7.13	+23 49.6	1.832	2.623	15.3	21.2

319394 2006 ET_{69} 11 19.3 188°.18 5°.9/24.6 18

10 18	4 10.14	+46 17.3	3.718	4.427	9.9	21.9
10 28	4 2.36	+46 55.6	3.630	4.426	8.5	21.8
11 7	3 52.80	+47 19.5	3.566	4.424	7.1	21.7
11 17	3 42.12	+47 26.6	3.528	4.421	6.1	21.6
11 27	3 31.16	+47 16.0	3.519	4.418	5.9	21.6
12 7	3 20.84	+46 49.3	3.539	4.414	6.6	21.7
12 17	3 11.93	+46 9.8	3.587	4.410	7.8	21.7
12 27	3 5.03	+45 22.4	3.660	4.405	9.2	21.9

209742 2005 EW_{195} 11 19.3 135°.52 0°.1/19.4 18

10 18	4 5.55	+21 20.4	1.920	2.769	13.0	21.0
10 28	3 59.42	+21 1.1	1.853	2.773	9.5	20.8
11 7	3 51.23	+20 34.3	1.810	2.778	5.4	20.5
11 17	3 41.82	+20 1.4	1.795	2.782	1.1	20.3
11 27	3 32.28	+19 25.6	1.809	2.787	3.3	20.4
12 7	3 23.71	+18 51.1	1.851	2.791	7.5	20.7
12 17	3 17.00	+18 22.0	1.921	2.794	11.2	20.9
12 27	3 12.72	+18 1.8	2.013	2.798	14.3	21.2

82470 2001 OT_{21} 11 19.3 56°.06 3°.1/17.8 18

10 18	4 3.86	+13 9.7	1.714	2.577	13.6	19.0
10 28	3 58.20	+12 28.2	1.661	2.589	9.8	18.8
11 7	3 50.51	+11 46.2	1.633	2.601	5.9	18.6
11 17	3 41.67	+11 7.5	1.632	2.614	3.1	18.5
11 27	3 32.81	+10 36.6	1.658	2.626	5.2	18.6
12 7	3 25.02	+10 17.0	1.712	2.639	9.0	18.9
12 17	3 19.13	+10 10.7	1.791	2.652	12.6	19.1
12 27	3 15.68	+10 18.4	1.892	2.665	15.5	19.4

278208 2007 ED_{37} 11 19.3 263°.53 0°.8/18.9 18

10 18	4 6.27	+19 21.5	1.629	2.487	14.5	21.6
10 28	4 0.41	+18 52.7	1.549	2.475	10.6	21.3
11 7	3 52.03	+18 16.1	1.493	2.463	6.0	21.0
11 17	3 42.01	+17 34.1	1.463	2.451	1.3	20.7
11 27	3 31.62	+16 50.8	1.462	2.439	4.2	20.8
12 7	3 22.23	+16 11.7	1.488	2.426	9.0	21.1
12 17	3 14.95	+15 41.6	1.539	2.413	13.4	21.3
12 27	3 10.52	+15 24.2	1.611	2.400	17.1	21.5

376620 2013 PZ_{48} 11 19.3 134°.00 1°.8/20.6 17

10 18	4 3.04	+27 1.4	2.668	3.494	10.5	21.8
10 28	3 57.19	+26 53.0	2.597	3.501	7.8	21.6
11 7	3 49.81	+26 35.5	2.551	3.508	4.9	21.5
11 17	3 41.54	+26 9.4	2.533	3.516	2.2	21.3
11 27	3 33.19	+25 36.5	2.546	3.522	2.8	21.4
12 7	3 25.56	+24 59.9	2.590	3.529	5.6	21.6
12 17	3 19.31	+24 23.1	2.662	3.536	8.5	21.8
12 27	3 14.93	+23 49.8	2.759	3.542	10.9	21.9

367859 2011 CD_{59} 11 19.3 290°.55 5°.4/16.0 17

10 18	4 1.08	+ 4 26.6	2.234	3.086	11.3	21.2
10 28	3 55.92	+ 3 37.2	2.168	3.081	8.7	21.0
11 7	3 49.15	+ 2 53.2	2.126	3.076	6.3	20.9
11 17	3 41.43	+ 2 18.8	2.112	3.071	5.4	20.8
11 27	3 33.56	+ 1 57.9	2.126	3.066	6.7	20.9
12 7	3 26.38	+ 1 52.6	2.168	3.061	9.2	21.0
12 17	3 20.59	+ 2 3.5	2.234	3.056	11.9	21.2
12 27	3 16.72	+ 2 29.8	2.322	3.052	14.2	21.4

28683 Victorostrik 11 19.3 33°.90 1°.3/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.64	+23 25.7	1.695	2.547	14.3	18.6
10 28	3 59.78	+23 29.3	1.631	2.551	10.5	18.4
11 7	3 51.56	+23 23.7	1.590	2.556	6.2	18.1
11 17	3 41.90	+23 9.1	1.575	2.561	1.9	17.9
11 27	3 32.06	+22 47.8	1.588	2.567	3.6	18.0
12 7	3 23.31	+22 23.8	1.629	2.573	8.0	18.3
12 17	3 16.65	+22 1.7	1.696	2.579	11.9	18.5
12 27	3 12.74	+21 45.9	1.785	2.585	15.3	18.8

424969 2009 BT_5 11 19.3 213°.45 32°.8/ 7.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 24.11	−29 58.6	0.694	1.491	34.2	22.1
10 28	4 15.44	−32 57.4	0.673	1.486	33.2	22.0
11 7	4 1.37	−34 51.1	0.661	1.480	32.8	21.9
11 17	3 43.84	−35 17.3	0.657	1.472	33.1	21.9
11 27	3 26.04	−34 4.9	0.663	1.463	34.1	22.0
12 7	3 11.08	−31 20.4	0.677	1.452	35.7	22.0
12 17	3 0.95	−27 21.8	0.699	1.439	37.7	22.1
12 27	2 56.40	−22 31.9	0.729	1.426	39.8	22.3

279216 2009 UQ_{69} 11 19.3 332°.22 3°.8/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 58.51	+15 12.3	1.548	2.425	14.0	19.8
10 28	3 54.88	+13 40.3	1.462	2.397	10.3	19.5
11 7	3 48.93	+11 59.2	1.399	2.370	6.3	19.2
11 17	3 41.44	+10 15.6	1.362	2.344	3.8	19.0
11 27	3 33.54	+ 8 38.6	1.353	2.318	6.5	19.1
12 7	3 26.49	+ 7 16.9	1.369	2.294	10.9	19.3
12 17	3 21.34	+ 6 16.7	1.409	2.272	15.2	19.5
12 27	3 18.84	+ 5 41.0	1.468	2.250	18.9	19.7

174408 2002 VG_{76} 11 19.4 302°.84 3°.2/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.89	+12 14.1	1.793	2.655	13.2	20.1
10 28	3 58.36	+11 43.5	1.723	2.649	9.6	19.8
11 7	3 50.72	+11 12.8	1.676	2.643	5.9	19.6
11 17	3 41.76	+10 45.5	1.656	2.637	3.3	19.4
11 27	3 32.58	+10 25.6	1.664	2.632	5.3	19.5
12 7	3 24.28	+10 16.2	1.700	2.626	9.1	19.8
12 17	3 17.78	+10 19.4	1.761	2.621	12.8	20.0
12 27	3 13.73	+10 35.8	1.843	2.615	15.9	20.2

516869 2011 HD_8 11 19.4 321°.36 11°.8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.39	+ 6 21.6	1.071	1.962	17.6	20.5
10 28	3 56.45	+ 2 44.8	0.987	1.920	14.2	20.2
11 7	3 50.31	− 1 8.3	0.926	1.878	11.9	19.9
11 17	3 41.78	− 4 57.3	0.890	1.837	12.7	19.8
11 27	3 32.36	− 8 17.8	0.877	1.797	16.4	19.9
12 7	3 23.85	−10 50.4	0.886	1.757	21.2	20.0
12 17	3 17.82	−12 25.9	0.911	1.720	25.9	20.2
12 27	3 15.43	−13 5.5	0.948	1.684	29.9	20.3

270720 2002 QN_{113} 11 19.4 100°.59 5°.9/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 7.57	+41 32.0	2.597	3.358	12.5	20.5
10 28	4 0.68	+41 44.0	2.532	3.375	10.3	20.4
11 7	3 51.86	+41 38.2	2.490	3.392	8.1	20.3
11 17	3 41.96	+41 12.9	2.474	3.409	6.3	20.2
11 27	3 32.05	+40 28.9	2.486	3.425	6.0	20.2
12 7	3 23.15	+39 30.1	2.527	3.441	7.2	20.3
12 17	3 16.08	+38 22.1	2.596	3.456	9.1	20.5
12 27	3 11.37	+37 11.4	2.689	3.472	11.2	20.6

513971 2014 FH_{55} 11 19.4 156°.75 3°.4/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 10.11	+29 59.3	2.321	3.133	12.3	22.1
10 28	4 2.63	+30 27.5	2.248	3.140	9.4	22.0
11 7	3 53.07	+30 44.3	2.200	3.148	6.3	21.8
11 17	3 42.22	+30 48.0	2.181	3.154	3.8	21.6
11 27	3 31.17	+30 38.9	2.191	3.160	4.1	21.7
12 7	3 21.00	+30 19.6	2.232	3.165	6.8	21.9
12 17	3 12.63	+29 54.6	2.301	3.170	9.8	22.1
12 27	3 6.68	+29 28.9	2.394	3.174	12.5	22.2

56234 1999 JL_{42} 11 19.4 116°.82 0°.3/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.60	+19 22.7	1.997	2.848	12.5	18.9
10 28	3 58.72	+19 12.5	1.927	2.849	9.0	18.7
11 7	3 50.86	+18 57.0	1.882	2.851	5.1	18.5
11 17	3 41.80	+18 37.5	1.864	2.852	1.0	18.2
11 27	3 32.57	+18 16.7	1.876	2.853	3.3	18.4
12 7	3 24.21	+17 57.8	1.916	2.854	7.4	18.6
12 17	3 17.58	+17 44.1	1.983	2.855	11.0	18.9
12 27	3 13.28	+17 38.0	2.073	2.857	14.0	19.1

331048 2009 VD_{93} 11 19.4 311°.89 1°.4/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.88	+14 12.8	2.095	2.946	12.0	20.2
10 28	3 59.66	+14 31.9	2.016	2.938	8.7	20.0
11 7	3 51.45	+14 51.7	1.961	2.930	5.0	19.7
11 17	3 41.94	+15 12.7	1.936	2.922	1.6	19.5
11 27	3 32.12	+15 35.8	1.940	2.914	3.7	19.6
12 7	3 23.02	+16 2.0	1.973	2.907	7.5	19.8
12 17	3 15.52	+16 32.5	2.034	2.900	11.0	20.0
12 27	3 10.30	+17 8.2	2.118	2.893	14.0	20.2

137607 1999 VC_{176} 11 19.4 53°.15 3°.7/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 10.26	+13 2.2	1.097	1.974	18.5	18.9
10 28	4 3.33	+12 33.8	1.069	2.003	13.3	18.7
11 7	3 53.53	+12 6.5	1.061	2.032	7.8	18.5
11 17	3 42.28	+11 44.6	1.078	2.061	3.7	18.4
11 27	3 31.37	+11 32.8	1.119	2.091	6.4	18.6
12 7	3 22.34	+11 34.2	1.186	2.121	11.2	19.0
12 17	3 16.23	+11 49.8	1.275	2.152	15.5	19.3
12 27	3 13.49	+12 19.1	1.384	2.182	19.0	19.7

189411 1993 TZ_{26} 11 19.4 50°.64 2°.2/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.78	+16 27.1	1.293	2.165	16.6	20.0
10 28	4 0.76	+15 54.3	1.251	2.183	11.9	19.8
11 7	3 52.13	+15 17.5	1.230	2.202	6.8	19.6
11 17	3 42.04	+14 40.7	1.235	2.221	2.3	19.4
11 27	3 32.04	+14 8.9	1.265	2.240	5.2	19.6
12 7	3 23.54	+13 47.1	1.322	2.260	10.0	19.9
12 17	3 17.56	+13 38.1	1.402	2.280	14.3	20.2
12 27	3 14.65	+13 43.4	1.503	2.301	17.8	20.5

381822 2009 VC_{76} 11 19.4 328°.10 2°.1/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.04	+15 30.7	1.351	2.222	16.0	20.4
10 28	4 0.59	+15 19.5	1.282	2.214	11.7	20.1
11 7	3 52.29	+15 5.7	1.235	2.207	6.8	19.8
11 17	3 42.13	+14 52.0	1.214	2.200	2.3	19.5
11 27	3 31.58	+14 41.9	1.218	2.194	5.2	19.7
12 7	3 22.20	+14 39.3	1.248	2.188	10.3	19.9
12 17	3 15.23	+14 47.2	1.302	2.183	15.0	20.2
12 27	3 11.48	+15 7.3	1.376	2.178	18.9	20.4

357093 2001 SD_{356} 11 19.4 88°.14 0°.8/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.19	+18 6.4	1.944	2.795	12.8	21.2
10 28	3 59.73	+17 53.0	1.891	2.813	9.2	21.0
11 7	3 51.35	+17 35.4	1.862	2.831	5.2	20.8
11 17	3 41.90	+17 15.2	1.861	2.849	1.2	20.6
11 27	3 32.45	+16 55.3	1.890	2.866	3.5	20.8
12 7	3 24.02	+16 38.9	1.947	2.883	7.4	21.1
12 17	3 17.42	+16 28.7	2.031	2.900	10.9	21.3
12 27	3 13.16	+16 26.8	2.138	2.917	13.8	21.6

210010 2006 KO 11 19.4 125°.50 0°.6/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 10.66	+19 18.3	1.498	2.354	15.6	20.6
10 28	4 3.50	+19 3.9	1.441	2.365	11.3	20.4
11 7	3 53.71	+18 42.7	1.407	2.377	6.4	20.1
11 17	3 42.38	+18 16.4	1.399	2.387	1.3	19.8
11 27	3 30.97	+17 48.7	1.420	2.397	4.2	20.0
12 7	3 20.92	+17 24.3	1.468	2.407	9.1	20.4
12 17	3 13.30	+17 7.5	1.541	2.416	13.4	20.6
12 27	3 8.77	+17 1.5	1.636	2.425	16.9	20.9

327621 2006 GK_{54} 11 19.4 163°.32 4°.1/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.98	+34 40.3	2.771	3.563	11.0	21.9
10 28	3 59.48	+35 1.0	2.693	3.567	8.7	21.7
11 7	3 51.22	+35 9.2	2.640	3.571	6.3	21.6
11 17	3 41.90	+35 3.5	2.614	3.574	4.5	21.4
11 27	3 32.40	+34 44.3	2.618	3.577	4.4	21.4
12 7	3 23.63	+34 14.0	2.652	3.579	6.2	21.6
12 17	3 16.36	+33 36.8	2.715	3.582	8.6	21.7
12 27	3 11.14	+32 57.4	2.802	3.583	10.8	21.9

255497 2006 AX_{83} 11 19.4 322°.46 2°.2/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.53	+13 1.0	2.011	2.866	12.2	19.9
10 28	3 58.69	+13 2.1	1.937	2.861	8.9	19.7
11 7	3 50.90	+13 4.0	1.888	2.856	5.2	19.5
11 17	3 41.86	+13 8.2	1.866	2.851	2.3	19.3
11 27	3 32.57	+13 16.6	1.874	2.846	4.2	19.4
12 7	3 24.06	+13 31.0	1.910	2.841	7.9	19.6
12 17	3 17.19	+13 52.7	1.972	2.836	11.4	19.8
12 27	3 12.59	+14 22.4	2.058	2.832	14.4	20.0

195756 2002 PO_{105} 11 19.4 127°.12 2°.0/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.23	+28 12.5	2.481	3.306	11.2	20.3
10 28	3 57.46	+27 55.7	2.408	3.311	8.4	20.1
11 7	3 50.05	+27 28.1	2.360	3.317	5.3	19.9
11 17	3 41.68	+26 50.4	2.340	3.322	2.5	19.7
11 27	3 33.22	+26 4.7	2.351	3.327	3.0	19.8
12 7	3 25.56	+25 15.0	2.392	3.332	6.0	20.0
12 17	3 19.39	+24 25.6	2.460	3.337	9.0	20.2
12 27	3 15.22	+23 40.7	2.554	3.342	11.6	20.4

218205 2002 TR_{215} 11 19.4 17°.27 6°.2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.83	+ 8 16.2	0.849	1.749	20.2	19.0
10 28	3 58.78	+ 8 0.4	0.815	1.759	15.0	18.7
11 7	3 51.35	+ 7 54.3	0.799	1.770	9.6	18.5
11 17	3 41.95	+ 8 3.2	0.804	1.784	6.2	18.4
11 27	3 32.54	+ 8 30.8	0.830	1.800	8.6	18.6
12 7	3 24.98	+ 9 17.3	0.878	1.817	13.4	18.9
12 17	3 20.51	+10 20.1	0.945	1.837	18.1	19.2
12 27	3 19.75	+11 35.6	1.029	1.858	22.0	19.6

285486 2000 CY_{71} 11 19.4 326°.92 0°.1/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.64	+20 34.0	1.302	2.172	16.6	21.0
10 28	4 0.47	+20 19.7	1.232	2.163	12.2	20.8
11 7	3 52.31	+19 56.2	1.184	2.155	7.0	20.5
11 17	3 42.18	+19 25.3	1.159	2.147	1.4	20.1
11 27	3 31.64	+18 50.9	1.161	2.140	4.5	20.3
12 7	3 22.34	+18 18.9	1.189	2.134	10.0	20.6
12 17	3 15.60	+17 55.1	1.239	2.128	15.0	20.8
12 27	3 12.23	+17 43.8	1.309	2.122	19.1	21.1

47175 1999 TP_{98} 11 19.4 83°.23 0°.3/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 12.84	+18 20.2	1.400	2.257	16.5	18.0
10 28	4 5.08	+18 33.4	1.355	2.279	11.9	17.8
11 7	3 54.59	+18 41.6	1.332	2.302	6.7	17.5
11 17	3 42.57	+18 45.2	1.336	2.324	1.3	17.2
11 27	3 30.60	+18 46.1	1.368	2.346	4.2	17.5
12 7	3 20.20	+18 47.8	1.428	2.368	9.2	17.9
12 17	3 12.45	+18 53.5	1.512	2.389	13.5	18.2
12 27	3 7.95	+19 6.1	1.617	2.410	16.9	18.5

69395 1995 FO_{12} 11 19.4 29°.54 2°.0/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.66	+15 57.1	1.917	2.778	12.5	19.2
10 28	3 56.56	+15 18.3	1.857	2.784	9.0	19.0
11 7	3 49.62	+14 36.2	1.822	2.792	5.2	18.8
11 17	3 41.61	+13 54.3	1.814	2.799	2.0	18.6
11 27	3 33.53	+13 16.5	1.835	2.807	4.2	18.7
12 7	3 26.36	+12 46.6	1.884	2.816	7.9	19.0
12 17	3 20.86	+12 27.5	1.958	2.824	11.4	19.2
12 27	3 17.58	+12 20.7	2.055	2.834	14.3	19.4

173751 2001 RE_{46} 11 19.4 56°.18 2°.0/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.61	+25 54.8	1.799	2.642	14.0	19.9
10 28	3 59.68	+25 51.0	1.735	2.649	10.4	19.7
11 7	3 51.51	+25 35.8	1.694	2.657	6.4	19.5
11 17	3 41.99	+25 9.4	1.680	2.664	2.5	19.2
11 27	3 32.35	+24 34.4	1.694	2.672	3.6	19.3
12 7	3 23.79	+23 55.5	1.736	2.679	7.6	19.6
12 17	3 17.24	+23 17.9	1.805	2.687	11.3	19.8
12 27	3 13.34	+22 46.5	1.896	2.695	14.6	20.1

269262 2008 RM_{29} 11 19.4 304°.09 7°.1/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	3 59.96	+ 0 34.4	2.179	3.028	11.7	19.8
10 28	3 55.21	− 0 50.5	2.113	3.017	9.4	19.6
11 7	3 48.84	− 2 8.2	2.073	3.007	7.6	19.5
11 17	3 41.49	− 3 12.7	2.059	2.997	7.2	19.5
11 27	3 33.98	− 3 58.7	2.073	2.987	8.6	19.5
12 7	3 27.14	− 4 23.2	2.113	2.977	10.8	19.7
12 17	3 21.68	− 4 25.7	2.176	2.968	13.2	19.8
12 27	3 18.13	− 4 7.5	2.259	2.958	15.4	20.0

216334 2007 VG_{193} 11 19.4 313°.43 1°.7/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.55	+16 9.4	1.828	2.686	13.1	20.3
10 28	3 58.85	+15 48.8	1.758	2.684	9.5	20.1
11 7	3 51.05	+15 25.1	1.712	2.682	5.5	19.9
11 17	3 41.94	+15 0.6	1.693	2.680	1.8	19.6
11 27	3 32.62	+14 38.6	1.703	2.677	4.2	19.8
12 7	3 24.22	+14 22.6	1.741	2.676	8.3	20.0
12 17	3 17.64	+14 15.5	1.805	2.674	12.1	20.2
12 27	3 13.51	+14 19.0	1.890	2.672	15.3	20.5

197685 2004 NQ_{27} 11 19.4 172°.84 3°.1/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.76	+12 43.5	1.952	2.805	12.7	21.0
10 28	4 0.23	+12 2.7	1.886	2.808	9.2	20.8
11 7	3 51.73	+11 21.0	1.845	2.811	5.6	20.6
11 17	3 42.06	+10 41.9	1.831	2.813	3.1	20.5
11 27	3 32.27	+10 9.6	1.848	2.814	5.0	20.6
12 7	3 23.40	+ 9 47.4	1.893	2.815	8.6	20.8
12 17	3 16.30	+ 9 37.8	1.964	2.815	12.1	21.0
12 27	3 11.55	+ 9 41.6	2.057	2.814	15.0	21.2

303552 2005 GO_{12} 11 19.4 227°.92 5°.3/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.51	+ 5 56.0	2.239	3.088	11.4	21.4
10 28	3 57.75	+ 4 42.2	2.164	3.077	8.7	21.2
11 7	3 50.30	+ 3 31.1	2.115	3.066	6.3	21.0
11 17	3 41.80	+ 2 28.0	2.094	3.054	5.4	21.0
11 27	3 33.12	+ 1 37.9	2.103	3.042	6.9	21.0
12 7	3 25.12	+ 1 4.4	2.139	3.029	9.6	21.2
12 17	3 18.56	+ 0 49.2	2.201	3.015	12.3	21.3
12 27	3 13.98	+ 0 52.1	2.285	3.001	14.8	21.5

116108 2003 WR_{134} 11 19.4 21°.07 2°.0/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 8.45	+13 24.2	1.574	2.434	14.8	19.0
10 28	4 1.95	+13 45.2	1.510	2.436	10.8	18.8
11 7	3 52.93	+14 7.9	1.470	2.439	6.2	18.6
11 17	3 42.33	+14 32.8	1.456	2.443	2.2	18.3
11 27	3 31.47	+15 1.0	1.471	2.446	4.6	18.5
12 7	3 21.70	+15 33.6	1.513	2.450	9.1	18.8
12 17	3 14.12	+16 11.4	1.581	2.454	13.2	19.0
12 27	3 9.44	+16 55.3	1.670	2.459	16.7	19.3

185262 2006 UD_{124} 11 19.4 259°.12 2°.7/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 6.41	+15 46.3	1.504	2.369	15.1	21.4
10 28	4 0.63	+14 56.2	1.431	2.360	11.0	21.1
11 7	3 52.25	+14 0.6	1.380	2.350	6.4	20.8
11 17	3 42.21	+13 3.9	1.355	2.340	2.8	20.6
11 27	3 31.84	+12 12.0	1.358	2.330	5.5	20.7
12 7	3 22.55	+11 31.1	1.388	2.320	10.2	21.0
12 17	3 15.46	+11 5.5	1.442	2.310	14.6	21.2
12 27	3 11.34	+10 57.5	1.516	2.299	18.3	21.5

506078 2015 VP_{63} 11 19.4 4°.48 6°.0/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 1.11	+ 6 48.8	1.544	2.416	14.4	20.5
10 28	3 56.52	+ 5 55.9	1.489	2.415	10.8	20.3
11 7	3 49.76	+ 5 8.4	1.456	2.416	7.5	20.1
11 17	3 41.70	+ 4 32.3	1.448	2.418	6.0	20.0
11 27	3 33.50	+ 4 12.6	1.467	2.420	7.7	20.1
12 7	3 26.32	+ 4 12.1	1.511	2.424	11.1	20.3
12 17	3 21.07	+ 4 31.3	1.578	2.428	14.5	20.5
12 27	3 18.36	+ 5 8.4	1.664	2.433	17.5	20.8

300395 2007 RG_{231} 11 19.4 302°.57 6°.7/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 9.69	+34 21.8	1.659	2.477	16.1	20.8
10 28	4 3.51	+35 19.6	1.575	2.463	13.0	20.6
11 7	3 54.19	+36 1.5	1.513	2.449	9.7	20.4
11 17	3 42.64	+36 22.0	1.475	2.436	7.1	20.2
11 27	3 30.37	+36 18.9	1.464	2.423	7.1	20.2
12 7	3 19.12	+35 55.0	1.479	2.410	9.8	20.3
12 17	3 10.38	+35 16.9	1.519	2.397	13.4	20.5
12 27	3 5.11	+34 33.8	1.580	2.385	16.8	20.7

263159 2007 VZ_{300} 11 19.4 303°.28 3°.0/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.75	+12 10.9	1.678	2.539	13.9	20.3
10 28	4 0.01	+12 3.4	1.599	2.526	10.2	20.1
11 7	3 51.88	+11 57.2	1.544	2.512	6.2	19.8
11 17	3 42.16	+11 54.7	1.516	2.499	3.0	19.6
11 27	3 32.03	+11 58.9	1.515	2.486	5.2	19.7
12 7	3 22.77	+12 12.0	1.542	2.473	9.4	19.9
12 17	3 15.45	+12 35.5	1.594	2.461	13.5	20.1
12 27	3 10.84	+13 10.0	1.667	2.449	17.0	20.4

271340 2003 WL_{86} 11 19.4 337°.68 0°.9/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 0.86	+19 13.6	1.816	2.678	13.0	20.3
10 28	3 56.30	+18 41.8	1.739	2.667	9.5	20.1
11 7	3 49.66	+18 3.3	1.685	2.656	5.4	19.8
11 17	3 41.71	+17 20.5	1.659	2.646	1.2	19.5
11 27	3 33.50	+16 37.6	1.660	2.637	3.8	19.7
12 7	3 26.13	+15 59.2	1.689	2.628	8.1	19.9
12 17	3 20.51	+15 29.5	1.743	2.621	12.0	20.1
12 27	3 17.29	+15 11.5	1.819	2.613	15.3	20.3

102007 1999 RB_{82} 11 19.4 154°.15 2°.0/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 10.40	+26 21.6	1.748	2.583	14.7	19.8
10 28	4 3.21	+26 7.9	1.680	2.591	10.9	19.6
11 7	3 53.56	+25 41.2	1.637	2.598	6.7	19.3
11 17	3 42.45	+25 1.7	1.620	2.605	2.5	19.1
11 27	3 31.23	+24 12.7	1.633	2.611	3.7	19.2
12 7	3 21.22	+23 19.8	1.675	2.616	8.0	19.5
12 17	3 13.46	+22 29.3	1.743	2.620	12.0	19.7
12 27	3 8.57	+21 46.9	1.833	2.624	15.3	20.0

129506 1995 SJ_{32} 11 19.4 311°.19 0°.7/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.71	+19 28.3	1.548	2.411	14.8	19.9
10 28	3 59.43	+19 5.5	1.472	2.400	10.8	19.6
11 7	3 51.60	+18 35.1	1.418	2.389	6.2	19.3
11 17	3 42.10	+17 59.4	1.391	2.379	1.3	19.0
11 27	3 32.25	+17 22.5	1.391	2.369	4.2	19.2
12 7	3 23.41	+16 49.3	1.418	2.359	9.1	19.4
12 17	3 16.72	+16 24.8	1.469	2.350	13.6	19.7
12 27	3 12.93	+16 12.5	1.542	2.341	17.3	19.9

145201 2005 JQ_{33} 11 19.4 227°.15 0°.8/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.12	+20 49.7	1.899	2.751	13.0	20.2
10 28	3 58.47	+19 51.0	1.825	2.749	9.4	19.9
11 7	3 50.80	+18 42.8	1.777	2.747	5.3	19.7
11 17	3 41.92	+17 28.7	1.757	2.744	1.2	19.4
11 27	3 32.92	+16 14.2	1.766	2.742	3.7	19.6
12 7	3 24.87	+15 5.2	1.804	2.739	7.9	19.8
12 17	3 18.62	+14 7.1	1.868	2.737	11.7	20.1
12 27	3 14.76	+13 23.5	1.955	2.734	14.9	20.3

206453 2003 SE_{314} 11 19.4 44°.05 9°.2/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 12.21	+40 50.0	1.561	2.355	18.1	19.5
10 28	4 5.43	+41 58.5	1.503	2.365	15.1	19.3
11 7	3 55.23	+42 42.9	1.465	2.375	12.0	19.1
11 17	3 42.83	+42 57.1	1.450	2.386	9.8	19.0
11 27	3 30.08	+42 39.2	1.459	2.398	9.3	19.0
12 7	3 18.92	+41 54.3	1.494	2.410	11.0	19.2
12 17	3 10.77	+40 51.6	1.553	2.422	13.7	19.4
12 27	3 6.45	+39 42.2	1.633	2.434	16.4	19.6

223585 2004 FA_{110} 11 19.4 219°.05 1°.8/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 7.10	+17 4.5	1.868	2.720	13.2	21.0
10 28	4 0.72	+16 22.0	1.789	2.712	9.6	20.8
11 7	3 52.16	+15 33.9	1.735	2.704	5.5	20.5
11 17	3 42.21	+14 43.2	1.708	2.695	1.9	20.2
11 27	3 32.01	+13 54.4	1.712	2.685	4.4	20.4
12 7	3 22.72	+13 12.6	1.743	2.674	8.6	20.6
12 17	3 15.28	+12 41.7	1.802	2.663	12.5	20.8
12 27	3 10.37	+12 24.4	1.882	2.652	15.7	21.0

346640 2008 XR_{8} 11 19.4 48°.13 3°.8/17.7 18

10 18	4 5.45	+11 42.3	1.543	2.409	14.7	19.9
10 28	3 59.67	+11 6.4	1.486	2.414	10.7	19.7
11 7	3 51.57	+10 31.3	1.453	2.420	6.6	19.4
11 17	3 42.09	+10 1.4	1.445	2.426	3.8	19.3
11 27	3 32.50	+ 9 41.0	1.465	2.432	6.0	19.4
12 7	3 24.04	+ 9 33.6	1.511	2.438	10.0	19.7
12 17	3 17.69	+ 9 40.7	1.582	2.445	13.8	19.9
12 27	3 14.06	+10 2.4	1.673	2.451	17.1	20.2

158656 2003 DH_{24} 11 19.4 213°.89 1°.0/18.9 18

10 18	4 8.32	+17 6.4	1.752	2.605	13.8	21.0
10 28	4 1.76	+17 3.3	1.678	2.601	10.1	20.8
11 7	3 52.81	+16 56.7	1.628	2.597	5.8	20.5
11 17	3 42.36	+16 48.0	1.606	2.593	1.4	20.2
11 27	3 31.59	+16 39.5	1.612	2.589	4.0	20.4
12 7	3 21.80	+16 34.2	1.647	2.584	8.5	20.6
12 17	3 14.02	+16 35.2	1.708	2.579	12.5	20.9
12 27	3 8.95	+16 44.7	1.790	2.573	15.9	21.1

298182 2002 TH_{175} 11 19.4 345°.67 3°.5/19.9 18

10 18	4 7.68	+22 48.6	1.251	2.117	17.4	19.2
10 28	4 2.49	+24 13.1	1.177	2.103	13.2	18.9
11 7	3 53.84	+25 34.0	1.124	2.090	8.3	18.6
11 17	3 42.64	+26 45.9	1.095	2.079	4.0	18.4
11 27	3 30.56	+27 44.9	1.093	2.069	5.5	18.4
12 7	3 19.57	+28 30.4	1.115	2.061	10.4	18.7
12 17	3 11.37	+29 5.3	1.160	2.054	15.3	18.9
12 27	3 7.06	+29 35.3	1.225	2.049	19.5	19.2

206469 2003 UD_{2} 11 19.4 63°.62 0°.0/19.4 18

10 18	4 6.08	+21 34.4	1.590	2.447	14.8	20.7
10 28	4 0.10	+21 6.4	1.535	2.460	10.7	20.5
11 7	3 51.78	+20 29.4	1.504	2.473	6.1	20.2
11 17	3 42.13	+19 45.7	1.498	2.486	1.2	19.9
11 27	3 32.46	+18 59.8	1.521	2.500	3.7	20.2
12 7	3 24.02	+18 17.0	1.572	2.513	8.3	20.5
12 17	3 17.77	+17 42.2	1.647	2.527	12.4	20.7
12 27	3 14.28	+17 19.0	1.745	2.541	15.8	21.0

424599 2008 GR_{145} 11 19.4 185°.54 1°.1/18.9 18

10 18	4 8.97	+17 23.2	1.928	2.775	13.0	22.3
10 28	4 1.99	+17 7.4	1.855	2.776	9.5	22.1
11 7	3 52.84	+16 47.3	1.807	2.775	5.4	21.8
11 17	3 42.37	+16 24.7	1.787	2.774	1.4	21.6
11 27	3 31.68	+16 2.5	1.797	2.772	3.8	21.7
12 7	3 21.93	+15 44.1	1.836	2.770	8.0	22.0
12 17	3 14.05	+15 32.7	1.902	2.767	11.8	22.2
12 27	3 8.70	+15 30.8	1.991	2.762	14.9	22.4

228825 2003 BK_{74} 11 19.4 284°.30 4°.9/17.7 18

10 18	4 7.54	+ 8 27.9	1.545	2.407	14.9	20.1
10 28	4 1.52	+ 8 7.5	1.465	2.389	11.2	19.8
11 7	3 52.86	+ 7 51.5	1.408	2.371	7.3	19.5
11 17	3 42.41	+ 7 44.2	1.377	2.353	4.9	19.4
11 27	3 31.45	+ 7 49.3	1.372	2.335	6.9	19.4
12 7	3 21.39	+ 8 9.5	1.395	2.317	11.0	19.6
12 17	3 13.43	+ 8 45.3	1.441	2.299	15.2	19.8
12 27	3 8.41	+ 9 35.9	1.508	2.281	18.8	20.0

157752 2006 CS_{53} 11 19.4 88°.33 0°.4/19.6 18

10 18	4 9.51	+21 38.8	1.714	2.561	14.4	20.3
10 28	4 2.33	+21 27.9	1.666	2.586	10.4	20.1
11 7	3 52.94	+21 8.8	1.642	2.610	6.0	19.9
11 17	3 42.36	+20 43.0	1.646	2.633	1.3	19.7
11 27	3 31.85	+20 13.7	1.678	2.657	3.5	19.9
12 7	3 22.63	+19 45.1	1.739	2.679	7.8	20.2
12 17	3 15.58	+19 21.5	1.826	2.702	11.6	20.5
12 27	3 11.25	+19 6.2	1.936	2.723	14.7	20.7

217519 2006 UB_{191} 11 19.4 86°.00 4°.0/21.4 18

10 18	4 11.06	+30 27.3	1.424	2.261	17.3	20.1
10 28	4 4.09	+30 25.3	1.370	2.277	13.2	19.8
11 7	3 54.19	+30 4.3	1.338	2.293	8.6	19.6
11 17	3 42.62	+29 23.6	1.330	2.309	4.6	19.4
11 27	3 31.05	+28 26.8	1.350	2.325	5.0	19.5
12 7	3 21.11	+27 21.4	1.397	2.340	9.0	19.8
12 17	3 13.94	+26 16.1	1.468	2.355	13.1	20.1
12 27	3 10.14	+25 18.7	1.561	2.370	16.7	20.3

402129 2004 GS_{76} 11 19.4 194°.77 3°.3/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 4.02	+ 9 13.0	2.576	3.420	10.2	22.0
10 28	3 57.93	+ 8 41.9	2.502	3.418	7.6	21.8
11 7	3 50.35	+ 8 12.5	2.454	3.414	4.9	21.6
11 17	3 41.87	+ 7 47.8	2.436	3.411	3.3	21.5
11 27	3 33.25	+ 7 30.3	2.449	3.406	4.7	21.6
12 7	3 25.27	+ 7 22.4	2.491	3.401	7.4	21.8
12 17	3 18.57	+ 7 25.2	2.560	3.396	10.1	21.9
12 27	3 13.65	+ 7 38.9	2.653	3.390	12.5	22.1

219240 1999 XN 11 19.4 78°.29 0°.7/19.0 18

10 18	4 4.19	+18 49.5	2.108	2.957	12.0	21.0
10 28	3 58.24	+18 27.9	2.052	2.974	8.6	20.8
11 7	3 50.56	+18 1.7	2.022	2.991	4.8	20.6
11 17	3 41.91	+17 32.6	2.020	3.008	1.1	20.4
11 27	3 33.25	+17 3.8	2.048	3.025	3.2	20.6
12 7	3 25.50	+16 38.6	2.105	3.042	6.9	20.8
12 17	3 19.40	+16 19.8	2.189	3.058	10.2	21.1
12 27	3 15.44	+16 9.5	2.296	3.075	13.0	21.3

389517 2010 GH_{141} 11 19.4 172°.65 4°.3/22.4 18

10 18	4 9.33	+35 13.1	2.486	3.277	12.2	21.3
10 28	4 2.05	+35 15.5	2.407	3.281	9.7	21.1
11 7	3 52.79	+35 2.6	2.352	3.284	6.9	21.0
11 17	3 42.36	+34 33.3	2.325	3.287	4.7	20.8
11 27	3 31.80	+33 48.6	2.327	3.289	4.6	20.8
12 7	3 22.15	+32 52.5	2.360	3.290	6.7	21.0
12 17	3 14.28	+31 50.4	2.421	3.290	9.4	21.1
12 27	3 8.76	+30 48.5	2.508	3.290	11.9	21.3

449902 2015 MZ_{112} 11 19.4 253°.98 2°.3/20.5 18

10 18	4 7.26	+26 7.1	1.697	2.540	14.7	21.4
10 28	4 1.15	+26 9.1	1.626	2.540	11.0	21.2
11 7	3 52.53	+25 59.1	1.577	2.539	6.8	20.9
11 17	3 42.34	+25 36.7	1.555	2.539	2.8	20.7
11 27	3 31.88	+25 4.1	1.561	2.538	3.9	20.7
12 7	3 22.52	+24 26.1	1.594	2.538	8.1	21.0
12 17	3 15.33	+23 48.4	1.654	2.537	12.2	21.2
12 27	3 11.02	+23 16.6	1.735	2.537	15.6	21.5

380523 2004 GQ 11 19.4 230°.48 2°.2/20.3 18

10 18	4 10.06	+25 20.0	1.779	2.616	14.4	21.6
10 28	4 3.24	+25 33.7	1.696	2.607	10.8	21.3
11 7	3 53.81	+25 37.0	1.636	2.597	6.7	21.0
11 17	3 42.61	+25 28.8	1.603	2.587	2.7	20.8
11 27	3 30.98	+25 10.2	1.599	2.576	3.9	20.8
12 7	3 20.30	+24 44.8	1.624	2.565	8.2	21.1
12 17	3 11.77	+24 18.0	1.675	2.553	12.3	21.3
12 27	3 6.17	+23 55.2	1.749	2.541	15.9	21.5

169832 2002 QG_{88} 11 19.4 321°.16 0°.5/19.7 18

10 18	4 4.95	+22 0.9	1.652	2.508	14.4	20.2
10 28	3 59.51	+21 49.7	1.577	2.501	10.6	19.9
11 7	3 51.62	+21 29.6	1.526	2.494	6.2	19.7
11 17	3 42.17	+21 1.7	1.500	2.488	1.4	19.4
11 27	3 32.42	+20 29.0	1.503	2.482	3.7	19.5
12 7	3 23.67	+19 56.2	1.533	2.476	8.4	19.8
12 17	3 16.99	+19 28.2	1.588	2.471	12.6	20.0
12 27	3 13.11	+19 9.4	1.665	2.465	16.2	20.2

356672 2011 UL_{86} 11 19.4 74°.09 0°.2/19.5 18

10 18	4 5.36	+21 59.9	1.805	2.656	13.6	21.1
10 28	3 59.37	+21 31.2	1.748	2.669	9.9	20.9
11 7	3 51.31	+20 53.8	1.714	2.683	5.6	20.7
11 17	3 42.08	+20 9.9	1.708	2.696	1.1	20.4
11 27	3 32.82	+19 23.5	1.731	2.710	3.4	20.6
12 7	3 24.66	+18 39.4	1.783	2.723	7.6	20.9
12 17	3 18.45	+18 2.3	1.860	2.737	11.4	21.1
12 27	3 14.73	+17 35.4	1.960	2.750	14.5	21.4

324418 2006 SX_{305} 11 19.4 127°.28 0°.4/19.6 17

10 18	4 11.50	+20 46.4	1.604	2.453	15.1	21.0
10 28	4 4.10	+20 50.6	1.545	2.465	11.0	20.8
11 7	3 54.14	+20 47.4	1.509	2.477	6.4	20.6
11 17	3 42.65	+20 37.4	1.500	2.488	1.4	20.2
11 27	3 31.04	+20 22.7	1.520	2.498	3.8	20.4
12 7	3 20.71	+20 7.4	1.568	2.508	8.5	20.8
12 17	3 12.72	+19 55.6	1.642	2.518	12.7	21.0
12 27	3 7.75	+19 51.0	1.738	2.527	16.1	21.3

452983 2007 FY_{10} 11 19.4 252°.46 0°.0/19.4 17

10 18	4 3.14	+21 30.4	2.356	3.199	11.1	22.0
10 28	3 57.58	+21 4.3	2.269	3.187	8.1	21.8
11 7	3 50.29	+20 30.9	2.208	3.175	4.7	21.5
11 17	3 41.90	+19 51.9	2.175	3.163	0.9	21.2
11 27	3 33.29	+19 10.1	2.173	3.151	2.9	21.4
12 7	3 25.36	+18 29.1	2.200	3.138	6.6	21.6
12 17	3 18.87	+17 52.7	2.255	3.125	9.9	21.8
12 27	3 14.41	+17 24.3	2.334	3.112	12.8	22.0

267167 2000 HQ_{82} 11 19.4 156°.12 0°.2/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 8.52	+19 59.1	1.885	2.731	13.3	21.4
10 28	4 1.67	+19 44.2	1.818	2.738	9.7	21.2
11 7	3 52.67	+19 22.8	1.776	2.744	5.5	21.0
11 17	3 42.36	+18 56.4	1.762	2.749	1.1	20.7
11 27	3 31.93	+18 27.9	1.777	2.754	3.5	20.9
12 7	3 22.51	+18 1.3	1.821	2.759	7.7	21.2
12 17	3 15.04	+17 40.3	1.892	2.763	11.5	21.4
12 27	3 10.12	+17 28.0	1.986	2.766	14.7	21.6

42576 1997 AP_{5} 11 19.4 358°.17 0°.8/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.17	+17 17.3	1.180	2.060	17.2	17.7
10 28	3 59.59	+17 30.1	1.119	2.055	12.6	17.5
11 7	3 51.93	+17 39.7	1.079	2.052	7.2	17.2
11 17	3 42.26	+17 47.1	1.063	2.050	1.5	16.8
11 27	3 32.21	+17 54.5	1.071	2.050	4.7	17.0
12 7	3 23.48	+18 5.1	1.104	2.051	10.3	17.3
12 17	3 17.39	+18 21.8	1.159	2.054	15.3	17.6
12 27	3 14.77	+18 47.1	1.234	2.057	19.4	17.9

10221 Kubrick 11 19.4 288°.80 1°.1/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 8.80	+21 41.5	1.563	2.417	15.2	17.6
10 28	4 2.48	+22 0.4	1.491	2.412	11.2	17.4
11 7	3 53.42	+22 12.1	1.441	2.408	6.6	17.1
11 17	3 42.55	+22 16.0	1.417	2.404	1.8	16.8
11 27	3 31.28	+22 13.2	1.421	2.399	3.9	16.9
12 7	3 21.09	+22 7.0	1.452	2.395	8.8	17.2
12 17	3 13.20	+22 1.7	1.509	2.391	13.2	17.5
12 27	3 8.41	+22 1.6	1.587	2.387	16.9	17.7

452708 2005 YQ_{111} 11 19.4 339°.55 2°.9/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.75	+29 51.4	1.957	2.788	13.5	20.6
10 28	3 58.37	+29 33.0	1.879	2.784	10.3	20.4
11 7	3 50.85	+28 59.7	1.825	2.781	6.7	20.1
11 17	3 42.02	+28 11.9	1.798	2.778	3.4	19.9
11 27	3 33.00	+27 12.3	1.799	2.775	3.8	19.9
12 7	3 24.95	+26 6.4	1.829	2.772	7.2	20.2
12 17	3 18.78	+25 0.6	1.886	2.770	10.8	20.4
12 27	3 15.10	+24 0.9	1.966	2.768	14.0	20.6

476461 2008 EG_{127} 11 19.4 148°.88 1°.9/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 8.27	+16 19.6	1.743	2.597	13.9	22.4
10 28	4 1.54	+15 44.0	1.681	2.605	10.0	22.2
11 7	3 52.60	+15 4.3	1.643	2.612	5.8	21.9
11 17	3 42.36	+14 23.6	1.633	2.619	2.1	21.7
11 27	3 32.02	+13 46.3	1.652	2.625	4.5	21.9
12 7	3 22.79	+13 16.6	1.699	2.630	8.7	22.1
12 17	3 15.58	+12 57.9	1.772	2.635	12.5	22.4
12 27	3 11.00	+12 52.2	1.867	2.640	15.7	22.6

27019 1998 MN_{33} 11 19.4 34°.20 3°.9/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.71	+31 54.1	1.878	2.704	14.2	17.5
10 28	3 59.09	+31 48.6	1.812	2.711	11.0	17.3
11 7	3 51.25	+31 26.9	1.769	2.719	7.4	17.1
11 17	3 42.09	+30 48.5	1.753	2.727	4.4	17.0
11 27	3 32.84	+29 56.2	1.764	2.736	4.5	17.0
12 7	3 24.68	+28 55.1	1.803	2.744	7.5	17.2
12 17	3 18.54	+27 52.0	1.869	2.753	10.9	17.4
12 27	3 15.03	+26 53.3	1.957	2.763	13.9	17.7

477334 2009 TE_{33} 11 19.4 69°.62 3°.8/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 12.39	+28 38.3	1.355	2.198	17.7	21.4
10 28	4 5.06	+28 55.3	1.310	2.222	13.3	21.2
11 7	3 54.75	+28 55.5	1.287	2.245	8.6	21.0
11 17	3 42.77	+28 37.4	1.289	2.269	4.4	20.8
11 27	3 30.88	+28 3.8	1.318	2.293	5.0	20.9
12 7	3 20.73	+27 21.2	1.373	2.317	9.1	21.2
12 17	3 13.46	+26 37.4	1.453	2.340	13.3	21.5
12 27	3 9.65	+25 59.4	1.554	2.364	16.8	21.8

3253 Gradie 11 19.4 101°.44 0°.3/19.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 12.97	+18 52.6	1.501	2.353	15.8	16.8
10 28	4 5.14	+18 58.7	1.452	2.374	11.4	16.6
11 7	3 54.69	+18 59.2	1.425	2.394	6.5	16.4
11 17	3 42.76	+18 54.7	1.426	2.414	1.3	16.1
11 27	3 30.85	+18 47.7	1.455	2.433	4.0	16.3
12 7	3 20.39	+18 41.6	1.513	2.452	8.8	16.6
12 17	3 12.45	+18 40.0	1.595	2.470	13.0	16.9
12 27	3 7.61	+18 45.9	1.700	2.488	16.4	17.2

494318 2016 SD_{46} 11 19.4 85°.08 2°.6/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 9.14	+27 45.7	1.525	2.367	16.1	20.7
10 28	4 2.52	+27 31.9	1.469	2.382	12.0	20.4
11 7	3 53.26	+27 2.4	1.435	2.396	7.5	20.2
11 17	3 42.49	+26 17.9	1.427	2.410	3.2	20.0
11 27	3 31.71	+25 22.3	1.447	2.424	4.1	20.1
12 7	3 22.36	+24 22.3	1.494	2.438	8.4	20.4
12 17	3 15.49	+23 25.2	1.567	2.452	12.6	20.7
12 27	3 11.70	+22 37.2	1.661	2.465	16.1	20.9

12399 Bartolini 11 19.4 107°.12 0°.9/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 8.92	+23 3.5	1.464	2.319	16.0	18.6
10 28	4 2.50	+22 52.5	1.402	2.325	11.7	18.4
11 7	3 53.35	+22 30.5	1.363	2.330	6.9	18.1
11 17	3 42.53	+21 58.6	1.349	2.336	1.8	17.8
11 27	3 31.54	+21 20.3	1.362	2.341	3.9	18.0
12 7	3 21.87	+20 41.3	1.403	2.347	8.9	18.3
12 17	3 14.67	+20 7.5	1.468	2.352	13.4	18.6
12 27	3 10.62	+19 43.7	1.555	2.357	17.1	18.8

43985 1997 HQ_{8} 11 19.4 246°.64 0°.1/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.29	+19 49.6	1.810	2.662	13.5	19.9
10 28	4 0.26	+19 43.1	1.737	2.659	9.8	19.7
11 7	3 51.97	+19 30.6	1.687	2.656	5.6	19.4
11 17	3 42.26	+19 13.1	1.665	2.653	1.1	19.1
11 27	3 32.29	+18 53.3	1.672	2.650	3.5	19.3
12 7	3 23.27	+18 34.7	1.707	2.647	8.0	19.5
12 17	3 16.16	+18 21.1	1.767	2.643	11.9	19.8
12 27	3 11.65	+18 15.5	1.851	2.640	15.3	20.0

317055 2001 SC_{91} 11 19.4 39°.86 2°.1/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.56	+16 13.1	1.805	2.665	13.2	20.5
10 28	3 58.12	+15 28.1	1.741	2.668	9.5	20.3
11 7	3 50.66	+14 39.0	1.701	2.671	5.5	20.0
11 17	3 42.00	+13 49.4	1.689	2.674	2.2	19.8
11 27	3 33.22	+13 4.0	1.705	2.678	4.5	20.0
12 7	3 25.41	+12 27.3	1.749	2.681	8.5	20.2
12 17	3 19.41	+12 2.6	1.819	2.685	12.1	20.5
12 27	3 15.81	+11 51.8	1.910	2.688	15.2	20.7

147474 2004 CG_{19} 11 19.4 179°.37 4°.1/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 7.87	+10 11.7	1.844	2.697	13.3	21.3
10 28	4 1.18	+ 9 30.1	1.778	2.699	9.8	21.0
11 7	3 52.39	+ 8 49.8	1.737	2.700	6.2	20.8
11 17	3 42.34	+ 8 15.0	1.724	2.701	4.1	20.7
11 27	3 32.14	+ 7 49.9	1.739	2.700	5.9	20.8
12 7	3 22.90	+ 7 37.7	1.783	2.700	9.5	21.0
12 17	3 15.52	+ 7 39.9	1.852	2.698	12.9	21.3
12 27	3 10.62	+ 7 56.9	1.943	2.696	15.9	21.5

442818 2013 AJ_{55} 11 19.4 24°.89 5°.2/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 7.30	+ 6 42.8	1.415	2.280	15.8	20.2
10 28	4 1.19	+ 6 41.5	1.362	2.287	11.8	20.0
11 7	3 52.55	+ 6 48.5	1.331	2.294	7.7	19.8
11 17	3 42.38	+ 7 7.0	1.326	2.301	5.2	19.7
11 27	3 32.07	+ 7 39.1	1.347	2.310	7.0	19.8
12 7	3 23.00	+ 8 25.0	1.394	2.319	10.8	20.0
12 17	3 16.21	+ 9 23.4	1.465	2.328	14.7	20.3
12 27	3 12.37	+10 32.3	1.556	2.338	18.0	20.5

213377 2001 UL_{27} 11 19.4 59°.46 0°.5/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.76	+18 49.9	1.786	2.641	13.5	20.1
10 28	3 59.75	+18 44.1	1.726	2.650	9.8	19.9
11 7	3 51.60	+18 33.4	1.690	2.660	5.6	19.7
11 17	3 42.19	+18 19.1	1.682	2.670	1.1	19.4
11 27	3 32.67	+18 3.8	1.702	2.680	3.6	19.6
12 7	3 24.18	+17 50.9	1.750	2.690	7.8	19.9
12 17	3 17.62	+17 43.5	1.825	2.700	11.6	20.2
12 27	3 13.60	+17 44.0	1.921	2.711	14.8	20.4

188343 2003 SQ_{117} 11 19.4 115°.54 5°.0/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 8.78	+39 0.7	2.892	3.658	11.2	20.7
10 28	4 1.45	+39 22.2	2.828	3.679	9.1	20.6
11 7	3 52.39	+39 28.9	2.790	3.700	7.0	20.5
11 17	3 42.33	+39 19.3	2.778	3.720	5.3	20.4
11 27	3 32.23	+38 53.7	2.797	3.740	5.1	20.4
12 7	3 23.01	+38 15.1	2.844	3.760	6.4	20.5
12 17	3 15.40	+37 28.1	2.921	3.778	8.3	20.7
12 27	3 9.93	+36 37.8	3.022	3.796	10.3	20.9

227209 2005 QC_{150} 11 19.4 5°.06 2°.6/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.97	+15 25.3	1.116	2.000	17.7	19.7
10 28	3 59.42	+15 4.5	1.061	2.000	12.9	19.4
11 7	3 51.81	+14 40.8	1.027	2.000	7.5	19.1
11 17	3 42.27	+14 18.0	1.015	2.002	2.7	18.8
11 27	3 32.46	+14 1.1	1.028	2.005	5.8	19.0
12 7	3 24.09	+13 54.7	1.065	2.009	11.2	19.3
12 17	3 18.43	+14 1.8	1.124	2.014	16.1	19.6
12 27	3 16.21	+14 23.6	1.201	2.020	20.1	19.9

369813 2012 HK_{53} 11 19.4 74°.07 1°.4/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.92	+14 44.7	2.241	3.090	11.4	20.3
10 28	3 58.81	+14 50.2	2.175	3.096	8.2	20.1
11 7	3 50.96	+14 55.1	2.135	3.103	4.7	19.9
11 17	3 42.08	+15 0.5	2.124	3.110	1.6	19.7
11 27	3 33.06	+15 7.8	2.142	3.117	3.5	19.9
12 7	3 24.81	+15 18.6	2.190	3.123	6.9	20.1
12 17	3 18.08	+15 34.4	2.266	3.130	10.1	20.3
12 27	3 13.41	+15 56.3	2.365	3.137	12.8	20.5

388228 2006 JM_{54} 11 19.4 189°.69 4°.7/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 6.54	+ 6 4.6	2.150	2.995	11.9	21.5
10 28	4 0.00	+ 5 36.9	2.081	2.994	9.0	21.3
11 7	3 51.66	+ 5 14.2	2.037	2.992	6.2	21.1
11 17	3 42.22	+ 4 59.9	2.022	2.990	4.7	21.0
11 27	3 32.62	+ 4 57.0	2.037	2.988	6.1	21.1
12 7	3 23.81	+ 5 7.2	2.080	2.985	9.0	21.3
12 17	3 16.56	+ 5 30.9	2.149	2.982	11.9	21.5
12 27	3 11.45	+ 6 7.2	2.241	2.977	14.5	21.6

318236 2004 RN_{240} 11 19.4 75°.99 1°.9/18.7 17

10 18	4 10.15	+17 48.5	1.191	2.061	17.8	21.0
10 28	4 3.47	+17 7.4	1.147	2.079	12.8	20.7
11 7	3 53.86	+16 19.9	1.125	2.097	7.3	20.5
11 17	3 42.64	+15 30.2	1.128	2.115	2.2	20.2
11 27	3 31.52	+14 44.8	1.157	2.133	5.3	20.5
12 7	3 22.11	+14 9.8	1.211	2.151	10.6	20.8
12 17	3 15.51	+13 49.4	1.289	2.168	15.2	21.2
12 27	3 12.31	+13 45.6	1.386	2.186	18.9	21.5

437888 2001 SO_{140} 11 19.4 14°.27 5°.7/21.8 18

10 18	4 6.98	+32 1.1	1.480	2.317	16.8	20.0
10 28	4 1.45	+32 49.0	1.419	2.321	13.2	19.8
11 7	3 52.94	+33 19.9	1.378	2.326	9.3	19.5
11 17	3 42.51	+33 30.2	1.362	2.332	6.2	19.4
11 27	3 31.74	+33 19.6	1.372	2.338	6.3	19.4
12 7	3 22.29	+32 52.5	1.407	2.346	9.4	19.6
12 17	3 15.43	+32 16.0	1.466	2.354	13.1	19.9
12 27	3 11.94	+31 38.1	1.547	2.364	16.5	20.1

483352 2016 RA 11 19.4 59°.28 3°.1/18.1 18

10 18	4 8.72	+14 42.9	1.299	2.169	16.7	20.4
10 28	4 2.05	+13 57.0	1.266	2.197	12.0	20.2
11 7	3 52.88	+13 9.5	1.255	2.225	6.9	20.0
11 17	3 42.44	+12 25.2	1.269	2.253	3.2	19.9
11 27	3 32.24	+11 49.8	1.310	2.282	5.7	20.1
12 7	3 23.64	+11 27.5	1.377	2.310	10.2	20.5
12 17	3 17.57	+11 20.4	1.468	2.338	14.2	20.8
12 27	3 14.51	+11 28.9	1.579	2.367	17.5	21.1

15391 Steliomancinelli 11 19.4 29°.95 2°.5/18.3 18

10 18	4 4.36	+17 14.1	1.211	2.089	17.0	17.7
10 28	3 59.35	+16 18.4	1.162	2.098	12.3	17.5
11 7	3 51.58	+15 16.3	1.136	2.108	7.0	17.2
11 17	3 42.22	+14 13.5	1.133	2.119	2.6	17.0
11 27	3 32.84	+13 17.1	1.156	2.131	5.6	17.2
12 7	3 24.92	+12 33.9	1.205	2.144	10.6	17.5
12 17	3 19.54	+12 8.1	1.275	2.157	15.2	17.8
12 27	3 17.31	+12 1.1	1.365	2.170	18.9	18.1

284522 2007 RT_{97} 11 19.4 44°.27 0°.3/19.6 15

10 18	4 10.18	+20 41.7	1.242	2.107	17.6	20.5
10 28	4 3.24	+20 43.9	1.213	2.141	12.6	20.3
11 7	3 53.59	+20 37.7	1.206	2.176	7.2	20.1
11 17	3 42.58	+20 24.4	1.223	2.211	1.5	19.9
11 27	3 31.87	+20 7.5	1.268	2.247	4.1	20.1
12 7	3 22.94	+19 51.6	1.338	2.283	9.2	20.5
12 17	3 16.76	+19 41.3	1.432	2.319	13.4	20.9
12 27	3 13.80	+19 39.6	1.547	2.355	16.9	21.2

140249 2001 SL_{253} 11 19.4 73°.76 0°.4/19.3 18

10 18	4 5.88	+19 5.0	1.870	2.722	13.1	19.8
10 28	3 59.78	+18 59.3	1.809	2.732	9.5	19.6
11 7	3 51.61	+18 48.5	1.773	2.742	5.4	19.4
11 17	3 42.23	+18 34.1	1.764	2.752	1.1	19.1
11 27	3 32.74	+18 18.4	1.784	2.762	3.4	19.3
12 7	3 24.24	+18 4.7	1.832	2.772	7.6	19.6
12 17	3 17.61	+17 56.0	1.907	2.782	11.3	19.8
12 27	3 13.42	+17 54.9	2.005	2.792	14.3	20.0

442262 2011 QR_{19} 11 19.4 63°.69 8°.0/24.3 18

10 18	4 10.42	+41 26.2	1.729	2.515	16.9	21.4
10 28	4 3.81	+41 52.7	1.662	2.521	14.0	21.2
11 7	3 54.21	+41 54.8	1.615	2.526	11.0	21.0
11 17	3 42.76	+41 28.4	1.591	2.532	8.7	20.9
11 27	3 31.12	+40 33.9	1.593	2.538	8.1	20.9
12 7	3 20.94	+39 17.1	1.622	2.544	9.8	21.0
12 17	3 13.44	+37 47.5	1.676	2.550	12.5	21.2
12 27	3 9.34	+36 15.7	1.752	2.556	15.4	21.4

324774 2007 GX_{46} 11 19.4 315°.10 2°.9/17.5 18

10 18	4 1.46	+14 10.6	2.042	2.901	11.9	20.3
10 28	3 56.48	+13 10.5	1.969	2.895	8.6	20.1
11 7	3 49.71	+12 7.3	1.921	2.889	5.2	19.9
11 17	3 41.86	+11 5.2	1.901	2.883	2.9	19.7
11 27	3 33.85	+10 9.2	1.911	2.877	4.8	19.8
12 7	3 26.62	+ 9 23.8	1.948	2.872	8.3	20.0
12 17	3 20.93	+ 8 52.1	2.012	2.866	11.7	20.2
12 27	3 17.35	+ 8 35.7	2.097	2.861	14.5	20.4

156103 2001 SL_{238} 11 19.4 358°.86 2°.2/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.15	+15 43.6	1.078	1.965	17.9	18.8
10 28	3 59.00	+15 34.6	1.021	1.961	13.1	18.5
11 7	3 51.67	+15 23.0	0.984	1.958	7.6	18.2
11 17	3 42.29	+15 11.7	0.970	1.957	2.4	17.9
11 27	3 32.56	+15 5.0	0.979	1.957	5.6	18.1
12 7	3 24.24	+15 7.1	1.012	1.958	11.2	18.4
12 17	3 18.68	+15 20.8	1.067	1.961	16.3	18.7
12 27	3 16.69	+15 47.6	1.139	1.966	20.5	19.0

435160 2007 MX_{7} 11 19.4 77°.62 6°.5/15.7 17

10 18	4 5.97	+ 7 7.6	1.604	2.465	14.5	20.7
10 28	3 59.70	+ 5 24.3	1.568	2.489	10.9	20.5
11 7	3 51.45	+ 3 46.5	1.557	2.513	7.7	20.4
11 17	3 42.17	+ 2 22.1	1.573	2.536	6.5	20.4
11 27	3 33.06	+ 1 18.0	1.617	2.559	8.3	20.6
12 7	3 25.18	+ 0 37.8	1.687	2.582	11.3	20.8
12 17	3 19.33	+ 0 21.9	1.780	2.604	14.3	21.0
12 27	3 15.95	+ 0 28.4	1.893	2.627	16.9	21.3

212086 2005 ED_{115} 11 19.4 28°.49 2°.0/18.5 18

10 18	4 4.58	+16 31.3	1.495	2.363	15.0	20.6
10 28	3 59.20	+16 0.6	1.438	2.369	10.8	20.3
11 7	3 51.42	+15 25.8	1.404	2.375	6.2	20.1
11 17	3 42.21	+14 50.2	1.396	2.382	2.1	19.9
11 27	3 32.88	+14 18.5	1.414	2.389	4.7	20.0
12 7	3 24.72	+13 55.1	1.459	2.397	9.3	20.3
12 17	3 18.73	+13 43.3	1.529	2.405	13.4	20.6
12 27	3 15.53	+13 44.9	1.619	2.414	16.9	20.9

171128 2005 GA_{28} 11 19.4 243°.15 0°.2/19.5 18

10 18	4 5.85	+21 44.7	2.144	2.986	12.1	21.1
10 28	3 59.77	+21 23.6	2.055	2.972	8.9	20.8
11 7	3 51.67	+20 54.6	1.990	2.957	5.1	20.6
11 17	3 42.28	+20 18.8	1.955	2.942	1.1	20.3
11 27	3 32.58	+19 39.2	1.949	2.927	3.1	20.4
12 7	3 23.62	+18 59.7	1.972	2.911	7.2	20.6
12 17	3 16.29	+18 24.5	2.023	2.894	10.9	20.8
12 27	3 11.26	+17 57.5	2.098	2.877	14.0	21.0

109533 2001 QX_{249} 11 19.4 80°.29 3°.3/20.7 18

10 18	4 12.56	+26 48.0	1.499	2.339	16.4	19.3
10 28	4 5.12	+27 21.4	1.447	2.358	12.3	19.1
11 7	3 54.85	+27 41.7	1.418	2.377	7.8	18.9
11 17	3 42.89	+27 46.9	1.414	2.395	3.8	18.7
11 27	3 30.84	+27 38.0	1.439	2.414	4.6	18.8
12 7	3 20.29	+27 19.2	1.490	2.432	8.7	19.1
12 17	3 12.37	+26 56.8	1.568	2.450	12.7	19.4
12 27	3 7.75	+26 37.0	1.666	2.468	16.1	19.6

189585 2000 VW_{54} 11 19.4 23°.48 3°.1/20.7 18

10 18	4 5.57	+26 58.4	1.200	2.064	18.2	18.5
10 28	4 0.55	+27 5.4	1.149	2.073	13.6	18.3
11 7	3 52.43	+26 56.2	1.119	2.083	8.5	18.0
11 17	3 42.43	+26 30.3	1.111	2.095	3.8	17.8
11 27	3 32.31	+25 51.4	1.129	2.108	4.8	17.9
12 7	3 23.77	+25 6.2	1.172	2.121	9.6	18.2
12 17	3 18.06	+24 22.7	1.237	2.136	14.2	18.5
12 27	3 15.82	+23 47.4	1.323	2.151	18.1	18.8

378039 2006 SP_{405} 11 19.4 87°.25 1°.2/19.9 13 C

10 18	4 12.72	+23 58.1	1.444	2.292	16.5	21.7
10 28	4 4.99	+23 46.0	1.401	2.319	12.1	21.5
11 7	3 54.61	+23 22.0	1.380	2.346	7.1	21.3
11 17	3 42.83	+22 47.2	1.385	2.372	2.0	21.0
11 27	3 31.22	+22 5.8	1.419	2.398	3.9	21.2
12 7	3 21.24	+21 23.8	1.480	2.423	8.7	21.6
12 17	3 13.90	+20 47.1	1.566	2.447	12.9	21.9
12 27	3 9.74	+20 20.3	1.675	2.471	16.3	22.2

129779 1999 JV_{38} 11 19.4 93°.68 2°.1/20.3 18

10 18	4 13.08	+24 56.1	1.441	2.287	16.7	19.7
10 28	4 5.43	+25 4.0	1.393	2.309	12.3	19.5
11 7	3 54.97	+24 59.4	1.366	2.330	7.4	19.3
11 17	3 42.92	+24 42.1	1.365	2.350	2.7	19.0
11 27	3 30.91	+24 14.6	1.393	2.371	4.1	19.2
12 7	3 20.48	+23 42.6	1.447	2.390	8.8	19.5
12 17	3 12.74	+23 12.1	1.527	2.410	13.0	19.8
12 27	3 8.30	+22 48.6	1.629	2.429	16.5	20.1

489284 2006 SW_{185} 11 19.4 87°.02 3°.8/21.2 15

10 18	4 10.71	+29 20.8	1.945	2.766	14.0	21.8
10 28	4 3.39	+29 59.4	1.886	2.784	10.6	21.6
11 7	3 53.74	+30 25.6	1.852	2.802	7.1	21.4
11 17	3 42.69	+30 37.1	1.845	2.820	4.2	21.3
11 27	3 31.50	+30 34.3	1.867	2.837	4.5	21.3
12 7	3 21.44	+30 20.3	1.919	2.855	7.5	21.5
12 17	3 13.48	+30 0.1	1.996	2.872	10.8	21.8
12 27	3 8.27	+29 39.2	2.098	2.889	13.6	22.0

9659 1996 *EJ* 11 19.4 241°.77 7°.1/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.78	+ 1 22.6	1.962	2.810	12.8	16.8
10 28	3 58.19	+ 0 16.9	1.897	2.803	10.1	16.6
11 7	3 50.72	− 0 40.9	1.855	2.796	7.9	16.4
11 17	3 42.10	− 1 24.8	1.841	2.788	7.2	16.4
11 27	3 33.29	− 1 49.9	1.854	2.780	8.6	16.4
12 7	3 25.27	− 1 53.7	1.893	2.772	11.1	16.6
12 17	3 18.87	− 1 36.3	1.956	2.764	13.9	16.8
12 27	3 14.66	− 0 59.4	2.038	2.756	16.3	16.9

227639 2006 BS_{95} 11 19.4 206°.83 0°.9/18.9 17

10 18	4 2.62	+17 57.9	2.463	3.310	10.6	21.1
10 28	3 57.09	+17 34.3	2.387	3.308	7.6	20.9
11 7	3 50.00	+17 6.6	2.337	3.305	4.3	20.7
11 17	3 41.95	+16 36.8	2.315	3.302	1.1	20.5
11 27	3 33.75	+16 7.4	2.324	3.299	3.1	20.6
12 7	3 26.22	+15 41.5	2.362	3.296	6.4	20.8
12 17	3 20.04	+15 21.6	2.429	3.293	9.5	21.0
12 27	3 15.73	+15 10.0	2.519	3.290	12.2	21.2

298022 2002 PF_{78} 11 19.4 141°.39 4°.9/22.5 18

10 18	4 11.02	+35 47.6	2.362	3.150	12.8	21.0
10 28	4 3.41	+36 10.2	2.293	3.163	10.2	20.9
11 7	3 53.68	+36 17.2	2.248	3.175	7.5	20.7
11 17	3 42.68	+36 6.6	2.230	3.187	5.3	20.6
11 27	3 31.55	+35 39.0	2.242	3.198	5.2	20.6
12 7	3 21.43	+34 57.8	2.283	3.209	7.1	20.7
12 17	3 13.22	+34 8.6	2.352	3.218	9.7	20.9
12 27	3 7.53	+33 17.7	2.446	3.227	12.2	21.1

86590 2000 EQ_{62} 11 19.4 187°.47 1°.1/18.9 18

10 18	4 8.04	+17 56.5	1.881	2.730	13.2	20.6
10 28	4 1.42	+17 32.9	1.808	2.730	9.6	20.4
11 7	3 52.62	+17 4.0	1.760	2.729	5.5	20.2
11 17	3 42.49	+16 32.1	1.740	2.728	1.4	19.9
11 27	3 32.15	+16 0.6	1.750	2.726	3.9	20.1
12 7	3 22.76	+15 33.5	1.788	2.723	8.1	20.3
12 17	3 15.27	+15 14.3	1.853	2.720	11.9	20.5
12 27	3 10.31	+15 5.6	1.941	2.716	15.1	20.7

409126 2003 UP_{21} 11 19.4 59°.00 6°.5/24.4 18

10 18	4 8.71	+41 8.0	2.052	2.829	14.9	20.0
10 28	4 1.90	+41 12.3	1.998	2.853	12.2	19.9
11 7	3 52.82	+40 54.9	1.966	2.878	9.4	19.8
11 17	3 42.51	+40 14.3	1.959	2.902	7.2	19.7
11 27	3 32.30	+39 12.2	1.980	2.927	6.6	19.7
12 7	3 23.44	+37 54.6	2.028	2.951	8.1	19.9
12 17	3 16.82	+36 29.1	2.103	2.976	10.5	20.0
12 27	3 12.95	+35 3.8	2.203	3.000	12.9	20.3

383593 2007 GV_{61} 11 19.4 170°.72 1°.5/18.6 18

10 18	4 7.51	+16 44.3	2.015	2.863	12.5	22.1
10 28	4 0.86	+16 17.2	1.945	2.866	9.1	21.9
11 7	3 52.23	+15 46.2	1.901	2.870	5.2	21.7
11 17	3 42.42	+15 13.6	1.886	2.872	1.7	21.5
11 27	3 32.47	+14 42.9	1.900	2.874	3.9	21.6
12 7	3 23.43	+14 17.6	1.944	2.875	7.8	21.9
12 17	3 16.15	+14 0.7	2.014	2.876	11.3	22.1
12 27	3 11.21	+13 54.4	2.108	2.876	14.3	22.3

158269 2001 TR_{208} 11 19.4 7°.56 2°.5/20.3 18

10 18	4 7.79	+24 23.1	1.311	2.171	17.1	20.2
10 28	4 2.16	+24 48.5	1.248	2.172	12.8	19.9
11 7	3 53.44	+25 3.0	1.207	2.173	7.8	19.6
11 17	3 42.70	+25 4.8	1.189	2.174	3.1	19.4
11 27	3 31.60	+24 55.4	1.198	2.176	4.5	19.5
12 7	3 21.85	+24 39.1	1.232	2.179	9.5	19.8
12 17	3 14.79	+24 21.8	1.290	2.183	14.2	20.1
12 27	3 11.22	+24 9.3	1.368	2.187	18.1	20.3

392754 2012 TQ_{15} 11 19.4 75°.45 13°.3/20.9 16

10 18	4 30.17	+36 14.7	1.011	1.831	24.0	20.3
10 28	4 20.95	+39 36.3	0.961	1.842	19.9	20.0
11 7	4 5.57	+42 37.6	0.931	1.853	16.0	19.9
11 17	3 45.31	+44 56.9	0.924	1.863	13.5	19.8
11 27	3 23.39	+46 19.1	0.941	1.874	13.9	19.8
12 7	3 3.79	+46 45.6	0.981	1.885	16.5	20.0
12 17	2 49.57	+46 31.9	1.041	1.896	19.9	20.3
12 27	2 42.09	+45 58.4	1.117	1.907	23.1	20.5

2721 Vsekhsvyatskij 11 19.4 34°.76 0°.6/19.2 18

10 18	4 3.04	+18 50.6	1.938	2.793	12.6	16.6
10 28	3 57.67	+18 37.9	1.880	2.804	9.1	16.4
11 7	3 50.42	+18 20.4	1.846	2.816	5.1	16.2
11 17	3 42.07	+17 59.8	1.840	2.828	1.1	15.9
11 27	3 33.64	+17 39.1	1.863	2.840	3.3	16.1
12 7	3 26.13	+17 21.4	1.914	2.853	7.3	16.4
12 17	3 20.35	+17 9.6	1.991	2.866	10.8	16.7
12 27	3 16.82	+17 5.9	2.091	2.880	13.7	16.9

374658 2006 KM_{18} 11 19.4 115°.34 3°.3/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 1.10	+ 7 56.4	3.074	3.916	8.8	22.6
10 28	3 55.58	+ 7 12.7	3.023	3.936	6.5	22.5
11 7	3 48.97	+ 6 31.5	3.000	3.956	4.3	22.4
11 17	3 41.77	+ 5 55.6	3.007	3.975	3.3	22.3
11 27	3 34.57	+ 5 27.4	3.044	3.994	4.4	22.4
12 7	3 27.97	+ 5 8.9	3.111	4.012	6.5	22.6
12 17	3 22.44	+ 5 0.9	3.206	4.030	8.6	22.7
12 27	3 18.34	+ 5 3.4	3.324	4.047	10.4	22.9

512724 2016 US_{18} 11 19.4 139°.79 2°.4/20.8 18

10 18	4 9.73	+28 9.0	1.868	2.697	14.2	21.8
10 28	4 2.68	+27 54.3	1.802	2.708	10.6	21.6
11 7	3 53.33	+27 25.7	1.760	2.718	6.7	21.4
11 17	3 42.65	+26 43.5	1.745	2.727	3.0	21.2
11 27	3 31.91	+25 50.7	1.760	2.736	3.7	21.3
12 7	3 22.33	+24 52.9	1.804	2.745	7.5	21.5
12 17	3 14.88	+23 56.3	1.874	2.753	11.2	21.8
12 27	3 10.15	+23 6.7	1.969	2.760	14.4	22.0

273306 2006 SZ_{186} 11 19.4 49°.71 1°.3/19.9 18

10 18	4 9.61	+22 29.2	1.229	2.093	17.8	20.2
10 28	4 3.36	+22 39.8	1.178	2.105	13.0	19.9
11 7	3 54.01	+22 40.2	1.149	2.118	7.7	19.7
11 17	3 42.81	+22 30.1	1.144	2.131	2.2	19.4
11 27	3 31.49	+22 12.3	1.165	2.145	4.3	19.6
12 7	3 21.78	+21 52.1	1.212	2.158	9.7	19.9
12 17	3 14.91	+21 35.2	1.282	2.173	14.4	20.2
12 27	3 11.56	+21 26.3	1.372	2.187	18.3	20.5

113297 2002 RL_{178} 11 19.4 133°.49 0°.9/19.9 18

10 18	4 6.48	+23 21.6	1.877	2.722	13.4	20.2
10 28	4 0.34	+23 10.4	1.808	2.726	9.9	20.0
11 7	3 52.04	+22 50.0	1.763	2.729	5.8	19.8
11 17	3 42.41	+22 21.1	1.746	2.733	1.6	19.5
11 27	3 32.63	+21 46.8	1.757	2.736	3.3	19.6
12 7	3 23.84	+21 11.2	1.797	2.739	7.5	19.9
12 17	3 16.96	+20 38.9	1.864	2.742	11.3	20.1
12 27	3 12.63	+20 14.1	1.954	2.745	14.5	20.4

227166 2005 QD_{36} 11 19.4 76°.83 1°.7/18.7 18

10 18	4 9.31	+17 6.3	1.432	2.294	15.9	20.6
10 28	4 2.52	+16 36.2	1.388	2.315	11.4	20.4
11 7	3 53.25	+16 1.6	1.367	2.337	6.5	20.2
11 17	3 42.63	+15 25.8	1.372	2.358	2.0	20.0
11 27	3 32.11	+14 53.3	1.404	2.380	4.7	20.2
12 7	3 23.04	+14 28.8	1.464	2.401	9.3	20.5
12 17	3 16.38	+14 15.7	1.548	2.422	13.4	20.8
12 27	3 12.68	+14 15.5	1.653	2.442	16.8	21.1

305295 2008 AH_{9} 11 19.4 356°.74 1°.6/18.7 17

10 18	4 3.07	+17 24.6	1.464	2.334	15.1	21.1
10 28	3 58.30	+16 56.6	1.399	2.331	10.9	20.9
11 7	3 51.04	+16 23.1	1.357	2.329	6.3	20.6
11 17	3 42.23	+15 47.6	1.340	2.327	1.8	20.3
11 27	3 33.18	+15 14.4	1.350	2.326	4.6	20.5
12 7	3 25.23	+14 48.6	1.386	2.327	9.4	20.8
12 17	3 19.44	+14 33.8	1.446	2.327	13.7	21.0
12 27	3 16.50	+14 32.6	1.526	2.329	17.3	21.3

15552 Sandashounkan 11 19.4 323°.89 6°.4/21.7 18 A

10 18	4 8.54	+34 20.9	1.891	2.702	14.7	17.0
10 28	4 2.56	+35 31.6	1.802	2.685	11.9	16.7
11 7	3 53.73	+36 29.3	1.735	2.667	9.0	16.5
11 17	3 42.83	+37 8.8	1.694	2.650	6.8	16.4
11 27	3 31.17	+37 27.3	1.680	2.634	6.9	16.3
12 7	3 20.28	+37 25.9	1.693	2.618	9.2	16.4
12 17	3 11.51	+37 9.6	1.731	2.603	12.4	16.6
12 27	3 5.86	+36 45.5	1.792	2.588	15.4	16.8

517517 2014 QO_{452} 11 19.4 148°.50 1°.4/20.3 18

10 18	4 5.27	+24 38.8	2.360	3.193	11.4	22.1
10 28	3 59.13	+24 38.8	2.287	3.197	8.5	21.9
11 7	3 51.22	+24 30.6	2.240	3.202	5.1	21.7
11 17	3 42.25	+24 14.6	2.221	3.206	1.9	21.5
11 27	3 33.13	+23 52.3	2.233	3.210	2.9	21.6
12 7	3 24.79	+23 26.9	2.274	3.214	6.2	21.8
12 17	3 17.99	+23 1.9	2.343	3.218	9.4	22.0
12 27	3 13.30	+22 40.8	2.437	3.221	12.1	22.2

58257 1993 RN_{9} 11 19.4 23°.05 1°.4/20.0 18

10 18	4 4.95	+23 33.6	1.093	1.970	18.6	17.6
10 28	4 0.20	+23 28.1	1.047	1.980	13.7	17.4
11 7	3 52.28	+23 9.2	1.020	1.991	8.1	17.1
11 17	3 42.47	+22 38.4	1.016	2.003	2.3	16.8
11 27	3 32.58	+22 0.3	1.037	2.017	4.5	17.0
12 7	3 24.35	+21 21.9	1.082	2.032	10.0	17.4
12 17	3 19.01	+20 49.9	1.149	2.048	15.0	17.7
12 27	3 17.20	+20 29.4	1.235	2.065	19.0	18.0

362435 2010 RS_{51} 11 19.5 165°.38 5°.9/22.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 11.23	+36 58.7	2.301	3.085	13.2	21.3
10 28	4 3.89	+37 48.8	2.224	3.088	10.7	21.2
11 7	3 54.16	+38 23.7	2.172	3.091	8.2	21.0
11 17	3 42.87	+38 39.8	2.146	3.094	6.2	20.9
11 27	3 31.22	+38 36.2	2.148	3.096	6.1	20.9
12 7	3 20.47	+38 15.2	2.179	3.097	7.9	21.0
12 17	3 11.68	+37 41.9	2.238	3.099	10.4	21.2
12 27	3 5.57	+37 3.1	2.320	3.100	12.8	21.3

170036 2002 VA_{31} 11 19.5 14°.70 0°.3/19.3 18

10 18	4 4.57	+19 28.2	1.449	2.316	15.4	19.2
10 28	3 59.40	+19 22.8	1.390	2.319	11.2	18.9
11 7	3 51.67	+19 11.1	1.353	2.324	6.4	18.7
11 17	3 42.37	+18 54.6	1.341	2.329	1.3	18.4
11 27	3 32.88	+18 36.5	1.356	2.335	4.0	18.6
12 7	3 24.57	+18 21.0	1.397	2.342	8.9	18.9
12 17	3 18.53	+18 11.9	1.463	2.349	13.3	19.2
12 27	3 15.42	+18 12.3	1.550	2.357	16.9	19.4

427884 2005 ST_{191} 11 19.5 107°.23 2°.2/18.3 16

10 18	4 8.86	+16 12.9	1.720	2.574	14.0	22.0
10 28	4 1.87	+15 27.0	1.671	2.594	10.1	21.8
11 7	3 52.78	+14 37.3	1.646	2.615	5.8	21.6
11 17	3 42.56	+13 47.6	1.649	2.634	2.3	21.4
11 27	3 32.41	+13 2.7	1.681	2.653	4.6	21.6
12 7	3 23.48	+12 27.1	1.742	2.672	8.6	21.9
12 17	3 16.62	+12 3.9	1.828	2.690	12.3	22.2
12 27	3 12.35	+11 54.6	1.937	2.707	15.3	22.4

278607 2008 PS_{11} 11 19.5 35°.33 8°.4/25.1 17

10 18	4 8.33	+43 25.6	1.853	2.627	16.3	20.2
10 28	4 2.14	+43 58.5	1.796	2.643	13.7	20.1
11 7	3 53.22	+44 7.3	1.760	2.659	11.1	19.9
11 17	3 42.67	+43 48.4	1.746	2.675	9.0	19.9
11 27	3 32.04	+43 2.2	1.758	2.692	8.4	19.9
12 7	3 22.82	+41 54.2	1.796	2.710	9.6	20.0
12 17	3 16.13	+40 32.7	1.860	2.728	11.8	20.1
12 27	3 12.58	+39 7.2	1.946	2.746	14.2	20.3

493933 2015 XS_{381} 11 19.5 330°.91 9°.2/13.8 17

10 18	4 1.13	− 3 47.9	1.875	2.719	13.5	21.4
10 28	3 56.37	− 5 6.4	1.817	2.710	11.2	21.3
11 7	3 49.75	− 6 12.2	1.782	2.702	9.6	21.1
11 17	3 41.99	− 6 58.4	1.771	2.695	9.3	21.1
11 27	3 34.05	− 7 19.8	1.787	2.687	10.6	21.2
12 7	3 26.90	− 7 14.3	1.826	2.680	12.7	21.3
12 17	3 21.37	− 6 43.1	1.887	2.674	15.1	21.5
12 27	3 18.01	− 5 49.5	1.967	2.668	17.3	21.6

521391 2015 MB_{143} 11 19.5 118°.69 7°.0/23.3 18

10 18	4 12.31	+39 9.3	1.971	2.754	15.2	21.7
10 28	4 4.92	+39 53.2	1.904	2.764	12.4	21.5
11 7	3 54.82	+40 17.4	1.859	2.774	9.6	21.4
11 17	3 43.02	+40 18.1	1.840	2.783	7.5	21.3
11 27	3 30.96	+39 54.6	1.848	2.792	7.2	21.3
12 7	3 20.13	+39 11.1	1.883	2.801	8.9	21.4
12 17	3 11.68	+38 14.5	1.944	2.810	11.5	21.6
12 27	3 6.35	+37 13.5	2.029	2.818	14.1	21.8

131258 2001 FD_{30} 11 19.5 149°.15 3°.2/21.8 18

10 18	4 8.47	+32 17.9	2.541	3.342	11.7	20.9
10 28	4 1.32	+32 5.3	2.469	3.354	9.0	20.7
11 7	3 52.41	+31 39.3	2.422	3.365	6.1	20.5
11 17	3 42.51	+30 59.5	2.403	3.376	3.6	20.4
11 27	3 32.57	+30 8.1	2.416	3.386	3.7	20.4
12 7	3 23.54	+29 9.1	2.459	3.394	6.1	20.6
12 17	3 16.18	+28 7.8	2.531	3.403	8.9	20.8
12 27	3 10.99	+27 9.3	2.629	3.410	11.4	21.0

402683 2006 UF_{346} 11 19.5 315°.64 0°.9/19.9 17

10 18	4 3.13	+24 43.1	1.664	2.517	14.4	20.4
10 28	3 58.35	+24 4.8	1.577	2.499	10.7	20.2
11 7	3 51.13	+23 12.4	1.514	2.481	6.4	19.9
11 17	3 42.30	+22 7.9	1.477	2.464	1.7	19.5
11 27	3 33.10	+20 55.7	1.468	2.447	3.6	19.6
12 7	3 24.84	+19 43.0	1.486	2.430	8.4	19.9
12 17	3 18.60	+18 36.7	1.529	2.414	12.8	20.1
12 27	3 15.14	+17 42.9	1.594	2.399	16.6	20.3

232047 2001 UU_{8} 11 19.5 13°.27 1°.7/20.1 18

10 18	4 5.20	+23 9.5	1.110	1.985	18.4	19.9
10 28	4 0.52	+23 22.3	1.057	1.989	13.6	19.6
11 7	3 52.59	+23 23.6	1.024	1.994	8.1	19.3
11 17	3 42.59	+23 13.0	1.013	2.000	2.6	19.0
11 27	3 32.35	+22 53.5	1.028	2.008	4.6	19.2
12 7	3 23.66	+22 30.8	1.066	2.016	10.1	19.5
12 17	3 17.87	+22 11.2	1.126	2.026	15.1	19.8
12 27	3 15.73	+22 0.1	1.206	2.037	19.3	20.1

70397 1999 RH_{239} 11 19.5 290°.97 5°.6/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 4.87	+ 6 58.7	1.670	2.531	14.0	18.5
10 28	3 59.43	+ 6 13.6	1.594	2.515	10.6	18.3
11 7	3 51.68	+ 5 32.7	1.541	2.500	7.3	18.1
11 17	3 42.42	+ 5 1.1	1.514	2.484	5.6	17.9
11 27	3 32.78	+ 4 44.0	1.514	2.468	7.5	18.0
12 7	3 24.00	+ 4 44.7	1.540	2.452	11.0	18.2
12 17	3 17.09	+ 5 4.2	1.591	2.437	14.7	18.4
12 27	3 12.80	+ 5 41.5	1.661	2.422	17.9	18.6

99870 2002 PZ_{47} 11 19.5 79°.19 1°.2/18.6 18

10 18	4 2.03	+18 8.7	2.297	3.147	11.1	19.3
10 28	3 56.70	+17 23.6	2.233	3.156	8.0	19.1
11 7	3 49.79	+16 33.7	2.195	3.164	4.5	18.9
11 17	3 42.00	+15 41.8	2.185	3.172	1.4	18.7
11 27	3 34.15	+14 51.9	2.206	3.181	3.4	18.9
12 7	3 27.09	+14 7.7	2.256	3.189	6.8	19.1
12 17	3 21.47	+13 32.3	2.334	3.197	9.9	19.3
12 27	3 17.77	+13 8.0	2.434	3.205	12.5	19.5

173041 2006 QD_{96} 11 19.5 60°.61 2°.2/18.7 18

10 18	4 7.65	+13 34.3	1.684	2.542	14.1	20.1
10 28	4 1.19	+13 36.2	1.630	2.555	10.2	19.9
11 7	3 52.52	+13 38.5	1.600	2.568	5.9	19.6
11 17	3 42.55	+13 42.7	1.597	2.582	2.3	19.4
11 27	3 32.50	+13 51.0	1.622	2.596	4.5	19.6
12 7	3 23.56	+14 5.2	1.676	2.610	8.6	19.9
12 17	3 16.66	+14 26.6	1.755	2.624	12.3	20.2
12 27	3 12.38	+14 56.1	1.856	2.638	15.5	20.4

73709 1992 DV_{7} 11 19.5 252°.06 0°.1/19.4 18

10 18	4 8.26	+20 12.1	1.789	2.637	13.8	20.6
10 28	4 1.95	+20 2.7	1.702	2.622	10.1	20.3
11 7	3 53.17	+19 46.4	1.639	2.607	5.9	20.0
11 17	3 42.73	+19 24.1	1.603	2.591	1.2	19.7
11 27	3 31.84	+18 58.5	1.596	2.574	3.7	19.8
12 7	3 21.81	+18 33.4	1.618	2.557	8.4	20.1
12 17	3 13.74	+18 13.4	1.665	2.540	12.6	20.3
12 27	3 8.43	+18 2.1	1.735	2.522	16.2	20.5

113276 2002 RB_{158} 11 19.5 259°.75 5°.2/22.8 18

10 18	4 6.79	+37 21.4	2.605	3.387	11.9	20.0
10 28	4 0.52	+37 49.0	2.510	3.373	9.7	19.9
11 7	3 52.20	+38 2.5	2.439	3.359	7.4	19.7
11 17	3 42.52	+37 59.3	2.395	3.344	5.6	19.6
11 27	3 32.47	+37 39.1	2.379	3.329	5.4	19.5
12 7	3 23.11	+37 4.1	2.393	3.314	7.1	19.6
12 17	3 15.35	+36 19.1	2.434	3.299	9.5	19.7
12 27	3 9.89	+35 29.6	2.499	3.284	11.9	19.9

45619 2000 DS_{78} 11 19.5 332°.84 1°.5/18.6 17

10 18	4 2.24	+16 36.1	2.093	2.949	11.8	18.7
10 28	3 57.10	+16 9.3	2.020	2.945	8.5	18.5
11 7	3 50.15	+15 39.0	1.971	2.941	4.9	18.2
11 17	3 42.10	+15 7.6	1.951	2.937	1.6	18.0
11 27	3 33.86	+14 38.4	1.959	2.933	3.7	18.1
12 7	3 26.37	+14 14.7	1.996	2.930	7.4	18.4
12 17	3 20.43	+13 59.4	2.059	2.927	10.9	18.6
12 27	3 16.61	+13 54.3	2.145	2.924	13.8	18.8

235233 2003 SZ_{258} 11 19.5 358°.17 3°.8/21.1 17

10 18	4 6.18	+28 33.8	1.870	2.704	13.9	19.3
10 28	4 0.43	+29 15.1	1.797	2.702	10.7	19.1
11 7	3 52.28	+29 45.4	1.747	2.700	7.1	18.9
11 17	3 42.55	+30 2.4	1.723	2.699	4.2	18.7
11 27	3 32.46	+30 5.8	1.727	2.699	4.6	18.7
12 7	3 23.28	+29 58.2	1.760	2.699	7.8	18.9
12 17	3 16.09	+29 44.0	1.818	2.700	11.3	19.2
12 27	3 11.63	+29 28.6	1.899	2.701	14.4	19.4

269999 2000 YG_{6} 11 19.5 35°.56 1°.6/19.1 18

10 18	4 9.86	+14 30.3	1.170	2.044	17.8	18.6
10 28	4 3.41	+14 59.4	1.131	2.063	12.9	18.4
11 7	3 53.98	+15 28.8	1.113	2.084	7.3	18.2
11 17	3 42.86	+15 58.5	1.119	2.106	2.0	17.9
11 27	3 31.76	+16 29.5	1.151	2.129	4.9	18.2
12 7	3 22.33	+17 3.0	1.209	2.153	10.1	18.5
12 17	3 15.70	+17 40.3	1.290	2.177	14.6	18.9
12 27	3 12.50	+18 22.7	1.392	2.202	18.3	19.2

392943 2012 WV_{7} 11 19.5 257°.64 1°.8/20.1 18

10 18	4 10.68	+23 14.5	1.970	2.805	13.3	20.7
10 28	4 3.71	+23 46.8	1.876	2.787	9.9	20.4
11 7	3 54.23	+24 12.9	1.806	2.769	6.1	20.2
11 17	3 42.98	+24 31.0	1.765	2.750	2.3	19.9
11 27	3 31.12	+24 40.9	1.753	2.730	3.6	19.9
12 7	3 19.97	+24 44.3	1.771	2.710	7.8	20.2
12 17	3 10.69	+24 44.8	1.816	2.690	11.7	20.4
12 27	3 4.13	+24 46.6	1.885	2.670	15.2	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
211737 2003 YR_{125}		11 19.5 320°.74 5°.2/21.7 18				
	h m	° ′			°	m
10 18	4 6.96	+31 58.7	1.589	2.421	16.1	20.1
10 28	4 1.53	+32 28.6	1.508	2.409	12.6	19.8
11 7	3 53.15	+32 42.1	1.449	2.397	8.9	19.6
11 17	3 42.77	+32 35.9	1.414	2.386	5.7	19.4
11 27	3 31.85	+32 9.9	1.406	2.375	5.9	19.4
12 7	3 22.00	+31 28.5	1.424	2.364	9.2	19.5
12 17	3 14.57	+30 39.0	1.466	2.354	13.1	19.8
12 27	3 10.43	+29 49.6	1.531	2.345	16.7	20.0
212772 2007 TZ_{92}		11 19.5 343°.37 4°.8/17.2 18				
10 18	4 0.12	+12 37.0	1.249	2.134	16.1	18.9
10 28	3 56.53	+11 30.8	1.182	2.120	11.9	18.6
11 7	3 50.23	+10 21.8	1.137	2.107	7.4	18.3
11 17	3 42.16	+ 9 16.9	1.115	2.096	4.8	18.2
11 27	3 33.74	+ 8 24.3	1.119	2.086	7.3	18.3
12 7	3 26.43	+ 7 50.6	1.146	2.077	12.0	18.5
12 17	3 21.40	+ 7 39.2	1.195	2.070	16.4	18.7
12 27	3 19.45	+ 7 50.5	1.262	2.064	20.3	19.0
515783 2015 KY_{147}		11 19.5 100°.40 1°.1/19.0 18				
10 18	4 9.91	+16 26.8	1.856	2.704	13.4	21.0
10 28	4 2.64	+16 30.7	1.803	2.724	9.7	20.8
11 7	3 53.27	+16 32.0	1.775	2.743	5.5	20.6
11 17	3 42.73	+16 31.9	1.775	2.762	1.4	20.3
11 27	3 32.15	+16 32.2	1.804	2.780	3.7	20.5
12 7	3 22.68	+16 35.2	1.863	2.798	7.8	20.8
12 17	3 15.18	+16 43.2	1.948	2.816	11.4	21.1
12 27	3 10.22	+16 57.8	2.057	2.833	14.4	21.3
112737 2002 PE_{128}		11 19.5 118°.73 1°.1/20.1 18				
10 18	4 7.09	+23 36.5	1.880	2.723	13.5	20.0
10 28	4 0.80	+23 31.8	1.813	2.729	9.9	19.8
11 7	3 52.33	+23 17.8	1.771	2.735	5.9	19.6
11 17	3 42.55	+22 55.3	1.755	2.741	1.8	19.3
11 27	3 32.62	+22 26.7	1.769	2.747	3.3	19.5
12 7	3 23.69	+21 56.0	1.811	2.753	7.4	19.7
12 17	3 16.71	+21 27.7	1.880	2.758	11.2	20.0
12 27	3 12.27	+21 5.9	1.972	2.764	14.3	20.2
420592 2012 HT_{32}		11 19.5 156°.13 3°.5/17.6 18				
10 18	4 3.60	+ 8 23.0	2.360	3.208	10.9	21.1
10 28	3 57.83	+ 8 6.8	2.292	3.210	8.1	20.9
11 7	3 50.48	+ 7 53.9	2.250	3.211	5.2	20.7
11 17	3 42.18	+ 7 46.9	2.237	3.212	3.5	20.6
11 27	3 33.74	+ 7 47.9	2.253	3.213	4.9	20.7
12 7	3 25.98	+ 7 58.6	2.298	3.213	7.7	20.9
12 17	3 19.60	+ 8 19.4	2.370	3.214	10.5	21.1
12 27	3 15.12	+ 8 50.4	2.466	3.215	13.0	21.3
191508 2003 UA_{73}		11 19.5 312°.87 0°.4/19.7 17				
10 18	4 3.28	+21 41.3	2.212	3.057	11.6	20.6
10 28	3 57.85	+21 33.8	2.134	3.053	8.5	20.4
11 7	3 50.60	+21 19.9	2.082	3.048	5.0	20.1
11 17	3 42.22	+21 0.2	2.057	3.044	1.2	19.9
11 27	3 33.62	+20 37.2	2.061	3.040	2.9	20.0
12 7	3 25.76	+20 13.7	2.095	3.036	6.6	20.2
12 17	3 19.43	+19 53.3	2.156	3.032	10.1	20.4
12 27	3 15.23	+19 38.9	2.241	3.028	13.0	20.6
437383 2013 WS_{31}		11 19.5 275°.01 0°.3/19.3 18				
10 18	4 8.18	+19 32.2	1.503	2.362	15.4	21.8
10 28	4 2.25	+19 24.5	1.423	2.349	11.3	21.5
11 7	3 53.50	+19 9.9	1.366	2.335	6.6	21.2
11 17	3 42.85	+18 49.6	1.334	2.322	1.3	20.8
11 27	3 31.69	+18 26.5	1.330	2.308	4.2	21.0
12 7	3 21.56	+18 5.3	1.353	2.295	9.4	21.3
12 17	3 13.72	+17 50.5	1.400	2.281	14.1	21.5
12 27	3 9.02	+17 46.0	1.469	2.268	18.1	21.7
7319 Katterfeld		11 19.5 140°.81 0°.7/19.8 18				
10 18	4 10.83	+22 15.7	1.572	2.421	15.4	17.4
10 28	4 3.82	+22 10.7	1.509	2.429	11.3	17.2
11 7	3 54.19	+21 56.4	1.469	2.436	6.6	17.0
11 17	3 42.95	+21 33.4	1.456	2.443	1.6	16.7
11 27	3 31.54	+21 4.7	1.471	2.449	3.8	16.8
12 7	3 21.39	+20 34.9	1.513	2.455	8.6	17.1
12 17	3 13.61	+20 9.3	1.582	2.461	12.9	17.4
12 27	3 8.88	+19 52.3	1.672	2.466	16.4	17.7
29696 Distasio		11 19.5 202°.47 2°.6/21.0 18				
10 18	4 7.08	+28 23.4	2.426	3.245	11.6	19.0
10 28	4 0.58	+28 34.3	2.343	3.241	8.8	18.8
11 7	3 52.17	+28 34.9	2.284	3.237	5.7	18.6
11 17	3 42.55	+28 24.5	2.254	3.232	3.0	18.4
11 27	3 32.67	+28 4.1	2.254	3.227	3.4	18.4
12 7	3 23.54	+27 36.4	2.284	3.222	6.4	18.6
12 17	3 15.98	+27 5.5	2.342	3.216	9.5	18.8
12 27	3 10.61	+26 36.0	2.425	3.210	12.2	19.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
373317 2012 JP_{9}		11 19.5 236°.17 0°.5/19.1 17				
	h m	° ′			°	m
10 18	4 2.24	+20 15.6	2.397	3.242	10.8	20.8
10 28	3 56.92	+19 36.8	2.319	3.238	7.9	20.6
11 7	3 49.99	+18 51.5	2.266	3.235	4.5	20.4
11 17	3 42.10	+18 2.0	2.243	3.231	0.9	20.1
11 27	3 34.07	+17 11.7	2.250	3.227	3.0	20.3
12 7	3 26.74	+16 24.5	2.287	3.223	6.5	20.5
12 17	3 20.80	+15 44.0	2.351	3.219	9.7	20.7
12 27	3 16.78	+15 13.0	2.439	3.214	12.4	20.9
467131 2016 EC_{77}		11 19.5 341°.32 5°.4/21.3 16				
10 18	4 1.97	+29 59.1	1.401	2.254	16.7	20.5
10 28	3 58.29	+30 46.9	1.315	2.228	13.1	20.2
11 7	3 51.52	+31 21.0	1.249	2.204	9.2	19.9
11 17	3 42.50	+31 37.4	1.207	2.182	5.8	19.7
11 27	3 32.68	+31 34.6	1.190	2.161	6.2	19.6
12 7	3 23.81	+31 15.6	1.197	2.142	9.9	19.8
12 17	3 17.39	+30 46.7	1.227	2.125	14.3	20.0
12 27	3 14.49	+30 15.8	1.277	2.110	18.3	20.2
328370 2008 QY_{17}		11 19.5 41°.71 2°.4/17.9 18				
10 18	4 1.74	+14 52.8	2.112	2.969	11.6	20.5
10 28	3 56.62	+13 59.5	2.048	2.974	8.4	20.3
11 7	3 49.83	+13 3.5	2.010	2.979	4.9	20.1
11 17	3 42.06	+12 8.4	2.000	2.984	2.5	19.9
11 27	3 34.22	+11 18.8	2.020	2.989	4.4	20.1
12 7	3 27.18	+10 38.4	2.068	2.994	7.7	20.3
12 17	3 21.66	+10 10.2	2.142	3.000	10.9	20.5
12 27	3 18.16	+ 9 55.5	2.239	3.005	13.7	20.7
350880 2002 QK_{56}		11 19.5 56°.53 3°.3/17.9 18				
10 18	4 5.41	+12 28.6	1.653	2.516	14.0	20.7
10 28	3 59.62	+11 56.7	1.598	2.525	10.2	20.5
11 7	3 51.66	+11 25.0	1.566	2.534	6.2	20.3
11 17	3 42.44	+10 57.3	1.561	2.543	3.3	20.1
11 27	3 33.13	+10 37.4	1.584	2.552	5.4	20.3
12 7	3 24.89	+10 28.7	1.633	2.562	9.3	20.5
12 17	3 18.63	+10 32.8	1.708	2.571	12.9	20.8
12 27	3 14.94	+10 50.1	1.804	2.581	16.1	21.0
91989 1999 VO_{114}		11 19.5 100°.25 4°.3/22.2 18				
10 18	4 6.60	+33 36.0	2.207	3.015	13.0	19.4
10 28	4 0.37	+33 47.4	2.136	3.021	10.2	19.2
11 7	3 52.07	+33 43.9	2.088	3.028	7.2	19.0
11 17	3 42.53	+33 24.4	2.067	3.034	4.7	18.9
11 27	3 32.82	+32 49.9	2.075	3.040	4.7	18.9
12 7	3 24.06	+32 4.3	2.112	3.047	7.0	19.1
12 17	3 17.13	+31 13.2	2.176	3.053	9.9	19.3
12 27	3 12.64	+30 22.4	2.264	3.059	12.6	19.5
491510 2012 JH_{19}		11 19.5 265°.64 1°.7/18.2 17				
10 18	4 2.54	+17 9.2	2.367	3.216	10.8	21.8
10 28	3 57.21	+16 13.4	2.277	3.199	7.9	21.6
11 7	3 50.21	+15 11.9	2.213	3.182	4.5	21.3
11 17	3 42.16	+14 7.9	2.179	3.164	1.8	21.1
11 27	3 33.88	+13 5.7	2.175	3.146	3.8	21.2
12 7	3 26.24	+12 9.7	2.200	3.128	7.2	21.4
12 17	3 19.96	+11 23.8	2.253	3.110	10.5	21.6
12 27	3 15.62	+10 50.6	2.330	3.091	13.3	21.8
325731 2009 VF_{40}		11 19.5 170°.91 0°.9/19.9 17				
10 18	4 5.32	+22 7.2	2.363	3.201	11.3	20.2
10 28	3 59.23	+22 19.2	2.288	3.202	8.3	20.0
11 7	3 51.37	+22 25.4	2.238	3.202	4.9	19.8
11 17	3 42.39	+22 25.8	2.216	3.203	1.4	19.5
11 27	3 33.20	+22 21.7	2.225	3.203	2.8	19.7
12 7	3 24.73	+22 15.1	2.264	3.204	6.3	19.9
12 17	3 17.75	+22 8.9	2.330	3.204	9.5	20.1
12 27	3 12.85	+22 5.9	2.421	3.204	12.3	20.3
132342 2002 GF_{43}		11 19.5 93°.47 2°.6/20.7 18				
10 18	4 11.67	+27 2.8	1.425	2.269	16.9	19.8
10 28	4 4.56	+26 56.9	1.372	2.286	12.6	19.6
11 7	3 54.61	+26 35.6	1.341	2.303	7.8	19.4
11 17	3 43.03	+25 59.1	1.336	2.320	3.3	19.2
11 27	3 31.45	+25 11.0	1.358	2.336	4.3	19.3
12 7	3 21.44	+24 18.1	1.408	2.352	8.8	19.6
12 17	3 14.12	+23 27.9	1.482	2.368	13.1	19.9
12 27	3 10.10	+22 46.7	1.578	2.383	16.7	20.2
159130 2004 VO_{109}		11 19.5 306°.72 0°.1/19.4 17				
10 18	4 3.43	+20 30.0	2.066	2.915	12.2	20.7
10 28	3 58.08	+20 16.0	1.986	2.908	8.9	20.5
11 7	3 50.80	+19 55.8	1.932	2.900	5.1	20.3
11 17	3 42.28	+19 30.6	1.905	2.893	1.0	20.0
11 27	3 33.52	+19 3.0	1.907	2.886	3.1	20.1
12 7	3 25.53	+18 36.7	1.938	2.878	7.1	20.4
12 17	3 19.16	+18 15.0	1.996	2.871	10.8	20.6
12 27	3 15.03	+18 1.2	2.077	2.865	13.9	20.8

397617 2007 VW_{260} 11 19.5 284.°95 2.°1/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.59	+28 30.7	1.801	2.638	14.3	20.3
10 28	3 59.92	+27 49.7	1.721	2.632	10.7	20.1
11 7	3 51.92	+26 52.2	1.665	2.625	6.7	19.8
11 17	3 42.51	+25 39.5	1.636	2.619	2.8	19.5
11 27	3 32.90	+24 16.2	1.635	2.613	3.6	19.6
12 7	3 24.34	+22 49.4	1.663	2.607	7.7	19.8
12 17	3 17.83	+21 26.8	1.718	2.601	11.8	20.1
12 27	3 13.99	+20 14.9	1.796	2.595	15.2	20.3

41137 1999 VE_{114} 11 19.5 53.°89 2.°4/20.9 18

10 18	4 4.66	+28 24.1	1.988	2.821	13.3	18.7
10 28	3 58.98	+28 7.5	1.921	2.829	10.0	18.5
11 7	3 51.26	+27 37.8	1.879	2.837	6.3	18.3
11 17	3 42.36	+26 55.6	1.864	2.845	2.9	18.1
11 27	3 33.38	+26 3.9	1.877	2.854	3.5	18.2
12 7	3 25.39	+25 7.8	1.920	2.863	7.0	18.4
12 17	3 19.25	+24 12.9	1.989	2.872	10.4	18.6
12 27	3 15.53	+23 24.2	2.082	2.881	13.4	18.9

59498 1999 JG_{8} 11 19.5 253.°86 8.°1/13.3 18

10 18	4 4.46	+ 3 45.3	1.733	2.589	13.8	18.3
10 28	3 58.93	+ 1 27.6	1.668	2.580	10.9	18.1
11 7	3 51.31	− 0 46.8	1.629	2.571	8.6	17.9
11 17	3 42.39	− 2 47.8	1.617	2.561	8.3	17.9
11 27	3 33.27	− 4 25.9	1.634	2.551	10.2	18.0
12 7	3 25.05	− 5 35.0	1.675	2.541	13.1	18.1
12 17	3 18.65	− 6 13.3	1.740	2.531	16.0	18.3
12 27	3 14.68	− 6 22.5	1.822	2.520	18.6	18.5

191492 2003 TH_{57} 11 19.5 6.°26 4.°8/22.6 17

10 18	4 5.02	+34 59.4	2.077	2.885	13.7	19.8
10 28	3 59.40	+35 5.1	2.002	2.886	10.8	19.6
11 7	3 51.60	+34 54.0	1.949	2.886	7.8	19.4
11 17	3 42.45	+34 24.8	1.923	2.887	5.3	19.3
11 27	3 33.11	+33 38.8	1.924	2.888	5.1	19.3
12 7	3 24.74	+32 40.5	1.954	2.890	7.4	19.4
12 17	3 18.29	+31 36.2	2.010	2.891	10.4	19.6
12 27	3 14.39	+30 32.7	2.091	2.893	13.3	19.8

317280 2002 EE_{148} 11 19.5 165.°78 2.°7/21.1 18

10 18	4 6.09	+28 48.5	2.449	3.268	11.5	21.1
10 28	3 59.80	+28 58.8	2.372	3.271	8.7	20.9
11 7	3 51.69	+28 58.8	2.321	3.273	5.7	20.8
11 17	3 42.46	+28 47.8	2.298	3.275	3.1	20.6
11 27	3 33.05	+28 26.8	2.304	3.277	3.4	20.6
12 7	3 24.40	+27 58.8	2.341	3.279	6.2	20.8
12 17	3 17.30	+27 27.6	2.405	3.280	9.2	21.0
12 27	3 12.35	+26 57.8	2.494	3.281	11.8	21.2

214525 2006 KH_{4} 11 19.5 190.°35 0.°8/19.2 18

10 18	4 11.19	+18 5.6	1.569	2.422	15.2	21.4
10 28	4 4.18	+18 0.6	1.499	2.422	11.1	21.2
11 7	3 54.47	+17 50.5	1.452	2.421	6.4	20.9
11 17	3 43.05	+17 36.7	1.431	2.419	1.4	20.6
11 27	3 31.31	+17 21.8	1.440	2.417	4.2	20.8
12 7	3 20.71	+17 9.8	1.476	2.414	9.1	21.1
12 17	3 12.42	+17 4.2	1.537	2.411	13.5	21.3
12 27	3 7.19	+17 8.2	1.620	2.407	17.2	21.6

264883 2002 SB_{39} 11 19.5 56.°49 1.°2/19.1 18

10 18	4 10.72	+17 43.7	1.192	2.062	17.8	19.8
10 28	4 3.89	+17 32.5	1.156	2.087	12.8	19.6
11 7	3 54.18	+17 16.3	1.141	2.113	7.2	19.3
11 17	3 42.94	+16 57.3	1.151	2.139	1.7	19.1
11 27	3 31.87	+16 39.7	1.187	2.165	4.7	19.4
12 7	3 22.56	+16 27.9	1.249	2.191	10.0	19.7
12 17	3 16.06	+16 25.4	1.334	2.217	14.5	20.1
12 27	3 12.91	+16 34.1	1.439	2.244	18.1	20.4

113015 2002 RN_{41} 11 19.5 58.°94 3.°7/17.8 18

10 18	4 5.23	+11 5.4	1.748	2.609	13.5	19.7
10 28	3 59.46	+10 32.5	1.686	2.611	9.9	19.5
11 7	3 51.58	+10 1.0	1.649	2.614	6.2	19.3
11 17	3 42.45	+ 9 34.4	1.638	2.617	3.7	19.1
11 27	3 33.16	+ 9 16.8	1.655	2.620	5.6	19.2
12 7	3 24.84	+ 9 11.0	1.699	2.623	9.3	19.5
12 17	3 18.39	+ 9 18.7	1.769	2.626	12.9	19.7
12 27	3 14.40	+ 9 39.8	1.860	2.630	15.9	19.9

488043 2015 UR_{46} 11 19.5 92.°73 5.°6/16.0 18

10 18	4 2.62	+ 5 23.1	2.042	2.896	12.1	21.4
10 28	3 57.27	+ 4 18.2	1.985	2.900	9.2	21.2
11 7	3 50.21	+ 3 18.4	1.953	2.905	6.6	21.1
11 17	3 42.16	+ 2 28.7	1.948	2.909	5.6	21.0
11 27	3 34.04	+ 1 53.7	1.972	2.913	7.1	21.1
12 7	3 26.73	+ 1 36.1	2.023	2.918	9.7	21.3
12 17	3 20.96	+ 1 36.8	2.098	2.922	12.5	21.5
12 27	3 17.24	+ 1 54.6	2.195	2.926	14.9	21.7

484958 2009 SG_{345} 11 19.5 56.°34 4.°1/21.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 7.56	+31 10.6	2.135	2.952	13.1	21.0
10 28	4 1.19	+31 46.3	2.064	2.956	10.1	20.8
11 7	3 52.63	+32 9.6	2.016	2.961	7.0	20.6
11 17	3 42.68	+32 18.5	1.995	2.965	4.5	20.5
11 27	3 32.45	+32 12.9	2.004	2.970	4.7	20.5
12 7	3 23.12	+31 55.6	2.041	2.975	7.2	20.6
12 17	3 15.64	+31 31.2	2.104	2.980	10.3	20.8
12 27	3 10.68	+31 4.9	2.192	2.985	13.0	21.0

121414 1999 TA_{144} 11 19.5 24.°65 1.°0/20.0 18

10 18	4 3.30	+23 56.2	1.589	2.447	14.8	19.3
10 28	3 58.29	+23 34.2	1.533	2.457	10.8	19.1
11 7	3 50.98	+23 1.0	1.500	2.468	6.4	18.8
11 17	3 42.33	+22 18.6	1.492	2.479	1.8	18.6
11 27	3 33.60	+21 31.1	1.512	2.492	3.5	18.7
12 7	3 26.05	+20 44.1	1.559	2.505	8.0	19.0
12 17	3 20.59	+20 3.0	1.631	2.519	12.0	19.3
12 27	3 17.81	+19 32.0	1.725	2.533	15.4	19.6

104372 2000 FT_{29} 11 19.5 263.°27 1.°3/20.3 18

10 18	4 4.09	+24 20.9	2.433	3.267	11.1	20.1
10 28	3 58.40	+24 24.2	2.347	3.258	8.2	19.9
11 7	3 50.94	+24 20.1	2.286	3.248	5.0	19.7
11 17	3 42.33	+24 8.5	2.253	3.238	1.8	19.4
11 27	3 33.47	+23 50.8	2.250	3.228	2.8	19.5
12 7	3 25.24	+23 29.7	2.277	3.218	6.2	19.7
12 17	3 18.46	+23 8.5	2.332	3.208	9.4	19.9
12 27	3 13.70	+22 50.6	2.411	3.197	12.2	20.1

282410 2003 UX_{14} 11 19.5 72.°78 2.°0/18.3 18

10 18	4 8.10	+18 8.4	1.639	2.495	14.5	20.3
10 28	4 1.29	+16 59.1	1.601	2.526	10.3	20.1
11 7	3 52.43	+15 44.3	1.587	2.556	5.8	19.9
11 17	3 42.58	+14 29.0	1.601	2.587	2.1	19.7
11 27	3 32.96	+13 19.6	1.644	2.617	4.5	20.0
12 7	3 24.69	+12 21.7	1.715	2.646	8.6	20.3
12 17	3 18.55	+11 39.0	1.812	2.675	12.3	20.6
12 27	3 14.97	+11 13.0	1.930	2.704	15.3	20.8

299156 2005 FD_{4} 11 19.5 188.°73 6.°6/15.4 18

10 18	4 4.36	+ 1 4.3	2.171	3.013	12.0	20.7
10 28	3 58.46	+ 0 3.5	2.110	3.012	9.5	20.5
11 7	3 50.89	− 0 49.2	2.073	3.011	7.4	20.4
11 17	3 42.31	− 1 29.0	2.064	3.010	6.7	20.4
11 27	3 33.61	− 1 51.7	2.083	3.008	7.9	20.4
12 7	3 25.67	− 1 55.1	2.130	3.005	10.2	20.6
12 17	3 19.22	− 1 39.3	2.200	3.003	12.7	20.8
12 27	3 14.78	− 1 6.1	2.292	3.000	15.0	20.9

326488 2002 GU_{2} 11 19.5 111.°64 7.°4/14.9 16

10 18	4 9.42	+ 3 42.6	1.761	2.608	14.1	21.5
10 28	4 2.09	+ 1 46.7	1.726	2.634	10.9	21.4
11 7	3 52.86	− 0 1.0	1.717	2.659	8.2	21.3
11 17	3 42.68	− 1 32.2	1.736	2.683	7.5	21.3
11 27	3 32.68	− 2 40.5	1.783	2.707	9.1	21.4
12 7	3 23.90	− 3 22.5	1.857	2.729	11.7	21.6
12 17	3 17.08	− 3 38.6	1.955	2.750	14.4	21.9
12 27	3 12.71	− 3 31.4	2.073	2.771	16.6	22.1

384675 2011 FT_{83} 11 19.5 238.°33 1.°5/18.8 18

10 18	4 7.66	+17 28.6	1.740	2.595	13.9	21.8
10 28	4 1.47	+16 58.6	1.660	2.584	10.1	21.5
11 7	3 52.89	+16 22.9	1.604	2.573	5.8	21.2
11 17	3 42.77	+15 44.2	1.575	2.562	1.7	20.9
11 27	3 32.31	+15 6.4	1.575	2.550	4.3	21.1
12 7	3 22.76	+14 34.4	1.603	2.538	8.8	21.3
12 17	3 15.19	+14 12.1	1.657	2.526	13.0	21.6
12 27	3 10.32	+14 2.4	1.732	2.513	16.5	21.8

71225 1999 YU_{13} 11 19.5 281.°75 1.°3/18.8 18

10 18	4 3.18	+16 30.9	2.241	3.092	11.3	18.5
10 28	3 57.79	+16 13.5	2.157	3.080	8.2	18.3
11 7	3 50.61	+15 53.0	2.099	3.067	4.7	18.0
11 17	3 42.30	+15 31.3	2.068	3.055	1.5	17.8
11 27	3 33.72	+15 11.0	2.068	3.043	3.5	17.9
12 7	3 25.80	+14 55.0	2.096	3.030	7.1	18.1
12 17	3 19.32	+14 45.8	2.152	3.018	10.5	18.3
12 27	3 14.90	+14 45.5	2.231	3.006	13.4	18.5

325566 2009 SS_{117} 11 19.5 58.°62 4.°5/22.0 18

10 18	4 7.46	+32 44.3	2.001	2.816	13.9	20.6
10 28	4 1.14	+33 9.1	1.940	2.830	10.8	20.5
11 7	3 52.58	+33 18.9	1.901	2.844	7.6	20.3
11 17	3 42.69	+33 12.1	1.890	2.858	5.0	20.2
11 27	3 32.66	+32 49.5	1.906	2.872	5.0	20.2
12 7	3 23.69	+32 15.1	1.951	2.886	7.5	20.4
12 17	3 16.74	+31 34.3	2.022	2.901	10.5	20.6
12 27	3 12.42	+30 53.2	2.117	2.916	13.3	20.8

324312 2006 DZ_{190} 11 19.5 95°.63 1°.3/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.00	+24 9.8	2.467	3.300	11.0	21.1
10 28	3 58.86	+24 14.8	2.404	3.314	8.1	21.0
11 7	3 51.09	+24 12.6	2.366	3.328	4.9	20.8
11 17	3 42.38	+24 3.4	2.357	3.343	1.7	20.6
11 27	3 33.58	+23 48.6	2.379	3.357	2.7	20.7
12 7	3 25.55	+23 30.8	2.430	3.370	5.9	20.9
12 17	3 19.01	+23 13.2	2.510	3.384	8.9	21.1
12 27	3 14.44	+22 58.7	2.614	3.397	11.4	21.3

369824 2012 HP_{70} 11 19.5 124°.57 4°.3/16.1 18

10 18	4 1.27	+ 7 24.3	2.546	3.396	10.2	21.5
10 28	3 56.01	+ 6 16.3	2.489	3.404	7.6	21.4
11 7	3 49.40	+ 5 11.0	2.457	3.412	5.3	21.3
11 17	3 42.03	+ 4 12.5	2.455	3.420	4.3	21.2
11 27	3 34.63	+ 3 24.8	2.483	3.427	5.6	21.3
12 7	3 27.89	+ 2 50.6	2.540	3.435	8.0	21.5
12 17	3 22.39	+ 2 31.4	2.622	3.442	10.4	21.6
12 27	3 18.57	+ 2 27.1	2.727	3.449	12.5	21.8

228856 2003 FN_{116} 11 19.5 334°.00 0°.4/19.6 18

10 18	4 5.07	+20 31.3	1.205	2.079	17.3	19.6
10 28	4 0.55	+20 39.1	1.132	2.065	12.8	19.3
11 7	3 52.80	+20 39.2	1.080	2.052	7.5	19.0
11 17	3 42.81	+20 31.9	1.052	2.039	1.7	18.6
11 27	3 32.21	+20 19.8	1.048	2.028	4.5	18.7
12 7	3 22.80	+20 7.3	1.069	2.018	10.4	19.0
12 17	3 16.07	+19 59.9	1.112	2.008	15.6	19.3
12 27	3 12.96	+20 1.9	1.174	2.000	20.0	19.6

168071 2006 CW_{43} 11 19.5 114°.22 2°.0/18.5 18

10 18	4 7.66	+14 39.0	2.039	2.887	12.4	20.1
10 28	4 0.87	+14 17.2	1.985	2.906	8.9	19.9
11 7	3 52.26	+13 53.9	1.956	2.923	5.2	19.7
11 17	3 42.62	+13 31.4	1.956	2.941	2.1	19.5
11 27	3 32.98	+13 12.7	1.985	2.957	4.0	19.7
12 7	3 24.31	+13 0.5	2.044	2.973	7.6	20.0
12 17	3 17.38	+12 57.0	2.130	2.989	10.9	20.2
12 27	3 12.71	+13 3.1	2.239	3.004	13.7	20.4

267572 2002 QT_{74} 11 19.5 299°.04 4°.3/21.8 17

10 18	4 6.36	+32 27.4	2.277	3.088	12.5	21.0
10 28	4 0.33	+32 58.0	2.195	3.082	9.9	20.8
11 7	3 52.18	+33 16.2	2.136	3.077	7.0	20.6
11 17	3 42.65	+33 19.7	2.105	3.071	4.7	20.5
11 27	3 32.78	+33 8.7	2.102	3.066	4.7	20.5
12 7	3 23.67	+32 45.6	2.128	3.061	7.1	20.6
12 17	3 16.28	+32 15.0	2.180	3.055	10.0	20.8
12 27	3 11.30	+31 42.2	2.257	3.050	12.7	20.9

205067 1999 RF_{87} 11 19.5 23°.24 10°.2/23.6 18

10 18	4 10.54	+39 6.1	1.220	2.041	20.6	18.9
10 28	4 4.93	+40 33.6	1.172	2.053	17.0	18.7
11 7	3 55.41	+41 34.5	1.142	2.065	13.5	18.5
11 17	3 43.33	+42 1.0	1.134	2.079	10.8	18.4
11 27	3 30.88	+41 50.9	1.149	2.095	10.4	18.5
12 7	3 20.30	+41 10.1	1.186	2.111	12.3	18.6
12 17	3 13.21	+40 9.8	1.246	2.128	15.4	18.9
12 27	3 10.42	+39 2.6	1.325	2.147	18.4	19.1

143029 2002 VZ_{118} 11 19.5 349°.90 2°.1/20.2 18

10 18	4 5.69	+24 7.3	1.171	2.041	18.0	19.2
10 28	4 1.03	+24 18.1	1.106	2.035	13.5	18.9
11 7	3 53.05	+24 16.3	1.061	2.030	8.2	18.6
11 17	3 42.87	+24 1.4	1.039	2.025	2.9	18.3
11 27	3 32.23	+23 35.8	1.042	2.022	4.6	18.4
12 7	3 22.97	+23 5.5	1.070	2.020	10.2	18.7
12 17	3 16.55	+22 37.3	1.120	2.019	15.3	19.0
12 27	3 13.82	+22 17.7	1.189	2.019	19.6	19.3

226540 2003 UK_{218} 11 19.5 137°.42 0°.8/19.1 18

10 18	4 4.47	+17 0.8	2.464	3.309	10.6	20.3
10 28	3 58.50	+17 0.6	2.394	3.313	7.7	20.1
11 7	3 50.92	+16 58.0	2.350	3.317	4.4	19.9
11 17	3 42.38	+16 54.0	2.334	3.322	1.1	19.7
11 27	3 33.70	+16 50.2	2.350	3.326	2.9	19.9
12 7	3 25.70	+16 48.6	2.395	3.330	6.3	20.1
12 17	3 19.08	+16 51.1	2.468	3.333	9.4	20.3
12 27	3 14.37	+16 59.2	2.565	3.337	12.0	20.5

267601 2002 RE_{71} 11 19.5 355°.99 5°.4/15.7 18

10 18	4 0.48	+ 7 0.1	2.038	2.898	11.9	19.6
10 28	3 55.80	+ 5 38.6	1.977	2.896	9.0	19.4
11 7	3 49.44	+ 4 19.9	1.940	2.895	6.4	19.2
11 17	3 42.09	+ 3 9.9	1.931	2.894	5.4	19.2
11 27	3 34.63	+ 2 14.0	1.950	2.894	7.0	19.3
12 7	3 27.92	+ 1 36.0	1.997	2.893	9.7	19.4
12 17	3 22.71	+ 1 17.6	2.067	2.893	12.6	19.6
12 27	3 19.49	+ 1 18.2	2.159	2.894	15.0	19.8

227178 2005 QX_{46} 11 19.5 36°.63 1°.1/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 7.46	+18 1.4	1.146	2.023	17.9	19.5
10 28	4 1.84	+17 50.7	1.102	2.037	13.0	19.2
11 7	3 53.23	+17 34.4	1.079	2.052	7.4	19.0
11 17	3 42.87	+17 14.9	1.080	2.067	1.7	18.7
11 27	3 32.49	+16 56.5	1.106	2.084	4.8	18.9
12 7	3 23.73	+16 43.9	1.156	2.101	10.2	19.3
12 17	3 17.75	+16 40.9	1.230	2.119	15.0	19.6
12 27	3 15.17	+16 49.8	1.323	2.138	18.8	19.9

460084 2014 OE_{341} 11 19.5 46°.57 0°.3/19.7 16

10 18	4 4.80	+21 30.4	1.827	2.679	13.4	21.0
10 28	3 59.13	+21 18.8	1.769	2.691	9.8	20.8
11 7	3 51.41	+20 59.8	1.736	2.704	5.6	20.6
11 17	3 42.50	+20 34.8	1.730	2.718	1.2	20.3
11 27	3 33.52	+20 6.8	1.752	2.731	3.2	20.5
12 7	3 25.57	+19 39.7	1.803	2.745	7.4	20.8
12 17	3 19.49	+19 17.3	1.880	2.759	11.1	21.1
12 27	3 15.87	+19 2.8	1.979	2.774	14.2	21.3

58964 1998 QJ_{104} 11 19.5 86°.05 3°.9/21.9 18

10 18	4 9.33	+32 23.1	2.350	3.154	12.4	19.1
10 28	4 2.13	+32 47.8	2.295	3.180	9.6	18.9
11 7	3 53.02	+32 59.3	2.266	3.206	6.7	18.8
11 17	3 42.82	+32 56.3	2.264	3.231	4.3	18.7
11 27	3 32.60	+32 39.6	2.291	3.256	4.3	18.7
12 7	3 23.37	+32 12.5	2.349	3.281	6.6	18.9
12 17	3 15.95	+31 39.6	2.434	3.305	9.2	19.1
12 27	3 10.86	+31 5.9	2.544	3.329	11.7	19.4

172249 2002 RG_{226} 11 19.5 119°.38 1°.5/18.7 18

10 18	4 6.72	+16 22.6	2.066	2.914	12.2	20.6
10 28	4 0.24	+15 57.7	2.008	2.929	8.8	20.4
11 7	3 51.95	+15 29.8	1.975	2.943	5.0	20.2
11 17	3 42.62	+15 1.1	1.970	2.956	1.7	20.0
11 27	3 33.25	+14 34.8	1.996	2.970	3.7	20.2
12 7	3 24.81	+14 14.1	2.050	2.982	7.4	20.5
12 17	3 18.07	+14 1.4	2.132	2.995	10.8	20.7
12 27	3 13.56	+13 58.5	2.237	3.006	13.6	20.9

197926 2004 RZ_{57} 11 19.5 177°.13 2°.2/20.7 18

10 18	4 8.59	+26 58.3	1.829	2.664	14.2	20.6
10 28	4 2.09	+26 47.6	1.755	2.665	10.6	20.4
11 7	3 53.23	+26 23.9	1.706	2.666	6.6	20.2
11 17	3 42.91	+25 47.5	1.683	2.666	2.8	20.0
11 27	3 32.38	+25 1.0	1.689	2.667	3.6	20.0
12 7	3 22.91	+24 9.6	1.724	2.667	7.7	20.3
12 17	3 15.53	+23 19.3	1.786	2.666	11.6	20.5
12 27	3 10.87	+22 35.9	1.870	2.665	14.9	20.7

511660 2015 BK_{300} 11 19.5 174°.68 1°.8/20.2 18

10 18	4 11.79	+23 32.2	1.625	2.468	15.2	21.7
10 28	4 4.70	+23 51.9	1.555	2.470	11.3	21.4
11 7	3 54.86	+24 2.6	1.507	2.471	6.8	21.2
11 17	3 43.26	+24 3.1	1.487	2.472	2.4	20.9
11 27	3 31.31	+23 54.5	1.495	2.473	3.9	21.0
12 7	3 20.51	+23 40.4	1.531	2.473	8.5	21.3
12 17	3 12.06	+23 25.7	1.593	2.473	12.7	21.5
12 27	3 6.71	+23 15.3	1.676	2.472	16.3	21.8

437422 2013 XN_{11} 11 19.5 7°.04 2°.2/19.0 18

10 18	4 3.59	+14 35.8	0.906	1.802	19.6	19.7
10 28	3 59.77	+14 51.3	0.858	1.802	14.3	19.4
11 7	3 52.41	+15 7.6	0.829	1.804	8.3	19.1
11 17	3 42.78	+15 26.4	0.821	1.809	2.6	18.7
11 27	3 32.82	+15 49.9	0.836	1.815	5.8	19.0
12 7	3 24.52	+16 20.2	0.873	1.823	11.8	19.3
12 17	3 19.33	+16 58.9	0.930	1.834	17.2	19.7
12 27	3 18.06	+17 46.3	1.004	1.846	21.6	20.0

153468 2001 RO_{16} 11 19.5 63°.16 0°.3/19.4 18

10 18	4 9.95	+20 50.0	1.335	2.197	16.8	19.7
10 28	4 3.17	+20 23.0	1.296	2.223	12.1	19.5
11 7	3 53.77	+19 47.1	1.279	2.249	6.9	19.3
11 17	3 42.98	+19 5.2	1.288	2.276	1.4	19.0
11 27	3 32.37	+18 22.4	1.323	2.302	4.1	19.3
12 7	3 23.37	+17 44.4	1.386	2.328	9.1	19.7
12 17	3 16.97	+17 16.1	1.472	2.354	13.4	20.0
12 27	3 13.67	+17 0.6	1.580	2.380	16.9	20.3

430959 2005 VH_{24} 11 19.5 95°.43 0°.3/19.6 16

10 18	4 10.30	+21 21.6	1.613	2.463	15.0	21.8
10 28	4 3.26	+21 11.7	1.561	2.482	10.9	21.6
11 7	3 53.81	+20 53.5	1.533	2.500	6.3	21.4
11 17	3 43.01	+20 28.4	1.531	2.519	1.4	21.1
11 27	3 32.20	+19 59.7	1.558	2.537	3.6	21.3
12 7	3 22.71	+19 31.8	1.613	2.554	8.2	21.6
12 17	3 15.50	+19 9.3	1.694	2.572	12.2	21.9
12 27	3 11.15	+18 55.6	1.797	2.588	15.5	22.2

456215 2006 KS_{30} 11 19.5 236°.64 0°.2/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.41	+20 53.5	2.457	3.298	10.8	21.5
10 28	3 57.84	+20 47.5	2.378	3.295	7.8	21.3
11 7	3 50.62	+20 36.2	2.325	3.292	4.5	21.1
11 17	3 42.38	+20 20.3	2.301	3.288	1.0	20.8
11 27	3 33.94	+20 1.8	2.307	3.285	2.7	21.0
12 7	3 26.17	+19 43.3	2.342	3.281	6.2	21.2
12 17	3 19.78	+19 27.6	2.406	3.278	9.3	21.4
12 27	3 15.31	+19 17.3	2.493	3.274	12.0	21.6

325296 2008 HU_{28} 11 19.5 34°.62 1°.4/18.8 18

10 18	4 4.54	+16 50.5	1.900	2.756	12.8	20.8
10 28	3 58.94	+16 32.0	1.834	2.758	9.3	20.6
11 7	3 51.34	+16 10.0	1.792	2.761	5.3	20.4
11 17	3 42.53	+15 46.7	1.777	2.764	1.6	20.2
11 27	3 33.55	+15 25.2	1.792	2.767	3.8	20.3
12 7	3 25.47	+15 8.7	1.834	2.770	7.8	20.6
12 17	3 19.14	+15 0.0	1.903	2.774	11.4	20.8
12 27	3 15.15	+15 1.2	1.994	2.777	14.5	21.0

374229 2005 GR_{20} 11 19.5 152°.18 1°.7/20.2 18

10 18	4 11.72	+23 35.6	1.614	2.458	15.3	20.9
10 28	4 4.60	+23 51.0	1.547	2.463	11.3	20.7
11 7	3 54.78	+23 56.9	1.503	2.468	6.8	20.5
11 17	3 43.25	+23 52.6	1.486	2.472	2.3	20.2
11 27	3 31.44	+23 39.4	1.498	2.476	3.8	20.3
12 7	3 20.84	+23 21.3	1.537	2.479	8.4	20.6
12 17	3 12.59	+23 3.3	1.602	2.483	12.7	20.8
12 27	3 7.44	+22 50.3	1.690	2.485	16.2	21.1

444559 2006 SO_{345} 11 19.5 353°.05 5°.0/21.5 18

10 18	4 6.75	+30 27.3	1.515	2.355	16.3	20.2
10 28	4 1.44	+31 9.8	1.444	2.350	12.7	20.0
11 7	3 53.18	+31 37.4	1.395	2.346	8.8	19.8
11 17	3 42.95	+31 46.8	1.370	2.343	5.5	19.6
11 27	3 32.26	+31 37.6	1.371	2.341	5.7	19.6
12 7	3 22.71	+31 13.6	1.398	2.340	9.2	19.8
12 17	3 15.63	+30 41.5	1.449	2.339	13.1	20.0
12 27	3 11.86	+30 8.6	1.522	2.339	16.7	20.2

213149 2000 JW_{69} 11 19.5 193°.88 6°.2/15.7 18

10 18	4 4.33	+ 0 35.2	2.370	3.206	11.3	20.8
10 28	3 58.39	− 0 14.8	2.305	3.204	8.9	20.6
11 7	3 50.88	− 0 56.9	2.266	3.202	6.9	20.5
11 17	3 42.44	− 1 26.8	2.255	3.199	6.3	20.5
11 27	3 33.86	− 1 40.9	2.272	3.196	7.4	20.5
12 7	3 25.97	− 1 37.7	2.317	3.192	9.6	20.7
12 17	3 19.44	− 1 17.2	2.387	3.188	11.9	20.8
12 27	3 14.79	− 0 41.0	2.479	3.183	14.0	21.0

72497 2001 DD_{62} 11 19.5 263°.66 4°.9/16.3 18

10 18	4 3.91	+10 10.9	1.807	2.668	13.1	19.5
10 28	3 58.57	+ 8 46.4	1.735	2.659	9.8	19.3
11 7	3 51.17	+ 7 20.8	1.688	2.649	6.5	19.0
11 17	3 42.51	+ 6 0.5	1.668	2.640	5.0	18.9
11 27	3 33.63	+ 4 52.4	1.677	2.631	6.9	19.0
12 7	3 25.62	+ 4 1.9	1.713	2.621	10.3	19.2
12 17	3 19.35	+ 3 31.8	1.774	2.612	13.8	19.4
12 27	3 15.45	+ 3 22.7	1.855	2.602	16.7	19.6

34252 Orlovsky 11 19.5 205°.31 1°.2/18.9 18

10 18	4 7.41	+17 56.1	1.950	2.799	12.8	20.1
10 28	4 1.05	+17 28.8	1.874	2.795	9.3	19.9
11 7	3 52.58	+16 56.2	1.822	2.790	5.3	19.7
11 17	3 42.80	+16 20.5	1.798	2.785	1.4	19.4
11 27	3 32.78	+15 45.4	1.804	2.780	3.8	19.6
12 7	3 23.64	+15 14.7	1.839	2.773	7.9	19.8
12 17	3 16.29	+14 52.1	1.900	2.767	11.7	20.0
12 27	3 11.36	+14 40.4	1.985	2.760	14.9	20.2

6089 Izumi 11 19.5 20°.16 4°.7/18.0 18

10 18	4 6.51	+11 52.9	1.026	1.912	18.7	16.4
10 28	4 1.47	+11 18.4	0.978	1.916	13.8	16.2
11 7	3 53.19	+10 45.5	0.950	1.921	8.4	15.9
11 17	3 42.93	+10 20.0	0.945	1.927	4.7	15.7
11 27	3 32.50	+10 7.8	0.963	1.934	7.3	15.9
12 7	3 23.68	+10 12.6	1.004	1.942	12.4	16.2
12 17	3 17.76	+10 35.6	1.067	1.951	17.3	16.5
12 27	3 15.45	+11 15.7	1.147	1.960	21.3	16.8

510569 2012 QR_{15} 11 19.5 114°.30 1°.0/20.1 18

10 18	4 9.02	+24 47.8	1.656	2.501	14.9	21.4
10 28	4 2.38	+24 15.1	1.596	2.513	11.0	21.2
11 7	3 53.34	+23 29.9	1.560	2.525	6.5	21.0
11 17	3 42.93	+22 34.1	1.550	2.536	1.8	20.7
11 27	3 32.50	+21 32.2	1.569	2.548	3.5	20.8
12 7	3 23.33	+20 30.6	1.616	2.558	8.1	21.1
12 17	3 16.40	+19 35.6	1.689	2.569	12.2	21.4
12 27	3 12.29	+18 52.1	1.785	2.579	15.5	21.7

409177 2003 UC_{254} 11 19.5 344°.20 2°.0/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 1.52	+16 25.7	1.945	2.805	12.4	20.7
10 28	3 56.75	+15 39.5	1.873	2.800	8.9	20.5
11 7	3 50.10	+14 48.8	1.826	2.796	5.2	20.3
11 17	3 42.29	+13 57.2	1.806	2.792	2.1	20.1
11 27	3 34.31	+13 9.1	1.815	2.788	4.2	20.2
12 7	3 27.14	+12 29.1	1.852	2.785	8.0	20.4
12 17	3 21.59	+12 0.4	1.915	2.782	11.6	20.6
12 27	3 18.24	+11 45.1	2.000	2.779	14.6	20.8

107994 2001 FZ_{136} 11 19.5 230°.86 7°.0/15.4 18

10 18	4 4.44	+ 1 45.8	1.999	2.846	12.7	20.0
10 28	3 58.75	+ 0 38.8	1.932	2.838	10.0	19.8
11 7	3 51.21	− 0 20.9	1.890	2.831	7.7	19.7
11 17	3 42.52	− 1 7.3	1.875	2.823	7.0	19.6
11 27	3 33.64	− 1 35.6	1.887	2.815	8.4	19.7
12 7	3 25.53	− 1 43.0	1.926	2.806	10.9	19.8
12 17	3 19.01	− 1 29.4	1.989	2.797	13.7	20.0
12 27	3 14.65	− 0 56.5	2.072	2.788	16.1	20.2

493400 2014 WT_{179} 11 19.5 116°.38 1°.9/18.5 18

10 18	4 4.08	+13 40.2	2.407	3.255	10.7	21.1
10 28	3 58.23	+13 31.9	2.340	3.260	7.8	21.0
11 7	3 50.80	+13 23.4	2.299	3.266	4.6	20.8
11 17	3 42.43	+13 16.3	2.287	3.272	1.9	20.6
11 27	3 33.94	+13 12.5	2.306	3.277	3.6	20.7
12 7	3 26.15	+13 14.0	2.354	3.283	6.8	20.9
12 17	3 19.74	+13 22.1	2.429	3.288	9.7	21.1
12 27	3 15.23	+13 37.7	2.528	3.293	12.3	21.3

167136 2003 SG_{178} 11 19.5 18°.99 3°.9/21.5 18

10 18	4 7.32	+30 8.5	1.575	2.412	15.9	20.3
10 28	4 1.57	+30 16.2	1.508	2.414	12.2	20.0
11 7	3 53.10	+30 7.6	1.462	2.417	8.1	19.8
11 17	3 42.93	+29 41.2	1.442	2.419	4.5	19.6
11 27	3 32.50	+28 59.2	1.448	2.422	4.8	19.6
12 7	3 23.31	+28 7.2	1.482	2.425	8.5	19.9
12 17	3 16.50	+27 12.6	1.540	2.429	12.5	20.1
12 27	3 12.79	+26 22.7	1.621	2.433	16.0	20.3

15479 1999 CH_9 11 19.5 6°.31 6°.6/16.3 18

10 18	4 0.70	+11 13.4	1.054	1.947	17.8	17.0
10 28	3 57.14	+ 9 31.6	1.007	1.947	13.2	16.7
11 7	3 50.67	+ 7 48.9	0.979	1.948	8.7	16.5
11 17	3 42.45	+ 6 16.3	0.975	1.951	6.6	16.4
11 27	3 34.09	+ 5 4.6	0.994	1.955	9.2	16.6
12 7	3 27.16	+ 4 21.1	1.036	1.961	13.6	16.8
12 17	3 22.78	+ 4 7.9	1.098	1.968	18.0	17.1
12 27	3 21.63	+ 4 22.9	1.176	1.976	21.6	17.4

5059 Saroma 11 19.5 333°.07 7°.7/23.8 18 R

10 18	4 7.05	+39 6.4	1.510	2.320	17.8	16.1
10 28	4 1.90	+39 21.8	1.432	2.310	14.7	15.8
11 7	3 53.54	+39 11.6	1.373	2.301	11.2	15.6
11 17	3 43.07	+38 31.8	1.337	2.292	8.4	15.4
11 27	3 32.17	+37 22.8	1.327	2.284	7.8	15.4
12 7	3 22.64	+35 51.4	1.342	2.277	10.1	15.5
12 17	3 15.87	+34 8.5	1.381	2.270	13.7	15.7
12 27	3 12.66	+32 26.0	1.442	2.264	17.2	15.9

475309 2005 YB_{23} 11 19.5 331°.83 1°.4/19.0 18

10 18	4 5.09	+17 36.5	1.306	2.180	16.4	21.3
10 28	4 0.28	+17 21.9	1.235	2.168	12.0	21.0
11 7	3 52.56	+17 1.9	1.185	2.157	6.9	20.7
11 17	3 42.88	+16 38.8	1.160	2.147	1.8	20.3
11 27	3 32.73	+16 16.8	1.160	2.138	4.8	20.5
12 7	3 23.72	+16 0.6	1.186	2.130	10.2	20.8
12 17	3 17.14	+15 54.6	1.234	2.122	15.1	21.0
12 27	3 13.84	+16 1.5	1.302	2.115	19.2	21.3

102608 1999 VH_{13} 11 19.5 334°.60 1°.4/19.6 18

10 18	4 22.18	+ 8 40.2	1.297	2.143	18.1	18.1
10 28	4 13.54	+10 45.8	1.205	2.123	13.7	17.7
11 7	4 0.76	+13 13.1	1.137	2.103	8.2	17.4
11 17	3 44.69	+15 56.9	1.098	2.085	2.2	17.0
11 27	3 27.09	+18 47.2	1.090	2.068	5.1	17.1
12 7	3 10.25	+21 33.2	1.114	2.052	11.4	17.4
12 17	2 56.26	+24 7.5	1.165	2.038	17.0	17.7
12 27	2 46.55	+26 28.9	1.238	2.025	21.5	17.9

396588 2001 BT_{20} 11 19.5 319°.82 0°.0/19.5 18

10 18	4 4.93	+20 15.8	1.412	2.278	15.8	20.3
10 28	4 0.17	+20 10.4	1.329	2.259	11.6	20.0
11 7	3 52.54	+19 57.3	1.269	2.239	6.8	19.7
11 17	3 42.90	+19 37.5	1.233	2.221	1.4	19.3
11 27	3 32.66	+19 14.0	1.224	2.203	4.2	19.4
12 7	3 23.39	+18 51.7	1.240	2.186	9.6	19.7
12 17	3 16.43	+18 35.5	1.280	2.169	14.5	19.9
12 27	3 12.68	+18 29.8	1.340	2.154	18.7	20.2

488191 2015 XD_{184} 11 19.5 236°.43 2°.6/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 2.61	+13 51.5	2.230	3.084	11.2	21.7
10 28	3 57.32	+13 1.0	2.157	3.080	8.2	21.5
11 7	3 50.36	+12 8.2	2.109	3.076	4.9	21.3
11 17	3 42.39	+11 16.8	2.090	3.072	2.7	21.1
11 27	3 34.27	+10 30.7	2.101	3.068	4.4	21.2
12 7	3 26.87	+ 9 53.8	2.141	3.064	7.7	21.4
12 17	3 20.91	+ 9 28.8	2.207	3.060	10.8	21.6
12 27	3 16.93	+ 9 16.9	2.296	3.055	13.5	21.8

382846 2004 DK_{47} 11 19.5 229°.87 2°.0/18.5 18

10 18	4 7.85	+16 43.0	1.811	2.663	13.5	21.8
10 28	4 1.57	+15 59.7	1.730	2.653	9.8	21.5
11 7	3 53.00	+15 10.8	1.673	2.642	5.7	21.3
11 17	3 42.96	+14 19.4	1.644	2.630	2.1	21.0
11 27	3 32.60	+13 30.4	1.644	2.617	4.5	21.2
12 7	3 23.13	+12 48.8	1.673	2.604	8.8	21.4
12 17	3 15.57	+12 18.8	1.727	2.590	12.8	21.6
12 27	3 10.59	+12 3.1	1.804	2.576	16.2	21.8

29145 1988 FE 11 19.5 248°.56 1°.1/19.9 18

10 18	4 10.59	+21 58.8	1.838	2.679	13.8	18.6
10 28	4 3.79	+22 18.1	1.750	2.665	10.3	18.3
11 7	3 54.43	+22 31.0	1.685	2.650	6.1	18.0
11 17	3 43.29	+22 36.5	1.648	2.634	1.8	17.7
11 27	3 31.60	+22 35.4	1.640	2.618	3.5	17.8
12 7	3 20.72	+22 30.1	1.661	2.602	8.1	18.0
12 17	3 11.83	+22 24.6	1.709	2.585	12.2	18.3
12 27	3 5.75	+22 23.0	1.779	2.568	15.8	18.5

358542 2007 TV_{115} 11 19.5 10°.92 1°.8/18.7 18

10 18	4 4.25	+17 12.2	1.457	2.326	15.2	21.0
10 28	3 59.22	+16 40.8	1.397	2.328	11.0	20.7
11 7	3 51.72	+16 4.3	1.359	2.330	6.3	20.5
11 17	3 42.70	+15 26.0	1.346	2.333	2.0	20.2
11 27	3 33.49	+14 50.8	1.360	2.336	4.6	20.4
12 7	3 25.43	+14 23.6	1.401	2.341	9.4	20.7
12 17	3 19.55	+14 8.1	1.465	2.345	13.6	21.0
12 27	3 16.52	+14 6.3	1.550	2.351	17.2	21.2

489940 2008 RB_{91} 11 19.5 33°.10 1°.8/18.8 16

10 18	4 5.92	+17 28.5	1.151	2.030	17.7	21.2
10 28	4 0.69	+16 59.7	1.110	2.046	12.7	20.9
11 7	3 52.59	+16 25.6	1.089	2.062	7.2	20.7
11 17	3 42.86	+15 50.0	1.092	2.080	2.1	20.4
11 27	3 33.15	+15 18.4	1.121	2.098	5.1	20.7
12 7	3 25.03	+14 56.0	1.174	2.117	10.3	21.0
12 17	3 19.58	+14 46.6	1.249	2.137	14.9	21.4
12 27	3 17.39	+14 51.6	1.344	2.158	18.7	21.7

246063 2006 VS_{73} 11 19.5 242°.69 0°.2/19.6 18

10 18	4 4.75	+21 58.9	2.010	2.857	12.6	20.8
10 28	3 59.12	+21 33.2	1.935	2.854	9.2	20.6
11 7	3 51.50	+20 59.1	1.884	2.852	5.3	20.4
11 17	3 42.65	+20 18.5	1.861	2.849	1.1	20.1
11 27	3 33.62	+19 34.6	1.868	2.846	3.1	20.2
12 7	3 25.44	+18 51.8	1.903	2.844	7.2	20.5
12 17	3 18.98	+18 14.5	1.965	2.841	10.9	20.7
12 27	3 14.84	+17 46.2	2.050	2.838	14.0	20.9

40402 1999 NY_{64} 11 19.5 103°.08 1°.4/20.2 18 R

10 18	4 11.60	+24 1.2	1.481	2.329	16.2	19.0
10 28	4 4.52	+23 57.6	1.426	2.344	11.9	18.7
11 7	3 54.71	+23 42.4	1.394	2.359	7.1	18.5
11 17	3 43.30	+23 16.2	1.387	2.373	2.2	18.2
11 27	3 31.83	+22 42.0	1.409	2.387	3.9	18.4
12 7	3 21.80	+22 5.5	1.457	2.401	8.7	18.7
12 17	3 14.29	+21 32.4	1.532	2.414	13.0	19.0
12 27	3 9.95	+21 7.9	1.627	2.427	16.5	19.3

80834 2000 DS_5 11 19.5 182°.85 1°.8/20.2 18

10 18	4 15.33	+23 2.3	2.128	2.951	12.9	20.6
10 28	4 6.88	+23 46.5	2.048	2.953	9.6	20.4
11 7	3 56.03	+24 24.7	1.993	2.953	5.8	20.2
11 17	3 43.61	+24 54.7	1.968	2.952	2.3	20.0
11 27	3 30.78	+25 15.8	1.975	2.951	3.4	20.1
12 7	3 18.80	+25 29.3	2.013	2.949	7.2	20.3
12 17	3 8.72	+25 38.2	2.080	2.946	10.8	20.5
12 27	3 1.29	+25 46.7	2.171	2.942	13.9	20.7

270172 2001 SK_{225} 11 19.5 28°.38 1°.8/20.2 18

10 18	4 8.08	+23 19.9	1.236	2.101	17.6	20.2
10 28	4 2.47	+23 36.1	1.183	2.109	13.0	19.9
11 7	3 53.76	+23 41.4	1.150	2.118	7.8	19.7
11 17	3 43.14	+23 35.3	1.141	2.127	2.6	19.4
11 27	3 32.30	+23 20.0	1.157	2.137	4.3	19.6
12 7	3 22.96	+23 0.5	1.199	2.148	9.6	19.9
12 17	3 16.38	+22 42.8	1.265	2.159	14.3	20.2
12 27	3 13.29	+22 32.0	1.350	2.171	18.2	20.5

117419 2005 AD_{17} 11 19.5 354°.33 6°.2/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 2.96	+ 2 2.6	2.043	2.891	12.3	19.3
10 28	3 57.65	+ 1 25.9	1.981	2.890	9.6	19.1
11 7	3 50.60	+ 0 57.7	1.944	2.888	7.2	19.0
11 17	3 42.49	+ 0 42.3	1.933	2.887	6.2	18.9
11 27	3 34.23	+ 0 42.9	1.950	2.887	7.5	19.0
12 7	3 26.74	+ 1 0.9	1.993	2.886	10.0	19.1
12 17	3 20.77	+ 1 35.8	2.062	2.886	12.6	19.3
12 27	3 16.87	+ 2 25.7	2.151	2.886	15.1	19.5

363839 2005 QZ_{14} 11 19.5 122°.83 7°.2/23.7 18

10 18	4 10.41	+40 26.1	2.075	2.852	14.7	20.8
10 28	4 3.67	+41 5.9	2.001	2.855	12.2	20.6
11 7	3 54.32	+41 26.3	1.949	2.857	9.6	20.5
11 17	3 43.28	+41 23.5	1.921	2.860	7.6	20.3
11 27	3 31.93	+40 56.9	1.921	2.862	7.3	20.3
12 7	3 21.67	+40 9.9	1.948	2.864	8.8	20.4
12 17	3 13.63	+39 9.5	2.001	2.866	11.2	20.6
12 27	3 8.57	+38 3.7	2.078	2.869	13.7	20.8

291490 2006 DS_{117} 11 19.5 145°.62 0°.8/19.1 18

10 18	4 7.37	+18 32.8	1.847	2.697	13.3	21.1
10 28	4 1.08	+18 14.9	1.780	2.702	9.7	20.8
11 7	3 52.65	+17 51.7	1.738	2.706	5.5	20.6
11 17	3 42.92	+17 25.1	1.723	2.711	1.3	20.3
11 27	3 33.03	+16 58.4	1.738	2.715	3.6	20.5
12 7	3 24.12	+16 35.1	1.781	2.718	7.9	20.8
12 17	3 17.10	+16 18.9	1.850	2.722	11.7	21.0
12 27	3 12.59	+16 12.2	1.942	2.725	14.9	21.2

343787 2011 GU_{41} 11 19.5 7°.17 22°.0/ 4.6 17

10 18	4 2.50	−14 29.9	0.866	1.725	23.9	19.0
10 28	3 58.80	−18 25.2	0.849	1.725	22.4	18.9
11 7	3 51.76	−21 36.8	0.849	1.725	22.1	18.9
11 17	3 42.75	−23 45.4	0.865	1.726	22.9	19.0
11 27	3 33.66	−24 41.2	0.896	1.729	24.6	19.1
12 7	3 26.29	−24 27.0	0.940	1.732	26.5	19.3
12 17	3 21.86	−23 13.0	0.995	1.737	28.5	19.4
12 27	3 21.05	−21 13.2	1.058	1.742	30.2	19.6

127835 2003 FX_{104} 11 19.5 292°.53 1°.5/18.9 18

10 18	4 7.01	+17 6.5	1.509	2.372	15.1	20.0
10 28	4 1.46	+16 50.9	1.429	2.357	11.1	19.7
11 7	3 53.20	+16 30.7	1.372	2.342	6.4	19.4
11 17	3 43.09	+16 7.9	1.340	2.327	1.8	19.1
11 27	3 32.48	+15 46.2	1.336	2.312	4.6	19.2
12 7	3 22.83	+15 30.0	1.358	2.298	9.6	19.5
12 17	3 15.37	+15 23.0	1.404	2.283	14.2	19.7
12 27	3 10.94	+15 28.2	1.471	2.269	18.1	20.0

387289 2012 UP_{162} 11 19.5 129°.60 0°.8/19.9 18

10 18	4 8.92	+22 30.8	1.836	2.679	13.8	21.0
10 28	4 2.25	+22 28.7	1.771	2.687	10.1	20.8
11 7	3 53.34	+22 18.3	1.730	2.695	5.9	20.6
11 17	3 43.07	+22 0.2	1.716	2.703	1.6	20.3
11 27	3 32.65	+21 36.8	1.732	2.711	3.3	20.5
12 7	3 23.28	+21 11.7	1.777	2.718	7.6	20.8
12 17	3 15.91	+20 49.5	1.848	2.725	11.4	21.0
12 27	3 11.18	+20 33.8	1.942	2.732	14.6	21.2

255042 2005 TD_{114} 11 19.5 331°.45 0°.8/19.9 18

10 18	4 5.09	+22 45.6	1.944	2.790	13.0	21.2
10 28	3 59.48	+22 37.3	1.870	2.788	9.5	21.0
11 7	3 51.78	+22 20.8	1.820	2.786	5.6	20.8
11 17	3 42.77	+21 56.8	1.797	2.784	1.5	20.5
11 27	3 33.53	+21 28.0	1.804	2.783	3.2	20.6
12 7	3 25.17	+20 58.0	1.838	2.781	7.3	20.9
12 17	3 18.59	+20 31.1	1.900	2.780	11.0	21.1
12 27	3 14.43	+20 11.1	1.984	2.778	14.2	21.3

109041 2001 QU_{13} 11 19.5 54°.63 5°.3/17.4 18

10 18	4 6.67	+ 9 35.9	1.373	2.243	15.9	19.4
10 28	4 0.90	+ 8 42.8	1.325	2.253	11.8	19.2
11 7	3 52.64	+ 7 53.0	1.299	2.263	7.6	19.0
11 17	3 42.94	+ 7 12.4	1.298	2.274	5.3	18.9
11 27	3 33.18	+ 6 46.4	1.323	2.284	7.3	19.0
12 7	3 24.71	+ 6 38.7	1.373	2.295	11.2	19.3
12 17	3 18.54	+ 6 50.0	1.447	2.306	15.1	19.6
12 27	3 15.28	+ 7 19.1	1.540	2.318	18.3	19.8

455321 2002 NA_1 11 19.5 15°.61 7°.4/14.6 17

10 18	4 0.21	+ 3 33.0	1.749	2.612	13.4	20.7
10 28	3 55.83	+ 1 53.0	1.701	2.617	10.4	20.5
11 7	3 49.60	+ 0 20.2	1.677	2.623	8.1	20.4
11 17	3 42.32	− 0 57.9	1.680	2.630	7.4	20.4
11 27	3 34.98	− 1 54.8	1.709	2.638	9.0	20.5
12 7	3 28.54	− 2 27.1	1.763	2.646	11.6	20.7
12 17	3 23.77	− 2 34.3	1.840	2.655	14.3	20.9
12 27	3 21.19	− 2 18.7	1.936	2.664	16.7	21.1

513215 2005 UD_{228} 11 19.6 65°.80 0°.7/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 9.19	+19 32.9	1.381	2.243	16.3	21.2
10 28	4 2.72	+19 8.3	1.336	2.263	11.8	21.0
11 7	3 53.65	+18 36.3	1.313	2.283	6.7	20.8
11 17	3 43.15	+17 59.8	1.315	2.303	1.4	20.5
11 27	3 32.70	+17 23.3	1.345	2.323	4.2	20.8
12 7	3 23.72	+16 52.2	1.402	2.344	9.1	21.1
12 17	3 17.23	+16 30.7	1.483	2.364	13.4	21.4
12 27	3 13.79	+16 21.6	1.585	2.384	16.9	21.7

407161 2009 UM_{25} 11 19.6 3°.33 1°.6/18.6 18

10 18	4 1.02	+18 42.5	1.633	2.501	13.9	20.2
10 28	3 56.71	+17 47.1	1.569	2.500	10.1	19.9
11 7	3 50.24	+16 44.3	1.529	2.500	5.8	19.7
11 17	3 42.49	+15 38.3	1.515	2.501	1.8	19.4
11 27	3 34.58	+14 34.9	1.528	2.504	4.3	19.6
12 7	3 27.67	+13 40.2	1.568	2.507	8.7	19.9
12 17	3 22.65	+12 58.7	1.633	2.511	12.6	20.1
12 27	3 20.12	+12 33.0	1.720	2.516	16.0	20.3

204970 1992 DQ_6 11 19.6 211°.81 5°.5/15.9 18

10 18	4 4.73	+ 3 36.5	2.370	3.211	11.1	21.3
10 28	3 58.79	+ 2 39.3	2.297	3.203	8.6	21.1
11 7	3 51.23	+ 1 47.2	2.251	3.196	6.4	21.0
11 17	3 42.69	+ 1 4.7	2.233	3.187	5.6	20.9
11 27	3 33.97	+ 0 35.8	2.244	3.178	6.8	21.0
12 7	3 25.90	+ 0 23.0	2.283	3.168	9.2	21.1
12 17	3 19.18	+ 0 27.1	2.348	3.158	11.8	21.3
12 27	3 14.36	+ 0 47.2	2.435	3.147	14.1	21.4

456047 2005 YS_{239} 11 19.6 273°.59 0°.5/19.9 17

10 18	4 3.90	+22 43.9	2.176	3.018	11.9	21.7
10 28	3 58.46	+22 23.1	2.096	3.013	8.7	21.5
11 7	3 51.15	+21 54.2	2.041	3.007	5.1	21.3
11 17	3 42.69	+21 18.4	2.013	3.001	1.3	21.0
11 27	3 34.01	+20 38.5	2.016	2.995	2.9	21.1
12 7	3 26.09	+19 58.5	2.048	2.989	6.7	21.3
12 17	3 19.74	+19 22.4	2.107	2.983	10.2	21.5
12 27	3 15.55	+18 53.9	2.189	2.977	13.2	21.7

314946 2006 WQ_{109} 11 19.6 1°.70 0°.0/19.5 17

10 18	4 4.67	+20 52.0	1.763	2.618	13.7	21.1
10 28	3 59.31	+20 33.8	1.694	2.617	10.0	20.9
11 7	3 51.75	+20 8.1	1.648	2.617	5.8	20.6
11 17	3 42.82	+19 36.5	1.629	2.617	1.2	20.3
11 27	3 33.67	+19 2.4	1.639	2.617	3.5	20.5
12 7	3 25.49	+18 30.2	1.676	2.618	7.9	20.8
12 17	3 19.22	+18 4.1	1.739	2.619	11.8	21.0
12 27	3 15.49	+17 47.5	1.824	2.621	15.2	21.2

332310 2006 VL_{123} 11 19.6 52°.91 1°.3/19.9 18

10 18	4 12.02	+21 26.2	1.218	2.081	18.0	19.9
10 28	4 5.28	+21 56.3	1.171	2.097	13.2	19.6
11 7	3 55.37	+22 18.0	1.145	2.113	7.8	19.4
11 17	3 43.57	+22 30.2	1.144	2.130	2.2	19.1
11 27	3 31.66	+22 34.0	1.168	2.148	4.3	19.3
12 7	3 21.40	+22 33.4	1.219	2.166	9.6	19.6
12 17	3 14.06	+22 33.1	1.293	2.184	14.3	20.0
12 27	3 10.31	+22 37.9	1.388	2.202	18.2	20.3

313309 2002 EH_8 11 19.6 152°.82 2°.5/18.2 16

10 18	4 10.27	+13 46.5	2.153	2.994	12.1	22.3
10 28	4 2.79	+13 7.9	2.091	3.007	8.8	22.1
11 7	3 53.49	+12 27.8	2.055	3.020	5.2	21.9
11 17	3 43.15	+11 49.0	2.049	3.031	2.6	21.7
11 27	3 32.78	+11 15.2	2.073	3.041	4.4	21.9
12 7	3 23.34	+10 49.7	2.128	3.050	7.8	22.1
12 17	3 15.61	+10 34.8	2.210	3.058	11.0	22.3
12 27	3 10.12	+10 31.7	2.316	3.065	13.7	22.5

28598 Apadmanabha 11 19.6 149°.06 3°.8/17.8 18

10 18	4 7.46	+11 56.7	1.674	2.533	14.1	19.2
10 28	4 1.25	+11 11.7	1.613	2.537	10.3	19.0
11 7	3 52.81	+10 26.6	1.576	2.541	6.4	18.8
11 17	3 43.03	+ 9 45.8	1.565	2.545	3.8	18.7
11 27	3 33.12	+ 9 14.0	1.583	2.549	5.8	18.8
12 7	3 24.25	+ 8 55.2	1.628	2.552	9.6	19.0
12 17	3 17.38	+ 8 51.3	1.698	2.555	13.4	19.3
12 27	3 13.13	+ 9 2.8	1.789	2.557	16.5	19.5

155553 1999 UY_{56} 11 19.6 211°.28 1°.4/20.3 17

10 18	4 6.48	+23 44.8	2.269	3.104	11.8	21.1
10 28	4 0.32	+24 1.1	2.191	3.102	8.7	20.9
11 7	3 52.23	+24 10.4	2.138	3.100	5.3	20.6
11 17	3 42.93	+24 12.2	2.114	3.099	1.9	20.4
11 27	3 33.35	+24 7.7	2.119	3.097	3.0	20.5
12 7	3 24.52	+23 59.0	2.154	3.095	6.5	20.7
12 17	3 17.27	+23 49.3	2.217	3.093	9.8	20.9
12 27	3 12.21	+23 42.0	2.303	3.091	12.7	21.1

511905 2015 HG_{62} 11 19.6 142°.11 2°.6/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 9.05	+13 31.3	1.742	2.596	13.9	21.2
10 28	4 2.36	+13 13.6	1.680	2.603	10.1	21.0
11 7	3 53.44	+12 55.4	1.642	2.609	6.0	20.7
11 17	3 43.17	+12 39.3	1.631	2.615	2.7	20.5
11 27	3 32.74	+12 28.3	1.650	2.621	4.8	20.7
12 7	3 23.37	+12 25.4	1.696	2.626	8.8	20.9
12 17	3 15.98	+12 32.4	1.768	2.631	12.6	21.2
12 27	3 11.21	+12 50.4	1.862	2.636	15.7	21.4

512098 2015 OG_{25} 11 19.6 108°.95 4°.9/22.9 18

10 18	4 9.50	+35 53.9	1.910	2.714	14.9	20.9
10 28	4 2.77	+35 41.3	1.843	2.724	11.8	20.7
11 7	3 53.67	+35 8.6	1.798	2.734	8.4	20.5
11 17	3 43.20	+34 15.0	1.779	2.745	5.5	20.4
11 27	3 32.70	+33 3.3	1.789	2.754	5.2	20.4
12 7	3 23.45	+31 39.7	1.827	2.764	7.8	20.6
12 17	3 16.42	+30 12.5	1.892	2.774	11.0	20.8
12 27	3 12.19	+28 49.5	1.982	2.783	14.0	21.0

372799 2010 RO_{173} 11 19.6 9°.47 4°.0/20.5 18

10 18	4 10.25	+24 39.2	1.044	1.915	19.8	19.9
10 28	4 4.83	+25 45.7	0.988	1.915	14.9	19.6
11 7	3 55.57	+26 41.8	0.952	1.917	9.5	19.3
11 17	3 43.68	+27 22.3	0.938	1.920	4.6	19.1
11 27	3 31.23	+27 45.2	0.947	1.925	5.8	19.2
12 7	3 20.42	+27 53.7	0.981	1.930	11.0	19.5
12 17	3 12.95	+27 54.3	1.036	1.936	16.1	19.8
12 27	3 9.75	+27 54.4	1.110	1.944	20.4	20.1

454659 2014 QW_{319} 11 19.6 46°.64 0°.1/19.5 18

10 18	4 5.11	+19 46.5	2.025	2.874	12.4	21.3
10 28	3 59.38	+19 40.1	1.956	2.876	9.0	21.1
11 7	3 51.70	+19 28.4	1.911	2.879	5.2	20.8
11 17	3 42.82	+19 12.6	1.893	2.881	1.1	20.5
11 27	3 33.75	+18 54.9	1.906	2.884	3.1	20.7
12 7	3 25.53	+18 38.4	1.946	2.886	7.1	21.0
12 17	3 18.99	+18 26.2	2.014	2.889	10.7	21.2
12 27	3 14.73	+18 21.0	2.105	2.892	13.7	21.4

185093 2006 RV_{104} 11 19.6 352°.31 4°.8/21.1 18

10 18	4 10.32	+28 26.4	1.256	2.107	18.3	20.5
10 28	4 4.55	+29 12.5	1.190	2.104	14.1	20.2
11 7	3 55.28	+29 43.8	1.144	2.102	9.4	19.9
11 17	3 43.63	+29 56.2	1.122	2.100	5.3	19.7
11 27	3 31.41	+29 49.0	1.125	2.099	5.9	19.7
12 7	3 20.61	+29 26.8	1.153	2.098	10.2	20.0
12 17	3 12.78	+28 57.2	1.204	2.098	14.9	20.2
12 27	3 8.85	+28 28.8	1.275	2.099	18.9	20.5

79953 1999 CG_{97} 11 19.6 293°.23 5°.1/17.0 18

10 18	4 4.43	+ 7 5.0	1.845	2.702	13.1	19.3
10 28	3 59.01	+ 6 23.7	1.774	2.694	9.9	19.0
11 7	3 51.55	+ 5 46.6	1.727	2.685	6.7	18.8
11 17	3 42.81	+ 5 18.2	1.707	2.677	5.1	18.7
11 27	3 33.81	+ 5 2.7	1.715	2.669	6.7	18.8
12 7	3 25.62	+ 5 2.9	1.749	2.660	10.0	19.0
12 17	3 19.14	+ 5 19.6	1.808	2.652	13.3	19.2
12 27	3 14.99	+ 5 52.1	1.888	2.644	16.2	19.4

443511 2014 JR_{45} 11 19.6 60°.62 0°.4/19.8 18

10 18	4 6.78	+21 33.2	1.707	2.559	14.2	21.3
10 28	4 0.83	+21 24.4	1.646	2.567	10.4	21.1
11 7	3 52.60	+21 7.6	1.609	2.576	6.0	20.9
11 17	3 43.01	+20 44.2	1.598	2.585	1.4	20.6
11 27	3 33.28	+20 17.0	1.616	2.595	3.4	20.7
12 7	3 24.65	+19 50.3	1.661	2.604	7.9	21.0
12 17	3 18.05	+19 28.2	1.732	2.613	11.8	21.3
12 27	3 14.12	+19 14.4	1.826	2.623	15.1	21.5

25974 2001 FF_{43} 11 19.6 156°.52 0°.4/19.3 18

10 18	4 10.04	+20 5.3	2.091	2.929	12.5	20.3
10 28	4 2.78	+19 39.9	2.024	2.940	9.1	20.1
11 7	3 53.57	+19 7.9	1.982	2.949	5.2	19.9
11 17	3 43.20	+18 31.2	1.970	2.957	1.1	19.6
11 27	3 32.75	+17 52.8	1.988	2.965	3.2	19.8
12 7	3 23.27	+17 16.8	2.036	2.971	7.2	20.0
12 17	3 15.58	+16 47.1	2.112	2.977	10.7	20.3
12 27	3 10.24	+16 26.4	2.211	2.982	13.7	20.5

108012 2001 FV_{143} 11 19.6 330°.69 2°.4/20.3 18

10 18	4 10.92	+23 40.1	1.703	2.545	14.7	19.0
10 28	4 4.20	+24 28.7	1.628	2.542	11.0	18.8
11 7	3 54.77	+25 10.5	1.578	2.540	6.8	18.5
11 17	3 43.51	+25 42.9	1.554	2.537	2.9	18.3
11 27	3 31.77	+26 4.9	1.559	2.535	4.0	18.4
12 7	3 21.01	+26 18.2	1.592	2.533	8.3	18.6
12 17	3 12.43	+26 26.6	1.651	2.532	12.3	18.8
12 27	3 6.88	+26 34.5	1.732	2.530	15.8	19.1

402188 2004 TQ_{111} 11 19.6 2.°31 0.°3/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 4.06	+21 8.8	1.803	2.657	13.5	20.8
10 28	3 58.86	+21 2.6	1.733	2.656	9.8	20.6
11 7	3 51.51	+20 49.4	1.688	2.656	5.7	20.3
11 17	3 42.80	+20 30.3	1.669	2.657	1.3	20.0
11 27	3 33.87	+20 7.8	1.678	2.657	3.3	20.2
12 7	3 25.86	+19 45.8	1.715	2.659	7.6	20.4
12 17	3 19.70	+19 28.0	1.778	2.661	11.5	20.7
12 27	3 16.04	+19 17.6	1.864	2.663	14.8	20.9

7383 Lassovszky 11 19.6 286.°08 1.°1/19.1 18

10 18	4 6.64	+18 33.8	1.583	2.443	14.7	18.2
10 28	4 1.03	+18 8.9	1.509	2.435	10.7	17.9
11 7	3 52.89	+17 37.5	1.458	2.428	6.2	17.6
11 17	3 43.12	+17 1.9	1.432	2.420	1.5	17.3
11 27	3 33.00	+16 26.3	1.435	2.412	4.2	17.5
12 7	3 23.90	+15 55.5	1.465	2.405	9.0	17.7
12 17	3 16.91	+15 34.0	1.519	2.397	13.4	18.0
12 27	3 12.78	+15 24.9	1.595	2.390	17.1	18.2

383839 2008 GM_{102} 11 19.6 123.°16 0.°6/19.3 18

10 18	4 10.74	+18 32.8	1.646	2.496	14.7	21.2
10 28	4 3.74	+18 30.0	1.586	2.507	10.7	21.0
11 7	3 54.29	+18 22.1	1.549	2.518	6.1	20.7
11 17	3 43.38	+18 10.2	1.540	2.528	1.3	20.4
11 27	3 32.33	+17 57.1	1.560	2.538	3.8	20.6
12 7	3 22.46	+17 46.1	1.608	2.547	8.4	20.9
12 17	3 14.79	+17 40.7	1.681	2.556	12.5	21.2
12 27	3 9.97	+17 43.6	1.777	2.564	15.9	21.5

373087 2011 FM_{130} 11 19.6 286.°11 5.°4/16.4 18

10 18	4 2.50	+ 3 15.1	2.319	3.164	11.2	20.8
10 28	3 57.23	+ 2 37.0	2.251	3.159	8.6	20.7
11 7	3 50.38	+ 2 5.3	2.208	3.155	6.4	20.5
11 17	3 42.57	+ 1 43.8	2.193	3.150	5.4	20.4
11 27	3 34.61	+ 1 35.7	2.206	3.145	6.6	20.5
12 7	3 27.29	+ 1 42.7	2.247	3.140	9.0	20.6
12 17	3 21.31	+ 2 5.0	2.314	3.136	11.5	20.8
12 27	3 17.19	+ 2 41.4	2.402	3.131	13.8	21.0

405292 2003 TJ_{16} 11 19.6 4.°66 0.°7/19.1 18

10 18	4 1.03	+21 14.0	1.630	2.494	14.1	19.6
10 28	3 56.76	+20 17.6	1.565	2.494	10.3	19.4
11 7	3 50.31	+19 11.1	1.524	2.495	5.8	19.2
11 17	3 42.57	+17 58.4	1.510	2.497	1.3	18.9
11 27	3 34.69	+16 45.6	1.522	2.500	3.9	19.1
12 7	3 27.84	+15 39.4	1.563	2.504	8.4	19.3
12 17	3 22.90	+14 45.1	1.628	2.509	12.4	19.6
12 27	3 20.48	+14 6.4	1.714	2.515	15.8	19.8

221770 2007 GG_{60} 11 19.6 220.°73 0.°4/19.8 18

10 18	4 3.89	+22 33.8	2.271	3.113	11.5	20.5
10 28	3 58.37	+22 12.2	2.195	3.111	8.4	20.3
11 7	3 51.08	+21 42.9	2.143	3.109	4.9	20.0
11 17	3 42.73	+21 7.3	2.120	3.107	1.2	19.8
11 27	3 34.20	+20 28.1	2.127	3.105	2.8	19.9
12 7	3 26.43	+19 49.0	2.163	3.104	6.5	20.1
12 17	3 20.17	+19 13.9	2.227	3.101	9.8	20.3
12 27	3 15.97	+18 46.0	2.314	3.099	12.7	20.5

487351 2014 QV_{214} 11 19.6 328.°13 5.°7/22.7 17

10 18	4 6.90	+35 45.3	1.978	2.783	14.4	21.4
10 28	4 1.16	+36 10.4	1.897	2.777	11.5	21.2
11 7	3 52.96	+36 18.5	1.840	2.772	8.5	21.0
11 17	3 43.15	+36 6.9	1.807	2.766	6.1	20.9
11 27	3 32.98	+35 35.7	1.802	2.761	5.9	20.9
12 7	3 23.77	+34 48.7	1.824	2.756	8.1	21.0
12 17	3 16.62	+33 52.4	1.872	2.752	11.2	21.2
12 27	3 12.25	+32 54.1	1.944	2.747	14.1	21.3

223756 2004 RG_{223} 11 19.6 167.°43 3.°5/17.2 18

10 18	4 2.59	+11 13.8	2.263	3.117	11.1	20.5
10 28	3 57.30	+10 15.0	2.197	3.118	8.2	20.3
11 7	3 50.41	+ 9 16.1	2.156	3.119	5.2	20.2
11 17	3 42.59	+ 8 21.0	2.144	3.120	3.5	20.1
11 27	3 34.65	+ 7 34.1	2.161	3.120	5.1	20.2
12 7	3 27.44	+ 6 58.8	2.207	3.121	8.0	20.4
12 17	3 21.63	+ 6 37.3	2.279	3.122	10.9	20.5
12 27	3 17.74	+ 6 30.3	2.374	3.122	13.5	20.7

209875 2005 JW_{90} 11 19.6 166.°46 1.°2/20.4 18

10 18	4 6.70	+25 38.7	2.413	3.240	11.4	21.3
10 28	4 0.28	+25 14.9	2.338	3.245	8.4	21.1
11 7	3 52.12	+24 41.3	2.289	3.250	5.1	20.9
11 17	3 42.95	+23 58.9	2.268	3.254	1.8	20.7
11 27	3 33.67	+23 10.5	2.279	3.257	2.7	20.7
12 7	3 25.20	+22 19.9	2.319	3.259	6.1	21.0
12 17	3 18.28	+21 31.6	2.389	3.262	9.3	21.2
12 27	3 13.44	+20 49.6	2.483	3.263	12.1	21.4

139685 2001 QN_{210} 11 19.6 35.°94 5.°4/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.50	+ 8 38.9	1.564	2.432	14.4	18.8
10 28	3 58.40	+ 7 33.2	1.517	2.443	10.7	18.6
11 7	3 51.17	+ 6 31.2	1.493	2.455	7.2	18.4
11 17	3 42.75	+ 5 38.9	1.495	2.467	5.4	18.4
11 27	3 34.30	+ 5 2.0	1.524	2.479	7.2	18.5
12 7	3 26.94	+ 4 43.8	1.578	2.493	10.6	18.7
12 17	3 21.53	+ 4 45.4	1.657	2.506	14.0	19.0
12 27	3 18.63	+ 5 5.4	1.755	2.520	16.9	19.2

79926 1999 CP_{42} 11 19.6 141.°02 4.°3/22.5 18

10 18	4 9.29	+34 46.7	2.481	3.274	12.2	20.0
10 28	4 2.27	+34 59.9	2.411	3.285	9.6	19.8
11 7	3 53.31	+34 58.8	2.364	3.296	6.9	19.7
11 17	3 43.20	+34 42.0	2.345	3.306	4.7	19.6
11 27	3 32.97	+34 10.4	2.355	3.316	4.6	19.6
12 7	3 23.64	+33 27.3	2.395	3.325	6.6	19.7
12 17	3 16.04	+32 37.9	2.464	3.334	9.2	19.9
12 27	3 10.74	+31 47.7	2.557	3.342	11.6	20.1

69972 1998 WJ_2 11 19.6 306.°59 3.°1/21.7 18

10 18	4 4.34	+30 59.3	2.175	2.996	12.7	18.7
10 28	3 58.94	+30 46.0	2.091	2.989	9.8	18.5
11 7	3 51.52	+30 18.5	2.031	2.981	6.5	18.3
11 17	3 42.85	+29 36.5	1.997	2.974	3.7	18.1
11 27	3 33.96	+28 42.3	1.993	2.966	3.8	18.1
12 7	3 25.89	+27 40.5	2.018	2.959	6.8	18.3
12 17	3 19.53	+26 36.8	2.069	2.952	10.1	18.5
12 27	3 15.50	+25 37.0	2.146	2.946	13.1	18.7

396475 2014 FS_{36} 11 19.6 109.°39 1.°0/20.1 18

10 18	4 8.01	+22 57.8	1.920	2.761	13.3	21.0
10 28	4 1.56	+22 56.6	1.856	2.771	9.8	20.8
11 7	3 52.99	+22 47.2	1.817	2.782	5.8	20.6
11 17	3 43.15	+22 30.0	1.805	2.792	1.7	20.3
11 27	3 33.17	+22 7.2	1.823	2.801	3.2	20.5
12 7	3 24.20	+21 42.6	1.869	2.811	7.2	20.7
12 17	3 17.13	+21 20.2	1.942	2.820	10.9	21.0
12 27	3 12.56	+21 3.8	2.039	2.829	14.0	21.2

435558 2008 RT_3 11 19.6 101.°08 0.°9/19.1 16

10 18	4 9.11	+19 10.1	1.714	2.565	14.2	22.0
10 28	4 2.34	+18 38.9	1.662	2.584	10.3	21.8
11 7	3 53.38	+18 1.4	1.634	2.602	5.8	21.6
11 17	3 43.21	+17 20.2	1.633	2.620	1.3	21.3
11 27	3 33.06	+16 39.5	1.661	2.638	3.8	21.6
12 7	3 24.11	+16 4.0	1.718	2.655	8.1	21.9
12 17	3 17.25	+15 37.5	1.800	2.672	12.0	22.1
12 27	3 13.01	+15 22.5	1.905	2.688	15.1	22.4

262967 2007 DT_{105} 11 19.6 353.°27 0.°8/19.9 18

10 18	4 4.87	+22 26.4	1.878	2.726	13.2	20.1
10 28	3 59.44	+22 24.4	1.805	2.725	9.7	19.9
11 7	3 51.86	+22 14.6	1.757	2.723	5.7	19.7
11 17	3 42.93	+21 57.6	1.735	2.722	1.6	19.4
11 27	3 33.75	+21 35.6	1.742	2.721	3.2	19.5
12 7	3 25.46	+21 12.4	1.777	2.720	7.4	19.8
12 17	3 18.99	+20 51.8	1.838	2.720	11.2	20.0
12 27	3 14.99	+20 37.5	1.922	2.720	14.4	20.2

486584 2013 JA_{23} 11 19.6 103.°47 0.°2/19.7 18

10 18	4 6.84	+19 46.8	2.188	3.030	11.9	20.7
10 28	4 0.51	+19 57.0	2.122	3.039	8.6	20.5
11 7	3 52.33	+20 2.8	2.080	3.047	5.0	20.3
11 17	3 43.02	+20 4.5	2.067	3.055	1.1	20.1
11 27	3 33.54	+20 3.5	2.085	3.063	2.9	20.2
12 7	3 24.88	+20 1.8	2.131	3.071	6.6	20.5
12 17	3 17.83	+20 2.1	2.206	3.079	10.0	20.7
12 27	3 12.98	+20 6.8	2.304	3.086	12.8	20.9

352899 2008 YL_{76} 11 19.6 347.°77 1.°4/20.2 17

10 18	3 58.54	+24 54.0	1.041	1.926	18.6	19.7
10 28	3 56.20	+24 28.0	0.973	1.910	13.9	19.3
11 7	3 50.58	+23 43.6	0.924	1.896	8.4	19.0
11 17	3 42.72	+22 42.7	0.896	1.883	2.5	18.6
11 27	3 34.34	+21 31.6	0.892	1.873	4.6	18.7
12 7	3 27.28	+20 20.0	0.910	1.865	10.7	19.0
12 17	3 23.02	+19 17.9	0.949	1.859	16.2	19.3
12 27	3 22.42	+18 32.5	1.007	1.855	20.9	19.6

222828 2002 ER_2 11 19.6 168.°15 1.°2/18.8 18

10 18	4 4.19	+16 10.2	2.798	3.639	9.6	21.4
10 28	3 58.24	+15 54.3	2.726	3.643	7.0	21.2
11 7	3 50.89	+15 36.3	2.680	3.646	4.0	21.0
11 17	3 42.71	+15 17.5	2.663	3.650	1.3	20.8
11 27	3 34.42	+15 0.1	2.678	3.652	2.9	21.0
12 7	3 26.73	+14 46.2	2.724	3.655	5.9	21.2
12 17	3 20.25	+14 37.6	2.798	3.656	8.6	21.3
12 27	3 15.44	+14 36.0	2.897	3.658	11.0	21.5

42772 1998 TJ_{34} 11 19.6 19°.02 3°.1/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 2.30	+13 14.8	1.784	2.648	13.1	18.0
10 28	3 57.44	+12 31.0	1.726	2.653	9.5	17.8
11 7	3 50.63	+11 46.4	1.691	2.659	5.7	17.6
11 17	3 42.67	+11 4.7	1.683	2.665	3.1	17.5
11 27	3 34.59	+10 30.6	1.704	2.672	5.1	17.6
12 7	3 27.44	+10 7.7	1.751	2.680	8.7	17.9
12 17	3 22.03	+ 9 58.2	1.824	2.688	12.2	18.1
12 27	3 18.92	+10 2.9	1.918	2.696	15.2	18.3

100410 1996 AZ_{10} 11 19.6 176°.80 2°.7/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 8.08	+14 21.8	1.779	2.633	13.6	20.4
10 28	4 1.70	+13 44.7	1.711	2.634	9.9	20.2
11 7	3 53.12	+13 5.2	1.668	2.636	5.9	20.0
11 17	3 43.20	+12 26.8	1.653	2.636	2.7	19.8
11 27	3 33.10	+11 53.7	1.666	2.637	4.9	19.9
12 7	3 23.98	+11 29.9	1.708	2.637	8.9	20.2
12 17	3 16.79	+11 18.2	1.775	2.636	12.7	20.4
12 27	3 12.15	+11 20.0	1.864	2.635	15.8	20.6

482579 2012 XR_{40} 11 19.6 310°.87 2°.4/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.41	+28 16.3	1.531	2.378	15.8	21.2
10 28	4 0.44	+27 46.2	1.447	2.362	12.0	20.9
11 7	3 52.71	+26 58.0	1.384	2.346	7.6	20.6
11 17	3 43.15	+25 52.1	1.347	2.331	3.2	20.3
11 27	3 33.17	+24 32.8	1.337	2.316	4.1	20.3
12 7	3 24.27	+23 7.9	1.354	2.302	8.8	20.6
12 17	3 17.68	+21 46.4	1.396	2.288	13.4	20.8
12 27	3 14.18	+20 36.3	1.460	2.274	17.4	21.0

466611 2014 VU_{3} 11 19.6 42°.19 4°.5/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.87	+34 0.7	2.174	2.982	13.1	20.8
10 28	4 0.06	+34 12.2	2.103	2.988	10.3	20.7
11 7	3 52.16	+34 8.6	2.055	2.993	7.4	20.5
11 17	3 43.00	+33 48.6	2.033	2.999	4.9	20.3
11 27	3 33.66	+33 13.2	2.040	3.005	4.8	20.3
12 7	3 25.25	+32 26.5	2.075	3.011	7.1	20.5
12 17	3 18.66	+31 33.9	2.138	3.017	10.0	20.7
12 27	3 14.50	+30 41.5	2.224	3.024	12.7	20.9

413276 2003 UV_{57} 11 19.6 19°.47 5°.6/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.61	+34 52.8	1.878	2.690	14.7	20.5
10 28	4 0.95	+35 24.0	1.811	2.695	11.7	20.4
11 7	3 52.83	+35 38.3	1.765	2.701	8.6	20.2
11 17	3 43.16	+35 33.1	1.746	2.707	6.1	20.0
11 27	3 33.23	+35 8.8	1.753	2.714	5.9	20.1
12 7	3 24.37	+34 29.5	1.787	2.721	8.2	20.2
12 17	3 17.64	+33 41.4	1.847	2.729	11.2	20.4
12 27	3 13.71	+32 51.5	1.930	2.737	14.1	20.6

399809 2005 SN_{79} 11 19.6 311°.01 8°.3/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.01	+ 0 2.2	1.890	2.740	13.1	21.1
10 28	3 57.18	− 1 43.2	1.829	2.733	10.6	21.0
11 7	3 50.50	− 3 20.4	1.794	2.725	8.8	20.8
11 17	3 42.68	− 4 41.5	1.785	2.718	8.5	20.8
11 27	3 34.68	− 5 39.9	1.802	2.712	9.9	20.9
12 7	3 27.47	− 6 11.8	1.844	2.705	12.3	21.0
12 17	3 21.84	− 6 17.0	1.909	2.698	14.9	21.2
12 27	3 18.39	− 5 57.7	1.992	2.692	17.2	21.4

409717 2006 BG_{205} 11 19.6 9°.58 6°.6/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.37	+ 3 21.9	1.808	2.665	13.3	20.4
10 28	3 57.45	+ 2 27.9	1.752	2.667	10.3	20.2
11 7	3 50.64	+ 1 41.9	1.720	2.669	7.7	20.1
11 17	3 42.70	+ 1 9.0	1.713	2.671	6.6	20.0
11 27	3 34.63	+ 0 53.8	1.734	2.674	8.0	20.1
12 7	3 27.43	+ 0 58.3	1.781	2.678	10.7	20.3
12 17	3 21.91	+ 1 22.3	1.851	2.681	13.6	20.5
12 27	3 18.62	+ 2 3.7	1.941	2.686	16.2	20.7

119259 2001 RC_{44} 11 19.6 92°.89 3°.5/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 7.84	+13 28.5	1.551	2.413	14.9	19.9
10 28	4 1.59	+12 36.1	1.500	2.426	10.8	19.7
11 7	3 53.04	+11 42.3	1.472	2.440	6.5	19.5
11 17	3 43.20	+10 51.9	1.471	2.453	3.5	19.3
11 27	3 33.33	+10 10.5	1.498	2.466	5.7	19.5
12 7	3 24.68	+ 9 42.3	1.552	2.479	9.7	19.8
12 17	3 18.18	+ 9 29.9	1.630	2.492	13.6	20.0
12 27	3 14.40	+ 9 33.7	1.729	2.504	16.7	20.3

358269 2006 TL_{109} 11 19.6 167°.22 1°.9/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 8.26	+25 0.4	2.072	2.905	12.8	21.1
10 28	4 1.80	+25 18.0	1.998	2.907	9.5	20.8
11 7	3 53.20	+25 27.1	1.948	2.908	5.9	20.6
11 17	3 43.26	+25 26.7	1.926	2.909	2.4	20.4
11 27	3 33.04	+25 18.1	1.933	2.910	3.3	20.5
12 7	3 23.69	+25 3.8	1.970	2.911	7.0	20.7
12 17	3 16.12	+24 47.8	2.034	2.912	10.5	20.9
12 27	3 11.00	+24 34.3	2.122	2.912	13.5	21.1

351829 2006 QY_{40} 11 19.6 199°.24 15°.0/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 23.96	+49 52.1	1.315	2.067	22.9	20.7
10 28	4 16.19	+51 35.0	1.249	2.066	20.3	20.5
11 7	4 2.86	+52 45.2	1.199	2.064	17.7	20.3
11 17	3 45.42	+53 8.7	1.168	2.062	15.7	20.2
11 27	3 26.86	+52 37.8	1.158	2.059	15.0	20.1
12 7	3 10.65	+51 17.3	1.170	2.056	16.0	20.2
12 17	2 59.29	+49 22.1	1.203	2.052	18.2	20.3
12 27	2 53.87	+47 11.7	1.254	2.048	20.9	20.5

132606 2002 KL_{9} 11 19.6 112°.37 5°.3/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.72	+ 5 16.7	2.180	3.023	11.9	21.0
10 28	4 0.11	+ 4 9.9	2.138	3.047	9.0	20.9
11 7	3 51.94	+ 3 8.7	2.121	3.070	6.4	20.8
11 17	3 42.95	+ 2 17.8	2.134	3.093	5.4	20.7
11 27	3 34.03	+ 1 41.2	2.175	3.115	6.7	20.9
12 7	3 26.03	+ 1 21.3	2.245	3.136	9.1	21.0
12 17	3 19.59	+ 1 18.4	2.341	3.156	11.7	21.3
12 27	3 15.16	+ 1 31.5	2.458	3.175	13.8	21.5

291719 2006 JK_{27} 11 19.6 341°.45 0°.8/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.12	+21 28.1	1.458	2.323	15.5	20.0
10 28	3 59.33	+20 31.2	1.388	2.317	11.3	19.7
11 7	3 51.97	+19 22.1	1.341	2.312	6.5	19.5
11 17	3 43.02	+18 4.8	1.319	2.307	1.4	19.1
11 27	3 33.81	+16 46.2	1.325	2.303	4.3	19.3
12 7	3 25.75	+15 34.0	1.357	2.299	9.3	19.6
12 17	3 19.90	+14 35.1	1.413	2.296	13.9	19.8
12 27	3 16.96	+13 53.8	1.490	2.294	17.6	20.1

43375 2000 WE_{36} 11 19.6 348°.99 7°.0/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.16	+ 6 11.4	1.030	1.914	18.8	17.5
10 28	4 1.52	+ 5 50.6	0.973	1.906	14.4	17.3
11 7	3 53.56	+ 5 40.4	0.935	1.900	9.8	17.0
11 17	3 43.39	+ 5 47.1	0.919	1.894	7.0	16.8
11 27	3 32.75	+ 6 15.2	0.926	1.890	9.1	16.9
12 7	3 23.50	+ 7 5.6	0.955	1.887	13.7	17.2
12 17	3 17.08	+ 8 16.1	1.005	1.885	18.4	17.4
12 27	3 14.36	+ 9 42.7	1.072	1.885	22.5	17.7

3305 Ceadams 11 19.6 135°.63 3°.1/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 11.71	+27 59.4	2.066	2.887	13.3	16.9
10 28	4 4.32	+28 32.5	1.998	2.897	10.1	16.7
11 7	3 54.65	+28 54.9	1.954	2.907	6.6	16.5
11 17	3 43.57	+29 4.6	1.939	2.916	3.6	16.3
11 27	3 32.25	+29 1.9	1.953	2.925	4.0	16.4
12 7	3 21.90	+28 49.6	1.997	2.934	7.2	16.6
12 17	3 13.51	+28 32.0	2.068	2.942	10.5	16.8
12 27	3 7.75	+28 14.2	2.163	2.950	13.4	17.0

72388 2001 CC_{16} 11 19.6 124°.25 4°.6/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 7.12	+ 7 59.9	1.815	2.669	13.4	19.5
10 28	4 0.90	+ 7 31.2	1.755	2.674	10.0	19.3
11 7	3 52.63	+ 7 6.9	1.719	2.679	6.6	19.1
11 17	3 43.14	+ 6 50.6	1.710	2.684	4.6	19.0
11 27	3 33.51	+ 6 45.8	1.730	2.689	6.2	19.1
12 7	3 24.82	+ 6 54.4	1.777	2.694	9.5	19.3
12 17	3 17.97	+ 7 16.9	1.850	2.698	12.8	19.5
12 27	3 13.52	+ 7 52.6	1.944	2.703	15.7	19.8

13005 Stankonyukhov 11 19.6 108°.28 4°.8/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 8.94	+35 51.2	2.456	3.245	12.4	18.2
10 28	4 2.10	+36 17.3	2.390	3.260	9.9	18.1
11 7	3 53.28	+36 28.9	2.347	3.274	7.3	18.0
11 17	3 43.27	+36 24.0	2.332	3.288	5.2	17.9
11 27	3 33.12	+36 3.0	2.347	3.302	5.1	17.9
12 7	3 23.88	+35 29.1	2.390	3.316	6.8	18.0
12 17	3 16.40	+34 47.1	2.461	3.329	9.3	18.2
12 27	3 11.25	+34 2.6	2.556	3.342	11.6	18.4

154610 2003 QD_{101} 11 19.6 74°.30 1°.2/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.65	+17 4.9	2.138	2.988	11.8	20.3
10 28	3 58.83	+16 41.8	2.084	3.006	8.5	20.2
11 7	3 51.31	+16 15.5	2.055	3.023	4.8	20.0
11 17	3 42.85	+15 48.0	2.054	3.040	1.4	19.8
11 27	3 34.36	+15 22.4	2.082	3.058	3.4	20.0
12 7	3 26.74	+15 1.7	2.140	3.075	7.0	20.2
12 17	3 20.71	+14 48.3	2.225	3.092	10.2	20.4
12 27	3 16.75	+14 43.9	2.333	3.109	12.9	20.7

294770 2008 CC_{33} 11 19.6 256°.79 0°.3/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.71	+19 53.7	1.950	2.800	12.8	21.4
10 28	3 59.96	+19 40.5	1.877	2.798	9.3	21.2
11 7	3 52.15	+19 21.4	1.828	2.796	5.4	21.0
11 17	3 43.05	+18 57.7	1.807	2.794	1.1	20.7
11 27	3 33.73	+18 32.1	1.814	2.793	3.3	20.8
12 7	3 25.27	+18 8.3	1.851	2.791	7.4	21.1
12 17	3 18.55	+17 49.8	1.914	2.789	11.2	21.3
12 27	3 14.22	+17 39.5	2.000	2.787	14.3	21.5

176980 2002 XE_{102} 11 19.6 34.°77 0.°9/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.61	+23 27.3	1.624	2.478	14.7	19.8
10 28	4 0.14	+23 8.3	1.563	2.485	10.8	19.6
11 7	3 52.32	+22 38.7	1.525	2.492	6.4	19.4
11 17	3 43.08	+22 0.1	1.513	2.500	1.7	19.1
11 27	3 33.72	+21 16.3	1.529	2.508	3.5	19.3
12 7	3 25.48	+20 32.6	1.572	2.517	8.0	19.6
12 17	3 19.36	+19 54.4	1.640	2.526	12.1	19.8
12 27	3 15.96	+19 25.9	1.731	2.535	15.5	20.1

78083 2002 LX_{21} 11 19.6 129.°41 0.°0/19.6 18

10 18	4 4.59	+20 37.2	2.469	3.309	10.8	20.2
10 28	3 58.72	+20 25.2	2.401	3.317	7.8	20.1
11 7	3 51.25	+20 7.8	2.359	3.325	4.5	19.9
11 17	3 42.85	+19 46.3	2.345	3.333	0.9	19.6
11 27	3 34.34	+19 22.8	2.362	3.341	2.6	19.8
12 7	3 26.56	+19 0.0	2.409	3.348	6.0	20.0
12 17	3 20.18	+18 40.8	2.485	3.355	9.1	20.2
12 27	3 15.72	+18 27.6	2.584	3.362	11.7	20.4

75069 1999 VW_{17} 11 19.6 288.°75 0.°5/19.9 18

10 18	4 7.46	+23 12.8	1.413	2.272	16.2	20.0
10 28	4 2.01	+22 42.8	1.337	2.261	12.0	19.7
11 7	3 53.67	+21 59.6	1.282	2.251	7.1	19.4
11 17	3 43.41	+21 4.9	1.253	2.240	1.7	19.1
11 27	3 32.73	+20 3.7	1.250	2.230	4.1	19.2
12 7	3 23.21	+19 3.1	1.274	2.220	9.5	19.5
12 17	3 16.12	+18 10.6	1.323	2.209	14.3	19.7
12 27	3 12.28	+17 31.9	1.391	2.200	18.4	20.0

395993 2013 BR_{40} 11 19.6 92.°49 6.°9/16.3 18

10 18	4 5.55	+ 1 45.2	1.865	2.713	13.4	20.7
10 28	3 59.65	+ 0 56.0	1.814	2.721	10.4	20.5
11 7	3 51.87	+ 0 16.3	1.786	2.729	7.9	20.4
11 17	3 42.99	− 0 9.0	1.784	2.737	6.9	20.4
11 27	3 34.05	− 0 16.0	1.811	2.745	8.2	20.5
12 7	3 26.03	− 0 3.3	1.863	2.753	10.7	20.6
12 17	3 19.74	+ 0 28.4	1.940	2.760	13.5	20.8
12 27	3 15.71	+ 1 16.5	2.037	2.768	15.9	21.0

464894 2005 QM_{142} 11 19.6 126.°90 4.°3/22.9 17

10 18	4 5.66	+36 32.8	3.106	3.885	10.3	21.7
10 28	3 59.48	+36 59.9	3.031	3.893	8.2	21.5
11 7	3 51.72	+37 15.1	2.980	3.900	6.2	21.4
11 17	3 42.97	+37 17.0	2.957	3.907	4.6	21.3
11 27	3 34.05	+37 5.5	2.963	3.914	4.5	21.3
12 7	3 25.75	+36 42.8	2.999	3.920	5.8	21.4
12 17	3 18.79	+36 12.2	3.064	3.927	7.8	21.6
12 27	3 13.68	+35 37.9	3.153	3.933	9.8	21.7

29346 Mariadina 11 19.6 204.°77 4.°8/16.3 18

10 18	4 4.31	+ 5 2.1	2.526	3.367	10.5	20.1
10 28	3 58.46	+ 4 9.9	2.453	3.362	8.0	19.9
11 7	3 51.11	+ 3 21.7	2.407	3.355	5.8	19.8
11 17	3 42.85	+ 2 41.4	2.389	3.349	4.8	19.7
11 27	3 34.43	+ 2 12.6	2.402	3.342	6.1	19.8
12 7	3 26.62	+ 1 57.8	2.443	3.334	8.4	19.9
12 17	3 20.09	+ 1 57.9	2.510	3.325	10.9	20.1
12 27	3 15.33	+ 2 12.5	2.599	3.316	13.2	20.2

383444 2006 WW_{52} 11 19.6 294.°24 0.°1/19.6 18

10 18	4 9.19	+19 6.7	1.409	2.270	16.1	21.5
10 28	4 3.49	+19 16.2	1.324	2.251	11.9	21.2
11 7	3 54.70	+19 20.5	1.261	2.231	7.0	20.9
11 17	3 43.69	+19 19.9	1.224	2.212	1.5	20.5
11 27	3 31.94	+19 16.1	1.213	2.192	4.3	20.6
12 7	3 21.14	+19 12.7	1.229	2.173	9.9	20.9
12 17	3 12.74	+19 13.7	1.269	2.154	14.9	21.1
12 27	3 7.73	+19 23.2	1.328	2.136	19.2	21.3

356970 1981 EG_{32} 11 19.6 249.°76 6.°2/14.7 18

10 18	4 3.85	+ 3 22.6	2.328	3.171	11.2	21.5
10 28	3 58.32	+ 1 53.5	2.248	3.153	8.8	21.4
11 7	3 51.13	+ 0 27.8	2.194	3.135	6.8	21.2
11 17	3 42.87	− 0 48.5	2.168	3.115	6.2	21.1
11 27	3 34.37	− 1 49.8	2.172	3.096	7.7	21.2
12 7	3 26.47	− 2 32.2	2.203	3.076	10.1	21.3
12 17	3 19.89	− 2 54.0	2.259	3.055	12.7	21.4
12 27	3 15.22	− 2 55.5	2.336	3.034	15.0	21.6

315732 2008 EH_{150} 11 19.6 354.°63 2.°9/18.0 17

10 18	4 3.52	+14 25.9	1.771	2.633	13.3	21.2
10 28	3 58.44	+13 37.5	1.704	2.632	9.7	21.0
11 7	3 51.30	+12 46.3	1.662	2.630	5.8	20.8
11 17	3 42.91	+11 56.4	1.646	2.629	2.9	20.6
11 27	3 34.34	+11 12.8	1.659	2.629	5.0	20.7
12 7	3 26.67	+10 39.9	1.699	2.628	8.9	20.9
12 17	3 20.80	+10 20.7	1.764	2.628	12.5	21.2
12 27	3 17.31	+10 16.5	1.851	2.629	15.7	21.4

12248 1988 RX_{12} 11 19.6 46.°21 3.°5/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 2.85	+12 25.1	1.936	2.796	12.4	17.5
10 28	3 57.70	+11 25.3	1.879	2.804	9.1	17.3
11 7	3 50.76	+10 24.8	1.846	2.812	5.6	17.1
11 17	3 42.78	+ 9 28.1	1.841	2.820	3.5	17.0
11 27	3 34.74	+ 8 40.2	1.865	2.829	5.3	17.1
12 7	3 27.57	+ 8 5.0	1.916	2.837	8.6	17.4
12 17	3 22.04	+ 7 44.7	1.993	2.846	11.8	17.6
12 27	3 18.65	+ 7 39.9	2.092	2.855	14.6	17.8

190941 2001 VA_{39} 11 19.6 269.°90 0.°7/19.9 18

10 18	4 8.91	+22 19.0	1.799	2.644	13.9	20.3
10 28	4 2.78	+22 14.4	1.704	2.621	10.4	20.0
11 7	3 54.06	+22 1.2	1.632	2.598	6.2	19.7
11 17	3 43.54	+21 39.5	1.587	2.574	1.6	19.4
11 27	3 32.43	+21 11.4	1.570	2.549	3.5	19.5
12 7	3 22.08	+20 41.0	1.583	2.524	8.3	19.7
12 17	3 13.67	+20 13.2	1.621	2.499	12.7	19.9
12 27	3 8.07	+19 52.9	1.682	2.474	16.4	20.1

165523 2001 CF_{20} 11 19.6 211.°12 0.°3/19.7 18

10 18	4 9.42	+19 52.6	2.015	2.856	12.8	19.8
10 28	4 2.71	+20 6.6	1.936	2.852	9.4	19.5
11 7	3 53.79	+20 16.1	1.881	2.847	5.5	19.3
11 17	3 43.45	+20 20.8	1.855	2.842	1.2	19.0
11 27	3 32.77	+20 22.0	1.859	2.837	3.2	19.1
12 7	3 22.90	+20 21.9	1.892	2.832	7.3	19.4
12 17	3 14.81	+20 23.4	1.953	2.826	11.1	19.6
12 27	3 9.20	+20 29.4	2.037	2.819	14.3	19.8

251449 Olexakorol′ 11 19.6 267.°49 4.°6/16.9 18

10 18	4 4.18	+ 8 27.0	1.998	2.853	12.3	20.3
10 28	3 58.79	+ 7 37.8	1.923	2.842	9.2	20.1
11 7	3 51.48	+ 6 50.8	1.871	2.831	6.2	19.9
11 17	3 42.97	+ 6 10.2	1.848	2.819	4.6	19.8
11 27	3 34.20	+ 5 40.7	1.853	2.808	6.2	19.9
12 7	3 26.16	+ 5 25.4	1.885	2.796	9.4	20.0
12 17	3 19.69	+ 5 26.0	1.943	2.785	12.6	20.2
12 27	3 15.41	+ 5 42.5	2.022	2.773	15.4	20.4

325510 2009 RD_{53} 11 19.6 49.°66 3.°6/17.4 18

10 18	4 2.71	+11 41.1	2.006	2.865	12.1	20.0
10 28	3 57.55	+10 44.3	1.949	2.873	8.9	19.8
11 7	3 50.66	+ 9 47.5	1.916	2.880	5.5	19.7
11 17	3 42.78	+ 8 55.2	1.911	2.888	3.6	19.6
11 27	3 34.81	+ 8 11.7	1.934	2.897	5.3	19.7
12 7	3 27.70	+ 7 40.7	1.986	2.905	8.5	19.9
12 17	3 22.15	+ 7 24.3	2.063	2.913	11.6	20.1
12 27	3 18.69	+ 7 22.8	2.162	2.922	14.3	20.3

70167 1999 NN_{53} 11 19.6 37.°20 1.°4/18.9 18

10 18	4 5.98	+21 57.2	1.142	2.016	18.1	17.8
10 28	4 0.63	+20 27.6	1.109	2.042	13.0	17.6
11 7	3 52.57	+18 46.0	1.097	2.069	7.3	17.4
11 17	3 43.14	+17 0.2	1.110	2.097	1.8	17.2
11 27	3 34.01	+15 20.5	1.149	2.126	4.9	17.5
12 7	3 26.60	+13 56.3	1.213	2.156	10.1	17.8
12 17	3 21.84	+12 53.5	1.301	2.186	14.6	18.2
12 27	3 20.17	+12 14.0	1.409	2.217	18.2	18.5

443478 2014 JQ_{9} 11 19.6 63.°12 2.°7/17.9 18

10 18	4 4.69	+16 23.4	1.737	2.597	13.6	20.9
10 28	3 59.23	+15 6.2	1.676	2.603	9.8	20.6
11 7	3 51.72	+13 43.5	1.640	2.609	5.8	20.4
11 17	3 43.02	+12 20.5	1.632	2.615	2.8	20.2
11 27	3 34.25	+11 4.0	1.652	2.621	5.0	20.4
12 7	3 26.51	+10 0.1	1.700	2.628	9.0	20.7
12 17	3 20.65	+ 9 12.8	1.773	2.634	12.7	20.9
12 27	3 17.21	+ 8 44.0	1.869	2.640	15.8	21.1

516526 2006 RB_{42} 11 19.6 66.°13 2.°4/18.3 18

10 18	4 4.74	+15 25.7	1.856	2.713	13.0	21.1
10 28	3 59.25	+14 41.0	1.790	2.715	9.4	20.9
11 7	3 51.75	+13 53.0	1.748	2.716	5.5	20.6
11 17	3 43.04	+13 5.1	1.734	2.718	2.4	20.4
11 27	3 34.19	+12 22.0	1.748	2.720	4.5	20.6
12 7	3 26.25	+11 47.9	1.791	2.722	8.4	20.8
12 17	3 20.06	+11 25.9	1.859	2.724	12.0	21.0
12 27	3 16.22	+11 17.7	1.950	2.725	15.1	21.3

105626 2000 SW_{4} 11 19.6 55.°73 12.°5/21.1 18

10 18	4 27.45	+35 56.2	1.074	1.894	22.9	19.5
10 28	4 18.93	+39 2.8	1.021	1.902	19.0	19.3
11 7	4 4.71	+41 50.9	0.987	1.909	15.2	19.1
11 17	3 46.00	+44 1.4	0.976	1.917	12.7	19.0
11 27	3 25.66	+45 20.8	0.990	1.926	13.0	19.1
12 7	3 7.29	+45 49.5	1.026	1.934	15.6	19.2
12 17	2 53.73	+45 40.5	1.084	1.943	19.0	19.5
12 27	2 46.40	+45 12.0	1.158	1.952	22.3	19.7

145514 2006 DN_{119} 11 19.6 179°.28 1°.3/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 4.67	+14 53.6	2.776	3.616	9.7	20.5
10 28	3 58.67	+14 48.6	2.700	3.617	7.0	20.4
11 7	3 51.24	+14 42.6	2.651	3.618	4.1	20.2
11 17	3 42.94	+14 36.7	2.632	3.618	1.5	20.0
11 27	3 34.48	+14 32.7	2.645	3.618	3.0	20.1
12 7	3 26.59	+14 32.1	2.687	3.618	6.0	20.3
12 17	3 19.92	+14 36.6	2.759	3.617	8.7	20.5
12 27	3 14.93	+14 47.3	2.855	3.616	11.1	20.7

393146 2013 BP_{71} 11 19.6 239°.94 3°.5/17.7 18

10 18	4 5.96	+11 48.5	1.901	2.756	12.8	20.9
10 28	4 0.18	+11 5.3	1.825	2.748	9.5	20.6
11 7	3 52.34	+10 21.5	1.774	2.739	5.9	20.4
11 17	3 43.19	+ 9 41.0	1.751	2.730	3.5	20.2
11 27	3 33.77	+ 9 8.4	1.756	2.721	5.4	20.3
12 7	3 25.17	+ 8 47.2	1.789	2.711	9.0	20.5
12 17	3 18.27	+ 8 39.9	1.848	2.701	12.6	20.7
12 27	3 13.73	+ 8 47.3	1.928	2.691	15.7	20.9

447415 2006 BK_{208} 11 19.6 275°.28 20°.5/ 8.6 17

10 18	4 8.90	−17 29.7	1.076	1.899	22.7	20.7
10 28	4 3.42	−20 6.0	1.040	1.890	21.2	20.6
11 7	3 54.61	−22 5.9	1.020	1.880	20.5	20.5
11 17	3 43.69	−23 13.9	1.017	1.871	20.9	20.5
11 27	3 32.44	−23 20.5	1.031	1.861	22.2	20.6
12 7	3 22.69	−22 26.3	1.061	1.852	24.2	20.7
12 17	3 15.80	−20 39.5	1.103	1.842	26.3	20.8
12 27	3 12.57	−18 12.2	1.157	1.833	28.4	21.0

454250 2013 NO_{9} 11 19.6 175°.16 0°.1/19.7 18

10 18	4 3.97	+21 27.3	2.729	3.564	10.0	22.3
10 28	3 58.21	+21 6.9	2.653	3.566	7.3	22.1
11 7	3 50.98	+20 40.8	2.602	3.568	4.2	21.9
11 17	3 42.89	+20 10.1	2.581	3.569	0.9	21.7
11 27	3 34.67	+19 37.0	2.592	3.570	2.4	21.8
12 7	3 27.08	+19 4.5	2.632	3.570	5.6	22.0
12 17	3 20.75	+18 35.5	2.701	3.570	8.5	22.2
12 27	3 16.18	+18 12.6	2.796	3.570	11.0	22.4

314978 2006 XO_{21} 11 19.6 292°.64 0°.2/19.7 17

10 18	4 4.88	+21 43.2	1.910	2.759	13.0	21.6
10 28	3 59.56	+21 22.6	1.825	2.745	9.6	21.3
11 7	3 52.07	+20 53.6	1.763	2.731	5.6	21.1
11 17	3 43.15	+20 17.5	1.729	2.717	1.2	20.7
11 27	3 33.89	+19 37.6	1.724	2.703	3.3	20.9
12 7	3 25.42	+18 58.2	1.747	2.689	7.6	21.1
12 17	3 18.70	+18 24.0	1.796	2.675	11.6	21.3
12 27	3 14.44	+17 58.8	1.868	2.661	15.0	21.5

491463 2012 GZ_{35} 11 19.6 182°.24 2°.1/20.9 17

10 18	4 6.24	+27 4.2	2.754	3.572	10.4	21.8
10 28	3 59.97	+27 19.8	2.673	3.572	7.8	21.7
11 7	3 52.06	+27 27.4	2.618	3.572	5.0	21.5
11 17	3 43.13	+27 26.3	2.592	3.572	2.5	21.3
11 27	3 33.98	+27 17.3	2.597	3.571	2.9	21.3
12 7	3 25.45	+27 2.5	2.632	3.570	5.6	21.5
12 17	3 18.27	+26 44.8	2.696	3.569	8.4	21.7
12 27	3 12.97	+26 27.7	2.786	3.568	10.9	21.9

426084 2012 DO_{39} 11 19.6 192°.12 0°.3/19.5 16

10 18	4 10.40	+20 57.9	1.655	2.504	14.7	22.5
10 28	4 3.71	+20 29.8	1.583	2.503	10.8	22.3
11 7	3 54.48	+19 52.5	1.533	2.501	6.2	22.0
11 17	3 43.66	+19 8.1	1.511	2.499	1.3	21.7
11 27	3 32.57	+18 20.7	1.518	2.496	3.8	21.8
12 7	3 22.59	+17 35.8	1.553	2.493	8.6	22.1
12 17	3 14.80	+16 58.6	1.613	2.488	12.9	22.4
12 27	3 9.90	+16 33.4	1.696	2.484	16.5	22.6

191637 2004 PX_{18} 11 19.6 83°.65 7°.7/16.1 18

10 18	4 6.64	+ 2 40.0	1.569	2.425	15.0	19.6
10 28	4 0.71	+ 1 30.7	1.523	2.436	11.7	19.5
11 7	3 52.60	+ 0 31.1	1.499	2.446	8.8	19.3
11 17	3 43.24	− 0 12.0	1.501	2.456	7.7	19.3
11 27	3 33.84	− 0 33.3	1.530	2.466	9.2	19.4
12 7	3 25.57	− 0 30.7	1.583	2.476	12.1	19.6
12 17	3 19.31	− 0 5.3	1.660	2.486	15.1	19.8
12 27	3 15.64	+ 0 40.0	1.756	2.496	17.8	20.0

104803 2000 HJ_{43} 11 19.6 276°.63 0°.8/19.3 18

10 18	4 8.44	+18 32.8	1.579	2.436	14.9	19.7
10 28	4 2.60	+18 21.4	1.494	2.419	11.0	19.4
11 7	3 54.04	+18 4.1	1.433	2.402	6.4	19.1
11 17	3 43.62	+17 42.4	1.397	2.384	1.5	18.7
11 27	3 32.64	+17 19.4	1.389	2.367	4.2	18.9
12 7	3 22.56	+16 59.3	1.408	2.349	9.2	19.1
12 17	3 14.62	+16 46.6	1.453	2.331	13.8	19.3
12 27	3 9.68	+16 44.6	1.518	2.313	17.7	19.6

312940 1994 UC_{10} 11 19.6 150°.11 1°.2/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.62	+24 38.0	2.602	3.430	10.7	21.4
10 28	3 59.47	+24 29.7	2.530	3.438	7.9	21.3
11 7	3 51.74	+24 13.7	2.484	3.445	4.7	21.1
11 17	3 43.07	+23 50.5	2.466	3.452	1.6	20.9
11 27	3 34.28	+23 22.0	2.480	3.458	2.6	20.9
12 7	3 26.20	+22 51.1	2.524	3.464	5.7	21.2
12 17	3 19.53	+22 21.2	2.596	3.470	8.7	21.4
12 27	3 14.76	+21 55.5	2.694	3.475	11.2	21.6

17116 1999 JO_{57} 11 19.6 159°.33 1°.3/18.9 18

10 18	4 5.32	+16 47.5	2.064	2.915	12.1	17.9
10 28	3 59.56	+16 27.3	1.994	2.916	8.8	17.7
11 7	3 51.92	+16 3.7	1.949	2.917	5.1	17.5
11 17	3 43.13	+15 38.8	1.932	2.918	1.6	17.3
11 27	3 34.16	+15 15.6	1.944	2.919	3.6	17.4
12 7	3 26.00	+14 57.0	1.985	2.920	7.4	17.7
12 17	3 19.46	+14 46.0	2.053	2.921	10.9	17.9
12 27	3 15.12	+14 44.3	2.144	2.921	13.8	18.1

29097 1981 EC_{12} 11 19.6 275°.57 1°.6/20.4 18

10 18	4 7.78	+25 34.6	1.570	2.418	15.4	19.1
10 28	4 2.09	+25 13.3	1.492	2.409	11.6	18.9
11 7	3 53.69	+24 38.0	1.436	2.401	7.0	18.6
11 17	3 43.54	+23 49.4	1.406	2.392	2.4	18.3
11 27	3 33.01	+22 51.3	1.404	2.383	3.8	18.4
12 7	3 23.58	+21 50.2	1.429	2.374	8.6	18.6
12 17	3 16.42	+20 53.2	1.479	2.366	13.1	18.9
12 27	3 12.30	+20 6.6	1.551	2.357	17.0	19.1

475925 2007 EB_{46} 11 19.6 197°.17 0°.3/19.8 18

10 18	4 8.98	+21 38.3	1.903	2.746	13.4	22.5
10 28	4 2.45	+21 23.3	1.827	2.743	9.8	22.2
11 7	3 53.69	+21 0.2	1.775	2.741	5.7	22.0
11 17	3 43.52	+20 30.2	1.750	2.738	1.3	21.7
11 27	3 33.08	+19 56.1	1.755	2.734	3.3	21.8
12 7	3 23.57	+19 22.1	1.789	2.730	7.6	22.1
12 17	3 15.96	+18 52.7	1.850	2.725	11.5	22.3
12 27	3 10.91	+18 31.6	1.934	2.719	14.8	22.5

370511 2003 SA_{187} 11 19.6 98°.97 1°.4/20.1 17

10 18	4 14.49	+22 50.3	1.469	2.315	16.4	20.9
10 28	4 6.72	+23 2.9	1.419	2.336	12.1	20.7
11 7	3 56.18	+23 5.8	1.391	2.356	7.1	20.5
11 17	3 44.02	+22 58.4	1.390	2.376	2.2	20.2
11 27	3 31.84	+22 43.1	1.417	2.396	3.9	20.4
12 7	3 21.16	+22 24.2	1.472	2.415	8.7	20.7
12 17	3 13.11	+22 7.0	1.552	2.433	12.9	21.0
12 27	3 8.30	+21 56.1	1.654	2.451	16.4	21.3

14732 2000 DX_{71} 11 19.6 58°.64 0°.3/19.8 18

10 18	4 4.91	+21 31.5	2.088	2.934	12.2	18.1
10 28	3 59.16	+21 20.0	2.033	2.951	8.9	17.9
11 7	3 51.62	+21 1.9	2.002	2.969	5.1	17.7
11 17	3 43.05	+20 38.5	1.999	2.987	1.2	17.4
11 27	3 34.45	+20 12.4	2.026	3.004	2.9	17.6
12 7	3 26.76	+19 47.0	2.081	3.023	6.6	17.9
12 17	3 20.72	+19 25.5	2.164	3.041	10.0	18.1
12 27	3 16.86	+19 10.9	2.270	3.059	12.8	18.4

20796 Philipmunoz 11 19.6 304°.66 0°.9/20.1 18 R

10 18	4 4.83	+23 21.3	1.940	2.786	13.0	18.5
10 28	3 59.49	+23 7.5	1.860	2.777	9.6	18.3
11 7	3 52.02	+22 44.7	1.803	2.768	5.7	18.0
11 17	3 43.18	+22 13.6	1.773	2.760	1.6	17.8
11 27	3 34.05	+21 36.9	1.772	2.751	3.2	17.9
12 7	3 25.73	+20 58.9	1.800	2.743	7.3	18.1
12 17	3 19.18	+20 24.2	1.854	2.735	11.2	18.3
12 27	3 15.06	+19 56.9	1.931	2.727	14.4	18.5

475315 2005 YW_{100} 11 19.6 343°.67 0°.4/19.8 18

10 18	4 4.52	+22 7.1	1.235	2.108	17.2	21.2
10 28	4 0.18	+21 49.5	1.167	2.099	12.7	20.9
11 7	3 52.79	+21 20.3	1.120	2.091	7.5	20.6
11 17	3 43.37	+20 41.1	1.096	2.083	1.7	20.2
11 27	3 33.53	+19 56.6	1.097	2.077	4.3	20.4
12 7	3 24.93	+19 13.6	1.123	2.072	9.9	20.7
12 17	3 18.91	+18 38.7	1.172	2.068	15.0	21.0
12 27	3 16.29	+18 17.0	1.241	2.065	19.3	21.2

520805 2014 TX_{29} 11 19.6 85°.90 2°.0/18.8 18

10 18	4 6.54	+12 23.2	2.342	3.186	11.1	20.7
10 28	4 0.21	+12 32.8	2.277	3.194	8.1	20.5
11 7	3 52.21	+12 43.6	2.237	3.203	4.8	20.3
11 17	3 43.21	+12 56.7	2.227	3.211	2.1	20.1
11 27	3 34.06	+13 13.3	2.247	3.219	3.6	20.2
12 7	3 25.64	+13 34.5	2.297	3.227	6.9	20.5
12 17	3 18.68	+14 1.1	2.375	3.235	9.9	20.7
12 27	3 13.69	+14 33.6	2.478	3.243	12.5	20.9

486596 2013 JR_{47} 11 19.6 107°.66 4°.0/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.04	+ 6 59.9	2.374	3.219	11.0	21.2
10 28	3 59.00	+ 6 36.6	2.319	3.232	8.2	21.0
11 7	3 51.45	+ 6 17.7	2.290	3.246	5.5	20.9
11 17	3 43.04	+ 6 5.7	2.289	3.259	4.0	20.8
11 27	3 34.58	+ 6 3.1	2.318	3.272	5.2	20.9
12 7	3 26.87	+ 6 11.3	2.376	3.285	7.8	21.1
12 17	3 20.56	+ 6 30.7	2.460	3.297	10.4	21.3
12 27	3 16.10	+ 7 0.6	2.568	3.310	12.7	21.5

364560 2007 HQ_{17} 11 19.6 91°.70 6°.0/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.44	+ 1 46.8	2.547	3.384	10.6	20.7
10 28	3 57.64	+ 0 16.3	2.511	3.410	8.3	20.6
11 7	3 50.57	− 1 6.8	2.502	3.436	6.5	20.6
11 17	3 42.84	− 2 17.6	2.523	3.462	6.0	20.6
11 27	3 35.18	− 3 12.0	2.572	3.486	7.1	20.7
12 7	3 28.25	− 3 47.9	2.650	3.511	9.0	20.8
12 17	3 22.62	− 4 4.9	2.752	3.535	11.0	21.0
12 27	3 18.65	− 4 4.3	2.876	3.559	12.7	21.2

356729 2011 UM_{187} 11 19.6 50°.48 0°.0/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.65	+23 47.2	1.645	2.497	14.6	19.7
10 28	4 0.10	+22 43.2	1.585	2.507	10.7	19.5
11 7	3 52.30	+21 26.5	1.549	2.517	6.2	19.2
11 17	3 43.24	+20 1.0	1.539	2.527	1.3	18.9
11 27	3 34.16	+18 33.2	1.559	2.538	3.6	19.1
12 7	3 26.26	+17 10.7	1.606	2.548	8.2	19.4
12 17	3 20.44	+16 0.0	1.680	2.559	12.2	19.7
12 27	3 17.24	+15 5.3	1.775	2.570	15.6	19.9

145187 2005 JW_{22} 11 19.6 125°.11 0°.7/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.81	+23 45.0	2.047	2.886	12.7	20.3
10 28	4 0.64	+23 16.9	1.981	2.895	9.3	20.1
11 7	3 52.53	+22 39.4	1.940	2.904	5.5	19.9
11 17	3 43.29	+21 54.0	1.926	2.913	1.5	19.6
11 27	3 33.97	+21 4.1	1.943	2.921	3.0	19.8
12 7	3 25.60	+20 14.3	1.988	2.930	6.9	20.0
12 17	3 18.99	+19 29.4	2.061	2.938	10.4	20.3
12 27	3 14.70	+18 53.2	2.158	2.945	13.4	20.5

99739 2002 JT_{64} 11 19.6 245°.38 0°.7/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 8.15	+18 17.7	1.936	2.783	13.0	19.4
10 28	4 1.93	+18 11.3	1.851	2.771	9.5	19.2
11 7	3 53.47	+18 0.4	1.791	2.759	5.5	18.9
11 17	3 43.54	+17 46.2	1.759	2.747	1.2	18.6
11 27	3 33.21	+17 30.9	1.756	2.734	3.5	18.7
12 7	3 23.67	+17 17.7	1.783	2.721	7.8	19.0
12 17	3 15.90	+17 9.9	1.835	2.707	11.7	19.2
12 27	3 10.63	+17 10.1	1.911	2.693	15.1	19.4

286822 2002 LN_{61} 11 19.6 44°.09 8°.7/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 8.51	− 1 4.4	1.430	2.281	16.5	19.7
10 28	4 2.18	− 1 32.1	1.390	2.297	13.0	19.5
11 7	3 53.49	− 1 43.5	1.373	2.313	10.0	19.4
11 17	3 43.49	− 1 33.8	1.379	2.330	8.7	19.3
11 27	3 33.52	− 1 0.3	1.411	2.347	9.9	19.4
12 7	3 24.86	− 0 4.0	1.469	2.365	12.6	19.7
12 17	3 18.42	+ 1 11.4	1.549	2.383	15.6	19.9
12 27	3 14.78	+ 2 41.1	1.649	2.401	18.3	20.1

213064 1999 RX_{121} 11 19.6 58°.07 4°.5/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 10.47	+13 30.7	1.135	2.009	18.2	19.6
10 28	4 3.80	+12 17.5	1.107	2.039	13.1	19.4
11 7	3 54.40	+11 4.3	1.101	2.070	7.9	19.2
11 17	3 43.65	+ 9 58.7	1.119	2.100	4.5	19.1
11 27	3 33.24	+ 9 7.9	1.163	2.131	7.0	19.4
12 7	3 24.64	+ 8 36.9	1.231	2.161	11.4	19.7
12 17	3 18.78	+ 8 27.1	1.323	2.192	15.6	20.1
12 27	3 16.13	+ 8 37.3	1.433	2.222	18.9	20.4

458635 2011 FV_{152} 11 19.6 346°.50 13°.3/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.84	+ 6 36.6	0.837	1.737	20.4	19.8
10 28	3 59.36	+ 2 17.2	0.794	1.731	16.2	19.6
11 7	3 52.41	− 2 3.1	0.773	1.725	13.5	19.4
11 17	3 43.32	− 5 56.3	0.774	1.721	14.1	19.4
11 27	3 34.02	− 8 57.1	0.797	1.718	17.5	19.6
12 7	3 26.40	−10 53.0	0.839	1.715	21.6	19.8
12 17	3 21.78	−11 44.8	0.896	1.714	25.5	20.1
12 27	3 20.87	−11 41.8	0.965	1.714	28.7	20.4

108674 2001 OU_{4} 11 19.6 77°.60 4°.1/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.65	+10 31.3	1.822	2.680	13.2	19.8
10 28	3 59.78	+ 9 40.7	1.773	2.696	9.7	19.6
11 7	3 52.01	+ 8 51.8	1.749	2.712	6.1	19.5
11 17	3 43.19	+ 8 9.1	1.752	2.728	4.1	19.4
11 27	3 34.36	+ 7 36.9	1.783	2.744	5.8	19.5
12 7	3 26.54	+ 7 18.5	1.842	2.760	9.1	19.7
12 17	3 20.50	+ 7 15.1	1.926	2.776	12.3	20.0
12 27	3 16.77	+ 7 26.5	2.031	2.792	15.0	20.2

323582 2004 TF_{205} 11 19.6 65°.38 0°.4/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.67	+20 52.1	2.141	2.989	11.9	20.8
10 28	3 58.31	+20 11.3	2.072	2.992	8.6	20.6
11 7	3 51.19	+19 23.1	2.028	2.996	4.9	20.3
11 17	3 43.03	+18 30.1	2.012	3.000	1.0	20.1
11 27	3 34.76	+17 36.2	2.026	3.004	3.1	20.2
12 7	3 27.30	+16 45.8	2.069	3.008	6.9	20.5
12 17	3 21.42	+16 2.9	2.139	3.012	10.3	20.7
12 27	3 17.64	+15 30.6	2.233	3.016	13.2	20.9

312318 2008 CJ_{120} 11 19.6 233°.97 4°.2/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.84	+ 7 11.0	2.286	3.131	11.3	20.8
10 28	3 59.84	+ 6 44.5	2.207	3.121	8.5	20.6
11 7	3 52.10	+ 6 21.6	2.154	3.110	5.7	20.4
11 17	3 43.25	+ 6 5.7	2.128	3.099	4.2	20.3
11 27	3 34.14	+ 5 59.5	2.133	3.087	5.6	20.3
12 7	3 25.68	+ 6 5.2	2.166	3.075	8.4	20.5
12 17	3 18.63	+ 6 23.4	2.225	3.063	11.4	20.7
12 27	3 13.57	+ 6 53.9	2.308	3.050	14.0	20.8

299006 2004 XW_{96} 11 19.6 191°.28 6°.0/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 11.45	+39 48.2	2.224	2.998	14.0	20.7
10 28	4 4.31	+39 51.4	2.141	2.997	11.4	20.5
11 7	3 54.79	+39 34.6	2.080	2.995	8.7	20.4
11 17	3 43.81	+38 55.5	2.045	2.993	6.5	20.2
11 27	3 32.64	+37 55.0	2.039	2.990	6.1	20.2
12 7	3 22.54	+36 37.7	2.062	2.986	7.8	20.3
12 17	3 14.54	+35 11.0	2.112	2.983	10.5	20.5
12 27	3 9.27	+33 43.3	2.187	2.978	13.1	20.6

213610 2002 PR_{121} 11 19.6 72°.51 0°.1/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 10.02	+22 3.2	1.341	2.200	16.9	20.2
10 28	4 3.55	+21 22.4	1.294	2.219	12.3	20.0
11 7	3 54.37	+20 30.6	1.269	2.238	7.0	19.8
11 17	3 43.70	+19 31.1	1.270	2.258	1.5	19.5
11 27	3 33.11	+18 29.9	1.298	2.277	4.1	19.7
12 7	3 24.06	+17 34.2	1.353	2.296	9.2	20.1
12 17	3 17.59	+16 49.9	1.432	2.315	13.7	20.4
12 27	3 14.27	+16 20.7	1.532	2.334	17.3	20.7

151686 2003 AP_{39} 11 19.7 309°.48 5°.6/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.21	+ 8 53.9	1.426	2.295	15.5	19.4
10 28	4 0.92	+ 8 2.3	1.360	2.286	11.7	19.2
11 7	3 53.04	+ 7 13.3	1.315	2.278	7.7	18.9
11 17	3 43.49	+ 6 33.0	1.296	2.270	5.6	18.8
11 27	3 33.59	+ 6 7.5	1.303	2.263	7.6	18.9
12 7	3 24.75	+ 6 0.7	1.335	2.255	11.6	19.1
12 17	3 18.08	+ 6 14.0	1.390	2.248	15.6	19.3
12 27	3 14.34	+ 6 46.6	1.464	2.242	19.1	19.6

225125 2008 EP_{137} 11 19.7 148°.77 1°.7/18.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 9.97	+16 29.7	1.830	2.679	13.6	22.2
10 28	4 3.06	+16 1.1	1.767	2.688	9.8	22.0
11 7	3 53.99	+15 28.6	1.729	2.697	5.7	21.8
11 17	3 43.66	+14 55.0	1.719	2.705	1.9	21.6
11 27	3 33.20	+14 23.8	1.738	2.712	4.1	21.7
12 7	3 23.79	+13 59.0	1.786	2.719	8.2	22.0
12 17	3 16.33	+13 43.6	1.861	2.725	12.0	22.2
12 27	3 11.42	+13 39.7	1.958	2.731	15.1	22.5

75578 2000 AV_{11} 11 19.7 264°.86 2°.1/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 9.26	+25 53.6	1.529	2.375	15.9	19.4
10 28	4 3.32	+25 47.9	1.450	2.366	11.9	19.1
11 7	3 54.52	+25 28.6	1.394	2.357	7.4	18.8
11 17	3 43.82	+24 55.6	1.363	2.348	2.9	18.5
11 27	3 32.67	+24 11.3	1.360	2.339	4.0	18.6
12 7	3 22.63	+23 21.8	1.384	2.329	8.8	18.8
12 17	3 14.97	+22 33.8	1.433	2.320	13.4	19.1
12 27	3 10.50	+21 54.2	1.503	2.310	17.3	19.3

169431 2002 AK_{26} 11 19.7 37°.12 2°.2/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 10.31	+24 55.9	1.222	2.082	18.2	20.0
10 28	4 4.42	+25 1.3	1.163	2.086	13.6	19.7
11 7	3 55.24	+24 52.9	1.124	2.090	8.3	19.4
11 17	3 43.97	+24 30.3	1.109	2.094	3.0	19.1
11 27	3 32.39	+23 56.4	1.119	2.099	4.5	19.2
12 7	3 22.32	+23 17.7	1.155	2.103	9.8	19.6
12 17	3 15.15	+22 41.5	1.214	2.108	14.7	19.9
12 27	3 11.63	+22 14.3	1.293	2.114	18.9	20.1

214020 2004 DG_{12} 11 19.7 180°.17 4°.1/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 10.03	+31 31.4	2.180	2.990	13.1	20.7
10 28	4 3.25	+32 2.3	2.102	2.991	10.2	20.5
11 7	3 54.22	+32 20.8	2.049	2.991	7.1	20.4
11 17	3 43.74	+32 24.4	2.022	2.991	4.5	20.2
11 27	3 32.93	+32 13.2	2.025	2.991	4.6	20.2
12 7	3 22.98	+31 50.1	2.056	2.991	7.2	20.4
12 17	3 14.87	+31 19.7	2.115	2.990	10.3	20.6
12 27	3 9.32	+30 47.8	2.198	2.989	13.1	20.8

116714 2004 DO_6 11 19.7 149°.81 5°.1/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 4.73	+ 3 27.7	2.548	3.386	10.5	20.5
10 28	3 58.72	+ 2 35.3	2.492	3.396	8.1	20.4
11 7	3 51.30	+ 1 48.6	2.462	3.405	6.0	20.3
11 17	3 43.08	+ 1 11.4	2.460	3.414	5.2	20.3
11 27	3 34.82	+ 0 46.9	2.489	3.423	6.3	20.3
12 7	3 27.23	+ 0 37.2	2.546	3.430	8.4	20.5
12 17	3 20.94	+ 0 42.4	2.629	3.437	10.7	20.7
12 27	3 16.38	+ 1 1.7	2.734	3.444	12.7	20.8

485356 2011 CY_{70} 11 19.7 104°.00 4°.5/16.7 18

10 18	4 2.32	+ 6 24.5	2.444	3.292	10.6	20.9
10 28	3 57.07	+ 5 35.2	2.387	3.300	8.0	20.7
11 7	3 50.39	+ 4 49.9	2.355	3.309	5.6	20.6
11 17	3 42.90	+ 4 12.2	2.352	3.317	4.5	20.6
11 27	3 35.34	+ 3 45.4	2.378	3.325	5.7	20.6
12 7	3 28.45	+ 3 31.8	2.433	3.333	8.1	20.8
12 17	3 22.85	+ 3 32.1	2.513	3.341	10.5	21.0
12 27	3 18.98	+ 3 46.0	2.616	3.348	12.7	21.2

343719 2011 ES_{67} 11 19.7 102°.01 3°.4/17.9 18

10 18	4 8.81	+13 13.9	1.688	2.544	14.1	20.8
10 28	4 2.18	+12 20.5	1.640	2.563	10.3	20.6
11 7	3 53.43	+11 26.3	1.616	2.582	6.2	20.4
11 17	3 43.54	+10 35.7	1.619	2.600	3.4	20.3
11 27	3 33.68	+ 9 53.7	1.651	2.618	5.4	20.4
12 7	3 25.00	+ 9 24.5	1.711	2.636	9.2	20.7
12 17	3 18.34	+ 9 10.1	1.796	2.653	12.7	20.9
12 27	3 14.23	+ 9 11.2	1.903	2.669	15.7	21.2

118673 2000 KU_{68} 11 19.7 17°.20 5°.4/17.3 18

10 18	4 5.74	+ 9 49.1	1.338	2.211	16.1	19.8
10 28	4 0.56	+ 8 50.6	1.284	2.213	12.0	19.6
11 7	3 52.79	+ 7 54.4	1.251	2.216	7.8	19.4
11 17	3 43.44	+ 7 6.9	1.243	2.219	5.5	19.2
11 27	3 33.92	+ 6 34.7	1.260	2.222	7.5	19.4
12 7	3 25.61	+ 6 21.7	1.303	2.226	11.6	19.6
12 17	3 19.58	+ 6 29.4	1.368	2.231	15.6	19.9
12 27	3 16.51	+ 6 56.6	1.452	2.235	19.0	20.1

418244 2008 DN_{56} 11 19.7 242°.57 5°.2/22.1 18

10 18	4 12.74	+33 10.5	1.716	2.530	15.8	21.3
10 28	4 5.95	+33 31.7	1.627	2.517	12.5	21.0
11 7	3 56.13	+33 35.4	1.561	2.503	8.9	20.8
11 17	3 44.21	+33 18.2	1.520	2.489	5.8	20.5
11 27	3 31.70	+32 39.8	1.506	2.474	5.8	20.5
12 7	3 20.24	+31 44.8	1.521	2.458	9.0	20.7
12 17	3 11.20	+30 41.3	1.561	2.442	12.9	20.9
12 27	3 5.48	+29 38.2	1.623	2.425	16.5	21.1

121213 1999 RR_6 11 19.7 96°.82 2°.7/21.2 18

10 18	4 6.74	+28 13.1	2.120	2.947	12.8	20.1
10 28	4 0.79	+28 22.8	2.045	2.948	9.7	19.9
11 7	3 52.76	+28 21.2	1.995	2.949	6.3	19.7
11 17	3 43.44	+28 7.8	1.971	2.951	3.2	19.5
11 27	3 33.89	+27 43.9	1.977	2.952	3.6	19.6
12 7	3 25.18	+27 12.8	2.012	2.953	6.8	19.8
12 17	3 18.23	+26 39.1	2.074	2.955	10.2	20.0
12 27	3 13.66	+26 7.7	2.159	2.956	13.1	20.2

492147 2013 OB_6 11 19.7 11°.03 4°.2/17.5 18

10 18	4 3.61	+ 7 48.5	2.104	2.957	11.8	20.7
10 28	3 58.28	+ 7 23.1	2.039	2.958	8.8	20.5
11 7	3 51.21	+ 7 1.7	2.000	2.959	5.9	20.3
11 17	3 43.10	+ 6 47.5	1.988	2.960	4.2	20.2
11 27	3 34.84	+ 6 43.3	2.004	2.962	5.6	20.3
12 7	3 27.32	+ 6 51.1	2.049	2.964	8.5	20.5
12 17	3 21.29	+ 7 11.3	2.119	2.966	11.5	20.7
12 27	3 17.29	+ 7 43.5	2.211	2.968	14.1	20.9

311840 2006 VO_{56} 11 19.7 15°.75 0°.9/19.3 18

10 18	4 6.02	+17 49.7	1.687	2.545	14.0	20.5
10 28	4 0.49	+17 43.9	1.622	2.547	10.2	20.2
11 7	3 52.67	+17 34.1	1.580	2.549	5.9	20.0
11 17	3 43.43	+17 21.7	1.565	2.552	1.4	19.7
11 27	3 33.97	+17 9.5	1.578	2.556	3.8	19.9
12 7	3 25.49	+17 0.7	1.618	2.559	8.2	20.2
12 17	3 18.97	+16 58.2	1.684	2.563	12.2	20.4
12 27	3 15.09	+17 4.4	1.772	2.568	15.6	20.6

475084 2005 UU_{175} 11 19.7 11°.69 1°.6/20.3 16

10 18	4 5.26	+23 58.0	1.116	1.990	18.5	21.0
10 28	4 0.87	+23 53.3	1.062	1.993	13.7	20.7
11 7	3 53.24	+23 34.8	1.027	1.997	8.2	20.4
11 17	3 43.58	+23 3.5	1.015	2.002	2.6	20.1
11 27	3 33.65	+22 23.7	1.028	2.008	4.4	20.3
12 7	3 25.24	+21 42.4	1.064	2.016	10.0	20.6
12 17	3 19.67	+21 6.8	1.123	2.024	15.0	20.9
12 27	3 17.67	+20 42.6	1.201	2.034	19.2	21.2

76534 2000 GF_{73} 11 19.7 259°.96 1°.5/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 2.43	+17 3.8	2.423	3.271	10.6	19.4
10 28	3 57.32	+16 20.0	2.344	3.265	7.7	19.2
11 7	3 50.64	+15 31.9	2.291	3.259	4.5	19.0
11 17	3 43.00	+14 42.2	2.267	3.253	1.6	18.7
11 27	3 35.19	+13 54.5	2.273	3.246	3.4	18.9
12 7	3 28.03	+13 12.4	2.309	3.240	6.7	19.1
12 17	3 22.19	+12 39.1	2.372	3.234	9.8	19.3
12 27	3 18.20	+12 16.7	2.459	3.227	12.5	19.4

222229 2000 GQ_{25} 11 19.7 226°.44 0°.6/19.9 18

10 18	4 9.45	+22 16.7	1.780	2.624	14.1	20.6
10 28	4 3.07	+22 6.4	1.699	2.616	10.4	20.4
11 7	3 54.24	+21 47.3	1.642	2.608	6.1	20.1
11 17	3 43.80	+21 20.0	1.613	2.600	1.5	19.8
11 27	3 33.00	+20 47.1	1.612	2.591	3.4	19.9
12 7	3 23.13	+20 13.2	1.640	2.582	8.0	20.2
12 17	3 15.28	+19 43.1	1.694	2.572	12.2	20.4
12 27	3 10.19	+19 21.3	1.770	2.562	15.7	20.6

26220 1997 WB_{37} 11 19.7 191°.08 2°.4/18.3 18

10 18	4 3.92	+11 32.3	2.681	3.525	9.9	17.4
10 28	3 58.23	+11 19.6	2.607	3.524	7.2	17.2
11 7	3 51.11	+11 7.8	2.560	3.523	4.4	17.1
11 17	3 43.10	+10 58.8	2.541	3.522	2.4	16.9
11 27	3 34.94	+10 54.5	2.553	3.520	3.8	17.0
12 7	3 27.36	+10 56.6	2.595	3.518	6.5	17.2
12 17	3 20.97	+11 6.3	2.665	3.516	9.3	17.4
12 27	3 16.28	+11 24.0	2.759	3.514	11.6	17.5

222093 1999 TU_{129} 11 19.7 110°.31 3°.2/21.1 18

10 18	4 13.64	+28 5.3	1.574	2.407	16.2	20.7
10 28	4 6.20	+28 17.2	1.517	2.424	12.2	20.5
11 7	3 56.00	+28 14.6	1.483	2.440	7.8	20.2
11 17	3 44.15	+27 56.2	1.474	2.455	3.8	20.0
11 27	3 32.20	+27 24.0	1.494	2.470	4.4	20.1
12 7	3 21.67	+26 43.4	1.542	2.485	8.4	20.4
12 17	3 13.68	+26 1.4	1.615	2.499	12.4	20.7
12 27	3 8.88	+25 24.3	1.711	2.512	15.8	20.9

403333 2009 DX_{91} 11 19.7 141°.54 1°.9/18.6 18

10 18	4 6.33	+15 8.0	2.222	3.068	11.6	22.1
10 28	4 0.14	+14 39.3	2.158	3.077	8.4	21.9
11 7	3 52.25	+14 8.5	2.119	3.086	4.9	21.7
11 17	3 43.35	+13 38.0	2.109	3.094	2.0	21.5
11 27	3 34.36	+13 10.9	2.130	3.102	3.8	21.7
12 7	3 26.18	+12 50.1	2.180	3.109	7.2	21.9
12 17	3 19.53	+12 38.0	2.257	3.116	10.4	22.1
12 27	3 14.95	+12 36.0	2.358	3.123	13.1	22.3

190008 2004 LT_{13} 11 19.7 79°.69 2°.1/18.8 18

10 18	4 10.49	+16 0.6	1.530	2.387	15.3	20.4
10 28	4 3.55	+15 31.0	1.487	2.412	11.0	20.2
11 7	3 54.29	+14 58.4	1.467	2.436	6.3	20.0
11 17	3 43.77	+14 26.0	1.475	2.461	2.3	19.8
11 27	3 33.36	+13 57.9	1.510	2.485	4.6	20.0
12 7	3 24.30	+13 38.1	1.573	2.509	8.9	20.3
12 17	3 17.51	+13 29.4	1.662	2.532	12.9	20.6
12 27	3 13.53	+13 33.0	1.771	2.555	16.0	20.8

160511 1990 SD_{11} 11 19.7 87°.62 8°.0/24.4 18

10 18	4 15.82	+41 41.7	1.868	2.639	16.3	18.9
10 28	4 7.87	+42 29.0	1.814	2.662	13.6	18.8
11 7	3 57.00	+42 53.4	1.781	2.684	10.7	18.7
11 17	3 44.39	+42 50.6	1.773	2.706	8.6	18.6
11 27	3 31.67	+42 20.3	1.792	2.728	8.1	18.6
12 7	3 20.44	+41 27.5	1.837	2.749	9.5	18.7
12 17	3 11.90	+40 20.5	1.908	2.770	11.8	18.9
12 27	3 6.70	+39 8.9	2.002	2.791	14.3	19.1

252878 2002 JF_{58} 11 19.7 226°.61 0°.2/19.8 18

10 18	4 11.79	+20 16.4	1.630	2.477	15.0	20.5
10 28	4 5.01	+20 21.4	1.550	2.470	11.1	20.2
11 7	3 55.49	+20 19.9	1.494	2.461	6.5	19.9
11 17	3 44.12	+20 12.1	1.465	2.452	1.4	19.6
11 27	3 32.27	+19 59.9	1.464	2.443	3.8	19.7
12 7	3 21.41	+19 46.9	1.491	2.433	8.7	20.0
12 17	3 12.77	+19 37.2	1.544	2.422	13.2	20.2
12 27	3 7.18	+19 34.9	1.619	2.411	16.9	20.5

323645 2004 YB_2 11 19.7 18°.57 0°.6/19.8 18

10 18	4 8.93	+19 19.5	0.941	1.825	20.2	19.5
10 28	4 3.94	+19 51.9	0.893	1.831	14.8	19.2
11 7	3 55.20	+20 18.4	0.865	1.837	8.6	18.9
11 17	3 44.06	+20 38.0	0.858	1.845	2.0	18.5
11 27	3 32.58	+20 51.9	0.874	1.855	4.9	18.8
12 7	3 22.89	+21 3.4	0.913	1.865	11.1	19.1
12 17	3 16.51	+21 17.2	0.973	1.877	16.6	19.5
12 27	3 14.24	+21 37.2	1.052	1.890	21.0	19.8

422293 2014 SF_{158} 11 19.7 39°.13 4°.3/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 7.61	+31 31.7	2.042	2.859	13.5	20.6
10 28	4 1.56	+32 4.5	1.975	2.868	10.5	20.4
11 7	3 53.29	+32 24.3	1.932	2.876	7.3	20.3
11 17	3 43.62	+32 28.8	1.916	2.885	4.7	20.1
11 27	3 33.71	+32 18.5	1.927	2.895	4.7	20.1
12 7	3 24.75	+31 56.4	1.967	2.904	7.3	20.3
12 17	3 17.69	+31 27.3	2.034	2.914	10.4	20.5
12 27	3 13.19	+30 57.0	2.124	2.924	13.2	20.7

383507 2007 CX_{17} 11 19.7 108°.18 4°.1/17.9 18

10 18	4 9.26	+10 22.3	1.636	2.492	14.5	21.0
10 28	4 2.67	+ 9 48.6	1.583	2.505	10.7	20.8
11 7	3 53.85	+ 9 17.3	1.554	2.517	6.7	20.6
11 17	3 43.72	+ 8 52.3	1.551	2.530	4.1	20.4
11 27	3 33.53	+ 8 37.6	1.577	2.541	6.0	20.6
12 7	3 24.48	+ 8 35.8	1.630	2.553	9.7	20.8
12 17	3 17.48	+ 8 48.1	1.708	2.564	13.3	21.1
12 27	3 13.14	+ 9 14.1	1.807	2.575	16.4	21.3

14267 Zook 11 19.7 26°.83 3°.5/20.8 18

10 18	4 7.85	+25 54.2	0.939	1.817	20.8	16.7
10 28	4 3.04	+26 21.9	0.902	1.832	15.6	16.4
11 7	3 54.56	+26 32.8	0.882	1.850	9.7	16.2
11 17	3 43.90	+26 25.5	0.885	1.869	4.3	16.0
11 27	3 33.19	+26 2.9	0.910	1.889	5.3	16.1
12 7	3 24.47	+25 32.3	0.958	1.911	10.6	16.5
12 17	3 19.09	+25 2.1	1.027	1.934	15.6	16.8
12 27	3 17.67	+24 39.2	1.115	1.958	19.7	17.2

445241 2009 KU_{37} 11 19.7 148°.91 2°.0/18.7 18

10 18	4 6.50	+14 33.3	2.052	2.902	12.2	21.3
10 28	4 0.47	+14 17.6	1.984	2.905	8.9	21.1
11 7	3 52.55	+14 0.5	1.941	2.908	5.2	20.9
11 17	3 43.47	+13 44.3	1.926	2.911	2.1	20.7
11 27	3 34.22	+13 31.5	1.941	2.913	4.0	20.8
12 7	3 25.78	+13 24.8	1.984	2.916	7.6	21.1
12 17	3 18.98	+13 26.1	2.054	2.918	11.0	21.3
12 27	3 14.39	+13 36.8	2.147	2.920	13.9	21.5

107825 2001 FN_{64} 11 19.7 103°.15 4°.2/17.4 18

10 18	4 6.62	+ 9 48.2	1.929	2.781	12.8	19.7
10 28	4 0.44	+ 8 55.3	1.879	2.798	9.4	19.5
11 7	3 52.44	+ 8 4.4	1.854	2.815	6.1	19.4
11 17	3 43.43	+ 7 20.1	1.856	2.831	4.2	19.3
11 27	3 34.42	+ 6 46.6	1.888	2.847	5.8	19.4
12 7	3 26.37	+ 6 26.9	1.948	2.862	8.9	19.6
12 17	3 20.05	+ 6 22.3	2.033	2.877	12.0	19.9
12 27	3 15.95	+ 6 32.6	2.140	2.892	14.6	20.1

51058 2000 GA_{142} 11 19.7 204°.53 1°.5/18.9 18

10 18	4 6.01	+13 31.9	2.735	3.574	9.9	19.2
10 28	3 59.79	+13 39.3	2.655	3.571	7.2	19.0
11 7	3 52.06	+13 46.9	2.602	3.567	4.2	18.8
11 17	3 43.38	+13 55.7	2.579	3.564	1.7	18.6
11 27	3 34.49	+14 6.8	2.587	3.560	3.1	18.7
12 7	3 26.16	+14 21.5	2.626	3.556	6.1	18.9
12 17	3 19.04	+14 40.7	2.693	3.551	8.9	19.1
12 27	3 13.65	+15 5.4	2.786	3.546	11.4	19.3

162826 2001 BE_{64} 11 19.7 304°.52 3°.4/18.1 18

10 18	4 5.44	+13 11.1	1.560	2.426	14.6	19.7
10 28	4 0.43	+12 34.1	1.478	2.406	10.8	19.4
11 7	3 52.88	+11 55.0	1.418	2.386	6.6	19.1
11 17	3 43.61	+11 18.1	1.384	2.367	3.5	18.9
11 27	3 33.84	+10 48.3	1.378	2.348	5.7	19.0
12 7	3 24.91	+10 30.2	1.397	2.329	10.2	19.2
12 17	3 17.98	+10 27.1	1.441	2.310	14.5	19.4
12 27	3 13.87	+10 40.2	1.505	2.292	18.2	19.6

299648 2006 KC_{89} 11 19.7 117°.50 6°.0/16.9 18

10 18	4 8.28	+ 1 48.8	2.144	2.980	12.3	21.5
10 28	4 1.45	+ 1 13.3	2.097	2.998	9.6	21.3
11 7	3 52.96	+ 0 46.4	2.075	3.017	7.1	21.2
11 17	3 43.55	+ 0 32.1	2.081	3.034	6.0	21.2
11 27	3 34.16	+ 0 33.0	2.117	3.051	7.1	21.3
12 7	3 25.67	+ 0 50.0	2.180	3.068	9.5	21.5
12 17	3 18.77	+ 1 22.4	2.269	3.084	12.0	21.6
12 27	3 13.97	+ 2 8.2	2.380	3.099	14.2	21.8

293204 2007 BK_{13} 11 19.7 341°.56 0°.5/19.9 18

10 18	4 5.70	+21 48.9	1.926	2.773	13.0	21.2
10 28	4 0.15	+21 42.7	1.853	2.771	9.6	21.0
11 7	3 52.49	+21 29.1	1.803	2.770	5.6	20.7
11 17	3 43.51	+21 9.1	1.781	2.768	1.4	20.5
11 27	3 34.27	+20 45.0	1.787	2.767	3.1	20.6
12 7	3 25.88	+20 20.4	1.822	2.765	7.3	20.8
12 17	3 19.28	+19 59.2	1.884	2.764	11.1	21.1
12 27	3 15.09	+19 44.8	1.968	2.763	14.3	21.3

471545 2012 KC_{13} 11 19.7 79°.57 1°.1/19.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 13.90	+18 1.9	1.495	2.346	15.9	21.5
10 28	4 6.00	+17 45.5	1.458	2.380	11.4	21.3
11 7	3 55.69	+17 24.0	1.445	2.413	6.5	21.1
11 17	3 44.14	+16 59.8	1.458	2.446	1.6	20.9
11 27	3 32.82	+16 36.3	1.500	2.478	4.1	21.1
12 7	3 23.03	+16 17.8	1.571	2.509	8.7	21.5
12 17	3 15.70	+16 7.5	1.666	2.540	12.7	21.8
12 27	3 11.33	+16 7.6	1.784	2.570	15.9	22.1

151844 2003 GP_{13} 11 19.7 146°.88 0°.4/19.9 18

10 18	4 6.07	+21 39.0	2.104	2.947	12.3	21.1
10 28	4 0.24	+21 31.3	2.032	2.948	9.0	20.9
11 7	3 52.47	+21 16.9	1.984	2.950	5.2	20.7
11 17	3 43.51	+20 56.6	1.964	2.951	1.3	20.4
11 27	3 34.34	+20 32.6	1.974	2.953	2.9	20.5
12 7	3 25.99	+20 8.4	2.013	2.954	6.8	20.8
12 17	3 19.29	+19 47.4	2.078	2.955	10.3	21.0
12 27	3 14.84	+19 32.8	2.168	2.956	13.3	21.2

304503 2006 UY_{175} 11 19.7 110°.81 0°.7/19.4 18

10 18	4 7.40	+18 7.1	1.920	2.769	13.0	20.8
10 28	4 1.30	+18 3.9	1.852	2.773	9.4	20.6
11 7	3 53.12	+17 56.6	1.808	2.776	5.4	20.3
11 17	3 43.65	+17 46.6	1.792	2.780	1.2	20.1
11 27	3 33.97	+17 36.0	1.805	2.783	3.4	20.2
12 7	3 25.18	+17 27.7	1.847	2.786	7.5	20.5
12 17	3 18.17	+17 24.4	1.916	2.790	11.2	20.7
12 27	3 13.59	+17 28.5	2.007	2.793	14.3	21.0

442238 2011 LL_{19} 11 19.7 117°.81 13°.6/11.4 18

10 18	4 7.62	−21 33.3	2.096	2.848	15.4	20.5
10 28	4 1.08	−23 7.6	2.077	2.864	14.3	20.5
11 7	3 52.78	−24 15.4	2.078	2.880	13.7	20.5
11 17	3 43.54	−24 50.8	2.101	2.895	13.7	20.5
11 27	3 34.36	−24 50.7	2.145	2.910	14.3	20.6
12 7	3 26.18	−24 16.5	2.209	2.924	15.3	20.7
12 17	3 19.72	−23 12.4	2.291	2.938	16.4	20.8
12 27	3 15.45	−21 44.4	2.388	2.952	17.5	21.0

322243 2011 CG_{63} 11 19.7 102°.10 1°.7/18.7 18

10 18	4 4.72	+14 20.9	2.465	3.310	10.6	20.4
10 28	3 58.88	+14 8.6	2.404	3.323	7.7	20.3
11 7	3 51.53	+13 55.5	2.368	3.335	4.5	20.1
11 17	3 43.29	+13 43.3	2.362	3.347	1.8	19.9
11 27	3 34.98	+13 34.0	2.386	3.359	3.4	20.0
12 7	3 27.37	+13 29.8	2.440	3.370	6.5	20.3
12 17	3 21.11	+13 32.0	2.522	3.382	9.4	20.5
12 27	3 16.69	+13 41.8	2.627	3.393	11.9	20.7

79765 1998 TO_{37} 11 19.7 26°.87 2°.2/20.2 18

10 18	4 10.69	+21 36.8	1.050	1.923	19.4	17.5
10 28	4 4.98	+22 31.1	1.005	1.935	14.4	17.3
11 7	3 55.72	+23 17.3	0.980	1.948	8.6	17.0
11 17	3 44.24	+23 52.4	0.977	1.963	3.0	16.7
11 27	3 32.52	+24 15.9	0.999	1.979	4.8	16.9
12 7	3 22.54	+24 30.8	1.046	1.996	10.3	17.3
12 17	3 15.74	+24 42.2	1.114	2.014	15.3	17.6
12 27	3 12.87	+24 55.3	1.202	2.033	19.4	17.9

326051 2011 AV_{9} 11 19.7 214°.30 3°.5/17.7 17

10 18	4 4.10	+ 8 54.7	2.451	3.297	10.6	21.3
10 28	3 58.51	+ 8 29.6	2.378	3.294	7.9	21.1
11 7	3 51.37	+ 8 7.1	2.331	3.290	5.1	21.0
11 17	3 43.28	+ 7 49.6	2.312	3.286	3.5	20.8
11 27	3 35.01	+ 7 40.0	2.323	3.282	4.8	20.9
12 7	3 27.36	+ 7 40.1	2.363	3.278	7.5	21.1
12 17	3 21.01	+ 7 50.8	2.430	3.274	10.3	21.3
12 27	3 16.48	+ 8 12.4	2.521	3.269	12.8	21.4

448027 2008 ED_{42} 11 19.7 289°.09 0°.7/19.9 18

10 18	4 8.59	+21 9.7	1.962	2.804	13.0	21.1
10 28	4 2.59	+21 20.9	1.858	2.774	9.7	20.8
11 7	3 54.16	+21 26.6	1.778	2.743	5.8	20.5
11 17	3 43.96	+21 26.2	1.726	2.713	1.5	20.2
11 27	3 33.07	+21 20.8	1.703	2.682	3.3	20.2
12 7	3 22.76	+21 13.0	1.709	2.650	7.8	20.4
12 17	3 14.15	+21 6.2	1.741	2.618	12.0	20.6
12 27	3 8.13	+21 4.3	1.797	2.587	15.6	20.8

151436 2002 GK_{2} 11 19.7 169°.91 1°.8/20.9 18

10 18	4 6.40	+26 45.5	2.896	3.713	10.0	20.5
10 28	4 0.08	+26 51.4	2.818	3.717	7.5	20.3
11 7	3 52.24	+26 49.5	2.765	3.720	4.7	20.2
11 17	3 43.47	+26 39.4	2.742	3.723	2.2	20.0
11 27	3 34.54	+26 22.3	2.750	3.725	2.6	20.0
12 7	3 26.22	+26 0.4	2.789	3.727	5.3	20.2
12 17	3 19.18	+25 36.8	2.856	3.729	8.0	20.4
12 27	3 13.93	+25 14.7	2.950	3.730	10.4	20.6

210465 1994 XB_2 11 19.7 263°.73 3°.6/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 6.58	+10 39.3	2.013	2.864	12.4	21.1
10 28	4 0.76	+10 8.8	1.927	2.846	9.2	20.9
11 7	3 52.89	+ 9 39.1	1.865	2.828	5.8	20.7
11 17	3 43.65	+ 9 13.5	1.830	2.809	3.6	20.5
11 27	3 34.03	+ 8 55.6	1.825	2.790	5.3	20.6
12 7	3 25.08	+ 8 48.6	1.849	2.770	8.8	20.7
12 17	3 17.71	+ 8 54.2	1.898	2.750	12.4	20.9
12 27	3 12.62	+ 9 13.2	1.969	2.730	15.4	21.1

54186 2000 HG_{68} 11 19.7 171°.18 2°.4/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.46	+13 45.2	1.946	2.799	12.7	19.7
10 28	4 0.58	+13 25.9	1.877	2.799	9.2	19.5
11 7	3 52.70	+13 5.8	1.833	2.800	5.5	19.3
11 17	3 43.59	+12 47.4	1.816	2.800	2.5	19.1
11 27	3 34.28	+12 33.6	1.829	2.800	4.3	19.2
12 7	3 25.80	+12 27.3	1.870	2.801	8.1	19.5
12 17	3 19.03	+12 30.3	1.937	2.801	11.6	19.7
12 27	3 14.56	+12 43.8	2.026	2.801	14.6	19.9

187761 1997 NX_4 11 19.7 58°.45 6°.7/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.79	+ 0 38.7	1.943	2.784	13.2	19.2
10 28	4 0.40	+ 0 2.2	1.913	2.815	10.3	19.1
11 7	3 52.36	− 0 23.3	1.907	2.847	7.8	19.0
11 17	3 43.48	− 0 33.9	1.928	2.878	6.7	19.0
11 27	3 34.72	− 0 27.2	1.977	2.909	7.7	19.2
12 7	3 26.99	− 0 3.0	2.052	2.940	10.0	19.3
12 17	3 20.96	+ 0 37.2	2.153	2.971	12.4	19.6
12 27	3 17.07	+ 1 30.8	2.275	3.001	14.6	19.8

408529 2013 JB_{47} 11 19.7 126°.65 3°.8/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.39	+ 9 15.3	2.397	3.246	10.7	21.2
10 28	3 57.93	+ 8 21.9	2.338	3.255	8.0	21.1
11 7	3 51.00	+ 7 30.2	2.304	3.263	5.2	20.9
11 17	3 43.21	+ 6 44.0	2.299	3.271	3.8	20.8
11 27	3 35.36	+ 6 7.0	2.324	3.279	5.2	20.9
12 7	3 28.21	+ 5 41.9	2.378	3.287	7.8	21.1
12 17	3 22.40	+ 5 30.2	2.458	3.294	10.5	21.3
12 27	3 18.38	+ 5 32.0	2.561	3.301	12.8	21.5

218479 2004 SE_{53} 11 19.7 59°.86 3°.1/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.32	+30 30.6	1.990	2.814	13.6	19.7
10 28	4 0.53	+30 15.1	1.925	2.824	10.4	19.5
11 7	3 52.66	+29 44.9	1.883	2.835	6.8	19.3
11 17	3 43.58	+29 0.4	1.868	2.846	3.6	19.2
11 27	3 34.42	+28 4.3	1.882	2.857	3.8	19.2
12 7	3 26.29	+27 1.9	1.924	2.868	6.9	19.4
12 17	3 20.04	+25 59.3	1.994	2.879	10.3	19.7
12 27	3 16.25	+25 2.2	2.088	2.890	13.3	19.9

284165 2005 YB_{107} 11 19.7 207°.34 1°.9/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 8.50	+15 3.5	2.097	2.942	12.2	21.6
10 28	4 2.01	+14 41.6	2.018	2.937	8.9	21.4
11 7	3 53.53	+14 17.5	1.964	2.930	5.2	21.1
11 17	3 43.79	+13 53.2	1.939	2.924	2.1	20.9
11 27	3 33.79	+13 31.8	1.943	2.916	4.0	21.0
12 7	3 24.54	+13 16.3	1.978	2.908	7.7	21.3
12 17	3 16.93	+13 9.2	2.039	2.899	11.3	21.5
12 27	3 11.59	+13 12.3	2.123	2.890	14.3	21.6

514283 2015 RP_{244} 11 19.7 111°.19 5°.0/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.86	+ 7 3.5	2.070	2.919	12.2	21.3
10 28	3 59.82	+ 6 2.9	2.021	2.935	9.1	21.2
11 7	3 52.10	+ 5 6.4	1.996	2.951	6.3	21.0
11 17	3 43.45	+ 4 18.7	2.000	2.966	5.0	21.0
11 27	3 34.79	+ 3 43.9	2.033	2.981	6.4	21.1
12 7	3 27.01	+ 3 24.8	2.093	2.995	9.1	21.3
12 17	3 20.82	+ 3 22.1	2.179	3.009	11.9	21.5
12 27	3 16.69	+ 3 35.1	2.287	3.023	14.3	21.7

185733 Luigicolzani 11 19.7 18°.46 6°.7/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.62	+ 6 56.5	1.214	2.094	16.9	18.8
10 28	3 59.15	+ 6 6.5	1.172	2.103	12.7	18.6
11 7	3 52.08	+ 5 24.2	1.151	2.113	8.7	18.4
11 17	3 43.48	+ 4 56.2	1.153	2.125	6.7	18.3
11 27	3 34.81	+ 4 47.6	1.179	2.138	8.5	18.5
12 7	3 27.46	+ 5 0.8	1.229	2.152	12.2	18.7
12 17	3 22.45	+ 5 34.9	1.301	2.167	16.0	19.0
12 27	3 20.38	+ 6 26.8	1.392	2.183	19.3	19.3

435616 2008 SJ_{100} 11 19.7 97°.82 4°.1/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 8.09	+11 14.0	1.690	2.547	14.1	21.5
10 28	4 1.75	+10 20.9	1.641	2.563	10.3	21.3
11 7	3 53.33	+ 9 29.0	1.615	2.579	6.5	21.1
11 17	3 43.74	+ 8 42.8	1.617	2.595	4.1	21.0
11 27	3 34.14	+ 8 7.3	1.647	2.610	5.9	21.1
12 7	3 25.66	+ 7 46.0	1.705	2.626	9.5	21.4
12 17	3 19.15	+ 7 40.6	1.788	2.641	13.0	21.6
12 27	3 15.16	+ 7 50.8	1.891	2.655	15.9	21.9

180793 2004 XL_{23} 11 19.7 352°.78 14°.0/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 11.64	+50 47.0	0.946	1.741	27.0	18.5
10 28	4 7.43	+50 46.8	0.883	1.737	23.7	18.2
11 7	3 57.81	+49 53.2	0.833	1.733	19.8	18.0
11 17	3 44.77	+47 54.8	0.798	1.730	16.1	17.8
11 27	3 31.58	+44 51.0	0.784	1.729	14.0	17.7
12 7	3 21.33	+40 59.1	0.792	1.728	15.0	17.7
12 17	3 15.81	+36 48.0	0.821	1.729	18.3	17.9
12 27	3 15.50	+32 46.7	0.871	1.731	22.4	18.2

459310 2012 GZ_{32} 11 19.7 221°.43 0°.1/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.58	+21 18.5	2.725	3.560	10.0	22.5
10 28	3 58.87	+21 2.6	2.638	3.551	7.3	22.3
11 7	3 51.62	+20 41.0	2.577	3.542	4.3	22.1
11 17	3 43.40	+20 14.7	2.545	3.533	1.0	21.8
11 27	3 34.98	+19 45.8	2.544	3.523	2.4	21.9
12 7	3 27.12	+19 16.9	2.574	3.512	5.7	22.1
12 17	3 20.51	+18 50.9	2.632	3.502	8.7	22.3
12 27	3 15.66	+18 30.7	2.715	3.491	11.3	22.5

114882 2003 QU_{14} 11 19.7 109°.71 2°.5/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.17	+29 38.2	2.403	3.221	11.8	19.9
10 28	4 0.12	+29 25.3	2.335	3.232	8.9	19.7
11 7	3 52.34	+29 0.5	2.292	3.244	5.8	19.5
11 17	3 43.55	+28 24.2	2.277	3.255	3.0	19.4
11 27	3 34.68	+27 38.6	2.292	3.266	3.2	19.4
12 7	3 26.66	+26 47.5	2.336	3.277	6.0	19.6
12 17	3 20.23	+25 55.8	2.409	3.288	9.0	19.8
12 27	3 15.89	+25 8.0	2.507	3.299	11.6	20.0

134076 2004 XW_{69} 11 19.7 178°.33 4°.0/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 10.28	+32 15.3	2.090	2.899	13.6	20.3
10 28	4 3.54	+32 25.2	2.012	2.901	10.6	20.1
11 7	3 54.52	+32 20.5	1.958	2.902	7.3	19.9
11 17	3 44.05	+31 59.4	1.931	2.902	4.5	19.7
11 27	3 33.33	+31 23.2	1.933	2.902	4.5	19.7
12 7	3 23.56	+30 35.9	1.964	2.902	7.3	19.9
12 17	3 15.75	+29 43.3	2.023	2.901	10.5	20.1
12 27	3 10.55	+28 52.0	2.105	2.900	13.5	20.3

520490 2014 KD_{112} 11 19.7 152°.78 2°.9/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.88	+12 37.4	2.141	2.991	11.8	22.2
10 28	3 59.95	+11 57.5	2.076	2.996	8.6	22.1
11 7	3 52.27	+11 17.0	2.036	3.001	5.3	21.9
11 17	3 43.55	+10 39.3	2.025	3.006	2.9	21.7
11 27	3 34.71	+10 7.9	2.044	3.010	4.6	21.8
12 7	3 26.67	+ 9 45.9	2.091	3.014	7.9	22.1
12 17	3 20.18	+ 9 35.5	2.165	3.018	11.0	22.3
12 27	3 15.77	+ 9 37.4	2.262	3.021	13.7	22.5

39211 2000 XB_{34} 11 19.7 175°.07 4°.3/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 8.20	+33 33.3	2.344	3.146	12.5	19.3
10 28	4 1.90	+33 55.1	2.266	3.147	9.9	19.1
11 7	3 53.53	+34 3.4	2.211	3.148	7.0	18.9
11 17	3 43.85	+33 56.4	2.184	3.148	4.8	18.8
11 27	3 33.90	+33 34.6	2.185	3.149	4.7	18.8
12 7	3 24.76	+33 0.8	2.216	3.149	6.9	18.9
12 17	3 17.34	+32 20.0	2.274	3.149	9.7	19.1
12 27	3 12.27	+31 37.7	2.356	3.149	12.3	19.3

327544 2006 BM_{250} 11 19.7 170°.74 4°.4/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.10	+ 6 7.4	2.548	3.392	10.3	21.1
10 28	3 57.71	+ 5 24.2	2.482	3.394	7.8	21.0
11 7	3 50.91	+ 4 44.8	2.443	3.395	5.5	20.8
11 17	3 43.26	+ 4 12.7	2.432	3.397	4.4	20.8
11 27	3 35.49	+ 3 51.0	2.451	3.398	5.5	20.9
12 7	3 28.35	+ 3 41.7	2.499	3.399	7.9	21.0
12 17	3 22.43	+ 3 45.6	2.573	3.399	10.4	21.2
12 27	3 18.22	+ 4 2.5	2.669	3.400	12.5	21.3

112797 Grantjudy 11 19.7 193°.59 0°.9/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 11.11	+23 37.9	1.865	2.702	13.8	21.3
10 28	4 4.21	+23 23.1	1.788	2.700	10.3	21.1
11 7	3 54.94	+22 58.2	1.734	2.698	6.1	20.8
11 17	3 44.16	+22 23.8	1.708	2.695	1.8	20.5
11 27	3 33.11	+21 42.8	1.712	2.691	3.3	20.6
12 7	3 23.03	+20 59.9	1.745	2.686	7.7	20.9
12 17	3 14.96	+20 20.4	1.804	2.680	11.7	21.1
12 27	3 9.59	+19 49.0	1.887	2.674	15.1	21.4

413753 2006 DT_{23} 11 19.7 194°.66 4°.6/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.89	+ 5 45.0	2.480	3.325	10.5	21.4
10 28	3 57.62	+ 4 58.0	2.413	3.324	8.0	21.3
11 7	3 50.88	+ 4 15.0	2.372	3.323	5.7	21.1
11 17	3 43.26	+ 3 39.6	2.359	3.321	4.6	21.1
11 27	3 35.51	+ 3 15.4	2.375	3.320	5.8	21.1
12 7	3 28.38	+ 3 4.5	2.420	3.318	8.2	21.3
12 17	3 22.50	+ 3 7.6	2.491	3.316	10.7	21.5
12 27	3 18.36	+ 3 24.6	2.584	3.314	12.9	21.6

243037 2006 VC_{136} 11 19.7 103°.46 1°.3/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 7.39	+16 54.2	2.110	2.956	12.1	21.3
10 28	4 0.99	+16 31.0	2.055	2.975	8.7	21.1
11 7	3 52.83	+16 4.5	2.026	2.993	5.0	20.9
11 17	3 43.67	+15 36.9	2.024	3.011	1.5	20.7
11 27	3 34.49	+15 11.1	2.053	3.028	3.5	20.9
12 7	3 26.22	+14 50.3	2.112	3.046	7.1	21.2
12 17	3 19.61	+14 36.9	2.197	3.062	10.4	21.4
12 27	3 15.17	+14 32.7	2.306	3.079	13.1	21.6

314770 2006 SW_{362} 11 19.7 23°.96 1°.3/19.1 18

10 18	4 6.20	+16 50.7	1.842	2.697	13.2	21.1
10 28	4 0.54	+16 35.3	1.774	2.698	9.6	20.8
11 7	3 52.77	+16 16.3	1.730	2.699	5.5	20.6
11 17	3 43.69	+15 56.0	1.713	2.700	1.6	20.3
11 27	3 34.39	+15 37.2	1.725	2.702	3.8	20.5
12 7	3 25.99	+15 23.3	1.766	2.703	7.9	20.8
12 17	3 19.39	+15 17.0	1.832	2.705	11.7	21.0
12 27	3 15.23	+15 20.3	1.920	2.707	14.9	21.2

74407 1998 YJ_{21} 11 19.7 177°.66 4°.2/17.0 18

10 18	4 3.10	+ 5 50.3	2.642	3.484	10.1	19.6
10 28	3 57.68	+ 5 17.9	2.575	3.485	7.6	19.4
11 7	3 50.89	+ 4 49.6	2.533	3.486	5.3	19.3
11 17	3 43.27	+ 4 28.4	2.521	3.486	4.2	19.2
11 27	3 35.52	+ 4 17.0	2.538	3.486	5.3	19.3
12 7	3 28.36	+ 4 17.1	2.584	3.486	7.6	19.4
12 17	3 22.38	+ 4 29.2	2.657	3.486	10.0	19.6
12 27	3 18.06	+ 4 52.9	2.753	3.485	12.2	19.7

193263 2000 SJ_{155} 11 19.7 359°.97 4°.2/17.9 18

10 18	4 3.53	+12 59.9	1.205	2.087	16.8	18.4
10 28	3 59.37	+12 11.9	1.148	2.084	12.4	18.1
11 7	3 52.39	+11 22.8	1.112	2.082	7.6	17.9
11 17	3 43.63	+10 38.3	1.099	2.082	4.2	17.7
11 27	3 34.59	+10 5.0	1.111	2.082	6.7	17.8
12 7	3 26.80	+ 9 48.0	1.148	2.084	11.4	18.1
12 17	3 21.43	+ 9 49.9	1.206	2.087	15.9	18.4
12 27	3 19.20	+10 10.6	1.283	2.091	19.7	18.6

456018 2005 YY_{81} 11 19.7 315°.21 3°.4/21.9 17

10 18	4 5.76	+31 9.8	2.059	2.880	13.3	21.1
10 28	4 0.27	+31 1.2	1.978	2.875	10.3	20.9
11 7	3 52.64	+30 37.9	1.920	2.870	6.9	20.7
11 17	3 43.67	+29 59.4	1.889	2.865	3.9	20.5
11 27	3 34.45	+29 7.8	1.887	2.860	4.0	20.5
12 7	3 26.11	+28 7.8	1.913	2.856	7.0	20.7
12 17	3 19.58	+27 5.4	1.967	2.851	10.4	20.9
12 27	3 15.51	+26 6.8	2.044	2.847	13.5	21.1

286217 2001 UP_{107} 11 19.7 341°.76 1°.2/19.2 18

10 18	4 3.09	+19 5.0	1.138	2.020	17.6	19.9
10 28	3 59.45	+18 36.3	1.069	2.007	12.9	19.6
11 7	3 52.66	+17 58.5	1.021	1.994	7.5	19.3
11 17	3 43.74	+17 14.8	0.996	1.983	1.9	18.9
11 27	3 34.29	+16 31.2	0.994	1.974	5.0	19.1
12 7	3 26.06	+15 54.7	1.017	1.965	10.8	19.4
12 17	3 20.46	+15 31.3	1.061	1.958	16.1	19.7
12 27	3 18.35	+15 24.4	1.124	1.953	20.6	19.9

60730 2000 GC_{79} 11 19.7 162°.79 0°.3/19.6 18

10 18	4 9.60	+20 13.4	1.852	2.697	13.6	20.6
10 28	4 3.00	+19 52.6	1.783	2.701	9.9	20.4
11 7	3 54.18	+19 24.9	1.738	2.706	5.7	20.1
11 17	3 44.01	+18 51.8	1.722	2.709	1.2	19.8
11 27	3 33.66	+18 16.7	1.734	2.712	3.4	20.0
12 7	3 24.30	+17 43.7	1.776	2.715	7.8	20.3
12 17	3 16.88	+17 17.2	1.844	2.717	11.6	20.5
12 27	3 12.03	+17 0.3	1.935	2.719	14.9	20.7

108689 2001 OS_{9} 11 19.7 75°.32 13°.2/13.5 18

10 18	4 7.28	−17 56.4	1.916	2.694	15.8	19.5
10 28	4 1.08	−19 2.1	1.878	2.698	14.3	19.4
11 7	3 52.95	−19 42.8	1.860	2.702	13.4	19.4
11 17	3 43.73	−19 52.0	1.865	2.706	13.3	19.4
11 27	3 34.47	−19 26.4	1.891	2.710	14.0	19.4
12 7	3 26.19	−18 27.3	1.940	2.714	15.3	19.5
12 17	3 19.69	−16 59.1	2.008	2.718	16.8	19.7
12 27	3 15.52	−15 8.2	2.093	2.722	18.2	19.8

86465 2000 CU_{63} 11 19.7 304°.73 1°.3/19.1 18

10 18	4 6.18	+19 33.0	1.357	2.225	16.2	19.5
10 28	4 1.41	+18 49.6	1.276	2.206	12.0	19.2
11 7	3 53.71	+17 55.5	1.217	2.188	7.0	18.8
11 17	3 43.99	+16 54.1	1.182	2.170	1.8	18.5
11 27	3 33.70	+15 51.6	1.174	2.152	4.8	18.6
12 7	3 24.45	+14 55.4	1.191	2.134	10.3	18.9
12 17	3 17.56	+14 12.4	1.232	2.117	15.3	19.1
12 27	3 13.92	+13 47.1	1.292	2.100	19.6	19.4

473685 2015 XZ_{379} 11 19.7 355°.37 12°.9/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.51	−15 35.6	1.854	2.652	15.5	20.1
10 28	3 58.48	−16 45.6	1.810	2.648	14.0	20.0
11 7	3 51.53	−17 32.0	1.787	2.645	13.1	19.9
11 17	3 43.45	−17 48.2	1.785	2.643	13.0	19.9
11 27	3 35.24	−17 30.3	1.806	2.642	13.8	20.0
12 7	3 27.92	−16 38.8	1.848	2.641	15.2	20.1
12 17	3 22.29	−15 17.5	1.910	2.641	16.9	20.2
12 27	3 18.92	−13 32.4	1.989	2.642	18.5	20.4

17122 1999 JH_{63} 11 19.7 100°.45 0°.1/19.8 18

10 18	4 6.54	+20 36.6	2.035	2.880	12.5	17.9
10 28	4 0.65	+20 28.6	1.966	2.885	9.1	17.7
11 7	3 52.79	+20 14.5	1.923	2.890	5.3	17.5
11 17	3 43.74	+19 55.4	1.907	2.895	1.2	17.2
11 27	3 34.51	+19 33.8	1.921	2.899	3.0	17.3
12 7	3 26.13	+19 12.8	1.963	2.904	7.0	17.6
12 17	3 19.45	+18 55.8	2.033	2.909	10.6	17.8
12 27	3 15.07	+18 45.7	2.125	2.914	13.6	18.0

332600 2008 SZ_{252} 11 19.7 302°.96 1°.6/20.7 17

10 18	4 4.42	+25 26.5	2.246	3.081	11.9	21.1
10 28	3 59.16	+25 23.8	2.160	3.070	8.9	20.9
11 7	3 51.99	+25 12.0	2.098	3.059	5.5	20.7
11 17	3 43.58	+24 51.2	2.064	3.048	2.2	20.4
11 27	3 34.87	+24 23.3	2.059	3.038	3.0	20.5
12 7	3 26.84	+23 51.5	2.084	3.027	6.5	20.7
12 17	3 20.35	+23 19.7	2.135	3.017	9.9	20.9
12 27	3 16.01	+22 52.0	2.211	3.006	12.9	21.1

515501 2014 DJ_{113} 11 19.7 174°.54 3°.9/17.5 18

10 18	4 6.91	+10 10.7	2.082	2.931	12.1	22.6
10 28	4 0.77	+ 9 22.6	2.016	2.933	9.0	22.4
11 7	3 52.80	+ 8 35.5	1.974	2.935	5.8	22.2
11 17	3 43.74	+ 7 53.3	1.962	2.937	3.9	22.1
11 27	3 34.53	+ 7 20.2	1.978	2.938	5.5	22.2
12 7	3 26.14	+ 6 59.4	2.023	2.938	8.6	22.4
12 17	3 19.33	+ 6 52.6	2.095	2.938	11.7	22.6
12 27	3 14.68	+ 7 0.1	2.188	2.937	14.4	22.8

152392 2005 UH_{245} 11 19.7 122°.07 2°.4/21.2 18

10 18	4 11.34	+28 53.8	1.861	2.686	14.4	20.3
10 28	4 4.21	+28 28.2	1.800	2.702	10.8	20.1
11 7	3 54.83	+27 47.8	1.762	2.718	6.8	19.9
11 17	3 44.17	+26 53.2	1.751	2.733	3.1	19.7
11 27	3 33.51	+25 48.3	1.770	2.747	3.6	19.8
12 7	3 24.06	+24 39.1	1.818	2.761	7.3	20.0
12 17	3 16.75	+23 32.3	1.894	2.774	11.0	20.3
12 27	3 12.13	+22 33.9	1.993	2.787	14.2	20.5

63412 2001 KQ_{44} 11 19.7 47°.50 9°.3/18.0 18

10 18	4 12.25	− 0 32.5	1.138	1.999	19.2	17.9
10 28	4 5.24	− 0 55.7	1.112	2.025	15.0	17.7
11 7	3 55.48	− 0 59.7	1.105	2.051	11.2	17.6
11 17	3 44.29	− 0 39.5	1.122	2.079	9.3	17.6
11 27	3 33.35	+ 0 6.7	1.163	2.107	10.5	17.7
12 7	3 24.16	+ 1 16.2	1.228	2.135	13.6	18.0
12 17	3 17.70	+ 2 43.7	1.315	2.163	17.0	18.3
12 27	3 14.50	+ 4 23.4	1.420	2.192	19.9	18.6

148259 2000 FB_{22} 11 19.7 167°.70 0°.9/19.3 18

10 18	4 10.60	+17 38.9	1.992	2.834	12.9	20.5
10 28	4 3.61	+17 29.1	1.922	2.839	9.4	20.3
11 7	3 54.52	+17 15.4	1.876	2.843	5.4	20.1
11 17	3 44.13	+16 59.0	1.859	2.847	1.4	19.8
11 27	3 33.55	+16 42.5	1.873	2.850	3.5	20.0
12 7	3 23.87	+16 28.9	1.916	2.852	7.5	20.2
12 17	3 16.01	+16 21.0	1.986	2.853	11.2	20.5
12 27	3 10.58	+16 21.3	2.079	2.854	14.3	20.7

233607 2007 SX_{12} 11 19.7 118°.48 3°.0/21.4 18

10 18	4 10.87	+29 15.7	2.044	2.863	13.5	20.9
10 28	4 3.81	+29 20.0	1.981	2.879	10.2	20.7
11 7	3 54.61	+29 11.3	1.943	2.895	6.7	20.6
11 17	3 44.14	+28 49.2	1.932	2.910	3.5	20.4
11 27	3 33.59	+28 15.4	1.951	2.925	3.8	20.4
12 7	3 24.11	+27 34.1	1.999	2.939	6.9	20.7
12 17	3 16.58	+26 50.8	2.074	2.953	10.3	20.9
12 27	3 11.60	+26 10.8	2.174	2.966	13.2	21.1

242408 2004 FY_{156} 11 19.7 98°.36 4°.4/22.0 18

10 18	4 11.33	+32 13.1	2.069	2.878	13.7	20.4
10 28	4 4.28	+32 46.1	2.007	2.893	10.7	20.2
11 7	3 54.96	+33 5.0	1.968	2.908	7.5	20.0
11 17	3 44.24	+33 7.8	1.956	2.923	4.9	19.9
11 27	3 33.33	+32 54.8	1.973	2.938	4.8	19.9
12 7	3 23.46	+32 29.2	2.018	2.953	7.3	20.1
12 17	3 15.59	+31 56.3	2.091	2.967	10.3	20.3
12 27	3 10.38	+31 22.2	2.188	2.981	13.1	20.5

219173 1999 TN_{120} 11 19.7 14.°77 1.°4/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.53	+18 32.9	1.803	2.662	13.3	19.5
10 28	3 58.61	+17 44.3	1.738	2.664	9.6	19.3
11 7	3 51.67	+16 49.4	1.697	2.667	5.5	19.0
11 17	3 43.52	+15 51.5	1.683	2.670	1.7	18.8
11 27	3 35.22	+14 55.8	1.698	2.674	3.9	18.9
12 7	3 27.85	+14 7.2	1.741	2.678	8.0	19.2
12 17	3 22.26	+13 29.8	1.809	2.683	11.8	19.4
12 27	3 19.01	+13 6.3	1.899	2.688	14.9	19.7

104419 2000 FN_{58} 11 19.7 118.°85 3.°4/18.4 18

10 18	4 9.33	+ 9 21.5	2.026	2.871	12.6	19.7
10 28	4 2.55	+ 9 20.8	1.965	2.881	9.3	19.5
11 7	3 53.84	+ 9 23.8	1.928	2.890	5.8	19.3
11 17	3 43.99	+ 9 32.4	1.920	2.899	3.4	19.2
11 27	3 33.99	+ 9 48.3	1.942	2.907	4.9	19.3
12 7	3 24.86	+10 12.7	1.992	2.916	8.2	19.5
12 17	3 17.44	+10 45.7	2.070	2.924	11.4	19.7
12 27	3 12.28	+11 27.2	2.171	2.932	14.2	19.9

145064 2005 GD_{23} 11 19.7 138.°96 1.°9/20.7 18 R

10 18	4 10.67	+25 15.9	2.250	3.074	12.2	20.4
10 28	4 3.56	+25 36.0	2.181	3.085	9.1	20.3
11 7	3 54.45	+25 47.9	2.137	3.095	5.7	20.1
11 17	3 44.13	+25 50.5	2.123	3.105	2.4	19.9
11 27	3 33.62	+25 44.8	2.138	3.115	3.1	19.9
12 7	3 23.96	+25 33.2	2.184	3.124	6.5	20.2
12 17	3 16.01	+25 19.3	2.258	3.132	9.7	20.4
12 27	3 10.39	+25 7.1	2.356	3.140	12.5	20.6

103994 2000 DQ_{95} 11 19.7 173.°81 3.°9/21.5 18

10 18	4 12.38	+29 33.6	1.717	2.543	15.3	19.7
10 28	4 5.51	+29 56.3	1.645	2.545	11.8	19.5
11 7	3 55.88	+30 5.0	1.595	2.546	7.9	19.3
11 17	3 44.48	+29 57.2	1.571	2.547	4.4	19.1
11 27	3 32.71	+29 33.7	1.575	2.548	4.7	19.1
12 7	3 22.06	+28 58.8	1.607	2.548	8.3	19.3
12 17	3 13.74	+28 18.8	1.666	2.548	12.1	19.6
12 27	3 8.50	+27 40.8	1.747	2.548	15.5	19.8

126406 2002 BG_{16} 11 19.7 140.°03 6.°9/15.8 18 R

10 18	4 6.84	+ 2 1.9	1.968	2.812	13.0	19.7
10 28	4 0.70	+ 0 51.9	1.917	2.821	10.2	19.5
11 7	3 52.75	− 0 9.9	1.890	2.830	7.8	19.4
11 17	3 43.76	− 0 57.9	1.890	2.839	6.9	19.4
11 27	3 34.70	− 1 27.3	1.918	2.847	8.2	19.5
12 7	3 26.54	− 1 35.9	1.973	2.854	10.7	19.6
12 17	3 20.03	− 1 24.1	2.052	2.861	13.3	19.8
12 27	3 15.71	− 0 53.7	2.152	2.868	15.6	20.0

310630 2002 BH_{19} 11 19.7 190.°84 5.°7/15.5 18

10 18	4 4.05	− 2 48.7	3.144	3.961	9.3	21.4
10 28	3 58.20	− 3 27.7	3.078	3.959	7.6	21.3
11 7	3 51.16	− 3 58.6	3.038	3.956	6.2	21.2
11 17	3 43.41	− 4 18.2	3.027	3.953	5.7	21.1
11 27	3 35.55	− 4 24.3	3.045	3.949	6.5	21.2
12 7	3 28.19	− 4 15.6	3.091	3.945	8.1	21.3
12 17	3 21.84	− 3 52.6	3.164	3.940	9.8	21.4
12 27	3 16.93	− 3 16.4	3.259	3.934	11.5	21.5

53159 Mysliveček 11 19.7 335.°82 5.°3/17.4 18

10 18	4 5.58	+10 17.9	1.340	2.213	16.0	18.5
10 28	4 0.71	+ 9 21.1	1.277	2.207	12.0	18.3
11 7	3 53.16	+ 8 25.4	1.235	2.201	7.8	18.0
11 17	3 43.89	+ 7 37.1	1.218	2.195	5.3	17.9
11 27	3 34.30	+ 7 3.0	1.227	2.190	7.5	18.0
12 7	3 25.82	+ 6 47.7	1.260	2.185	11.7	18.2
12 17	3 19.60	+ 6 53.2	1.316	2.181	15.9	18.5
12 27	3 16.38	+ 7 18.9	1.391	2.178	19.5	18.7

277082 2005 EH_{173} 11 19.7 301.°49 2.°8/21.4 18

10 18	4 5.12	+28 44.2	2.226	3.052	12.3	20.6
10 28	3 59.78	+28 48.5	2.136	3.038	9.4	20.4
11 7	3 52.42	+28 41.6	2.071	3.025	6.2	20.2
11 17	3 43.72	+28 22.8	2.033	3.011	3.2	20.0
11 27	3 34.69	+27 53.3	2.023	2.998	3.5	20.0
12 7	3 26.35	+27 16.5	2.043	2.985	6.7	20.1
12 17	3 19.61	+26 36.8	2.090	2.972	10.0	20.3
12 27	3 15.14	+25 59.3	2.161	2.960	13.0	20.5

324934 2007 XZ_{20} 11 19.7 14.°52 1.°1/20.2 18

10 18	4 7.11	+24 6.3	1.066	1.940	19.2	20.2
10 28	4 2.45	+23 43.8	1.011	1.942	14.2	20.0
11 7	3 54.38	+23 5.6	0.975	1.945	8.5	19.7
11 17	3 44.17	+22 13.6	0.962	1.949	2.4	19.3
11 27	3 33.69	+21 13.9	0.973	1.954	4.5	19.5
12 7	3 24.83	+20 15.3	1.009	1.960	10.4	19.8
12 17	3 18.95	+19 26.1	1.066	1.967	15.7	20.2
12 27	3 16.81	+18 52.3	1.142	1.974	20.1	20.5

350922 2002 TL_{24} 11 19.7 34.°74 2.°8/21.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 8.93	+26 51.5	1.785	2.621	14.4	20.4
10 28	4 2.84	+27 10.7	1.714	2.623	10.9	20.1
11 7	3 54.28	+27 18.6	1.666	2.624	7.0	19.9
11 17	3 44.15	+27 14.1	1.645	2.626	3.3	19.7
11 27	3 33.69	+26 58.3	1.652	2.628	3.9	19.7
12 7	3 24.24	+26 34.6	1.687	2.630	7.7	20.0
12 17	3 16.86	+26 8.3	1.748	2.632	11.5	20.2
12 27	3 12.27	+25 44.6	1.831	2.635	14.8	20.4

482908 2014 HT_{31} 11 19.7 8.°85 0.°9/19.9 18

10 18	4 11.33	+18 3.3	1.283	2.148	17.2	19.9
10 28	4 5.26	+19 8.6	1.222	2.149	12.7	19.6
11 7	3 55.98	+20 13.1	1.183	2.152	7.4	19.4
11 17	3 44.55	+21 13.8	1.168	2.155	1.9	19.0
11 27	3 32.61	+22 8.5	1.180	2.160	4.2	19.2
12 7	3 21.93	+22 57.2	1.219	2.166	9.6	19.5
12 17	3 13.93	+23 41.7	1.281	2.173	14.4	19.8
12 27	3 9.49	+24 25.1	1.365	2.181	18.3	20.1

411162 2010 BW_{95} 11 19.8 72.°91 6.°3/23.3 18

10 18	4 14.51	+38 11.9	2.209	2.985	14.0	21.3
10 28	4 6.60	+39 9.1	2.157	3.014	11.3	21.2
11 7	3 56.30	+39 48.9	2.130	3.042	8.7	21.1
11 17	3 44.56	+40 7.8	2.128	3.070	6.7	21.0
11 27	3 32.68	+40 5.1	2.155	3.098	6.5	21.0
12 7	3 21.95	+39 44.2	2.211	3.125	8.0	21.2
12 17	3 13.36	+39 10.7	2.293	3.153	10.2	21.4
12 27	3 7.56	+38 31.4	2.399	3.180	12.4	21.6

20207 Dyckovsky 11 19.8 130.°31 3.°1/21.4 18

10 18	4 8.34	+29 10.9	2.317	3.134	12.2	18.9
10 28	4 1.94	+29 32.5	2.244	3.140	9.3	18.8
11 7	3 53.58	+29 43.5	2.196	3.146	6.2	18.6
11 17	3 43.98	+29 42.7	2.176	3.151	3.5	18.4
11 27	3 34.15	+29 30.6	2.185	3.157	3.7	18.4
12 7	3 25.13	+29 10.0	2.224	3.162	6.5	18.6
12 17	3 17.76	+28 44.9	2.290	3.167	9.5	18.8
12 27	3 12.66	+28 19.9	2.381	3.172	12.2	19.0

274829 2009 PT_{14} 11 19.8 69.°96 2.°3/18.8 18

10 18	4 11.38	+15 59.1	1.323	2.187	16.8	20.7
10 28	4 4.58	+15 26.4	1.284	2.211	12.1	20.5
11 7	3 55.14	+14 50.6	1.266	2.236	7.0	20.3
11 17	3 44.29	+14 15.3	1.274	2.260	2.6	20.1
11 27	3 33.55	+13 45.4	1.309	2.284	5.0	20.3
12 7	3 24.36	+13 25.3	1.371	2.308	9.8	20.6
12 17	3 17.71	+13 18.0	1.456	2.332	14.0	21.0
12 27	3 14.15	+13 24.5	1.562	2.356	17.4	21.2

523294 2017 BB_{80} 11 19.8 179.°67 0.°2/19.9 18

10 18	4 5.39	+22 1.8	2.090	2.933	12.3	21.1
10 28	3 59.82	+21 35.2	2.016	2.934	9.0	20.9
11 7	3 52.34	+21 0.6	1.967	2.934	5.2	20.6
11 17	3 43.71	+20 19.7	1.946	2.934	1.2	20.4
11 27	3 34.89	+19 35.7	1.955	2.934	2.9	20.5
12 7	3 26.89	+18 52.9	1.992	2.934	6.9	20.7
12 17	3 20.53	+18 15.3	2.057	2.933	10.4	21.0
12 27	3 16.39	+17 46.6	2.145	2.933	13.5	21.2

227895 2007 EY_{112} 11 19.8 61.°74 2.°8/17.9 18

10 18	4 3.52	+14 10.6	2.079	2.934	11.9	20.2
10 28	3 58.32	+13 11.9	2.017	2.940	8.6	20.1
11 7	3 51.41	+12 10.9	1.980	2.947	5.2	19.9
11 17	3 43.50	+11 11.7	1.972	2.953	2.8	19.7
11 27	3 35.50	+10 18.9	1.992	2.960	4.6	19.9
12 7	3 28.31	+ 9 36.5	2.041	2.966	7.9	20.1
12 17	3 22.65	+ 9 7.4	2.117	2.973	11.1	20.3
12 27	3 19.04	+ 8 52.8	2.215	2.979	13.8	20.5

483082 2015 MP_{5} 11 19.8 353.°06 2.°0/20.9 18

10 18	4 5.02	+28 41.4	1.370	2.223	17.0	20.2
10 28	4 0.45	+27 46.6	1.300	2.218	12.8	20.0
11 7	3 53.05	+26 30.6	1.251	2.215	8.0	19.7
11 17	3 43.89	+24 55.8	1.227	2.212	3.0	19.4
11 27	3 34.51	+23 9.2	1.230	2.210	4.0	19.4
12 7	3 26.43	+21 21.4	1.259	2.209	9.0	19.7
12 17	3 20.82	+19 42.7	1.313	2.209	13.8	20.0
12 27	3 18.36	+18 21.0	1.389	2.209	17.8	20.3

82908 2001 QU_{100} 11 19.8 204.°12 0.°5/20.0 18

10 18	4 9.83	+22 51.9	1.800	2.641	14.0	20.1
10 28	4 3.39	+22 30.4	1.722	2.638	10.4	19.8
11 7	3 54.57	+21 58.9	1.669	2.634	6.1	19.6
11 17	3 44.22	+21 18.6	1.643	2.630	1.5	19.3
11 27	3 33.59	+20 32.9	1.646	2.625	3.4	19.4
12 7	3 23.93	+19 46.8	1.677	2.619	7.9	19.7
12 17	3 16.29	+19 5.7	1.736	2.613	12.0	19.9
12 27	3 11.35	+18 34.2	1.816	2.607	15.4	20.1

439713 2014 LQ_{20} 11 19.8 124°.06 3°.3/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 6.07	+11 43.2	1.898	2.753	12.9	20.8
10 28	4 0.37	+11 9.5	1.833	2.755	9.4	20.6
11 7	3 52.68	+10 36.4	1.792	2.757	5.8	20.4
11 17	3 43.79	+10 7.2	1.779	2.759	3.4	20.3
11 27	3 34.73	+ 9 45.6	1.794	2.761	5.1	20.4
12 7	3 26.53	+ 9 34.7	1.837	2.762	8.6	20.6
12 17	3 20.03	+ 9 36.2	1.906	2.764	12.1	20.8
12 27	3 15.84	+ 9 50.7	1.997	2.766	15.0	21.0

431694 2008 DB_{70} 11 19.8 223°.86 2°.3/18.7 18

10 18	4 9.55	+15 32.9	1.618	2.474	14.6	21.5
10 28	4 3.33	+15 0.8	1.544	2.468	10.7	21.3
11 7	3 54.60	+14 24.8	1.493	2.461	6.3	21.0
11 17	3 44.25	+13 48.3	1.469	2.454	2.5	20.8
11 27	3 33.54	+13 15.6	1.474	2.447	4.8	20.9
12 7	3 23.83	+12 51.2	1.506	2.440	9.4	21.1
12 17	3 16.21	+12 38.7	1.563	2.432	13.6	21.4
12 27	3 11.42	+12 40.0	1.641	2.424	17.2	21.6

137509 1999 VA_{29} 11 19.8 317°.47 0°.5/19.9 18 R

10 18	4 8.74	+20 33.9	1.278	2.144	17.1	19.2
10 28	4 3.54	+20 44.9	1.203	2.131	12.7	18.9
11 7	3 55.10	+20 48.6	1.149	2.119	7.5	18.6
11 17	3 44.41	+20 45.1	1.120	2.107	1.8	18.2
11 27	3 33.06	+20 36.4	1.116	2.096	4.3	18.3
12 7	3 22.83	+20 26.4	1.137	2.085	10.0	18.6
12 17	3 15.21	+20 20.2	1.181	2.074	15.2	18.9
12 27	3 11.15	+20 22.4	1.245	2.065	19.5	19.1

318300 2004 TW_{82} 11 19.8 14°.42 2°.1/20.5 17

10 18	4 8.61	+24 16.4	1.028	1.902	19.7	20.4
10 28	4 3.75	+24 22.6	0.974	1.904	14.7	20.2
11 7	3 55.26	+24 14.4	0.938	1.907	8.9	19.9
11 17	3 44.42	+23 51.6	0.925	1.911	3.1	19.5
11 27	3 33.21	+23 17.7	0.935	1.916	4.7	19.7
12 7	3 23.68	+22 39.8	0.969	1.922	10.6	20.0
12 17	3 17.32	+22 6.2	1.025	1.928	16.0	20.3
12 27	3 14.92	+21 43.1	1.099	1.936	20.4	20.7

283876 2003 YP_{35} 11 19.8 19°.70 0°.2/19.9 18

10 18	4 2.52	+22 54.0	0.997	1.882	19.2	18.8
10 28	3 58.92	+22 15.3	0.960	1.897	14.0	18.6
11 7	3 52.20	+21 22.7	0.942	1.914	8.1	18.3
11 17	3 43.70	+20 20.9	0.946	1.934	1.8	18.0
11 27	3 35.22	+19 17.4	0.974	1.955	4.4	18.3
12 7	3 28.44	+18 20.9	1.025	1.978	10.1	18.7
12 17	3 24.45	+17 38.0	1.099	2.002	15.1	19.0
12 27	3 23.81	+17 12.4	1.191	2.028	19.1	19.4

224671 2006 AM_{44} 11 19.8 52°.73 5°.4/17.3 18

10 18	4 5.38	+ 4 44.2	1.939	2.789	12.8	19.5
10 28	3 59.69	+ 4 14.0	1.889	2.802	9.7	19.4
11 7	3 52.20	+ 3 50.9	1.863	2.816	6.9	19.2
11 17	3 43.69	+ 3 38.8	1.864	2.829	5.4	19.2
11 27	3 35.12	+ 3 40.4	1.894	2.843	6.7	19.3
12 7	3 27.44	+ 3 57.1	1.950	2.857	9.4	19.5
12 17	3 21.41	+ 4 28.4	2.032	2.871	12.2	19.7
12 27	3 17.53	+ 5 12.7	2.135	2.885	14.7	19.9

43268 2000 DP_{93} 11 19.8 258°.91 3°.9/21.4 18

10 18	4 11.12	+29 9.1	1.554	2.389	16.2	19.2
10 28	4 4.91	+29 29.4	1.478	2.384	12.5	19.0
11 7	3 55.71	+29 35.0	1.424	2.379	8.3	18.7
11 17	3 44.53	+29 23.4	1.396	2.374	4.5	18.5
11 27	3 32.86	+28 55.3	1.394	2.369	4.9	18.5
12 7	3 22.34	+28 15.7	1.420	2.364	8.8	18.7
12 17	3 14.28	+27 31.5	1.471	2.359	13.1	19.0
12 27	3 9.53	+26 50.4	1.543	2.353	16.8	19.2

17152 1999 JA_{118} 11 19.8 138°.97 1°.1/20.4 18

10 18	4 8.39	+25 20.9	1.731	2.573	14.5	17.0
10 28	4 2.32	+24 43.9	1.662	2.576	10.8	16.7
11 7	3 53.91	+23 53.9	1.616	2.580	6.4	16.5
11 17	3 44.08	+22 52.5	1.597	2.584	2.0	16.2
11 27	3 34.11	+21 44.4	1.607	2.587	3.3	16.3
12 7	3 25.24	+20 35.9	1.646	2.590	7.8	16.6
12 17	3 18.45	+19 33.7	1.711	2.593	11.9	16.9
12 27	3 14.37	+18 43.0	1.798	2.595	15.3	17.1

262111 2006 SL_{1} 11 19.8 168°.27 0°.8/19.3 18

10 18	4 6.34	+19 8.7	1.967	2.816	12.7	21.1
10 28	4 0.58	+18 38.8	1.896	2.817	9.3	20.9
11 7	3 52.83	+18 2.9	1.850	2.818	5.3	20.6
11 17	3 43.85	+17 23.2	1.831	2.819	1.3	20.3
11 27	3 34.69	+16 43.3	1.842	2.820	3.4	20.5
12 7	3 26.39	+16 7.5	1.882	2.820	7.5	20.8
12 17	3 19.82	+15 39.3	1.948	2.821	11.1	21.0
12 27	3 15.56	+15 21.6	2.037	2.821	14.2	21.2

20752 2000 AP_{200} 11 19.8 340°.19 8°.4/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 1.39	+ 1 9.8	1.642	2.502	14.2	17.7
10 28	3 57.26	− 0 13.2	1.578	2.490	11.4	17.5
11 7	3 51.03	− 1 27.3	1.538	2.479	9.1	17.3
11 17	3 43.47	− 2 24.9	1.523	2.469	8.5	17.3
11 27	3 35.64	− 2 59.3	1.532	2.459	10.0	17.3
12 7	3 28.65	− 3 7.3	1.566	2.450	12.7	17.5
12 17	3 23.39	− 2 48.8	1.622	2.443	15.7	17.6
12 27	3 20.53	− 2 6.5	1.697	2.436	18.4	17.8

451217 2009 XE_{11} 11 19.8 258°.79 2°.7/17.3 16

10 18	4 3.17	+ 7 52.1	3.842	4.673	7.4	23.8
10 28	3 57.55	+ 7 26.1	3.736	4.642	5.6	23.6
11 7	3 50.84	+ 7 1.5	3.657	4.611	3.7	23.5
11 17	3 43.41	+ 6 40.3	3.609	4.579	2.7	23.4
11 27	3 35.76	+ 6 24.4	3.593	4.546	3.7	23.4
12 7	3 28.40	+ 6 15.4	3.609	4.512	5.6	23.5
12 17	3 21.80	+ 6 14.4	3.653	4.477	7.6	23.6
12 27	3 16.38	+ 6 21.8	3.723	4.442	9.5	23.7

251832 1999 TW_{209} 11 19.8 16°.44 1°.5/19.2 18

10 18	4 5.66	+15 39.5	1.615	2.477	14.3	19.5
10 28	4 0.40	+15 41.3	1.555	2.483	10.4	19.3
11 7	3 52.84	+15 41.5	1.519	2.489	6.0	19.1
11 17	3 43.86	+15 41.7	1.509	2.496	1.9	18.8
11 27	3 34.68	+15 44.2	1.527	2.503	4.1	19.0
12 7	3 26.51	+15 51.4	1.571	2.512	8.4	19.3
12 17	3 20.32	+16 5.4	1.641	2.521	12.4	19.5
12 27	3 16.78	+16 27.4	1.732	2.531	15.7	19.8

344634 2003 OW_{31} 11 19.8 55°.52 5°.0/17.6 18

10 18	4 7.08	+ 9 59.7	1.454	2.320	15.4	19.7
10 28	4 1.34	+ 9 3.8	1.411	2.337	11.4	19.5
11 7	3 53.29	+ 8 10.9	1.390	2.353	7.3	19.3
11 17	3 43.94	+ 7 26.6	1.394	2.370	5.0	19.2
11 27	3 34.59	+ 6 56.2	1.426	2.388	6.9	19.4
12 7	3 26.50	+ 6 43.2	1.483	2.405	10.6	19.6
12 17	3 20.56	+ 6 48.4	1.564	2.423	14.2	19.9
12 27	3 17.33	+ 7 10.8	1.666	2.440	17.3	20.2

157748 2006 CP_{18} 11 19.8 325°.72 0°.3/19.6 18

10 18	4 4.50	+20 16.1	2.115	2.962	12.0	20.3
10 28	3 59.19	+19 53.6	2.040	2.960	8.8	20.1
11 7	3 52.01	+19 24.8	1.991	2.958	5.1	19.9
11 17	3 43.68	+18 51.5	1.968	2.956	1.1	19.6
11 27	3 35.15	+18 16.7	1.976	2.954	3.0	19.7
12 7	3 27.38	+17 44.0	2.012	2.952	6.9	20.0
12 17	3 21.18	+17 17.0	2.075	2.951	10.4	20.2
12 27	3 17.14	+16 58.6	2.162	2.949	13.4	20.4

293024 2006 WS_{59} 11 19.8 24°.59 2°.2/20.7 18

10 18	4 7.56	+24 48.3	1.498	2.351	15.8	20.2
10 28	4 2.08	+25 7.3	1.440	2.359	11.8	20.0
11 7	3 53.93	+25 15.6	1.404	2.367	7.3	19.7
11 17	3 44.12	+25 12.3	1.392	2.377	2.9	19.5
11 27	3 34.07	+24 59.3	1.408	2.387	3.9	19.6
12 7	3 25.23	+24 40.4	1.450	2.398	8.3	19.9
12 17	3 18.71	+24 21.0	1.518	2.409	12.5	20.2
12 27	3 15.21	+24 6.0	1.606	2.421	16.1	20.4

256265 2006 WA_{74} 11 19.8 170°.09 0°.5/20.1 18

10 18	4 6.22	+23 2.0	2.070	2.910	12.5	21.3
10 28	4 0.46	+22 35.9	1.996	2.911	9.2	21.1
11 7	3 52.75	+22 0.8	1.947	2.912	5.4	20.9
11 17	3 43.84	+21 18.4	1.926	2.913	1.4	20.6
11 27	3 34.77	+20 31.8	1.935	2.914	2.9	20.8
12 7	3 26.54	+19 45.5	1.972	2.914	6.9	21.0
12 17	3 19.99	+19 3.9	2.037	2.915	10.5	21.2
12 27	3 15.72	+18 30.9	2.126	2.915	13.5	21.4

518465 2005 JB_{149} 11 19.8 220°.36 0°.3/19.9 18

10 18	4 8.40	+20 55.8	2.133	2.972	12.3	21.9
10 28	4 2.11	+20 56.1	2.050	2.965	9.0	21.7
11 7	3 53.76	+20 50.6	1.993	2.958	5.3	21.5
11 17	3 44.09	+20 39.6	1.964	2.951	1.3	21.2
11 27	3 34.10	+20 24.9	1.964	2.943	3.0	21.3
12 7	3 24.85	+20 9.3	1.995	2.935	6.9	21.6
12 17	3 17.24	+19 56.1	2.053	2.927	10.6	21.8
12 27	3 11.94	+19 48.5	2.134	2.918	13.7	22.0

38779 2000 RH_{22} 11 19.8 5°.35 3°.8/21.3 18

10 18	4 9.09	+28 31.5	1.157	2.015	19.1	18.5
10 28	4 3.99	+28 38.3	1.096	2.015	14.6	18.2
11 7	3 55.37	+28 26.2	1.054	2.015	9.5	18.0
11 17	3 44.48	+27 53.8	1.034	2.016	4.7	17.7
11 27	3 33.18	+27 4.0	1.039	2.017	5.2	17.7
12 7	3 23.44	+26 4.6	1.069	2.019	10.1	18.0
12 17	3 16.72	+25 5.4	1.121	2.022	15.1	18.3
12 27	3 13.85	+24 15.1	1.193	2.025	19.4	18.6

360995 2005 UY_{421} 11 19.8 98°.22 0°.6/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 6.50	+22 29.9	2.084	2.925	12.4	21.6
10 28	4 0.61	+22 18.3	2.017	2.932	9.1	21.4
11 7	3 52.81	+21 59.2	1.975	2.940	5.4	21.2
11 17	3 43.86	+21 33.5	1.961	2.948	1.4	20.9
11 27	3 34.77	+21 3.7	1.976	2.955	2.9	21.0
12 7	3 26.55	+20 33.5	2.021	2.963	6.7	21.3
12 17	3 20.01	+20 6.7	2.092	2.970	10.2	21.5
12 27	3 15.72	+19 46.5	2.188	2.978	13.2	21.7

50986 2000 GC_{94} 11 19.8 23°.55 7°.6/16.4 18

10 18	4 5.05	+ 2 12.8	1.580	2.438	14.8	17.3
10 28	3 59.84	+ 1 16.1	1.529	2.443	11.6	17.1
11 7	3 52.46	+ 0 29.8	1.501	2.448	8.8	16.9
11 17	3 43.80	− 0 0.2	1.498	2.453	7.6	16.9
11 27	3 35.00	− 0 9.0	1.521	2.459	9.1	17.0
12 7	3 27.23	+ 0 5.2	1.569	2.466	11.9	17.2
12 17	3 21.38	+ 0 41.1	1.640	2.473	14.9	17.4
12 27	3 18.05	+ 1 35.8	1.730	2.480	17.6	17.6

75631 2000 AV_{51} 11 19.8 44°.59 4°.8/21.8 18

10 18	4 11.63	+30 19.3	1.123	1.975	19.9	17.7
10 28	4 5.64	+30 37.7	1.080	1.993	15.3	17.5
11 7	3 56.15	+30 35.0	1.055	2.012	10.1	17.3
11 17	3 44.62	+30 9.5	1.054	2.032	5.7	17.1
11 27	3 33.06	+29 24.2	1.077	2.052	5.8	17.2
12 7	3 23.41	+28 27.5	1.125	2.073	10.0	17.5
12 17	3 16.95	+27 29.4	1.195	2.094	14.5	17.8
12 27	3 14.33	+26 38.5	1.286	2.116	18.4	18.1

408055 2012 FX_{75} 11 19.8 184°.00 3°.7/22.0 17

10 18	4 7.57	+31 49.1	2.357	3.166	12.2	20.6
10 28	4 1.46	+32 3.4	2.278	3.166	9.5	20.4
11 7	3 53.37	+32 5.2	2.223	3.166	6.6	20.2
11 17	3 44.03	+31 53.3	2.195	3.166	4.1	20.1
11 27	3 34.44	+31 28.3	2.197	3.165	4.1	20.1
12 7	3 25.62	+30 53.4	2.228	3.165	6.6	20.2
12 17	3 18.45	+30 13.2	2.286	3.164	9.5	20.4
12 27	3 13.55	+29 32.9	2.369	3.163	12.2	20.6

269904 2000 HW_{17} 11 19.8 160°.43 0°.1/19.7 18 R

10 18	4 9.75	+21 4.8	1.845	2.688	13.7	21.6
10 28	4 3.19	+20 41.8	1.776	2.693	10.0	21.3
11 7	3 54.40	+20 10.9	1.731	2.698	5.8	21.1
11 17	3 44.26	+19 33.8	1.714	2.702	1.3	20.8
11 27	3 33.93	+18 53.8	1.727	2.705	3.3	21.0
12 7	3 24.61	+18 15.6	1.768	2.708	7.7	21.3
12 17	3 17.24	+17 43.6	1.836	2.711	11.6	21.5
12 27	3 12.45	+17 21.4	1.927	2.713	14.8	21.7

436797 2012 QG_{16} 11 19.8 137°.23 0°.6/19.5 15

10 18	4 10.28	+19 47.5	1.872	2.716	13.5	22.5
10 28	4 3.44	+19 19.1	1.810	2.728	9.8	22.3
11 7	3 54.47	+18 44.0	1.773	2.740	5.6	22.1
11 17	3 44.27	+18 4.4	1.763	2.751	1.3	21.8
11 27	3 33.97	+17 23.9	1.783	2.761	3.4	22.0
12 7	3 24.73	+16 46.9	1.833	2.771	7.7	22.3
12 17	3 17.42	+16 17.5	1.909	2.780	11.4	22.5
12 27	3 12.63	+15 58.6	2.008	2.788	14.5	22.8

299075 2005 EX_{10} 11 19.8 255°.95 1°.4/18.9 18

10 18	4 6.61	+17 46.4	1.906	2.757	13.0	21.6
10 28	4 0.97	+17 11.2	1.824	2.746	9.5	21.3
11 7	3 53.19	+16 30.3	1.766	2.734	5.5	21.1
11 17	3 44.02	+15 46.3	1.736	2.723	1.7	20.8
11 27	3 34.53	+15 3.3	1.735	2.711	3.9	20.9
12 7	3 25.83	+14 25.7	1.763	2.699	8.1	21.2
12 17	3 18.87	+13 57.6	1.816	2.686	12.0	21.4
12 27	3 14.33	+13 41.6	1.892	2.674	15.3	21.6

242285 2003 UJ_{141} 11 19.8 57°.57 5°.8/17.5 18

10 18	4 8.03	+ 6 41.6	1.495	2.356	15.3	20.2
10 28	4 1.97	+ 6 0.0	1.454	2.375	11.5	20.0
11 7	3 53.66	+ 5 25.4	1.435	2.393	7.8	19.8
11 17	3 44.08	+ 5 2.6	1.441	2.411	5.8	19.8
11 27	3 34.52	+ 4 55.8	1.475	2.430	7.4	19.9
12 7	3 26.19	+ 5 6.7	1.534	2.449	10.8	20.2
12 17	3 19.98	+ 5 34.8	1.617	2.468	14.2	20.4
12 27	3 16.45	+ 6 18.1	1.720	2.488	17.1	20.7

248394 2005 SM_{38} 11 19.8 112°.37 1°.1/19.1 18

10 18	4 5.58	+18 5.9	2.053	2.903	12.3	20.5
10 28	3 59.95	+17 36.3	1.986	2.907	8.9	20.3
11 7	3 52.45	+17 1.9	1.943	2.911	5.1	20.1
11 17	3 43.84	+16 25.1	1.928	2.915	1.4	19.8
11 27	3 35.07	+15 49.3	1.943	2.919	3.4	20.0
12 7	3 27.13	+15 18.2	1.986	2.923	7.3	20.2
12 17	3 20.82	+14 55.0	2.057	2.927	10.7	20.5
12 27	3 16.70	+14 42.0	2.150	2.931	13.7	20.7

452718 2005 YV_{187} 11 19.8 7°.90 3°.9/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 4.11	+10 56.7	1.556	2.424	14.5	20.3
10 28	3 59.32	+10 33.3	1.498	2.426	10.7	20.1
11 7	3 52.27	+10 12.1	1.462	2.428	6.7	19.9
11 17	3 43.81	+ 9 57.0	1.451	2.432	3.9	19.7
11 27	3 35.15	+ 9 51.5	1.468	2.436	5.7	19.8
12 7	3 27.48	+ 9 58.2	1.510	2.441	9.6	20.1
12 17	3 21.77	+10 18.2	1.577	2.447	13.4	20.3
12 27	3 18.65	+10 51.1	1.664	2.454	16.7	20.5

14472 1993 SQ_{14} 11 19.8 22°.35 2°.7/17.9 18

10 18	4 7.66	+27 30.1	0.823	1.706	22.4	16.9
10 28	4 3.15	+24 3.9	0.772	1.711	16.3	16.6
11 7	3 54.80	+19 58.2	0.742	1.716	9.2	16.2
11 17	3 44.34	+15 32.2	0.735	1.723	2.8	15.9
11 27	3 34.06	+11 16.0	0.755	1.730	7.6	16.2
12 7	3 25.97	+ 7 37.8	0.799	1.739	14.5	16.6
12 17	3 21.30	+ 4 53.3	0.864	1.748	20.3	17.0
12 27	3 20.56	+ 3 4.4	0.946	1.759	24.8	17.4

156083 2001 SG_{167} 11 19.8 347°.56 2°.6/20.6 18

10 18	4 9.76	+24 10.7	1.313	2.171	17.3	19.6
10 28	4 4.26	+24 46.9	1.245	2.166	13.0	19.3
11 7	3 55.53	+25 13.4	1.197	2.162	8.1	19.0
11 17	3 44.59	+25 27.9	1.174	2.158	3.4	18.7
11 27	3 33.09	+25 30.5	1.177	2.155	4.5	18.8
12 7	3 22.81	+25 24.6	1.205	2.153	9.5	19.1
12 17	3 15.20	+25 15.6	1.257	2.152	14.3	19.4
12 27	3 11.16	+25 9.6	1.330	2.151	18.4	19.6

242903 2006 KW_{114} 11 19.8 173°.69 7°.2/14.9 18

10 18	4 5.93	− 1 25.5	2.353	3.182	11.6	21.1
10 28	3 59.90	− 2 39.7	2.296	3.185	9.4	20.9
11 7	3 52.31	− 3 45.0	2.264	3.188	7.7	20.8
11 17	3 43.81	− 4 35.9	2.261	3.190	7.2	20.8
11 27	3 35.20	− 5 8.4	2.285	3.192	8.3	20.9
12 7	3 27.30	− 5 20.3	2.337	3.192	10.3	21.0
12 17	3 20.77	− 5 11.9	2.413	3.192	12.4	21.2
12 27	3 16.13	− 4 45.0	2.509	3.192	14.4	21.3

294990 2008 EJ_{21} 11 19.8 123°.04 3°.8/17.5 18

10 18	4 5.75	+ 8 11.9	2.373	3.217	11.0	20.9
10 28	3 59.73	+ 7 37.3	2.317	3.231	8.2	20.7
11 7	3 52.18	+ 7 5.9	2.287	3.244	5.4	20.6
11 17	3 43.78	+ 6 40.6	2.286	3.257	3.8	20.5
11 27	3 35.31	+ 6 24.5	2.314	3.270	5.1	20.6
12 7	3 27.59	+ 6 19.3	2.372	3.282	7.7	20.8
12 17	3 21.26	+ 6 26.0	2.456	3.294	10.4	21.0
12 27	3 16.80	+ 6 44.3	2.563	3.305	12.7	21.2

239130 2006 JE_{6} 11 19.8 194°.99 1°.4/19.1 18

10 18	4 7.87	+16 50.8	1.862	2.713	13.2	21.3
10 28	4 1.84	+16 30.4	1.790	2.712	9.7	21.1
11 7	3 53.66	+16 6.2	1.743	2.711	5.6	20.8
11 17	3 44.13	+15 40.3	1.723	2.710	1.7	20.6
11 27	3 34.36	+15 16.0	1.732	2.708	3.9	20.7
12 7	3 25.47	+14 56.9	1.770	2.706	8.0	21.0
12 17	3 18.39	+14 45.9	1.834	2.704	11.8	21.2
12 27	3 13.79	+14 45.2	1.920	2.702	15.0	21.4

434460 2005 QT_{33} 11 19.8 1°.47 6°.4/17.2 18

10 18	4 5.42	+ 8 40.7	1.217	2.094	17.0	20.2
10 28	4 0.75	+ 7 37.0	1.162	2.093	12.8	20.0
11 7	3 53.28	+ 6 37.1	1.128	2.092	8.6	19.8
11 17	3 44.06	+ 5 48.4	1.118	2.092	6.4	19.6
11 27	3 34.59	+ 5 18.0	1.133	2.093	8.5	19.8
12 7	3 26.37	+ 5 10.4	1.171	2.095	12.6	20.0
12 17	3 20.56	+ 5 26.2	1.231	2.097	16.7	20.3
12 27	3 17.88	+ 6 3.6	1.309	2.100	20.3	20.5

213150 2000 KN_{54} 11 19.8 166°.80 6°.0/16.4 18

10 18	4 6.68	− 0 13.7	2.515	3.343	11.0	20.9
10 28	4 0.36	− 0 49.4	2.455	3.348	8.7	20.8
11 7	3 52.55	− 1 16.5	2.420	3.352	6.8	20.7
11 17	3 43.86	− 1 31.5	2.413	3.356	6.0	20.6
11 27	3 35.08	− 1 31.7	2.435	3.359	7.0	20.7
12 7	3 26.96	− 1 16.0	2.486	3.362	9.0	20.8
12 17	3 20.16	− 0 45.1	2.563	3.364	11.2	21.0
12 27	3 15.16	− 0 0.5	2.662	3.365	13.2	21.1

295550 2008 SC_{21} 11 19.8 44°.00 4°.4/22.5 17

10 18	4 7.19	+33 41.9	2.233	3.038	12.9	21.2
10 28	4 1.31	+33 58.4	2.157	3.041	10.2	21.0
11 7	3 53.34	+34 0.5	2.106	3.043	7.3	20.9
11 17	3 44.06	+33 46.8	2.081	3.046	4.9	20.7
11 27	3 34.54	+33 17.9	2.084	3.049	4.7	20.7
12 7	3 25.88	+32 37.5	2.116	3.052	7.0	20.9
12 17	3 18.99	+31 50.5	2.175	3.055	9.8	21.1
12 27	3 14.48	+31 2.9	2.259	3.057	12.5	21.2

288209 2003 YM_{29} 11 19.8 352°.86 4°.5/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 6.57	+31 7.8	1.142	1.998	19.4	19.8
10 28	4 2.25	+30 56.4	1.077	1.993	15.1	19.5
11 7	3 54.45	+30 21.0	1.031	1.990	10.1	19.2
11 17	3 44.35	+29 20.6	1.007	1.987	5.4	18.9
11 27	3 33.85	+27 59.5	1.007	1.985	5.5	18.9
12 7	3 24.90	+26 27.9	1.032	1.984	10.2	19.2
12 17	3 18.96	+24 57.8	1.079	1.984	15.2	19.5
12 27	3 16.83	+23 39.7	1.146	1.985	19.6	19.8

258311 2001 UY_{185} 11 19.8 10°.33 3°.9/21.3 17

10 18	4 9.17	+28 4.9	1.633	2.470	15.4	20.5
10 28	4 3.34	+28 45.9	1.564	2.472	11.8	20.3
11 7	3 54.78	+29 15.1	1.519	2.474	7.8	20.0
11 17	3 44.42	+29 29.6	1.498	2.476	4.4	19.8
11 27	3 33.65	+29 29.4	1.505	2.479	4.8	19.9
12 7	3 23.95	+29 17.6	1.539	2.482	8.4	20.1
12 17	3 16.52	+28 59.4	1.599	2.486	12.2	20.3
12 27	3 12.14	+28 40.9	1.680	2.491	15.6	20.6

210616 2000 DO_{24} 11 19.8 241°.42 5°.7/22.9 17

10 18	4 10.89	+36 22.6	2.104	2.897	14.0	20.7
10 28	4 4.35	+36 49.5	2.015	2.887	11.4	20.5
11 7	3 55.29	+37 0.0	1.950	2.877	8.5	20.3
11 17	3 44.53	+36 50.6	1.910	2.866	6.2	20.2
11 27	3 33.32	+36 21.1	1.899	2.856	5.9	20.1
12 7	3 22.99	+35 34.9	1.915	2.845	8.0	20.2
12 17	3 14.68	+34 38.0	1.959	2.833	11.0	20.4
12 27	3 9.16	+33 38.0	2.026	2.822	13.9	20.6

109249 2001 QV_{102} 11 19.8 25°.45 3°.4/21.9 18

10 18	4 5.70	+31 11.3	2.329	3.144	12.2	19.7
10 28	4 0.10	+31 16.6	2.253	3.145	9.4	19.5
11 7	3 52.59	+31 9.5	2.200	3.147	6.4	19.3
11 17	3 43.90	+30 49.2	2.175	3.148	3.8	19.1
11 27	3 35.00	+30 17.0	2.179	3.150	3.8	19.1
12 7	3 26.89	+29 36.4	2.212	3.151	6.4	19.3
12 17	3 20.39	+28 51.9	2.272	3.153	9.4	19.5
12 27	3 16.08	+28 8.7	2.357	3.155	12.1	19.7

139745 2001 QL_{271} 11 19.8 89°.83 1°.4/19.1 18

10 18	4 7.20	+16 51.7	1.878	2.729	13.1	20.1
10 28	4 1.26	+16 34.4	1.815	2.737	9.5	19.9
11 7	3 53.27	+16 13.7	1.776	2.744	5.5	19.7
11 17	3 44.05	+15 51.7	1.765	2.752	1.7	19.4
11 27	3 34.68	+15 31.2	1.783	2.759	3.7	19.6
12 7	3 26.24	+15 15.7	1.829	2.766	7.7	19.9
12 17	3 19.59	+15 7.9	1.902	2.774	11.4	20.1
12 27	3 15.33	+15 9.6	1.997	2.781	14.5	20.3

77372 2001 FL_{136} 11 19.8 199°.68 1°.1/20.2 17

10 18	4 11.30	+21 0.8	2.388	3.216	11.5	19.1
10 28	4 4.11	+21 46.1	2.307	3.215	8.5	18.9
11 7	3 54.94	+22 27.8	2.252	3.214	5.1	18.7
11 17	3 44.45	+23 4.6	2.227	3.213	1.6	18.5
11 27	3 33.58	+23 35.7	2.233	3.211	2.8	18.6
12 7	3 23.37	+24 2.0	2.271	3.210	6.3	18.8
12 17	3 14.68	+24 25.1	2.338	3.208	9.6	19.0
12 27	3 8.18	+24 47.6	2.429	3.207	12.4	19.2

160469 2006 DK_{114} 11 19.8 103°.84 1°.5/20.3 18

10 18	4 13.51	+22 21.8	1.820	2.655	14.2	19.3
10 28	4 5.98	+22 54.0	1.760	2.672	10.5	19.1
11 7	3 56.06	+23 19.4	1.725	2.688	6.3	18.9
11 17	3 44.67	+23 36.4	1.718	2.703	2.1	18.7
11 27	3 33.10	+23 45.7	1.740	2.719	3.4	18.8
12 7	3 22.63	+23 49.4	1.792	2.733	7.5	19.1
12 17	3 14.28	+23 51.2	1.871	2.748	11.3	19.4
12 27	3 8.71	+23 54.9	1.973	2.762	14.4	19.6

58949 1998 QK_{63} 11 19.8 15°.63 2°.5/18.7 18

10 18	4 5.83	+18 36.8	0.968	1.855	19.5	18.3
10 28	4 1.60	+17 33.0	0.918	1.858	14.2	18.0
11 7	3 53.96	+16 18.6	0.888	1.862	8.2	17.7
11 17	3 44.23	+15 0.4	0.880	1.867	2.8	17.4
11 27	3 34.31	+13 48.2	0.895	1.873	6.1	17.6
12 7	3 26.04	+12 51.4	0.934	1.879	12.0	17.9
12 17	3 20.77	+12 16.1	0.993	1.887	17.2	18.3
12 27	3 19.18	+12 4.3	1.070	1.896	21.6	18.6

494978 2009 WJ_{148} 11 19.8 335°.24 3°.1/17.7 17

10 18	4 0.93	+17 19.2	1.610	2.479	14.0	20.7
10 28	3 57.15	+15 44.7	1.527	2.458	10.2	20.4
11 7	3 51.11	+13 59.6	1.468	2.439	6.1	20.1
11 17	3 43.61	+12 10.3	1.437	2.420	3.1	19.9
11 27	3 35.77	+10 25.5	1.433	2.402	5.6	20.0
12 7	3 28.78	+ 8 54.0	1.456	2.386	10.0	20.2
12 17	3 23.62	+ 7 42.2	1.503	2.370	14.1	20.5
12 27	3 21.01	+ 6 53.7	1.571	2.356	17.7	20.7

422003 2014 QE_{321} 11 19.8 118°.27 4°.2/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 8.30	+33 5.9	2.362	3.165	12.4	21.8
10 28	4 2.01	+33 28.2	2.289	3.171	9.7	21.6
11 7	3 53.71	+33 37.4	2.240	3.177	6.9	21.5
11 17	3 44.16	+33 31.9	2.217	3.183	4.6	21.3
11 27	3 34.39	+33 12.2	2.224	3.189	4.5	21.3
12 7	3 25.44	+32 41.3	2.260	3.194	6.7	21.5
12 17	3 18.17	+32 3.7	2.324	3.200	9.4	21.7
12 27	3 13.22	+31 24.8	2.412	3.205	12.0	21.9

456138 2006 DN_{142} 11 19.8 344°.18 4°.2/21.9 17

10 18	4 7.71	+31 20.3	2.051	2.869	13.5	20.4
10 28	4 1.90	+31 50.5	1.973	2.866	10.5	20.2
11 7	3 53.81	+32 7.9	1.919	2.864	7.3	20.0
11 17	3 44.21	+32 10.5	1.891	2.861	4.7	19.9
11 27	3 34.25	+31 58.2	1.891	2.859	4.7	19.9
12 7	3 25.13	+31 34.1	1.920	2.857	7.4	20.0
12 17	3 17.86	+31 3.0	1.975	2.856	10.6	20.2
12 27	3 13.17	+30 30.5	2.053	2.854	13.5	20.4

404252 2013 EX_{31} 11 19.8 163°.55 1°.4/19.1 18

10 18	4 6.60	+16 13.3	2.171	3.017	11.8	21.3
10 28	4 0.65	+15 57.9	2.100	3.019	8.6	21.1
11 7	3 52.88	+15 39.9	2.054	3.022	5.0	20.9
11 17	3 43.99	+15 21.2	2.037	3.024	1.6	20.7
11 27	3 34.92	+15 4.2	2.050	3.025	3.5	20.8
12 7	3 26.61	+14 51.6	2.092	3.027	7.1	21.0
12 17	3 19.84	+14 45.8	2.161	3.028	10.5	21.2
12 27	3 15.20	+14 48.6	2.254	3.029	13.3	21.4

47475 2000 AR_{7} 11 19.8 60°.62 5°.3/22.2 18

10 18	4 12.67	+32 4.6	1.324	2.160	18.5	17.8
10 28	4 6.23	+32 27.3	1.271	2.174	14.4	17.6
11 7	3 56.51	+32 29.6	1.238	2.188	9.9	17.4
11 17	3 44.81	+32 8.9	1.229	2.202	6.1	17.2
11 27	3 32.95	+31 27.0	1.246	2.217	6.0	17.3
12 7	3 22.74	+30 31.0	1.288	2.232	9.5	17.5
12 17	3 15.47	+29 30.1	1.355	2.247	13.7	17.8
12 27	3 11.85	+28 33.6	1.442	2.262	17.3	18.1

163525 2002 TM_{26} 11 19.8 358°.56 3°.8/21.6 17

10 18	4 8.57	+30 9.9	2.295	3.109	12.4	19.1
10 28	4 2.33	+30 51.5	2.217	3.109	9.6	18.9
11 7	3 53.99	+31 22.7	2.163	3.108	6.6	18.7
11 17	3 44.27	+31 41.4	2.137	3.108	4.1	18.6
11 27	3 34.19	+31 47.1	2.140	3.108	4.3	18.6
12 7	3 24.83	+31 41.7	2.173	3.108	6.8	18.8
12 17	3 17.14	+31 28.9	2.232	3.108	9.8	18.9
12 27	3 11.79	+31 13.4	2.316	3.109	12.5	19.1

168063 2006 BH_{266} 11 19.8 214°.68 1°.8/18.5 18

10 18	4 3.27	+14 45.5	2.707	3.551	9.8	21.0
10 28	3 57.96	+14 13.6	2.628	3.546	7.1	20.8
11 7	3 51.23	+13 39.8	2.575	3.541	4.2	20.6
11 17	3 43.63	+13 6.3	2.551	3.535	1.9	20.4
11 27	3 35.86	+12 35.8	2.558	3.529	3.4	20.5
12 7	3 28.65	+12 11.0	2.596	3.523	6.3	20.7
12 17	3 22.61	+11 53.9	2.660	3.517	9.1	20.9
12 27	3 18.24	+11 46.2	2.750	3.510	11.5	21.0

297982 2002 LK_{17} 11 19.8 111°.69 1°.7/19.1 18

10 18	4 11.48	+14 6.5	1.931	2.775	13.1	20.6
10 28	4 4.26	+14 15.2	1.872	2.790	9.6	20.4
11 7	3 54.98	+14 23.8	1.839	2.805	5.6	20.2
11 17	3 44.47	+14 33.2	1.833	2.819	2.0	20.0
11 27	3 33.83	+14 44.9	1.858	2.833	3.8	20.2
12 7	3 24.18	+15 0.5	1.913	2.847	7.7	20.4
12 17	3 16.38	+15 21.3	1.994	2.860	11.2	20.7
12 27	3 11.04	+15 48.5	2.099	2.873	14.2	20.9

19427 1998 FJ_{66} 11 19.8 187°.04 4°.1/21.6 18

10 18	4 11.83	+30 16.7	1.868	2.688	14.5	18.1
10 28	4 5.08	+30 48.6	1.792	2.688	11.3	17.9
11 7	3 55.74	+31 7.4	1.740	2.688	7.7	17.7
11 17	3 44.68	+31 10.4	1.713	2.687	4.6	17.5
11 27	3 33.22	+30 57.6	1.716	2.686	4.8	17.5
12 7	3 22.74	+30 32.4	1.746	2.685	7.9	17.7
12 17	3 14.39	+30 0.3	1.803	2.684	11.5	17.9
12 27	3 8.95	+29 27.8	1.884	2.682	14.7	18.1

311712 2006 SF_{332} 11 19.8 95°.55 0°.3/19.6 18

10 18	4 6.31	+20 57.1	1.928	2.776	13.0	20.9
10 28	4 0.61	+20 22.6	1.862	2.782	9.5	20.7
11 7	3 52.91	+19 40.5	1.820	2.788	5.5	20.5
11 17	3 44.02	+18 52.9	1.806	2.794	1.2	20.2
11 27	3 34.99	+18 3.9	1.821	2.800	3.2	20.4
12 7	3 26.90	+17 18.2	1.865	2.805	7.3	20.6
12 17	3 20.58	+16 39.9	1.935	2.811	11.0	20.9
12 27	3 16.60	+16 12.4	2.029	2.817	14.1	21.1

363677 2004 TN_{87} 11 19.8 98°.29 0°.4/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 5.59	+19 43.3	2.177	3.021	11.8	21.6
10 28	3 59.90	+19 23.3	2.111	3.029	8.6	21.4
11 7	3 52.43	+18 57.9	2.070	3.037	4.9	21.2
11 17	3 43.91	+18 28.7	2.057	3.045	1.1	20.9
11 27	3 35.26	+17 58.6	2.074	3.052	3.0	21.1
12 7	3 27.42	+17 31.0	2.120	3.060	6.7	21.4
12 17	3 21.13	+17 8.9	2.194	3.067	10.0	21.6
12 27	3 16.94	+16 54.8	2.291	3.075	12.9	21.8

23792 Alyssacook 11 19.8 127°.90 3°.9/17.9 18

10 18	4 9.34	+11 59.8	1.626	2.483	14.5	18.3
10 28	4 2.97	+11 8.7	1.570	2.493	10.7	18.1
11 7	3 54.32	+10 17.5	1.537	2.502	6.6	17.9
11 17	3 44.33	+ 9 31.0	1.531	2.510	4.0	17.8
11 27	3 34.24	+ 8 54.2	1.553	2.519	5.9	17.9
12 7	3 25.27	+ 8 31.2	1.603	2.527	9.7	18.2
12 17	3 18.35	+ 8 24.2	1.677	2.534	13.5	18.4
12 27	3 14.09	+ 8 33.3	1.773	2.541	16.6	18.7

329129 2011 CO_{71} 11 19.8 278°.16 4°.5/17.2 18

10 18	4 3.90	+ 6 42.9	2.279	3.127	11.2	20.3
10 28	3 58.64	+ 6 8.5	2.205	3.119	8.5	20.1
11 7	3 51.73	+ 5 38.0	2.155	3.110	5.9	19.9
11 17	3 43.77	+ 5 14.9	2.134	3.102	4.5	19.8
11 27	3 35.60	+ 5 2.4	2.141	3.094	5.8	19.9
12 7	3 28.05	+ 5 2.7	2.177	3.085	8.4	20.0
12 17	3 21.85	+ 5 16.5	2.238	3.077	11.3	20.2
12 27	3 17.56	+ 5 43.6	2.322	3.068	13.8	20.4

223414 2003 SV_{184} 11 19.8 64°.09 0°.3/19.6 18

10 18	4 5.79	+19 29.9	2.097	2.943	12.2	20.9
10 28	4 0.07	+19 19.6	2.037	2.956	8.8	20.7
11 7	3 52.53	+19 4.3	2.002	2.970	5.1	20.5
11 17	3 43.94	+18 45.5	1.995	2.983	1.1	20.2
11 27	3 35.24	+18 25.6	2.018	2.997	3.0	20.4
12 7	3 27.41	+18 7.6	2.070	3.010	6.7	20.7
12 17	3 21.19	+17 54.3	2.149	3.024	10.1	20.9
12 27	3 17.13	+17 48.1	2.251	3.038	12.9	21.1

264266 1995 HW_{2} 11 19.8 218°.75 1°.2/19.3 18

10 18	4 11.27	+17 27.6	1.673	2.523	14.5	21.4
10 28	4 4.67	+17 14.0	1.595	2.516	10.7	21.2
11 7	3 55.50	+16 55.8	1.541	2.509	6.2	20.9
11 17	3 44.64	+16 34.7	1.514	2.501	1.7	20.6
11 27	3 33.38	+16 13.8	1.516	2.493	4.1	20.8
12 7	3 23.07	+15 57.0	1.546	2.484	8.8	21.0
12 17	3 14.85	+15 47.8	1.602	2.475	13.1	21.3
12 27	3 9.50	+15 49.1	1.679	2.465	16.7	21.5

274348 2008 RP_{38} 11 19.8 281°.04 4°.9/22.5 18

10 18	4 8.27	+34 40.6	2.349	3.146	12.6	20.9
10 28	4 2.23	+35 14.3	2.260	3.136	10.1	20.7
11 7	3 54.01	+35 34.7	2.196	3.126	7.4	20.5
11 17	3 44.31	+35 39.2	2.157	3.116	5.3	20.4
11 27	3 34.19	+35 27.4	2.148	3.106	5.2	20.4
12 7	3 24.78	+35 1.4	2.167	3.096	7.2	20.5
12 17	3 17.05	+34 26.0	2.213	3.086	10.0	20.6
12 27	3 11.74	+33 46.9	2.283	3.076	12.6	20.8

389680 2011 QC_{16} 11 19.8 93°.85 7°.4/23.6 18

10 18	4 14.80	+39 4.7	1.842	2.627	16.0	20.6
10 28	4 7.44	+39 57.9	1.780	2.641	13.2	20.4
11 7	3 57.15	+40 31.0	1.740	2.654	10.2	20.3
11 17	3 45.00	+40 39.2	1.724	2.667	8.0	20.2
11 27	3 32.54	+40 21.5	1.735	2.680	7.6	20.2
12 7	3 21.37	+39 42.0	1.773	2.692	9.3	20.3
12 17	3 12.75	+38 48.3	1.837	2.705	11.9	20.5
12 27	3 7.41	+37 49.3	1.923	2.717	14.6	20.7

400618 2009 CA_{45} 11 19.8 264°.37 6°.3/16.9 18

10 18	4 7.31	+ 3 18.8	1.890	2.736	13.3	21.5
10 28	4 1.46	+ 2 40.2	1.814	2.723	10.3	21.3
11 7	3 53.51	+ 2 9.0	1.762	2.709	7.6	21.1
11 17	3 44.20	+ 1 50.0	1.736	2.696	6.3	21.0
11 27	3 34.54	+ 1 47.4	1.739	2.682	7.7	21.1
12 7	3 25.63	+ 2 3.2	1.768	2.668	10.6	21.2
12 17	3 18.39	+ 2 37.3	1.822	2.653	13.7	21.4
12 27	3 13.50	+ 3 28.0	1.897	2.639	16.6	21.6

157521 2005 SK_{161} 11 19.8 308°.29 0°.3/19.9 18

10 18	4 7.65	+21 40.1	1.394	2.255	16.2	20.5
10 28	4 2.56	+21 26.4	1.316	2.241	12.1	20.2
11 7	3 54.52	+21 2.6	1.259	2.228	7.1	19.9
11 17	3 44.47	+20 29.9	1.228	2.215	1.7	19.5
11 27	3 33.86	+19 51.8	1.222	2.202	4.0	19.6
12 7	3 24.31	+19 14.2	1.243	2.190	9.5	19.9
12 17	3 17.15	+18 43.0	1.288	2.178	14.4	20.2
12 27	3 13.25	+18 23.4	1.353	2.167	18.6	20.4

44210 1998 OX_{10} 11 19.8 153°.19 1°.2/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 9.20	+24 46.4	2.262	3.090	12.0	20.4
10 28	4 2.52	+24 34.8	2.192	3.099	8.9	20.3
11 7	3 53.96	+24 14.2	2.146	3.107	5.4	20.1
11 17	3 44.27	+23 45.1	2.129	3.114	1.9	19.8
11 27	3 34.45	+23 9.7	2.142	3.121	2.8	19.9
12 7	3 25.49	+22 31.9	2.186	3.127	6.4	20.2
12 17	3 18.19	+21 55.7	2.258	3.133	9.7	20.4
12 27	3 13.10	+21 25.0	2.354	3.138	12.5	20.6

434762 2006 HA_{153} 11 19.8 166°.30 0°.3/19.5 17

10 18	4 0.30	+17 54.3	4.019	4.852	7.1	21.3
10 28	3 55.47	+17 56.6	3.940	4.854	5.1	21.1
11 7	3 49.68	+17 57.1	3.889	4.855	2.9	21.0
11 17	3 43.32	+17 56.3	3.869	4.856	0.7	20.8
11 27	3 36.84	+17 55.3	3.880	4.857	1.8	20.9
12 7	3 30.72	+17 55.0	3.922	4.858	4.0	21.1
12 17	3 25.37	+17 56.8	3.994	4.859	6.1	21.2
12 27	3 21.15	+18 1.6	4.093	4.860	7.9	21.4

288760 2004 RQ_{81} 11 19.8 7°.69 4°.9/16.9 18

10 18	4 3.70	+ 7 51.0	1.940	2.796	12.5	20.0
10 28	3 58.66	+ 6 56.0	1.877	2.797	9.4	19.8
11 7	3 51.78	+ 6 4.1	1.840	2.797	6.4	19.6
11 17	3 43.80	+ 5 20.2	1.829	2.798	4.9	19.6
11 27	3 35.66	+ 4 48.7	1.846	2.799	6.4	19.7
12 7	3 28.31	+ 4 32.8	1.890	2.800	9.4	19.8
12 17	3 22.55	+ 4 33.6	1.959	2.802	12.5	20.0
12 27	3 18.93	+ 4 50.7	2.050	2.804	15.1	20.2

148433 2000 XW 11 19.8 271°.55 11°.7/17.9 18

10 18	4 19.35	− 6 44.9	1.311	2.137	19.2	19.5
10 28	4 11.34	− 6 58.2	1.232	2.116	16.1	19.3
11 7	3 59.80	− 6 46.6	1.172	2.095	13.2	19.0
11 17	3 45.70	− 6 1.4	1.135	2.073	11.8	18.9
11 27	3 30.70	− 4 37.9	1.125	2.051	12.9	18.9
12 7	3 16.75	− 2 38.5	1.139	2.028	16.1	19.0
12 17	3 5.46	− 0 10.9	1.178	2.005	20.0	19.2
12 27	2 57.91	+ 2 35.3	1.235	1.982	23.6	19.4

292479 2006 ST_{392} 11 19.8 321°.96 3°.8/21.6 18

10 18	4 8.36	+29 32.0	1.786	2.616	14.7	21.1
10 28	4 2.66	+29 54.5	1.708	2.610	11.3	20.8
11 7	3 54.40	+30 3.9	1.652	2.604	7.6	20.6
11 17	3 44.43	+29 58.2	1.622	2.598	4.3	20.4
11 27	3 34.03	+29 37.8	1.619	2.593	4.6	20.4
12 7	3 24.58	+29 6.5	1.645	2.587	8.0	20.6
12 17	3 17.20	+28 30.1	1.696	2.582	11.7	20.8
12 27	3 12.68	+27 54.8	1.770	2.578	15.1	21.0

149100 2002 CH_{174} 11 19.8 191°.92 4°.0/17.1 18

10 18	4 4.27	+ 6 32.0	2.750	3.589	9.8	20.8
10 28	3 58.62	+ 5 55.0	2.678	3.587	7.4	20.6
11 7	3 51.61	+ 5 21.3	2.633	3.585	5.1	20.5
11 17	3 43.77	+ 4 53.9	2.616	3.582	4.0	20.4
11 27	3 35.78	+ 4 35.5	2.631	3.579	5.1	20.5
12 7	3 28.35	+ 4 28.1	2.674	3.576	7.4	20.6
12 17	3 22.07	+ 4 32.6	2.744	3.571	9.8	20.8
12 27	3 17.41	+ 4 48.8	2.838	3.567	11.9	20.9

178775 2000 YR_{77} 11 19.8 339°.31 2°.8/19.1 18

10 18	4 9.22	+13 20.3	1.139	2.015	18.0	19.6
10 28	4 4.05	+13 26.5	1.073	2.007	13.3	19.3
11 7	3 55.53	+13 34.5	1.029	1.999	8.0	19.0
11 17	3 44.72	+13 46.6	1.007	1.993	3.1	18.7
11 27	3 33.32	+14 5.2	1.010	1.987	5.7	18.9
12 7	3 23.18	+14 32.6	1.038	1.982	11.3	19.2
12 17	3 15.80	+15 10.2	1.088	1.978	16.5	19.4
12 27	3 12.11	+15 58.3	1.156	1.975	20.8	19.7

457016 2008 CZ_{119} 11 19.8 43°.16 23°.8/10.2 17

10 18	4 9.86	−24 54.2	1.016	1.811	25.6	20.3
10 28	4 4.24	−27 23.7	1.004	1.817	24.4	20.2
11 7	3 55.34	−29 2.3	1.006	1.824	23.8	20.2
11 17	3 44.60	−29 38.1	1.021	1.831	23.9	20.3
11 27	3 33.93	−29 6.5	1.051	1.839	24.7	20.4
12 7	3 25.09	−27 33.2	1.093	1.847	25.8	20.5
12 17	3 19.28	−25 9.5	1.147	1.855	27.1	20.7
12 27	3 17.06	−22 9.5	1.212	1.864	28.4	20.8

424373 2007 VY_{280} 11 19.8 13°.16 0°.2/19.9 17

10 18	4 8.94	+22 59.4	1.243	2.108	17.6	21.3
10 28	4 3.53	+22 20.8	1.181	2.108	13.0	21.0
11 7	3 55.02	+21 28.2	1.140	2.109	7.6	20.8
11 17	3 44.58	+20 24.4	1.122	2.110	1.8	20.4
11 27	3 33.85	+19 15.7	1.131	2.111	4.2	20.6
12 7	3 24.55	+18 10.5	1.165	2.113	9.9	20.9
12 17	3 17.93	+17 16.6	1.223	2.114	14.9	21.2
12 27	3 14.74	+16 39.2	1.301	2.116	19.1	21.5

67551 2000 SF_{57} 11 19.8 221°.42 6°.3/23.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 11.68	+38 7.7	2.264	3.044	13.6	19.9
10 28	4 4.90	+38 53.3	2.181	3.040	11.1	19.7
11 7	3 55.64	+39 23.1	2.120	3.035	8.6	19.5
11 17	3 44.72	+39 33.3	2.086	3.030	6.7	19.4
11 27	3 33.34	+39 22.7	2.079	3.025	6.4	19.4
12 7	3 22.80	+38 53.9	2.101	3.020	8.1	19.5
12 17	3 14.20	+38 12.0	2.150	3.015	10.6	19.6
12 27	3 8.31	+37 24.1	2.222	3.009	13.1	19.8

40183 1998 RP_{58} 11 19.8 96°.71 4°.2/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.66	+ 9 1.7	2.235	3.087	11.3	19.0
10 28	3 58.37	+ 8 0.9	2.177	3.095	8.4	18.8
11 7	3 51.52	+ 7 2.1	2.145	3.103	5.6	18.7
11 17	3 43.76	+ 6 9.5	2.141	3.112	4.2	18.6
11 27	3 35.93	+ 5 27.3	2.166	3.120	5.6	18.7
12 7	3 28.84	+ 4 58.5	2.220	3.128	8.3	18.9
12 17	3 23.15	+ 4 44.8	2.299	3.136	11.1	19.1
12 27	3 19.36	+ 4 46.1	2.401	3.144	13.5	19.3

72784 2001 FA_{170} 11 19.8 347°.00 9°.2/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 12.49	+42 36.9	1.695	2.474	17.5	18.9
10 28	4 6.28	+43 27.1	1.622	2.472	14.8	18.7
11 7	3 56.76	+43 53.5	1.568	2.470	12.0	18.6
11 17	3 45.01	+43 50.1	1.537	2.468	9.8	18.4
11 27	3 32.74	+43 15.2	1.531	2.467	9.2	18.4
12 7	3 21.81	+42 13.3	1.550	2.466	10.7	18.5
12 17	3 13.66	+40 53.2	1.594	2.465	13.3	18.6
12 27	3 9.15	+39 26.2	1.660	2.465	16.1	18.8

299568 2006 DG_{208} 11 19.8 123°.68 3°.6/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 7.73	+11 6.4	2.176	3.021	11.8	22.1
10 28	4 1.26	+10 7.9	2.123	3.040	8.7	21.9
11 7	3 53.14	+ 9 10.1	2.097	3.058	5.5	21.8
11 17	3 44.12	+ 8 16.9	2.099	3.075	3.6	21.7
11 27	3 35.10	+ 7 32.7	2.132	3.091	5.1	21.8
12 7	3 26.96	+ 7 0.6	2.193	3.107	8.1	22.0
12 17	3 20.39	+ 6 42.4	2.282	3.123	11.0	22.3
12 27	3 15.87	+ 6 38.5	2.393	3.137	13.5	22.5

66183 1998 WJ_{33} 11 19.8 68°.91 0°.8/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.98	+20 41.6	2.116	2.960	12.2	18.6
10 28	4 0.03	+19 43.6	2.067	2.986	8.7	18.4
11 7	3 52.42	+18 38.8	2.044	3.012	5.0	18.3
11 17	3 43.95	+17 30.6	2.050	3.037	1.2	18.0
11 27	3 35.56	+16 23.8	2.086	3.063	3.1	18.2
12 7	3 28.14	+15 23.1	2.152	3.089	6.8	18.5
12 17	3 22.36	+14 32.4	2.245	3.114	10.0	18.8
12 27	3 18.66	+13 54.1	2.362	3.139	12.7	19.0

186676 2003 YD_{116} 11 19.8 337°.61 1°.7/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 9.04	+16 41.8	1.306	2.174	16.7	20.1
10 28	4 3.53	+16 29.0	1.240	2.170	12.3	19.8
11 7	3 55.05	+16 12.1	1.196	2.167	7.2	19.5
11 17	3 44.62	+15 53.6	1.177	2.164	2.1	19.2
11 27	3 33.77	+15 37.2	1.183	2.161	4.8	19.3
12 7	3 24.14	+15 27.4	1.216	2.158	10.1	19.6
12 17	3 16.99	+15 27.6	1.271	2.156	14.9	19.9
12 27	3 13.15	+15 40.3	1.347	2.155	18.9	20.2

271942 2004 YW_{19} 11 19.8 58°.54 3°.1/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.09	+30 40.6	2.184	3.003	12.7	20.5
10 28	4 0.43	+30 33.8	2.115	3.011	9.8	20.4
11 7	3 52.83	+30 13.7	2.069	3.019	6.5	20.2
11 17	3 44.07	+29 40.1	2.051	3.027	3.6	20.0
11 27	3 35.18	+28 55.2	2.062	3.035	3.7	20.0
12 7	3 27.18	+28 3.3	2.101	3.043	6.5	20.2
12 17	3 20.89	+27 9.6	2.168	3.052	9.7	20.4
12 27	3 16.88	+26 19.3	2.260	3.060	12.5	20.6

91142 1998 MP_{2} 11 19.8 44°.00 2°.1/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.83	+28 26.2	2.088	2.916	12.9	19.1
10 28	4 0.30	+27 59.8	2.014	2.918	9.7	18.9
11 7	3 52.78	+27 20.1	1.964	2.921	6.2	18.7
11 17	3 44.07	+26 28.3	1.941	2.923	2.8	18.5
11 27	3 35.22	+25 27.3	1.947	2.925	3.2	18.5
12 7	3 27.26	+24 22.3	1.983	2.928	6.7	18.7
12 17	3 21.03	+23 19.0	2.046	2.930	10.1	18.9
12 27	3 17.11	+22 22.7	2.134	2.933	13.2	19.2

480074 2015 DZ_{196} 11 19.8 134°.43 5°.7/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 14.54	+35 25.5	1.747	2.550	16.1	21.1
10 28	4 7.15	+35 42.2	1.681	2.561	12.8	20.9
11 7	3 56.95	+35 39.1	1.637	2.571	9.2	20.7
11 17	3 45.02	+35 13.6	1.618	2.581	6.3	20.6
11 27	3 32.89	+34 26.5	1.627	2.590	6.0	20.6
12 7	3 22.11	+33 23.7	1.664	2.599	8.6	20.8
12 17	3 13.84	+32 13.4	1.727	2.607	11.9	21.0
12 27	3 8.77	+31 4.4	1.813	2.615	15.0	21.2

239820 1998 OA_{2} 11 19.8 191°.37 0°.9/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 8.69	+23 32.6	2.168	3.001	12.3	21.5
10 28	4 2.32	+23 19.1	2.089	3.000	9.1	21.3
11 7	3 53.96	+22 56.9	2.035	2.998	5.4	21.1
11 17	3 44.35	+22 26.9	2.010	2.996	1.6	20.8
11 27	3 34.51	+21 51.4	2.014	2.993	2.9	20.9
12 7	3 25.48	+21 14.1	2.049	2.990	6.7	21.1
12 17	3 18.12	+20 39.5	2.111	2.986	10.3	21.4
12 27	3 13.04	+20 11.2	2.197	2.982	13.3	21.6

409152 2003 UA_{127} 11 19.8 359°.19 2°.5/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.66	+25 23.1	1.808	2.650	14.0	20.2
10 28	4 1.30	+25 52.6	1.735	2.648	10.5	20.0
11 7	3 53.57	+26 13.2	1.686	2.647	6.6	19.7
11 17	3 44.30	+26 23.6	1.663	2.646	3.0	19.5
11 27	3 34.65	+26 24.1	1.669	2.646	3.7	19.6
12 7	3 25.89	+26 17.4	1.702	2.647	7.5	19.8
12 17	3 19.06	+26 7.6	1.761	2.648	11.3	20.0
12 27	3 14.89	+25 59.1	1.842	2.650	14.6	20.3

134276 2006 BE_{247} 11 19.8 139°.93 0°.9/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.92	+17 56.8	2.433	3.276	10.8	20.8
10 28	3 59.30	+17 37.7	2.362	3.280	7.8	20.6
11 7	3 52.10	+17 15.0	2.318	3.285	4.5	20.4
11 17	3 43.93	+16 50.2	2.302	3.289	1.2	20.2
11 27	3 35.63	+16 25.9	2.317	3.294	2.9	20.3
12 7	3 28.01	+16 4.7	2.361	3.298	6.3	20.5
12 17	3 21.76	+15 49.2	2.434	3.302	9.4	20.7
12 27	3 17.39	+15 41.3	2.530	3.305	12.0	20.9

334045 2001 KX_{17} 11 19.8 153°.80 2°.7/18.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 9.69	+14 45.1	1.775	2.626	13.8	22.0
10 28	4 3.16	+13 57.5	1.712	2.633	10.0	21.8
11 7	3 54.47	+13 6.8	1.673	2.640	6.0	21.6
11 17	3 44.47	+12 17.1	1.662	2.646	2.8	21.4
11 27	3 34.35	+11 33.1	1.681	2.651	4.8	21.6
12 7	3 25.24	+10 59.2	1.727	2.656	8.8	21.8
12 17	3 18.08	+10 38.5	1.800	2.660	12.5	22.0
12 27	3 13.45	+10 32.5	1.894	2.664	15.7	22.3

168210 2006 JW_{37} 11 19.8 175°.97 3°.6/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 11.36	+12 37.8	1.482	2.340	15.6	20.7
10 28	4 4.82	+12 5.6	1.418	2.341	11.5	20.4
11 7	3 55.63	+11 33.0	1.376	2.343	7.0	20.2
11 17	3 44.77	+11 4.0	1.361	2.343	3.7	20.0
11 27	3 33.63	+10 43.1	1.374	2.344	5.8	20.1
12 7	3 23.65	+10 34.2	1.413	2.344	10.2	20.4
12 17	3 15.94	+10 39.5	1.477	2.343	14.4	20.6
12 27	3 11.24	+10 59.5	1.561	2.342	18.0	20.8

95540 2002 EC_{86} 11 19.8 102°.36 0°.1/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.98	+20 19.2	2.154	2.998	12.0	19.9
10 28	4 0.30	+20 7.7	2.084	3.001	8.7	19.7
11 7	3 52.78	+19 50.6	2.038	3.005	5.1	19.5
11 17	3 44.12	+19 29.0	2.020	3.008	1.1	19.2
11 27	3 35.28	+19 5.4	2.032	3.011	2.9	19.3
12 7	3 27.22	+18 42.8	2.074	3.015	6.7	19.6
12 17	3 20.73	+18 24.6	2.142	3.018	10.1	19.8
12 27	3 16.40	+18 13.3	2.234	3.021	13.0	20.0

350888 2002 QO_{124} 11 19.8 182°.21 4°.4/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 9.78	+33 16.3	1.931	2.743	14.4	21.1
10 28	4 3.51	+33 18.6	1.854	2.743	11.3	20.9
11 7	3 54.81	+33 4.1	1.801	2.743	7.9	20.7
11 17	3 44.59	+32 31.2	1.773	2.743	5.0	20.6
11 27	3 34.11	+31 41.6	1.773	2.743	4.8	20.5
12 7	3 24.67	+30 40.3	1.803	2.742	7.6	20.7
12 17	3 17.30	+29 34.1	1.858	2.742	11.0	20.9
12 27	3 12.68	+28 30.3	1.938	2.741	14.2	21.1

251635 2010 KX_{63} 11 19.8 82°.19 5°.1/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 7.38	+ 6 27.1	1.943	2.792	12.9	20.2
10 28	4 1.14	+ 5 43.6	1.901	2.815	9.7	20.1
11 7	3 53.13	+ 5 5.8	1.883	2.838	6.6	19.9
11 17	3 44.17	+ 4 37.5	1.893	2.860	5.1	19.9
11 27	3 35.24	+ 4 22.4	1.931	2.882	6.4	20.0
12 7	3 27.29	+ 4 22.2	1.997	2.904	9.2	20.2
12 17	3 21.03	+ 4 37.0	2.089	2.926	12.0	20.5
12 27	3 16.95	+ 5 5.7	2.202	2.947	14.5	20.7

101366 1998 UY 11 19.8 14°.97 1°.3/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.52	+23 22.9	2.036	2.877	12.7	19.6
10 28	4 0.88	+23 33.8	1.965	2.878	9.4	19.4
11 7	3 53.21	+23 37.4	1.917	2.880	5.7	19.2
11 17	3 44.23	+23 33.4	1.896	2.882	1.9	18.9
11 27	3 35.00	+23 23.2	1.905	2.884	3.0	19.0
12 7	3 26.58	+23 9.8	1.943	2.887	6.8	19.3
12 17	3 19.86	+22 56.4	2.007	2.889	10.4	19.5
12 27	3 15.48	+22 46.8	2.095	2.892	13.4	19.7

402839 2007 HR_{72} 11 19.8 302.°83 0.°6/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 4.69	+19 42.6	1.978	2.829	12.6	21.0
10 28	3 59.63	+19 15.7	1.894	2.816	9.2	20.8
11 7	3 52.53	+18 42.2	1.834	2.802	5.4	20.5
11 17	3 44.10	+18 4.0	1.801	2.789	1.2	20.2
11 27	3 35.34	+17 24.4	1.798	2.776	3.3	20.3
12 7	3 27.31	+16 47.8	1.822	2.763	7.5	20.6
12 17	3 20.91	+16 18.1	1.874	2.750	11.3	20.8
12 27	3 16.82	+15 58.5	1.947	2.738	14.5	21.0

97223 1999 XK_{51} 11 19.8 69.°48 0.°0/19.9 18

10 18	4 5.78	+21 12.1	2.072	2.916	12.3	19.6
10 28	4 0.16	+20 53.3	2.009	2.927	9.0	19.5
11 7	3 52.69	+20 27.7	1.971	2.937	5.2	19.2
11 17	3 44.11	+19 57.0	1.960	2.948	1.2	19.0
11 27	3 35.43	+19 24.1	1.979	2.958	2.9	19.1
12 7	3 27.61	+18 52.5	2.027	2.968	6.8	19.4
12 17	3 21.43	+18 26.0	2.102	2.979	10.2	19.6
12 27	3 17.45	+18 7.3	2.200	2.990	13.1	19.9

27662 1978 UK_{7} 11 19.8 10.°32 0.°9/19.5 18

10 18	4 5.23	+19 37.4	1.139	2.017	17.8	17.4
10 28	4 0.96	+19 10.7	1.084	2.019	13.1	17.2
11 7	3 53.62	+18 35.2	1.050	2.022	7.5	16.9
11 17	3 44.36	+17 54.2	1.039	2.027	1.8	16.5
11 27	3 34.84	+17 13.2	1.053	2.032	4.6	16.8
12 7	3 26.72	+16 38.9	1.090	2.039	10.3	17.1
12 17	3 21.26	+16 16.5	1.151	2.047	15.2	17.4
12 27	3 19.17	+16 9.2	1.230	2.056	19.3	17.7

365284 2009 QM_{62} 11 19.8 85.°24 0.°3/19.9 18

10 18	4 7.54	+21 5.6	2.164	3.003	12.1	21.0
10 28	4 1.32	+21 0.8	2.106	3.021	8.8	20.8
11 7	3 53.30	+20 50.0	2.074	3.040	5.1	20.6
11 17	3 44.25	+20 34.2	2.071	3.058	1.2	20.4
11 27	3 35.13	+20 15.5	2.097	3.076	2.8	20.5
12 7	3 26.89	+19 56.8	2.152	3.094	6.5	20.8
12 17	3 20.29	+19 41.3	2.235	3.111	9.8	21.0
12 27	3 15.86	+19 31.6	2.343	3.129	12.5	21.3

45381 2000 AN_{122} 11 19.8 185.°21 1.°7/18.6 18

10 18	4 3.99	+15 11.7	2.616	3.459	10.1	18.4
10 28	3 58.56	+14 39.6	2.541	3.459	7.3	18.3
11 7	3 51.67	+14 5.3	2.493	3.459	4.3	18.1
11 17	3 43.89	+13 31.0	2.474	3.458	1.8	17.9
11 27	3 35.97	+12 59.7	2.486	3.457	3.3	18.0
12 7	3 28.65	+12 34.0	2.527	3.456	6.4	18.2
12 17	3 22.57	+12 16.1	2.596	3.455	9.2	18.4
12 27	3 18.21	+12 7.6	2.690	3.453	11.7	18.6

191901 2005 BK_{20} 11 19.8 359.°10 5.°7/23.0 17

10 18	4 7.98	+36 3.1	2.071	2.871	14.0	19.8
10 28	4 2.24	+36 34.5	1.995	2.870	11.3	19.6
11 7	3 54.13	+36 49.8	1.941	2.870	8.4	19.4
11 17	3 44.48	+36 46.2	1.913	2.869	6.1	19.3
11 27	3 34.49	+36 23.6	1.912	2.869	5.9	19.3
12 7	3 25.40	+35 45.3	1.939	2.870	7.9	19.4
12 17	3 18.27	+34 57.1	1.992	2.870	10.7	19.6
12 27	3 13.80	+34 5.8	2.069	2.871	13.4	19.7

230715 2003 UC_{154} 11 19.8 34.°85 0.°0/19.8 18

10 18	4 5.15	+20 48.4	1.843	2.695	13.3	20.3
10 28	3 59.88	+20 34.1	1.786	2.708	9.7	20.1
11 7	3 52.59	+20 13.1	1.753	2.721	5.6	19.8
11 17	3 44.11	+19 47.1	1.746	2.734	1.3	19.6
11 27	3 35.52	+19 19.1	1.769	2.748	3.1	19.7
12 7	3 27.90	+18 52.8	1.819	2.762	7.2	20.0
12 17	3 22.08	+18 31.9	1.895	2.777	10.9	20.3
12 27	3 18.62	+18 19.2	1.994	2.792	14.0	20.5

35785 1999 JY_{21} 11 19.8 171.°14 1.°0/20.3 18

10 18	4 11.57	+23 44.1	1.515	2.362	15.9	18.9
10 28	4 5.11	+23 26.0	1.446	2.364	11.8	18.7
11 7	3 55.87	+22 56.0	1.400	2.366	7.1	18.4
11 17	3 44.88	+22 15.0	1.380	2.367	2.0	18.1
11 27	3 33.60	+21 26.9	1.388	2.368	3.7	18.2
12 7	3 23.55	+20 37.8	1.423	2.368	8.7	18.5
12 17	3 15.89	+19 54.0	1.484	2.369	13.2	18.8
12 27	3 11.36	+19 20.9	1.566	2.368	17.0	19.0

516372 2017 EK_{5} 11 19.8 139.°29 1.°9/18.9 18

10 18	4 6.96	+12 36.3	2.709	3.547	10.0	21.1
10 28	4 0.62	+12 38.8	2.642	3.556	7.3	20.9
11 7	3 52.83	+12 42.0	2.601	3.564	4.3	20.7
11 17	3 44.16	+12 47.0	2.589	3.573	2.0	20.6
11 27	3 35.36	+12 55.2	2.609	3.580	3.3	20.7
12 7	3 27.18	+13 7.7	2.660	3.588	6.1	20.9
12 17	3 20.25	+13 25.5	2.739	3.595	8.9	21.1
12 27	3 15.05	+13 49.2	2.844	3.602	11.2	21.2

101454 1998 WZ_{2} 11 19.8 82.°48 0.°3/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 12.90	+19 37.0	1.495	2.346	15.9	19.2
10 28	4 5.71	+19 28.2	1.449	2.370	11.5	19.0
11 7	3 56.00	+19 12.8	1.427	2.394	6.6	18.8
11 17	3 44.86	+18 52.4	1.430	2.418	1.5	18.5
11 27	3 33.76	+18 30.1	1.462	2.441	3.8	18.7
12 7	3 24.08	+18 10.4	1.522	2.464	8.5	19.1
12 17	3 16.80	+17 57.1	1.607	2.487	12.7	19.4
12 27	3 12.51	+17 53.2	1.714	2.509	16.0	19.6

459659 2013 KN_{7} 11 19.8 89.°34 0.°4/19.7 18

10 18	4 9.71	+17 18.1	2.266	3.104	11.7	20.8
10 28	4 2.83	+17 37.1	2.208	3.122	8.5	20.7
11 7	3 54.18	+17 53.7	2.175	3.141	4.9	20.5
11 17	3 44.48	+18 8.1	2.172	3.159	1.1	20.2
11 27	3 34.66	+18 21.3	2.199	3.177	2.8	20.4
12 7	3 25.68	+18 34.6	2.257	3.195	6.4	20.7
12 17	3 18.28	+18 49.8	2.343	3.213	9.6	20.9
12 27	3 13.02	+19 8.5	2.453	3.230	12.3	21.1

242493 2004 WO_{12} 11 19.8 313.°04 2.°9/17.8 17

10 18	4 3.02	+16 4.5	1.910	2.769	12.6	19.4
10 28	3 58.45	+14 43.5	1.822	2.748	9.2	19.1
11 7	3 51.88	+13 15.0	1.760	2.728	5.6	18.9
11 17	3 44.00	+11 44.0	1.724	2.707	2.9	18.6
11 27	3 35.79	+10 17.3	1.719	2.687	5.0	18.7
12 7	3 28.30	+ 9 1.6	1.741	2.667	8.9	18.9
12 17	3 22.41	+ 8 1.9	1.789	2.648	12.7	19.1
12 27	3 18.79	+ 7 21.1	1.858	2.629	15.9	19.3

448586 2010 TC_{53} 11 19.8 68.°65 0.°4/19.6 18

10 18	4 7.00	+19 12.6	1.929	2.778	13.0	21.5
10 28	4 1.20	+19 2.7	1.865	2.785	9.4	21.3
11 7	3 53.38	+18 47.7	1.824	2.792	5.4	21.1
11 17	3 44.32	+18 29.1	1.812	2.799	1.2	20.8
11 27	3 35.09	+18 9.4	1.828	2.807	3.2	21.0
12 7	3 26.76	+17 51.8	1.873	2.814	7.3	21.2
12 17	3 20.19	+17 39.5	1.944	2.821	10.9	21.5
12 27	3 15.98	+17 35.0	2.039	2.829	14.0	21.7

270682 2002 QH_{37} 11 19.9 270.°14 2.°9/18.0 17

10 18	4 3.45	+11 59.5	2.358	3.208	10.8	21.0
10 28	3 58.33	+11 23.4	2.285	3.205	8.0	20.8
11 7	3 51.62	+10 47.2	2.237	3.201	4.9	20.6
11 17	3 43.93	+10 13.8	2.218	3.198	2.9	20.5
11 27	3 36.07	+ 9 46.6	2.228	3.194	4.4	20.5
12 7	3 28.83	+ 9 28.2	2.268	3.190	7.4	20.7
12 17	3 22.92	+ 9 20.4	2.333	3.187	10.3	20.9
12 27	3 18.86	+ 9 24.2	2.423	3.183	12.9	21.1

294482 2007 WR_{6} 11 19.9 354.°72 2.°3/20.9 18

10 18	4 8.22	+25 55.7	1.659	2.503	15.0	20.5
10 28	4 2.60	+26 2.1	1.588	2.501	11.3	20.3
11 7	3 54.42	+25 57.0	1.539	2.500	7.0	20.0
11 17	3 44.59	+25 39.8	1.516	2.499	3.0	19.8
11 27	3 34.43	+25 12.4	1.521	2.499	3.7	19.9
12 7	3 25.29	+24 39.3	1.553	2.499	8.0	20.1
12 17	3 18.30	+24 5.9	1.610	2.499	12.1	20.4
12 27	3 14.18	+23 37.7	1.690	2.499	15.6	20.6

225274 6781 $P–L$ 11 19.9 2.°22 1.°9/20.7 17

10 18	4 5.96	+24 28.1	1.727	2.575	14.3	19.6
10 28	4 0.86	+24 44.9	1.657	2.574	10.7	19.4
11 7	3 53.37	+24 52.7	1.611	2.574	6.6	19.2
11 17	3 44.36	+24 50.7	1.590	2.574	2.6	18.9
11 27	3 35.01	+24 40.5	1.597	2.575	3.5	19.0
12 7	3 26.60	+24 25.1	1.631	2.577	7.6	19.3
12 17	3 20.16	+24 9.0	1.691	2.580	11.6	19.5
12 27	3 16.40	+23 56.6	1.773	2.584	14.9	19.7

244097 2001 UN_{121} 11 19.9 99.°77 0.°6/19.6 18

10 18	4 11.21	+18 20.1	1.614	2.465	14.9	20.3
10 28	4 4.54	+18 18.5	1.555	2.477	10.9	20.1
11 7	3 55.42	+18 12.1	1.520	2.488	6.3	19.9
11 17	3 44.79	+18 2.2	1.511	2.499	1.5	19.6
11 27	3 34.00	+17 51.3	1.531	2.510	3.7	19.8
12 7	3 24.37	+17 42.7	1.579	2.520	8.4	20.1
12 17	3 16.92	+17 39.7	1.653	2.531	12.5	20.3
12 27	3 12.31	+17 44.8	1.748	2.541	15.9	20.6

227225 2005 RG_{26} 11 19.9 47.°85 3.°0/18.9 18

10 18	4 10.75	+13 37.9	1.195	2.066	17.7	20.0
10 28	4 4.56	+13 25.6	1.155	2.085	12.9	19.8
11 7	3 55.50	+13 13.7	1.136	2.105	7.6	19.5
11 17	3 44.80	+13 5.0	1.141	2.126	3.2	19.3
11 27	3 34.10	+13 3.3	1.172	2.146	5.5	19.5
12 7	3 24.97	+13 11.3	1.228	2.168	10.4	19.9
12 17	3 18.52	+13 30.6	1.307	2.189	14.8	20.2
12 27	3 15.34	+14 1.3	1.406	2.211	18.4	20.5

80565 2000 AN_{110} 11 19.9 292.°59 3.°0/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 7.97	+14 47.8	1.424	2.290	15.7	19.4
10 28	4 2.67	+14 10.4	1.349	2.277	11.6	19.1
11 7	3 54.60	+13 29.4	1.295	2.264	7.0	18.9
11 17	3 44.67	+12 48.6	1.267	2.252	3.1	18.6
11 27	3 34.24	+12 13.6	1.266	2.239	5.5	18.7
12 7	3 24.83	+11 49.5	1.291	2.227	10.4	19.0
12 17	3 17.64	+11 40.1	1.339	2.215	15.0	19.2
12 27	3 13.53	+11 47.2	1.407	2.203	18.9	19.4

131742 2001 YX_{121} 11 19.9 231.°44 4.°1/21.6 18

10 18	4 12.55	+29 48.1	1.378	2.217	17.7	20.0
10 28	4 6.35	+29 57.0	1.307	2.215	13.7	19.7
11 7	3 56.85	+29 47.9	1.257	2.212	9.1	19.4
11 17	3 45.18	+29 18.7	1.230	2.209	4.9	19.2
11 27	3 33.04	+28 31.1	1.230	2.206	5.1	19.2
12 7	3 22.26	+27 31.7	1.257	2.203	9.5	19.4
12 17	3 14.25	+26 29.7	1.308	2.200	14.1	19.7
12 27	3 9.87	+25 33.9	1.379	2.196	18.1	19.9

324736 2007 EX_{190} 11 19.9 149.°92 3.°4/21.8 18

10 18	4 8.58	+30 33.6	2.386	3.197	12.0	21.2
10 28	4 2.27	+30 55.9	2.310	3.200	9.3	21.1
11 7	3 54.00	+31 6.9	2.258	3.203	6.4	20.9
11 17	3 44.49	+31 5.4	2.234	3.206	3.8	20.7
11 27	3 34.72	+30 51.8	2.240	3.209	3.9	20.7
12 7	3 25.71	+30 28.6	2.275	3.212	6.4	20.9
12 17	3 18.32	+30 0.1	2.338	3.215	9.3	21.1
12 27	3 13.16	+29 30.9	2.425	3.217	12.0	21.3

397392 2006 VA_{100} 11 19.9 38.°41 0.°5/19.9 18

10 18	4 12.29	+18 31.9	1.616	2.465	15.0	20.1
10 28	4 5.47	+19 20.5	1.556	2.475	11.0	19.9
11 7	3 56.04	+20 6.5	1.519	2.486	6.4	19.7
11 17	3 44.97	+20 48.3	1.509	2.497	1.6	19.4
11 27	3 33.58	+21 25.0	1.529	2.508	3.5	19.6
12 7	3 23.29	+21 57.7	1.576	2.520	8.1	19.9
12 17	3 15.23	+22 28.3	1.650	2.532	12.2	20.1
12 27	3 10.11	+22 59.6	1.746	2.545	15.6	20.4

45298 Williamon 11 19.9 241.°51 3.°8/17.2 18

10 18	4 3.55	+ 8 32.8	2.553	3.398	10.3	20.1
10 28	3 58.32	+ 7 45.4	2.473	3.388	7.7	20.0
11 7	3 51.60	+ 6 59.5	2.419	3.376	5.2	19.8
11 17	3 43.95	+ 6 18.7	2.395	3.365	3.8	19.7
11 27	3 36.08	+ 5 46.3	2.399	3.353	5.1	19.8
12 7	3 28.77	+ 5 25.2	2.433	3.341	7.7	19.9
12 17	3 22.66	+ 5 16.9	2.494	3.329	10.4	20.1
12 27	3 18.26	+ 5 21.8	2.577	3.316	12.7	20.2

516296 2016 WK_{52} 11 19.9 25.°34 2.°2/20.9 18

10 18	4 6.22	+26 40.2	1.169	2.034	18.4	19.4
10 28	4 1.61	+26 20.1	1.122	2.047	13.8	19.2
11 7	3 53.95	+25 42.8	1.094	2.060	8.5	18.9
11 17	3 44.49	+24 50.1	1.090	2.075	3.2	18.7
11 27	3 34.96	+23 47.4	1.111	2.092	4.2	18.8
12 7	3 27.00	+22 43.3	1.157	2.109	9.3	19.2
12 17	3 21.78	+21 46.0	1.226	2.127	14.1	19.5
12 27	3 19.92	+21 1.5	1.315	2.147	18.0	19.8

359626 2011 QL_{16} 11 19.9 13.°48 13.°6/15.2 18

10 18	4 1.28	− 5 14.9	1.038	1.911	19.6	18.8
10 28	3 57.87	− 6 47.0	1.010	1.919	16.6	18.6
11 7	3 51.72	− 7 53.3	1.000	1.929	14.3	18.5
11 17	3 43.98	− 8 23.6	1.011	1.942	13.6	18.5
11 27	3 36.22	− 8 12.3	1.042	1.956	14.9	18.7
12 7	3 29.87	− 7 20.8	1.092	1.973	17.3	18.9
12 17	3 25.95	− 5 55.7	1.161	1.991	20.0	19.1
12 27	3 25.04	− 4 5.9	1.245	2.011	22.5	19.4

258697 2002 GN_{17} 11 19.9 143.°61 2.°1/20.6 18

10 18	4 15.55	+23 37.6	1.588	2.426	15.8	20.3
10 28	4 8.04	+24 12.1	1.521	2.433	11.8	20.1
11 7	3 57.63	+24 38.0	1.478	2.440	7.2	19.8
11 17	3 45.36	+24 53.3	1.462	2.446	2.8	19.6
11 27	3 32.72	+24 58.0	1.474	2.452	3.9	19.7
12 7	3 21.27	+24 55.1	1.514	2.458	8.5	19.9
12 17	3 12.27	+24 49.2	1.581	2.462	12.7	20.2
12 27	3 6.49	+24 45.6	1.670	2.467	16.3	20.5

152355 2005 UC_{117} 11 19.9 120.°78 1.°2/19.2 18

10 18	4 5.89	+17 28.6	2.131	2.978	11.9	20.8
10 28	4 0.25	+17 4.9	2.062	2.982	8.7	20.6
11 7	3 52.79	+16 37.3	2.019	2.986	5.0	20.4
11 17	3 44.24	+16 7.8	2.003	2.990	1.5	20.2
11 27	3 35.52	+15 39.5	2.018	2.994	3.3	20.3
12 7	3 27.59	+15 15.7	2.061	2.998	7.0	20.6
12 17	3 21.21	+14 59.1	2.131	3.001	10.4	20.8
12 27	3 16.96	+14 51.8	2.225	3.005	13.3	21.0

490704 2010 PP_{57} 11 19.9 82.°91 1.°9/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 9.71	+25 58.7	1.950	2.781	13.5	21.5
10 28	4 3.12	+25 55.9	1.895	2.803	10.1	21.3
11 7	3 54.45	+25 42.5	1.865	2.824	6.2	21.1
11 17	3 44.61	+25 18.7	1.862	2.846	2.5	20.9
11 27	3 34.73	+24 47.1	1.889	2.867	3.2	21.0
12 7	3 25.93	+24 11.6	1.944	2.887	6.9	21.3
12 17	3 19.05	+23 37.1	2.027	2.908	10.3	21.5
12 27	3 14.65	+23 7.8	2.133	2.928	13.3	21.8

430613 2002 WE_{30} 11 19.9 53.°42 3.°9/18.6 18

10 18	4 10.31	+11 52.4	1.266	2.135	17.1	20.1
10 28	4 4.19	+11 29.3	1.221	2.150	12.5	19.8
11 7	3 55.31	+11 8.2	1.198	2.165	7.6	19.6
11 17	3 44.82	+10 53.0	1.199	2.181	4.0	19.5
11 27	3 34.27	+10 47.7	1.226	2.197	6.1	19.6
12 7	3 25.16	+10 55.1	1.279	2.214	10.6	19.9
12 17	3 18.57	+11 16.1	1.355	2.231	14.9	20.2
12 27	3 15.13	+11 50.4	1.451	2.247	18.4	20.5

385753 2005 YY_{16} 11 19.9 213.°44 2.°9/21.7 18

10 18	4 10.23	+30 41.9	1.774	2.598	15.0	21.1
10 28	4 3.94	+30 5.3	1.694	2.595	11.5	20.8
11 7	3 55.15	+29 10.1	1.637	2.591	7.5	20.6
11 17	3 44.81	+27 57.0	1.607	2.587	3.7	20.3
11 27	3 34.24	+26 29.9	1.605	2.582	3.9	20.3
12 7	3 24.79	+24 56.3	1.633	2.578	7.8	20.6
12 17	3 17.52	+23 24.9	1.688	2.573	11.8	20.8
12 27	3 13.10	+22 3.3	1.766	2.568	15.4	21.0

11450 Shearer 11 19.9 244.°76 5.°5/17.4 18 R

10 18	4 9.22	+ 8 53.7	1.526	2.385	15.2	18.0
10 28	4 3.34	+ 7 57.3	1.455	2.376	11.4	17.8
11 7	3 54.89	+ 7 2.9	1.406	2.367	7.6	17.6
11 17	3 44.78	+ 6 16.2	1.384	2.358	5.5	17.4
11 27	3 34.28	+ 5 43.6	1.389	2.348	7.4	17.5
12 7	3 24.76	+ 5 29.2	1.420	2.338	11.3	17.7
12 17	3 17.35	+ 5 34.9	1.475	2.327	15.3	17.9
12 27	3 12.79	+ 6 0.1	1.549	2.316	18.7	18.1

520293 2014 FL_{27} 11 19.9 294.°10 1.°9/18.9 18

10 18	4 6.81	+17 55.4	1.536	2.397	15.0	21.6
10 28	4 1.76	+17 8.3	1.452	2.379	11.0	21.3
11 7	3 54.08	+16 13.1	1.391	2.361	6.5	21.0
11 17	3 44.61	+15 13.4	1.357	2.343	2.2	20.7
11 27	3 34.65	+14 14.9	1.349	2.325	4.7	20.8
12 7	3 25.59	+13 24.2	1.369	2.307	9.7	21.0
12 17	3 18.61	+12 46.8	1.412	2.289	14.2	21.3
12 27	3 14.53	+12 26.1	1.476	2.272	18.2	21.5

191503 2003 UW_{48} 11 19.9 61.°98 2.°4/18.5 18

10 18	4 4.44	+14 22.5	2.116	2.968	11.8	19.7
10 28	3 59.10	+13 44.1	2.059	2.981	8.6	19.5
11 7	3 52.08	+13 4.3	2.027	2.994	5.1	19.3
11 17	3 44.10	+12 26.0	2.024	3.007	2.4	19.2
11 27	3 36.04	+11 52.9	2.049	3.020	4.1	19.3
12 7	3 28.79	+11 28.1	2.103	3.033	7.4	19.6
12 17	3 23.06	+11 13.7	2.184	3.046	10.6	19.8
12 27	3 19.35	+11 10.9	2.288	3.059	13.2	20.0

28404 1999 TQ_5 11 19.9 5.°30 2.°0/18.9 18

10 18	4 4.28	+17 48.0	1.270	2.146	16.5	17.7
10 28	4 0.05	+17 4.2	1.212	2.146	12.1	17.4
11 7	3 53.06	+16 13.2	1.175	2.147	7.0	17.1
11 17	3 44.36	+15 19.8	1.162	2.149	2.3	16.8
11 27	3 35.40	+14 30.2	1.175	2.152	5.0	17.0
12 7	3 27.67	+13 50.8	1.212	2.156	10.1	17.3
12 17	3 22.30	+13 26.2	1.273	2.161	14.7	17.6
12 27	3 20.00	+13 18.7	1.353	2.167	18.5	17.9

325755 2009 WU_{97} 11 19.9 179.°84 1.°7/20.7 17

10 18	4 7.53	+24 37.0	2.353	3.182	11.6	20.5
10 28	4 1.48	+24 54.8	2.276	3.182	8.7	20.3
11 7	3 53.57	+25 5.4	2.223	3.182	5.4	20.1
11 17	3 44.46	+25 8.3	2.199	3.183	2.2	19.9
11 27	3 35.07	+25 4.1	2.205	3.182	2.9	19.9
12 7	3 26.38	+24 55.2	2.240	3.182	6.2	20.1
12 17	3 19.20	+24 44.5	2.304	3.182	9.4	20.3
12 27	3 14.15	+24 35.5	2.392	3.182	12.2	20.5

514957 2009 BD_{34} 11 19.9 4.°50 13.°4/14.2 18

10 18	4 7.78	−14 13.0	1.668	2.471	16.7	21.1
10 28	4 1.92	−15 20.9	1.624	2.471	14.9	20.9
11 7	3 53.87	−16 4.0	1.600	2.471	13.7	20.9
11 17	3 44.51	−16 14.9	1.598	2.471	13.4	20.9
11 27	3 35.03	−15 49.4	1.619	2.472	14.2	20.9
12 7	3 26.59	−14 48.5	1.661	2.473	15.8	21.0
12 17	3 20.09	−13 16.9	1.724	2.474	17.7	21.2
12 27	3 16.14	−11 21.7	1.804	2.476	19.6	21.3

461128 2015 RX_{196} 11 19.9 324.°55 0.°9/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 6.95	+17 57.0	1.820	2.673	13.4	21.0
10 28	4 1.39	+17 45.0	1.748	2.670	9.8	20.8
11 7	3 53.64	+17 28.6	1.699	2.667	5.7	20.5
11 17	3 44.49	+17 9.5	1.677	2.664	1.5	20.2
11 27	3 35.04	+16 50.6	1.684	2.661	3.6	20.4
12 7	3 26.45	+16 35.2	1.719	2.659	7.9	20.7
12 17	3 19.69	+16 26.4	1.779	2.657	11.8	20.9
12 27	3 15.41	+16 26.7	1.863	2.654	15.1	21.1

119267 2001 RZ_{65} 11 19.9 39.°96 3.°2/21.3 18

10 18	4 9.42	+28 19.2	1.284	2.135	18.0	18.8
10 28	4 3.88	+28 12.4	1.230	2.146	13.6	18.6
11 7	3 55.28	+27 47.9	1.197	2.158	8.7	18.4
11 17	3 44.85	+27 5.7	1.188	2.171	4.0	18.1
11 27	3 34.28	+26 9.9	1.205	2.184	4.5	18.2
12 7	3 25.24	+25 8.1	1.248	2.197	9.1	18.5
12 17	3 18.94	+24 8.9	1.314	2.211	13.6	18.8
12 27	3 16.04	+23 19.4	1.402	2.226	17.5	19.1

177456 2004 DE_{21} 11 19.9 287.°91 12.°9/27.6 17

10 18	4 20.44	+54 50.7	2.012	2.697	17.9	19.9
10 28	4 12.94	+56 18.7	1.936	2.692	16.2	19.8
11 7	4 1.18	+57 20.5	1.878	2.687	14.6	19.6
11 17	3 46.30	+57 47.1	1.840	2.682	13.4	19.5
11 27	3 30.44	+57 33.4	1.824	2.677	12.9	19.5
12 7	3 16.09	+56 41.6	1.831	2.672	13.3	19.5
12 17	3 5.21	+55 19.7	1.859	2.667	14.5	19.6
12 27	2 58.92	+53 39.8	1.909	2.663	16.1	19.7

376501 2012 KN_{42} 11 19.9 193.°97 2.°2/17.8 17

10 18	4 4.09	+15 15.0	2.842	3.682	9.5	21.0
10 28	3 58.53	+14 0.4	2.764	3.680	6.9	20.9
11 7	3 51.66	+12 42.1	2.714	3.678	4.1	20.7
11 17	3 44.01	+11 23.6	2.694	3.675	2.2	20.5
11 27	3 36.26	+10 9.1	2.707	3.672	3.7	20.6
12 7	3 29.09	+ 9 2.7	2.750	3.669	6.4	20.8
12 17	3 23.08	+ 8 7.4	2.823	3.665	9.1	21.0
12 27	3 18.66	+ 7 25.1	2.920	3.661	11.3	21.1

157671 2005 YY_{92} 11 19.9 166.°11 0.°9/19.3 18

10 18	4 5.23	+17 59.9	2.318	3.162	11.2	21.3
10 28	3 59.69	+17 36.8	2.245	3.163	8.1	21.1
11 7	3 52.46	+17 9.6	2.198	3.165	4.7	20.9
11 17	3 44.21	+16 40.2	2.179	3.166	1.3	20.7
11 27	3 35.78	+16 11.3	2.190	3.167	3.1	20.8
12 7	3 28.05	+15 46.0	2.231	3.168	6.6	21.0
12 17	3 21.75	+15 27.1	2.299	3.168	9.8	21.3
12 27	3 17.42	+15 16.7	2.391	3.169	12.6	21.4

380694 2005 JU_{59} 11 19.9 222.°71 3.°2/18.6 18

10 18	4 9.89	+13 36.3	1.485	2.345	15.5	21.0
10 28	4 3.88	+13 4.1	1.417	2.343	11.4	20.7
11 7	3 55.22	+12 30.4	1.373	2.340	6.9	20.4
11 17	3 44.87	+11 59.0	1.354	2.338	3.3	20.2
11 27	3 34.19	+11 34.5	1.363	2.335	5.5	20.4
12 7	3 24.59	+11 21.1	1.398	2.332	10.0	20.6
12 17	3 17.21	+11 21.5	1.458	2.328	14.3	20.9
12 27	3 12.80	+11 36.6	1.538	2.325	17.9	21.1

267971 2004 FL_{109} 11 19.9 236.°13 1.°8/20.7 18

10 18	4 11.66	+25 4.6	1.809	2.643	14.3	21.6
10 28	4 5.12	+25 7.2	1.721	2.631	10.8	21.4
11 7	3 55.97	+24 59.3	1.658	2.619	6.7	21.1
11 17	3 45.06	+24 40.1	1.621	2.606	2.5	20.8
11 27	3 33.64	+24 11.3	1.614	2.592	3.5	20.8
12 7	3 23.10	+23 36.9	1.635	2.578	7.9	21.1
12 17	3 14.60	+23 2.4	1.682	2.563	12.1	21.3
12 27	3 8.95	+22 33.3	1.752	2.548	15.7	21.5

509395 2007 DH_{16} 11 19.9 182.°64 0.°8/19.5 18

10 18	4 10.48	+18 23.9	1.997	2.838	12.9	22.2
10 28	4 3.77	+18 8.8	1.923	2.839	9.4	22.0
11 7	3 54.94	+17 48.9	1.873	2.840	5.5	21.8
11 17	3 44.79	+17 25.5	1.852	2.839	1.3	21.5
11 27	3 34.39	+17 1.6	1.861	2.838	3.4	21.6
12 7	3 24.85	+16 40.3	1.899	2.837	7.5	21.9
12 17	3 17.09	+16 25.2	1.965	2.834	11.2	22.1
12 27	3 11.75	+16 18.7	2.053	2.831	14.3	22.3

519367 2011 OK_{23} 11 19.9 88.°57 7.°1/17.2 18

10 18	4 9.95	+ 1 39.0	1.699	2.544	14.6	21.0
10 28	4 3.28	+ 0 59.3	1.657	2.562	11.4	20.8
11 7	3 54.55	+ 0 30.6	1.637	2.581	8.5	20.7
11 17	3 44.67	+ 0 17.7	1.644	2.599	7.1	20.7
11 27	3 34.80	+ 0 23.8	1.678	2.617	8.3	20.8
12 7	3 26.04	+ 0 49.6	1.739	2.634	11.0	21.0
12 17	3 19.23	+ 1 33.5	1.823	2.651	13.9	21.2
12 27	3 14.91	+ 2 32.4	1.929	2.668	16.4	21.4

229953 1998 YB_{17} 11 19.9 275.°62 1.°5/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 4.18	+16 0.0	2.390	3.237	10.8	21.3
10 28	3 58.98	+15 36.9	2.304	3.224	7.9	21.1
11 7	3 52.10	+15 11.0	2.245	3.212	4.6	20.9
11 17	3 44.15	+14 44.4	2.214	3.199	1.7	20.7
11 27	3 35.94	+14 19.8	2.212	3.187	3.4	20.8
12 7	3 28.30	+13 59.9	2.240	3.174	6.8	21.0
12 17	3 21.99	+13 47.2	2.296	3.161	10.0	21.1
12 27	3 17.57	+13 43.7	2.375	3.149	12.7	21.3

469811 2005 SA_{116} 11 19.9 10.°94 2.°0/20.6 18

10 18	4 5.90	+23 44.0	1.031	1.909	19.3	20.1
10 28	4 1.88	+23 55.9	0.979	1.912	14.4	19.9
11 7	3 54.41	+23 54.8	0.947	1.916	8.8	19.6
11 17	3 44.72	+23 40.6	0.936	1.922	3.0	19.3
11 27	3 34.68	+23 16.5	0.949	1.929	4.5	19.4
12 7	3 26.21	+22 48.6	0.985	1.938	10.2	19.8
12 17	3 20.73	+22 24.0	1.042	1.949	15.4	20.1
12 27	3 19.00	+22 8.4	1.119	1.961	19.8	20.4

120308 Deebradel 11 19.9 102.°29 5.°1/16.7 18

10 18	4 4.94	+ 7 20.1	2.020	2.872	12.3	20.1
10 28	3 59.53	+ 6 14.2	1.963	2.879	9.3	19.9
11 7	3 52.38	+ 5 11.6	1.931	2.886	6.4	19.7
11 17	3 44.20	+ 4 17.5	1.926	2.892	5.1	19.7
11 27	3 35.92	+ 3 36.5	1.950	2.898	6.5	19.8
12 7	3 28.46	+ 3 12.0	2.001	2.905	9.3	19.9
12 17	3 22.55	+ 3 4.9	2.077	2.911	12.2	20.1
12 27	3 18.71	+ 3 14.9	2.175	2.917	14.7	20.3

334314 2001 VY_{132} 11 19.9 54.°08 5.°3/22.8 18

10 18	4 13.75	+34 28.9	1.279	2.108	19.4	19.3
10 28	4 6.83	+34 14.4	1.240	2.138	15.0	19.2
11 7	3 56.81	+33 35.1	1.221	2.168	10.3	19.0
11 17	3 45.17	+32 30.7	1.226	2.199	6.2	18.8
11 27	3 33.80	+31 6.8	1.257	2.229	5.8	18.9
12 7	3 24.39	+29 33.5	1.315	2.260	9.2	19.2
12 17	3 18.00	+28 1.9	1.397	2.291	13.2	19.5
12 27	3 15.11	+26 40.8	1.500	2.322	16.7	19.8

327612 2006 FC_{12} 11 19.9 158.°95 0.°3/20.1 17

10 18	4 5.51	+21 20.2	2.529	3.365	10.7	21.9
10 28	3 59.82	+21 13.7	2.454	3.367	7.8	21.7
11 7	3 52.53	+21 1.8	2.405	3.370	4.6	21.5
11 17	3 44.25	+20 45.2	2.385	3.372	1.1	21.3
11 27	3 35.79	+20 25.7	2.395	3.374	2.5	21.4
12 7	3 27.98	+20 5.9	2.435	3.376	5.8	21.6
12 17	3 21.52	+19 48.5	2.503	3.378	8.9	21.8
12 27	3 16.93	+19 36.3	2.596	3.379	11.5	22.0

383122 2005 TU_{23} 11 19.9 19.°05 0.°1/19.9 18

10 18	4 7.29	+19 45.6	1.026	1.907	19.1	19.8
10 28	4 2.74	+19 56.0	0.980	1.915	14.0	19.6
11 7	3 54.82	+19 59.1	0.952	1.924	8.2	19.3
11 17	3 44.81	+19 55.6	0.947	1.935	1.9	18.9
11 27	3 34.55	+19 48.6	0.967	1.947	4.5	19.2
12 7	3 25.90	+19 42.6	1.009	1.961	10.4	19.5
12 17	3 20.21	+19 42.4	1.074	1.976	15.5	19.9
12 27	3 18.21	+19 51.3	1.157	1.992	19.7	20.2

267110 2000 BV_{13} 11 19.9 258.°70 3.°9/21.7 18

10 18	4 11.21	+29 51.0	1.554	2.387	16.3	20.6
10 28	4 5.15	+30 1.7	1.478	2.382	12.6	20.4
11 7	3 56.12	+29 56.3	1.424	2.377	8.4	20.1
11 17	3 45.12	+29 32.8	1.394	2.372	4.6	19.9
11 27	3 33.66	+28 52.5	1.392	2.366	4.8	19.9
12 7	3 23.35	+28 0.8	1.416	2.361	8.8	20.1
12 17	3 15.49	+27 5.5	1.466	2.356	13.0	20.4
12 27	3 10.91	+26 14.5	1.538	2.350	16.8	20.6

321566 2009 SM_{356} 11 19.9 23.°64 6.°3/15.8 18

10 18	4 3.24	+ 4 48.3	1.944	2.798	12.6	20.1
10 28	3 58.39	+ 3 26.5	1.887	2.801	9.7	20.0
11 7	3 51.76	+ 2 10.0	1.856	2.804	7.2	19.8
11 17	3 44.09	+ 1 4.8	1.851	2.807	6.3	19.8
11 27	3 36.29	+ 0 16.5	1.874	2.811	7.7	19.9
12 7	3 29.29	− 0 11.5	1.924	2.815	10.4	20.0
12 17	3 23.84	− 0 18.5	1.997	2.819	13.1	20.2
12 27	3 20.47	− 0 5.6	2.091	2.823	15.5	20.4

357698 2005 OP_{31} 11 19.9 92.°37 0.°4/20.1 18

10 18	4 7.29	+22 29.9	1.971	2.813	13.0	21.4
10 28	4 1.42	+22 9.2	1.906	2.822	9.5	21.2
11 7	3 53.55	+21 40.3	1.866	2.832	5.6	21.0
11 17	3 44.50	+21 4.5	1.854	2.841	1.4	20.7
11 27	3 35.31	+20 25.1	1.870	2.850	3.0	20.8
12 7	3 27.05	+19 46.2	1.916	2.859	7.0	21.1
12 17	3 20.57	+19 12.2	1.989	2.868	10.6	21.4
12 27	3 16.42	+18 46.4	2.084	2.877	13.7	21.6

150960 2001 TA_{150} 11 19.9 346°.64 1°.7/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 6.62	+15 50.8	1.725	2.582	13.8	19.9
10 28	4 1.25	+15 40.3	1.655	2.579	10.1	19.7
11 7	3 53.62	+15 27.5	1.608	2.576	5.9	19.5
11 17	3 44.54	+15 14.3	1.587	2.574	2.0	19.2
11 27	3 35.15	+15 3.7	1.595	2.572	4.1	19.3
12 7	3 26.65	+14 58.7	1.631	2.570	8.3	19.6
12 17	3 20.03	+15 1.7	1.691	2.568	12.3	19.8
12 27	3 15.95	+15 14.5	1.774	2.567	15.7	20.0

7810 1981 DE 11 19.9 343°.16 0°.5/20.1 18

10 18	4 7.42	+23 29.0	1.365	2.225	16.6	16.9
10 28	4 2.38	+22 53.5	1.296	2.221	12.3	16.6
11 7	3 54.49	+22 4.5	1.249	2.217	7.3	16.3
11 17	3 44.76	+21 4.1	1.227	2.214	1.8	16.0
11 27	3 34.70	+19 58.0	1.232	2.212	3.9	16.1
12 7	3 25.86	+18 53.7	1.262	2.210	9.3	16.4
12 17	3 19.46	+17 58.7	1.317	2.208	14.1	16.7
12 27	3 16.23	+17 18.3	1.392	2.207	18.1	17.0

511767 2015 DA_{212} 11 19.9 171°.04 3°.7/18.2 18

10 18	4 9.81	+11 34.9	1.707	2.560	14.1	21.2
10 28	4 3.47	+10 59.8	1.642	2.563	10.4	21.0
11 7	3 54.85	+10 25.2	1.600	2.565	6.5	20.8
11 17	3 44.82	+ 9 55.0	1.586	2.566	3.7	20.6
11 27	3 34.57	+ 9 33.4	1.600	2.567	5.6	20.7
12 7	3 25.30	+ 9 23.6	1.642	2.568	9.4	20.9
12 17	3 17.98	+ 9 27.5	1.709	2.568	13.2	21.2
12 27	3 13.28	+ 9 45.5	1.798	2.568	16.4	21.4

44315 1998 RG_{16} 11 19.9 37°.11 4°.9/23.0 18

10 18	4 8.68	+35 12.0	1.477	2.301	17.5	18.1
10 28	4 3.11	+34 42.4	1.419	2.314	13.7	17.9
11 7	3 54.74	+33 48.6	1.382	2.327	9.5	17.7
11 17	3 44.77	+32 30.8	1.369	2.341	5.8	17.5
11 27	3 34.80	+30 53.8	1.383	2.356	5.3	17.5
12 7	3 26.34	+29 7.2	1.424	2.371	8.5	17.7
12 17	3 20.44	+27 21.6	1.491	2.386	12.4	18.0
12 27	3 17.68	+25 46.2	1.581	2.402	15.9	18.3

49426 1998 XP_{80} 11 19.9 37°.51 1°.6/18.9 18

10 18	4 7.76	+21 56.5	1.195	2.064	17.8	17.3
10 28	4 2.17	+20 13.9	1.165	2.095	12.8	17.1
11 7	3 53.99	+18 20.2	1.156	2.128	7.2	16.9
11 17	3 44.56	+16 23.9	1.174	2.161	2.0	16.7
11 27	3 35.45	+14 35.5	1.218	2.195	4.8	16.9
12 7	3 28.04	+13 4.3	1.288	2.229	9.8	17.3
12 17	3 23.18	+11 55.7	1.382	2.264	14.2	17.7
12 27	3 21.27	+11 11.5	1.496	2.300	17.6	18.0

351382 2005 ER_{87} 11 19.9 341°.70 2°.6/20.9 16

10 18	4 6.05	+25 18.9	1.314	2.175	17.0	20.9
10 28	4 1.73	+25 35.3	1.240	2.163	12.9	20.6
11 7	3 54.32	+25 39.5	1.188	2.152	8.1	20.3
11 17	3 44.77	+25 30.3	1.158	2.142	3.4	20.0
11 27	3 34.62	+25 9.2	1.154	2.134	4.4	20.0
12 7	3 25.58	+24 40.9	1.175	2.126	9.4	20.3
12 17	3 19.06	+24 11.9	1.219	2.119	14.2	20.6
12 27	3 15.97	+23 48.8	1.284	2.114	18.4	20.8

104892 2000 JB_{2} 11 19.9 211°.85 3°.8/22.1 18

10 18	4 8.52	+32 7.3	2.626	3.427	11.4	19.7
10 28	4 2.24	+32 39.4	2.542	3.424	8.9	19.5
11 7	3 54.07	+33 0.7	2.483	3.421	6.3	19.3
11 17	3 44.66	+33 9.5	2.452	3.418	4.2	19.2
11 27	3 34.92	+33 5.5	2.451	3.415	4.2	19.2
12 7	3 25.81	+32 50.7	2.479	3.411	6.3	19.3
12 17	3 18.17	+32 28.6	2.535	3.408	8.9	19.5
12 27	3 12.64	+32 3.8	2.617	3.404	11.3	19.6

317711 2003 QK_{26} 11 19.9 82°.85 2°.8/21.8 18

10 18	4 8.09	+29 59.2	2.257	3.073	12.5	20.4
10 28	4 1.82	+29 53.9	2.198	3.093	9.5	20.3
11 7	3 53.70	+29 36.3	2.163	3.113	6.2	20.1
11 17	3 44.54	+29 6.4	2.156	3.133	3.4	20.0
11 27	3 35.34	+28 26.2	2.179	3.153	3.4	20.0
12 7	3 27.07	+27 39.9	2.231	3.173	6.2	20.2
12 17	3 20.52	+26 52.2	2.312	3.192	9.3	20.5
12 27	3 16.19	+26 8.0	2.416	3.212	11.9	20.7

51562 2001 GP_{9} 11 19.9 114°.07 3°.6/18.5 18

10 18	4 11.47	+11 22.6	1.576	2.430	15.0	19.2
10 28	4 4.73	+11 0.4	1.520	2.442	11.1	18.9
11 7	3 55.58	+10 40.1	1.488	2.452	6.8	18.7
11 17	3 44.99	+10 24.7	1.482	2.463	3.7	18.6
11 27	3 34.27	+10 17.9	1.505	2.473	5.6	18.7
12 7	3 24.69	+10 22.2	1.554	2.483	9.6	19.0
12 17	3 17.28	+10 38.8	1.629	2.493	13.4	19.2
12 27	3 12.66	+11 7.7	1.725	2.502	16.7	19.5

429957 2012 UG_{172} 11 19.9 351°.48 0°.7/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 0.96	+19 20.9	2.552	3.398	10.2	20.9
10 28	3 56.53	+18 45.1	2.475	3.395	7.4	20.8
11 7	3 50.64	+18 4.2	2.424	3.392	4.3	20.6
11 17	3 43.87	+17 20.4	2.402	3.389	1.1	20.3
11 27	3 36.94	+16 36.6	2.409	3.387	2.7	20.4
12 7	3 30.61	+15 56.3	2.446	3.385	6.0	20.7
12 17	3 25.49	+15 22.4	2.511	3.383	9.0	20.9
12 27	3 22.07	+14 57.2	2.600	3.382	11.5	21.0

437006 2012 TF_{245} 11 19.9 92°.83 0°.8/20.2 18

10 18	4 12.67	+21 29.6	1.618	2.463	15.2	21.2
10 28	4 5.70	+21 43.0	1.561	2.478	11.2	21.0
11 7	3 56.19	+21 49.0	1.528	2.493	6.6	20.8
11 17	3 45.14	+21 47.5	1.521	2.508	1.8	20.5
11 27	3 33.93	+21 40.2	1.543	2.522	3.4	20.7
12 7	3 23.94	+21 30.5	1.593	2.537	8.0	21.0
12 17	3 16.21	+21 22.5	1.669	2.551	12.1	21.3
12 27	3 11.42	+21 19.8	1.767	2.565	15.5	21.5

206629 2003 WT_{154} 11 19.9 115°.67 0°.2/19.9 18

10 18	4 9.95	+20 17.6	1.855	2.699	13.6	20.3
10 28	4 3.54	+20 22.8	1.789	2.706	10.0	20.1
11 7	3 54.90	+20 22.4	1.746	2.712	5.8	19.8
11 17	3 44.87	+20 16.7	1.731	2.719	1.4	19.6
11 27	3 34.60	+20 7.6	1.746	2.725	3.2	19.7
12 7	3 25.29	+19 58.0	1.789	2.731	7.4	20.0
12 17	3 17.89	+19 51.2	1.859	2.737	11.3	20.2
12 27	3 13.05	+19 50.4	1.951	2.743	14.5	20.5

413227 2003 SP_{22} 11 19.9 89°.49 8°.7/25.0 17

10 18	4 18.62	+46 35.1	2.434	3.156	14.2	20.9
10 28	4 10.28	+47 58.0	2.372	3.173	12.3	20.8
11 7	3 59.04	+49 1.1	2.332	3.190	10.5	20.7
11 17	3 45.85	+49 38.9	2.317	3.206	9.1	20.7
11 27	3 32.13	+49 48.8	2.328	3.222	8.7	20.7
12 7	3 19.44	+49 32.9	2.366	3.238	9.5	20.7
12 17	3 9.07	+48 57.0	2.430	3.254	11.0	20.9
12 27	3 1.87	+48 9.0	2.517	3.270	12.6	21.0

178943 2001 QA_{111} 11 19.9 30°.56 0°.3/20.1 18

10 18	4 6.17	+22 36.1	1.482	2.341	15.6	19.1
10 28	4 1.10	+22 7.9	1.428	2.352	11.4	18.8
11 7	3 53.55	+21 29.2	1.395	2.364	6.7	18.6
11 17	3 44.55	+20 42.6	1.389	2.376	1.6	18.3
11 27	3 35.44	+19 52.6	1.409	2.390	3.5	18.5
12 7	3 27.55	+19 5.1	1.457	2.403	8.3	18.8
12 17	3 21.86	+18 25.7	1.529	2.418	12.6	19.1
12 27	3 18.98	+17 58.3	1.622	2.433	16.1	19.4

134794 2000 EW_{17} 11 19.9 267°.46 5°.5/22.1 18

10 18	4 12.47	+33 20.6	1.943	2.749	14.5	18.9
10 28	4 5.91	+34 11.3	1.855	2.738	11.6	18.6
11 7	3 56.59	+34 48.5	1.791	2.726	8.5	18.4
11 17	3 45.32	+35 7.9	1.752	2.714	5.9	18.3
11 27	3 33.39	+35 7.9	1.741	2.703	5.9	18.2
12 7	3 22.27	+34 50.7	1.759	2.691	8.4	18.4
12 17	3 13.24	+34 21.6	1.803	2.678	11.7	18.5
12 27	3 7.20	+33 47.7	1.869	2.666	14.8	18.7

76779 2000 KA_{62} 11 19.9 298°.94 8°.2/13.5 18

10 18	4 2.28	− 4 1.0	2.286	3.117	11.8	19.0
10 28	3 57.56	− 5 27.5	2.225	3.109	9.9	18.8
11 7	3 51.29	− 6 43.7	2.189	3.101	8.5	18.7
11 17	3 44.04	− 7 43.5	2.179	3.093	8.3	18.7
11 27	3 36.62	− 8 22.0	2.196	3.085	9.4	18.8
12 7	3 29.81	− 8 36.9	2.238	3.078	11.3	18.9
12 17	3 24.30	− 8 28.5	2.302	3.070	13.3	19.0
12 27	3 20.61	− 7 59.0	2.386	3.063	15.2	19.2

444973 2008 EX_{60} 11 19.9 344°.86 5°.1/17.2 18

10 18	4 3.57	+10 6.6	1.569	2.438	14.4	20.4
10 28	3 59.13	+ 9 0.0	1.504	2.431	10.7	20.2
11 7	3 52.44	+ 7 54.1	1.461	2.425	7.1	20.0
11 17	3 44.33	+ 6 54.8	1.445	2.419	5.1	19.8
11 27	3 35.94	+ 6 8.8	1.454	2.414	7.0	19.9
12 7	3 28.48	+ 5 40.6	1.490	2.410	10.7	20.1
12 17	3 22.90	+ 5 32.5	1.549	2.407	14.4	20.4
12 27	3 19.87	+ 5 44.3	1.628	2.404	17.6	20.6

139580 2001 QZ_{96} 11 19.9 159°.89 1°.1/20.6 18

10 18	4 8.06	+24 31.9	2.174	3.006	12.3	20.0
10 28	4 1.92	+24 14.3	2.101	3.010	9.1	19.8
11 7	3 53.86	+23 47.4	2.052	3.014	5.5	19.6
11 17	3 44.63	+23 12.0	2.032	3.017	1.8	19.4
11 27	3 35.23	+22 30.8	2.041	3.021	2.8	19.4
12 7	3 26.66	+21 47.8	2.081	3.023	6.5	19.7
12 17	3 19.75	+21 7.4	2.148	3.026	10.0	19.9
12 27	3 15.08	+20 33.6	2.239	3.028	12.9	20.1

183699 2003 YO_{32} 11 19.9 298°.14 0°.4/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 9.01	+20 1.3	1.354	2.217	16.5	20.2
10 28	4 3.81	+19 48.9	1.273	2.200	12.3	19.9
11 7	3 55.54	+19 28.1	1.214	2.183	7.2	19.5
11 17	3 45.10	+19 0.4	1.179	2.167	1.6	19.1
11 27	3 33.99	+18 29.3	1.171	2.151	4.2	19.3
12 7	3 23.89	+18 0.3	1.189	2.135	9.9	19.6
12 17	3 16.22	+17 38.8	1.230	2.119	15.0	19.8
12 27	3 11.94	+17 29.6	1.291	2.104	19.3	20.0

426120 2012 GN_3 11 19.9 170°.75 0°.3/19.8 18

10 18	4 11.80	+20 1.1	1.515	2.367	15.7	21.4
10 28	4 5.33	+19 48.3	1.448	2.369	11.5	21.2
11 7	3 56.12	+19 28.1	1.403	2.371	6.7	20.9
11 17	3 45.17	+19 1.9	1.384	2.372	1.5	20.6
11 27	3 33.91	+18 32.9	1.394	2.373	3.8	20.8
12 7	3 23.81	+18 6.0	1.431	2.373	8.9	21.1
12 17	3 16.04	+17 45.9	1.492	2.374	13.4	21.3
12 27	3 11.33	+17 36.2	1.576	2.374	17.1	21.6

270654 2002 PX_{165} 11 19.9 27°.64 3°.4/18.2 18

10 18	4 4.13	+11 36.1	1.862	2.721	12.9	20.2
10 28	3 59.13	+11 3.1	1.806	2.730	9.4	20.0
11 7	3 52.26	+10 31.3	1.775	2.740	5.9	19.8
11 17	3 44.27	+10 4.0	1.770	2.750	3.4	19.7
11 27	3 36.16	+ 9 44.9	1.794	2.761	5.0	19.8
12 7	3 28.93	+ 9 36.6	1.845	2.772	8.4	20.0
12 17	3 23.36	+ 9 40.7	1.921	2.784	11.8	20.3
12 27	3 20.00	+ 9 57.3	2.019	2.796	14.6	20.5

395498 2011 UX_{90} 11 19.9 112°.47 5°.7/22.8 18

10 18	4 14.24	+35 18.7	1.975	2.771	14.7	21.4
10 28	4 6.86	+35 59.2	1.911	2.785	11.8	21.2
11 7	3 56.91	+36 23.0	1.869	2.798	8.6	21.1
11 17	3 45.35	+36 26.8	1.854	2.812	6.2	21.0
11 27	3 33.53	+36 10.4	1.867	2.825	5.9	21.0
12 7	3 22.84	+35 37.5	1.909	2.837	8.1	21.1
12 17	3 14.37	+34 54.3	1.977	2.850	11.0	21.3
12 27	3 8.84	+34 8.2	2.068	2.862	13.7	21.5

23718 Horgos 11 19.9 117°.07 0°.8/20.3 18

10 18	4 10.43	+23 8.1	1.970	2.806	13.3	19.3
10 28	4 3.68	+22 55.1	1.910	2.822	9.7	19.1
11 7	3 54.87	+22 33.5	1.874	2.838	5.8	18.9
11 17	3 44.86	+22 4.1	1.866	2.853	1.6	18.6
11 27	3 34.77	+21 30.0	1.888	2.868	3.0	18.8
12 7	3 25.69	+20 55.0	1.939	2.882	7.0	19.1
12 17	3 18.49	+20 23.5	2.018	2.895	10.6	19.3
12 27	3 13.74	+19 59.2	2.120	2.909	13.6	19.5

5692 Shirao 11 19.9 193°.93 4°.4/16.9 18

10 18	4 6.22	+ 8 18.3	2.290	3.135	11.3	17.5
10 28	4 0.40	+ 7 17.8	2.219	3.133	8.5	17.3
11 7	3 52.92	+ 6 19.0	2.174	3.130	5.8	17.1
11 17	3 44.43	+ 5 26.3	2.158	3.127	4.4	17.0
11 27	3 35.77	+ 4 43.9	2.172	3.123	5.8	17.1
12 7	3 27.80	+ 4 15.2	2.215	3.119	8.5	17.3
12 17	3 21.23	+ 4 1.7	2.284	3.115	11.3	17.5
12 27	3 16.60	+ 4 3.6	2.375	3.109	13.8	17.6

372800 2010 ST_8 11 19.9 107°.49 2°.0/19.1 16

10 18	4 13.63	+16 33.1	1.474	2.327	16.0	21.8
10 28	4 6.36	+16 2.6	1.424	2.347	11.6	21.6
11 7	3 56.52	+15 28.0	1.398	2.366	6.7	21.4
11 17	3 45.24	+14 52.5	1.398	2.385	2.3	21.2
11 27	3 33.95	+14 20.6	1.427	2.402	4.6	21.4
12 7	3 24.04	+13 56.7	1.483	2.420	9.2	21.7
12 17	3 16.55	+13 44.2	1.564	2.436	13.4	22.0
12 27	3 12.05	+13 44.8	1.667	2.452	16.8	22.3

140221 2001 SC_{239} 11 19.9 142°.46 1°.4/19.1 18

10 18	4 7.20	+16 38.8	2.256	3.099	11.5	20.8
10 28	4 1.12	+16 12.1	2.190	3.107	8.4	20.6
11 7	3 53.33	+15 42.2	2.149	3.116	4.9	20.4
11 17	3 44.52	+15 11.2	2.137	3.123	1.6	20.2
11 27	3 35.59	+14 42.2	2.156	3.131	3.4	20.4
12 7	3 27.43	+14 18.2	2.204	3.138	6.9	20.6
12 17	3 20.78	+14 1.7	2.280	3.144	10.1	20.8
12 27	3 16.17	+13 54.6	2.379	3.150	12.8	21.0

471044 2009 UH_{39} 11 19.9 43°.64 1°.5/19.3 18

10 18	4 8.93	+18 43.4	1.174	2.046	17.9	20.5
10 28	4 3.41	+18 5.4	1.132	2.063	13.0	20.3
11 7	3 54.98	+17 20.2	1.110	2.081	7.4	20.1
11 17	3 44.90	+16 31.9	1.113	2.100	2.0	19.8
11 27	3 34.82	+15 46.6	1.141	2.119	4.8	20.0
12 7	3 26.32	+15 10.7	1.194	2.139	10.0	20.4
12 17	3 20.49	+14 48.4	1.270	2.159	14.7	20.7
12 27	3 17.92	+14 41.9	1.366	2.179	18.4	21.0

332754 2009 UY_8 11 19.9 71°.14 2°.1/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 11.94	+16 4.3	1.358	2.219	16.6	20.9
10 28	4 5.25	+15 40.9	1.315	2.241	12.0	20.7
11 7	3 55.92	+15 14.3	1.294	2.263	7.0	20.4
11 17	3 45.11	+14 47.7	1.298	2.284	2.4	20.2
11 27	3 34.33	+14 25.2	1.330	2.306	4.7	20.4
12 7	3 25.01	+14 11.0	1.388	2.327	9.5	20.8
12 17	3 18.17	+14 7.8	1.471	2.349	13.7	21.1
12 27	3 14.40	+14 17.1	1.574	2.370	17.2	21.4

150149 1996 JF_{11} 11 19.9 114°.73 3°.9/18.0 18

10 18	4 9.14	+11 32.9	1.682	2.537	14.2	20.1
10 28	4 2.91	+10 46.5	1.626	2.547	10.5	19.9
11 7	3 54.50	+10 0.7	1.594	2.558	6.5	19.6
11 17	3 44.80	+ 9 19.9	1.589	2.568	3.9	19.5
11 27	3 34.99	+ 8 48.8	1.612	2.577	5.8	19.7
12 7	3 26.25	+ 8 30.9	1.663	2.587	9.5	19.9
12 17	3 19.47	+ 8 28.2	1.739	2.596	13.1	20.1
12 27	3 15.25	+ 8 40.7	1.836	2.605	16.1	20.4

409681 2006 AE_{35} 11 19.9 48°.92 4°.5/22.7 18

10 18	4 7.98	+33 46.5	1.990	2.801	14.1	20.3
10 28	4 2.18	+33 51.7	1.923	2.810	11.1	20.2
11 7	3 54.13	+33 40.6	1.879	2.819	7.8	20.0
11 17	3 44.72	+33 11.9	1.860	2.828	5.1	19.8
11 27	3 35.15	+32 27.4	1.870	2.837	4.8	19.8
12 7	3 26.60	+31 31.7	1.908	2.847	7.3	20.0
12 17	3 20.02	+30 31.1	1.972	2.857	10.4	20.2
12 27	3 16.01	+29 32.2	2.061	2.867	13.3	20.4

523738 2014 SH_{349} 11 19.9 100°.35 0°.2/17.7 18

10 18	3 44.27	+ 9 46.6	44.513	45.356	0.7	22.0
10 28	3 43.62	+ 9 42.9	44.445	45.359	0.5	22.0
11 7	3 42.91	+ 9 39.3	44.404	45.363	0.3	22.0
11 17	3 42.16	+ 9 36.0	44.392	45.367	0.2	22.0
11 27	3 41.40	+ 9 33.1	44.411	45.370	0.3	22.0
12 7	3 40.66	+ 9 30.7	44.460	45.374	0.5	22.0
12 17	3 39.98	+ 9 28.8	44.537	45.378	0.7	22.0
12 27	3 39.36	+ 9 27.5	44.641	45.381	0.8	22.1

415361 2013 KR_3 11 19.9 53°.71 7°.9/16.9 18

10 18	4 7.24	− 3 29.7	1.970	2.800	13.5	19.8
10 28	4 1.12	− 4 0.9	1.933	2.822	10.9	19.7
11 7	3 53.28	− 4 17.9	1.919	2.844	8.8	19.6
11 17	3 44.51	− 4 16.9	1.932	2.866	7.9	19.6
11 27	3 35.79	− 3 55.6	1.972	2.888	8.8	19.7
12 7	3 28.01	− 3 14.3	2.038	2.911	10.8	19.8
12 17	3 21.88	− 2 15.6	2.128	2.933	13.0	20.0
12 27	3 17.88	− 1 2.8	2.239	2.956	15.0	20.2

331261 2011 CA_{43} 11 19.9 268°.51 4°.6/17.0 17

10 18	4 3.84	+ 6 41.8	2.280	3.128	11.2	20.9
10 28	3 58.71	+ 5 55.6	2.210	3.124	8.5	20.7
11 7	3 51.98	+ 5 13.0	2.167	3.120	5.9	20.5
11 17	3 44.25	+ 4 38.0	2.150	3.117	4.6	20.4
11 27	3 36.34	+ 4 14.1	2.163	3.113	5.9	20.5
12 7	3 29.08	+ 4 3.8	2.204	3.109	8.5	20.7
12 17	3 23.16	+ 4 8.2	2.271	3.105	11.3	20.8
12 27	3 19.11	+ 4 26.9	2.359	3.102	13.7	21.0

485861 2012 FP_6 11 19.9 116°.99 5°.8/23.8 17

10 18	4 9.86	+38 37.8	2.246	3.027	13.6	21.3
10 28	4 3.52	+38 56.1	2.171	3.032	11.1	21.2
11 7	3 54.93	+38 56.8	2.119	3.036	8.5	21.0
11 17	3 44.94	+38 37.4	2.092	3.040	6.4	20.9
11 27	3 34.71	+37 58.5	2.093	3.045	6.0	20.9
12 7	3 25.44	+37 3.8	2.123	3.049	7.6	21.0
12 17	3 18.10	+35 59.4	2.179	3.053	10.1	21.2
12 27	3 13.34	+34 52.4	2.260	3.057	12.6	21.3

354899 2006 BK_{268} 11 19.9 346°.88 3°.6/19.1 18

10 18	4 12.10	+ 9 37.3	1.452	2.310	15.9	19.8
10 28	4 5.66	+ 9 56.9	1.385	2.307	11.9	19.5
11 7	3 56.41	+10 22.8	1.339	2.304	7.4	19.3
11 17	3 45.31	+10 56.6	1.320	2.302	3.8	19.1
11 27	3 33.77	+11 39.2	1.328	2.300	5.6	19.2
12 7	3 23.28	+12 30.7	1.364	2.299	10.1	19.4
12 17	3 15.08	+13 30.4	1.424	2.298	14.4	19.7
12 27	3 9.98	+14 37.5	1.506	2.297	18.0	19.9

224763 2006 EC_{12} 11 19.9 356°.60 1°.4/19.2 18

10 18	4 3.89	+17 29.8	1.700	2.562	13.8	19.8
10 28	3 59.31	+17 3.6	1.631	2.558	10.0	19.6
11 7	3 52.55	+16 32.8	1.586	2.556	5.8	19.3
11 17	3 44.40	+15 59.9	1.567	2.554	1.8	19.0
11 27	3 35.99	+15 28.9	1.576	2.553	3.9	19.2
12 7	3 28.47	+15 3.9	1.612	2.553	8.2	19.4
12 17	3 22.78	+14 48.3	1.672	2.553	12.2	19.7
12 27	3 19.57	+14 44.4	1.755	2.554	15.5	19.9

3882 Johncox 11 19.9 135°.96 1°.9/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 9.34	+16 44.8	1.833	2.682	13.5	17.1
10 28	4 2.98	+16 3.3	1.771	2.692	9.8	16.9
11 7	3 54.52	+15 17.3	1.734	2.701	5.7	16.7
11 17	3 44.83	+14 30.2	1.724	2.710	2.1	16.5
11 27	3 35.02	+13 46.4	1.744	2.718	4.1	16.7
12 7	3 26.21	+13 10.1	1.792	2.726	8.2	16.9
12 17	3 19.28	+12 44.9	1.867	2.733	11.9	17.2
12 27	3 14.81	+12 32.7	1.964	2.740	14.9	17.4

66513 1999 RE_{94} 11 19.9 97°.31 6°.4/16.7 18

10 18	4 8.34	+ 4 13.3	1.810	2.658	13.7	19.1
10 28	4 2.07	+ 3 8.8	1.767	2.678	10.5	18.9
11 7	3 53.89	+ 2 11.7	1.749	2.696	7.7	18.8
11 17	3 44.67	+ 1 27.8	1.757	2.715	6.4	18.8
11 27	3 35.46	+ 1 1.4	1.793	2.733	7.8	18.9
12 7	3 27.27	+ 0 54.8	1.856	2.751	10.4	19.1
12 17	3 20.89	+ 1 7.5	1.943	2.768	13.3	19.3
12 27	3 16.81	+ 1 37.7	2.050	2.785	15.7	19.5

116735 2004 DD_{37} 11 19.9 85°.40 6°.6/16.9 18

10 18	4 9.32	+ 6 28.0	1.484	2.344	15.5	19.2
10 28	4 3.12	+ 5 15.4	1.442	2.360	11.8	19.0
11 7	3 54.62	+ 4 9.1	1.422	2.377	8.2	18.8
11 17	3 44.84	+ 3 16.0	1.428	2.394	6.6	18.8
11 27	3 35.07	+ 2 41.9	1.461	2.410	8.2	18.9
12 7	3 26.53	+ 2 29.8	1.519	2.426	11.5	19.1
12 17	3 20.14	+ 2 39.7	1.601	2.442	14.8	19.4
12 27	3 16.46	+ 3 9.3	1.703	2.458	17.7	19.6

304226 2006 QG_{164} 11 19.9 147°.07 2°.3/21.6 18

10 18	4 9.59	+29 36.2	2.345	3.157	12.2	21.0
10 28	4 2.91	+29 10.2	2.272	3.167	9.2	20.8
11 7	3 54.38	+28 31.2	2.225	3.177	5.9	20.6
11 17	3 44.79	+27 40.0	2.206	3.186	2.9	20.4
11 27	3 35.13	+26 39.3	2.218	3.195	3.1	20.5
12 7	3 26.38	+25 33.8	2.261	3.202	6.2	20.7
12 17	3 19.30	+24 28.9	2.332	3.210	9.3	20.9
12 27	3 14.42	+23 29.7	2.428	3.216	12.1	21.1

60541 2000 EN_{63} 11 19.9 61°.08 2°.0/20.8 18

10 18	4 10.18	+24 55.7	1.681	2.522	14.9	18.6
10 28	4 3.87	+25 6.9	1.626	2.539	11.1	18.4
11 7	3 55.15	+25 7.7	1.595	2.556	6.8	18.2
11 17	3 44.99	+24 57.8	1.589	2.573	2.7	17.9
11 27	3 34.71	+24 39.1	1.612	2.591	3.5	18.0
12 7	3 25.60	+24 15.6	1.663	2.608	7.6	18.3
12 17	3 18.65	+23 52.3	1.739	2.626	11.5	18.6
12 27	3 14.49	+23 33.6	1.839	2.643	14.7	18.9

351388 2005 EQ_{159} 11 19.9 348°.82 4°.3/18.1 16

10 18	4 0.71	+13 59.5	1.099	1.989	17.4	20.2
10 28	3 57.92	+13 3.6	1.035	1.975	12.9	19.9
11 7	3 52.15	+12 3.6	0.991	1.963	7.9	19.6
11 17	3 44.37	+11 6.3	0.970	1.953	4.3	19.4
11 27	3 36.12	+10 19.9	0.972	1.945	6.9	19.5
12 7	3 29.03	+ 9 51.3	0.997	1.938	12.0	19.8
12 17	3 24.40	+ 9 44.3	1.043	1.934	16.9	20.0
12 27	3 23.08	+ 9 59.5	1.107	1.931	21.1	20.3

164925 1999 XN_{79} 11 19.9 23°.80 0°.2/19.8 18

10 18	4 7.60	+20 53.7	1.687	2.539	14.3	20.3
10 28	4 2.04	+20 29.7	1.619	2.540	10.5	20.0
11 7	3 54.14	+19 57.5	1.574	2.541	6.1	19.8
11 17	3 44.78	+19 19.2	1.555	2.543	1.4	19.5
11 27	3 35.18	+18 38.5	1.565	2.544	3.5	19.6
12 7	3 26.58	+18 0.4	1.602	2.546	8.1	19.9
12 17	3 19.97	+17 29.3	1.665	2.547	12.2	20.2
12 27	3 16.03	+17 8.9	1.751	2.549	15.6	20.4

406774 2008 PO_{1} 11 19.9 57°.23 8°.3/15.3 18

10 18	4 4.80	− 3 37.6	2.026	2.859	13.0	21.0
10 28	3 59.32	− 4 47.5	1.995	2.883	10.7	20.9
11 7	3 52.24	− 5 43.8	1.989	2.907	8.9	20.8
11 17	3 44.31	− 6 21.0	2.008	2.931	8.4	20.8
11 27	3 36.43	− 6 35.8	2.053	2.955	9.3	20.9
12 7	3 29.44	− 6 27.6	2.124	2.979	11.2	21.1
12 17	3 23.99	− 5 57.9	2.218	3.003	13.2	21.3
12 27	3 20.53	− 5 10.2	2.331	3.027	15.0	21.5

156869 2003 DS_{17} 11 19.9 264°.04 0°.2/20.0 18

10 18	4 10.13	+20 57.5	1.699	2.547	14.5	20.4
10 28	4 4.15	+20 52.7	1.613	2.532	10.7	20.1
11 7	3 55.56	+20 40.3	1.550	2.517	6.4	19.8
11 17	3 45.17	+20 21.1	1.514	2.501	1.5	19.5
11 27	3 34.23	+19 57.4	1.506	2.486	3.5	19.6
12 7	3 24.14	+19 33.1	1.526	2.470	8.4	19.9
12 17	3 16.07	+19 12.9	1.572	2.453	12.8	20.1
12 27	3 10.87	+19 1.0	1.640	2.437	16.6	20.3

251352 2007 TH_{62} 11 19.9 55°.60 0°.4/19.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 10.82	+20 40.2	1.232	2.097	17.7	20.8
10 28	4 5.02	+20 17.6	1.174	2.102	13.0	20.5
11 7	3 56.11	+19 45.2	1.138	2.108	7.6	20.2
11 17	3 45.26	+19 5.4	1.126	2.113	1.7	19.9
11 27	3 34.16	+18 23.2	1.140	2.119	4.3	20.1
12 7	3 24.51	+17 44.9	1.179	2.126	9.9	20.4
12 17	3 17.57	+17 16.5	1.242	2.132	14.8	20.7
12 27	3 14.07	+17 1.9	1.324	2.138	18.9	21.0

151119 2001 WD_{51} 11 19.9 299°.54 1°.6/20.7 18

10 18	4 8.17	+24 27.8	1.947	2.785	13.3	20.3
10 28	4 2.34	+24 33.4	1.872	2.783	9.9	20.1
11 7	3 54.30	+24 30.0	1.820	2.782	6.1	19.9
11 17	3 44.85	+24 17.5	1.796	2.780	2.3	19.6
11 27	3 35.08	+23 57.5	1.800	2.779	3.2	19.7
12 7	3 26.17	+23 33.4	1.833	2.777	7.1	20.0
12 17	3 19.06	+23 9.5	1.893	2.776	10.9	20.2
12 27	3 14.45	+22 50.1	1.976	2.775	14.1	20.4

354418 2003 WO_{12} 11 19.9 55°.25 5°.0/20.3 17

10 18	4 25.18	+22 43.2	1.094	1.943	20.7	19.7
10 28	4 16.76	+24 58.2	1.032	1.947	15.8	19.4
11 7	4 3.69	+27 11.2	0.991	1.951	10.2	19.1
11 17	3 47.15	+29 10.6	0.975	1.955	5.5	18.8
11 27	3 29.44	+30 46.2	0.987	1.960	6.8	18.9
12 7	3 13.32	+31 55.1	1.025	1.964	11.9	19.2
12 17	3 0.98	+32 42.3	1.086	1.969	17.0	19.6
12 27	2 53.66	+33 17.1	1.166	1.974	21.3	19.9

480921 2002 XL_{31} 11 19.9 345°.24 5°.1/23.2 17

10 18	4 4.73	+35 49.2	1.383	2.214	18.0	20.0
10 28	4 0.74	+35 6.9	1.304	2.203	14.3	19.7
11 7	3 53.71	+33 55.8	1.245	2.192	10.1	19.4
11 17	3 44.73	+32 15.2	1.210	2.183	6.2	19.2
11 27	3 35.43	+30 10.3	1.200	2.175	5.5	19.1
12 7	3 27.45	+27 52.3	1.217	2.168	9.1	19.3
12 17	3 22.07	+25 35.0	1.259	2.162	13.6	19.6
12 27	3 20.00	+23 30.5	1.323	2.158	17.7	19.8

167752 2004 XP_{70} 11 19.9 314°.43 0°.8/20.3 18

10 18	4 8.55	+22 4.4	1.571	2.424	15.2	20.0
10 28	4 3.09	+22 6.3	1.495	2.415	11.3	19.8
11 7	3 54.96	+22 0.0	1.441	2.407	6.7	19.5
11 17	3 45.03	+21 45.4	1.413	2.400	1.9	19.2
11 27	3 34.64	+21 25.0	1.412	2.392	3.6	19.3
12 7	3 25.22	+21 2.8	1.438	2.385	8.5	19.6
12 17	3 17.96	+20 43.5	1.490	2.378	12.9	19.8
12 27	3 13.66	+20 31.7	1.563	2.371	16.7	20.0

424270 2007 TH_{27} 11 19.9 351°.12 1°.9/19.2 15

10 18	4 8.96	+18 15.5	1.197	2.068	17.6	21.5
10 28	4 3.77	+17 34.5	1.135	2.067	13.0	21.2
11 7	3 55.46	+16 45.4	1.094	2.065	7.6	20.9
11 17	3 45.14	+15 52.1	1.077	2.064	2.3	20.6
11 27	3 34.47	+15 1.1	1.085	2.063	5.1	20.8
12 7	3 25.14	+14 19.6	1.119	2.063	10.7	21.1
12 17	3 18.48	+13 52.9	1.175	2.062	15.7	21.4
12 27	3 15.25	+13 44.1	1.250	2.063	19.9	21.7

239745 2009 XD_{15} 11 19.9 277°.29 1°.3/20.5 18

10 18	4 9.47	+23 56.5	1.618	2.465	15.1	21.2
10 28	4 3.79	+23 50.4	1.535	2.452	11.3	21.0
11 7	3 55.40	+23 33.4	1.474	2.438	6.9	20.7
11 17	3 45.15	+23 5.7	1.439	2.425	2.2	20.4
11 27	3 34.38	+22 29.7	1.432	2.412	3.6	20.4
12 7	3 24.54	+21 50.3	1.452	2.398	8.4	20.7
12 17	3 16.85	+21 13.5	1.498	2.385	13.0	20.9
12 27	3 12.16	+20 44.7	1.565	2.371	16.8	21.1

394605 2007 VW_{268} 11 19.9 19°.80 2°.7/19.1 18

10 18	4 10.06	+12 7.0	1.690	2.544	14.2	20.1
10 28	4 3.81	+12 14.1	1.624	2.545	10.5	19.8
11 7	3 55.20	+12 23.4	1.581	2.546	6.3	19.6
11 17	3 45.07	+12 36.5	1.564	2.548	2.8	19.4
11 27	3 34.63	+12 55.0	1.576	2.550	4.6	19.5
12 7	3 25.14	+13 20.5	1.617	2.552	8.8	19.8
12 17	3 17.62	+13 53.6	1.683	2.554	12.7	20.0
12 27	3 12.77	+14 34.7	1.771	2.556	16.0	20.2

450424 2005 UC_{26} 11 19.9 12°.63 0°.7/20.2 15

10 18	4 6.35	+21 33.1	1.562	2.419	15.0	21.3
10 28	4 1.32	+21 37.1	1.499	2.422	11.1	21.1
11 7	3 53.82	+21 33.5	1.459	2.426	6.5	20.8
11 17	3 44.75	+21 22.9	1.444	2.431	1.7	20.5
11 27	3 35.42	+21 7.7	1.457	2.437	3.4	20.7
12 7	3 27.13	+20 51.7	1.496	2.444	8.1	21.0
12 17	3 20.95	+20 38.9	1.561	2.451	12.3	21.2
12 27	3 17.56	+20 33.0	1.647	2.459	15.8	21.5

143966 2003 YE_{133} 11 19.9 336°.46 3°.1/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 10.31	+12 43.3	1.269	2.138	17.0	19.5
10 28	4 4.71	+12 42.8	1.203	2.132	12.6	19.2
11 7	3 56.04	+12 44.1	1.159	2.127	7.6	18.9
11 17	3 45.30	+12 49.8	1.138	2.123	3.3	18.6
11 27	3 34.07	+13 2.7	1.144	2.118	5.6	18.8
12 7	3 24.00	+13 25.1	1.174	2.115	10.7	19.1
12 17	3 16.45	+13 58.1	1.228	2.112	15.5	19.3
12 27	3 12.29	+14 42.3	1.302	2.109	19.5	19.6

289416 2005 CY_{80} 11 19.9 249°.75 0°.3/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 7.56	+22 51.5	1.869	2.713	13.5	19.9
10 28	4 1.89	+21 50.4	1.787	2.705	9.9	19.7
11 7	3 54.03	+20 37.1	1.730	2.696	5.8	19.4
11 17	3 44.80	+19 14.9	1.700	2.688	1.3	19.1
11 27	3 35.32	+17 49.1	1.700	2.679	3.4	19.2
12 7	3 26.74	+16 26.8	1.729	2.670	7.8	19.5
12 17	3 20.01	+15 14.4	1.786	2.661	11.9	19.7
12 27	3 15.76	+14 16.6	1.865	2.651	15.2	19.9

308825 Siksika 11 19.9 347°.84 6°.6/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.74	+ 3 28.0	1.672	2.526	14.4	19.6
10 28	4 1.33	+ 2 55.3	1.609	2.523	11.1	19.4
11 7	3 53.73	+ 2 31.5	1.569	2.520	8.1	19.3
11 17	3 44.73	+ 2 21.5	1.555	2.517	6.6	19.2
11 27	3 35.48	+ 2 29.1	1.567	2.515	7.9	19.2
12 7	3 27.12	+ 2 55.8	1.606	2.513	11.0	19.4
12 17	3 20.60	+ 3 40.6	1.668	2.512	14.2	19.6
12 27	3 16.59	+ 4 41.2	1.751	2.511	17.1	19.8

475345 2006 BJ_{107} 11 19.9 31°.40 6°.7/17.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 8.06	+ 6 30.3	1.157	2.032	17.9	20.3
10 28	4 2.75	+ 5 55.4	1.118	2.046	13.5	20.1
11 7	3 54.64	+ 5 29.8	1.100	2.061	9.2	19.9
11 17	3 44.92	+ 5 19.0	1.105	2.077	6.7	19.8
11 27	3 35.16	+ 5 27.5	1.134	2.095	8.4	20.0
12 7	3 26.86	+ 5 56.1	1.187	2.113	12.2	20.2
12 17	3 21.10	+ 6 43.3	1.262	2.131	16.2	20.5
12 27	3 18.49	+ 7 45.8	1.356	2.151	19.5	20.8

342034 2008 RF_{112} 11 19.9 103°.57 0°.3/20.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 11.22	+22 13.7	1.752	2.594	14.4	22.1
10 28	4 4.43	+21 52.3	1.697	2.613	10.5	21.9
11 7	3 55.40	+21 22.1	1.665	2.631	6.1	21.7
11 17	3 45.09	+20 44.7	1.661	2.648	1.5	21.4
11 27	3 34.73	+20 3.7	1.686	2.665	3.2	21.6
12 7	3 25.54	+19 23.9	1.740	2.682	7.6	21.9
12 17	3 18.43	+18 49.9	1.820	2.698	11.5	22.2
12 27	3 13.97	+18 25.5	1.923	2.714	14.7	22.4

333627 2008 ED_{43} 11 19.9 129°.09 1°.7/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 11.55	+16 35.3	1.802	2.648	13.8	21.8
10 28	4 4.60	+16 6.1	1.744	2.663	10.1	21.6
11 7	3 55.48	+15 33.2	1.711	2.678	5.8	21.4
11 17	3 45.11	+14 59.2	1.705	2.691	2.0	21.1
11 27	3 34.66	+14 27.8	1.729	2.704	4.0	21.3
12 7	3 25.28	+14 2.9	1.782	2.716	8.1	21.6
12 17	3 17.88	+13 47.5	1.861	2.728	11.9	21.8
12 27	3 13.03	+13 43.5	1.962	2.739	15.0	22.1

112319 2002 MM 11 19.9 109°.30 1°.5/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 10.61	+24 30.9	1.909	2.743	13.7	20.3
10 28	4 4.00	+24 33.4	1.846	2.756	10.1	20.1
11 7	3 55.19	+24 26.5	1.808	2.769	6.2	19.9
11 17	3 45.06	+24 10.1	1.797	2.782	2.2	19.6
11 27	3 34.78	+23 46.4	1.815	2.794	3.2	19.7
12 7	3 25.51	+23 19.1	1.862	2.806	7.1	20.0
12 17	3 18.19	+22 52.6	1.936	2.817	10.8	20.3
12 27	3 13.42	+22 31.1	2.034	2.829	13.9	20.5

58561 1997 ME_{9} 11 19.9 132°.80 0°.4/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 7.89	+22 14.8	1.893	2.736	13.4	20.1
10 28	4 2.08	+21 56.1	1.822	2.739	9.8	19.9
11 7	3 54.12	+21 29.1	1.776	2.741	5.8	19.7
11 17	3 44.83	+20 54.9	1.756	2.743	1.5	19.4
11 27	3 35.32	+20 16.8	1.766	2.746	3.1	19.5
12 7	3 26.73	+19 39.1	1.804	2.748	7.3	19.8
12 17	3 19.97	+19 6.1	1.869	2.750	11.1	20.0
12 27	3 15.66	+18 41.7	1.957	2.751	14.3	20.3

377201 2003 WM_{78} 11 19.9 338°.62 4°.0/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 10.43	+24 59.2	1.103	1.969	19.3	20.2
10 28	4 5.67	+26 0.8	1.034	1.958	14.7	19.9
11 7	3 57.07	+26 53.2	0.983	1.947	9.5	19.5
11 17	3 45.64	+27 31.5	0.955	1.938	4.7	19.2
11 27	3 33.27	+27 53.3	0.952	1.929	5.6	19.3
12 7	3 22.16	+28 0.7	0.972	1.922	10.9	19.5
12 17	3 14.15	+27 59.8	1.014	1.916	16.2	19.8
12 27	3 10.38	+27 58.2	1.074	1.911	20.7	20.1

206343 2003 PB_{7} 11 19.9 135°.37 1°.4/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 12.10	+18 32.4	1.511	2.364	15.6	20.8
10 28	4 5.42	+17 56.9	1.451	2.373	11.4	20.6
11 7	3 56.14	+17 14.6	1.413	2.382	6.6	20.3
11 17	3 45.30	+16 28.5	1.403	2.390	1.8	20.1
11 27	3 34.29	+15 43.5	1.420	2.397	4.3	20.2
12 7	3 24.54	+15 5.1	1.465	2.405	9.1	20.5
12 17	3 17.10	+14 37.8	1.536	2.411	13.4	20.8
12 27	3 12.64	+14 24.5	1.627	2.418	17.0	21.1

361814 2008 CL_{73} 11 19.9 233°.76 3°.3/21.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 9.90	+30 37.5	2.481	3.287	11.8	21.6
10 28	4 3.42	+30 51.7	2.385	3.273	9.1	21.4
11 7	3 54.91	+30 54.7	2.315	3.259	6.2	21.2
11 17	3 45.04	+30 45.0	2.272	3.245	3.7	21.0
11 27	3 34.78	+30 23.1	2.259	3.230	3.8	21.0
12 7	3 25.15	+29 51.5	2.277	3.214	6.4	21.1
12 17	3 17.06	+29 14.6	2.323	3.198	9.5	21.3
12 27	3 11.18	+28 37.3	2.393	3.181	12.2	21.4

253812 2003 YJ_{29} 11 19.9 230°.46 3°.1/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 10.99	+12 49.9	1.580	2.435	15.0	20.4
10 28	4 4.71	+12 30.9	1.507	2.430	11.1	20.1
11 7	3 55.84	+12 12.0	1.458	2.424	6.7	19.8
11 17	3 45.26	+11 56.0	1.435	2.418	3.2	19.6
11 27	3 34.29	+11 46.6	1.440	2.411	5.3	19.7
12 7	3 24.30	+11 46.9	1.472	2.405	9.7	20.0
12 17	3 16.41	+11 59.0	1.529	2.398	13.9	20.2
12 27	3 11.40	+12 23.7	1.607	2.391	17.4	20.4

147616 2004 HS_{9} 11 19.9 234°.86 1°.1/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 11.11	+23 38.6	1.790	2.629	14.2	21.0
10 28	4 4.76	+23 30.6	1.705	2.618	10.6	20.7
11 7	3 55.87	+23 12.6	1.643	2.607	6.4	20.5
11 17	3 45.28	+22 44.8	1.609	2.595	2.0	20.1
11 27	3 34.23	+22 9.6	1.603	2.583	3.4	20.2
12 7	3 24.07	+21 31.4	1.626	2.570	7.9	20.5
12 17	3 15.91	+20 55.6	1.676	2.557	12.2	20.7
12 27	3 10.55	+20 27.3	1.748	2.543	15.8	20.9

513252 2006 ET_{48} 11 19.9 80°.51 6°.4/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 15.26	+35 31.4	1.677	2.481	16.6	20.7
10 28	4 7.98	+36 18.9	1.621	2.499	13.2	20.5
11 7	3 57.75	+36 47.2	1.586	2.517	9.8	20.3
11 17	3 45.68	+36 52.3	1.576	2.534	7.0	20.2
11 27	3 33.38	+36 34.0	1.593	2.552	6.7	20.3
12 7	3 22.46	+35 56.8	1.638	2.569	9.0	20.4
12 17	3 14.16	+35 8.3	1.708	2.586	12.1	20.7
12 27	3 9.17	+34 17.4	1.800	2.603	15.1	20.9

242501 2004 XS_{38} 11 19.9 328°.46 8°.7/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 2.98	+ 4 57.7	1.304	2.179	16.3	19.5
10 28	3 59.22	+ 3 17.8	1.235	2.160	12.8	19.3
11 7	3 52.80	+ 1 41.9	1.189	2.142	9.7	19.1
11 17	3 44.59	+ 0 20.2	1.165	2.125	8.7	19.0
11 27	3 35.90	− 0 37.4	1.166	2.108	10.7	19.0
12 7	3 28.17	− 1 4.7	1.190	2.093	14.3	19.2
12 17	3 22.57	− 1 0.1	1.235	2.079	18.2	19.4
12 27	3 19.93	− 0 26.2	1.296	2.066	21.6	19.6

53894 2000 FV_{44} 11 19.9 284°.45 0°.6/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 11.40	+20 41.2	1.507	2.359	15.7	19.3
10 28	4 5.28	+20 56.2	1.434	2.354	11.7	19.1
11 7	3 56.30	+21 4.9	1.382	2.349	6.9	18.8
11 17	3 45.39	+21 6.8	1.357	2.344	1.8	18.4
11 27	3 33.98	+21 3.5	1.359	2.339	3.7	18.6
12 7	3 23.61	+20 58.1	1.389	2.334	8.8	18.9
12 17	3 15.56	+20 54.7	1.443	2.329	13.4	19.1
12 27	3 10.66	+20 57.5	1.519	2.325	17.3	19.3

74662 1999 RH_{93} 11 19.9 44°.30 2°.0/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 11.33	+24 9.0	1.309	2.164	17.4	18.8
10 28	4 5.11	+24 24.2	1.267	2.187	12.9	18.6
11 7	3 56.02	+24 27.9	1.246	2.210	7.8	18.4
11 17	3 45.26	+24 19.6	1.249	2.234	2.8	18.1
11 27	3 34.49	+24 1.9	1.279	2.259	4.0	18.3
12 7	3 25.26	+23 39.8	1.335	2.284	8.8	18.6
12 17	3 18.69	+23 18.9	1.416	2.309	13.1	18.9
12 27	3 15.38	+23 4.2	1.517	2.334	16.7	19.2

459463 2013 AO_{55} 11 19.9 87°.94 15°.5/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 24.22	+52 33.3	1.202	1.951	24.8	20.8
10 28	4 16.91	+53 47.8	1.148	1.959	22.1	20.6
11 7	4 3.94	+54 22.2	1.108	1.968	19.2	20.5
11 17	3 47.18	+54 3.7	1.085	1.977	16.8	20.4
11 27	3 30.00	+52 47.3	1.082	1.985	15.6	20.3
12 7	3 15.79	+50 41.7	1.100	1.994	16.1	20.4
12 17	3 6.68	+48 5.2	1.139	2.002	18.0	20.5
12 27	3 3.30	+45 19.1	1.198	2.010	20.6	20.7

135816 2002 RR_{186} 11 19.9 14°.45 6°.0/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 9.38	+36 22.4	1.647	2.458	16.5	19.2
10 28	4 3.79	+36 31.6	1.576	2.460	13.3	19.0
11 7	3 55.37	+36 19.3	1.527	2.462	9.7	18.8
11 17	3 45.15	+35 43.1	1.502	2.464	6.8	18.6
11 27	3 34.65	+34 44.3	1.503	2.467	6.3	18.6
12 7	3 25.41	+33 29.3	1.531	2.470	8.8	18.8
12 17	3 18.59	+32 6.8	1.585	2.474	12.2	19.0
12 27	3 14.93	+30 46.2	1.661	2.478	15.5	19.2

64565 2001 WA_{36} 11 19.9 12°.24 3°.4/18.5 18

10 18	4 7.39	+13 53.7	1.388	2.256	15.9	18.9
10 28	4 2.20	+13 11.1	1.328	2.257	11.7	18.7
11 7	3 54.38	+12 26.5	1.290	2.258	7.1	18.4
11 17	3 44.93	+11 44.6	1.277	2.260	3.5	18.2
11 27	3 35.22	+11 10.8	1.291	2.262	5.7	18.4
12 7	3 26.66	+10 49.9	1.330	2.265	10.3	18.7
12 17	3 20.36	+10 44.8	1.393	2.268	14.5	18.9
12 27	3 16.99	+10 56.2	1.476	2.272	18.2	19.2

347581 2001 CK_{13} 11 19.9 291°.20 5°.7/17.4 18

10 18	4 7.65	+ 6 36.2	1.682	2.538	14.2	20.1
10 28	4 2.23	+ 5 57.3	1.600	2.518	10.9	19.8
11 7	3 54.42	+ 5 23.1	1.541	2.498	7.6	19.6
11 17	3 44.98	+ 4 58.7	1.508	2.477	5.7	19.4
11 27	3 35.03	+ 4 48.8	1.502	2.457	7.4	19.5
12 7	3 25.82	+ 4 56.5	1.522	2.437	10.9	19.6
12 17	3 18.44	+ 5 22.7	1.567	2.417	14.6	19.8
12 27	3 13.68	+ 6 6.4	1.632	2.397	18.0	20.0

190698 2001 FG_{30} 11 19.9 141°.53 1°.0/19.4 18

10 18	4 6.46	+16 35.5	2.535	3.374	10.5	20.3
10 28	4 0.53	+16 29.8	2.465	3.381	7.7	20.2
11 7	3 53.04	+16 22.0	2.421	3.387	4.4	20.0
11 17	3 44.60	+16 13.2	2.407	3.393	1.3	19.7
11 27	3 36.00	+16 5.1	2.423	3.399	2.9	19.9
12 7	3 28.06	+15 59.9	2.469	3.405	6.1	20.1
12 17	3 21.43	+15 59.2	2.543	3.410	9.1	20.3
12 27	3 16.64	+16 4.8	2.642	3.415	11.6	20.5

369478 2010 TT_{105} 11 19.9 80°.12 3°.3/18.3 16

10 18	4 11.21	+16 18.0	1.275	2.140	17.2	21.5
10 28	4 4.86	+15 1.3	1.230	2.159	12.4	21.3
11 7	3 55.79	+13 39.3	1.208	2.177	7.3	21.0
11 17	3 45.22	+12 18.8	1.212	2.196	3.4	20.9
11 27	3 34.71	+11 7.8	1.242	2.214	5.9	21.1
12 7	3 25.74	+10 13.3	1.299	2.232	10.6	21.4
12 17	3 19.32	+ 9 39.2	1.379	2.250	14.9	21.7
12 27	3 16.02	+ 9 26.3	1.478	2.268	18.4	22.0

135668 2002 NT_{20} 11 19.9 82°.45 6°.7/16.8 18

10 18	4 8.00	+ 3 18.6	1.770	2.619	13.9	19.7
10 28	4 1.90	+ 2 20.4	1.728	2.638	10.8	19.6
11 7	3 53.87	+ 1 30.9	1.710	2.656	7.9	19.4
11 17	3 44.78	+ 0 55.5	1.718	2.675	6.7	19.4
11 27	3 35.69	+ 0 38.3	1.754	2.693	8.0	19.5
12 7	3 27.63	+ 0 41.1	1.816	2.711	10.6	19.7
12 17	3 21.38	+ 1 3.1	1.902	2.729	13.4	20.0
12 27	3 17.47	+ 1 42.1	2.009	2.747	15.9	20.2

95292 2002 CM_{89} 11 19.9 107°.14 0°.6/19.6 18

10 18	4 6.82	+18 42.9	2.136	2.981	12.0	19.9
10 28	4 1.06	+18 30.1	2.068	2.986	8.8	19.7
11 7	3 53.45	+18 12.9	2.025	2.992	5.1	19.5
11 17	3 44.71	+17 52.8	2.010	2.997	1.2	19.3
11 27	3 35.80	+17 32.1	2.024	3.002	3.0	19.4
12 7	3 27.67	+17 13.9	2.068	3.007	6.8	19.7
12 17	3 21.12	+17 0.9	2.139	3.013	10.2	19.9
12 27	3 16.71	+16 55.6	2.233	3.018	13.1	20.1

271565 2004 JJ_{53} 11 19.9 269°.80 0°.3/20.1 18

10 18	4 10.29	+21 10.8	1.536	2.388	15.5	21.0
10 28	4 4.42	+21 6.2	1.460	2.381	11.5	20.7
11 7	3 55.79	+20 53.4	1.407	2.374	6.8	20.4
11 17	3 45.30	+20 33.2	1.379	2.366	1.7	20.1
11 27	3 34.35	+20 8.2	1.379	2.359	3.7	20.2
12 7	3 24.42	+19 42.9	1.406	2.351	8.8	20.5
12 17	3 16.72	+19 22.3	1.458	2.344	13.3	20.7
12 27	3 12.09	+19 10.6	1.532	2.336	17.2	21.0

319219 2005 YM_{261} 11 19.9 151°.02 1°.0/19.4 18

10 18	4 6.33	+17 12.6	2.466	3.306	10.8	21.4
10 28	4 0.48	+16 58.0	2.395	3.312	7.8	21.3
11 7	3 53.03	+16 40.3	2.351	3.317	4.5	21.1
11 17	3 44.61	+16 21.2	2.335	3.322	1.3	20.8
11 27	3 36.04	+16 2.7	2.350	3.326	2.9	21.0
12 7	3 28.14	+15 47.5	2.395	3.331	6.3	21.2
12 17	3 21.59	+15 37.7	2.468	3.335	9.3	21.4
12 27	3 16.93	+15 35.1	2.565	3.338	11.9	21.6

240649 2005 CW 11 19.9 149°.35 5°.6/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 12.83	+37 58.4	2.165	2.946	14.1	20.5
10 28	4 5.73	+38 9.4	2.091	2.954	11.4	20.4
11 7	3 56.27	+38 2.0	2.040	2.961	8.5	20.2
11 17	3 45.37	+37 33.9	2.015	2.968	6.2	20.1
11 27	3 34.28	+36 45.9	2.019	2.975	5.8	20.1
12 7	3 24.27	+35 42.5	2.052	2.980	7.6	20.2
12 17	3 16.32	+34 30.5	2.112	2.986	10.3	20.4
12 27	3 11.09	+33 17.6	2.196	2.991	13.0	20.5

421783 2014 QA_{23} 11 19.9 54°.94 3°.2/21.9 17

10 18	4 8.49	+30 19.6	1.915	2.738	14.1	20.9
10 28	4 2.43	+30 13.6	1.862	2.761	10.7	20.7
11 7	3 54.24	+29 53.3	1.833	2.784	7.1	20.6
11 17	3 44.88	+29 18.7	1.831	2.808	3.8	20.4
11 27	3 35.50	+28 32.6	1.857	2.831	3.8	20.5
12 7	3 27.25	+27 39.9	1.911	2.855	6.9	20.7
12 17	3 20.96	+26 46.5	1.993	2.879	10.3	21.0
12 27	3 17.19	+25 57.8	2.098	2.903	13.2	21.2

366512 2002 PX_{172} 11 19.9 163°.05 5°.7/15.8 18

10 18	4 4.01	− 1 34.9	2.951	3.774	9.7	22.4
10 28	3 58.50	− 2 19.4	2.893	3.779	7.8	22.2
11 7	3 51.77	− 2 56.0	2.861	3.784	6.3	22.2
11 17	3 44.32	− 3 21.4	2.856	3.788	5.8	22.1
11 27	3 36.79	− 3 32.9	2.881	3.792	6.6	22.2
12 7	3 29.79	− 3 29.3	2.934	3.796	8.2	22.3
12 17	3 23.86	− 3 10.9	3.013	3.799	10.0	22.4
12 27	3 19.40	− 2 38.9	3.114	3.802	11.7	22.6

19854 2000 UV_{5} 11 19.9 58°.35 1°.5/19.2 18

10 18	4 6.41	+16 49.5	1.906	2.758	12.9	19.3
10 28	4 0.87	+16 24.6	1.845	2.767	9.4	19.1
11 7	3 53.37	+15 56.3	1.809	2.777	5.4	18.8
11 17	3 44.70	+15 26.9	1.800	2.786	1.8	18.6
11 27	3 35.90	+14 59.9	1.820	2.796	3.7	18.8
12 7	3 28.00	+14 38.5	1.869	2.806	7.6	19.0
12 17	3 21.81	+14 25.7	1.943	2.816	11.1	19.3
12 27	3 17.92	+14 23.2	2.040	2.826	14.1	19.5

333048 2011 SS_{164} 11 19.9 296°.12 2°.7/20.9 17

10 18	4 10.27	+25 35.8	1.747	2.585	14.6	20.6
10 28	4 4.42	+26 7.5	1.659	2.569	11.1	20.3
11 7	3 55.85	+26 30.4	1.593	2.552	7.1	20.1
11 17	3 45.36	+26 42.3	1.554	2.536	3.3	19.8
11 27	3 34.20	+26 43.0	1.543	2.520	4.0	19.8
12 7	3 23.83	+26 35.0	1.560	2.504	8.1	20.0
12 17	3 15.48	+26 22.6	1.602	2.488	12.3	20.2
12 27	3 10.08	+26 11.3	1.667	2.473	16.0	20.4

166060 2002 CE_{53} 11 19.9 172°.23 3°.1/18.3 18

10 18	4 8.42	+12 56.8	1.941	2.790	12.8	20.2
10 28	4 2.32	+12 15.7	1.873	2.793	9.4	20.0
11 7	3 54.23	+11 33.6	1.830	2.795	5.8	19.8
11 17	3 44.92	+10 54.0	1.815	2.796	3.1	19.6
11 27	3 35.41	+10 20.9	1.829	2.797	4.9	19.8
12 7	3 26.76	+ 9 58.0	1.872	2.798	8.4	20.0
12 17	3 19.82	+ 9 47.5	1.941	2.798	11.9	20.2
12 27	3 15.19	+ 9 50.6	2.032	2.798	14.9	20.4

439400 2013 BZ_{29} 11 19.9 40°.28 7°.6/17.6 18

10 18	4 9.10	+ 1 4.2	1.548	2.398	15.5	20.4
10 28	4 3.07	+ 0 37.3	1.498	2.406	12.2	20.2
11 7	3 54.74	+ 0 23.1	1.470	2.415	9.1	20.1
11 17	3 45.03	+ 0 26.4	1.467	2.424	7.6	20.0
11 27	3 35.20	+ 0 50.3	1.491	2.434	8.8	20.1
12 7	3 26.46	+ 1 34.9	1.541	2.444	11.7	20.3
12 17	3 19.78	+ 2 37.8	1.614	2.454	14.8	20.5
12 27	3 15.76	+ 3 55.2	1.707	2.464	17.6	20.7

227239 2005 SG_{30} 11 19.9 84°.07 1°.6/19.3 18

10 18	4 11.76	+17 10.8	1.504	2.360	15.6	20.8
10 28	4 5.04	+16 45.8	1.457	2.380	11.3	20.6
11 7	3 55.86	+16 16.4	1.432	2.400	6.5	20.4
11 17	3 45.28	+15 45.5	1.433	2.420	2.0	20.1
11 27	3 34.69	+15 17.1	1.463	2.439	4.3	20.3
12 7	3 25.42	+14 55.5	1.520	2.459	8.8	20.7
12 17	3 18.45	+14 43.9	1.602	2.478	12.9	21.0
12 27	3 14.35	+14 44.3	1.705	2.497	16.3	21.2

342318 2008 TQ_{77} 11 19.9 108°.14 2°.1/18.9 18

10 18	4 9.66	+16 15.3	1.718	2.571	14.1	22.1
10 28	4 3.34	+15 36.4	1.662	2.584	10.3	21.9
11 7	3 54.84	+14 53.8	1.630	2.597	6.0	21.7
11 17	3 45.05	+14 10.8	1.624	2.610	2.3	21.5
11 27	3 35.19	+13 31.8	1.648	2.622	4.3	21.7
12 7	3 26.41	+13 1.2	1.700	2.634	8.5	21.9
12 17	3 19.60	+12 42.0	1.777	2.646	12.2	22.2
12 27	3 15.36	+12 35.9	1.877	2.657	15.4	22.4

282382 2003 RU_{22} 11 19.9 14°.53 11°.4/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 4.63	− 3 8.7	1.279	2.140	17.5	19.6
10 28	4 0.16	− 4 35.7	1.239	2.144	14.5	19.4
11 7	3 53.17	− 5 44.3	1.219	2.149	12.1	19.3
11 17	3 44.69	− 6 25.4	1.221	2.155	11.5	19.3
11 27	3 36.07	− 6 32.6	1.246	2.162	12.8	19.4
12 7	3 28.66	− 6 5.3	1.293	2.171	15.3	19.6
12 17	3 23.45	− 5 7.1	1.359	2.180	18.2	19.8
12 27	3 21.08	− 3 44.3	1.443	2.190	20.7	20.0

16480 1990 QN_{7} 11 19.9 142°.45 0°.5/20.2 18

10 18	4 12.26	+22 5.6	1.893	2.729	13.7	18.6
10 28	4 5.21	+21 57.8	1.828	2.741	10.1	18.3
11 7	3 55.94	+21 42.0	1.787	2.751	5.9	18.1
11 17	3 45.32	+21 19.0	1.774	2.761	1.5	17.9
11 27	3 34.54	+20 51.3	1.791	2.770	3.1	18.0
12 7	3 24.78	+20 22.9	1.837	2.779	7.3	18.3
12 17	3 16.98	+19 57.8	1.910	2.787	11.1	18.5
12 27	3 11.78	+19 39.9	2.007	2.794	14.3	18.8

389039 2008 UU_{359} 11 19.9 177°.60 0°.5/19.7 18

10 18	4 9.66	+19 14.5	1.850	2.696	13.5	21.4
10 28	4 3.44	+19 4.4	1.778	2.696	9.9	21.1
11 7	3 54.99	+18 48.9	1.730	2.697	5.8	20.9
11 17	3 45.12	+18 29.2	1.710	2.698	1.3	20.6
11 27	3 34.97	+18 7.9	1.719	2.698	3.3	20.8
12 7	3 25.73	+17 48.6	1.757	2.698	7.7	21.0
12 17	3 18.36	+17 34.7	1.821	2.697	11.6	21.3
12 27	3 13.53	+17 29.2	1.907	2.696	14.9	21.5

388196 2006 DX_{105} 11 19.9 106°.40 3°.3/21.5 18

10 18	4 11.29	+28 23.2	1.711	2.542	15.2	21.2
10 28	4 4.96	+28 40.6	1.642	2.546	11.6	21.0
11 7	3 56.00	+28 44.8	1.595	2.550	7.6	20.8
11 17	3 45.36	+28 34.2	1.575	2.554	3.9	20.6
11 27	3 34.40	+28 10.1	1.582	2.558	4.2	20.6
12 7	3 24.52	+27 36.7	1.618	2.562	7.9	20.8
12 17	3 16.86	+26 59.9	1.679	2.565	11.8	21.1
12 27	3 12.15	+26 26.0	1.763	2.569	15.2	21.3

77303 2001 FG_{78} 11 19.9 192°.17 2°.1/20.9 18

10 18	4 11.58	+25 36.6	2.194	3.017	12.5	20.1
10 28	4 4.73	+26 0.0	2.114	3.016	9.4	19.9
11 7	3 55.72	+26 15.1	2.058	3.014	6.0	19.7
11 17	3 45.30	+26 20.6	2.030	3.012	2.7	19.5
11 27	3 34.52	+26 16.9	2.033	3.009	3.3	19.6
12 7	3 24.50	+26 6.5	2.065	3.006	6.7	19.8
12 17	3 16.18	+25 52.9	2.126	3.003	10.1	20.0
12 27	3 10.27	+25 40.4	2.210	2.999	13.1	20.2

265475 2005 BA_{18} 11 19.9 198°.71 3°.2/22.5 18

10 18	4 6.76	+33 1.9	2.971	3.766	10.3	21.0
10 28	4 0.80	+33 3.3	2.884	3.762	8.1	20.8
11 7	3 53.25	+32 53.5	2.822	3.759	5.7	20.7
11 17	3 44.72	+32 31.6	2.788	3.755	3.6	20.5
11 27	3 35.98	+31 58.7	2.784	3.751	3.5	20.5
12 7	3 27.85	+31 17.4	2.811	3.746	5.5	20.7
12 17	3 21.02	+30 31.4	2.866	3.741	7.9	20.8
12 27	3 16.00	+29 45.1	2.948	3.736	10.2	21.0

301291 2009 BW_{113} 11 19.9 106°.42 0°.2/20.1 18

10 18	4 9.39	+21 14.2	1.807	2.652	13.9	21.2
10 28	4 3.25	+21 5.6	1.742	2.659	10.2	21.0
11 7	3 54.86	+20 49.7	1.700	2.666	6.0	20.8
11 17	3 45.10	+20 27.6	1.686	2.673	1.4	20.5
11 27	3 35.13	+20 1.9	1.700	2.680	3.2	20.6
12 7	3 26.15	+19 36.6	1.743	2.687	7.5	20.9
12 17	3 19.11	+19 15.6	1.813	2.693	11.4	21.1
12 27	3 14.65	+19 2.4	1.905	2.700	14.7	21.4

72245 2001 AS_{25} 11 19.9 45°.72 5°.0/21.7 18

10 18	4 13.62	+29 28.8	1.220	2.066	19.1	18.7
10 28	4 7.47	+30 10.8	1.165	2.076	14.7	18.4
11 7	3 57.78	+30 35.7	1.131	2.086	9.9	18.2
11 17	3 45.82	+30 39.5	1.119	2.096	5.7	18.0
11 27	3 33.50	+30 22.5	1.133	2.107	5.9	18.1
12 7	3 22.80	+29 50.4	1.172	2.118	10.0	18.3
12 17	3 15.17	+29 11.7	1.234	2.130	14.4	18.6
12 27	3 11.42	+28 35.2	1.317	2.142	18.3	18.9

439525 2014 BX_{53} 11 19.9 183°.25 1°.0/19.4 18

10 18	4 9.75	+18 12.4	1.989	2.832	12.8	22.0
10 28	4 3.36	+17 50.1	1.915	2.833	9.4	21.8
11 7	3 54.89	+17 22.8	1.866	2.833	5.5	21.6
11 17	3 45.11	+16 52.4	1.845	2.832	1.5	21.3
11 27	3 35.10	+16 22.1	1.854	2.831	3.4	21.4
12 7	3 25.94	+15 55.4	1.892	2.830	7.5	21.7
12 17	3 18.52	+15 35.9	1.957	2.828	11.2	21.9
12 27	3 13.48	+15 26.1	2.046	2.825	14.3	22.1

477767 2011 AD_{28} 11 19.9 10°.20 5°.8/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 10.76	+32 19.8	1.236	2.078	19.1	20.8
10 28	4 5.51	+32 45.3	1.174	2.079	15.0	20.6
11 7	3 56.72	+32 49.7	1.130	2.080	10.5	20.3
11 17	3 45.59	+32 29.4	1.109	2.082	6.6	20.1
11 27	3 34.01	+31 45.6	1.113	2.085	6.4	20.1
12 7	3 23.95	+30 45.2	1.141	2.088	10.1	20.3
12 17	3 16.90	+29 38.4	1.193	2.092	14.6	20.6
12 27	3 13.70	+28 35.6	1.265	2.096	18.6	20.9

118081 5206 $T\text{-}_{2}$ 11 19.9 60°.62 7°.1/24.6 17

10 18	4 11.30	+41 56.0	2.296	3.058	13.9	19.3
10 28	4 4.76	+42 40.9	2.228	3.068	11.7	19.2
11 7	3 55.81	+43 7.4	2.183	3.079	9.4	19.1
11 17	3 45.34	+43 12.0	2.162	3.089	7.6	19.0
11 27	3 34.58	+42 53.9	2.168	3.100	7.2	19.0
12 7	3 24.79	+42 16.2	2.202	3.111	8.3	19.1
12 17	3 17.03	+41 24.6	2.262	3.122	10.3	19.2
12 27	3 11.98	+40 26.3	2.345	3.133	12.5	19.4

139408 2001 OU_{11} 11 19.9 98°.19 4°.4/17.9 18

10 18	4 8.82	+ 7 34.5	1.995	2.841	12.7	20.0
10 28	4 2.41	+ 7 6.8	1.945	2.859	9.5	19.9
11 7	3 54.18	+ 6 43.8	1.919	2.876	6.3	19.7
11 17	3 44.93	+ 6 28.6	1.921	2.893	4.4	19.6
11 27	3 35.63	+ 6 24.2	1.952	2.910	5.7	19.7
12 7	3 27.24	+ 6 32.1	2.012	2.926	8.7	19.9
12 17	3 20.53	+ 6 52.6	2.097	2.943	11.6	20.2
12 27	3 16.01	+ 7 25.0	2.205	2.958	14.2	20.4

452046 2014 OY_{239} 11 19.9 331°.57 0°.4/19.7 17

10 18	4 7.08	+19 13.0	1.939	2.787	12.9	22.0
10 28	4 1.51	+19 3.4	1.865	2.785	9.5	21.8
11 7	3 53.86	+18 48.8	1.816	2.784	5.5	21.6
11 17	3 44.89	+18 30.3	1.795	2.782	1.3	21.3
11 27	3 35.65	+18 10.5	1.802	2.781	3.2	21.4
12 7	3 27.22	+17 52.7	1.838	2.779	7.3	21.7
12 17	3 20.51	+17 40.1	1.900	2.778	11.1	21.9
12 27	3 16.15	+17 35.4	1.985	2.777	14.3	22.1

219551 2001 RZ_{83} 11 19.9 264°.42 17°.3/ 8.7 17

10 18	4 8.69	− 9 14.2	1.113	1.960	20.4	19.7
10 28	4 3.62	−12 34.2	1.074	1.954	18.3	19.6
11 7	3 55.45	−15 30.0	1.055	1.947	17.3	19.5
11 17	3 45.29	−17 43.4	1.057	1.941	17.8	19.5
11 27	3 34.81	−19 1.9	1.079	1.934	19.6	19.6
12 7	3 25.66	−19 22.5	1.118	1.927	22.1	19.7
12 17	3 19.15	−18 50.4	1.172	1.920	24.6	19.9
12 27	3 16.04	−17 35.4	1.237	1.913	26.8	20.1

259735 2003 YU_{112} 11 19.9 301°.47 4°.9/22.1 18

10 18	4 11.47	+31 15.5	1.398	2.234	17.7	20.4
10 28	4 5.83	+31 34.3	1.323	2.227	13.8	20.1
11 7	3 56.88	+31 34.7	1.268	2.219	9.5	19.9
11 17	3 45.67	+31 13.5	1.237	2.212	5.7	19.6
11 27	3 33.88	+30 31.6	1.232	2.206	5.6	19.6
12 7	3 23.33	+29 34.9	1.253	2.199	9.5	19.8
12 17	3 15.51	+28 32.4	1.298	2.193	14.0	20.1
12 27	3 11.30	+27 33.5	1.364	2.186	18.0	20.3

300400 2007 RV_{258} 11 19.9 117°.43 4°.1/22.1 18

10 18	4 13.05	+31 40.5	2.002	2.811	14.1	20.9
10 28	4 5.91	+32 2.4	1.937	2.826	10.9	20.7
11 7	3 56.42	+32 10.0	1.897	2.840	7.5	20.5
11 17	3 45.50	+32 1.4	1.883	2.854	4.6	20.4
11 27	3 34.39	+31 37.5	1.898	2.867	4.6	20.4
12 7	3 24.35	+31 2.1	1.942	2.880	7.3	20.6
12 17	3 16.37	+30 20.9	2.014	2.893	10.5	20.8
12 27	3 11.09	+29 40.0	2.109	2.905	13.4	21.0

512482 2016 QP_{76} 11 19.9 124°.49 4°.2/22.0 18

10 18	4 13.93	+31 4.7	1.568	2.393	16.6	21.4
10 28	4 7.06	+31 12.5	1.504	2.402	12.8	21.1
11 7	3 57.29	+31 2.8	1.461	2.411	8.6	20.9
11 17	3 45.72	+30 33.7	1.444	2.419	4.9	20.7
11 27	3 33.90	+29 47.2	1.454	2.427	4.9	20.8
12 7	3 23.44	+28 49.4	1.492	2.435	8.5	21.0
12 17	3 15.52	+27 48.5	1.555	2.442	12.5	21.2
12 27	3 10.87	+26 52.2	1.641	2.449	16.0	21.5

224236 2005 SA_{94} 11 19.9 102°.28 0°.7/19.6 18

10 18	4 12.34	+19 44.9	1.633	2.480	15.0	21.3
10 28	4 5.37	+19 17.0	1.581	2.500	10.9	21.1
11 7	3 56.05	+18 42.1	1.553	2.520	6.3	20.8
11 17	3 45.39	+18 2.7	1.552	2.539	1.5	20.6
11 27	3 34.73	+17 22.8	1.580	2.558	3.7	20.8
12 7	3 25.32	+16 47.3	1.636	2.577	8.2	21.1
12 17	3 18.11	+16 20.4	1.718	2.594	12.2	21.4
12 27	3 13.67	+16 4.9	1.823	2.612	15.5	21.6

241005 2006 LE_5 11 19.9 249°.17 3°.2/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 8.04	+12 22.0	1.914	2.765	12.9	20.5
10 28	4 2.26	+11 46.9	1.833	2.753	9.6	20.2
11 7	3 54.35	+11 11.0	1.776	2.741	5.9	20.0
11 17	3 45.05	+10 37.8	1.747	2.728	3.3	19.8
11 27	3 35.39	+10 11.2	1.747	2.715	5.0	19.9
12 7	3 26.47	+ 9 54.8	1.776	2.702	8.8	20.1
12 17	3 19.22	+ 9 50.9	1.830	2.689	12.4	20.3
12 27	3 14.35	+10 0.6	1.906	2.675	15.6	20.5

260513 2005 ET_{71} 11 19.9 201°.67 1°.2/20.5 18

10 18	4 13.80	+23 41.4	1.994	2.822	13.4	21.6
10 28	4 6.52	+23 42.9	1.910	2.817	10.0	21.4
11 7	3 56.86	+23 35.7	1.851	2.811	6.1	21.2
11 17	3 45.64	+23 19.4	1.819	2.805	2.0	20.9
11 27	3 34.01	+22 55.5	1.818	2.797	3.1	20.9
12 7	3 23.25	+22 27.7	1.847	2.789	7.3	21.2
12 17	3 14.38	+22 0.5	1.904	2.779	11.2	21.4
12 27	3 8.14	+21 38.5	1.984	2.769	14.5	21.6

407994 2012 DZ_{76} 11 19.9 161°.53 4°.3/22.7 17

10 18	4 8.62	+34 9.5	2.324	3.123	12.7	21.0
10 28	4 2.56	+34 21.0	2.245	3.124	10.0	20.8
11 7	3 54.45	+34 18.1	2.191	3.126	7.2	20.6
11 17	3 45.06	+33 59.4	2.163	3.127	4.8	20.5
11 27	3 35.41	+33 25.7	2.164	3.128	4.6	20.5
12 7	3 26.59	+32 40.5	2.194	3.129	6.8	20.6
12 17	3 19.47	+31 48.8	2.251	3.130	9.6	20.8
12 27	3 14.70	+30 56.7	2.333	3.131	12.2	21.0

221438 2006 AK_{18} 11 19.9 344°.87 0°.3/19.8 18

10 18	4 4.72	+20 11.0	1.706	2.563	13.9	20.3
10 28	4 0.09	+19 53.3	1.632	2.556	10.2	20.1
11 7	3 53.17	+19 28.5	1.581	2.549	6.0	19.8
11 17	3 44.78	+18 58.4	1.555	2.543	1.4	19.5
11 27	3 36.05	+18 26.5	1.558	2.538	3.4	19.6
12 7	3 28.18	+17 57.1	1.588	2.533	8.0	19.9
12 17	3 22.18	+17 34.2	1.643	2.529	12.1	20.1
12 27	3 18.74	+17 21.3	1.720	2.525	15.6	20.3

357438 2004 BB_{76} 11 19.9 303°.40 3°.5/21.9 18

10 18	4 7.81	+30 42.4	1.724	2.553	15.1	20.2
10 28	4 2.61	+30 31.3	1.636	2.538	11.7	19.9
11 7	3 54.77	+30 2.9	1.570	2.523	7.9	19.6
11 17	3 45.17	+29 16.5	1.530	2.508	4.3	19.4
11 27	3 35.11	+28 14.2	1.517	2.493	4.3	19.4
12 7	3 25.99	+27 2.1	1.533	2.479	8.1	19.6
12 17	3 18.99	+25 47.9	1.573	2.465	12.2	19.8
12 27	3 14.89	+24 39.4	1.637	2.451	15.8	20.0

480313 2015 HV_{174} 11 19.9 189°.33 1°.9/20.9 18

10 18	4 12.23	+26 29.1	1.924	2.751	13.9	22.0
10 28	4 5.39	+26 18.9	1.846	2.751	10.4	21.8
11 7	3 56.19	+25 56.8	1.791	2.749	6.5	21.6
11 17	3 45.48	+25 22.5	1.764	2.747	2.6	21.3
11 27	3 34.48	+24 38.6	1.766	2.745	3.3	21.4
12 7	3 24.43	+23 49.7	1.798	2.741	7.3	21.6
12 17	3 16.37	+23 1.6	1.857	2.737	11.2	21.8
12 27	3 10.97	+22 19.8	1.940	2.732	14.5	22.0

458725 2011 KW_{18} 11 19.9 124°.52 19°.8/13.7 17

10 18	4 14.59	−22 6.1	1.234	2.016	22.6	20.8
10 28	4 7.57	−23 51.1	1.208	2.022	21.0	20.7
11 7	3 57.53	−24 55.8	1.197	2.027	20.0	20.6
11 17	3 45.77	−25 9.4	1.204	2.032	19.9	20.6
11 27	3 33.99	−24 27.0	1.228	2.037	20.6	20.7
12 7	3 23.83	−22 52.4	1.270	2.042	21.9	20.8
12 17	3 16.46	−20 35.3	1.327	2.046	23.5	21.0
12 27	3 12.49	−17 47.6	1.398	2.050	25.1	21.1

453728 2011 BL_{11} 11 19.9 250°.16 5°.6/23.7 18

10 18	4 10.19	+39 38.1	2.743	3.507	11.8	21.5
10 28	4 3.75	+40 5.9	2.644	3.490	9.8	21.4
11 7	3 55.22	+40 19.0	2.568	3.474	7.7	21.2
11 17	3 45.28	+40 14.6	2.518	3.457	6.0	21.1
11 27	3 34.90	+39 51.9	2.497	3.440	5.7	21.0
12 7	3 25.16	+39 13.3	2.505	3.422	7.1	21.1
12 17	3 16.98	+38 22.9	2.541	3.404	9.2	21.2
12 27	3 11.07	+37 26.8	2.602	3.385	11.5	21.3

455453 2003 SZ_{322} 11 19.9 4°.82 4°.3/22.3 16

10 18	4 7.32	+32 2.2	1.911	2.731	14.2	21.1
10 28	4 1.97	+32 19.9	1.838	2.731	11.1	20.9
11 7	3 54.27	+32 22.9	1.787	2.732	7.8	20.7
11 17	3 45.05	+32 9.5	1.762	2.733	4.9	20.5
11 27	3 35.52	+31 40.6	1.764	2.734	4.8	20.5
12 7	3 26.92	+31 0.0	1.795	2.736	7.5	20.7
12 17	3 20.27	+30 13.7	1.851	2.738	10.9	20.9
12 27	3 16.27	+29 27.9	1.931	2.741	13.9	21.1

410659 2008 SJ_{150} 11 19.9 64°.18 0°.1/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 7.35	+20 58.2	2.114	2.956	12.3	21.3
10 28	4 1.34	+20 44.5	2.065	2.981	8.9	21.1
11 7	3 53.58	+20 24.8	2.040	3.006	5.2	21.0
11 17	3 44.84	+20 0.4	2.043	3.031	1.2	20.7
11 27	3 36.10	+19 34.1	2.076	3.056	2.7	20.9
12 7	3 28.27	+19 9.0	2.139	3.081	6.4	21.2
12 17	3 22.10	+18 48.3	2.228	3.105	9.7	21.4
12 27	3 18.06	+18 34.6	2.342	3.130	12.5	21.7

130184 2000 AA_{60} 11 19.9 321°.70 2°.9/21.4 18

10 18	4 5.62	+27 58.2	1.772	2.611	14.4	18.6
10 28	4 1.04	+28 2.4	1.676	2.586	11.0	18.4
11 7	3 53.92	+27 53.7	1.603	2.561	7.2	18.1
11 17	3 45.02	+27 30.9	1.556	2.537	3.6	17.8
11 27	3 35.51	+26 55.4	1.536	2.513	4.0	17.8
12 7	3 26.73	+26 11.4	1.543	2.490	7.9	18.0
12 17	3 19.87	+25 24.8	1.576	2.468	12.1	18.2
12 27	3 15.79	+24 42.1	1.631	2.446	15.8	18.4

192960 2000 CY_{77} 11 19.9 160°.88 1°.0/19.3 18

10 18	4 4.94	+17 39.4	2.418	3.261	10.8	20.7
10 28	3 59.56	+17 14.8	2.345	3.263	7.9	20.5
11 7	3 52.59	+16 46.5	2.298	3.264	4.6	20.3
11 17	3 44.64	+16 16.4	2.279	3.265	1.3	20.0
11 27	3 36.52	+15 47.1	2.290	3.267	3.0	20.2
12 7	3 29.05	+15 21.7	2.331	3.268	6.4	20.4
12 17	3 22.93	+15 2.7	2.400	3.268	9.5	20.6
12 27	3 18.68	+14 52.1	2.492	3.269	12.1	20.8

16841 1997 WY_{49} 11 19.9 10°.38 2°.3/20.9 18

10 18	4 8.73	+25 44.9	1.347	2.201	17.1	17.8
10 28	4 3.57	+25 44.7	1.283	2.202	12.9	17.5
11 7	3 55.42	+25 30.6	1.240	2.204	8.0	17.2
11 17	3 45.34	+25 2.6	1.222	2.206	3.2	17.0
11 27	3 34.92	+24 23.7	1.229	2.209	4.1	17.0
12 7	3 25.77	+23 39.8	1.263	2.212	9.0	17.3
12 17	3 19.16	+22 58.0	1.320	2.216	13.6	17.6
12 27	3 15.86	+22 24.7	1.398	2.221	17.6	17.9

90085 2002 VE_{118} 11 19.9 271°.20 0°.7/20.5 18

10 18	4 11.29	+27 11.4	1.691	2.525	15.1	19.2
10 28	4 5.13	+25 51.9	1.591	2.502	11.4	18.9
11 7	3 56.25	+24 11.0	1.515	2.477	6.9	18.6
11 17	3 45.55	+22 11.0	1.466	2.453	2.0	18.2
11 27	3 34.39	+19 59.0	1.448	2.427	3.6	18.3
12 7	3 24.20	+17 45.6	1.459	2.402	8.8	18.5
12 17	3 16.17	+15 41.9	1.498	2.376	13.6	18.7
12 27	3 11.12	+13 56.8	1.560	2.349	17.6	18.9

452758 2006 BT_{256} 11 19.9 271°.10 5°.9/23.4 18

10 18	4 9.90	+38 5.1	2.326	3.108	13.2	21.4
10 28	4 3.79	+38 37.4	2.237	3.097	10.8	21.2
11 7	3 55.35	+38 53.9	2.170	3.087	8.3	21.0
11 17	3 45.34	+38 51.6	2.129	3.076	6.4	20.9
11 27	3 34.88	+38 29.7	2.116	3.065	6.1	20.8
12 7	3 25.18	+37 50.9	2.131	3.054	7.7	20.9
12 17	3 17.28	+37 0.4	2.173	3.044	10.2	21.1
12 27	3 11.93	+36 5.0	2.239	3.033	12.8	21.2

435519 2008 JQ_{15} 11 19.9 191°.56 2°.5/18.8 18

10 18	4 10.05	+15 28.1	1.708	2.561	14.2	22.4
10 28	4 3.86	+14 48.2	1.638	2.560	10.4	22.2
11 7	3 55.32	+14 4.5	1.592	2.559	6.2	21.9
11 17	3 45.31	+13 20.5	1.572	2.557	2.6	21.7
11 27	3 35.04	+12 40.9	1.582	2.555	4.7	21.8
12 7	3 25.73	+12 10.2	1.619	2.552	8.9	22.1
12 17	3 18.39	+11 51.8	1.682	2.549	12.9	22.3
12 27	3 13.70	+11 47.5	1.767	2.546	16.3	22.5

397986 2009 BA_{89} 11 19.9 340°.70 4°.9/18.1 18

10 18	4 4.48	+10 58.1	1.267	2.145	16.4	20.3
10 28	4 0.48	+10 17.7	1.199	2.132	12.3	20.0
11 7	3 53.68	+ 9 38.4	1.152	2.120	7.9	19.7
11 17	3 44.97	+ 9 5.9	1.129	2.109	4.9	19.5
11 27	3 35.78	+ 8 46.1	1.130	2.099	7.0	19.6
12 7	3 27.62	+ 8 43.5	1.156	2.090	11.6	19.8
12 17	3 21.74	+ 8 59.9	1.203	2.082	16.1	20.1
12 27	3 18.98	+ 9 34.9	1.270	2.076	20.0	20.3

323063 2002 SP_{45} 11 19.9 68°.43 3°.0/21.1 18

10 18	4 17.09	+26 17.5	1.327	2.169	18.1	20.6
10 28	4 9.31	+26 41.8	1.288	2.200	13.5	20.4
11 7	3 58.50	+26 51.9	1.271	2.230	8.4	20.2
11 17	3 46.01	+26 46.3	1.278	2.261	3.8	20.1
11 27	3 33.61	+26 27.1	1.313	2.291	4.4	20.2
12 7	3 22.97	+25 59.9	1.374	2.320	8.8	20.5
12 17	3 15.23	+25 31.5	1.461	2.350	13.1	20.8
12 27	3 10.97	+25 8.1	1.569	2.379	16.6	21.1

326048 2011 AY_7 11 19.9 242°.90 2°.4/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 6.69	+28 42.6	2.340	3.161	11.9	21.0
10 28	4 1.08	+28 33.6	2.256	3.156	9.1	20.8
11 7	3 53.59	+28 13.2	2.197	3.150	5.9	20.6
11 17	3 44.91	+27 41.4	2.166	3.145	2.9	20.4
11 27	3 35.98	+27 0.0	2.164	3.140	3.2	20.4
12 7	3 27.78	+26 12.6	2.191	3.134	6.2	20.6
12 17	3 21.12	+25 24.1	2.247	3.129	9.4	20.8
12 27	3 16.60	+24 39.0	2.327	3.123	12.3	20.9

233303 2006 BG_{46} 11 19.9 115°.87 3°.4/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 9.21	+12 14.6	1.848	2.699	13.3	21.0
10 28	4 2.91	+11 33.7	1.793	2.712	9.8	20.8
11 7	3 54.60	+10 52.8	1.761	2.725	6.0	20.6
11 17	3 45.13	+10 15.8	1.758	2.738	3.4	20.4
11 27	3 35.58	+ 9 46.7	1.783	2.750	5.1	20.6
12 7	3 27.00	+ 9 28.7	1.837	2.762	8.6	20.8
12 17	3 20.23	+ 9 23.6	1.916	2.773	12.0	21.1
12 27	3 15.84	+ 9 32.1	2.018	2.784	14.9	21.3

251241 2006 UP_{329} 11 19.9 313°.13 3°.9/22.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 7.51	+30 48.3	1.731	2.561	15.1	20.5
10 28	4 2.47	+30 52.5	1.643	2.544	11.7	20.2
11 7	3 54.77	+30 40.8	1.577	2.528	8.0	20.0
11 17	3 45.25	+30 11.7	1.536	2.512	4.6	19.7
11 27	3 35.21	+29 26.2	1.522	2.497	4.6	19.7
12 7	3 26.07	+28 29.5	1.536	2.481	8.1	19.9
12 17	3 19.01	+27 28.4	1.575	2.467	12.1	20.1
12 27	3 14.87	+26 30.6	1.637	2.452	15.8	20.3

310089 2010 NF_4 11 19.9 280°.70 7°.1/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 7.44	+ 1 0.7	1.876	2.718	13.5	20.3
10 28	4 1.72	+ 0 20.1	1.812	2.715	10.7	20.1
11 7	3 54.00	− 0 10.6	1.771	2.712	8.2	20.0
11 17	3 45.03	− 0 26.6	1.757	2.708	7.1	19.9
11 27	3 35.83	− 0 23.9	1.770	2.705	8.3	20.0
12 7	3 27.43	− 0 1.2	1.810	2.701	10.9	20.1
12 17	3 20.70	+ 0 40.6	1.873	2.698	13.7	20.3
12 27	3 16.27	+ 1 39.0	1.958	2.695	16.3	20.5

92148 1999 XU_{123} 11 19.9 29°.75 3°.4/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 9.09	+29 26.3	2.115	2.934	13.1	19.3
10 28	4 3.07	+29 53.1	2.040	2.936	10.1	19.1
11 7	3 54.87	+30 8.7	1.988	2.937	6.8	18.9
11 17	3 45.25	+30 11.5	1.964	2.938	3.9	18.8
11 27	3 35.30	+30 1.7	1.968	2.940	4.0	18.8
12 7	3 26.17	+29 42.2	2.001	2.942	6.9	19.0
12 17	3 18.80	+29 17.2	2.061	2.943	10.2	19.2
12 27	3 13.88	+28 51.8	2.146	2.945	13.1	19.4

176948 2002 XM_{12} 11 19.9 355°.52 5°.2/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 8.88	+30 48.5	1.471	2.309	16.8	19.3
10 28	4 3.82	+31 32.0	1.401	2.305	13.2	19.0
11 7	3 55.69	+32 0.3	1.352	2.302	9.2	18.8
11 17	3 45.49	+32 9.7	1.327	2.300	5.8	18.6
11 27	3 34.74	+31 59.6	1.328	2.298	5.8	18.6
12 7	3 25.12	+31 33.9	1.354	2.298	9.2	18.8
12 17	3 17.98	+30 59.3	1.405	2.298	13.2	19.0
12 27	3 14.22	+30 23.7	1.476	2.299	16.8	19.2

439912 2001 FD_{87} 11 19.9 273°.57 5°.4/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 9.44	+ 9 24.4	1.566	2.424	14.9	21.2
10 28	4 3.83	+ 8 25.7	1.480	2.401	11.3	21.0
11 7	3 55.58	+ 7 26.9	1.417	2.378	7.6	20.7
11 17	3 45.47	+ 6 34.1	1.380	2.354	5.4	20.5
11 27	3 34.75	+ 5 53.8	1.371	2.330	7.4	20.6
12 7	3 24.81	+ 5 31.3	1.387	2.305	11.4	20.7
12 17	3 16.87	+ 5 29.4	1.427	2.281	15.6	20.9
12 27	3 11.79	+ 5 48.4	1.487	2.255	19.3	21.1

386077 2007 JA_{17} 11 19.9 238°.52 1°.8/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 9.38	+16 34.2	1.824	2.674	13.5	21.3
10 28	4 3.39	+16 4.3	1.743	2.664	10.0	21.1
11 7	3 55.11	+15 30.0	1.686	2.653	5.9	20.8
11 17	3 45.32	+14 53.8	1.656	2.642	2.1	20.5
11 27	3 35.15	+14 19.5	1.655	2.631	4.1	20.7
12 7	3 25.79	+13 51.5	1.683	2.619	8.4	20.9
12 17	3 18.26	+13 33.2	1.737	2.606	12.4	21.1
12 27	3 13.28	+13 27.2	1.812	2.594	15.8	21.3

72554 2001 ET_3 11 19.9 207°.58 0°.3/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 5.92	+19 33.4	2.552	3.389	10.5	19.8
10 28	4 0.29	+19 19.1	2.471	3.386	7.7	19.6
11 7	3 53.06	+19 0.2	2.416	3.382	4.5	19.4
11 17	3 44.81	+18 37.9	2.390	3.377	1.0	19.1
11 27	3 36.36	+18 14.2	2.394	3.373	2.6	19.2
12 7	3 28.50	+17 52.0	2.429	3.368	6.0	19.4
12 17	3 21.94	+17 33.7	2.492	3.363	9.1	19.6
12 27	3 17.22	+17 21.9	2.579	3.358	11.7	19.8

269308 2008 SW_{145} 11 19.9 7°.05 4°.4/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 3.99	+ 8 33.2	2.086	2.939	11.9	20.4
10 28	3 59.05	+ 7 45.8	2.021	2.939	8.9	20.2
11 7	3 52.37	+ 7 0.9	1.981	2.940	6.0	20.0
11 17	3 44.65	+ 6 22.8	1.969	2.941	4.4	19.9
11 27	3 36.76	+ 5 55.3	1.985	2.942	5.8	20.0
12 7	3 29.59	+ 5 41.2	2.029	2.943	8.6	20.2
12 17	3 23.88	+ 5 41.8	2.099	2.944	11.6	20.4
12 27	3 20.17	+ 5 57.0	2.190	2.946	14.2	20.6

32822 1991 RB_{16} 11 19.9 68°.07 0°.7/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 15.13	+21 39.9	1.163	2.024	18.8	18.1
10 28	4 8.19	+21 44.3	1.121	2.045	13.8	17.9
11 7	3 58.02	+21 38.7	1.099	2.067	8.1	17.6
11 17	3 45.96	+21 23.7	1.101	2.088	2.1	17.4
11 27	3 33.90	+21 2.5	1.129	2.110	4.1	17.6
12 7	3 23.60	+20 40.6	1.183	2.131	9.7	17.9
12 17	3 16.31	+20 23.7	1.260	2.152	14.5	18.3
12 27	3 12.64	+20 16.3	1.358	2.174	18.4	18.6

293415 2007 EZ_{99} 11 19.9 146°.23 0°.4/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.85	+21 56.7	2.259	3.096	11.7	21.5
10 28	4 1.13	+21 47.3	2.185	3.099	8.6	21.3
11 7	3 53.60	+21 31.4	2.137	3.101	5.1	21.1
11 17	3 44.94	+21 9.8	2.117	3.104	1.3	20.9
11 27	3 36.09	+20 44.6	2.127	3.106	2.6	21.0
12 7	3 27.96	+20 18.9	2.166	3.108	6.3	21.2
12 17	3 21.36	+19 56.1	2.233	3.110	9.7	21.4
12 27	3 16.84	+19 39.3	2.324	3.112	12.5	21.6

410121 2007 FO_{33} 11 19.9 208°.72 2°.9/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 4.94	+12 2.5	2.431	3.277	10.7	22.0
10 28	3 59.56	+11 18.5	2.356	3.274	7.9	21.8
11 7	3 52.62	+10 34.1	2.307	3.270	4.9	21.6
11 17	3 44.71	+ 9 52.2	2.287	3.266	2.9	21.5
11 27	3 36.62	+ 9 16.4	2.297	3.261	4.4	21.6
12 7	3 29.14	+ 8 49.7	2.336	3.257	7.3	21.7
12 17	3 22.97	+ 8 34.2	2.402	3.252	10.2	21.9
12 27	3 18.60	+ 8 30.8	2.491	3.246	12.7	22.1

92054 1999 VL_{210} 11 19.9 29°.31 4°.6/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 6.44	+ 6 44.3	1.990	2.840	12.6	18.8
10 28	4 0.88	+ 6 22.5	1.928	2.843	9.5	18.6
11 7	3 53.47	+ 6 6.1	1.890	2.846	6.4	18.4
11 17	3 44.91	+ 5 58.2	1.879	2.850	4.6	18.3
11 27	3 36.18	+ 6 1.6	1.897	2.854	5.9	18.4
12 7	3 28.23	+ 6 18.0	1.942	2.858	8.9	18.6
12 17	3 21.86	+ 6 47.3	2.013	2.862	11.9	18.8
12 27	3 17.65	+ 7 28.7	2.107	2.866	14.6	19.0

272086 2005 EU_{323} 11 19.9 272°.81 3°.4/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 3.49	+10 39.8	2.385	3.234	10.8	21.0
10 28	3 58.54	+ 9 50.6	2.311	3.229	8.0	20.8
11 7	3 52.04	+ 9 1.8	2.263	3.224	5.1	20.6
11 17	3 44.58	+ 8 16.9	2.244	3.219	3.4	20.5
11 27	3 36.94	+ 7 39.6	2.254	3.215	4.8	20.6
12 7	3 29.91	+ 7 12.9	2.293	3.210	7.6	20.8
12 17	3 24.15	+ 6 58.8	2.358	3.205	10.5	21.0
12 27	3 20.20	+ 6 58.0	2.447	3.200	13.0	21.1

81498 2000 GO_{159} 11 19.9 95°.79 3°.8/21.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 14.51	+30 50.4	1.689	2.509	15.8	18.7
10 28	4 7.15	+30 53.4	1.635	2.531	12.1	18.5
11 7	3 57.20	+30 39.9	1.604	2.553	8.1	18.3
11 17	3 45.78	+30 8.9	1.599	2.575	4.5	18.2
11 27	3 34.33	+29 22.8	1.622	2.596	4.5	18.2
12 7	3 24.26	+28 27.6	1.674	2.616	7.9	18.5
12 17	3 16.60	+27 30.6	1.752	2.637	11.5	18.7
12 27	3 11.95	+26 38.4	1.853	2.656	14.7	19.0

323281 2003 SP_{431} 11 19.9 131°.26 1°.2/19.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 12.41	+19 34.9	1.611	2.459	15.1	21.6
10 28	4 5.55	+18 45.9	1.553	2.473	11.0	21.4
11 7	3 56.26	+17 48.9	1.518	2.485	6.4	21.2
11 17	3 45.57	+16 47.3	1.510	2.497	1.7	20.9
11 27	3 34.80	+15 46.6	1.531	2.508	4.0	21.1
12 7	3 25.25	+14 53.0	1.580	2.519	8.6	21.4
12 17	3 17.92	+14 11.2	1.656	2.528	12.8	21.7
12 27	3 13.41	+13 44.3	1.753	2.538	16.1	21.9

499374 2010 AB_{40} 11 19.9 278°.44 12°.6/26.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
10 18	4 17.88	+47 13.8	1.231	2.010	22.8	20.7
10 28	4 11.90	+47 54.8	1.156	2.001	19.8	20.4
11 7	4 1.07	+47 59.6	1.097	1.991	16.6	20.2
11 17	3 46.82	+47 17.3	1.056	1.982	13.8	20.0
11 27	3 31.81	+45 43.9	1.037	1.973	12.6	19.9
12 7	3 18.91	+43 27.3	1.042	1.963	14.0	20.0
12 17	3 10.17	+40 44.9	1.068	1.954	17.1	20.1
12 27	3 6.52	+37 57.5	1.115	1.945	20.7	20.3

391906 2008 UX_{127} 11 19.9 220°.57 1°.3/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 11.84	+15 25.2	1.853	2.698	13.6	21.3
10 28	4 5.17	+15 38.2	1.776	2.694	10.0	21.0
11 7	3 56.16	+15 50.5	1.723	2.690	5.9	20.8
11 17	3 45.59	+16 2.6	1.699	2.685	1.8	20.5
11 27	3 34.61	+16 15.9	1.703	2.680	3.7	20.6
12 7	3 24.46	+16 32.0	1.737	2.675	8.0	20.9
12 17	3 16.17	+16 52.7	1.797	2.670	11.9	21.1
12 27	3 10.47	+17 19.5	1.881	2.664	15.3	21.3

356096 2009 EE_{4} 11 19.9 196°.75 3°.8/21.9 18

10 18	4 12.54	+30 45.2	2.264	3.070	12.8	21.1
10 28	4 5.57	+31 19.4	2.181	3.068	9.9	20.9
11 7	3 56.36	+31 42.3	2.122	3.065	6.9	20.7
11 17	3 45.63	+31 51.5	2.091	3.062	4.3	20.5
11 27	3 34.50	+31 46.6	2.090	3.058	4.3	20.5
12 7	3 24.12	+31 30.0	2.119	3.054	7.0	20.7
12 17	3 15.49	+31 6.0	2.175	3.049	10.0	20.9
12 27	3 9.35	+30 39.8	2.255	3.044	12.9	21.0

386928 2011 LJ_{24} 11 19.9 222°.89 2°.8/18.7 18

10 18	4 9.73	+13 36.6	1.857	2.706	13.3	22.0
10 28	4 3.57	+13 5.1	1.779	2.699	9.8	21.7
11 7	3 55.19	+12 32.0	1.726	2.691	6.0	21.5
11 17	3 45.36	+12 0.4	1.700	2.682	2.9	21.3
11 27	3 35.20	+11 34.0	1.703	2.674	4.8	21.4
12 7	3 25.84	+11 16.6	1.734	2.664	8.7	21.6
12 17	3 18.27	+11 10.8	1.792	2.654	12.5	21.8
12 27	3 13.18	+11 17.9	1.871	2.644	15.7	22.0

226942 2004 TS_{333} 11 20.0 284°.51 0°.7/19.6 18

10 18	4 5.40	+19 15.6	2.181	3.026	11.8	20.7
10 28	4 0.13	+18 47.8	2.105	3.024	8.6	20.5
11 7	3 53.05	+18 14.5	2.054	3.021	5.0	20.3
11 17	3 44.84	+17 37.7	2.032	3.019	1.2	20.0
11 27	3 36.42	+17 0.4	2.039	3.017	3.0	20.2
12 7	3 28.72	+16 26.4	2.075	3.014	6.8	20.4
12 17	3 22.52	+15 59.1	2.138	3.012	10.2	20.6
12 27	3 18.38	+15 40.9	2.224	3.009	13.1	20.8

441296 2007 YV_{38} 11 20.0 354°.86 1°.5/19.4 18

10 18	4 7.87	+16 13.1	1.582	2.442	14.7	20.7
10 28	4 2.52	+16 10.4	1.514	2.439	10.8	20.4
11 7	3 54.69	+16 5.3	1.469	2.437	6.3	20.2
11 17	3 45.26	+15 59.5	1.449	2.436	1.9	19.9
11 27	3 35.47	+15 55.6	1.457	2.435	4.1	20.0
12 7	3 26.64	+15 56.5	1.493	2.435	8.7	20.3
12 17	3 19.85	+16 4.7	1.553	2.435	12.9	20.5
12 27	3 15.83	+16 22.0	1.634	2.435	16.4	20.8

224082 2005 NE_{80} 11 20.0 67°.78 0°.4/19.9 18

10 18	4 13.69	+18 17.7	1.357	2.214	16.9	20.0
10 28	4 6.89	+18 31.5	1.307	2.231	12.3	19.8
11 7	3 57.22	+18 40.8	1.279	2.247	7.2	19.5
11 17	3 45.83	+18 45.9	1.277	2.264	1.7	19.2
11 27	3 34.29	+18 48.6	1.301	2.281	3.9	19.4
12 7	3 24.17	+18 52.1	1.353	2.298	9.1	19.8
12 17	3 16.62	+18 59.6	1.429	2.315	13.5	20.1
12 27	3 12.32	+19 14.0	1.527	2.332	17.2	20.4

189203 2003 SL_{40} 11 20.0 59°.03 1°.9/21.2 18

10 18	4 7.31	+26 42.3	2.053	2.884	13.0	19.5
10 28	4 1.57	+26 35.1	1.993	2.900	9.7	19.3
11 7	3 53.87	+26 17.1	1.958	2.916	6.1	19.2
11 17	3 45.04	+25 48.9	1.949	2.932	2.6	19.0
11 27	3 36.10	+25 12.9	1.970	2.948	3.1	19.0
12 7	3 28.11	+24 33.1	2.020	2.965	6.5	19.3
12 17	3 21.86	+23 54.0	2.097	2.981	9.9	19.5
12 27	3 17.91	+23 20.1	2.197	2.998	12.8	19.7

517072 2013 CS_{70} 11 20.0 212°.23 1°.4/19.2 18

10 18	4 7.22	+17 59.0	1.918	2.767	13.0	21.6
10 28	4 1.64	+17 19.6	1.845	2.766	9.5	21.4
11 7	3 54.00	+16 34.6	1.796	2.764	5.5	21.1
11 17	3 45.09	+15 46.8	1.775	2.762	1.7	20.9
11 27	3 35.95	+15 0.4	1.784	2.760	3.7	21.0
12 7	3 27.65	+14 20.0	1.821	2.758	7.8	21.3
12 17	3 21.08	+13 49.2	1.884	2.755	11.5	21.5
12 27	3 16.84	+13 30.8	1.970	2.753	14.7	21.7

115258 2003 SD_{164} 11 20.0 51°.01 1°.5/20.6 18

10 18	4 11.81	+23 35.5	1.261	2.119	17.8	19.4
10 28	4 5.91	+23 37.1	1.204	2.126	13.3	19.1
11 7	3 56.84	+23 27.0	1.167	2.133	8.0	18.8
11 17	3 45.79	+23 5.1	1.155	2.141	2.6	18.5
11 27	3 34.44	+22 34.6	1.169	2.149	4.0	18.7
12 7	3 24.55	+22 1.4	1.209	2.158	9.4	19.0
12 17	3 17.39	+21 31.9	1.272	2.166	14.2	19.3
12 27	3 13.74	+21 11.6	1.356	2.175	18.2	19.6

475287 2005 WH_{172} 11 20.0 53°.91 1°.3/19.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
10 18	4 10.57	+17 36.7	1.344	2.207	16.6	21.7
10 28	4 4.60	+17 21.9	1.294	2.221	12.1	21.4
11 7	3 55.88	+17 2.4	1.267	2.236	7.0	21.2
11 17	3 45.54	+16 40.5	1.264	2.251	1.9	20.9
11 27	3 35.08	+16 20.0	1.288	2.266	4.3	21.1
12 7	3 25.98	+16 5.3	1.338	2.281	9.3	21.4
12 17	3 19.33	+15 59.8	1.412	2.297	13.7	21.7
12 27	3 15.79	+16 5.6	1.507	2.313	17.4	22.0

385124 2012 XV_{153} 11 20.0 342°.99 5°.0/17.9 18

10 18	4 6.96	+ 9 25.2	1.486	2.351	15.2	20.0
10 28	4 1.89	+ 8 42.9	1.421	2.346	11.4	19.7
11 7	3 54.35	+ 8 3.6	1.379	2.342	7.5	19.5
11 17	3 45.22	+ 7 32.1	1.363	2.339	5.1	19.3
11 27	3 35.76	+ 7 13.7	1.372	2.336	6.8	19.4
12 7	3 27.30	+ 7 11.8	1.408	2.333	10.7	19.7
12 17	3 20.90	+ 7 27.6	1.467	2.331	14.6	19.9
12 27	3 17.27	+ 8 0.2	1.546	2.329	18.0	20.1

52428 1994 PE_{4} 11 20.0 21°.30 0°.5/19.8 18

10 18	4 7.00	+20 47.1	1.096	1.973	18.5	18.5
10 28	4 2.54	+20 19.3	1.047	1.980	13.6	18.3
11 7	3 54.91	+19 41.0	1.017	1.988	7.9	18.0
11 17	3 45.35	+18 55.5	1.010	1.998	1.8	17.6
11 27	3 35.58	+18 8.8	1.028	2.009	4.4	17.9
12 7	3 27.33	+17 28.0	1.070	2.020	10.2	18.2
12 17	3 21.85	+16 59.0	1.135	2.033	15.2	18.6
12 27	3 19.81	+16 45.4	1.218	2.047	19.3	18.9

9779 1994 RA_{11} 11 20.0 119°.43 1°.4/20.7 18

10 18	4 13.69	+24 47.9	1.813	2.644	14.4	18.8
10 28	4 6.37	+24 39.7	1.754	2.663	10.7	18.6
11 7	3 56.73	+24 20.9	1.720	2.681	6.5	18.4
11 17	3 45.74	+23 51.8	1.713	2.698	2.2	18.2
11 27	3 34.68	+23 15.3	1.735	2.715	3.2	18.3
12 7	3 24.78	+22 36.0	1.787	2.731	7.4	18.6
12 17	3 17.02	+21 59.1	1.866	2.746	11.2	18.8
12 27	3 11.98	+21 29.2	1.968	2.760	14.4	19.1

28555 Jenniferchan 11 20.0 301°.01 1°.4/19.4 18

10 18	4 9.37	+18 2.1	1.483	2.343	15.6	18.8
10 28	4 3.78	+17 37.2	1.414	2.339	11.4	18.5
11 7	3 55.51	+17 6.2	1.367	2.335	6.7	18.2
11 17	3 45.51	+16 31.8	1.345	2.332	1.9	17.9
11 27	3 35.13	+15 58.3	1.351	2.329	4.3	18.1
12 7	3 25.82	+15 30.5	1.383	2.325	9.2	18.4
12 17	3 18.73	+15 12.8	1.440	2.322	13.7	18.6
12 27	3 14.62	+15 8.0	1.518	2.319	17.5	18.9

324748 2007 FQ_{25} 11 20.0 223°.11 1°.0/20.6 17

10 18	4 7.26	+23 31.4	2.290	3.123	11.7	21.9
10 28	4 1.52	+23 30.1	2.210	3.120	8.7	21.7
11 7	3 53.91	+23 21.5	2.155	3.117	5.3	21.5
11 17	3 45.11	+23 5.8	2.127	3.113	1.7	21.2
11 27	3 36.03	+22 44.7	2.130	3.110	2.7	21.3
12 7	3 27.64	+22 21.0	2.163	3.106	6.3	21.5
12 17	3 20.77	+21 58.3	2.223	3.102	9.6	21.7
12 27	3 16.00	+21 40.1	2.307	3.098	12.5	21.9

193058 2000 FE_{64} 11 20.0 212°.22 2°.7/21.6 18

10 18	4 8.18	+28 29.7	2.588	3.402	11.1	20.3
10 28	4 2.11	+28 51.0	2.504	3.398	8.5	20.1
11 7	3 54.24	+29 3.4	2.446	3.395	5.6	19.9
11 17	3 45.19	+29 5.7	2.415	3.392	3.1	19.8
11 27	3 35.84	+28 58.4	2.415	3.388	3.3	19.8
12 7	3 27.09	+28 43.4	2.445	3.384	5.9	20.0
12 17	3 19.77	+28 24.2	2.503	3.380	8.8	20.1
12 27	3 14.45	+28 4.5	2.586	3.376	11.4	20.3

169901 2002 RT_{206} 11 20.0 327°.20 1°.6/19.2 18

10 18	4 7.04	+17 44.4	1.768	2.622	13.7	20.1
10 28	4 1.67	+17 7.0	1.698	2.621	10.0	19.9
11 7	3 54.10	+16 24.0	1.651	2.619	5.8	19.6
11 17	3 45.16	+15 38.5	1.631	2.618	1.9	19.4
11 27	3 35.96	+14 54.9	1.640	2.616	4.0	19.5
12 7	3 27.67	+14 17.7	1.677	2.615	8.2	19.8
12 17	3 21.22	+13 50.9	1.739	2.614	12.1	20.0
12 27	3 17.25	+13 37.0	1.823	2.613	15.4	20.2

47830 2000 EF_{111} 11 20.0 62°.43 7°.5/15.5 18

10 18	4 4.16	− 2 23.8	2.221	3.054	12.1	18.8
10 28	3 59.01	− 3 23.9	2.173	3.063	9.8	18.7
11 7	3 52.30	− 4 13.1	2.150	3.073	8.1	18.6
11 17	3 44.71	− 4 46.4	2.154	3.083	7.5	18.6
11 27	3 37.03	− 5 0.3	2.184	3.093	8.5	18.6
12 7	3 30.09	− 4 53.7	2.240	3.103	10.3	18.8
12 17	3 24.52	− 4 27.3	2.321	3.113	12.5	18.9
12 27	3 20.82	− 3 43.7	2.421	3.124	14.4	19.1