126218 2002 AC_{48} 7 17.9 65°.22 0°.7/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 15.66	−16 12.3	1.649	2.488	16.2	19.4
6 20	20 11.82	−16 48.0	1.580	2.496	12.7	19.2
6 30	20 5.48	−17 35.7	1.531	2.505	8.6	19.0
7 10	19 57.30	−18 31.8	1.506	2.514	4.0	18.8
7 20	19 48.19	−19 31.5	1.507	2.523	1.0	18.6
7 30	19 39.31	−20 29.7	1.535	2.532	5.5	18.9
8 9	19 31.79	−21 22.1	1.587	2.541	9.8	19.2
8 19	19 26.44	−22 6.3	1.663	2.550	13.6	19.4

193317 2000 SS_{322} 7 17.9 206°.21 3°.1/16.9 18

6 10	20 23.05	−29 56.8	2.215	3.040	13.1	21.1
6 20	20 17.11	−30 10.9	2.127	3.035	10.3	20.9
6 30	20 8.80	−30 23.0	2.062	3.030	7.1	20.7
7 10	19 58.75	−30 29.1	2.023	3.024	4.1	20.5
7 20	19 47.83	−30 25.9	2.011	3.017	3.4	20.4
7 30	19 37.11	−30 11.4	2.028	3.010	6.0	20.6
8 9	19 27.67	−29 46.0	2.072	3.002	9.3	20.8
8 19	19 20.28	−29 11.6	2.140	2.994	12.3	21.0

324904 2007 VU_{192} 7 17.9 189°.53 0°.5/17.8 17

6 10	20 20.00	−20 14.1	1.856	2.687	15.0	22.2
6 20	20 15.07	−20 41.9	1.773	2.686	11.7	22.0
6 30	20 7.63	−21 17.0	1.712	2.685	7.8	21.8
7 10	19 58.29	−21 55.8	1.675	2.683	3.6	21.5
7 20	19 47.93	−22 34.1	1.665	2.681	1.2	21.3
7 30	19 37.70	−23 7.9	1.683	2.678	5.5	21.6
8 9	19 28.74	−23 34.7	1.728	2.674	9.7	21.9
8 19	19 21.92	−23 53.5	1.795	2.670	13.4	22.1

93265 2000 SV_{171} 7 17.9 218°.15 0°.5/17.7 18

6 10	20 17.18	−18 55.2	2.257	3.079	13.0	19.7
6 20	20 12.55	−19 45.0	2.162	3.071	10.1	19.5
6 30	20 5.82	−20 43.5	2.090	3.062	6.8	19.2
7 10	19 57.45	−21 47.1	2.045	3.053	3.1	19.0
7 20	19 48.15	−22 51.6	2.027	3.043	1.1	18.8
7 30	19 38.82	−23 52.4	2.039	3.032	4.9	19.1
8 9	19 30.39	−24 46.1	2.079	3.021	8.5	19.3
8 19	19 23.66	−25 30.8	2.143	3.009	11.8	19.5

162190 1999 RP_{14} 7 17.9 309°.06 16°.6/16.8 18

6 10	20 43.28	−51 44.1	1.049	1.878	24.1	19.7
6 20	20 37.16	−52 44.7	0.992	1.872	21.5	19.5
6 30	20 24.32	−53 21.0	0.949	1.867	18.9	19.3
7 10	20 6.23	−53 14.2	0.922	1.862	17.0	19.2
7 20	19 46.02	−52 10.7	0.914	1.858	16.7	19.1
7 30	19 27.66	−50 9.0	0.925	1.853	18.1	19.2
8 9	19 14.22	−47 22.4	0.956	1.849	20.8	19.4
8 19	19 6.85	−44 10.3	1.003	1.845	23.8	19.6

266745 2009 SS_{50} 7 17.9 15°.38 4°.8/16.5 17

6 10	20 19.07	−29 46.0	1.377	2.238	17.6	20.6
6 20	20 15.27	−30 23.2	1.312	2.240	13.9	20.3
6 30	20 8.19	−31 0.2	1.266	2.242	9.7	20.1
7 10	19 58.64	−31 30.1	1.242	2.245	5.8	19.9
7 20	19 47.88	−31 46.5	1.243	2.248	5.1	19.9
7 30	19 37.54	−31 45.8	1.267	2.251	8.4	20.1
8 9	19 29.12	−31 28.2	1.314	2.255	12.6	20.3
8 19	19 23.63	−30 56.8	1.382	2.260	16.4	20.6

83422 2001 SV_{43} 7 17.9 205°.92 0°.4/18.2 18 R

6 10	20 14.87	−18 7.8	2.234	3.060	13.0	19.6
6 20	20 10.64	−18 24.7	2.148	3.058	10.1	19.4
6 30	20 4.44	−18 48.6	2.085	3.056	6.8	19.2
7 10	19 56.78	−19 17.1	2.047	3.054	3.2	19.0
7 20	19 48.37	−19 47.6	2.036	3.052	0.8	18.8
7 30	19 40.07	−20 17.2	2.054	3.049	4.5	19.1
8 9	19 32.73	−20 43.7	2.098	3.047	8.1	19.3
8 19	19 27.04	−21 5.8	2.167	3.044	11.3	19.5

354529 2004 RZ_{176} 7 17.9 349°.00 5°.3/20.1 18

6 10	20 12.17	− 7 53.3	1.915	2.725	15.4	19.8
6 20	20 8.77	− 7 15.3	1.831	2.720	12.7	19.6
6 30	20 3.30	− 6 49.7	1.768	2.716	9.6	19.4
7 10	19 56.30	− 6 37.8	1.728	2.713	6.7	19.3
7 20	19 48.50	− 6 39.8	1.713	2.710	5.3	19.2
7 30	19 40.82	− 6 54.5	1.724	2.708	6.7	19.2
8 9	19 34.16	− 7 19.2	1.760	2.706	9.6	19.4
8 19	19 29.26	− 7 50.6	1.818	2.704	12.7	19.6

1185 Nikko 7 17.9 227°.05 2°.8/16.8 18 R

6 10	20 20.40	−24 29.5	1.585	2.431	16.4	15.9
6 20	20 16.04	−25 19.0	1.503	2.425	12.9	15.7
6 30	20 8.67	−26 14.9	1.442	2.418	8.7	15.4
7 10	19 58.92	−27 11.4	1.404	2.410	4.4	15.1
7 20	19 47.83	−28 1.8	1.392	2.403	3.3	15.0
7 30	19 36.81	−28 40.6	1.406	2.394	7.2	15.3
8 9	19 27.29	−29 4.9	1.444	2.386	11.6	15.5
8 19	19 20.38	−29 15.1	1.504	2.377	15.6	15.7

11974 Yasuhidefujita 7 17.9 294°.13 0°.1/18.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 13.62	−19 13.3	2.208	3.039	12.9	18.0
6 20	20 9.87	−19 30.0	2.105	3.019	10.1	17.8
6 30	20 4.08	−19 53.4	2.025	2.998	6.9	17.5
7 10	19 56.70	−20 21.3	1.970	2.978	3.2	17.3
7 20	19 48.40	−20 50.8	1.942	2.957	0.8	17.0
7 30	19 40.06	−21 19.2	1.941	2.937	4.7	17.3
8 9	19 32.61	−21 43.9	1.967	2.917	8.5	17.5
8 19	19 26.80	−22 3.6	2.017	2.897	11.9	17.7

12301 Eötvös 7 17.9 278°.25 2°.5/17.0 18

6 10	20 19.48	−24 49.3	1.650	2.496	15.9	18.9
6 20	20 15.42	−25 20.8	1.550	2.471	12.6	18.7
6 30	20 8.37	−25 57.8	1.470	2.446	8.6	18.4
7 10	19 58.86	−26 35.2	1.414	2.421	4.3	18.1
7 20	19 47.82	−27 7.7	1.384	2.395	2.9	17.9
7 30	19 36.62	−27 30.2	1.379	2.369	7.1	18.1
8 9	19 26.72	−27 40.4	1.399	2.343	11.7	18.3
8 19	19 19.30	−27 38.4	1.440	2.317	15.9	18.5

8237 Constable 7 17.9 318°.87 5°.2/16.2 18

6 10	20 17.56	−28 34.2	1.232	2.103	18.7	17.5
6 20	20 14.71	−29 27.6	1.159	2.092	14.8	17.2
6 30	20 8.25	−30 24.7	1.103	2.082	10.4	17.0
7 10	19 58.87	−31 17.5	1.069	2.073	6.3	16.7
7 20	19 47.84	−31 57.2	1.058	2.063	5.6	16.6
7 30	19 36.96	−32 17.5	1.069	2.055	9.4	16.8
8 9	19 28.04	−32 16.8	1.102	2.046	14.1	17.1
8 19	19 22.37	−31 57.6	1.154	2.039	18.4	17.3

255647 2006 QA_{19} 7 17.9 282°.33 1°.7/18.8 17

6 10	20 15.55	−14 11.5	1.497	2.338	17.5	20.3
6 20	20 12.22	−14 36.8	1.412	2.328	13.9	20.1
6 30	20 6.10	−15 17.5	1.347	2.319	9.7	19.8
7 10	19 57.76	−16 11.4	1.304	2.309	4.9	19.5
7 20	19 48.13	−17 14.1	1.285	2.300	1.8	19.3
7 30	19 38.49	−18 19.9	1.292	2.290	6.2	19.5
8 9	19 30.20	−19 23.0	1.323	2.281	11.0	19.8
8 19	19 24.31	−20 19.4	1.377	2.271	15.4	20.0

278540 2008 EX_{87} 7 17.9 31°.63 6°.3/14.8 18

6 10	20 16.96	−35 17.0	1.902	2.746	14.2	19.7
6 20	20 12.92	−36 26.3	1.842	2.755	11.4	19.5
6 30	20 6.27	−37 31.7	1.804	2.764	8.6	19.4
7 10	19 57.69	−38 26.4	1.790	2.773	6.6	19.3
7 20	19 48.19	−39 4.7	1.801	2.783	6.7	19.3
7 30	19 38.99	−39 23.0	1.837	2.793	8.6	19.4
8 9	19 31.25	−39 21.6	1.898	2.804	11.3	19.6
8 19	19 25.83	−39 2.9	1.979	2.815	13.9	19.8

330616 2008 DN_{85} 7 18.0 62°.91 0°.1/17.9 17

6 10	20 18.14	−19 7.8	1.427	2.276	17.7	21.1
6 20	20 14.03	−19 30.3	1.368	2.291	13.8	20.9
6 30	20 7.08	−20 2.1	1.328	2.305	9.2	20.6
7 10	19 58.06	−20 39.2	1.311	2.320	4.2	20.4
7 20	19 48.11	−21 16.9	1.319	2.335	1.1	20.2
7 30	19 38.58	−21 50.6	1.353	2.350	6.1	20.6
8 9	19 30.74	−22 17.6	1.411	2.365	10.7	20.9
8 19	19 25.45	−22 36.6	1.490	2.381	14.7	21.2

504875 2010 VR_{78} 7 18.0 244°.33 1°.2/17.5 17

6 10	20 19.58	−21 35.4	1.798	2.634	15.2	22.5
6 20	20 15.06	−22 6.8	1.703	2.620	11.9	22.3
6 30	20 7.87	−22 45.5	1.630	2.605	8.0	22.0
7 10	19 58.54	−23 27.6	1.581	2.589	3.7	21.7
7 20	19 47.95	−24 8.2	1.558	2.573	1.7	21.5
7 30	19 37.32	−24 43.0	1.563	2.556	6.0	21.8
8 9	19 27.90	−25 9.1	1.593	2.539	10.4	22.0
8 19	19 20.71	−25 25.6	1.646	2.521	14.4	22.2

137740 1999 XN_{131} 7 18.0 295°.95 4°.8/15.9 18

6 10	20 17.36	−27 36.9	1.439	2.300	17.0	20.2
6 20	20 14.20	−28 43.5	1.354	2.283	13.5	19.9
6 30	20 7.77	−29 56.2	1.289	2.266	9.4	19.7
7 10	19 58.66	−31 7.4	1.247	2.250	5.7	19.4
7 20	19 47.91	−32 8.6	1.229	2.233	5.3	19.3
7 30	19 37.08	−32 52.6	1.235	2.217	8.9	19.5
8 9	19 27.84	−33 16.2	1.264	2.201	13.3	19.7
8 19	19 21.44	−33 20.2	1.313	2.185	17.4	19.9

479283 2013 GO_{39} 7 18.0 160°.31 5°.7/22.1 18

6 10	20 12.74	+ 1 15.4	3.036	3.771	11.9	22.5
6 20	20 8.34	+ 1 30.9	2.950	3.778	10.1	22.4
6 30	20 2.59	+ 1 33.1	2.886	3.784	8.3	22.3
7 10	19 55.87	+ 1 21.3	2.846	3.789	6.6	22.2
7 20	19 48.67	+ 0 55.6	2.832	3.794	5.7	22.1
7 30	19 41.56	+ 0 17.3	2.845	3.799	6.1	22.1
8 9	19 35.11	− 0 31.1	2.886	3.803	7.5	22.2
8 19	19 29.78	− 1 26.4	2.953	3.807	9.3	22.4

331874 2004 BA_{141} 7 18.0 157°.74 0°.2/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 19.41	−18 22.7	1.869	2.697	15.0	22.7
6 20	20 14.50	−18 46.3	1.792	2.703	11.7	22.5
6 30	20 7.19	−19 18.1	1.737	2.709	7.9	22.3
7 10	19 58.10	−19 55.0	1.706	2.714	3.6	22.1
7 20	19 48.11	−20 33.3	1.702	2.718	0.9	21.9
7 30	19 38.31	−21 9.1	1.726	2.722	5.2	22.2
8 9	19 29.78	−21 39.7	1.777	2.725	9.3	22.4
8 19	19 23.33	−22 3.9	1.850	2.728	12.9	22.7

74258 1998 SY_{79} 7 18.0 316°.05 2°.5/17.1 18

6 10	20 17.34	−26 10.5	1.765	2.612	15.0	19.6
6 20	20 13.25	−26 30.8	1.684	2.606	11.7	19.3
6 30	20 6.54	−26 53.1	1.623	2.599	7.9	19.1
7 10	19 57.87	−27 13.2	1.587	2.594	4.1	18.8
7 20	19 48.17	−27 26.9	1.576	2.588	2.8	18.7
7 30	19 38.64	−27 31.3	1.592	2.582	6.3	19.0
8 9	19 30.49	−27 25.4	1.633	2.577	10.3	19.2
8 19	19 24.60	−27 10.1	1.696	2.572	13.9	19.4

507363 2011 WM_{150} 7 18.0 227°.42 1°.0/18.6 18

6 10	20 13.71	−15 36.1	2.395	3.213	12.4	21.3
6 20	20 9.65	−16 2.0	2.304	3.208	9.8	21.1
6 30	20 3.76	−16 36.6	2.235	3.203	6.7	20.9
7 10	19 56.51	−17 17.9	2.192	3.197	3.3	20.7
7 20	19 48.51	−18 3.2	2.177	3.192	1.1	20.5
7 30	19 40.56	−18 49.2	2.190	3.186	4.3	20.7
8 9	19 33.45	−19 33.2	2.231	3.180	7.7	20.9
8 19	19 27.83	−20 13.0	2.296	3.174	10.7	21.1

116869 2004 FJ_{105} 7 18.0 84°.74 0°.8/17.8 17

6 10	20 20.60	−24 26.6	2.075	2.905	13.7	19.4
6 20	20 15.06	−24 9.0	2.001	2.914	10.6	19.2
6 30	20 7.33	−23 51.9	1.949	2.922	7.1	19.0
7 10	19 58.08	−23 33.0	1.923	2.931	3.2	18.8
7 20	19 48.16	−23 10.9	1.925	2.940	1.2	18.6
7 30	19 38.61	−22 44.7	1.954	2.948	4.9	18.9
8 9	19 30.35	−22 15.0	2.011	2.957	8.6	19.2
8 19	19 24.08	−21 42.8	2.092	2.966	11.8	19.4

433187 2012 UA_4 7 18.0 26°.86 1°.2/18.5 17

6 10	20 14.66	−16 23.1	1.628	2.470	16.3	20.7
6 20	20 11.12	−16 37.6	1.556	2.473	12.8	20.5
6 30	20 5.07	−17 2.8	1.504	2.478	8.7	20.2
7 10	19 57.19	−17 36.3	1.475	2.482	4.2	20.0
7 20	19 48.37	−18 14.5	1.472	2.487	1.4	19.8
7 30	19 39.77	−18 53.3	1.494	2.492	5.5	20.1
8 9	19 32.51	−19 29.3	1.542	2.498	9.9	20.4
8 19	19 27.42	−20 0.2	1.611	2.504	13.7	20.6

278756 2008 SP_{117} 7 18.0 348°.73 3°.8/19.4 16

6 10	20 12.94	−12 24.5	1.447	2.289	17.9	20.7
6 20	20 10.10	−12 6.2	1.370	2.284	14.4	20.5
6 30	20 4.59	−12 1.4	1.312	2.280	10.3	20.2
7 10	19 57.04	−12 10.1	1.275	2.276	6.1	20.0
7 20	19 48.40	−12 30.9	1.262	2.273	3.8	19.8
7 30	19 39.91	−13 0.6	1.274	2.270	6.6	20.0
8 9	19 32.81	−13 35.5	1.309	2.268	10.9	20.2
8 19	19 28.04	−14 11.6	1.365	2.267	15.0	20.5

292074 2006 RB_{21} 7 18.0 4°.34 0°.1/18.0 18

6 10	20 15.34	−19 56.1	1.936	2.772	14.3	21.0
6 20	20 11.31	−20 5.5	1.856	2.772	11.1	20.7
6 30	20 5.04	−20 20.9	1.798	2.773	7.5	20.5
7 10	19 57.13	−20 39.9	1.765	2.773	3.4	20.3
7 20	19 48.39	−20 59.4	1.757	2.773	0.8	20.1
7 30	19 39.83	−21 17.0	1.777	2.774	5.0	20.4
8 9	19 32.43	−21 30.5	1.823	2.774	8.9	20.6
8 19	19 26.95	−21 39.3	1.892	2.775	12.4	20.8

999 Zachia 7 18.0 328°.74 8°.4/20.5 18

6 10	20 10.84	− 5 1.1	1.404	2.229	19.2	14.3
6 20	20 8.65	− 3 57.5	1.316	2.210	16.3	14.0
6 30	20 3.78	− 3 10.4	1.246	2.191	13.0	13.7
7 10	19 56.75	− 2 43.9	1.196	2.173	10.0	13.5
7 20	19 48.45	− 2 40.6	1.167	2.156	8.4	13.4
7 30	19 40.10	− 3 0.6	1.161	2.140	9.8	13.4
8 9	19 32.99	− 3 40.1	1.176	2.125	13.0	13.6
8 19	19 28.19	− 4 33.7	1.212	2.111	16.7	13.7

216374 2008 BB_{16} 7 18.0 63°.21 2°.0/19.2 18

6 10	20 13.52	−12 37.4	2.040	2.859	14.3	20.4
6 20	20 9.67	−13 4.3	1.967	2.869	11.3	20.3
6 30	20 3.82	−13 43.2	1.915	2.879	7.8	20.1
7 10	19 56.54	−14 31.9	1.888	2.890	4.2	19.9
7 20	19 48.55	−15 27.2	1.887	2.900	2.0	19.7
7 30	19 40.73	−16 25.2	1.914	2.911	4.8	19.9
8 9	19 33.95	−17 22.0	1.968	2.921	8.3	20.2
8 19	19 28.87	−18 14.6	2.047	2.932	11.5	20.4

290972 2005 XD_{11} 7 18.0 135°.17 0°.2/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 20.22	−18 48.7	1.425	2.270	18.0	20.5
6 20	20 15.86	−19 20.5	1.355	2.276	14.1	20.2
6 30	20 8.49	−20 3.2	1.306	2.282	9.4	20.0
7 10	19 58.82	−20 52.4	1.279	2.288	4.3	19.7
7 20	19 47.98	−21 42.5	1.277	2.293	1.1	19.5
7 30	19 37.41	−22 27.9	1.301	2.298	6.4	19.9
8 9	19 28.52	−23 4.9	1.349	2.302	11.3	20.2
8 19	19 22.30	−23 32.2	1.419	2.306	15.5	20.4

448333 2009 EC_{17} 7 18.0 349°.46 15°.0/17.7 17

6 10	20 38.14	−48 8.4	0.925	1.777	24.9	20.8
6 20	20 33.02	−48 49.9	0.870	1.773	21.6	20.6
6 30	20 21.45	−49 7.5	0.830	1.771	18.3	20.4
7 10	20 4.96	−48 43.4	0.806	1.769	15.7	20.2
7 20	19 46.52	−47 25.5	0.800	1.767	15.1	20.2
7 30	19 29.86	−45 14.2	0.814	1.766	16.8	20.3
8 9	19 17.81	−42 23.9	0.846	1.766	20.1	20.5
8 19	19 11.49	−39 14.0	0.896	1.767	23.7	20.7

361248 2006 SE_{263} 7 18.0 242°.18 1°.2/18.6 18

6 10	20 15.78	−16 47.6	2.512	3.326	12.0	21.8
6 20	20 11.19	−16 44.6	2.410	3.312	9.5	21.6
6 30	20 4.77	−16 47.5	2.332	3.298	6.5	21.4
7 10	19 56.99	−16 55.0	2.280	3.284	3.3	21.2
7 20	19 48.45	−17 5.7	2.255	3.269	1.3	21.0
7 30	19 39.93	−17 17.8	2.259	3.254	4.3	21.2
8 9	19 32.23	−17 29.7	2.291	3.239	7.6	21.4
8 19	19 26.00	−17 40.3	2.348	3.223	10.6	21.6

184497 2005 PC_1 7 18.0 15°.31 2°.7/17.1 18

6 10	20 13.88	−23 44.8	1.140	2.018	19.4	19.5
6 20	20 11.59	−24 23.2	1.083	2.022	15.1	19.2
6 30	20 5.92	−25 8.8	1.044	2.027	10.1	19.0
7 10	19 57.72	−25 55.1	1.025	2.034	4.9	18.7
7 20	19 48.27	−26 35.3	1.029	2.042	3.2	18.6
7 30	19 39.25	−27 3.7	1.055	2.051	7.8	18.9
8 9	19 32.21	−27 18.0	1.104	2.060	12.8	19.2
8 19	19 28.19	−27 18.6	1.171	2.071	17.1	19.5

506982 2008 SA_{184} 7 18.0 221°.81 7°.6/13.8 18

6 10	20 24.15	−41 11.2	2.266	3.081	13.1	21.9
6 20	20 18.54	−42 22.8	2.186	3.073	11.0	21.7
6 30	20 10.14	−43 28.2	2.128	3.064	9.0	21.6
7 10	19 59.56	−44 20.0	2.096	3.054	7.7	21.5
7 20	19 47.80	−44 52.1	2.089	3.044	7.9	21.5
7 30	19 36.14	−45 1.1	2.108	3.033	9.5	21.6
8 9	19 25.89	−44 47.4	2.151	3.022	11.7	21.7
8 19	19 18.03	−44 14.3	2.215	3.010	13.9	21.8

88711 2001 SQ_9 7 18.0 237°.51 0°.4/17.8 18

6 10	20 15.65	−21 1.6	2.330	3.158	12.4	20.1
6 20	20 11.25	−21 16.2	2.239	3.151	9.7	19.9
6 30	20 4.88	−21 35.5	2.170	3.143	6.5	19.7
7 10	19 57.05	−21 56.8	2.127	3.135	2.9	19.4
7 20	19 48.44	−22 17.7	2.112	3.127	0.9	19.2
7 30	19 39.91	−22 35.6	2.125	3.119	4.6	19.5
8 9	19 32.32	−22 49.0	2.165	3.111	8.0	19.7
8 19	19 26.36	−22 57.2	2.229	3.103	11.2	19.9

67979 Michelory 7 18.0 155°.03 2°.5/16.4 18

6 10	20 14.92	−25 28.1	2.345	3.180	12.1	19.2
6 20	20 10.75	−26 24.5	2.265	3.181	9.4	19.0
6 30	20 4.58	−27 24.3	2.209	3.182	6.4	18.8
7 10	19 56.92	−28 23.4	2.178	3.183	3.4	18.6
7 20	19 48.48	−29 17.2	2.176	3.184	2.8	18.6
7 30	19 40.11	−30 2.0	2.201	3.184	5.5	18.8
8 9	19 32.71	−30 35.7	2.253	3.185	8.6	19.0
8 19	19 26.97	−30 57.9	2.329	3.186	11.4	19.2

427994 2006 BA_7 7 18.0 73°.81 2°.2/17.5 17

6 10	20 23.85	−27 50.9	1.714	2.552	15.7	20.6
6 20	20 18.06	−27 37.8	1.646	2.563	12.3	20.4
6 30	20 9.55	−27 22.7	1.600	2.573	8.3	20.1
7 10	19 59.14	−27 2.2	1.578	2.584	4.1	19.9
7 20	19 47.96	−26 33.9	1.582	2.594	2.5	19.8
7 30	19 37.31	−25 57.2	1.613	2.605	6.1	20.1
8 9	19 28.35	−25 13.7	1.671	2.615	10.1	20.4
8 19	19 21.89	−24 25.9	1.751	2.626	13.6	20.6

320685 2008 CR_{211} 7 18.0 50°.05 5°.9/16.4 17

6 10	20 22.67	−32 33.7	1.330	2.188	18.3	20.3
6 20	20 18.12	−33 11.7	1.275	2.199	14.5	20.1
6 30	20 10.07	−33 45.7	1.240	2.211	10.4	19.9
7 10	19 59.51	−34 8.1	1.226	2.224	6.8	19.7
7 20	19 47.88	−34 12.7	1.236	2.236	6.2	19.7
7 30	19 36.90	−33 56.9	1.270	2.249	9.1	19.9
8 9	19 28.13	−33 22.6	1.327	2.262	12.9	20.1
8 19	19 22.52	−32 34.5	1.404	2.276	16.5	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
390998 2005 SA_{97}			7 18.0 336.°76		6.°2/15.2 18	
	h m	° ′			°	m
6 10	20 17.34	−35 17.7	1.875	2.719	14.3	20.4
6 20	20 13.41	−36 12.1	1.799	2.712	11.6	20.3
6 30	20 6.75	−37 2.9	1.745	2.706	8.7	20.1
7 10	19 58.02	−37 43.6	1.714	2.700	6.6	19.9
7 20	19 48.21	−38 8.3	1.709	2.695	6.5	19.9
7 30	19 38.61	−38 13.7	1.728	2.690	8.7	20.0
8 9	19 30.45	−37 59.8	1.772	2.685	11.6	20.2
8 19	19 24.67	−37 29.1	1.837	2.681	14.4	20.4
220738 2004 TH_{19}			7 18.0 265.°14		6.°3/22.7 18	
6 10	20 12.03	+ 2 41.0	2.686	3.423	13.2	20.8
6 20	20 8.18	+ 2 35.6	2.579	3.406	11.4	20.6
6 30	20 2.73	+ 2 13.0	2.491	3.390	9.4	20.5
7 10	19 56.07	+ 1 32.2	2.427	3.373	7.5	20.3
7 20	19 48.70	+ 0 33.4	2.389	3.356	6.3	20.2
7 30	19 41.29	− 0 41.2	2.378	3.338	6.7	20.2
8 9	19 34.52	− 2 7.8	2.395	3.321	8.4	20.3
8 19	19 28.98	− 3 41.7	2.438	3.303	10.6	20.4
179747 2002 RK_{170}			7 18.0 313.°47		0.°9/18.4 18	
6 10	20 15.11	−18 31.0	1.733	2.574	15.5	19.7
6 20	20 11.51	−18 25.6	1.644	2.562	12.2	19.5
6 30	20 5.42	−18 27.2	1.575	2.549	8.3	19.2
7 10	19 57.43	−18 34.1	1.530	2.538	4.0	18.9
7 20	19 48.38	−18 44.1	1.511	2.526	1.2	18.7
7 30	19 39.40	−18 54.5	1.517	2.515	5.5	19.0
8 9	19 31.64	−19 3.5	1.549	2.504	9.9	19.2
8 19	19 25.99	−19 9.8	1.603	2.494	13.8	19.4
8148 Golding			7 18.0 182.°79		0.°1/18.1 18	
6 10	20 20.00	−19 28.3	1.551	2.392	17.0	17.7
6 20	20 15.52	−19 40.1	1.474	2.393	13.3	17.5
6 30	20 8.19	−20 0.1	1.418	2.393	9.0	17.3
7 10	19 58.70	−20 25.0	1.385	2.393	4.1	17.0
7 20	19 48.08	−20 51.0	1.377	2.392	1.0	16.7
7 30	19 37.67	−21 14.2	1.395	2.392	6.0	17.1
8 9	19 28.79	−21 32.0	1.438	2.391	10.7	17.4
8 19	19 22.40	−21 43.7	1.503	2.389	14.8	17.6
94313 2001 FE_{41}			7 18.0 221.°53		8.°1/12.6 18	
6 10	20 27.42	−51 7.9	3.092	3.860	11.0	19.6
6 20	20 20.59	−52 2.8	3.015	3.851	9.7	19.5
6 30	20 11.21	−52 46.9	2.960	3.840	8.7	19.4
7 10	19 59.96	−53 14.6	2.930	3.830	8.1	19.3
7 20	19 47.78	−53 21.8	2.924	3.819	8.3	19.3
7 30	19 35.84	−53 6.6	2.944	3.807	9.2	19.4
8 9	19 25.29	−52 30.4	2.987	3.795	10.4	19.4
8 19	19 16.97	−51 36.5	3.052	3.783	11.8	19.5
420346 2012 BM_{54}			7 18.0 124.°12		0.°3/17.9 17	
6 10	20 20.88	−19 24.6	1.720	2.552	15.9	22.2
6 20	20 15.78	−19 53.8	1.653	2.566	12.4	22.0
6 30	20 8.11	−20 31.0	1.606	2.580	8.3	21.8
7 10	19 58.57	−21 12.3	1.585	2.593	3.7	21.5
7 20	19 48.14	−21 53.2	1.590	2.605	1.0	21.3
7 30	19 38.03	−22 29.5	1.622	2.617	5.6	21.7
8 9	19 29.37	−22 58.8	1.680	2.629	9.8	22.0
8 19	19 23.00	−23 20.1	1.761	2.639	13.4	22.2
445417 2010 TY_{142}			7 18.0 346.°27		7.°3/20.5 15	
6 10	20 11.73	− 4 40.3	1.764	2.569	16.7	20.9
6 20	20 8.66	− 3 38.8	1.681	2.560	14.1	20.7
6 30	20 3.39	− 2 51.6	1.617	2.553	11.2	20.5
7 10	19 56.46	− 2 21.5	1.575	2.547	8.6	20.3
7 20	19 48.64	− 2 10.2	1.557	2.541	7.3	20.2
7 30	19 40.92	− 2 17.4	1.563	2.536	8.4	20.3
8 9	19 34.27	− 2 40.5	1.593	2.532	11.0	20.4
8 19	19 29.49	− 3 15.4	1.645	2.528	13.9	20.6
202930 Ivezic			7 18.0 311.°64		2.°4/17.2 18	
6 10	20 16.78	−25 52.0	1.702	2.551	15.3	20.7
6 20	20 13.02	−26 11.7	1.615	2.539	12.0	20.5
6 30	20 6.55	−26 34.0	1.549	2.526	8.2	20.2
7 10	19 57.99	−26 54.5	1.507	2.514	4.1	20.0
7 20	19 48.28	−27 9.1	1.490	2.502	2.8	19.9
7 30	19 38.68	−27 14.3	1.499	2.491	6.5	20.1
8 9	19 30.45	−27 9.1	1.533	2.480	10.7	20.3
8 19	19 24.54	−26 54.2	1.589	2.469	14.5	20.5
288776 2004 RZ_{99}			7 18.0 300.°39		7.°9/22.2 18	
6 10	20 11.16	+ 2 9.4	2.212	2.968	15.2	20.7
6 20	20 7.91	+ 2 40.0	2.108	2.947	13.2	20.5
6 30	20 2.78	+ 2 53.2	2.023	2.925	11.1	20.3
7 10	19 56.19	+ 2 46.3	1.959	2.904	9.1	20.2
7 20	19 48.73	+ 2 18.3	1.920	2.882	7.9	20.1
7 30	19 41.19	+ 1 30.0	1.905	2.861	8.4	20.1
8 9	19 34.41	+ 0 24.8	1.916	2.840	10.3	20.1
8 19	19 29.11	− 0 52.5	1.949	2.819	12.7	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
314026 2004 XH_{40}			7 18.0 301.°13		2.°3/18.5 17	
	h m	° ′			°	m
6 10	20 18.00	−18 3.8	1.283	2.138	19.0	20.2
6 20	20 14.80	−17 29.1	1.191	2.116	15.2	19.8
6 30	20 8.26	−17 0.9	1.118	2.094	10.6	19.5
7 10	19 58.98	−16 38.5	1.065	2.072	5.5	19.2
7 20	19 48.01	−16 21.0	1.036	2.050	2.4	18.9
7 30	19 36.94	−16 7.1	1.030	2.029	7.3	19.1
8 9	19 27.44	−15 55.6	1.047	2.008	12.8	19.4
8 19	19 20.83	−15 45.8	1.084	1.987	17.9	19.6
133646 2003 UV_{151}			7 18.0 306.°01		0.°2/18.1 18	
6 10	20 14.82	−18 43.9	1.764	2.605	15.2	19.8
6 20	20 11.27	−19 3.3	1.677	2.596	12.0	19.5
6 30	20 5.27	−19 31.4	1.611	2.587	8.1	19.3
7 10	19 57.38	−20 5.5	1.570	2.578	3.7	19.0
7 20	19 48.44	−20 41.8	1.553	2.569	0.9	18.7
7 30	19 39.57	−21 16.5	1.563	2.561	5.5	19.1
8 9	19 31.89	−21 46.5	1.599	2.552	9.8	19.3
8 19	19 26.28	−22 10.2	1.657	2.544	13.6	19.5
374872 2006 VO_{116}			7 18.0 340.°85		1.°8/16.9 18	
6 10	20 11.70	−25 52.5	2.689	3.524	10.8	20.8
6 20	20 7.99	−26 17.3	2.603	3.518	8.4	20.6
6 30	20 2.62	−26 43.6	2.539	3.513	5.6	20.4
7 10	19 56.02	−27 8.8	2.502	3.508	2.9	20.2
7 20	19 48.80	−27 30.1	2.492	3.503	2.1	20.1
7 30	19 41.68	−27 45.4	2.511	3.498	4.5	20.3
8 9	19 35.36	−27 53.6	2.556	3.494	7.4	20.5
8 19	19 30.44	−27 54.5	2.626	3.490	10.0	20.7
387396 2013 GX_{42}			7 18.0 204.°01		6.°8/13.8 18	
6 10	20 19.85	−41 20.6	2.534	3.351	11.9	21.2
6 20	20 14.80	−42 24.6	2.462	3.349	9.9	21.0
6 30	20 7.42	−43 22.1	2.413	3.348	8.1	20.9
7 10	19 58.28	−44 7.2	2.389	3.346	6.9	20.8
7 20	19 48.24	−44 35.3	2.390	3.344	7.1	20.8
7 30	19 38.37	−44 43.8	2.418	3.342	8.5	20.9
8 9	19 29.71	−44 32.9	2.470	3.340	10.4	21.0
8 19	19 23.07	−44 5.3	2.544	3.338	12.4	21.2
127047 2002 GV_{42}			7 18.0 104.°01		6.°3/21.1 18	
6 10	20 15.72	− 3 41.9	1.900	2.687	16.3	20.0
6 20	20 11.44	− 3 14.3	1.828	2.698	13.6	19.8
6 30	20 5.06	− 3 3.2	1.776	2.708	10.6	19.7
7 10	19 57.17	− 3 9.9	1.746	2.718	7.8	19.5
7 20	19 48.53	− 3 34.0	1.741	2.728	6.3	19.5
7 30	19 40.11	− 4 13.2	1.762	2.738	7.3	19.5
8 9	19 32.80	− 5 3.4	1.809	2.748	9.8	19.7
8 19	19 27.33	− 6 0.1	1.879	2.757	12.7	19.9
118973 2000 WD_{173}			7 18.0 137.°38		1.°6/16.9 18	
6 10	20 14.91	−23 17.4	2.672	3.498	11.1	19.6
6 20	20 10.43	−24 9.7	2.594	3.505	8.6	19.5
6 30	20 4.22	−25 5.9	2.541	3.513	5.7	19.3
7 10	19 56.75	−26 2.5	2.514	3.520	2.8	19.1
7 20	19 48.63	−26 55.8	2.516	3.527	1.9	19.1
7 30	19 40.61	−27 42.6	2.547	3.534	4.5	19.3
8 9	19 33.43	−28 20.9	2.605	3.540	7.4	19.5
8 19	19 27.68	−28 49.9	2.689	3.546	10.0	19.6
66636 1999 RA_{213}			7 18.0 196.°95		5.°2/20.4 18	
6 10	20 15.97	− 5 43.5	2.271	3.053	14.1	19.6
6 20	20 11.41	− 5 13.6	2.181	3.051	11.7	19.4
6 30	20 4.96	− 4 56.0	2.113	3.048	9.0	19.3
7 10	19 57.12	− 4 51.6	2.069	3.045	6.5	19.1
7 20	19 48.54	− 5 0.6	2.051	3.041	5.2	19.0
7 30	19 40.04	− 5 21.6	2.060	3.037	6.3	19.1
8 9	19 32.44	− 5 52.1	2.096	3.033	8.8	19.2
8 19	19 26.39	− 6 29.1	2.157	3.028	11.6	19.4
389206 2009 DA_{14}			7 18.0 78.°20		1.°8/17.3 18	
6 10	20 17.60	−25 3.2	2.019	2.857	13.7	21.1
6 20	20 12.99	−25 19.1	1.946	2.863	10.7	20.9
6 30	20 6.13	−25 37.0	1.894	2.869	7.1	20.7
7 10	19 57.66	−25 53.4	1.868	2.875	3.5	20.5
7 20	19 48.43	−26 5.2	1.868	2.881	2.1	20.4
7 30	19 39.45	−26 10.0	1.896	2.887	5.4	20.6
8 9	19 31.72	−26 7.0	1.950	2.893	9.0	20.9
8 19	19 25.95	−25 56.8	2.027	2.899	12.2	21.1
92029 1999 VV_{177}			7 18.0 237.°88		1.°1/17.4 18	
6 10	20 14.43	−22 21.7	2.582	3.409	11.4	19.7
6 20	20 10.19	−22 53.3	2.489	3.401	8.9	19.5
6 30	20 4.15	−23 29.1	2.419	3.392	5.9	19.3
7 10	19 56.76	−24 6.4	2.376	3.383	2.7	19.1
7 20	19 48.65	−24 42.1	2.360	3.374	1.4	19.0
7 30	19 40.57	−25 13.3	2.374	3.365	4.4	19.2
8 9	19 33.30	−25 38.2	2.415	3.356	7.6	19.4
8 19	19 27.50	−25 56.0	2.480	3.346	10.4	19.6

387427 2013 VV_{20} 7 18.0 170°.98 8°.6/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 26.68	−41 11.5	2.239	3.051	13.4	21.4
6 20	20 20.89	−43 25.9	2.174	3.055	11.3	21.3
6 30	20 12.03	−45 35.5	2.132	3.058	9.5	21.2
7 10	20 0.63	−47 30.6	2.118	3.060	8.6	21.1
7 20	19 47.65	−49 2.5	2.130	3.062	9.1	21.2
7 30	19 34.51	−50 5.9	2.169	3.064	10.7	21.3
8 9	19 22.69	−50 40.5	2.231	3.064	12.7	21.4
8 19	19 13.42	−50 49.7	2.314	3.064	14.7	21.6

482137 2010 RT_{174} 7 18.0 272°.76 6°.3/21.6 18

6 10	20 12.04	− 1 21.4	2.345	3.114	14.1	21.6
6 20	20 8.36	− 0 57.2	2.254	3.107	12.0	21.5
6 30	20 2.93	− 0 47.8	2.183	3.101	9.6	21.3
7 10	19 56.21	− 0 54.8	2.135	3.095	7.5	21.1
7 20	19 48.79	− 1 18.3	2.112	3.089	6.3	21.1
7 30	19 41.41	− 1 56.9	2.115	3.082	6.9	21.1
8 9	19 34.83	− 2 47.4	2.145	3.076	8.9	21.2
8 19	19 29.67	− 3 45.8	2.198	3.070	11.4	21.3

440309 2004 SC_{3} 7 18.0 333°.23 5°.5/20.8 18

6 10	20 9.88	− 5 47.2	1.802	2.613	16.2	20.6
6 20	20 7.31	− 5 37.0	1.710	2.599	13.4	20.4
6 30	20 2.57	− 5 43.8	1.638	2.585	10.3	20.2
7 10	19 56.16	− 6 8.6	1.587	2.571	7.2	20.0
7 20	19 48.79	− 6 50.8	1.561	2.559	5.5	19.9
7 30	19 41.43	− 7 47.4	1.560	2.547	6.8	19.9
8 9	19 35.05	− 8 53.9	1.584	2.536	10.0	20.1
8 19	19 30.47	−10 4.9	1.630	2.525	13.4	20.2

105389 2000 QT_{138} 7 18.0 320°.49 5°.0/20.6 18

6 10	20 11.78	− 6 23.4	1.965	2.768	15.3	19.1
6 20	20 8.55	− 6 13.1	1.875	2.759	12.6	18.9
6 30	20 3.27	− 6 18.0	1.805	2.750	9.6	18.7
7 10	19 56.43	− 6 38.6	1.757	2.742	6.6	18.5
7 20	19 48.74	− 7 14.2	1.735	2.733	5.0	18.4
7 30	19 41.07	− 8 2.2	1.739	2.725	6.4	18.5
8 9	19 34.36	− 8 58.5	1.769	2.718	9.3	18.6
8 19	19 29.34	− 9 58.9	1.822	2.710	12.5	18.8

186334 2002 EV_{31} 7 18.0 113°.64 0°.8/17.6 18

6 10	20 15.50	−22 2.2	2.425	3.252	12.0	21.5
6 20	20 10.96	−22 24.3	2.350	3.261	9.3	21.3
6 30	20 4.59	−22 50.2	2.298	3.270	6.2	21.2
7 10	19 56.93	−23 17.1	2.272	3.279	2.8	21.0
7 20	19 48.64	−23 42.2	2.273	3.288	1.2	20.8
7 30	19 40.54	−24 3.1	2.304	3.297	4.4	21.1
8 9	19 33.40	−24 18.5	2.361	3.305	7.6	21.3
8 19	19 27.84	−24 27.8	2.444	3.314	10.4	21.5

439779 2015 GB_{26} 7 18.0 84°.80 7°.2/14.3 15

6 10	20 24.35	−36 48.5	1.897	2.728	14.7	21.4
6 20	20 18.69	−38 24.7	1.852	2.754	11.9	21.3
6 30	20 10.16	−39 55.0	1.830	2.780	9.2	21.1
7 10	19 59.55	−41 11.1	1.833	2.806	7.4	21.1
7 20	19 48.01	−42 6.1	1.862	2.832	7.6	21.2
7 30	19 36.89	−42 36.7	1.916	2.857	9.4	21.3
8 9	19 27.50	−42 43.8	1.995	2.881	11.8	21.5
8 19	19 20.70	−42 31.1	2.095	2.905	14.1	21.7

39818 1997 YR_{4} 7 18.0 267°.52 0°.3/17.9 18

6 10	20 18.03	−19 13.3	1.533	2.379	16.9	19.0
6 20	20 14.32	−19 42.5	1.443	2.364	13.4	18.7
6 30	20 7.67	−20 22.5	1.372	2.348	9.1	18.4
7 10	19 58.64	−21 9.7	1.324	2.333	4.2	18.1
7 20	19 48.18	−21 59.1	1.301	2.317	1.2	17.9
7 30	19 37.65	−22 45.0	1.304	2.301	6.4	18.2
8 9	19 28.47	−23 23.5	1.332	2.285	11.4	18.4
8 19	19 21.78	−23 52.6	1.381	2.268	15.8	18.6

385037 2012 TE_{309} 7 18.0 272°.35 7°.2/21.9 18

6 10	20 13.66	− 0 7.5	2.047	2.815	15.9	21.1
6 20	20 10.02	+ 0 8.5	1.944	2.797	13.6	20.9
6 30	20 4.31	+ 0 6.0	1.860	2.778	11.0	20.7
7 10	19 56.96	− 0 17.3	1.799	2.759	8.6	20.5
7 20	19 48.63	− 1 1.6	1.762	2.740	7.2	20.3
7 30	19 40.20	− 2 5.0	1.751	2.720	7.9	20.3
8 9	19 32.61	− 3 23.1	1.765	2.700	10.3	20.4
8 19	19 26.67	− 4 50.2	1.803	2.681	13.2	20.6

140858 2001 UU_{222} 7 18.0 251°.41 0°.6/18.4 18

6 10	20 14.75	−17 51.3	2.197	3.024	13.1	21.0
6 20	20 10.65	−18 2.8	2.110	3.019	10.3	20.8
6 30	20 4.56	−18 21.1	2.044	3.015	7.0	20.6
7 10	19 56.99	−18 44.4	2.004	3.011	3.3	20.3
7 20	19 48.64	−19 10.2	1.991	3.006	0.9	20.1
7 30	19 40.39	−19 35.8	2.005	3.002	4.6	20.4
8 9	19 33.09	−19 59.0	2.047	2.997	8.2	20.6
8 19	19 27.46	−20 18.4	2.112	2.992	11.4	20.8

141472 2002 CQ_{207} 7 18.0 245°.48 0°.6/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 15.54	−21 33.8	2.634	3.456	11.3	21.6
6 20	20 11.04	−21 54.5	2.532	3.441	8.8	21.4
6 30	20 4.73	−22 19.4	2.454	3.426	5.9	21.2
7 10	19 57.06	−22 46.1	2.402	3.410	2.7	21.0
7 20	19 48.63	−23 11.9	2.379	3.394	1.0	20.8
7 30	19 40.19	−23 34.5	2.384	3.377	4.3	21.0
8 9	19 32.53	−23 52.1	2.417	3.360	7.5	21.2
8 19	19 26.30	−24 4.1	2.475	3.342	10.4	21.4

451649 2012 PW_{18} 7 18.0 185°.51 12°.5/25.8 17

6 10	20 18.57	+ 9 53.5	1.329	2.075	23.9	21.1
6 20	20 14.81	+10 2.7	1.252	2.076	21.3	20.9
6 30	20 8.01	+ 9 34.3	1.189	2.076	18.2	20.7
7 10	19 58.79	+ 8 22.5	1.143	2.075	15.1	20.5
7 20	19 48.18	+ 6 25.8	1.118	2.074	12.9	20.4
7 30	19 37.61	+ 3 49.9	1.115	2.072	12.8	20.4
8 9	19 28.55	+ 0 47.2	1.136	2.070	14.8	20.5
8 19	19 22.12	− 2 26.5	1.180	2.068	17.9	20.7

446635 2015 MZ_{117} 7 18.0 218°.98 0°.7/17.8 18

6 10	20 16.91	−22 51.4	2.345	3.172	12.4	20.9
6 20	20 12.19	−22 54.4	2.258	3.169	9.6	20.7
6 30	20 5.51	−23 0.0	2.193	3.166	6.4	20.5
7 10	19 57.39	−23 5.7	2.155	3.163	2.9	20.3
7 20	19 48.56	−23 9.4	2.144	3.159	1.1	20.1
7 30	19 39.88	−23 9.5	2.162	3.156	4.5	20.4
8 9	19 32.20	−23 4.9	2.206	3.152	8.0	20.6
8 19	19 26.18	−22 55.9	2.276	3.148	11.0	20.8

326894 2003 WV_{25} 7 18.0 146°.41 7°.4/20.1 18

6 10	20 23.38	− 4 11.3	1.960	2.730	16.4	20.7
6 20	20 17.28	− 2 50.4	1.884	2.741	13.8	20.6
6 30	20 8.93	− 1 41.9	1.829	2.751	11.0	20.4
7 10	19 58.95	− 0 49.1	1.798	2.760	8.5	20.3
7 20	19 48.20	− 0 14.1	1.793	2.768	7.4	20.2
7 30	19 37.69	+ 0 2.6	1.816	2.776	8.5	20.3
8 9	19 28.41	+ 0 2.7	1.864	2.783	10.8	20.5
8 19	19 21.11	− 0 10.5	1.936	2.789	13.5	20.6

214174 2005 CG_{63} 7 18.1 89°.50 1°.6/17.4 17

6 10	20 19.68	−21 41.5	1.455	2.304	17.4	20.8
6 20	20 15.41	−22 22.6	1.391	2.315	13.6	20.6
6 30	20 8.18	−23 11.7	1.348	2.325	9.0	20.4
7 10	19 58.75	−24 3.2	1.327	2.336	4.2	20.1
7 20	19 48.25	−24 51.3	1.332	2.346	2.1	20.0
7 30	19 38.09	−25 30.6	1.362	2.356	6.6	20.3
8 9	19 29.63	−25 58.6	1.416	2.366	11.1	20.6
8 19	19 23.80	−26 14.8	1.493	2.376	15.1	20.9

371407 2006 RP_{95} 7 18.1 209°.54 0°.8/18.4 17

6 10	20 19.52	−17 45.4	1.939	2.764	14.7	22.2
6 20	20 14.67	−17 54.7	1.850	2.758	11.6	21.9
6 30	20 7.43	−18 11.8	1.782	2.752	7.9	21.7
7 10	19 58.38	−18 34.5	1.739	2.746	3.8	21.4
7 20	19 48.34	−18 59.8	1.723	2.738	1.1	21.2
7 30	19 38.37	−19 24.8	1.735	2.731	5.2	21.5
8 9	19 29.55	−19 47.0	1.773	2.722	9.3	21.7
8 19	19 22.73	−20 5.1	1.835	2.713	12.9	21.9

309100 2006 WS_{11} 7 18.1 22°.63 1°.3/18.5 18

6 10	20 16.40	−18 18.7	1.967	2.798	14.3	19.8
6 20	20 12.04	−17 58.8	1.889	2.800	11.2	19.6
6 30	20 5.52	−17 44.3	1.832	2.803	7.6	19.4
7 10	19 57.43	−17 33.9	1.800	2.806	3.8	19.2
7 20	19 48.60	−17 26.5	1.794	2.809	1.4	19.0
7 30	19 40.00	−17 20.6	1.816	2.812	4.9	19.3
8 9	19 32.56	−17 15.2	1.864	2.816	8.7	19.5
8 19	19 27.01	−17 9.6	1.935	2.820	12.1	19.7

151034 2001 UX_{173} 7 18.1 64°.12 2°.3/17.1 18

6 10	20 18.15	−24 5.5	1.614	2.463	16.1	20.2
6 20	20 14.07	−24 43.7	1.544	2.467	12.5	19.9
6 30	20 7.23	−25 27.0	1.494	2.471	8.4	19.7
7 10	19 58.32	−26 10.2	1.468	2.475	4.1	19.5
7 20	19 48.38	−26 48.1	1.467	2.480	2.7	19.4
7 30	19 38.69	−27 16.3	1.493	2.484	6.5	19.6
8 9	19 30.51	−27 32.8	1.543	2.488	10.7	19.9
8 19	19 24.74	−27 37.9	1.614	2.493	14.4	20.1

510143 2010 VQ_{67} 7 18.1 338°.08 0°.9/17.7 18

6 10	20 15.12	−22 58.6	2.109	2.946	13.2	21.4
6 20	20 11.06	−23 4.8	2.025	2.942	10.3	21.2
6 30	20 4.89	−23 14.1	1.964	2.938	6.9	21.0
7 10	19 57.17	−23 23.9	1.927	2.935	3.2	20.8
7 20	19 48.67	−23 31.7	1.917	2.932	1.2	20.6
7 30	19 40.33	−23 35.3	1.934	2.928	4.9	20.9
8 9	19 33.06	−23 33.6	1.977	2.926	8.6	21.1
8 19	19 27.59	−23 26.7	2.045	2.923	11.8	21.3

518201 2016 PM_{97} 7 18.1 238.°72 1.°1/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 18.51	−18 44.0	1.814	2.647	15.2	21.0
6 20	20 13.93	−18 28.9	1.733	2.645	12.0	20.8
6 30	20 6.93	−18 19.5	1.672	2.644	8.2	20.6
7 10	19 58.14	−18 14.3	1.636	2.642	3.9	20.3
7 20	19 48.43	−18 11.5	1.625	2.640	1.3	20.1
7 30	19 38.93	−18 9.4	1.642	2.639	5.3	20.4
8 9	19 30.71	−18 6.7	1.685	2.637	9.5	20.7
8 19	19 24.59	−18 2.8	1.750	2.635	13.1	20.9

517014 2012 TZ_{326} 7 18.1 216.°49 5.°0/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 19.41	−33 15.4	2.363	3.192	12.3	22.0
6 20	20 14.53	−34 25.2	2.279	3.185	9.8	21.8
6 30	20 7.34	−35 34.1	2.219	3.179	7.3	21.7
7 10	19 58.36	−36 36.3	2.185	3.171	5.3	21.5
7 20	19 48.37	−37 26.5	2.177	3.164	5.4	21.5
7 30	19 38.41	−38 0.7	2.198	3.155	7.3	21.6
8 9	19 29.51	−38 17.9	2.244	3.147	9.9	21.8
8 19	19 22.52	−38 19.0	2.313	3.138	12.5	21.9

404604 2014 CK_{23} 7 18.1 183.°30 3.°5/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 18.87	−29 0.6	2.354	3.184	12.3	21.3
6 20	20 13.90	−29 54.4	2.274	3.184	9.6	21.1
6 30	20 6.78	−30 49.1	2.216	3.184	6.7	20.9
7 10	19 58.05	−31 40.0	2.185	3.184	4.1	20.8
7 20	19 48.46	−32 22.3	2.181	3.183	3.8	20.8
7 30	19 38.97	−32 52.9	2.206	3.181	6.1	20.9
8 9	19 30.54	−33 10.3	2.257	3.179	9.0	21.1
8 19	19 23.91	−33 15.1	2.333	3.177	11.8	21.3

480760 2016 NU_{45} 7 18.1 301.°64 0.°2/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 15.41	−18 18.4	1.680	2.523	15.8	21.2
6 20	20 11.88	−18 42.4	1.596	2.515	12.4	21.0
6 30	20 5.78	−19 16.4	1.532	2.507	8.4	20.7
7 10	19 57.71	−19 57.2	1.492	2.500	3.9	20.4
7 20	19 48.54	−20 40.6	1.477	2.493	0.9	20.2
7 30	19 39.43	−21 22.4	1.488	2.485	5.7	20.5
8 9	19 31.57	−21 59.0	1.524	2.479	10.1	20.7
8 19	19 25.88	−22 28.3	1.583	2.472	14.1	21.0

437503 2013 YF_{77} 7 18.1 211.°14 2.°3/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 18.06	−23 4.4	2.106	2.938	13.4	21.6
6 20	20 13.54	−24 12.1	2.019	2.933	10.5	21.4
6 30	20 6.72	−25 26.8	1.954	2.928	7.0	21.2
7 10	19 58.10	−26 43.4	1.916	2.922	3.5	21.0
7 20	19 48.44	−27 56.3	1.906	2.916	2.6	20.9
7 30	19 38.77	−29 0.1	1.924	2.910	5.9	21.1
8 9	19 30.13	−29 51.6	1.969	2.903	9.5	21.3
8 19	19 23.38	−30 29.7	2.037	2.895	12.7	21.5

235862 2005 AU_{44} 7 18.1 355.°26 0.°9/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 13.17	−18 47.8	1.554	2.406	16.4	19.6
6 20	20 10.32	−19 43.6	1.478	2.403	12.8	19.4
6 30	20 4.83	−20 51.7	1.423	2.401	8.6	19.2
7 10	19 57.30	−22 7.3	1.390	2.400	3.9	18.9
7 20	19 48.64	−23 24.0	1.383	2.399	1.5	18.7
7 30	19 40.08	−24 35.3	1.402	2.398	6.2	19.0
8 9	19 32.85	−25 36.0	1.446	2.398	10.7	19.3
8 19	19 27.90	−26 23.8	1.511	2.399	14.6	19.5

477147 2009 DL_{58} 7 18.1 210.°68 2.°6/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 15.00	−11 1.3	2.478	3.278	12.6	22.2
6 20	20 10.61	−11 11.5	2.383	3.272	10.1	22.0
6 30	20 4.44	−11 32.2	2.310	3.265	7.3	21.8
7 10	19 56.95	−12 2.4	2.262	3.258	4.3	21.6
7 20	19 48.74	−12 40.3	2.242	3.251	2.6	21.5
7 30	19 40.55	−13 23.4	2.251	3.243	4.5	21.6
8 9	19 33.15	−14 8.7	2.287	3.235	7.6	21.8
8 19	19 27.19	−14 53.6	2.349	3.226	10.5	22.0

446126 2013 EF_{30} 7 18.1 24.°56 1.°2/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 14.12	−22 45.5	1.996	2.837	13.7	20.2
6 20	20 10.35	−23 8.5	1.923	2.843	10.6	20.0
6 30	20 4.43	−23 35.7	1.873	2.849	7.1	19.8
7 10	19 56.97	−24 3.9	1.847	2.855	3.3	19.5
7 20	19 48.75	−24 29.7	1.848	2.862	1.6	19.4
7 30	19 40.74	−24 50.1	1.875	2.869	5.1	19.7
8 9	19 33.89	−25 3.5	1.929	2.876	8.8	19.9
8 19	19 28.89	−25 9.6	2.005	2.884	12.0	20.1

436213 2009 XP_{19} 7 18.1 157.°39 0.°9/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 18.25	−17 28.6	2.177	2.996	13.5	22.2
6 20	20 13.28	−17 34.7	2.097	3.002	10.6	22.0
6 30	20 6.27	−17 47.6	2.039	3.007	7.2	21.8
7 10	19 57.78	−18 5.3	2.007	3.012	3.5	21.5
7 20	19 48.56	−18 25.3	2.002	3.017	1.1	21.4
7 30	19 39.51	−18 45.4	2.025	3.021	4.6	21.6
8 9	19 31.53	−19 3.6	2.076	3.025	8.2	21.9
8 19	19 25.31	−19 18.8	2.151	3.028	11.4	22.1

137684 1999 XH_{51} 7 18.1 220.°65 0.°4/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 19.62	−18 41.5	1.879	2.707	15.0	21.8
6 20	20 14.88	−18 54.0	1.789	2.699	11.8	21.5
6 30	20 7.67	−19 14.0	1.720	2.691	8.0	21.3
7 10	19 58.54	−19 39.2	1.675	2.682	3.7	21.0
7 20	19 48.36	−20 6.1	1.657	2.673	0.9	20.8
7 30	19 38.22	−20 31.5	1.667	2.663	5.3	21.1
8 9	19 29.27	−20 53.0	1.703	2.652	9.6	21.3
8 19	19 22.39	−21 9.3	1.762	2.641	13.3	21.5

295484 2008 QX_{47} 7 18.1 356.°24 1.°5/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 11.97	−15 10.0	1.336	2.193	18.3	19.9
6 20	20 9.68	−15 30.3	1.264	2.189	14.5	19.6
6 30	20 4.54	−16 5.5	1.210	2.187	10.0	19.4
7 10	19 57.20	−16 53.3	1.178	2.185	5.0	19.1
7 20	19 48.69	−17 48.9	1.169	2.184	1.7	18.8
7 30	19 40.32	−18 46.6	1.184	2.184	6.3	19.1
8 9	19 33.46	−19 40.9	1.222	2.185	11.2	19.4
8 19	19 29.09	−20 28.1	1.281	2.186	15.6	19.7

477919 2011 PR_{8} 7 18.1 186.°77 7.°7/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 29.35	−45 37.9	2.481	3.274	12.8	21.8
6 20	20 22.18	−46 14.5	2.407	3.274	10.8	21.7
6 30	20 12.31	−46 40.2	2.356	3.273	9.0	21.5
7 10	20 0.53	−46 48.8	2.328	3.272	7.8	21.5
7 20	19 47.92	−46 36.2	2.327	3.271	7.8	21.5
7 30	19 35.79	−46 0.9	2.352	3.269	9.0	21.5
8 9	19 25.31	−45 5.3	2.403	3.267	10.9	21.7
8 19	19 17.31	−43 53.8	2.476	3.265	12.8	21.8

438961 2010 LF_{87} 7 18.1 325.°80 0.°7/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 15.25	−19 50.1	1.859	2.699	14.7	20.8
6 20	20 11.47	−19 34.5	1.770	2.687	11.5	20.6
6 30	20 5.35	−19 23.6	1.701	2.675	7.8	20.3
7 10	19 57.47	−19 15.8	1.657	2.664	3.7	20.1
7 20	19 48.64	−19 9.5	1.638	2.653	1.0	19.8
7 30	19 39.92	−19 3.0	1.646	2.643	5.2	20.1
8 9	19 32.36	−18 55.4	1.679	2.634	9.3	20.3
8 19	19 26.78	−18 46.2	1.736	2.624	13.0	20.6

198352 2004 VZ_{6} 7 18.1 347.°50 4.°4/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 13.22	−26 9.8	1.349	2.219	17.4	19.6
6 20	20 10.99	−27 20.9	1.277	2.211	13.6	19.3
6 30	20 5.63	−28 39.1	1.225	2.205	9.4	19.1
7 10	19 57.80	−29 56.7	1.194	2.199	5.4	18.8
7 20	19 48.58	−31 5.2	1.188	2.195	4.9	18.8
7 30	19 39.46	−31 57.4	1.205	2.191	8.6	19.0
8 9	19 31.99	−32 29.7	1.245	2.188	12.9	19.2
8 19	19 27.29	−32 42.7	1.304	2.186	16.9	19.5

479502 2014 AR_{53} 7 18.1 163.°40 4.°9/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 16.61	− 5 22.4	2.475	3.249	13.3	22.2
6 20	20 11.71	− 4 55.8	2.391	3.255	11.0	22.0
6 30	20 5.09	− 4 40.9	2.329	3.260	8.5	21.9
7 10	19 57.23	− 4 38.4	2.291	3.265	6.1	21.7
7 20	19 48.75	− 4 48.2	2.280	3.269	4.9	21.7
7 30	19 40.39	− 5 9.0	2.297	3.272	5.9	21.7
8 9	19 32.89	− 5 38.3	2.341	3.275	8.2	21.9
8 19	19 26.83	− 6 13.5	2.411	3.278	10.7	22.1

343356 2010 CE_{75} 7 18.1 331.°36 1.°4/17.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 17.04	−23 24.6	1.655	2.503	15.7	21.0
6 20	20 13.20	−23 39.4	1.576	2.499	12.3	20.8
6 30	20 6.67	−23 58.6	1.517	2.494	8.3	20.6
7 10	19 58.13	−24 18.5	1.482	2.490	3.9	20.3
7 20	19 48.53	−24 35.0	1.472	2.486	1.8	20.1
7 30	19 39.11	−24 45.1	1.488	2.483	6.1	20.4
8 9	19 31.09	−24 47.1	1.529	2.480	10.4	20.7
8 19	19 25.40	−24 41.4	1.592	2.477	14.2	20.9

88951 2001 TM_{38} 7 18.1 187.°21 4.°1/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 19.75	−12 5.4	1.896	2.706	15.5	19.3
6 20	20 14.72	−11 18.6	1.812	2.706	12.5	19.1
6 30	20 7.39	−10 40.3	1.750	2.706	9.1	18.9
7 10	19 58.36	−10 11.4	1.712	2.705	5.8	18.7
7 20	19 48.48	− 9 52.1	1.700	2.704	4.1	18.6
7 30	19 38.78	− 9 42.1	1.715	2.703	6.2	18.7
8 9	19 30.27	− 9 39.8	1.756	2.701	9.7	18.9
8 19	19 23.73	− 9 43.5	1.821	2.700	13.0	19.1

430225 2013 VW_{14} 7 18.1 256.°45 3.°2/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 21.27	−27 45.8	1.711	2.554	15.6	22.1
6 20	20 16.61	−28 8.7	1.625	2.543	12.3	21.8
6 30	20 9.05	−28 32.7	1.559	2.533	8.4	21.6
7 10	19 59.26	−28 52.6	1.517	2.522	4.6	21.3
7 20	19 48.25	−29 3.7	1.501	2.510	3.5	21.2
7 30	19 37.37	−29 2.6	1.512	2.499	6.9	21.4
8 9	19 27.96	−28 48.8	1.547	2.487	11.1	21.6
8 19	19 21.04	−28 24.0	1.604	2.476	14.8	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
116727 2004 DL_{16}			7 18.1 154°.43		3°.8/19.7 17	
	h m	° ′			°	m
6 10	20 17.95	−10 24.1	1.815	2.627	16.1	20.4
6 20	20 13.43	−10 14.6	1.738	2.632	13.0	20.2
6 30	20 6.58	−10 18.2	1.680	2.636	9.4	20.0
7 10	19 58.01	−10 34.5	1.646	2.640	5.8	19.7
7 20	19 48.57	−11 1.8	1.637	2.644	3.8	19.6
7 30	19 39.30	−11 37.2	1.656	2.647	5.9	19.8
8 9	19 31.24	−12 17.3	1.700	2.650	9.5	20.0
8 19	19 25.16	−12 58.5	1.768	2.653	13.0	20.2
61677 2000 QC_{124}			7 18.1 213°.31		4°.4/20.5 18	
6 10	20 13.42	− 6 45.6	2.375	3.164	13.4	19.9
6 20	20 9.42	− 6 31.9	2.285	3.161	11.0	19.7
6 30	20 3.67	− 6 30.2	2.217	3.158	8.3	19.5
7 10	19 56.63	− 6 41.0	2.174	3.156	5.8	19.3
7 20	19 48.91	− 7 3.5	2.156	3.153	4.4	19.3
7 30	19 41.27	− 7 36.0	2.167	3.150	5.6	19.3
8 9	19 34.44	− 8 15.6	2.204	3.146	8.1	19.5
8 19	19 29.06	− 8 59.4	2.265	3.143	10.8	19.6
106625 2000 WC_{125}			7 18.1 247°.22		2°.4/17.4 18	
6 10	20 22.72	−26 14.6	1.618	2.461	16.3	19.4
6 20	20 17.85	−26 25.5	1.531	2.450	12.8	19.1
6 30	20 9.95	−26 38.0	1.465	2.440	8.8	18.9
7 10	19 59.70	−26 47.5	1.422	2.429	4.4	18.6
7 20	19 48.16	−26 49.5	1.406	2.418	2.8	18.4
7 30	19 36.77	−26 41.1	1.415	2.406	6.8	18.7
8 9	19 26.95	−26 22.1	1.449	2.395	11.3	18.9
8 19	19 19.74	−25 54.2	1.505	2.383	15.3	19.1
97959 2000 QM_{140}			7 18.1 244°.42		4°.0/16.7 18	
6 10	20 22.67	−28 33.3	1.598	2.443	16.4	19.7
6 20	20 17.97	−29 8.0	1.513	2.433	12.9	19.5
6 30	20 10.14	−29 44.0	1.449	2.422	9.0	19.2
7 10	19 59.82	−30 15.3	1.409	2.411	5.2	19.0
7 20	19 48.13	−30 35.8	1.393	2.400	4.3	18.9
7 30	19 36.55	−30 41.3	1.404	2.388	7.7	19.1
8 9	19 26.58	−30 31.1	1.438	2.376	11.9	19.3
8 19	19 19.33	−30 7.4	1.495	2.364	15.8	19.5
37877 1998 FX_{41}			7 18.1 45°.87		2°.8/19.2 18	
6 10	20 15.77	−13 31.4	1.610	2.443	16.8	19.4
6 20	20 11.99	−13 25.4	1.540	2.450	13.4	19.2
6 30	20 5.73	−13 31.5	1.490	2.457	9.4	18.9
7 10	19 57.65	−13 48.6	1.463	2.465	5.2	18.7
7 20	19 48.68	−14 14.3	1.461	2.473	2.8	18.6
7 30	19 39.97	−14 45.3	1.485	2.481	5.8	18.8
8 9	19 32.62	−15 18.1	1.533	2.489	9.9	19.1
8 19	19 27.43	−15 50.0	1.604	2.498	13.6	19.3
404765 2014 JM_{42}			7 18.1 111°.04		2°.1/16.8 18	
6 10	20 15.42	−24 6.2	2.258	3.092	12.6	20.8
6 20	20 11.22	−24 58.0	2.181	3.096	9.7	20.6
6 30	20 5.00	−25 54.0	2.126	3.100	6.5	20.4
7 10	19 57.28	−26 50.1	2.098	3.104	3.3	20.2
7 20	19 48.77	−27 41.9	2.098	3.108	2.4	20.1
7 30	19 40.38	−28 25.7	2.125	3.112	5.3	20.3
8 9	19 32.99	−28 59.2	2.179	3.116	8.5	20.5
8 19	19 27.31	−29 22.0	2.257	3.120	11.5	20.7
196668 2003 SW_{50}			7 18.1 140°.84		7°.5/22.2 18	
6 10	20 14.19	+ 0 29.7	2.000	2.766	16.3	20.2
6 20	20 10.30	+ 0 56.8	1.920	2.769	13.9	20.0
6 30	20 4.40	+ 1 5.3	1.858	2.771	11.3	19.9
7 10	19 57.01	+ 0 53.2	1.819	2.774	8.9	19.7
7 20	19 48.84	+ 0 20.3	1.804	2.776	7.6	19.6
7 30	19 40.78	− 0 31.1	1.814	2.778	8.1	19.7
8 9	19 33.71	− 1 36.9	1.850	2.780	10.2	19.8
8 19	19 28.34	− 2 51.6	1.909	2.782	12.7	20.0
4341 Poseidon			7 18.1 145°.41		0°.8/17.7 18	
6 10	20 33.39	−19 42.6	2.143	2.937	14.5	20.7
6 20	20 25.01	−20 34.8	2.069	2.961	11.3	20.5
6 30	20 14.13	−21 33.7	2.019	2.983	7.5	20.3
7 10	20 1.41	−22 34.2	1.996	3.003	3.4	20.1
7 20	19 47.81	−23 31.1	2.006	3.020	1.3	20.0
7 30	19 34.51	−24 20.1	2.046	3.036	5.2	20.3
8 9	19 22.62	−24 58.8	2.117	3.049	9.0	20.6
8 19	19 12.97	−25 27.1	2.214	3.060	12.2	20.8
493607 2015 MO_{123}			7 18.1 349°.78		2°.6/18.9 18	
6 10	20 15.45	−15 13.3	1.882	2.710	14.9	20.9
6 20	20 11.46	−14 42.3	1.800	2.707	11.9	20.7
6 30	20 5.25	−14 18.5	1.739	2.705	8.4	20.4
7 10	19 57.41	−14 1.9	1.701	2.703	4.7	20.2
7 20	19 48.75	−13 51.8	1.690	2.701	2.7	20.1
7 30	19 40.26	−13 47.1	1.705	2.699	5.4	20.3
8 9	19 32.91	−13 46.3	1.745	2.698	9.1	20.5
8 19	19 27.46	−13 48.1	1.809	2.698	12.6	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
478328 2011 WA_{104}			7 18.1 124°.85		4°.7/15.8 17	
	h m	° ′			°	m
6 10	20 19.25	−34 2.4	2.345	3.174	12.3	21.9
6 20	20 14.21	−34 42.8	2.273	3.179	9.8	21.7
6 30	20 6.97	−35 19.9	2.224	3.185	7.2	21.6
7 10	19 58.15	−35 48.8	2.201	3.190	5.1	21.5
7 20	19 48.58	−36 5.6	2.205	3.195	4.9	21.5
7 30	19 39.26	−36 8.1	2.235	3.200	6.8	21.6
8 9	19 31.13	−35 56.2	2.292	3.205	9.3	21.7
8 19	19 24.93	−35 32.1	2.372	3.210	11.8	21.9
228663 2002 GU_{71}			7 18.1 178°.51		5°.4/15.3 18	
6 10	20 23.53	−35 58.0	2.425	3.244	12.3	21.2
6 20	20 17.59	−36 51.5	2.349	3.246	9.9	21.1
6 30	20 9.30	−37 41.1	2.295	3.247	7.5	20.9
7 10	19 59.25	−38 21.1	2.268	3.248	5.7	20.8
7 20	19 48.32	−38 46.8	2.267	3.248	5.6	20.8
7 30	19 37.57	−38 55.6	2.295	3.248	7.4	20.9
8 9	19 28.06	−38 47.5	2.348	3.246	9.8	21.0
8 19	19 20.58	−38 24.7	2.425	3.244	12.2	21.2
253423 2003 QY_{48}			7 18.1 286°.84		3°.0/19.1 18	
6 10	20 17.07	−13 45.4	1.497	2.333	17.7	21.0
6 20	20 13.74	−13 37.8	1.394	2.307	14.3	20.7
6 30	20 7.47	−13 43.1	1.311	2.280	10.2	20.4
7 10	19 58.73	−14 1.0	1.249	2.252	5.7	20.1
7 20	19 48.39	−14 29.7	1.212	2.224	3.0	19.9
7 30	19 37.77	−15 5.9	1.199	2.196	6.7	20.0
8 9	19 28.33	−15 45.3	1.211	2.168	11.8	20.2
8 19	19 21.32	−16 24.4	1.244	2.140	16.5	20.4
163909 2003 SM_{237}			7 18.1 242°.33		3°.5/19.7 18	
6 10	20 15.00	−10 35.5	1.913	2.727	15.3	20.5
6 20	20 11.10	−10 30.6	1.829	2.725	12.3	20.3
6 30	20 5.03	−10 38.4	1.766	2.723	8.9	20.1
7 10	19 57.34	−10 58.5	1.726	2.721	5.4	19.9
7 20	19 48.77	−11 29.0	1.712	2.719	3.5	19.8
7 30	19 40.31	−12 7.4	1.725	2.717	5.6	19.9
8 9	19 32.91	−12 50.0	1.763	2.715	9.1	20.1
8 19	19 27.35	−13 33.4	1.825	2.713	12.5	20.3
121484 1999 TP_{243}			7 18.1 350°.96		0°.3/17.9 18	
6 10	20 14.17	−20 8.4	2.171	3.003	13.1	20.0
6 20	20 10.28	−20 30.5	2.088	3.003	10.2	19.8
6 30	20 4.38	−20 58.6	2.028	3.002	6.8	19.6
7 10	19 57.00	−21 29.8	1.993	3.001	3.1	19.4
7 20	19 48.86	−22 1.3	1.985	3.001	0.9	19.2
7 30	19 40.84	−22 30.0	2.005	3.000	4.7	19.5
8 9	19 33.81	−22 53.8	2.051	3.000	8.2	19.7
8 19	19 28.48	−23 11.6	2.121	3.000	11.4	19.9
316026 2009 FS_{42}			7 18.1 39°.68		2°.2/19.0 17	
6 10	20 15.92	−13 31.9	1.296	2.145	19.3	20.7
6 20	20 12.75	−13 51.4	1.231	2.150	15.3	20.5
6 30	20 6.59	−14 27.7	1.183	2.156	10.6	20.2
7 10	19 58.17	−15 18.2	1.157	2.163	5.5	19.9
7 20	19 48.60	−16 18.1	1.155	2.169	2.3	19.8
7 30	19 39.28	−17 21.1	1.177	2.176	6.4	20.0
8 9	19 31.62	−18 21.5	1.223	2.184	11.4	20.3
8 19	19 26.59	−19 14.9	1.289	2.191	15.7	20.6
302324 2002 AQ_{75}			7 18.1 241°.91		1°.6/17.1 18	
6 10	20 15.01	−22 33.1	2.276	3.109	12.5	20.7
6 20	20 10.95	−23 20.7	2.190	3.105	9.7	20.5
6 30	20 4.87	−24 13.9	2.127	3.101	6.5	20.3
7 10	19 57.26	−25 8.9	2.089	3.096	3.1	20.1
7 20	19 48.82	−26 1.5	2.079	3.092	1.9	20.0
7 30	19 40.41	−26 47.8	2.097	3.087	5.1	20.2
8 9	19 32.95	−27 25.3	2.142	3.083	8.5	20.4
8 19	19 27.15	−27 53.0	2.211	3.078	11.5	20.6
198167 2004 TO_{79}			7 18.1 212°.81		1°.5/18.8 17	
6 10	20 17.40	−15 39.1	2.207	3.022	13.5	21.4
6 20	20 12.74	−15 43.2	2.114	3.016	10.6	21.2
6 30	20 6.03	−15 55.3	2.044	3.010	7.4	21.0
7 10	19 57.78	−16 13.9	1.999	3.003	3.8	20.7
7 20	19 48.70	−16 37.0	1.981	2.995	1.6	20.6
7 30	19 39.67	−17 2.1	1.992	2.987	4.7	20.8
8 9	19 31.59	−17 26.8	2.029	2.979	8.3	21.0
8 19	19 25.21	−17 49.5	2.091	2.970	11.6	21.2
167496 2003 YE_{84}			7 18.1 314°.11		6°.7/19.2 18	
6 10	20 17.12	− 9 4.3	1.681	2.495	17.0	19.2
6 20	20 13.16	− 7 42.2	1.587	2.478	14.2	19.0
6 30	20 6.66	− 6 28.5	1.513	2.461	10.9	18.7
7 10	19 58.19	− 5 26.4	1.462	2.445	8.0	18.5
7 20	19 48.59	− 4 38.9	1.436	2.429	6.7	18.4
7 30	19 38.98	− 4 7.6	1.435	2.413	8.4	18.5
8 9	19 30.55	− 3 52.0	1.458	2.398	11.7	18.6
8 19	19 24.22	− 3 49.9	1.503	2.383	15.2	18.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
377058 2002 TR_{276}			7 18.1 306°.38		2°.4/17.3 17	
	h m	° ′			°	m
6 10	20 16.81	−24 27.0	1.370	2.232	17.6	21.3
6 20	20 14.03	−24 50.1	1.273	2.204	14.0	20.9
6 30	20 7.94	−25 19.2	1.195	2.175	9.6	20.6
7 10	19 59.05	−25 49.7	1.138	2.146	4.8	20.2
7 20	19 48.35	−26 15.8	1.105	2.118	2.9	20.0
7 30	19 37.42	−26 31.9	1.095	2.090	7.7	20.2
8 9	19 27.95	−26 35.5	1.109	2.063	13.0	20.5
8 19	19 21.33	−26 26.6	1.142	2.036	17.9	20.7
98069 2000 RX_{52}			7 18.1 293°.18		0°.3/18.2 18	
6 10	20 15.80	−17 53.0	1.724	2.563	15.6	20.1
6 20	20 12.41	−18 16.2	1.618	2.535	12.4	19.8
6 30	20 6.38	−18 50.2	1.534	2.508	8.5	19.5
7 10	19 58.17	−19 32.5	1.472	2.480	4.0	19.2
7 20	19 48.58	−20 19.4	1.436	2.452	0.9	18.9
7 30	19 38.76	−21 6.1	1.427	2.424	5.9	19.2
8 9	19 30.00	−21 48.6	1.443	2.396	10.6	19.4
8 19	19 23.36	−22 24.1	1.480	2.368	14.9	19.6
232514 2003 QX_{97}			7 18.1 338°.05		0°.6/17.9 17	
6 10	20 13.95	−21 11.2	1.433	2.293	17.1	20.6
6 20	20 11.23	−21 21.8	1.353	2.282	13.4	20.3
6 30	20 5.63	−21 39.7	1.292	2.272	9.1	20.0
7 10	19 57.79	−22 1.5	1.254	2.263	4.2	19.7
7 20	19 48.73	−22 23.3	1.239	2.255	1.3	19.5
7 30	19 39.78	−22 41.2	1.249	2.247	6.3	19.8
8 9	19 32.31	−22 52.6	1.282	2.240	11.2	20.1
8 19	19 27.35	−22 56.7	1.336	2.235	15.5	20.3
506586 2005 WT_{76}			7 18.1 238°.69		7°.2/13.9 17	
6 10	20 21.26	−35 4.9	1.844	2.683	14.8	22.0
6 20	20 16.84	−36 40.0	1.767	2.676	12.0	21.8
6 30	20 9.41	−38 14.4	1.712	2.669	9.2	21.6
7 10	19 59.56	−39 39.3	1.681	2.661	7.3	21.5
7 20	19 48.29	−40 46.4	1.677	2.654	7.6	21.5
7 30	19 37.02	−41 30.0	1.697	2.646	9.8	21.6
8 9	19 27.19	−41 48.7	1.742	2.637	12.7	21.8
8 19	19 19.93	−41 45.0	1.807	2.629	15.6	21.9
345867 2007 QB_{1}			7 18.1 337°.34		5°.5/18.6 18	
6 10	20 13.40	−15 19.1	1.235	2.095	19.3	19.5
6 20	20 11.19	−13 50.1	1.147	2.071	15.7	19.2
6 30	20 5.86	−12 24.3	1.077	2.049	11.5	18.9
7 10	19 58.00	−11 4.8	1.028	2.028	7.3	18.6
7 20	19 48.67	− 9 55.3	1.002	2.009	5.5	18.5
7 30	19 39.34	− 8 58.7	0.998	1.991	8.6	18.6
8 9	19 31.56	− 8 16.4	1.016	1.975	13.3	18.8
8 19	19 26.49	− 7 47.8	1.053	1.961	17.9	19.0
189573 2000 TV_{23}			7 18.1 331°.01		2°.6/18.5 18	
6 10	20 18.06	−18 43.6	1.385	2.236	18.1	19.5
6 20	20 14.45	−17 45.0	1.300	2.222	14.4	19.2
6 30	20 7.80	−16 49.4	1.235	2.209	10.1	18.9
7 10	19 58.79	−15 57.4	1.192	2.197	5.3	18.6
7 20	19 48.51	−15 9.5	1.173	2.186	2.8	18.4
7 30	19 38.39	−14 26.6	1.178	2.175	6.8	18.7
8 9	19 29.85	−13 49.3	1.207	2.165	11.7	18.9
8 19	19 23.94	−13 17.7	1.257	2.157	16.2	19.1
215827 2005 AW_{53}			7 18.1 181°.60		0°.7/18.4 17	
6 10	20 21.50	−18 11.1	1.858	2.682	15.3	21.4
6 20	20 16.28	−18 16.6	1.775	2.683	12.0	21.2
6 30	20 8.58	−18 29.5	1.714	2.684	8.2	21.0
7 10	19 59.02	−18 47.4	1.677	2.684	3.9	20.7
7 20	19 48.49	−19 7.4	1.668	2.683	1.0	20.5
7 30	19 38.13	−19 26.6	1.686	2.682	5.3	20.8
8 9	19 29.05	−19 42.9	1.730	2.680	9.5	21.1
8 19	19 22.09	−19 55.1	1.798	2.677	13.2	21.3
330640 2008 FX_{2}			7 18.1 165°.57		0°.1/18.1 17	
6 10	20 20.50	−19 21.5	1.879	2.707	15.0	22.3
6 20	20 15.46	−19 38.4	1.801	2.711	11.7	22.1
6 30	20 8.00	−20 2.4	1.744	2.715	7.9	21.8
7 10	19 58.75	−20 30.3	1.711	2.719	3.6	21.6
7 20	19 48.57	−20 58.8	1.706	2.722	0.8	21.4
7 30	19 38.58	−21 24.5	1.728	2.724	5.2	21.7
8 9	19 29.87	−21 45.1	1.777	2.726	9.3	21.9
8 19	19 23.24	−21 59.9	1.849	2.727	12.9	22.2
188727 2005 UP_{42}			7 18.1 248°.54		5°.4/14.9 18	
6 10	20 18.51	−35 44.0	2.418	3.246	12.0	20.5
6 20	20 13.84	−36 41.2	2.335	3.238	9.7	20.3
6 30	20 6.91	−37 35.4	2.275	3.230	7.4	20.2
7 10	19 58.26	−38 21.2	2.240	3.221	5.7	20.0
7 20	19 48.67	−38 53.7	2.232	3.213	5.7	20.0
7 30	19 39.17	−39 10.0	2.251	3.204	7.5	20.1
8 9	19 30.75	−39 9.4	2.295	3.195	9.9	20.3
8 19	19 24.24	−38 53.6	2.362	3.186	12.3	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
439491 2013 YW_{147}			7 18.1 183°.17		2°.2/18.9 17	
	h m	° ′			°	m
6 10	20 18.67	−15 23.5	2.075	2.891	14.2	21.6
6 20	20 13.76	−15 2.3	1.991	2.892	11.2	21.4
6 30	20 6.72	−14 48.0	1.928	2.892	7.9	21.2
7 10	19 58.12	−14 40.0	1.890	2.891	4.3	21.0
7 20	19 48.74	−14 37.2	1.879	2.891	2.3	20.8
7 30	19 39.52	−14 38.4	1.896	2.890	5.0	21.0
8 9	19 31.39	−14 42.0	1.939	2.889	8.6	21.2
8 19	19 25.08	−14 46.6	2.007	2.887	11.9	21.4
48546 1993 TM_{19}			7 18.1 261°.70		2°.1/17.1 18	
6 10	20 17.14	−24 49.4	2.027	2.864	13.7	19.6
6 20	20 12.92	−25 21.7	1.939	2.856	10.7	19.4
6 30	20 6.38	−25 57.7	1.873	2.847	7.2	19.2
7 10	19 58.05	−26 33.4	1.832	2.838	3.6	18.9
7 20	19 48.75	−27 4.5	1.818	2.829	2.4	18.8
7 30	19 39.52	−27 27.7	1.831	2.820	5.7	19.0
8 9	19 31.40	−27 41.2	1.870	2.811	9.4	19.2
8 19	19 25.24	−27 44.8	1.932	2.802	12.8	19.4
357878 2005 UV_{420}			7 18.1 157°.12		0°.3/18.3 18	
6 10	20 14.64	−18 43.8	2.682	3.500	11.3	22.2
6 20	20 10.20	−18 58.6	2.599	3.504	8.8	22.0
6 30	20 4.13	−19 18.6	2.539	3.508	5.9	21.8
7 10	19 56.88	−19 41.8	2.505	3.512	2.7	21.6
7 20	19 49.05	−20 6.0	2.499	3.515	0.6	21.4
7 30	19 41.33	−20 29.2	2.523	3.518	3.8	21.7
8 9	19 34.43	−20 49.7	2.574	3.521	6.9	21.9
8 19	19 28.89	−21 6.4	2.651	3.524	9.6	22.1
461443 2002 EO_{107}			7 18.1 72°.58		3°.6/16.9 17	
6 10	20 23.80	−27 4.1	1.331	2.186	18.5	21.5
6 20	20 18.82	−27 42.2	1.281	2.206	14.4	21.3
6 30	20 10.54	−28 22.0	1.251	2.227	9.7	21.1
7 10	19 59.93	−28 56.6	1.243	2.248	5.2	20.9
7 20	19 48.37	−29 19.9	1.260	2.269	4.0	20.8
7 30	19 37.48	−29 28.3	1.301	2.290	7.7	21.1
8 9	19 28.68	−29 22.0	1.366	2.310	11.9	21.4
8 19	19 22.89	−29 3.5	1.452	2.331	15.7	21.7
350894 2002 QB_{151}			7 18.1 310°.50		0°.3/18.2 18	
6 10	20 16.51	−20 2.3	1.794	2.634	15.1	21.0
6 20	20 12.60	−19 58.3	1.708	2.625	11.9	20.8
6 30	20 6.23	−19 59.8	1.642	2.616	8.0	20.5
7 10	19 58.01	−20 4.8	1.600	2.608	3.7	20.3
7 20	19 48.80	−20 10.8	1.584	2.599	0.9	20.0
7 30	19 39.70	−20 15.6	1.594	2.591	5.4	20.3
8 9	19 31.81	−20 17.5	1.630	2.583	9.6	20.6
8 19	19 26.01	−20 16.0	1.688	2.576	13.4	20.8
467607 2007 VC_{315}			7 18.1 309°.88		5°.3/15.8 18	
6 10	20 15.24	−26 56.9	1.230	2.103	18.5	20.8
6 20	20 13.34	−28 8.2	1.139	2.075	14.8	20.5
6 30	20 7.85	−29 29.5	1.068	2.048	10.4	20.2
7 10	19 59.20	−30 52.6	1.017	2.021	6.3	19.9
7 20	19 48.45	−32 7.3	0.989	1.995	5.9	19.7
7 30	19 37.33	−33 3.6	0.983	1.969	10.1	19.9
8 9	19 27.85	−33 36.4	0.999	1.944	15.2	20.1
8 19	19 21.60	−33 45.5	1.033	1.919	20.0	20.3
292895 2006 VQ_{38}			7 18.1 144°.70		1°.4/17.5 17	
6 10	20 20.70	−22 44.5	1.804	2.639	15.2	21.8
6 20	20 15.76	−23 12.6	1.731	2.646	11.8	21.6
6 30	20 8.28	−23 45.8	1.679	2.653	7.9	21.4
7 10	19 58.92	−24 19.9	1.652	2.659	3.7	21.2
7 20	19 48.62	−24 50.4	1.651	2.665	1.8	21.0
7 30	19 38.57	−25 13.9	1.678	2.670	5.7	21.3
8 9	19 29.90	−25 28.5	1.730	2.675	9.8	21.6
8 19	19 23.45	−25 34.3	1.806	2.680	13.3	21.8
299853 2006 ST_{254}			7 18.1 229°.18		0°.8/18.5 18	
6 10	20 15.38	−17 31.0	2.226	3.049	13.1	21.3
6 20	20 11.19	−17 41.5	2.138	3.045	10.3	21.1
6 30	20 5.02	−17 59.1	2.072	3.041	7.0	20.9
7 10	19 57.39	−18 21.9	2.031	3.037	3.4	20.7
7 20	19 48.98	−18 47.3	2.017	3.033	1.0	20.5
7 30	19 40.65	−19 12.9	2.032	3.028	4.5	20.7
8 9	19 33.27	−19 36.4	2.073	3.024	8.1	21.0
8 19	19 27.53	−19 56.4	2.139	3.019	11.3	21.1
357850 2005 UV_{208}			7 18.1 233°.82		5°.9/14.7 18	
6 10	20 18.83	−36 44.8	2.375	3.202	12.3	20.9
6 20	20 14.15	−37 47.2	2.297	3.198	10.0	20.8
6 30	20 7.16	−38 45.8	2.243	3.195	7.7	20.6
7 10	19 58.42	−39 34.9	2.214	3.191	6.1	20.5
7 20	19 48.75	−40 9.7	2.211	3.187	6.1	20.5
7 30	19 39.18	−40 26.9	2.235	3.183	7.8	20.6
8 9	19 30.78	−40 26.2	2.284	3.178	10.2	20.8
8 19	19 24.33	−40 9.6	2.355	3.174	12.5	20.9

469931 2006 AH_{43} 7 18.1 193°.09 0°.3/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 21.38	−21 0.1	2.047	2.871	14.1	21.5
6 20	20 15.96	−20 44.9	1.961	2.869	11.0	21.3
6 30	20 8.26	−20 32.7	1.897	2.868	7.4	21.1
7 10	19 58.87	−20 21.9	1.859	2.866	3.5	20.9
7 20	19 48.66	−20 10.6	1.848	2.863	0.8	20.7
7 30	19 38.64	−19 57.7	1.865	2.861	4.9	21.0
8 9	19 29.82	−19 42.6	1.909	2.858	8.8	21.2
8 19	19 22.98	−19 25.5	1.978	2.854	12.2	21.4

472195 2014 DK_{133} 7 18.1 303°.61 2°.6/19.3 18

6 10	20 14.25	−12 50.5	1.889	2.713	15.1	20.7
6 20	20 10.66	−12 53.2	1.802	2.706	12.1	20.5
6 30	20 4.86	−13 7.5	1.735	2.699	8.5	20.2
7 10	19 57.38	−13 32.4	1.692	2.693	4.8	20.0
7 20	19 48.99	−14 5.9	1.675	2.687	2.6	19.8
7 30	19 40.65	−14 44.8	1.684	2.680	5.3	20.0
8 9	19 33.36	−15 25.6	1.720	2.674	9.1	20.2
8 19	19 27.92	−16 5.3	1.778	2.668	12.7	20.4

437106 2012 UW_{110} 7 18.1 13°.77 14°.9/25.8 18

6 10	20 13.92	+15 18.7	1.841	2.526	20.0	20.6
6 20	20 10.44	+17 5.8	1.774	2.527	18.6	20.5
6 30	20 4.73	+18 27.5	1.722	2.528	17.1	20.4
7 10	19 57.33	+19 17.7	1.687	2.530	15.8	20.3
7 20	19 49.03	+19 31.9	1.670	2.532	15.0	20.3
7 30	19 40.80	+19 9.3	1.673	2.535	15.0	20.3
8 9	19 33.67	+18 13.2	1.695	2.538	15.6	20.3
8 19	19 28.41	+16 50.2	1.736	2.541	16.8	20.4

508094 2015 DL_{124} 7 18.1 67°.07 9°.0/14.9 17

6 10	20 26.12	−41 16.7	1.647	2.479	16.5	20.8
6 20	20 20.66	−42 29.2	1.601	2.498	13.7	20.7
6 30	20 11.83	−43 31.3	1.575	2.517	11.0	20.6
7 10	20 0.57	−44 14.0	1.572	2.536	9.3	20.5
7 20	19 48.31	−44 30.8	1.593	2.555	9.3	20.6
7 30	19 36.73	−44 19.6	1.637	2.574	10.9	20.7
8 9	19 27.31	−43 43.3	1.705	2.593	13.3	20.9
8 19	19 20.98	−42 47.7	1.792	2.612	15.8	21.1

120818 1998 HA_{68} 7 18.1 70°.06 2°.2/18.9 17

6 10	20 18.97	−15 17.2	1.671	2.500	16.5	20.0
6 20	20 14.26	−15 6.6	1.612	2.520	13.0	19.8
6 30	20 7.14	−15 5.7	1.573	2.541	8.9	19.6
7 10	19 58.35	−15 13.1	1.558	2.561	4.7	19.4
7 20	19 48.83	−15 26.5	1.568	2.581	2.2	19.3
7 30	19 39.73	−15 43.3	1.605	2.601	5.5	19.5
8 9	19 32.07	−16 1.1	1.668	2.622	9.4	19.8
8 19	19 26.58	−16 17.9	1.753	2.642	12.9	20.1

22128 2000 SH_{242} 7 18.1 93°.74 3°.6/16.7 18

6 10	20 22.95	−28 27.2	1.835	2.671	15.0	18.0
6 20	20 17.38	−29 9.5	1.779	2.693	11.6	17.8
6 30	20 9.24	−29 51.7	1.745	2.715	8.0	17.6
7 10	19 59.31	−30 28.3	1.736	2.737	4.6	17.5
7 20	19 48.61	−30 54.5	1.753	2.759	3.8	17.5
7 30	19 38.37	−31 7.5	1.798	2.780	6.6	17.7
8 9	19 29.70	−31 7.0	1.868	2.800	10.0	17.9
8 19	19 23.36	−30 54.9	1.961	2.820	13.1	18.2

22897 1999 TH_{7} 7 18.1 154°.17 4°.1/19.7 18

6 10	20 18.40	−10 48.0	1.657	2.475	17.1	18.2
6 20	20 14.07	−10 30.3	1.580	2.479	13.8	18.0
6 30	20 7.23	−10 26.0	1.523	2.482	10.0	17.7
7 10	19 58.50	−10 35.0	1.489	2.484	6.2	17.5
7 20	19 48.80	−10 55.8	1.480	2.487	4.1	17.4
7 30	19 39.28	−11 25.9	1.496	2.489	6.4	17.5
8 9	19 31.07	−12 1.4	1.538	2.491	10.2	17.8
8 19	19 25.03	−12 39.0	1.603	2.492	13.9	18.0

371837 2007 VM_{318} 7 18.1 49°.00 5°.6/21.3 18

6 10	20 12.10	− 2 12.8	2.753	3.515	12.4	19.8
6 20	20 8.07	− 1 28.1	2.683	3.531	10.4	19.6
6 30	20 2.62	− 0 55.2	2.634	3.547	8.4	19.5
7 10	19 56.21	− 0 35.3	2.609	3.564	6.6	19.4
7 20	19 49.35	− 0 28.7	2.610	3.581	5.7	19.4
7 30	19 42.66	− 0 34.8	2.639	3.598	6.2	19.5
8 9	19 36.71	− 0 51.7	2.693	3.615	7.8	19.6
8 19	19 31.98	− 1 16.7	2.772	3.632	9.6	19.7

28173 Hisakichi 7 18.1 149°.90 1°.5/17.5 18

6 10	20 20.70	−23 6.4	1.937	2.769	14.4	19.6
6 20	20 15.62	−23 37.8	1.863	2.776	11.2	19.4
6 30	20 8.13	−24 13.6	1.810	2.783	7.5	19.2
7 10	19 58.87	−24 49.9	1.783	2.790	3.6	18.9
7 20	19 48.73	−25 22.4	1.782	2.796	1.9	18.8
7 30	19 38.80	−25 47.6	1.810	2.802	5.5	19.1
8 9	19 30.17	−26 3.8	1.864	2.807	9.3	19.3
8 19	19 23.62	−26 11.1	1.941	2.811	12.7	19.5

293451 2007 ET_{178} 7 18.1 13°.58 4°.2/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 12.57	−14 10.1	0.906	1.787	22.9	20.1
6 20	20 11.10	−13 34.6	0.853	1.790	18.3	19.9
6 30	20 5.98	−13 15.4	0.815	1.795	13.0	19.6
7 10	19 58.13	−13 13.1	0.796	1.801	7.4	19.3
7 20	19 48.92	−13 25.8	0.796	1.808	4.2	19.2
7 30	19 40.17	−13 49.6	0.816	1.817	8.1	19.4
8 9	19 33.58	−14 19.2	0.857	1.827	13.5	19.8
8 19	19 30.22	−14 49.8	0.915	1.839	18.3	20.1

508467 2016 ND_{65} 7 18.1 281°.26 3°.5/17.2 18

6 10	20 22.65	−30 20.0	1.852	2.688	14.8	21.4
6 20	20 17.54	−30 24.3	1.761	2.675	11.7	21.2
6 30	20 9.65	−30 25.8	1.691	2.661	8.2	20.9
7 10	19 59.66	−30 20.0	1.646	2.648	4.7	20.7
7 20	19 48.56	−30 3.1	1.627	2.634	3.7	20.6
7 30	19 37.64	−29 33.5	1.635	2.621	6.7	20.8
8 9	19 28.17	−28 51.9	1.668	2.607	10.5	21.0
8 19	19 21.09	−28 1.3	1.725	2.593	14.1	21.2

118883 2000 US_{4} 7 18.1 293°.64 1°.3/17.5 18

6 10	20 15.32	−23 6.7	2.121	2.957	13.2	19.7
6 20	20 11.44	−23 29.7	2.027	2.944	10.3	19.4
6 30	20 5.38	−23 57.1	1.955	2.930	6.9	19.2
7 10	19 57.66	−24 25.6	1.909	2.916	3.3	19.0
7 20	19 49.02	−24 51.9	1.889	2.903	1.6	18.8
7 30	19 40.40	−25 12.8	1.896	2.889	5.2	19.0
8 9	19 32.77	−25 26.5	1.930	2.876	8.9	19.2
8 19	19 26.94	−25 32.6	1.987	2.862	12.2	19.4

17296 3541 P–L 7 18.1 334°.03 1°.4/17.8 18 R

6 10	20 14.51	−25 4.9	1.571	2.429	16.0	16.6
6 20	20 11.64	−24 51.7	1.476	2.404	12.6	16.3
6 30	20 5.97	−24 39.0	1.401	2.380	8.6	16.0
7 10	19 58.08	−24 24.1	1.348	2.357	4.1	15.7
7 20	19 48.92	−24 4.4	1.320	2.335	1.7	15.5
7 30	19 39.79	−23 38.0	1.317	2.314	6.3	15.7
8 9	19 32.02	−23 5.0	1.338	2.294	11.0	15.9
8 19	19 26.64	−22 26.8	1.380	2.276	15.2	16.1

87235 2000 OM_{44} 7 18.1 200°.51 2°.7/17.3 18 R

6 10	20 23.39	−28 25.2	2.060	2.888	13.8	17.8
6 20	20 17.68	−28 33.1	1.975	2.886	10.9	17.6
6 30	20 9.52	−28 39.8	1.913	2.882	7.5	17.3
7 10	19 59.53	−28 41.6	1.875	2.879	4.0	17.1
7 20	19 48.65	−28 35.1	1.865	2.875	2.9	17.0
7 30	19 38.00	−28 18.6	1.884	2.870	5.9	17.2
8 9	19 28.68	−27 52.3	1.928	2.866	9.4	17.4
8 19	19 21.50	−27 18.2	1.997	2.860	12.7	17.6

215148 1999 VJ_{69} 7 18.1 344°.90 9°.5/20.8 17

6 10	20 11.10	− 5 13.0	1.142	1.984	21.7	19.3
6 20	20 9.44	− 3 56.7	1.070	1.973	18.4	19.1
6 30	20 4.71	− 2 59.8	1.014	1.964	14.7	18.8
7 10	19 57.57	− 2 27.3	0.977	1.956	11.2	18.6
7 20	19 49.07	− 2 22.6	0.959	1.950	9.5	18.5
7 30	19 40.66	− 2 45.3	0.963	1.944	10.8	18.5
8 9	19 33.82	− 3 30.5	0.986	1.940	14.2	18.7
8 19	19 29.68	− 4 30.7	1.028	1.938	18.1	18.9

469679 2004 XU_{88} 7 18.1 275°.05 0°.7/18.4 18

6 10	20 19.06	−18 35.2	2.034	2.858	14.1	22.0
6 20	20 14.57	−18 35.1	1.922	2.830	11.2	21.8
6 30	20 7.67	−18 41.2	1.831	2.801	7.7	21.5
7 10	19 58.84	−18 52.0	1.764	2.771	3.7	21.2
7 20	19 48.79	−19 5.0	1.725	2.741	1.0	20.9
7 30	19 38.57	−19 17.8	1.713	2.710	5.2	21.2
8 9	19 29.28	−19 28.5	1.728	2.678	9.4	21.4
8 19	19 21.86	−19 35.9	1.767	2.646	13.3	21.5

96707 1999 JQ_{119} 7 18.1 30°.38 5°.1/16.0 18

6 10	20 18.30	−27 9.6	1.234	2.103	18.8	18.9
6 20	20 15.22	−28 25.4	1.175	2.108	14.7	18.7
6 30	20 8.65	−29 46.7	1.134	2.113	10.2	18.5
7 10	19 59.37	−31 4.2	1.115	2.118	6.1	18.2
7 20	19 48.69	−32 8.6	1.119	2.125	5.6	18.2
7 30	19 38.34	−32 52.7	1.147	2.131	9.2	18.5
8 9	19 29.98	−33 14.5	1.197	2.138	13.5	18.7
8 19	19 24.73	−33 15.9	1.266	2.145	17.5	19.0

309621 2008 CJ_{56} 7 18.1 75°.26 1°.8/18.9 17

6 10	20 18.91	−15 29.5	1.471	2.310	17.9	20.7
6 20	20 14.69	−15 33.1	1.409	2.323	14.1	20.5
6 30	20 7.72	−15 48.4	1.365	2.336	9.7	20.3
7 10	19 58.76	−16 13.1	1.345	2.350	4.9	20.0
7 20	19 48.86	−16 43.9	1.349	2.363	1.9	19.8
7 30	19 39.32	−17 16.8	1.378	2.376	5.9	20.1
8 9	19 31.37	−17 48.3	1.433	2.390	10.4	20.4
8 19	19 25.85	−18 16.0	1.509	2.403	14.3	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
398867 2013 CV_{58}			7 18.1 120°.18		2°.3/17.2 18	
	h m	° ′			°	m
6 10	20 18.77	−27 36.5	2.321	3.151	12.4	20.9
6 20	20 13.75	−27 48.2	2.244	3.156	9.7	20.7
6 30	20 6.69	−27 59.5	2.190	3.161	6.6	20.5
7 10	19 58.18	−28 7.3	2.161	3.165	3.5	20.3
7 20	19 49.00	−28 8.9	2.160	3.170	2.5	20.3
7 30	19 40.05	−28 2.6	2.188	3.175	5.1	20.4
8 9	19 32.22	−27 48.2	2.242	3.179	8.3	20.6
8 19	19 26.17	−27 26.7	2.320	3.184	11.1	20.8
195432 2002 GY_{61}			7 18.1 298°.24		8°.9/13.9 17	
6 10	20 23.40	−41 14.0	1.796	2.627	15.4	19.9
6 20	20 18.71	−42 32.3	1.729	2.625	12.9	19.7
6 30	20 10.76	−43 42.9	1.682	2.622	10.6	19.6
7 10	20 0.29	−44 37.0	1.659	2.620	9.1	19.5
7 20	19 48.49	−45 7.2	1.659	2.618	9.3	19.5
7 30	19 36.97	−45 9.7	1.684	2.616	11.0	19.6
8 9	19 27.26	−44 45.8	1.731	2.614	13.5	19.8
8 19	19 20.43	−44 0.0	1.799	2.612	16.0	19.9
329215 2012 DK_{76}			7 18.1 195°.29		1°.4/17.7 17	
6 10	20 21.38	−22 55.2	1.650	2.490	16.2	21.3
6 20	20 16.67	−23 15.0	1.571	2.489	12.6	21.1
6 30	20 9.15	−23 40.0	1.512	2.488	8.5	20.9
7 10	19 59.48	−24 5.9	1.478	2.486	4.0	20.6
7 20	19 48.68	−24 28.3	1.469	2.483	1.8	20.4
7 30	19 38.08	−24 43.8	1.487	2.481	6.1	20.7
8 9	19 28.94	−24 50.5	1.530	2.478	10.6	21.0
8 19	19 22.25	−24 48.8	1.595	2.475	14.5	21.2
198428 2004 VX_{89}			7 18.2 227°.47		4°.3/19.7 18	
6 10	20 17.91	− 9 45.9	2.135	2.933	14.4	20.7
6 20	20 13.23	− 9 10.9	2.041	2.925	11.8	20.5
6 30	20 6.48	− 8 45.6	1.968	2.916	8.8	20.3
7 10	19 58.16	− 8 30.9	1.919	2.907	5.8	20.1
7 20	19 49.00	− 8 26.6	1.897	2.898	4.3	20.0
7 30	19 39.87	− 8 32.1	1.903	2.888	6.0	20.1
8 9	19 31.70	− 8 45.4	1.935	2.878	9.0	20.2
8 19	19 25.23	− 9 4.1	1.991	2.868	12.2	20.4
31152 Daishinsai			7 18.2 167°.07		5°.5/15.1 18	
6 10	20 23.38	−34 30.1	2.238	3.062	13.0	19.1
6 20	20 17.76	−35 38.7	2.165	3.067	10.4	19.0
6 30	20 9.64	−36 44.7	2.115	3.071	7.8	18.8
7 10	19 59.64	−37 41.8	2.092	3.075	5.8	18.7
7 20	19 48.66	−38 24.3	2.095	3.078	5.8	18.7
7 30	19 37.83	−38 48.8	2.126	3.081	7.7	18.8
8 9	19 28.29	−38 54.8	2.183	3.083	10.3	19.0
8 19	19 20.89	−38 44.6	2.262	3.084	12.8	19.2
260574 2005 EO_{266}			7 18.2 62°.05		3°.7/16.9 17	
6 10	20 21.29	−27 23.6	1.401	2.256	17.7	20.4
6 20	20 17.01	−27 57.8	1.338	2.264	13.8	20.2
6 30	20 9.52	−28 33.8	1.295	2.272	9.5	20.0
7 10	19 59.66	−29 5.4	1.275	2.280	5.2	19.7
7 20	19 48.67	−29 26.4	1.279	2.288	4.0	19.7
7 30	19 38.11	−29 33.3	1.308	2.296	7.6	19.9
8 9	19 29.43	−29 25.6	1.360	2.305	11.9	20.2
8 19	19 23.61	−29 5.6	1.434	2.313	15.8	20.5
204148 2003 YF_{111}			7 18.2 321°.37		0°.3/18.0 17	
6 10	20 15.72	−19 4.3	1.905	2.741	14.5	20.5
6 20	20 11.86	−19 36.5	1.824	2.740	11.3	20.3
6 30	20 5.72	−20 17.1	1.765	2.739	7.6	20.1
7 10	19 57.86	−21 2.8	1.730	2.738	3.5	19.8
7 20	19 49.07	−21 49.5	1.721	2.737	0.9	19.6
7 30	19 40.39	−22 33.1	1.740	2.736	5.1	19.9
8 9	19 32.84	−23 10.6	1.785	2.736	9.1	20.2
8 19	19 27.21	−23 40.3	1.853	2.735	12.7	20.4
480343 2015 KM_{8}			7 18.2 0°.71		2°.0/18.8 16	
6 10	20 11.93	−17 6.8	1.322	2.184	18.2	20.7
6 20	20 9.70	−16 47.1	1.253	2.181	14.4	20.5
6 30	20 4.64	−16 36.9	1.202	2.179	9.9	20.2
7 10	19 57.45	−16 35.3	1.172	2.179	5.1	20.0
7 20	19 49.18	−16 40.3	1.165	2.180	2.1	19.8
7 30	19 41.16	−16 49.4	1.183	2.183	6.3	20.0
8 9	19 34.68	−16 59.7	1.222	2.186	11.0	20.3
8 19	19 30.68	−17 9.3	1.283	2.192	15.3	20.6
446581 2014 OM_{223}			7 18.2 216°.05		0°.4/17.8 18	
6 10	20 13.29	−19 34.2	2.976	3.793	10.3	21.5
6 20	20 9.18	−20 16.6	2.882	3.788	8.0	21.4
6 30	20 3.54	−21 4.6	2.812	3.782	5.3	21.2
7 10	19 56.76	−21 55.8	2.770	3.777	2.4	21.0
7 20	19 49.36	−22 47.2	2.756	3.771	0.8	20.8
7 30	19 41.96	−23 36.0	2.772	3.765	3.7	21.0
8 9	19 35.22	−24 20.0	2.817	3.759	6.6	21.2
8 19	19 29.68	−24 57.5	2.887	3.753	9.1	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
367678 2010 MY_{56}			7 18.2 338°.24		4°.7/19.9 17	
	h m	° ′			°	m
6 10	20 5.47	−10 58.7	0.964	1.844	21.9	20.0
6 20	20 5.70	−10 50.5	0.888	1.823	17.9	19.7
6 30	20 2.64	−11 5.1	0.827	1.804	13.1	19.3
7 10	19 56.82	−11 44.1	0.783	1.787	7.9	19.0
7 20	19 49.30	−12 45.5	0.759	1.771	4.7	18.7
7 30	19 41.68	−14 2.9	0.755	1.757	8.1	18.9
8 9	19 35.74	−15 27.1	0.771	1.746	13.8	19.1
8 19	19 32.86	−16 49.0	0.804	1.736	19.1	19.4
481091 2005 SU_{174}			7 18.2 231°.11		2°.1/17.2 18	
6 10	20 17.68	−26 48.4	2.343	3.173	12.3	22.0
6 20	20 13.00	−27 4.8	2.257	3.170	9.6	21.8
6 30	20 6.27	−27 21.8	2.194	3.166	6.5	21.6
7 10	19 58.05	−27 36.3	2.157	3.162	3.4	21.4
7 20	19 49.08	−27 45.2	2.148	3.158	2.4	21.3
7 30	19 40.25	−27 46.6	2.166	3.154	5.1	21.5
8 9	19 32.46	−27 39.7	2.212	3.150	8.3	21.7
8 19	19 26.39	−27 25.3	2.281	3.146	11.3	21.9
357212 2002 GV_{143}			7 18.2 126°.50		7°.0/23.2 18	
6 10	20 14.00	+ 5 48.1	3.062	3.765	12.4	21.8
6 20	20 9.43	+ 6 27.1	2.988	3.782	10.8	21.7
6 30	20 3.52	+ 6 51.7	2.934	3.798	9.2	21.7
7 10	19 56.69	+ 7 0.3	2.904	3.813	7.8	21.6
7 20	19 49.41	+ 6 52.5	2.898	3.828	7.1	21.5
7 30	19 42.26	+ 6 29.1	2.919	3.842	7.2	21.6
8 9	19 35.79	+ 5 52.1	2.966	3.856	8.2	21.7
8 19	19 30.45	+ 5 4.9	3.038	3.870	9.6	21.8
483243 2015 RT_{192}			7 18.2 292°.45		3°.3/19.9 18	
6 10	20 12.78	− 9 49.4	2.330	3.134	13.2	21.5
6 20	20 9.24	− 9 48.2	2.222	3.112	10.7	21.3
6 30	20 3.85	− 9 58.4	2.136	3.089	7.9	21.1
7 10	19 57.01	−10 19.8	2.074	3.067	5.0	20.8
7 20	19 49.32	−10 51.2	2.039	3.044	3.3	20.7
7 30	19 41.54	−11 30.6	2.031	3.022	5.1	20.8
8 9	19 34.51	−12 15.0	2.049	3.000	8.2	20.9
8 19	19 28.91	−13 1.2	2.093	2.977	11.3	21.1
499475 2010 JC_{38}			7 18.2 356°.53		0°.5/17.9 17	
6 10	20 1.88	−14 33.7	0.798	1.702	22.8	19.8
6 20	20 3.33	−15 51.3	0.739	1.693	18.0	19.4
6 30	20 1.23	−17 39.0	0.697	1.687	12.2	19.1
7 10	19 56.22	−19 50.4	0.671	1.683	5.6	18.7
7 20	19 49.50	−22 12.7	0.665	1.681	1.5	18.4
7 30	19 42.92	−24 29.3	0.679	1.682	8.4	18.9
8 9	19 38.40	−26 26.3	0.711	1.685	14.8	19.2
8 19	19 37.25	−27 55.8	0.760	1.691	20.2	19.6
98577 2000 WF_{39}			7 18.2 43°.91		3°.5/16.1 18	
6 10	20 17.15	−23 56.5	1.641	2.490	15.8	18.6
6 20	20 13.51	−25 28.4	1.572	2.495	12.3	18.4
6 30	20 7.14	−27 8.8	1.525	2.501	8.3	18.2
7 10	19 58.64	−28 50.0	1.502	2.507	4.6	18.0
7 20	19 48.97	−30 23.6	1.506	2.513	4.0	18.0
7 30	19 39.42	−31 42.5	1.536	2.519	7.4	18.2
8 9	19 31.25	−32 42.6	1.591	2.526	11.3	18.4
8 19	19 25.46	−33 23.4	1.668	2.532	14.7	18.7
371632 2007 AE_{15}			7 18.2 296°.05		0°.8/18.5 17	
6 10	20 16.10	−17 21.1	1.497	2.344	17.2	21.0
6 20	20 13.08	−17 36.2	1.400	2.320	13.7	20.7
6 30	20 7.14	−18 3.2	1.321	2.297	9.5	20.4
7 10	19 58.79	−18 39.9	1.265	2.273	4.6	20.1
7 20	19 48.91	−19 22.3	1.233	2.249	1.1	19.8
7 30	19 38.82	−20 5.7	1.227	2.225	6.3	20.1
8 9	19 29.98	−20 45.5	1.244	2.202	11.5	20.3
8 19	19 23.57	−21 19.0	1.282	2.179	16.2	20.5
416747 2005 EH_{99}			7 18.2 198°.85		2°.0/18.9 17	
6 10	20 20.59	−14 55.9	1.866	2.684	15.5	22.1
6 20	20 15.67	−14 55.5	1.779	2.681	12.3	21.9
6 30	20 8.32	−15 4.9	1.712	2.677	8.6	21.7
7 10	19 59.10	−15 22.5	1.670	2.673	4.5	21.4
7 20	19 48.88	−15 46.1	1.654	2.668	2.0	21.3
7 30	19 38.74	−16 12.8	1.666	2.662	5.4	21.5
8 9	19 29.78	−16 39.7	1.705	2.656	9.5	21.7
8 19	19 22.86	−17 4.8	1.767	2.649	13.2	21.9
32413 2000 RR_{26}			7 18.2 20°.53		1°.8/18.8 18	
6 10	20 16.62	−16 52.8	1.958	2.785	14.5	17.9
6 20	20 12.35	−16 28.8	1.879	2.787	11.4	17.7
6 30	20 5.91	−16 11.0	1.821	2.790	7.9	17.5
7 10	19 57.92	−15 58.8	1.788	2.792	4.1	17.3
7 20	19 49.16	−15 50.9	1.782	2.795	1.9	17.1
7 30	19 40.61	−15 46.3	1.802	2.798	5.0	17.3
8 9	19 33.21	−15 43.5	1.849	2.802	8.7	17.6
8 19	19 27.67	−15 41.6	1.919	2.806	12.1	17.8

228565 2001 XQ_{188} 7 18.2 236°.29 0°.2/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 16.99	−17 39.3	1.851	2.683	15.0	20.4
6 20	20 12.99	−18 12.8	1.765	2.678	11.8	20.2
6 30	20 6.59	−18 56.5	1.699	2.672	8.0	19.9
7 10	19 58.34	−19 47.3	1.658	2.666	3.7	19.7
7 20	19 49.05	−20 40.9	1.644	2.660	0.8	19.4
7 30	19 39.78	−21 32.7	1.657	2.653	5.3	19.7
8 9	19 31.64	−22 18.9	1.695	2.647	9.5	20.0
8 19	19 25.51	−22 57.3	1.757	2.640	13.2	20.2

326194 2012 CB_{9} 7 18.2 285°.69 1°.4/17.5 18

6 10	20 16.22	−24 52.3	2.408	3.238	12.0	20.9
6 20	20 11.77	−25 2.7	2.323	3.236	9.3	20.7
6 30	20 5.41	−25 14.6	2.261	3.233	6.3	20.5
7 10	19 57.66	−25 25.4	2.224	3.231	3.0	20.3
7 20	19 49.22	−25 32.7	2.216	3.229	1.7	20.2
7 30	19 40.92	−25 34.5	2.235	3.227	4.6	20.4
8 9	19 33.59	−25 30.1	2.281	3.224	7.9	20.6
8 19	19 27.88	−25 19.7	2.352	3.222	10.8	20.8

228622 2002 CR_{97} 7 18.2 182°.39 0°.1/18.2 18

6 10	20 18.51	−18 47.7	2.206	3.026	13.3	21.2
6 20	20 13.69	−19 9.7	2.120	3.027	10.4	21.0
6 30	20 6.79	−19 38.5	2.057	3.027	7.0	20.8
7 10	19 58.33	−20 11.3	2.020	3.027	3.2	20.6
7 20	19 49.07	−20 45.2	2.011	3.026	0.7	20.3
7 30	19 39.90	−21 17.1	2.029	3.025	4.6	20.6
8 9	19 31.74	−21 44.6	2.076	3.023	8.3	20.9
8 19	19 25.32	−22 6.5	2.146	3.021	11.5	21.1

424481 2008 DV_{3} 7 18.2 270°.54 0°.3/18.3 18

6 10	20 18.17	−17 59.9	1.599	2.439	16.6	21.5
6 20	20 14.46	−18 22.1	1.504	2.422	13.2	21.3
6 30	20 7.93	−18 55.4	1.429	2.404	9.0	21.0
7 10	19 59.10	−19 36.9	1.378	2.385	4.3	20.7
7 20	19 48.86	−20 22.2	1.351	2.367	0.9	20.4
7 30	19 38.49	−21 6.6	1.351	2.348	6.1	20.7
8 9	19 29.37	−21 45.8	1.375	2.329	11.0	20.9
8 19	19 22.60	−22 17.6	1.421	2.310	15.3	21.1

342564 2008 US_{251} 7 18.2 69°.57 3°.7/16.6 18

6 10	20 18.96	−28 10.3	1.802	2.646	14.8	20.7
6 20	20 14.66	−28 54.4	1.729	2.648	11.6	20.5
6 30	20 7.73	−29 40.0	1.678	2.651	8.0	20.3
7 10	19 58.84	−30 21.5	1.651	2.653	4.7	20.1
7 20	19 48.95	−30 53.8	1.649	2.655	4.0	20.1
7 30	19 39.28	−31 12.9	1.675	2.658	6.9	20.3
8 9	19 31.01	−31 18.0	1.725	2.660	10.5	20.5
8 19	19 25.01	−31 10.1	1.797	2.663	13.8	20.7

19353 Pierrethierry 7 18.2 62°.36 1°.6/17.3 18

6 10	20 17.18	−20 42.9	1.671	2.514	15.8	17.9
6 20	20 13.23	−21 46.7	1.608	2.529	12.2	17.7
6 30	20 6.74	−22 59.3	1.567	2.543	8.1	17.5
7 10	19 58.37	−24 15.0	1.550	2.558	3.8	17.2
7 20	19 49.07	−25 27.5	1.559	2.573	2.1	17.2
7 30	19 40.02	−26 31.0	1.596	2.588	6.0	17.5
8 9	19 32.36	−27 22.0	1.657	2.603	10.1	17.7
8 19	19 26.94	−27 59.3	1.741	2.618	13.6	18.0

257369 2009 OF_{24} 7 18.2 240°.53 2°.4/17.1 18

6 10	20 17.49	−27 57.5	2.428	3.258	11.9	20.4
6 20	20 12.78	−28 12.5	2.344	3.256	9.3	20.2
6 30	20 6.10	−28 27.1	2.283	3.253	6.4	20.0
7 10	19 57.98	−28 38.4	2.247	3.251	3.5	19.9
7 20	19 49.16	−28 43.4	2.239	3.248	2.6	19.8
7 30	19 40.50	−28 40.3	2.260	3.246	5.1	20.0
8 9	19 32.85	−28 28.9	2.307	3.243	8.1	20.1
8 19	19 26.89	−28 9.8	2.378	3.241	11.0	20.3

506442 2001 AW_{19} 7 18.2 287°.15 1°.6/18.3 18

6 10	20 29.72	−21 50.8	1.569	2.396	17.5	21.4
6 20	20 23.85	−20 46.4	1.453	2.362	14.1	21.1
6 30	20 14.52	−19 38.2	1.357	2.326	9.9	20.7
7 10	20 2.27	−18 24.6	1.285	2.291	4.9	20.4
7 20	19 48.13	−17 5.7	1.240	2.254	1.9	20.1
7 30	19 33.70	−15 43.6	1.222	2.217	7.0	20.3
8 9	19 20.67	−14 21.9	1.232	2.180	12.6	20.5
8 19	19 10.44	−13 4.7	1.264	2.142	17.6	20.7

38521 1999 TG_{262} 7 18.2 16°.94 6°.3/15.9 18

6 10	20 21.42	−37 58.2	1.996	2.827	14.1	18.4
6 20	20 16.44	−38 28.8	1.927	2.830	11.5	18.2
6 30	20 8.81	−38 52.4	1.879	2.833	8.8	18.0
7 10	19 59.27	−39 3.0	1.856	2.836	6.7	17.9
7 20	19 48.89	−38 56.5	1.858	2.840	6.5	17.9
7 30	19 38.90	−38 31.1	1.885	2.844	8.3	18.0
8 9	19 30.47	−37 48.6	1.938	2.849	10.9	18.2
8 19	19 24.40	−36 52.4	2.013	2.854	13.5	18.4

384269 2009 FU_{74} 7 18.2 141°.41 18°.8/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 38.58	−52 48.9	1.177	1.998	22.5	20.4
6 20	20 34.68	−56 0.1	1.141	2.003	20.5	20.3
6 30	20 24.10	−58 51.0	1.123	2.008	19.2	20.2
7 10	20 7.39	−61 1.1	1.123	2.013	18.8	20.2
7 20	19 46.95	−62 14.0	1.141	2.017	19.5	20.3
7 30	19 27.01	−62 24.3	1.176	2.021	21.0	20.4
8 9	19 11.66	−61 39.9	1.226	2.025	22.8	20.6
8 19	19 3.02	−60 15.6	1.288	2.028	24.7	20.7

404737 2014 JV_{25} 7 18.2 285°.61 7°.8/23.1 17

6 10	20 16.44	+ 2 26.1	1.180	1.980	23.6	20.3
6 20	20 13.94	+ 1 34.4	1.090	1.967	20.2	20.0
6 30	20 8.10	− 0 0.8	1.016	1.953	16.1	19.7
7 10	19 59.39	− 2 23.4	0.960	1.939	11.5	19.4
7 20	19 48.78	− 5 30.1	0.927	1.926	8.0	19.1
7 30	19 37.78	− 9 8.6	0.919	1.912	9.1	19.1
8 9	19 28.18	−12 58.7	0.936	1.899	13.7	19.3
8 19	19 21.45	−16 40.7	0.976	1.886	18.8	19.6

297587 2001 SN_{78} 7 18.2 243°.46 0°.8/18.6 18

6 10	20 15.52	−17 16.6	2.163	2.987	13.4	21.3
6 20	20 11.43	−17 27.6	2.075	2.983	10.5	21.1
6 30	20 5.31	−17 46.0	2.009	2.978	7.2	20.9
7 10	19 57.68	−18 10.0	1.968	2.974	3.5	20.7
7 20	19 49.24	−18 37.0	1.954	2.969	1.0	20.5
7 30	19 40.87	−19 4.4	1.967	2.964	4.6	20.7
8 9	19 33.47	−19 29.8	2.008	2.959	8.2	20.9
8 19	19 27.75	−19 51.5	2.073	2.954	11.5	21.1

314383 2005 UZ_{99} 7 18.2 224°.37 0°.4/17.9 18

6 10	20 15.06	−20 37.0	2.686	3.507	11.2	22.3
6 20	20 10.72	−21 1.4	2.592	3.499	8.7	22.1
6 30	20 4.67	−21 30.5	2.520	3.491	5.8	21.9
7 10	19 57.34	−22 2.1	2.476	3.483	2.7	21.7
7 20	19 49.31	−22 33.4	2.459	3.474	0.8	21.5
7 30	19 41.32	−23 2.0	2.471	3.465	4.0	21.7
8 9	19 34.09	−23 26.0	2.512	3.456	7.2	21.9
8 19	19 28.23	−23 44.6	2.577	3.447	10.0	22.1

259056 2002 TM_{376} 7 18.2 172°.70 18°.0/11.9 18

6 10	20 45.44	−55 16.5	1.276	2.076	22.2	20.5
6 20	20 39.51	−57 28.1	1.232	2.079	20.2	20.3
6 30	20 26.77	−59 18.1	1.204	2.081	18.7	20.3
7 10	20 8.26	−60 28.0	1.193	2.082	18.0	20.2
7 20	19 46.85	−60 43.5	1.200	2.083	18.3	20.2
7 30	19 26.73	−60 0.9	1.225	2.083	19.6	20.3
8 9	19 11.48	−58 29.0	1.267	2.083	21.4	20.5
8 19	19 2.67	−56 23.0	1.324	2.082	23.3	20.6

34090 Cewhang 7 18.2 61°.80 4°.2/16.6 18

6 10	20 20.56	−26 37.3	1.306	2.167	18.4	18.7
6 20	20 16.75	−27 35.6	1.245	2.174	14.4	18.5
6 30	20 9.57	−28 38.4	1.204	2.182	9.9	18.2
7 10	19 59.81	−29 38.0	1.185	2.189	5.5	18.0
7 20	19 48.77	−30 26.2	1.189	2.197	4.6	18.0
7 30	19 38.10	−30 57.4	1.218	2.205	8.3	18.2
8 9	19 29.38	−31 10.1	1.270	2.213	12.7	18.5
8 19	19 23.67	−31 6.1	1.341	2.221	16.7	18.8

382405 1995 WQ_{24} 7 18.2 3°.25 2°.2/17.4 16

6 10	20 17.39	−25 10.2	1.520	2.375	16.6	21.0
6 20	20 13.78	−25 26.3	1.448	2.375	12.9	20.7
6 30	20 7.32	−25 45.4	1.397	2.375	8.7	20.5
7 10	19 58.71	−26 3.1	1.368	2.375	4.3	20.2
7 20	19 49.03	−26 15.2	1.363	2.376	2.5	20.1
7 30	19 39.62	−26 18.3	1.384	2.378	6.5	20.4
8 9	19 31.79	−26 11.7	1.429	2.380	10.9	20.6
8 19	19 26.46	−25 56.2	1.495	2.383	14.8	20.9

358427 2007 DZ_{13} 7 18.2 257°.24 1°.6/19.1 18

6 10	20 13.97	−13 45.6	2.398	3.210	12.6	21.1
6 20	20 10.09	−14 7.3	2.300	3.199	10.0	20.9
6 30	20 4.37	−14 38.9	2.224	3.187	7.0	20.7
7 10	19 57.26	−15 18.8	2.173	3.176	3.7	20.4
7 20	19 49.36	−16 4.7	2.150	3.164	1.6	20.3
7 30	19 41.44	−16 53.4	2.155	3.152	4.3	20.4
8 9	19 34.30	−17 41.8	2.188	3.139	7.7	20.6
8 19	19 28.61	−18 27.3	2.246	3.127	10.8	20.8

209539 2004 TW_{368} 7 18.2 67°.47 4°.0/19.4 17

6 10	20 19.84	−12 49.4	1.306	2.146	19.7	20.2
6 20	20 15.69	−12 21.8	1.247	2.158	15.7	20.0
6 30	20 8.55	−12 8.2	1.205	2.171	11.2	19.8
7 10	19 59.24	−12 8.3	1.184	2.184	6.5	19.6
7 20	19 48.93	−12 20.3	1.188	2.198	4.0	19.4
7 30	19 39.05	−12 41.2	1.215	2.211	6.9	19.7
8 9	19 30.93	−13 7.3	1.267	2.224	11.4	19.9
8 19	19 25.46	−13 35.1	1.339	2.238	15.4	20.2

148424 2000 WK_{114} 7 18.2 184°.99 2°.6/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 16.18	−12 53.3	2.729	3.526	11.6	20.4
6 20	20 11.39	−12 29.4	2.638	3.526	9.3	20.3
6 30	20 4.99	−12 12.1	2.571	3.526	6.7	20.1
7 10	19 57.45	−12 1.1	2.530	3.525	4.0	19.9
7 20	19 49.34	−11 55.8	2.517	3.524	2.6	19.8
7 30	19 41.32	−11 55.5	2.532	3.522	4.3	19.9
8 9	19 34.09	−11 59.0	2.576	3.521	7.0	20.1
8 19	19 28.18	−12 4.9	2.646	3.519	9.6	20.3

206576 2003 VE_{8} 7 18.2 308°.06 9°.4/14.2 18

6 10	20 22.39	−41 18.2	1.678	2.515	16.1	19.4
6 20	20 18.39	−42 26.1	1.595	2.495	13.6	19.2
6 30	20 10.89	−43 26.7	1.532	2.475	11.1	19.0
7 10	20 0.56	−44 10.9	1.491	2.456	9.6	18.8
7 20	19 48.60	−44 30.3	1.473	2.437	9.7	18.8
7 30	19 36.73	−44 20.2	1.478	2.418	11.7	18.9
8 9	19 26.69	−43 41.5	1.506	2.399	14.5	19.0
8 19	19 19.73	−42 39.2	1.553	2.381	17.4	19.2

33555 Nataliebush 7 18.2 92°.87 1°.8/18.7 18

6 10	20 22.08	−17 16.0	1.436	2.274	18.2	19.0
6 20	20 17.24	−17 0.0	1.372	2.287	14.3	18.8
6 30	20 9.50	−16 52.9	1.328	2.300	9.8	18.6
7 10	19 59.66	−16 53.0	1.306	2.312	4.9	18.3
7 20	19 48.85	−16 57.8	1.310	2.324	1.9	18.1
7 30	19 38.47	−17 4.9	1.339	2.336	6.1	18.5
8 9	19 29.81	−17 12.1	1.392	2.348	10.7	18.7
8 19	19 23.75	−17 18.2	1.468	2.360	14.8	19.0

315128 2007 EE_{91} 7 18.2 225°.40 8°.3/24.4 18

6 10	20 12.71	+10 55.4	3.070	3.741	12.9	22.2
6 20	20 8.65	+11 29.3	2.971	3.730	11.6	22.0
6 30	20 3.17	+11 46.9	2.891	3.720	10.3	21.9
7 10	19 56.63	+11 45.9	2.832	3.708	9.1	21.8
7 20	19 49.52	+11 25.2	2.796	3.696	8.4	21.8
7 30	19 42.39	+10 45.0	2.786	3.684	8.5	21.7
8 9	19 35.84	+ 9 47.8	2.800	3.672	9.3	21.8
8 19	19 30.39	+ 8 36.9	2.839	3.659	10.6	21.9

313272 2001 YM_{87} 7 18.2 114°.13 1°.6/19.0 17

6 10	20 17.48	−15 24.7	2.804	3.605	11.3	20.8
6 20	20 12.20	−15 11.2	2.732	3.625	8.9	20.7
6 30	20 5.41	−15 3.1	2.684	3.644	6.1	20.5
7 10	19 57.59	−14 59.7	2.662	3.663	3.3	20.4
7 20	19 49.32	−14 59.8	2.669	3.682	1.7	20.3
7 30	19 41.28	−15 2.4	2.706	3.700	3.8	20.5
8 9	19 34.09	−15 6.3	2.771	3.717	6.5	20.7
8 19	19 28.24	−15 10.6	2.862	3.734	9.0	20.9

187822 1999 UH_{7} 7 18.2 197°.86 9°.4/13.9 18

6 10	20 35.38	−48 4.1	2.285	3.069	14.0	20.0
6 20	20 27.70	−49 9.8	2.211	3.065	12.2	19.9
6 30	20 16.64	−50 3.7	2.159	3.060	10.5	19.8
7 10	20 3.00	−50 37.5	2.130	3.055	9.5	19.7
7 20	19 48.09	−50 44.8	2.127	3.048	9.6	19.7
7 30	19 33.58	−50 22.9	2.148	3.041	10.9	19.8
8 9	19 21.03	−49 34.3	2.194	3.033	12.7	19.9
8 19	19 11.51	−48 24.7	2.261	3.024	14.6	20.0

20815 2000 SZ_{318} 7 18.2 246°.87 1°.2/17.9 18

6 10	20 22.15	−25 3.3	1.811	2.647	15.1	18.3
6 20	20 17.01	−24 52.1	1.728	2.644	11.9	18.1
6 30	20 9.24	−24 41.3	1.667	2.640	8.0	17.9
7 10	19 59.55	−24 28.2	1.629	2.637	3.8	17.6
7 20	19 48.89	−24 10.2	1.619	2.633	1.6	17.5
7 30	19 38.48	−23 46.1	1.635	2.630	5.6	17.7
8 9	19 29.50	−23 16.3	1.678	2.626	9.8	18.0
8 19	19 22.79	−22 42.2	1.744	2.623	13.5	18.2

48960 Clouet 7 18.2 6°.07 1°.3/18.6 17

6 10	20 11.70	−18 23.9	1.025	1.906	20.8	18.3
6 20	20 10.26	−18 13.1	0.966	1.906	16.4	18.0
6 30	20 5.41	−18 13.5	0.924	1.907	11.2	17.7
7 10	19 57.97	−18 23.1	0.901	1.910	5.4	17.4
7 20	19 49.23	−18 38.3	0.899	1.915	1.5	17.2
7 30	19 40.87	−18 55.0	0.919	1.921	7.1	17.6
8 9	19 34.47	−19 9.8	0.960	1.929	12.6	17.9
8 19	19 31.08	−19 20.4	1.019	1.938	17.4	18.2

202267 2005 AZ_{69} 7 18.2 252°.53 0°.7/17.9 17

6 10	20 16.82	−20 39.0	1.915	2.751	14.4	20.7
6 20	20 12.79	−21 7.3	1.831	2.747	11.3	20.5
6 30	20 6.42	−21 42.5	1.768	2.743	7.6	20.3
7 10	19 58.27	−22 21.3	1.730	2.738	3.5	20.0
7 20	19 49.16	−22 59.7	1.719	2.734	1.2	19.8
7 30	19 40.14	−23 33.8	1.735	2.730	5.3	20.1
8 9	19 32.25	−24 1.2	1.776	2.725	9.3	20.3
8 19	19 26.33	−24 20.6	1.841	2.721	12.8	20.6

469860 2005 UE_{21} 7 18.2 188°.27 3°.3/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 14.47	−10 14.3	2.505	3.302	12.6	21.4
6 20	20 10.24	− 9 58.5	2.417	3.302	10.2	21.3
6 30	20 4.33	− 9 51.9	2.351	3.301	7.4	21.1
7 10	19 57.19	− 9 54.5	2.310	3.300	4.7	20.9
7 20	19 49.42	−10 5.5	2.296	3.300	3.3	20.8
7 30	19 41.75	−10 23.4	2.310	3.298	4.8	20.9
8 9	19 34.87	−10 46.3	2.351	3.297	7.5	21.1
8 19	19 29.39	−11 11.9	2.418	3.296	10.2	21.3

342471 2008 UU_{127} 7 18.2 323°.35 2°.9/19.2 18

6 10	20 14.25	−14 1.2	1.557	2.396	17.0	20.5
6 20	20 11.26	−13 46.8	1.470	2.384	13.6	20.2
6 30	20 5.66	−13 43.9	1.403	2.372	9.7	19.9
7 10	19 58.02	−13 52.0	1.358	2.360	5.4	19.7
7 20	19 49.22	−14 9.5	1.337	2.349	3.0	19.5
7 30	19 40.45	−14 33.8	1.341	2.338	6.1	19.7
8 9	19 32.93	−15 1.4	1.369	2.328	10.6	19.9
8 19	19 27.63	−15 29.4	1.419	2.318	14.7	20.1

134980 2001 FT_{54} 7 18.2 35°.86 3°.1/19.6 18

6 10	20 15.48	−11 49.2	1.329	2.172	19.2	19.3
6 20	20 12.41	−12 2.0	1.264	2.179	15.3	19.0
6 30	20 6.48	−12 32.5	1.217	2.186	10.8	18.8
7 10	19 58.37	−13 18.9	1.191	2.193	6.1	18.6
7 20	19 49.17	−14 17.1	1.188	2.201	3.1	18.4
7 30	19 40.21	−15 21.2	1.210	2.209	6.4	18.6
8 9	19 32.83	−16 25.2	1.256	2.217	11.1	18.9
8 19	19 27.96	−17 24.3	1.323	2.226	15.3	19.2

391867 2008 TE_{69} 7 18.2 258°.18 0°.4/18.0 18

6 10	20 17.27	−20 3.2	1.901	2.735	14.6	21.9
6 20	20 13.21	−20 25.5	1.811	2.726	11.4	21.7
6 30	20 6.77	−20 55.1	1.743	2.717	7.7	21.4
7 10	19 58.48	−21 28.9	1.699	2.707	3.6	21.2
7 20	19 49.16	−22 3.2	1.682	2.697	0.9	20.9
7 30	19 39.87	−22 34.4	1.691	2.687	5.3	21.2
8 9	19 31.69	−22 59.8	1.727	2.677	9.4	21.4
8 19	19 25.51	−23 18.2	1.786	2.667	13.1	21.7

121970 2000 EK_{112} 7 18.2 210°.34 0°.5/18.5 18

6 10	20 14.17	−17 59.9	2.827	3.641	10.8	20.9
6 20	20 9.90	−18 10.8	2.734	3.637	8.5	20.8
6 30	20 4.06	−18 26.8	2.665	3.633	5.7	20.6
7 10	19 57.08	−18 46.5	2.622	3.628	2.7	20.4
7 20	19 49.49	−19 7.9	2.608	3.623	0.7	20.2
7 30	19 41.96	−19 29.2	2.622	3.618	3.7	20.4
8 9	19 35.15	−19 48.7	2.664	3.612	6.6	20.6
8 19	19 29.61	−20 5.2	2.733	3.607	9.3	20.8

143403 2003 BT_{42} 7 18.2 215°.33 2°.3/19.1 18

6 10	20 17.08	−15 8.4	2.173	2.988	13.6	20.3
6 20	20 12.53	−14 42.9	2.087	2.987	10.8	20.2
6 30	20 6.00	−14 24.0	2.024	2.987	7.6	20.0
7 10	19 58.01	−14 11.3	1.985	2.986	4.2	19.7
7 20	19 49.28	−14 4.0	1.974	2.985	2.4	19.6
7 30	19 40.71	−14 1.1	1.990	2.984	4.8	19.8
8 9	19 33.14	−14 1.2	2.033	2.983	8.2	20.0
8 19	19 27.25	−14 3.2	2.100	2.982	11.4	20.2

353837 2012 UP_{150} 7 18.2 152°.92 0°.8/18.5 18

6 10	20 17.21	−18 7.8	2.007	2.834	14.2	21.3
6 20	20 12.85	−18 11.4	1.926	2.836	11.1	21.1
6 30	20 6.32	−18 21.7	1.867	2.838	7.5	20.9
7 10	19 58.19	−18 36.9	1.833	2.839	3.6	20.6
7 20	19 49.24	−18 54.5	1.825	2.840	1.0	20.4
7 30	19 40.46	−19 11.9	1.845	2.842	4.8	20.7
8 9	19 32.78	−19 27.3	1.891	2.843	8.6	20.9
8 19	19 26.96	−19 39.3	1.961	2.844	12.0	21.2

383301 2006 GR_{5} 7 18.2 214°.08 2°.8/16.8 17

6 10	20 19.01	−26 12.0	2.031	2.866	13.7	21.2
6 20	20 14.48	−26 56.7	1.947	2.862	10.7	21.0
6 30	20 7.57	−27 44.5	1.886	2.858	7.3	20.8
7 10	19 58.83	−28 30.8	1.849	2.853	4.0	20.6
7 20	19 49.10	−29 10.6	1.840	2.848	3.1	20.5
7 30	19 39.45	−29 40.2	1.858	2.843	6.1	20.7
8 9	19 30.95	−29 57.7	1.902	2.838	9.6	20.9
8 19	19 24.47	−30 3.4	1.969	2.832	12.9	21.1

248333 2005 QS_{43} 7 18.2 338°.85 2°.0/17.4 18

6 10	20 15.20	−24 52.5	1.732	2.582	15.1	20.4
6 20	20 11.86	−25 10.6	1.649	2.573	11.8	20.2
6 30	20 5.96	−25 31.9	1.588	2.565	8.0	19.9
7 10	19 58.13	−25 52.6	1.550	2.557	3.9	19.7
7 20	19 49.26	−26 8.8	1.537	2.550	2.3	19.5
7 30	19 40.52	−26 17.3	1.550	2.544	6.0	19.8
8 9	19 33.08	−26 16.7	1.588	2.538	10.1	20.0
8 19	19 27.81	−26 7.4	1.648	2.532	13.8	20.2

22157 Bryanhoran 7 18.2 126°.86 0°.2/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 15.64	−19 15.1	2.529	3.349	11.8	19.5
6 20	20 11.14	−19 27.9	2.451	3.357	9.2	19.3
6 30	20 4.92	−19 45.8	2.395	3.365	6.2	19.1
7 10	19 57.48	−20 6.6	2.366	3.373	2.9	18.9
7 20	19 49.43	−20 28.0	2.365	3.381	0.6	18.7
7 30	19 41.54	−20 48.1	2.392	3.388	4.0	19.0
8 9	19 34.53	−21 5.1	2.447	3.395	7.1	19.2
8 19	19 28.99	−21 18.1	2.527	3.402	10.0	19.4

480853 2000 YH_8 7 18.2 240°.81 1°.9/16.8 18

6 10	20 16.25	−24 39.8	2.864	3.685	10.5	22.3
6 20	20 11.73	−25 30.2	2.761	3.669	8.2	22.1
6 30	20 5.44	−26 24.3	2.683	3.653	5.6	21.9
7 10	19 57.80	−27 18.9	2.631	3.636	2.9	21.7
7 20	19 49.36	−28 10.2	2.609	3.619	2.2	21.6
7 30	19 40.84	−28 55.1	2.616	3.601	4.6	21.8
8 9	19 33.01	−29 31.4	2.652	3.583	7.5	21.9
8 19	19 26.51	−29 58.2	2.712	3.564	10.1	22.1

515874 2015 PK_3 7 18.2 323°.06 0°.5/18.5 18

6 10	20 12.42	−15 58.5	1.858	2.695	14.8	20.5
6 20	20 9.54	−16 42.0	1.765	2.680	11.7	20.3
6 30	20 4.38	−17 38.4	1.692	2.665	8.0	20.0
7 10	19 57.44	−18 44.7	1.644	2.651	3.8	19.8
7 20	19 49.43	−19 56.5	1.622	2.637	0.8	19.5
7 30	19 41.35	−21 8.5	1.626	2.624	5.2	19.8
8 9	19 34.27	−22 15.7	1.657	2.611	9.4	20.0
8 19	19 29.05	−23 14.5	1.711	2.599	13.2	20.2

295388 2008 JD_5 7 18.2 329°.82 9°.4/14.4 17

6 10	20 19.22	−37 6.2	1.328	2.190	18.1	20.0
6 20	20 16.44	−38 30.7	1.258	2.178	15.0	19.7
6 30	20 9.87	−39 51.6	1.207	2.168	11.8	19.5
7 10	20 0.22	−40 57.8	1.177	2.158	9.6	19.4
7 20	19 48.81	−41 39.3	1.170	2.149	9.8	19.3
7 30	19 37.58	−41 49.6	1.184	2.141	12.3	19.5
8 9	19 28.42	−41 29.3	1.219	2.133	15.6	19.6
8 19	19 22.68	−40 43.4	1.272	2.126	19.0	19.8

130977 2000 WO_{123} 7 18.2 277°.56 1°.7/17.5 18

6 10	20 18.38	−23 19.8	1.873	2.712	14.6	20.3
6 20	20 14.35	−23 48.3	1.773	2.690	11.5	20.1
6 30	20 7.73	−24 22.4	1.693	2.668	7.8	19.8
7 10	19 59.03	−24 58.2	1.639	2.646	3.8	19.5
7 20	19 49.08	−25 31.3	1.610	2.623	2.0	19.4
7 30	19 39.02	−25 57.5	1.608	2.601	6.0	19.6
8 9	19 30.05	−26 14.5	1.632	2.578	10.2	19.8
8 19	19 23.18	−26 21.7	1.678	2.555	14.1	20.0

467541 2007 TF_1 7 18.2 262°.16 2°.5/19.1 17

6 10	20 18.89	−14 25.9	1.557	2.389	17.3	21.8
6 20	20 15.03	−14 21.4	1.463	2.374	13.9	21.5
6 30	20 8.34	−14 28.8	1.390	2.358	9.8	21.2
7 10	19 59.36	−14 47.4	1.339	2.342	5.3	20.9
7 20	19 49.01	−15 14.6	1.312	2.326	2.5	20.7
7 30	19 38.57	−15 47.2	1.312	2.309	6.3	20.9
8 9	19 29.40	−16 21.3	1.336	2.292	11.0	21.1
8 19	19 22.60	−16 53.9	1.382	2.275	15.4	21.3

511318 2014 DV_{120} 7 18.2 281°.83 5°.0/20.7 18

6 10	20 14.48	− 6 10.9	1.895	2.695	15.9	21.5
6 20	20 11.05	− 6 9.3	1.794	2.676	13.2	21.3
6 30	20 5.37	− 6 24.5	1.712	2.657	10.1	21.0
7 10	19 57.91	− 6 57.2	1.653	2.638	6.9	20.8
7 20	19 49.35	− 7 46.4	1.619	2.619	5.0	20.7
7 30	19 40.68	− 8 49.1	1.611	2.599	6.5	20.7
8 9	19 32.92	−10 0.5	1.629	2.580	9.9	20.9
8 19	19 26.94	−11 15.5	1.671	2.560	13.4	21.0

62224 2000 SJ_{67} 7 18.2 358°.34 3°.2/17.1 18

6 10	20 18.12	−26 44.4	1.495	2.351	16.7	19.1
6 20	20 14.52	−27 14.1	1.423	2.350	13.1	18.9
6 30	20 7.94	−27 46.3	1.372	2.349	9.0	18.6
7 10	19 59.11	−28 15.7	1.342	2.348	4.8	18.4
7 20	19 49.11	−28 36.7	1.338	2.348	3.5	18.3
7 30	19 39.37	−28 45.6	1.358	2.348	7.2	18.5
8 9	19 31.25	−28 41.5	1.402	2.349	11.4	18.8
8 19	19 25.74	−28 25.6	1.468	2.351	15.3	19.0

280277 2003 CD_8 7 18.2 109°.19 4°.4/16.5 17

6 10	20 22.65	−30 22.6	1.770	2.609	15.3	20.2
6 20	20 17.55	−31 5.6	1.705	2.620	12.0	20.0
6 30	20 9.69	−31 47.7	1.661	2.630	8.4	19.8
7 10	19 59.81	−32 22.7	1.642	2.641	5.3	19.6
7 20	19 48.98	−32 45.4	1.649	2.651	4.7	19.6
7 30	19 38.51	−32 52.7	1.682	2.660	7.3	19.8
8 9	19 29.63	−32 44.5	1.740	2.670	10.8	20.0
8 19	19 23.21	−32 23.2	1.820	2.679	13.9	20.2

183879 2004 CM_{54} 7 18.2 211°.18 0°.4/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 20.47	−18 57.3	1.896	2.722	14.9	21.1
6 20	20 15.66	−19 6.6	1.807	2.717	11.7	20.9
6 30	20 8.39	−19 23.0	1.740	2.711	8.0	20.6
7 10	19 59.25	−19 43.9	1.697	2.704	3.7	20.4
7 20	19 49.08	−20 6.3	1.682	2.697	0.8	20.1
7 30	19 38.99	−20 27.1	1.693	2.690	5.2	20.4
8 9	19 30.07	−20 44.2	1.731	2.682	9.4	20.7
8 19	19 23.22	−20 56.4	1.793	2.673	13.1	20.9

41656 2000 SH_{303} 7 18.2 161°.33 1°.9/19.1 18

6 10	20 18.73	−14 43.9	2.254	3.063	13.4	20.3
6 20	20 13.73	−14 42.3	2.172	3.069	10.6	20.1
6 30	20 6.78	−14 48.6	2.112	3.074	7.4	19.9
7 10	19 58.40	−15 1.7	2.077	3.079	3.9	19.7
7 20	19 49.30	−15 19.6	2.070	3.083	1.9	19.6
7 30	19 40.35	−15 40.4	2.092	3.087	4.6	19.7
8 9	19 32.40	−16 1.8	2.141	3.090	7.9	20.0
8 19	19 26.11	−16 22.1	2.215	3.093	11.1	20.2

117203 2004 RH_{188} 7 18.2 239°.33 3°.3/19.9 18

6 10	20 14.12	− 9 41.6	2.761	3.551	11.7	21.1
6 20	20 9.90	− 9 25.2	2.660	3.540	9.5	20.9
6 30	20 4.11	− 9 17.4	2.582	3.529	7.0	20.7
7 10	19 57.16	− 9 18.2	2.529	3.517	4.6	20.5
7 20	19 49.56	− 9 27.2	2.503	3.505	3.3	20.4
7 30	19 41.99	− 9 43.1	2.507	3.493	4.6	20.5
8 9	19 35.09	−10 4.1	2.537	3.481	7.1	20.7
8 19	19 29.43	−10 28.4	2.593	3.468	9.7	20.8

146909 2002 CL_{151} 7 18.2 160°.04 0°.0/18.2 18

6 10	20 14.78	−17 45.1	2.509	3.327	11.9	20.1
6 20	20 10.61	−18 26.1	2.424	3.330	9.3	20.0
6 30	20 4.67	−19 14.6	2.363	3.333	6.2	19.8
7 10	19 57.44	−20 8.0	2.328	3.335	2.9	19.5
7 20	19 49.51	−21 2.7	2.321	3.337	0.6	19.4
7 30	19 41.64	−21 55.5	2.344	3.339	4.1	19.6
8 9	19 34.59	−22 43.5	2.394	3.341	7.3	19.8
8 19	19 28.98	−23 24.8	2.469	3.342	10.2	20.0

513818 2013 EX_9 7 18.2 169°.47 4°.1/20.5 18

6 10	20 14.33	− 7 14.2	2.508	3.293	12.8	22.3
6 20	20 10.14	− 7 1.2	2.421	3.295	10.5	22.2
6 30	20 4.29	− 6 59.4	2.356	3.297	7.9	22.0
7 10	19 57.23	− 7 9.0	2.316	3.299	5.4	21.9
7 20	19 49.56	− 7 29.2	2.303	3.300	4.1	21.8
7 30	19 41.96	− 7 58.3	2.317	3.301	5.2	21.8
8 9	19 35.16	− 8 33.8	2.359	3.302	7.7	22.0
8 19	19 29.73	− 9 12.9	2.426	3.302	10.3	22.2

117505 2005 CG_{25} 7 18.2 147°.41 6°.8/14.5 18

6 10	20 22.75	−38 35.4	2.221	3.044	13.1	19.7
6 20	20 17.46	−39 45.3	2.154	3.049	10.8	19.6
6 30	20 9.58	−40 49.7	2.110	3.055	8.5	19.4
7 10	19 59.78	−41 42.0	2.091	3.060	7.0	19.3
7 20	19 48.99	−42 16.6	2.098	3.065	7.0	19.4
7 30	19 38.42	−42 30.4	2.131	3.070	8.7	19.5
8 9	19 29.23	−42 23.8	2.189	3.074	10.9	19.6
8 19	19 22.29	−41 59.7	2.268	3.078	13.2	19.8

191678 2004 RS_{58} 7 18.2 293°.73 0°.1/18.2 18

6 10	20 16.15	−18 52.6	1.671	2.513	15.9	20.9
6 20	20 12.83	−19 15.7	1.574	2.493	12.6	20.6
6 30	20 6.83	−19 48.7	1.497	2.473	8.6	20.3
7 10	19 58.68	−20 28.8	1.444	2.452	4.0	20.0
7 20	19 49.20	−21 11.8	1.416	2.432	0.9	19.7
7 30	19 39.60	−21 53.1	1.414	2.412	5.9	20.0
8 9	19 31.15	−22 28.9	1.437	2.391	10.6	20.2
8 19	19 24.91	−22 57.1	1.482	2.371	14.8	20.5

177238 2003 UK_{267} 7 18.2 284°.42 1°.9/18.9 17

6 10	20 17.62	−15 42.3	1.474	2.315	17.7	20.1
6 20	20 14.10	−15 40.9	1.390	2.306	14.1	19.8
6 30	20 7.71	−15 51.0	1.325	2.297	9.8	19.6
7 10	19 59.06	−16 11.3	1.283	2.288	5.1	19.3
7 20	19 49.13	−16 38.7	1.265	2.279	2.0	19.0
7 30	19 39.24	−17 9.6	1.272	2.270	6.2	19.3
8 9	19 30.76	−17 40.2	1.303	2.261	11.0	19.5
8 19	19 24.72	−18 7.9	1.356	2.253	15.4	19.8

310651 2002 CF_{311} 7 18.2 210°.92 2°.1/19.6 18

6 10	20 14.30	−11 51.6	2.929	3.723	11.0	22.3
6 20	20 9.96	−12 1.9	2.830	3.716	8.8	22.1
6 30	20 4.11	−12 20.5	2.754	3.709	6.3	21.9
7 10	19 57.15	−12 46.6	2.705	3.701	3.6	21.7
7 20	19 49.59	−13 18.7	2.683	3.693	2.1	21.6
7 30	19 42.03	−13 54.7	2.691	3.684	3.9	21.7
8 9	19 35.12	−14 32.3	2.728	3.675	6.5	21.9
8 19	19 29.39	−15 9.7	2.790	3.665	9.1	22.1

377090 2002 VF_{144} 7 18.2 210°.89 1°.0/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 20.22	−21 38.3	1.938	2.769	14.5	21.9
6 20	20 15.49	−22 6.1	1.851	2.764	11.3	21.6
6 30	20 8.30	−22 39.9	1.785	2.758	7.6	21.4
7 10	19 59.23	−23 16.2	1.744	2.751	3.5	21.1
7 20	19 49.12	−23 50.8	1.730	2.745	1.4	21.0
7 30	19 39.07	−24 19.9	1.743	2.737	5.4	21.2
8 9	19 30.19	−24 41.4	1.783	2.729	9.5	21.5
8 19	19 23.35	−24 54.5	1.847	2.721	13.1	21.7

282321 2002 TB_{192} 7 18.2 284°.39 3°.8/19.4 18

6 10	20 17.29	−12 17.7	2.001	2.813	14.8	20.6
6 20	20 13.06	−11 37.2	1.900	2.795	12.0	20.4
6 30	20 6.61	−11 4.6	1.821	2.778	8.8	20.1
7 10	19 58.44	−10 40.7	1.767	2.761	5.5	19.9
7 20	19 49.29	−10 25.5	1.738	2.743	3.9	19.7
7 30	19 40.13	−10 18.7	1.736	2.726	5.9	19.8
8 9	19 31.94	−10 18.9	1.760	2.708	9.4	20.0
8 19	19 25.54	−10 24.5	1.808	2.691	12.9	20.2

230052 2000 SP_{129} 7 18.2 310°.94 5°.2/19.0 18

6 10	20 18.89	−13 4.1	1.536	2.366	17.7	19.3
6 20	20 14.97	−11 51.1	1.444	2.349	14.4	19.1
6 30	20 8.24	−10 44.4	1.371	2.332	10.7	18.8
7 10	19 59.31	− 9 46.2	1.321	2.315	6.9	18.5
7 20	19 49.10	− 8 58.8	1.295	2.299	5.2	18.4
7 30	19 38.91	− 8 23.4	1.295	2.283	7.7	18.5
8 9	19 30.03	− 8 0.1	1.318	2.268	11.7	18.7
8 19	19 23.50	− 7 47.3	1.363	2.254	15.8	18.9

248555 2005 YV_{37} 7 18.2 75°.56 2°.1/19.0 18

6 10	20 16.87	−15 38.8	2.313	3.127	13.0	19.9
6 20	20 12.19	−15 11.6	2.234	3.134	10.3	19.7
6 30	20 5.68	−14 50.2	2.177	3.140	7.2	19.5
7 10	19 57.87	−14 34.2	2.146	3.147	3.9	19.3
7 20	19 49.45	−14 23.1	2.142	3.154	2.1	19.2
7 30	19 41.23	−14 15.7	2.167	3.161	4.5	19.4
8 9	19 33.99	−14 11.2	2.218	3.168	7.7	19.6
8 19	19 28.33	−14 8.4	2.294	3.174	10.6	19.8

358484 2007 RG_{21} 7 18.2 353°.87 1°.8/17.7 17

6 10	20 15.61	−23 22.5	1.053	1.933	20.4	20.5
6 20	20 13.56	−23 35.3	0.988	1.928	16.1	20.2
6 30	20 7.84	−23 54.8	0.940	1.924	10.9	19.9
7 10	19 59.25	−24 16.0	0.912	1.921	5.1	19.5
7 20	19 49.13	−24 33.3	0.905	1.920	2.3	19.4
7 30	19 39.31	−24 41.7	0.920	1.919	7.8	19.7
8 9	19 31.57	−24 39.5	0.956	1.920	13.4	20.0
8 19	19 27.10	−24 27.2	1.011	1.921	18.3	20.3

117833 2005 JO_{55} 7 18.2 355°.71 1°.0/17.8 18

6 10	20 16.56	−22 22.0	1.863	2.703	14.6	19.8
6 20	20 12.65	−22 40.4	1.784	2.703	11.4	19.6
6 30	20 6.36	−23 3.6	1.726	2.702	7.6	19.4
7 10	19 58.32	−23 28.4	1.693	2.701	3.5	19.1
7 20	19 49.36	−23 51.1	1.686	2.701	1.4	19.0
7 30	19 40.57	−24 8.8	1.706	2.701	5.4	19.3
8 9	19 32.99	−24 19.6	1.751	2.701	9.3	19.5
8 19	19 27.43	−24 23.2	1.819	2.701	12.9	19.7

517213 2013 YV_{152} 7 18.2 188°.35 0°.8/18.6 17

6 10	20 17.48	−16 32.6	2.222	3.039	13.3	22.6
6 20	20 12.93	−16 54.4	2.135	3.039	10.5	22.4
6 30	20 6.36	−17 24.5	2.070	3.038	7.1	22.2
7 10	19 58.28	−18 0.8	2.031	3.036	3.5	22.0
7 20	19 49.38	−18 40.3	2.019	3.034	1.0	21.8
7 30	19 40.55	−19 19.7	2.036	3.032	4.5	22.0
8 9	19 32.68	−19 56.4	2.079	3.029	8.1	22.3
8 19	19 26.48	−20 28.4	2.148	3.026	11.3	22.5

112955 2002 RS_{12} 7 18.2 355°.98 5°.4/20.8 18

6 10	20 12.14	− 7 0.2	1.580	2.401	17.6	19.4
6 20	20 9.46	− 6 46.8	1.502	2.398	14.5	19.2
6 30	20 4.38	− 6 51.1	1.443	2.395	11.0	19.0
7 10	19 57.46	− 7 14.1	1.405	2.394	7.5	18.8
7 20	19 49.56	− 7 54.5	1.391	2.393	5.5	18.7
7 30	19 41.76	− 8 48.8	1.402	2.392	7.0	18.7
8 9	19 35.16	− 9 51.7	1.437	2.393	10.4	18.9
8 19	19 30.61	−10 57.8	1.494	2.394	14.0	19.2

469344 2000 TF_{8} 7 18.2 279°.27 2°.9/17.0 18

6 10	20 19.70	−26 22.8	1.832	2.673	14.8	22.1
6 20	20 15.55	−26 56.1	1.732	2.650	11.7	21.8
6 30	20 8.66	−27 33.1	1.652	2.626	8.1	21.6
7 10	19 59.55	−28 8.8	1.597	2.602	4.3	21.3
7 20	19 49.08	−28 38.2	1.568	2.578	3.2	21.2
7 30	19 38.49	−28 56.9	1.565	2.553	6.7	21.3
8 9	19 29.07	−29 2.9	1.588	2.529	10.8	21.5
8 19	19 21.90	−28 56.8	1.633	2.504	14.7	21.7

208877 2002 TP_{55} 7 18.2 274°.22 2°.5/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 17.32	−25 31.6	2.017	2.855	13.7	20.7
6 20	20 13.29	−26 11.1	1.925	2.843	10.7	20.5
6 30	20 6.88	−26 54.5	1.856	2.830	7.3	20.2
7 10	19 58.61	−27 37.3	1.812	2.817	3.8	20.0
7 20	19 49.30	−28 15.0	1.794	2.804	2.8	19.9
7 30	19 39.99	−28 43.6	1.804	2.791	6.0	20.1
8 9	19 31.77	−29 1.2	1.839	2.779	9.7	20.3
8 19	19 25.51	−29 7.5	1.897	2.766	13.0	20.5

139311 2001 KJ_{23} 7 18.2 54°.01 1°.5/17.7 17

6 10	20 20.12	−22 39.6	1.334	2.191	18.4	19.9
6 20	20 16.06	−23 0.5	1.279	2.206	14.3	19.7
6 30	20 8.91	−23 27.3	1.242	2.221	9.5	19.4
7 10	19 59.52	−23 55.3	1.228	2.236	4.4	19.2
7 20	19 49.15	−24 19.3	1.238	2.252	1.9	19.1
7 30	19 39.27	−24 35.6	1.272	2.268	6.6	19.4
8 9	19 31.25	−24 42.5	1.330	2.285	11.3	19.7
8 19	19 25.98	−24 40.6	1.410	2.301	15.3	20.0

501964 2014 YE_{20} 7 18.2 274°.81 2°.3/17.3 17

6 10	20 19.59	−23 22.9	1.529	2.378	16.8	21.8
6 20	20 15.93	−24 2.6	1.437	2.360	13.3	21.5
6 30	20 9.18	−24 50.2	1.364	2.341	9.0	21.2
7 10	19 59.88	−25 40.7	1.314	2.321	4.5	20.9
7 20	19 49.02	−26 27.7	1.289	2.302	2.7	20.7
7 30	19 38.00	−27 5.5	1.289	2.282	7.1	21.0
8 9	19 28.37	−27 30.5	1.314	2.262	12.0	21.2
8 19	19 21.33	−27 42.2	1.360	2.242	16.3	21.4

105248 2000 QM_{3} 7 18.2 273°.40 2°.5/19.6 18

6 10	20 14.63	−11 54.7	2.368	3.174	12.9	20.1
6 20	20 10.74	−11 59.9	2.259	3.152	10.4	19.9
6 30	20 4.95	−12 15.3	2.172	3.130	7.5	19.7
7 10	19 57.68	−12 40.4	2.110	3.108	4.4	19.5
7 20	19 49.53	−13 13.5	2.075	3.085	2.5	19.3
7 30	19 41.29	−13 52.3	2.068	3.062	4.7	19.4
8 9	19 33.78	−14 33.9	2.088	3.039	8.0	19.6
8 19	19 27.73	−15 15.5	2.133	3.015	11.2	19.7

287280 2002 TY_{171} 7 18.2 0°.62 1°.9/17.9 18

6 10	20 20.41	−27 40.7	1.413	2.270	17.5	18.9
6 20	20 16.32	−27 10.5	1.341	2.267	13.8	18.7
6 30	20 9.13	−26 37.2	1.288	2.266	9.4	18.4
7 10	19 59.66	−25 58.0	1.258	2.266	4.6	18.2
7 20	19 49.14	−25 10.8	1.253	2.267	2.2	18.0
7 30	19 39.06	−24 16.0	1.272	2.269	6.6	18.3
8 9	19 30.82	−23 15.8	1.316	2.272	11.2	18.6
8 19	19 25.32	−22 13.5	1.381	2.275	15.3	18.8

225150 2008 GR_{46} 7 18.2 353°.63 3°.8/20.4 18

6 10	20 12.46	− 8 33.6	2.114	2.919	14.3	20.3
6 20	20 9.09	− 8 34.0	2.029	2.918	11.6	20.1
6 30	20 3.81	− 8 47.7	1.965	2.916	8.6	19.9
7 10	19 57.12	− 9 14.3	1.925	2.915	5.5	19.7
7 20	19 49.68	− 9 52.4	1.910	2.914	3.8	19.6
7 30	19 42.32	−10 39.0	1.923	2.914	5.3	19.7
8 9	19 35.86	−11 30.7	1.962	2.913	8.4	19.9
8 19	19 30.98	−12 23.8	2.025	2.913	11.4	20.1

163942 2003 UN 7 18.2 287°.82 7°.7/20.3 18

6 10	20 16.74	− 3 45.4	1.907	2.692	16.3	19.4
6 20	20 12.80	− 2 36.3	1.805	2.670	13.9	19.2
6 30	20 6.57	− 1 39.4	1.722	2.648	11.3	19.0
7 10	19 58.52	− 0 58.0	1.662	2.626	8.9	18.8
7 20	19 49.36	− 0 34.7	1.627	2.604	7.7	18.7
7 30	19 40.08	− 0 30.5	1.617	2.582	8.8	18.7
8 9	19 31.73	− 0 43.6	1.631	2.560	11.4	18.8
8 19	19 25.19	− 1 10.9	1.668	2.538	14.4	18.9

555 Norma 7 18.2 161°.21 0°.3/18.4 18

6 10	20 14.92	−18 40.2	2.832	3.646	10.8	16.5
6 20	20 10.47	−18 56.7	2.747	3.651	8.4	16.4
6 30	20 4.47	−19 18.2	2.686	3.655	5.7	16.2
7 10	19 57.35	−19 42.8	2.652	3.658	2.7	16.0
7 20	19 49.66	−20 8.5	2.646	3.662	0.6	15.8
7 30	19 42.07	−20 33.0	2.669	3.665	3.6	16.1
8 9	19 35.23	−20 54.9	2.721	3.668	6.6	16.3
8 19	19 29.68	−21 13.0	2.798	3.670	9.2	16.5

240729 2005 GP_{222} 7 18.2 214°.62 2°.9/16.7 18

6 10	20 18.12	−26 40.3	2.108	2.943	13.3	20.5
6 20	20 13.75	−27 25.2	2.026	2.941	10.4	20.3
6 30	20 7.09	−28 12.8	1.966	2.938	7.1	20.1
7 10	19 58.70	−28 58.4	1.931	2.935	3.9	19.9
7 20	19 49.38	−29 37.4	1.924	2.932	3.2	19.9
7 30	19 40.15	−30 6.2	1.944	2.928	6.0	20.0
8 9	19 32.03	−30 23.2	1.990	2.925	9.3	20.2
8 19	19 25.83	−30 28.5	2.059	2.921	12.4	20.4

449010 2012 BD_{95} 7 18.2 335°.52 4°.6/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 12.55	− 7 32.9	2.116	2.918	14.4	20.8
6 20	20 9.17	− 7 15.3	2.028	2.912	11.8	20.6
6 30	20 3.89	− 7 10.5	1.961	2.907	8.9	20.4
7 10	19 57.18	− 7 19.1	1.917	2.902	6.1	20.2
7 20	19 49.71	− 7 40.3	1.899	2.897	4.6	20.1
7 30	19 42.30	− 8 12.2	1.907	2.893	5.9	20.2
8 9	19 35.78	− 8 51.9	1.941	2.889	8.7	20.3
8 19	19 30.82	− 9 35.9	1.999	2.886	11.7	20.5

342685 2008 VL_{53} 7 18.2 286°.20 0°.2/18.2 18

6 10	20 16.43	−18 54.0	1.789	2.627	15.2	20.7
6 20	20 12.90	−19 22.2	1.690	2.607	12.0	20.4
6 30	20 6.83	−20 0.1	1.613	2.587	8.2	20.2
7 10	19 58.71	−20 44.8	1.559	2.567	3.8	19.9
7 20	19 49.35	−21 32.0	1.531	2.547	0.9	19.6
7 30	19 39.87	−22 17.3	1.530	2.526	5.6	19.9
8 9	19 31.46	−22 56.8	1.554	2.506	10.1	20.1
8 19	19 25.11	−23 28.5	1.601	2.486	14.1	20.3

210096 2006 QV_{94} 7 18.2 272°.04 2°.2/19.4 18

6 10	20 14.75	−13 2.9	2.063	2.880	14.2	20.2
6 20	20 11.01	−13 14.2	1.972	2.873	11.3	20.0
6 30	20 5.21	−13 36.7	1.903	2.866	8.0	19.7
7 10	19 57.83	−14 9.0	1.858	2.859	4.4	19.5
7 20	19 49.57	−14 48.9	1.839	2.851	2.2	19.4
7 30	19 41.35	−15 33.0	1.848	2.844	4.9	19.5
8 9	19 34.06	−16 18.1	1.883	2.837	8.5	19.7
8 19	19 28.47	−17 1.2	1.942	2.829	11.9	19.9

468480 2004 TU_{7} 7 18.2 326°.96 15°.5/14.9 18

6 10	20 22.35	− 1 50.5	1.315	2.112	21.7	19.5
6 20	20 18.39	+ 1 42.2	1.221	2.083	19.4	19.2
6 30	20 11.09	+ 5 14.1	1.147	2.054	17.2	19.0
7 10	20 0.93	+ 8 32.9	1.095	2.027	15.7	18.8
7 20	19 48.85	+11 24.6	1.066	2.001	15.7	18.7
7 30	19 36.35	+13 37.1	1.059	1.975	17.4	18.7
8 9	19 25.14	+15 5.2	1.072	1.952	20.1	18.8
8 19	19 16.62	+15 50.9	1.102	1.930	23.0	18.9

116215 2003 XW_{39} 7 18.2 313°.46 7°.5/22.3 18

6 10	20 12.54	− 0 40.8	1.742	2.528	17.6	19.6
6 20	20 9.68	− 0 26.1	1.651	2.516	15.0	19.4
6 30	20 4.53	− 0 32.7	1.578	2.504	12.1	19.2
7 10	19 57.60	− 1 2.9	1.526	2.492	9.3	19.0
7 20	19 49.62	− 1 56.8	1.497	2.481	7.6	18.9
7 30	19 41.60	− 3 11.5	1.493	2.470	8.3	18.9
8 9	19 34.59	− 4 41.2	1.514	2.459	10.9	19.0
8 19	19 29.45	− 6 18.9	1.557	2.448	14.1	19.2

53696 2000 DS_{86} 7 18.2 344°.11 0°.5/18.0 18

6 10	20 16.88	−18 22.7	1.519	2.365	17.0	18.7
6 20	20 13.48	−19 8.3	1.443	2.364	13.3	18.4
6 30	20 7.28	−20 6.1	1.387	2.363	9.0	18.2
7 10	19 58.91	−21 11.7	1.354	2.362	4.1	17.9
7 20	19 49.34	−22 19.2	1.346	2.361	1.1	17.7
7 30	19 39.87	−23 22.2	1.363	2.360	6.1	18.0
8 9	19 31.79	−24 15.9	1.406	2.360	10.8	18.3
8 19	19 26.12	−24 58.1	1.470	2.360	14.9	18.5

399848 2005 UH_{127} 7 18.2 274°.85 4°.2/20.2 18

6 10	20 14.32	− 8 31.5	2.312	3.108	13.5	21.0
6 20	20 10.39	− 8 5.6	2.218	3.100	11.1	20.8
6 30	20 4.64	− 7 50.2	2.146	3.091	8.3	20.6
7 10	19 57.53	− 7 45.9	2.098	3.083	5.6	20.4
7 20	19 49.67	− 7 52.4	2.076	3.074	4.2	20.3
7 30	19 41.85	− 8 8.6	2.081	3.066	5.6	20.4
8 9	19 34.85	− 8 32.2	2.112	3.057	8.3	20.5
8 19	19 29.33	− 9 0.7	2.169	3.049	11.1	20.7

511349 2014 EL_{48} 7 18.2 160°.27 3°.1/16.4 18

6 10	20 20.27	−29 12.6	2.622	3.443	11.4	23.1
6 20	20 14.89	−29 56.3	2.544	3.450	8.9	22.9
6 30	20 7.57	−30 40.0	2.491	3.457	6.2	22.8
7 10	19 58.84	−31 19.5	2.464	3.463	3.8	22.6
7 20	19 49.40	−31 51.2	2.466	3.468	3.3	22.6
7 30	19 40.10	−32 12.5	2.497	3.473	5.4	22.7
8 9	19 31.77	−32 22.5	2.555	3.477	8.1	22.9
8 19	19 25.09	−32 21.8	2.637	3.481	10.6	23.1

426252 2012 PQ_{38} 7 18.2 332°.86 5°.8/21.1 18

6 10	20 13.96	− 5 17.7	1.625	2.434	17.7	20.9
6 20	20 10.88	− 5 10.3	1.544	2.430	14.7	20.7
6 30	20 5.36	− 5 22.4	1.480	2.426	11.3	20.5
7 10	19 57.98	− 5 54.7	1.439	2.423	7.9	20.3
7 20	19 49.57	− 6 46.1	1.421	2.419	5.9	20.1
7 30	19 41.20	− 7 52.7	1.428	2.416	7.2	20.2
8 9	19 34.00	− 9 8.7	1.460	2.413	10.5	20.4
8 19	19 28.84	−10 27.9	1.514	2.411	14.1	20.6

294888 2008 DJ_{8} 7 18.2 114°.01 3°.1/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 13.97	− 9 4.3	2.225	3.026	13.8	20.5
6 20	20 10.16	− 9 23.6	2.141	3.028	11.2	20.4
6 30	20 4.50	− 9 56.3	2.078	3.031	8.1	20.2
7 10	19 57.46	−10 41.2	2.039	3.033	5.0	20.0
7 20	19 49.69	−11 36.0	2.028	3.035	3.1	19.9
7 30	19 42.00	−12 37.3	2.044	3.038	4.8	20.0
8 9	19 35.19	−13 40.9	2.088	3.040	7.9	20.2
8 19	19 29.91	−14 43.4	2.157	3.042	11.0	20.4

436651 2011 RC_{10} 7 18.2 338°.07 0°.4/18.4 18

6 10	20 13.71	−20 5.0	1.460	2.317	17.0	20.1
6 20	20 11.15	−19 57.9	1.376	2.303	13.4	19.9
6 30	20 5.80	−19 57.5	1.311	2.290	9.1	19.6
7 10	19 58.26	−20 1.8	1.269	2.277	4.3	19.3
7 20	19 49.50	−20 7.9	1.250	2.266	0.9	19.0
7 30	19 40.82	−20 13.2	1.256	2.255	6.0	19.3
8 9	19 33.53	−20 15.6	1.285	2.246	10.9	19.6
8 19	19 28.65	−20 14.1	1.335	2.238	15.2	19.8

383966 2008 TQ_{51} 7 18.2 339°.46 2°.0/17.4 16

6 10	20 16.90	−23 47.3	1.562	2.415	16.3	20.8
6 20	20 13.49	−24 16.4	1.485	2.410	12.8	20.5
6 30	20 7.27	−24 50.8	1.428	2.406	8.6	20.3
7 10	19 58.90	−25 26.2	1.394	2.402	4.2	20.0
7 20	19 49.38	−25 57.3	1.385	2.399	2.4	19.9
7 30	19 40.00	−26 20.1	1.402	2.395	6.5	20.1
8 9	19 32.07	−26 32.2	1.442	2.393	10.9	20.4
8 19	19 26.56	−26 33.8	1.504	2.390	14.8	20.6

199342 2006 BW_{157} 7 18.2 165°.68 0°.4/18.1 17

6 10	20 18.32	−20 21.4	1.932	2.764	14.5	21.4
6 20	20 13.93	−20 42.1	1.852	2.765	11.3	21.1
6 30	20 7.21	−21 9.1	1.794	2.767	7.6	20.9
7 10	19 58.76	−21 39.5	1.761	2.768	3.5	20.7
7 20	19 49.42	−22 9.6	1.754	2.770	0.9	20.5
7 30	19 40.22	−22 36.2	1.775	2.770	5.1	20.8
8 9	19 32.20	−22 56.9	1.821	2.771	9.1	21.0
8 19	19 26.16	−23 11.1	1.892	2.772	12.5	21.2

512745 2016 UG_{31} 7 18.2 339°.45 8°.6/10.7 18

6 10	20 14.58	−22 21.0	1.157	2.031	19.4	18.8
6 20	20 13.51	−26 29.3	1.071	2.009	15.3	18.5
6 30	20 8.71	−31 15.7	1.009	1.988	11.0	18.2
7 10	20 0.28	−36 20.2	0.974	1.969	8.6	18.0
7 20	19 48.93	−41 14.2	0.967	1.951	10.6	18.1
7 30	19 36.38	−45 29.2	0.988	1.936	15.1	18.2
8 9	19 25.04	−48 48.7	1.031	1.922	19.8	18.5
8 19	19 17.21	−51 10.6	1.093	1.910	23.8	18.7

255326 2005 WB_{34} 7 18.2 258°.36 1°.0/17.7 18

6 10	20 16.09	−22 47.6	2.600	3.423	11.4	21.3
6 20	20 11.76	−23 10.3	2.497	3.406	8.9	21.2
6 30	20 5.57	−23 36.6	2.418	3.389	6.0	20.9
7 10	19 57.98	−24 4.1	2.364	3.371	2.8	20.7
7 20	19 49.58	−24 29.8	2.339	3.353	1.3	20.6
7 30	19 41.16	−24 51.2	2.343	3.335	4.4	20.8
8 9	19 33.52	−25 6.8	2.374	3.317	7.6	20.9
8 19	19 27.33	−25 15.9	2.430	3.298	10.6	21.1

430987 2005 WP_{160} 7 18.2 339°.48 11°.2/12.6 17

6 10	20 23.61	−42 54.3	1.522	2.362	17.3	20.9
6 20	20 19.83	−44 43.9	1.462	2.359	14.8	20.7
6 30	20 12.17	−46 24.9	1.421	2.356	12.5	20.6
7 10	20 1.38	−47 45.6	1.402	2.353	11.3	20.5
7 20	19 48.84	−48 35.9	1.405	2.351	11.7	20.5
7 30	19 36.52	−48 50.6	1.430	2.349	13.5	20.6
8 9	19 26.38	−48 31.1	1.475	2.347	16.0	20.8
8 19	19 19.74	−47 43.8	1.539	2.346	18.5	20.9

469928 2005 YS_{271} 7 18.2 187°.76 5°.2/21.7 18

6 10	20 15.67	− 2 44.9	1.886	2.669	16.6	20.9
6 20	20 11.86	− 3 16.9	1.799	2.669	13.8	20.7
6 30	20 5.86	− 4 10.5	1.732	2.669	10.6	20.5
7 10	19 58.17	− 5 25.7	1.689	2.669	7.3	20.3
7 20	19 49.55	− 6 59.2	1.671	2.668	5.2	20.2
7 30	19 40.94	− 8 45.8	1.680	2.668	6.3	20.2
8 9	19 33.36	−10 38.3	1.717	2.668	9.4	20.4
8 19	19 27.58	−12 29.8	1.778	2.667	12.8	20.6

371508 2006 UQ_{74} 7 18.2 281°.07 1°.1/17.9 17

6 10	20 19.74	−22 19.4	1.569	2.414	16.6	22.1
6 20	20 15.91	−22 32.3	1.474	2.395	13.1	21.8
6 30	20 9.10	−22 51.2	1.398	2.375	8.9	21.5
7 10	19 59.86	−23 12.6	1.346	2.354	4.2	21.2
7 20	19 49.16	−23 32.1	1.319	2.334	1.5	20.9
7 30	19 38.37	−23 45.8	1.317	2.314	6.4	21.2
8 9	19 28.92	−23 51.6	1.340	2.293	11.3	21.4
8 19	19 21.98	−23 49.2	1.385	2.273	15.7	21.6

383193 2005 YJ_{15} 7 18.2 328°.12 0°.5/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 12.67	−18 11.8	1.378	2.238	17.7	20.2
6 20	20 10.62	−18 57.1	1.293	2.222	14.0	19.9
6 30	20 5.65	−19 56.9	1.228	2.207	9.5	19.6
7 10	19 58.30	−21 7.4	1.184	2.193	4.4	19.3
7 20	19 49.51	−22 22.1	1.164	2.180	1.2	19.0
7 30	19 40.63	−23 33.8	1.168	2.167	6.6	19.3
8 9	19 33.13	−24 36.3	1.196	2.155	11.7	19.6
8 19	19 28.16	−25 26.0	1.244	2.144	16.3	19.8

29934 1999 JL_{46} 7 18.2 183°.69 2°.8/20.0 18

6 10	20 15.50	− 9 44.1	2.984	3.767	11.1	19.1
6 20	20 10.82	− 9 40.7	2.891	3.767	8.9	19.0
6 30	20 4.68	− 9 45.8	2.821	3.767	6.5	18.8
7 10	19 57.48	− 9 59.1	2.777	3.766	4.1	18.7
7 20	19 49.73	−10 19.4	2.761	3.765	2.8	18.6
7 30	19 42.03	−10 45.4	2.775	3.763	4.1	18.7
8 9	19 35.00	−11 15.0	2.817	3.760	6.5	18.8
8 19	19 29.14	−11 46.3	2.885	3.757	9.0	19.0

29288 1993 FJ_{51} 7 18.2 261°.52 2°.3/17.5 18

6 10	20 22.30	−24 27.2	1.521	2.367	17.0	19.8
6 20	20 18.08	−24 51.5	1.429	2.350	13.5	19.5
6 30	20 10.65	−25 21.1	1.356	2.332	9.2	19.2
7 10	20 0.62	−25 50.9	1.307	2.314	4.6	18.9
7 20	19 49.01	−26 15.5	1.283	2.296	2.6	18.7
7 30	19 37.32	−26 30.2	1.284	2.277	7.1	19.0
8 9	19 27.11	−26 32.9	1.309	2.258	12.0	19.2
8 19	19 19.62	−26 24.4	1.356	2.238	16.4	19.4

39652 1995 TY_{4} 7 18.2 45°.32 3°.9/19.9 17

6 10	20 16.01	−10 55.0	1.643	2.467	16.9	19.7
6 20	20 12.31	−10 40.1	1.573	2.474	13.7	19.5
6 30	20 6.20	−10 38.8	1.522	2.482	9.9	19.3
7 10	19 58.31	−10 50.8	1.493	2.489	6.1	19.1
7 20	19 49.55	−11 14.5	1.489	2.497	3.9	19.0
7 30	19 41.01	−11 47.0	1.511	2.505	6.1	19.2
8 9	19 33.75	−12 24.5	1.558	2.513	9.8	19.4
8 19	19 28.58	−13 3.3	1.628	2.522	13.4	19.6

520120 2014 AL_{59} 7 18.2 174°.60 2°.5/17.2 18

6 10	20 21.15	−27 46.7	2.323	3.148	12.6	22.1
6 20	20 15.76	−28 4.5	2.241	3.150	9.8	21.9
6 30	20 8.25	−28 22.2	2.183	3.152	6.7	21.7
7 10	19 59.19	−28 36.2	2.150	3.153	3.6	21.5
7 20	19 49.37	−28 43.4	2.145	3.154	2.7	21.4
7 30	19 39.74	−28 41.8	2.169	3.154	5.3	21.6
8 9	19 31.23	−28 31.1	2.219	3.155	8.5	21.8
8 19	19 24.56	−28 12.2	2.294	3.154	11.4	22.0

23633 1997 AF_{3} 7 18.2 148°.11 3°.2/16.9 18

6 10	20 22.98	−26 48.4	1.778	2.615	15.3	19.4
6 20	20 17.84	−27 30.2	1.707	2.622	12.0	19.2
6 30	20 9.98	−28 14.2	1.657	2.629	8.2	19.0
7 10	20 0.08	−28 55.1	1.632	2.635	4.5	18.8
7 20	19 49.17	−29 27.4	1.633	2.641	3.5	18.7
7 30	19 38.52	−29 47.4	1.661	2.647	6.6	18.9
8 9	19 29.35	−29 54.0	1.715	2.652	10.4	19.2
8 19	19 22.56	−29 48.4	1.791	2.656	13.8	19.4

177864 2005 QG_{19} 7 18.2 23°.09 3°.6/20.2 18

6 10	20 13.66	− 9 12.4	2.026	2.834	14.7	20.2
6 20	20 10.10	− 9 14.5	1.945	2.836	11.9	20.0
6 30	20 4.55	− 9 30.1	1.884	2.838	8.7	19.8
7 10	19 57.52	− 9 58.6	1.847	2.840	5.5	19.6
7 20	19 49.72	−10 38.1	1.837	2.842	3.6	19.5
7 30	19 42.02	−11 25.7	1.853	2.845	5.4	19.6
8 9	19 35.30	−12 17.5	1.895	2.848	8.6	19.8
8 19	19 30.25	−13 9.9	1.961	2.851	11.7	20.1

167568 2004 BR_{48} 7 18.2 308°.91 0°.1/18.3 18

6 10	20 16.55	−20 22.6	1.776	2.617	15.2	19.7
6 20	20 12.89	−20 22.7	1.686	2.604	12.0	19.4
6 30	20 6.73	−20 28.5	1.616	2.591	8.1	19.2
7 10	19 58.64	−20 37.8	1.570	2.578	3.8	18.9
7 20	19 49.48	−20 47.9	1.550	2.565	0.8	18.6
7 30	19 40.36	−20 56.1	1.555	2.553	5.4	18.9
8 9	19 32.43	−21 0.6	1.587	2.541	9.7	19.2
8 19	19 26.59	−21 0.9	1.640	2.530	13.6	19.4

371848 2007 YU_{34} 7 18.3 74°.65 1°.2/17.9 17

6 10	20 23.06	−22 39.4	1.444	2.290	17.8	21.0
6 20	20 18.05	−22 53.5	1.390	2.311	13.8	20.8
6 30	20 10.11	−23 12.6	1.355	2.331	9.2	20.6
7 10	20 0.09	−23 32.3	1.344	2.352	4.2	20.4
7 20	19 49.21	−23 48.2	1.358	2.373	1.6	20.2
7 30	19 38.89	−23 57.4	1.398	2.394	6.2	20.6
8 9	19 30.39	−23 58.6	1.462	2.414	10.6	20.9
8 19	19 24.56	−23 52.7	1.548	2.434	14.5	21.2

477057 2009 BV_{21} 7 18.3 240°.52 0°.1/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 16.70	−19 20.5	2.040	2.870	13.9	22.1
6 20	20 12.61	−19 43.5	1.953	2.865	10.9	21.9
6 30	20 6.33	−20 13.7	1.888	2.860	7.3	21.7
7 10	19 58.39	−20 48.2	1.848	2.855	3.4	21.4
7 20	19 49.54	−21 23.8	1.834	2.850	0.8	21.2
7 30	19 40.76	−21 57.0	1.848	2.845	4.9	21.5
8 9	19 33.01	−22 25.3	1.889	2.839	8.7	21.7
8 19	19 27.08	−22 47.2	1.953	2.834	12.2	21.9

101499 1998 XS_{7} 7 18.3 338°.39 2°.2/17.3 18

6 10	20 16.72	−24 20.5	1.742	2.589	15.1	19.8
6 20	20 13.07	−24 53.4	1.663	2.585	11.8	19.6
6 30	20 6.86	−25 30.9	1.605	2.582	8.0	19.4
7 10	19 58.69	−26 8.6	1.571	2.578	4.0	19.1
7 20	19 49.48	−26 41.7	1.563	2.575	2.5	19.0
7 30	19 40.40	−27 6.4	1.581	2.573	6.1	19.2
8 9	19 32.62	−27 20.5	1.623	2.570	10.2	19.5
8 19	19 27.04	−27 24.0	1.688	2.568	13.8	19.7

20654 1999 TO_{247} 7 18.3 35°.28 0°.2/18.2 18

6 10	20 14.48	−19 20.6	2.112	2.944	13.4	18.1
6 20	20 10.73	−19 48.3	2.035	2.949	10.4	18.0
6 30	20 4.96	−20 22.8	1.981	2.954	7.0	17.8
7 10	19 57.72	−21 1.4	1.951	2.959	3.2	17.5
7 20	19 49.72	−21 40.6	1.948	2.964	0.8	17.3
7 30	19 41.86	−22 17.2	1.973	2.969	4.6	17.6
8 9	19 35.02	−22 48.5	2.024	2.975	8.2	17.9
8 19	19 29.88	−23 13.4	2.100	2.981	11.4	18.1

198340 2004 UO_{6} 7 18.3 342°.69 0°.7/18.1 18

6 10	20 16.51	−22 32.4	1.390	2.249	17.6	19.8
6 20	20 13.47	−22 28.4	1.313	2.241	13.8	19.5
6 30	20 7.42	−22 29.0	1.254	2.234	9.4	19.3
7 10	19 59.04	−22 31.3	1.218	2.227	4.3	19.0
7 20	19 49.43	−22 31.8	1.206	2.221	1.3	18.7
7 30	19 40.00	−22 27.8	1.218	2.216	6.4	19.0
8 9	19 32.17	−22 18.2	1.253	2.212	11.3	19.3
8 19	19 26.96	−22 3.2	1.309	2.209	15.7	19.6

509646 2008 GZ_{42} 7 18.3 137°.82 4°.5/16.0 18

6 10	20 19.72	−33 33.0	2.396	3.224	12.2	22.1
6 20	20 14.74	−34 12.5	2.323	3.228	9.7	21.9
6 30	20 7.61	−34 49.1	2.272	3.232	7.1	21.8
7 10	19 58.92	−35 18.1	2.247	3.237	4.9	21.6
7 20	19 49.48	−35 35.6	2.249	3.241	4.7	21.6
7 30	19 40.24	−35 39.5	2.278	3.245	6.5	21.7
8 9	19 32.15	−35 29.6	2.333	3.248	9.1	21.9
8 19	19 25.91	−35 7.5	2.412	3.252	11.6	22.1

102992 1999 XP_{90} 7 18.3 137°.66 1°.5/18.8 18

6 10	20 22.06	−16 35.7	1.940	2.756	15.0	20.0
6 20	20 16.62	−16 28.1	1.866	2.769	11.8	19.8
6 30	20 8.89	−16 28.0	1.814	2.780	8.1	19.6
7 10	19 59.52	−16 33.7	1.787	2.791	4.1	19.4
7 20	19 49.37	−16 43.2	1.787	2.802	1.6	19.2
7 30	19 39.48	−16 54.3	1.815	2.811	5.0	19.5
8 9	19 30.87	−17 5.2	1.870	2.820	8.8	19.7
8 19	19 24.25	−17 14.7	1.949	2.829	12.2	19.9

248497 2005 UB_{397} 7 18.3 240°.06 4°.1/20.8 18

6 10	20 13.44	− 6 1.6	2.598	3.378	12.6	20.9
6 20	20 9.55	− 5 58.9	2.499	3.369	10.4	20.7
6 30	20 4.02	− 6 8.3	2.422	3.360	7.9	20.5
7 10	19 57.28	− 6 30.1	2.370	3.350	5.5	20.3
7 20	19 49.85	− 7 3.4	2.344	3.340	4.1	20.2
7 30	19 42.41	− 7 46.1	2.346	3.330	5.2	20.3
8 9	19 35.68	− 8 35.5	2.376	3.319	7.6	20.4
8 19	19 30.23	− 9 28.3	2.431	3.309	10.2	20.6

482151 2010 TP_{30} 7 18.3 244°.87 0°.3/18.1 18

6 10	20 15.74	−20 47.6	2.387	3.213	12.2	22.1
6 20	20 11.53	−21 0.6	2.298	3.208	9.6	21.9
6 30	20 5.44	−21 18.1	2.232	3.204	6.4	21.7
7 10	19 57.94	−21 37.9	2.192	3.199	3.0	21.4
7 20	19 49.71	−21 57.5	2.178	3.194	0.7	21.2
7 30	19 41.57	−22 14.6	2.194	3.189	4.3	21.5
8 9	19 34.31	−22 27.6	2.236	3.184	7.7	21.7
8 19	19 28.62	−22 35.7	2.303	3.179	10.7	21.9

41111 1999 VF_{80} 7 18.3 351°.88 10°.3/21.9 18

6 10	20 10.86	− 1 19.1	1.348	2.162	20.5	18.0
6 20	20 8.90	− 0 3.1	1.274	2.154	17.7	17.8
6 30	20 4.27	+ 0 52.2	1.218	2.148	14.6	17.6
7 10	19 57.60	+ 1 21.6	1.180	2.143	11.8	17.4
7 20	19 49.78	+ 1 22.3	1.163	2.139	10.3	17.3
7 30	19 42.06	+ 0 54.6	1.168	2.136	11.0	17.4
8 9	19 35.66	+ 0 3.2	1.193	2.135	13.5	17.5
8 19	19 31.56	− 1 4.8	1.239	2.135	16.6	17.7

439459 2013 YT_{34} 7 18.3 173°.19 1°.3/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 19.50	−22 57.1	2.298	3.122	12.7	22.1
6 20	20 14.52	−23 27.7	2.216	3.125	9.9	21.9
6 30	20 7.47	−24 2.2	2.156	3.127	6.6	21.7
7 10	19 58.90	−24 37.3	2.122	3.129	3.2	21.5
7 20	19 49.53	−25 9.5	2.117	3.131	1.6	21.4
7 30	19 40.28	−25 35.7	2.140	3.131	4.8	21.6
8 9	19 32.05	−25 54.4	2.190	3.132	8.2	21.9
8 19	19 25.55	−26 5.1	2.265	3.131	11.3	22.1

349242 2007 TE_{92} 7 18.3 320°.27 9°.1/13.0 18

6 10	20 18.84	−38 25.4	1.649	2.497	15.9	19.7
6 20	20 15.69	−40 7.5	1.574	2.483	13.2	19.5
6 30	20 9.23	−41 46.7	1.519	2.469	10.7	19.3
7 10	20 0.06	−43 13.0	1.487	2.456	9.2	19.2
7 20	19 49.24	−44 17.0	1.479	2.444	9.6	19.2
7 30	19 38.39	−44 52.3	1.494	2.432	11.7	19.3
8 9	19 29.15	−44 58.0	1.531	2.420	14.5	19.5
8 19	19 22.81	−44 37.6	1.587	2.409	17.3	19.6

454068 2012 LZ_{20} 7 18.3 81°.89 20°.9/27.9 17

6 10	20 18.13	+16 4.5	1.143	1.873	27.9	21.0
6 20	20 15.07	+18 33.6	1.092	1.877	26.0	20.8
6 30	20 8.71	+20 26.3	1.052	1.882	24.1	20.7
7 10	19 59.74	+21 31.5	1.025	1.887	22.4	20.6
7 20	19 49.34	+21 41.2	1.013	1.892	21.2	20.6
7 30	19 39.10	+20 53.2	1.016	1.897	21.0	20.6
8 9	19 30.62	+19 14.2	1.034	1.901	21.6	20.6
8 19	19 25.05	+16 56.5	1.068	1.906	22.9	20.7

339398 2005 CC_{1} 7 18.3 254°.63 2°.2/19.6 18

6 10	20 16.95	−11 36.9	2.223	3.027	13.7	21.0
6 20	20 12.76	−12 3.1	2.115	3.007	11.1	20.8
6 30	20 6.49	−12 42.1	2.028	2.986	7.9	20.6
7 10	19 58.55	−13 32.8	1.966	2.965	4.4	20.3
7 20	19 49.59	−14 32.5	1.932	2.944	2.2	20.1
7 30	19 40.48	−15 37.4	1.926	2.921	4.8	20.3
8 9	19 32.15	−16 43.2	1.948	2.898	8.5	20.4
8 19	19 25.40	−17 46.4	1.995	2.875	12.0	20.6

308573 2005 UJ_{422} 7 18.3 43°.62 7°.2/21.6 17

6 10	20 14.56	− 1 51.6	2.044	2.819	15.7	20.1
6 20	20 10.66	− 0 57.1	1.973	2.830	13.3	19.9
6 30	20 4.85	− 0 17.8	1.922	2.840	10.7	19.8
7 10	19 57.67	+ 0 3.8	1.893	2.851	8.5	19.6
7 20	19 49.82	+ 0 7.0	1.889	2.862	7.3	19.6
7 30	19 42.15	− 0 7.3	1.910	2.873	7.9	19.7
8 9	19 35.48	− 0 36.2	1.956	2.884	9.9	19.8
8 19	19 30.45	− 1 15.9	2.025	2.896	12.2	20.0

98839 2001 AT_{20} 7 18.3 208°.73 1°.8/17.0 18

6 10	20 18.25	−19 27.1	1.876	2.708	14.8	19.2
6 20	20 14.19	−20 58.1	1.793	2.707	11.5	18.9
6 30	20 7.65	−22 41.5	1.732	2.706	7.7	18.7
7 10	19 59.14	−24 31.3	1.697	2.704	3.7	18.5
7 20	19 49.48	−26 20.0	1.690	2.703	2.3	18.4
7 30	19 39.75	−27 59.8	1.712	2.701	6.1	18.6
8 9	19 31.12	−29 25.5	1.760	2.700	10.0	18.8
8 19	19 24.51	−30 34.5	1.833	2.698	13.6	19.1

172369 2002 XF_{85} 7 18.3 230°.74 1°.7/18.9 18

6 10	20 19.14	−17 7.3	2.298	3.111	13.1	20.2
6 20	20 14.18	−16 41.8	2.204	3.104	10.3	20.0
6 30	20 7.22	−16 21.0	2.132	3.097	7.2	19.8
7 10	19 58.79	−16 4.1	2.086	3.089	3.8	19.6
7 20	19 49.58	−15 50.5	2.068	3.082	1.7	19.4
7 30	19 40.47	−15 39.3	2.079	3.074	4.6	19.6
8 9	19 32.32	−15 29.6	2.116	3.065	8.0	19.8
8 19	19 25.82	−15 20.9	2.179	3.057	11.2	20.0

180900 2005 JD_{165} 7 18.3 41°.55 0°.6/18.1 17

6 10	20 18.86	−21 3.0	1.253	2.113	19.1	20.3
6 20	20 15.31	−21 16.0	1.196	2.125	14.9	20.1
6 30	20 8.59	−21 36.9	1.158	2.137	10.0	19.8
7 10	19 59.55	−22 1.4	1.141	2.150	4.6	19.5
7 20	19 49.43	−22 24.8	1.148	2.164	1.3	19.4
7 30	19 39.79	−22 43.0	1.179	2.178	6.6	19.7
8 9	19 32.02	−22 53.7	1.233	2.192	11.5	20.1
8 19	19 27.07	−22 56.8	1.308	2.207	15.7	20.4

161269 2003 FM_{66} 7 18.3 14°.89 4°.2/19.9 17

6 10	20 14.43	−10 42.0	1.126	1.980	21.2	19.5
6 20	20 12.19	−10 40.7	1.062	1.982	17.1	19.2
6 30	20 6.73	−11 0.1	1.015	1.985	12.4	19.0
7 10	19 58.81	−11 39.7	0.987	1.988	7.3	18.7
7 20	19 49.57	−12 35.8	0.982	1.993	4.2	18.5
7 30	19 40.56	−13 42.2	0.999	1.998	7.3	18.7
8 9	19 33.31	−14 51.4	1.037	2.003	12.3	19.0
8 19	19 28.88	−15 57.3	1.096	2.010	16.9	19.3

119774 2002 AP_{28} 7 18.3 225°.19 3°.3/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 19.41	−31 17.1	2.877	3.695	10.6	20.9
6 20	20 14.23	−31 49.2	2.781	3.684	8.4	20.7
6 30	20 7.19	−32 20.0	2.709	3.672	5.9	20.6
7 10	19 58.77	−32 45.9	2.664	3.659	3.8	20.4
7 20	19 49.59	−33 3.8	2.647	3.646	3.5	20.4
7 30	19 40.45	−33 11.4	2.660	3.632	5.3	20.5
8 9	19 32.15	−33 8.1	2.699	3.618	7.8	20.6
8 19	19 25.35	−32 54.8	2.764	3.604	10.3	20.7

113729 2002 TZ_{142} 7 18.3 328°.76 3°.9/16.6 18

6 10	20 15.27	−25 5.8	1.276	2.146	18.2	19.0
6 20	20 13.06	−26 5.0	1.199	2.134	14.4	18.8
6 30	20 7.52	−27 12.6	1.141	2.122	9.9	18.5
7 10	19 59.28	−28 21.7	1.105	2.111	5.4	18.2
7 20	19 49.45	−29 23.8	1.091	2.101	4.3	18.1
7 30	19 39.62	−30 11.3	1.101	2.092	8.4	18.3
8 9	19 31.47	−30 40.4	1.133	2.083	13.3	18.5
8 19	19 26.26	−30 51.1	1.185	2.075	17.7	18.8

180111 2003 FB_{28} 7 18.3 55°.36 0°.5/18.5 18

6 10	20 16.55	−18 44.9	1.976	2.807	14.2	20.3
6 20	20 12.34	−18 49.1	1.909	2.821	11.1	20.1
6 30	20 6.03	−18 59.6	1.862	2.834	7.5	20.0
7 10	19 58.22	−19 14.2	1.841	2.848	3.5	19.7
7 20	19 49.73	−19 30.6	1.846	2.862	0.8	19.5
7 30	19 41.49	−19 46.2	1.878	2.876	4.7	19.9
8 9	19 34.43	−19 59.3	1.937	2.890	8.4	20.1
8 19	19 29.20	−20 8.8	2.019	2.904	11.6	20.4

288791 2004 RM_{141} 7 18.3 57°.53 4°.9/16.1 18

6 10	20 20.31	−35 9.1	2.297	3.125	12.6	19.9
6 20	20 15.34	−35 41.2	2.222	3.126	10.1	19.8
6 30	20 8.09	−36 8.8	2.170	3.128	7.5	19.6
7 10	19 59.20	−36 27.3	2.143	3.130	5.4	19.5
7 20	19 49.53	−36 33.0	2.143	3.132	5.1	19.5
7 30	19 40.11	−36 23.7	2.169	3.134	6.9	19.6
8 9	19 31.93	−35 59.9	2.221	3.136	9.5	19.7
8 19	19 25.73	−35 24.0	2.297	3.138	12.0	19.9

481274 2005 YN_{19} 7 18.3 235°.88 0°.4/18.1 18

6 10	20 16.14	−21 24.9	2.632	3.453	11.4	22.1
6 20	20 11.69	−21 34.5	2.537	3.445	8.9	21.9
6 30	20 5.49	−21 47.7	2.465	3.436	6.0	21.7
7 10	19 57.98	−22 2.3	2.420	3.427	2.8	21.5
7 20	19 49.78	−22 16.2	2.402	3.418	0.7	21.3
7 30	19 41.63	−22 27.6	2.413	3.408	4.0	21.5
8 9	19 34.29	−22 35.0	2.452	3.398	7.2	21.7
8 19	19 28.36	−22 38.1	2.516	3.388	10.1	21.9

476244 2007 VL_{67} 7 18.3 247°.29 4°.0/16.4 18

6 10	20 19.25	−29 41.9	2.010	2.848	13.8	21.5
6 20	20 14.86	−30 26.6	1.929	2.844	10.9	21.3
6 30	20 7.99	−31 11.9	1.870	2.839	7.6	21.1
7 10	19 59.26	−31 52.3	1.836	2.835	4.7	20.9
7 20	19 49.52	−32 23.0	1.828	2.831	4.2	20.8
7 30	19 39.89	−32 40.5	1.848	2.826	6.8	21.0
8 9	19 31.50	−32 43.6	1.892	2.822	10.1	21.2
8 19	19 25.19	−32 33.6	1.960	2.817	13.1	21.4

286618 2002 EB_{1} 7 18.3 105°.15 0°.6/18.8 17

6 10	20 16.39	−13 57.5	2.458	3.265	12.5	20.3
6 20	20 11.92	−15 3.4	2.380	3.277	9.8	20.1
6 30	20 5.65	−16 20.4	2.324	3.289	6.7	19.9
7 10	19 58.06	−17 44.9	2.296	3.301	3.2	19.7
7 20	19 49.78	−19 12.7	2.297	3.313	0.7	19.5
7 30	19 41.56	−20 39.0	2.328	3.324	4.1	19.8
8 9	19 34.18	−21 59.6	2.388	3.335	7.3	20.0
8 19	19 28.27	−23 11.7	2.475	3.347	10.2	20.2

187853 2000 AA_{225} 7 18.3 311°.52 0°.7/17.8 18

6 10	20 13.40	−19 8.2	2.073	2.908	13.5	19.4
6 20	20 10.23	−19 58.8	1.973	2.888	10.6	19.1
6 30	20 4.90	−20 59.4	1.895	2.869	7.1	18.9
7 10	19 57.87	−22 6.5	1.843	2.851	3.3	18.6
7 20	19 49.79	−23 15.7	1.817	2.832	1.2	18.4
7 30	19 41.60	−24 21.8	1.819	2.814	5.1	18.7
8 9	19 34.28	−25 20.8	1.847	2.796	9.0	18.9
8 19	19 28.68	−26 10.0	1.899	2.778	12.5	19.1

289775 2005 JT_{95} 7 18.3 358°.21 1°.6/18.8 17

6 10	20 10.00	−16 37.0	1.026	1.906	20.8	19.6
6 20	20 9.11	−16 38.4	0.962	1.901	16.5	19.3
6 30	20 4.87	−16 54.7	0.915	1.897	11.4	19.0
7 10	19 58.03	−17 23.6	0.887	1.895	5.7	18.7
7 20	19 49.77	−18 1.0	0.880	1.895	1.8	18.4
7 30	19 41.75	−18 41.2	0.894	1.896	7.0	18.8
8 9	19 35.56	−19 18.8	0.929	1.900	12.6	19.1
8 19	19 32.33	−19 50.0	0.982	1.904	17.6	19.4

171481 1995 SN_{15} 7 18.3 84°.07 0°.9/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 17.73	−22 35.7	2.125	2.956	13.4	20.4
6 20	20 13.20	−22 50.4	2.053	2.966	10.4	20.2
6 30	20 6.60	−23 8.7	2.003	2.976	6.9	20.0
7 10	19 58.50	−23 27.7	1.978	2.986	3.2	19.8
7 20	19 49.71	−23 44.4	1.981	2.996	1.2	19.6
7 30	19 41.14	−23 56.5	2.012	3.006	4.8	19.9
8 9	19 33.70	−24 2.8	2.068	3.016	8.3	20.2
8 19	19 28.06	−24 3.1	2.150	3.026	11.4	20.4

200487 2000 YV_{39} 7 18.3 274°.84 0°.9/17.8 18

6 10	20 17.53	−20 54.2	1.859	2.696	14.8	20.1
6 20	20 13.71	−21 26.1	1.763	2.679	11.6	19.9
6 30	20 7.39	−22 5.8	1.687	2.662	7.9	19.6
7 10	19 59.07	−22 49.8	1.636	2.644	3.7	19.3
7 20	19 49.56	−23 33.8	1.612	2.627	1.4	19.1
7 30	19 39.96	−24 13.2	1.614	2.609	5.6	19.4
8 9	19 31.44	−24 45.0	1.642	2.591	9.9	19.6
8 19	19 24.95	−25 7.8	1.693	2.573	13.7	19.8

292440 2006 SO_{349} 7 18.3 303°.26 0°.6/18.5 18

6 10	20 14.92	−16 8.5	1.382	2.234	18.1	20.5
6 20	20 12.58	−16 44.1	1.285	2.208	14.5	20.2
6 30	20 7.19	−17 36.6	1.206	2.183	10.0	19.9
7 10	19 59.20	−18 43.5	1.149	2.157	4.8	19.5
7 20	19 49.50	−19 59.3	1.116	2.132	1.0	19.1
7 30	19 39.46	−21 16.9	1.108	2.107	6.7	19.4
8 9	19 30.67	−22 29.2	1.122	2.083	12.2	19.7
8 19	19 24.45	−23 31.2	1.158	2.059	17.2	19.9

522982 2016 PS_{118} 7 18.3 294°.90 5°.4/15.0 18

6 10	20 17.81	−29 6.7	1.751	2.600	15.0	20.5
6 20	20 14.44	−30 37.2	1.660	2.581	12.0	20.3
6 30	20 8.21	−32 13.7	1.591	2.561	8.6	20.0
7 10	19 59.58	−33 48.5	1.546	2.542	5.9	19.8
7 20	19 49.43	−35 13.0	1.527	2.523	5.9	19.8
7 30	19 39.06	−36 19.9	1.534	2.504	8.7	19.9
8 9	19 29.89	−37 5.3	1.565	2.485	12.4	20.1
8 19	19 23.09	−37 29.3	1.617	2.467	15.8	20.3

444 Gyptis 7 18.3 320°.38 7°.1/21.2 18

6 10	20 12.64	− 4 17.5	1.683	2.488	17.4	11.8
6 20	20 9.90	− 3 40.1	1.591	2.472	14.7	11.6
6 30	20 4.81	− 3 19.7	1.518	2.456	11.6	11.3
7 10	19 57.86	− 3 18.8	1.465	2.441	8.7	11.1
7 20	19 49.82	− 3 38.1	1.436	2.426	7.1	11.0
7 30	19 41.73	− 4 16.3	1.432	2.412	8.2	11.0
8 9	19 34.68	− 5 9.4	1.451	2.398	11.1	11.2
8 19	19 29.56	− 6 12.1	1.492	2.385	14.5	11.3

64238 2001 TD_{134} 7 18.3 248°.20 4°.2/20.8 18

6 10	20 14.00	− 6 42.3	2.211	3.003	14.2	19.5
6 20	20 10.28	− 6 45.6	2.121	2.999	11.6	19.3
6 30	20 4.68	− 7 3.2	2.051	2.995	8.7	19.1
7 10	19 57.67	− 7 34.8	2.006	2.991	5.9	19.0
7 20	19 49.89	− 8 19.1	1.987	2.987	4.2	18.8
7 30	19 42.13	− 9 13.3	1.995	2.983	5.5	18.9
8 9	19 35.23	−10 13.4	2.030	2.978	8.3	19.1
8 19	19 29.85	−11 15.6	2.089	2.974	11.3	19.3

22713 1998 RK_{79} 7 18.3 49°.15 1°.6/17.4 18

6 10	20 15.36	−23 22.7	2.196	3.031	12.9	18.2
6 20	20 11.41	−23 58.6	2.122	3.037	10.0	18.0
6 30	20 5.44	−24 38.5	2.070	3.044	6.7	17.8
7 10	19 58.00	−25 18.9	2.044	3.051	3.2	17.6
7 20	19 49.83	−25 56.1	2.045	3.058	1.9	17.5
7 30	19 41.80	−26 26.8	2.073	3.065	5.0	17.7
8 9	19 34.81	−26 49.4	2.128	3.072	8.3	18.0
8 19	19 29.52	−27 3.1	2.207	3.079	11.3	18.2

466087 2012 BK_{91} 7 18.3 140°.71 1°.8/19.2 17

6 10	20 19.96	−13 45.5	1.719	2.540	16.4	21.9
6 20	20 15.41	−14 8.8	1.645	2.549	13.0	21.7
6 30	20 8.35	−14 45.0	1.591	2.557	9.0	21.5
7 10	19 59.43	−15 31.9	1.561	2.564	4.7	21.2
7 20	19 49.53	−16 25.3	1.557	2.571	1.9	21.0
7 30	19 39.81	−17 20.8	1.581	2.578	5.4	21.3
8 9	19 31.39	−18 13.9	1.630	2.584	9.6	21.6
8 19	19 25.12	−19 1.6	1.703	2.590	13.3	21.8

343903 2011 JQ_{13} 7 18.3 37°.86 17°.4/22.2 18

6 10	20 23.36	+12 59.1	1.593	2.291	22.3	19.1
6 20	20 18.20	+16 13.3	1.542	2.302	20.6	19.0
6 30	20 10.31	+19 2.4	1.508	2.315	19.1	18.9
7 10	20 0.36	+21 16.3	1.493	2.328	17.9	18.8
7 20	19 49.33	+22 47.9	1.498	2.341	17.4	18.8
7 30	19 38.48	+23 34.0	1.521	2.356	17.6	18.9
8 9	19 29.06	+23 37.7	1.563	2.370	18.3	19.0
8 19	19 21.99	+23 6.2	1.621	2.385	19.4	19.1

131552 2001 VG_{27} 7 18.3 226°.94 1°.1/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 21.05	−17 31.2	1.556	2.391	17.2	20.5
6 20	20 16.73	−17 33.0	1.472	2.385	13.6	20.2
6 30	20 9.54	−17 44.3	1.407	2.379	9.4	19.9
7 10	20 0.10	−18 2.9	1.365	2.372	4.6	19.7
7 20	19 49.39	−18 25.5	1.349	2.364	1.3	19.4
7 30	19 38.75	−18 48.6	1.359	2.357	6.0	19.7
8 9	19 29.52	−19 9.3	1.393	2.349	10.8	20.0
8 19	19 22.74	−19 25.9	1.450	2.340	15.0	20.2

115301 2003 SQ_{205} 7 18.3 267°.53 3°.4/16.8 18

6 10	20 19.49	−28 7.1	1.910	2.750	14.3	20.3
6 20	20 15.19	−28 42.8	1.824	2.741	11.3	20.1
6 30	20 8.33	−29 20.0	1.760	2.731	7.8	19.9
7 10	19 59.48	−29 53.7	1.720	2.722	4.5	19.6
7 20	19 49.55	−30 19.1	1.706	2.713	3.7	19.6
7 30	19 39.69	−30 32.7	1.719	2.703	6.6	19.7
8 9	19 31.08	−30 33.2	1.757	2.693	10.2	19.9
8 19	19 24.64	−30 21.6	1.818	2.684	13.6	20.1

400459 2008 FN_{53} 7 18.3 38°.90 0°.3/18.4 15

6 10	20 15.08	−18 40.4	1.944	2.779	14.3	21.3
6 20	20 11.32	−18 54.8	1.875	2.789	11.1	21.1
6 30	20 5.43	−19 16.2	1.828	2.800	7.5	20.9
7 10	19 58.02	−19 42.2	1.805	2.812	3.5	20.7
7 20	19 49.87	−20 9.7	1.808	2.824	0.7	20.5
7 30	19 41.96	−20 35.9	1.838	2.836	4.7	20.8
8 9	19 35.18	−20 58.4	1.894	2.848	8.5	21.0
8 19	19 30.23	−21 16.0	1.974	2.861	11.8	21.3

316275 2010 PP_{50} 7 18.3 278°.74 0°.6/18.6 18

6 10	20 14.11	−16 47.6	2.338	3.160	12.6	20.9
6 20	20 10.39	−17 15.1	2.244	3.151	9.9	20.7
6 30	20 4.79	−17 51.0	2.172	3.141	6.8	20.5
7 10	19 57.76	−18 33.2	2.126	3.132	3.3	20.2
7 20	19 49.93	−19 18.7	2.107	3.122	0.8	20.0
7 30	19 42.10	−20 4.1	2.116	3.113	4.3	20.3
8 9	19 35.09	−20 46.7	2.152	3.104	7.8	20.5
8 19	19 29.58	−21 24.3	2.214	3.094	10.9	20.7

207912 2008 UH_{316} 7 18.3 148°.61 6°.3/21.2 18

6 10	20 17.57	− 3 0.0	2.287	3.053	14.5	20.5
6 20	20 12.84	− 2 15.3	2.207	3.060	12.2	20.4
6 30	20 6.28	− 1 44.0	2.147	3.067	9.7	20.2
7 10	19 58.39	− 1 27.6	2.111	3.073	7.4	20.1
7 20	19 49.82	− 1 26.6	2.101	3.079	6.3	20.0
7 30	19 41.39	− 1 40.4	2.118	3.084	7.0	20.1
8 9	19 33.87	− 2 6.4	2.161	3.089	9.1	20.2
8 19	19 27.89	− 2 41.3	2.228	3.094	11.5	20.4

167608 2004 CB_{1} 7 18.3 218°.65 4°.9/14.5 18

6 10	20 21.09	−30 54.9	2.429	3.253	12.1	20.2
6 20	20 16.17	−32 35.2	2.341	3.246	9.6	20.0
6 30	20 8.93	−34 18.2	2.277	3.238	7.1	19.9
7 10	19 59.80	−35 57.3	2.241	3.229	5.1	19.7
7 20	19 49.50	−37 25.6	2.234	3.220	5.3	19.7
7 30	19 39.03	−38 37.7	2.255	3.211	7.3	19.8
8 9	19 29.45	−39 31.1	2.304	3.201	10.0	20.0
8 19	19 21.66	−40 5.9	2.376	3.190	12.5	20.1

74299 1998 SQ_{152} 7 18.3 1°.85 7°.3/21.1 17

6 10	20 14.28	− 4 29.7	1.648	2.452	17.7	18.6
6 20	20 11.06	− 3 40.4	1.571	2.451	14.9	18.4
6 30	20 5.49	− 3 7.7	1.513	2.450	11.8	18.2
7 10	19 58.15	− 2 54.0	1.477	2.451	8.8	18.0
7 20	19 49.87	− 3 0.4	1.464	2.451	7.3	17.9
7 30	19 41.72	− 3 25.4	1.475	2.453	8.3	18.0
8 9	19 34.75	− 4 5.2	1.510	2.454	11.0	18.1
8 19	19 29.78	− 4 54.8	1.567	2.456	14.1	18.3

245201 2004 UQ_{4} 7 18.3 286°.96 0°.1/18.3 18

6 10	20 22.48	−22 59.0	1.748	2.582	15.6	20.0
6 20	20 17.62	−22 30.5	1.653	2.567	12.4	19.8
6 30	20 10.02	−22 2.9	1.579	2.552	8.4	19.5
7 10	20 0.31	−21 34.0	1.529	2.536	4.0	19.2
7 20	19 49.42	−21 2.4	1.505	2.521	0.8	18.9
7 30	19 38.63	−20 27.5	1.508	2.505	5.6	19.2
8 9	19 29.19	−19 49.6	1.538	2.490	10.2	19.5
8 19	19 22.06	−19 10.4	1.590	2.475	14.2	19.7

277497 2005 WM_{118} 7 18.3 179°.83 0°.9/17.9 18

6 10	20 21.14	−22 34.3	2.094	2.920	13.7	20.8
6 20	20 16.00	−22 47.2	2.011	2.921	10.7	20.6
6 30	20 8.61	−23 3.8	1.950	2.922	7.2	20.4
7 10	19 59.54	−23 21.0	1.915	2.922	3.4	20.2
7 20	19 49.62	−23 35.9	1.907	2.922	1.2	20.0
7 30	19 39.84	−23 45.8	1.927	2.921	5.0	20.3
8 9	19 31.22	−23 49.6	1.974	2.920	8.7	20.5
8 19	19 24.52	−23 47.2	2.045	2.918	12.0	20.7

215816 2004 TH_{277} 7 18.3 331°.46 3°.2/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 17.99	−26 15.0	1.633	2.483	15.8	20.1
6 20	20 14.38	−26 58.2	1.556	2.479	12.4	19.9
6 30	20 7.96	−27 45.3	1.499	2.475	8.5	19.6
7 10	19 59.38	−28 30.8	1.466	2.471	4.6	19.4
7 20	19 49.63	−29 8.8	1.458	2.468	3.6	19.3
7 30	19 40.02	−29 34.9	1.476	2.465	7.0	19.5
8 9	19 31.83	−29 47.0	1.518	2.462	11.0	19.8
8 19	19 26.04	−29 45.9	1.582	2.459	14.7	20.0

163172 2002 CV_{225} 7 18.3 226°.09 3°.6/16.9 17

6 10	20 23.42	−27 17.8	1.602	2.445	16.4	20.5
6 20	20 18.78	−27 57.4	1.519	2.438	13.0	20.3
6 30	20 11.05	−28 40.0	1.458	2.431	9.0	20.1
7 10	20 0.87	−29 19.6	1.419	2.423	5.0	19.8
7 20	19 49.32	−29 49.7	1.407	2.415	3.9	19.7
7 30	19 37.87	−30 5.9	1.420	2.406	7.4	19.9
8 9	19 27.98	−30 6.8	1.457	2.397	11.7	20.1
8 19	19 20.74	−29 54.0	1.517	2.388	15.6	20.3

89837 2002 CZ_{23} 7 18.3 249°.00 4°.1/20.3 17

6 10	20 16.84	− 8 41.2	1.993	2.794	15.2	20.5
6 20	20 12.84	− 8 37.1	1.895	2.781	12.4	20.3
6 30	20 6.63	− 8 46.9	1.817	2.767	9.2	20.0
7 10	19 58.71	− 9 10.6	1.762	2.753	6.0	19.8
7 20	19 49.77	− 9 46.9	1.734	2.738	4.1	19.7
7 30	19 40.76	−10 33.2	1.732	2.723	5.9	19.7
8 9	19 32.68	−11 25.6	1.757	2.707	9.3	19.9
8 19	19 26.35	−12 20.3	1.806	2.692	12.7	20.1

501834 2014 WQ_{128} 7 18.3 230°.68 1°.6/17.7 17

6 10	20 22.61	−23 33.0	1.638	2.478	16.3	22.4
6 20	20 17.96	−23 51.3	1.553	2.470	12.8	22.2
6 30	20 10.39	−24 14.4	1.487	2.461	8.7	21.9
7 10	20 0.54	−24 38.0	1.445	2.453	4.2	21.6
7 20	19 49.40	−24 57.5	1.429	2.443	2.0	21.5
7 30	19 38.33	−25 9.3	1.439	2.433	6.3	21.7
8 9	19 28.71	−25 11.8	1.475	2.423	10.9	21.9
8 19	19 21.57	−25 5.3	1.532	2.413	14.9	22.2

193664 2001 DR_{62} 7 18.3 232°.08 0°.8/18.7 18

6 10	20 18.07	−17 14.5	2.222	3.040	13.3	21.1
6 20	20 13.59	−17 28.3	2.125	3.029	10.5	20.9
6 30	20 7.02	−17 49.7	2.049	3.017	7.2	20.7
7 10	19 58.84	−18 16.8	1.999	3.005	3.5	20.4
7 20	19 49.75	−18 46.9	1.977	2.992	0.9	20.2
7 30	19 40.65	−19 17.2	1.983	2.979	4.6	20.5
8 9	19 32.46	−19 45.2	2.016	2.966	8.3	20.7
8 19	19 25.93	−20 9.3	2.073	2.952	11.7	20.8

256990 2008 ET_{137} 7 18.3 318°.84 5°.1/21.1 18

6 10	20 12.67	− 5 31.5	2.063	2.858	14.9	20.7
6 20	20 9.43	− 5 20.7	1.972	2.850	12.4	20.5
6 30	20 4.24	− 5 24.8	1.901	2.841	9.5	20.3
7 10	19 57.55	− 5 44.7	1.853	2.833	6.7	20.1
7 20	19 50.03	− 6 19.7	1.829	2.825	5.2	20.0
7 30	19 42.52	− 7 7.3	1.833	2.817	6.3	20.0
8 9	19 35.89	− 8 3.8	1.862	2.810	9.0	20.2
8 19	19 30.85	− 9 4.9	1.914	2.802	12.0	20.4

348391 2005 GU_{115} 7 18.3 252°.70 2°.5/17.1 18

6 10	20 18.35	−25 47.0	2.074	2.910	13.5	21.5
6 20	20 14.07	−26 22.6	1.986	2.901	10.6	21.3
6 30	20 7.47	−27 1.4	1.919	2.892	7.2	21.0
7 10	19 59.08	−27 39.0	1.878	2.883	3.8	20.8
7 20	19 49.71	−28 11.3	1.864	2.874	2.7	20.7
7 30	19 40.38	−28 34.6	1.877	2.865	5.8	20.9
8 9	19 32.14	−28 47.3	1.916	2.855	9.3	21.1
8 19	19 25.82	−28 49.5	1.978	2.845	12.6	21.3

253733 2003 WS_{29} 7 18.3 196°.66 0°.8/18.0 17

6 10	20 21.99	−22 3.6	1.702	2.538	15.9	21.4
6 20	20 17.22	−22 15.0	1.621	2.536	12.5	21.2
6 30	20 9.73	−22 31.5	1.561	2.534	8.4	21.0
7 10	20 0.16	−22 49.7	1.525	2.532	3.9	20.7
7 20	19 49.50	−23 5.8	1.514	2.530	1.3	20.5
7 30	19 39.00	−23 16.7	1.531	2.527	5.8	20.8
8 9	19 29.90	−23 20.7	1.573	2.524	10.2	21.0
8 19	19 23.15	−23 18.0	1.638	2.520	14.0	21.3

173580 2001 CD_{1} 7 18.3 195°.60 1°.8/17.6 17

6 10	20 22.34	−23 46.8	1.755	2.591	15.5	20.5
6 20	20 17.48	−24 11.7	1.674	2.589	12.2	20.3
6 30	20 9.91	−24 41.1	1.614	2.587	8.2	20.1
7 10	20 0.25	−25 10.6	1.578	2.585	4.0	19.8
7 20	19 49.48	−25 35.7	1.568	2.582	2.1	19.7
7 30	19 38.86	−25 52.7	1.585	2.578	6.0	19.9
8 9	19 29.62	−26 0.1	1.628	2.574	10.2	20.2
8 19	19 22.71	−25 58.2	1.694	2.570	14.0	20.4

21797 1999 SW_{11} 7 18.3 262°.40 4°.0/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 20.41	−26 55.3	1.579	2.428	16.4	18.1
6 20	20 16.54	−27 52.3	1.496	2.418	12.9	17.9
6 30	20 9.62	−28 54.3	1.434	2.409	9.0	17.6
7 10	20 0.25	−29 54.7	1.396	2.399	5.2	17.4
7 20	19 49.47	−30 46.2	1.382	2.389	4.4	17.3
7 30	19 38.68	−31 23.0	1.394	2.379	7.8	17.5
8 9	19 29.38	−31 42.5	1.431	2.369	12.0	17.7
8 19	19 22.68	−31 45.6	1.488	2.359	15.8	17.9

495811 2017 FF_{102} 7 18.3 13°.83 22°.2/ 6.8 17

6 10	20 32.73	−54 55.5	0.948	1.789	25.2	20.6
6 20	20 31.63	−58 14.8	0.917	1.790	23.5	20.5
6 30	20 23.09	−61 7.9	0.902	1.791	22.4	20.4
7 10	20 7.58	−63 12.4	0.902	1.793	22.2	20.4
7 20	19 47.91	−64 11.3	0.916	1.795	23.0	20.5
7 30	19 29.13	−63 59.2	0.944	1.797	24.4	20.6
8 9	19 15.90	−62 46.2	0.984	1.801	26.1	20.7
8 19	19 10.16	−60 49.0	1.036	1.804	27.9	20.9

165078 2000 GN_{11} 7 18.3 167°.82 4°.3/16.2 17

6 10	20 21.24	−32 14.3	2.281	3.108	12.7	20.8
6 20	20 16.10	−32 56.6	2.205	3.111	10.1	20.6
6 30	20 8.69	−33 37.0	2.151	3.114	7.2	20.5
7 10	19 59.59	−34 10.5	2.123	3.116	4.9	20.3
7 20	19 49.65	−34 32.9	2.122	3.118	4.5	20.3
7 30	19 39.89	−34 41.4	2.149	3.119	6.6	20.4
8 9	19 31.32	−34 35.8	2.201	3.120	9.4	20.6
8 19	19 24.69	−34 17.7	2.277	3.121	12.0	20.8

417920 2007 RB_{215} 7 18.3 244°.04 4°.0/17.0 17

6 10	20 24.08	−28 45.4	1.538	2.384	16.9	21.6
6 20	20 19.45	−29 14.7	1.456	2.375	13.4	21.4
6 30	20 11.57	−29 44.9	1.394	2.367	9.3	21.1
7 10	20 1.15	−30 9.8	1.355	2.358	5.4	20.9
7 20	19 49.32	−30 23.3	1.341	2.349	4.3	20.8
7 30	19 37.63	−30 21.7	1.353	2.339	7.7	21.0
8 9	19 27.62	−30 4.4	1.389	2.330	12.0	21.2
8 19	19 20.42	−29 34.2	1.446	2.320	16.0	21.4

146921 Michaelbuckley 7 18.3 224°.31 0°.8/17.9 18

6 10	20 16.47	−22 10.6	2.548	3.371	11.6	21.2
6 20	20 12.07	−22 31.7	2.456	3.365	9.1	21.0
6 30	20 5.84	−22 56.5	2.387	3.358	6.1	20.8
7 10	19 58.26	−23 22.6	2.344	3.351	2.8	20.6
7 20	19 49.94	−23 47.3	2.329	3.344	1.1	20.4
7 30	19 41.66	−24 8.1	2.343	3.336	4.3	20.6
8 9	19 34.22	−24 23.5	2.384	3.329	7.5	20.8
8 19	19 28.26	−24 32.8	2.450	3.320	10.4	21.0

38777 2000 RS_{17} 7 18.3 244°.67 7°.2/21.9 18

6 10	20 16.48	− 0 6.9	2.161	2.919	15.4	20.3
6 20	20 12.38	+ 0 22.0	2.060	2.904	13.3	20.2
6 30	20 6.25	+ 0 34.4	1.977	2.889	10.8	20.0
7 10	19 58.53	+ 0 28.0	1.918	2.872	8.5	19.8
7 20	19 49.87	+ 0 2.1	1.883	2.856	7.3	19.7
7 30	19 41.13	− 0 42.3	1.874	2.838	7.9	19.7
8 9	19 33.19	− 1 41.5	1.891	2.821	10.1	19.8
8 19	19 26.83	− 2 51.0	1.932	2.803	12.7	19.9

494443 2016 UG_{116} 7 18.3 196°.98 4°.7/15.8 18

6 10	20 19.21	−32 36.1	2.217	3.049	12.8	21.7
6 20	20 14.67	−33 27.5	2.140	3.049	10.2	21.5
6 30	20 7.82	−34 17.2	2.085	3.048	7.4	21.4
7 10	19 59.24	−35 0.1	2.056	3.047	5.2	21.2
7 20	19 49.75	−35 31.4	2.054	3.047	4.9	21.2
7 30	19 40.40	−35 47.9	2.078	3.046	7.0	21.3
8 9	19 32.21	−35 49.1	2.128	3.045	9.7	21.5
8 19	19 25.98	−35 36.2	2.201	3.044	12.4	21.7

457649 2009 CK_{8} 7 18.3 97°.31 1°.4/18.8 17

6 10	20 22.71	−17 39.9	1.420	2.259	18.4	21.5
6 20	20 17.97	−17 29.4	1.356	2.271	14.5	21.3
6 30	20 10.27	−17 27.8	1.311	2.283	9.9	21.0
7 10	20 0.41	−17 33.1	1.288	2.294	4.9	20.8
7 20	19 49.53	−17 42.4	1.290	2.306	1.6	20.6
7 30	19 39.05	−17 53.0	1.318	2.317	6.1	20.9
8 9	19 30.29	−18 2.5	1.371	2.328	10.8	21.2
8 19	19 24.15	−18 9.8	1.445	2.338	14.9	21.5

277642 2006 BU_{109} 7 18.3 85°.15 0°.8/17.9 17

6 10	20 18.17	−20 46.6	1.762	2.601	15.4	21.3
6 20	20 14.10	−21 17.3	1.689	2.606	12.0	21.0
6 30	20 7.55	−21 55.2	1.636	2.611	8.0	20.8
7 10	19 59.14	−22 36.4	1.608	2.616	3.7	20.6
7 20	19 49.78	−23 16.5	1.606	2.621	1.3	20.4
7 30	19 40.60	−23 51.5	1.631	2.626	5.5	20.7
8 9	19 32.72	−24 18.7	1.681	2.631	9.6	21.0
8 19	19 26.97	−24 37.2	1.754	2.637	13.2	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
372365 2009 JH_2			7 18.3 25.°54	6.°1/16.4 17		
	h m	° ′			°	m
6 10	20 16.78	−29 7.6	1.003	1.888	20.8	19.9
6 20	20 14.70	−30 12.5	0.958	1.899	16.4	19.7
6 30	20 8.72	−31 18.6	0.931	1.912	11.5	19.5
7 10	19 59.85	−32 16.2	0.923	1.926	7.2	19.3
7 20	19 49.65	−32 55.9	0.937	1.942	6.5	19.3
7 30	19 40.10	−33 12.4	0.972	1.958	10.0	19.5
8 9	19 32.94	−33 5.9	1.027	1.976	14.4	19.9
8 19	19 29.21	−32 40.3	1.101	1.995	18.4	20.2
253577 2003 SM_{311}			7 18.3 235.°93	3.°8/16.8 17		
6 10	20 23.82	−28 22.8	1.811	2.647	15.2	21.6
6 20	20 18.86	−29 2.7	1.720	2.634	12.0	21.4
6 30	20 11.02	−29 44.5	1.651	2.621	8.4	21.2
7 10	20 0.88	−30 22.5	1.606	2.607	4.9	20.9
7 20	19 49.41	−30 51.0	1.587	2.593	4.0	20.8
7 30	19 37.94	−31 5.6	1.594	2.578	7.2	21.0
8 9	19 27.82	−31 5.0	1.628	2.562	11.1	21.2
8 19	19 20.12	−30 50.8	1.683	2.546	14.7	21.4
79337 1996 TZ_{20}			7 18.3 257.°69	0.°3/18.2 18		
6 10	20 16.83	−20 38.6	2.188	3.016	13.1	19.3
6 20	20 12.65	−20 51.4	2.098	3.009	10.3	19.1
6 30	20 6.39	−21 9.3	2.029	3.001	6.9	18.8
7 10	19 58.57	−21 29.9	1.986	2.994	3.2	18.6
7 20	19 49.90	−21 50.5	1.970	2.986	0.8	18.4
7 30	19 41.29	−22 8.5	1.982	2.978	4.6	18.7
8 9	19 33.66	−22 22.0	2.021	2.970	8.3	18.9
8 19	19 27.73	−22 30.4	2.084	2.963	11.6	19.1
511736 2015 DR_{55}			7 18.3 235.°42	0.°7/18.1 17		
6 10	20 21.25	−21 30.3	1.782	2.615	15.4	21.8
6 20	20 16.67	−21 44.8	1.691	2.605	12.2	21.6
6 30	20 9.43	−22 5.1	1.622	2.595	8.2	21.3
7 10	20 0.11	−22 28.0	1.577	2.585	3.8	21.0
7 20	19 49.61	−22 49.6	1.558	2.573	1.2	20.8
7 30	19 39.13	−23 6.6	1.566	2.562	5.7	21.1
8 9	19 29.91	−23 16.9	1.600	2.550	10.1	21.3
8 19	19 22.92	−23 20.2	1.657	2.537	14.0	21.5
513429 2008 UM_{141}			7 18.3 294.°81	1.°3/17.8 18		
6 10	20 17.62	−22 22.3	1.712	2.556	15.5	21.7
6 20	20 14.14	−22 46.4	1.612	2.533	12.2	21.4
6 30	20 7.93	−23 17.2	1.533	2.509	8.3	21.1
7 10	19 59.51	−23 51.1	1.478	2.486	4.0	20.8
7 20	19 49.72	−24 23.6	1.447	2.462	1.7	20.6
7 30	19 39.78	−24 50.3	1.443	2.438	6.1	20.8
8 9	19 31.00	−25 8.5	1.464	2.415	10.7	21.0
8 19	19 24.45	−25 17.2	1.507	2.392	14.8	21.2
189369 2008 EO_{150}			7 18.3 58.°23	6.°5/21.1 17		
6 10	20 15.97	− 3 46.6	2.121	2.900	15.1	19.8
6 20	20 11.73	− 2 51.7	2.050	2.911	12.7	19.6
6 30	20 5.61	− 2 10.4	1.999	2.923	10.0	19.5
7 10	19 58.15	− 1 44.6	1.971	2.935	7.7	19.4
7 20	19 50.05	− 1 34.9	1.968	2.946	6.5	19.3
7 30	19 42.13	− 1 40.8	1.991	2.959	7.3	19.4
8 9	19 35.21	− 1 59.8	2.040	2.971	9.4	19.5
8 19	19 29.90	− 2 28.5	2.112	2.983	11.8	19.7
476197 2007 UW_{45}			7 18.3 322.°92	6.°6/15.6 18		
6 10	20 19.87	−34 58.5	1.712	2.558	15.4	21.0
6 20	20 16.05	−35 52.3	1.634	2.549	12.5	20.7
6 30	20 9.22	−36 42.9	1.577	2.539	9.4	20.5
7 10	20 0.06	−37 23.0	1.543	2.531	7.0	20.4
7 20	19 49.63	−37 46.2	1.533	2.522	6.8	20.3
7 30	19 39.35	−37 48.4	1.548	2.514	9.1	20.5
8 9	19 30.63	−37 29.7	1.587	2.506	12.3	20.6
8 19	19 24.51	−36 53.2	1.646	2.499	15.5	20.8
164993 2000 BW_9			7 18.3 194.°22	0.°3/18.5 17		
6 10	20 17.36	−18 52.3	2.002	2.831	14.2	21.2
6 20	20 13.19	−19 5.7	1.919	2.830	11.1	21.0
6 30	20 6.82	−19 26.1	1.858	2.830	7.5	20.7
7 10	19 58.80	−19 50.9	1.822	2.829	3.5	20.5
7 20	19 49.92	−20 17.3	1.813	2.829	0.7	20.3
7 30	19 41.15	−20 42.3	1.831	2.828	4.8	20.6
8 9	19 33.47	−21 3.5	1.875	2.827	8.7	20.8
8 19	19 27.64	−21 19.9	1.943	2.826	12.1	21.0
440909 2006 VP_{63}			7 18.3 296.°68	4.°0/19.9 18		
6 10	20 15.62	−10 39.2	2.058	2.866	14.5	21.1
6 20	20 11.77	−10 7.5	1.964	2.856	11.8	20.9
6 30	20 5.85	− 9 45.7	1.892	2.845	8.8	20.6
7 10	19 58.36	− 9 34.2	1.843	2.834	5.7	20.4
7 20	19 50.01	− 9 33.0	1.820	2.823	4.0	20.3
7 30	19 41.67	− 9 41.1	1.823	2.813	5.8	20.4
8 9	19 34.28	− 9 56.2	1.853	2.802	9.0	20.6
8 19	19 28.56	−10 16.2	1.906	2.792	12.2	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
348095 2003 WV_{193}			7 18.3 259.°16	2.°0/19.2 18		
	h m	° ′			°	m
6 10	20 16.95	−15 5.7	1.997	2.818	14.5	21.7
6 20	20 12.89	−15 0.4	1.907	2.810	11.5	21.5
6 30	20 6.65	−15 3.8	1.838	2.803	8.1	21.2
7 10	19 58.75	−15 14.7	1.793	2.796	4.3	21.0
7 20	19 49.94	−15 31.6	1.775	2.788	2.0	20.8
7 30	19 41.18	−15 51.9	1.784	2.781	5.0	21.0
8 9	19 33.44	−16 13.3	1.820	2.773	8.8	21.2
8 19	19 27.50	−16 33.9	1.879	2.766	12.3	21.4
358398 2007 BD_6			7 18.3 107.°81	1.°3/18.8 18		
6 10	20 18.72	−18 2.2	2.394	3.208	12.6	20.5
6 20	20 13.70	−17 38.3	2.315	3.216	9.9	20.3
6 30	20 6.85	−17 18.6	2.258	3.223	6.8	20.1
7 10	19 58.72	−17 2.4	2.227	3.230	3.4	19.9
7 20	19 49.98	−16 48.6	2.223	3.238	1.4	19.8
7 30	19 41.45	−16 36.5	2.249	3.245	4.2	20.0
8 9	19 33.89	−16 25.4	2.302	3.252	7.4	20.2
8 19	19 27.92	−16 14.8	2.381	3.259	10.4	20.4
199813 2007 DN_{28}			7 18.3 347.°40	3.°0/17.5 17		
6 10	20 14.62	−24 23.6	0.956	1.845	21.3	20.2
6 20	20 13.35	−24 51.4	0.892	1.837	16.8	19.9
6 30	20 8.17	−25 26.7	0.844	1.830	11.5	19.5
7 10	19 59.83	−26 3.3	0.815	1.825	5.7	19.2
7 20	19 49.72	−26 33.3	0.807	1.820	3.5	19.1
7 30	19 39.83	−26 50.4	0.819	1.817	8.7	19.4
8 9	19 32.15	−26 52.0	0.851	1.815	14.4	19.7
8 19	19 28.00	−26 39.3	0.900	1.815	19.5	20.0
318571 2005 GO_{139}			7 18.3 166.°05	4.°0/20.5 16		
6 10	20 16.01	− 7 54.8	2.279	3.070	13.8	21.2
6 20	20 11.77	− 7 47.1	2.194	3.073	11.3	21.0
6 30	20 5.67	− 7 51.6	2.131	3.075	8.4	20.9
7 10	19 58.23	− 8 8.3	2.091	3.078	5.6	20.7
7 20	19 50.07	− 8 35.9	2.079	3.079	4.0	20.6
7 30	19 42.00	− 9 12.5	2.094	3.081	5.3	20.7
8 9	19 34.81	− 9 54.8	2.136	3.082	8.1	20.9
8 19	19 29.14	−10 39.7	2.202	3.083	11.0	21.0
328254 2008 FM_{112}			7 18.3 322.°45	2.°8/19.6 17		
6 10	20 13.78	−12 24.5	1.320	2.168	19.0	20.3
6 20	20 11.57	−12 38.4	1.237	2.155	15.3	20.0
6 30	20 6.42	−13 10.4	1.172	2.143	10.9	19.7
7 10	19 58.89	−13 59.7	1.127	2.131	6.1	19.4
7 20	19 49.91	−15 2.4	1.106	2.120	2.9	19.1
7 30	19 40.88	−16 12.7	1.109	2.109	6.6	19.3
8 9	19 33.24	−17 23.6	1.135	2.099	11.6	19.6
8 19	19 28.13	−18 29.6	1.181	2.090	16.3	19.8
386147 2007 TM_{191}			7 18.3 41.°29	6.°6/16.3 18		
6 10	20 24.22	−36 50.8	1.744	2.581	15.6	20.3
6 20	20 19.17	−37 26.6	1.678	2.585	12.6	20.1
6 30	20 11.11	−37 55.7	1.633	2.590	9.6	20.0
7 10	20 0.84	−38 11.4	1.611	2.595	7.1	19.8
7 20	19 49.57	−38 8.4	1.614	2.601	6.8	19.8
7 30	19 38.74	−37 44.7	1.642	2.606	8.8	20.0
8 9	19 29.70	−37 2.1	1.694	2.612	11.8	20.1
8 19	19 23.34	−36 5.0	1.768	2.618	14.7	20.4
345971 Marktorrence			7 18.3 345.°56	0.°4/18.5 18		
6 10	20 17.27	−19 43.7	1.757	2.595	15.4	20.9
6 20	20 13.43	−19 41.2	1.676	2.593	12.1	20.7
6 30	20 7.14	−19 44.8	1.617	2.590	8.2	20.5
7 10	19 59.01	−19 52.3	1.581	2.588	3.9	20.2
7 20	19 49.93	−20 1.2	1.570	2.586	0.8	20.0
7 30	19 41.00	−20 9.0	1.586	2.585	5.2	20.3
8 9	19 33.32	−20 14.0	1.628	2.583	9.5	20.5
8 19	19 27.73	−20 15.5	1.692	2.582	13.2	20.8
242669 2005 SE_{104}			7 18.3 225.°04	1.°2/17.7 18		
6 10	20 16.76	−23 16.3	2.384	3.211	12.2	21.6
6 20	20 12.45	−23 37.2	2.297	3.208	9.5	21.4
6 30	20 6.19	−24 1.4	2.232	3.204	6.4	21.2
7 10	19 58.50	−24 26.1	2.194	3.201	3.0	20.9
7 20	19 50.05	−24 48.4	2.183	3.197	1.4	20.8
7 30	19 41.68	−25 5.7	2.200	3.193	4.6	21.0
8 9	19 34.24	−25 16.6	2.245	3.189	7.9	21.2
8 19	19 28.41	−25 20.8	2.313	3.185	10.9	21.4
474477 2003 SD_{243}			7 18.3 336.°58	2.°1/17.7 18		
6 10	20 14.49	−24 27.8	1.352	2.219	17.6	21.1
6 20	20 12.24	−24 42.6	1.270	2.203	13.9	20.8
6 30	20 6.91	−25 2.1	1.207	2.188	9.4	20.5
7 10	19 59.11	−25 22.0	1.166	2.175	4.6	20.2
7 20	19 49.91	−25 37.3	1.148	2.162	2.5	20.0
7 30	19 40.77	−25 44.0	1.154	2.151	7.0	20.3
8 9	19 33.19	−25 40.3	1.182	2.140	12.0	20.5
8 19	19 28.30	−25 26.7	1.231	2.131	16.4	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
417884 2007 QB_{12}			7 18.3 354.°60		3.°3/18.8 17	
	h m	° ′			°	m
6 10	20 13.04	−18 30.0	0.905	1.793	22.3	19.6
6 20	20 11.95	−17 28.1	0.842	1.785	17.8	19.3
6 30	20 7.08	−16 32.8	0.796	1.779	12.5	19.0
7 10	19 59.27	−15 45.4	0.767	1.775	6.7	18.7
7 20	19 49.89	−15 6.6	0.758	1.772	3.4	18.5
7 30	19 40.83	−14 36.7	0.770	1.772	8.1	18.7
8 9	19 33.91	−14 14.8	0.801	1.773	13.8	19.1
8 19	19 30.32	−13 59.4	0.849	1.776	19.0	19.4
261018 2005 SP_{118}			7 18.3 333.°81		2.°7/19.9 18	
6 10	20 13.05	−10 58.5	1.923	2.742	15.0	20.0
6 20	20 9.96	−11 19.8	1.835	2.736	12.1	19.8
6 30	20 4.75	−11 55.4	1.768	2.729	8.6	19.6
7 10	19 57.92	−12 44.0	1.724	2.723	5.0	19.4
7 20	19 50.17	−13 42.8	1.706	2.717	2.7	19.2
7 30	19 42.43	−14 47.6	1.715	2.712	5.1	19.4
8 9	19 35.66	−15 53.8	1.750	2.707	8.8	19.6
8 19	19 30.63	−16 57.2	1.809	2.703	12.3	19.8
507746 2013 YP_{11}			7 18.3 209.°13		1.°9/17.3 18	
6 10	20 20.37	−24 46.0	2.411	3.232	12.3	22.5
6 20	20 15.33	−25 23.2	2.318	3.225	9.6	22.3
6 30	20 8.20	−26 3.8	2.248	3.218	6.5	22.1
7 10	19 59.47	−26 43.9	2.205	3.210	3.3	21.9
7 20	19 49.86	−27 19.7	2.190	3.201	2.2	21.8
7 30	19 40.26	−27 48.1	2.203	3.191	5.1	22.0
8 9	19 31.58	−28 7.3	2.244	3.181	8.3	22.1
8 19	19 24.59	−28 17.1	2.310	3.170	11.3	22.3
214790 2006 UR_{162}			7 18.3 307.°53		0.°6/18.6 18	
6 10	20 15.40	−17 48.5	1.962	2.793	14.3	21.0
6 20	20 11.80	−18 2.9	1.873	2.786	11.3	20.8
6 30	20 5.99	−18 25.5	1.806	2.778	7.7	20.6
7 10	19 58.49	−18 54.1	1.764	2.770	3.7	20.3
7 20	19 50.06	−19 25.8	1.747	2.763	0.8	20.1
7 30	19 41.67	−19 57.3	1.758	2.755	4.9	20.3
8 9	19 34.31	−20 25.8	1.794	2.748	8.8	20.6
8 19	19 28.77	−20 49.7	1.854	2.741	12.4	20.8
35452 1998 DF_{10}			7 18.3 297.°97		8.°2/22.3 18	
6 10	20 13.86	− 0 10.9	1.700	2.484	18.1	18.0
6 20	20 10.94	+ 0 15.3	1.605	2.467	15.6	17.7
6 30	20 5.63	+ 0 20.5	1.528	2.450	12.7	17.5
7 10	19 58.42	+ 0 1.4	1.471	2.434	9.9	17.3
7 20	19 50.06	− 0 42.8	1.438	2.418	8.3	17.2
7 30	19 41.57	− 1 50.1	1.428	2.402	9.0	17.2
8 9	19 34.09	− 3 15.2	1.443	2.386	11.5	17.3
8 19	19 28.54	− 4 50.9	1.480	2.370	14.8	17.5
182774 2001 XC_{253}			7 18.3 227.°57		0.°7/18.8 18	
6 10	20 15.77	−16 56.5	2.564	3.377	11.9	21.5
6 20	20 11.53	−17 12.2	2.467	3.369	9.3	21.3
6 30	20 5.52	−17 34.6	2.394	3.360	6.4	21.1
7 10	19 58.19	−18 2.2	2.346	3.351	3.1	20.9
7 20	19 50.13	−18 32.6	2.327	3.342	0.9	20.7
7 30	19 42.08	−19 3.4	2.336	3.333	4.0	20.9
8 9	19 34.80	−19 32.3	2.373	3.323	7.2	21.1
8 19	19 28.91	−19 57.9	2.435	3.313	10.2	21.3
135132 2001 QJ_{177}			7 18.3 285.°08		4.°4/16.5 18	
6 10	20 20.30	−31 35.8	2.012	2.848	13.8	20.0
6 20	20 15.86	−32 8.1	1.921	2.833	11.0	19.8
6 30	20 8.86	−32 39.0	1.852	2.819	7.9	19.5
7 10	19 59.87	−33 3.4	1.808	2.804	5.1	19.4
7 20	19 49.79	−33 16.5	1.789	2.790	4.6	19.3
7 30	19 39.76	−33 15.3	1.798	2.775	7.1	19.4
8 9	19 30.97	−32 59.3	1.831	2.761	10.4	19.6
8 19	19 24.34	−32 30.4	1.888	2.746	13.5	19.8
508778 1999 VQ_{19}			7 18.3 277.°54		1.°3/17.7 18	
6 10	20 17.49	−22 3.5	1.871	2.710	14.6	21.6
6 20	20 13.68	−22 35.8	1.781	2.698	11.5	21.4
6 30	20 7.41	−23 14.7	1.712	2.686	7.7	21.2
7 10	19 59.21	−23 56.5	1.667	2.675	3.7	20.9
7 20	19 49.91	−24 36.6	1.649	2.663	1.7	20.7
7 30	19 40.60	−25 11.0	1.657	2.651	5.6	21.0
8 9	19 32.42	−25 36.9	1.691	2.640	9.7	21.2
8 19	19 26.26	−25 53.4	1.748	2.628	13.4	21.4
420454 2012 DD_{64}			7 18.3 166.°48		3.°1/17.1 17	
6 10	20 24.47	−26 57.8	1.868	2.699	14.9	22.4
6 20	20 19.03	−27 36.2	1.792	2.704	11.7	22.2
6 30	20 10.91	−28 16.5	1.738	2.709	8.0	22.0
7 10	20 0.78	−28 53.6	1.709	2.712	4.4	21.8
7 20	19 49.62	−29 22.4	1.707	2.715	3.3	21.8
7 30	19 38.67	−29 39.2	1.732	2.718	6.4	22.0
8 9	19 29.14	−29 43.2	1.783	2.719	10.1	22.2
8 19	19 21.92	−29 35.4	1.858	2.720	13.5	22.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
71048 1999 XA_{87}			7 18.3 287.°88		2.°5/18.9 18	
	h m	° ′			°	m
6 10	20 19.67	−16 19.0	1.880	2.703	15.2	18.6
6 20	20 15.31	−15 42.3	1.776	2.681	12.2	18.3
6 30	20 8.49	−15 10.8	1.693	2.659	8.6	18.1
7 10	19 59.73	−14 44.4	1.635	2.636	4.8	17.8
7 20	19 49.81	−14 22.9	1.602	2.614	2.6	17.6
7 30	19 39.83	−14 5.7	1.596	2.592	5.7	17.7
8 9	19 30.90	−13 52.1	1.617	2.569	9.8	17.9
8 19	19 23.95	−13 41.3	1.661	2.547	13.7	18.1
320435 2007 VL_{110}			7 18.3 160.°30		4.°8/16.3 17	
6 10	20 22.93	−28 55.9	1.570	2.416	16.6	21.2
6 20	20 18.46	−29 57.4	1.500	2.419	13.1	21.0
6 30	20 10.87	−31 1.1	1.450	2.421	9.2	20.7
7 10	20 0.88	−31 59.8	1.424	2.423	5.7	20.5
7 20	19 49.60	−32 46.0	1.423	2.425	5.1	20.5
7 30	19 38.53	−33 14.5	1.447	2.427	8.1	20.7
8 9	19 29.11	−33 24.1	1.496	2.428	12.0	20.9
8 19	19 22.41	−33 16.8	1.565	2.429	15.6	21.2
437601 2014 BU_{5}			7 18.3 225.°63		0.°3/18.5 16	
6 10	20 17.42	−17 16.5	2.064	2.887	14.0	21.7
6 20	20 13.29	−17 49.0	1.973	2.881	11.0	21.5
6 30	20 6.96	−18 30.9	1.905	2.874	7.5	21.2
7 10	19 58.95	−19 19.5	1.861	2.868	3.6	21.0
7 20	19 49.99	−20 11.0	1.845	2.861	0.7	20.7
7 30	19 41.03	−21 1.4	1.857	2.853	4.8	21.0
8 9	19 33.04	−21 47.3	1.895	2.846	8.7	21.3
8 19	19 26.83	−22 26.4	1.958	2.838	12.2	21.5
265227 2004 CO_{118}			7 18.3 189.°61		1.°9/17.7 17	
6 10	20 23.02	−25 1.8	1.725	2.562	15.7	21.0
6 20	20 18.06	−25 13.4	1.646	2.562	12.3	20.8
6 30	20 10.34	−25 27.4	1.588	2.561	8.4	20.5
7 10	20 0.55	−25 39.8	1.553	2.560	4.1	20.3
7 20	19 49.69	−25 46.6	1.545	2.559	2.2	20.1
7 30	19 39.04	−25 45.1	1.564	2.557	6.0	20.4
8 9	19 29.87	−25 34.8	1.608	2.555	10.2	20.6
8 19	19 23.07	−25 16.7	1.675	2.553	14.0	20.9
270371 2001 YR_{159}			7 18.3 320.°44		8.°3/13.9 18	
6 10	20 21.32	−36 28.1	1.649	2.494	16.0	20.1
6 20	20 17.52	−38 8.2	1.580	2.491	13.1	19.9
6 30	20 10.47	−39 46.1	1.533	2.488	10.3	19.8
7 10	20 0.79	−41 11.9	1.509	2.485	8.4	19.7
7 20	19 49.61	−42 16.5	1.509	2.482	8.7	19.7
7 30	19 38.51	−42 53.9	1.533	2.479	10.9	19.8
8 9	19 29.07	−43 3.6	1.580	2.477	13.8	20.0
8 19	19 22.48	−42 49.0	1.647	2.474	16.6	20.1
450154 2000 AM_{49}			7 18.3 295.°21		6.°0/17.8 17	
6 10	20 30.88	−18 37.1	1.122	1.967	21.8	20.8
6 20	20 26.48	−16 40.2	1.011	1.928	18.1	20.4
6 30	20 17.65	−14 32.2	0.918	1.888	13.3	20.0
7 10	20 4.71	−12 14.0	0.846	1.847	8.2	19.5
7 20	19 48.74	− 9 50.2	0.798	1.806	6.2	19.3
7 30	19 31.80	− 7 29.6	0.774	1.764	11.0	19.4
8 9	19 16.37	− 5 22.3	0.773	1.722	17.8	19.5
8 19	19 4.53	− 3 35.9	0.791	1.680	24.2	19.7
70157 1999 NV_{37}			7 18.3 347.°12		0.°6/18.1 18	
6 10	20 13.32	−17 32.0	1.164	2.033	19.7	18.0
6 20	20 11.62	−18 26.0	1.093	2.026	15.5	17.7
6 30	20 6.67	−19 37.7	1.039	2.020	10.5	17.4
7 10	19 59.08	−21 1.8	1.006	2.016	4.9	17.0
7 20	19 49.96	−22 30.3	0.996	2.012	1.3	16.8
7 30	19 40.89	−23 53.9	1.009	2.009	7.2	17.2
8 9	19 33.48	−25 5.3	1.044	2.007	12.7	17.5
8 19	19 28.97	−26 0.6	1.099	2.006	17.4	17.7
508287 2015 KY_{6}			7 18.3 198.°74		2.°8/19.3 18	
6 10	20 19.71	−14 4.1	2.028	2.839	14.6	21.4
6 20	20 14.93	−13 37.9	1.941	2.838	11.7	21.2
6 30	20 7.96	−13 19.5	1.875	2.836	8.3	21.0
7 10	19 59.38	−13 8.7	1.835	2.833	4.8	20.8
7 20	19 49.94	−13 4.7	1.820	2.830	2.8	20.7
7 30	19 40.61	−13 6.2	1.834	2.827	5.2	20.8
8 9	19 32.36	−13 11.6	1.874	2.824	8.8	21.0
8 19	19 25.94	−13 19.2	1.938	2.820	12.2	21.2
475204 2005 VU_{15}			7 18.4 177.°55		5.°1/21.3 18	
6 10	20 14.87	− 2 46.2	2.938	3.692	11.9	21.7
6 20	20 10.46	− 2 15.7	2.848	3.694	10.0	21.6
6 30	20 4.60	− 1 56.2	2.780	3.695	7.9	21.4
7 10	19 57.71	− 1 48.7	2.736	3.696	6.1	21.3
7 20	19 50.29	− 1 53.2	2.720	3.696	5.1	21.2
7 30	19 42.92	− 2 9.0	2.731	3.696	5.7	21.3
8 9	19 36.20	− 2 34.2	2.769	3.695	7.4	21.4
8 19	19 30.65	− 3 6.3	2.833	3.695	9.4	21.5

93356 2000 SM_{260} 7 18.4 90°.95 12°.6/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 29.74	−50 12.9	1.795	2.599	16.5	18.8
6 20	20 24.78	−52 12.4	1.746	2.604	14.7	18.7
6 30	20 15.72	−53 57.8	1.716	2.608	13.2	18.6
7 10	20 3.34	−55 17.8	1.708	2.613	12.6	18.6
7 20	19 49.13	−56 3.7	1.722	2.617	13.0	18.6
7 30	19 35.24	−56 11.8	1.757	2.622	14.3	18.7
8 9	19 23.71	−55 45.0	1.812	2.626	15.9	18.9
8 19	19 15.89	−54 50.1	1.884	2.630	17.7	19.0

186953 2004 RP_{69} 7 18.4 276°.41 2°.7/19.9 18

6 10	20 13.72	−10 47.3	2.352	3.157	13.1	20.2
6 20	20 10.08	−10 57.5	2.257	3.148	10.5	20.0
6 30	20 4.64	−11 18.9	2.183	3.139	7.6	19.8
7 10	19 57.84	−11 50.7	2.134	3.130	4.5	19.6
7 20	19 50.27	−12 31.1	2.112	3.121	2.7	19.5
7 30	19 42.70	−13 17.5	2.118	3.112	4.6	19.6
8 9	19 35.90	−14 6.5	2.150	3.103	7.7	19.8
8 19	19 30.55	−14 55.3	2.208	3.094	10.8	19.9

515076 2010 RY_{85} 7 18.4 289°.45 3°.1/20.2 18

6 10	20 13.83	− 9 54.6	2.190	2.996	13.9	21.8
6 20	20 10.31	−10 3.1	2.097	2.987	11.2	21.6
6 30	20 4.87	−10 24.1	2.024	2.979	8.2	21.4
7 10	19 57.97	−10 57.1	1.976	2.970	5.0	21.2
7 20	19 50.25	−11 40.2	1.954	2.962	3.1	21.0
7 30	19 42.53	−12 30.4	1.960	2.954	5.0	21.1
8 9	19 35.65	−13 24.2	1.992	2.945	8.2	21.3
8 19	19 30.31	−14 18.0	2.049	2.937	11.4	21.5

40872 1999 TB_{121} 7 18.4 165°.28 0°.4/18.6 18

6 10	20 15.73	−18 15.0	2.647	3.462	11.5	19.7
6 20	20 11.37	−18 27.4	2.561	3.464	9.0	19.5
6 30	20 5.34	−18 45.3	2.499	3.467	6.1	19.4
7 10	19 58.10	−19 6.8	2.463	3.469	2.9	19.2
7 20	19 50.24	−19 29.8	2.455	3.471	0.6	19.0
7 30	19 42.48	−19 52.3	2.476	3.473	3.8	19.2
8 9	19 35.52	−20 12.5	2.525	3.474	6.9	19.4
8 19	19 29.93	−20 29.2	2.599	3.476	9.7	19.6

68295 2001 FY_{52} 7 18.4 336°.60 9°.8/24.9 18

6 10	20 12.02	+ 9 18.2	2.333	3.039	15.7	19.1
6 20	20 8.73	+10 1.2	2.247	3.035	14.1	19.0
6 30	20 3.71	+10 24.1	2.180	3.032	12.4	18.8
7 10	19 57.40	+10 24.0	2.132	3.029	10.8	18.7
7 20	19 50.38	+ 9 59.3	2.107	3.026	9.9	18.7
7 30	19 43.40	+ 9 10.8	2.106	3.023	9.9	18.7
8 9	19 37.20	+ 8 1.8	2.128	3.020	10.9	18.7
8 19	19 32.40	+ 6 37.5	2.173	3.018	12.5	18.8

291070 2005 YV_{104} 7 18.4 136°.93 0°.4/18.5 18

6 10	20 20.07	−19 27.4	1.848	2.678	15.1	21.1
6 20	20 15.44	−19 27.1	1.771	2.682	11.9	20.9
6 30	20 8.42	−19 32.9	1.715	2.686	8.0	20.7
7 10	19 59.63	−19 42.4	1.683	2.690	3.8	20.4
7 20	19 49.96	−19 53.1	1.678	2.694	0.8	20.2
7 30	19 40.48	−20 2.5	1.700	2.697	5.1	20.5
8 9	19 32.27	−20 9.1	1.748	2.700	9.1	20.8
8 19	19 26.12	−20 12.0	1.819	2.703	12.7	21.0

155858 2001 BT_{51} 7 18.4 268°.05 3°.0/19.9 18

6 10	20 15.13	−10 57.1	2.535	3.333	12.4	20.8
6 20	20 11.10	−10 47.9	2.427	3.313	10.1	20.6
6 30	20 5.31	−10 47.8	2.340	3.292	7.4	20.4
7 10	19 58.17	−10 56.7	2.278	3.271	4.6	20.2
7 20	19 50.23	−11 13.6	2.244	3.250	3.0	20.0
7 30	19 42.23	−11 37.1	2.238	3.229	4.7	20.1
8 9	19 34.91	−12 4.9	2.259	3.207	7.6	20.2
8 19	19 28.94	−12 34.9	2.305	3.186	10.6	20.4

297572 2001 RK_{103} 7 18.4 309°.71 0°.5/18.1 18 R

6 10	20 16.76	−21 12.9	1.916	2.753	14.4	20.4
6 20	20 12.96	−21 25.9	1.829	2.745	11.3	20.2
6 30	20 6.83	−21 44.4	1.764	2.738	7.6	20.0
7 10	19 58.94	−22 5.6	1.723	2.731	3.5	19.7
7 20	19 50.08	−22 26.3	1.709	2.724	1.0	19.5
7 30	19 41.31	−22 43.6	1.721	2.718	5.1	19.8
8 9	19 33.65	−22 55.5	1.759	2.711	9.1	20.0
8 19	19 27.93	−23 1.3	1.820	2.705	12.7	20.2

126749 Johnjones 7 18.4 297°.58 9°.0/15.2 18

6 10	20 27.67	−40 28.1	1.655	2.486	16.5	19.5
6 20	20 23.02	−41 19.2	1.554	2.453	14.0	19.2
6 30	20 14.57	−42 3.7	1.473	2.420	11.3	19.0
7 10	20 2.92	−42 31.7	1.415	2.386	9.3	18.8
7 20	19 49.28	−42 34.4	1.380	2.353	9.3	18.7
7 30	19 35.48	−42 6.2	1.369	2.319	11.5	18.7
8 9	19 23.49	−41 8.0	1.380	2.286	14.8	18.8
8 19	19 14.77	−39 45.6	1.412	2.252	18.2	19.0

236916 2007 TT_{124} 7 18.4 341°.90 2°.3/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 16.65	−24 13.9	1.700	2.548	15.4	20.2
6 20	20 13.23	−24 50.3	1.621	2.544	12.0	20.0
6 30	20 7.21	−25 31.8	1.564	2.540	8.2	19.8
7 10	19 59.18	−26 13.9	1.529	2.536	4.1	19.5
7 20	19 50.06	−26 51.4	1.521	2.533	2.6	19.4
7 30	19 41.05	−27 20.1	1.538	2.530	6.2	19.6
8 9	19 33.35	−27 37.7	1.580	2.528	10.3	19.9
8 19	19 27.87	−27 44.1	1.644	2.526	14.0	20.1

191024 2002 AF_{139} 7 18.4 124°.77 4°.5/17.2 18

6 10	20 25.88	−32 42.5	1.798	2.631	15.3	20.2
6 20	20 20.25	−32 54.9	1.724	2.634	12.2	20.0
6 30	20 11.77	−33 2.9	1.671	2.637	8.7	19.8
7 10	20 1.21	−33 1.2	1.643	2.640	5.5	19.6
7 20	19 49.68	−32 45.8	1.640	2.642	4.7	19.6
7 30	19 38.56	−32 15.0	1.665	2.645	7.2	19.7
8 9	19 29.10	−31 30.6	1.715	2.648	10.7	20.0
8 19	19 22.18	−30 36.1	1.787	2.650	14.0	20.2

477002 2008 YT_{128} 7 18.4 257°.24 1°.2/17.8 18

6 10	20 18.63	−22 51.3	2.009	2.843	13.9	22.5
6 20	20 14.39	−23 12.6	1.918	2.832	10.9	22.3
6 30	20 7.80	−23 38.6	1.848	2.821	7.4	22.0
7 10	19 59.41	−24 5.8	1.803	2.811	3.5	21.8
7 20	19 50.01	−24 30.6	1.785	2.800	1.6	21.6
7 30	19 40.64	−24 49.9	1.795	2.789	5.3	21.8
8 9	19 32.35	−25 1.8	1.830	2.777	9.2	22.0
8 19	19 25.98	−25 5.9	1.889	2.766	12.7	22.2

237100 2008 TE_{73} 7 18.4 151°.40 6°.6/15.0 17 R

6 10	20 24.65	−38 19.3	2.217	3.037	13.3	20.7
6 20	20 19.09	−39 22.2	2.150	3.043	10.9	20.6
6 30	20 10.92	−40 19.5	2.104	3.050	8.5	20.4
7 10	20 0.82	−41 4.7	2.084	3.055	6.8	20.3
7 20	19 49.75	−41 32.5	2.090	3.061	6.8	20.3
7 30	19 38.92	−41 39.9	2.123	3.066	8.4	20.4
8 9	19 29.50	−41 27.6	2.180	3.071	10.7	20.6
8 19	19 22.33	−40 58.5	2.260	3.075	13.1	20.8

193463 2000 XF_{10} 7 18.4 316°.83 8°.7/13.2 18

6 10	20 17.19	−34 40.7	1.473	2.333	16.8	18.8
6 20	20 14.89	−36 31.4	1.389	2.310	13.8	18.5
6 30	20 9.15	−38 25.2	1.325	2.287	10.8	18.3
7 10	20 0.43	−40 11.4	1.283	2.265	8.9	18.1
7 20	19 49.77	−41 38.6	1.265	2.244	9.4	18.1
7 30	19 38.80	−42 37.5	1.271	2.223	12.0	18.2
8 9	19 29.39	−43 5.1	1.297	2.203	15.5	18.3
8 19	19 23.00	−43 3.5	1.342	2.183	18.9	18.5

150592 2000 WG_{99} 7 18.4 230°.33 2°.7/19.6 18

6 10	20 16.30	−13 2.4	2.384	3.189	12.9	20.1
6 20	20 11.98	−12 40.1	2.294	3.186	10.3	19.9
6 30	20 5.85	−12 25.2	2.226	3.183	7.4	19.7
7 10	19 58.39	−12 17.7	2.184	3.180	4.4	19.5
7 20	19 50.24	−12 16.8	2.168	3.177	2.7	19.4
7 30	19 42.17	−12 21.4	2.181	3.174	4.7	19.5
8 9	19 34.97	−12 30.0	2.221	3.170	7.7	19.7
8 19	19 29.24	−12 40.9	2.286	3.167	10.6	19.9

18323 1983 RZ_2 7 18.4 336°.68 0°.4/18.2 18 R

6 10	20 11.33	−17 22.3	1.293	2.157	18.3	16.7
6 20	20 9.86	−18 13.1	1.211	2.142	14.5	16.4
6 30	20 5.42	−19 20.9	1.147	2.127	9.9	16.1
7 10	19 58.54	−20 41.5	1.105	2.114	4.6	15.7
7 20	19 50.18	−22 7.9	1.086	2.102	1.1	15.5
7 30	19 41.72	−23 31.8	1.091	2.091	6.7	15.8
8 9	19 34.68	−24 45.8	1.119	2.081	12.0	16.1
8 19	19 30.23	−25 45.6	1.167	2.072	16.7	16.3

512524 2016 RF_{35} 7 18.4 324°.72 1°.3/17.9 18

6 10	20 17.58	−23 12.1	1.632	2.480	15.9	20.7
6 20	20 14.06	−23 23.9	1.549	2.471	12.5	20.5
6 30	20 7.82	−23 40.2	1.486	2.463	8.5	20.2
7 10	19 59.50	−23 57.6	1.447	2.455	4.0	19.9
7 20	19 50.02	−24 12.2	1.432	2.447	1.7	19.7
7 30	19 40.65	−24 20.8	1.444	2.440	6.0	20.0
8 9	19 32.63	−24 21.7	1.479	2.433	10.4	20.2
8 19	19 26.92	−24 15.0	1.537	2.426	14.4	20.5

437421 2013 XP_3 7 18.4 123°.93 2°.3/19.1 18

6 10	20 21.08	−16 9.1	1.972	2.788	14.8	20.4
6 20	20 15.97	−15 36.0	1.894	2.794	11.7	20.2
6 30	20 8.64	−15 9.0	1.837	2.801	8.2	20.0
7 10	19 59.71	−14 47.8	1.805	2.807	4.5	19.8
7 20	19 50.01	−14 31.6	1.800	2.812	2.3	19.7
7 30	19 40.54	−14 19.7	1.823	2.818	5.1	19.9
8 9	19 32.26	−14 11.0	1.872	2.823	8.8	20.1
8 19	19 25.91	−14 4.7	1.946	2.829	12.1	20.3

350280 2012 TK_{241} 7 18.4 266°.57 1°.2/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 17.28	−16 49.8	1.934	2.761	14.7	21.5
6 20	20 13.32	−16 53.8	1.844	2.752	11.6	21.2
6 30	20 7.08	−17 6.2	1.774	2.743	8.0	21.0
7 10	19 59.08	−17 25.2	1.729	2.734	4.0	20.7
7 20	19 50.11	−17 48.3	1.710	2.725	1.3	20.5
7 30	19 41.16	−18 12.8	1.718	2.716	5.0	20.8
8 9	19 33.27	−18 36.1	1.752	2.707	9.0	21.0
8 19	19 27.26	−18 56.3	1.810	2.698	12.6	21.2

328088 2007 YS_{49} 7 18.4 175°.55 0°.4/18.2 17

6 10	20 22.31	−20 51.6	1.769	2.600	15.6	22.0
6 20	20 17.40	−21 5.3	1.690	2.602	12.3	21.8
6 30	20 9.88	−21 25.2	1.631	2.603	8.3	21.5
7 10	20 0.39	−21 47.9	1.597	2.605	3.8	21.3
7 20	19 49.87	−22 9.7	1.589	2.605	1.0	21.0
7 30	19 39.51	−22 27.4	1.609	2.605	5.5	21.4
8 9	19 30.50	−22 39.1	1.654	2.605	9.8	21.6
8 19	19 23.73	−22 44.2	1.723	2.604	13.5	21.8

441391 2008 FD_{30} 7 18.4 317°.40 3°.7/16.9 18

6 10	20 20.40	−31 5.8	2.150	2.982	13.2	21.3
6 20	20 15.60	−31 26.4	2.070	2.981	10.4	21.1
6 30	20 8.48	−31 45.0	2.013	2.980	7.4	20.9
7 10	19 59.67	−31 57.1	1.980	2.978	4.6	20.8
7 20	19 50.02	−31 59.4	1.974	2.977	3.9	20.7
7 30	19 40.58	−31 49.6	1.996	2.976	6.2	20.9
8 9	19 32.37	−31 28.0	2.043	2.975	9.3	21.0
8 19	19 26.14	−30 56.3	2.114	2.974	12.2	21.2

39290 2001 CC_{29} 7 18.4 327°.43 0°.7/17.9 18

6 10	20 14.24	−19 48.4	2.124	2.958	13.3	18.0
6 20	20 10.81	−20 31.4	2.037	2.952	10.4	17.8
6 30	20 5.31	−21 22.3	1.972	2.946	7.0	17.5
7 10	19 58.24	−22 17.8	1.932	2.940	3.2	17.3
7 20	19 50.29	−23 13.7	1.920	2.935	1.1	17.1
7 30	19 42.35	−24 5.9	1.934	2.930	4.8	17.4
8 9	19 35.34	−24 51.1	1.976	2.925	8.5	17.6
8 19	19 30.02	−25 27.6	2.041	2.920	11.8	17.8

105495 2000 QW_{228} 7 18.4 243°.12 3°.3/20.4 18

6 10	20 14.57	− 8 51.0	2.403	3.197	13.1	20.0
6 20	20 10.71	− 8 57.7	2.306	3.189	10.7	19.8
6 30	20 5.07	− 9 16.5	2.231	3.180	7.9	19.6
7 10	19 58.08	− 9 46.9	2.181	3.171	5.0	19.4
7 20	19 50.33	−10 27.2	2.157	3.162	3.3	19.3
7 30	19 42.56	−11 15.1	2.162	3.153	4.8	19.4
8 9	19 35.56	−12 7.2	2.193	3.143	7.7	19.5
8 19	19 29.97	−13 0.3	2.250	3.133	10.7	19.7

244314 2002 GQ_{136} 7 18.4 185°.11 5°.3/15.2 18

6 10	20 20.96	−37 47.3	2.771	3.585	11.0	21.0
6 20	20 15.71	−38 35.0	2.693	3.585	9.0	20.8
6 30	20 8.41	−39 18.1	2.639	3.585	7.0	20.7
7 10	19 59.61	−39 51.8	2.611	3.584	5.5	20.6
7 20	19 50.04	−40 12.5	2.609	3.583	5.5	20.6
7 30	19 40.60	−40 17.8	2.636	3.582	6.9	20.7
8 9	19 32.19	−40 7.9	2.688	3.580	8.9	20.8
8 19	19 25.50	−39 44.4	2.764	3.578	11.0	21.0

107705 2001 FP_{18} 7 18.4 25°.70 1°.4/18.8 17

6 10	20 16.77	−17 32.4	1.175	2.038	19.9	19.0
6 20	20 13.96	−17 25.6	1.117	2.046	15.7	18.8
6 30	20 7.95	−17 30.2	1.077	2.055	10.7	18.5
7 10	19 59.58	−17 43.8	1.057	2.064	5.3	18.2
7 20	19 50.06	−18 2.9	1.060	2.075	1.6	18.0
7 30	19 40.95	−18 23.5	1.086	2.087	6.5	18.4
8 9	19 33.67	−18 42.3	1.134	2.099	11.6	18.7
8 19	19 29.21	−18 57.2	1.203	2.112	16.0	19.0

478207 2011 UP_{282} 7 18.4 121°.68 6°.3/14.3 18

6 10	20 21.33	−38 27.7	2.488	3.307	12.0	21.1
6 20	20 16.29	−39 43.7	2.425	3.317	9.8	21.0
6 30	20 8.96	−40 54.8	2.385	3.327	7.8	20.9
7 10	19 59.91	−41 55.0	2.370	3.337	6.4	20.8
7 20	19 49.99	−42 39.3	2.382	3.346	6.5	20.8
7 30	19 40.21	−43 4.7	2.421	3.355	8.0	20.9
8 9	19 31.59	−43 11.1	2.485	3.364	10.0	21.1
8 19	19 24.91	−43 0.6	2.571	3.373	12.0	21.2

105187 2000 OC_{33} 7 18.4 347°.58 4°.6/19.4 18

6 10	20 12.05	−14 52.5	0.973	1.851	21.9	18.6
6 20	20 11.02	−13 58.2	0.905	1.840	17.7	18.3
6 30	20 6.45	−13 15.6	0.853	1.831	12.8	18.0
7 10	19 59.08	−12 46.6	0.819	1.823	7.6	17.7
7 20	19 50.13	−12 31.8	0.805	1.817	4.7	17.5
7 30	19 41.33	−12 30.0	0.812	1.812	8.2	17.7
8 9	19 34.42	−12 38.0	0.838	1.809	13.6	18.0
8 19	19 30.63	−12 52.1	0.883	1.808	18.7	18.3

26944 1997 GX_{20} 7 18.4 295°.41 3°.0/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 18.17	−14 29.5	1.279	2.126	19.5	18.7
6 20	20 15.17	−14 13.4	1.196	2.115	15.7	18.4
6 30	20 8.99	−14 10.5	1.132	2.103	11.2	18.1
7 10	20 0.21	−14 20.2	1.088	2.091	6.2	17.8
7 20	19 49.91	−14 40.5	1.067	2.080	3.1	17.5
7 30	19 39.58	−15 8.0	1.070	2.069	7.0	17.7
8 9	19 30.80	−15 38.6	1.095	2.058	12.2	18.0
8 19	19 24.77	−16 8.7	1.141	2.047	17.0	18.2

309661 2008 DR_{85} 7 18.4 223°.36 0°.4/18.1 18

6 10	20 16.56	−20 38.2	2.506	3.327	11.9	21.7
6 20	20 12.24	−21 0.5	2.414	3.321	9.3	21.5
6 30	20 6.09	−21 27.8	2.344	3.314	6.2	21.3
7 10	19 58.55	−21 57.6	2.300	3.307	2.9	21.1
7 20	19 50.27	−22 27.1	2.284	3.300	0.8	20.9
7 30	19 42.01	−22 53.9	2.297	3.292	4.2	21.2
8 9	19 34.58	−23 15.9	2.338	3.284	7.5	21.4
8 19	19 28.62	−23 32.2	2.403	3.276	10.5	21.5

342300 2008 TD_{50} 7 18.4 260°.20 1°.7/19.1 16

6 10	20 17.47	−15 24.7	1.856	2.682	15.2	22.1
6 20	20 13.55	−15 26.8	1.768	2.675	12.1	21.9
6 30	20 7.28	−15 38.5	1.700	2.668	8.4	21.7
7 10	19 59.21	−15 58.6	1.657	2.660	4.4	21.4
7 20	19 50.13	−16 24.4	1.639	2.653	1.8	21.2
7 30	19 41.10	−16 53.2	1.648	2.646	5.2	21.4
8 9	19 33.16	−17 21.9	1.683	2.638	9.2	21.7
8 19	19 27.16	−17 48.4	1.741	2.631	13.0	21.9

511415 2014 HK_{157} 7 18.4 172°.94 3°.3/20.3 18

6 10	20 16.56	− 8 54.5	2.494	3.281	12.9	22.6
6 20	20 12.09	− 8 56.1	2.406	3.284	10.4	22.5
6 30	20 5.90	− 9 8.8	2.340	3.287	7.7	22.3
7 10	19 58.44	− 9 32.0	2.299	3.288	4.9	22.1
7 20	19 50.31	−10 4.4	2.286	3.290	3.3	22.0
7 30	19 42.24	−10 43.7	2.301	3.291	4.7	22.1
8 9	19 34.98	−11 27.0	2.344	3.291	7.5	22.3
8 19	19 29.12	−12 11.6	2.413	3.291	10.2	22.5

36226 Mackerras 7 18.4 126°.57 1°.9/19.5 18

6 10	20 15.06	−13 31.3	2.512	3.319	12.3	19.0
6 20	20 10.91	−13 39.4	2.431	3.326	9.7	18.9
6 30	20 5.09	−13 56.0	2.372	3.332	6.8	18.7
7 10	19 58.05	−14 19.8	2.339	3.339	3.8	18.5
7 20	19 50.40	−14 48.9	2.333	3.345	1.9	18.4
7 30	19 42.86	−15 21.1	2.355	3.351	4.0	18.6
8 9	19 36.14	−15 53.9	2.405	3.357	7.1	18.8
8 19	19 30.81	−16 25.3	2.481	3.362	9.9	18.9

40123 1998 QC_{31} 7 18.4 319°.37 3°.8/20.5 18

6 10	20 12.26	− 8 30.1	2.004	2.814	14.8	18.5
6 20	20 9.37	− 8 37.7	1.906	2.797	12.1	18.3
6 30	20 4.43	− 9 0.2	1.828	2.781	9.0	18.0
7 10	19 57.89	− 9 37.5	1.774	2.766	5.8	17.8
7 20	19 50.42	−10 27.8	1.745	2.750	3.8	17.7
7 30	19 42.88	−11 27.9	1.742	2.735	5.5	17.7
8 9	19 36.19	−12 33.3	1.766	2.721	8.9	17.9
8 19	19 31.14	−13 39.8	1.813	2.707	12.3	18.1

148334 2000 QB_{158} 7 18.4 276°.87 3°.8/17.2 18

6 10	20 24.87	−32 48.6	2.267	3.087	13.0	20.2
6 20	20 19.13	−32 50.6	2.165	3.068	10.4	20.0
6 30	20 10.95	−32 48.2	2.086	3.048	7.5	19.8
7 10	20 0.90	−32 37.2	2.032	3.028	4.7	19.6
7 20	19 49.87	−32 14.4	2.006	3.008	3.9	19.5
7 30	19 38.94	−31 38.2	2.008	2.988	6.2	19.6
8 9	19 29.23	−30 49.7	2.038	2.967	9.4	19.7
8 19	19 21.57	−29 51.7	2.091	2.947	12.5	19.9

256779 2008 CP_{11} 7 18.4 46°.49 0°.2/18.3 17

6 10	20 18.00	−18 19.7	1.356	2.208	18.4	20.0
6 20	20 14.65	−18 53.9	1.293	2.217	14.4	19.8
6 30	20 8.32	−19 40.1	1.250	2.226	9.7	19.6
7 10	19 59.77	−20 33.6	1.228	2.236	4.5	19.3
7 20	19 50.09	−21 28.7	1.231	2.246	0.9	19.1
7 30	19 40.70	−22 19.5	1.258	2.257	6.2	19.4
8 9	19 32.94	−23 1.7	1.309	2.268	11.0	19.8
8 19	19 27.78	−23 33.6	1.382	2.279	15.2	20.0

301879 1997 HK_{13} 7 18.4 155°.78 6°.0/22.4 18

6 10	20 14.68	+ 1 38.1	3.048	3.776	12.0	21.0
6 20	20 10.27	+ 2 7.7	2.964	3.784	10.3	20.9
6 30	20 4.49	+ 2 24.5	2.900	3.791	8.5	20.8
7 10	19 57.74	+ 2 27.4	2.861	3.797	6.9	20.7
7 20	19 50.50	+ 2 16.2	2.847	3.804	6.0	20.6
7 30	19 43.33	+ 1 51.6	2.861	3.809	6.3	20.7
8 9	19 36.80	+ 1 15.8	2.902	3.814	7.6	20.8
8 19	19 31.38	+ 0 31.8	2.968	3.819	9.3	20.9

291583 2006 GN_1 7 18.4 275°.32 2°.3/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 13.71	−10 55.8	2.402	3.206	12.8	20.7
6 20	20 10.09	−11 19.4	2.307	3.198	10.3	20.5
6 30	20 4.69	−11 54.7	2.234	3.190	7.4	20.3
7 10	19 57.95	−12 40.5	2.185	3.183	4.3	20.1
7 20	19 50.45	−13 34.5	2.164	3.175	2.3	19.9
7 30	19 42.94	−14 33.4	2.171	3.167	4.4	20.1
8 9	19 36.18	−15 33.7	2.206	3.159	7.5	20.3
8 19	19 30.82	−16 32.1	2.266	3.151	10.5	20.4

179374 2001 XV_{234} 7 18.4 138°.13 1°.4/17.7 18

6 10	20 17.76	−23 42.6	2.364	3.190	12.3	21.0
6 20	20 13.23	−24 6.8	2.285	3.195	9.6	20.8
6 30	20 6.76	−24 33.9	2.229	3.200	6.4	20.7
7 10	19 58.88	−25 1.0	2.199	3.205	3.1	20.5
7 20	19 50.28	−25 25.0	2.196	3.210	1.6	20.3
7 30	19 41.83	−25 43.3	2.222	3.214	4.6	20.6
8 9	19 34.36	−25 54.7	2.275	3.219	7.9	20.8
8 19	19 28.53	−25 58.9	2.353	3.223	10.8	21.0

356398 2010 RO_{97} 7 18.4 339°.53 2°.9/17.2 18

6 10	20 19.36	−28 57.8	2.188	3.020	13.0	20.7
6 20	20 14.72	−29 13.0	2.107	3.019	10.2	20.5
6 30	20 7.88	−29 27.4	2.048	3.018	7.0	20.3
7 10	19 59.43	−29 37.2	2.015	3.017	4.0	20.1
7 20	19 50.18	−29 39.4	2.008	3.016	3.1	20.0
7 30	19 41.12	−29 31.9	2.029	3.015	5.6	20.2
8 9	19 33.20	−29 14.6	2.077	3.014	8.8	20.4
8 19	19 27.18	−28 48.7	2.148	3.014	11.8	20.6

4831 Baldwin 7 18.4 68°.99 0°.1/18.3 18

6 10	20 16.75	−19 59.1	2.142	2.970	13.4	17.2
6 20	20 12.54	−20 13.7	2.071	2.981	10.4	17.0
6 30	20 6.32	−20 33.7	2.021	2.993	7.0	16.8
7 10	19 58.67	−20 56.8	1.997	3.004	3.2	16.6
7 20	19 50.34	−21 20.0	2.000	3.016	0.7	16.4
7 30	19 42.20	−21 40.8	2.030	3.027	4.5	16.7
8 9	19 35.13	−21 57.4	2.087	3.038	8.0	17.0
8 19	19 29.77	−22 8.9	2.169	3.050	11.1	17.2

481170 2005 UJ_{230} 7 18.4 95°.90 5°.1/15.4 18

6 10	20 19.12	−33 52.9	2.334	3.163	12.4	21.1
6 20	20 14.58	−34 55.4	2.265	3.171	9.9	20.9
6 30	20 7.82	−35 55.5	2.220	3.178	7.3	20.8
7 10	19 59.42	−36 47.9	2.200	3.186	5.4	20.7
7 20	19 50.19	−37 27.8	2.207	3.193	5.3	20.7
7 30	19 41.12	−37 52.0	2.241	3.200	7.1	20.8
8 9	19 33.17	−37 59.9	2.300	3.208	9.6	21.0
8 19	19 27.10	−37 53.1	2.383	3.215	12.0	21.1

108161 2001 HV_5 7 18.4 2°.74 5°.6/20.8 16

6 10	20 14.69	− 7 12.7	1.699	2.511	17.0	19.2
6 20	20 11.44	− 6 43.6	1.622	2.510	14.0	18.9
6 30	20 5.88	− 6 29.9	1.563	2.510	10.7	18.7
7 10	19 58.59	− 6 32.7	1.526	2.511	7.4	18.6
7 20	19 50.36	− 6 51.6	1.513	2.511	5.6	18.4
7 30	19 42.25	− 7 24.4	1.526	2.513	7.0	18.5
8 9	19 35.29	− 8 7.2	1.563	2.514	10.1	18.7
8 19	19 30.27	− 8 55.5	1.622	2.516	13.5	18.9

198545 2004 XR_{131} 7 18.4 106°.85 0°.9/18.1 17

6 10	20 20.58	−22 57.3	1.875	2.708	14.8	20.0
6 20	20 15.87	−23 2.9	1.800	2.714	11.5	19.8
6 30	20 8.75	−23 12.0	1.746	2.719	7.8	19.5
7 10	19 59.87	−23 21.4	1.717	2.724	3.6	19.3
7 20	19 50.13	−23 28.2	1.715	2.730	1.3	19.1
7 30	19 40.63	−23 30.1	1.739	2.735	5.2	19.4
8 9	19 32.42	−23 26.2	1.790	2.740	9.2	19.7
8 19	19 26.31	−23 16.6	1.864	2.745	12.7	19.9

424389 2007 XS_{19} 7 18.4 233°.55 0°.1/18.4 17

6 10	20 22.58	−20 29.2	1.695	2.527	16.1	21.6
6 20	20 17.91	−20 31.8	1.605	2.518	12.8	21.4
6 30	20 10.46	−20 40.5	1.536	2.508	8.7	21.1
7 10	20 0.81	−20 52.6	1.490	2.497	4.1	20.8
7 20	19 49.94	−21 4.6	1.471	2.486	0.8	20.5
7 30	19 39.09	−21 13.8	1.478	2.475	5.7	20.9
8 9	19 29.57	−21 18.2	1.511	2.463	10.3	21.1
8 19	19 22.38	−21 17.5	1.566	2.451	14.4	21.3

304622 2006 VO_{118} 7 18.4 163°.18 0°.7/17.9 18

6 10	20 17.33	−21 54.9	2.509	3.330	11.8	21.9
6 20	20 12.79	−22 15.8	2.426	3.333	9.2	21.8
6 30	20 6.43	−22 40.6	2.366	3.336	6.2	21.6
7 10	19 58.73	−23 6.6	2.332	3.339	2.9	21.4
7 20	19 50.36	−23 31.1	2.327	3.342	1.0	21.2
7 30	19 42.10	−23 51.8	2.350	3.344	4.2	21.5
8 9	19 34.72	−24 7.1	2.400	3.346	7.4	21.7
8 19	19 28.86	−24 16.5	2.476	3.347	10.3	21.8

48972 1998 QM_{39} 7 18.4 266°.84 1°.6/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 20.46	−22 32.8	1.750	2.587	15.5	19.7
6 20	20 16.40	−23 4.6	1.651	2.568	12.2	19.5
6 30	20 9.58	−23 43.5	1.573	2.547	8.3	19.2
7 10	20 0.49	−24 25.3	1.519	2.526	4.0	18.9
7 20	19 50.00	−25 5.1	1.491	2.505	1.9	18.7
7 30	19 39.35	−25 38.1	1.489	2.483	6.2	18.9
8 9	19 29.86	−26 1.3	1.513	2.461	10.7	19.1
8 19	19 22.62	−26 14.0	1.560	2.439	14.8	19.3

238203 2003 TY_{56} 7 18.4 290°.27 0°.5/18.6 17

6 10	20 16.38	−17 0.5	1.841	2.673	15.1	20.5
6 20	20 12.78	−17 30.6	1.756	2.668	11.9	20.3
6 30	20 6.84	−18 11.2	1.691	2.663	8.1	20.0
7 10	19 59.07	−18 59.6	1.651	2.657	3.9	19.8
7 20	19 50.29	−19 51.7	1.636	2.652	0.8	19.5
7 30	19 41.53	−20 43.1	1.649	2.647	5.1	19.8
8 9	19 33.87	−21 29.8	1.688	2.642	9.3	20.1
8 19	19 28.14	−22 9.6	1.749	2.637	13.0	20.3

220970 2005 MS_{45} 7 18.4 305°.00 0°.6/18.7 17

6 10	20 15.83	−16 47.0	1.455	2.303	17.6	20.7
6 20	20 13.13	−17 12.8	1.365	2.286	14.0	20.5
6 30	20 7.54	−17 52.4	1.294	2.269	9.6	20.2
7 10	19 59.58	−18 42.9	1.246	2.253	4.7	19.8
7 20	19 50.17	−19 39.8	1.221	2.237	1.0	19.5
7 30	19 40.64	−20 37.2	1.222	2.222	6.2	19.8
8 9	19 32.39	−21 29.8	1.246	2.206	11.3	20.1
8 19	19 26.58	−22 14.2	1.292	2.192	15.8	20.3

351126 2003 WF_{83} 7 18.4 317°.97 4°.6/18.9 18

6 10	20 19.11	−14 58.7	1.521	2.356	17.6	19.3
6 20	20 15.54	−13 43.6	1.420	2.329	14.3	19.0
6 30	20 9.08	−12 31.9	1.339	2.303	10.5	18.7
7 10	20 0.28	−11 25.6	1.280	2.278	6.6	18.4
7 20	19 50.04	−10 26.8	1.246	2.253	4.7	18.2
7 30	19 39.67	− 9 37.6	1.237	2.229	7.5	18.3
8 9	19 30.54	− 8 58.8	1.252	2.205	11.9	18.5
8 19	19 23.79	− 8 30.4	1.288	2.182	16.2	18.7

362662 2011 UK_8 7 18.4 150°.89 3°.4/16.2 18

6 10	20 18.98	−31 23.6	2.932	3.751	10.4	21.9
6 20	20 13.91	−32 8.0	2.857	3.759	8.2	21.7
6 30	20 7.10	−32 51.1	2.806	3.767	5.8	21.6
7 10	19 59.03	−33 29.2	2.782	3.775	3.9	21.5
7 20	19 50.32	−33 58.9	2.786	3.782	3.6	21.5
7 30	19 41.74	−34 18.1	2.819	3.789	5.3	21.6
8 9	19 34.02	−34 26.1	2.880	3.795	7.6	21.7
8 19	19 27.76	−34 23.6	2.965	3.801	9.7	21.9

126846 2002 EN_{69} 7 18.4 66°.22 7°.9/22.5 18

6 10	20 15.92	− 0 15.6	1.746	2.524	17.9	19.3
6 20	20 12.23	+ 0 18.0	1.677	2.534	15.2	19.1
6 30	20 6.31	+ 0 31.3	1.626	2.545	12.3	18.9
7 10	19 58.75	+ 0 22.1	1.597	2.556	9.6	18.8
7 20	19 50.38	− 0 9.5	1.591	2.567	8.0	18.7
7 30	19 42.19	− 1 0.9	1.609	2.578	8.5	18.8
8 9	19 35.16	− 2 7.2	1.652	2.589	10.7	18.9
8 19	19 30.04	− 3 22.2	1.718	2.600	13.5	19.1

509263 2006 UP_{156} 7 18.4 348°.49 0°.3/18.5 18

6 10	20 15.57	−18 22.0	1.869	2.704	14.7	21.2
6 20	20 12.07	−18 40.5	1.787	2.702	11.6	21.0
6 30	20 6.29	−19 7.2	1.727	2.700	7.9	20.8
7 10	19 58.79	−19 39.7	1.691	2.698	3.7	20.5
7 20	19 50.37	−20 14.6	1.680	2.696	0.7	20.3
7 30	19 42.04	−20 48.2	1.697	2.695	5.0	20.6
8 9	19 34.82	−21 17.8	1.739	2.694	9.0	20.9
8 19	19 29.51	−21 41.6	1.805	2.693	12.6	21.1

378337 2007 HP_{31} 7 18.4 93°.25 5°.8/15.9 17

6 10	20 23.32	−33 10.9	1.748	2.587	15.4	21.3
6 20	20 18.48	−34 9.1	1.686	2.598	12.3	21.1
6 30	20 10.76	−35 4.6	1.645	2.608	9.0	21.0
7 10	20 0.89	−35 50.5	1.628	2.618	6.3	20.8
7 20	19 49.98	−36 20.6	1.636	2.628	6.0	20.8
7 30	19 39.42	−36 31.3	1.670	2.639	8.3	21.0
8 9	19 30.49	−36 22.9	1.728	2.648	11.4	21.2
8 19	19 24.10	−35 58.4	1.809	2.658	14.4	21.4

186841 2004 FK_{133} 7 18.4 233°.03 0°.6/18.1 18

6 10	20 19.25	−19 12.6	1.729	2.564	15.8	20.6
6 20	20 15.27	−19 51.9	1.643	2.557	12.4	20.4
6 30	20 8.67	−20 41.3	1.578	2.551	8.4	20.1
7 10	20 0.00	−21 36.9	1.537	2.544	3.9	19.8
7 20	19 50.13	−22 33.6	1.522	2.537	1.1	19.6
7 30	19 40.26	−23 26.1	1.534	2.530	5.7	19.9
8 9	19 31.61	−24 10.7	1.571	2.522	10.1	20.1
8 19	19 25.13	−24 45.3	1.632	2.515	14.0	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
490859 2011 AL_{43}			7 18.4	42°.73	1°.6/19.5	17
	h m	° ′			°	m
6 10	20 19.85	− 5 21.5	1.046	1.881	23.7	20.4
6 20	20 17.15	− 7 37.1	0.974	1.885	19.2	20.1
6 30	20 10.77	−10 37.5	0.921	1.889	13.5	19.8
7 10	20 1.28	−14 16.1	0.889	1.893	7.0	19.4
7 20	19 49.86	−18 15.8	0.883	1.898	1.7	19.1
7 30	19 38.32	−22 13.2	0.903	1.903	7.6	19.5
8 9	19 28.59	−25 46.9	0.948	1.908	13.9	19.9
8 19	19 22.17	−28 44.7	1.016	1.914	19.3	20.2
289332 2005 AE_{66}			7 18.4	281°.08	1°.2/19.0	18
6 10	20 16.38	−15 24.0	1.863	2.690	15.1	20.5
6 20	20 12.73	−15 47.6	1.778	2.686	12.0	20.3
6 30	20 6.76	−16 22.5	1.713	2.682	8.3	20.1
7 10	19 59.04	−17 6.3	1.673	2.678	4.2	19.8
7 20	19 50.33	−17 55.6	1.659	2.674	1.3	19.6
7 30	19 41.66	−18 46.1	1.672	2.671	5.0	19.9
8 9	19 34.07	−19 34.0	1.711	2.667	9.1	20.1
8 19	19 28.38	−20 16.5	1.774	2.663	12.8	20.3
139302 2001 KV_{14}			7 18.4	34°.36	1°.9/19.1	17
6 10	20 16.45	−15 10.3	1.205	2.062	19.9	19.6
6 20	20 13.62	−15 20.6	1.149	2.074	15.7	19.3
6 30	20 7.71	−15 45.9	1.111	2.087	10.8	19.1
7 10	19 59.53	−16 23.3	1.094	2.100	5.5	18.9
7 20	19 50.26	−17 8.1	1.100	2.115	1.9	18.7
7 30	19 41.37	−17 54.8	1.129	2.130	6.3	19.0
8 9	19 34.26	−18 38.6	1.181	2.146	11.3	19.3
8 19	19 29.84	−19 16.0	1.254	2.162	15.6	19.6
88476 2001 QS_{115}			7 18.4	300°.67	4°.0/19.7	18
6 10	20 16.89	−12 20.1	1.543	2.374	17.5	19.7
6 20	20 13.65	−11 54.3	1.453	2.359	14.3	19.5
6 30	20 7.71	−11 40.5	1.381	2.344	10.4	19.2
7 10	19 59.61	−11 39.2	1.332	2.330	6.3	18.9
7 20	19 50.24	−11 49.7	1.306	2.315	4.0	18.8
7 30	19 40.81	−12 9.9	1.306	2.301	6.6	18.9
8 9	19 32.62	−12 36.5	1.329	2.287	10.9	19.1
8 19	19 26.67	−13 6.2	1.374	2.274	15.1	19.3
144083 2004 BR_{51}			7 18.4	229°.46	1°.0/18.9	18
6 10	20 20.09	−16 33.4	1.837	2.661	15.4	21.4
6 20	20 15.75	−16 49.6	1.745	2.651	12.2	21.2
6 30	20 8.90	−17 15.8	1.673	2.642	8.4	20.9
7 10	20 0.10	−17 49.8	1.626	2.631	4.2	20.6
7 20	19 50.16	−18 28.3	1.605	2.620	1.1	20.4
7 30	19 40.18	−19 7.4	1.611	2.609	5.3	20.7
8 9	19 31.32	−19 43.7	1.644	2.597	9.6	20.9
8 19	19 24.50	−20 15.0	1.700	2.585	13.5	21.1
140014 2001 SG_{49}			7 18.4	269°.62	0°.8/18.8	18
6 10	20 16.24	−17 22.6	2.116	2.940	13.6	20.5
6 20	20 12.34	−17 34.9	2.027	2.935	10.8	20.2
6 30	20 6.36	−17 54.8	1.960	2.930	7.4	20.0
7 10	19 58.82	−18 20.5	1.918	2.924	3.6	19.8
7 20	19 50.42	−18 49.4	1.903	2.918	0.9	19.6
7 30	19 42.08	−19 18.4	1.915	2.913	4.6	19.8
8 9	19 34.69	−19 45.2	1.954	2.907	8.3	20.0
8 19	19 29.00	−20 8.1	2.017	2.902	11.7	20.2
199979 2007 JS_{4}			7 18.4	23°.64	5°.9/20.9	17
6 10	20 14.22	− 7 16.0	1.388	2.216	19.3	19.2
6 20	20 11.49	− 6 51.6	1.324	2.224	15.9	19.0
6 30	20 6.11	− 6 46.1	1.278	2.232	12.0	18.8
7 10	19 58.77	− 7 0.6	1.252	2.241	8.1	18.6
7 20	19 50.44	− 7 33.7	1.249	2.251	5.9	18.5
7 30	19 42.36	− 8 21.8	1.270	2.261	7.5	18.6
8 9	19 35.69	− 9 19.2	1.315	2.273	11.0	18.9
8 19	19 31.31	−10 20.1	1.380	2.285	14.7	19.1
479266 2013 EV_{121}			7 18.4	174°.97	1°.9/17.4	18
6 10	20 17.83	−25 44.6	2.522	3.347	11.7	21.9
6 20	20 13.24	−26 8.3	2.439	3.348	9.1	21.8
6 30	20 6.78	−26 33.7	2.379	3.349	6.2	21.6
7 10	19 58.94	−26 57.5	2.345	3.350	3.2	21.4
7 20	19 50.41	−27 16.9	2.339	3.350	2.1	21.3
7 30	19 42.00	−27 29.5	2.362	3.351	4.7	21.5
8 9	19 34.50	−27 34.5	2.412	3.351	7.7	21.7
8 19	19 28.56	−27 31.8	2.486	3.351	10.5	21.9
208859 2002 SE_{24}			7 18.4	296°.61	2°.1/19.4	18
6 10	20 15.59	−14 9.1	1.882	2.707	15.1	20.6
6 20	20 12.13	−14 14.3	1.790	2.695	12.1	20.3
6 30	20 6.40	−14 30.4	1.718	2.684	8.5	20.1
7 10	19 58.91	−14 56.3	1.670	2.673	4.6	19.8
7 20	19 50.40	−15 29.5	1.648	2.662	2.1	19.7
7 30	19 41.88	−16 7.0	1.653	2.651	5.1	19.8
8 9	19 34.37	−16 45.3	1.683	2.640	9.1	20.1
8 19	19 28.72	−17 21.5	1.737	2.629	12.8	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
440718 2005 YA_{269}			7 18.4	228°.55	1°.6/17.6	17
	h m	° ′			°	m
6 10	20 19.15	−26 37.3	2.930	3.746	10.5	22.0
6 20	20 14.02	−26 42.6	2.832	3.736	8.2	21.8
6 30	20 7.19	−26 47.9	2.757	3.725	5.6	21.6
7 10	19 59.11	−26 50.7	2.710	3.714	2.9	21.4
7 20	19 50.38	−26 49.2	2.691	3.703	1.8	21.3
7 30	19 41.72	−26 41.8	2.702	3.691	4.2	21.5
8 9	19 33.85	−26 28.2	2.741	3.679	6.9	21.6
8 19	19 27.37	−26 8.9	2.806	3.667	9.5	21.8
263294 2008 CQ_{5}			7 18.4	197°.68	2°.3/17.3	17
6 10	20 21.91	−23 34.6	1.815	2.649	15.2	21.3
6 20	20 17.29	−24 26.8	1.733	2.647	11.9	21.0
6 30	20 10.00	−25 25.5	1.672	2.644	8.1	20.8
7 10	20 0.63	−26 25.4	1.635	2.641	4.1	20.5
7 20	19 50.08	−27 20.6	1.626	2.637	2.7	20.4
7 30	19 39.56	−28 6.1	1.643	2.633	6.3	20.7
8 9	19 30.31	−28 39.0	1.687	2.628	10.3	20.9
8 19	19 23.29	−28 58.8	1.753	2.622	13.9	21.1
477007 2008 YB_{140}			7 18.4	284°.64	1°.6/18.9	17
6 10	20 18.09	−17 2.0	1.884	2.711	15.0	21.6
6 20	20 14.04	−16 48.6	1.794	2.702	11.9	21.3
6 30	20 7.65	−16 42.2	1.724	2.693	8.2	21.1
7 10	19 59.47	−16 41.8	1.679	2.683	4.3	20.8
7 20	19 50.31	−16 45.6	1.660	2.674	1.6	20.6
7 30	19 41.19	−16 51.8	1.667	2.665	5.1	20.9
8 9	19 33.18	−16 58.5	1.701	2.656	9.2	21.1
8 19	19 27.11	−17 4.4	1.758	2.647	12.9	21.3
195342 2002 EQ_{147}			7 18.4	146°.35	1°.0/17.9	17
6 10	20 20.76	−22 20.1	2.085	2.911	13.8	21.8
6 20	20 15.81	−22 41.4	2.009	2.918	10.7	21.6
6 30	20 8.64	−23 6.9	1.954	2.926	7.2	21.4
7 10	19 59.85	−23 33.4	1.925	2.932	3.4	21.2
7 20	19 50.25	−23 57.4	1.924	2.939	1.3	21.0
7 30	19 40.83	−24 16.2	1.950	2.944	4.9	21.3
8 9	19 32.56	−24 28.2	2.004	2.950	8.6	21.5
8 19	19 26.19	−24 33.2	2.081	2.955	11.8	21.8
489575 2007 TT_{66}			7 18.4	307°.86	3°.2/19.4	16
6 10	20 15.97	−13 52.4	1.679	2.510	16.3	21.6
6 20	20 12.91	−13 30.8	1.571	2.479	13.3	21.3
6 30	20 7.26	−13 19.0	1.483	2.449	9.6	21.0
7 10	19 59.46	−13 17.3	1.418	2.419	5.6	20.7
7 20	19 50.28	−13 24.9	1.378	2.389	3.2	20.5
7 30	19 40.86	−13 39.9	1.363	2.359	6.2	20.6
8 9	19 32.44	−13 59.7	1.372	2.330	10.6	20.8
8 19	19 26.10	−14 21.8	1.403	2.301	14.9	21.0
520557 2014 MT_{77}			7 18.4	123°.23	2°.1/16.9	18
6 10	20 16.07	−25 47.1	2.926	3.747	10.3	21.6
6 20	20 11.62	−26 34.8	2.851	3.759	8.0	21.4
6 30	20 5.56	−27 24.5	2.801	3.770	5.4	21.3
7 10	19 58.34	−28 12.7	2.777	3.780	2.9	21.1
7 20	19 50.54	−28 56.4	2.783	3.791	2.3	21.1
7 30	19 42.83	−29 32.8	2.818	3.801	4.4	21.2
8 9	19 35.88	−30 0.6	2.880	3.812	6.9	21.4
8 19	19 30.26	−30 19.3	2.968	3.821	9.3	21.6
7363 Esquibel			7 18.4	196°.95	4°.1/20.6	18
6 10	20 16.52	− 7 42.3	2.298	3.087	13.8	17.7
6 20	20 12.28	− 7 32.8	2.208	3.085	11.3	17.6
6 30	20 6.19	− 7 35.4	2.139	3.082	8.5	17.4
7 10	19 58.70	− 7 50.4	2.095	3.080	5.7	17.2
7 20	19 50.46	− 8 16.6	2.077	3.077	4.1	17.1
7 30	19 42.26	− 8 52.1	2.086	3.073	5.4	17.2
8 9	19 34.91	− 9 33.9	2.123	3.069	8.2	17.3
8 19	19 29.06	−10 18.8	2.184	3.065	11.1	17.5
338854 2003 YB_{22}			7 18.4	170°.17	1°.2/18.9	18
6 10	20 19.11	−16 51.1	2.548	3.354	12.1	21.4
6 20	20 14.07	−16 47.1	2.461	3.358	9.5	21.2
6 30	20 7.25	−16 48.8	2.398	3.361	6.6	21.0
7 10	19 59.15	−16 54.7	2.361	3.364	3.3	20.8
7 20	19 50.40	−17 3.4	2.352	3.366	1.2	20.7
7 30	19 41.76	−17 13.2	2.372	3.368	4.0	20.9
8 9	19 34.00	−17 22.8	2.420	3.369	7.2	21.1
8 19	19 27.71	−17 31.0	2.494	3.370	10.0	21.3
42503 1993 FU_{4}			7 18.4	129°.44	6°.2/22.1	18
6 10	20 16.95	− 1 42.8	2.123	2.890	15.4	19.4
6 20	20 12.66	− 1 30.4	2.046	2.900	13.0	19.2
6 30	20 6.44	− 1 34.9	1.989	2.910	10.3	19.1
7 10	19 58.81	− 1 57.4	1.955	2.920	7.7	18.9
7 20	19 50.46	− 2 37.0	1.946	2.929	6.2	18.9
7 30	19 42.24	− 3 31.2	1.964	2.938	6.9	18.9
8 9	19 34.99	− 4 35.6	2.008	2.946	9.1	19.1
8 19	19 29.35	− 5 45.5	2.077	2.954	11.7	19.3

338840 2003 WG_{163} 7 18.4 317°.37 0°.9/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 16.82	−21 17.0	1.753	2.596	15.3	20.8
6 20	20 13.33	−21 42.6	1.669	2.589	12.0	20.6
6 30	20 7.32	−22 15.2	1.606	2.582	8.1	20.4
7 10	19 59.37	−22 51.3	1.567	2.575	3.8	20.1
7 20	19 50.34	−23 26.6	1.553	2.568	1.3	19.9
7 30	19 41.37	−23 57.1	1.566	2.562	5.6	20.2
8 9	19 33.60	−24 20.3	1.603	2.556	9.8	20.4
8 19	19 27.94	−24 34.9	1.664	2.550	13.6	20.6

314387 2005 UL_{113} 7 18.4 335°.60 5°.1/19.9 15

6 10	20 12.37	−11 11.7	1.562	2.398	17.2	20.3
6 20	20 10.08	−10 24.5	1.469	2.376	14.1	20.0
6 30	20 5.28	− 9 47.9	1.395	2.356	10.5	19.8
7 10	19 58.48	− 9 23.8	1.343	2.337	6.9	19.5
7 20	19 50.50	− 9 13.0	1.314	2.318	5.1	19.3
7 30	19 42.46	− 9 15.0	1.309	2.301	7.1	19.4
8 9	19 35.55	− 9 27.5	1.328	2.286	10.9	19.6
8 19	19 30.73	− 9 47.5	1.368	2.271	14.9	19.8

220275 2003 AD_{79} 7 18.4 253°.70 1°.1/18.9 17

6 10	20 19.68	−16 54.8	1.863	2.687	15.2	21.4
6 20	20 15.46	−17 0.7	1.764	2.672	12.1	21.2
6 30	20 8.75	−17 15.4	1.687	2.656	8.4	20.9
7 10	20 0.07	−17 37.3	1.634	2.639	4.2	20.7
7 20	19 50.21	−18 3.4	1.607	2.622	1.2	20.4
7 30	19 40.28	−18 30.8	1.607	2.605	5.3	20.6
8 9	19 31.40	−18 56.4	1.634	2.587	9.6	20.9
8 19	19 24.53	−19 18.5	1.683	2.569	13.5	21.1

29873 1999 GG_{9} 7 18.4 150°.45 1°.7/17.6 18

6 10	20 20.73	−23 12.4	1.941	2.773	14.4	19.1
6 20	20 16.04	−23 49.1	1.865	2.778	11.2	18.9
6 30	20 8.94	−24 30.7	1.811	2.784	7.6	18.7
7 10	20 0.06	−25 12.9	1.782	2.789	3.7	18.4
7 20	19 50.24	−25 51.4	1.780	2.793	2.0	18.3
7 30	19 40.58	−26 22.2	1.805	2.797	5.5	18.6
8 9	19 32.14	−26 43.4	1.857	2.801	9.3	18.8
8 19	19 25.75	−26 54.8	1.932	2.805	12.7	19.0

311429 2005 UT_{166} 7 18.4 82°.83 3°.3/20.1 16

6 10	20 15.73	−10 27.5	2.285	3.086	13.5	21.6
6 20	20 11.56	−10 15.1	2.211	3.098	10.9	21.5
6 30	20 5.61	−10 13.1	2.158	3.110	7.9	21.3
7 10	19 58.40	−10 20.9	2.129	3.121	5.0	21.1
7 20	19 50.56	−10 37.5	2.128	3.133	3.3	21.0
7 30	19 42.90	−11 0.9	2.154	3.145	4.9	21.2
8 9	19 36.15	−11 28.7	2.207	3.157	7.7	21.4
8 19	19 30.91	−11 58.4	2.284	3.168	10.5	21.6

124350 2001 QX_{122} 7 18.4 30°.10 0°.7/18.2 18

6 10	20 17.61	−19 40.0	1.043	1.916	21.1	19.0
6 20	20 15.16	−20 7.9	0.988	1.924	16.5	18.8
6 30	20 9.12	−20 48.3	0.950	1.932	11.2	18.5
7 10	20 0.34	−21 35.9	0.931	1.941	5.2	18.2
7 20	19 50.19	−22 23.8	0.935	1.950	1.3	18.0
7 30	19 40.45	−23 5.4	0.960	1.961	7.3	18.4
8 9	19 32.79	−23 36.5	1.008	1.972	12.8	18.7
8 19	19 28.31	−23 55.8	1.074	1.983	17.5	19.1

430965 2005 WX_{42} 7 18.4 122°.44 2°.4/19.5 17

6 10	20 21.06	−13 57.1	2.090	2.896	14.4	22.1
6 20	20 15.82	−13 45.4	2.018	2.912	11.4	21.9
6 30	20 8.53	−13 42.3	1.969	2.928	8.0	21.8
7 10	19 59.77	−13 46.8	1.944	2.943	4.5	21.6
7 20	19 50.33	−13 57.5	1.946	2.957	2.4	21.5
7 30	19 41.13	−14 12.2	1.977	2.971	4.8	21.7
8 9	19 33.06	−14 29.0	2.034	2.984	8.2	21.9
8 19	19 26.79	−14 46.0	2.117	2.997	11.4	22.1

105418 2000 QR_{164} 7 18.4 313°.83 0°.6/18.2 18

6 10	20 18.82	−23 5.0	1.965	2.799	14.2	19.6
6 20	20 14.56	−22 56.0	1.876	2.790	11.1	19.4
6 30	20 7.97	−22 49.3	1.808	2.781	7.5	19.2
7 10	19 59.62	−22 42.5	1.765	2.773	3.5	18.9
7 20	19 50.35	−22 33.6	1.749	2.764	1.0	18.7
7 30	19 41.19	−22 21.0	1.759	2.756	5.0	19.0
8 9	19 33.18	−22 4.0	1.796	2.748	9.0	19.2
8 19	19 27.12	−21 43.2	1.856	2.740	12.5	19.4

266477 2008 CX_{4} 7 18.4 276°.78 11°.3/25.7 17

6 10	20 17.50	+ 8 15.3	1.238	2.003	24.5	19.9
6 20	20 14.83	+ 7 58.8	1.152	1.994	21.7	19.7
6 30	20 8.96	+ 7 0.1	1.079	1.984	18.3	19.4
7 10	20 0.42	+ 5 12.7	1.024	1.974	14.6	19.1
7 20	19 50.15	+ 2 35.6	0.989	1.964	11.8	19.0
7 30	19 39.63	− 0 43.7	0.978	1.953	11.6	18.9
8 9	19 30.49	− 4 28.5	0.991	1.943	14.3	19.0
8 19	19 24.05	− 8 19.2	1.027	1.934	18.4	19.2

516278 2016 WQ_{18} 7 18.4 232°.97 2°.4/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 15.86	−12 28.7	2.569	3.370	12.2	22.7
6 20	20 11.66	−12 26.4	2.471	3.360	9.8	22.5
6 30	20 5.73	−12 32.5	2.394	3.350	7.0	22.3
7 10	19 58.50	−12 46.5	2.343	3.339	4.1	22.1
7 20	19 50.56	−13 6.9	2.319	3.329	2.4	22.0
7 30	19 42.62	−13 32.1	2.324	3.318	4.3	22.1
8 9	19 35.41	−13 59.7	2.356	3.306	7.3	22.3
8 19	19 29.55	−14 27.9	2.414	3.295	10.2	22.5

40170 1998 RK 7 18.4 4°.28 7°.5/23.9 18 R

6 10	20 12.59	+ 3 46.6	2.203	2.947	15.6	18.7
6 20	20 9.32	+ 3 50.7	2.118	2.947	13.5	18.6
6 30	20 4.25	+ 3 34.3	2.051	2.947	11.2	18.4
7 10	19 57.83	+ 2 56.0	2.006	2.948	9.0	18.3
7 20	19 50.69	+ 1 56.1	1.985	2.949	7.6	18.2
7 30	19 43.60	+ 0 37.3	1.990	2.950	7.8	18.2
8 9	19 37.33	− 0 55.3	2.020	2.951	9.5	18.3
8 19	19 32.54	− 2 36.0	2.076	2.952	11.7	18.5

211313 2002 SF_{38} 7 18.4 262°.45 20°.9/29.6 17

6 10	20 16.65	+19 47.7	1.265	1.960	27.2	20.2
6 20	20 14.16	+21 36.4	1.194	1.950	25.7	20.0
6 30	20 8.49	+22 49.0	1.134	1.940	24.1	19.8
7 10	20 0.18	+23 14.1	1.085	1.930	22.5	19.7
7 20	19 50.21	+22 42.9	1.050	1.919	21.3	19.6
7 30	19 40.04	+21 11.6	1.030	1.909	20.9	19.5
8 9	19 31.30	+18 45.3	1.027	1.898	21.4	19.5
8 19	19 25.26	+15 36.2	1.041	1.887	22.9	19.6

450027 2015 QS_{10} 7 18.4 282°.53 4°.4/20.8 18

6 10	20 13.82	− 6 41.4	2.340	3.129	13.6	21.2
6 20	20 10.26	− 6 30.3	2.241	3.116	11.2	21.0
6 30	20 4.89	− 6 31.9	2.163	3.103	8.6	20.8
7 10	19 58.15	− 6 46.4	2.108	3.090	5.9	20.6
7 20	19 50.63	− 7 13.3	2.080	3.077	4.4	20.5
7 30	19 43.08	− 7 50.7	2.079	3.064	5.6	20.6
8 9	19 36.28	− 8 35.7	2.105	3.052	8.2	20.7
8 19	19 30.89	− 9 25.0	2.155	3.039	11.1	20.9

346828 2009 DW_{3} 7 18.4 207°.74 0°.7/18.9 18

6 10	20 17.31	−16 13.9	2.407	3.219	12.6	21.3
6 20	20 12.94	−16 41.9	2.314	3.214	9.9	21.1
6 30	20 6.68	−17 18.4	2.243	3.209	6.8	20.9
7 10	19 58.98	−18 1.1	2.198	3.203	3.3	20.7
7 20	19 50.48	−18 47.3	2.181	3.197	0.8	20.5
7 30	19 41.98	−19 33.5	2.193	3.190	4.2	20.7
8 9	19 34.30	−20 16.9	2.233	3.183	7.6	20.9
8 19	19 28.13	−20 55.5	2.298	3.175	10.7	21.1

327777 2006 UC_{149} 7 18.4 170°.04 0°.8/18.8 17

6 10	20 20.16	−17 36.0	1.666	2.499	16.4	22.0
6 20	20 15.91	−17 45.8	1.588	2.500	12.9	21.8
6 30	20 9.04	−18 4.9	1.530	2.501	8.8	21.5
7 10	20 0.18	−18 30.7	1.496	2.502	4.3	21.2
7 20	19 50.26	−18 59.8	1.487	2.503	1.0	21.0
7 30	19 40.48	−19 28.6	1.505	2.503	5.5	21.3
8 9	19 32.03	−19 54.2	1.548	2.504	9.9	21.6
8 19	19 25.82	−20 14.8	1.614	2.504	13.8	21.8

71168 1999 XQ_{204} 7 18.4 201°.27 3°.1/17.2 18

6 10	20 23.43	−29 55.7	2.322	3.144	12.7	19.7
6 20	20 17.84	−30 10.8	2.235	3.141	10.0	19.5
6 30	20 10.01	−30 24.2	2.171	3.137	7.0	19.3
7 10	20 0.52	−30 32.2	2.133	3.133	4.1	19.1
7 20	19 50.21	−30 31.4	2.122	3.128	3.2	19.0
7 30	19 40.06	−30 20.1	2.140	3.123	5.6	19.2
8 9	19 31.06	−29 58.2	2.185	3.118	8.8	19.4
8 19	19 23.96	−29 27.5	2.255	3.112	11.7	19.5

369508 2010 VN_{103} 7 18.4 282°.54 1°.0/18.8 17

6 10	20 18.72	−17 25.1	1.506	2.348	17.4	21.8
6 20	20 15.28	−17 30.8	1.417	2.334	13.8	21.5
6 30	20 8.94	−17 47.0	1.347	2.321	9.6	21.2
7 10	20 0.28	−18 11.5	1.300	2.307	4.7	20.9
7 20	19 50.23	−18 40.9	1.278	2.293	1.2	20.6
7 30	19 40.13	−19 11.2	1.280	2.280	6.0	20.9
8 9	19 31.36	−19 38.9	1.307	2.266	11.0	21.1
8 19	19 25.01	−20 1.7	1.356	2.252	15.4	21.4

366043 2012 CJ_{5} 7 18.4 220°.79 1°.1/17.6 18

6 10	20 16.15	−22 27.6	2.863	3.681	10.6	21.6
6 20	20 11.81	−23 6.0	2.767	3.673	8.3	21.4
6 30	20 5.81	−23 48.6	2.694	3.664	5.6	21.2
7 10	19 58.55	−24 32.6	2.649	3.655	2.7	21.0
7 20	19 50.58	−25 14.9	2.633	3.646	1.4	20.9
7 30	19 42.60	−25 52.8	2.645	3.636	4.1	21.1
8 9	19 35.31	−26 24.3	2.686	3.626	7.0	21.3
8 19	19 29.32	−26 48.4	2.753	3.616	9.6	21.4

206702 2004 BR_{11} 7 18.4 187°.50 0°.2/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 18.12	−19 58.9	2.237	3.060	13.0	21.7
6 20	20 13.68	−20 15.3	2.152	3.060	10.2	21.5
6 30	20 7.21	−20 37.3	2.089	3.059	6.9	21.3
7 10	19 59.23	−21 2.5	2.052	3.059	3.2	21.1
7 20	19 50.46	−21 27.8	2.042	3.057	0.7	20.9
7 30	19 41.78	−21 50.8	2.060	3.056	4.5	21.2
8 9	19 34.07	−22 9.4	2.105	3.054	8.0	21.4
8 19	19 28.03	−22 22.8	2.175	3.053	11.2	21.6

386432 2008 VO_{38} 7 18.4 239°.51 3°.7/16.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 20.19	−28 36.0	1.921	2.759	14.3	22.1
6 20	20 15.88	−29 20.6	1.841	2.756	11.3	21.9
6 30	20 9.00	−30 6.6	1.782	2.752	7.9	21.7
7 10	20 0.18	−30 48.8	1.748	2.748	4.7	21.5
7 20	19 50.29	−31 21.9	1.740	2.744	4.0	21.5
7 30	19 40.51	−31 42.2	1.758	2.740	6.7	21.6
8 9	19 31.99	−31 48.3	1.802	2.736	10.2	21.8
8 19	19 25.62	−31 41.2	1.869	2.732	13.4	22.0

98273 2000 SG_{207} 7 18.4 253°.53 3°.9/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 22.79	−27 40.2	1.503	2.351	17.1	19.9
6 20	20 18.64	−28 18.3	1.423	2.345	13.5	19.7
6 30	20 11.28	−28 59.0	1.364	2.338	9.4	19.4
7 10	20 1.39	−29 36.2	1.327	2.331	5.3	19.2
7 20	19 50.08	−30 3.4	1.316	2.324	4.2	19.1
7 30	19 38.88	−30 15.8	1.329	2.317	7.7	19.3
8 9	19 29.32	−30 12.4	1.366	2.309	12.0	19.5
8 19	19 22.53	−29 54.9	1.425	2.302	16.0	19.7

88269 2001 KF_{77} 7 18.4 8°.08 0°.2/17.6 06 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 57.65	−25 15.2	19.083	19.900	1.8	22.6
6 20	19 56.37	−25 19.8	18.996	19.902	1.4	22.6
6 30	19 54.89	−25 24.6	18.934	19.904	0.9	22.5
7 10	19 53.29	−25 29.2	18.900	19.906	0.4	22.5
7 20	19 51.63	−25 33.5	18.895	19.908	0.3	22.4
7 30	19 49.97	−25 37.3	18.920	19.910	0.7	22.5
8 9	19 48.40	−25 40.4	18.973	19.912	1.1	22.6
8 19	19 46.98	−25 42.7	19.053	19.914	1.6	22.6

452146 2015 RC_{30} 7 18.4 306°.83 0°.4/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 15.50	−20 57.2	2.102	2.936	13.4	21.6
6 20	20 11.96	−21 11.3	2.004	2.918	10.5	21.4
6 30	20 6.27	−21 31.0	1.927	2.900	7.1	21.2
7 10	19 58.90	−21 53.8	1.875	2.882	3.4	20.9
7 20	19 50.57	−22 16.6	1.849	2.865	0.8	20.7
7 30	19 42.20	−22 36.7	1.851	2.848	4.8	20.9
8 9	19 34.76	−22 52.1	1.879	2.831	8.7	21.1
8 19	19 29.05	−23 1.5	1.930	2.814	12.1	21.3

299216 2005 JY_{62} 7 18.4 275°.01 0°.6/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 17.11	−18 11.2	2.024	2.851	14.1	21.5
6 20	20 13.16	−18 18.5	1.934	2.844	11.1	21.3
6 30	20 7.02	−18 33.0	1.867	2.837	7.6	21.1
7 10	19 59.23	−18 52.6	1.824	2.830	3.7	20.8
7 20	19 50.52	−19 14.8	1.807	2.823	0.8	20.6
7 30	19 41.85	−19 36.8	1.818	2.816	4.7	20.9
8 9	19 34.21	−19 56.4	1.855	2.809	8.6	21.1
8 19	19 28.36	−20 12.1	1.916	2.802	12.1	21.3

504919 2011 BW_{52} 7 18.4 231°.47 2°.7/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 23.37	−26 58.8	1.766	2.602	15.4	22.0
6 20	20 18.53	−27 16.9	1.681	2.596	12.2	21.7
6 30	20 10.90	−27 36.2	1.617	2.589	8.4	21.5
7 10	20 1.11	−27 52.3	1.578	2.582	4.4	21.2
7 20	19 50.17	−28 0.6	1.564	2.575	3.0	21.1
7 30	19 39.35	−27 58.2	1.577	2.567	6.4	21.3
8 9	19 29.95	−27 44.6	1.616	2.559	10.5	21.5
8 19	19 22.93	−27 21.3	1.677	2.551	14.2	21.8

388675 2007 TZ_{444} 7 18.4 349°.24 6°.9/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 20.96	−35 53.5	1.940	2.776	14.3	20.5
6 20	20 16.76	−37 17.4	1.869	2.775	11.6	20.3
6 30	20 9.77	−38 38.8	1.821	2.775	9.0	20.1
7 10	20 0.61	−39 49.8	1.797	2.775	7.1	20.0
7 20	19 50.25	−40 43.5	1.799	2.775	7.2	20.0
7 30	19 39.99	−41 15.3	1.826	2.775	9.2	20.1
8 9	19 31.10	−41 24.6	1.877	2.775	11.8	20.3
8 19	19 24.59	−41 13.8	1.949	2.775	14.5	20.5

316476 2010 VT_{30} 7 18.4 154°.02 9°.2/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 13.90	+10 53.5	2.743	3.420	14.2	20.6
6 20	20 9.97	+11 43.7	2.662	3.424	12.8	20.5
6 30	20 4.51	+12 16.3	2.599	3.427	11.3	20.3
7 10	19 57.94	+12 28.6	2.556	3.430	10.1	20.3
7 20	19 50.78	+12 19.2	2.536	3.433	9.3	20.2
7 30	19 43.67	+11 48.5	2.541	3.436	9.3	20.2
8 9	19 37.25	+10 58.9	2.569	3.438	10.1	20.3
8 19	19 32.07	+ 9 54.5	2.620	3.441	11.3	20.4

452143 2015 RN_{18} 7 18.4 191°.21 17°.4/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 19.87	+15 19.0	1.382	2.089	24.8	21.3
6 20	20 16.26	+16 54.1	1.313	2.088	22.9	21.2
6 30	20 9.64	+17 56.6	1.257	2.087	20.9	21.0
7 10	20 0.64	+18 17.6	1.216	2.086	19.0	20.9
7 20	19 50.25	+17 51.0	1.191	2.084	17.7	20.8
7 30	19 39.84	+16 35.8	1.185	2.081	17.4	20.8
8 9	19 30.87	+14 38.2	1.197	2.078	18.3	20.8
8 19	19 24.43	+12 9.7	1.229	2.075	20.1	20.9

253550 2003 SH_{246} 7 18.4 245°.37 3°.0/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 22.91	−26 3.6	1.682	2.522	15.9	21.2
6 20	20 18.46	−26 38.5	1.593	2.510	12.6	21.0
6 30	20 11.05	−27 17.3	1.524	2.497	8.7	20.7
7 10	20 1.28	−27 54.7	1.480	2.484	4.6	20.4
7 20	19 50.13	−28 25.0	1.461	2.471	3.3	20.3
7 30	19 38.96	−28 43.8	1.468	2.457	6.9	20.5
8 9	19 29.18	−28 49.1	1.500	2.443	11.2	20.7
8 19	19 21.86	−28 41.9	1.555	2.428	15.1	20.9

95789 2003 FY_{15} 7 18.4 68°.10 0°.3/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 24.82	−22 26.6	1.283	2.133	19.3	19.4
6 20	20 20.14	−22 8.3	1.220	2.143	15.1	19.1
6 30	20 12.14	−21 54.0	1.176	2.153	10.2	18.9
7 10	20 1.69	−21 40.8	1.154	2.162	4.8	18.6
7 20	19 50.11	−21 25.8	1.156	2.172	0.9	18.3
7 30	19 39.04	−21 7.4	1.183	2.182	6.5	18.8
8 9	19 29.96	−20 45.5	1.234	2.192	11.5	19.1
8 19	19 23.83	−20 21.1	1.306	2.202	15.9	19.4

188357 2003 YQ_{73} 7 18.4 198°.42 1°.3/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 22.32	−22 28.1	1.855	2.685	15.0	21.2
6 20	20 17.50	−22 54.8	1.771	2.683	11.8	21.0
6 30	20 10.11	−23 27.0	1.708	2.680	8.0	20.8
7 10	20 0.73	−24 0.8	1.669	2.676	3.8	20.5
7 20	19 50.27	−24 31.8	1.658	2.672	1.6	20.3
7 30	19 39.89	−24 56.4	1.673	2.667	5.6	20.6
8 9	19 30.76	−25 12.3	1.715	2.662	9.7	20.8
8 19	19 23.79	−25 19.5	1.781	2.657	13.4	21.1

467082 2016 DO_{27} 7 18.5 121°.42 2°.4/17.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 22.98	−23 5.6	1.420	2.268	17.9	21.6
6 20	20 18.67	−23 53.5	1.354	2.276	14.0	21.3
6 30	20 11.20	−24 49.0	1.307	2.283	9.5	21.1
7 10	20 1.31	−25 45.7	1.284	2.291	4.7	20.8
7 20	19 50.17	−26 36.9	1.285	2.298	2.7	20.7
7 30	19 39.29	−27 16.7	1.312	2.304	7.0	21.0
8 9	19 30.14	−27 42.5	1.362	2.311	11.6	21.3
8 19	19 23.75	−27 54.5	1.435	2.317	15.6	21.6

184655 2005 SQ_{35} 7 18.5 254°.17 0°.7/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 16.36	−21 4.5	2.294	3.121	12.6	20.9
6 20	20 12.35	−21 29.1	2.206	3.117	9.9	20.7
6 30	20 6.36	−21 58.9	2.141	3.112	6.6	20.5
7 10	19 58.89	−22 31.3	2.100	3.108	3.1	20.3
7 20	19 50.63	−23 3.1	2.087	3.103	1.0	20.1
7 30	19 42.40	−23 31.4	2.103	3.098	4.5	20.4
8 9	19 35.09	−23 54.1	2.145	3.093	8.0	20.6
8 19	19 29.38	−24 10.3	2.211	3.088	11.1	20.8

153824 2001 WN_{45} 7 18.5 122°.88 0°.5/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 20.01	−20 38.7	1.745	2.581	15.6	20.6
6 20	20 15.71	−20 58.1	1.670	2.585	12.2	20.4
6 30	20 8.87	−21 24.4	1.616	2.589	8.2	20.2
7 10	20 0.12	−21 53.9	1.586	2.593	3.8	19.9
7 20	19 50.40	−22 22.8	1.581	2.597	1.0	19.7
7 30	19 40.86	−22 47.6	1.604	2.601	5.4	20.0
8 9	19 32.64	−23 5.9	1.652	2.605	9.6	20.3
8 19	19 26.59	−23 17.0	1.723	2.608	13.3	20.5

93243 2000 SA_{154} 7 18.5 316°.24 11°.0/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 21.42	−41 29.6	1.455	2.303	17.6	19.0
6 20	20 18.67	−43 3.4	1.375	2.280	15.0	18.8
6 30	20 12.01	−44 31.7	1.314	2.258	12.6	18.6
7 10	20 2.03	−45 42.8	1.274	2.237	11.1	18.5
7 20	19 50.00	−46 25.8	1.257	2.216	11.5	18.4
7 30	19 37.87	−46 33.9	1.260	2.196	13.6	18.5
8 9	19 27.71	−46 6.8	1.284	2.176	16.6	18.6
8 19	19 21.05	−45 10.2	1.326	2.157	19.6	18.8

355599 2008 CF_{196} 7 18.5 68°.47 5°.2/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 21.02	−34 37.7	2.164	2.994	13.2	20.7
6 20	20 16.15	−35 22.9	2.104	3.009	10.5	20.6
6 30	20 8.94	−36 4.1	2.065	3.023	7.8	20.4
7 10	20 0.07	−36 35.9	2.051	3.038	5.6	20.3
7 20	19 50.43	−36 54.2	2.064	3.053	5.4	20.3
7 30	19 41.11	−36 56.6	2.103	3.067	7.2	20.5
8 9	19 33.12	−36 43.5	2.168	3.082	9.7	20.7
8 19	19 27.17	−36 17.2	2.256	3.097	12.2	20.9

211071 2002 CW_{216} 7 18.5 22°.88 6°.1/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 22.35	−31 29.7	1.214	2.079	19.3	19.7
6 20	20 18.87	−32 13.5	1.154	2.082	15.3	19.4
6 30	20 11.66	−32 55.7	1.113	2.086	11.0	19.2
7 10	20 1.61	−33 27.8	1.092	2.091	7.1	19.0
7 20	19 50.14	−33 42.3	1.094	2.096	6.3	19.0
7 30	19 39.14	−33 35.0	1.119	2.102	9.5	19.2
8 9	19 30.34	−33 7.2	1.166	2.108	13.7	19.4
8 19	19 24.84	−32 23.1	1.232	2.115	17.6	19.7

311945 2007 CF_{59} 7 18.5 55°.28 0°.6/18.3 18

6 10	20 20.04	−23 37.8	2.240	3.065	13.0	20.0
6 20	20 15.08	−23 23.4	2.160	3.069	10.1	19.9
6 30	20 8.08	−23 10.3	2.102	3.073	6.8	19.7
7 10	19 59.64	−22 56.4	2.071	3.078	3.2	19.4
7 20	19 50.52	−22 40.2	2.067	3.082	0.9	19.3
7 30	19 41.62	−22 20.7	2.091	3.087	4.5	19.5
8 9	19 33.83	−21 57.8	2.142	3.091	7.9	19.8
8 19	19 27.79	−21 32.1	2.219	3.096	11.0	20.0

392321 2010 EP_{67} 7 18.5 213°.49 6°.4/22.1 18

6 10	20 15.67	− 1 38.9	2.051	2.823	15.8	20.8
6 20	20 11.90	− 1 26.8	1.964	2.821	13.3	20.6
6 30	20 6.12	− 1 32.5	1.895	2.818	10.6	20.4
7 10	19 58.81	− 1 57.2	1.850	2.815	8.0	20.2
7 20	19 50.65	− 2 40.4	1.829	2.812	6.4	20.1
7 30	19 42.52	− 3 39.6	1.834	2.809	7.1	20.2
8 9	19 35.30	− 4 50.3	1.865	2.806	9.5	20.3
8 19	19 29.71	− 6 7.3	1.921	2.803	12.3	20.5

450963 2008 KN_{34} 7 18.5 325°.58 0°.5/18.8 17

6 10	20 13.10	−13 38.9	1.871	2.700	15.0	20.3
6 20	20 10.45	−14 48.8	1.769	2.678	11.9	20.0
6 30	20 5.50	−16 16.6	1.688	2.658	8.2	19.7
7 10	19 58.68	−17 59.0	1.631	2.637	4.0	19.4
7 20	19 50.66	−19 50.4	1.602	2.618	0.8	19.1
7 30	19 42.42	−21 43.4	1.600	2.599	5.2	19.4
8 9	19 35.04	−23 30.7	1.626	2.580	9.5	19.6
8 19	19 29.46	−25 6.9	1.675	2.563	13.5	19.8

512204 2015 TX_{50} 7 18.5 353°.83 2°.7/19.7 18

6 10	20 14.20	−13 21.7	1.905	2.730	14.9	20.8
6 20	20 10.94	−13 9.8	1.823	2.727	12.0	20.6
6 30	20 5.54	−13 8.0	1.761	2.724	8.5	20.4
7 10	19 58.55	−13 15.7	1.723	2.722	4.9	20.2
7 20	19 50.71	−13 31.5	1.710	2.721	2.7	20.0
7 30	19 42.97	−13 53.2	1.723	2.720	5.2	20.2
8 9	19 36.27	−14 18.0	1.762	2.719	8.8	20.4
8 19	19 31.34	−14 43.5	1.825	2.719	12.2	20.6

516671 2008 SM_{225} 7 18.5 246°.56 4°.4/16.4 18

6 10	20 22.17	−30 59.6	2.082	2.912	13.6	22.0
6 20	20 17.41	−31 44.4	1.990	2.899	10.8	21.8
6 30	20 10.10	−32 29.2	1.920	2.885	7.8	21.6
7 10	20 0.77	−33 8.5	1.876	2.871	5.1	21.4
7 20	19 50.30	−33 37.0	1.858	2.857	4.6	21.3
7 30	19 39.82	−33 51.1	1.867	2.842	7.0	21.4
8 9	19 30.51	−33 49.7	1.902	2.827	10.3	21.6
8 19	19 23.30	−33 34.1	1.960	2.811	13.4	21.8

217022 2001 KE_{75} 7 18.5 94°.62 6°.0/20.8 17

6 10	20 20.05	− 6 54.9	1.613	2.417	18.1	20.6
6 20	20 15.65	− 6 17.7	1.546	2.430	14.9	20.4
6 30	20 8.76	− 5 56.5	1.499	2.443	11.3	20.2
7 10	20 0.05	− 5 52.6	1.473	2.455	7.9	20.0
7 20	19 50.46	− 6 5.6	1.471	2.468	6.0	20.0
7 30	19 41.13	− 6 33.2	1.496	2.480	7.4	20.1
8 9	19 33.16	− 7 11.4	1.544	2.492	10.5	20.3
8 19	19 27.35	− 7 55.7	1.616	2.504	13.8	20.5

184511 2005 QT 7 18.5 313°.36 1°.3/18.9 18

6 10	20 15.34	−16 45.3	1.371	2.224	18.2	19.9
6 20	20 12.99	−16 49.8	1.280	2.203	14.5	19.6
6 30	20 7.65	−17 6.5	1.207	2.182	10.1	19.3
7 10	19 59.83	−17 33.8	1.155	2.162	5.1	18.9
7 20	19 50.45	−18 8.3	1.127	2.142	1.5	18.6
7 30	19 40.91	−18 45.6	1.122	2.123	6.4	18.9
8 9	19 32.70	−19 21.2	1.141	2.104	11.7	19.1
8 19	19 27.03	−19 52.0	1.180	2.086	16.5	19.3

260978 2005 SQ_{61} 7 18.5 207°.69 0°.6/18.1 18

6 10	20 16.94	−21 29.0	2.661	3.480	11.3	21.6
6 20	20 12.50	−21 47.7	2.569	3.475	8.8	21.5
6 30	20 6.31	−22 10.3	2.501	3.471	5.9	21.3
7 10	19 58.84	−22 34.4	2.459	3.466	2.8	21.0
7 20	19 50.68	−22 57.7	2.446	3.461	0.8	20.9
7 30	19 42.56	−23 17.9	2.461	3.456	4.0	21.1
8 9	19 35.24	−23 33.4	2.504	3.450	7.1	21.3
8 19	19 29.31	−23 43.5	2.573	3.444	9.9	21.5

44492 1998 WE_{31} 7 18.5 228°.37 2°.1/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 14.32	−10 35.8	2.716	3.509	11.8	19.3
6 20	20 10.42	−11 7.0	2.618	3.503	9.5	19.1
6 30	20 4.91	−11 49.3	2.543	3.497	6.8	19.0
7 10	19 58.19	−12 41.2	2.494	3.491	3.9	18.8
7 20	19 50.80	−13 40.4	2.474	3.484	2.1	18.6
7 30	19 43.39	−14 43.8	2.482	3.477	3.9	18.7
8 9	19 36.63	−15 48.0	2.519	3.470	6.8	18.9
8 19	19 31.11	−16 50.0	2.583	3.463	9.6	19.1

326275 1995 SR_{34} 7 18.5 340°.70 7°.2/16.5 17

6 10	20 16.71	−32 50.5	1.094	1.974	19.9	20.1
6 20	20 15.13	−33 33.6	1.024	1.960	16.1	19.8
6 30	20 9.59	−34 14.4	0.971	1.947	11.8	19.5
7 10	20 0.84	−34 43.7	0.938	1.936	8.1	19.3
7 20	19 50.29	−34 52.8	0.925	1.926	7.5	19.2
7 30	19 39.94	−34 36.6	0.934	1.918	10.7	19.3
8 9	19 31.78	−33 55.7	0.962	1.910	15.2	19.6
8 19	19 27.15	−32 55.3	1.009	1.905	19.5	19.8

508894 2003 UR_{58} 7 18.5 359°.15 2°.8/19.4 17

6 10	20 15.63	−14 58.3	1.467	2.311	17.6	20.0
6 20	20 12.67	−14 35.7	1.393	2.309	14.1	19.7
6 30	20 7.03	−14 23.7	1.337	2.307	10.0	19.5
7 10	19 59.35	−14 21.8	1.304	2.306	5.5	19.2
7 20	19 50.59	−14 28.5	1.294	2.307	2.8	19.1
7 30	19 42.01	−14 41.4	1.309	2.307	6.1	19.3
8 9	19 34.81	−14 57.8	1.348	2.309	10.5	19.5
8 19	19 29.91	−15 14.9	1.408	2.312	14.5	19.8

152861 1999 XO_{50} 7 18.5 218°.59 1°.9/19.5 18

6 10	20 15.40	−14 5.0	2.629	3.433	11.8	20.8
6 20	20 11.26	−14 3.0	2.535	3.429	9.4	20.6
6 30	20 5.46	−14 8.4	2.465	3.425	6.6	20.4
7 10	19 58.45	−14 20.3	2.420	3.420	3.7	20.2
7 20	19 50.78	−14 37.2	2.403	3.415	1.9	20.1
7 30	19 43.15	−14 57.4	2.414	3.410	4.0	20.2
8 9	19 36.27	−15 19.0	2.453	3.404	7.0	20.4
8 19	19 30.71	−15 40.4	2.518	3.399	9.8	20.6

182006 1999 XJ_{45} 7 18.5 291°.05 6°.6/13.7 18

6 10	20 19.56	−36 23.6	2.265	3.093	12.7	20.0
6 20	20 15.58	−37 51.4	2.169	3.070	10.5	19.8
6 30	20 9.03	−39 18.6	2.097	3.047	8.2	19.6
7 10	20 0.38	−40 38.2	2.050	3.023	6.8	19.5
7 20	19 50.39	−41 43.5	2.029	3.000	7.0	19.4
7 30	19 40.16	−42 29.2	2.035	2.976	8.9	19.5
8 9	19 30.92	−42 53.3	2.065	2.953	11.4	19.6
8 19	19 23.70	−42 57.1	2.117	2.929	13.9	19.8

423039 2003 UM_{91} 7 18.5 253°.96 1°.2/17.9 17

6 10	20 21.13	−21 10.1	1.714	2.549	15.9	22.0
6 20	20 17.01	−21 44.3	1.618	2.533	12.5	21.7
6 30	20 10.10	−22 27.1	1.543	2.516	8.5	21.4
7 10	20 0.90	−23 14.5	1.492	2.499	4.1	21.1
7 20	19 50.30	−24 1.2	1.466	2.481	1.6	20.9
7 30	19 39.56	−24 42.3	1.468	2.463	6.1	21.2
8 9	19 30.00	−25 14.3	1.495	2.444	10.7	21.4
8 19	19 22.72	−25 35.7	1.544	2.425	14.8	21.6

35012 1981 EU_2 7 18.5 336°.89 2°.2/17.7 18 R

6 10	20 19.84	−27 25.2	1.990	2.826	14.0	18.9
6 20	20 15.39	−27 25.1	1.906	2.821	11.0	18.7
6 30	20 8.56	−27 24.4	1.844	2.816	7.5	18.5
7 10	19 59.98	−27 19.9	1.807	2.812	3.9	18.3
7 20	19 50.51	−27 8.9	1.796	2.808	2.4	18.2
7 30	19 41.23	−26 49.7	1.812	2.804	5.5	18.4
8 9	19 33.19	−26 22.5	1.855	2.800	9.2	18.6
8 19	19 27.18	−25 48.8	1.920	2.797	12.5	18.8

111877 2002 EM_{111} 7 18.5 130°.91 0°.2/18.6 17

6 10	20 19.59	−17 1.6	1.476	2.317	17.7	20.0
6 20	20 15.88	−17 40.0	1.403	2.320	14.0	19.8
6 30	20 9.29	−18 31.6	1.348	2.322	9.5	19.5
7 10	20 0.46	−19 32.4	1.317	2.324	4.5	19.2
7 20	19 50.41	−20 36.8	1.310	2.326	0.8	19.0
7 30	19 40.46	−21 38.5	1.330	2.328	6.0	19.3
8 9	19 31.98	−22 32.5	1.374	2.330	10.8	19.6
8 19	19 25.96	−23 16.3	1.440	2.332	15.0	19.9

97934 2000 QD_{114} 7 18.5 88°.49 5°.1/16.9 18

6 10	20 25.42	−30 43.3	1.398	2.249	18.0	19.3
6 20	20 20.79	−31 18.9	1.333	2.254	14.3	19.1
6 30	20 12.72	−31 53.2	1.288	2.259	10.1	18.9
7 10	20 2.06	−32 19.0	1.265	2.264	6.3	18.7
7 20	19 50.13	−32 29.8	1.266	2.270	5.3	18.6
7 30	19 38.62	−32 22.1	1.291	2.275	8.4	18.8
8 9	19 29.10	−31 56.7	1.340	2.280	12.5	19.1
8 19	19 22.63	−31 17.4	1.410	2.285	16.3	19.3

440952 2007 BX_{12} 7 18.5 262°.19 0°.1/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 15.59	−17 54.4	2.353	3.173	12.6	21.4
6 20	20 11.76	−18 27.4	2.257	3.163	9.9	21.2
6 30	20 6.01	−19 8.5	2.183	3.153	6.7	21.0
7 10	19 58.79	−19 55.2	2.135	3.142	3.2	20.8
7 20	19 50.72	−20 44.1	2.115	3.131	0.6	20.5
7 30	19 42.61	−21 31.9	2.123	3.120	4.3	20.8
8 9	19 35.32	−22 15.5	2.159	3.109	7.8	21.0
8 19	19 29.53	−22 53.0	2.219	3.098	11.0	21.2

367065 2006 MD_{10} 7 18.5 328°.55 0°.2/18.4 17

6 10	20 12.77	−21 7.2	1.070	1.951	20.1	20.2
6 20	20 11.83	−21 1.9	0.986	1.926	16.1	19.9
6 30	20 7.34	−21 4.6	0.919	1.903	11.1	19.5
7 10	19 59.86	−21 12.7	0.871	1.880	5.3	19.1
7 20	19 50.48	−21 22.2	0.843	1.859	1.0	18.7
7 30	19 40.93	−21 28.8	0.837	1.839	7.5	19.1
8 9	19 33.09	−21 29.8	0.852	1.821	13.6	19.3
8 19	19 28.40	−21 23.9	0.884	1.805	19.1	19.6

91978 1999 VV_{96} 7 18.5 228°.85 0°.5/18.2 18

6 10	20 16.56	−21 21.7	2.711	3.529	11.2	21.1
6 20	20 12.21	−21 38.7	2.615	3.521	8.7	20.9
6 30	20 6.14	−21 59.5	2.543	3.512	5.9	20.7
7 10	19 58.78	−22 22.1	2.497	3.503	2.7	20.5
7 20	19 50.73	−22 44.0	2.479	3.494	0.8	20.3
7 30	19 42.71	−23 3.0	2.490	3.485	3.9	20.6
8 9	19 35.43	−23 17.7	2.529	3.475	7.0	20.7
8 19	19 29.53	−23 27.3	2.593	3.465	9.8	20.9

213686 2002 TX_{209} 7 18.5 292°.36 5°.8/21.6 18

6 10	20 14.57	− 4 2.0	1.970	2.758	15.8	20.5
6 20	20 11.20	− 3 51.5	1.879	2.750	13.2	20.3
6 30	20 5.75	− 3 57.9	1.807	2.742	10.3	20.1
7 10	19 58.70	− 4 22.2	1.758	2.734	7.5	19.9
7 20	19 50.74	− 5 3.7	1.734	2.726	5.8	19.8
7 30	19 42.77	− 6 0.0	1.736	2.719	6.7	19.9
8 9	19 35.71	− 7 6.4	1.764	2.711	9.5	20.0
8 19	19 30.33	− 8 18.1	1.815	2.704	12.6	20.2

208886 2002 TD_{95} 7 18.5 266°.68 1°.8/17.7 18

6 10	20 19.04	−24 44.4	2.021	2.855	13.8	20.7
6 20	20 14.80	−25 5.1	1.934	2.848	10.8	20.5
6 30	20 8.22	−25 28.8	1.868	2.841	7.4	20.3
7 10	19 59.86	−25 52.0	1.827	2.834	3.7	20.0
7 20	19 50.54	−26 10.9	1.813	2.826	2.1	19.9
7 30	19 41.29	−26 22.6	1.826	2.819	5.4	20.1
8 9	19 33.16	−26 25.9	1.866	2.811	9.2	20.3
8 19	19 26.96	−26 20.7	1.928	2.804	12.5	20.5

85637 1998 MO_{12} 7 18.5 38°.75 3°.7/20.9 17

6 10	20 14.02	− 7 21.7	1.933	2.737	15.5	19.3
6 20	20 10.68	− 7 46.6	1.860	2.747	12.6	19.1
6 30	20 5.31	− 8 28.3	1.807	2.757	9.3	18.9
7 10	19 58.44	− 9 25.3	1.777	2.768	5.9	18.7
7 20	19 50.81	−10 34.5	1.774	2.780	3.7	18.6
7 30	19 43.31	−11 51.5	1.797	2.791	5.3	18.7
8 9	19 36.82	−13 11.0	1.847	2.803	8.5	19.0
8 19	19 32.04	−14 28.1	1.922	2.815	11.7	19.2

515960 2015 RL_{90} 7 18.5 307°.81 2°.7/17.2 18

6 10	20 16.88	−27 6.7	2.106	2.944	13.2	21.1
6 20	20 13.19	−27 34.5	2.008	2.924	10.4	20.9
6 30	20 7.21	−28 4.3	1.931	2.903	7.2	20.7
7 10	19 59.44	−28 32.1	1.879	2.883	4.0	20.4
7 20	19 50.61	−28 54.0	1.854	2.863	3.0	20.3
7 30	19 41.74	−29 6.7	1.855	2.843	5.9	20.5
8 9	19 33.87	−29 8.8	1.882	2.823	9.4	20.6
8 19	19 27.85	−29 0.6	1.933	2.804	12.7	20.8

373248 2012 GQ_{18} 7 18.5 102°.34 0°.4/18.3 17

6 10	20 21.28	−19 25.7	1.616	2.452	16.6	21.5
6 20	20 16.82	−19 56.7	1.550	2.465	13.0	21.3
6 30	20 9.67	−20 36.5	1.504	2.477	8.7	21.1
7 10	20 0.55	−21 20.9	1.482	2.490	4.1	20.8
7 20	19 50.44	−22 5.2	1.486	2.502	0.9	20.6
7 30	19 40.60	−22 44.8	1.516	2.513	5.6	21.0
8 9	19 32.22	−23 16.7	1.572	2.525	10.0	21.2
8 19	19 26.17	−23 39.7	1.650	2.536	13.8	21.5

346603 2008 WH_{35} 7 18.5 308°.37 0°.4/18.3 18

6 10	20 17.50	−20 33.1	1.675	2.518	15.8	21.5
6 20	20 14.05	−20 46.7	1.588	2.507	12.5	21.2
6 30	20 7.98	−21 7.4	1.522	2.497	8.5	21.0
7 10	19 59.85	−21 32.4	1.479	2.486	4.0	20.7
7 20	19 50.55	−21 57.7	1.461	2.476	0.9	20.4
7 30	19 41.28	−22 19.9	1.469	2.467	5.6	20.7
8 9	19 33.25	−22 36.4	1.501	2.457	10.1	21.0
8 19	19 27.41	−22 46.1	1.557	2.448	14.1	21.2

58849 1998 HZ_{72} 7 18.5 121°.40 1°.9/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 16.90	−14 45.3	2.293	3.104	13.1	20.2
6 20	20 12.60	−14 37.4	2.211	3.109	10.4	20.1
6 30	20 6.44	−14 37.1	2.152	3.114	7.3	19.9
7 10	19 58.93	−14 43.5	2.117	3.118	4.0	19.7
7 20	19 50.74	−14 55.0	2.110	3.122	2.0	19.5
7 30	19 42.68	−15 9.9	2.131	3.127	4.4	19.7
8 9	19 35.54	−15 26.2	2.178	3.131	7.6	19.9
8 19	19 29.96	−15 42.3	2.251	3.135	10.7	20.1

505482 2013 VQ_{18} 7 18.5 191°.50 3°.7/16.8 18

6 10	20 23.52	−29 57.0	2.128	2.955	13.5	21.4
6 20	20 18.23	−30 34.0	2.046	2.954	10.7	21.2
6 30	20 10.50	−31 10.6	1.986	2.952	7.5	21.0
7 10	20 0.93	−31 41.9	1.951	2.950	4.6	20.8
7 20	19 50.38	−32 3.4	1.944	2.947	3.9	20.8
7 30	19 39.96	−32 12.0	1.964	2.943	6.4	20.9
8 9	19 30.77	−32 7.1	2.011	2.940	9.6	21.1
8 19	19 23.64	−31 50.3	2.081	2.935	12.6	21.3

359578 2010 TR_{184} 7 18.5 323°.39 5°.4/16.2 18

6 10	20 20.34	−34 58.5	2.080	2.913	13.5	20.9
6 20	20 15.96	−35 34.4	1.999	2.906	10.9	20.7
6 30	20 9.06	−36 6.4	1.940	2.899	8.1	20.5
7 10	20 0.27	−36 29.1	1.905	2.892	5.9	20.4
7 20	19 50.50	−36 37.9	1.896	2.886	5.6	20.3
7 30	19 40.90	−36 30.2	1.913	2.880	7.6	20.4
8 9	19 32.59	−36 6.1	1.955	2.874	10.4	20.6
8 19	19 26.42	−35 28.3	2.020	2.868	13.2	20.8

370012 2000 AO_{129} 7 18.5 199°.13 0°.5/18.7 17

6 10	20 23.06	−19 11.6	2.169	2.982	13.7	22.2
6 20	20 17.65	−19 12.5	2.077	2.978	10.8	22.0
6 30	20 10.01	−19 18.7	2.007	2.973	7.4	21.8
7 10	20 0.68	−19 28.1	1.962	2.968	3.6	21.6
7 20	19 50.44	−19 38.5	1.946	2.962	0.7	21.3
7 30	19 40.27	−19 47.6	1.958	2.955	4.6	21.6
8 9	19 31.14	−19 54.0	1.998	2.947	8.5	21.8
8 19	19 23.85	−19 56.9	2.063	2.938	11.8	22.0

153244 2001 AQ_{50} 7 18.5 80°.64 1°.3/17.6 17

6 10	20 16.82	−21 29.4	2.324	3.150	12.5	20.4
6 20	20 12.61	−22 24.8	2.255	3.166	9.7	20.2
6 30	20 6.49	−23 25.8	2.209	3.181	6.5	20.0
7 10	19 58.98	−24 28.5	2.189	3.196	3.1	19.8
7 20	19 50.77	−25 28.6	2.198	3.211	1.6	19.8
7 30	19 42.69	−26 22.3	2.234	3.226	4.6	20.0
8 9	19 35.57	−27 7.0	2.299	3.241	7.9	20.2
8 19	19 30.05	−27 41.5	2.387	3.256	10.7	20.4

338014 2002 ES_{162} 7 18.5 41°.04 8°.3/22.5 17

6 10	20 15.49	− 1 12.4	1.561	2.354	19.1	20.7
6 20	20 12.21	− 0 29.9	1.498	2.365	16.2	20.5
6 30	20 6.52	− 0 8.7	1.451	2.377	13.0	20.4
7 10	19 59.07	− 0 11.2	1.426	2.389	10.1	20.2
7 20	19 50.76	− 0 37.6	1.422	2.402	8.4	20.1
7 30	19 42.66	− 1 25.3	1.443	2.415	9.0	20.2
8 9	19 35.85	− 2 28.9	1.487	2.429	11.3	20.4
8 19	19 31.11	− 3 41.7	1.553	2.443	14.2	20.6

368522 2003 WX_{18} 7 18.5 267°.76 3°.5/17.3 18

6 10	20 23.36	−27 26.8	1.623	2.466	16.3	21.7
6 20	20 19.07	−27 56.5	1.529	2.447	12.9	21.4
6 30	20 11.67	−28 28.8	1.456	2.428	9.0	21.1
7 10	20 1.73	−28 58.1	1.405	2.409	5.0	20.9
7 20	19 50.25	−29 18.6	1.380	2.390	3.7	20.7
7 30	19 38.68	−29 25.9	1.381	2.370	7.3	20.9
8 9	19 28.53	−29 18.5	1.406	2.350	11.7	21.1
8 19	19 20.98	−28 58.0	1.453	2.329	15.9	21.3

438258 2005 WO_{136} 7 18.5 324°.76 3°.3/20.0 18

6 10	20 15.32	−11 11.7	2.162	2.970	13.9	21.5
6 20	20 11.55	−10 57.1	2.075	2.967	11.3	21.3
6 30	20 5.86	−10 52.7	2.009	2.964	8.2	21.1
7 10	19 58.72	−10 58.4	1.968	2.962	5.1	21.0
7 20	19 50.83	−11 13.0	1.953	2.960	3.3	20.8
7 30	19 42.99	−11 34.8	1.965	2.957	5.1	20.9
8 9	19 36.07	−12 1.4	2.003	2.955	8.2	21.1
8 19	19 30.72	−12 30.0	2.066	2.953	11.3	21.3

142300 2002 RY_{148} 7 18.5 277°.94 2°.2/19.2 18

6 10	20 20.03	−16 16.9	1.569	2.403	17.1	20.0
6 20	20 16.17	−15 56.7	1.479	2.391	13.7	19.7
6 30	20 9.51	−15 45.1	1.409	2.378	9.7	19.5
7 10	20 0.63	−15 41.2	1.362	2.365	5.2	19.2
7 20	19 50.47	−15 43.6	1.339	2.353	2.3	18.9
7 30	19 40.29	−15 50.1	1.342	2.340	6.0	19.2
8 9	19 31.42	−15 58.5	1.369	2.327	10.7	19.4
8 19	19 24.88	−16 7.0	1.419	2.315	14.9	19.6

287383 2002 VW_{20} 7 18.5 313°.80 4°.9/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 14.80	−24 9.2	1.276	2.146	18.2	19.8
6 20	20 13.37	−25 43.7	1.178	2.112	14.5	19.5
6 30	20 8.53	−27 35.5	1.099	2.079	10.2	19.1
7 10	20 0.59	−29 37.2	1.041	2.046	6.0	18.8
7 20	19 50.41	−31 37.3	1.007	2.014	5.6	18.7
7 30	19 39.54	−33 23.0	0.997	1.982	10.0	18.8
8 9	19 29.95	−34 45.2	1.008	1.951	15.2	19.0
8 19	19 23.33	−35 40.3	1.038	1.921	20.1	19.2

251428 2008 BD_{16} 7 18.5 293°.46 1°.7/19.1 18

6 10	20 18.57	−15 34.8	1.451	2.292	18.0	20.8
6 20	20 15.66	−15 43.0	1.343	2.259	14.5	20.5
6 30	20 9.65	−16 5.0	1.254	2.225	10.3	20.2
7 10	20 0.95	−16 39.7	1.186	2.191	5.4	19.8
7 20	19 50.37	−17 23.8	1.142	2.157	1.8	19.5
7 30	19 39.28	−18 12.7	1.123	2.123	6.6	19.7
8 9	19 29.27	−19 1.1	1.128	2.088	12.1	19.9
8 19	19 21.73	−19 45.1	1.153	2.054	17.3	20.1

361069 2005 YD_{265} 7 18.5 157°.56 0°.5/18.2 18

6 10	20 15.95	−20 49.0	2.646	3.466	11.4	21.7
6 20	20 11.72	−21 11.3	2.562	3.469	8.8	21.5
6 30	20 5.80	−21 38.0	2.502	3.471	5.9	21.4
7 10	19 58.65	−22 6.8	2.467	3.474	2.8	21.2
7 20	19 50.86	−22 35.1	2.461	3.476	0.7	21.0
7 30	19 43.15	−23 0.5	2.483	3.478	3.9	21.2
8 9	19 36.24	−23 21.4	2.533	3.480	7.0	21.4
8 19	19 30.72	−23 36.8	2.608	3.482	9.7	21.6

157344 2004 TZ_{64} 7 18.5 300°.29 1°.8/19.4 18

6 10	20 14.60	−14 29.1	2.228	3.045	13.3	20.4
6 20	20 11.06	−14 32.2	2.131	3.033	10.6	20.2
6 30	20 5.58	−14 44.1	2.057	3.020	7.4	20.0
7 10	19 58.63	−15 3.9	2.007	3.008	4.0	19.8
7 20	19 50.85	−15 29.6	1.983	2.996	1.8	19.6
7 30	19 43.05	−15 58.9	1.987	2.985	4.5	19.8
8 9	19 36.09	−16 29.1	2.018	2.973	8.0	20.0
8 19	19 30.67	−16 58.1	2.073	2.961	11.2	20.1

357873 2005 UC_{369} 7 18.5 177°.65 4°.0/16.1 18

6 10	20 18.13	−30 24.9	2.366	3.197	12.2	20.9
6 20	20 13.87	−31 21.9	2.287	3.197	9.6	20.8
6 30	20 7.49	−32 19.2	2.232	3.197	6.9	20.6
7 10	19 59.52	−33 11.8	2.202	3.197	4.5	20.4
7 20	19 50.70	−33 55.3	2.200	3.197	4.2	20.4
7 30	19 41.94	−34 26.2	2.225	3.197	6.3	20.5
8 9	19 34.18	−34 43.2	2.276	3.197	9.0	20.7
8 19	19 28.16	−34 46.9	2.351	3.197	11.6	20.9

108186 2001 HX_{15} 7 18.5 338°.23 9°.3/14.8 18

6 10	20 13.80	−36 41.8	1.254	2.127	18.2	17.4
6 20	20 12.75	−37 52.3	1.174	2.103	15.1	17.1
6 30	20 8.03	−38 59.6	1.113	2.079	11.9	16.8
7 10	20 0.22	−39 53.6	1.072	2.057	9.7	16.6
7 20	19 50.53	−40 24.1	1.052	2.037	9.7	16.6
7 30	19 40.81	−40 24.5	1.052	2.018	12.3	16.7
8 9	19 33.00	−39 54.0	1.073	2.002	16.0	16.8
8 19	19 28.50	−38 57.2	1.111	1.987	19.7	17.0

444051 2004 RP_{46} 7 18.5 294°.09 6°.2/15.8 18

6 10	20 22.64	−38 21.9	2.245	3.067	13.0	20.9
6 20	20 17.67	−38 58.0	2.162	3.058	10.7	20.7
6 30	20 10.19	−39 28.0	2.101	3.049	8.3	20.5
7 10	20 0.82	−39 46.3	2.064	3.040	6.5	20.4
7 20	19 50.48	−39 48.6	2.053	3.031	6.3	20.4
7 30	19 40.32	−39 32.5	2.068	3.022	8.0	20.4
8 9	19 31.46	−38 58.7	2.109	3.013	10.4	20.6
8 19	19 24.75	−38 10.1	2.172	3.004	12.9	20.7

386093 2007 PG_{13} 7 18.5 352°.63 4°.6/21.9 16

6 10	20 4.80	− 2 26.1	1.069	1.917	22.5	18.8
6 20	20 5.16	− 3 47.2	0.991	1.903	18.8	18.5
6 30	20 2.58	− 5 51.7	0.928	1.891	14.1	18.2
7 10	19 57.57	− 8 39.4	0.885	1.882	8.9	17.9
7 20	19 51.03	−12 1.8	0.864	1.875	4.8	17.7
7 30	19 44.36	−15 42.2	0.868	1.871	7.0	17.8
8 9	19 39.14	−19 19.7	0.894	1.869	12.4	18.1
8 19	19 36.61	−22 36.7	0.943	1.869	17.6	18.4

384057 2008 UA_{276} 7 18.5 135°.28 2°.1/19.4 17

6 10	20 18.40	−14 48.4	1.900	2.720	15.1	21.3
6 20	20 14.22	−14 44.1	1.820	2.723	12.0	21.1
6 30	20 7.78	−14 49.2	1.761	2.726	8.4	20.9
7 10	19 59.67	−15 2.5	1.726	2.728	4.5	20.7
7 20	19 50.69	−15 21.9	1.717	2.730	2.1	20.5
7 30	19 41.84	−15 44.9	1.735	2.732	5.0	20.7
8 9	19 34.12	−16 8.8	1.780	2.735	8.8	20.9
8 19	19 28.28	−16 31.6	1.848	2.737	12.4	21.2

26755 2001 KT_6 7 18.5 216°.25 5°.3/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 18.32	−35 11.4	2.561	3.386	11.5	18.9
6 20	20 14.02	−36 24.7	2.485	3.386	9.3	18.7
6 30	20 7.62	−37 35.9	2.432	3.385	7.1	18.6
7 10	19 59.60	−38 39.6	2.405	3.384	5.5	18.5
7 20	19 50.70	−39 30.9	2.406	3.383	5.6	18.5
7 30	19 41.81	−40 6.3	2.434	3.383	7.2	18.6
8 9	19 33.88	−40 24.9	2.487	3.382	9.4	18.7
8 19	19 27.67	−40 27.7	2.563	3.381	11.6	18.9

158411 2002 AJ_{51} 7 18.5 119°.61 0°.4/18.7 18

6 10	20 20.08	−18 58.2	1.818	2.648	15.3	20.3
6 20	20 15.65	−19 2.8	1.742	2.653	12.0	20.1
6 30	20 8.80	−19 14.2	1.687	2.658	8.2	19.8
7 10	20 0.16	−19 30.1	1.657	2.663	3.9	19.6
7 20	19 50.62	−19 47.7	1.652	2.668	0.7	19.3
7 30	19 41.27	−20 4.0	1.675	2.673	5.0	19.7
8 9	19 33.18	−20 17.2	1.723	2.677	9.2	19.9
8 19	19 27.15	−20 26.1	1.795	2.682	12.8	20.2

91168 1998 QA_{86} 7 18.5 354°.49 2°.6/19.3 18

6 10	20 18.53	−15 45.0	2.066	2.883	14.2	18.9
6 20	20 14.11	−15 0.7	1.981	2.881	11.3	18.7
6 30	20 7.59	−14 21.6	1.917	2.879	8.0	18.5
7 10	19 59.55	−13 48.2	1.879	2.878	4.6	18.3
7 20	19 50.74	−13 20.2	1.867	2.877	2.7	18.1
7 30	19 42.08	−12 57.7	1.883	2.877	5.1	18.3
8 9	19 34.48	−12 39.8	1.925	2.877	8.5	18.5
8 19	19 28.63	−12 26.0	1.991	2.877	11.8	18.7

54175 2000 HB_{60} 7 18.5 261°.77 1°.1/18.0 18

6 10	20 20.58	−21 53.9	1.794	2.629	15.3	20.2
6 20	20 16.45	−22 16.7	1.698	2.613	12.1	20.0
6 30	20 9.65	−22 46.1	1.623	2.596	8.2	19.7
7 10	20 0.72	−23 18.3	1.572	2.579	3.9	19.4
7 20	19 50.51	−23 49.2	1.546	2.561	1.4	19.2
7 30	19 40.21	−24 14.8	1.548	2.544	5.8	19.4
8 9	19 31.06	−24 32.4	1.575	2.526	10.2	19.7
8 19	19 24.07	−24 41.4	1.626	2.507	14.1	19.9

244290 2002 EZ_{119} 7 18.5 194°.45 2°.7/17.1 18

6 10	20 19.51	−28 58.5	2.637	3.460	11.3	21.3
6 20	20 14.60	−29 21.6	2.552	3.458	8.9	21.1
6 30	20 7.81	−29 44.2	2.490	3.456	6.2	21.0
7 10	19 59.63	−30 3.0	2.454	3.454	3.6	20.8
7 20	19 50.74	−30 15.1	2.446	3.452	2.9	20.7
7 30	19 41.97	−30 18.4	2.466	3.449	5.0	20.9
8 9	19 34.12	−30 12.4	2.514	3.446	7.8	21.0
8 19	19 27.84	−29 57.8	2.587	3.443	10.4	21.2

480741 2016 NO_{10} 7 18.5 22°.94 9°.1/21.8 17

6 10	20 17.32	− 1 13.9	1.647	2.432	18.5	20.4
6 20	20 13.64	− 0 1.9	1.573	2.433	15.9	20.2
6 30	20 7.54	+ 0 52.4	1.517	2.436	13.0	20.0
7 10	19 59.63	+ 1 25.1	1.482	2.438	10.4	19.9
7 20	19 50.75	+ 1 33.8	1.470	2.440	9.1	19.8
7 30	19 41.98	+ 1 19.1	1.481	2.443	9.8	19.8
8 9	19 34.42	+ 0 44.4	1.516	2.446	12.0	20.0
8 19	19 28.89	− 0 5.0	1.572	2.449	14.8	20.2

435813 2008 WG_{10} 7 18.5 315°.99 2°.0/19.2 18

6 10	20 15.85	−15 38.7	1.553	2.394	17.0	20.7
6 20	20 12.97	−15 33.7	1.463	2.378	13.6	20.4
6 30	20 7.40	−15 39.6	1.393	2.363	9.5	20.1
7 10	19 59.69	−15 55.2	1.344	2.349	5.1	19.8
7 20	19 50.72	−16 18.2	1.320	2.335	2.0	19.6
7 30	19 41.70	−16 45.5	1.321	2.321	5.8	19.8
8 9	19 33.90	−17 13.5	1.347	2.308	10.5	20.0
8 19	19 28.34	−17 39.5	1.394	2.295	14.8	20.3

157684 2005 YD_{181} 7 18.5 286°.24 9°.1/13.4 18

6 10	20 23.24	−38 52.8	1.710	2.548	15.8	19.8
6 20	20 19.47	−40 29.8	1.626	2.529	13.2	19.5
6 30	20 12.27	−42 4.4	1.563	2.510	10.8	19.3
7 10	20 2.18	−43 26.4	1.523	2.490	9.2	19.2
7 20	19 50.27	−44 26.3	1.507	2.471	9.6	19.2
7 30	19 38.16	−44 57.3	1.515	2.451	11.7	19.3
8 9	19 27.61	−44 58.4	1.545	2.432	14.5	19.4
8 19	19 20.00	−44 33.2	1.594	2.413	17.4	19.5

237134 2008 US_{27} 7 18.5 3°.64 1°.7/17.8 18

6 10	20 18.38	−23 5.2	1.668	2.513	15.8	20.8
6 20	20 14.72	−23 35.2	1.592	2.513	12.4	20.5
6 30	20 8.41	−24 10.8	1.537	2.513	8.3	20.3
7 10	20 0.09	−24 47.9	1.506	2.513	4.0	20.1
7 20	19 50.70	−25 21.6	1.500	2.514	2.0	19.9
7 30	19 41.45	−25 47.9	1.520	2.515	6.0	20.2
8 9	19 33.55	−26 4.5	1.565	2.516	10.2	20.4
8 19	19 27.90	−26 11.2	1.632	2.517	13.9	20.7

205209 2000 GA_{61} 7 18.5 348°.36 4°.0/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 19.02	−29 8.0	1.837	2.680	14.6	20.5
6 20	20 15.13	−29 51.3	1.761	2.678	11.5	20.3
6 30	20 8.64	−30 35.6	1.706	2.677	8.1	20.1
7 10	20 0.19	−31 15.3	1.675	2.675	4.9	19.9
7 20	19 50.69	−31 45.3	1.670	2.674	4.2	19.8
7 30	19 41.32	−32 1.9	1.691	2.673	6.9	20.0
8 9	19 33.28	−32 3.9	1.737	2.672	10.4	20.2
8 19	19 27.44	−31 52.6	1.805	2.672	13.7	20.4

434282 2003 YJ_{8} 7 18.5 285°.83 8°.1/12.7 18

6 10	20 23.14	−30 44.8	1.543	2.390	16.7	20.7
6 20	20 19.90	−33 13.0	1.445	2.362	13.6	20.4
6 30	20 13.05	−35 54.3	1.369	2.332	10.4	20.2
7 10	20 2.85	−38 37.0	1.318	2.303	8.3	20.0
7 20	19 50.11	−41 6.0	1.293	2.273	9.0	19.9
7 30	19 36.42	−43 7.9	1.294	2.243	12.2	20.0
8 9	19 23.83	−44 35.2	1.318	2.212	16.1	20.2
8 19	19 14.17	−45 27.8	1.361	2.181	19.8	20.4

470829 2008 WY_{74} 7 18.5 42°.08 3°.0/17.2 17

6 10	20 19.18	−25 36.4	1.672	2.519	15.7	20.9
6 20	20 15.36	−26 21.1	1.603	2.523	12.3	20.7
6 30	20 8.84	−27 9.8	1.554	2.528	8.4	20.5
7 10	20 0.28	−27 57.1	1.528	2.533	4.5	20.2
7 20	19 50.67	−28 37.4	1.528	2.538	3.2	20.2
7 30	19 41.26	−29 6.4	1.555	2.544	6.6	20.4
8 9	19 33.27	−29 22.1	1.605	2.550	10.5	20.6
8 19	19 27.58	−29 25.1	1.679	2.555	14.0	20.9

273849 2007 GZ_{44} 7 18.5 76°.22 3°.3/19.9 17

6 10	20 17.96	−11 41.7	1.714	2.534	16.5	21.3
6 20	20 14.07	−11 34.5	1.641	2.540	13.3	21.1
6 30	20 7.79	−11 40.2	1.587	2.547	9.6	20.9
7 10	19 59.74	−11 58.2	1.556	2.553	5.7	20.6
7 20	19 50.77	−12 26.4	1.550	2.559	3.3	20.5
7 30	19 41.98	−13 1.6	1.570	2.566	5.7	20.7
8 9	19 34.41	−13 40.3	1.616	2.572	9.5	20.9
8 19	19 28.86	−14 19.0	1.685	2.579	13.1	21.2

506665 2006 SO_{265} 7 18.5 257°.52 1°.6/19.1 17

6 10	20 21.01	−16 48.0	1.747	2.573	16.0	22.6
6 20	20 16.76	−16 40.1	1.650	2.557	12.8	22.4
6 30	20 9.85	−16 40.5	1.573	2.541	8.9	22.1
7 10	20 0.84	−16 47.9	1.520	2.524	4.6	21.8
7 20	19 50.56	−17 0.1	1.492	2.507	1.7	21.6
7 30	19 40.19	−17 14.4	1.491	2.489	5.6	21.8
8 9	19 30.97	−17 28.7	1.516	2.471	10.1	22.0
8 19	19 23.89	−17 41.1	1.564	2.453	14.2	22.2

160634 1999 VG_{58} 7 18.5 267°.05 6°.4/14.9 18

6 10	20 21.57	−34 34.0	1.925	2.761	14.4	19.9
6 20	20 17.39	−35 48.8	1.842	2.750	11.6	19.7
6 30	20 10.38	−37 2.7	1.781	2.739	8.8	19.5
7 10	20 1.11	−38 8.1	1.744	2.728	6.8	19.4
7 20	19 50.52	−38 58.0	1.733	2.717	6.8	19.4
7 30	19 39.90	−39 27.4	1.748	2.706	8.9	19.5
8 9	19 30.58	−39 35.1	1.787	2.694	11.8	19.6
8 19	19 23.63	−39 23.2	1.848	2.683	14.7	19.8

96191 1991 TK_{9} 7 18.5 117°.64 2°.3/19.5 18

6 10	20 18.18	−14 22.0	1.818	2.640	15.6	19.7
6 20	20 14.19	−14 17.0	1.737	2.641	12.4	19.5
6 30	20 7.86	−14 22.2	1.678	2.642	8.8	19.2
7 10	19 59.79	−14 36.5	1.642	2.643	4.8	19.0
7 20	19 50.78	−14 57.8	1.631	2.644	2.3	18.8
7 30	19 41.90	−15 23.3	1.648	2.645	5.2	19.0
8 9	19 34.16	−15 50.2	1.690	2.646	9.1	19.3
8 19	19 28.39	−16 16.0	1.755	2.647	12.8	19.5

158028 2000 SS_{9} 7 18.5 182°.73 12°.6/27.2 18

6 10	20 17.27	+17 16.8	2.298	2.936	17.5	20.4
6 20	20 13.06	+18 22.1	2.218	2.936	16.2	20.2
6 30	20 6.91	+19 4.1	2.154	2.937	14.8	20.1
7 10	19 59.29	+19 18.4	2.108	2.936	13.6	20.0
7 20	19 50.87	+19 2.1	2.081	2.935	12.8	20.0
7 30	19 42.47	+18 15.0	2.076	2.934	12.6	20.0
8 9	19 34.94	+17 0.4	2.093	2.933	13.2	20.0
8 19	19 28.96	+15 24.1	2.131	2.930	14.3	20.1

160611 1999 TP_{47} 7 18.5 159°.13 4°.0/20.3 17

6 10	20 19.58	− 9 56.9	1.685	2.497	17.1	21.2
6 20	20 15.44	− 9 50.5	1.607	2.500	13.9	21.0
6 30	20 8.80	− 9 59.0	1.548	2.503	10.1	20.8
7 10	20 0.26	−10 21.8	1.512	2.506	6.3	20.6
7 20	19 50.71	−10 57.2	1.501	2.508	4.0	20.4
7 30	19 41.27	−11 41.6	1.516	2.510	6.1	20.6
8 9	19 33.07	−12 30.7	1.557	2.512	9.9	20.8
8 19	19 26.96	−13 20.4	1.621	2.513	13.6	21.0

237591 2001 FN_{131} 7 18.5 103°.79 0°.3/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 22.09	−20 8.0	2.082	2.901	14.0	20.8
6 20	20 16.75	−20 3.5	2.014	2.919	10.9	20.6
6 30	20 9.29	−20 3.3	1.968	2.936	7.4	20.4
7 10	20 0.34	−20 5.6	1.947	2.953	3.5	20.2
7 20	19 50.73	−20 8.1	1.954	2.970	0.6	20.0
7 30	19 41.42	−20 9.1	1.990	2.987	4.5	20.4
8 9	19 33.32	−20 7.6	2.052	3.003	8.1	20.6
8 19	19 27.10	−20 3.4	2.139	3.018	11.3	20.8

173409 2000 EV_{21} 7 18.5 308°.60 15°.7/16.6 18

6 10	20 40.10	−49 37.1	1.069	1.904	23.4	19.0
6 20	20 35.23	−50 40.5	1.008	1.895	20.7	18.8
6 30	20 24.13	−51 23.5	0.961	1.886	18.0	18.6
7 10	20 7.96	−51 28.4	0.931	1.877	16.1	18.5
7 20	19 49.38	−50 41.5	0.919	1.869	15.8	18.4
7 30	19 32.00	−48 59.3	0.927	1.862	17.4	18.5
8 9	19 18.87	−46 32.1	0.954	1.854	20.2	18.6
8 19	19 11.37	−43 37.0	0.998	1.847	23.4	18.8

36644 2000 QR_{189} 7 18.5 306°.42 1°.2/17.9 18

6 10	20 16.43	−19 12.3	1.274	2.134	18.8	18.5
6 20	20 14.24	−20 2.5	1.188	2.118	14.9	18.2
6 30	20 8.79	−21 8.3	1.121	2.101	10.2	17.9
7 10	20 0.59	−22 24.8	1.076	2.085	4.8	17.6
7 20	19 50.64	−23 44.6	1.053	2.069	1.7	17.3
7 30	19 40.47	−24 59.1	1.055	2.053	7.2	17.6
8 9	19 31.78	−26 1.6	1.079	2.038	12.8	17.9
8 19	19 25.91	−26 48.6	1.123	2.024	17.7	18.1

161707 2006 KY_{2} 7 18.5 355°.01 0°.1/18.5 18

6 10	20 17.01	−19 3.0	1.743	2.582	15.5	19.7
6 20	20 13.49	−19 25.1	1.664	2.581	12.2	19.5
6 30	20 7.52	−19 55.7	1.606	2.580	8.3	19.3
7 10	19 59.68	−20 31.9	1.572	2.579	3.9	19.0
7 20	19 50.84	−21 9.6	1.563	2.579	0.7	18.7
7 30	19 42.09	−21 44.9	1.580	2.578	5.2	19.1
8 9	19 34.56	−22 14.8	1.623	2.578	9.5	19.3
8 19	19 29.08	−22 37.7	1.689	2.579	13.2	19.6

380106 2013 TB_{25} 7 18.5 350°.65 7°.2/16.2 17

6 10	20 16.65	−32 29.4	1.136	2.013	19.4	19.9
6 20	20 14.92	−33 25.3	1.071	2.005	15.7	19.6
6 30	20 9.39	−34 19.9	1.024	1.999	11.5	19.4
7 10	20 0.84	−35 4.0	0.996	1.993	8.0	19.2
7 20	19 50.62	−35 28.7	0.990	1.989	7.5	19.1
7 30	19 40.67	−35 28.2	1.006	1.987	10.6	19.3
8 9	19 32.83	−35 2.9	1.041	1.985	14.8	19.5
8 19	19 28.36	−34 17.1	1.096	1.985	18.8	19.7

340475 2006 HY_{47} 7 18.5 164°.04 2°.0/19.5 18

6 10	20 18.15	−13 34.1	2.115	2.926	14.1	22.0
6 20	20 13.84	−13 44.4	2.032	2.929	11.2	21.8
6 30	20 7.47	−14 5.0	1.971	2.932	7.9	21.6
7 10	19 59.57	−14 34.3	1.934	2.934	4.3	21.4
7 20	19 50.87	−15 9.9	1.924	2.937	2.0	21.2
7 30	19 42.25	−15 48.9	1.942	2.938	4.6	21.4
8 9	19 34.61	−16 28.0	1.987	2.940	8.2	21.6
8 19	19 28.66	−17 4.9	2.056	2.941	11.5	21.8

488431 2016 XW_{21} 7 18.5 273°.80 3°.6/15.8 18

6 10	20 17.36	−28 4.0	2.493	3.322	11.7	20.7
6 20	20 13.36	−29 19.1	2.397	3.307	9.2	20.5
6 30	20 7.29	−30 37.9	2.324	3.291	6.5	20.3
7 10	19 59.57	−31 55.5	2.279	3.276	4.1	20.1
7 20	19 50.85	−33 6.5	2.261	3.260	3.9	20.1
7 30	19 41.98	−34 6.4	2.272	3.244	6.1	20.2
8 9	19 33.89	−34 52.3	2.309	3.229	9.0	20.4
8 19	19 27.38	−35 23.8	2.370	3.213	11.7	20.5

341077 2007 HA_{75} 7 18.5 310°.21 6°.4/15.4 17

6 10	20 19.65	−32 2.6	1.603	2.454	16.0	20.2
6 20	20 16.34	−33 19.4	1.524	2.444	12.9	20.0
6 30	20 9.93	−34 37.7	1.466	2.433	9.5	19.8
7 10	20 1.00	−35 49.2	1.431	2.423	6.9	19.6
7 20	19 50.59	−36 45.7	1.421	2.413	6.7	19.6
7 30	19 40.17	−37 21.1	1.435	2.404	9.4	19.7
8 9	19 31.24	−37 33.4	1.472	2.395	12.9	19.9
8 19	19 24.98	−37 24.8	1.530	2.386	16.3	20.1

431130 2006 KD_{44} 7 18.5 72°.01 4°.5/20.9 17

6 10	20 17.49	− 7 11.3	1.795	2.597	16.6	21.1
6 20	20 13.47	− 7 13.6	1.731	2.616	13.5	21.0
6 30	20 7.24	− 7 32.2	1.687	2.634	10.0	20.8
7 10	19 59.45	− 8 6.6	1.665	2.653	6.6	20.6
7 20	19 50.90	− 8 54.4	1.669	2.672	4.5	20.5
7 30	19 42.60	− 9 51.7	1.700	2.690	5.9	20.7
8 9	19 35.48	−10 53.7	1.756	2.709	9.1	20.9
8 19	19 30.26	−11 56.0	1.836	2.727	12.3	21.1

167309 2003 UQ_{237} 7 18.5 342°.39 2°.8/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 13.35	−15 51.3	1.338	2.194	18.3	19.4
6 20	20 11.35	−15 24.3	1.257	2.180	14.7	19.1
6 30	20 6.48	−15 7.2	1.194	2.168	10.4	18.8
7 10	19 59.33	−15 0.0	1.152	2.156	5.7	18.5
7 20	19 50.90	−15 1.5	1.133	2.146	2.8	18.3
7 30	19 42.50	−15 9.4	1.137	2.137	6.4	18.5
8 9	19 35.51	−15 21.1	1.164	2.129	11.3	18.8
8 19	19 30.98	−15 34.0	1.211	2.123	15.7	19.0

245512 2005 SQ_{54} 7 18.5 13°.64 0°.8/18.2 18

6 10	20 15.92	−21 38.9	1.737	2.583	15.3	19.9
6 20	20 12.60	−21 55.3	1.665	2.586	11.9	19.7
6 30	20 6.87	−22 17.4	1.614	2.590	8.0	19.5
7 10	19 59.35	−22 42.0	1.586	2.594	3.8	19.2
7 20	19 50.92	−23 5.5	1.584	2.599	1.2	19.0
7 30	19 42.69	−23 24.6	1.608	2.605	5.3	19.3
8 9	19 35.71	−23 37.3	1.657	2.612	9.4	19.6
8 19	19 30.79	−23 43.0	1.728	2.619	13.0	19.8

270297 2001 VE_{120} 7 18.5 290°.49 1°.3/18.1 18

6 10	20 19.73	−22 48.0	1.633	2.477	16.1	20.8
6 20	20 15.98	−23 2.7	1.546	2.466	12.7	20.6
6 30	20 9.43	−23 22.7	1.480	2.455	8.7	20.3
7 10	20 0.68	−23 44.4	1.436	2.444	4.1	20.0
7 20	19 50.68	−24 3.6	1.418	2.433	1.6	19.8
7 30	19 40.71	−24 16.8	1.426	2.422	6.0	20.1
8 9	19 32.07	−24 21.9	1.459	2.412	10.6	20.3
8 19	19 25.78	−24 18.9	1.513	2.401	14.6	20.5

375796 2009 SY_{358} 7 18.5 189°.67 0°.6/18.8 17

6 10	20 20.65	−17 50.1	1.984	2.805	14.6	22.2
6 20	20 16.01	−18 4.9	1.899	2.804	11.5	22.0
6 30	20 9.08	−18 27.6	1.835	2.803	7.8	21.8
7 10	20 0.39	−18 55.8	1.796	2.801	3.8	21.6
7 20	19 50.76	−19 26.5	1.783	2.799	0.8	21.3
7 30	19 41.19	−19 56.3	1.799	2.797	4.8	21.6
8 9	19 32.72	−20 22.7	1.841	2.793	8.8	21.9
8 19	19 26.16	−20 44.2	1.908	2.790	12.4	22.1

18436 1994 GY_{10} 7 18.5 55°.10 5°.5/16.2 18

6 10	20 21.57	−30 45.9	1.554	2.404	16.5	17.6
6 20	20 17.48	−31 51.5	1.498	2.418	13.1	17.5
6 30	20 10.38	−32 56.8	1.463	2.432	9.3	17.3
7 10	20 1.06	−33 54.0	1.451	2.447	6.2	17.1
7 20	19 50.66	−34 36.2	1.464	2.462	5.7	17.1
7 30	19 40.63	−34 59.2	1.501	2.477	8.4	17.3
8 9	19 32.32	−35 2.5	1.563	2.492	11.8	17.6
8 19	19 26.66	−34 48.9	1.646	2.508	15.0	17.8

198432 2004 VL_{95} 7 18.5 310°.51 0°.6/18.8 18

6 10	20 17.20	−17 54.4	1.669	2.508	16.1	20.0
6 20	20 13.82	−18 5.6	1.584	2.499	12.7	19.7
6 30	20 7.88	−18 26.1	1.518	2.491	8.7	19.5
7 10	19 59.93	−18 53.7	1.476	2.483	4.3	19.2
7 20	19 50.84	−19 24.8	1.459	2.475	0.9	18.9
7 30	19 41.77	−19 55.9	1.468	2.467	5.4	19.2
8 9	19 33.92	−20 23.6	1.502	2.460	9.9	19.5
8 19	19 28.21	−20 46.0	1.558	2.453	13.9	19.7

253785 2003 WQ_{161} 7 18.5 161°.53 0°.7/18.2 17

6 10	20 22.86	−20 42.8	1.890	2.715	15.0	21.8
6 20	20 17.83	−21 8.1	1.812	2.721	11.7	21.6
6 30	20 10.33	−21 39.8	1.756	2.726	7.9	21.4
7 10	20 0.98	−22 14.3	1.724	2.731	3.7	21.1
7 20	19 50.67	−22 47.8	1.719	2.735	1.0	20.9
7 30	19 40.50	−23 16.4	1.743	2.738	5.2	21.2
8 9	19 31.59	−23 38.0	1.792	2.741	9.2	21.5
8 19	19 24.77	−23 52.0	1.866	2.743	12.8	21.7

437367 2013 VU_{2} 7 18.5 180°.94 3°.8/16.8 18

6 10	20 24.82	−30 59.7	2.224	3.046	13.1	21.5
6 20	20 19.17	−31 32.5	2.143	3.047	10.4	21.3
6 30	20 11.14	−32 3.9	2.085	3.048	7.4	21.2
7 10	20 1.33	−32 29.0	2.052	3.048	4.7	21.0
7 20	19 50.61	−32 43.6	2.046	3.047	4.0	20.9
7 30	19 40.06	−32 45.2	2.069	3.046	6.3	21.1
8 9	19 30.74	−32 33.5	2.119	3.044	9.3	21.3
8 19	19 23.44	−32 10.4	2.192	3.042	12.2	21.5

361478 2007 DF_{70} 7 18.5 30°.36 3°.8/20.9 18

6 10	20 13.96	− 7 38.5	2.284	3.078	13.7	21.4
6 20	20 10.42	− 7 40.6	2.200	3.080	11.2	21.2
6 30	20 5.09	− 7 55.7	2.136	3.082	8.4	21.1
7 10	19 58.45	− 8 23.6	2.097	3.084	5.5	20.9
7 20	19 51.11	− 9 2.5	2.084	3.086	3.8	20.8
7 30	19 43.84	− 9 50.1	2.099	3.089	5.1	20.9
8 9	19 37.40	−10 42.7	2.140	3.091	7.8	21.1
8 19	19 32.40	−11 37.1	2.206	3.094	10.7	21.2

45140 1999 XW_{98} 7 18.5 151°.04 3°.6/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 19.98	−11 35.5	2.174	2.973	14.2	19.2
6 20	20 15.11	−11 2.0	2.092	2.978	11.4	19.0
6 30	20 8.24	−10 37.3	2.032	2.983	8.3	18.8
7 10	19 59.93	−10 21.5	1.996	2.987	5.3	18.6
7 20	19 50.88	−10 14.4	1.987	2.992	3.6	18.5
7 30	19 41.98	−10 15.0	2.006	2.995	5.3	18.6
8 9	19 34.07	−10 21.6	2.052	2.999	8.4	18.8
8 19	19 27.84	−10 32.3	2.122	3.002	11.4	19.0

62839 2000 UX_{60} 7 18.5 16°.35 5°.2/16.3 18

6 10	20 20.43	−33 42.1	2.002	2.838	13.9	19.0
6 20	20 16.08	−34 22.9	1.930	2.840	11.1	18.8
6 30	20 9.20	−35 0.6	1.880	2.842	8.2	18.6
7 10	20 0.46	−35 29.6	1.853	2.844	5.7	18.5
7 20	19 50.78	−35 45.3	1.853	2.846	5.4	18.4
7 30	19 41.33	−35 45.0	1.878	2.848	7.4	18.6
8 9	19 33.22	−35 28.7	1.929	2.851	10.3	18.8
8 19	19 27.26	−34 58.7	2.002	2.854	13.1	19.0

79800 1998 VP_{11} 7 18.5 250°.02 3°.1/17.1 18

6 10	20 21.02	−25 32.1	1.727	2.568	15.5	19.3
6 20	20 16.98	−26 22.1	1.640	2.558	12.2	19.0
6 30	20 10.13	−27 17.5	1.575	2.549	8.4	18.8
7 10	20 1.05	−28 12.6	1.534	2.539	4.6	18.5
7 20	19 50.66	−29 1.4	1.519	2.528	3.4	18.5
7 30	19 40.24	−29 38.6	1.530	2.518	6.8	18.6
8 9	19 31.11	−30 1.5	1.566	2.507	10.9	18.9
8 19	19 24.31	−30 10.3	1.624	2.496	14.7	19.1

502889 2015 DU_{220} 7 18.5 144°.44 5°.1/16.8 18

6 10	20 27.01	−34 2.7	1.944	2.770	14.6	20.8
6 20	20 21.18	−34 31.7	1.872	2.776	11.7	20.6
6 30	20 12.61	−34 56.3	1.823	2.782	8.5	20.4
7 10	20 2.04	−35 10.8	1.797	2.788	5.8	20.3
7 20	19 50.53	−35 10.5	1.799	2.794	5.3	20.2
7 30	19 39.38	−34 53.5	1.827	2.799	7.4	20.4
8 9	19 29.79	−34 20.9	1.881	2.804	10.5	20.6
8 19	19 22.62	−33 35.8	1.958	2.808	13.4	20.8

153239 2001 AK_{37} 7 18.5 202°.69 4°.7/15.9 18

6 10	20 22.55	−37 17.3	2.929	3.738	10.6	20.7
6 20	20 16.96	−37 49.9	2.844	3.734	8.6	20.5
6 30	20 9.43	−38 17.8	2.783	3.730	6.6	20.4
7 10	20 0.47	−38 37.0	2.748	3.725	5.0	20.3
7 20	19 50.80	−38 44.1	2.740	3.719	4.9	20.3
7 30	19 41.26	−38 37.4	2.761	3.714	6.3	20.3
8 9	19 32.69	−38 17.1	2.808	3.707	8.3	20.5
8 19	19 25.75	−37 44.9	2.880	3.701	10.4	20.6

342841 2008 YG 7 18.5 279°.06 2°.3/19.6 18

6 10	20 18.44	−13 18.5	2.026	2.838	14.6	21.5
6 20	20 14.54	−13 24.4	1.911	2.808	11.8	21.3
6 30	20 8.32	−13 41.5	1.817	2.778	8.5	21.0
7 10	20 0.19	−14 9.2	1.747	2.747	4.7	20.7
7 20	19 50.82	−14 45.3	1.703	2.716	2.3	20.5
7 30	19 41.18	−15 27.0	1.687	2.684	5.2	20.6
8 9	19 32.33	−16 10.7	1.698	2.652	9.3	20.8
8 19	19 25.22	−16 53.3	1.733	2.619	13.2	21.0

193731 2001 FY_{162} 7 18.5 239°.50 4°.1/20.7 18 R

6 10	20 17.58	− 7 22.3	2.316	3.100	13.8	20.8
6 20	20 13.36	− 7 17.9	2.211	3.085	11.4	20.6
6 30	20 7.20	− 7 26.2	2.128	3.070	8.6	20.4
7 10	19 59.53	− 7 47.5	2.069	3.054	5.8	20.2
7 20	19 50.97	− 8 20.9	2.037	3.038	4.1	20.0
7 30	19 42.32	− 9 4.1	2.033	3.021	5.4	20.1
8 9	19 34.42	− 9 53.9	2.056	3.003	8.4	20.2
8 19	19 28.01	−10 46.9	2.104	2.985	11.4	20.4

424546 2008 EP_{150} 7 18.5 179°.19 2°.2/17.6 17

6 10	20 22.25	−24 12.9	1.743	2.580	15.6	22.0
6 20	20 17.71	−24 49.6	1.665	2.581	12.2	21.8
6 30	20 10.47	−25 31.2	1.608	2.581	8.3	21.6
7 10	20 1.14	−26 12.8	1.576	2.582	4.2	21.3
7 20	19 50.70	−26 49.3	1.569	2.582	2.5	21.2
7 30	19 40.38	−27 16.4	1.590	2.581	6.2	21.4
8 9	19 31.42	−27 32.1	1.635	2.580	10.2	21.7
8 19	19 24.77	−27 36.7	1.704	2.579	13.9	21.9

348439 2005 QL_{74} 7 18.5 276°.58 1°.2/18.1 17

6 10	20 20.27	−22 4.0	1.719	2.558	15.7	21.6
6 20	20 16.43	−22 25.6	1.621	2.538	12.4	21.3
6 30	20 9.82	−22 53.9	1.544	2.517	8.5	21.0
7 10	20 0.95	−23 25.3	1.489	2.497	4.1	20.7
7 20	19 50.71	−23 55.4	1.461	2.476	1.5	20.5
7 30	19 40.32	−24 19.9	1.459	2.455	6.0	20.7
8 9	19 31.10	−24 36.2	1.482	2.434	10.6	21.0
8 19	19 24.12	−24 43.6	1.528	2.412	14.7	21.2

401319 2013 AP_{15} 7 18.5 64°.86 2°.9/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 24.32	−15 39.2	2.108	2.912	14.4	19.9
6 20	20 18.28	−14 38.5	2.041	2.933	11.4	19.7
6 30	20 10.22	−13 43.0	1.997	2.954	8.1	19.5
7 10	20 0.79	−12 53.3	1.979	2.976	4.7	19.4
7 20	19 50.81	−12 9.8	1.989	2.997	2.9	19.3
7 30	19 41.21	−11 33.0	2.027	3.019	5.1	19.5
8 9	19 32.85	−11 2.8	2.094	3.040	8.3	19.7
8 19	19 26.35	−10 38.6	2.185	3.061	11.2	19.9

24284 1999 XJ_{183} 7 18.5 79°.35 1°.5/17.9 18

6 10	20 23.83	−24 51.1	1.904	2.733	14.8	18.0
6 20	20 18.30	−24 58.1	1.847	2.758	11.5	17.8
6 30	20 10.42	−25 6.7	1.811	2.782	7.7	17.7
7 10	20 0.93	−25 13.4	1.799	2.805	3.7	17.5
7 20	19 50.78	−25 15.5	1.815	2.829	1.8	17.4
7 30	19 41.08	−25 10.9	1.859	2.852	5.2	17.7
8 9	19 32.80	−24 59.6	1.929	2.875	8.8	17.9
8 19	19 26.65	−24 42.4	2.023	2.898	12.0	18.2

104640 2000 GB_{119} 7 18.5 340°.28 2°.1/17.7 18

6 10	20 18.86	−25 14.3	1.817	2.658	14.9	19.5
6 20	20 14.95	−25 35.2	1.737	2.655	11.6	19.3
6 30	20 8.53	−25 59.1	1.679	2.653	7.9	19.1
7 10	20 0.21	−26 21.8	1.644	2.650	4.0	18.9
7 20	19 50.88	−26 39.5	1.635	2.648	2.4	18.7
7 30	19 41.70	−26 49.0	1.653	2.646	5.8	19.0
8 9	19 33.78	−26 49.0	1.696	2.644	9.7	19.2
8 19	19 27.98	−26 40.0	1.762	2.643	13.3	19.4

499763 2011 CJ_{2} 7 18.5 167°.12 1°.4/19.3 17

6 10	20 20.10	−13 59.1	1.936	2.749	15.1	22.0
6 20	20 15.63	−14 31.1	1.854	2.753	12.0	21.8
6 30	20 8.86	−15 15.5	1.793	2.757	8.3	21.5
7 10	20 0.34	−16 9.6	1.756	2.760	4.3	21.3
7 20	19 50.87	−17 9.5	1.747	2.762	1.4	21.1
7 30	19 41.45	−18 10.8	1.766	2.764	4.9	21.4
8 9	19 33.12	−19 9.1	1.812	2.765	8.8	21.6
8 19	19 26.68	−20 1.5	1.882	2.766	12.4	21.8

127358 2002 JF_{129} 7 18.5 105°.15 1°.2/18.0 17

6 10	20 19.92	−22 11.2	1.872	2.706	14.8	20.8
6 20	20 15.57	−22 36.8	1.798	2.712	11.5	20.6
6 30	20 8.83	−23 7.7	1.746	2.719	7.8	20.4
7 10	20 0.31	−23 40.2	1.719	2.726	3.7	20.2
7 20	19 50.88	−24 10.2	1.718	2.732	1.4	20.1
7 30	19 41.65	−24 34.5	1.744	2.739	5.3	20.3
8 9	19 33.66	−24 51.0	1.796	2.745	9.2	20.6
8 19	19 27.71	−24 59.3	1.871	2.752	12.6	20.8

193619 2001 CL_{21} 7 18.5 252°.21 3°.0/17.4 18

6 10	20 22.21	−27 56.8	1.973	2.806	14.2	20.0
6 20	20 17.52	−28 18.6	1.883	2.795	11.2	19.8
6 30	20 10.27	−28 41.1	1.814	2.784	7.8	19.6
7 10	20 1.06	−28 59.9	1.770	2.773	4.3	19.3
7 20	19 50.75	−29 10.8	1.752	2.761	3.2	19.2
7 30	19 40.50	−29 11.0	1.762	2.749	6.1	19.4
8 9	19 31.46	−28 59.8	1.797	2.737	9.8	19.6
8 19	19 24.54	−28 38.3	1.856	2.725	13.2	19.8

35955 1999 KS_{17} 7 18.5 240°.10 0°.6/18.2 18

6 10	20 17.41	−20 47.5	2.280	3.105	12.8	19.4
6 20	20 13.29	−21 11.7	2.189	3.098	10.0	19.2
6 30	20 7.17	−21 41.4	2.121	3.092	6.8	19.0
7 10	19 59.52	−22 13.9	2.078	3.085	3.2	18.8
7 20	19 51.02	−22 46.2	2.063	3.078	0.9	18.6
7 30	19 42.55	−23 15.1	2.075	3.071	4.5	18.8
8 9	19 34.97	−23 38.6	2.115	3.064	8.0	19.0
8 19	19 29.02	−23 55.5	2.179	3.057	11.2	19.2

182025 2000 AV_{100} 7 18.5 297°.72 8°.4/21.9 18

6 10	20 14.76	+ 1 34.2	2.244	2.994	15.2	19.4
6 20	20 11.25	+ 2 34.9	2.141	2.974	13.3	19.2
6 30	20 5.83	+ 3 21.2	2.057	2.953	11.2	19.0
7 10	19 58.92	+ 3 49.8	1.995	2.932	9.4	18.9
7 20	19 51.12	+ 3 58.6	1.957	2.912	8.4	18.8
7 30	19 43.20	+ 3 47.1	1.944	2.891	8.9	18.7
8 9	19 36.01	+ 3 17.1	1.956	2.871	10.6	18.8
8 19	19 30.27	+ 2 32.4	1.990	2.850	12.8	18.9

39600 1993 TX_{15} 7 18.5 193°.84 1°.3/18.0 17

6 10	20 22.81	−21 57.2	1.692	2.527	16.1	20.0
6 20	20 18.23	−22 26.5	1.611	2.525	12.6	19.8
6 30	20 10.89	−23 2.5	1.551	2.524	8.6	19.6
7 10	20 1.39	−23 40.9	1.515	2.522	4.1	19.3
7 20	19 50.72	−24 17.0	1.504	2.519	1.6	19.1
7 30	19 40.13	−24 46.4	1.521	2.516	5.9	19.4
8 9	19 30.90	−25 6.5	1.563	2.512	10.3	19.6
8 19	19 24.01	−25 17.0	1.628	2.508	14.2	19.9

482198 2010 VO_{91} 7 18.5 216°.03 2°.5/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 17.23	−27 43.1	2.825	3.647	10.6	21.9
6 20	20 12.84	−28 21.6	2.735	3.642	8.3	21.8
6 30	20 6.70	−29 1.2	2.669	3.637	5.8	21.6
7 10	19 59.25	−29 38.5	2.630	3.631	3.3	21.4
7 20	19 51.09	−30 10.5	2.619	3.625	2.7	21.4
7 30	19 42.96	−30 34.4	2.636	3.618	4.8	21.5
8 9	19 35.60	−30 49.1	2.682	3.612	7.4	21.7
8 19	19 29.63	−30 54.4	2.751	3.605	9.9	21.8

512199 2015 TF_{11} 7 18.5 88°.81 1°.8/19.4 18

6 10	20 16.92	−15 25.5	2.364	3.175	12.8	20.7
6 20	20 12.64	−15 11.7	2.281	3.179	10.1	20.6
6 30	20 6.56	−15 4.5	2.221	3.183	7.1	20.4
7 10	19 59.16	−15 3.2	2.186	3.187	3.9	20.2
7 20	19 51.12	−15 6.4	2.178	3.191	1.8	20.0
7 30	19 43.20	−15 12.9	2.199	3.195	4.2	20.2
8 9	19 36.17	−15 20.9	2.246	3.199	7.4	20.4
8 19	19 30.65	−15 29.2	2.319	3.202	10.4	20.6

126192 2002 AR_{23} 7 18.5 216°.92 1°.5/19.3 18

6 10	20 18.42	−14 24.2	1.937	2.755	15.0	20.3
6 20	20 14.39	−14 45.9	1.849	2.751	11.9	20.1
6 30	20 8.08	−15 19.1	1.782	2.747	8.3	19.8
7 10	20 0.02	−16 1.8	1.739	2.742	4.3	19.6
7 20	19 50.96	−16 50.8	1.722	2.737	1.6	19.4
7 30	19 41.90	−17 42.0	1.733	2.731	4.9	19.6
8 9	19 33.86	−18 31.7	1.771	2.726	8.9	19.8
8 19	19 27.68	−19 16.8	1.833	2.720	12.5	20.0

36722 2000 RZ_{42} 7 18.5 197°.29 2°.3/17.7 18

6 10	20 23.80	−26 59.0	2.092	2.918	13.7	18.9
6 20	20 18.46	−27 10.4	2.007	2.916	10.8	18.7
6 30	20 10.72	−27 22.2	1.944	2.913	7.4	18.5
7 10	20 1.21	−27 30.6	1.906	2.910	3.9	18.3
7 20	19 50.77	−27 32.5	1.896	2.907	2.5	18.2
7 30	19 40.49	−27 25.5	1.913	2.903	5.5	18.4
8 9	19 31.42	−27 9.5	1.957	2.899	9.1	18.6
8 19	19 24.37	−26 45.7	2.026	2.894	12.3	18.8

92867 2000 QU_{212} 7 18.5 338°.43 0°.4/18.4 17

6 10	20 17.07	−20 38.6	1.436	2.289	17.4	19.5
6 20	20 14.17	−20 47.8	1.357	2.282	13.8	19.2
6 30	20 8.36	−21 4.8	1.298	2.275	9.4	19.0
7 10	20 0.27	−21 26.3	1.260	2.268	4.4	18.7
7 20	19 50.92	−21 48.5	1.247	2.263	0.9	18.4
7 30	19 41.65	−22 7.3	1.258	2.258	6.1	18.7
8 9	19 33.85	−22 20.1	1.293	2.253	11.0	19.0
8 19	19 28.53	−22 26.0	1.349	2.249	15.3	19.3

392060 2009 BP_{183} 7 18.5 21°.05 5°.3/16.8 17

6 10	20 22.58	−33 57.3	1.802	2.641	15.1	20.6
6 20	20 17.99	−34 25.9	1.732	2.643	12.1	20.4
6 30	20 10.61	−34 50.3	1.683	2.646	8.8	20.2
7 10	20 1.19	−35 4.6	1.658	2.650	6.1	20.1
7 20	19 50.78	−35 4.2	1.657	2.653	5.5	20.1
7 30	19 40.71	−34 46.9	1.683	2.657	7.7	20.2
8 9	19 32.19	−34 13.6	1.733	2.662	10.9	20.4
8 19	19 26.10	−33 27.6	1.806	2.666	13.9	20.6

22979 1999 VG_{25} 7 18.5 221°.52 2°.6/17.5 18

6 10	20 22.21	−25 10.9	1.684	2.524	15.9	18.1
6 20	20 17.88	−25 46.5	1.602	2.520	12.5	17.9
6 30	20 10.71	−26 26.5	1.542	2.515	8.6	17.6
7 10	20 1.34	−27 5.7	1.505	2.511	4.4	17.4
7 20	19 50.74	−27 38.8	1.495	2.506	2.9	17.3
7 30	19 40.22	−28 1.5	1.510	2.501	6.5	17.5
8 9	19 31.10	−28 11.7	1.551	2.496	10.7	17.7
8 19	19 24.37	−28 10.1	1.613	2.490	14.5	17.9

71029 1999 XS_{66} 7 18.5 258°.65 1°.3/19.1 18

6 10	20 18.54	−16 57.9	1.953	2.777	14.6	19.7
6 20	20 14.46	−16 55.5	1.864	2.770	11.6	19.5
6 30	20 8.11	−17 0.7	1.795	2.763	8.0	19.2
7 10	20 0.02	−17 12.1	1.751	2.755	4.1	19.0
7 20	19 50.97	−17 27.6	1.733	2.748	1.3	18.8
7 30	19 41.96	−17 44.5	1.742	2.740	4.9	19.0
8 9	19 34.00	−18 0.9	1.778	2.733	8.9	19.2
8 19	19 27.90	−18 15.0	1.837	2.725	12.5	19.4

50575 2000 EL_{40} 7 18.5 307°.88 7°.8/15.9 18

6 10	20 24.68	−36 49.7	1.504	2.349	17.2	18.1
6 20	20 20.60	−37 41.2	1.428	2.340	14.1	17.9
6 30	20 12.97	−38 27.5	1.372	2.331	10.9	17.7
7 10	20 2.52	−38 59.7	1.338	2.322	8.3	17.5
7 20	19 50.54	−39 10.2	1.327	2.313	8.0	17.5
7 30	19 38.78	−38 54.8	1.340	2.305	10.3	17.6
8 9	19 28.93	−38 14.7	1.376	2.296	13.7	17.8
8 19	19 22.20	−37 15.1	1.432	2.289	17.1	18.0

325562 2009 SK_{107} 7 18.5 3°.09 12°.6/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 12.29	+ 3 36.2	1.261	2.057	22.6	20.1
6 20	20 10.47	+ 4 56.5	1.196	2.055	19.9	19.9
6 30	20 5.85	+ 5 49.9	1.145	2.055	17.0	19.8
7 10	19 59.08	+ 6 10.0	1.112	2.056	14.4	19.6
7 20	19 51.13	+ 5 53.4	1.098	2.057	12.8	19.5
7 30	19 43.29	+ 5 1.1	1.104	2.060	13.0	19.5
8 9	19 36.85	+ 3 39.7	1.130	2.065	14.8	19.7
8 19	19 32.81	+ 1 58.8	1.176	2.070	17.5	19.9

263495 2008 EV_{100} 7 18.6 75°.54 0°.9/18.9 17

6 10	20 20.84	−17 21.1	1.502	2.340	17.6	21.0
6 20	20 16.66	−17 32.7	1.440	2.354	13.8	20.7
6 30	20 9.73	−17 54.6	1.396	2.368	9.4	20.5
7 10	20 0.79	−18 23.7	1.376	2.382	4.6	20.3
7 20	19 50.87	−18 56.1	1.380	2.396	1.0	20.1
7 30	19 41.27	−19 27.8	1.411	2.410	5.6	20.4
8 9	19 33.21	−19 55.7	1.466	2.424	10.1	20.7
8 19	19 27.54	−20 17.9	1.543	2.438	14.0	21.0

382268 2012 TN_{147} 7 18.6 11°.06 4°.2/19.8 18

6 10	20 18.97	−12 47.9	1.611	2.436	17.2	19.9
6 20	20 15.07	−12 0.5	1.535	2.437	13.9	19.7
6 30	20 8.62	−11 23.0	1.478	2.439	10.1	19.4
7 10	20 0.28	−10 56.1	1.445	2.440	6.3	19.2
7 20	19 50.95	−10 40.1	1.435	2.442	4.2	19.1
7 30	19 41.81	−10 34.1	1.452	2.445	6.4	19.2
8 9	19 33.99	−10 36.2	1.493	2.448	10.2	19.5
8 19	19 28.33	−10 44.1	1.556	2.451	13.9	19.7

88756 2001 SN_{60} 7 18.6 165°.48 0°.8/18.9 18

6 10	20 17.38	−17 23.5	2.238	3.057	13.2	19.6
6 20	20 13.20	−17 33.7	2.154	3.058	10.4	19.5
6 30	20 7.05	−17 50.9	2.092	3.059	7.1	19.3
7 10	19 59.45	−18 13.3	2.056	3.061	3.5	19.0
7 20	19 51.10	−18 38.4	2.046	3.062	0.9	18.8
7 30	19 42.83	−19 3.7	2.065	3.062	4.3	19.1
8 9	19 35.49	−19 26.9	2.110	3.063	7.8	19.3
8 19	19 29.77	−19 46.7	2.180	3.064	11.0	19.5

77239 2001 FZ_{40} 7 18.6 358°.72 2°.0/17.9 18

6 10	20 15.81	−23 46.9	1.114	1.990	19.8	18.6
6 20	20 13.92	−24 0.7	1.049	1.986	15.6	18.3
6 30	20 8.55	−24 20.5	1.001	1.984	10.6	18.1
7 10	20 0.45	−24 41.4	0.974	1.983	5.2	17.8
7 20	19 50.91	−24 57.9	0.968	1.983	2.4	17.6
7 30	19 41.64	−25 5.6	0.985	1.984	7.4	17.9
8 9	19 34.28	−25 2.6	1.023	1.987	12.7	18.2
8 19	19 29.97	−24 49.5	1.080	1.990	17.4	18.5

129515 1995 UX_{17} 7 18.6 71°.60 1°.1/18.1 17

6 10	20 20.26	−22 39.1	1.766	2.604	15.4	20.6
6 20	20 16.01	−22 52.9	1.691	2.607	12.0	20.3
6 30	20 9.22	−23 11.3	1.637	2.610	8.1	20.1
7 10	20 0.55	−23 30.8	1.606	2.614	3.9	19.9
7 20	19 50.91	−23 47.8	1.602	2.617	1.4	19.7
7 30	19 41.47	−23 59.3	1.624	2.620	5.4	20.0
8 9	19 33.34	−24 3.9	1.672	2.624	9.6	20.2
8 19	19 27.38	−24 1.4	1.743	2.627	13.2	20.5

508975 2004 XQ_{111} 7 18.6 228°.73 1°.5/17.9 18

6 10	20 21.52	−24 11.3	2.401	3.220	12.4	22.6
6 20	20 16.48	−24 31.6	2.301	3.207	9.7	22.4
6 30	20 9.34	−24 54.7	2.224	3.193	6.6	22.2
7 10	20 0.58	−25 17.5	2.174	3.179	3.3	21.9
7 20	19 50.90	−25 36.9	2.151	3.165	1.7	21.8
7 30	19 41.20	−25 50.2	2.158	3.149	4.8	22.0
8 9	19 32.40	−25 56.1	2.192	3.133	8.2	22.2
8 19	19 25.27	−25 54.6	2.250	3.117	11.3	22.3

15887 Daveclark 7 18.6 315°.04 0°.9/18.9 18

6 10	20 14.99	−17 25.9	1.922	2.754	14.5	18.3
6 20	20 11.87	−17 32.8	1.823	2.735	11.5	18.1
6 30	20 6.49	−17 48.0	1.745	2.716	8.0	17.8
7 10	19 59.33	−18 10.0	1.691	2.697	4.0	17.6
7 20	19 51.11	−18 36.1	1.663	2.678	1.0	17.3
7 30	19 42.81	−19 3.3	1.661	2.660	4.9	17.5
8 9	19 35.46	−19 28.9	1.685	2.642	9.1	17.8
8 19	19 29.93	−19 50.9	1.732	2.625	12.8	17.9

184642 2005 SX_{20} 7 18.6 339°.03 8°.5/23.2 18

6 10	20 13.10	+ 2 19.1	1.992	2.751	16.6	19.8
6 20	20 10.10	+ 2 57.7	1.906	2.745	14.4	19.6
6 30	20 5.10	+ 3 17.3	1.838	2.740	12.0	19.4
7 10	19 58.60	+ 3 15.1	1.792	2.735	9.8	19.3
7 20	19 51.25	+ 2 50.0	1.768	2.730	8.6	19.2
7 30	19 43.91	+ 2 3.3	1.769	2.726	8.9	19.2
8 9	19 37.47	+ 0 59.0	1.794	2.722	10.6	19.3
8 19	19 32.63	− 0 17.4	1.842	2.719	13.0	19.5

118790 2000 RD_{104} 7 18.6 156°.05 2°.5/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 22.18	−15 4.2	2.079	2.886	14.4	19.6
6 20	20 16.96	−14 35.7	1.997	2.892	11.5	19.4
6 30	20 9.58	−14 13.9	1.937	2.897	8.1	19.2
7 10	20 0.64	−13 58.6	1.902	2.901	4.6	19.0
7 20	19 50.92	−13 48.9	1.894	2.905	2.5	18.9
7 30	19 41.37	−13 43.8	1.915	2.909	5.0	19.0
8 9	19 32.93	−13 41.9	1.962	2.912	8.5	19.3
8 19	19 26.31	−13 42.1	2.034	2.915	11.7	19.5

319185 2005 YZ_{133} 7 18.6 264°.26 3°.1/16.6 18

6 10	20 17.24	−27 45.0	2.409	3.240	12.0	20.5
6 20	20 13.22	−28 35.8	2.322	3.233	9.4	20.3
6 30	20 7.16	−29 28.8	2.258	3.227	6.5	20.1
7 10	19 59.56	−30 19.6	2.220	3.221	3.9	19.9
7 20	19 51.10	−31 4.0	2.210	3.214	3.3	19.9
7 30	19 42.63	−31 38.4	2.227	3.208	5.6	20.0
8 9	19 35.07	−32 1.1	2.271	3.201	8.6	20.2
8 19	19 29.14	−32 12.0	2.339	3.195	11.3	20.4

312794 2010 VM_{195} 7 18.6 21°.85 3°.5/19.7 18

6 10	20 18.40	−12 43.2	2.213	3.017	13.8	19.9
6 20	20 13.88	−11 56.6	2.129	3.019	11.1	19.7
6 30	20 7.45	−11 17.0	2.068	3.022	8.1	19.5
7 10	19 59.62	−10 45.1	2.031	3.024	5.1	19.4
7 20	19 51.10	−10 21.0	2.022	3.027	3.5	19.3
7 30	19 42.72	−10 4.6	2.040	3.030	5.2	19.4
8 9	19 35.31	− 9 54.8	2.085	3.033	8.2	19.6
8 19	19 29.51	− 9 50.3	2.154	3.036	11.2	19.8

386771 2010 CJ_{185} 7 18.6 46°.42 4°.1/16.2 18

6 10	20 18.62	−25 56.9	1.667	2.515	15.7	19.6
6 20	20 15.03	−27 25.4	1.606	2.527	12.2	19.4
6 30	20 8.74	−28 59.3	1.566	2.540	8.4	19.2
7 10	20 0.39	−30 31.0	1.551	2.553	5.0	19.0
7 20	19 50.97	−31 52.7	1.562	2.567	4.5	19.0
7 30	19 41.72	−32 58.3	1.600	2.580	7.4	19.2
8 9	19 33.87	−33 44.7	1.661	2.594	11.0	19.5
8 19	19 28.34	−34 12.4	1.745	2.609	14.2	19.7

477673 2010 OT_{109} 7 18.6 166°.24 8°.1/23.8 18

6 10	20 15.55	+ 8 44.3	3.063	3.742	12.8	21.3
6 20	20 11.19	+ 9 41.9	2.978	3.746	11.4	21.1
6 30	20 5.41	+10 24.8	2.913	3.749	10.0	21.0
7 10	19 58.62	+10 50.8	2.871	3.752	8.8	21.0
7 20	19 51.29	+10 58.5	2.852	3.755	8.2	20.9
7 30	19 43.99	+10 47.8	2.859	3.758	8.3	20.9
8 9	19 37.30	+10 20.4	2.891	3.759	9.1	21.0
8 19	19 31.73	+ 9 39.5	2.946	3.761	10.3	21.1

397766 2008 GX_{73} 7 18.6 313°.15 4°.0/16.2 18

6 10	20 17.48	−29 21.0	2.134	2.971	13.1	21.0
6 20	20 13.73	−30 20.7	2.051	2.965	10.3	20.8
6 30	20 7.69	−31 22.2	1.990	2.959	7.3	20.6
7 10	19 59.87	−32 20.1	1.955	2.952	4.7	20.4
7 20	19 51.06	−33 9.3	1.946	2.946	4.3	20.4
7 30	19 42.25	−33 45.4	1.964	2.940	6.7	20.5
8 9	19 34.49	−34 6.8	2.008	2.935	9.7	20.7
8 19	19 28.61	−34 13.8	2.075	2.929	12.6	20.9

35217 1994 VK_{1} 7 18.6 292°.98 3°.5/19.7 18

6 10	20 18.48	−13 27.8	1.351	2.192	19.0	18.6
6 20	20 15.50	−13 9.7	1.265	2.178	15.4	18.3
6 30	20 9.46	−13 4.9	1.196	2.164	11.1	18.1
7 10	20 0.92	−13 13.5	1.148	2.149	6.4	17.8
7 20	19 50.86	−13 33.8	1.123	2.135	3.5	17.5
7 30	19 40.70	−14 2.8	1.123	2.121	6.8	17.7
8 9	19 31.94	−14 36.3	1.146	2.108	11.8	17.9
8 19	19 25.76	−15 10.5	1.189	2.094	16.5	18.2

381902 2010 CV_{4} 7 18.6 138°.70 4°.0/21.1 18

6 10	20 18.11	− 6 8.6	2.292	3.071	14.1	21.0
6 20	20 13.60	− 6 19.9	2.212	3.082	11.6	20.9
6 30	20 7.24	− 6 45.4	2.154	3.093	8.7	20.7
7 10	19 59.53	− 7 24.6	2.120	3.103	5.8	20.6
7 20	19 51.13	− 8 15.6	2.113	3.113	4.1	20.5
7 30	19 42.84	− 9 15.3	2.134	3.122	5.2	20.5
8 9	19 35.43	−10 19.5	2.183	3.131	7.9	20.7
8 19	19 29.55	−11 24.5	2.258	3.139	10.7	20.9

126621 2002 CA_{157} 7 18.6 1°.93 1°.5/17.8 18

6 10	20 17.10	−23 38.8	2.016	2.853	13.8	19.8
6 20	20 13.32	−24 2.9	1.937	2.853	10.8	19.6
6 30	20 7.31	−24 30.9	1.879	2.852	7.3	19.4
7 10	19 59.65	−24 59.3	1.846	2.853	3.5	19.1
7 20	19 51.12	−25 24.7	1.839	2.853	1.8	19.0
7 30	19 42.71	−25 43.8	1.860	2.854	5.2	19.3
8 9	19 35.39	−25 55.1	1.906	2.855	8.8	19.5
8 19	19 29.93	−25 58.3	1.976	2.856	12.1	19.7

40387 1999 NL_{49} 7 18.6 250°.97 3°.3/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 20.10	−12 59.4	2.018	2.826	14.8	18.4
6 20	20 15.62	−12 28.6	1.920	2.813	12.0	18.2
6 30	20 8.89	−12 6.0	1.844	2.801	8.7	18.0
7 10	20 0.43	−11 51.7	1.792	2.788	5.3	17.7
7 20	19 50.98	−11 45.5	1.766	2.775	3.3	17.6
7 30	19 41.51	−11 46.2	1.768	2.761	5.5	17.7
8 9	19 33.02	−11 52.2	1.796	2.747	9.1	17.9
8 19	19 26.33	−12 1.8	1.849	2.733	12.6	18.1

478020 2011 SZ_{199} 7 18.6 257°.31 1°.6/17.8 18

6 10	20 18.97	−23 55.9	2.191	3.020	13.1	22.2
6 20	20 14.72	−24 21.3	2.096	3.008	10.3	22.0
6 30	20 8.27	−24 50.5	2.024	2.995	7.0	21.7
7 10	20 0.13	−25 20.1	1.976	2.983	3.5	21.5
7 20	19 51.03	−25 46.6	1.956	2.970	1.8	21.3
7 30	19 41.91	−26 6.8	1.964	2.956	5.1	21.5
8 9	19 33.76	−26 19.0	1.998	2.943	8.7	21.7
8 19	19 27.36	−26 22.9	2.056	2.930	12.0	21.9

4737 Kiladze 7 18.6 0°.51 1°.2/19.1 18

6 10	20 16.28	−15 59.1	1.649	2.486	16.3	16.7
6 20	20 13.07	−16 16.0	1.571	2.485	12.9	16.5
6 30	20 7.37	−16 44.3	1.513	2.484	8.9	16.3
7 10	19 59.75	−17 21.8	1.479	2.484	4.5	16.0
7 20	19 51.10	−18 4.6	1.469	2.485	1.3	15.8
7 30	19 42.54	−18 48.7	1.486	2.485	5.3	16.1
8 9	19 35.21	−19 30.1	1.527	2.486	9.7	16.3
8 19	19 29.98	−20 6.0	1.591	2.488	13.6	16.6

308087 2004 VJ 7 18.6 307°.58 0°.6/18.3 18

6 10	20 15.84	−18 29.5	1.206	2.070	19.4	20.4
6 20	20 14.06	−19 6.7	1.117	2.047	15.5	20.0
6 30	20 8.91	−19 59.9	1.045	2.025	10.7	19.7
7 10	20 0.85	−21 5.7	0.994	2.003	5.1	19.3
7 20	19 50.86	−22 17.3	0.965	1.981	1.2	19.0
7 30	19 40.54	−23 26.6	0.960	1.960	7.3	19.3
8 9	19 31.67	−24 26.4	0.976	1.940	13.2	19.6
8 19	19 25.73	−25 12.8	1.012	1.920	18.5	19.8

122796 2000 SO_{94} 7 18.6 121°.83 0°.2/18.5 18

6 10	20 22.98	−21 0.8	2.030	2.850	14.3	19.6
6 20	20 17.62	−21 4.3	1.959	2.865	11.1	19.4
6 30	20 10.04	−21 12.2	1.910	2.879	7.5	19.2
7 10	20 0.86	−21 21.9	1.886	2.893	3.5	19.0
7 20	19 50.93	−21 30.6	1.890	2.906	0.7	18.8
7 30	19 41.28	−21 36.4	1.922	2.918	4.7	19.1
8 9	19 32.86	−21 38.1	1.981	2.930	8.4	19.4
8 19	19 26.39	−21 35.4	2.064	2.942	11.7	19.6

157769 2007 EB_{43} 7 18.6 316°.94 6°.3/15.5 18

6 10	20 20.51	−37 29.4	2.166	2.995	13.2	19.3
6 20	20 16.24	−38 17.0	2.085	2.985	10.8	19.1
6 30	20 9.44	−38 59.7	2.025	2.976	8.4	19.0
7 10	20 0.71	−39 31.8	1.989	2.966	6.6	18.9
7 20	19 50.95	−39 48.2	1.978	2.957	6.5	18.8
7 30	19 41.30	−39 46.0	1.994	2.948	8.2	18.9
8 9	19 32.90	−39 25.3	2.034	2.939	10.7	19.1
8 19	19 26.63	−38 48.7	2.096	2.931	13.3	19.2

318942 2005 UL_{149} 7 18.6 294°.95 1°.6/19.3 15

6 10	20 16.26	−15 56.9	2.137	2.958	13.7	21.7
6 20	20 12.61	−15 53.8	2.033	2.937	10.9	21.5
6 30	20 6.87	−15 58.4	1.951	2.916	7.6	21.2
7 10	19 59.50	−16 9.8	1.893	2.896	4.0	21.0
7 20	19 51.14	−16 26.1	1.861	2.875	1.6	20.7
7 30	19 42.71	−16 45.3	1.857	2.854	4.7	20.9
8 9	19 35.11	−17 5.0	1.879	2.834	8.4	21.1
8 19	19 29.16	−17 23.5	1.925	2.814	12.0	21.3

254375 2004 TD_{136} 7 18.6 321°.01 7°.3/21.7 18

6 10	20 14.75	− 1 11.6	2.188	2.955	15.0	20.2
6 20	20 11.20	− 0 16.5	2.098	2.947	12.9	20.0
6 30	20 5.76	+ 0 24.6	2.028	2.940	10.6	19.8
7 10	19 58.91	+ 0 49.2	1.980	2.932	8.5	19.7
7 20	19 51.27	+ 0 55.8	1.957	2.925	7.4	19.6
7 30	19 43.64	+ 0 44.7	1.959	2.919	7.9	19.6
8 9	19 36.83	+ 0 18.1	1.986	2.912	9.8	19.8
8 19	19 31.52	− 0 20.4	2.036	2.906	12.2	19.9

184662 2005 SE_{52} 7 18.6 332°.24 6°.1/15.3 18

6 10	20 20.61	−36 27.9	2.163	2.993	13.2	19.9
6 20	20 16.27	−37 27.9	2.089	2.991	10.7	19.8
6 30	20 9.43	−38 24.0	2.037	2.989	8.3	19.6
7 10	20 0.70	−39 10.3	2.009	2.988	6.4	19.5
7 20	19 50.97	−39 41.3	2.007	2.986	6.4	19.5
7 30	19 41.36	−39 53.7	2.032	2.985	8.1	19.6
8 9	19 33.00	−39 47.5	2.081	2.984	10.6	19.7
8 19	19 26.74	−39 24.7	2.152	2.982	13.1	19.9

231288 2006 BZ_{80} 7 18.6 145°.61 1°.3/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 20.07	−22 28.4	1.898	2.731	14.6	21.3
6 20	20 15.75	−22 57.2	1.820	2.734	11.4	21.1
6 30	20 9.02	−23 31.3	1.764	2.737	7.7	20.9
7 10	20 0.49	−24 6.9	1.733	2.740	3.7	20.6
7 20	19 51.01	−24 39.8	1.728	2.742	1.6	20.5
7 30	19 41.67	−25 6.6	1.750	2.745	5.3	20.7
8 9	19 33.52	−25 25.0	1.798	2.747	9.2	21.0
8 19	19 27.40	−25 34.7	1.870	2.749	12.7	21.2

202249 2005 AS_{16} 7 18.6 180°.15 0°.2/18.7 17

6 10	20 20.23	−19 22.6	2.320	3.136	12.9	21.6
6 20	20 15.36	−19 31.5	2.234	3.137	10.1	21.4
6 30	20 8.51	−19 45.8	2.170	3.138	6.9	21.2
7 10	20 0.18	−20 3.2	2.132	3.138	3.3	20.9
7 20	19 51.07	−20 21.3	2.122	3.138	0.5	20.7
7 30	19 42.06	−20 37.9	2.140	3.137	4.3	21.0
8 9	19 33.99	−20 51.3	2.186	3.135	7.8	21.2
8 19	19 27.57	−21 0.5	2.257	3.134	10.9	21.4

50995 2000 GH_{95} 7 18.6 211°.64 2°.6/17.5 18

6 10	20 23.27	−26 9.9	1.909	2.740	14.6	18.5
6 20	20 18.39	−26 37.3	1.823	2.735	11.5	18.3
6 30	20 10.91	−27 7.1	1.759	2.730	7.9	18.1
7 10	20 1.43	−27 34.9	1.720	2.724	4.2	17.8
7 20	19 50.85	−27 56.1	1.707	2.718	2.8	17.7
7 30	19 40.36	−28 7.5	1.722	2.712	6.0	17.9
8 9	19 31.13	−28 7.8	1.763	2.705	9.9	18.1
8 19	19 24.07	−27 57.9	1.827	2.697	13.4	18.3

510380 2011 UO_{45} 7 18.6 332°.95 0°.3/18.4 18

6 10	20 15.49	−17 48.9	1.855	2.690	14.9	21.4
6 20	20 12.32	−18 38.1	1.770	2.684	11.7	21.2
6 30	20 6.82	−19 38.6	1.706	2.679	7.9	21.0
7 10	19 59.51	−20 46.7	1.666	2.674	3.7	20.7
7 20	19 51.17	−21 57.4	1.653	2.669	0.8	20.5
7 30	19 42.81	−23 5.1	1.667	2.665	5.1	20.8
8 9	19 35.50	−24 5.6	1.707	2.661	9.3	21.0
8 19	19 30.08	−24 55.9	1.771	2.657	12.9	21.2

386713 2009 WX_{188} 7 18.6 204°.31 0°.2/18.6 17

6 10	20 21.07	−19 34.1	1.963	2.787	14.6	22.3
6 20	20 16.45	−19 41.9	1.876	2.784	11.5	22.1
6 30	20 9.48	−19 55.9	1.811	2.781	7.8	21.9
7 10	20 0.72	−20 13.6	1.771	2.777	3.7	21.6
7 20	19 50.99	−20 32.3	1.757	2.773	0.6	21.4
7 30	19 41.33	−20 49.1	1.771	2.768	4.9	21.7
8 9	19 32.79	−21 2.0	1.811	2.763	8.9	21.9
8 19	19 26.20	−21 10.2	1.875	2.758	12.5	22.1

210526 1998 VC_{41} 7 18.6 222°.44 2°.0/19.5 18

6 10	20 18.08	−14 24.4	2.189	3.000	13.7	20.9
6 20	20 13.83	−14 20.3	2.098	2.995	10.9	20.7
6 30	20 7.57	−14 24.7	2.028	2.989	7.7	20.5
7 10	19 59.78	−14 36.7	1.983	2.984	4.2	20.2
7 20	19 51.16	−14 54.4	1.965	2.978	2.0	20.1
7 30	19 42.57	−15 15.9	1.975	2.972	4.6	20.2
8 9	19 34.89	−15 38.8	2.012	2.966	8.1	20.4
8 19	19 28.85	−16 1.1	2.074	2.959	11.4	20.6

187299 2005 TY_{151} 7 18.6 146°.60 0°.5/18.3 18

6 10	20 17.35	−20 54.3	2.649	3.466	11.4	21.6
6 20	20 12.88	−21 15.5	2.568	3.473	8.9	21.5
6 30	20 6.70	−21 40.9	2.510	3.479	6.0	21.3
7 10	19 59.29	−22 8.2	2.478	3.485	2.8	21.1
7 20	19 51.26	−22 34.8	2.475	3.490	0.7	20.9
7 30	19 43.32	−22 58.4	2.500	3.496	3.9	21.2
8 9	19 36.20	−23 17.4	2.554	3.501	6.9	21.4
8 19	19 30.49	−23 31.1	2.633	3.506	9.7	21.6

137827 2000 AY_{21} 7 18.6 118°.59 0°.3/18.5 17

6 10	20 23.03	−20 25.5	1.713	2.544	16.1	20.0
6 20	20 18.14	−20 38.2	1.644	2.556	12.6	19.8
6 30	20 10.66	−20 57.2	1.595	2.567	8.5	19.5
7 10	20 1.26	−21 19.4	1.571	2.578	4.0	19.3
7 20	19 50.93	−21 41.0	1.573	2.588	0.8	19.1
7 30	19 40.88	−21 58.9	1.601	2.599	5.3	19.4
8 9	19 32.24	−22 11.2	1.656	2.608	9.6	19.7
8 19	19 25.86	−22 17.3	1.733	2.618	13.3	20.0

299688 2006 QN_{100} 7 18.6 304°.10 4°.1/20.5 18

6 10	20 15.29	− 9 15.0	1.916	2.725	15.4	21.0
6 20	20 11.99	− 9 4.1	1.824	2.714	12.6	20.8
6 30	20 6.52	− 9 6.5	1.751	2.703	9.4	20.6
7 10	19 59.36	− 9 22.6	1.702	2.693	6.1	20.4
7 20	19 51.24	− 9 51.1	1.677	2.682	4.1	20.2
7 30	19 43.09	−10 29.8	1.680	2.672	5.8	20.3
8 9	19 35.88	−11 14.9	1.707	2.662	9.2	20.5
8 19	19 30.42	−12 2.7	1.758	2.652	12.6	20.7

127428 2002 *PX* 7 18.6 59°.22 16°.6/20.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 26.45	+ 0 52.1	1.044	1.846	25.9	19.0
6 20	20 22.12	+ 4 2.1	0.987	1.850	22.9	18.8
6 30	20 14.08	+ 6 52.6	0.946	1.854	19.9	18.6
7 10	20 3.14	+ 9 10.8	0.922	1.858	17.5	18.5
7 20	19 50.61	+10 45.5	0.918	1.862	16.6	18.5
7 30	19 38.32	+11 31.1	0.933	1.866	17.4	18.5
8 9	19 28.04	+11 30.7	0.966	1.870	19.6	18.7
8 19	19 21.01	+10 53.6	1.015	1.874	22.3	18.9

110855 2001 UO_{77} 7 18.6 178°.16 0°.7/18.2 18

6 10	20 17.68	−21 2.0	2.191	3.018	13.2	20.4
6 20	20 13.57	−21 26.7	2.108	3.018	10.3	20.2
6 30	20 7.41	−21 57.0	2.047	3.018	6.9	20.0
7 10	19 59.71	−22 29.8	2.011	3.018	3.3	19.7
7 20	19 51.20	−23 1.9	2.003	3.018	1.0	19.6
7 30	19 42.76	−23 30.2	2.022	3.018	4.6	19.8
8 9	19 35.31	−23 52.6	2.069	3.018	8.2	20.0
8 19	19 29.54	−24 8.2	2.139	3.018	11.3	20.2

509733 2008 SD_{265} 7 18.6 245°.44 0°.6/18.9 17

6 10	20 18.73	−17 29.4	2.015	2.838	14.3	22.6
6 20	20 14.65	−17 45.2	1.921	2.828	11.3	22.4
6 30	20 8.30	−18 9.3	1.849	2.818	7.8	22.1
7 10	20 0.21	−18 39.8	1.802	2.807	3.8	21.9
7 20	19 51.10	−19 13.4	1.781	2.796	0.8	21.6
7 30	19 41.97	−19 47.0	1.787	2.785	4.8	21.9
8 9	19 33.82	−20 17.6	1.820	2.774	8.8	22.1
8 19	19 27.49	−20 43.4	1.878	2.763	12.4	22.3

237122 2008 TJ_{186} 7 18.6 199°.53 1°.8/19.5 18

6 10	20 18.14	−14 3.0	2.087	2.900	14.2	20.8
6 20	20 13.99	−14 14.3	2.000	2.898	11.3	20.6
6 30	20 7.73	−14 35.9	1.933	2.896	7.9	20.4
7 10	19 59.89	−15 6.1	1.892	2.893	4.3	20.2
7 20	19 51.17	−15 42.5	1.877	2.891	1.8	20.0
7 30	19 42.48	−16 22.0	1.890	2.888	4.7	20.2
8 9	19 34.76	−17 1.4	1.930	2.885	8.3	20.4
8 19	19 28.74	−17 38.2	1.995	2.881	11.7	20.6

186376 2002 GT_{163} 7 18.6 343°.73 5°.6/21.6 18

6 10	20 13.78	− 4 15.1	2.145	2.930	14.8	19.8
6 20	20 10.48	− 3 54.3	2.059	2.927	12.4	19.6
6 30	20 5.30	− 3 48.1	1.992	2.924	9.7	19.5
7 10	19 58.72	− 3 57.7	1.948	2.921	7.1	19.3
7 20	19 51.37	− 4 22.6	1.929	2.919	5.6	19.2
7 30	19 44.06	− 5 1.1	1.937	2.916	6.4	19.3
8 9	19 37.60	− 5 49.8	1.970	2.915	8.8	19.4
8 19	19 32.66	− 6 44.6	2.027	2.913	11.6	19.6

352131 2007 GU_{73} 7 18.6 351°.46 9°.3/13.4 17

6 10	20 19.24	−36 2.9	1.431	2.289	17.3	19.4
6 20	20 16.66	−38 1.4	1.367	2.285	14.2	19.2
6 30	20 10.56	−39 58.8	1.323	2.281	11.3	19.0
7 10	20 1.57	−41 43.6	1.302	2.278	9.4	18.9
7 20	19 50.88	−43 4.7	1.304	2.276	9.8	18.9
7 30	19 40.21	−43 54.8	1.329	2.275	12.1	19.0
8 9	19 31.34	−44 12.6	1.374	2.274	15.2	19.2
8 19	19 25.57	−44 1.9	1.439	2.274	18.2	19.4

19660 Danielsteck 7 18.6 187°.83 2°.2/19.6 18

6 10	20 20.48	−13 5.0	1.761	2.578	16.3	19.0
6 20	20 16.22	−13 22.7	1.678	2.578	13.0	18.7
6 30	20 9.47	−13 53.7	1.614	2.577	9.2	18.5
7 10	20 0.79	−14 36.3	1.575	2.576	5.0	18.3
7 20	19 51.04	−15 27.0	1.561	2.574	2.2	18.1
7 30	19 41.31	−16 21.5	1.575	2.572	5.3	18.3
8 9	19 32.75	−17 15.3	1.614	2.570	9.5	18.5
8 19	19 26.26	−18 5.1	1.677	2.567	13.4	18.7

8983 Rayakazakova 7 18.6 206°.12 4°.4/21.1 18

6 10	20 15.47	− 6 7.8	2.430	3.210	13.4	17.4
6 20	20 11.56	− 5 57.3	2.339	3.208	11.0	17.3
6 30	20 5.91	− 5 59.3	2.269	3.205	8.4	17.1
7 10	19 58.98	− 6 14.0	2.224	3.203	5.9	16.9
7 20	19 51.35	− 6 40.8	2.204	3.200	4.4	16.8
7 30	19 43.74	− 7 17.6	2.213	3.197	5.4	16.9
8 9	19 36.90	− 8 1.7	2.248	3.193	7.9	17.0
8 19	19 31.43	− 8 49.8	2.309	3.190	10.5	17.2

175703 1995 UC_{69} 7 18.6 83°.32 0°.1/18.6 17

6 10	20 21.89	−19 15.3	1.510	2.349	17.4	20.8
6 20	20 17.56	−19 27.9	1.446	2.362	13.7	20.6
6 30	20 10.41	−19 48.8	1.401	2.375	9.3	20.3
7 10	20 1.20	−20 14.9	1.380	2.387	4.4	20.1
7 20	19 50.99	−20 41.9	1.384	2.400	0.7	19.8
7 30	19 41.10	−21 6.1	1.413	2.412	5.7	20.2
8 9	19 32.77	−21 24.9	1.468	2.424	10.2	20.5
8 19	19 26.89	−21 37.5	1.544	2.436	14.2	20.8

45573 2000 CZ_{72} 7 18.6 301°.20 1°.6/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 20.10	−18 33.5	1.452	2.296	17.8	18.4
6 20	20 16.65	−18 8.5	1.362	2.280	14.2	18.2
6 30	20 10.19	−17 50.0	1.290	2.263	9.9	17.9
7 10	20 1.29	−17 36.8	1.240	2.246	5.1	17.5
7 20	19 50.95	−17 27.3	1.215	2.230	1.7	17.3
7 30	19 40.55	−17 19.7	1.214	2.214	6.2	17.5
8 9	19 31.55	−17 12.5	1.238	2.198	11.3	17.8
8 19	19 25.07	−17 5.1	1.282	2.183	15.9	18.0

138812 2000 TY_{54} 7 18.6 244°.46 0°.5/18.3 18

6 10	20 17.59	−21 11.0	2.443	3.264	12.1	21.3
6 20	20 13.36	−21 28.3	2.348	3.255	9.5	21.1
6 30	20 7.22	−21 50.3	2.275	3.245	6.4	20.9
7 10	19 59.64	−22 14.4	2.228	3.235	3.0	20.7
7 20	19 51.25	−22 38.0	2.209	3.225	0.8	20.5
7 30	19 42.87	−22 58.6	2.219	3.214	4.2	20.7
8 9	19 35.32	−23 14.5	2.255	3.204	7.6	20.9
8 19	19 29.29	−23 24.8	2.317	3.193	10.7	21.1

94320 2001 FH_{109} 7 18.6 134°.17 2°.3/17.3 18 R

6 10	20 18.02	−26 55.4	2.582	3.407	11.5	19.6
6 20	20 13.54	−27 24.4	2.504	3.412	8.9	19.5
6 30	20 7.23	−27 54.3	2.448	3.417	6.1	19.3
7 10	19 59.59	−28 22.0	2.419	3.421	3.3	19.1
7 20	19 51.27	−28 44.4	2.417	3.426	2.4	19.1
7 30	19 43.08	−28 59.1	2.444	3.430	4.8	19.2
8 9	19 35.79	−29 5.3	2.498	3.434	7.6	19.4
8 19	19 30.02	−29 3.1	2.576	3.438	10.2	19.6

366654 2003 SP_{325} 7 18.6 0°.85 2°.8/19.6 17

6 10	20 11.72	−14 7.0	1.003	1.878	21.6	20.3
6 20	20 10.84	−14 4.8	0.941	1.875	17.4	20.0
6 30	20 6.57	−14 20.8	0.895	1.873	12.3	19.8
7 10	19 59.64	−14 53.9	0.867	1.873	6.7	19.5
7 20	19 51.25	−15 39.9	0.860	1.874	2.8	19.2
7 30	19 43.03	−16 32.7	0.874	1.877	7.1	19.5
8 9	19 36.64	−17 25.5	0.909	1.881	12.6	19.8
8 19	19 33.21	−18 13.0	0.962	1.887	17.6	20.1

298599 2003 YN_{124} 7 18.6 300°.85 1°.2/18.1 18

6 10	20 19.10	−23 17.4	1.854	2.691	14.8	21.1
6 20	20 15.18	−23 28.3	1.766	2.682	11.6	20.9
6 30	20 8.79	−23 43.2	1.700	2.673	7.9	20.6
7 10	20 0.49	−23 58.7	1.657	2.664	3.8	20.4
7 20	19 51.13	−24 11.5	1.641	2.655	1.5	20.2
7 30	19 41.84	−24 18.8	1.651	2.647	5.4	20.4
8 9	19 33.72	−24 19.1	1.687	2.638	9.5	20.7
8 19	19 27.66	−24 12.4	1.746	2.630	13.2	20.9

254067 2004 HO_{32} 7 18.6 266°.94 22°.3/26.9 17

6 10	20 17.87	+19 14.6	1.257	1.955	27.2	20.5
6 20	20 15.41	+21 39.6	1.187	1.942	25.9	20.3
6 30	20 9.69	+23 32.3	1.128	1.929	24.5	20.1
7 10	20 1.23	+24 40.7	1.081	1.916	23.3	20.0
7 20	19 50.97	+24 54.5	1.047	1.902	22.4	19.9
7 30	19 40.39	+24 8.2	1.027	1.888	22.3	19.8
8 9	19 31.17	+22 24.4	1.023	1.874	22.9	19.8
8 19	19 24.67	+19 52.9	1.033	1.860	24.3	19.9

121279 1999 RQ_{143} 7 18.6 263°.36 5°.9/21.5 18

6 10	20 16.43	− 4 19.1	1.960	2.745	15.9	20.1
6 20	20 12.84	− 4 1.1	1.865	2.735	13.4	19.9
6 30	20 7.10	− 3 59.2	1.790	2.724	10.5	19.7
7 10	19 59.67	− 4 14.9	1.738	2.713	7.6	19.5
7 20	19 51.27	− 4 47.8	1.710	2.702	5.9	19.4
7 30	19 42.81	− 5 35.8	1.708	2.690	6.9	19.4
8 9	19 35.25	− 6 34.9	1.732	2.679	9.7	19.6
8 19	19 29.40	− 7 40.3	1.780	2.667	12.8	19.7

36168 1999 RF_{233} 7 18.6 283°.49 0°.7/19.0 18

6 10	20 15.46	−16 7.0	2.243	3.062	13.1	18.6
6 20	20 11.87	−16 38.0	2.149	3.053	10.4	18.3
6 30	20 6.32	−17 18.6	2.076	3.044	7.1	18.1
7 10	19 59.27	−18 6.5	2.029	3.034	3.5	17.9
7 20	19 51.34	−18 58.6	2.009	3.025	0.8	17.7
7 30	19 43.38	−19 51.0	2.018	3.016	4.3	17.9
8 9	19 36.24	−20 40.5	2.053	3.007	7.9	18.1
8 19	19 30.65	−21 24.6	2.113	2.997	11.2	18.3

175731 1998 DW_{36} 7 18.6 58°.40 0°.1/18.6 17

6 10	20 21.37	−18 33.3	1.273	2.124	19.4	20.1
6 20	20 17.51	−18 56.7	1.221	2.144	15.1	19.9
6 30	20 10.53	−19 31.1	1.187	2.163	10.2	19.7
7 10	20 1.30	−20 12.1	1.175	2.183	4.8	19.5
7 20	19 51.03	−20 54.1	1.187	2.203	0.8	19.2
7 30	19 41.23	−21 32.0	1.223	2.223	6.2	19.7
8 9	19 33.27	−22 2.5	1.283	2.243	11.0	20.0
8 19	19 28.05	−22 24.1	1.365	2.264	15.2	20.3

67069 2000 AQ_1 7 18.6 256°.04 0°.5/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 22.36	−22 41.5	2.104	2.927	13.8	18.7
6 20	20 17.46	−22 36.2	2.003	2.911	10.9	18.5
6 30	20 10.21	−22 33.4	1.924	2.894	7.4	18.3
7 10	20 1.14	−22 30.8	1.871	2.877	3.5	18.0
7 20	19 51.04	−22 25.9	1.844	2.860	0.9	17.8
7 30	19 40.93	−22 17.1	1.846	2.843	4.9	18.0
8 9	19 31.85	−22 3.5	1.875	2.825	8.9	18.2
8 19	19 24.67	−21 45.6	1.928	2.806	12.4	18.4

450034 2015 RD_1 7 18.6 300°.43 3°.7/20.7 18

6 10	20 14.13	− 8 26.4	2.269	3.066	13.7	20.8
6 20	20 10.73	− 8 25.4	2.174	3.057	11.2	20.6
6 30	20 5.49	− 8 36.9	2.100	3.048	8.3	20.4
7 10	19 58.86	− 9 0.7	2.050	3.039	5.5	20.2
7 20	19 51.43	− 9 35.7	2.026	3.030	3.7	20.1
7 30	19 43.98	−10 19.4	2.030	3.021	5.1	20.2
8 9	19 37.32	−11 8.6	2.060	3.012	8.0	20.3
8 19	19 32.11	−11 59.8	2.115	3.003	11.0	20.5

442592 2012 CS_{25} 7 18.6 216°.80 5°.7/22.7 18

6 10	20 14.14	+ 0 34.9	2.850	3.590	12.5	21.5
6 20	20 10.29	+ 0 43.7	2.752	3.584	10.7	21.3
6 30	20 4.96	+ 0 38.3	2.675	3.578	8.7	21.2
7 10	19 58.53	+ 0 17.9	2.622	3.572	6.8	21.1
7 20	19 51.49	− 0 17.4	2.595	3.565	5.7	21.0
7 30	19 44.45	− 1 5.9	2.595	3.558	6.1	21.0
8 9	19 38.01	− 2 4.8	2.623	3.551	7.7	21.1
8 19	19 32.72	− 3 10.5	2.676	3.544	9.7	21.2

381893 2010 BA_1 7 18.6 219°.82 3°.1/16.7 18

6 10	20 20.83	−25 26.6	2.067	2.897	13.7	21.1
6 20	20 16.46	−26 35.1	1.979	2.891	10.8	20.9
6 30	20 9.66	−27 49.2	1.914	2.884	7.4	20.6
7 10	20 0.94	−29 3.4	1.874	2.876	4.2	20.4
7 20	19 51.08	−30 11.8	1.862	2.869	3.4	20.4
7 30	19 41.15	−31 8.9	1.878	2.861	6.3	20.5
8 9	19 32.25	−31 51.7	1.920	2.852	9.8	20.7
8 19	19 25.29	−32 19.8	1.986	2.843	13.0	20.9

143281 2003 AJ_{25} 7 18.6 244°.26 1°.4/19.1 18

6 10	20 21.22	−17 20.1	1.785	2.611	15.7	20.3
6 20	20 16.87	−17 10.5	1.694	2.601	12.5	20.1
6 30	20 9.97	−17 8.4	1.624	2.592	8.7	19.8
7 10	20 1.09	−17 12.3	1.578	2.582	4.5	19.5
7 20	19 51.08	−17 20.3	1.557	2.572	1.5	19.3
7 30	19 41.08	−17 29.8	1.564	2.562	5.3	19.5
8 9	19 32.26	−17 39.0	1.596	2.551	9.6	19.8
8 19	19 25.53	−17 46.5	1.651	2.540	13.6	20.0

434364 2004 TD_{57} 7 18.6 303°.88 6°.0/20.8 17

6 10	20 15.83	− 7 16.2	1.622	2.435	17.6	21.3
6 20	20 12.92	− 6 43.7	1.526	2.416	14.7	21.1
6 30	20 7.48	− 6 26.5	1.450	2.398	11.3	20.8
7 10	19 59.99	− 6 26.5	1.394	2.379	7.9	20.6
7 20	19 51.25	− 6 44.2	1.363	2.361	6.0	20.4
7 30	19 42.36	− 7 18.0	1.356	2.344	7.5	20.5
8 9	19 34.54	− 8 3.9	1.373	2.326	11.0	20.6
8 19	19 28.76	− 8 57.2	1.411	2.310	14.8	20.8

384890 2012 TL_{10} 7 18.6 346°.57 0°.6/18.3 17

6 10	20 8.27	−18 10.4	1.114	1.995	19.5	19.0
6 20	20 8.09	−18 51.0	1.039	1.979	15.5	18.7
6 30	20 4.77	−19 48.3	0.981	1.964	10.6	18.4
7 10	19 58.88	−20 58.1	0.942	1.952	5.0	18.0
7 20	19 51.43	−22 13.7	0.925	1.941	1.2	17.7
7 30	19 43.93	−23 26.4	0.931	1.933	7.0	18.1
8 9	19 37.99	−24 29.0	0.957	1.926	12.6	18.4
8 19	19 34.85	−25 17.1	1.002	1.921	17.6	18.6

35560 1998 FU_{130} 7 18.6 29°.70 1°.8/19.3 18

6 10	20 17.40	−15 27.3	1.554	2.391	17.1	19.2
6 20	20 14.04	−15 31.6	1.483	2.396	13.6	18.9
6 30	20 8.08	−15 47.3	1.432	2.402	9.4	18.7
7 10	20 0.16	−16 12.6	1.403	2.408	4.9	18.5
7 20	19 51.25	−16 44.3	1.399	2.414	1.8	18.3
7 30	19 42.51	−17 18.7	1.421	2.421	5.5	18.5
8 9	19 35.13	−17 52.1	1.467	2.428	9.9	18.8
8 19	19 29.97	−18 21.8	1.536	2.435	13.8	19.1

471609 2012 SU_{33} 7 18.6 292°.38 7°.9/21.9 18

6 10	20 15.73	− 1 38.8	1.772	2.555	17.5	21.9
6 20	20 12.65	− 1 0.5	1.671	2.534	15.0	21.7
6 30	20 7.21	− 0 40.0	1.588	2.512	12.2	21.4
7 10	19 59.84	− 0 40.6	1.527	2.491	9.5	21.2
7 20	19 51.28	− 1 3.7	1.488	2.469	8.0	21.1
7 30	19 42.52	− 1 48.4	1.475	2.448	8.7	21.1
8 9	19 34.68	− 2 50.8	1.485	2.426	11.4	21.2
8 19	19 28.68	− 4 5.1	1.517	2.405	14.6	21.3

395267 2010 SC_2 7 18.6 104°.39 5°.0/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 15.92	− 5 48.1	2.322	3.103	13.9	20.8
6 20	20 11.94	− 5 18.6	2.239	3.107	11.5	20.6
6 30	20 6.19	− 5 1.3	2.177	3.110	8.9	20.5
7 10	19 59.15	− 4 56.9	2.138	3.113	6.4	20.3
7 20	19 51.42	− 5 5.5	2.126	3.117	5.0	20.2
7 30	19 43.79	− 5 25.6	2.141	3.120	5.9	20.3
8 9	19 36.99	− 5 54.9	2.182	3.123	8.3	20.4
8 19	19 31.63	− 6 30.2	2.247	3.126	10.8	20.6

343643 2010 JF_{49} 7 18.6 282°.78 8°.5/14.3 18

6 10	20 25.91	−40 15.2	1.899	2.724	15.0	20.5
6 20	20 21.37	−41 26.7	1.805	2.699	12.6	20.3
6 30	20 13.56	−42 33.5	1.732	2.673	10.3	20.1
7 10	20 3.00	−43 27.0	1.683	2.648	8.7	19.9
7 20	19 50.76	−43 59.0	1.658	2.622	8.8	19.9
7 30	19 38.35	−44 4.4	1.658	2.596	10.7	19.9
8 9	19 27.41	−43 42.7	1.681	2.570	13.5	20.1
8 19	19 19.22	−42 57.7	1.724	2.543	16.3	20.2

262291 2006 SW_{392} 7 18.6 123°.45 3°.2/20.0 18

6 10	20 19.67	−11 43.4	1.650	2.469	17.1	20.6
6 20	20 15.65	−11 44.5	1.575	2.474	13.8	20.3
6 30	20 9.11	−11 59.5	1.519	2.480	9.9	20.1
7 10	20 0.65	−12 27.4	1.487	2.485	5.7	19.9
7 20	19 51.19	−13 5.7	1.479	2.490	3.2	19.7
7 30	19 41.87	−13 50.6	1.498	2.495	5.7	19.9
8 9	19 33.82	−14 37.7	1.543	2.500	9.8	20.2
8 19	19 27.90	−15 23.3	1.610	2.504	13.5	20.4

115603 2003 UB_{100} 7 18.6 43°.31 3°.5/17.1 18

6 10	20 19.42	−23 4.0	1.178	2.044	19.6	18.4
6 20	20 16.50	−24 20.2	1.127	2.059	15.3	18.2
6 30	20 10.18	−25 45.9	1.094	2.074	10.3	17.9
7 10	20 1.27	−27 12.4	1.084	2.091	5.4	17.7
7 20	19 51.09	−28 30.1	1.096	2.107	3.8	17.7
7 30	19 41.31	−29 31.3	1.133	2.125	8.0	18.0
8 9	19 33.49	−30 12.4	1.192	2.143	12.6	18.3
8 19	19 28.66	−30 34.1	1.270	2.161	16.7	18.6

340377 2006 DE_{189} 7 18.6 281°.78 0°.6/18.9 18

6 10	20 18.39	−17 42.5	1.812	2.642	15.3	21.3
6 20	20 14.57	−17 56.3	1.729	2.640	12.1	21.1
6 30	20 8.36	−18 18.8	1.667	2.638	8.3	20.9
7 10	20 0.30	−18 47.8	1.629	2.636	4.1	20.6
7 20	19 51.25	−19 19.9	1.618	2.633	0.8	20.4
7 30	19 42.27	−19 51.7	1.632	2.631	5.0	20.7
8 9	19 34.43	−20 20.1	1.673	2.629	9.2	20.9
8 19	19 28.59	−20 43.5	1.737	2.627	12.9	21.2

171787 2001 CG_2 7 18.6 197°.42 0°.6/18.3 17

6 10	20 22.22	−19 42.6	1.877	2.702	15.1	20.7
6 20	20 17.58	−20 19.3	1.791	2.700	11.9	20.4
6 30	20 10.43	−21 4.6	1.726	2.697	8.1	20.2
7 10	20 1.31	−21 54.7	1.686	2.693	3.8	19.9
7 20	19 51.08	−22 44.9	1.673	2.689	1.0	19.7
7 30	19 40.85	−23 30.6	1.688	2.684	5.3	20.0
8 9	19 31.78	−24 8.6	1.729	2.678	9.5	20.3
8 19	19 24.76	−24 37.4	1.794	2.672	13.2	20.5

11912 Piedade 7 18.6 12°.96 3°.1/19.7 18

6 10	20 15.63	−13 50.1	1.133	1.992	20.7	17.2
6 20	20 13.51	−13 41.0	1.070	1.994	16.6	16.9
6 30	20 8.18	−13 48.0	1.024	1.998	11.8	16.7
7 10	20 0.37	−14 10.2	0.998	2.002	6.5	16.4
7 20	19 51.26	−14 44.3	0.994	2.007	3.1	16.2
7 30	19 42.38	−15 25.4	1.012	2.013	6.8	16.5
8 9	19 35.25	−16 8.1	1.052	2.020	11.9	16.8
8 19	19 30.90	−16 48.0	1.113	2.028	16.5	17.1

263391 2008 DA 7 18.6 235°.65 1°.3/19.4 18

6 10	20 16.14	−14 18.7	2.318	3.129	13.0	20.9
6 20	20 12.30	−14 43.8	2.226	3.124	10.3	20.7
6 30	20 6.57	−15 19.0	2.156	3.119	7.2	20.5
7 10	19 59.40	−16 2.2	2.111	3.113	3.8	20.2
7 20	19 51.42	−16 50.8	2.093	3.108	1.4	20.1
7 30	19 43.43	−17 41.5	2.104	3.102	4.2	20.3
8 9	19 36.26	−18 30.9	2.143	3.096	7.7	20.5
8 19	19 30.59	−19 16.4	2.206	3.090	10.8	20.6

106633 2000 WP_{131} 7 18.6 162°.06 4°.4/15.9 18

6 10	20 22.05	−28 53.0	2.084	2.914	13.6	19.7
6 20	20 17.39	−30 13.9	2.009	2.918	10.7	19.5
6 30	20 10.27	−31 37.4	1.956	2.922	7.6	19.3
7 10	20 1.23	−32 57.2	1.930	2.925	5.0	19.2
7 20	19 51.12	−34 6.6	1.931	2.928	4.7	19.2
7 30	19 41.02	−35 0.7	1.959	2.931	7.0	19.3
8 9	19 32.07	−35 37.3	2.014	2.933	10.1	19.5
8 19	19 25.14	−35 57.0	2.091	2.935	13.0	19.7

329839 2004 TC_{35} 7 18.6 278°.43 0°.5/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 16.57	−18 20.9	2.441	3.259	12.2	22.0
6 20	20 12.62	−18 27.3	2.337	3.241	9.7	21.8
6 30	20 6.80	−18 39.7	2.255	3.223	6.6	21.6
7 10	19 59.52	−18 56.3	2.199	3.204	3.3	21.4
7 20	19 51.40	−19 15.1	2.170	3.185	0.7	21.1
7 30	19 43.23	−19 33.9	2.169	3.167	4.1	21.4
8 9	19 35.82	−19 50.8	2.196	3.148	7.6	21.5
8 19	19 29.86	−20 4.5	2.247	3.129	10.7	21.7

291102 2005 YK_{154} 7 18.6 264°.89 0°.8/18.3 18

6 10	20 19.41	−23 33.9	2.533	3.352	11.8	21.3
6 20	20 14.76	−23 33.7	2.430	3.336	9.3	21.1
6 30	20 8.18	−23 35.3	2.351	3.320	6.3	20.8
7 10	20 0.15	−23 36.5	2.297	3.303	3.0	20.6
7 20	19 51.31	−23 35.4	2.271	3.286	1.0	20.4
7 30	19 42.47	−23 30.1	2.274	3.269	4.2	20.6
8 9	19 34.47	−23 20.1	2.305	3.252	7.6	20.8
8 19	19 27.99	−23 5.5	2.361	3.235	10.6	21.0

306868 2001 SM_{272} 7 18.6 259°.31 1°.0/18.9 17

6 10	20 21.02	−16 37.7	1.505	2.341	17.7	21.4
6 20	20 17.38	−16 54.4	1.412	2.326	14.1	21.1
6 30	20 10.75	−17 23.6	1.339	2.310	9.8	20.8
7 10	20 1.66	−18 2.9	1.288	2.294	4.9	20.5
7 20	19 51.04	−18 48.3	1.262	2.278	1.1	20.2
7 30	19 40.24	−19 34.7	1.262	2.261	6.1	20.5
8 9	19 30.72	−20 17.4	1.286	2.244	11.2	20.7
8 19	19 23.66	−20 53.7	1.332	2.227	15.8	20.9

440719 2005 YT_{286} 7 18.6 248°.89 0°.6/19.1 18

6 10	20 15.47	−15 53.9	2.610	3.420	11.8	21.4
6 20	20 11.61	−16 27.7	2.511	3.411	9.3	21.2
6 30	20 6.03	−17 10.1	2.436	3.401	6.4	21.0
7 10	19 59.14	−17 59.0	2.386	3.390	3.2	20.8
7 20	19 51.48	−18 51.5	2.364	3.380	0.7	20.5
7 30	19 43.78	−19 44.4	2.372	3.369	3.8	20.8
8 9	19 36.77	−20 34.7	2.407	3.359	7.1	21.0
8 19	19 31.07	−21 20.3	2.469	3.348	10.0	21.1

510420 2011 UH_{275} 7 18.6 135°.82 3°.4/16.5 17

6 10	20 20.50	−31 42.0	2.921	3.737	10.5	22.2
6 20	20 15.29	−32 21.0	2.850	3.750	8.3	22.0
6 30	20 8.34	−32 58.3	2.803	3.762	5.9	21.9
7 10	20 0.14	−33 30.2	2.782	3.774	3.9	21.8
7 20	19 51.34	−33 53.6	2.790	3.786	3.5	21.8
7 30	19 42.68	−34 6.6	2.826	3.797	5.2	21.9
8 9	19 34.92	−34 8.6	2.890	3.808	7.5	22.0
8 19	19 28.64	−34 0.5	2.979	3.818	9.6	22.2

326636 2002 SX_{23} 7 18.6 284°.94 8°.6/13.9 18

6 10	20 23.60	−35 48.5	1.590	2.434	16.5	20.2
6 20	20 20.14	−37 28.4	1.499	2.409	13.6	20.0
6 30	20 13.12	−39 10.1	1.429	2.385	10.8	19.7
7 10	20 3.00	−40 43.2	1.382	2.360	8.8	19.6
7 20	19 50.81	−41 56.6	1.359	2.335	9.1	19.5
7 30	19 38.21	−42 42.1	1.360	2.309	11.6	19.6
8 9	19 27.09	−42 57.0	1.383	2.284	15.0	19.7
8 19	19 18.98	−42 44.0	1.425	2.259	18.4	19.9

251913 1999 VJ_{153} 7 18.6 311°.63 4°.7/20.6 18

6 10	20 14.90	− 8 29.1	2.085	2.886	14.6	20.5
6 20	20 11.55	− 7 59.4	1.987	2.871	12.1	20.3
6 30	20 6.19	− 7 41.1	1.910	2.856	9.1	20.1
7 10	19 59.27	− 7 35.0	1.857	2.842	6.3	19.9
7 20	19 51.47	− 7 41.2	1.828	2.827	4.7	19.8
7 30	19 43.61	− 7 58.6	1.826	2.813	6.0	19.8
8 9	19 36.61	− 8 24.7	1.850	2.800	8.9	20.0
8 19	19 31.19	− 8 56.6	1.897	2.786	12.1	20.1

225734 2001 RQ_{141} 7 18.6 292°.39 1°.7/19.4 15

6 10	20 17.18	−14 20.8	1.607	2.439	16.9	20.9
6 20	20 14.20	−14 39.5	1.508	2.418	13.6	20.6
6 30	20 8.51	−15 12.5	1.428	2.397	9.6	20.3
7 10	20 0.59	−15 58.3	1.371	2.376	5.1	20.0
7 20	19 51.25	−16 53.6	1.339	2.354	1.8	19.7
7 30	19 41.67	−17 53.3	1.333	2.333	5.7	19.9
8 9	19 33.17	−18 52.2	1.352	2.312	10.6	20.1
8 19	19 26.85	−19 46.0	1.392	2.291	15.0	20.4

210571 1999 TU_{257} 7 18.6 137°.51 18°.7/29.3 18

6 10	20 19.56	+16 47.6	1.279	1.987	26.4	20.0
6 20	20 16.35	+18 30.9	1.219	1.991	24.5	19.9
6 30	20 10.04	+19 38.4	1.170	1.995	22.4	19.7
7 10	20 1.29	+20 0.5	1.136	1.999	20.5	19.6
7 20	19 51.15	+19 30.9	1.116	2.003	19.1	19.5
7 30	19 41.09	+18 9.0	1.114	2.006	18.7	19.5
8 9	19 32.57	+16 1.9	1.130	2.009	19.3	19.6
8 19	19 26.72	+13 22.1	1.163	2.012	20.8	19.7

146916 2002 CG_{210} 7 18.6 154°.14 0°.6/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 17.86	−21 27.6	2.557	3.376	11.7	21.1
6 20	20 13.40	−21 45.9	2.475	3.380	9.1	20.9
6 30	20 7.17	−22 8.2	2.415	3.384	6.2	20.7
7 10	19 59.64	−22 32.0	2.382	3.388	2.9	20.5
7 20	19 51.45	−22 54.7	2.376	3.392	0.8	20.4
7 30	19 43.36	−23 14.2	2.400	3.395	4.0	20.6
8 9	19 36.12	−23 28.9	2.451	3.398	7.2	20.8
8 19	19 30.34	−23 38.3	2.527	3.401	10.0	21.0

257224 2009 DZ_{6} 7 18.6 34°.16 19°.3/18.3 17

6 10	20 53.25	−61 27.7	1.223	2.001	24.0	19.1
6 20	20 46.27	−62 44.7	1.190	2.012	22.2	19.0
6 30	20 31.59	−63 31.2	1.171	2.024	20.7	18.9
7 10	20 11.39	−63 30.1	1.166	2.037	19.6	18.9
7 20	19 49.70	−62 31.1	1.178	2.050	19.3	18.9
7 30	19 31.01	−60 35.4	1.208	2.064	19.9	19.0
8 9	19 18.16	−57 56.1	1.255	2.079	21.1	19.1
8 19	19 11.73	−54 50.2	1.319	2.095	22.6	19.3

395263 2010 RT_{101} 7 18.6 10°.09 7°.6/22.2 18

6 10	20 13.29	− 2 14.1	1.733	2.526	17.4	20.7
6 20	20 10.52	− 1 30.7	1.660	2.528	14.8	20.5
6 30	20 5.58	− 1 5.5	1.604	2.531	11.9	20.4
7 10	19 59.00	− 1 0.9	1.570	2.535	9.2	20.2
7 20	19 51.58	− 1 17.3	1.559	2.540	7.7	20.1
7 30	19 44.26	− 1 53.2	1.573	2.546	8.3	20.2
8 9	19 38.02	− 2 44.2	1.610	2.552	10.6	20.3
8 19	19 33.59	− 3 45.0	1.669	2.559	13.4	20.5

436584 2011 JA_{2} 7 18.6 149°.98 0°.2/18.7 17

6 10	20 20.79	−17 46.4	2.107	2.924	14.0	21.8
6 20	20 16.05	−18 16.1	2.029	2.932	11.0	21.7
6 30	20 9.15	−18 54.0	1.972	2.940	7.4	21.5
7 10	20 0.66	−19 37.2	1.941	2.947	3.6	21.2
7 20	19 51.32	−20 21.9	1.938	2.954	0.6	21.0
7 30	19 42.10	−21 4.6	1.963	2.960	4.5	21.3
8 9	19 33.93	−21 42.4	2.015	2.966	8.3	21.6
8 19	19 27.55	−22 13.6	2.092	2.971	11.6	21.8

250361 2003 SS_{272} 7 18.6 250°.48 2°.9/19.6 17

6 10	20 21.16	−14 20.0	1.588	2.414	17.3	21.1
6 20	20 17.13	−13 59.6	1.500	2.406	14.0	20.9
6 30	20 10.35	−13 49.5	1.433	2.397	10.0	20.6
7 10	20 1.39	−13 49.5	1.388	2.388	5.6	20.4
7 20	19 51.19	−13 58.0	1.367	2.379	2.9	20.2
7 30	19 40.99	−14 12.7	1.373	2.370	6.1	20.3
8 9	19 32.08	−14 30.9	1.404	2.361	10.5	20.6
8 19	19 25.45	−14 50.1	1.456	2.351	14.7	20.8

118997 2000 YU_{39} 7 18.6 167°.81 0°.1/18.6 18

6 10	20 17.37	−20 1.6	2.707	3.521	11.3	20.9
6 20	20 12.93	−20 15.9	2.621	3.524	8.8	20.7
6 30	20 6.82	−20 34.6	2.559	3.526	6.0	20.5
7 10	19 59.49	−20 55.7	2.523	3.529	2.8	20.3
7 20	19 51.53	−21 16.9	2.515	3.531	0.5	20.1
7 30	19 43.65	−21 36.2	2.536	3.532	3.7	20.4
8 9	19 36.56	−21 52.1	2.585	3.533	6.8	20.6
8 19	19 30.81	−22 3.8	2.659	3.535	9.5	20.8

482186 2010 UC_{57} 7 18.6 342°.59 2°.9/19.9 18

6 10	20 16.70	−12 51.6	2.232	3.040	13.6	21.2
6 20	20 12.71	−12 28.3	2.145	3.038	10.9	21.1
6 30	20 6.83	−12 13.1	2.080	3.037	7.9	20.9
7 10	19 59.54	−12 6.1	2.040	3.036	4.7	20.7
7 20	19 51.53	−12 6.4	2.026	3.034	2.9	20.5
7 30	19 43.59	−12 12.8	2.040	3.033	4.8	20.7
8 9	19 36.55	−12 23.5	2.080	3.032	7.9	20.9
8 19	19 31.06	−12 36.6	2.145	3.032	11.0	21.1

198461 2004 XG_{16} 7 18.6 235°.59 10°.2/24.6 18

6 10	20 16.69	+ 9 2.4	2.211	2.914	16.6	20.2
6 20	20 12.85	+ 9 47.7	2.117	2.904	14.9	20.1
6 30	20 7.04	+10 12.4	2.041	2.894	13.1	19.9
7 10	19 59.71	+10 12.8	1.984	2.883	11.4	19.8
7 20	19 51.50	+ 9 46.9	1.950	2.872	10.3	19.7
7 30	19 43.22	+ 8 55.0	1.940	2.861	10.4	19.7
8 9	19 35.73	+ 7 40.7	1.954	2.850	11.5	19.7
8 19	19 29.76	+ 6 9.5	1.991	2.838	13.4	19.8

435305 2007 UN_{44} 7 18.6 335°.76 9°.6/14.4 18

6 10	20 23.65	−41 49.4	1.667	2.502	16.3	20.2
6 20	20 19.82	−43 4.3	1.598	2.495	13.7	20.0
6 30	20 12.53	−44 11.0	1.549	2.489	11.3	19.8
7 10	20 2.52	−45 0.3	1.522	2.483	9.8	19.7
7 20	19 51.05	−45 24.2	1.518	2.477	9.9	19.7
7 30	19 39.78	−45 18.7	1.537	2.472	11.6	19.8
8 9	19 30.37	−44 45.1	1.577	2.467	14.1	20.0
8 19	19 23.98	−43 48.4	1.638	2.463	16.8	20.1

490139 2008 UQ_{143} 7 18.6 285°.15 3°.2/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 19.91	−26 13.2	1.795	2.636	15.0	21.9
6 20	20 16.22	−26 55.8	1.700	2.618	11.9	21.7
6 30	20 9.81	−27 43.0	1.626	2.599	8.2	21.4
7 10	20 1.20	−28 29.7	1.576	2.580	4.6	21.1
7 20	19 51.25	−29 10.2	1.552	2.561	3.4	21.0
7 30	19 41.16	−29 39.7	1.554	2.542	6.7	21.2
8 9	19 32.25	−29 55.7	1.581	2.524	10.7	21.4
8 19	19 25.54	−29 58.2	1.631	2.505	14.5	21.6

116218 2003 XQ_{42} 7 18.6 218°.91 5°.4/15.9 18

6 10	20 24.38	−35 49.6	2.377	3.195	12.5	20.7
6 20	20 19.06	−36 35.9	2.291	3.187	10.2	20.6
6 30	20 11.33	−37 18.7	2.227	3.179	7.7	20.4
7 10	20 1.76	−37 52.4	2.189	3.171	5.8	20.3
7 20	19 51.19	−38 12.4	2.178	3.162	5.6	20.2
7 30	19 40.70	−38 15.7	2.194	3.152	7.3	20.3
8 9	19 31.35	−38 2.2	2.236	3.143	9.8	20.5
8 19	19 23.99	−37 34.1	2.302	3.132	12.4	20.6

88233 2001 BJ_{73} 7 18.6 335°.68 0°.3/18.7 18

6 10	20 26.19	−24 21.4	1.889	2.713	15.0	17.7
6 20	20 20.55	−23 19.4	1.795	2.702	11.9	17.5
6 30	20 12.34	−22 14.2	1.722	2.692	8.2	17.2
7 10	20 2.22	−21 4.8	1.675	2.682	3.9	16.9
7 20	19 51.13	−19 51.7	1.656	2.672	0.7	16.7
7 30	19 40.27	−18 36.4	1.666	2.663	5.1	17.0
8 9	19 30.77	−17 21.6	1.703	2.655	9.4	17.2
8 19	19 23.48	−16 9.8	1.765	2.648	13.1	17.4

125480 2001 WY_{17} 7 18.6 180°.04 1°.4/19.1 17

6 10	20 23.60	−16 50.9	1.613	2.440	17.1	19.9
6 20	20 18.93	−16 48.5	1.534	2.441	13.6	19.6
6 30	20 11.49	−16 55.4	1.474	2.442	9.4	19.4
7 10	20 1.91	−17 9.8	1.437	2.442	4.8	19.1
7 20	19 51.18	−17 28.6	1.427	2.442	1.5	18.9
7 30	19 40.57	−17 48.8	1.442	2.441	5.6	19.2
8 9	19 31.36	−18 7.7	1.484	2.440	10.2	19.4
8 19	19 24.50	−18 23.5	1.548	2.438	14.2	19.7

519781 2013 EB_{158} 7 18.6 144°.64 3°.9/16.2 18

6 10	20 20.24	−32 36.5	2.781	3.600	10.9	22.2
6 20	20 15.29	−33 21.7	2.707	3.608	8.6	22.0
6 30	20 8.47	−34 4.9	2.657	3.616	6.3	21.9
7 10	20 0.30	−34 42.2	2.634	3.623	4.3	21.8
7 20	19 51.45	−35 10.0	2.638	3.630	4.0	21.8
7 30	19 42.72	−35 26.0	2.670	3.637	5.7	21.9
8 9	19 34.90	−35 29.7	2.730	3.643	8.0	22.1
8 19	19 28.64	−35 22.0	2.813	3.649	10.2	22.2

262974 2007 EK_{12} 7 18.6 195°.40 5°.4/22.5 18

6 10	20 14.88	− 0 9.8	2.896	3.637	12.3	21.5
6 20	20 10.86	− 0 0.7	2.801	3.635	10.4	21.4
6 30	20 5.38	− 0 5.0	2.727	3.632	8.4	21.3
7 10	19 58.83	− 0 23.6	2.677	3.629	6.5	21.1
7 20	19 51.68	− 0 56.1	2.653	3.626	5.4	21.1
7 30	19 44.55	− 1 41.1	2.657	3.622	5.8	21.1
8 9	19 38.03	− 2 35.8	2.688	3.618	7.4	21.2
8 19	19 32.63	− 3 36.8	2.746	3.613	9.5	21.3

42159 2001 BT_{72} 7 18.6 313°.10 5°.1/21.6 18

6 10	20 13.75	− 4 56.8	2.154	2.941	14.6	19.0
6 20	20 10.59	− 4 50.2	2.059	2.931	12.2	18.8
6 30	20 5.53	− 4 58.8	1.984	2.921	9.4	18.6
7 10	19 59.01	− 5 23.2	1.933	2.911	6.7	18.5
7 20	19 51.65	− 6 2.7	1.907	2.901	5.1	18.3
7 30	19 44.26	− 6 54.8	1.907	2.891	6.0	18.4
8 9	19 37.67	− 7 55.7	1.933	2.882	8.7	18.5
8 19	19 32.58	− 9 1.2	1.984	2.873	11.6	18.7

474471 2003 SS_{206} 7 18.6 320°.89 8°.3/15.7 18

6 10	20 22.53	−37 54.5	1.531	2.378	16.9	20.4
6 20	20 19.11	−38 47.2	1.449	2.360	14.0	20.2
6 30	20 12.19	−39 34.2	1.387	2.344	11.0	19.9
7 10	20 2.45	−40 6.9	1.347	2.327	8.7	19.8
7 20	19 51.09	−40 17.4	1.329	2.312	8.5	19.7
7 30	19 39.82	−40 1.2	1.335	2.296	10.7	19.8
8 9	19 30.36	−39 19.0	1.363	2.282	14.0	20.0
8 19	19 23.92	−38 15.8	1.412	2.268	17.3	20.1

66800 1999 TB_{270} 7 18.6 348°.35 1°.3/19.1 18

6 10	20 18.35	−18 15.7	2.044	2.868	14.1	19.1
6 20	20 14.22	−17 53.0	1.959	2.865	11.1	18.9
6 30	20 7.97	−17 35.4	1.895	2.863	7.7	18.7
7 10	20 0.14	−17 21.8	1.857	2.861	3.9	18.5
7 20	19 51.49	−17 11.1	1.844	2.859	1.4	18.3
7 30	19 42.97	−17 2.1	1.860	2.858	4.6	18.5
8 9	19 35.51	−16 54.0	1.901	2.857	8.3	18.8
8 19	19 29.81	−16 45.9	1.967	2.856	11.7	19.0

309715 2008 GL_{114} 7 18.6 62°.97 2°.0/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 17.67	−24 12.8	2.157	2.989	13.1	20.8
6 20	20 13.68	−24 52.5	2.083	2.997	10.2	20.6
6 30	20 7.58	−25 36.1	2.032	3.004	6.9	20.4
7 10	19 59.95	−26 19.5	2.007	3.012	3.5	20.2
7 20	19 51.52	−26 58.7	2.008	3.020	2.2	20.2
7 30	19 43.23	−27 30.4	2.037	3.028	5.1	20.4
8 9	19 35.98	−27 52.6	2.093	3.036	8.4	20.6
8 19	19 30.48	−28 5.2	2.172	3.044	11.5	20.8

293099 2006 XN_{12} 7 18.6 347°.03 2°.1/17.9 17

6 10	20 15.97	−22 28.2	1.223	2.092	18.9	19.8
6 20	20 13.97	−23 2.4	1.151	2.085	14.9	19.5
6 30	20 8.68	−23 45.9	1.098	2.079	10.1	19.2
7 10	20 0.78	−24 33.3	1.065	2.073	5.0	18.9
7 20	19 51.39	−25 18.0	1.055	2.069	2.4	18.8
7 30	19 42.08	−25 53.8	1.068	2.066	7.2	19.0
8 9	19 34.46	−26 17.1	1.103	2.063	12.4	19.3
8 19	19 29.69	−26 27.1	1.158	2.062	16.9	19.6

234881 2002 TS_{50} 7 18.6 222°.44 4°.9/21.9 18

6 10	20 13.82	− 1 24.2	3.378	4.119	10.7	21.3
6 20	20 9.84	− 0 57.2	3.277	4.110	9.1	21.2
6 30	20 4.61	− 0 40.4	3.197	4.101	7.3	21.0
7 10	19 58.45	− 0 34.6	3.142	4.092	5.8	20.9
7 20	19 51.78	− 0 40.1	3.113	4.083	4.9	20.8
7 30	19 45.11	− 0 56.3	3.113	4.073	5.3	20.9
8 9	19 38.93	− 1 21.6	3.140	4.063	6.7	20.9
8 19	19 33.71	− 1 54.0	3.193	4.052	8.5	21.0

399651 2004 RG_{152} 7 18.6 321°.90 1°.4/18.9 17

6 10	20 20.06	−20 9.5	1.826	2.658	15.2	20.3
6 20	20 16.05	−19 24.7	1.724	2.635	12.1	20.0
6 30	20 9.52	−18 41.4	1.643	2.613	8.4	19.7
7 10	20 1.02	−17 59.1	1.586	2.591	4.3	19.5
7 20	19 51.38	−17 17.4	1.555	2.570	1.5	19.2
7 30	19 41.70	−16 36.6	1.551	2.549	5.3	19.4
8 9	19 33.14	−15 57.2	1.573	2.529	9.7	19.6
8 19	19 26.62	−15 19.9	1.617	2.510	13.6	19.8

260338 2004 TP_{229} 7 18.6 359°.98 0°.5/18.9 18

6 10	20 16.29	−18 28.9	2.208	3.032	13.2	21.4
6 20	20 12.50	−18 37.5	2.124	3.032	10.3	21.2
6 30	20 6.76	−18 52.4	2.062	3.031	7.0	21.0
7 10	19 59.58	−19 11.8	2.025	3.031	3.4	20.8
7 20	19 51.62	−19 33.1	2.016	3.031	0.6	20.5
7 30	19 43.75	−19 54.0	2.033	3.032	4.3	20.8
8 9	19 36.81	−20 12.4	2.078	3.032	7.8	21.1
8 19	19 31.48	−20 27.1	2.146	3.033	11.0	21.3

487676 2015 PG_{161} 7 18.6 232°.56 0°.3/18.9 17

6 10	20 16.30	−17 4.8	2.390	3.206	12.5	21.9
6 20	20 12.43	−17 38.2	2.299	3.202	9.8	21.7
6 30	20 6.70	−18 19.9	2.231	3.198	6.7	21.5
7 10	19 59.56	−19 7.5	2.188	3.193	3.3	21.2
7 20	19 51.62	−19 57.8	2.173	3.189	0.5	21.0
7 30	19 43.68	−20 47.4	2.186	3.184	4.1	21.3
8 9	19 36.54	−21 33.2	2.228	3.179	7.5	21.5
8 19	19 30.87	−22 13.2	2.294	3.174	10.6	21.7

329755 2004 EV_{12} 7 18.6 45°.73 0°.4/18.8 17

6 10	20 18.88	−17 24.3	1.342	2.191	18.7	20.2
6 20	20 15.59	−17 50.4	1.282	2.204	14.7	20.0
6 30	20 9.36	−18 28.7	1.242	2.217	10.0	19.7
7 10	20 0.93	−19 15.4	1.223	2.230	4.8	19.5
7 20	19 51.42	−20 5.2	1.228	2.244	0.8	19.2
7 30	19 42.22	−20 52.4	1.259	2.259	5.9	19.6
8 9	19 34.65	−21 33.0	1.313	2.274	10.7	19.9
8 19	19 29.64	−22 4.7	1.388	2.289	14.9	20.2

140527 2001 TN_{174} 7 18.7 253°.95 2°.1/17.5 18

6 10	20 18.46	−24 42.0	2.248	3.077	12.8	20.5
6 20	20 14.38	−25 19.8	2.157	3.069	10.0	20.3
6 30	20 8.16	−26 1.5	2.089	3.060	6.8	20.0
7 10	20 0.30	−26 43.3	2.046	3.050	3.5	19.8
7 20	19 51.51	−27 21.2	2.030	3.041	2.3	19.7
7 30	19 42.71	−27 51.6	2.042	3.032	5.2	19.9
8 9	19 34.84	−28 12.7	2.081	3.022	8.6	20.1
8 19	19 28.68	−28 23.9	2.143	3.013	11.7	20.3

172243 2002 RT_{202} 7 18.7 341°.05 3°.8/17.7 18

6 10	20 20.03	−29 33.1	1.502	2.356	16.8	19.2
6 20	20 16.67	−29 40.7	1.423	2.346	13.3	19.0
6 30	20 10.23	−29 46.7	1.363	2.337	9.4	18.7
7 10	20 1.41	−29 46.2	1.325	2.328	5.4	18.5
7 20	19 51.34	−29 34.7	1.311	2.320	3.9	18.4
7 30	19 41.45	−29 9.8	1.323	2.314	7.2	18.6
8 9	19 33.17	−28 32.1	1.357	2.308	11.5	18.8
8 19	19 27.52	−27 44.4	1.414	2.303	15.4	19.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
184324 2005 GB_{39}			7 18.7 140.°50		0.°8/18.3 17	
	h m	° ′			°	m
6 10	20 24.16	−21 10.8	1.779	2.607	15.7	21.0
6 20	20 19.09	−21 34.9	1.707	2.617	12.3	20.8
6 30	20 11.43	−22 5.3	1.656	2.627	8.3	20.6
7 10	20 1.85	−22 38.0	1.629	2.636	3.9	20.3
7 20	19 51.28	−23 8.9	1.629	2.645	1.1	20.1
7 30	19 40.94	−23 34.3	1.657	2.653	5.4	20.5
8 9	19 31.96	−23 52.2	1.710	2.660	9.5	20.7
8 19	19 25.20	−24 2.1	1.787	2.667	13.2	21.0
181305 2006 QR_{24}			7 18.7 315.°88		4.°1/17.3 18	
6 10	20 19.51	−27 32.7	1.291	2.155	18.4	20.0
6 20	20 16.92	−28 4.9	1.208	2.138	14.7	19.7
6 30	20 10.85	−28 40.7	1.144	2.121	10.3	19.4
7 10	20 1.91	−29 13.5	1.100	2.105	5.8	19.1
7 20	19 51.24	−29 36.4	1.080	2.090	4.4	19.0
7 30	19 40.52	−29 44.0	1.083	2.075	8.3	19.1
8 9	19 31.50	−29 34.5	1.109	2.061	13.2	19.4
8 19	19 25.50	−29 9.8	1.153	2.048	17.7	19.6
255103 2005 US_{67}			7 18.7 267.°79		4.°9/21.4 18	
6 10	20 15.22	− 5 27.9	2.310	3.091	13.9	20.4
6 20	20 11.53	− 5 9.8	2.221	3.089	11.6	20.2
6 30	20 6.06	− 5 4.7	2.153	3.086	8.9	20.0
7 10	19 59.25	− 5 13.3	2.108	3.084	6.4	19.9
7 20	19 51.71	− 5 35.1	2.089	3.081	4.9	19.8
7 30	19 44.20	− 6 8.5	2.097	3.079	5.8	19.8
8 9	19 37.49	− 6 50.5	2.132	3.076	8.2	20.0
8 19	19 32.21	− 7 37.7	2.191	3.074	10.9	20.1
258914 2002 RP_{5}			7 18.7 328.°90		2.°4/19.2 18	
6 10	20 19.03	−17 51.0	1.292	2.144	19.1	19.7
6 20	20 16.12	−17 12.1	1.211	2.133	15.3	19.4
6 30	20 10.03	−16 40.1	1.148	2.122	10.7	19.1
7 10	20 1.42	−16 14.6	1.106	2.111	5.7	18.8
7 20	19 51.37	−15 54.8	1.087	2.101	2.4	18.6
7 30	19 41.37	−15 39.7	1.092	2.092	6.6	18.8
8 9	19 32.95	−15 28.1	1.120	2.084	11.8	19.1
8 19	19 27.23	−15 18.8	1.168	2.077	16.5	19.3
39674 1996 BA_{5}			7 18.7 272.°47		1.°6/17.8 18	
6 10	20 17.45	−23 37.1	2.367	3.194	12.3	19.4
6 20	20 13.51	−24 10.4	2.269	3.180	9.6	19.2
6 30	20 7.55	−24 48.1	2.194	3.165	6.6	19.0
7 10	20 0.03	−25 26.8	2.144	3.150	3.3	18.8
7 20	19 51.60	−26 3.1	2.122	3.135	1.8	18.6
7 30	19 43.11	−26 33.5	2.128	3.120	4.8	18.8
8 9	19 35.46	−26 56.1	2.161	3.105	8.2	19.0
8 19	19 29.38	−27 10.0	2.218	3.090	11.3	19.2
514418 2016 TU_{96}			7 18.7 345.°84		4.°4/16.1 18	
6 10	20 17.87	−29 8.5	1.949	2.791	14.0	20.5
6 20	20 14.37	−30 18.4	1.872	2.788	11.0	20.3
6 30	20 8.39	−31 30.7	1.816	2.785	7.9	20.1
7 10	20 0.50	−32 39.5	1.786	2.783	5.1	19.9
7 20	19 51.53	−33 38.5	1.781	2.781	4.7	19.9
7 30	19 42.58	−34 22.8	1.803	2.779	7.2	20.0
8 9	19 34.78	−34 50.3	1.850	2.778	10.4	20.2
8 19	19 29.02	−35 1.5	1.920	2.776	13.4	20.4
254004 2004 FM_{6}			7 18.7 218.°38		15.°5/27.2 17	
6 10	20 20.96	+13 14.1	1.359	2.079	24.6	21.3
6 20	20 17.52	+14 8.0	1.279	2.073	22.5	21.1
6 30	20 10.99	+14 27.2	1.212	2.066	20.0	20.9
7 10	20 1.93	+14 3.3	1.160	2.059	17.6	20.7
7 20	19 51.29	+12 51.1	1.126	2.051	15.9	20.6
7 30	19 40.48	+10 51.0	1.112	2.042	15.5	20.5
8 9	19 31.00	+ 8 11.8	1.120	2.032	16.8	20.6
8 19	19 24.08	+ 5 7.3	1.148	2.022	19.3	20.7
18458 Caesar			7 18.7 62.°89		4.°3/17.5 18	
6 10	20 25.68	−28 44.1	1.293	2.148	18.9	18.2
6 20	20 21.21	−29 14.9	1.239	2.163	14.9	18.0
6 30	20 13.27	−29 45.8	1.204	2.178	10.3	17.8
7 10	20 2.81	−30 10.0	1.190	2.193	5.9	17.6
7 20	19 51.20	−30 21.3	1.201	2.209	4.5	17.5
7 30	19 40.17	−30 16.5	1.235	2.224	7.9	17.8
8 9	19 31.23	−29 56.2	1.293	2.240	12.2	18.0
8 19	19 25.36	−29 23.9	1.372	2.256	16.1	18.3
467940 2012 CK_{52}			7 18.7 86.°84		0.°1/18.7 17	
6 10	20 23.39	−19 54.3	1.483	2.322	17.7	21.9
6 20	20 18.85	−20 3.4	1.421	2.336	13.9	21.7
6 30	20 11.42	−20 20.1	1.378	2.351	9.4	21.5
7 10	20 1.89	−20 41.1	1.357	2.365	4.5	21.2
7 20	19 51.35	−21 2.4	1.362	2.378	0.7	21.0
7 30	19 41.16	−21 20.4	1.393	2.392	5.7	21.4
8 9	19 32.61	−21 32.9	1.449	2.406	10.3	21.7
8 19	19 26.57	−21 39.4	1.527	2.419	14.3	21.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
509136 2006 AH_{47}			7 18.7 200.°49		1.°9/17.8 17	
	h m	° ′			°	m
6 10	20 22.38	−24 39.5	2.147	2.972	13.5	22.7
6 20	20 17.47	−25 6.5	2.060	2.968	10.6	22.5
6 30	20 10.27	−25 36.6	1.995	2.965	7.2	22.3
7 10	20 1.33	−26 6.2	1.955	2.960	3.6	22.1
7 20	19 51.43	−26 31.3	1.943	2.955	2.1	21.9
7 30	19 41.59	−26 48.9	1.959	2.950	5.2	22.1
8 9	19 32.82	−26 57.6	2.002	2.944	8.8	22.3
8 19	19 25.93	−26 57.4	2.069	2.938	12.1	22.5
60250 1999 VO_{200}			7 18.7 289.°80		2.°0/20.1 18	
6 10	20 15.06	−11 10.0	2.282	3.087	13.4	19.3
6 20	20 11.61	−11 45.4	2.183	3.075	10.8	19.1
6 30	20 6.26	−12 34.1	2.106	3.064	7.7	18.9
7 10	19 59.43	−13 34.5	2.054	3.052	4.4	18.7
7 20	19 51.73	−14 43.6	2.029	3.041	2.0	18.5
7 30	19 43.94	−15 57.3	2.032	3.029	4.3	18.6
8 9	19 36.91	−17 11.2	2.063	3.018	7.8	18.8
8 19	19 31.33	−18 21.4	2.119	3.007	11.0	19.0
290192 2005 SM_{22}			7 18.7 301.°63		0.°3/18.8 16	
6 10	20 16.13	−18 7.8	2.018	2.847	14.0	21.4
6 20	20 12.83	−18 27.6	1.916	2.826	11.1	21.2
6 30	20 7.30	−18 55.9	1.835	2.806	7.7	20.9
7 10	20 0.01	−19 30.7	1.779	2.785	3.7	20.6
7 20	19 51.64	−20 8.7	1.749	2.765	0.6	20.3
7 30	19 43.14	−20 46.4	1.746	2.745	4.8	20.6
8 9	19 35.54	−21 20.7	1.769	2.725	8.9	20.8
8 19	19 29.67	−21 49.5	1.816	2.705	12.5	21.0
383954 2008 TG_{1}			7 18.7 183.°27		4.°9/16.4 18	
6 10	20 25.69	−34 32.9	2.301	3.119	12.9	21.7
6 20	20 20.04	−35 11.8	2.221	3.119	10.4	21.6
6 30	20 11.98	−35 47.1	2.164	3.119	7.7	21.4
7 10	20 2.12	−36 13.6	2.132	3.119	5.5	21.3
7 20	19 51.33	−36 27.0	2.128	3.118	5.1	21.2
7 30	19 40.72	−36 24.6	2.151	3.116	7.0	21.3
8 9	19 31.34	−36 6.7	2.200	3.114	9.6	21.5
8 19	19 24.01	−35 35.6	2.273	3.112	12.2	21.7
521512 2015 OV_{96}			7 18.7 307.°22		0.°1/18.6 18	
6 10	20 15.65	−19 10.5	2.227	3.054	13.0	21.5
6 20	20 12.13	−19 32.2	2.134	3.044	10.2	21.3
6 30	20 6.62	−20 0.7	2.064	3.034	6.9	21.1
7 10	19 59.60	−20 33.6	2.018	3.024	3.3	20.9
7 20	19 51.72	−21 8.1	1.999	3.015	0.5	20.6
7 30	19 43.82	−21 41.0	2.008	3.006	4.4	20.9
8 9	19 36.79	−22 9.8	2.043	2.996	8.0	21.1
8 19	19 31.34	−22 33.0	2.103	2.987	11.3	21.3
393158 2013 CO_{19}			7 18.7 244.°07		1.°2/18.1 18	
6 10	20 18.72	−22 43.6	2.157	2.985	13.3	21.7
6 20	20 14.60	−23 8.4	2.069	2.980	10.4	21.5
6 30	20 8.32	−23 37.7	2.004	2.976	7.0	21.3
7 10	20 0.41	−24 8.3	1.964	2.971	3.4	21.1
7 20	19 51.60	−24 36.8	1.951	2.965	1.4	20.9
7 30	19 42.84	−25 0.0	1.966	2.960	4.9	21.1
8 9	19 35.06	−25 16.1	2.007	2.955	8.5	21.3
8 19	19 29.04	−25 24.5	2.072	2.949	11.7	21.5
115947 2003 WJ_{32}			7 18.7 128.°75		1.°7/18.0 17	
6 10	20 23.28	−23 19.8	1.588	2.428	16.7	20.6
6 20	20 18.82	−23 44.5	1.517	2.434	13.1	20.4
6 30	20 11.49	−24 14.5	1.465	2.439	8.9	20.2
7 10	20 1.99	−24 45.2	1.437	2.444	4.3	19.9
7 20	19 51.36	−25 11.6	1.434	2.449	2.0	19.8
7 30	19 40.96	−25 30.0	1.458	2.453	6.1	20.0
8 9	19 32.07	−25 38.5	1.507	2.458	10.5	20.3
8 19	19 25.65	−25 37.5	1.578	2.462	14.4	20.6
390046 2012 UC_{67}			7 18.7 224.°72		6.°7/14.4 18	
6 10	20 23.50	−36 22.0	2.182	3.006	13.3	20.9
6 20	20 18.84	−37 49.0	2.101	2.999	10.9	20.7
6 30	20 11.52	−39 14.1	2.044	2.992	8.5	20.5
7 10	20 2.07	−40 30.1	2.011	2.984	6.9	20.4
7 20	19 51.34	−41 30.0	2.005	2.976	7.0	20.4
7 30	19 40.53	−42 9.1	2.025	2.968	8.8	20.5
8 9	19 30.88	−42 26.2	2.070	2.959	11.3	20.6
8 19	19 23.39	−42 23.2	2.136	2.950	13.8	20.8
123040 2000 SK_{291}			7 18.7 249.°69		1.°8/17.9 18	
6 10	20 22.46	−24 33.5	2.123	2.948	13.6	21.0
6 20	20 17.73	−24 55.3	2.022	2.930	10.7	20.7
6 30	20 10.60	−25 20.4	1.942	2.912	7.4	20.5
7 10	20 1.57	−25 45.4	1.888	2.893	3.7	20.2
7 20	19 51.42	−26 6.3	1.861	2.874	2.0	20.1
7 30	19 41.18	−26 20.0	1.862	2.854	5.4	20.3
8 9	19 31.94	−26 24.8	1.890	2.834	9.2	20.5
8 19	19 24.58	−26 21.0	1.941	2.813	12.7	20.6

316786 1999 TV_{170} 7 18.7 226°.04 6°.0/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 23.13	−40 41.8	2.880	3.685	10.9	21.5
6 20	20 17.86	−41 36.4	2.795	3.675	9.1	21.4
6 30	20 10.45	−42 25.7	2.733	3.665	7.3	21.2
7 10	20 1.41	−43 4.6	2.696	3.655	6.2	21.1
7 20	19 51.46	−43 29.0	2.686	3.644	6.2	21.1
7 30	19 41.54	−43 36.1	2.703	3.633	7.5	21.2
8 9	19 32.60	−43 26.1	2.746	3.621	9.3	21.3
8 19	19 25.38	−43 0.7	2.812	3.609	11.2	21.4

442542 2011 YW_{13} 7 18.7 229°.95 1°.6/17.8 18

6 10	20 18.96	−24 56.8	2.549	3.371	11.7	22.1
6 20	20 14.46	−25 16.2	2.457	3.364	9.1	21.9
6 30	20 8.06	−25 37.6	2.387	3.356	6.2	21.7
7 10	20 0.24	−25 58.3	2.343	3.348	3.1	21.5
7 20	19 51.65	−26 15.4	2.327	3.340	1.8	21.4
7 30	19 43.10	−26 26.5	2.340	3.332	4.5	21.6
8 9	19 35.40	−26 30.7	2.381	3.323	7.6	21.7
8 19	19 29.21	−26 27.8	2.446	3.314	10.5	21.9

18222 6669 *P–L* 7 18.7 339°.62 6°.8/16.9 18

6 10	20 17.68	−31 44.1	1.029	1.912	20.6	18.1
6 20	20 16.33	−32 23.2	0.960	1.898	16.6	17.8
6 30	20 10.88	−33 1.0	0.908	1.886	12.1	17.5
7 10	20 2.07	−33 28.6	0.875	1.875	8.0	17.2
7 20	19 51.34	−33 37.0	0.862	1.866	7.1	17.2
7 30	19 40.78	−33 20.8	0.870	1.858	10.5	17.3
8 9	19 32.45	−32 40.6	0.897	1.851	15.3	17.5
8 19	19 27.77	−31 41.4	0.942	1.846	19.9	17.8

171486 1996 *MO* 7 18.7 64°.94 5°.0/20.6 18

6 10	20 49.57	− 6 49.3	0.850	1.661	29.8	20.4
6 20	20 38.91	− 7 23.5	0.839	1.731	23.3	20.3
6 30	20 24.32	− 8 25.1	0.842	1.797	16.3	20.2
7 10	20 7.52	− 9 47.4	0.866	1.862	9.3	20.1
7 20	19 50.66	−11 19.9	0.914	1.924	5.0	20.0
7 30	19 35.88	−12 52.0	0.987	1.983	8.1	20.4
8 9	19 24.67	−14 15.7	1.084	2.040	13.0	20.9
8 19	19 17.57	−15 27.3	1.202	2.095	17.3	21.3

381849 2009 WD_{237} 7 18.7 190°.41 1°.0/19.4 18

6 10	20 19.68	−14 29.8	2.450	3.251	12.7	21.6
6 20	20 15.01	−15 4.5	2.357	3.250	10.1	21.4
6 30	20 8.46	−15 49.0	2.287	3.248	7.0	21.2
7 10	20 0.46	−16 41.2	2.243	3.245	3.6	21.0
7 20	19 51.64	−17 37.7	2.227	3.242	1.1	20.8
7 30	19 42.81	−18 35.2	2.241	3.238	4.0	21.0
8 9	19 34.76	−19 30.1	2.283	3.233	7.4	21.2
8 19	19 28.20	−20 20.0	2.351	3.228	10.5	21.4

79990 1999 FP_1 7 18.7 346°.00 0°.8/19.0 18

6 10	20 17.81	−17 38.0	2.019	2.844	14.2	19.9
6 20	20 13.91	−17 44.8	1.936	2.844	11.2	19.7
6 30	20 7.86	−17 59.2	1.875	2.843	7.7	19.5
7 10	20 0.21	−18 19.1	1.837	2.843	3.8	19.2
7 20	19 51.69	−18 42.0	1.827	2.842	0.9	19.0
7 30	19 43.25	−19 5.2	1.843	2.842	4.6	19.3
8 9	19 35.84	−19 26.3	1.886	2.842	8.4	19.5
8 19	19 30.21	−19 43.9	1.953	2.841	11.8	19.7

509928 2009 OX_2 7 18.7 348°.20 2°.4/20.2 17

6 10	20 3.28	− 8 33.3	0.922	1.802	22.7	19.8
6 20	20 4.62	− 9 42.3	0.848	1.784	18.5	19.5
6 30	20 2.77	−11 29.4	0.790	1.769	13.3	19.1
7 10	19 58.23	−13 53.0	0.751	1.757	7.3	18.7
7 20	19 51.96	−16 43.8	0.731	1.746	2.4	18.4
7 30	19 45.52	−19 45.4	0.733	1.739	7.2	18.7
8 9	19 40.70	−22 38.9	0.756	1.734	13.5	19.0
8 19	19 38.90	−25 9.6	0.797	1.731	19.1	19.3

475456 2006 RT_{78} 7 18.7 328°.83 3°.3/20.2 18

6 10	20 15.60	−11 12.7	1.862	2.679	15.5	21.3
6 20	20 12.38	−11 9.7	1.776	2.673	12.6	21.1
6 30	20 6.95	−11 19.4	1.709	2.667	9.1	20.9
7 10	19 59.83	−11 41.5	1.665	2.662	5.5	20.7
7 20	19 51.75	−12 14.1	1.647	2.656	3.3	20.5
7 30	19 43.68	−12 54.2	1.655	2.651	5.4	20.7
8 9	19 36.62	−13 38.3	1.689	2.647	9.0	20.9
8 19	19 31.36	−14 22.6	1.746	2.642	12.6	21.1

498539 2008 GY_8 7 18.7 142°.28 1°.6/19.4 17

6 10	20 21.71	−14 58.8	1.845	2.661	15.7	22.7
6 20	20 17.07	−15 11.6	1.769	2.670	12.4	22.5
6 30	20 10.05	−15 35.0	1.714	2.678	8.6	22.3
7 10	20 1.26	−16 6.9	1.683	2.686	4.5	22.1
7 20	19 51.54	−16 44.1	1.679	2.693	1.6	21.9
7 30	19 41.98	−17 23.0	1.702	2.700	5.0	22.1
8 9	19 33.61	−18 0.2	1.752	2.707	9.0	22.4
8 19	19 27.24	−18 33.6	1.825	2.712	12.6	22.6

472091 2013 YO_{144} 7 18.7 256°.22 3°.3/17.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 22.01	−27 49.3	1.827	2.665	14.9	22.0
6 20	20 17.70	−28 21.1	1.744	2.659	11.8	21.7
6 30	20 10.72	−28 54.5	1.682	2.653	8.2	21.5
7 10	20 1.66	−29 24.5	1.644	2.647	4.7	21.3
7 20	19 51.48	−29 46.2	1.632	2.641	3.5	21.2
7 30	19 41.37	−29 56.1	1.647	2.634	6.5	21.4
8 9	19 32.56	−29 53.0	1.687	2.628	10.3	21.6
8 19	19 26.00	−29 38.2	1.750	2.622	13.8	21.8

183503 2003 FP_{12} 7 18.7 53°.53 1°.2/19.4 18

6 10	20 16.28	−14 36.7	2.153	2.970	13.7	20.2
6 20	20 12.60	−15 5.7	2.069	2.971	10.9	20.0
6 30	20 6.93	−15 45.4	2.007	2.971	7.5	19.8
7 10	19 59.76	−16 33.3	1.969	2.972	3.9	19.6
7 20	19 51.77	−17 26.4	1.958	2.973	1.2	19.4
7 30	19 43.82	−18 20.8	1.976	2.974	4.3	19.6
8 9	19 36.77	−19 13.0	2.020	2.975	7.9	19.9
8 19	19 31.33	−20 0.3	2.089	2.976	11.2	20.1

54555 2000 QK_{112} 7 18.7 134°.62 3°.8/20.9 18

6 10	20 15.76	− 7 49.5	2.240	3.032	14.0	18.8
6 20	20 12.04	− 7 53.1	2.154	3.033	11.4	18.6
6 30	20 6.47	− 8 9.8	2.090	3.035	8.5	18.4
7 10	19 59.52	− 8 39.5	2.049	3.036	5.6	18.2
7 20	19 51.82	− 9 20.4	2.035	3.038	3.8	18.1
7 30	19 44.17	−10 9.8	2.048	3.039	5.1	18.2
8 9	19 37.36	−11 4.1	2.088	3.040	7.9	18.4
8 19	19 32.04	−11 59.8	2.154	3.042	10.9	18.6

329757 2004 ES_{20} 7 18.7 152°.65 14°.5/27.9 18

6 10	20 21.57	+13 1.7	1.284	2.011	25.5	20.8
6 20	20 17.98	+13 32.5	1.215	2.017	23.0	20.6
6 30	20 11.26	+13 24.6	1.158	2.022	20.2	20.5
7 10	20 2.06	+12 30.6	1.116	2.026	17.3	20.3
7 20	19 51.44	+10 47.6	1.093	2.030	15.2	20.2
7 30	19 40.87	+ 8 19.7	1.091	2.033	14.6	20.1
8 9	19 31.84	+ 5 18.7	1.112	2.036	15.9	20.2
8 19	19 25.49	+ 2 0.8	1.154	2.038	18.5	20.4

98701 2000 XS_{30} 7 18.7 76°.85 2°.7/17.9 17

6 10	20 24.83	−26 21.3	1.428	2.276	17.8	19.1
6 20	20 20.37	−26 35.7	1.361	2.281	14.0	18.9
6 30	20 12.71	−26 52.0	1.312	2.287	9.6	18.6
7 10	20 2.64	−27 5.1	1.287	2.292	5.0	18.4
7 20	19 51.37	−27 10.2	1.286	2.298	3.0	18.3
7 30	19 40.44	−27 4.1	1.310	2.303	6.8	18.5
8 9	19 31.31	−26 46.7	1.358	2.309	11.4	18.8
8 19	19 24.97	−26 20.1	1.428	2.315	15.4	19.0

203566 2002 CS_{134} 7 18.7 35°.75 3°.7/20.2 17

6 10	20 17.30	−11 49.1	0.999	1.861	22.7	19.2
6 20	20 14.91	−11 48.3	0.957	1.881	18.1	19.0
6 30	20 9.14	−12 8.2	0.931	1.903	12.9	18.8
7 10	20 0.93	−12 46.7	0.923	1.926	7.3	18.6
7 20	19 51.65	−13 38.9	0.937	1.950	3.7	18.5
7 30	19 42.93	−14 37.8	0.973	1.975	7.0	18.7
8 9	19 36.23	−15 36.6	1.031	2.000	11.9	19.1
8 19	19 32.47	−16 29.9	1.109	2.027	16.4	19.4

440451 2005 SD_{92} 7 18.7 306°.04 5°.1/16.2 18

6 10	20 20.56	−33 31.4	2.118	2.950	13.4	20.9
6 20	20 16.35	−34 15.8	2.036	2.943	10.7	20.7
6 30	20 9.68	−34 58.1	1.976	2.937	7.9	20.5
7 10	20 1.14	−35 32.7	1.941	2.931	5.6	20.3
7 20	19 51.60	−35 54.8	1.932	2.924	5.3	20.3
7 30	19 42.14	−36 1.3	1.949	2.918	7.3	20.4
8 9	19 33.88	−35 51.8	1.992	2.912	10.1	20.6
8 19	19 27.65	−35 27.9	2.057	2.907	12.9	20.7

20696 Torresduarte 7 18.7 117°.47 0°.4/18.9 18 R

6 10	20 17.45	−18 30.9	2.504	3.319	12.1	19.5
6 20	20 13.14	−18 43.5	2.426	3.328	9.4	19.4
6 30	20 7.08	−19 1.7	2.370	3.337	6.4	19.2
7 10	19 59.77	−19 23.5	2.340	3.345	3.1	19.0
7 20	19 51.82	−19 46.7	2.337	3.353	0.5	18.8
7 30	19 43.99	−20 9.0	2.364	3.361	3.8	19.1
8 9	19 37.02	−20 28.6	2.417	3.369	7.0	19.3
8 19	19 31.49	−20 44.4	2.497	3.377	9.9	19.5

504367 2007 VK_9 7 18.7 275°.85 2°.6/19.7 17

6 10	20 20.44	−13 46.4	1.563	2.390	17.5	22.3
6 20	20 16.98	−13 46.0	1.460	2.366	14.2	22.0
6 30	20 10.63	−13 58.9	1.376	2.341	10.2	21.7
7 10	20 1.85	−14 24.4	1.314	2.316	5.7	21.4
7 20	19 51.47	−15 0.4	1.277	2.291	2.6	21.1
7 30	19 40.75	−15 42.8	1.266	2.265	6.2	21.3
8 9	19 31.12	−16 27.4	1.279	2.238	11.1	21.5
8 19	19 23.79	−17 10.3	1.314	2.212	15.8	21.7

250602 2005 EU_{157} 7 18.7 225°.26 1°.5/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 22.00	−15 54.5	1.754	2.576	16.1	21.4
6 20	20 17.66	−15 59.8	1.664	2.568	12.9	21.2
6 30	20 10.72	−16 15.4	1.593	2.559	9.0	21.0
7 10	20 1.71	−16 39.4	1.546	2.550	4.7	20.7
7 20	19 51.51	−17 8.8	1.526	2.540	1.5	20.4
7 30	19 41.27	−17 40.4	1.532	2.530	5.3	20.7
8 9	19 32.19	−18 10.8	1.564	2.520	9.8	20.9
8 19	19 25.22	−18 37.7	1.619	2.508	13.8	21.1

160850 2001 CB_{20} 7 18.7 229°.82 8°.5/23.8 18

6 10	20 22.20	+ 3 20.9	1.308	2.083	22.9	19.8
6 20	20 18.73	+ 2 48.2	1.218	2.075	19.8	19.5
6 30	20 12.02	+ 1 37.7	1.144	2.067	16.0	19.2
7 10	20 2.58	− 0 14.3	1.089	2.057	11.9	19.0
7 20	19 51.35	− 2 46.2	1.057	2.047	8.8	18.8
7 30	19 39.80	− 5 48.8	1.050	2.037	9.3	18.8
8 9	19 29.55	− 9 6.3	1.069	2.026	13.1	18.9
8 19	19 21.96	−12 22.6	1.111	2.014	17.6	19.2

127757 2003 FM_{28} 7 18.7 0°.62 4°.2/16.2 18

6 10	20 16.61	−27 37.9	1.800	2.648	14.7	18.8
6 20	20 13.57	−28 51.2	1.726	2.647	11.6	18.6
6 30	20 7.97	−30 8.6	1.674	2.646	8.1	18.4
7 10	20 0.41	−31 23.7	1.646	2.646	5.0	18.2
7 20	19 51.73	−32 29.7	1.644	2.646	4.5	18.2
7 30	19 43.09	−33 21.3	1.668	2.647	7.2	18.4
8 9	19 35.66	−33 55.7	1.716	2.649	10.7	18.6
8 19	19 30.36	−34 13.0	1.786	2.651	13.9	18.8

282295 2002 QB_{14} 7 18.7 280°.45 3°.1/19.8 18

6 10	20 18.91	−13 15.6	1.999	2.811	14.8	20.3
6 20	20 14.93	−12 49.1	1.897	2.793	12.0	20.0
6 30	20 8.71	−12 31.0	1.817	2.775	8.7	19.8
7 10	20 0.72	−12 21.3	1.760	2.757	5.2	19.6
7 20	19 51.69	−12 19.5	1.730	2.739	3.1	19.4
7 30	19 42.58	−12 24.5	1.726	2.721	5.4	19.5
8 9	19 34.39	−12 34.3	1.749	2.703	9.1	19.7
8 19	19 27.97	−12 47.1	1.796	2.685	12.7	19.9

296042 2009 AW_{6} 7 18.7 356°.37 3°.1/19.5 18

6 10	20 17.26	−15 44.3	1.469	2.312	17.7	20.1
6 20	20 14.22	−15 3.3	1.393	2.308	14.2	19.8
6 30	20 8.46	−14 30.6	1.336	2.305	10.1	19.6
7 10	20 0.63	−14 6.4	1.301	2.303	5.7	19.3
7 20	19 51.71	−13 50.3	1.290	2.302	3.1	19.2
7 30	19 42.95	−13 41.4	1.303	2.302	6.1	19.4
8 9	19 35.57	−13 37.8	1.341	2.302	10.5	19.6
8 19	19 30.50	−13 37.8	1.400	2.304	14.5	19.9

444336 2005 WW_{85} 7 18.7 335°.04 6°.4/21.1 18

6 10	20 16.32	− 4 51.4	2.075	2.860	15.2	21.0
6 20	20 12.65	− 3 56.4	1.988	2.854	12.8	20.8
6 30	20 6.98	− 3 13.7	1.921	2.849	10.1	20.6
7 10	19 59.82	− 2 45.6	1.877	2.845	7.7	20.5
7 20	19 51.84	− 2 33.1	1.857	2.841	6.4	20.4
7 30	19 43.89	− 2 36.1	1.864	2.837	7.3	20.4
8 9	19 36.84	− 2 52.5	1.896	2.833	9.6	20.6
8 19	19 31.39	− 3 19.1	1.951	2.830	12.3	20.7

497574 2006 EO_{53} 7 18.7 165°.62 5°.6/16.0 17

6 10	20 27.72	−37 19.3	2.445	3.254	12.5	22.6
6 20	20 21.53	−38 3.7	2.371	3.260	10.1	22.5
6 30	20 12.96	−38 42.8	2.319	3.265	7.8	22.3
7 10	20 2.63	−39 11.2	2.294	3.270	5.9	22.2
7 20	19 51.42	−39 24.6	2.295	3.273	5.7	22.2
7 30	19 40.44	−39 20.7	2.324	3.277	7.3	22.3
8 9	19 30.73	−39 0.0	2.380	3.279	9.6	22.5
8 19	19 23.08	−38 25.2	2.459	3.281	11.9	22.7

469669 2004 VP_{8} 7 18.7 288°.30 3°.4/17.0 18

6 10	20 21.71	−26 2.0	1.864	2.700	14.8	22.0
6 20	20 17.88	−26 53.4	1.751	2.665	11.8	21.8
6 30	20 11.23	−27 51.4	1.659	2.630	8.3	21.5
7 10	20 2.16	−28 50.7	1.591	2.594	4.7	21.2
7 20	19 51.45	−29 45.1	1.550	2.558	3.6	21.0
7 30	19 40.29	−30 28.5	1.535	2.522	7.0	21.2
8 9	19 30.06	−30 57.3	1.546	2.484	11.2	21.3
8 19	19 21.98	−31 10.8	1.579	2.447	15.2	21.5

139655 2001 QD_{183} 7 18.7 328°.49 1°.1/19.2 18

6 10	20 17.10	−16 57.9	1.875	2.705	14.9	20.4
6 20	20 13.59	−17 4.0	1.790	2.700	11.8	20.1
6 30	20 7.80	−17 18.8	1.726	2.695	8.2	19.9
7 10	20 0.27	−17 40.5	1.686	2.691	4.1	19.7
7 20	19 51.77	−18 6.4	1.671	2.687	1.1	19.4
7 30	19 43.33	−18 33.3	1.684	2.683	4.8	19.7
8 9	19 35.94	−18 58.7	1.722	2.679	8.9	19.9
8 19	19 30.44	−19 20.5	1.783	2.676	12.5	20.1

422129 2014 QT_{421} 7 18.7 297°.11 4°.0/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 13.57	− 7 3.4	2.681	3.464	12.2	21.0
6 20	20 10.08	− 6 49.5	2.584	3.455	10.1	20.8
6 30	20 5.04	− 6 46.2	2.508	3.446	7.7	20.6
7 10	19 58.84	− 6 53.8	2.457	3.437	5.3	20.5
7 20	19 52.00	− 7 11.7	2.433	3.429	4.0	20.4
7 30	19 45.15	− 7 38.6	2.436	3.420	4.9	20.4
8 9	19 38.95	− 8 12.2	2.466	3.412	7.2	20.6
8 19	19 33.96	− 8 49.9	2.521	3.404	9.7	20.7

484556 2008 HB_{18} 7 18.7 53°.95 2°.3/20.1 18

6 10	20 15.41	−11 41.5	2.257	3.063	13.5	21.8
6 20	20 11.79	−11 58.0	2.173	3.066	10.8	21.6
6 30	20 6.32	−12 25.7	2.112	3.069	7.7	21.4
7 10	19 59.48	−13 3.3	2.075	3.073	4.4	21.2
7 20	19 51.91	−13 48.5	2.065	3.076	2.3	21.1
7 30	19 44.40	−14 38.2	2.083	3.080	4.4	21.2
8 9	19 37.73	−15 28.8	2.128	3.083	7.6	21.4
8 19	19 32.56	−16 17.6	2.198	3.087	10.6	21.6

193654 2001 DV_{42} 7 18.7 173°.88 0°.6/19.0 18

6 10	20 20.34	−17 23.7	2.564	3.369	12.1	21.8
6 20	20 15.39	−17 38.9	2.476	3.372	9.5	21.6
6 30	20 8.63	−18 0.4	2.411	3.375	6.5	21.4
7 10	20 0.55	−18 26.3	2.373	3.377	3.2	21.2
7 20	19 51.75	−18 54.1	2.363	3.379	0.7	21.0
7 30	19 43.02	−19 21.6	2.383	3.380	3.9	21.3
8 9	19 35.11	−19 46.7	2.430	3.380	7.1	21.5
8 19	19 28.66	−20 8.0	2.504	3.379	10.0	21.7

199535 2006 DU_{199} 7 18.7 19°.42 6°.5/21.0 18

6 10	20 18.42	− 6 21.6	1.696	2.497	17.4	19.5
6 20	20 14.68	− 5 28.6	1.618	2.498	14.5	19.3
6 30	20 8.56	− 4 50.1	1.560	2.500	11.3	19.1
7 10	20 0.63	− 4 28.1	1.524	2.502	8.2	18.9
7 20	19 51.75	− 4 23.6	1.512	2.504	6.6	18.8
7 30	19 42.98	− 4 35.6	1.525	2.506	7.7	18.9
8 9	19 35.37	− 5 1.1	1.562	2.508	10.6	19.0
8 19	19 29.76	− 5 36.0	1.622	2.511	13.8	19.2

106731 2000 WW_{183} 7 18.7 87°.73 3°.9/20.2 18

6 10	20 18.84	−10 39.1	2.264	3.059	13.8	19.4
6 20	20 14.34	− 9 57.9	2.182	3.064	11.2	19.2
6 30	20 7.97	− 9 25.3	2.121	3.068	8.3	19.0
7 10	20 0.24	− 9 2.0	2.085	3.073	5.5	18.9
7 20	19 51.82	− 8 48.0	2.076	3.078	3.9	18.8
7 30	19 43.53	− 8 42.7	2.095	3.082	5.3	18.9
8 9	19 36.16	− 8 44.7	2.140	3.087	8.1	19.1
8 19	19 30.35	− 8 52.1	2.210	3.091	10.9	19.3

154933 2004 TP_{23} 7 18.7 84°.41 0°.6/18.4 18

6 10	20 18.54	−21 49.9	2.364	3.186	12.5	20.9
6 20	20 14.10	−22 1.3	2.291	3.198	9.7	20.8
6 30	20 7.78	−22 16.3	2.241	3.211	6.5	20.6
7 10	20 0.14	−22 32.5	2.217	3.223	3.1	20.4
7 20	19 51.86	−22 47.5	2.220	3.235	0.8	20.2
7 30	19 43.76	−22 59.0	2.251	3.247	4.1	20.5
8 9	19 36.62	−23 6.0	2.310	3.259	7.4	20.7
8 19	19 31.07	−23 8.0	2.393	3.271	10.3	20.9

478322 2011 WZ_{89} 7 18.7 242°.94 3°.2/20.1 18

6 10	20 17.50	−11 39.9	2.330	3.130	13.3	21.4
6 20	20 13.37	−11 18.6	2.238	3.125	10.8	21.2
6 30	20 7.38	−11 5.9	2.167	3.120	7.8	21.0
7 10	20 0.00	−11 2.0	2.121	3.114	4.9	20.8
7 20	19 51.87	−11 6.0	2.102	3.109	3.2	20.7
7 30	19 43.77	−11 16.8	2.111	3.103	4.8	20.8
8 9	19 36.50	−11 32.3	2.147	3.098	7.8	21.0
8 19	19 30.71	−11 50.7	2.207	3.092	10.8	21.1

171146 2005 GH_{67} 7 18.7 6°.27 2°.9/20.0 17

6 10	20 17.46	−12 23.1	1.937	2.751	15.1	20.2
6 20	20 13.71	−12 15.2	1.854	2.751	12.2	20.0
6 30	20 7.79	−12 18.4	1.792	2.751	8.7	19.8
7 10	20 0.25	−12 31.8	1.754	2.751	5.1	19.5
7 20	19 51.83	−12 54.0	1.741	2.752	2.9	19.4
7 30	19 43.49	−13 22.4	1.756	2.752	5.1	19.5
8 9	19 36.18	−13 53.9	1.796	2.752	8.7	19.8
8 19	19 30.64	−14 25.9	1.860	2.753	12.1	20.0

121274 1999 RM_{124} 7 18.7 354°.85 5°.5/17.5 18

6 10	20 25.77	−34 10.6	1.551	2.394	16.9	18.9
6 20	20 21.14	−34 20.8	1.478	2.392	13.6	18.7
6 30	20 13.25	−34 25.0	1.425	2.390	9.9	18.5
7 10	20 2.93	−34 17.0	1.394	2.388	6.6	18.3
7 20	19 51.44	−33 52.3	1.387	2.388	5.6	18.3
7 30	19 40.34	−33 9.1	1.406	2.387	8.1	18.4
8 9	19 31.09	−32 9.9	1.449	2.387	11.8	18.6
8 19	19 24.67	−30 59.4	1.514	2.388	15.4	18.8

373567 2001 XT_{105} 7 18.7 205°.81 0°.6/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 22.80	−21 43.9	2.207	3.024	13.4	21.5
6 20	20 17.74	−21 55.4	2.115	3.019	10.5	21.3
6 30	20 10.47	−22 11.1	2.045	3.013	7.2	21.1
7 10	20 1.52	−22 28.2	2.001	3.007	3.4	20.8
7 20	19 51.65	−22 44.0	1.984	3.000	0.9	20.6
7 30	19 41.81	−22 55.8	1.997	2.992	4.6	20.9
8 9	19 32.97	−23 2.2	2.036	2.984	8.4	21.1
8 19	19 25.93	−23 2.9	2.100	2.975	11.7	21.3

121574 1999 VS_{90} 7 18.7 307°.14 2°.7/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 17.11	−13 38.1	1.699	2.526	16.3	19.5
6 20	20 13.91	−13 30.1	1.608	2.514	13.2	19.3
6 30	20 8.22	−13 33.5	1.537	2.502	9.4	19.0
7 10	20 0.57	−13 47.8	1.490	2.490	5.4	18.8
7 20	19 51.79	−14 11.1	1.467	2.479	2.7	18.6
7 30	19 42.95	−14 40.6	1.469	2.468	5.6	18.7
8 9	19 35.22	−15 12.9	1.497	2.457	9.8	19.0
8 19	19 29.51	−15 44.9	1.547	2.446	13.7	19.2

447011 2004 FJ_{106} 7 18.7 99°.52 17°.8/29.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 19.91	+15 22.4	1.171	1.898	27.5	21.5
6 20	20 16.86	+16 45.6	1.116	1.908	25.2	21.3
6 30	20 10.58	+17 29.4	1.071	1.917	22.7	21.1
7 10	20 1.79	+17 24.8	1.041	1.926	20.3	21.0
7 20	19 51.63	+16 26.8	1.026	1.935	18.5	20.9
7 30	19 41.65	+14 36.7	1.028	1.944	17.8	20.9
8 9	19 33.36	+12 4.6	1.050	1.953	18.5	21.0
8 19	19 27.88	+ 9 5.6	1.090	1.961	20.3	21.2

26697 2001 FJ_{127} 7 18.7 103°.55 1°.7/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 18.17	−13 12.7	1.982	2.796	14.8	18.4
6 20	20 14.20	−13 39.5	1.905	2.804	11.8	18.3
6 30	20 8.10	−14 18.4	1.850	2.812	8.2	18.1
7 10	20 0.41	−15 7.1	1.819	2.821	4.4	17.8
7 20	19 51.88	−16 2.3	1.815	2.829	1.7	17.7
7 30	19 43.45	−16 59.9	1.838	2.837	4.6	17.9
8 9	19 36.05	−17 55.7	1.889	2.845	8.3	18.1
8 19	19 30.41	−18 46.8	1.963	2.852	11.7	18.4

260483 2005 CO_{38} 7 18.7 159°.95 2°.8/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 26.84	−27 0.7	1.731	2.562	15.9	21.5
6 20	20 21.49	−27 21.9	1.656	2.567	12.5	21.3
6 30	20 13.29	−27 44.3	1.602	2.572	8.6	21.1
7 10	20 2.94	−28 3.1	1.572	2.576	4.6	20.8
7 20	19 51.51	−28 13.6	1.569	2.579	3.0	20.7
7 30	19 40.32	−28 12.8	1.592	2.582	6.3	21.0
8 9	19 30.66	−28 0.4	1.641	2.585	10.3	21.2
8 19	19 23.46	−27 38.3	1.714	2.587	14.0	21.4

342453 2008 UA_{111} 7 18.7 288°.73 4°.8/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 18.67	− 9 57.4	1.789	2.598	16.3	20.6
6 20	20 14.95	− 9 18.3	1.697	2.587	13.4	20.4
6 30	20 8.83	− 8 50.5	1.625	2.576	10.1	20.2
7 10	20 0.86	− 8 35.1	1.577	2.566	6.7	19.9
7 20	19 51.82	− 8 32.4	1.553	2.555	4.8	19.8
7 30	19 42.75	− 8 41.4	1.555	2.544	6.5	19.9
8 9	19 34.73	− 8 59.6	1.582	2.534	10.0	20.1
8 19	19 28.64	− 9 24.1	1.632	2.523	13.5	20.3

425698 2011 AG_{75} 7 18.7 150°.75 3°.1/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 25.82	−28 1.3	2.052	2.876	14.0	22.1
6 20	20 20.24	−28 32.4	1.978	2.885	11.0	21.9
6 30	20 12.21	−29 3.9	1.926	2.893	7.6	21.7
7 10	20 2.36	−29 31.2	1.900	2.901	4.3	21.5
7 20	19 51.62	−29 50.1	1.901	2.908	3.2	21.4
7 30	19 41.09	−29 57.7	1.930	2.915	5.9	21.6
8 9	19 31.87	−29 53.6	1.985	2.921	9.3	21.8
8 19	19 24.74	−29 39.0	2.064	2.926	12.4	22.0

326132 2012 BR_9 7 18.7 178°.34 0°.4/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 24.98	−22 1.6	1.573	2.409	17.0	20.7
6 20	20 20.23	−21 55.7	1.495	2.409	13.4	20.5
6 30	20 12.55	−21 54.2	1.438	2.410	9.2	20.2
7 10	20 2.65	−21 54.1	1.403	2.410	4.4	19.9
7 20	19 51.59	−21 52.2	1.394	2.410	0.8	19.7
7 30	19 40.72	−21 46.4	1.412	2.410	5.7	20.0
8 9	19 31.38	−21 35.6	1.454	2.409	10.4	20.3
8 19	19 24.55	−21 20.3	1.519	2.409	14.5	20.5

181679 2724 P–L 7 18.7 303°.20 4°.3/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 16.46	−10 53.8	1.379	2.215	19.0	20.3
6 20	20 14.20	−10 42.2	1.281	2.189	15.6	20.0
6 30	20 8.97	−10 47.3	1.200	2.163	11.6	19.7
7 10	20 1.21	−11 10.1	1.139	2.137	7.2	19.4
7 20	19 51.76	−11 49.4	1.101	2.111	4.3	19.1
7 30	19 41.95	−12 41.8	1.088	2.086	7.1	19.2
8 9	19 33.29	−13 41.6	1.097	2.061	12.0	19.4
8 19	19 27.05	−14 43.3	1.126	2.036	16.8	19.6

284818 2008 YK_{163} 7 18.7 292°.65 1°.9/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 16.99	−14 10.4	1.848	2.671	15.4	21.1
6 20	20 13.67	−14 21.0	1.754	2.658	12.3	20.9
6 30	20 8.01	−14 43.3	1.680	2.645	8.7	20.6
7 10	20 0.50	−15 16.0	1.630	2.632	4.7	20.4
7 20	19 51.90	−15 56.4	1.605	2.619	1.9	20.1
7 30	19 43.21	−16 40.8	1.607	2.606	5.1	20.3
8 9	19 35.51	−17 25.4	1.634	2.593	9.2	20.6
8 19	19 29.68	−18 7.1	1.685	2.580	13.0	20.8

138745 2000 SM_{235} 7 18.7 227°.21 0°.6/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 18.56	−21 31.0	2.912	3.722	10.7	21.3
6 20	20 13.97	−21 50.5	2.809	3.710	8.4	21.2
6 30	20 7.71	−22 13.7	2.730	3.697	5.7	21.0
7 10	20 0.20	−22 38.5	2.678	3.684	2.7	20.8
7 20	19 51.96	−23 2.5	2.655	3.670	0.8	20.6
7 30	19 43.70	−23 23.5	2.661	3.656	3.7	20.8
8 9	19 36.10	−23 40.0	2.695	3.641	6.7	21.0
8 19	19 29.77	−23 51.4	2.756	3.625	9.4	21.1

187647 2007 DN_{16} 7 18.7 352°.80 0°.2/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 15.45	−18 59.8	1.986	2.820	14.1	19.7
6 20	20 12.24	−19 29.5	1.904	2.817	11.1	19.5
6 30	20 6.88	−20 7.4	1.843	2.815	7.5	19.3
7 10	19 59.89	−20 50.4	1.806	2.813	3.6	19.1
7 20	19 52.01	−21 34.9	1.795	2.811	0.6	18.8
7 30	19 44.16	−22 17.1	1.812	2.810	4.7	19.1
8 9	19 37.31	−22 53.8	1.855	2.810	8.5	19.4
8 19	19 32.21	−23 23.4	1.921	2.809	12.0	19.6

251830 1999 TY_{198} 7 18.7 286°.99 9°.6/22.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 16.46	+ 5 54.2	2.370	3.087	15.3	20.6
6 20	20 12.65	+ 7 12.7	2.274	3.073	13.6	20.4
6 30	20 7.00	+ 8 15.9	2.196	3.058	11.9	20.3
7 10	19 59.92	+ 9 0.2	2.140	3.044	10.5	20.1
7 20	19 52.00	+ 9 22.6	2.107	3.029	9.7	20.1
7 30	19 43.99	+ 9 22.1	2.098	3.015	9.9	20.1
8 9	19 36.69	+ 9 0.3	2.113	3.000	11.2	20.1
8 19	19 30.77	+ 8 20.7	2.150	2.986	12.9	20.2

183907 2004 CO_{93} 7 18.7 108°.66 3°.9/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 20.89	−11 16.1	1.632	2.448	17.4	20.5
6 20	20 16.72	−10 56.9	1.559	2.456	14.1	20.3
6 30	20 10.01	−10 50.8	1.505	2.463	10.2	20.1
7 10	20 1.40	−10 57.7	1.474	2.469	6.3	19.9
7 20	19 51.80	−11 16.1	1.468	2.476	3.9	19.8
7 30	19 42.37	−11 43.3	1.488	2.483	6.1	19.9
8 9	19 34.25	−12 15.7	1.533	2.489	9.9	20.2
8 19	19 28.28	−12 50.0	1.601	2.496	13.6	20.4

174125 2002 LA_{12} 7 18.7 41°.07 1°.4/18.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 18.53	−17 17.1	1.089	1.954	21.0	18.9
6 20	20 15.98	−18 42.8	1.043	1.974	16.3	18.6
6 30	20 10.03	−20 25.9	1.015	1.995	10.9	18.4
7 10	20 1.53	−22 17.6	1.008	2.016	5.1	18.2
7 20	19 51.78	−24 7.0	1.024	2.039	1.9	18.0
7 30	19 42.45	−25 43.6	1.063	2.062	7.2	18.4
8 9	19 35.09	−27 0.9	1.126	2.085	12.3	18.8
8 19	19 30.70	−27 57.1	1.209	2.109	16.6	19.1

396016 2013 BA_{77} 7 18.7 43°.13 1°.6/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 17.79	−23 5.6	1.931	2.768	14.3	20.7
6 20	20 14.04	−23 40.2	1.864	2.780	11.1	20.6
6 30	20 8.04	−24 19.6	1.819	2.792	7.5	20.4
7 10	20 0.40	−24 59.7	1.798	2.804	3.7	20.2
7 20	19 51.95	−25 36.3	1.803	2.817	1.9	20.1
7 30	19 43.69	−26 6.1	1.836	2.830	5.2	20.3
8 9	19 36.60	−26 26.9	1.894	2.843	8.8	20.6
8 19	19 31.42	−26 38.5	1.976	2.857	12.0	20.8

294210 2007 UA 7 18.7 313°.35 3°.8/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 17.14	−25 47.9	1.580	2.433	16.1	20.4
6 20	20 14.69	−26 43.4	1.479	2.404	12.8	20.1
6 30	20 9.28	−27 46.7	1.398	2.374	9.0	19.8
7 10	20 1.36	−28 52.2	1.340	2.345	5.1	19.5
7 20	19 51.77	−29 52.6	1.307	2.316	4.1	19.4
7 30	19 41.83	−30 41.2	1.299	2.287	7.7	19.5
8 9	19 33.04	−31 13.5	1.314	2.260	12.2	19.7
8 19	19 26.67	−31 28.6	1.350	2.232	16.4	19.9

322633 1998 RN_{47} 7 18.7 285°.54 3°.8/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 21.74	−31 59.3	2.438	3.261	12.1	20.7
6 20	20 17.06	−32 23.0	2.332	3.236	9.7	20.5
6 30	20 10.14	−32 44.8	2.249	3.211	7.0	20.3
7 10	20 1.48	−33 0.6	2.191	3.186	4.6	20.1
7 20	19 51.79	−33 6.8	2.161	3.160	4.0	20.0
7 30	19 42.05	−33 0.7	2.158	3.135	6.1	20.1
8 9	19 33.25	−32 41.8	2.182	3.109	9.0	20.3
8 19	19 26.20	−32 11.6	2.230	3.083	11.9	20.4

304536 2006 UT_{271} 7 18.7 127°.38 3°.1/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 17.82	−10 5.0	2.650	3.436	12.2	21.1
6 20	20 13.28	− 9 52.3	2.571	3.448	9.9	21.0
6 30	20 7.14	− 9 48.7	2.514	3.460	7.2	20.8
7 10	19 59.87	− 9 53.8	2.483	3.472	4.6	20.7
7 20	19 52.05	−10 6.7	2.480	3.483	3.1	20.6
7 30	19 44.34	−10 25.8	2.505	3.495	4.4	20.7
8 9	19 37.42	−10 49.2	2.558	3.505	6.9	20.9
8 19	19 31.81	−11 14.7	2.636	3.516	9.4	21.1

418071 2007 VH_{221} 7 18.7 349°.52 6°.1/15.8 17

6 10	20 14.88	−26 15.8	1.064	1.947	20.1	20.0
6 20	20 13.91	−27 54.6	0.999	1.940	15.9	19.7
6 30	20 9.23	−29 44.6	0.952	1.934	11.2	19.4
7 10	20 1.44	−31 35.1	0.926	1.929	7.1	19.2
7 20	19 51.78	−33 13.2	0.921	1.925	6.6	19.1
7 30	19 42.12	−34 27.8	0.937	1.922	10.5	19.3
8 9	19 34.39	−35 13.7	0.974	1.921	15.2	19.6
8 19	19 30.01	−35 31.6	1.029	1.921	19.6	19.9

106022 2000 SK_{296} 7 18.7 207°.25 1°.8/19.6 18

6 10	20 18.61	−15 12.1	2.553	3.356	12.2	20.4
6 20	20 14.10	−14 59.3	2.460	3.352	9.7	20.2
6 30	20 7.83	−14 52.7	2.389	3.348	6.8	20.0
7 10	20 0.26	−14 51.5	2.344	3.344	3.8	19.8
7 20	19 52.00	−14 54.8	2.327	3.340	1.8	19.7
7 30	19 43.78	−15 1.0	2.339	3.335	4.0	19.8
8 9	19 36.36	−15 8.9	2.378	3.330	7.1	20.0
8 19	19 30.33	−15 17.1	2.443	3.324	10.0	20.2

521090 2015 DL_{242} 7 18.7 341°.37 2°.2/19.9 17

6 10	20 17.18	−12 21.0	1.615	2.442	17.0	21.2
6 20	20 14.06	−12 47.8	1.534	2.440	13.7	21.0
6 30	20 8.38	−13 30.5	1.473	2.438	9.7	20.7
7 10	20 0.72	−14 27.2	1.434	2.436	5.3	20.5
7 20	19 51.92	−15 33.8	1.421	2.434	2.2	20.2
7 30	19 43.13	−16 44.9	1.433	2.433	5.4	20.5
8 9	19 35.52	−17 54.6	1.471	2.432	9.8	20.7
8 19	19 30.02	−18 58.7	1.532	2.431	13.8	20.9

475838 2007 BM_{26} 7 18.7 111°.90 0°.6/18.4 17

6 10	20 19.61	−22 26.8	2.500	3.318	12.0	21.7
6 20	20 14.85	−22 33.8	2.424	3.329	9.3	21.6
6 30	20 8.29	−22 43.5	2.371	3.340	6.3	21.4
7 10	20 0.45	−22 53.7	2.344	3.351	3.0	21.2
7 20	19 51.99	−23 2.3	2.346	3.361	0.8	21.0
7 30	19 43.70	−23 7.5	2.376	3.372	4.0	21.3
8 9	19 36.34	−23 8.3	2.434	3.382	7.2	21.5
8 19	19 30.51	−23 4.5	2.516	3.392	10.0	21.7

353936 1997 EJ_{29} 7 18.7 11°.59 6°.8/16.1 18

6 10	20 22.75	−37 58.7	1.886	2.719	14.7	19.7
6 20	20 18.40	−38 40.8	1.819	2.721	12.1	19.5
6 30	20 11.24	−39 16.3	1.772	2.724	9.3	19.3
7 10	20 2.01	−39 38.8	1.748	2.727	7.3	19.2
7 20	19 51.77	−39 43.3	1.749	2.730	7.0	19.2
7 30	19 41.83	−39 27.2	1.776	2.734	8.7	19.3
8 9	19 33.44	−38 51.9	1.826	2.738	11.4	19.5
8 19	19 27.47	−38 0.8	1.899	2.743	14.0	19.7

189583 2000 VT_{34} 7 18.7 315°.90 6°.0/20.1 18

6 10	20 16.00	−10 15.9	1.422	2.254	18.7	19.8
6 20	20 13.88	− 9 26.1	1.311	2.215	15.6	19.5
6 30	20 8.84	− 8 47.4	1.217	2.176	12.0	19.1
7 10	20 1.24	− 8 22.6	1.144	2.136	8.2	18.8
7 20	19 51.83	− 8 13.6	1.094	2.097	6.0	18.6
7 30	19 41.87	− 8 20.8	1.067	2.059	8.3	18.6
8 9	19 32.87	− 8 42.0	1.062	2.021	12.8	18.7
8 19	19 26.18	− 9 13.5	1.077	1.985	17.6	18.9

215817 2004 VB_{27} 7 18.7 225°.47 4°.7/20.5 17

6 10	20 20.27	− 8 53.2	2.099	2.890	14.8	20.7
6 20	20 15.80	− 8 14.9	2.006	2.884	12.2	20.5
6 30	20 9.21	− 7 47.0	1.934	2.877	9.2	20.3
7 10	20 1.02	− 7 30.4	1.885	2.869	6.3	20.2
7 20	19 51.93	− 7 25.5	1.863	2.861	4.7	20.0
7 30	19 42.83	− 7 31.4	1.868	2.853	6.1	20.1
8 9	19 34.66	− 7 46.2	1.899	2.845	9.0	20.3
8 19	19 28.17	− 8 7.2	1.954	2.836	12.1	20.4

187790 1998 UH_{36} 7 18.7 323°.32 1°.8/19.5 18

6 10	20 15.55	−15 51.6	1.967	2.794	14.4	19.5
6 20	20 12.40	−15 41.0	1.870	2.777	11.6	19.3
6 30	20 7.08	−15 38.3	1.795	2.761	8.1	19.0
7 10	20 0.06	−15 42.7	1.743	2.745	4.4	18.8
7 20	19 52.06	−15 52.8	1.716	2.730	1.9	18.6
7 30	19 44.02	−16 6.5	1.717	2.715	4.8	18.8
8 9	19 36.91	−16 21.5	1.743	2.701	8.7	19.0
8 19	19 31.54	−16 36.1	1.792	2.687	12.3	19.2

442080 2010 SD_8 7 18.7 48°.23 3°.7/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 21.70	−30 28.6	2.023	2.856	13.9	21.3
6 20	20 17.10	−30 50.1	1.953	2.864	10.9	21.1
6 30	20 10.11	−31 9.8	1.904	2.871	7.7	20.9
7 10	20 1.41	−31 23.5	1.881	2.879	4.7	20.8
7 20	19 51.89	−31 27.4	1.883	2.888	3.8	20.7
7 30	19 42.63	−31 19.5	1.913	2.896	6.2	20.9
8 9	19 34.66	−30 59.8	1.968	2.904	9.3	21.1
8 19	19 28.74	−30 30.3	2.047	2.913	12.3	21.3

307658 2003 SA_{215} 7 18.7 162°.19 7°.3/16.9 18

6 10	20 36.67	−43 16.9	2.175	2.969	14.3	20.1
6 20	20 28.85	−43 34.8	2.100	2.973	12.0	19.9
6 30	20 18.05	−43 41.2	2.047	2.976	9.6	19.8
7 10	20 5.14	−43 29.7	2.018	2.978	7.8	19.6
7 20	19 51.37	−42 55.8	2.016	2.981	7.4	19.6
7 30	19 38.20	−41 58.8	2.041	2.983	8.8	19.7
8 9	19 26.92	−40 42.1	2.092	2.985	11.0	19.9
8 19	19 18.39	−39 11.4	2.167	2.986	13.4	20.0

291524 2006 EY_8 7 18.7 202°.82 1°.4/18.1 18

6 10	20 21.94	−23 21.6	2.207	3.029	13.2	22.3
6 20	20 17.15	−23 46.9	2.118	3.025	10.4	22.1
6 30	20 10.16	−24 16.1	2.052	3.021	7.1	21.9
7 10	20 1.49	−24 45.8	2.010	3.016	3.5	21.6
7 20	19 51.89	−25 12.6	1.997	3.011	1.6	21.5
7 30	19 42.32	−25 33.2	2.012	3.005	4.9	21.7
8 9	19 33.76	−25 46.1	2.053	2.998	8.5	21.9
8 19	19 26.98	−25 51.0	2.120	2.992	11.7	22.1

314155 2005 EN_{281} 7 18.7 104°.76 2°.6/17.6 17

6 10	20 23.55	−23 42.6	1.544	2.386	17.0	21.0
6 20	20 19.20	−24 32.6	1.479	2.397	13.3	20.8
6 30	20 11.91	−25 28.9	1.434	2.408	9.0	20.6
7 10	20 2.41	−26 25.5	1.413	2.419	4.6	20.4
7 20	19 51.76	−27 16.0	1.417	2.429	2.8	20.3
7 30	19 41.35	−27 55.2	1.448	2.440	6.6	20.5
8 9	19 32.51	−28 20.5	1.503	2.450	10.8	20.8
8 19	19 26.20	−28 32.3	1.580	2.459	14.6	21.1

333639 Yaima 7 18.7 72°.10 2°.6/20.3 17

6 10	20 18.24	− 9 48.4	1.669	2.484	17.1	20.5
6 20	20 14.73	−10 31.8	1.593	2.490	13.8	20.3
6 30	20 8.75	−11 33.7	1.537	2.496	9.8	20.1
7 10	20 0.89	−12 51.8	1.504	2.503	5.6	19.8
7 20	19 51.98	−14 21.2	1.497	2.509	2.6	19.7
7 30	19 43.13	−15 55.2	1.517	2.515	5.3	19.8
8 9	19 35.45	−17 27.2	1.563	2.522	9.5	20.1
8 19	19 29.81	−18 51.9	1.632	2.528	13.3	20.4

18990 2000 RW_{31} 7 18.7 123°.52 2°.7/17.6 18

6 10	20 21.65	−28 26.8	2.276	3.101	12.8	18.2
6 20	20 16.79	−28 42.6	2.198	3.105	10.0	18.0
6 30	20 9.80	−28 57.9	2.142	3.109	6.9	17.8
7 10	20 1.25	−29 9.2	2.112	3.113	3.9	17.6
7 20	19 51.94	−29 13.5	2.109	3.117	2.8	17.6
7 30	19 42.81	−29 8.6	2.134	3.121	5.3	17.8
8 9	19 34.79	−28 54.5	2.186	3.125	8.4	18.0
8 19	19 28.57	−28 32.2	2.262	3.128	11.3	18.1

98786 2000 YR_{96} 7 18.7 171°.53 0°.1/18.7 18 R

6 10	20 20.00	−18 45.4	2.143	2.962	13.7	20.1
6 20	20 15.61	−19 16.7	2.059	2.964	10.7	19.9
6 30	20 9.10	−19 55.7	1.998	2.966	7.3	19.7
7 10	20 0.98	−20 39.4	1.962	2.968	3.5	19.5
7 20	19 51.98	−21 24.1	1.953	2.969	0.6	19.2
7 30	19 43.02	−22 6.1	1.973	2.970	4.5	19.5
8 9	19 35.05	−22 42.7	2.019	2.970	8.2	19.8
8 19	19 28.81	−23 12.3	2.091	2.970	11.5	20.0

439406 2013 BV_{69} 7 18.7 91°.82 0°.8/19.2 18

6 10	20 17.93	−17 6.9	2.118	2.938	13.8	21.7
6 20	20 13.95	−17 18.3	2.038	2.942	10.9	21.5
6 30	20 7.93	−17 37.5	1.979	2.946	7.5	21.3
7 10	20 0.39	−18 2.4	1.945	2.949	3.7	21.0
7 20	19 52.07	−18 30.4	1.937	2.953	0.9	20.8
7 30	19 43.83	−18 58.7	1.958	2.957	4.3	21.1
8 9	19 36.58	−19 24.9	2.005	2.960	8.0	21.3
8 19	19 31.00	−19 47.3	2.077	2.964	11.3	21.5

473132 2015 JZ_6 7 18.8 96°.16 2°.3/17.9 17

6 10	20 22.25	−26 3.1	1.858	2.693	14.8	21.2
6 20	20 17.73	−26 20.5	1.783	2.696	11.6	21.0
6 30	20 10.68	−26 39.6	1.728	2.700	8.0	20.8
7 10	20 1.76	−26 56.6	1.698	2.703	4.1	20.6
7 20	19 51.88	−27 7.4	1.694	2.706	2.5	20.5
7 30	19 42.19	−27 9.5	1.717	2.709	5.7	20.7
8 9	19 33.81	−27 2.1	1.766	2.712	9.5	20.9
8 19	19 27.58	−26 46.1	1.838	2.716	12.9	21.2

224942 2007 DG_{76} 7 18.8 124.°64 1.°4/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 21.83	−15 13.7	2.076	2.885	14.4	21.4
6 20	20 16.90	−15 28.2	2.005	2.901	11.4	21.2
6 30	20 9.85	−15 51.8	1.954	2.917	7.9	21.0
7 10	20 1.28	−16 22.5	1.929	2.931	4.1	20.8
7 20	19 51.95	−16 57.3	1.931	2.946	1.4	20.7
7 30	19 42.81	−17 33.2	1.962	2.959	4.5	20.9
8 9	19 34.75	−18 7.3	2.019	2.973	8.1	21.2
8 19	19 28.48	−18 37.6	2.102	2.985	11.3	21.4

496294 2013 AL_{94} 7 18.8 69.°30 16.°0/18.9 17

6 10	20 38.14	− 0 4.4	1.198	1.968	24.9	20.2
6 20	20 30.83	+ 3 48.5	1.144	1.984	21.9	20.0
6 30	20 19.88	+ 7 25.2	1.110	2.001	18.9	19.9
7 10	20 6.21	+10 31.1	1.098	2.018	16.7	19.8
7 20	19 51.25	+12 53.3	1.109	2.035	16.0	19.8
7 30	19 36.81	+14 25.1	1.143	2.052	17.0	20.0
8 9	19 24.56	+15 8.9	1.198	2.069	18.9	20.1
8 19	19 15.61	+15 13.2	1.270	2.086	21.2	20.4

434685 2006 BP_{39} 7 18.8 131.°66 1.°5/18.1 17

6 10	20 24.65	−24 44.7	2.253	3.070	13.2	21.9
6 20	20 18.99	−24 59.7	2.181	3.085	10.3	21.7
6 30	20 11.20	−25 16.5	2.132	3.100	7.0	21.5
7 10	20 1.89	−25 31.7	2.109	3.114	3.5	21.3
7 20	19 51.88	−25 42.5	2.114	3.127	1.7	21.2
7 30	19 42.10	−25 46.6	2.147	3.140	4.7	21.5
8 9	19 33.49	−25 43.6	2.209	3.152	8.1	21.7
8 19	19 26.71	−25 33.9	2.295	3.163	11.1	21.9

120795 1998 FR_{54} 7 18.8 189.°53 1.°8/19.7 18

6 10	20 20.74	−13 57.5	2.470	3.267	12.7	21.3
6 20	20 15.85	−14 3.9	2.377	3.265	10.2	21.1
6 30	20 9.10	−14 18.6	2.306	3.264	7.2	20.9
7 10	20 0.94	−14 40.4	2.262	3.261	3.9	20.7
7 20	19 52.02	−15 7.3	2.245	3.258	1.8	20.5
7 30	19 43.10	−15 37.1	2.257	3.254	4.1	20.7
8 9	19 35.01	−16 7.4	2.298	3.249	7.4	20.9
8 19	19 28.39	−16 36.3	2.364	3.243	10.4	21.1

342469 2008 UH_{125} 7 18.8 211.°21 6.°2/15.5 18

6 10	20 25.41	−37 0.9	2.230	3.049	13.2	21.2
6 20	20 20.24	−37 59.6	2.149	3.044	10.8	21.1
6 30	20 12.46	−38 54.2	2.091	3.039	8.4	20.9
7 10	20 2.67	−39 38.7	2.057	3.033	6.5	20.8
7 20	19 51.76	−40 7.2	2.049	3.026	6.4	20.8
7 30	19 40.93	−40 16.6	2.069	3.020	8.2	20.8
8 9	19 31.34	−40 6.6	2.113	3.012	10.6	21.0
8 19	19 23.91	−39 39.6	2.180	3.005	13.2	21.1

147996 1996 RD_{8} 7 18.8 342.°14 0.°9/19.2 18

6 10	20 17.77	−17 28.4	1.938	2.765	14.6	21.1
6 20	20 14.09	−17 34.5	1.855	2.763	11.6	20.9
6 30	20 8.18	−17 48.7	1.793	2.761	8.0	20.6
7 10	20 0.59	−18 8.8	1.755	2.760	4.0	20.4
7 20	19 52.09	−18 32.4	1.743	2.758	0.9	20.2
7 30	19 43.66	−18 56.5	1.758	2.757	4.7	20.4
8 9	19 36.28	−19 18.6	1.799	2.756	8.6	20.7
8 19	19 30.73	−19 37.1	1.864	2.755	12.1	20.9

16604 1993 FQ_{10} 7 18.8 222.°64 4.°7/16.2 18

6 10	20 22.02	−33 41.7	2.396	3.219	12.3	18.8
6 20	20 17.27	−34 27.2	2.312	3.213	9.9	18.6
6 30	20 10.28	−35 10.6	2.250	3.208	7.3	18.4
7 10	20 1.59	−35 46.9	2.215	3.202	5.2	18.3
7 20	19 51.97	−36 11.6	2.206	3.196	4.9	18.3
7 30	19 42.40	−36 21.9	2.224	3.190	6.7	18.4
8 9	19 33.89	−36 17.2	2.269	3.184	9.3	18.5
8 19	19 27.22	−35 58.9	2.337	3.177	11.9	18.7

16937 1998 FR_{117} 7 18.8 204.°72 3.°7/20.5 18

6 10	20 17.52	− 9 39.5	2.409	3.200	13.2	17.8
6 20	20 13.36	− 9 17.6	2.319	3.198	10.7	17.6
6 30	20 7.42	− 9 5.4	2.250	3.196	8.0	17.4
7 10	20 0.15	− 9 3.1	2.206	3.193	5.2	17.3
7 20	19 52.18	− 9 10.1	2.189	3.191	3.7	17.2
7 30	19 44.24	− 9 25.2	2.199	3.188	5.0	17.2
8 9	19 37.10	− 9 46.2	2.237	3.185	7.7	17.4
8 19	19 31.38	−10 10.9	2.300	3.182	10.5	17.6

486898 2014 KF_{93} 7 18.8 206.°88 3.°7/20.9 18

6 10	20 15.77	− 8 4.8	2.347	3.137	13.5	21.7
6 20	20 12.06	− 8 2.7	2.259	3.136	11.0	21.5
6 30	20 6.58	− 8 12.7	2.192	3.136	8.2	21.4
7 10	19 59.77	− 8 34.7	2.149	3.135	5.4	21.2
7 20	19 52.24	− 9 7.4	2.132	3.134	3.7	21.1
7 30	19 44.73	− 9 48.5	2.143	3.133	5.0	21.2
8 9	19 38.02	−10 34.8	2.181	3.132	7.7	21.3
8 19	19 32.71	−11 23.3	2.244	3.132	10.5	21.5

352910 2008 YQ_{122} 7 18.8 272.°75 0.°8/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 17.90	−15 52.9	1.945	2.768	14.7	21.0
6 20	20 14.34	−16 21.0	1.850	2.756	11.7	20.8
6 30	20 8.49	−17 0.3	1.776	2.743	8.1	20.5
7 10	20 0.83	−17 48.5	1.726	2.731	4.1	20.2
7 20	19 52.08	−18 42.0	1.702	2.718	0.9	20.0
7 30	19 43.23	−19 36.4	1.706	2.705	4.8	20.2
8 9	19 35.32	−20 27.8	1.736	2.692	8.9	20.5
8 19	19 29.22	−21 13.2	1.790	2.679	12.7	20.7

86146 1999 RA_{194} 7 18.8 281.°12 1.°1/19.3 18

6 10	20 17.61	−17 17.3	2.309	3.125	12.9	19.3
6 20	20 13.70	−17 15.4	2.207	3.109	10.3	19.1
6 30	20 7.82	−17 19.8	2.127	3.093	7.1	18.9
7 10	20 0.42	−17 29.2	2.072	3.076	3.7	18.7
7 20	19 52.15	−17 41.9	2.045	3.060	1.1	18.4
7 30	19 43.83	−17 55.9	2.045	3.044	4.2	18.6
8 9	19 36.31	−18 9.2	2.073	3.027	7.8	18.8
8 19	19 30.32	−18 20.7	2.125	3.011	11.1	19.0

472618 2015 DR_{168} 7 18.8 89.°44 4.°1/17.6 18

6 10	20 27.16	−31 5.6	1.724	2.557	15.9	20.3
6 20	20 21.75	−31 19.8	1.657	2.567	12.6	20.1
6 30	20 13.47	−31 31.1	1.611	2.577	8.9	19.9
7 10	20 3.11	−31 34.4	1.588	2.587	5.4	19.7
7 20	19 51.80	−31 25.3	1.592	2.597	4.2	19.7
7 30	19 40.91	−31 2.3	1.622	2.607	6.9	19.8
8 9	19 31.68	−30 26.5	1.678	2.616	10.5	20.1
8 19	19 24.99	−29 40.9	1.756	2.626	13.8	20.3

476678 2008 TP_{58} 7 18.8 271.°17 3.°1/17.4 18

6 10	20 21.85	−26 45.0	1.916	2.750	14.5	22.0
6 20	20 17.73	−27 21.1	1.818	2.732	11.5	21.8
6 30	20 10.98	−28 0.6	1.742	2.712	8.0	21.5
7 10	20 2.11	−28 38.7	1.690	2.693	4.5	21.3
7 20	19 51.94	−29 10.2	1.664	2.673	3.3	21.2
7 30	19 41.65	−29 31.0	1.665	2.653	6.4	21.3
8 9	19 32.45	−29 39.1	1.692	2.633	10.2	21.5
8 19	19 25.36	−29 34.8	1.742	2.613	13.9	21.7

318203 2004 RE_{143} 7 18.8 328.°78 0.°3/18.7 18

6 10	20 21.03	−24 7.6	1.748	2.586	15.5	19.6
6 20	20 17.12	−23 31.8	1.649	2.565	12.3	19.4
6 30	20 10.53	−22 55.3	1.572	2.545	8.5	19.1
7 10	20 1.86	−22 16.1	1.518	2.525	4.1	18.8
7 20	19 52.00	−21 33.2	1.490	2.505	0.7	18.5
7 30	19 42.16	−20 46.3	1.488	2.487	5.4	18.8
8 9	19 33.56	−19 56.4	1.512	2.470	9.9	19.0
8 19	19 27.15	−19 5.4	1.559	2.453	13.9	19.2

317439 2002 QM_{80} 7 18.8 325.°56 0.°4/18.9 18

6 10	20 19.85	−19 40.6	1.844	2.675	15.1	21.0
6 20	20 15.86	−19 36.2	1.761	2.672	11.9	20.8
6 30	20 9.47	−19 37.5	1.699	2.669	8.2	20.6
7 10	20 1.27	−19 42.7	1.660	2.667	4.0	20.3
7 20	19 52.09	−19 49.2	1.648	2.664	0.6	20.0
7 30	19 43.02	−19 54.8	1.663	2.662	4.9	20.3
8 9	19 35.10	−19 57.9	1.703	2.659	9.0	20.6
8 19	19 29.18	−19 57.7	1.766	2.657	12.7	20.8

91888 Tomskilling 7 18.8 207.°31 4.°1/20.9 18

6 10	20 17.18	− 7 45.4	2.611	3.390	12.6	19.7
6 20	20 12.97	− 7 17.6	2.518	3.387	10.4	19.5
6 30	20 7.10	− 6 59.3	2.447	3.384	7.9	19.3
7 10	20 0.02	− 6 51.3	2.401	3.380	5.5	19.2
7 20	19 52.28	− 6 53.2	2.381	3.377	4.1	19.1
7 30	19 44.56	− 7 4.4	2.390	3.373	5.1	19.2
8 9	19 37.57	− 7 22.8	2.425	3.369	7.5	19.3
8 19	19 31.87	− 7 46.3	2.486	3.364	10.0	19.5

235708 2004 TD_{56} 7 18.8 245.°35 1.°4/19.4 18

6 10	20 19.77	−15 44.8	2.022	2.838	14.5	21.0
6 20	20 15.68	−15 50.5	1.926	2.827	11.6	20.8
6 30	20 9.33	−16 5.1	1.851	2.815	8.1	20.6
7 10	20 1.23	−16 27.4	1.800	2.803	4.2	20.3
7 20	19 52.10	−16 54.7	1.777	2.791	1.5	20.1
7 30	19 42.92	−17 24.3	1.781	2.779	4.7	20.3
8 9	19 34.68	−17 53.3	1.811	2.766	8.7	20.5
8 19	19 28.22	−18 19.6	1.865	2.753	12.3	20.7

97455 2000 CL_{13} 7 18.8 203.°55 0.°5/19.1 18

6 10	20 16.92	−18 7.4	2.875	3.683	10.8	20.1
6 20	20 12.68	−18 17.4	2.782	3.680	8.5	19.9
6 30	20 6.87	−18 32.6	2.711	3.676	5.8	19.8
7 10	19 59.90	−18 51.3	2.668	3.672	2.9	19.6
7 20	19 52.31	−19 11.6	2.652	3.668	0.6	19.3
7 30	19 44.74	−19 31.7	2.666	3.663	3.5	19.6
8 9	19 37.85	−19 50.1	2.707	3.658	6.4	19.8
8 19	19 32.19	−20 5.5	2.775	3.653	9.1	19.9

293615 2007 LF_{17} 7 18.8 3.°85 3.°3/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 12.96	−23 26.7	0.880	1.776	22.1	19.9
6 20	20 12.70	−24 10.6	0.825	1.774	17.4	19.6
6 30	20 8.50	−25 4.9	0.786	1.773	11.9	19.3
7 10	20 1.17	−26 2.2	0.765	1.775	6.1	19.0
7 20	19 52.12	−26 53.4	0.764	1.778	3.6	18.9
7 30	19 43.34	−27 30.3	0.783	1.782	8.7	19.2
8 9	19 36.77	−27 48.9	0.821	1.789	14.3	19.5
8 19	19 33.67	−27 49.7	0.876	1.797	19.3	19.9

108451 2001 KG_{49} 7 18.8 34.°62 0.°8/19.1 17

6 10	20 19.54	−18 14.0	1.261	2.115	19.3	19.2
6 20	20 16.44	−18 16.7	1.201	2.125	15.2	19.0
6 30	20 10.24	−18 30.0	1.160	2.136	10.4	18.7
7 10	20 1.72	−18 51.0	1.140	2.147	5.1	18.5
7 20	19 52.06	−19 15.5	1.143	2.159	0.9	18.2
7 30	19 42.74	−19 39.6	1.170	2.171	6.0	18.6
8 9	19 35.15	−19 59.8	1.221	2.185	11.0	18.9
8 19	19 30.23	−20 14.5	1.292	2.198	15.4	19.2

27036 1998 RZ_{54} 7 18.8 283.°48 0.°3/18.7 18 R

6 10	20 23.16	−21 31.6	1.333	2.183	18.8	18.5
6 20	20 19.67	−21 25.9	1.246	2.168	15.0	18.2
6 30	20 12.80	−21 26.2	1.177	2.153	10.3	17.9
7 10	20 3.16	−21 29.6	1.130	2.138	5.0	17.5
7 20	19 51.84	−21 32.2	1.106	2.122	0.8	17.2
7 30	19 40.43	−21 30.7	1.107	2.107	6.6	17.5
8 9	19 30.60	−21 23.6	1.132	2.092	12.1	17.8
8 19	19 23.63	−21 10.9	1.176	2.078	17.0	18.0

234002 1997 CG_{11} 7 18.8 278.°12 0.°4/18.9 18

6 10	20 19.61	−17 42.6	1.906	2.731	14.9	21.5
6 20	20 15.92	−18 4.2	1.800	2.707	11.9	21.3
6 30	20 9.75	−18 35.7	1.714	2.683	8.2	21.0
7 10	20 1.56	−19 14.7	1.652	2.658	4.1	20.7
7 20	19 52.08	−19 57.8	1.616	2.632	0.6	20.4
7 30	19 42.35	−20 40.8	1.608	2.607	5.1	20.6
8 9	19 33.52	−21 20.0	1.626	2.581	9.5	20.8
8 19	19 26.59	−21 53.2	1.667	2.555	13.5	21.0

389033 2008 UN_{344} 7 18.8 218.°27 1.°8/18.0 16

6 10	20 21.49	−24 21.4	2.031	2.860	14.0	21.8
6 20	20 17.04	−24 43.7	1.945	2.856	11.0	21.6
6 30	20 10.25	−25 9.4	1.881	2.852	7.5	21.4
7 10	20 1.66	−25 34.9	1.842	2.848	3.8	21.2
7 20	19 52.09	−25 56.3	1.830	2.843	1.9	21.0
7 30	19 42.59	−26 10.7	1.845	2.839	5.3	21.2
8 9	19 34.19	−26 16.6	1.887	2.834	9.0	21.4
8 19	19 27.72	−26 14.0	1.953	2.829	12.4	21.6

392706 2012 BJ_{31} 7 18.8 51.°71 3.°1/17.9 17

6 10	20 25.27	−27 8.1	1.321	2.174	18.7	20.2
6 20	20 21.06	−27 20.7	1.258	2.181	14.7	20.0
6 30	20 13.45	−27 34.4	1.213	2.188	10.2	19.8
7 10	20 3.29	−27 43.8	1.190	2.195	5.4	19.5
7 20	19 51.88	−27 43.7	1.191	2.202	3.3	19.4
7 30	19 40.88	−27 31.3	1.216	2.210	7.2	19.7
8 9	19 31.83	−27 6.9	1.265	2.218	11.8	20.0
8 19	19 25.74	−26 33.1	1.335	2.226	16.0	20.2

38979 2000 UB_{2} 7 18.8 282.°82 1.°9/17.8 18

6 10	20 18.32	−24 12.0	2.203	3.033	13.0	19.2
6 20	20 14.50	−24 44.7	2.107	3.019	10.2	19.0
6 30	20 8.53	−25 21.7	2.034	3.005	7.0	18.7
7 10	20 0.87	−25 59.4	1.986	2.991	3.6	18.5
7 20	19 52.22	−26 33.9	1.965	2.977	2.1	18.4
7 30	19 43.52	−27 1.8	1.971	2.963	5.1	18.6
8 9	19 35.73	−27 20.8	2.004	2.949	8.6	18.7
8 19	19 29.64	−27 30.6	2.061	2.935	11.9	18.9

47524 2000 AJ_{90} 7 18.8 230.°65 0.°8/19.1 18

6 10	20 20.79	−18 47.3	2.016	2.837	14.3	19.6
6 20	20 16.39	−18 38.4	1.929	2.834	11.3	19.4
6 30	20 9.74	−18 35.1	1.863	2.831	7.8	19.2
7 10	20 1.40	−18 35.8	1.822	2.827	3.9	18.9
7 20	19 52.16	−18 38.5	1.808	2.824	0.9	18.7
7 30	19 43.00	−18 41.4	1.822	2.820	4.6	19.0
8 9	19 34.90	−18 42.9	1.861	2.816	8.5	19.2
8 19	19 28.64	−18 42.5	1.925	2.813	12.0	19.4

102280 1999 TE_{59} 7 18.8 168.°73 2.°1/19.8 18

6 10	20 18.90	−13 55.8	1.961	2.776	14.9	20.7
6 20	20 14.93	−13 58.0	1.878	2.777	11.9	20.5
6 30	20 8.77	−14 10.6	1.816	2.777	8.4	20.3
7 10	20 0.95	−14 32.3	1.777	2.778	4.7	20.1
7 20	19 52.23	−15 0.7	1.766	2.778	2.1	19.9
7 30	19 43.58	−15 33.1	1.781	2.779	4.8	20.1
8 9	19 35.96	−16 6.4	1.823	2.779	8.6	20.3
8 19	19 30.13	−16 38.0	1.888	2.779	12.0	20.5

342338 2008 TE_{121} 7 18.8 249.°20 0.°7/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 20.30	−20 7.3	2.106	2.929	13.8	20.9
6 20	20 16.16	−20 42.2	2.007	2.914	10.9	20.7
6 30	20 9.73	−21 25.0	1.929	2.898	7.4	20.5
7 10	20 1.49	−22 12.4	1.876	2.882	3.6	20.2
7 20	19 52.15	−23 0.4	1.850	2.866	1.0	20.0
7 30	19 42.67	−23 44.8	1.853	2.849	4.9	20.2
8 9	19 34.09	−24 22.4	1.882	2.832	8.8	20.4
8 19	19 27.28	−24 51.8	1.936	2.814	12.4	20.6

371602 2006 WO_{146} 7 18.8 214.°43 1.°0/18.4 17

6 10	20 22.94	−21 38.4	1.921	2.747	14.8	22.6
6 20	20 18.35	−22 3.4	1.832	2.741	11.6	22.4
6 30	20 11.26	−22 34.4	1.764	2.734	7.9	22.2
7 10	20 2.22	−23 8.1	1.721	2.727	3.8	21.9
7 20	19 52.06	−23 40.2	1.705	2.720	1.2	21.7
7 30	19 41.89	−24 7.1	1.716	2.712	5.2	22.0
8 9	19 32.84	−24 26.5	1.753	2.703	9.4	22.2
8 19	19 25.83	−24 37.6	1.815	2.694	13.0	22.4

67868 2000 WY_{30} 7 18.8 335.°83 0.°8/18.4 18

6 10	20 15.06	−18 3.7	1.158	2.025	19.8	18.8
6 20	20 13.62	−18 52.6	1.083	2.015	15.8	18.6
6 30	20 8.85	−19 58.7	1.025	2.005	10.8	18.2
7 10	20 1.35	−21 17.3	0.987	1.996	5.2	17.9
7 20	19 52.16	−22 40.5	0.972	1.988	1.2	17.6
7 30	19 42.87	−23 59.3	0.980	1.981	7.1	18.0
8 9	19 35.18	−25 6.3	1.010	1.974	12.7	18.2
8 19	19 30.37	−25 57.5	1.059	1.969	17.6	18.5

470676 2008 SQ_{235} 7 18.8 310.°96 1.°6/18.3 18

6 10	20 19.58	−23 51.0	1.491	2.342	17.0	20.9
6 20	20 16.72	−23 56.7	1.391	2.314	13.6	20.6
6 30	20 10.77	−24 6.8	1.310	2.286	9.4	20.3
7 10	20 2.23	−24 17.7	1.251	2.258	4.7	20.0
7 20	19 52.04	−24 25.2	1.216	2.231	1.8	19.7
7 30	19 41.59	−24 25.3	1.206	2.204	6.5	19.9
8 9	19 32.42	−24 16.5	1.219	2.178	11.7	20.1
8 19	19 25.79	−23 58.9	1.254	2.152	16.3	20.3

31760 1999 JG_{101} 7 18.8 216.°84 1.°4/17.9 18

6 10	20 20.89	−20 35.5	2.050	2.874	14.0	18.6
6 20	20 16.66	−21 32.0	1.960	2.868	11.0	18.3
6 30	20 10.08	−22 37.3	1.891	2.862	7.5	18.1
7 10	20 1.66	−23 47.2	1.848	2.855	3.6	17.9
7 20	19 52.14	−24 56.2	1.833	2.847	1.6	17.7
7 30	19 42.53	−25 59.3	1.846	2.839	5.2	17.9
8 9	19 33.88	−26 52.6	1.886	2.831	9.1	18.1
8 19	19 27.08	−27 34.3	1.950	2.823	12.5	18.3

292760 2006 UQ_{186} 7 18.8 280.°73 0.°5/18.6 17

6 10	20 21.99	−20 45.7	1.630	2.466	16.5	21.4
6 20	20 18.31	−20 57.7	1.527	2.442	13.2	21.1
6 30	20 11.69	−21 17.3	1.444	2.416	9.1	20.8
7 10	20 2.63	−21 41.4	1.384	2.391	4.4	20.5
7 20	19 51.99	−22 6.1	1.349	2.365	0.9	20.2
7 30	19 41.06	−22 27.2	1.340	2.339	6.0	20.4
8 9	19 31.27	−22 41.9	1.356	2.312	10.9	20.7
8 19	19 23.82	−22 49.0	1.394	2.285	15.4	20.9

253644 2003 UP_{125} 7 18.8 253.°58 3.°3/17.2 18

6 10	20 22.84	−24 52.0	1.676	2.515	16.0	20.9
6 20	20 18.95	−25 52.4	1.584	2.501	12.7	20.6
6 30	20 12.10	−27 0.6	1.514	2.486	8.8	20.4
7 10	20 2.81	−28 10.5	1.467	2.470	4.8	20.1
7 20	19 51.98	−29 14.8	1.445	2.455	3.6	20.0
7 30	19 40.95	−30 7.1	1.451	2.439	7.1	20.2
8 9	19 31.15	−30 43.6	1.481	2.422	11.4	20.4
8 19	19 23.75	−31 3.7	1.533	2.405	15.4	20.6

230066 2000 TR_{59} 7 18.8 313.°98 0.°5/19.1 18

6 10	20 15.21	−14 57.0	1.469	2.313	17.6	19.6
6 20	20 13.19	−15 47.5	1.370	2.289	14.1	19.3
6 30	20 8.35	−16 57.0	1.291	2.265	9.9	19.0
7 10	20 1.09	−18 22.8	1.235	2.241	4.9	18.6
7 20	19 52.22	−19 59.1	1.202	2.218	0.7	18.3
7 30	19 43.00	−21 37.7	1.195	2.196	6.1	18.6
8 9	19 34.86	−23 10.5	1.212	2.174	11.3	18.8
8 19	19 29.03	−24 31.6	1.251	2.153	16.1	19.0

443547 2014 KE_{13} 7 18.8 28.°15 1.°8/17.8 18

6 10	20 17.66	−23 31.0	2.034	2.869	13.7	21.5
6 20	20 14.01	−24 8.9	1.958	2.873	10.7	21.3
6 30	20 8.16	−24 51.5	1.904	2.877	7.3	21.1
7 10	20 0.68	−25 34.9	1.875	2.881	3.6	20.9
7 20	19 52.32	−26 14.8	1.873	2.886	2.0	20.8
7 30	19 44.07	−26 47.7	1.898	2.891	5.2	21.0
8 9	19 36.88	−27 11.3	1.948	2.896	8.7	21.3
8 19	19 31.50	−27 25.2	2.023	2.901	11.9	21.5

354776 2005 UK_{125} 7 18.8 60°.45 6°.8/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 22.52	−37 55.1	2.120	2.946	13.6	20.5
6 20	20 18.02	−39 6.2	2.062	2.959	11.1	20.3
6 30	20 10.97	−40 11.9	2.026	2.972	8.7	20.2
7 10	20 2.03	−41 5.7	2.014	2.985	7.0	20.1
7 20	19 52.15	−41 42.0	2.028	2.999	7.0	20.1
7 30	19 42.49	−41 57.9	2.068	3.012	8.6	20.3
8 9	19 34.18	−41 53.6	2.132	3.026	10.8	20.4
8 19	19 28.06	−41 31.8	2.218	3.040	13.1	20.6

309199 2007 EZ_{199} 7 18.8 335°.87 7°.5/17.1 18

6 10	20 25.06	−36 47.3	1.369	2.220	18.3	19.3
6 20	20 21.43	−37 14.5	1.294	2.210	15.0	19.0
6 30	20 14.06	−37 34.1	1.238	2.200	11.4	18.8
7 10	20 3.76	−37 38.0	1.202	2.191	8.4	18.6
7 20	19 51.90	−37 19.3	1.189	2.182	7.7	18.5
7 30	19 40.34	−36 35.0	1.200	2.174	10.1	18.6
8 9	19 30.85	−35 27.9	1.233	2.168	13.8	18.8
8 19	19 24.61	−34 4.2	1.286	2.162	17.5	19.0

357871 2005 UN_{365} 7 18.8 268°.52 0°.7/18.4 18

6 10	20 17.52	−21 1.1	2.293	3.118	12.7	21.5
6 20	20 13.66	−21 28.5	2.205	3.114	10.0	21.3
6 30	20 7.83	−22 1.6	2.139	3.110	6.8	21.1
7 10	20 0.51	−22 37.4	2.099	3.106	3.2	20.9
7 20	19 52.35	−23 12.6	2.086	3.102	0.9	20.7
7 30	19 44.22	−23 44.3	2.101	3.097	4.4	21.0
8 9	19 36.96	−24 10.1	2.143	3.093	7.9	21.2
8 19	19 31.28	−24 29.0	2.210	3.089	11.0	21.4

8797 Duffard 7 18.8 3°.65 0°.1/18.8 18

6 10	20 15.93	−19 51.1	1.697	2.540	15.6	17.7
6 20	20 13.02	−20 1.4	1.621	2.540	12.3	17.5
6 30	20 7.68	−20 19.0	1.566	2.540	8.4	17.3
7 10	20 0.50	−20 41.2	1.534	2.542	4.0	17.0
7 20	19 52.36	−21 4.6	1.528	2.544	0.6	16.8
7 30	19 44.33	−21 26.0	1.547	2.546	5.1	17.1
8 9	19 37.52	−21 42.9	1.590	2.550	9.3	17.4
8 19	19 32.73	−21 54.0	1.657	2.554	13.1	17.6

122330 2000 QL_{23} 7 18.8 297°.44 0°.5/18.9 18

6 10	20 20.59	−19 59.3	1.629	2.467	16.4	19.9
6 20	20 17.00	−19 49.6	1.535	2.450	13.1	19.6
6 30	20 10.64	−19 45.7	1.460	2.432	9.1	19.4
7 10	20 2.05	−19 45.8	1.409	2.415	4.5	19.1
7 20	19 52.14	−19 47.3	1.382	2.398	0.7	18.7
7 30	19 42.13	−19 47.7	1.382	2.381	5.6	19.0
8 9	19 33.35	−19 45.4	1.406	2.365	10.3	19.3
8 19	19 26.84	−19 39.8	1.452	2.348	14.6	19.5

316218 2010 NF_{27} 7 18.8 213°.12 4°.7/16.2 18

6 10	20 22.76	−36 3.6	2.805	3.617	11.0	21.6
6 20	20 17.56	−36 39.9	2.718	3.611	8.9	21.5
6 30	20 10.37	−37 12.5	2.655	3.605	6.7	21.3
7 10	20 1.68	−37 37.1	2.618	3.598	5.0	21.2
7 20	19 52.21	−37 50.1	2.608	3.592	4.8	21.2
7 30	19 42.82	−37 49.4	2.627	3.584	6.3	21.3
8 9	19 34.37	−37 34.9	2.671	3.577	8.5	21.4
8 19	19 27.55	−37 8.2	2.740	3.569	10.7	21.5

375950 2009 WL_{165} 7 18.8 26°.66 6°.4/15.6 17

6 10	20 20.99	−31 2.3	1.503	2.356	16.8	19.8
6 20	20 17.74	−32 31.0	1.439	2.359	13.4	19.6
6 30	20 11.31	−34 1.5	1.396	2.364	9.8	19.4
7 10	20 2.40	−35 24.8	1.376	2.368	7.0	19.3
7 20	19 52.10	−36 31.9	1.380	2.374	6.7	19.3
7 30	19 41.94	−37 16.6	1.409	2.379	9.4	19.4
8 9	19 33.40	−37 37.2	1.460	2.385	12.8	19.7
8 19	19 27.60	−37 35.9	1.532	2.391	16.1	19.9

231956 2001 OQ_{58} 7 18.8 343°.91 9°.6/16.9 16

6 10	20 18.48	−38 13.4	1.050	1.927	20.7	18.6
6 20	20 17.36	−38 47.3	0.980	1.910	17.2	18.3
6 30	20 11.92	−39 10.9	0.926	1.894	13.5	18.0
7 10	20 2.95	−39 14.0	0.891	1.880	10.4	17.8
7 20	19 52.02	−38 47.6	0.875	1.868	9.8	17.7
7 30	19 41.36	−37 47.8	0.880	1.858	12.3	17.8
8 9	19 33.15	−36 18.6	0.904	1.850	16.2	18.0
8 19	19 28.74	−34 28.8	0.945	1.843	20.4	18.2

102785 1999 VW_{152} 7 18.8 41°.64 3°.6/20.1 17

6 10	20 19.73	−12 30.1	1.405	2.238	18.8	20.0
6 20	20 16.34	−12 13.8	1.335	2.243	15.2	19.8
6 30	20 10.11	−12 11.7	1.285	2.248	10.9	19.6
7 10	20 1.73	−12 23.2	1.255	2.254	6.4	19.4
7 20	19 52.21	−12 46.4	1.249	2.260	3.6	19.2
7 30	19 42.87	−13 17.9	1.268	2.266	6.3	19.4
8 9	19 35.01	−13 53.4	1.311	2.273	10.7	19.6
8 19	19 29.55	−14 29.2	1.376	2.279	14.8	19.9

415108 2012 CK_{34} 7 18.8 234°.93 1°.2/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 24.57	−22 9.7	1.683	2.515	16.3	21.8
6 20	20 20.09	−22 29.0	1.592	2.504	12.9	21.6
6 30	20 12.73	−22 54.6	1.521	2.493	8.8	21.3
7 10	20 3.06	−23 22.6	1.474	2.481	4.3	21.0
7 20	19 52.02	−23 48.5	1.453	2.468	1.4	20.8
7 30	19 40.90	−24 8.3	1.459	2.455	5.9	21.0
8 9	19 31.08	−24 19.6	1.490	2.441	10.5	21.3
8 19	19 23.62	−24 22.3	1.543	2.427	14.6	21.5

313641 2003 SH_{59} 7 18.8 335°.75 1°.6/18.5 18

6 10	20 21.55	−27 5.7	1.785	2.624	15.2	19.2
6 20	20 17.49	−26 39.0	1.691	2.607	12.0	18.9
6 30	20 10.77	−26 9.8	1.619	2.592	8.3	18.7
7 10	20 2.02	−25 35.7	1.571	2.577	4.2	18.4
7 20	19 52.17	−24 54.8	1.548	2.562	1.8	18.2
7 30	19 42.43	−24 6.6	1.552	2.549	5.5	18.4
8 9	19 34.00	−23 12.3	1.582	2.537	9.8	18.7
8 19	19 27.78	−22 14.5	1.635	2.525	13.6	18.9

263468 2008 EG_{53} 7 18.8 175°.03 3°.4/17.2 17

6 10	20 23.14	−25 50.0	1.697	2.535	15.9	21.0
6 20	20 18.91	−26 45.2	1.621	2.537	12.5	20.8
6 30	20 11.85	−27 45.5	1.566	2.537	8.6	20.6
7 10	20 2.59	−28 44.6	1.535	2.538	4.8	20.4
7 20	19 52.10	−29 36.1	1.530	2.538	3.6	20.3
7 30	19 41.67	−30 14.7	1.551	2.539	6.8	20.5
8 9	19 32.62	−30 38.2	1.598	2.538	10.8	20.7
8 19	19 25.95	−30 46.9	1.666	2.538	14.4	20.9

393440 2001 TZ_{149} 7 18.8 308°.40 4°.4/16.5 18

6 10	20 18.42	−28 18.9	1.809	2.654	14.8	20.6
6 20	20 15.40	−29 19.2	1.711	2.629	11.8	20.4
6 30	20 9.66	−30 24.1	1.633	2.604	8.4	20.1
7 10	20 1.65	−31 27.8	1.579	2.579	5.3	19.9
7 20	19 52.21	−32 23.7	1.551	2.554	4.7	19.8
7 30	19 42.51	−33 5.8	1.549	2.530	7.5	19.9
8 9	19 33.89	−33 30.9	1.571	2.506	11.3	20.1
8 19	19 27.45	−33 39.0	1.615	2.483	14.9	20.2

299700 2006 QA_{149} 7 18.8 268°.40 1°.9/19.8 18

6 10	20 17.26	−13 46.0	2.097	2.910	14.1	20.4
6 20	20 13.60	−13 58.1	2.006	2.905	11.3	20.2
6 30	20 7.88	−14 20.7	1.937	2.899	8.0	20.0
7 10	20 0.58	−14 52.6	1.892	2.893	4.4	19.8
7 20	19 52.39	−15 31.1	1.873	2.887	1.9	19.6
7 30	19 44.17	−16 13.2	1.882	2.881	4.5	19.8
8 9	19 36.86	−16 55.6	1.918	2.875	8.2	20.0
8 19	19 31.18	−17 35.5	1.978	2.869	11.6	20.2

478316 2011 WU_{79} 7 18.8 188°.39 1°.7/19.8 18

6 10	20 17.88	−14 25.0	2.594	3.395	12.1	22.1
6 20	20 13.59	−14 24.0	2.503	3.395	9.6	21.9
6 30	20 7.60	−14 30.3	2.435	3.394	6.8	21.7
7 10	20 0.35	−14 42.8	2.393	3.393	3.7	21.5
7 20	19 52.43	−15 0.2	2.378	3.391	1.7	21.4
7 30	19 44.54	−15 20.5	2.393	3.389	3.9	21.5
8 9	19 37.42	−15 41.9	2.434	3.387	6.9	21.7
8 19	19 31.64	−16 2.6	2.502	3.385	9.8	21.9

509823 2008 WA_{74} 7 18.8 215°.84 2°.5/17.2 18

6 10	20 21.26	−25 17.9	2.405	3.225	12.3	22.6
6 20	20 16.67	−26 13.6	2.312	3.218	9.7	22.4
6 30	20 9.96	−27 13.7	2.242	3.209	6.7	22.2
7 10	20 1.60	−28 13.7	2.198	3.201	3.7	22.0
7 20	19 52.26	−29 8.9	2.183	3.191	2.7	21.9
7 30	19 42.83	−29 55.4	2.196	3.181	5.3	22.1
8 9	19 34.26	−30 30.6	2.237	3.171	8.5	22.2
8 19	19 27.33	−30 54.0	2.303	3.160	11.4	22.4

516283 2016 WL_{27} 7 18.8 276°.48 5°.8/22.0 18

6 10	20 15.60	− 3 0.6	2.305	3.075	14.3	21.9
6 20	20 12.03	− 2 37.5	2.215	3.071	12.1	21.7
6 30	20 6.67	− 2 28.8	2.144	3.066	9.6	21.5
7 10	19 59.96	− 2 35.5	2.096	3.062	7.2	21.4
7 20	19 52.49	− 2 57.6	2.074	3.058	5.8	21.3
7 30	19 45.02	− 3 33.7	2.079	3.053	6.4	21.3
8 9	19 38.32	− 4 20.5	2.109	3.049	8.6	21.4
8 19	19 33.03	− 5 14.5	2.164	3.045	11.1	21.6

442988 2013 CK_{166} 7 18.8 237°.34 4°.9/16.2 18

6 10	20 22.39	−34 21.7	2.378	3.200	12.4	21.1
6 20	20 17.67	−35 5.7	2.293	3.193	10.0	21.0
6 30	20 10.66	−35 47.1	2.230	3.186	7.4	20.8
7 10	20 1.92	−36 20.8	2.193	3.179	5.4	20.7
7 20	19 52.22	−36 42.5	2.183	3.172	5.1	20.6
7 30	19 42.58	−36 49.2	2.199	3.164	6.9	20.7
8 9	19 34.01	−36 40.5	2.242	3.156	9.5	20.9
8 19	19 27.30	−36 18.0	2.308	3.148	12.0	21.0

280909 2005 YM_{41} 7 18.8 265°.02 3°.2/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 18.71	−27 42.3	2.423	3.250	12.0	21.0
6 20	20 14.72	−28 35.5	2.329	3.238	9.5	20.8
6 30	20 8.66	−29 31.4	2.258	3.226	6.6	20.6
7 10	20 0.98	−30 25.6	2.214	3.213	4.0	20.4
7 20	19 52.35	−31 13.7	2.197	3.201	3.4	20.4
7 30	19 43.64	−31 51.7	2.207	3.188	5.7	20.5
8 9	19 35.77	−32 17.8	2.245	3.175	8.6	20.7
8 19	19 29.51	−32 31.6	2.306	3.162	11.5	20.8

295118 2008 FL_{11} 7 18.8 72°.22 3°.8/21.1 18

6 10	20 16.21	− 7 44.7	2.164	2.957	14.4	20.8
6 20	20 12.59	− 7 50.4	2.082	2.962	11.8	20.7
6 30	20 7.07	− 8 9.9	2.022	2.967	8.8	20.5
7 10	20 0.15	− 8 42.7	1.985	2.972	5.7	20.3
7 20	19 52.48	− 9 27.1	1.974	2.977	3.8	20.2
7 30	19 44.87	−10 19.9	1.991	2.983	5.1	20.3
8 9	19 38.13	−11 17.5	2.034	2.988	8.0	20.5
8 19	19 32.92	−12 15.9	2.102	2.993	11.0	20.7

470697 2008 TS_{61} 7 18.8 308°.13 1°.4/18.3 16

6 10	20 20.25	−22 57.8	1.688	2.529	15.8	21.9
6 20	20 16.60	−23 15.8	1.605	2.522	12.5	21.7
6 30	20 10.26	−23 39.0	1.541	2.515	8.5	21.4
7 10	20 1.84	−24 3.8	1.502	2.509	4.2	21.2
7 20	19 52.25	−24 26.0	1.487	2.502	1.6	21.0
7 30	19 42.69	−24 41.9	1.499	2.496	5.7	21.2
8 9	19 34.42	−24 49.6	1.536	2.490	10.1	21.5
8 19	19 28.37	−24 48.9	1.595	2.484	14.0	21.7

299722 2006 RP_{26} 7 18.8 222°.64 0°.6/19.2 18

6 10	20 18.39	−17 22.9	2.368	3.182	12.7	21.8
6 20	20 14.25	−17 36.9	2.276	3.176	10.0	21.6
6 30	20 8.20	−17 58.0	2.205	3.170	6.9	21.4
7 10	20 0.71	−18 24.2	2.160	3.164	3.4	21.2
7 20	19 52.41	−18 53.2	2.142	3.158	0.7	21.0
7 30	19 44.10	−19 22.3	2.153	3.151	4.1	21.2
8 9	19 36.62	−19 49.2	2.191	3.145	7.5	21.4
8 19	19 30.65	−20 12.3	2.255	3.138	10.7	21.6

473902 2016 ED_{148} 7 18.8 171°.94 1°.1/18.4 17

6 10	20 24.52	−20 26.7	1.650	2.481	16.6	21.9
6 20	20 19.94	−21 5.9	1.573	2.484	13.1	21.7
6 30	20 12.54	−21 54.1	1.515	2.487	8.9	21.5
7 10	20 2.93	−22 46.7	1.482	2.489	4.3	21.2
7 20	19 52.10	−23 38.1	1.475	2.490	1.3	21.0
7 30	19 41.34	−24 23.2	1.494	2.491	5.8	21.3
8 9	19 31.95	−24 58.5	1.540	2.491	10.3	21.6
8 19	19 24.92	−25 22.9	1.608	2.490	14.2	21.8

505444 2013 SY_{76} 7 18.8 288°.40 4°.6/20.6 17

6 10	20 18.45	− 9 51.7	1.559	2.379	17.9	21.3
6 20	20 15.32	− 9 34.1	1.469	2.366	14.7	21.0
6 30	20 9.50	− 9 31.6	1.398	2.354	10.9	20.8
7 10	20 1.54	− 9 44.9	1.349	2.342	7.0	20.5
7 20	19 52.29	−10 13.0	1.323	2.330	4.6	20.3
7 30	19 42.92	−10 53.1	1.323	2.318	6.6	20.4
8 9	19 34.72	−11 40.7	1.346	2.306	10.7	20.6
8 19	19 28.68	−12 31.3	1.392	2.294	14.8	20.8

491385 2012 BL_{149} 7 18.8 274°.84 5°.3/16.4 17

6 10	20 23.24	−28 5.6	1.459	2.309	17.4	21.3
6 20	20 19.94	−29 18.0	1.369	2.290	13.9	21.0
6 30	20 13.21	−30 37.6	1.299	2.270	10.0	20.7
7 10	20 3.56	−31 56.2	1.251	2.251	6.3	20.4
7 20	19 51.99	−33 4.6	1.228	2.231	5.7	20.3
7 30	19 40.10	−33 54.3	1.229	2.210	9.1	20.5
8 9	19 29.65	−34 21.7	1.254	2.190	13.5	20.7
8 19	19 22.06	−34 27.3	1.299	2.170	17.7	20.9

225857 2001 XA_{177} 7 18.8 154°.20 0°.1/18.9 18

6 10	20 20.72	−17 53.5	1.958	2.780	14.7	20.5
6 20	20 16.45	−18 27.6	1.878	2.784	11.6	20.3
6 30	20 9.89	−19 11.0	1.820	2.789	7.9	20.1
7 10	20 1.58	−20 0.4	1.787	2.792	3.8	19.8
7 20	19 52.33	−20 51.5	1.780	2.796	0.5	19.6
7 30	19 43.13	−21 40.3	1.801	2.799	4.7	19.9
8 9	19 35.02	−22 23.3	1.849	2.802	8.7	20.2
8 19	19 28.78	−22 58.5	1.921	2.805	12.2	20.4

91908 1999 VK_{27} 7 18.8 292°.99 3°.9/16.9 18

6 10	20 20.19	−30 42.3	2.222	3.052	12.9	18.2
6 20	20 16.05	−31 16.7	2.133	3.042	10.2	18.0
6 30	20 9.64	−31 50.5	2.066	3.031	7.3	17.8
7 10	20 1.47	−32 19.4	2.024	3.021	4.7	17.6
7 20	19 52.34	−32 39.0	2.009	3.010	4.0	17.6
7 30	19 43.23	−32 46.4	2.021	3.000	6.3	17.7
8 9	19 35.16	−32 40.9	2.058	2.989	9.3	17.9
8 19	19 28.94	−32 23.3	2.119	2.979	12.2	18.0

177015 2003 BL_{36} 7 18.8 29°.35 3°.2/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 15.23	− 9 19.5	1.743	2.559	16.4	19.4
6 20	20 12.28	− 9 45.1	1.673	2.569	13.3	19.2
6 30	20 7.09	−10 27.5	1.622	2.579	9.6	19.0
7 10	20 0.24	−11 24.9	1.594	2.590	5.8	18.8
7 20	19 52.51	−12 33.8	1.592	2.602	3.2	18.7
7 30	19 44.91	−13 49.1	1.616	2.614	5.2	18.9
8 9	19 38.41	−15 5.2	1.665	2.626	8.9	19.1
8 19	19 33.76	−16 17.3	1.739	2.639	12.4	19.3

147970 1994 UV_{3} 7 18.8 189°.66 0°.6/19.1 18

6 10	20 22.61	−17 53.4	2.040	2.855	14.4	21.5
6 20	20 17.84	−18 3.1	1.953	2.854	11.4	21.3
6 30	20 10.80	−18 20.2	1.887	2.853	7.8	21.1
7 10	20 2.01	−18 42.5	1.846	2.851	3.9	20.9
7 20	19 52.27	−19 7.1	1.833	2.848	0.7	20.6
7 30	19 42.58	−19 31.2	1.847	2.845	4.6	20.9
8 9	19 33.93	−19 52.5	1.889	2.842	8.6	21.1
8 19	19 27.13	−20 9.5	1.954	2.837	12.1	21.3

433085 2012 TL_{76} 7 18.8 357°.98 8°.8/22.8 18

6 10	20 16.31	− 0 8.7	1.668	2.448	18.5	20.7
6 20	20 13.27	+ 0 43.8	1.590	2.446	15.9	20.5
6 30	20 7.87	+ 1 16.6	1.530	2.446	13.1	20.3
7 10	20 0.67	+ 1 26.4	1.490	2.445	10.5	20.2
7 20	19 52.46	+ 1 11.7	1.472	2.445	8.9	20.1
7 30	19 44.29	+ 0 33.6	1.479	2.445	9.4	20.1
8 9	19 37.22	− 0 23.2	1.509	2.446	11.6	20.2
8 19	19 32.07	− 1 32.8	1.560	2.447	14.4	20.4

16949 1998 HS_{133} 7 18.8 291°.41 3°.7/20.9 18

6 10	20 15.79	− 8 24.4	2.140	2.937	14.4	18.2
6 20	20 12.43	− 8 27.5	2.045	2.927	11.8	18.0
6 30	20 7.10	− 8 44.3	1.970	2.918	8.8	17.8
7 10	20 0.26	− 9 14.5	1.919	2.908	5.7	17.6
7 20	19 52.52	− 9 56.6	1.894	2.899	3.8	17.5
7 30	19 44.74	−10 47.8	1.896	2.889	5.2	17.5
8 9	19 37.77	−11 44.4	1.925	2.880	8.3	17.7
8 19	19 32.33	−12 42.3	1.978	2.871	11.5	17.9

414105 2007 TT_{332} 7 18.8 183°.11 0°.6/18.6 17

6 10	20 24.98	−21 2.9	1.831	2.654	15.5	22.4
6 20	20 20.01	−21 20.5	1.748	2.655	12.2	22.2
6 30	20 12.44	−21 44.3	1.686	2.655	8.3	21.9
7 10	20 2.87	−22 10.8	1.649	2.655	4.0	21.7
7 20	19 52.20	−22 36.2	1.638	2.654	0.9	21.4
7 30	19 41.62	−22 56.9	1.655	2.652	5.2	21.7
8 9	19 32.29	−23 11.0	1.699	2.650	9.5	22.0
8 19	19 25.13	−23 17.9	1.766	2.647	13.2	22.2

352527 2008 CT_{144} 7 18.8 353°.70 3°.2/17.9 18

6 10	20 22.23	−29 45.2	1.771	2.611	15.2	19.8
6 20	20 18.02	−29 44.8	1.692	2.607	12.1	19.6
6 30	20 11.11	−29 42.0	1.634	2.605	8.4	19.3
7 10	20 2.20	−29 32.8	1.600	2.602	4.8	19.1
7 20	19 52.30	−29 14.0	1.591	2.601	3.4	19.0
7 30	19 42.63	−28 44.0	1.609	2.599	6.3	19.2
8 9	19 34.38	−28 3.8	1.652	2.599	10.0	19.4
8 19	19 28.43	−27 15.7	1.718	2.599	13.5	19.6

262151 2006 SU_{75} 7 18.8 244°.44 1°.8/19.6 17

6 10	20 20.64	−14 57.7	1.661	2.487	16.7	21.4
6 20	20 16.89	−15 4.9	1.574	2.480	13.4	21.1
6 30	20 10.49	−15 24.0	1.507	2.473	9.4	20.9
7 10	20 2.01	−15 53.2	1.463	2.466	5.0	20.6
7 20	19 52.31	−16 29.6	1.444	2.458	1.8	20.4
7 30	19 42.58	−17 9.2	1.451	2.451	5.4	20.6
8 9	19 34.03	−17 48.1	1.484	2.443	9.9	20.8
8 19	19 27.64	−18 23.4	1.539	2.435	14.0	21.1

345858 2007 PE_{28} 7 18.8 22°.74 1°.8/19.2 17

6 10	20 22.62	−20 12.2	1.335	2.183	18.8	19.4
6 20	20 18.64	−19 15.1	1.273	2.192	14.9	19.2
6 30	20 11.64	−18 21.9	1.230	2.203	10.3	18.9
7 10	20 2.46	−17 32.4	1.209	2.214	5.3	18.7
7 20	19 52.29	−16 46.9	1.212	2.227	1.9	18.5
7 30	19 42.58	−16 5.6	1.240	2.240	6.0	18.8
8 9	19 34.62	−15 28.9	1.292	2.255	10.7	19.1
8 19	19 29.29	−14 57.0	1.366	2.270	14.9	19.4

445820 2012 BQ_{131} 7 18.8 235°.86 7°.3/15.7 18

6 10	20 28.22	−44 1.5	2.456	3.255	12.7	20.6
6 20	20 22.31	−44 38.5	2.381	3.254	10.8	20.4
6 30	20 13.81	−45 6.1	2.328	3.252	8.9	20.3
7 10	20 3.43	−45 18.7	2.299	3.250	7.6	20.2
7 20	19 52.16	−45 11.9	2.296	3.248	7.5	20.2
7 30	19 41.19	−44 44.0	2.319	3.246	8.7	20.3
8 9	19 31.65	−43 56.5	2.366	3.244	10.5	20.4
8 19	19 24.35	−42 53.3	2.437	3.242	12.5	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
67614 2000 SU_{162}			7 18.8 246°.21		0°.9/18.5 18	
	h m	° ′			°	m
6 10	20 24.16	−22 2.6	1.612	2.448	16.7	20.1
6 20	20 19.90	−22 13.1	1.523	2.437	13.2	19.8
6 30	20 12.69	−22 29.4	1.454	2.426	9.1	19.5
7 10	20 3.13	−22 48.1	1.408	2.415	4.4	19.2
7 20	19 52.19	−23 5.0	1.388	2.403	1.2	19.0
7 30	19 41.21	−23 16.4	1.394	2.391	5.9	19.3
8 9	19 31.58	−23 20.5	1.424	2.379	10.6	19.5
8 19	19 24.37	−23 17.1	1.478	2.366	14.9	19.7
521368 2015 MZ_{139}			7 18.8 292°.99		5°.7/16.6 18	
6 10	20 24.55	−36 42.8	2.183	3.005	13.4	21.4
6 20	20 19.57	−37 13.0	2.101	2.999	10.9	21.2
6 30	20 12.06	−37 37.8	2.041	2.994	8.3	21.0
7 10	20 2.66	−37 52.0	2.006	2.988	6.2	20.9
7 20	19 52.29	−37 51.2	1.997	2.982	5.8	20.8
7 30	19 42.10	−37 33.2	2.014	2.977	7.5	20.9
8 9	19 33.20	−36 58.6	2.057	2.972	10.1	21.1
8 19	19 26.45	−36 10.4	2.123	2.966	12.8	21.2
124939 2001 TA_{79}			7 18.8 129°.45		4°.7/20.6 18	
6 10	20 22.42	− 9 53.4	1.494	2.310	18.7	19.1
6 20	20 18.31	− 9 30.9	1.422	2.316	15.3	18.9
6 30	20 11.43	− 9 23.8	1.368	2.322	11.3	18.7
7 10	20 2.43	− 9 32.3	1.336	2.328	7.2	18.5
7 20	19 52.31	− 9 55.2	1.328	2.334	4.7	18.4
7 30	19 42.34	−10 29.4	1.345	2.339	6.7	18.5
8 9	19 33.78	−11 10.5	1.387	2.344	10.7	18.7
8 19	19 27.55	−11 54.2	1.451	2.348	14.6	19.0
88005 2000 UR_{44}			7 18.8 229°.76		5°.8/15.3 18	
6 10	20 21.48	−35 32.1	2.290	3.116	12.7	19.1
6 20	20 17.16	−36 39.0	2.214	3.114	10.3	19.0
6 30	20 10.45	−37 43.3	2.160	3.112	7.9	18.8
7 10	20 1.92	−38 39.0	2.132	3.111	6.1	18.7
7 20	19 52.38	−39 20.9	2.130	3.109	6.0	18.7
7 30	19 42.87	−39 45.3	2.154	3.107	7.7	18.8
8 9	19 34.47	−39 51.5	2.203	3.106	10.1	18.9
8 19	19 28.02	−39 41.1	2.276	3.104	12.6	19.1
66613 1999 RR_{199}			7 18.8 223°.36		3°.1/19.9 18	
6 10	20 21.49	−13 17.7	2.050	2.855	14.7	19.3
6 20	20 16.92	−12 46.8	1.959	2.850	11.9	19.1
6 30	20 10.17	−12 23.9	1.889	2.844	8.6	18.8
7 10	20 1.75	−12 9.0	1.843	2.839	5.2	18.6
7 20	19 52.42	−12 1.7	1.824	2.833	3.1	18.5
7 30	19 43.12	−12 0.9	1.833	2.826	5.2	18.6
8 9	19 34.81	−12 5.0	1.868	2.820	8.7	18.8
8 19	19 28.26	−12 12.4	1.927	2.813	12.1	19.0
62150 2000 SE_{20}			7 18.8 133°.18		3°.2/17.5 18	
6 10	20 23.51	−30 45.8	2.383	3.203	12.4	19.4
6 20	20 18.26	−30 59.9	2.305	3.209	9.8	19.2
6 30	20 10.90	−31 11.9	2.250	3.214	6.9	19.0
7 10	20 2.02	−31 18.0	2.221	3.219	4.2	18.8
7 20	19 52.40	−31 15.4	2.219	3.223	3.3	18.8
7 30	19 42.99	−31 2.4	2.246	3.228	5.5	18.9
8 9	19 34.70	−30 39.2	2.299	3.232	8.3	19.1
8 19	19 28.21	−30 7.4	2.377	3.236	11.1	19.3
296586 2009 RB_{25}			7 18.8 10°.38		1°.2/19.3 17	
6 10	20 16.22	−17 14.7	1.183	2.046	19.8	20.6
6 20	20 14.20	−17 17.4	1.119	2.047	15.7	20.4
6 30	20 9.01	−17 32.8	1.073	2.050	10.9	20.1
7 10	20 1.39	−17 58.2	1.047	2.054	5.5	19.8
7 20	19 52.47	−18 29.5	1.044	2.060	1.3	19.5
7 30	19 43.77	−19 2.0	1.064	2.066	6.2	19.9
8 9	19 36.74	−19 31.4	1.105	2.073	11.4	20.2
8 19	19 32.43	−19 55.0	1.167	2.082	16.0	20.5
178782 2001 AA_{46}			7 18.8 282°.99		14°.6/13.8 18	
6 10	20 44.58	−52 52.0	1.576	2.363	19.1	20.0
6 20	20 38.41	−54 7.4	1.491	2.338	17.3	19.8
6 30	20 26.74	−55 7.3	1.423	2.312	15.7	19.6
7 10	20 10.36	−55 36.8	1.375	2.285	14.7	19.5
7 20	19 51.27	−55 22.9	1.348	2.258	14.9	19.4
7 30	19 32.52	−54 19.4	1.341	2.231	16.2	19.5
8 9	19 17.07	−52 30.7	1.355	2.204	18.5	19.5
8 19	19 6.65	−50 8.4	1.388	2.176	21.0	19.6
17610 1995 UJ_{1}			7 18.8 299°.31		5°.4/21.5 18	R
6 10	20 15.94	− 5 31.1	2.108	2.894	14.9	17.6
6 20	20 12.56	− 5 8.1	2.014	2.885	12.5	17.4
6 30	20 7.22	− 4 59.0	1.940	2.875	9.7	17.2
7 10	20 0.35	− 5 4.9	1.890	2.866	7.0	17.0
7 20	19 52.61	− 5 25.6	1.864	2.857	5.4	16.9
7 30	19 44.83	− 5 59.5	1.865	2.848	6.3	16.9
8 9	19 37.88	− 6 43.4	1.891	2.839	8.9	17.1
8 19	19 32.48	− 7 33.5	1.942	2.830	11.9	17.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
56148 1999 CP_{93}			7 18.8 246°.19		1°.7/19.7 18	
	h m	° ′			°	m
6 10	20 20.40	−14 20.5	1.911	2.725	15.3	19.8
6 20	20 16.43	−14 33.8	1.813	2.713	12.2	19.6
6 30	20 10.08	−14 58.6	1.736	2.699	8.6	19.3
7 10	20 1.82	−15 33.3	1.684	2.685	4.7	19.1
7 20	19 52.41	−16 15.0	1.657	2.671	1.8	18.8
7 30	19 42.88	−17 0.2	1.658	2.657	5.0	19.0
8 9	19 34.31	−17 45.0	1.685	2.641	9.1	19.3
8 19	19 27.60	−18 26.5	1.736	2.626	13.0	19.5
123128 2000 TW_{8}			7 18.9 329°.83		0°.4/19.0 18	
6 10	20 18.05	−18 35.3	2.134	2.957	13.6	20.4
6 20	20 14.20	−18 45.3	2.049	2.956	10.7	20.2
6 30	20 8.30	−19 2.0	1.986	2.954	7.3	20.0
7 10	20 0.84	−19 23.2	1.948	2.953	3.6	19.7
7 20	19 52.56	−19 46.3	1.936	2.952	0.5	19.5
7 30	19 44.33	−20 8.8	1.952	2.951	4.3	19.8
8 9	19 37.05	−20 28.4	1.995	2.950	8.0	20.0
8 19	19 31.44	−20 43.8	2.062	2.949	11.3	20.2
157315 2004 SP_{38}			7 18.9 282°.64		0°.7/18.5 18	
6 10	20 17.64	−21 29.6	2.356	3.180	12.4	20.5
6 20	20 13.84	−21 50.7	2.257	3.165	9.8	20.3
6 30	20 8.07	−22 16.8	2.180	3.150	6.7	20.1
7 10	20 0.76	−22 45.4	2.128	3.135	3.2	19.8
7 20	19 52.57	−23 13.5	2.104	3.119	0.9	19.6
7 30	19 44.31	−23 38.2	2.108	3.104	4.4	19.9
8 9	19 36.86	−23 57.5	2.139	3.089	7.9	20.1
8 19	19 30.95	−24 10.5	2.194	3.074	11.0	20.2
75738 2000 AF_{145}			7 18.9 355°.71		5°.0/15.1 18	R
6 10	20 16.39	−17 29.0	1.122	1.989	20.4	17.5
6 20	20 15.10	−20 36.4	1.050	1.983	16.0	17.2
6 30	20 10.29	−24 16.2	0.998	1.979	10.8	16.9
7 10	20 2.36	−28 13.9	0.970	1.977	6.0	16.6
7 20	19 52.31	−32 8.1	0.969	1.975	5.9	16.6
7 30	19 41.85	−35 36.6	0.994	1.975	10.7	16.8
8 9	19 32.94	−38 25.1	1.042	1.976	15.8	17.1
8 19	19 27.21	−40 29.3	1.110	1.979	20.2	17.4
523128 2016 ST_{53}			7 18.9 235°.49		0°.5/18.6 18	
6 10	20 19.25	−20 43.2	2.351	3.170	12.6	22.2
6 20	20 15.05	−21 6.1	2.256	3.161	9.9	22.0
6 30	20 8.86	−21 34.6	2.183	3.152	6.8	21.8
7 10	20 1.13	−22 5.9	2.137	3.143	3.2	21.6
7 20	19 52.52	−22 37.1	2.117	3.133	0.8	21.3
7 30	19 43.89	−23 5.2	2.126	3.123	4.3	21.6
8 9	19 36.10	−23 28.0	2.163	3.113	7.8	21.8
8 19	19 29.88	−23 44.6	2.224	3.102	11.0	22.0
311139 2004 RQ_{155}			7 18.9 18°.13		1°.5/18.3 18	
6 10	20 20.68	−25 17.8	2.142	2.970	13.4	20.3
6 20	20 16.25	−25 18.7	2.061	2.971	10.5	20.1
6 30	20 9.65	−25 20.6	2.003	2.973	7.1	19.9
7 10	20 1.47	−25 20.9	1.969	2.975	3.6	19.7
7 20	19 52.49	−25 17.1	1.963	2.977	1.6	19.5
7 30	19 43.68	−25 7.5	1.984	2.979	4.8	19.8
8 9	19 35.97	−24 51.6	2.032	2.981	8.3	20.0
8 19	19 30.06	−24 30.3	2.104	2.984	11.5	20.2
11736 Viktorfischl			7 18.9 101°.40		1°.5/18.2 18	
6 10	20 24.14	−22 9.1	1.649	2.483	16.4	17.9
6 20	20 19.48	−22 43.8	1.585	2.499	12.8	17.7
6 30	20 12.10	−23 24.8	1.542	2.514	8.7	17.5
7 10	20 2.71	−24 7.4	1.522	2.529	4.2	17.3
7 20	19 52.33	−24 46.5	1.529	2.543	1.7	17.2
7 30	19 42.23	−25 17.8	1.562	2.558	5.7	17.5
8 9	19 33.59	−25 39.0	1.621	2.571	9.9	17.7
8 19	19 27.30	−25 50.1	1.702	2.585	13.6	18.0
185113 2006 SP_{48}			7 18.9 281°.16		2°.8/19.9 18	
6 10	20 20.58	−13 40.2	1.645	2.468	17.0	20.5
6 20	20 17.13	−13 31.4	1.540	2.443	13.8	20.3
6 30	20 10.91	−13 34.5	1.454	2.417	10.0	20.0
7 10	20 2.38	−13 49.0	1.391	2.391	5.7	19.7
7 20	19 52.34	−14 13.3	1.352	2.365	2.8	19.4
7 30	19 41.99	−14 44.6	1.340	2.338	6.0	19.5
8 9	19 32.65	−15 19.1	1.352	2.311	10.7	19.7
8 19	19 25.45	−15 53.7	1.386	2.284	15.1	19.9
227371 2005 UT_{191}			7 18.9 52°.11		0°.8/18.6 17	
6 10	20 21.31	−21 20.3	1.528	2.371	17.1	20.4
6 20	20 17.49	−21 36.4	1.461	2.380	13.4	20.2
6 30	20 10.87	−21 59.3	1.415	2.389	9.1	20.0
7 10	20 2.17	−22 25.1	1.391	2.398	4.3	19.7
7 20	19 52.41	−22 49.6	1.392	2.408	1.1	19.5
7 30	19 42.90	−23 9.0	1.419	2.417	5.7	19.8
8 9	19 34.89	−23 21.3	1.470	2.427	10.1	20.1
8 19	19 29.27	−23 25.9	1.544	2.438	14.1	20.4

272641 2005 WC_{91} 7 18.9 166°.12 2°.2/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 23.93	−25 24.5	2.100	2.923	13.8	21.4
6 20	20 18.90	−25 53.3	2.020	2.927	10.8	21.2
6 30	20 11.53	−26 24.8	1.963	2.931	7.4	21.0
7 10	20 2.41	−26 54.8	1.930	2.934	3.9	20.8
7 20	19 52.38	−27 19.3	1.926	2.937	2.3	20.7
7 30	19 42.46	−27 35.4	1.949	2.939	5.3	20.9
8 9	19 33.69	−27 41.7	1.999	2.941	8.8	21.1
8 19	19 26.86	−27 38.7	2.073	2.942	12.0	21.4

456238 2006 MA_{8} 7 18.9 348°.56 0°.2/18.9 17

6 10	20 15.28	−16 28.4	1.164	2.027	20.0	20.3
6 20	20 13.72	−17 9.9	1.092	2.021	15.9	20.0
6 30	20 8.92	−18 9.4	1.037	2.016	11.0	19.7
7 10	20 1.48	−19 22.6	1.004	2.012	5.3	19.4
7 20	19 52.48	−20 42.6	0.992	2.008	0.7	19.0
7 30	19 43.46	−22 0.8	1.004	2.006	6.6	19.4
8 9	19 36.04	−23 9.8	1.038	2.004	12.2	19.7
8 19	19 31.43	−24 5.1	1.091	2.004	17.0	20.0

256592 2007 UT_{34} 7 18.9 261°.32 3°.5/19.9 17

6 10	20 22.73	−13 48.1	1.558	2.381	17.7	21.3
6 20	20 18.77	−13 16.2	1.466	2.368	14.4	21.0
6 30	20 11.94	−12 54.2	1.393	2.355	10.4	20.7
7 10	20 2.82	−12 42.3	1.343	2.341	6.2	20.5
7 20	19 52.32	−12 40.0	1.317	2.328	3.5	20.3
7 30	19 41.72	−12 45.6	1.317	2.313	6.4	20.4
8 9	19 32.36	−12 56.8	1.341	2.299	10.9	20.6
8 19	19 25.33	−13 11.2	1.388	2.285	15.1	20.8

53382 1999 JL_{91} 7 18.9 197°.63 2°.6/17.0 18

6 10	20 20.06	−25 10.7	2.480	3.301	12.0	18.9
6 20	20 15.68	−26 15.3	2.392	3.299	9.4	18.7
6 30	20 9.30	−27 24.4	2.328	3.296	6.4	18.5
7 10	20 1.36	−28 33.5	2.291	3.293	3.6	18.3
7 20	19 52.52	−29 37.8	2.282	3.290	2.8	18.3
7 30	19 43.62	−30 33.1	2.303	3.286	5.2	18.4
8 9	19 35.54	−31 16.8	2.350	3.282	8.2	18.6
8 19	19 29.02	−31 48.1	2.423	3.278	11.0	18.8

273302 2006 SS_{118} 7 18.9 227°.54 2°.2/17.9 17

6 10	20 24.78	−24 50.4	2.053	2.875	14.1	22.2
6 20	20 19.84	−25 22.2	1.956	2.863	11.1	21.9
6 30	20 12.39	−25 58.0	1.882	2.850	7.7	21.7
7 10	20 2.95	−26 33.5	1.832	2.836	4.0	21.4
7 20	19 52.32	−27 4.3	1.810	2.822	2.4	21.3
7 30	19 41.60	−27 26.6	1.816	2.807	5.6	21.5
8 9	19 31.94	−27 38.4	1.849	2.791	9.4	21.7
8 19	19 24.28	−27 39.9	1.905	2.774	12.9	21.9

396222 2014 AB_{15} 7 18.9 256°.69 4°.9/21.0 16

6 10	20 18.97	− 7 29.6	1.963	2.756	15.7	21.6
6 20	20 15.18	− 7 10.2	1.864	2.743	13.0	21.4
6 30	20 9.16	− 7 4.5	1.786	2.729	9.9	21.2
7 10	20 1.37	− 7 13.2	1.730	2.714	6.8	21.0
7 20	19 52.53	− 7 36.1	1.700	2.700	4.9	20.8
7 30	19 43.58	− 8 11.3	1.697	2.685	6.2	20.9
8 9	19 35.51	− 8 55.2	1.719	2.670	9.4	21.0
8 19	19 29.18	− 9 44.1	1.765	2.655	12.8	21.2

355662 2008 EC_{114} 7 18.9 26°.20 2°.3/18.2 15

6 10	20 20.09	−26 25.7	1.594	2.442	16.2	20.0
6 20	20 16.34	−26 29.6	1.537	2.458	12.7	19.8
6 30	20 9.92	−26 34.4	1.500	2.475	8.6	19.6
7 10	20 1.64	−26 36.3	1.487	2.492	4.4	19.4
7 20	19 52.52	−26 32.1	1.498	2.511	2.4	19.3
7 30	19 43.82	−26 19.8	1.535	2.530	5.8	19.6
8 9	19 36.65	−25 59.5	1.597	2.550	9.8	19.9
8 19	19 31.78	−25 32.5	1.681	2.571	13.3	20.2

447225 2005 UK_{35} 7 18.9 324°.81 4°.4/20.9 15

6 10	20 16.58	− 8 29.8	2.139	2.935	14.4	21.6
6 20	20 13.00	− 8 2.9	2.050	2.931	11.9	21.4
6 30	20 7.47	− 7 47.4	1.982	2.926	9.0	21.2
7 10	20 0.48	− 7 43.9	1.938	2.922	6.1	21.0
7 20	19 52.68	− 7 52.3	1.919	2.918	4.4	20.9
7 30	19 44.89	− 8 11.0	1.927	2.914	5.7	21.0
8 9	19 37.97	− 8 37.5	1.960	2.911	8.5	21.2
8 19	19 32.60	− 9 9.0	2.018	2.907	11.5	21.3

245517 2005 SE_{90} 7 18.9 327°.49 5°.3/21.3 18

6 10	20 15.75	− 6 32.8	2.016	2.811	15.3	20.0
6 20	20 12.50	− 6 5.4	1.927	2.804	12.7	19.8
6 30	20 7.22	− 5 51.5	1.858	2.797	9.8	19.6
7 10	20 0.39	− 5 52.1	1.811	2.791	6.9	19.4
7 20	19 52.69	− 6 7.2	1.789	2.784	5.3	19.3
7 30	19 44.98	− 6 35.1	1.794	2.778	6.3	19.4
8 9	19 38.15	− 7 12.9	1.823	2.773	9.1	19.5
8 19	19 32.93	− 7 56.8	1.877	2.768	12.1	19.7

349298 2007 TX_{447} 7 18.9 230°.40 2°.9/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 20.60	−26 19.1	2.197	3.025	13.1	20.9
6 20	20 16.41	−27 11.8	2.109	3.019	10.3	20.7
6 30	20 9.95	−28 8.3	2.043	3.012	7.1	20.5
7 10	20 1.74	−29 3.8	2.003	3.005	4.0	20.3
7 20	19 52.51	−29 53.4	1.990	2.997	3.1	20.2
7 30	19 43.24	−30 33.0	2.005	2.989	5.8	20.3
8 9	19 34.92	−31 0.2	2.046	2.982	9.1	20.5
8 19	19 28.40	−31 15.0	2.111	2.973	12.1	20.7

163990 2003 UN_{147} 7 18.9 291°.26 7°.4/14.5 18

6 10	20 22.32	−35 45.2	1.835	2.672	14.9	19.6
6 20	20 18.69	−37 14.4	1.752	2.658	12.2	19.4
6 30	20 12.07	−38 42.9	1.691	2.645	9.6	19.2
7 10	20 2.97	−40 2.4	1.653	2.631	7.7	19.0
7 20	19 52.34	−41 4.6	1.641	2.617	7.8	19.0
7 30	19 41.56	−41 43.5	1.654	2.604	9.9	19.1
8 9	19 32.09	−41 57.4	1.690	2.591	12.8	19.3
8 19	19 25.11	−41 48.5	1.746	2.577	15.6	19.4

10821 Kimuratakeshi 7 18.9 285°.60 2°.6/19.7 18

6 10	20 20.38	−14 49.5	1.448	2.283	18.2	17.8
6 20	20 17.25	−14 37.9	1.354	2.265	14.8	17.6
6 30	20 11.13	−14 38.2	1.280	2.248	10.6	17.3
7 10	20 2.54	−14 49.7	1.227	2.230	5.9	16.9
7 20	19 52.40	−15 10.5	1.198	2.212	2.6	16.7
7 30	19 42.06	−15 37.2	1.194	2.194	6.2	16.9
8 9	19 32.97	−16 6.2	1.213	2.176	11.3	17.1
8 19	19 26.33	−16 34.3	1.254	2.158	15.9	17.3

180350 2003 YR_{73} 7 18.9 240°.56 1°.1/18.3 18

6 10	20 19.99	−22 3.0	2.052	2.880	13.9	20.6
6 20	20 15.93	−22 28.5	1.965	2.875	10.9	20.3
6 30	20 9.61	−22 59.4	1.899	2.870	7.4	20.1
7 10	20 1.57	−23 32.4	1.859	2.865	3.6	19.9
7 20	19 52.55	−24 3.8	1.845	2.860	1.3	19.7
7 30	19 43.55	−24 30.3	1.859	2.855	4.9	19.9
8 9	19 35.57	−24 49.6	1.899	2.849	8.7	20.2
8 19	19 29.41	−25 1.0	1.963	2.844	12.1	20.4

174601 2003 QA_{78} 7 18.9 313°.05 3°.9/19.9 18

6 10	20 17.54	−13 48.0	1.266	2.114	19.6	19.2
6 20	20 15.39	−13 17.2	1.177	2.094	16.0	18.9
6 30	20 10.07	−12 58.5	1.105	2.074	11.7	18.6
7 10	20 2.11	−12 52.9	1.053	2.054	6.9	18.3
7 20	19 52.46	−12 59.8	1.024	2.035	3.9	18.1
7 30	19 42.60	−13 16.8	1.017	2.017	7.1	18.2
8 9	19 34.09	−13 40.5	1.033	1.999	12.3	18.4
8 19	19 28.24	−14 7.2	1.068	1.982	17.2	18.6

368032 2012 GT_{30} 7 18.9 165°.42 3°.2/20.4 17

6 10	20 21.78	−10 38.1	1.821	2.625	16.3	21.7
6 20	20 17.42	−10 45.1	1.740	2.630	13.2	21.5
6 30	20 10.66	−11 6.1	1.679	2.633	9.6	21.3
7 10	20 2.09	−11 40.3	1.641	2.636	5.7	21.0
7 20	19 52.50	−12 25.1	1.629	2.639	3.2	20.9
7 30	19 42.97	−13 16.6	1.645	2.641	5.4	21.0
8 9	19 34.56	−14 10.5	1.687	2.643	9.2	21.3
8 19	19 28.10	−15 3.1	1.753	2.644	12.8	21.5

330317 2006 UK_{55} 7 18.9 152°.94 5°.5/21.2 17

6 10	20 21.89	− 6 37.8	1.896	2.683	16.4	21.6
6 20	20 17.31	− 6 5.2	1.817	2.689	13.6	21.4
6 30	20 10.47	− 5 46.4	1.758	2.695	10.4	21.2
7 10	20 1.95	− 5 42.8	1.721	2.700	7.3	21.1
7 20	19 52.53	− 5 54.1	1.710	2.705	5.5	21.0
7 30	19 43.20	− 6 18.6	1.726	2.710	6.7	21.1
8 9	19 34.97	− 6 53.0	1.767	2.714	9.5	21.2
8 19	19 28.59	− 7 33.5	1.833	2.717	12.7	21.4

86591 2000 EP_{63} 7 18.9 30°.66 4°.6/20.7 18

6 10	20 16.91	−10 8.8	1.031	1.887	22.6	18.6
6 20	20 14.96	−10 4.8	0.977	1.896	18.3	18.4
6 30	20 9.63	−10 23.4	0.939	1.907	13.3	18.1
7 10	20 1.75	−11 3.9	0.919	1.919	8.1	17.9
7 20	19 52.55	−12 2.1	0.921	1.931	4.6	17.7
7 30	19 43.66	−13 11.1	0.944	1.945	7.3	18.0
8 9	19 36.62	−14 22.8	0.989	1.959	12.2	18.3
8 19	19 32.50	−15 30.4	1.054	1.974	16.8	18.6

60212 1999 VB_{79} 7 18.9 345°.13 3°.8/16.9 18

6 10	20 20.01	−30 21.7	2.283	3.112	12.6	18.8
6 20	20 15.82	−31 3.3	2.204	3.112	10.0	18.6
6 30	20 9.45	−31 44.6	2.147	3.112	7.1	18.4
7 10	20 1.45	−32 21.1	2.115	3.111	4.5	18.3
7 20	19 52.59	−32 48.6	2.110	3.111	4.0	18.3
7 30	19 43.80	−33 4.3	2.133	3.111	6.1	18.4
8 9	19 36.05	−33 7.1	2.181	3.111	8.9	18.6
8 19	19 30.08	−32 57.9	2.254	3.110	11.7	18.7

65154 2002 CH_{138} 7 18.9 157°.91 3°.0/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 16.59	− 9 49.1	2.364	3.158	13.3	19.7
6 20	20 12.81	− 9 55.1	2.277	3.160	10.8	19.6
6 30	20 7.25	−10 12.5	2.211	3.161	7.9	19.4
7 10	20 0.35	−10 40.6	2.171	3.162	4.9	19.2
7 20	19 52.74	−11 17.7	2.157	3.163	3.0	19.1
7 30	19 45.16	−12 1.3	2.170	3.164	4.5	19.2
8 9	19 38.36	−12 48.2	2.212	3.165	7.4	19.4
8 19	19 32.98	−13 35.4	2.278	3.166	10.4	19.6

373689 2002 RN_{76} 7 18.9 313°.40 2°.6/17.9 18 R

6 10	20 18.32	−24 11.3	1.288	2.152	18.5	20.4
6 20	20 16.33	−24 37.1	1.195	2.125	14.8	20.0
6 30	20 10.94	−25 10.2	1.119	2.098	10.3	19.7
7 10	20 2.63	−25 45.9	1.065	2.072	5.3	19.4
7 20	19 52.41	−26 17.8	1.033	2.047	2.9	19.1
7 30	19 41.85	−26 39.9	1.025	2.022	7.6	19.3
8 9	19 32.73	−26 48.5	1.039	1.998	13.0	19.5
8 19	19 26.49	−26 43.5	1.072	1.975	18.0	19.8

11184 Postma 7 18.9 301°.40 5°.3/21.8 18

6 10	20 15.13	− 4 43.9	2.105	2.890	15.0	17.5
6 20	20 12.04	− 4 36.3	2.004	2.874	12.6	17.2
6 30	20 6.95	− 4 44.4	1.924	2.858	9.8	17.0
7 10	20 0.31	− 5 9.0	1.866	2.843	7.0	16.8
7 20	19 52.74	− 5 49.5	1.833	2.827	5.3	16.7
7 30	19 45.06	− 6 43.8	1.827	2.812	6.2	16.7
8 9	19 38.14	− 7 47.7	1.847	2.797	8.9	16.9
8 19	19 32.76	− 8 56.8	1.890	2.782	12.0	17.0

234095 1999 TO_{184} 7 18.9 320°.33 3°.5/18.1 18

6 10	20 23.92	−29 49.4	1.523	2.370	16.9	19.3
6 20	20 20.06	−29 44.4	1.434	2.353	13.6	19.0
6 30	20 13.00	−29 36.6	1.364	2.336	9.6	18.7
7 10	20 3.39	−29 20.9	1.317	2.320	5.4	18.5
7 20	19 52.35	−28 53.4	1.294	2.305	3.7	18.3
7 30	19 41.37	−28 12.2	1.297	2.289	7.1	18.5
8 9	19 31.99	−27 18.6	1.323	2.275	11.6	18.7
8 19	19 25.32	−26 16.1	1.372	2.261	15.7	18.9

163352 2002 NR_{42} 7 18.9 335°.29 3°.5/17.3 18

6 10	20 20.32	−27 7.5	1.769	2.612	15.2	19.7
6 20	20 16.68	−27 51.6	1.691	2.608	12.0	19.4
6 30	20 10.38	−28 38.8	1.634	2.606	8.3	19.2
7 10	20 2.02	−29 23.7	1.600	2.603	4.8	19.0
7 20	19 52.53	−30 0.8	1.593	2.600	3.7	18.9
7 30	19 43.10	−30 25.8	1.611	2.598	6.6	19.1
8 9	19 34.94	−30 36.9	1.654	2.596	10.4	19.3
8 19	19 29.00	−30 34.7	1.719	2.594	13.8	19.5

505405 2013 QO_{76} 7 18.9 333°.93 5°.3/21.0 17

6 10	20 15.56	− 8 52.2	1.279	2.116	20.1	21.2
6 20	20 13.59	− 8 35.9	1.200	2.106	16.6	20.9
6 30	20 8.66	− 8 39.0	1.138	2.097	12.5	20.6
7 10	20 1.35	− 9 2.8	1.095	2.089	8.1	20.4
7 20	19 52.61	− 9 45.9	1.075	2.082	5.3	20.2
7 30	19 43.81	−10 44.1	1.078	2.075	7.4	20.3
8 9	19 36.38	−11 51.1	1.103	2.069	11.7	20.5
8 19	19 31.43	−13 0.1	1.149	2.064	16.2	20.8

200298 2000 AS_{229} 7 18.9 174°.06 2°.8/19.9 18

6 10	20 21.95	−13 23.6	2.287	3.084	13.6	20.6
6 20	20 17.00	−12 55.4	2.200	3.086	10.9	20.4
6 30	20 10.08	−12 34.4	2.134	3.088	7.9	20.3
7 10	20 1.72	−12 20.5	2.094	3.089	4.7	20.1
7 20	19 52.60	−12 13.3	2.081	3.090	2.8	19.9
7 30	19 43.57	−12 11.6	2.097	3.091	4.7	20.1
8 9	19 35.46	−12 14.0	2.140	3.091	7.9	20.3
8 19	19 28.96	−12 19.2	2.209	3.090	10.9	20.5

508547 2016 TK_{90} 7 18.9 213°.38 4°.3/16.3 18

6 10	20 20.68	−31 32.2	2.322	3.149	12.5	21.4
6 20	20 16.39	−32 26.5	2.242	3.148	9.9	21.2
6 30	20 9.89	−33 20.4	2.184	3.146	7.2	21.0
7 10	20 1.71	−34 8.9	2.152	3.144	4.9	20.9
7 20	19 52.59	−34 47.3	2.147	3.142	4.5	20.8
7 30	19 43.51	−35 12.1	2.169	3.140	6.5	21.0
8 9	19 35.45	−35 22.2	2.217	3.138	9.2	21.1
8 19	19 29.18	−35 18.6	2.289	3.136	11.9	21.3

513547 2010 MG_{40} 7 18.9 221°.25 4°.3/17.0 18

6 10	20 24.07	−34 7.4	2.423	3.241	12.3	21.6
6 20	20 18.86	−34 29.2	2.339	3.238	9.9	21.4
6 30	20 11.44	−34 47.1	2.278	3.235	7.3	21.3
7 10	20 2.39	−34 57.1	2.242	3.231	5.0	21.1
7 20	19 52.52	−34 55.5	2.233	3.228	4.5	21.1
7 30	19 42.80	−34 40.5	2.253	3.224	6.3	21.2
8 9	19 34.19	−34 12.6	2.298	3.221	8.9	21.3
8 19	19 27.45	−33 33.6	2.368	3.217	11.5	21.5

44974 1999 VT_{114} 7 18.9 344°.50 6°.3/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 17.74	−12 39.9	1.138	1.991	21.1	17.7
6 20	20 15.60	−11 18.5	1.064	1.981	17.3	17.4
6 30	20 10.16	−10 6.9	1.007	1.973	13.0	17.2
7 10	20 2.09	− 9 8.6	0.970	1.965	8.6	16.9
7 20	19 52.53	− 8 26.6	0.953	1.958	6.3	16.7
7 30	19 43.03	− 8 1.9	0.959	1.953	8.7	16.9
8 9	19 35.17	− 7 53.2	0.986	1.949	13.2	17.1
8 19	19 30.11	− 7 57.3	1.032	1.946	17.6	17.3

234307 2001 AO_{37} 7 18.9 224°.17 2°.8/17.2 18

6 10	20 23.43	−27 22.3	2.619	3.433	11.6	22.1
6 20	20 18.31	−28 8.0	2.518	3.419	9.2	21.9
6 30	20 11.12	−28 55.9	2.441	3.405	6.4	21.7
7 10	20 2.30	−29 42.1	2.390	3.390	3.7	21.5
7 20	19 52.52	−30 22.3	2.368	3.374	2.9	21.4
7 30	19 42.63	−30 53.2	2.375	3.357	5.2	21.5
8 9	19 33.53	−31 13.0	2.410	3.339	8.2	21.7
8 19	19 25.99	−31 21.7	2.470	3.321	11.0	21.9

504832 2010 NE 7 18.9 8°.49 0°.7/19.0 17

6 10	20 12.10	−21 24.6	0.787	1.689	23.3	19.5
6 20	20 12.17	−20 50.4	0.739	1.690	18.5	19.2
6 30	20 8.22	−20 23.2	0.706	1.693	12.7	18.9
7 10	20 1.21	−20 1.5	0.689	1.699	6.2	18.6
7 20	19 52.68	−19 43.0	0.691	1.707	0.9	18.3
7 30	19 44.63	−19 25.6	0.713	1.718	7.4	18.8
8 9	19 38.89	−19 7.9	0.753	1.731	13.5	19.2
8 19	19 36.55	−18 49.1	0.810	1.746	18.7	19.5

339285 2004 XD_{20} 7 18.9 292°.26 6°.4/14.9 18

6 10	20 21.19	−31 23.1	1.734	2.578	15.4	20.5
6 20	20 17.89	−33 1.1	1.649	2.563	12.4	20.3
6 30	20 11.61	−34 43.4	1.585	2.549	9.2	20.0
7 10	20 2.82	−36 21.3	1.546	2.535	6.8	19.9
7 20	19 52.44	−37 45.7	1.532	2.521	6.8	19.8
7 30	19 41.81	−38 49.2	1.544	2.507	9.3	20.0
8 9	19 32.42	−39 28.5	1.580	2.494	12.7	20.1
8 19	19 25.48	−39 44.3	1.636	2.480	15.9	20.3

175641 2007 VD_{32} 7 18.9 61°.67 2°.7/17.7 18

6 10	20 21.61	−26 57.1	1.968	2.801	14.2	20.4
6 20	20 17.32	−27 23.0	1.889	2.802	11.2	20.2
6 30	20 10.60	−27 50.4	1.832	2.802	7.7	20.0
7 10	20 2.06	−28 15.1	1.800	2.803	4.2	19.8
7 20	19 52.57	−28 33.2	1.794	2.804	2.9	19.7
7 30	19 43.21	−28 41.5	1.815	2.805	5.8	19.9
8 9	19 35.04	−28 39.2	1.862	2.805	9.3	20.1
8 19	19 28.89	−28 27.1	1.932	2.806	12.6	20.3

373823 2002 XJ_{10} 7 18.9 265°.42 1°.5/18.3 18

6 10	20 22.47	−22 31.9	1.742	2.577	15.7	21.5
6 20	20 18.53	−22 58.8	1.645	2.559	12.5	21.3
6 30	20 11.82	−23 32.3	1.569	2.541	8.6	21.0
7 10	20 2.84	−24 8.7	1.516	2.522	4.2	20.7
7 20	19 52.45	−24 43.1	1.489	2.503	1.7	20.5
7 30	19 41.90	−25 11.0	1.488	2.484	5.9	20.7
8 9	19 32.48	−25 29.7	1.513	2.465	10.4	20.9
8 19	19 25.28	−25 38.3	1.561	2.445	14.5	21.1

324026 2005 UB_{405} 7 18.9 259°.41 0°.1/18.9 18

6 10	20 18.01	−19 10.4	2.499	3.315	12.1	22.2
6 20	20 14.01	−19 26.8	2.398	3.300	9.5	22.0
6 30	20 8.15	−19 49.1	2.319	3.286	6.5	21.8
7 10	20 0.85	−20 15.2	2.266	3.271	3.2	21.6
7 20	19 52.73	−20 42.7	2.240	3.257	0.4	21.3
7 30	19 44.54	−21 9.0	2.244	3.241	4.0	21.6
8 9	19 37.09	−21 32.0	2.274	3.226	7.4	21.8
8 19	19 31.06	−21 50.4	2.330	3.211	10.5	21.9

137903 2000 AT_{214} 7 18.9 190°.59 0°.6/18.6 18

6 10	20 22.48	−20 27.4	1.678	2.511	16.2	20.3
6 20	20 18.35	−20 50.3	1.598	2.511	12.8	20.1
6 30	20 11.52	−21 21.0	1.539	2.510	8.7	19.8
7 10	20 2.60	−21 55.9	1.503	2.509	4.2	19.6
7 20	19 52.51	−22 30.5	1.493	2.508	0.9	19.3
7 30	19 42.48	−23 0.6	1.509	2.507	5.5	19.6
8 9	19 33.76	−23 23.6	1.551	2.506	9.9	19.9
8 19	19 27.28	−23 38.4	1.616	2.504	13.8	20.1

30018 2000 CX_{101} 7 18.9 16°.02 4°.2/20.9 18

6 10	20 11.39	− 8 56.5	1.026	1.887	22.3	17.3
6 20	20 10.65	− 9 18.0	0.972	1.894	18.1	17.1
6 30	20 6.74	−10 5.6	0.934	1.904	13.1	16.8
7 10	20 0.40	−11 17.5	0.915	1.915	7.9	16.6
7 20	19 52.79	−12 47.7	0.916	1.928	4.2	16.4
7 30	19 45.42	−14 27.0	0.940	1.942	6.8	16.6
8 9	19 39.77	−16 5.2	0.985	1.958	11.7	16.9
8 19	19 36.82	−17 34.4	1.050	1.976	16.3	17.3

164751 1998 UW_3 7 18.9 178°.65 2°.2/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 19.69	−13 58.8	2.126	2.935	14.1	20.5
6 20	20 15.46	−13 51.2	2.041	2.935	11.3	20.3
6 30	20 9.17	−13 52.5	1.977	2.936	8.0	20.1
7 10	20 1.34	−14 1.8	1.937	2.936	4.5	19.9
7 20	19 52.68	−14 17.5	1.924	2.936	2.2	19.7
7 30	19 44.09	−14 37.4	1.939	2.936	4.6	19.9
8 9	19 36.44	−14 59.2	1.980	2.935	8.1	20.1
8 19	19 30.46	−15 20.9	2.046	2.935	11.4	20.3

385552 2004 TO_{30} 7 18.9 271°.65 1°.8/19.7 18

6 10	20 19.85	−14 48.4	1.923	2.740	15.1	21.6
6 20	20 16.11	−14 55.2	1.818	2.719	12.2	21.4
6 30	20 9.97	−15 12.5	1.734	2.698	8.6	21.1
7 10	20 1.89	−15 39.2	1.674	2.676	4.7	20.9
7 20	19 52.59	−16 12.9	1.640	2.654	1.8	20.6
7 30	19 43.10	−16 50.3	1.633	2.632	5.0	20.8
8 9	19 34.50	−17 27.9	1.652	2.609	9.2	21.0
8 19	19 27.74	−18 3.2	1.695	2.587	13.1	21.2

63301 2001 EJ_{12} 7 18.9 13°.03 7°.6/23.4 18

6 10	20 15.19	− 0 2.2	1.685	2.466	18.3	18.8
6 20	20 12.42	+ 0 11.8	1.608	2.467	15.6	18.6
6 30	20 7.36	+ 0 3.3	1.548	2.470	12.6	18.5
7 10	20 0.55	− 0 29.6	1.509	2.472	9.7	18.3
7 20	19 52.78	− 1 26.3	1.494	2.476	7.8	18.2
7 30	19 45.05	− 2 43.4	1.502	2.479	8.2	18.2
8 9	19 38.39	− 4 14.4	1.536	2.484	10.6	18.4
8 19	19 33.60	− 5 52.1	1.592	2.488	13.6	18.6

482213 2010 WP_{11} 7 18.9 345°.79 1°.8/18.1 18

6 10	20 20.28	−26 9.3	2.277	3.104	12.7	21.2
6 20	20 15.89	−26 16.5	2.193	3.102	10.0	21.0
6 30	20 9.43	−26 24.5	2.132	3.101	6.8	20.8
7 10	20 1.45	−26 30.4	2.096	3.100	3.5	20.6
7 20	19 52.68	−26 31.5	2.087	3.099	2.0	20.5
7 30	19 44.04	−26 26.1	2.106	3.099	4.8	20.7
8 9	19 36.40	−26 13.5	2.152	3.098	8.1	20.9
8 19	19 30.48	−25 54.4	2.222	3.097	11.1	21.1

86798 2000 GW_{111} 7 18.9 329°.07 5°.6/17.0 18

6 10	20 20.98	−30 46.6	1.348	2.208	18.0	18.7
6 20	20 18.24	−31 27.2	1.271	2.196	14.4	18.4
6 30	20 12.05	−32 8.0	1.212	2.185	10.4	18.2
7 10	20 3.06	−32 41.8	1.175	2.174	6.7	17.9
7 20	19 52.46	−33 1.1	1.160	2.164	5.8	17.9
7 30	19 41.92	−33 1.1	1.170	2.155	8.9	18.0
8 9	19 33.12	−32 41.0	1.201	2.146	13.1	18.2
8 19	19 27.28	−32 3.9	1.252	2.138	17.2	18.4

512522 2016 RZ_{34} 7 18.9 264°.09 0°.3/19.0 18

6 10	20 20.12	−19 22.2	2.008	2.832	14.3	22.1
6 20	20 16.07	−19 25.3	1.918	2.825	11.3	21.9
6 30	20 9.75	−19 34.5	1.849	2.817	7.8	21.6
7 10	20 1.70	−19 47.6	1.804	2.810	3.8	21.4
7 20	19 52.67	−20 2.3	1.786	2.802	0.5	21.1
7 30	19 43.65	−20 15.8	1.795	2.794	4.6	21.4
8 9	19 35.65	−20 26.4	1.831	2.786	8.6	21.6
8 19	19 29.47	−20 33.0	1.890	2.778	12.2	21.8

92332 2000 GM_{71} 7 18.9 357°.45 7°.6/16.2 18

6 10	20 17.56	−31 0.3	0.991	1.877	21.0	18.6
6 20	20 16.52	−32 14.2	0.933	1.872	16.9	18.3
6 30	20 11.37	−33 30.2	0.892	1.869	12.4	18.0
7 10	20 2.89	−34 37.2	0.869	1.868	8.6	17.8
7 20	19 52.52	−35 24.2	0.867	1.867	8.0	17.8
7 30	19 42.37	−35 43.2	0.885	1.868	11.3	18.0
8 9	19 34.51	−35 33.6	0.922	1.870	15.7	18.2
8 19	19 30.29	−34 59.8	0.977	1.874	20.0	18.5

473064 2015 HG_{93} 7 18.9 233°.35 4°.4/16.7 18

6 10	20 22.28	−29 19.7	1.883	2.719	14.6	21.4
6 20	20 18.18	−30 18.2	1.803	2.716	11.6	21.2
6 30	20 11.42	−31 18.7	1.745	2.713	8.3	21.0
7 10	20 2.59	−32 15.0	1.712	2.709	5.3	20.8
7 20	19 52.57	−33 1.2	1.704	2.705	4.6	20.7
7 30	19 42.57	−33 32.4	1.723	2.702	7.2	20.9
8 9	19 33.80	−33 47.0	1.767	2.698	10.6	21.1
8 19	19 27.24	−33 46.0	1.834	2.694	13.8	21.3

206557 2003 UV_{250} 7 18.9 209°.73 6°.5/15.4 18

6 10	20 24.98	−36 58.4	2.149	2.971	13.5	20.2
6 20	20 20.17	−38 2.9	2.072	2.968	11.1	20.0
6 30	20 12.70	−39 3.6	2.016	2.964	8.6	19.9
7 10	20 3.17	−39 54.0	1.985	2.961	6.8	19.8
7 20	19 52.50	−40 28.1	1.981	2.957	6.7	19.7
7 30	19 41.88	−40 42.3	2.002	2.952	8.4	19.8
8 9	19 32.53	−40 36.2	2.048	2.948	10.9	20.0
8 19	19 25.38	−40 12.5	2.117	2.943	13.4	20.2

97809 2000 OH_{30} 7 18.9 357°.48 4°.6/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 15.14	−13 3.9	1.025	1.891	22.0	18.8
6 20	20 13.82	−12 26.1	0.960	1.887	17.9	18.5
6 30	20 9.09	−12 4.0	0.911	1.884	13.0	18.2
7 10	20 1.64	−11 58.9	0.881	1.882	7.9	18.0
7 20	19 52.69	−12 9.9	0.870	1.881	4.6	17.8
7 30	19 43.86	−12 33.7	0.882	1.882	7.6	17.9
8 9	19 36.82	−13 5.4	0.913	1.884	12.7	18.2
8 19	19 32.71	−13 40.0	0.964	1.888	17.6	18.5

171874 2001 QR_{211} 7 18.9 342°.13 0°.8/19.2 18

6 10	20 17.81	−17 56.0	1.795	2.627	15.4	19.8
6 20	20 14.49	−18 0.2	1.711	2.623	12.2	19.6
6 30	20 8.79	−18 12.5	1.649	2.619	8.4	19.4
7 10	20 1.27	−18 30.9	1.610	2.615	4.2	19.1
7 20	19 52.75	−18 52.8	1.596	2.612	0.9	18.8
7 30	19 44.28	−19 15.0	1.609	2.609	4.9	19.1
8 9	19 36.91	−19 35.0	1.647	2.606	9.1	19.4
8 19	19 31.49	−19 51.1	1.708	2.604	12.8	19.6

323708 2005 GD_{178} 7 18.9 106°.41 4°.3/20.8 17

6 10	20 22.74	− 9 13.8	1.654	2.459	17.7	21.6
6 20	20 18.23	− 9 2.5	1.587	2.474	14.3	21.4
6 30	20 11.22	− 9 6.5	1.539	2.490	10.6	21.2
7 10	20 2.38	− 9 25.5	1.514	2.505	6.7	21.0
7 20	19 52.62	− 9 57.3	1.514	2.520	4.3	20.9
7 30	19 43.09	−10 38.8	1.541	2.534	6.1	21.0
8 9	19 34.88	−11 25.4	1.593	2.548	9.7	21.3
8 19	19 28.79	−12 13.2	1.668	2.562	13.2	21.5

436182 2009 WK_{30} 7 18.9 203°.88 0°.9/18.5 18

6 10	20 22.46	−21 30.1	2.112	2.932	13.8	22.8
6 20	20 17.83	−21 56.2	2.022	2.928	10.9	22.5
6 30	20 10.93	−22 27.9	1.955	2.923	7.4	22.3
7 10	20 2.28	−23 2.1	1.913	2.918	3.6	22.1
7 20	19 52.64	−23 35.0	1.898	2.913	1.1	21.9
7 30	19 42.99	−24 3.1	1.911	2.907	4.8	22.1
8 9	19 34.36	−24 24.3	1.951	2.900	8.6	22.4
8 19	19 27.54	−24 37.8	2.016	2.893	12.0	22.6

220493 2004 CD_{129} 7 18.9 342°.83 1°.2/18.5 18

6 10	20 13.21	−20 48.0	1.101	1.979	19.9	19.3
6 20	20 12.43	−21 12.3	1.027	1.965	15.8	19.0
6 30	20 8.28	−21 48.2	0.969	1.952	10.9	18.7
7 10	20 1.34	−22 31.6	0.932	1.941	5.3	18.3
7 20	19 52.73	−23 16.2	0.916	1.931	1.5	18.0
7 30	19 44.08	−23 55.4	0.921	1.923	7.1	18.4
8 9	19 37.10	−24 24.4	0.948	1.916	12.8	18.7
8 19	19 33.06	−24 41.0	0.993	1.911	17.8	18.9

437087 2012 UL_{77} 7 18.9 307°.89 4°.2/17.0 18

6 10	20 21.16	−29 19.8	1.777	2.619	15.1	20.8
6 20	20 17.47	−30 2.9	1.694	2.610	12.0	20.6
6 30	20 11.03	−30 47.4	1.632	2.602	8.5	20.3
7 10	20 2.44	−31 27.6	1.594	2.593	5.3	20.1
7 20	19 52.62	−31 57.8	1.581	2.585	4.4	20.0
7 30	19 42.82	−32 13.8	1.594	2.577	7.2	20.2
8 9	19 34.32	−32 14.2	1.632	2.570	10.8	20.4
8 19	19 28.08	−32 0.3	1.691	2.562	14.2	20.6

174641 2003 SU_{141} 7 18.9 180°.63 4°.8/16.7 17

6 10	20 24.26	−32 36.1	2.109	2.935	13.6	20.2
6 20	20 19.41	−33 20.1	2.031	2.936	10.9	20.1
6 30	20 12.06	−34 2.2	1.975	2.936	7.9	19.9
7 10	20 2.82	−34 37.1	1.945	2.936	5.4	19.7
7 20	19 52.58	−34 59.8	1.940	2.936	4.9	19.7
7 30	19 42.47	−35 7.2	1.963	2.935	7.0	19.8
8 9	19 33.59	−34 58.9	2.012	2.935	9.9	20.0
8 19	19 26.79	−34 36.8	2.083	2.934	12.7	20.2

93746 2000 VU_{57} 7 18.9 223°.25 1°.9/18.1 18

6 10	20 22.35	−24 23.1	2.002	2.830	14.2	19.7
6 20	20 17.93	−24 48.6	1.915	2.825	11.2	19.5
6 30	20 11.09	−25 17.8	1.849	2.819	7.6	19.2
7 10	20 2.38	−25 46.9	1.808	2.813	3.9	19.0
7 20	19 52.64	−26 11.9	1.794	2.807	2.1	18.9
7 30	19 42.92	−26 29.5	1.807	2.800	5.4	19.1
8 9	19 34.30	−26 37.9	1.847	2.794	9.2	19.3
8 19	19 27.65	−26 37.3	1.910	2.786	12.6	19.5

436868 2012 TX_{13} 7 18.9 259°.26 7°.1/21.8 18

6 10	20 18.86	− 2 24.9	2.077	2.845	15.7	21.6
6 20	20 14.98	− 1 37.7	1.979	2.831	13.4	21.4
6 30	20 9.01	− 1 4.6	1.899	2.817	10.9	21.2
7 10	20 1.38	− 0 48.2	1.843	2.803	8.5	21.0
7 20	19 52.77	− 0 49.8	1.811	2.788	7.1	20.9
7 30	19 44.05	− 1 9.0	1.804	2.773	7.8	21.0
8 9	19 36.15	− 1 43.3	1.824	2.758	10.1	21.1
8 19	19 29.86	− 2 28.8	1.866	2.742	12.8	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
418918 2009 CT_{26}			7 18.9 139°.63		0°.7/18.6 17	
	h m	° ′			°	m
6 10	20 24.52	−19 59.1	1.586	2.418	17.1	21.7
6 20	20 20.05	−20 30.0	1.514	2.426	13.4	21.5
6 30	20 12.72	−21 9.9	1.462	2.433	9.1	21.3
7 10	20 3.22	−21 54.3	1.434	2.440	4.4	21.0
7 20	19 52.56	−22 38.2	1.431	2.447	1.0	20.8
7 30	19 42.06	−23 16.7	1.455	2.453	5.7	21.1
8 9	19 33.00	−23 46.7	1.504	2.458	10.2	21.4
8 19	19 26.36	−24 7.2	1.576	2.464	14.2	21.7
371586 2006 WW_{24}			7 18.9 292°.19		2°.0/19.6 17	
6 10	20 19.70	−15 34.9	1.519	2.354	17.6	21.8
6 20	20 16.70	−15 32.1	1.420	2.331	14.2	21.5
6 30	20 10.81	−15 41.0	1.340	2.308	10.1	21.2
7 10	20 2.50	−16 0.4	1.281	2.285	5.4	20.9
7 20	19 52.63	−16 27.9	1.247	2.262	2.0	20.6
7 30	19 42.47	−17 0.0	1.238	2.239	6.0	20.8
8 9	19 33.45	−17 32.5	1.254	2.216	11.0	21.0
8 19	19 26.75	−18 2.6	1.290	2.193	15.6	21.2
164029 2003 UA_{244}			7 18.9 224°.72		4°.1/16.8 18	
6 10	20 22.41	−30 1.6	2.092	2.922	13.6	20.2
6 20	20 18.02	−30 50.6	2.009	2.918	10.8	20.0
6 30	20 11.18	−31 40.3	1.948	2.913	7.7	19.8
7 10	20 2.45	−32 25.4	1.912	2.908	4.9	19.6
7 20	19 52.67	−33 0.8	1.902	2.903	4.3	19.6
7 30	19 42.90	−33 22.7	1.920	2.898	6.6	19.7
8 9	19 34.26	−33 29.8	1.963	2.892	9.8	19.9
8 19	19 27.61	−33 23.1	2.030	2.886	12.8	20.1
383860 2008 QB_{4}			7 18.9 164°.89		2°.2/19.6 18	
6 10	20 23.89	−16 3.0	2.023	2.831	14.7	21.1
6 20	20 18.81	−15 34.5	1.939	2.834	11.8	20.9
6 30	20 11.49	−15 12.3	1.877	2.837	8.3	20.7
7 10	20 2.51	−14 55.9	1.839	2.840	4.6	20.5
7 20	19 52.67	−14 44.3	1.829	2.842	2.2	20.3
7 30	19 42.97	−14 36.5	1.847	2.843	4.8	20.5
8 9	19 34.37	−14 31.3	1.892	2.845	8.5	20.7
8 19	19 27.63	−14 27.8	1.961	2.846	11.9	21.0
92875 2000 QZ_{216}			7 18.9 215°.54		2°.5/17.6 18	
6 10	20 23.98	−26 45.9	2.429	3.246	12.3	20.9
6 20	20 18.85	−27 20.9	2.334	3.236	9.7	20.7
6 30	20 11.56	−27 58.0	2.261	3.226	6.8	20.5
7 10	20 2.59	−28 33.1	2.214	3.215	3.7	20.3
7 20	19 52.66	−29 2.5	2.195	3.204	2.7	20.2
7 30	19 42.68	−29 22.9	2.205	3.192	5.2	20.4
8 9	19 33.61	−29 32.9	2.243	3.179	8.4	20.5
8 19	19 26.23	−29 32.7	2.306	3.165	11.4	20.7
47875 2000 FG_{21}			7 18.9 273°.50		2°.3/17.6 18	
6 10	20 19.71	−23 35.0	2.039	2.870	13.8	18.7
6 20	20 16.00	−24 27.9	1.942	2.854	10.9	18.5
6 30	20 9.92	−25 27.6	1.867	2.838	7.5	18.3
7 10	20 1.92	−26 29.6	1.816	2.821	3.9	18.0
7 20	19 52.73	−27 28.8	1.793	2.805	2.5	17.9
7 30	19 43.39	−28 20.1	1.798	2.788	5.7	18.1
8 9	19 34.96	−29 0.2	1.828	2.771	9.5	18.2
8 19	19 28.39	−29 27.9	1.882	2.754	12.9	18.4
519457 2012 AK_{25}			7 18.9 157°.77		0°.3/19.1 16	
6 10	20 17.27	−17 35.2	2.674	3.484	11.5	22.4
6 20	20 13.21	−18 1.1	2.588	3.487	9.1	22.2
6 30	20 7.49	−18 33.5	2.525	3.490	6.2	22.0
7 10	20 0.54	−19 10.3	2.489	3.493	3.0	21.8
7 20	19 52.93	−19 49.0	2.480	3.496	0.4	21.6
7 30	19 45.35	−20 26.9	2.501	3.499	3.6	21.9
8 9	19 38.51	−21 1.7	2.549	3.501	6.7	22.1
8 19	19 32.98	−21 31.9	2.623	3.503	9.5	22.2
477670 2010 OZ_{77}			7 18.9 194°.25		4°.0/21.5 18	
6 10	20 16.52	− 5 0.5	3.248	4.003	10.8	22.4
6 20	20 12.25	− 4 40.8	3.151	4.001	9.0	22.3
6 30	20 6.66	− 4 30.4	3.076	3.998	7.0	22.2
7 10	20 0.09	− 4 29.8	3.026	3.994	5.1	22.0
7 20	19 52.99	− 4 38.8	3.004	3.990	4.0	22.0
7 30	19 45.90	− 4 56.5	3.010	3.986	4.6	22.0
8 9	19 39.35	− 5 21.2	3.044	3.981	6.4	22.1
8 19	19 33.81	− 5 50.9	3.105	3.975	8.4	22.2
480000 2014 KR_{65}			7 18.9 192°.52		3°.4/20.5 18	
6 10	20 18.19	−10 39.1	2.388	3.181	13.2	21.1
6 20	20 14.06	−10 15.2	2.300	3.181	10.7	20.9
6 30	20 8.13	−10 0.4	2.233	3.180	7.9	20.7
7 10	20 0.87	− 9 54.7	2.190	3.180	5.1	20.5
7 20	19 52.90	− 9 57.6	2.175	3.179	3.4	20.4
7 30	19 44.98	−10 8.0	2.188	3.178	4.8	20.5
8 9	19 37.86	−10 23.9	2.227	3.177	7.6	20.7
8 19	19 32.18	−10 43.2	2.291	3.176	10.4	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
503112 2015 FU_{320}			7 18.9 143°.60		1°.8/17.9 17	
	h m	° ′			°	m
6 10	20 23.81	−23 21.4	2.199	3.017	13.4	22.4
6 20	20 18.71	−24 5.8	2.124	3.029	10.5	22.2
6 30	20 11.41	−24 54.7	2.072	3.040	7.1	22.0
7 10	20 2.48	−25 43.9	2.046	3.051	3.6	21.8
7 20	19 52.70	−26 29.0	2.048	3.061	2.0	21.7
7 30	19 43.04	−27 6.3	2.079	3.070	5.0	21.9
8 9	19 34.44	−27 33.7	2.137	3.079	8.4	22.2
8 19	19 27.66	−27 51.1	2.219	3.087	11.4	22.4
211044 2002 CZ_{34}			7 18.9 213°.39		2°.5/17.8 17	
6 10	20 25.15	−24 6.7	1.721	2.553	16.0	21.1
6 20	20 20.64	−24 51.0	1.635	2.547	12.6	20.8
6 30	20 13.26	−25 41.6	1.570	2.541	8.7	20.6
7 10	20 3.58	−26 33.2	1.529	2.534	4.5	20.3
7 20	19 52.55	−27 19.8	1.514	2.526	2.7	20.2
7 30	19 41.47	−27 56.3	1.526	2.518	6.4	20.4
8 9	19 31.68	−28 19.8	1.564	2.509	10.6	20.6
8 19	19 24.23	−28 30.2	1.624	2.500	14.5	20.9
329552 2002 TE_{376}			7 18.9 315°.93		3°.6/20.5 18	
6 10	20 14.03	−10 33.3	1.281	2.126	19.7	20.3
6 20	20 12.75	−10 45.9	1.182	2.097	16.2	19.9
6 30	20 8.46	−11 20.4	1.101	2.068	11.9	19.6
7 10	20 1.53	−12 17.3	1.039	2.039	7.1	19.3
7 20	19 52.77	−13 34.4	0.999	2.011	3.6	19.0
7 30	19 43.53	−15 5.5	0.982	1.984	6.8	19.1
8 9	19 35.41	−16 42.0	0.988	1.958	12.2	19.3
8 19	19 29.79	−18 15.5	1.014	1.932	17.5	19.5
383259 2006 CY_{62}			7 18.9 195°.69		7°.8/14.0 18	
6 10	20 26.58	−38 37.9	2.073	2.893	14.0	21.0
6 20	20 21.78	−40 14.5	2.000	2.891	11.7	20.8
6 30	20 14.06	−41 47.6	1.949	2.889	9.4	20.7
7 10	20 3.98	−43 8.8	1.923	2.887	7.9	20.6
7 20	19 52.50	−44 10.5	1.923	2.884	8.1	20.6
7 30	19 40.96	−44 47.8	1.949	2.881	9.8	20.7
8 9	19 30.74	−44 59.9	1.999	2.877	12.1	20.8
8 19	19 22.93	−44 49.8	2.070	2.873	14.5	21.0
434103 2002 JP_{117}			7 18.9 49°.05		1°.8/17.9 16	
6 10	20 21.87	−19 7.3	1.414	2.258	18.2	20.7
6 20	20 18.00	−20 33.2	1.369	2.289	14.1	20.5
6 30	20 11.27	−22 10.4	1.345	2.320	9.4	20.3
7 10	20 2.47	−23 51.0	1.344	2.351	4.5	20.1
7 20	19 52.72	−25 26.4	1.369	2.383	2.1	20.0
7 30	19 43.36	−26 49.2	1.420	2.415	6.3	20.4
8 9	19 35.65	−27 55.0	1.496	2.447	10.5	20.7
8 19	19 30.43	−28 42.9	1.594	2.479	14.2	21.0
477755 2010 VX_{215}			7 18.9 31°.85		5°.3/16.0 18	
6 10	20 20.91	−34 18.8	2.208	3.037	13.0	20.9
6 20	20 16.74	−35 13.6	2.136	3.040	10.4	20.7
6 30	20 10.23	−36 5.8	2.086	3.043	7.8	20.6
7 10	20 1.97	−36 50.0	2.061	3.046	5.7	20.4
7 20	19 52.77	−37 21.2	2.062	3.049	5.5	20.4
7 30	19 43.69	−37 36.3	2.090	3.053	7.3	20.6
8 9	19 35.76	−37 34.8	2.142	3.056	9.8	20.7
8 19	19 29.77	−37 18.4	2.218	3.060	12.4	20.9
212195 2005 GV_{105}			7 18.9 321°.77		0°.2/19.0 18	
6 10	20 18.65	−18 38.9	1.889	2.719	14.8	21.1
6 20	20 15.07	−18 55.4	1.805	2.715	11.7	20.9
6 30	20 9.17	−19 19.8	1.742	2.712	8.0	20.6
7 10	20 1.49	−19 49.7	1.703	2.708	3.9	20.4
7 20	19 52.83	−20 21.8	1.689	2.705	0.5	20.1
7 30	19 44.19	−20 52.6	1.703	2.702	4.8	20.4
8 9	19 36.62	−21 19.3	1.743	2.699	8.9	20.7
8 19	19 30.93	−21 40.3	1.806	2.697	12.5	20.9
169846 2002 RS_{11}			7 18.9 286°.85		2°.3/19.9 18	
6 10	20 18.22	−13 44.5	1.940	2.757	15.0	20.3
6 20	20 14.66	−13 43.0	1.849	2.748	12.1	20.1
6 30	20 8.87	−13 51.9	1.778	2.740	8.6	19.8
7 10	20 1.36	−14 10.4	1.731	2.731	4.8	19.6
7 20	19 52.86	−14 36.5	1.710	2.723	2.3	19.4
7 30	19 44.32	−15 7.4	1.716	2.714	4.9	19.6
8 9	19 36.74	−15 40.1	1.748	2.706	8.7	19.8
8 19	19 30.93	−16 11.9	1.803	2.698	12.3	20.0
437075 2012 UM_{63}			7 18.9 318°.88		1°.6/18.1 17	
6 10	20 19.49	−22 11.3	1.871	2.706	14.8	21.2
6 20	20 15.84	−22 54.1	1.790	2.704	11.6	21.0
6 30	20 9.77	−23 43.7	1.730	2.702	7.9	20.8
7 10	20 1.82	−24 36.1	1.695	2.701	3.9	20.6
7 20	19 52.81	−25 26.1	1.685	2.699	1.9	20.4
7 30	19 43.82	−26 9.3	1.703	2.698	5.4	20.7
8 9	19 35.95	−26 42.7	1.747	2.696	9.4	20.9
8 19	19 30.05	−27 5.2	1.813	2.695	12.9	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
91840 1999 TZ_{318}			7 18.9 352°.08		0°.1/18.9 18	
	h m	° ′			°	m
6 10	20 15.53	−19 20.5	1.685	2.529	15.7	19.7
6 20	20 12.92	−19 30.1	1.604	2.523	12.4	19.5
6 30	20 7.85	−19 47.5	1.544	2.518	8.5	19.2
7 10	20 0.91	−20 10.2	1.506	2.513	4.1	19.0
7 20	19 52.93	−20 35.1	1.494	2.510	0.5	18.7
7 30	19 44.99	−20 58.8	1.507	2.507	5.1	19.0
8 9	19 38.22	−21 18.4	1.544	2.505	9.4	19.3
8 19	19 33.46	−21 32.5	1.604	2.505	13.2	19.5
211566 2003 SE_{123}			7 18.9 298°.62		6°.0/16.5 17	
6 10	20 22.48	−30 7.2	1.375	2.231	17.9	20.2
6 20	20 19.54	−31 10.9	1.294	2.217	14.4	19.9
6 30	20 13.10	−32 18.1	1.232	2.203	10.5	19.6
7 10	20 3.73	−33 20.5	1.192	2.190	6.9	19.4
7 20	19 52.56	−34 8.9	1.176	2.177	6.3	19.3
7 30	19 41.28	−34 36.5	1.183	2.164	9.4	19.5
8 9	19 31.65	−34 40.9	1.213	2.151	13.6	19.7
8 19	19 25.02	−34 24.3	1.262	2.138	17.7	19.9
88519 2001 QS_{163}			7 18.9 243°.51		3°.8/20.8 18	R
6 10	20 18.31	− 9 10.4	2.425	3.212	13.2	20.0
6 20	20 14.23	− 8 50.6	2.325	3.201	10.8	19.8
6 30	20 8.32	− 8 40.7	2.246	3.190	8.1	19.6
7 10	20 1.03	− 8 41.1	2.192	3.178	5.4	19.5
7 20	19 52.93	− 8 51.3	2.165	3.166	3.8	19.3
7 30	19 44.78	− 9 10.0	2.165	3.154	5.0	19.4
8 9	19 37.36	− 9 35.0	2.193	3.142	7.8	19.5
8 19	19 31.34	−10 3.9	2.245	3.129	10.7	19.7
445471 2010 VO_{85}			7 18.9 317°.65		4°.6/20.8 18	
6 10	20 16.37	− 8 54.6	2.055	2.856	14.8	21.0
6 20	20 13.06	− 8 23.8	1.960	2.844	12.2	20.8
6 30	20 7.70	− 8 4.2	1.886	2.832	9.2	20.6
7 10	20 0.78	− 7 56.7	1.835	2.820	6.3	20.4
7 20	19 52.95	− 8 1.2	1.809	2.809	4.6	20.2
7 30	19 45.09	− 8 16.6	1.810	2.798	5.9	20.3
8 9	19 38.07	− 8 40.4	1.836	2.788	8.8	20.4
8 19	19 32.66	− 9 9.9	1.886	2.778	12.0	20.6
76596 2000 GN_{157}			7 18.9 151°.01		2°.2/18.3 18	
6 10	20 26.23	−28 1.0	2.099	2.920	13.8	19.0
6 20	20 20.69	−27 55.6	2.018	2.923	10.9	18.8
6 30	20 12.79	−27 48.7	1.959	2.926	7.5	18.6
7 10	20 3.16	−27 37.2	1.925	2.928	4.0	18.4
7 20	19 52.69	−27 18.5	1.919	2.930	2.3	18.3
7 30	19 42.46	−26 51.5	1.941	2.932	5.2	18.5
8 9	19 33.49	−26 16.8	1.989	2.934	8.7	18.7
8 19	19 26.54	−25 36.2	2.063	2.936	11.9	18.9
507715 2013 UE_{8}			7 18.9 244°.23		1°.7/19.7 17	
6 10	20 21.71	−14 49.7	2.016	2.826	14.7	23.0
6 20	20 17.44	−14 58.0	1.914	2.810	11.8	22.8
6 30	20 10.85	−15 16.5	1.832	2.794	8.4	22.5
7 10	20 2.38	−15 43.8	1.775	2.776	4.5	22.3
7 20	19 52.77	−16 17.2	1.744	2.759	1.7	22.0
7 30	19 42.99	−16 53.8	1.742	2.740	4.8	22.2
8 9	19 34.12	−17 30.2	1.766	2.721	8.9	22.4
8 19	19 27.03	−18 4.0	1.814	2.702	12.6	22.6
439008 2010 YN_{3}			7 18.9 279°.12		2°.2/18.2 17	
6 10	20 25.99	−29 7.5	2.514	3.326	12.1	21.1
6 20	20 20.34	−28 55.9	2.405	3.304	9.6	20.9
6 30	20 12.52	−28 41.6	2.319	3.283	6.7	20.7
7 10	20 3.07	−28 21.8	2.259	3.261	3.7	20.5
7 20	19 52.70	−27 54.2	2.228	3.238	2.3	20.4
7 30	19 42.35	−27 18.0	2.226	3.216	4.8	20.5
8 9	19 32.97	−26 33.5	2.253	3.194	8.1	20.7
8 19	19 25.30	−25 42.9	2.305	3.171	11.1	20.8
420465 2012 DW_{86}			7 18.9 107°.00		2°.0/19.8 17	
6 10	20 22.21	−14 1.2	1.603	2.426	17.4	21.6
6 20	20 18.07	−14 12.0	1.533	2.436	13.8	21.4
6 30	20 11.30	−14 35.8	1.483	2.447	9.7	21.1
7 10	20 2.55	−15 10.4	1.455	2.457	5.2	20.9
7 20	19 52.78	−15 52.2	1.453	2.467	2.0	20.7
7 30	19 43.17	−16 37.0	1.477	2.477	5.3	21.0
8 9	19 34.91	−17 20.7	1.527	2.486	9.7	21.2
8 19	19 28.87	−18 0.2	1.600	2.496	13.5	21.5
236656 2006 KH_{113}			7 18.9 86°.62		4°.2/16.6 18	
6 10	20 21.94	−27 51.4	1.876	2.712	14.7	20.4
6 20	20 17.81	−29 4.6	1.809	2.722	11.5	20.2
6 30	20 11.12	−30 20.8	1.764	2.732	8.1	20.0
7 10	20 2.48	−31 33.6	1.743	2.742	5.0	19.8
7 20	19 52.79	−32 36.3	1.749	2.752	4.4	19.8
7 30	19 43.20	−33 24.1	1.783	2.761	7.0	20.0
8 9	19 34.88	−33 54.8	1.841	2.771	10.2	20.2
8 19	19 28.69	−34 9.2	1.922	2.781	13.3	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
393095 2013 AA_{128}			7 18.9 231°.41		1°.1/19.5 18	
	h m	° ′			°	m
6 10	20 18.97	−15 52.1	2.178	2.991	13.7	21.9
6 20	20 15.02	−16 9.0	2.086	2.985	10.9	21.7
6 30	20 9.01	−16 34.9	2.015	2.979	7.6	21.4
7 10	20 1.41	−17 8.1	1.969	2.972	3.9	21.2
7 20	19 52.92	−17 45.6	1.950	2.966	1.1	21.0
7 30	19 44.39	−18 24.4	1.960	2.959	4.3	21.2
8 9	19 36.73	−19 1.5	1.996	2.951	8.0	21.4
8 19	19 30.69	−19 34.8	2.057	2.944	11.4	21.6
184836 2005 UV_{22}			7 18.9 349°.18		0°.3/18.8 18	
6 10	20 18.44	−20 50.6	2.031	2.860	14.0	20.4
6 20	20 14.74	−20 59.6	1.947	2.858	11.0	20.2
6 30	20 8.85	−21 13.8	1.885	2.856	7.5	20.0
7 10	20 1.33	−21 30.7	1.848	2.854	3.6	19.8
7 20	19 52.93	−21 47.7	1.837	2.853	0.6	19.5
7 30	19 44.60	−22 2.1	1.853	2.852	4.6	19.8
8 9	19 37.30	−22 12.0	1.896	2.851	8.4	20.0
8 19	19 31.76	−22 16.8	1.962	2.850	11.8	20.3
262299 2006 SW_{408}			7 18.9 328°.68		0°.1/18.9 18	
6 10	20 18.68	−20 9.2	1.930	2.761	14.5	21.1
6 20	20 15.07	−20 19.1	1.845	2.756	11.4	20.9
6 30	20 9.17	−20 35.3	1.781	2.751	7.8	20.7
7 10	20 1.53	−20 55.1	1.740	2.747	3.8	20.5
7 20	19 52.92	−21 15.6	1.727	2.743	0.5	20.2
7 30	19 44.36	−21 34.0	1.740	2.739	4.7	20.5
8 9	19 36.84	−21 48.1	1.778	2.735	8.7	20.7
8 19	19 31.19	−21 56.9	1.841	2.731	12.3	20.9
266212 2006 WH_{150}			7 18.9 250°.28		0°.4/19.1 18	
6 10	20 21.93	−17 50.6	1.790	2.615	15.7	21.9
6 20	20 17.96	−18 9.3	1.694	2.601	12.5	21.7
6 30	20 11.39	−18 37.9	1.618	2.587	8.7	21.4
7 10	20 2.72	−19 13.7	1.567	2.572	4.3	21.1
7 20	19 52.77	−19 52.9	1.541	2.557	0.6	20.8
7 30	19 42.67	−20 31.5	1.542	2.542	5.2	21.1
8 9	19 33.63	−21 5.8	1.570	2.526	9.7	21.3
8 19	19 26.65	−21 33.9	1.620	2.510	13.8	21.5
75661 2000 AB_{79}			7 18.9 260°.99		0°.6/19.2 18	
6 10	20 21.07	−17 9.8	1.677	2.507	16.4	19.3
6 20	20 17.46	−17 32.1	1.584	2.493	13.1	19.0
6 30	20 11.14	−18 5.8	1.511	2.480	9.1	18.8
7 10	20 2.64	−18 48.2	1.461	2.466	4.5	18.5
7 20	19 52.78	−19 35.3	1.436	2.452	0.7	18.2
7 30	19 42.77	−20 22.3	1.438	2.438	5.4	18.5
8 9	19 33.88	−21 5.0	1.465	2.423	10.1	18.7
8 19	19 27.15	−21 40.7	1.515	2.408	14.3	18.9
78381 2002 PQ_{135}			7 18.9 267°.20		0°.6/18.7 18	R
6 10	20 20.90	−21 15.8	2.168	2.990	13.5	20.2
6 20	20 16.74	−21 32.1	2.063	2.969	10.7	20.0
6 30	20 10.34	−21 53.9	1.980	2.949	7.3	19.8
7 10	20 2.14	−22 18.5	1.922	2.928	3.6	19.5
7 20	19 52.86	−22 42.7	1.891	2.906	0.8	19.2
7 30	19 43.44	−23 3.6	1.888	2.885	4.7	19.5
8 9	19 34.88	−23 18.9	1.911	2.863	8.6	19.7
8 19	19 28.04	−23 27.8	1.959	2.840	12.1	19.9
376157 2011 BE_{81}			7 18.9 135°.26		2°.2/19.9 17	
6 10	20 22.12	−13 42.1	1.889	2.699	15.6	21.8
6 20	20 17.61	−13 45.7	1.813	2.708	12.4	21.6
6 30	20 10.81	−14 0.2	1.757	2.717	8.8	21.4
7 10	20 2.29	−14 24.1	1.726	2.726	4.9	21.2
7 20	19 52.87	−14 54.8	1.721	2.733	2.2	21.0
7 30	19 43.58	−15 29.2	1.743	2.741	4.9	21.2
8 9	19 35.43	−16 4.0	1.792	2.748	8.7	21.5
8 19	19 29.18	−16 36.8	1.865	2.755	12.2	21.7
492385 2014 HA_{149}			7 18.9 330°.24		6°.4/21.3 16	
6 10	20 15.80	− 5 55.6	1.821	2.621	16.5	21.1
6 20	20 12.90	− 5 6.6	1.730	2.608	13.9	20.9
6 30	20 7.77	− 4 31.2	1.658	2.595	10.9	20.7
7 10	20 0.91	− 4 11.4	1.608	2.583	8.1	20.5
7 20	19 53.03	− 4 8.6	1.582	2.572	6.5	20.3
7 30	19 45.09	− 4 22.1	1.581	2.562	7.5	20.4
8 9	19 38.10	− 4 49.3	1.604	2.551	10.2	20.5
8 19	19 32.87	− 5 26.2	1.649	2.542	13.4	20.7
323088 2002 UX_{54}			7 18.9 342°.37		1°.7/18.2 17	
6 10	20 20.11	−20 57.9	1.463	2.311	17.5	20.7
6 20	20 17.02	−21 45.5	1.388	2.309	13.8	20.4
6 30	20 10.98	−22 43.6	1.332	2.307	9.4	20.2
7 10	20 2.58	−23 46.9	1.298	2.305	4.6	19.9
7 20	19 52.83	−24 48.9	1.289	2.304	1.9	19.7
7 30	19 43.10	−25 43.3	1.306	2.303	6.4	20.0
8 9	19 34.78	−26 25.6	1.346	2.302	11.1	20.2
8 19	19 28.94	−26 54.5	1.409	2.301	15.2	20.5

205984 2002 NN_{48} 7 18.9 332°.79 1°.5/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 19.52	−19 40.0	1.484	2.330	17.4	20.0
6 20	20 16.48	−19 2.1	1.396	2.315	13.9	19.7
6 30	20 10.56	−18 28.1	1.327	2.300	9.7	19.5
7 10	20 2.36	−17 57.5	1.281	2.286	5.0	19.2
7 20	19 52.86	−17 29.3	1.258	2.273	1.5	18.9
7 30	19 43.36	−17 3.0	1.260	2.261	5.8	19.1
8 9	19 35.21	−16 38.1	1.287	2.250	10.7	19.4
8 19	19 29.44	−16 14.6	1.335	2.240	15.0	19.6

476240 2007 VW_{61} 7 18.9 209°.83 6°.2/14.3 18

6 10	20 26.17	−40 29.1	2.907	3.706	10.9	23.1
6 20	20 20.64	−41 39.6	2.822	3.698	9.1	23.0
6 30	20 12.86	−42 45.6	2.761	3.690	7.4	22.9
7 10	20 3.33	−43 41.5	2.725	3.680	6.3	22.8
7 20	19 52.77	−44 22.5	2.717	3.670	6.4	22.8
7 30	19 42.14	−44 45.5	2.736	3.660	7.7	22.9
8 9	19 32.42	−44 49.9	2.781	3.648	9.5	23.0
8 19	19 24.43	−44 37.6	2.849	3.636	11.3	23.1

1489 Attila 7 18.9 98°.13 0°.7/19.3 18 R

6 10	20 18.40	−17 18.8	2.482	3.292	12.3	16.9
6 20	20 14.15	−17 32.0	2.407	3.305	9.6	16.7
6 30	20 8.17	−17 51.6	2.354	3.319	6.6	16.6
7 10	20 0.95	−18 15.7	2.328	3.332	3.3	16.4
7 20	19 53.10	−18 42.0	2.329	3.344	0.7	16.2
7 30	19 45.37	−19 8.2	2.358	3.357	3.7	16.4
8 9	19 38.49	−19 32.2	2.416	3.370	6.9	16.7
8 19	19 33.04	−19 52.7	2.498	3.382	9.7	16.9

321899 2010 TC_{7} 7 18.9 246°.44 6°.7/22.6 18

6 10	20 16.60	+ 0 44.3	2.643	3.382	13.4	20.7
6 20	20 12.75	+ 1 26.3	2.545	3.372	11.6	20.6
6 30	20 7.27	+ 1 55.1	2.467	3.363	9.6	20.4
7 10	20 0.56	+ 2 8.7	2.412	3.353	7.8	20.3
7 20	19 53.15	+ 2 6.1	2.382	3.343	6.8	20.2
7 30	19 45.69	+ 1 47.8	2.379	3.332	7.1	20.2
8 9	19 38.86	+ 1 15.8	2.402	3.322	8.6	20.3
8 19	19 33.26	+ 0 33.2	2.449	3.311	10.7	20.4

100381 1995 VB_{13} 7 18.9 285°.16 4°.1/16.6 18

6 10	20 20.12	−29 43.3	2.155	2.987	13.2	20.2
6 20	20 16.30	−30 38.0	2.064	2.974	10.5	20.0
6 30	20 10.13	−31 34.4	1.995	2.960	7.5	19.8
7 10	20 2.10	−32 27.3	1.951	2.947	4.8	19.6
7 20	19 52.96	−33 11.6	1.934	2.934	4.3	19.6
7 30	19 43.73	−33 42.9	1.943	2.921	6.6	19.7
8 9	19 35.49	−33 59.5	1.979	2.907	9.7	19.8
8 19	19 29.11	−34 1.6	2.037	2.894	12.7	20.0

398906 2013 CL_{137} 7 18.9 8°.95 0°.6/18.6 18

6 10	20 16.81	−20 4.6	1.968	2.802	14.2	20.1
6 20	20 13.57	−20 37.1	1.890	2.803	11.1	19.9
6 30	20 8.15	−21 17.1	1.832	2.804	7.6	19.7
7 10	20 1.07	−22 1.2	1.799	2.806	3.6	19.5
7 20	19 53.10	−22 45.5	1.793	2.808	0.9	19.3
7 30	19 45.18	−23 26.2	1.813	2.811	4.7	19.5
8 9	19 38.28	−24 0.2	1.860	2.814	8.5	19.8
8 19	19 33.16	−24 26.1	1.930	2.818	11.9	20.0

471405 2011 SP_{188} 7 18.9 121°.36 2°.1/18.0 18

6 10	20 22.01	−26 10.6	2.188	3.013	13.2	21.1
6 20	20 17.38	−26 28.5	2.110	3.018	10.4	20.9
6 30	20 10.58	−26 47.8	2.055	3.023	7.1	20.7
7 10	20 2.18	−27 4.9	2.024	3.028	3.7	20.5
7 20	19 52.98	−27 16.7	2.021	3.033	2.2	20.4
7 30	19 43.92	−27 20.8	2.046	3.037	5.0	20.6
8 9	19 35.95	−27 16.4	2.097	3.042	8.4	20.8
8 19	19 29.78	−27 4.2	2.173	3.046	11.4	21.0

454 Mathesis 7 18.9 70°.62 4°.0/17.3 18

6 10	20 23.59	−28 39.8	1.689	2.529	15.9	13.2
6 20	20 19.30	−29 24.9	1.625	2.540	12.5	13.0
6 30	20 12.22	−30 11.0	1.582	2.552	8.7	12.8
7 10	20 3.06	−30 52.2	1.563	2.563	5.2	12.6
7 20	19 52.87	−31 22.7	1.570	2.575	4.2	12.6
7 30	19 42.94	−31 38.9	1.602	2.587	7.0	12.8
8 9	19 34.51	−31 39.8	1.659	2.599	10.6	13.0
8 19	19 28.47	−31 27.4	1.739	2.610	13.9	13.3

126782 2002 ED_{12} 7 18.9 201°.68 7°.8/15.4 18

6 10	20 29.59	−40 51.2	2.067	2.880	14.3	20.2
6 20	20 24.07	−41 50.8	1.992	2.877	12.0	20.0
6 30	20 15.56	−42 43.4	1.939	2.874	9.7	19.9
7 10	20 4.74	−43 21.5	1.909	2.871	8.0	19.8
7 20	19 52.68	−43 38.9	1.904	2.867	8.0	19.7
7 30	19 40.80	−43 32.4	1.925	2.863	9.5	19.8
8 9	19 30.45	−43 2.9	1.971	2.859	11.8	20.0
8 19	19 22.65	−42 14.4	2.038	2.854	14.3	20.1

245786 2006 HQ_{13} 7 18.9 19°.06 4°.7/20.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 18.14	−12 25.7	1.082	1.937	21.8	19.9
6 20	20 15.96	−11 48.9	1.022	1.942	17.7	19.6
6 30	20 10.45	−11 28.3	0.979	1.947	12.9	19.4
7 10	20 2.38	−11 24.9	0.955	1.954	7.8	19.1
7 20	19 52.97	−11 37.2	0.952	1.961	4.7	19.0
7 30	19 43.82	−12 2.1	0.971	1.970	7.4	19.1
8 9	19 36.47	−12 34.5	1.011	1.979	12.2	19.4
8 19	19 31.97	−13 9.5	1.071	1.990	16.8	19.7

355595 2008 CO_{179} 7 18.9 43°.95 9°.2/15.4 16

6 10	20 27.36	−43 34.9	1.813	2.633	15.7	19.7
6 20	20 22.51	−44 43.7	1.768	2.653	13.2	19.5
6 30	20 14.47	−45 41.2	1.744	2.673	11.0	19.4
7 10	20 4.13	−46 19.6	1.742	2.693	9.5	19.4
7 20	19 52.78	−46 32.9	1.763	2.714	9.4	19.4
7 30	19 41.97	−46 19.3	1.809	2.735	10.7	19.5
8 9	19 33.06	−45 41.2	1.877	2.757	12.7	19.7
8 19	19 26.96	−44 43.9	1.966	2.778	14.8	19.9

144194 2004 BA_{124} 7 18.9 189°.33 3°.6/17.2 18

6 10	20 23.61	−25 52.5	1.695	2.533	15.9	20.0
6 20	20 19.52	−26 55.5	1.617	2.532	12.5	19.8
6 30	20 12.58	−28 4.1	1.561	2.532	8.7	19.6
7 10	20 3.37	−29 11.9	1.528	2.531	5.0	19.4
7 20	19 52.86	−30 12.0	1.522	2.530	3.8	19.3
7 30	19 42.36	−30 58.5	1.542	2.528	7.0	19.5
8 9	19 33.19	−31 28.6	1.587	2.527	10.9	19.7
8 19	19 26.40	−31 42.7	1.654	2.525	14.5	19.9

49142 1998 SQ_{42} 7 18.9 216°.72 2°.0/18.1 18

6 10	20 24.82	−24 38.6	1.927	2.753	14.7	20.4
6 20	20 20.06	−25 2.4	1.838	2.747	11.6	20.2
6 30	20 12.72	−25 29.9	1.771	2.740	8.0	20.0
7 10	20 3.37	−25 56.8	1.728	2.733	4.1	19.7
7 20	19 52.87	−26 19.1	1.712	2.725	2.2	19.6
7 30	19 42.37	−26 33.2	1.723	2.716	5.6	19.8
8 9	19 33.05	−26 37.7	1.760	2.707	9.5	20.0
8 19	19 25.81	−26 32.7	1.821	2.697	13.1	20.2

423049 2003 UA_{204} 7 18.9 261°.42 1°.0/19.4 18

6 10	20 22.63	−17 3.0	1.698	2.523	16.4	22.4
6 20	20 18.75	−17 11.9	1.598	2.505	13.2	22.2
6 30	20 12.12	−17 30.9	1.518	2.485	9.2	21.9
7 10	20 3.22	−17 58.2	1.461	2.466	4.7	21.6
7 20	19 52.88	−18 30.4	1.430	2.445	1.0	21.3
7 30	19 42.30	−19 3.7	1.425	2.424	5.5	21.5
8 9	19 32.80	−19 34.6	1.445	2.403	10.2	21.8
8 19	19 25.47	−20 0.7	1.489	2.382	14.5	22.0

276095 2002 ER_{10} 7 18.9 43°.94 10°.3/25.1 17

6 10	20 18.60	+ 3 51.1	1.410	2.182	21.7	19.7
6 20	20 15.23	+ 4 34.8	1.365	2.210	18.7	19.6
6 30	20 9.31	+ 4 50.4	1.336	2.240	15.5	19.4
7 10	20 1.60	+ 4 35.1	1.326	2.269	12.5	19.3
7 20	19 53.11	+ 3 49.4	1.336	2.300	10.6	19.3
7 30	19 45.00	+ 2 37.7	1.370	2.331	10.5	19.4
8 9	19 38.34	+ 1 7.6	1.426	2.362	12.2	19.6
8 19	19 33.87	− 0 32.1	1.504	2.393	14.7	19.8

468402 2016 GC_{130} 7 18.9 49°.53 1°.1/18.6 17

6 10	20 22.99	−21 38.9	1.244	2.099	19.5	21.5
6 20	20 19.45	−21 55.2	1.188	2.113	15.3	21.2
6 30	20 12.62	−22 19.1	1.150	2.126	10.4	21.0
7 10	20 3.36	−22 46.1	1.133	2.141	5.0	20.7
7 20	19 52.91	−23 10.9	1.140	2.156	1.3	20.5
7 30	19 42.87	−23 29.2	1.171	2.171	6.4	20.9
8 9	19 34.69	−23 38.7	1.225	2.186	11.3	21.2
8 19	19 29.34	−23 39.6	1.300	2.202	15.6	21.5

9604 Bellevanzuylen 7 18.9 264°.46 0°.9/19.4 18 R

6 10	20 20.64	−16 15.8	1.699	2.526	16.3	18.4
6 20	20 17.11	−16 37.2	1.605	2.513	13.1	18.2
6 30	20 10.93	−17 10.7	1.531	2.499	9.1	17.9
7 10	20 2.62	−17 53.8	1.481	2.485	4.6	17.6
7 20	19 52.98	−18 42.6	1.456	2.471	0.9	17.3
7 30	19 43.18	−19 32.5	1.457	2.457	5.3	17.6
8 9	19 34.47	−20 19.1	1.484	2.442	9.9	17.8
8 19	19 27.86	−20 59.5	1.533	2.428	14.1	18.1

347124 2010 JQ_{162} 7 18.9 51°.40 2°.5/17.8 16

6 10	20 20.74	−25 8.7	1.862	2.699	14.7	21.0
6 20	20 16.84	−25 45.4	1.789	2.703	11.6	20.8
6 30	20 10.47	−26 25.8	1.736	2.708	7.9	20.6
7 10	20 2.25	−27 5.4	1.708	2.713	4.2	20.4
7 20	19 53.04	−27 39.6	1.706	2.717	2.6	20.3
7 30	19 43.96	−28 4.5	1.731	2.722	5.7	20.5
8 9	19 36.09	−28 18.3	1.781	2.728	9.5	20.8
8 19	19 30.28	−28 21.3	1.854	2.733	12.8	21.0

209112 2003 SH_{146} 7 18.9 241°.94 3°.6/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 25.62	−30 57.5	2.415	3.230	12.4	21.5
6 20	20 20.34	−31 25.3	2.314	3.214	9.9	21.3
6 30	20 12.74	−31 52.1	2.235	3.196	7.1	21.1
7 10	20 3.35	−32 13.5	2.183	3.178	4.5	20.9
7 20	19 52.91	−32 25.6	2.158	3.159	3.8	20.8
7 30	19 42.43	−32 25.6	2.161	3.140	5.9	20.9
8 9	19 32.91	−32 12.8	2.192	3.120	8.9	21.1
8 19	19 25.20	−31 48.6	2.247	3.100	11.9	21.2

72754 2001 FC_{131} 7 18.9 152°.87 0°.2/18.9 18

6 10	20 21.04	−20 12.5	1.946	2.772	14.6	20.4
6 20	20 16.89	−20 24.2	1.865	2.773	11.5	20.2
6 30	20 10.42	−20 41.9	1.805	2.774	7.8	20.0
7 10	20 2.21	−21 3.0	1.770	2.776	3.8	19.7
7 20	19 53.06	−21 24.4	1.761	2.777	0.5	19.4
7 30	19 43.99	−21 43.2	1.779	2.778	4.7	19.8
8 9	19 36.03	−21 57.3	1.824	2.779	8.7	20.0
8 19	19 29.97	−22 6.0	1.892	2.779	12.2	20.2

277574 2005 YR_{192} 7 18.9 150°.29 0°.4/18.8 17

6 10	20 21.45	−19 50.5	1.913	2.739	14.8	21.3
6 20	20 17.26	−20 17.2	1.834	2.742	11.7	21.1
6 30	20 10.71	−20 51.4	1.776	2.746	7.9	20.9
7 10	20 2.36	−21 29.7	1.743	2.749	3.8	20.7
7 20	19 53.04	−22 8.2	1.736	2.752	0.7	20.4
7 30	19 43.80	−22 43.1	1.756	2.754	4.9	20.7
8 9	19 35.67	−23 11.6	1.803	2.757	8.9	21.0
8 19	19 29.48	−23 32.6	1.874	2.759	12.4	21.2

278586 2008 KW_{34} 7 18.9 297°.03 2°.9/17.8 17

6 10	20 21.80	−24 54.0	1.569	2.414	16.6	21.2
6 20	20 18.30	−25 35.6	1.489	2.409	13.1	20.9
6 30	20 11.85	−26 22.9	1.430	2.404	9.1	20.7
7 10	20 3.07	−27 10.5	1.394	2.399	4.8	20.4
7 20	19 52.95	−27 52.2	1.382	2.394	3.1	20.3
7 30	19 42.85	−28 22.9	1.397	2.389	6.7	20.5
8 9	19 34.13	−28 40.1	1.435	2.384	11.0	20.8
8 19	19 27.87	−28 43.8	1.495	2.380	15.0	21.0

136368 2004 EC_{15} 7 18.9 283°.08 8°.5/14.2 18

6 10	20 25.59	−41 34.7	2.037	2.856	14.3	19.2
6 20	20 21.27	−42 51.8	1.955	2.842	12.1	19.1
6 30	20 13.92	−44 3.2	1.895	2.828	10.0	18.9
7 10	20 4.12	−45 0.6	1.858	2.814	8.7	18.8
7 20	19 52.86	−45 37.0	1.845	2.799	8.8	18.8
7 30	19 41.54	−45 47.9	1.857	2.785	10.4	18.8
8 9	19 31.62	−45 33.2	1.892	2.771	12.7	18.9
8 19	19 24.21	−44 56.3	1.948	2.757	15.1	19.1

137423 1999 TO_{202} 7 18.9 23°.00 5°.2/21.2 18

6 10	20 18.38	− 8 14.7	1.662	2.472	17.4	19.7
6 20	20 15.04	− 7 44.7	1.586	2.474	14.3	19.5
6 30	20 9.29	− 7 29.5	1.529	2.478	10.8	19.3
7 10	20 1.71	− 7 30.0	1.495	2.481	7.3	19.1
7 20	19 53.16	− 7 45.8	1.484	2.485	5.3	19.0
7 30	19 44.70	− 8 14.6	1.499	2.489	6.6	19.1
8 9	19 37.39	− 8 52.7	1.538	2.493	9.9	19.3
8 19	19 32.07	− 9 35.7	1.600	2.498	13.4	19.5

433997 2000 SH_{52} 7 18.9 318°.72 1°.2/18.7 18

6 10	20 17.08	−22 39.0	1.107	1.981	20.1	21.2
6 20	20 15.96	−22 39.4	1.014	1.950	16.2	20.9
6 30	20 11.18	−22 46.6	0.938	1.920	11.3	20.5
7 10	20 3.17	−22 57.4	0.882	1.890	5.6	20.1
7 20	19 52.95	−23 6.7	0.846	1.862	1.5	19.7
7 30	19 42.25	−23 9.7	0.832	1.834	7.6	20.0
8 9	19 33.08	−23 3.5	0.839	1.808	13.9	20.2
8 19	19 27.09	−22 48.0	0.863	1.783	19.6	20.4

36246 1999 VN_{108} 7 18.9 33°.87 2°.7/19.9 18

6 10	20 19.71	−15 16.5	1.102	1.960	21.3	18.4
6 20	20 17.00	−14 59.3	1.052	1.976	16.9	18.2
6 30	20 10.99	−14 56.3	1.020	1.993	11.9	18.0
7 10	20 2.59	−15 6.1	1.007	2.011	6.4	17.7
7 20	19 53.07	−15 25.4	1.016	2.030	2.7	17.6
7 30	19 44.02	−15 50.1	1.049	2.050	6.4	17.9
8 9	19 36.86	−16 15.9	1.103	2.071	11.4	18.2
8 19	19 32.52	−16 39.6	1.178	2.093	15.8	18.5

434657 2005 YU_{91} 7 18.9 262°.79 0°.2/18.9 18

6 10	20 20.77	−19 3.9	1.832	2.661	15.3	21.5
6 20	20 17.04	−19 28.2	1.738	2.648	12.1	21.2
6 30	20 10.79	−20 1.4	1.665	2.635	8.3	21.0
7 10	20 2.53	−20 40.6	1.616	2.622	4.1	20.7
7 20	19 53.06	−21 21.8	1.593	2.609	0.5	20.4
7 30	19 43.47	−22 0.8	1.597	2.595	5.1	20.7
8 9	19 34.93	−22 34.2	1.626	2.582	9.5	20.9
8 19	19 28.37	−23 0.2	1.679	2.568	13.4	21.1

211611 2003 UY_5 7 18.9 345°.10 4°.2/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 5.33	−21 46.0	0.868	1.772	21.4	18.5
6 20	20 7.07	−23 6.4	0.799	1.753	17.0	18.1
6 30	20 5.22	−24 46.6	0.746	1.736	11.7	17.8
7 10	20 0.26	−26 38.7	0.711	1.721	6.3	17.4
7 20	19 53.29	−28 30.2	0.696	1.708	4.7	17.3
7 30	19 46.14	−30 6.9	0.700	1.698	9.8	17.5
8 9	19 40.85	−31 18.8	0.722	1.691	15.6	17.8
8 19	19 38.95	−32 1.8	0.760	1.686	20.9	18.1

230301 2002 AL_{52} 7 18.9 162°.11 0°.1/19.0 18

6 10	20 24.26	−20 35.0	2.021	2.839	14.4	20.7
6 20	20 19.26	−20 30.6	1.940	2.843	11.4	20.5
6 30	20 11.96	−20 30.7	1.880	2.847	7.8	20.3
7 10	20 2.95	−20 33.0	1.845	2.850	3.8	20.1
7 20	19 53.06	−20 35.3	1.836	2.853	0.4	19.8
7 30	19 43.30	−20 35.6	1.857	2.855	4.6	20.1
8 9	19 34.67	−20 32.7	1.903	2.857	8.5	20.4
8 19	19 27.97	−20 26.4	1.975	2.858	11.9	20.6

414898 2010 XW_{37} 7 18.9 147°.96 1°.8/18.2 17

6 10	20 24.92	−23 41.3	1.948	2.772	14.7	21.8
6 20	20 19.95	−24 12.8	1.873	2.780	11.5	21.6
6 30	20 12.53	−24 48.6	1.819	2.788	7.8	21.4
7 10	20 3.26	−25 24.4	1.791	2.796	3.9	21.2
7 20	19 53.04	−25 56.0	1.789	2.803	2.0	21.0
7 30	19 42.95	−26 19.8	1.815	2.809	5.3	21.3
8 9	19 34.08	−26 34.0	1.868	2.814	9.1	21.5
8 19	19 27.27	−26 38.8	1.945	2.820	12.5	21.7

37253 2000 WN_{188} 7 18.9 51°.05 0°.5/19.2 18

6 10	20 22.24	−19 38.1	1.576	2.413	17.0	18.9
6 20	20 18.20	−19 31.4	1.509	2.423	13.4	18.7
6 30	20 11.48	−19 31.3	1.462	2.433	9.2	18.5
7 10	20 2.77	−19 35.6	1.438	2.444	4.5	18.2
7 20	19 53.10	−19 41.5	1.439	2.455	0.6	18.0
7 30	19 43.68	−19 46.6	1.465	2.466	5.2	18.3
8 9	19 35.71	−19 49.0	1.517	2.477	9.7	18.6
8 19	19 30.02	−19 48.0	1.592	2.489	13.5	18.9

316081 2009 KY 7 18.9 80°.56 3°.2/20.4 17

6 10	20 22.26	−11 28.8	1.436	2.260	19.0	21.2
6 20	20 18.37	−11 36.8	1.374	2.276	15.2	21.0
6 30	20 11.68	−12 1.2	1.330	2.292	10.9	20.8
7 10	20 2.90	−12 40.3	1.309	2.307	6.3	20.6
7 20	19 53.09	−13 30.4	1.311	2.323	3.2	20.4
7 30	19 43.52	−14 26.4	1.339	2.338	5.9	20.6
8 9	19 35.44	−15 23.0	1.392	2.354	10.2	20.9
8 19	19 29.75	−16 15.8	1.467	2.369	14.2	21.2

217189 2002 SX_{56} 7 18.9 282°.42 0°.4/18.8 18

6 10	20 20.58	−18 50.7	1.601	2.438	16.7	20.3
6 20	20 17.42	−19 23.3	1.503	2.418	13.3	20.1
6 30	20 11.40	−20 7.7	1.425	2.397	9.2	19.8
7 10	20 2.99	−21 0.4	1.370	2.376	4.5	19.5
7 20	19 53.05	−21 56.5	1.340	2.356	0.8	19.1
7 30	19 42.82	−22 50.2	1.335	2.335	5.8	19.4
8 9	19 33.69	−23 36.7	1.356	2.314	10.8	19.7
8 19	19 26.83	−24 13.4	1.399	2.292	15.2	19.9

313321 2002 EA_{124} 7 18.9 190°.86 3°.6/20.5 17

6 10	20 22.67	−11 13.5	1.656	2.467	17.4	22.0
6 20	20 18.54	−11 4.3	1.573	2.467	14.1	21.7
6 30	20 11.80	−11 8.9	1.510	2.466	10.3	21.5
7 10	20 3.01	−11 26.9	1.469	2.464	6.2	21.3
7 20	19 53.07	−11 56.5	1.453	2.463	3.6	21.1
7 30	19 43.13	−12 34.3	1.464	2.460	5.9	21.2
8 9	19 34.41	−13 16.4	1.500	2.458	9.9	21.5
8 19	19 27.82	−13 59.1	1.559	2.455	13.8	21.7

479262 2013 EK_{111} 7 18.9 214°.48 0°.5/19.3 18

6 10	20 18.00	−17 27.0	2.548	3.358	12.0	21.9
6 20	20 14.00	−17 46.3	2.456	3.354	9.5	21.7
6 30	20 8.23	−18 12.3	2.386	3.350	6.5	21.5
7 10	20 1.13	−18 43.3	2.342	3.346	3.3	21.3
7 20	19 53.29	−19 16.6	2.326	3.342	0.5	21.1
7 30	19 45.44	−19 49.8	2.338	3.337	3.7	21.3
8 9	19 38.33	−20 20.4	2.379	3.332	7.0	21.5
8 19	19 32.60	−20 47.0	2.444	3.327	10.0	21.7

300654 2007 UV_{99} 7 18.9 251°.98 0°.5/19.2 18

6 10	20 19.94	−18 29.1	2.073	2.894	14.0	21.5
6 20	20 15.94	−18 35.1	1.984	2.889	11.1	21.3
6 30	20 9.77	−18 47.8	1.917	2.884	7.6	21.1
7 10	20 1.95	−19 5.3	1.874	2.879	3.8	20.8
7 20	19 53.20	−19 25.0	1.857	2.873	0.6	20.5
7 30	19 44.46	−19 44.2	1.869	2.868	4.4	20.8
8 9	19 36.69	−20 1.0	1.907	2.863	8.3	21.1
8 19	19 30.66	−20 13.9	1.969	2.857	11.7	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
112069 2002 JD_{18}			7 18.9	7°.12	3°.0/18.1	17
	h m	° ′			°	m
6 10	20 18.14	−25 7.5	1.053	1.931	20.6	19.6
6 20	20 16.46	−25 28.5	0.993	1.931	16.3	19.3
6 30	20 11.10	−25 54.6	0.951	1.932	11.2	19.0
7 10	20 2.86	−26 20.0	0.928	1.935	5.8	18.7
7 20	19 53.09	−26 38.2	0.926	1.939	3.2	18.6
7 30	19 43.62	−26 44.5	0.946	1.945	7.7	18.9
8 9	19 36.18	−26 37.2	0.987	1.951	13.0	19.2
8 19	19 31.90	−26 17.9	1.047	1.959	17.6	19.5
400481 2008 GO_{139}			7 18.9	24°.40	3°.9/21.1	18
6 10	20 16.71	− 8 41.9	2.212	3.006	14.1	20.9
6 20	20 13.14	− 8 30.2	2.127	3.007	11.5	20.7
6 30	20 7.72	− 8 30.5	2.064	3.009	8.6	20.6
7 10	20 0.90	− 8 42.7	2.024	3.011	5.7	20.4
7 20	19 53.33	− 9 5.7	2.010	3.013	3.9	20.3
7 30	19 45.80	− 9 37.6	2.024	3.014	5.1	20.4
8 9	19 39.11	−10 15.4	2.063	3.017	7.9	20.5
8 19	19 33.91	−10 56.0	2.128	3.019	10.9	20.7
50302 2000 CP_{36}			7 18.9	188°.18	2°.3/20.2	18
6 10	20 18.98	−12 40.9	2.108	2.914	14.3	19.3
6 20	20 15.08	−12 47.0	2.021	2.914	11.5	19.1
6 30	20 9.12	−13 4.0	1.956	2.914	8.2	18.9
7 10	20 1.61	−13 30.5	1.915	2.913	4.7	18.6
7 20	19 53.24	−14 4.6	1.901	2.912	2.3	18.5
7 30	19 44.89	−14 43.4	1.914	2.911	4.6	18.6
8 9	19 37.45	−15 23.5	1.954	2.910	8.1	18.8
8 19	19 31.64	−16 2.4	2.018	2.909	11.4	19.0
304666 2006 WW_{72}			7 18.9	342°.28	3°.8/20.6	18
6 10	20 18.72	−10 30.3	2.112	2.911	14.5	21.2
6 20	20 14.81	−10 1.9	2.026	2.910	11.8	21.0
6 30	20 8.90	− 9 43.5	1.961	2.910	8.8	20.8
7 10	20 1.49	− 9 35.6	1.920	2.909	5.7	20.6
7 20	19 53.26	− 9 37.7	1.905	2.908	3.9	20.5
7 30	19 45.08	− 9 48.5	1.917	2.908	5.3	20.6
8 9	19 37.82	−10 5.9	1.955	2.907	8.4	20.8
8 19	19 32.17	−10 27.3	2.017	2.907	11.4	20.9
449995 2015 PR_{229}			7 18.9	346°.35	8°.7/21.3	15
6 10	20 16.39	− 3 57.5	1.646	2.444	18.0	20.5
6 20	20 13.61	− 2 28.3	1.562	2.434	15.4	20.2
6 30	20 8.43	− 1 12.4	1.497	2.424	12.6	20.0
7 10	20 1.39	− 0 14.3	1.454	2.416	10.0	19.9
7 20	19 53.27	+ 0 22.7	1.433	2.409	8.7	19.8
7 30	19 45.14	+ 0 37.4	1.435	2.402	9.5	19.8
8 9	19 38.07	+ 0 31.3	1.461	2.397	11.9	19.9
8 19	19 32.93	+ 0 8.5	1.507	2.393	14.8	20.1
381186 2007 MP_{13}			7 18.9	58°.72	2°.1/20.1	17
6 10	20 19.66	−12 45.6	1.577	2.403	17.5	20.6
6 20	20 16.13	−13 9.5	1.513	2.417	13.9	20.4
6 30	20 10.07	−13 48.2	1.468	2.432	9.8	20.2
7 10	20 2.12	−14 39.3	1.446	2.448	5.3	20.0
7 20	19 53.20	−15 38.5	1.449	2.463	2.1	19.8
7 30	19 44.48	−16 40.5	1.478	2.479	5.2	20.1
8 9	19 37.08	−17 40.4	1.533	2.494	9.4	20.3
8 19	19 31.82	−18 34.3	1.610	2.510	13.2	20.6
512465 2016 QD_{48}			7 18.9	295°.65	4°.0/17.2	17
6 10	20 22.31	−29 8.6	1.843	2.680	14.8	21.5
6 20	20 18.33	−29 49.8	1.762	2.676	11.8	21.3
6 30	20 11.68	−30 32.1	1.703	2.671	8.3	21.1
7 10	20 2.96	−31 10.2	1.668	2.667	5.1	20.9
7 20	19 53.10	−31 38.6	1.658	2.663	4.2	20.8
7 30	19 43.29	−31 53.4	1.675	2.659	6.8	21.0
8 9	19 34.75	−31 53.6	1.717	2.655	10.3	21.2
8 19	19 28.42	−31 40.3	1.781	2.651	13.7	21.4
318028 2004 EB_{16}			7 18.9	65°.66	0°.1/19.0	17
6 10	20 23.80	−19 25.0	1.445	2.284	18.1	20.8
6 20	20 19.57	−19 34.9	1.388	2.303	14.2	20.6
6 30	20 12.46	−19 53.1	1.350	2.322	9.7	20.4
7 10	20 3.26	−20 16.3	1.334	2.341	4.7	20.2
7 20	19 53.09	−20 40.4	1.344	2.360	0.5	19.9
7 30	19 43.29	−21 1.5	1.379	2.379	5.5	20.3
8 9	19 35.12	−21 17.3	1.439	2.398	10.1	20.6
8 19	19 29.44	−21 27.0	1.520	2.417	14.1	20.9
354543 2004 RP_{265}			7 18.9	344°.56	0°.1/19.1	15
6 10	20 16.05	−18 55.5	1.799	2.637	15.1	20.9
6 20	20 13.28	−19 11.2	1.714	2.629	12.0	20.7
6 30	20 8.17	−19 35.1	1.650	2.622	8.2	20.5
7 10	20 1.25	−20 4.7	1.609	2.615	4.0	20.2
7 20	19 53.30	−20 36.8	1.593	2.609	0.4	19.9
7 30	19 45.35	−21 7.6	1.604	2.604	4.9	20.2
8 9	19 38.47	−21 34.3	1.640	2.600	9.1	20.5
8 19	19 33.47	−21 55.0	1.699	2.596	12.8	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
389055 2008 VS_{53}			7 19.0	290°.89	8°.6/22.1	18
	h m	° ′			°	m
6 10	20 18.18	− 1 3.4	1.809	2.582	17.5	20.3
6 20	20 14.92	− 0 3.8	1.712	2.566	15.1	20.1
6 30	20 9.33	+ 0 39.6	1.634	2.549	12.5	19.8
7 10	20 1.87	+ 1 3.3	1.577	2.532	10.0	19.7
7 20	19 53.24	+ 1 4.8	1.543	2.515	8.6	19.5
7 30	19 44.45	+ 0 44.0	1.533	2.498	9.2	19.5
8 9	19 36.56	+ 0 3.7	1.547	2.481	11.5	19.6
8 19	19 30.48	− 0 51.3	1.583	2.465	14.5	19.8
478533 2012 TX_{7}			7 19.0	183°.05	0°.1/19.0	18
6 10	20 23.97	−20 38.9	2.278	3.089	13.2	22.3
6 20	20 18.82	−20 36.0	2.190	3.090	10.4	22.1
6 30	20 11.58	−20 37.0	2.124	3.090	7.1	21.9
7 10	20 2.78	−20 39.9	2.084	3.089	3.5	21.7
7 20	19 53.16	−20 42.6	2.072	3.088	0.4	21.4
7 30	19 43.62	−20 43.2	2.089	3.087	4.2	21.7
8 9	19 35.07	−20 40.8	2.133	3.085	7.8	21.9
8 19	19 28.22	−20 35.0	2.203	3.082	11.0	22.1
134626 1999 TM_{274}			7 19.0	300°.99	2°.2/18.4	18
6 10	20 23.51	−25 14.6	1.381	2.232	18.1	19.6
6 20	20 20.19	−25 18.6	1.294	2.216	14.5	19.3
6 30	20 13.51	−25 25.5	1.225	2.200	10.0	19.0
7 10	20 4.10	−25 31.0	1.178	2.184	5.1	18.7
7 20	19 53.03	−25 30.3	1.155	2.169	2.3	18.5
7 30	19 41.89	−25 20.1	1.156	2.153	6.8	18.7
8 9	19 32.30	−24 59.3	1.180	2.138	12.0	18.9
8 19	19 25.53	−24 29.7	1.226	2.124	16.6	19.2
186469 2002 TP_{45}			7 19.0	262°.83	2°.9/20.3	18
6 10	20 20.42	−12 8.3	1.726	2.542	16.6	20.5
6 20	20 16.88	−12 11.3	1.630	2.528	13.5	20.3
6 30	20 10.79	−12 27.9	1.554	2.513	9.8	20.0
7 10	20 2.64	−12 57.6	1.500	2.499	5.7	19.7
7 20	19 53.20	−13 38.0	1.472	2.484	2.9	19.5
7 30	19 43.60	−14 25.6	1.470	2.469	5.5	19.6
8 9	19 35.02	−15 15.9	1.494	2.453	9.8	19.9
8 19	19 28.45	−16 5.1	1.540	2.438	13.9	20.1
261533 2005 WK_{104}			7 19.0	169°.35	1°.8/17.7	18
6 10	20 19.15	−24 41.3	2.894	3.709	10.6	21.2
6 20	20 14.74	−25 23.8	2.809	3.712	8.3	21.1
6 30	20 8.66	−26 9.1	2.748	3.714	5.7	20.9
7 10	20 1.35	−26 54.0	2.714	3.717	3.0	20.7
7 20	19 53.36	−27 35.5	2.708	3.719	1.9	20.6
7 30	19 45.39	−28 10.7	2.732	3.721	4.2	20.8
8 9	19 38.12	−28 38.0	2.784	3.722	6.8	21.0
8 19	19 32.15	−28 56.8	2.861	3.723	9.3	21.2
437099 2012 UB_{99}			7 19.0	52°.44	8°.8/23.0	17
6 10	20 18.70	+ 0 33.9	1.807	2.572	17.8	21.0
6 20	20 15.05	+ 1 36.3	1.735	2.580	15.4	20.8
6 30	20 9.19	+ 2 20.2	1.683	2.588	12.7	20.6
7 10	20 1.69	+ 2 42.3	1.651	2.597	10.3	20.5
7 20	19 53.33	+ 2 41.2	1.642	2.606	8.9	20.5
7 30	19 45.07	+ 2 17.7	1.657	2.615	9.3	20.5
8 9	19 37.88	+ 1 35.5	1.696	2.624	11.1	20.6
8 19	19 32.51	+ 0 39.9	1.757	2.633	13.5	20.8
144305 2004 DT_{8}			7 19.0	65°.26	1°.1/18.6	17
6 10	20 24.26	−21 55.0	1.438	2.281	18.0	19.9
6 20	20 20.03	−22 13.4	1.380	2.298	14.1	19.7
6 30	20 12.84	−22 38.2	1.342	2.316	9.5	19.5
7 10	20 3.50	−23 5.1	1.327	2.334	4.6	19.3
7 20	19 53.14	−23 29.3	1.337	2.352	1.3	19.1
7 30	19 43.16	−23 47.0	1.372	2.370	5.8	19.4
8 9	19 34.86	−23 56.5	1.431	2.388	10.4	19.7
8 19	19 29.11	−23 57.7	1.513	2.406	14.3	20.0
84303 2002 TX_{39}			7 19.0	244°.27	4°.2/17.1	18
6 10	20 24.44	−28 32.9	1.768	2.604	15.4	19.8
6 20	20 20.26	−29 24.7	1.682	2.594	12.3	19.5
6 30	20 13.21	−30 19.4	1.616	2.584	8.7	19.3
7 10	20 3.83	−31 10.8	1.575	2.574	5.3	19.1
7 20	19 53.08	−31 52.6	1.559	2.564	4.4	19.0
7 30	19 42.26	−32 19.6	1.570	2.553	7.3	19.1
8 9	19 32.72	−32 29.9	1.606	2.542	11.1	19.3
8 19	19 25.54	−32 24.6	1.663	2.530	14.6	19.5
386787 2010 ES_{35}			7 19.0	160°.04	5°.3/16.6	18
6 10	20 27.09	−34 57.6	2.205	3.023	13.4	21.6
6 20	20 21.65	−35 40.6	2.131	3.028	10.8	21.4
6 30	20 13.70	−36 19.8	2.079	3.032	8.1	21.3
7 10	20 3.88	−36 49.8	2.052	3.036	5.8	21.1
7 20	19 53.11	−37 5.8	2.051	3.040	5.4	21.1
7 30	19 42.52	−37 5.0	2.078	3.043	7.2	21.2
8 9	19 33.22	−36 47.8	2.131	3.046	9.9	21.4
8 19	19 26.02	−36 16.6	2.207	3.048	12.5	21.6