311458 2005 UB_{386} 7 12.9 253°.26 4°.7/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 55.01	−34 10.2	2.354	3.224	10.9	20.8
6 20	19 49.37	−35 12.2	2.281	3.217	8.4	20.6
6 30	19 41.72	−36 10.1	2.232	3.210	6.0	20.4
7 10	19 32.73	−36 58.9	2.210	3.203	4.7	20.4
7 20	19 23.28	−37 34.6	2.215	3.195	5.8	20.4
7 30	19 14.37	−37 55.0	2.247	3.188	8.2	20.5
8 9	19 6.95	−38 0.3	2.303	3.180	10.8	20.7
8 19	19 1.67	−37 52.6	2.381	3.172	13.2	20.9

509975 2009 TW_{9} 7 12.9 309°.38 7°.7/ 9.7 18

6 10	19 56.42	−34 9.3	1.346	2.240	15.9	20.7
6 20	19 52.03	−35 38.2	1.261	2.210	12.5	20.4
6 30	19 44.11	−37 6.3	1.197	2.180	9.2	20.1
7 10	19 33.44	−38 22.9	1.156	2.150	7.7	19.9
7 20	19 21.42	−39 18.0	1.137	2.120	9.5	19.9
7 30	19 10.02	−39 45.4	1.142	2.091	13.4	20.1
8 9	19 1.13	−39 45.0	1.166	2.063	17.6	20.2
8 19	18 56.08	−39 21.3	1.207	2.035	21.4	20.4

89764 2002 AW_{61} 7 13.0 313°.31 3°.7/12.4 18

6 10	19 59.69	−31 25.3	1.552	2.436	14.8	18.1
6 20	19 53.39	−31 21.2	1.477	2.425	11.1	17.9
6 30	19 44.27	−31 10.0	1.424	2.415	7.1	17.6
7 10	19 33.35	−30 47.4	1.396	2.405	3.9	17.4
7 20	19 21.97	−30 11.1	1.393	2.395	5.3	17.5
7 30	19 11.63	−29 21.8	1.416	2.386	9.3	17.7
8 9	19 3.60	−28 22.7	1.462	2.377	13.4	17.9
8 19	18 58.64	−27 18.4	1.529	2.369	17.1	18.1

464884 2005 LY_{1} 7 13.0 347°.47 4°.3/14.4 17

6 10	19 45.87	−12 35.4	0.971	1.880	19.2	19.9
6 20	19 44.03	−12 35.6	0.907	1.866	14.8	19.6
6 30	19 39.18	−12 55.9	0.860	1.853	9.8	19.2
7 10	19 32.22	−13 35.8	0.832	1.842	5.1	19.0
7 20	19 24.49	−14 31.4	0.824	1.834	5.6	18.9
7 30	19 17.67	−15 36.5	0.838	1.827	10.6	19.2
8 9	19 13.27	−16 43.8	0.870	1.822	15.9	19.5
8 19	19 12.25	−17 47.2	0.919	1.819	20.6	19.7

418333 2008 GH_{7} 7 13.0 154°.53 1°.8/13.7 17

6 10	19 57.14	−15 30.5	2.014	2.874	12.9	22.6
6 20	19 50.73	−15 40.9	1.947	2.883	9.6	22.4
6 30	19 42.40	−15 59.1	1.903	2.891	5.9	22.2
7 10	19 32.89	−16 23.3	1.886	2.898	2.4	22.0
7 20	19 23.08	−16 50.9	1.897	2.905	3.2	22.0
7 30	19 13.96	−17 19.7	1.936	2.911	6.8	22.3
8 9	19 6.39	−17 47.5	2.001	2.916	10.3	22.5
8 19	19 0.97	−18 13.0	2.088	2.921	13.4	22.7

478305 2011 WA_{59} 7 13.0 203°.33 0°.4/12.8 18

6 10	19 52.72	−21 28.0	2.392	3.262	10.7	22.1
6 20	19 47.42	−21 57.7	2.316	3.260	7.8	21.9
6 30	19 40.46	−22 30.9	2.265	3.258	4.6	21.7
7 10	19 32.44	−23 5.1	2.240	3.256	1.1	21.5
7 20	19 24.09	−23 37.3	2.244	3.253	2.6	21.6
7 30	19 16.23	−24 5.5	2.277	3.250	6.1	21.8
8 9	19 9.62	−24 28.3	2.335	3.247	9.2	22.0
8 19	19 4.83	−24 45.5	2.417	3.244	11.9	22.2

193699 2001 FQ_{52} 7 13.0 159°.65 4°.4/11.3 18

6 10	19 58.84	−34 6.4	2.272	3.138	11.4	20.4
6 20	19 52.03	−34 44.9	2.209	3.143	8.7	20.2
6 30	19 43.18	−35 17.6	2.169	3.148	6.0	20.0
7 10	19 33.07	−35 40.0	2.157	3.153	4.4	20.0
7 20	19 22.68	−35 49.0	2.172	3.157	5.4	20.0
7 30	19 13.05	−35 43.7	2.214	3.161	7.9	20.2
8 9	19 5.11	−35 25.6	2.281	3.164	10.6	20.4
8 19	18 59.46	−34 57.4	2.370	3.167	13.1	20.5

185721 1998 SS_{92} 7 13.0 263°.37 4°.1/11.7 18

6 10	19 58.90	−30 22.9	1.646	2.528	14.1	20.2
6 20	19 52.85	−31 0.1	1.568	2.516	10.6	20.0
6 30	19 44.04	−31 34.5	1.513	2.503	6.9	19.7
7 10	19 33.33	−32 0.2	1.483	2.490	4.2	19.5
7 20	19 21.98	−32 12.5	1.478	2.476	5.7	19.6
7 30	19 11.44	−32 9.3	1.499	2.463	9.5	19.8
8 9	19 3.02	−31 51.8	1.544	2.449	13.4	20.0
8 19	18 57.57	−31 23.0	1.608	2.436	16.9	20.2

68023 2000 YW_{18} 7 13.0 114°.35 6°.0/11.4 18

6 10	20 1.06	−41 45.1	2.456	3.303	11.3	18.5
6 20	19 53.51	−42 1.0	2.394	3.308	9.1	18.4
6 30	19 43.95	−42 5.4	2.355	3.312	7.0	18.3
7 10	19 33.23	−41 54.3	2.343	3.317	6.0	18.2
7 20	19 22.39	−41 26.0	2.357	3.321	6.6	18.3
7 30	19 12.52	−40 41.0	2.399	3.325	8.4	18.4
8 9	19 4.49	−39 42.4	2.466	3.330	10.6	18.5
8 19	18 58.83	−38 34.5	2.555	3.334	12.7	18.7

479218 2013 CC_{169} 7 13.0 122°.23 1°.8/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 51.72	−14 9.3	2.338	3.197	11.4	21.7
6 20	19 46.63	−14 36.7	2.268	3.202	8.5	21.5
6 30	19 39.97	−15 12.8	2.221	3.208	5.3	21.3
7 10	19 32.33	−15 55.4	2.202	3.213	2.3	21.1
7 20	19 24.40	−16 42.0	2.210	3.218	2.8	21.2
7 30	19 16.98	−17 29.6	2.247	3.223	5.9	21.4
8 9	19 10.78	−18 15.7	2.310	3.228	9.0	21.6
8 19	19 6.31	−18 58.5	2.397	3.233	11.8	21.8

233523 2007 HD_{7} 7 13.0 66°.58 1°.2/13.4 17

6 10	19 55.84	−18 20.7	1.571	2.451	14.8	20.4
6 20	19 50.13	−18 24.8	1.518	2.465	10.9	20.1
6 30	19 42.15	−18 35.7	1.486	2.479	6.5	19.9
7 10	19 32.84	−18 51.1	1.479	2.494	2.0	19.7
7 20	19 23.29	−19 8.3	1.498	2.508	3.4	19.8
7 30	19 14.71	−19 24.9	1.543	2.522	7.8	20.1
8 9	19 8.07	−19 39.4	1.611	2.537	11.8	20.4
8 19	19 3.99	−19 51.1	1.701	2.551	15.2	20.6

26208 1997 QJ_{3} 7 13.0 336°.71 5°.1/14.5 18

6 10	19 52.08	−10 46.7	1.346	2.223	17.0	18.0
6 20	19 47.88	−10 27.3	1.275	2.215	13.2	17.7
6 30	19 41.12	−10 23.4	1.225	2.208	9.1	17.5
7 10	19 32.66	−10 35.4	1.197	2.201	5.6	17.3
7 20	19 23.62	−11 1.7	1.192	2.195	5.8	17.3
7 30	19 15.36	−11 39.3	1.211	2.190	9.6	17.4
8 9	19 9.07	−12 23.7	1.252	2.185	13.8	17.7
8 19	19 5.57	−13 10.5	1.313	2.181	17.7	17.9

307100 2002 CJ_{7} 7 13.0 127°.41 12°.9/ 9.0 16

6 10	20 17.00	−54 2.6	1.778	2.587	16.4	21.2
6 20	20 6.85	−55 37.3	1.744	2.603	14.6	21.1
6 30	19 52.40	−56 47.8	1.730	2.620	13.3	21.1
7 10	19 35.27	−57 23.6	1.739	2.635	12.9	21.1
7 20	19 17.80	−57 19.9	1.769	2.650	13.5	21.1
7 30	19 2.47	−56 38.6	1.821	2.663	14.8	21.3
8 9	18 51.06	−55 27.8	1.893	2.676	16.4	21.4
8 19	18 44.28	−53 57.4	1.982	2.689	18.1	21.6

479306 2013 JD_{33} 7 13.0 109°.52 9°.2/ 7.4 18

6 10	20 3.63	−51 55.6	2.646	3.454	11.7	21.1
6 20	19 55.99	−53 24.1	2.608	3.469	10.3	21.0
6 30	19 45.71	−54 37.1	2.594	3.483	9.4	21.0
7 10	19 33.71	−55 28.4	2.604	3.498	9.2	21.0
7 20	19 21.23	−55 54.4	2.637	3.511	9.8	21.1
7 30	19 9.67	−55 55.0	2.695	3.525	10.9	21.2
8 9	19 0.23	−55 33.3	2.773	3.539	12.2	21.3
8 19	18 53.68	−54 54.0	2.870	3.552	13.5	21.4

392884 2012 US_{174} 7 13.0 214°.07 0°.1/12.9 18

6 10	19 55.10	−21 24.3	2.384	3.250	10.9	22.5
6 20	19 49.16	−21 34.4	2.301	3.243	8.0	22.3
6 30	19 41.49	−21 47.3	2.243	3.236	4.7	22.1
7 10	19 32.70	−22 0.6	2.212	3.228	1.1	21.8
7 20	19 23.56	−22 12.6	2.210	3.219	2.6	21.9
7 30	19 14.93	−22 21.6	2.237	3.210	6.1	22.2
8 9	19 7.60	−22 27.0	2.289	3.201	9.4	22.3
8 19	19 2.14	−22 28.9	2.365	3.191	12.2	22.5

66669 Aradac 7 13.0 227°.38 5°.6/15.3 18

6 10	19 52.95	− 5 28.6	2.062	2.895	13.6	20.0
6 20	19 47.74	− 5 11.8	1.981	2.889	11.0	19.8
6 30	19 40.73	− 5 9.5	1.922	2.882	8.2	19.6
7 10	19 32.53	− 5 22.2	1.888	2.875	6.0	19.4
7 20	19 23.94	− 5 49.3	1.881	2.868	5.9	19.4
7 30	19 15.84	− 6 28.5	1.900	2.861	8.1	19.5
8 9	19 9.07	− 7 16.4	1.944	2.853	10.9	19.7
8 19	19 4.24	− 8 9.2	2.010	2.845	13.7	19.9

443625 2014 MM_{34} 7 13.0 293°.24 1°.0/12.4 18

6 10	19 52.70	−21 16.7	2.167	3.042	11.5	20.4
6 20	19 47.64	−22 19.9	2.092	3.038	8.4	20.2
6 30	19 40.71	−23 29.0	2.040	3.035	4.9	20.0
7 10	19 32.54	−24 39.7	2.016	3.031	1.4	19.7
7 20	19 23.92	−25 47.4	2.021	3.028	3.1	19.8
7 30	19 15.77	−26 48.1	2.053	3.024	6.8	20.1
8 9	19 8.98	−27 39.6	2.111	3.021	10.2	20.3
8 19	19 4.18	−28 20.9	2.192	3.018	13.1	20.5

446810 1999 VT_{135} 7 13.0 242°.66 18°.1/ 3.5 17

6 10	20 15.14	−54 9.4	1.219	2.059	20.8	20.7
6 20	20 8.31	−56 59.7	1.174	2.050	19.1	20.6
6 30	19 54.94	−59 25.2	1.146	2.041	18.2	20.5
7 10	19 36.20	−61 6.4	1.138	2.031	18.4	20.5
7 20	19 15.19	−61 49.9	1.147	2.021	19.6	20.5
7 30	18 56.29	−61 33.9	1.173	2.011	21.5	20.6
8 9	18 43.10	−60 29.3	1.213	2.000	23.7	20.7
8 19	18 37.02	−58 51.2	1.265	1.989	25.8	20.9

91200 1998 SM_{153} 7 13.0 47°.26 11°.9/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 49.82	+15 26.2	2.191	2.904	16.5	18.9
6 20	19 45.29	+16 6.1	2.134	2.915	15.0	18.8
6 30	19 39.20	+16 20.0	2.095	2.927	13.5	18.7
7 10	19 32.16	+16 5.1	2.074	2.939	12.4	18.7
7 20	19 24.90	+15 21.1	2.075	2.951	11.9	18.7
7 30	19 18.21	+14 10.3	2.098	2.964	12.2	18.7
8 9	19 12.78	+12 38.2	2.143	2.977	13.1	18.8
8 19	19 9.12	+10 51.0	2.208	2.989	14.4	18.9

376932 2002 CD_{141} 7 13.0 181°.37 2°.0/13.8 17

6 10	19 55.36	−14 51.4	2.314	3.168	11.6	22.1
6 20	19 49.30	−14 56.4	2.237	3.169	8.7	21.9
6 30	19 41.55	−15 8.6	2.185	3.170	5.5	21.7
7 10	19 32.73	−15 26.6	2.159	3.170	2.5	21.5
7 20	19 23.59	−15 48.6	2.162	3.169	3.0	21.6
7 30	19 14.99	−16 12.8	2.194	3.168	6.2	21.8
8 9	19 7.69	−16 37.3	2.252	3.166	9.4	22.0
8 19	19 2.25	−17 0.8	2.334	3.163	12.3	22.2

510987 2013 HM_{125} 7 13.0 185°.29 0°.6/12.7 18

6 10	19 53.35	−23 40.3	2.954	3.817	9.1	22.5
6 20	19 47.58	−23 50.0	2.876	3.817	6.6	22.3
6 30	19 40.44	−24 0.4	2.824	3.816	3.9	22.1
7 10	19 32.46	−24 9.7	2.800	3.815	1.0	21.9
7 20	19 24.25	−24 16.3	2.806	3.814	2.3	22.0
7 30	19 16.50	−24 19.2	2.841	3.812	5.2	22.2
8 9	19 9.81	−24 18.2	2.903	3.809	7.8	22.4
8 19	19 4.64	−24 13.6	2.989	3.807	10.1	22.5

425706 2011 BO_{10} 7 13.0 50°.61 0°.6/12.9 17

6 10	19 57.97	−23 3.6	1.352	2.243	16.1	20.4
6 20	19 51.84	−23 6.5	1.313	2.266	11.7	20.2
6 30	19 43.16	−23 11.7	1.294	2.290	6.7	20.0
7 10	19 33.09	−23 15.8	1.299	2.314	1.6	19.7
7 20	19 22.95	−23 16.3	1.329	2.339	3.7	19.9
7 30	19 14.13	−23 12.0	1.384	2.364	8.5	20.3
8 9	19 7.65	−23 3.2	1.462	2.388	12.7	20.6
8 19	19 4.07	−22 50.9	1.560	2.414	16.1	20.9

455724 2005 GA_{117} 7 13.0 62°.80 2°.0/12.5 16

6 10	19 58.98	−25 0.8	1.301	2.194	16.4	21.6
6 20	19 52.82	−25 25.4	1.257	2.212	12.0	21.3
6 30	19 43.86	−25 50.9	1.234	2.230	7.0	21.1
7 10	19 33.27	−26 12.3	1.234	2.248	2.4	20.9
7 20	19 22.50	−26 25.5	1.259	2.267	4.5	21.1
7 30	19 13.05	−26 28.9	1.308	2.285	9.2	21.4
8 9	19 6.11	−26 23.1	1.380	2.304	13.5	21.7
8 19	19 2.29	−26 10.1	1.472	2.322	17.1	22.0

481173 2005 UF_{237} 7 13.0 263°.24 0°.9/13.4 18

6 10	19 51.93	−17 40.7	2.354	3.220	11.0	22.1
6 20	19 46.90	−17 56.1	2.268	3.209	8.2	21.9
6 30	19 40.21	−18 17.3	2.207	3.197	4.9	21.7
7 10	19 32.44	−18 42.7	2.172	3.186	1.6	21.4
7 20	19 24.27	−19 9.9	2.165	3.175	2.6	21.5
7 30	19 16.54	−19 37.1	2.187	3.163	6.1	21.7
8 9	19 10.01	−20 2.3	2.234	3.151	9.3	21.9
8 19	19 5.26	−20 24.6	2.305	3.140	12.2	22.0

210934 2001 TX_{172} 7 13.0 312°.38 5°.5/10.7 18

6 10	19 56.02	−34 42.7	1.917	2.794	12.7	20.1
6 20	19 50.48	−35 39.0	1.848	2.787	9.8	19.9
6 30	19 42.54	−36 29.7	1.802	2.781	7.0	19.7
7 10	19 33.01	−37 9.0	1.781	2.775	5.5	19.6
7 20	19 22.97	−37 32.3	1.786	2.769	6.7	19.7
7 30	19 13.70	−37 37.6	1.817	2.763	9.4	19.8
8 9	19 6.29	−37 26.0	1.871	2.757	12.4	20.0
8 19	19 1.50	−37 0.6	1.945	2.752	15.2	20.2

344659 2003 SP_{65} 7 13.0 287°.75 9°.0/15.7 18

6 10	19 52.62	+ 1 3.3	1.914	2.723	15.4	21.0
6 20	19 47.84	+ 1 47.1	1.814	2.694	13.2	20.8
6 30	19 41.00	+ 2 12.5	1.735	2.665	10.9	20.6
7 10	19 32.67	+ 2 16.2	1.678	2.636	9.3	20.4
7 20	19 23.66	+ 1 56.7	1.646	2.606	9.2	20.4
7 30	19 14.97	+ 1 14.7	1.638	2.576	10.8	20.4
8 9	19 7.57	+ 0 14.1	1.653	2.546	13.4	20.5
8 19	19 2.25	− 0 59.9	1.689	2.516	16.2	20.6

347862 2002 RB_{201} 7 13.0 309°.49 6°.9/10.8 18

6 10	19 58.26	−37 40.3	1.711	2.587	14.0	20.1
6 20	19 52.49	−38 25.3	1.636	2.572	11.1	19.9
6 30	19 43.88	−39 1.3	1.583	2.557	8.3	19.7
7 10	19 33.35	−39 21.4	1.554	2.543	6.9	19.6
7 20	19 22.21	−39 20.9	1.550	2.528	8.0	19.6
7 30	19 11.97	−38 58.3	1.570	2.514	10.8	19.8
8 9	19 3.98	−38 16.4	1.613	2.501	14.0	19.9
8 19	18 59.05	−37 20.2	1.675	2.488	17.0	20.1

294575 2007 YA_{53} 7 13.0 130°.46 0°.5/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 57.80	−19 12.4	1.658	2.533	14.4	22.1
6 20	19 51.59	−19 32.3	1.597	2.543	10.6	21.9
6 30	19 43.07	−19 58.7	1.558	2.552	6.2	21.7
7 10	19 33.12	−20 28.1	1.545	2.560	1.6	21.4
7 20	19 22.83	−20 57.3	1.559	2.569	3.3	21.5
7 30	19 13.42	−21 23.3	1.599	2.577	7.7	21.8
8 9	19 5.93	−21 44.6	1.664	2.584	11.8	22.1
8 19	19 1.01	−22 0.8	1.750	2.591	15.2	22.3

95775 2003 ET_{53} 7 13.0 43°.74 4°.5/15.3 18

6 10	19 53.23	− 8 2.1	1.317	2.186	17.8	18.3
6 20	19 48.45	− 8 40.3	1.273	2.208	13.7	18.1
6 30	19 41.28	− 9 39.5	1.249	2.230	9.2	17.9
7 10	19 32.69	−10 56.3	1.247	2.252	5.3	17.8
7 20	19 23.87	−12 24.6	1.271	2.275	5.2	17.8
7 30	19 16.08	−13 57.2	1.319	2.299	8.7	18.1
8 9	19 10.36	−15 27.1	1.390	2.323	12.7	18.4
8 19	19 7.32	−16 49.5	1.483	2.347	16.2	18.7

338689 2003 TW_{47} 7 13.0 184°.55 5°.6/15.2 17

6 10	19 53.49	− 5 12.9	2.232	3.059	13.0	21.2
6 20	19 47.96	− 4 47.2	2.156	3.059	10.4	21.1
6 30	19 40.79	− 4 34.5	2.103	3.059	7.8	20.9
7 10	19 32.57	− 4 35.6	2.075	3.058	5.9	20.8
7 20	19 24.05	− 4 50.2	2.074	3.057	5.9	20.8
7 30	19 16.04	− 5 16.7	2.100	3.055	7.7	20.9
8 9	19 9.28	− 5 52.2	2.151	3.054	10.3	21.0
8 19	19 4.33	− 6 33.5	2.225	3.051	12.9	21.2

129256 2005 QG_{70} 7 13.0 217°.75 3°.1/14.6 18

6 10	19 51.43	−10 22.9	2.433	3.279	11.4	20.5
6 20	19 46.43	−10 33.5	2.352	3.275	8.8	20.3
6 30	19 39.89	−10 54.5	2.294	3.270	5.9	20.1
7 10	19 32.37	−11 24.8	2.262	3.265	3.5	20.0
7 20	19 24.52	−12 2.8	2.258	3.260	3.7	20.0
7 30	19 17.09	−12 46.1	2.283	3.254	6.2	20.1
8 9	19 10.79	−13 31.9	2.334	3.249	9.1	20.3
8 19	19 6.13	−14 17.8	2.408	3.243	11.7	20.5

55500 2001 UK_{90} 7 13.0 21°.00 1°.2/12.5 18

6 10	19 53.56	−23 34.1	1.965	2.845	12.3	19.3
6 20	19 48.34	−24 3.3	1.897	2.846	9.0	19.1
6 30	19 41.13	−24 35.0	1.852	2.847	5.2	18.8
7 10	19 32.67	−25 5.7	1.834	2.848	1.6	18.6
7 20	19 23.85	−25 32.3	1.842	2.850	3.3	18.7
7 30	19 15.70	−25 52.4	1.877	2.851	7.1	19.0
8 9	19 9.13	−26 5.1	1.938	2.853	10.6	19.2
8 19	19 4.74	−26 10.9	2.020	2.855	13.7	19.4

39016 2000 UH_{50} 7 13.0 297°.07 0°.2/12.9 18

6 10	19 54.15	−20 33.7	1.622	2.507	14.2	18.7
6 20	19 49.32	−20 57.0	1.536	2.487	10.5	18.4
6 30	19 42.00	−21 27.0	1.473	2.468	6.2	18.1
7 10	19 32.93	−22 0.3	1.433	2.449	1.5	17.7
7 20	19 23.15	−22 33.1	1.420	2.430	3.5	17.8
7 30	19 13.94	−23 2.1	1.432	2.411	8.3	18.1
8 9	19 6.52	−23 25.1	1.468	2.392	12.7	18.3
8 19	19 1.74	−23 41.5	1.524	2.374	16.6	18.5

367958 2012 DZ_{64} 7 13.0 204°.52 4°.6/11.8 17

6 10	20 0.84	−31 29.6	1.533	2.416	15.0	21.2
6 20	19 54.31	−32 4.1	1.468	2.414	11.3	20.9
6 30	19 44.88	−32 33.7	1.425	2.413	7.4	20.7
7 10	19 33.58	−32 52.2	1.406	2.411	4.7	20.6
7 20	19 21.79	−32 55.1	1.412	2.409	6.1	20.6
7 30	19 11.07	−32 41.2	1.444	2.407	9.9	20.8
8 9	19 2.75	−32 12.7	1.498	2.404	13.8	21.1
8 19	18 57.58	−31 33.9	1.573	2.402	17.2	21.3

349049 2006 VC_{170} 7 13.0 83°.30 2°.8/11.6 17

6 10	19 55.06	−27 50.6	2.259	3.133	11.2	20.7
6 20	19 49.17	−28 47.7	2.209	3.153	8.2	20.6
6 30	19 41.49	−29 43.8	2.184	3.174	5.0	20.4
7 10	19 32.73	−30 34.3	2.186	3.194	2.9	20.3
7 20	19 23.75	−31 15.7	2.216	3.214	4.1	20.4
7 30	19 15.47	−31 45.8	2.273	3.233	7.0	20.6
8 9	19 8.69	−32 4.6	2.357	3.253	9.8	20.9
8 19	19 3.94	−32 13.1	2.462	3.272	12.3	21.1

466653 2014 WC_{71} 7 13.0 325°.59 0°.2/12.9 17

6 10	19 51.42	−19 0.6	1.038	1.947	18.3	20.1
6 20	19 48.30	−19 44.0	0.966	1.930	13.6	19.7
6 30	19 41.86	−20 42.0	0.914	1.913	8.1	19.4
7 10	19 32.97	−21 49.7	0.881	1.897	1.9	18.9
7 20	19 23.05	−22 59.3	0.871	1.882	4.6	19.1
7 30	19 13.95	−24 3.2	0.883	1.869	10.8	19.4
8 9	19 7.43	−24 56.3	0.914	1.856	16.5	19.6
8 19	19 4.59	−25 36.3	0.962	1.844	21.4	19.9

507960 2015 BZ_{37} 7 13.0 259°.83 4°.3/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 59.33	−29 32.7	1.578	2.462	14.6	22.2
6 20	19 53.39	−30 26.2	1.498	2.446	10.9	21.9
6 30	19 44.51	−31 19.2	1.441	2.431	7.1	21.6
7 10	19 33.56	−32 4.8	1.408	2.415	4.4	21.4
7 20	19 21.78	−32 36.8	1.401	2.398	6.1	21.5
7 30	19 10.75	−32 51.9	1.419	2.382	10.1	21.7
8 9	19 1.88	−32 50.3	1.460	2.365	14.1	21.9
8 19	18 56.14	−32 35.0	1.521	2.348	17.8	22.1

28100 1998 RG_{69} 7 13.0 298°.88 1°.5/13.6 18

6 10	19 53.12	−16 55.5	1.776	2.652	13.6	18.1
6 20	19 48.24	−17 4.5	1.696	2.641	10.1	17.9
6 30	19 41.20	−17 21.8	1.639	2.630	6.2	17.7
7 10	19 32.73	−17 45.3	1.606	2.620	2.2	17.4
7 20	19 23.75	−18 12.4	1.600	2.609	3.3	17.4
7 30	19 15.36	−18 40.5	1.620	2.599	7.5	17.7
8 9	19 8.57	−19 7.3	1.664	2.589	11.5	17.9
8 19	19 4.10	−19 31.3	1.730	2.579	15.0	18.1

113335 2002 RK_{213} 7 13.0 37°.54 3°.5/13.8 18

6 10	19 55.59	−15 3.6	1.269	2.155	17.2	19.3
6 20	19 50.38	−14 37.5	1.215	2.163	13.0	19.1
6 30	19 42.51	−14 22.3	1.181	2.171	8.3	18.8
7 10	19 33.02	−14 17.4	1.170	2.180	4.1	18.6
7 20	19 23.21	−14 21.5	1.182	2.190	4.8	18.7
7 30	19 14.49	−14 32.3	1.219	2.199	9.2	19.0
8 9	19 8.03	−14 47.2	1.277	2.210	13.6	19.2
8 19	19 4.50	−15 4.0	1.355	2.220	17.4	19.5

388084 2005 UA_{108} 7 13.0 22°.44 5°.8/15.1 16

6 10	19 50.89	− 6 51.0	1.844	2.692	14.4	20.1
6 20	19 46.30	− 6 19.6	1.780	2.698	11.4	19.9
6 30	19 39.90	− 6 2.4	1.739	2.704	8.4	19.7
7 10	19 32.39	− 6 0.5	1.721	2.711	6.2	19.6
7 20	19 24.61	− 6 13.1	1.729	2.718	6.1	19.6
7 30	19 17.49	− 6 38.4	1.762	2.726	8.3	19.8
8 9	19 11.83	− 7 12.9	1.819	2.734	11.2	20.0
8 19	19 8.21	− 7 53.1	1.897	2.743	14.0	20.2

182160 2000 SC_{161} 7 13.0 296°.69 4°.7/10.7 18

6 10	19 56.10	−32 47.7	2.133	3.007	11.7	19.7
6 20	19 50.61	−33 45.3	2.033	2.973	9.0	19.5
6 30	19 42.75	−34 40.9	1.957	2.939	6.3	19.3
7 10	19 33.15	−35 29.1	1.907	2.905	4.7	19.1
7 20	19 22.73	−36 4.6	1.884	2.870	6.0	19.1
7 30	19 12.68	−36 24.2	1.887	2.835	9.0	19.2
8 9	19 4.14	−36 27.7	1.914	2.800	12.2	19.4
8 19	18 58.02	−36 16.9	1.963	2.765	15.2	19.5

485850 2012 EB_{9} 7 13.0 99°.30 20°.0/11.6 18

6 10	20 28.48	−59 2.2	1.040	1.865	24.5	20.8
6 20	20 18.08	−60 43.4	1.011	1.875	22.4	20.7
6 30	19 59.96	−61 45.0	0.996	1.884	20.8	20.6
7 10	19 37.13	−61 48.3	0.996	1.893	20.1	20.6
7 20	19 14.50	−60 45.6	1.014	1.903	20.4	20.6
7 30	18 56.73	−58 44.5	1.048	1.911	21.7	20.8
8 9	18 46.10	−56 3.8	1.098	1.920	23.6	20.9
8 19	18 42.49	−53 2.4	1.163	1.928	25.5	21.1

521084 2015 DK_{241} 7 13.0 310°.38 6°.7/15.8 17

6 10	19 51.82	− 4 43.8	1.555	2.405	16.5	20.3
6 20	19 47.48	− 4 39.5	1.477	2.394	13.4	20.1
6 30	19 40.86	− 4 55.8	1.419	2.384	10.0	19.9
7 10	19 32.68	− 5 33.5	1.383	2.374	7.2	19.7
7 20	19 23.91	− 6 31.0	1.372	2.364	7.0	19.7
7 30	19 15.74	− 7 44.0	1.385	2.355	9.6	19.8
8 9	19 9.24	− 9 6.4	1.422	2.346	13.1	20.0
8 19	19 5.19	−10 31.8	1.479	2.337	16.6	20.2

243184 2007 TW_{216} 7 13.0 341°.11 0°.9/13.3 18

6 10	19 53.82	−19 12.8	1.770	2.649	13.5	20.3
6 20	19 48.67	−19 10.6	1.698	2.646	10.0	20.1
6 30	19 41.39	−19 13.5	1.650	2.643	5.9	19.9
7 10	19 32.77	−19 19.9	1.626	2.641	1.8	19.6
7 20	19 23.77	−19 27.6	1.628	2.638	3.1	19.7
7 30	19 15.48	−19 35.1	1.657	2.636	7.4	19.9
8 9	19 8.86	−19 41.1	1.710	2.635	11.3	20.2
8 19	19 4.57	−19 45.2	1.785	2.633	14.6	20.4

87722 2000 SD_{46} 7 13.0 296°.43 0°.8/12.9 18

6 10	19 59.13	−25 18.1	1.613	2.495	14.4	17.7
6 20	19 53.00	−24 52.1	1.523	2.473	10.7	17.5
6 30	19 44.16	−24 23.3	1.456	2.451	6.4	17.2
7 10	19 33.47	−23 49.4	1.413	2.429	1.7	16.8
7 20	19 22.12	−23 9.4	1.397	2.407	3.7	16.9
7 30	19 11.53	−22 23.9	1.407	2.385	8.6	17.1
8 9	19 2.97	−21 35.0	1.441	2.363	13.1	17.3
8 19	18 57.28	−20 45.4	1.496	2.342	17.1	17.5

472190 2014 DR_{128} 7 13.0 239°.74 0°.2/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 54.48	−21 6.2	1.999	2.874	12.3	21.9
6 20	19 49.01	−21 23.4	1.923	2.869	9.1	21.7
6 30	19 41.56	−21 44.7	1.871	2.864	5.3	21.5
7 10	19 32.83	−22 7.3	1.844	2.859	1.2	21.2
7 20	19 23.68	−22 28.6	1.845	2.854	2.9	21.3
7 30	19 15.15	−22 46.4	1.873	2.849	6.9	21.6
8 9	19 8.13	−22 59.5	1.926	2.843	10.6	21.8
8 19	19 3.28	−23 7.8	2.001	2.838	13.7	22.0

466680 2014 WV_{236} 7 13.0 195°.40 3°.2/14.2 17

6 10	19 56.16	−12 36.1	1.449	2.320	16.3	21.7
6 20	19 50.76	−12 50.7	1.380	2.320	12.4	21.5
6 30	19 42.80	−13 20.2	1.332	2.319	8.0	21.2
7 10	19 33.15	−14 2.4	1.308	2.318	3.9	21.0
7 20	19 22.95	−14 53.6	1.309	2.317	4.4	21.0
7 30	19 13.55	−15 49.2	1.336	2.315	8.7	21.2
8 9	19 6.14	−16 44.7	1.386	2.314	13.1	21.5
8 19	19 1.50	−17 36.7	1.456	2.312	16.9	21.7

365582 2010 TH_{122} 7 13.0 133°.10 2°.2/13.6 17

6 10	19 57.19	−16 43.1	1.520	2.397	15.4	21.1
6 20	19 51.34	−16 29.9	1.455	2.400	11.5	20.8
6 30	19 43.03	−16 24.7	1.411	2.402	7.1	20.6
7 10	19 33.18	−16 26.1	1.392	2.405	2.9	20.3
7 20	19 22.94	−16 32.3	1.398	2.407	3.9	20.4
7 30	19 13.59	−16 41.4	1.430	2.409	8.3	20.7
8 9	19 6.24	−16 51.9	1.486	2.411	12.6	20.9
8 19	19 1.59	−17 2.3	1.562	2.413	16.2	21.2

501828 2014 WJ_{106} 7 13.0 198°.65 2°.5/12.0 17

6 10	19 59.69	−25 32.8	1.738	2.615	13.8	22.1
6 20	19 53.23	−26 24.7	1.666	2.613	10.1	21.8
6 30	19 44.22	−27 18.9	1.616	2.609	6.1	21.6
7 10	19 33.49	−28 9.7	1.593	2.605	2.7	21.4
7 20	19 22.18	−28 51.9	1.597	2.600	4.5	21.5
7 30	19 11.61	−29 22.2	1.627	2.595	8.6	21.7
8 9	19 2.99	−29 39.8	1.682	2.589	12.5	21.9
8 19	18 57.10	−29 46.2	1.758	2.582	15.9	22.1

385831 2006 HJ_{11} 7 13.0 288°.96 0°.3/13.2 18

6 10	19 53.69	−18 44.8	1.793	2.670	13.4	20.9
6 20	19 48.65	−19 19.5	1.718	2.665	9.9	20.6
6 30	19 41.46	−20 2.1	1.666	2.660	5.8	20.4
7 10	19 32.82	−20 49.1	1.640	2.655	1.5	20.1
7 20	19 23.70	−21 36.6	1.640	2.650	3.1	20.2
7 30	19 15.20	−22 20.9	1.667	2.645	7.4	20.5
8 9	19 8.32	−22 59.5	1.719	2.640	11.4	20.7
8 19	19 3.78	−23 31.1	1.792	2.636	14.8	20.9

466683 2014 WX_{260} 7 13.0 95°.88 0°.9/13.4 17

6 10	19 57.57	−17 40.9	1.527	2.404	15.3	21.2
6 20	19 51.52	−18 8.0	1.473	2.420	11.3	21.0
6 30	19 43.08	−18 43.8	1.442	2.435	6.7	20.7
7 10	19 33.18	−19 24.5	1.435	2.450	1.9	20.5
7 20	19 23.00	−20 6.0	1.455	2.465	3.4	20.6
7 30	19 13.79	−20 44.5	1.500	2.479	8.0	20.9
8 9	19 6.63	−21 17.8	1.570	2.493	12.1	21.2
8 19	19 2.15	−21 44.9	1.660	2.507	15.6	21.5

510642 2012 TQ_{216} 7 13.0 296°.68 2°.9/12.1 18

6 10	19 56.14	−27 50.2	1.693	2.578	13.7	21.0
6 20	19 50.80	−28 15.7	1.608	2.559	10.2	20.7
6 30	19 42.89	−28 40.6	1.546	2.539	6.3	20.5
7 10	19 33.19	−29 0.2	1.508	2.520	3.1	20.2
7 20	19 22.82	−29 10.5	1.496	2.500	4.7	20.3
7 30	19 13.11	−29 9.3	1.510	2.481	8.8	20.5
8 9	19 5.30	−28 56.8	1.548	2.462	12.9	20.7
8 19	19 0.24	−28 35.3	1.605	2.443	16.5	20.9

341241 2007 RD_{176} 7 13.0 32°.96 2°.1/12.3 16

6 10	19 55.50	−26 12.3	1.767	2.651	13.3	20.9
6 20	19 49.96	−26 36.7	1.703	2.653	9.7	20.7
6 30	19 42.17	−27 1.3	1.662	2.656	5.8	20.5
7 10	19 32.98	−27 21.9	1.646	2.659	2.4	20.3
7 20	19 23.43	−27 35.3	1.656	2.662	4.0	20.4
7 30	19 14.71	−27 39.8	1.692	2.665	7.9	20.6
8 9	19 7.82	−27 35.4	1.753	2.668	11.6	20.9
8 19	19 3.42	−27 23.7	1.835	2.672	14.8	21.1

362407 2010 PJ_{4} 7 13.0 218°.66 0°.2/12.9 18

6 10	19 52.06	−19 45.2	2.587	3.452	10.2	21.0
6 20	19 46.92	−20 31.7	2.506	3.448	7.4	20.8
6 30	19 40.23	−21 23.6	2.451	3.444	4.3	20.6
7 10	19 32.52	−22 17.7	2.424	3.439	1.0	20.4
7 20	19 24.44	−23 11.0	2.425	3.434	2.4	20.5
7 30	19 16.76	−24 0.6	2.456	3.429	5.7	20.7
8 9	19 10.19	−24 44.4	2.513	3.424	8.7	20.9
8 19	19 5.26	−25 21.6	2.594	3.418	11.3	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
510901 2013 CD_{197}			7 13.0 127°.15		1°.0/13.5 18	
	h m	° ′			°	m
6 10	19 52.42	−17 13.8	2.384	3.247	11.0	22.3
6 20	19 47.15	−17 33.3	2.315	3.254	8.1	22.2
6 30	19 40.32	−17 58.8	2.271	3.261	4.9	22.0
7 10	19 32.53	−18 28.1	2.253	3.267	1.6	21.7
7 20	19 24.49	−18 59.2	2.264	3.273	2.5	21.8
7 30	19 16.97	−19 29.7	2.303	3.279	5.8	22.1
8 9	19 10.68	−19 57.9	2.369	3.285	8.9	22.3
8 19	19 6.13	−20 22.9	2.457	3.291	11.6	22.4
246302 2007 TW_{125}			7 13.0 34°.89		0°.8/13.3 17	
6 10	19 53.64	−18 56.1	1.679	2.561	14.0	20.5
6 20	19 48.56	−19 5.2	1.618	2.567	10.3	20.3
6 30	19 41.34	−19 20.6	1.580	2.574	6.1	20.0
7 10	19 32.79	−19 39.8	1.566	2.581	1.7	19.7
7 20	19 23.93	−20 0.2	1.578	2.588	3.1	19.9
7 30	19 15.89	−20 19.3	1.616	2.596	7.4	20.2
8 9	19 9.60	−20 35.6	1.678	2.604	11.4	20.4
8 19	19 5.70	−20 48.3	1.762	2.612	14.7	20.6
77015 2001 CU_{12}			7 13.0 42°.02		1°.4/12.6 18	
6 10	19 55.63	−21 48.1	1.157	2.058	17.4	18.6
6 20	19 50.71	−22 37.8	1.114	2.073	12.7	18.4
6 30	19 42.83	−23 34.2	1.090	2.089	7.3	18.1
7 10	19 33.16	−24 30.5	1.090	2.105	2.0	17.8
7 20	19 23.17	−25 20.4	1.113	2.122	4.4	18.1
7 30	19 14.46	−25 59.3	1.159	2.140	9.6	18.4
8 9	19 8.31	−26 25.8	1.227	2.158	14.2	18.7
8 19	19 5.39	−26 40.6	1.314	2.176	18.0	19.0
134040 Beaubierhaus			7 13.0 106°.82		4°.5/10.9 18	
6 10	19 58.09	−31 21.7	1.941	2.817	12.6	20.0
6 20	19 51.80	−32 31.2	1.888	2.830	9.5	19.9
6 30	19 43.24	−33 37.3	1.858	2.843	6.3	19.7
7 10	19 33.26	−34 33.8	1.855	2.856	4.5	19.6
7 20	19 22.92	−35 16.0	1.879	2.868	5.8	19.7
7 30	19 13.42	−35 41.6	1.930	2.881	8.7	19.9
8 9	19 5.78	−35 51.2	2.005	2.893	11.7	20.1
8 19	19 0.65	−35 47.4	2.100	2.904	14.3	20.3
396980 2005 SC_{113}			7 13.0 319°.08		3°.1/12.2 18	
6 10	19 55.54	−29 55.6	1.856	2.738	12.8	20.4
6 20	19 50.08	−30 5.5	1.777	2.725	9.6	20.2
6 30	19 42.32	−30 11.7	1.720	2.711	6.0	19.9
7 10	19 33.06	−30 10.3	1.689	2.698	3.2	19.7
7 20	19 23.34	−29 58.8	1.684	2.686	4.6	19.8
7 30	19 14.36	−29 36.3	1.705	2.673	8.2	20.0
8 9	19 7.18	−29 4.3	1.750	2.662	11.8	20.2
8 19	19 2.50	−28 25.3	1.816	2.650	15.0	20.3
97979 2000 QN_{170}			7 13.0 204°.27		0°.8/13.3 18	
6 10	19 58.51	−19 10.2	1.630	2.505	14.6	19.9
6 20	19 52.33	−19 15.6	1.557	2.502	10.8	19.6
6 30	19 43.67	−19 27.0	1.506	2.499	6.5	19.4
7 10	19 33.40	−19 41.9	1.480	2.495	1.8	19.1
7 20	19 22.62	−19 57.5	1.481	2.491	3.4	19.2
7 30	19 12.63	−20 11.6	1.508	2.486	8.1	19.4
8 9	19 4.57	−20 22.8	1.559	2.480	12.3	19.7
8 19	18 59.19	−20 30.9	1.631	2.474	16.0	19.9
345328 2005 YS_{91}			7 13.0 259°.30		1°.1/13.4 18	
6 10	19 55.22	−18 2.8	1.799	2.673	13.5	21.6
6 20	19 49.80	−18 10.0	1.718	2.662	10.1	21.4
6 30	19 42.16	−18 24.1	1.659	2.651	6.1	21.1
7 10	19 33.05	−18 42.9	1.626	2.640	1.9	20.8
7 20	19 23.40	−19 4.0	1.619	2.629	3.2	20.9
7 30	19 14.36	−19 24.9	1.639	2.617	7.5	21.1
8 9	19 6.96	−19 44.0	1.683	2.606	11.5	21.3
8 19	19 1.92	−20 0.1	1.749	2.594	15.1	21.5
389212 2009 DP_{48}			7 13.1 273°.33		3°.9/14.9 18	
6 10	19 52.26	− 9 14.8	1.942	2.794	13.6	20.9
6 20	19 47.43	− 9 31.3	1.862	2.787	10.6	20.6
6 30	19 40.70	−10 2.0	1.804	2.781	7.2	20.4
7 10	19 32.70	−10 46.1	1.771	2.774	4.4	20.2
7 20	19 24.25	−11 40.7	1.765	2.767	4.4	20.2
7 30	19 16.30	−12 42.4	1.786	2.761	7.4	20.4
8 9	19 9.75	−13 46.9	1.833	2.754	10.8	20.6
8 19	19 5.24	−14 50.5	1.901	2.747	14.0	20.8
178457 1999 RS_{29}			7 13.1 258°.44		9°.2/11.2 18	
6 10	20 12.16	−45 5.4	1.784	2.625	15.1	20.0
6 20	20 2.98	−45 37.0	1.699	2.604	12.6	19.8
6 30	19 50.19	−45 51.5	1.636	2.583	10.3	19.6
7 10	19 34.98	−45 40.0	1.597	2.561	9.2	19.5
7 20	19 19.13	−44 57.1	1.584	2.538	10.0	19.5
7 30	19 4.62	−43 43.3	1.596	2.515	12.3	19.6
8 9	18 53.11	−42 5.2	1.631	2.492	15.3	19.7
8 19	18 45.46	−40 11.9	1.686	2.467	18.2	19.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
296929 2010 CT_{160}			7 13.1 85°.59		1°.4/12.6 17	
	h m	° ′			°	m
6 10	19 56.27	−24 6.8	1.840	2.719	13.0	21.4
6 20	19 50.34	−24 33.0	1.784	2.733	9.5	21.2
6 30	19 42.32	−25 0.8	1.752	2.746	5.5	21.0
7 10	19 33.05	−25 26.3	1.745	2.759	1.7	20.7
7 20	19 23.54	−25 46.6	1.765	2.773	3.4	20.9
7 30	19 14.88	−25 59.7	1.812	2.786	7.3	21.1
8 9	19 7.99	−26 5.2	1.884	2.799	10.9	21.4
8 19	19 3.46	−26 4.2	1.977	2.812	14.0	21.6
440458 2005 SW_{158}			7 13.1 337°.39		5°.5/11.2 18	
6 10	19 56.03	−35 15.2	1.858	2.736	13.0	20.5
6 20	19 50.54	−35 52.1	1.789	2.729	10.0	20.3
6 30	19 42.62	−36 22.1	1.743	2.723	7.1	20.1
7 10	19 33.15	−36 39.6	1.722	2.717	5.5	20.0
7 20	19 23.26	−36 41.1	1.726	2.712	6.6	20.0
7 30	19 14.21	−36 25.4	1.756	2.707	9.3	20.2
8 9	19 7.11	−35 54.5	1.808	2.702	12.4	20.4
8 19	19 2.65	−35 11.9	1.882	2.698	15.3	20.6
336180 2008 RU_{88}			7 13.1 220°.00		7°.4/15.6 18	
6 10	19 53.41	− 2 28.8	1.894	2.719	15.0	20.8
6 20	19 48.22	− 1 49.5	1.820	2.716	12.4	20.6
6 30	19 41.12	− 1 26.9	1.767	2.714	9.7	20.4
7 10	19 32.79	− 1 23.1	1.738	2.711	7.8	20.3
7 20	19 24.07	− 1 38.0	1.734	2.708	7.6	20.3
7 30	19 15.93	− 2 10.2	1.755	2.705	9.4	20.4
8 9	19 9.23	− 2 55.6	1.800	2.702	12.0	20.6
8 19	19 4.60	− 3 49.8	1.866	2.698	14.7	20.7
152481 Stabia			7 13.1 211°.23		0°.3/13.3 18	
6 10	19 52.74	−17 2.9	2.431	3.293	10.9	20.3
6 20	19 47.52	−18 3.9	2.351	3.291	8.0	20.1
6 30	19 40.65	−19 12.9	2.297	3.288	4.7	19.9
7 10	19 32.69	−20 26.6	2.271	3.286	1.2	19.6
7 20	19 24.32	−21 41.0	2.274	3.284	2.5	19.7
7 30	19 16.36	−22 52.2	2.306	3.281	5.9	20.0
8 9	19 9.55	−23 57.2	2.366	3.278	9.1	20.2
8 19	19 4.48	−24 54.3	2.449	3.275	11.9	20.3
296571 2009 QV_{51}			7 13.1 281°.22		3°.7/11.9 18	
6 10	19 58.01	−29 2.2	1.580	2.466	14.4	20.8
6 20	19 52.38	−29 38.4	1.500	2.450	10.8	20.5
6 30	19 43.93	−30 13.5	1.442	2.434	6.9	20.2
7 10	19 33.52	−30 41.5	1.409	2.418	3.8	20.0
7 20	19 22.39	−30 57.5	1.401	2.402	5.5	20.1
7 30	19 12.02	−30 58.9	1.418	2.386	9.6	20.3
8 9	19 3.76	−30 46.5	1.458	2.369	13.7	20.5
8 19	18 58.52	−30 23.0	1.518	2.353	17.4	20.7
522593 2016 EQ_{247}			7 13.1 123°.48		3°.0/12.1 16	
6 10	20 0.00	−26 51.2	1.497	2.382	15.1	21.9
6 20	19 53.61	−27 33.3	1.440	2.390	11.1	21.7
6 30	19 44.47	−28 15.6	1.405	2.398	6.8	21.4
7 10	19 33.61	−28 51.8	1.394	2.406	3.2	21.2
7 20	19 22.35	−29 17.2	1.410	2.413	5.0	21.4
7 30	19 12.15	−29 29.4	1.450	2.420	9.2	21.6
8 9	19 4.25	−29 29.0	1.514	2.427	13.2	21.9
8 19	18 59.37	−29 18.4	1.598	2.433	16.7	22.1
397197 2006 BL_{191}			7 13.1 297°.11		1°.7/11.9 17	
6 10	19 54.28	−21 14.9	2.114	2.987	11.9	20.5
6 20	19 49.16	−22 46.3	2.018	2.964	8.7	20.3
6 30	19 41.90	−24 27.3	1.946	2.940	5.1	20.0
7 10	19 33.05	−26 12.3	1.903	2.917	1.8	19.7
7 20	19 23.42	−27 54.8	1.889	2.894	3.7	19.8
7 30	19 14.03	−29 28.9	1.904	2.871	7.6	20.0
8 9	19 5.93	−30 50.4	1.945	2.848	11.3	20.2
8 19	18 59.95	−31 57.7	2.009	2.825	14.4	20.4
345507 2006 JT_{55}			7 13.1 36°.07		3°.7/14.9 17	
6 10	19 52.37	− 9 48.3	1.661	2.523	15.0	20.2
6 20	19 47.68	−10 15.9	1.596	2.528	11.6	20.0
6 30	19 40.89	−10 59.8	1.553	2.534	7.7	19.8
7 10	19 32.76	−11 57.7	1.535	2.540	4.3	19.6
7 20	19 24.25	−13 5.7	1.542	2.547	4.4	19.7
7 30	19 16.43	−14 18.9	1.575	2.553	7.8	19.9
8 9	19 10.27	−15 32.2	1.633	2.560	11.5	20.1
8 19	19 6.42	−16 41.6	1.713	2.567	14.9	20.3
206072 2002 RD_{23}			7 13.1 312°.86		1°.3/12.6 18	
6 10	19 54.70	−24 25.6	1.734	2.619	13.4	20.4
6 20	19 49.54	−24 40.7	1.658	2.609	9.9	20.1
6 30	19 42.07	−24 57.4	1.604	2.599	5.8	19.9
7 10	19 33.06	−25 12.3	1.576	2.590	1.8	19.6
7 20	19 23.57	−25 22.3	1.573	2.581	3.6	19.7
7 30	19 14.79	−25 25.6	1.596	2.572	7.9	19.9
8 9	19 7.78	−25 21.9	1.644	2.564	11.9	20.1
8 19	19 3.29	−25 12.1	1.712	2.556	15.4	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
302373 2002 CP_{28}			7 13.1 194.°76		0.°5/12.8 18	
	h m	° ′			°	m
6 10	19 53.08	−21 53.7	2.710	3.575	9.8	21.4
6 20	19 47.61	−22 24.4	2.631	3.573	7.1	21.2
6 30	19 40.63	−22 58.0	2.577	3.570	4.2	21.0
7 10	19 32.69	−23 31.9	2.552	3.567	1.1	20.8
7 20	19 24.45	−24 3.7	2.555	3.564	2.4	20.9
7 30	19 16.63	−24 31.4	2.588	3.560	5.5	21.1
8 9	19 9.91	−24 54.0	2.647	3.556	8.4	21.2
8 19	19 4.82	−25 11.1	2.730	3.551	10.9	21.4
67808 2000 VL_{16}			7 13.1 313.°92		1.°7/13.5 18	
6 10	19 53.31	−17 33.2	1.185	2.083	17.4	19.7
6 20	19 49.44	−17 35.7	1.106	2.062	13.1	19.4
6 30	19 42.47	−17 49.0	1.045	2.041	8.0	19.0
7 10	19 33.25	−18 11.4	1.006	2.020	2.7	18.6
7 20	19 23.07	−18 39.2	0.990	2.001	4.3	18.7
7 30	19 13.60	−19 8.7	0.997	1.982	10.0	18.9
8 9	19 6.41	−19 36.6	1.024	1.963	15.5	19.2
8 19	19 2.56	−20 0.8	1.069	1.946	20.2	19.4
136802 1997 CB_{27}			7 13.1 97.°00		4.°4/11.7 18	
6 10	20 2.44	−31 6.6	1.637	2.514	14.5	19.6
6 20	19 55.10	−31 55.1	1.593	2.537	10.8	19.4
6 30	19 45.19	−32 38.5	1.572	2.559	7.0	19.2
7 10	19 33.79	−33 10.6	1.577	2.581	4.5	19.1
7 20	19 22.22	−33 27.3	1.608	2.602	5.8	19.3
7 30	19 11.88	−33 27.6	1.664	2.623	9.2	19.5
8 9	19 3.86	−33 13.7	1.745	2.643	12.6	19.8
8 19	18 58.76	−32 49.2	1.846	2.663	15.5	20.0
139003 2001 DE_{34}			7 13.1 176.°84		3.°7/11.9 18	
6 10	20 0.79	−29 47.3	1.771	2.647	13.6	19.8
6 20	19 53.99	−30 25.9	1.704	2.649	10.1	19.6
6 30	19 44.67	−31 1.7	1.661	2.650	6.5	19.4
7 10	19 33.71	−31 29.2	1.644	2.651	3.8	19.2
7 20	19 22.33	−31 44.3	1.653	2.651	5.2	19.3
7 30	19 11.84	−31 45.3	1.689	2.651	8.8	19.6
8 9	19 3.40	−31 33.3	1.749	2.650	12.4	19.8
8 19	18 57.74	−31 11.3	1.829	2.649	15.5	20.0
118953 2000 WN_{94}			7 13.1 283.°03		4.°2/10.8 18	
6 10	19 54.59	−31 19.1	2.188	3.063	11.4	19.8
6 20	19 49.30	−32 25.1	2.110	3.052	8.6	19.6
6 30	19 41.90	−33 29.7	2.057	3.042	5.8	19.4
7 10	19 33.07	−34 27.4	2.031	3.031	4.2	19.3
7 20	19 23.70	−35 13.4	2.031	3.020	5.5	19.4
7 30	19 14.84	−35 45.0	2.059	3.009	8.2	19.5
8 9	19 7.47	−36 1.7	2.111	2.998	11.2	19.7
8 19	19 2.32	−36 5.1	2.184	2.987	13.8	19.9
170582 2003 XN_{19}			7 13.1 221.°27		10.°1/14.3 18	
6 10	19 59.35	+ 1 7.1	1.894	2.691	16.0	19.8
6 20	19 52.66	+ 2 46.8	1.814	2.682	13.7	19.6
6 30	19 43.82	+ 4 11.1	1.756	2.673	11.6	19.5
7 10	19 33.53	+ 5 14.8	1.721	2.664	10.2	19.4
7 20	19 22.71	+ 5 54.6	1.712	2.653	10.3	19.3
7 30	19 12.44	+ 6 9.4	1.728	2.642	11.9	19.4
8 9	19 3.70	+ 6 1.6	1.767	2.630	14.2	19.5
8 19	18 57.23	+ 5 35.7	1.826	2.618	16.6	19.7
222627 2001 XF_{106}			7 13.1 234.°05		0.°8/13.3 18	
6 10	19 56.01	−18 50.5	1.846	2.719	13.3	21.2
6 20	19 50.34	−19 0.3	1.767	2.711	9.9	20.9
6 30	19 42.50	−19 16.2	1.711	2.704	5.9	20.7
7 10	19 33.21	−19 35.8	1.681	2.696	1.7	20.4
7 20	19 23.45	−19 56.5	1.678	2.688	3.1	20.5
7 30	19 14.31	−20 15.9	1.701	2.679	7.3	20.7
8 9	19 6.80	−20 32.6	1.750	2.670	11.3	20.9
8 19	19 1.63	−20 45.9	1.820	2.661	14.7	21.1
513690 2012 BZ_{89}			7 13.1 197.°81		0.°1/13.0 18	
6 10	19 52.17	−20 56.6	2.876	3.739	9.3	22.6
6 20	19 46.87	−21 16.0	2.796	3.736	6.8	22.4
6 30	19 40.18	−21 38.2	2.741	3.733	4.0	22.2
7 10	19 32.63	−22 1.3	2.715	3.730	0.9	22.0
7 20	19 24.81	−22 23.4	2.717	3.726	2.2	22.1
7 30	19 17.39	−22 43.1	2.748	3.722	5.2	22.3
8 9	19 10.99	−22 59.2	2.807	3.717	7.9	22.5
8 19	19 6.09	−23 11.5	2.889	3.713	10.3	22.6
514967 2009 BC_{171}			7 13.1 265.°37		0.°6/13.4 18	
6 10	19 54.24	−17 33.4	2.079	2.946	12.2	22.2
6 20	19 48.99	−18 9.2	1.986	2.927	9.1	21.9
6 30	19 41.73	−18 53.4	1.916	2.908	5.5	21.7
7 10	19 33.05	−19 43.3	1.873	2.888	1.5	21.4
7 20	19 23.78	−20 35.3	1.858	2.868	2.8	21.4
7 30	19 14.89	−21 25.9	1.871	2.847	6.9	21.6
8 9	19 7.34	−22 12.2	1.909	2.826	10.7	21.8
8 19	19 1.85	−22 52.6	1.970	2.805	14.0	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
345991 2007 TF_{173}			7 13.1 243.°15		5.°0/14.9 17	
	h m	° ′			°	m
6 10	19 52.82	− 7 37.3	2.022	2.865	13.5	20.5
6 20	19 47.75	− 7 19.5	1.944	2.861	10.7	20.3
6 30	19 40.87	− 7 14.7	1.889	2.856	7.7	20.1
7 10	19 32.82	− 7 23.3	1.858	2.851	5.4	20.0
7 20	19 24.39	− 7 44.4	1.853	2.846	5.4	20.0
7 30	19 16.48	− 8 16.1	1.875	2.841	7.8	20.1
8 9	19 9.92	− 8 55.2	1.922	2.836	10.8	20.3
8 19	19 5.32	− 9 38.5	1.991	2.831	13.7	20.4
273335 2006 TU_{72}			7 13.1 276.°86		0.°1/13.1 18	
6 10	19 57.54	−21 27.7	1.571	2.452	14.7	21.4
6 20	19 51.97	−21 31.2	1.484	2.433	10.9	21.1
6 30	19 43.71	−21 38.9	1.418	2.413	6.5	20.8
7 10	19 33.56	−21 47.9	1.378	2.393	1.6	20.4
7 20	19 22.65	−21 55.2	1.363	2.373	3.6	20.5
7 30	19 12.39	−21 58.9	1.374	2.352	8.6	20.7
8 9	19 4.05	−21 58.2	1.408	2.332	13.2	21.0
8 19	18 58.55	−21 53.4	1.462	2.311	17.3	21.2
127559 2002 YZ_{23}			7 13.1 247.°04		0.°2/13.0 18	
6 10	19 57.31	−21 16.0	1.832	2.707	13.3	20.8
6 20	19 51.42	−21 31.7	1.747	2.693	9.8	20.5
6 30	19 43.21	−21 51.8	1.685	2.678	5.8	20.2
7 10	19 33.41	−22 13.3	1.648	2.663	1.4	19.9
7 20	19 23.02	−22 33.1	1.638	2.648	3.2	20.0
7 30	19 13.20	−22 48.8	1.656	2.632	7.7	20.2
8 9	19 5.07	−22 59.3	1.698	2.616	11.7	20.5
8 19	18 59.39	−23 4.8	1.762	2.599	15.3	20.6
220293 2003 CA_{10}			7 13.1 212.°28		3.°5/14.4 18	
6 10	19 55.55	−11 14.0	2.027	2.877	13.2	21.3
6 20	19 49.80	−11 13.2	1.945	2.871	10.2	21.1
6 30	19 42.10	−11 23.4	1.886	2.864	6.8	20.9
7 10	19 33.13	−11 43.8	1.852	2.857	3.9	20.7
7 20	19 23.70	−12 12.9	1.846	2.849	4.2	20.7
7 30	19 14.80	−12 48.1	1.868	2.840	7.3	20.9
8 9	19 7.32	−13 26.7	1.915	2.831	10.7	21.0
8 19	19 1.90	−14 6.0	1.984	2.821	13.8	21.2
318490 2005 EF_{119}			7 13.1 147.°07		3.°7/14.4 17	
6 10	19 58.04	−11 26.9	1.848	2.699	14.2	21.5
6 20	19 51.58	−11 17.6	1.783	2.709	10.9	21.3
6 30	19 43.09	−11 19.5	1.741	2.719	7.3	21.1
7 10	19 33.36	−11 31.9	1.724	2.728	4.2	20.9
7 20	19 23.32	−11 53.0	1.735	2.737	4.5	21.0
7 30	19 14.05	−12 20.5	1.773	2.744	7.6	21.2
8 9	19 6.44	−12 51.7	1.836	2.751	11.1	21.4
8 19	19 1.10	−13 24.1	1.921	2.758	14.2	21.6
343715 2011 ER_{39}			7 13.1 349.°89		13.°2/ 7.8 16	
6 10	19 55.51	−45 2.8	1.188	2.074	18.2	20.0
6 20	19 51.94	−46 53.1	1.136	2.063	15.6	19.8
6 30	19 44.29	−48 26.1	1.104	2.055	13.7	19.7
7 10	19 33.77	−49 28.8	1.091	2.047	13.2	19.6
7 20	19 22.32	−49 52.2	1.097	2.041	14.4	19.7
7 30	19 12.33	−49 34.3	1.123	2.037	16.8	19.8
8 9	19 5.76	−48 40.8	1.166	2.034	19.6	20.0
8 19	19 3.56	−47 20.8	1.224	2.033	22.2	20.1
67412 2000 QF_{36}			7 13.1 92.°05		4.°3/14.7 18	
6 10	19 55.99	−10 39.0	1.369	2.239	17.2	18.9
6 20	19 50.70	−10 46.3	1.308	2.245	13.2	18.7
6 30	19 42.84	−11 10.6	1.268	2.251	8.8	18.5
7 10	19 33.34	−11 50.3	1.251	2.257	5.0	18.3
7 20	19 23.38	−12 41.9	1.258	2.263	5.1	18.3
7 30	19 14.34	−13 40.5	1.290	2.269	9.0	18.5
8 9	19 7.37	−14 41.0	1.345	2.275	13.3	18.8
8 19	19 3.21	−15 39.0	1.421	2.280	17.1	19.1
519163 2010 NB_{105}			7 13.1 218.°83		0.°8/12.8 18	
6 10	19 54.59	−24 21.4	2.396	3.266	10.7	21.1
6 20	19 48.84	−24 20.9	2.320	3.264	7.8	21.0
6 30	19 41.42	−24 20.6	2.268	3.261	4.6	20.7
7 10	19 32.96	−24 18.4	2.244	3.259	1.3	20.5
7 20	19 24.24	−24 12.9	2.248	3.256	2.7	20.6
7 30	19 16.09	−24 3.4	2.280	3.254	6.1	20.8
8 9	19 9.27	−23 49.9	2.338	3.251	9.2	21.0
8 19	19 4.32	−23 33.2	2.420	3.248	11.9	21.2
223207 2003 BY_{47}			7 13.1 225.°84		2.°5/12.4 18	
6 10	20 0.12	−28 15.7	1.975	2.846	12.6	21.2
6 20	19 53.35	−28 30.1	1.893	2.837	9.4	21.0
6 30	19 44.27	−28 42.2	1.836	2.827	5.8	20.7
7 10	19 33.68	−28 48.2	1.805	2.816	2.7	20.5
7 20	19 22.61	−28 45.1	1.801	2.805	4.1	20.6
7 30	19 12.26	−28 32.0	1.825	2.793	7.8	20.8
8 9	19 3.68	−28 9.8	1.874	2.780	11.4	21.0
8 19	18 57.59	−27 40.8	1.945	2.767	14.6	21.2

42899 1999 RV_{193} 7 13.1 259°.03 2°.8/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 54.65	−13 52.3	1.986	2.846	13.0	18.5
6 20	19 49.25	−13 43.0	1.898	2.831	9.9	18.3
6 30	19 41.86	−13 42.4	1.832	2.816	6.4	18.1
7 10	19 33.11	−13 49.7	1.792	2.801	3.3	17.8
7 20	19 23.85	−14 3.7	1.780	2.785	3.8	17.8
7 30	19 15.08	−14 22.6	1.794	2.769	7.3	18.0
8 9	19 7.73	−14 44.4	1.833	2.752	10.9	18.2
8 19	19 2.49	−15 7.2	1.895	2.736	14.2	18.4

418175 2008 BW_{27} 7 13.1 118°.16 0°.9/13.4 17

6 10	19 58.08	−18 22.4	1.629	2.504	14.7	21.8
6 20	19 51.88	−18 37.3	1.571	2.515	10.8	21.6
6 30	19 43.37	−18 59.4	1.534	2.527	6.4	21.3
7 10	19 33.45	−19 25.5	1.523	2.538	1.9	21.1
7 20	19 23.21	−19 52.4	1.538	2.548	3.3	21.2
7 30	19 13.88	−20 17.5	1.580	2.558	7.7	21.5
8 9	19 6.48	−20 38.9	1.646	2.568	11.8	21.7
8 19	19 1.67	−20 56.0	1.734	2.578	15.2	22.0

154574 2003 HM_{44} 7 13.1 148°.98 2°.8/14.3 18

6 10	19 55.77	−12 41.2	2.061	2.914	12.9	20.8
6 20	19 49.81	−12 47.1	1.993	2.923	9.8	20.6
6 30	19 42.03	−13 2.7	1.949	2.931	6.3	20.4
7 10	19 33.13	−13 26.9	1.931	2.938	3.3	20.2
7 20	19 23.93	−13 57.3	1.940	2.945	3.6	20.2
7 30	19 15.36	−14 31.5	1.977	2.951	6.8	20.4
8 9	19 8.25	−15 7.0	2.040	2.957	10.1	20.7
8 19	19 3.16	−15 41.7	2.126	2.962	13.1	20.9

149550 2003 KH_{2} 7 13.1 33°.94 1°.5/13.9 18

6 10	19 51.74	−15 2.8	2.161	3.026	12.0	20.0
6 20	19 46.91	−15 35.5	2.089	3.027	8.9	19.8
6 30	19 40.37	−16 17.3	2.040	3.029	5.5	19.6
7 10	19 32.74	−17 5.7	2.018	3.031	2.1	19.4
7 20	19 24.76	−17 57.6	2.023	3.032	2.8	19.4
7 30	19 17.30	−18 49.8	2.057	3.034	6.3	19.7
8 9	19 11.14	−19 39.3	2.116	3.036	9.6	19.9
8 19	19 6.83	−20 24.2	2.198	3.038	12.5	20.1

367309 2007 WA_{62} 7 13.1 332°.18 0°.7/13.2 18

6 10	19 52.01	−20 30.1	1.033	1.944	18.2	20.0
6 20	19 48.77	−20 23.2	0.963	1.926	13.6	19.6
6 30	19 42.21	−20 23.3	0.910	1.909	8.2	19.3
7 10	19 33.29	−20 27.8	0.878	1.894	2.2	18.9
7 20	19 23.47	−20 33.7	0.868	1.879	4.4	18.9
7 30	19 14.60	−20 38.2	0.879	1.866	10.5	19.2
8 9	19 8.32	−20 39.9	0.909	1.855	16.2	19.5
8 19	19 5.66	−20 38.2	0.956	1.845	21.1	19.8

281876 2010 FP_{35} 7 13.1 221°.10 3°.2/14.7 18

6 10	19 55.02	−10 6.6	2.277	3.119	12.2	21.8
6 20	19 49.30	−10 25.4	2.187	3.108	9.5	21.6
6 30	19 41.81	−10 56.2	2.121	3.097	6.4	21.4
7 10	19 33.11	−11 37.6	2.081	3.085	3.7	21.2
7 20	19 23.94	−12 27.5	2.070	3.072	3.8	21.2
7 30	19 15.17	−13 22.7	2.087	3.059	6.7	21.3
8 9	19 7.62	−14 20.0	2.131	3.044	9.9	21.5
8 19	19 1.90	−15 16.4	2.198	3.030	12.8	21.7

361926 2008 GU_{132} 7 13.1 357°.69 7°.6/16.9 18

6 10	19 49.72	+ 0 51.2	2.093	2.903	14.3	20.4
6 20	19 45.43	+ 1 13.5	2.021	2.902	12.0	20.3
6 30	19 39.51	+ 1 17.3	1.968	2.901	9.7	20.1
7 10	19 32.54	+ 1 1.1	1.939	2.900	8.0	20.0
7 20	19 25.25	+ 0 25.5	1.935	2.900	7.7	20.0
7 30	19 18.46	− 0 27.2	1.956	2.900	9.0	20.1
8 9	19 12.90	− 1 32.7	2.001	2.900	11.1	20.2
8 19	19 9.13	− 2 46.1	2.068	2.901	13.5	20.4

262776 2006 YA_{12} 7 13.1 184°.69 0°.1/13.1 18

6 10	19 57.54	−20 49.3	1.916	2.787	13.0	21.5
6 20	19 51.36	−21 5.1	1.844	2.788	9.5	21.3
6 30	19 43.06	−21 25.1	1.794	2.788	5.6	21.0
7 10	19 33.40	−21 46.4	1.772	2.787	1.3	20.8
7 20	19 23.35	−22 6.2	1.776	2.786	3.0	20.9
7 30	19 13.98	−22 22.3	1.808	2.784	7.2	21.1
8 9	19 6.27	−22 33.9	1.865	2.782	10.9	21.4
8 19	19 0.88	−22 40.8	1.945	2.779	14.2	21.6

42789 1998 XP_{74} 7 13.1 282°.98 1°.5/12.7 18

6 10	19 57.86	−25 8.8	1.579	2.464	14.5	18.5
6 20	19 52.18	−25 15.8	1.498	2.449	10.7	18.2
6 30	19 43.81	−25 23.2	1.439	2.434	6.4	17.9
7 10	19 33.63	−25 27.4	1.405	2.419	2.0	17.6
7 20	19 22.80	−25 25.4	1.396	2.405	4.0	17.7
7 30	19 12.74	−25 15.5	1.413	2.390	8.7	17.9
8 9	19 4.71	−24 58.4	1.454	2.375	13.1	18.2
8 19	18 59.53	−24 35.7	1.515	2.360	16.9	18.4

112199 2002 JV_{113} 7 13.1 51°.90 3°.9/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 1.21	−29 28.3	1.153	2.051	17.7	19.6
6 20	19 54.82	−29 48.3	1.115	2.070	13.1	19.4
6 30	19 45.25	−30 3.5	1.096	2.090	8.1	19.2
7 10	19 33.90	−30 7.9	1.100	2.111	4.2	19.0
7 20	19 22.46	−29 58.0	1.128	2.132	5.8	19.2
7 30	19 12.68	−29 34.0	1.179	2.153	10.3	19.5
8 9	19 5.81	−28 59.3	1.251	2.174	14.6	19.8
8 19	19 2.42	−28 17.9	1.342	2.196	18.2	20.1

504808 2010 CP_{125} 7 13.1 185°.14 5°.0/15.7 18

6 10	19 53.64	− 4 29.6	2.368	3.188	12.5	22.2
6 20	19 48.12	− 4 32.0	2.288	3.188	10.0	22.1
6 30	19 41.02	− 4 48.7	2.232	3.187	7.5	21.9
7 10	19 32.91	− 5 19.3	2.201	3.186	5.4	21.8
7 20	19 24.46	− 6 2.6	2.198	3.185	5.3	21.8
7 30	19 16.47	− 6 55.9	2.223	3.183	7.1	21.9
8 9	19 9.64	− 7 55.7	2.274	3.180	9.7	22.0
8 19	19 4.53	− 8 58.4	2.349	3.177	12.2	22.2

398511 2011 UF_{248} 7 13.1 87°.49 3°.7/14.4 18

6 10	19 52.76	−11 11.4	2.180	3.032	12.4	21.2
6 20	19 47.56	−10 48.1	2.108	3.033	9.5	21.1
6 30	19 40.70	−10 34.0	2.059	3.035	6.5	20.9
7 10	19 32.83	−10 29.1	2.036	3.037	4.1	20.7
7 20	19 24.68	−10 32.9	2.039	3.038	4.3	20.7
7 30	19 17.08	−10 44.1	2.070	3.040	6.9	20.9
8 9	19 10.78	−11 0.7	2.127	3.042	9.8	21.1
8 19	19 6.31	−11 20.7	2.206	3.043	12.6	21.3

351204 2004 FB_{136} 7 13.1 135°.89 0°.9/13.6 18

6 10	19 53.44	−17 2.4	2.366	3.228	11.1	21.0
6 20	19 47.99	−17 31.0	2.298	3.237	8.2	20.8
6 30	19 40.93	−18 6.1	2.255	3.245	4.9	20.6
7 10	19 32.88	−18 45.1	2.238	3.252	1.6	20.4
7 20	19 24.56	−19 25.5	2.251	3.260	2.5	20.5
7 30	19 16.77	−20 4.8	2.291	3.267	5.8	20.7
8 9	19 10.23	−20 40.8	2.358	3.274	9.0	20.9
8 19	19 5.46	−21 12.6	2.449	3.281	11.7	21.1

511234 2014 BV_{12} 7 13.1 274°.29 2°.0/12.6 18

6 10	19 58.56	−27 9.1	1.810	2.688	13.3	21.5
6 20	19 52.43	−27 11.8	1.724	2.671	9.9	21.3
6 30	19 43.85	−27 12.6	1.662	2.655	6.0	21.0
7 10	19 33.63	−27 7.9	1.625	2.638	2.3	20.7
7 20	19 22.85	−26 55.3	1.615	2.621	3.9	20.8
7 30	19 12.77	−26 34.0	1.631	2.604	8.1	21.0
8 9	19 4.54	−26 5.1	1.672	2.587	12.1	21.2
8 19	18 58.92	−25 30.8	1.735	2.570	15.6	21.4

24516 2001 BB_{66} 7 13.1 292°.13 1°.8/13.8 18

6 10	19 53.21	−15 20.6	1.768	2.640	13.8	18.1
6 20	19 48.47	−15 40.3	1.683	2.625	10.4	17.9
6 30	19 41.53	−16 10.7	1.620	2.610	6.5	17.6
7 10	19 33.08	−16 49.6	1.582	2.595	2.5	17.3
7 20	19 24.04	−17 33.9	1.571	2.580	3.4	17.4
7 30	19 15.50	−18 20.0	1.585	2.565	7.6	17.6
8 9	19 8.52	−19 4.7	1.624	2.550	11.7	17.8
8 19	19 3.86	−19 45.5	1.685	2.535	15.3	18.0

388881 2008 RJ_{67} 7 13.1 239°.65 2°.3/12.1 18

6 10	19 57.24	−26 43.9	2.128	3.000	11.8	21.9
6 20	19 51.21	−27 20.7	2.042	2.986	8.7	21.7
6 30	19 43.05	−27 58.1	1.981	2.972	5.3	21.5
7 10	19 33.44	−28 32.0	1.946	2.957	2.5	21.3
7 20	19 23.29	−28 58.6	1.939	2.942	3.9	21.3
7 30	19 13.66	−29 15.6	1.960	2.926	7.5	21.5
8 9	19 5.55	−29 22.5	2.006	2.910	10.9	21.7
8 19	18 59.67	−29 20.5	2.075	2.894	13.9	21.9

56710 2000 MN_{2} 7 13.1 9°.25 0°.8/12.8 18

6 10	19 53.84	−21 27.8	1.331	2.228	15.9	18.5
6 20	19 49.36	−22 0.6	1.272	2.228	11.7	18.3
6 30	19 42.18	−22 40.0	1.233	2.230	6.8	18.0
7 10	19 33.24	−23 21.3	1.217	2.232	1.7	17.7
7 20	19 23.81	−23 59.5	1.225	2.235	3.9	17.8
7 30	19 15.33	−24 30.7	1.258	2.239	8.9	18.2
8 9	19 9.04	−24 53.1	1.313	2.243	13.5	18.4
8 19	19 5.71	−25 6.6	1.387	2.248	17.3	18.7

133250 Rubik 7 13.1 334°.30 1°.3/13.6 18

6 10	19 52.93	−17 15.6	1.567	2.450	14.7	20.0
6 20	19 48.41	−17 32.1	1.494	2.443	10.9	19.8
6 30	19 41.53	−17 58.0	1.443	2.437	6.6	19.5
7 10	19 33.09	−18 30.8	1.417	2.431	2.2	19.2
7 20	19 24.13	−19 6.9	1.415	2.425	3.4	19.3
7 30	19 15.87	−19 42.8	1.439	2.420	8.0	19.6
8 9	19 9.40	−20 15.9	1.486	2.416	12.3	19.8
8 19	19 5.48	−20 44.4	1.554	2.412	16.0	20.0

44177 1998 KX_{31} 7 13.1 84°.90 1°.8/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 58.15	−16 38.6	1.448	2.325	16.0	18.7
6 20	19 52.06	−16 46.7	1.397	2.343	11.8	18.5
6 30	19 43.52	−17 4.2	1.368	2.360	7.2	18.3
7 10	19 33.53	−17 28.2	1.363	2.377	2.6	18.0
7 20	19 23.30	−17 55.6	1.384	2.393	3.7	18.1
7 30	19 14.13	−18 23.2	1.430	2.410	8.2	18.5
8 9	19 7.08	−18 48.7	1.500	2.426	12.4	18.7
8 19	19 2.79	−19 10.8	1.590	2.442	15.9	19.0

474119 2016 LT_{50} 7 13.1 3°.47 8°.9/14.8 17

6 10	19 52.84	− 5 18.2	1.349	2.209	18.0	19.8
6 20	19 48.39	− 3 57.4	1.288	2.208	14.8	19.6
6 30	19 41.51	− 2 54.3	1.247	2.208	11.5	19.4
7 10	19 33.08	− 2 12.8	1.227	2.209	9.2	19.3
7 20	19 24.22	− 1 55.2	1.230	2.210	9.3	19.3
7 30	19 16.21	− 2 0.7	1.255	2.213	11.6	19.4
8 9	19 10.16	− 2 25.3	1.301	2.216	14.7	19.6
8 19	19 6.78	− 3 3.4	1.366	2.221	17.9	19.8

92253 2000 AH_{189} 7 13.1 253°.37 4°.1/15.1 18

6 10	19 51.24	− 6 28.3	2.912	3.735	10.4	21.0
6 20	19 46.24	− 6 19.5	2.811	3.714	8.3	20.9
6 30	19 39.91	− 6 20.6	2.735	3.693	6.1	20.7
7 10	19 32.67	− 6 31.9	2.684	3.672	4.4	20.6
7 20	19 25.09	− 6 52.9	2.662	3.650	4.4	20.5
7 30	19 17.77	− 7 22.2	2.669	3.628	6.1	20.6
8 9	19 11.32	− 7 57.9	2.702	3.605	8.5	20.7
8 19	19 6.23	− 8 37.6	2.759	3.582	10.8	20.9

442026 2010 OZ_{119} 7 13.1 318°.11 9°.4/ 8.9 18

6 10	19 59.85	−46 17.3	1.986	2.834	13.5	20.6
6 20	19 53.80	−47 24.4	1.918	2.821	11.5	20.5
6 30	19 44.83	−48 17.7	1.872	2.807	10.0	20.3
7 10	19 33.91	−48 49.7	1.849	2.795	9.4	20.3
7 20	19 22.36	−48 55.5	1.850	2.782	10.2	20.3
7 30	19 11.77	−48 33.9	1.875	2.770	12.0	20.4
8 9	19 3.48	−47 48.4	1.920	2.758	14.2	20.5
8 19	18 58.32	−46 44.3	1.985	2.747	16.4	20.7

320325 2007 TC_{47} 7 13.1 190°.36 3°.9/14.6 17

6 10	19 53.65	− 9 54.9	2.276	3.119	12.2	20.9
6 20	19 48.19	− 9 38.4	2.198	3.118	9.5	20.7
6 30	19 41.09	− 9 31.8	2.145	3.117	6.6	20.5
7 10	19 32.96	− 9 35.1	2.117	3.115	4.3	20.4
7 20	19 24.51	− 9 47.6	2.117	3.114	4.4	20.4
7 30	19 16.57	−10 7.6	2.144	3.111	6.8	20.5
8 9	19 9.88	−10 33.0	2.197	3.109	9.7	20.7
8 19	19 4.97	−11 1.6	2.273	3.106	12.4	20.9

503365 2016 CH_{9} 7 13.1 62°.43 3°.7/14.5 17

6 10	19 56.17	−11 48.6	1.190	2.072	18.5	20.6
6 20	19 51.07	−12 6.7	1.139	2.083	14.0	20.4
6 30	19 43.17	−12 42.9	1.106	2.094	9.1	20.1
7 10	19 33.50	−13 34.5	1.096	2.106	4.5	19.9
7 20	19 23.41	−14 36.3	1.109	2.117	4.9	20.0
7 30	19 14.43	−15 42.2	1.147	2.129	9.4	20.3
8 9	19 7.80	−16 46.6	1.206	2.141	14.0	20.6
8 19	19 4.26	−17 45.5	1.285	2.153	18.0	20.8

216569 2002 AO_{170} 7 13.1 295°.79 0°.5/12.9 18

6 10	19 52.66	−20 20.5	2.046	2.921	12.1	19.8
6 20	19 47.87	−21 7.5	1.962	2.909	8.9	19.6
6 30	19 41.11	−22 1.2	1.902	2.897	5.2	19.3
7 10	19 33.01	−22 58.0	1.869	2.884	1.3	19.0
7 20	19 24.38	−23 53.8	1.863	2.872	3.0	19.1
7 30	19 16.21	−24 44.8	1.885	2.860	6.9	19.4
8 9	19 9.42	−25 28.5	1.931	2.848	10.6	19.6
8 19	19 4.72	−26 3.9	2.001	2.836	13.8	19.8

314576 2005 YR_{215} 7 13.1 160°.88 0°.9/13.4 18

6 10	19 56.46	−20 3.0	2.785	3.640	9.9	21.1
6 20	19 49.90	−19 31.7	2.709	3.644	7.3	20.9
6 30	19 41.93	−19 1.6	2.659	3.648	4.3	20.7
7 10	19 33.15	−18 32.4	2.638	3.651	1.4	20.5
7 20	19 24.20	−18 3.8	2.646	3.655	2.3	20.6
7 30	19 15.81	−17 36.0	2.685	3.657	5.3	20.8
8 9	19 8.59	−17 9.3	2.751	3.660	8.1	21.0
8 19	19 2.99	−16 44.1	2.842	3.662	10.5	21.2

232107 2001 XP_{224} 7 13.1 212°.76 6°.6/ 9.3 18

6 10	20 1.34	−37 12.5	2.128	2.989	12.2	22.0
6 20	19 54.59	−38 48.7	2.056	2.982	9.7	21.8
6 30	19 45.24	−40 19.4	2.010	2.975	7.5	21.6
7 10	19 34.04	−41 37.0	1.990	2.967	6.6	21.6
7 20	19 22.07	−42 35.2	1.997	2.958	7.8	21.6
7 30	19 10.67	−43 10.7	2.030	2.949	10.1	21.7
8 9	19 1.09	−43 24.4	2.088	2.939	12.7	21.9
8 19	18 54.21	−43 19.7	2.165	2.929	15.1	22.0

137036 1998 UC_{18} 7 13.1 215°.88 2°.1/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 57.74	−16 9.3	2.008	2.868	12.9	20.9
6 20	19 51.46	−15 56.1	1.925	2.860	9.7	20.6
6 30	19 43.14	−15 49.2	1.865	2.852	6.1	20.4
7 10	19 33.49	−15 47.5	1.832	2.843	2.7	20.2
7 20	19 23.40	−15 49.9	1.827	2.834	3.4	20.2
7 30	19 13.88	−15 55.1	1.849	2.824	7.1	20.4
8 9	19 5.89	−16 1.9	1.897	2.813	10.8	20.6
8 19	19 0.08	−16 9.3	1.967	2.801	14.0	20.8

67480 2000 RP_{11} 7 13.1 304°.54 2°.6/12.1 18

6 10	19 55.39	−23 32.7	1.296	2.193	16.2	18.2
6 20	19 50.95	−24 37.6	1.221	2.179	12.0	18.0
6 30	19 43.42	−25 50.8	1.167	2.164	7.2	17.6
7 10	19 33.65	−27 5.1	1.137	2.150	2.9	17.3
7 20	19 22.94	−28 12.5	1.130	2.137	5.2	17.4
7 30	19 12.97	−29 6.8	1.148	2.123	10.3	17.7
8 9	19 5.29	−29 45.0	1.186	2.110	15.2	17.9
8 19	19 0.94	−30 7.7	1.244	2.097	19.4	18.2

244838 2003 UF_{102} 7 13.1 260°.71 5°.0/10.9 18

6 10	20 0.25	−30 26.6	1.696	2.575	14.0	20.9
6 20	19 54.22	−31 40.9	1.609	2.554	10.6	20.6
6 30	19 45.24	−32 56.0	1.546	2.532	7.1	20.4
7 10	19 34.09	−34 3.9	1.507	2.510	5.0	20.2
7 20	19 21.94	−34 57.6	1.495	2.487	6.6	20.3
7 30	19 10.32	−35 32.1	1.509	2.464	10.3	20.4
8 9	19 0.70	−35 47.1	1.547	2.440	14.2	20.6
8 19	18 54.12	−35 45.2	1.603	2.415	17.7	20.8

287649 2003 KF_{15} 7 13.1 120°.86 0°.1/13.2 18

6 10	19 52.66	−18 51.7	2.317	3.185	11.1	20.7
6 20	19 47.53	−19 32.6	2.247	3.189	8.2	20.5
6 30	19 40.74	−20 19.3	2.201	3.193	4.8	20.3
7 10	19 32.90	−21 9.0	2.182	3.197	1.2	20.1
7 20	19 24.74	−21 58.3	2.192	3.201	2.5	20.2
7 30	19 17.08	−22 44.4	2.229	3.205	6.0	20.4
8 9	19 10.68	−23 25.1	2.293	3.209	9.2	20.6
8 19	19 6.08	−23 59.5	2.381	3.213	12.0	20.8

400750 2009 VR_{63} 7 13.1 279°.08 3°.4/14.4 17

6 10	19 50.95	−10 44.8	2.610	3.455	10.8	21.3
6 20	19 46.12	−10 23.2	2.523	3.444	8.4	21.1
6 30	19 39.86	−10 9.6	2.459	3.432	5.8	20.9
7 10	19 32.69	−10 3.9	2.422	3.421	3.7	20.7
7 20	19 25.21	−10 5.9	2.412	3.409	3.9	20.7
7 30	19 18.12	−10 14.6	2.431	3.398	6.1	20.9
8 9	19 12.04	−10 28.6	2.475	3.387	8.8	21.0
8 19	19 7.49	−10 46.1	2.543	3.375	11.3	21.2

164792 Owen 7 13.1 68°.10 5°.1/11.6 17

6 10	20 0.11	−30 11.9	1.284	2.178	16.6	19.8
6 20	19 54.17	−31 12.1	1.235	2.187	12.4	19.6
6 30	19 45.07	−32 9.2	1.206	2.197	8.0	19.4
7 10	19 33.98	−32 54.9	1.201	2.207	5.2	19.2
7 20	19 22.46	−33 22.9	1.220	2.217	6.8	19.4
7 30	19 12.24	−33 31.0	1.262	2.227	10.8	19.6
8 9	19 4.72	−33 21.2	1.327	2.238	14.8	19.9
8 19	19 0.64	−32 57.7	1.409	2.248	18.3	20.1

72469 2001 DW_{27} 7 13.1 76°.12 0°.1/13.1 18 R

6 10	19 54.89	−20 16.1	1.796	2.674	13.4	19.6
6 20	19 49.53	−20 39.7	1.731	2.678	9.8	19.4
6 30	19 42.06	−21 8.7	1.688	2.682	5.7	19.1
7 10	19 33.24	−21 39.9	1.671	2.686	1.4	18.8
7 20	19 24.06	−22 10.1	1.681	2.690	3.0	19.0
7 30	19 15.61	−22 36.5	1.717	2.695	7.3	19.3
8 9	19 8.85	−22 57.6	1.778	2.699	11.1	19.5
8 19	19 4.42	−23 13.0	1.860	2.703	14.3	19.7

160708 2000 QF_{20} 7 13.1 288°.90 3°.8/12.2 18

6 10	19 59.74	−28 51.5	1.373	2.264	15.9	19.0
6 20	19 54.20	−29 17.2	1.288	2.241	12.0	18.7
6 30	19 45.38	−29 41.2	1.224	2.217	7.6	18.4
7 10	19 34.16	−29 57.5	1.183	2.194	4.0	18.1
7 20	19 21.94	−30 0.5	1.166	2.170	5.8	18.2
7 30	19 10.50	−29 47.7	1.174	2.146	10.6	18.4
8 9	19 1.47	−29 20.6	1.203	2.123	15.4	18.6
8 19	18 55.91	−28 42.8	1.251	2.099	19.6	18.8

338759 2003 UZ_{197} 7 13.1 248°.19 3°.0/11.9 18

6 10	19 56.34	−28 0.1	1.955	2.833	12.4	20.6
6 20	19 50.69	−28 42.2	1.879	2.826	9.2	20.3
6 30	19 42.81	−29 24.0	1.828	2.819	5.7	20.1
7 10	19 33.45	−30 0.9	1.802	2.812	3.1	19.9
7 20	19 23.60	−30 28.6	1.804	2.804	4.5	20.0
7 30	19 14.40	−30 44.8	1.832	2.797	8.0	20.2
8 9	19 6.87	−30 49.4	1.884	2.789	11.4	20.4
8 19	19 1.73	−30 43.9	1.958	2.782	14.5	20.6

426616 2013 SH_{53} 7 13.1 338°.22 4°.8/15.4 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 47.63	− 6 31.1	2.260	3.102	12.3	20.6
6 20	19 43.94	− 6 23.3	2.172	3.087	9.8	20.4
6 30	19 38.70	− 6 28.5	2.107	3.072	7.2	20.2
7 10	19 32.45	− 6 47.0	2.067	3.057	5.2	20.0
7 20	19 25.83	− 7 18.0	2.052	3.044	5.1	20.0
7 30	19 19.58	− 7 59.4	2.064	3.031	7.1	20.1
8 9	19 14.44	− 8 48.1	2.101	3.018	9.8	20.3
8 19	19 10.93	− 9 40.7	2.160	3.007	12.5	20.4

161297 2003 KG_{33} 7 13.1 7°.45 1°.4/13.6 18

6 10	19 51.23	−17 4.5	1.732	2.612	13.7	19.6
6 20	19 46.90	−17 17.8	1.666	2.613	10.1	19.3
6 30	19 40.54	−17 39.5	1.623	2.615	6.1	19.1
7 10	19 32.90	−18 7.2	1.604	2.618	2.1	18.9
7 20	19 24.89	−18 38.1	1.611	2.621	3.1	18.9
7 30	19 17.57	−19 9.2	1.644	2.625	7.2	19.2
8 9	19 11.86	−19 38.3	1.701	2.629	11.0	19.4
8 19	19 8.39	−20 3.7	1.779	2.634	14.4	19.7

316040 2009 HX 7 13.1 69°.50 1°.6/13.6 17

6 10	19 58.11	−17 14.5	1.308	2.193	16.9	20.9
6 20	19 52.25	−17 22.4	1.261	2.210	12.5	20.7
6 30	19 43.75	−17 39.9	1.234	2.227	7.5	20.4
7 10	19 33.68	−18 3.9	1.230	2.244	2.5	20.2
7 20	19 23.37	−18 30.8	1.252	2.262	3.8	20.3
7 30	19 14.23	−18 57.4	1.298	2.279	8.7	20.6
8 9	19 7.40	−19 21.2	1.366	2.296	13.1	20.9
8 19	19 3.51	−19 41.2	1.455	2.314	16.8	21.2

441333 2008 CB_{120} 7 13.1 159°.72 2°.1/12.5 18

6 10	19 56.51	−27 59.2	2.279	3.150	11.2	21.6
6 20	19 50.38	−28 8.1	2.209	3.152	8.2	21.4
6 30	19 42.42	−28 14.7	2.163	3.154	5.0	21.2
7 10	19 33.36	−28 16.5	2.144	3.156	2.2	21.0
7 20	19 24.03	−28 11.3	2.154	3.158	3.5	21.1
7 30	19 15.39	−27 58.6	2.191	3.159	6.6	21.3
8 9	19 8.24	−27 39.1	2.254	3.160	9.7	21.5
8 19	19 3.13	−27 14.3	2.339	3.162	12.5	21.7

509208 2006 SC_{50} 7 13.1 316°.70 2°.4/12.5 17

6 10	19 54.42	−25 12.5	1.199	2.103	16.8	20.6
6 20	19 50.53	−25 38.5	1.117	2.077	12.5	20.3
6 30	19 43.36	−26 8.1	1.054	2.052	7.6	19.9
7 10	19 33.73	−26 35.7	1.014	2.028	2.8	19.6
7 20	19 23.03	−26 55.8	0.996	2.004	5.1	19.6
7 30	19 13.05	−27 4.4	1.000	1.981	10.7	19.9
8 9	19 5.50	−27 0.7	1.025	1.959	16.0	20.1
8 19	19 1.52	−26 46.5	1.068	1.938	20.7	20.3

321059 2008 RE_{134} 7 13.1 242°.17 1°.0/13.6 18

6 10	19 55.14	−16 53.1	2.061	2.926	12.4	21.0
6 20	19 49.66	−17 21.2	1.974	2.913	9.3	20.8
6 30	19 42.19	−17 57.5	1.910	2.900	5.6	20.6
7 10	19 33.35	−18 39.6	1.872	2.886	1.8	20.3
7 20	19 23.97	−19 24.3	1.862	2.872	2.9	20.3
7 30	19 15.04	−20 8.4	1.880	2.857	6.8	20.6
8 9	19 7.50	−20 49.2	1.924	2.842	10.5	20.8
8 19	19 2.03	−21 25.3	1.991	2.827	13.8	20.9

483109 2015 MM_{118} 7 13.1 327°.54 1°.0/12.7 18

6 10	19 51.99	−21 21.0	1.795	2.679	13.1	20.5
6 20	19 47.64	−22 10.6	1.716	2.668	9.6	20.2
6 30	19 41.12	−23 7.0	1.661	2.656	5.6	20.0
7 10	19 33.10	−24 6.0	1.630	2.645	1.5	19.7
7 20	19 24.52	−25 2.7	1.626	2.635	3.4	19.8
7 30	19 16.47	−25 53.0	1.649	2.625	7.7	20.0
8 9	19 10.01	−26 34.3	1.695	2.616	11.6	20.2
8 19	19 5.88	−27 5.8	1.763	2.607	15.0	20.4

300844 2007 XT_{54} 7 13.1 325°.80 1°.8/12.4 18

6 10	19 53.10	−23 46.2	1.642	2.531	13.8	20.2
6 20	19 48.66	−24 30.2	1.566	2.519	10.2	19.9
6 30	19 41.80	−25 18.8	1.512	2.508	6.0	19.7
7 10	19 33.29	−26 7.2	1.482	2.496	2.1	19.4
7 20	19 24.17	−26 50.6	1.479	2.486	4.0	19.5
7 30	19 15.69	−27 25.1	1.500	2.476	8.4	19.7
8 9	19 9.00	−27 49.0	1.546	2.466	12.5	19.9
8 19	19 4.91	−28 2.6	1.611	2.457	16.0	20.2

261174 2005 TX_{114} 7 13.1 245°.67 4°.1/14.9 18

6 10	19 51.91	− 8 32.9	2.423	3.261	11.7	21.3
6 20	19 46.93	− 8 19.6	2.337	3.252	9.2	21.1
6 30	19 40.42	− 8 16.7	2.275	3.243	6.6	20.9
7 10	19 32.91	− 8 24.4	2.239	3.234	4.5	20.8
7 20	19 25.05	− 8 41.8	2.230	3.224	4.5	20.8
7 30	19 17.59	− 9 7.5	2.249	3.215	6.7	20.9
8 9	19 11.24	− 9 39.2	2.293	3.205	9.4	21.1
8 19	19 6.53	−10 14.3	2.361	3.194	12.0	21.2

371405 2006 RN_{84} 7 13.1 263°.78 0°.5/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 57.38	−19 32.1	1.654	2.531	14.4	21.8
6 20	19 51.79	−19 43.2	1.567	2.514	10.7	21.6
6 30	19 43.67	−20 0.7	1.503	2.496	6.4	21.3
7 10	19 33.76	−20 22.0	1.463	2.478	1.7	20.9
7 20	19 23.13	−20 43.9	1.449	2.459	3.4	21.0
7 30	19 13.09	−21 3.7	1.462	2.440	8.2	21.2
8 9	19 4.84	−21 19.6	1.498	2.421	12.7	21.4
8 19	18 59.25	−21 31.3	1.556	2.402	16.5	21.6

345948 2007 RA_{319} 7 13.1 312°.86 0°.1/13.2 18

6 10	19 52.91	−19 34.1	1.594	2.480	14.3	20.7
6 20	19 48.60	−20 2.8	1.509	2.460	10.6	20.4
6 30	19 41.83	−20 39.9	1.445	2.441	6.3	20.1
7 10	19 33.32	−21 22.1	1.406	2.421	1.6	19.8
7 20	19 24.09	−22 5.2	1.392	2.403	3.4	19.9
7 30	19 15.40	−22 45.1	1.404	2.384	8.2	20.1
8 9	19 8.46	−23 19.1	1.439	2.367	12.7	20.3
8 19	19 4.13	−23 46.0	1.494	2.349	16.6	20.5

268413 2005 UG_{314} 7 13.1 204°.68 6°.4/14.6 18

6 10	19 56.72	− 7 23.9	1.772	2.615	15.1	20.0
6 20	19 50.84	− 6 27.7	1.699	2.613	12.1	19.8
6 30	19 42.85	− 5 44.1	1.648	2.611	9.0	19.6
7 10	19 33.52	− 5 15.2	1.621	2.609	6.7	19.4
7 20	19 23.77	− 5 1.9	1.620	2.606	6.8	19.4
7 30	19 14.70	− 5 3.5	1.645	2.604	9.2	19.6
8 9	19 7.25	− 5 17.6	1.693	2.601	12.4	19.8
8 19	19 2.10	− 5 41.0	1.763	2.597	15.4	20.0

512351 2016 NK_{18} 7 13.1 309°.07 1°.5/13.8 18

6 10	19 52.78	−14 36.9	1.475	2.356	15.6	20.7
6 20	19 48.71	−15 28.1	1.386	2.333	11.8	20.4
6 30	19 42.03	−16 36.4	1.318	2.310	7.3	20.0
7 10	19 33.40	−17 58.4	1.274	2.288	2.5	19.7
7 20	19 23.86	−19 28.2	1.256	2.266	3.6	19.7
7 30	19 14.76	−20 58.7	1.263	2.245	8.7	20.0
8 9	19 7.43	−22 23.7	1.293	2.224	13.6	20.2
8 19	19 2.87	−23 39.0	1.343	2.203	17.8	20.4

237385 1996 EV_{15} 7 13.1 208°.16 2°.0/13.8 16

6 10	19 55.04	−16 19.8	1.946	2.812	13.0	20.5
6 20	19 49.50	−16 8.6	1.872	2.811	9.7	20.2
6 30	19 42.02	−16 4.1	1.822	2.810	6.1	20.0
7 10	19 33.30	−16 5.2	1.797	2.809	2.6	19.8
7 20	19 24.24	−16 10.5	1.800	2.807	3.3	19.8
7 30	19 15.81	−16 18.6	1.829	2.806	7.0	20.1
8 9	19 8.91	−16 28.0	1.884	2.804	10.6	20.3
8 19	19 4.14	−16 37.6	1.960	2.803	13.7	20.5

513281 2006 WO_{84} 7 13.1 269°.99 5°.8/15.3 18

6 10	19 52.25	− 4 52.1	2.239	3.067	12.9	21.8
6 20	19 47.35	− 4 25.6	2.148	3.050	10.5	21.6
6 30	19 40.75	− 4 12.2	2.079	3.034	8.0	21.5
7 10	19 33.01	− 4 13.0	2.036	3.017	6.1	21.3
7 20	19 24.83	− 4 27.9	2.018	3.001	6.0	21.3
7 30	19 17.04	− 4 55.7	2.027	2.984	7.9	21.4
8 9	19 10.40	− 5 33.6	2.061	2.966	10.6	21.5
8 19	19 5.53	− 6 18.3	2.118	2.949	13.3	21.6

1929 Kollaa 7 13.1 148°.10 3°.7/11.7 18

6 10	19 59.43	−27 58.4	1.621	2.504	14.3	16.5
6 20	19 53.27	−28 58.2	1.560	2.508	10.6	16.2
6 30	19 44.47	−29 58.1	1.522	2.513	6.6	16.0
7 10	19 33.93	−30 51.3	1.508	2.517	3.8	15.8
7 20	19 22.90	−31 32.2	1.521	2.520	5.4	16.0
7 30	19 12.76	−31 57.8	1.560	2.524	9.2	16.2
8 9	19 4.74	−32 8.1	1.622	2.527	12.9	16.4
8 19	18 59.61	−32 5.6	1.704	2.530	16.2	16.6

203528 2002 BV_{19} 7 13.1 102°.82 3°.0/14.2 17

6 10	19 56.34	−13 14.8	1.388	2.263	16.7	20.1
6 20	19 51.07	−13 29.1	1.325	2.267	12.6	19.8
6 30	19 43.20	−13 57.8	1.282	2.270	8.1	19.6
7 10	19 33.63	−14 38.8	1.262	2.273	3.8	19.3
7 20	19 23.56	−15 28.0	1.268	2.276	4.3	19.4
7 30	19 14.37	−16 20.8	1.298	2.279	8.8	19.7
8 9	19 7.25	−17 12.7	1.352	2.282	13.2	19.9
8 19	19 2.96	−18 0.8	1.426	2.285	17.0	20.2

398729 2012 XL_{124} 7 13.1 102°.71 0°.6/12.8 17

6 10	19 54.91	−20 45.9	2.300	3.168	11.2	21.1
6 20	19 49.15	−21 39.2	2.242	3.185	8.1	20.9
6 30	19 41.70	−22 36.8	2.210	3.202	4.7	20.8
7 10	19 33.22	−23 34.9	2.204	3.219	1.2	20.5
7 20	19 24.49	−24 29.8	2.228	3.236	2.7	20.7
7 30	19 16.35	−25 18.5	2.280	3.252	6.1	20.9
8 9	19 9.56	−25 59.4	2.358	3.268	9.2	21.2
8 19	19 4.66	−26 32.0	2.460	3.284	11.9	21.4

511298 2014 DF_{70} 7 13.1 6.°60 0.°4/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 51.97	−20 55.4	1.586	2.475	14.2	20.8
6 20	19 47.69	−21 23.8	1.523	2.476	10.4	20.5
6 30	19 41.14	−21 58.2	1.481	2.477	6.1	20.3
7 10	19 33.14	−22 34.8	1.464	2.480	1.5	20.0
7 20	19 24.72	−23 9.8	1.473	2.483	3.3	20.1
7 30	19 17.08	−23 39.9	1.507	2.487	7.8	20.4
8 9	19 11.25	−24 3.2	1.564	2.491	11.9	20.7
8 19	19 7.90	−24 19.4	1.642	2.497	15.4	20.9

256483 2007 DJ_{110} 7 13.1 196.°30 3.°7/15.0 18

6 10	19 51.28	− 8 23.6	2.644	3.479	10.9	21.4
6 20	19 46.35	− 8 21.7	2.564	3.478	8.6	21.2
6 30	19 40.03	− 8 30.0	2.508	3.476	6.1	21.1
7 10	19 32.84	− 8 48.1	2.478	3.473	4.0	20.9
7 20	19 25.37	− 9 14.8	2.476	3.471	4.0	20.9
7 30	19 18.30	− 9 48.5	2.502	3.468	6.0	21.1
8 9	19 12.25	−10 26.6	2.554	3.465	8.6	21.2
8 19	19 7.69	−11 7.0	2.631	3.462	11.0	21.4

227249 2005 SU_{54} 7 13.1 335.°99 1.°7/13.6 17

6 10	19 51.37	−17 45.8	1.181	2.082	17.2	20.8
6 20	19 47.98	−17 44.7	1.108	2.066	12.9	20.5
6 30	19 41.68	−17 53.9	1.055	2.052	7.9	20.1
7 10	19 33.33	−18 11.5	1.024	2.038	2.7	19.8
7 20	19 24.23	−18 34.3	1.015	2.026	4.1	19.8
7 30	19 15.94	−18 58.8	1.029	2.015	9.6	20.1
8 9	19 9.89	−19 22.1	1.063	2.005	14.8	20.4
8 19	19 7.02	−19 42.1	1.116	1.997	19.2	20.6

395844 2012 XU_{135} 7 13.1 189.°51 1.°2/13.7 18

6 10	19 53.42	−16 11.4	2.395	3.254	11.1	20.7
6 20	19 48.08	−16 37.2	2.317	3.253	8.3	20.6
6 30	19 41.12	−17 10.2	2.264	3.252	5.0	20.4
7 10	19 33.11	−17 48.2	2.237	3.251	1.8	20.1
7 20	19 24.77	−18 28.6	2.240	3.249	2.5	20.2
7 30	19 16.89	−19 8.9	2.270	3.247	5.9	20.4
8 9	19 10.20	−19 47.0	2.328	3.244	9.0	20.6
8 19	19 5.26	−20 21.3	2.409	3.242	11.8	20.8

68994 2002 TK_{91} 7 13.1 290.°72 5.°1/14.2 18

6 10	19 55.70	−11 22.0	1.524	2.390	15.9	19.0
6 20	19 50.72	−10 45.1	1.431	2.365	12.5	18.7
6 30	19 43.15	−10 19.3	1.360	2.340	8.7	18.4
7 10	19 33.70	−10 6.0	1.312	2.314	5.6	18.2
7 20	19 23.40	−10 5.6	1.288	2.289	5.9	18.1
7 30	19 13.60	−10 16.9	1.289	2.263	9.6	18.3
8 9	19 5.55	−10 37.6	1.313	2.238	14.0	18.4
8 19	19 0.19	−11 4.6	1.357	2.212	18.0	18.6

437170 2012 VT_{58} 7 13.1 307.°35 1.°1/12.7 17

6 10	19 54.86	−22 59.4	1.812	2.693	13.1	21.5
6 20	19 49.65	−23 28.3	1.740	2.689	9.6	21.3
6 30	19 42.25	−24 0.7	1.690	2.685	5.6	21.0
7 10	19 33.42	−24 32.9	1.667	2.682	1.6	20.8
7 20	19 24.13	−25 1.3	1.670	2.678	3.4	20.9
7 30	19 15.52	−25 23.2	1.699	2.675	7.5	21.1
8 9	19 8.59	−25 37.6	1.753	2.672	11.4	21.4
8 19	19 4.04	−25 44.7	1.828	2.669	14.7	21.6

347333 2012 BV_{19} 7 13.1 211.°66 7.°1/18.0 18

6 10	19 50.82	+ 6 15.9	2.976	3.730	11.7	21.3
6 20	19 45.90	+ 6 22.3	2.889	3.723	10.2	21.2
6 30	19 39.74	+ 6 12.2	2.824	3.716	8.6	21.1
7 10	19 32.78	+ 5 44.6	2.782	3.709	7.4	21.0
7 20	19 25.54	+ 4 59.8	2.767	3.702	7.1	21.0
7 30	19 18.61	+ 3 59.7	2.778	3.694	7.8	21.0
8 9	19 12.56	+ 2 47.4	2.815	3.685	9.3	21.1
8 19	19 7.83	+ 1 26.9	2.876	3.676	10.9	21.2

75022 1999 UP_8 7 13.1 245.°08 1.°4/12.7 18

6 10	19 58.97	−23 52.7	1.799	2.674	13.5	20.4
6 20	19 52.85	−24 18.0	1.713	2.659	10.0	20.1
6 30	19 44.26	−24 46.0	1.650	2.643	5.9	19.9
7 10	19 33.94	−25 12.9	1.613	2.627	1.8	19.6
7 20	19 22.96	−25 34.8	1.602	2.610	3.7	19.7
7 30	19 12.58	−25 49.0	1.619	2.593	8.1	19.9
8 9	19 3.96	−25 54.9	1.660	2.574	12.2	20.1
8 19	18 57.94	−25 53.3	1.723	2.556	15.7	20.3

500824 2013 GU_{126} 7 13.1 320.°64 7.°5/10.2 17

6 10	19 58.00	−32 37.8	1.201	2.101	17.1	20.2
6 20	19 53.34	−34 15.9	1.140	2.092	13.2	20.0
6 30	19 45.08	−35 52.2	1.098	2.084	9.4	19.7
7 10	19 34.22	−37 15.2	1.079	2.077	7.5	19.6
7 20	19 22.38	−38 14.7	1.083	2.070	9.3	19.7
7 30	19 11.60	−38 45.4	1.109	2.063	13.1	19.9
8 9	19 3.65	−38 48.7	1.155	2.057	17.2	20.1
8 19	18 59.62	−38 29.6	1.217	2.051	20.9	20.3

121788 2000 AN_{101} 7 13.1 225.°16 1.°3/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 53.18	−24 21.6	2.840	3.706	9.4	20.7
6 20	19 47.82	−25 3.0	2.755	3.697	6.9	20.6
6 30	19 40.96	−25 46.2	2.695	3.687	4.1	20.4
7 10	19 33.11	−26 28.4	2.664	3.677	1.5	20.2
7 20	19 24.88	−27 6.9	2.662	3.667	2.7	20.2
7 30	19 17.01	−27 39.4	2.689	3.656	5.6	20.4
8 9	19 10.18	−28 4.8	2.742	3.645	8.4	20.6
8 19	19 4.92	−28 23.1	2.820	3.634	10.8	20.7

393282 2013 YS_3 7 13.1 157.°47 1.°4/12.4 18

6 10	19 56.68	−22 27.4	2.000	2.872	12.4	20.8
6 20	19 50.83	−23 28.7	1.932	2.877	9.1	20.6
6 30	19 42.89	−24 34.6	1.888	2.881	5.3	20.4
7 10	19 33.59	−25 40.4	1.871	2.885	1.8	20.2
7 20	19 23.85	−26 41.1	1.882	2.889	3.5	20.3
7 30	19 14.72	−27 33.0	1.921	2.892	7.3	20.6
8 9	19 7.16	−28 14.2	1.986	2.894	10.8	20.8
8 19	19 1.84	−28 44.8	2.073	2.897	13.8	21.0

4215 Kamo 7 13.2 117.°96 2.°8/13.9 18

6 10	19 57.47	−15 17.4	1.608	2.478	15.1	16.4
6 20	19 51.55	−15 0.5	1.544	2.484	11.3	16.2
6 30	19 43.33	−14 52.4	1.503	2.490	7.2	16.0
7 10	19 33.69	−14 52.1	1.486	2.496	3.4	15.8
7 20	19 23.71	−14 58.2	1.494	2.501	4.0	15.8
7 30	19 14.58	−15 8.7	1.529	2.507	8.0	16.1
8 9	19 7.34	−15 21.8	1.588	2.512	12.0	16.3
8 19	19 2.63	−15 35.9	1.668	2.517	15.5	16.6

17893 Arlot 7 13.2 348.°17 5.°3/11.9 18

6 10	19 54.67	−30 24.8	1.019	1.931	18.2	17.0
6 20	19 50.97	−31 1.4	0.960	1.923	13.8	16.7
6 30	19 43.65	−31 34.3	0.920	1.916	9.0	16.4
7 10	19 33.86	−31 55.4	0.901	1.909	5.5	16.2
7 20	19 23.33	−31 58.5	0.902	1.905	7.3	16.3
7 30	19 14.10	−31 41.5	0.925	1.901	12.0	16.6
8 9	19 7.86	−31 7.0	0.967	1.899	16.9	16.8
8 19	19 5.51	−30 20.1	1.025	1.898	21.1	17.1

70145 1999 NW_{20} 7 13.2 13.°89 2.°0/12.4 18

6 10	19 55.73	−22 33.4	1.237	2.136	16.7	18.4
6 20	19 51.08	−23 31.5	1.179	2.137	12.3	18.1
6 30	19 43.43	−24 37.0	1.141	2.138	7.2	17.9
7 10	19 33.77	−25 42.9	1.126	2.141	2.4	17.6
7 20	19 23.50	−26 42.1	1.135	2.143	4.7	17.7
7 30	19 14.25	−27 29.0	1.168	2.146	9.8	18.0
8 9	19 7.40	−28 1.8	1.222	2.150	14.5	18.3
8 19	19 3.81	−28 21.0	1.295	2.154	18.5	18.6

336812 2011 DN_{21} 7 13.2 71.°81 7.°2/11.7 18

6 10	20 4.22	−39 23.2	1.614	2.482	15.1	20.3
6 20	19 56.78	−39 54.8	1.565	2.494	11.9	20.1
6 30	19 46.44	−40 13.1	1.537	2.507	8.9	19.9
7 10	19 34.43	−40 11.9	1.534	2.519	7.3	19.9
7 20	19 22.27	−39 47.9	1.555	2.532	8.1	19.9
7 30	19 11.53	−39 2.3	1.601	2.544	10.7	20.1
8 9	19 3.43	−38 0.1	1.670	2.556	13.7	20.3
8 19	18 58.56	−36 47.4	1.759	2.569	16.4	20.6

246218 2007 RE_{176} 7 13.2 248.°24 2.°7/12.2 17

6 10	19 56.58	−27 52.9	1.924	2.803	12.6	20.5
6 20	19 50.85	−28 20.6	1.854	2.801	9.3	20.3
6 30	19 42.93	−28 47.3	1.807	2.798	5.7	20.1
7 10	19 33.61	−29 8.6	1.785	2.796	2.8	19.9
7 20	19 23.89	−29 21.4	1.791	2.794	4.2	20.0
7 30	19 14.89	−29 24.1	1.823	2.792	7.7	20.2
8 9	19 7.62	−29 16.8	1.880	2.789	11.2	20.4
8 19	19 2.73	−29 1.4	1.958	2.787	14.3	20.6

258882 2002 QL_{46} 7 13.2 309.°17 1.°9/12.4 17

6 10	19 54.33	−22 36.7	1.287	2.185	16.2	20.3
6 20	19 50.37	−23 27.7	1.201	2.159	12.1	20.0
6 30	19 43.28	−24 28.1	1.136	2.133	7.2	19.7
7 10	19 33.83	−25 32.2	1.093	2.108	2.4	19.3
7 20	19 23.25	−26 32.8	1.074	2.083	4.8	19.4
7 30	19 13.21	−27 23.5	1.079	2.058	10.3	19.6
8 9	19 5.36	−28 0.8	1.105	2.034	15.6	19.8
8 19	19 0.86	−28 24.4	1.149	2.011	20.1	20.0

509486 2007 TS_{246} 7 13.2 218.°21 0.°7/12.8 18

6 10	19 55.26	−22 43.9	2.587	3.451	10.2	22.8
6 20	19 49.43	−23 8.8	2.500	3.441	7.5	22.6
6 30	19 41.95	−23 36.0	2.439	3.431	4.4	22.4
7 10	19 33.38	−24 3.0	2.406	3.421	1.2	22.1
7 20	19 24.42	−24 27.3	2.402	3.410	2.6	22.2
7 30	19 15.88	−24 47.1	2.426	3.398	5.9	22.4
8 9	19 8.52	−25 1.5	2.478	3.386	8.9	22.6
8 19	19 2.90	−25 10.4	2.553	3.373	11.6	22.8

132649 2002 LH_{51} 7 13.2 243°.15 2°.6/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 55.98	−25 12.6	1.890	2.769	12.8	19.6
6 20	19 50.56	−26 18.7	1.816	2.764	9.4	19.4
6 30	19 42.88	−27 28.2	1.766	2.759	5.7	19.2
7 10	19 33.65	−28 35.6	1.742	2.753	2.7	19.0
7 20	19 23.85	−29 35.4	1.746	2.748	4.3	19.1
7 30	19 14.63	−30 23.7	1.776	2.743	8.1	19.3
8 9	19 7.06	−30 58.9	1.831	2.737	11.7	19.5
8 19	19 1.90	−31 21.4	1.907	2.731	14.8	19.7

142673 2002 TY_{219} 7 13.2 251°.00 5°.0/14.4 18

6 10	19 56.56	−10 28.1	1.674	2.531	15.2	20.4
6 20	19 51.00	− 9 52.9	1.594	2.521	11.9	20.1
6 30	19 43.13	− 9 29.2	1.535	2.511	8.3	19.9
7 10	19 33.72	− 9 18.0	1.500	2.500	5.4	19.7
7 20	19 23.76	− 9 19.3	1.491	2.489	5.7	19.7
7 30	19 14.42	− 9 31.7	1.508	2.478	8.9	19.9
8 9	19 6.76	− 9 52.7	1.548	2.467	12.6	20.1
8 19	19 1.56	−10 19.4	1.610	2.455	16.1	20.3

53497 2000 AV_{76} 7 13.2 123°.97 0°.9/13.5 17

6 10	19 57.93	−18 0.0	1.268	2.156	17.1	18.8
6 20	19 52.55	−18 22.5	1.206	2.157	12.7	18.5
6 30	19 44.25	−18 55.5	1.164	2.159	7.6	18.2
7 10	19 34.01	−19 35.1	1.145	2.160	2.2	17.9
7 20	19 23.18	−20 16.5	1.150	2.161	3.8	18.0
7 30	19 13.34	−20 55.2	1.180	2.162	9.2	18.3
8 9	19 5.85	−21 28.4	1.232	2.163	14.1	18.6
8 19	19 1.53	−21 54.8	1.303	2.164	18.2	18.9

481184 2005 UO_{323} 7 13.2 237°.18 3°.3/14.4 18

6 10	19 52.67	−11 25.4	2.488	3.334	11.2	21.7
6 20	19 47.48	−11 5.3	2.405	3.327	8.6	21.5
6 30	19 40.78	−10 53.2	2.345	3.320	5.9	21.3
7 10	19 33.11	−10 49.0	2.311	3.312	3.7	21.2
7 20	19 25.13	−10 52.1	2.306	3.305	3.8	21.2
7 30	19 17.58	−11 1.6	2.328	3.297	6.3	21.3
8 9	19 11.14	−11 15.9	2.376	3.289	9.1	21.5
8 19	19 6.33	−11 33.3	2.448	3.281	11.6	21.6

250484 2004 ED_{31} 7 13.2 246°.49 18°.8/20.9 18 R

6 10	19 56.65	+16 25.7	1.274	2.024	24.6	20.7
6 20	19 51.80	+17 41.8	1.203	2.012	22.8	20.5
6 30	19 43.98	+18 19.0	1.145	2.000	20.9	20.3
7 10	19 34.01	+18 7.6	1.102	1.988	19.4	20.2
7 20	19 23.09	+17 2.3	1.076	1.975	18.8	20.1
7 30	19 12.79	+15 4.4	1.069	1.961	19.3	20.1
8 9	19 4.59	+12 23.2	1.079	1.947	20.8	20.1
8 19	18 59.52	+ 9 13.3	1.107	1.932	23.1	20.2

105684 2000 SV_{48} 7 13.2 226°.03 1°.1/13.4 17

6 10	19 59.51	−19 38.1	1.557	2.433	15.1	20.4
6 20	19 53.34	−19 27.3	1.482	2.428	11.2	20.2
6 30	19 44.57	−19 21.3	1.429	2.422	6.8	19.9
7 10	19 34.08	−19 18.2	1.401	2.415	2.0	19.6
7 20	19 23.06	−19 16.0	1.399	2.409	3.5	19.7
7 30	19 12.85	−19 13.3	1.423	2.402	8.3	19.9
8 9	19 4.66	−19 9.6	1.470	2.394	12.8	20.2
8 19	18 59.26	−19 4.8	1.539	2.386	16.6	20.4

303907 2005 TW_{162} 7 13.2 115°.48 5°.9/16.2 18

6 10	19 52.12	− 1 26.0	2.663	3.465	11.8	21.1
6 20	19 46.86	− 0 58.6	2.599	3.479	9.7	21.0
6 30	19 40.30	− 0 44.5	2.559	3.494	7.7	20.9
7 10	19 32.98	− 0 44.4	2.544	3.508	6.2	20.8
7 20	19 25.48	− 0 58.0	2.555	3.522	6.0	20.8
7 30	19 18.46	− 1 23.8	2.594	3.535	7.2	20.9
8 9	19 12.49	− 1 59.2	2.659	3.549	9.1	21.1
8 19	19 7.99	− 2 41.1	2.746	3.561	11.0	21.2

169235 2001 SO_{35} 7 13.2 259°.35 0°.5/13.4 18

6 10	19 53.65	−19 0.7	2.116	2.986	11.9	20.3
6 20	19 48.51	−19 18.5	2.037	2.980	8.8	20.1
6 30	19 41.52	−19 42.0	1.981	2.973	5.2	19.9
7 10	19 33.32	−20 8.7	1.952	2.967	1.4	19.6
7 20	19 24.71	−20 36.2	1.950	2.960	2.7	19.7
7 30	19 16.63	−21 2.1	1.976	2.953	6.5	19.9
8 9	19 9.91	−21 24.8	2.027	2.947	10.0	20.1
8 19	19 5.18	−21 43.3	2.101	2.940	13.1	20.3

119437 2001 TZ_{136} 7 13.2 328°.72 0°.4/12.9 18

6 10	19 50.01	−18 25.0	1.160	2.064	17.1	19.3
6 20	19 47.28	−19 24.8	1.079	2.040	12.8	19.0
6 30	19 41.51	−20 41.5	1.018	2.017	7.6	18.6
7 10	19 33.44	−22 9.9	0.978	1.994	1.9	18.2
7 20	19 24.28	−23 41.9	0.962	1.973	4.3	18.3
7 30	19 15.70	−25 8.6	0.968	1.953	10.3	18.5
8 9	19 9.35	−26 23.4	0.995	1.934	15.8	18.8
8 19	19 6.37	−27 22.8	1.039	1.917	20.5	19.0

136157 2003 TQ_{39} 7 13.2 22°.23 3°.1/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 57.88	−27 57.1	1.076	1.982	18.1	19.5
6 20	19 52.84	−28 2.9	1.028	1.988	13.4	19.2
6 30	19 44.46	−28 5.7	0.998	1.995	8.1	19.0
7 10	19 34.05	−28 0.4	0.990	2.003	3.5	18.7
7 20	19 23.29	−27 43.6	1.004	2.012	5.3	18.9
7 30	19 14.02	−27 15.4	1.041	2.022	10.4	19.2
8 9	19 7.61	−26 38.3	1.099	2.032	15.2	19.5
8 19	19 4.77	−25 55.9	1.174	2.044	19.3	19.8

57138 2001 PU_{25} 7 13.2 276°.64 0°.5/12.9 18

6 10	19 55.76	−20 23.8	1.626	2.508	14.3	19.4
6 20	19 50.68	−21 3.1	1.545	2.495	10.6	19.1
6 30	19 43.10	−21 50.2	1.486	2.481	6.3	18.8
7 10	19 33.76	−22 40.9	1.453	2.468	1.5	18.5
7 20	19 23.72	−23 30.5	1.445	2.455	3.5	18.6
7 30	19 14.27	−24 14.7	1.463	2.441	8.3	18.8
8 9	19 6.63	−24 50.7	1.505	2.428	12.6	19.1
8 19	19 1.63	−25 18.0	1.568	2.414	16.4	19.3

497224 2005 AN_{15} 7 13.2 167°.00 0°.8/13.1 17

6 10	20 7.27	−26 8.5	1.850	2.712	13.8	22.1
6 20	19 58.47	−25 34.5	1.778	2.717	10.1	21.9
6 30	19 47.29	−24 56.6	1.731	2.722	6.0	21.6
7 10	19 34.70	−24 12.9	1.711	2.726	1.6	21.4
7 20	19 21.90	−23 23.1	1.720	2.729	3.3	21.5
7 30	19 10.18	−22 28.8	1.758	2.731	7.6	21.8
8 9	19 0.58	−21 32.9	1.823	2.733	11.5	22.0
8 19	18 53.71	−20 38.0	1.911	2.733	14.8	22.2

243992 2001 RB_{132} 7 13.2 300°.48 4°.1/14.5 17

6 10	19 54.24	−12 4.5	1.220	2.103	18.0	20.4
6 20	19 50.15	−12 8.2	1.139	2.084	13.9	20.1
6 30	19 43.08	−12 29.6	1.078	2.066	9.3	19.8
7 10	19 33.81	−13 8.3	1.038	2.047	4.9	19.5
7 20	19 23.56	−14 1.0	1.021	2.029	5.3	19.4
7 30	19 13.94	−15 2.8	1.027	2.011	10.1	19.6
8 9	19 6.46	−16 7.5	1.055	1.993	15.3	19.9
8 19	19 2.19	−17 10.2	1.101	1.976	19.9	20.1

437496 2013 YQ_{68} 7 13.2 144°.03 0°.2/13.3 18

6 10	19 54.97	−19 34.0	1.933	2.806	12.8	21.3
6 20	19 49.57	−19 57.3	1.864	2.808	9.4	21.1
6 30	19 42.16	−20 26.4	1.817	2.810	5.5	20.9
7 10	19 33.48	−20 58.2	1.797	2.812	1.4	20.6
7 20	19 24.43	−21 29.8	1.804	2.814	2.8	20.7
7 30	19 16.02	−21 58.4	1.839	2.816	6.9	21.0
8 9	19 9.17	−22 22.4	1.898	2.818	10.6	21.2
8 19	19 4.50	−22 41.2	1.979	2.820	13.7	21.4

164042 2003 UO_{269} 7 13.2 335°.74 2°.6/13.9 17

6 10	19 54.06	−15 26.5	1.676	2.549	14.4	19.7
6 20	19 49.12	−15 11.9	1.603	2.545	10.8	19.4
6 30	19 42.00	−15 5.7	1.552	2.541	6.9	19.2
7 10	19 33.45	−15 7.2	1.526	2.537	3.2	19.0
7 20	19 24.48	−15 14.9	1.526	2.533	3.9	19.0
7 30	19 16.19	−15 27.1	1.551	2.530	7.8	19.2
8 9	19 9.60	−15 41.7	1.600	2.527	11.7	19.4
8 19	19 5.39	−15 57.1	1.670	2.524	15.2	19.7

494460 2016 VA_{11} 7 13.2 296°.30 4°.2/11.1 18

6 10	19 55.14	−30 59.1	2.029	2.907	12.0	20.9
6 20	19 49.95	−31 59.8	1.953	2.896	9.1	20.7
6 30	19 42.54	−32 58.9	1.900	2.886	6.1	20.5
7 10	19 33.61	−33 51.0	1.873	2.875	4.3	20.3
7 20	19 24.12	−34 31.2	1.873	2.864	5.5	20.4
7 30	19 15.20	−34 56.8	1.899	2.854	8.5	20.6
8 9	19 7.89	−35 7.3	1.950	2.844	11.7	20.7
8 19	19 2.93	−35 4.7	2.021	2.833	14.5	20.9

5253 Fredclifford 7 13.2 135°.44 12°.8/ 6.3 18

6 10	20 16.24	−44 26.7	1.432	2.283	17.6	17.9
6 20	20 7.48	−47 37.9	1.397	2.299	15.0	17.8
6 30	19 53.87	−50 31.8	1.385	2.315	13.2	17.7
7 10	19 36.55	−52 50.8	1.397	2.329	12.9	17.7
7 20	19 17.73	−54 23.1	1.434	2.343	14.3	17.8
7 30	19 0.30	−55 6.6	1.493	2.355	16.4	18.0
8 9	18 46.73	−55 8.8	1.571	2.367	18.7	18.2
8 19	18 38.34	−54 41.4	1.664	2.377	20.8	18.4

465026 2006 KH_{45} 7 13.2 66°.98 3°.3/12.1 17

6 10	19 59.21	−25 56.7	1.266	2.160	16.7	21.4
6 20	19 53.51	−26 54.3	1.217	2.173	12.2	21.1
6 30	19 44.79	−27 53.6	1.190	2.185	7.4	20.9
7 10	19 34.17	−28 47.2	1.186	2.198	3.5	20.7
7 20	19 23.14	−29 28.7	1.206	2.210	5.4	20.9
7 30	19 13.34	−29 54.5	1.250	2.223	10.0	21.2
8 9	19 6.11	−30 4.9	1.316	2.236	14.3	21.5
8 19	19 2.17	−30 2.5	1.401	2.249	17.9	21.7

346080 2007 UJ_{130} 7 13.2 315.°78 2.°3/13.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 53.69	−15 16.4	1.834	2.704	13.5	21.1
6 20	19 48.72	−15 12.1	1.759	2.699	10.2	20.8
6 30	19 41.73	−15 16.3	1.706	2.694	6.4	20.6
7 10	19 33.42	−15 27.8	1.679	2.690	2.9	20.4
7 20	19 24.69	−15 44.8	1.677	2.685	3.5	20.4
7 30	19 16.57	−16 5.3	1.702	2.681	7.3	20.6
8 9	19 9.99	−16 27.0	1.752	2.677	11.0	20.8
8 19	19 5.62	−16 48.3	1.824	2.673	14.3	21.0

316239 2010 OP_{25} 7 13.2 229.°67 5.°3/15.8 18

6 10	19 51.19	− 2 39.5	2.822	3.628	11.1	21.7
6 20	19 46.29	− 2 19.5	2.733	3.619	9.1	21.6
6 30	19 40.06	− 2 11.6	2.667	3.608	7.1	21.4
7 10	19 32.99	− 2 16.3	2.627	3.598	5.6	21.3
7 20	19 25.60	− 2 33.5	2.614	3.587	5.5	21.3
7 30	19 18.55	− 3 2.0	2.629	3.576	6.8	21.4
8 9	19 12.41	− 3 39.4	2.669	3.564	8.9	21.5
8 19	19 7.65	− 4 23.0	2.734	3.552	11.0	21.6

289287 2004 YS_2 7 13.2 92.°29 1.°0/13.5 17

6 10	19 56.41	−18 54.0	1.842	2.714	13.4	20.6
6 20	19 50.56	−18 52.5	1.781	2.724	9.8	20.4
6 30	19 42.70	−18 56.2	1.743	2.735	5.9	20.2
7 10	19 33.63	−19 3.2	1.731	2.746	1.8	19.9
7 20	19 24.30	−19 11.4	1.746	2.756	3.0	20.0
7 30	19 15.77	−19 19.3	1.788	2.766	7.0	20.3
8 9	19 8.91	−19 25.9	1.855	2.777	10.7	20.5
8 19	19 4.32	−19 30.6	1.944	2.787	13.8	20.8

374842 2006 UC_{272} 7 13.2 273.°04 0.°5/13.3 18

6 10	19 57.20	−19 34.8	1.623	2.501	14.5	22.1
6 20	19 51.80	−19 46.4	1.534	2.481	10.8	21.8
6 30	19 43.81	−20 4.8	1.468	2.461	6.5	21.5
7 10	19 33.99	−20 27.0	1.426	2.441	1.7	21.1
7 20	19 23.39	−20 50.0	1.410	2.420	3.4	21.2
7 30	19 13.35	−21 10.8	1.420	2.399	8.3	21.4
8 9	19 5.11	−21 27.7	1.454	2.378	12.9	21.7
8 19	18 59.57	−21 40.0	1.509	2.357	16.8	21.9

339373 2005 AZ_{59} 7 13.2 1.°39 0.°4/13.4 17

6 10	19 53.46	−17 0.3	1.641	2.520	14.3	20.2
6 20	19 48.83	−17 57.1	1.572	2.520	10.6	20.0
6 30	19 41.92	−19 5.4	1.526	2.519	6.3	19.7
7 10	19 33.49	−20 20.6	1.504	2.519	1.7	19.4
7 20	19 24.53	−21 37.0	1.509	2.520	3.2	19.5
7 30	19 16.23	−22 49.2	1.541	2.520	7.7	19.8
8 9	19 9.65	−23 53.2	1.596	2.522	11.9	20.0
8 19	19 5.52	−24 46.9	1.673	2.523	15.4	20.3

262739 2006 XU_{46} 7 13.2 141.°66 0.°1/13.2 18

6 10	19 54.62	−21 35.2	2.309	3.178	11.1	20.3
6 20	19 49.01	−21 39.4	2.239	3.182	8.1	20.1
6 30	19 41.72	−21 46.0	2.193	3.185	4.8	19.9
7 10	19 33.40	−21 53.0	2.173	3.189	1.2	19.7
7 20	19 24.82	−21 58.8	2.182	3.192	2.5	19.8
7 30	19 16.82	−22 2.1	2.219	3.195	6.0	20.0
8 9	19 10.17	−22 2.4	2.282	3.198	9.2	20.2
8 19	19 5.38	−21 59.7	2.368	3.201	12.0	20.4

202858 2008 TW_{117} 7 13.2 149.°52 0.°1/13.1 18 R

6 10	19 56.57	−21 19.2	2.109	2.978	12.0	20.8
6 20	19 50.56	−21 31.9	2.041	2.984	8.8	20.6
6 30	19 42.68	−21 47.7	1.998	2.990	5.2	20.4
7 10	19 33.64	−22 4.2	1.980	2.996	1.3	20.1
7 20	19 24.31	−22 19.0	1.991	3.001	2.7	20.3
7 30	19 15.65	−22 30.4	2.030	3.006	6.5	20.5
8 9	19 8.48	−22 37.7	2.094	3.010	9.9	20.7
8 19	19 3.39	−22 41.0	2.181	3.014	12.9	20.9

379334 2009 WX_{75} 7 13.2 178.°11 4.°4/14.7 18

6 10	19 55.88	− 9 32.4	2.049	2.893	13.3	21.7
6 20	19 50.06	− 9 11.0	1.975	2.894	10.4	21.5
6 30	19 42.41	− 9 0.7	1.924	2.895	7.3	21.4
7 10	19 33.60	− 9 1.6	1.898	2.896	4.8	21.2
7 20	19 24.44	− 9 13.1	1.900	2.896	4.9	21.2
7 30	19 15.86	− 9 33.3	1.928	2.896	7.5	21.4
8 9	19 8.70	− 9 59.9	1.982	2.895	10.6	21.6
8 19	19 3.54	−10 30.3	2.059	2.894	13.5	21.8

429643 2011 FQ_{144} 7 13.2 24.°31 8.°4/11.4 16

6 10	20 0.61	−39 26.9	1.336	2.220	16.7	20.6
6 20	19 54.74	−40 11.8	1.290	2.227	13.3	20.4
6 30	19 45.55	−40 42.6	1.263	2.235	10.1	20.2
7 10	19 34.38	−40 51.2	1.258	2.244	8.5	20.1
7 20	19 22.91	−40 33.6	1.277	2.254	9.4	20.2
7 30	19 12.97	−39 50.4	1.318	2.265	12.2	20.4
8 9	19 5.93	−38 47.3	1.380	2.276	15.4	20.6
8 19	19 2.44	−37 31.4	1.461	2.288	18.4	20.9

85650 1998 QH_6 7 13.2 335.°08 8.°1/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 50.27	+ 0 57.6	2.103	2.910	14.3	19.2
6 20	19 45.99	+ 1 39.5	2.026	2.904	12.1	19.1
6 30	19 40.05	+ 2 4.1	1.970	2.897	10.0	18.9
7 10	19 33.03	+ 2 9.0	1.936	2.891	8.4	18.8
7 20	19 25.64	+ 1 53.9	1.927	2.886	8.2	18.8
7 30	19 18.71	+ 1 20.1	1.943	2.880	9.4	18.9
8 9	19 13.00	+ 0 31.1	1.982	2.876	11.5	19.0
8 19	19 9.08	− 0 28.4	2.043	2.871	13.8	19.1

246960 1999 TS_{20} 7 13.2 302.°90 3.°8/14.4 18

6 10	19 52.56	−11 34.5	2.127	2.981	12.5	19.7
6 20	19 47.67	−11 8.6	2.044	2.971	9.7	19.5
6 30	19 41.04	−10 51.5	1.984	2.961	6.6	19.2
7 10	19 33.27	−10 43.6	1.950	2.952	4.1	19.1
7 20	19 25.13	−10 44.4	1.942	2.942	4.4	19.1
7 30	19 17.46	−10 52.9	1.961	2.932	7.1	19.2
8 9	19 11.07	−11 7.3	2.005	2.923	10.2	19.4
8 19	19 6.56	−11 25.5	2.072	2.914	13.1	19.6

510953 2013 FS_{21} 7 13.2 107.°04 0.°6/13.5 18

6 10	19 52.86	−18 52.7	2.497	3.362	10.6	21.8
6 20	19 47.60	−19 6.6	2.432	3.371	7.7	21.6
6 30	19 40.85	−19 24.9	2.390	3.381	4.6	21.4
7 10	19 33.20	−19 45.6	2.376	3.391	1.3	21.2
7 20	19 25.34	−20 6.9	2.391	3.400	2.3	21.3
7 30	19 18.00	−20 26.9	2.433	3.410	5.5	21.5
8 9	19 11.85	−20 44.6	2.502	3.419	8.5	21.7
8 19	19 7.36	−20 59.2	2.595	3.428	11.1	21.9

8548 Sumizihara 7 13.2 143.°32 1.°8/14.0 18

6 10	19 56.41	−14 36.5	2.286	3.138	11.8	18.4
6 20	19 50.26	−14 56.0	2.220	3.151	8.8	18.2
6 30	19 42.44	−15 23.5	2.178	3.163	5.5	18.0
7 10	19 33.60	−15 56.8	2.163	3.174	2.3	17.8
7 20	19 24.50	−16 33.5	2.177	3.185	2.8	17.9
7 30	19 15.98	−17 11.2	2.220	3.195	6.1	18.1
8 9	19 8.80	−17 47.5	2.289	3.204	9.2	18.3
8 19	19 3.49	−18 21.1	2.382	3.213	12.0	18.5

356196 2009 OX 7 13.2 352.°87 2.°8/14.5 18

6 10	19 48.98	−12 31.9	1.589	2.467	14.8	19.5
6 20	19 45.57	−12 58.3	1.517	2.460	11.3	19.3
6 30	19 40.02	−13 39.4	1.466	2.454	7.3	19.0
7 10	19 33.06	−14 33.1	1.438	2.448	3.5	18.8
7 20	19 25.59	−15 35.7	1.436	2.444	3.8	18.8
7 30	19 18.73	−16 42.2	1.459	2.441	7.7	19.0
8 9	19 13.48	−17 47.9	1.505	2.439	11.8	19.2
8 19	19 10.56	−18 48.9	1.572	2.439	15.3	19.5

389042 2008 UD_{368} 7 13.2 233.°29 2.°3/12.3 18

6 10	19 58.33	−27 47.9	2.303	3.170	11.2	22.5
6 20	19 51.98	−28 10.7	2.215	3.156	8.3	22.3
6 30	19 43.62	−28 32.3	2.153	3.142	5.1	22.1
7 10	19 33.92	−28 49.3	2.117	3.128	2.4	21.9
7 20	19 23.75	−28 58.8	2.110	3.112	3.7	21.9
7 30	19 14.11	−28 59.3	2.131	3.096	7.0	22.1
8 9	19 5.91	−28 50.9	2.177	3.080	10.2	22.3
8 19	18 59.83	−28 35.2	2.247	3.063	13.1	22.5

136278 2003 YO_{125} 7 13.2 347.°23 3.°4/12.6 18

6 10	20 6.56	−24 10.6	1.061	1.954	19.3	17.7
6 20	19 59.27	−21 43.0	0.991	1.944	14.5	17.3
6 30	19 48.33	−19 1.7	0.941	1.936	9.0	17.0
7 10	19 35.10	−16 12.0	0.916	1.929	3.8	16.7
7 20	19 21.43	−13 24.1	0.916	1.923	6.0	16.8
7 30	19 9.33	−10 49.9	0.941	1.918	11.8	17.1
8 9	19 0.35	− 8 38.0	0.988	1.915	17.2	17.4
8 19	18 55.28	− 6 51.9	1.054	1.914	21.7	17.7

332928 2011 CN_{50} 7 13.2 86.°26 0.°3/13.2 17

6 10	20 5.63	−25 4.8	1.731	2.599	14.3	20.3
6 20	19 57.11	−24 23.6	1.681	2.623	10.4	20.1
6 30	19 46.40	−23 40.0	1.654	2.647	6.1	19.9
7 10	19 34.53	−22 53.2	1.655	2.670	1.5	19.6
7 20	19 22.73	−22 3.4	1.684	2.693	3.1	19.8
7 30	19 12.20	−21 12.1	1.741	2.716	7.4	20.1
8 9	19 3.85	−20 21.7	1.824	2.738	11.2	20.4
8 19	18 58.19	−19 34.1	1.929	2.760	14.4	20.6

103076 1999 XM_{152} 7 13.2 209.°31 4.°5/10.4 18

6 10	19 56.52	−37 21.5	3.123	3.976	9.0	20.0
6 20	19 50.34	−38 10.8	3.047	3.969	7.0	19.8
6 30	19 42.53	−38 54.7	2.996	3.961	5.3	19.7
7 10	19 33.65	−39 29.3	2.972	3.953	4.5	19.6
7 20	19 24.40	−39 51.9	2.977	3.945	5.2	19.7
7 30	19 15.58	−40 1.2	3.009	3.936	6.9	19.8
8 9	19 7.93	−39 57.8	3.068	3.926	8.9	19.9
8 19	19 2.01	−39 43.3	3.149	3.917	10.8	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
265915 2006 BJ_{91}			7 13.2 251°.23		0°.4/13.4 18	
	h m	° ′			°	m
6 10	19 52.70	−19 22.6	2.604	3.468	10.2	22.1
6 20	19 47.58	−19 35.1	2.516	3.456	7.5	21.9
6 30	19 40.92	−19 51.8	2.452	3.443	4.5	21.7
7 10	19 33.26	−20 10.8	2.416	3.431	1.2	21.5
7 20	19 25.24	−20 30.3	2.408	3.418	2.3	21.5
7 30	19 17.60	−20 48.6	2.429	3.405	5.6	21.7
8 9	19 11.05	−21 4.5	2.476	3.392	8.6	21.9
8 19	19 6.12	−21 17.5	2.547	3.378	11.3	22.1
386468 2008 YU_{38}			7 13.2 124°.53		3°.7/14.2 18	
6 10	19 56.42	−12 45.2	1.995	2.849	13.2	20.7
6 20	19 50.44	−12 9.3	1.928	2.856	10.1	20.6
6 30	19 42.62	−11 41.6	1.883	2.862	6.8	20.4
7 10	19 33.68	−11 22.3	1.865	2.868	4.1	20.2
7 20	19 24.47	−11 11.4	1.873	2.874	4.4	20.2
7 30	19 15.95	−11 8.0	1.909	2.880	7.3	20.4
8 9	19 8.93	−11 10.7	1.970	2.885	10.5	20.6
8 19	19 3.98	−11 17.8	2.054	2.891	13.4	20.8
368937 2006 VA_{154}			7 13.2 267°.63		0°.6/13.4 17	
6 10	19 57.34	−19 18.5	1.643	2.520	14.4	22.0
6 20	19 51.88	−19 30.5	1.556	2.502	10.8	21.7
6 30	19 43.87	−19 49.3	1.491	2.484	6.5	21.4
7 10	19 34.06	−20 12.2	1.451	2.465	1.8	21.1
7 20	19 23.52	−20 36.1	1.436	2.446	3.4	21.2
7 30	19 13.54	−20 58.1	1.448	2.427	8.2	21.4
8 9	19 5.35	−21 16.4	1.484	2.408	12.7	21.6
8 19	18 59.81	−21 30.2	1.540	2.388	16.6	21.8
90679 1979 MF_{6}			7 13.2 21°.07		2°.5/14.1 17	
6 10	19 51.92	−14 39.2	1.182	2.076	17.6	19.2
6 20	19 48.11	−14 57.9	1.132	2.085	13.2	18.9
6 30	19 41.63	−15 31.5	1.102	2.095	8.2	18.7
7 10	19 33.47	−16 16.7	1.093	2.106	3.4	18.4
7 20	19 24.92	−17 8.6	1.107	2.118	4.1	18.5
7 30	19 17.41	−18 1.9	1.145	2.131	8.9	18.8
8 9	19 12.13	−18 52.0	1.205	2.145	13.5	19.1
8 19	19 9.76	−19 35.9	1.284	2.160	17.5	19.4
58893 1998 HQ_{153}			7 13.2 72°.11		4°.8/16.0 18	
6 10	19 52.42	− 5 12.0	2.102	2.934	13.4	19.0
6 20	19 47.45	− 5 33.1	2.040	2.949	10.7	18.9
6 30	19 40.85	− 6 9.9	2.000	2.963	7.7	18.7
7 10	19 33.25	− 7 1.5	1.986	2.977	5.3	18.6
7 20	19 25.40	− 8 5.1	1.998	2.992	5.0	18.6
7 30	19 18.12	− 9 16.6	2.038	3.006	7.1	18.8
8 9	19 12.16	−10 31.8	2.104	3.021	9.8	19.0
8 19	19 8.02	−11 46.5	2.193	3.035	12.5	19.2
132746 2002 PG_{42}			7 13.2 344°.35		7°.2/15.7 18	
6 10	19 45.14	− 7 0.5	1.138	2.025	18.7	18.6
6 20	19 43.44	− 6 42.5	1.062	2.003	15.1	18.3
6 30	19 39.12	− 6 47.5	1.005	1.983	11.2	18.0
7 10	19 32.93	− 7 17.9	0.966	1.965	7.9	17.8
7 20	19 25.96	− 8 12.7	0.949	1.949	7.6	17.7
7 30	19 19.63	− 9 27.2	0.952	1.935	10.8	17.8
8 9	19 15.30	−10 53.6	0.976	1.923	15.2	18.0
8 19	19 13.93	−12 23.6	1.018	1.914	19.4	18.2
208382 2001 SJ_{93}			7 13.2 296°.42		3°.3/14.5 18	
6 10	19 52.74	−12 7.8	1.947	2.807	13.3	20.6
6 20	19 48.00	−12 3.0	1.865	2.796	10.2	20.3
6 30	19 41.34	−12 8.9	1.805	2.786	6.8	20.1
7 10	19 33.41	−12 24.8	1.770	2.776	3.8	19.9
7 20	19 25.01	−12 49.2	1.761	2.765	4.1	19.9
7 30	19 17.12	−13 19.9	1.780	2.755	7.3	20.1
8 9	19 10.62	−13 54.1	1.822	2.745	10.8	20.3
8 19	19 6.16	−14 29.2	1.887	2.736	14.0	20.5
311370 2005 SL_{148}			7 13.2 185°.01		1°.9/14.1 18	
6 10	19 52.57	−14 32.0	2.594	3.447	10.6	21.8
6 20	19 47.39	−14 37.3	2.516	3.447	7.9	21.7
6 30	19 40.77	−14 49.5	2.463	3.447	5.0	21.5
7 10	19 33.24	−15 7.2	2.436	3.446	2.4	21.3
7 20	19 25.42	−15 29.1	2.439	3.445	2.7	21.3
7 30	19 18.05	−15 53.3	2.469	3.444	5.6	21.5
8 9	19 11.76	−16 18.1	2.526	3.443	8.4	21.7
8 19	19 7.04	−16 42.3	2.607	3.441	11.0	21.9
326943 2004 DY_{15}			7 13.2 84°.14		1°.6/13.7 17	
6 10	19 57.65	−16 58.0	1.529	2.405	15.4	21.0
6 20	19 51.78	−17 6.5	1.475	2.420	11.4	20.8
6 30	19 43.57	−17 23.7	1.443	2.434	6.9	20.5
7 10	19 33.94	−17 47.0	1.435	2.449	2.4	20.3
7 20	19 24.03	−18 13.1	1.453	2.463	3.5	20.4
7 30	19 15.07	−18 39.4	1.497	2.477	7.9	20.7
8 9	19 8.12	−19 3.5	1.565	2.491	12.0	21.0
8 19	19 3.78	−19 24.2	1.654	2.505	15.5	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
322005 2010 UU_{83}			7 13.2 247°.55		5°.1/ 9.9 18	
	h m	° ′			°	m
6 10	19 56.06	−35 26.5	2.557	3.420	10.4	20.5
6 20	19 50.40	−36 43.2	2.482	3.412	8.1	20.3
6 30	19 42.77	−37 56.1	2.431	3.403	6.0	20.2
7 10	19 33.78	−38 59.7	2.409	3.393	5.1	20.1
7 20	19 24.25	−39 49.8	2.413	3.384	6.0	20.1
7 30	19 15.14	−40 23.7	2.445	3.374	8.2	20.3
8 9	19 7.38	−40 41.3	2.502	3.365	10.5	20.4
8 19	19 1.65	−40 44.6	2.580	3.355	12.7	20.5
306364 2011 TD			7 13.2 28°.96		3°.4/11.9 18	
6 10	19 55.80	−28 53.2	1.809	2.691	13.1	20.1
6 20	19 50.45	−29 35.7	1.747	2.695	9.7	19.9
6 30	19 42.84	−30 16.7	1.708	2.698	6.1	19.7
7 10	19 33.78	−30 51.2	1.694	2.702	3.5	19.5
7 20	19 24.34	−31 15.2	1.706	2.706	4.9	19.6
7 30	19 15.69	−31 26.6	1.745	2.710	8.3	19.8
8 9	19 8.86	−31 25.7	1.807	2.715	11.7	20.1
8 19	19 4.51	−31 14.4	1.890	2.720	14.7	20.3
17101 Sakenova			7 13.2 241°.46		0°.4/13.3 18	
6 10	19 59.71	−21 2.9	1.558	2.436	15.0	18.2
6 20	19 53.61	−20 58.4	1.480	2.427	11.2	18.0
6 30	19 44.86	−20 57.7	1.424	2.418	6.6	17.7
7 10	19 34.32	−20 58.2	1.393	2.408	1.7	17.3
7 20	19 23.18	−20 57.7	1.388	2.398	3.5	17.4
7 30	19 12.82	−20 54.6	1.409	2.388	8.4	17.7
8 9	19 4.48	−20 48.6	1.453	2.377	12.9	18.0
8 19	18 58.98	−20 40.1	1.518	2.366	16.8	18.2
117154 2004 QG_{4}			7 13.2 258°.91		7°.1/17.1 18	
6 10	19 50.68	+ 2 27.3	2.535	3.322	12.7	20.1
6 20	19 46.10	+ 2 42.2	2.448	3.312	10.8	19.9
6 30	19 40.07	+ 2 40.5	2.382	3.301	8.9	19.8
7 10	19 33.09	+ 2 20.9	2.340	3.290	7.5	19.7
7 20	19 25.77	+ 1 43.6	2.324	3.280	7.2	19.6
7 30	19 18.79	+ 0 50.5	2.334	3.269	8.2	19.7
8 9	19 12.81	− 0 14.9	2.369	3.258	10.1	19.8
8 19	19 8.35	− 1 28.4	2.427	3.247	12.2	19.9
388222 2006 HM_{104}			7 13.2 93°.45		0°.2/13.1 17	
6 10	19 55.99	−19 4.8	1.891	2.763	13.1	21.1
6 20	19 50.34	−20 0.4	1.833	2.777	9.5	20.9
6 30	19 42.67	−21 3.1	1.798	2.792	5.6	20.7
7 10	19 33.73	−22 8.4	1.791	2.806	1.3	20.4
7 20	19 24.47	−23 11.5	1.810	2.820	2.9	20.5
7 30	19 15.91	−24 8.4	1.858	2.834	7.0	20.8
8 9	19 8.98	−24 56.7	1.931	2.848	10.6	21.1
8 19	19 4.27	−25 35.7	2.026	2.861	13.6	21.3
469032 2015 AT_{248}			7 13.2 173°.47		1°.0/12.8 17	
6 10	19 59.28	−23 6.9	1.846	2.718	13.3	22.4
6 20	19 52.89	−23 32.4	1.776	2.721	9.8	22.2
6 30	19 44.24	−24 0.5	1.730	2.724	5.7	21.9
7 10	19 34.14	−24 27.7	1.710	2.725	1.6	21.7
7 20	19 23.63	−24 50.4	1.718	2.726	3.3	21.8
7 30	19 13.87	−25 6.4	1.753	2.727	7.5	22.0
8 9	19 5.88	−25 15.0	1.812	2.727	11.3	22.3
8 19	19 0.36	−25 17.0	1.894	2.726	14.6	22.5
391861 2008 TZ_{27}			7 13.2 223°.30		0°.4/13.1 18	
6 10	19 57.32	−22 8.8	2.189	3.056	11.7	22.1
6 20	19 51.25	−22 20.7	2.105	3.047	8.6	21.9
6 30	19 43.22	−22 35.2	2.045	3.037	5.1	21.7
7 10	19 33.90	−22 49.8	2.011	3.026	1.3	21.4
7 20	19 24.15	−23 2.1	2.006	3.015	2.8	21.5
7 30	19 14.92	−23 10.4	2.029	3.004	6.6	21.7
8 9	19 7.11	−23 14.1	2.078	2.992	10.1	21.9
8 19	19 1.38	−23 13.5	2.150	2.979	13.2	22.1
474487 2003 SL_{337}			7 13.2 285°.58		2°.0/12.6 16	
6 10	19 57.41	−26 27.8	1.792	2.672	13.3	21.6
6 20	19 51.64	−26 40.8	1.720	2.669	9.8	21.3
6 30	19 43.55	−26 53.1	1.672	2.665	5.9	21.1
7 10	19 33.99	−27 1.2	1.648	2.661	2.3	20.9
7 20	19 24.01	−27 2.3	1.651	2.658	3.8	21.0
7 30	19 14.80	−26 55.0	1.681	2.654	7.8	21.2
8 9	19 7.42	−26 39.9	1.735	2.651	11.6	21.4
8 19	19 2.55	−26 18.7	1.810	2.647	14.9	21.6
178436 1998 UH_{38}			7 13.2 318°.51		5°.4/14.8 18	
6 10	19 52.78	−10 11.3	1.327	2.203	17.3	19.1
6 20	19 48.82	− 9 50.8	1.249	2.187	13.6	18.9
6 30	19 42.21	− 9 46.5	1.190	2.172	9.5	18.6
7 10	19 33.72	− 9 59.4	1.154	2.157	6.0	18.4
7 20	19 24.48	−10 28.3	1.140	2.142	6.1	18.3
7 30	19 15.89	−11 10.1	1.150	2.129	9.9	18.5
8 9	19 9.24	−12 0.0	1.181	2.115	14.3	18.7
8 19	19 5.45	−12 53.1	1.232	2.103	18.4	18.9

16431 1988 VH_1 7 13.2 258°.16 1°.9/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 56.93	−16 0.1	2.109	2.968	12.4	18.8
6 20	19 51.10	−15 56.5	2.010	2.945	9.4	18.6
6 30	19 43.24	−15 59.6	1.935	2.921	5.9	18.3
7 10	19 33.94	−16 8.4	1.885	2.897	2.5	18.1
7 20	19 24.03	−16 21.3	1.864	2.872	3.2	18.1
7 30	19 14.51	−16 36.5	1.870	2.846	7.0	18.2
8 9	19 6.32	−16 52.5	1.903	2.820	10.7	18.4
8 19	19 0.20	−17 8.1	1.958	2.793	14.1	18.6

167698 2004 SR_4 7 13.2 316°.18 6°.3/14.9 18

6 10	19 51.96	− 9 36.3	1.118	2.004	19.1	19.7
6 20	19 48.72	− 9 12.1	1.037	1.980	15.2	19.4
6 30	19 42.42	− 9 7.1	0.974	1.957	10.8	19.1
7 10	19 33.83	− 9 23.4	0.931	1.935	7.0	18.8
7 20	19 24.18	−10 0.5	0.910	1.913	7.1	18.7
7 30	19 15.13	−10 54.7	0.910	1.892	11.3	18.9
8 9	19 8.27	−11 59.7	0.930	1.872	16.3	19.1
8 19	19 4.73	−13 8.9	0.968	1.854	21.0	19.3

211021 Johnpercin 7 13.2 198°.87 4°.7/11.9 17

6 10	20 2.28	−31 13.1	1.468	2.351	15.5	20.6
6 20	19 55.76	−31 49.5	1.403	2.350	11.7	20.4
6 30	19 46.21	−32 21.4	1.360	2.349	7.6	20.2
7 10	19 34.68	−32 42.2	1.341	2.347	4.8	20.0
7 20	19 22.60	−32 46.9	1.348	2.345	6.2	20.1
7 30	19 11.61	−32 34.2	1.379	2.343	10.1	20.3
8 9	19 3.10	−32 6.4	1.432	2.341	14.1	20.5
8 19	18 57.87	−31 27.8	1.506	2.339	17.6	20.8

362265 2009 PT_4 7 13.2 36°.99 2°.8/12.4 18

6 10	19 56.37	−30 19.4	2.260	3.132	11.2	20.2
6 20	19 50.43	−30 27.6	2.192	3.134	8.3	20.1
6 30	19 42.64	−30 31.9	2.148	3.136	5.3	19.9
7 10	19 33.74	−30 29.5	2.130	3.139	2.9	19.7
7 20	19 24.59	−30 18.5	2.141	3.141	3.9	19.8
7 30	19 16.15	−29 58.4	2.178	3.144	6.9	20.0
8 9	19 9.24	−29 30.4	2.241	3.146	9.9	20.2
8 19	19 4.41	−28 56.4	2.327	3.149	12.5	20.4

80706 2000 CL_{16} 7 13.2 322°.29 1°.0/13.4 18

6 10	19 52.58	−19 32.2	1.156	2.058	17.3	18.3
6 20	19 49.25	−19 28.9	1.072	2.031	13.1	18.0
6 30	19 42.77	−19 33.7	1.007	2.004	7.9	17.6
7 10	19 33.92	−19 44.4	0.963	1.979	2.3	17.2
7 20	19 24.00	−19 57.9	0.942	1.954	4.2	17.2
7 30	19 14.73	−20 11.2	0.943	1.930	10.2	17.5
8 9	19 7.74	−20 22.0	0.964	1.907	15.8	17.7
8 19	19 4.18	−20 29.3	1.003	1.886	20.7	17.9

397385 2006 VC_{54} 7 13.2 169°.39 5°.1/10.8 18

6 10	19 57.41	−35 43.4	2.301	3.166	11.3	21.6
6 20	19 51.40	−36 38.3	2.236	3.168	8.7	21.4
6 30	19 43.33	−37 27.4	2.195	3.169	6.4	21.3
7 10	19 33.94	−38 5.5	2.181	3.170	5.1	21.2
7 20	19 24.15	−38 28.9	2.193	3.170	6.1	21.3
7 30	19 15.02	−38 36.2	2.233	3.171	8.3	21.4
8 9	19 7.50	−38 28.3	2.296	3.172	10.9	21.6
8 19	19 2.22	−38 8.0	2.381	3.172	13.2	21.8

491649 2012 TX_{224} 7 13.2 289°.84 1°.9/12.5 18

6 10	19 56.39	−24 59.0	1.750	2.632	13.5	21.6
6 20	19 51.21	−25 30.0	1.659	2.608	10.0	21.3
6 30	19 43.53	−26 3.9	1.591	2.585	6.0	21.0
7 10	19 34.05	−26 36.2	1.547	2.561	2.3	20.7
7 20	19 23.81	−27 2.7	1.530	2.537	4.0	20.8
7 30	19 14.07	−27 20.3	1.540	2.513	8.4	21.0
8 9	19 6.06	−27 28.0	1.573	2.489	12.6	21.2
8 19	19 0.65	−27 26.7	1.626	2.466	16.2	21.4

177649 2004 TP_8 7 13.2 203°.90 13°.5/20.4 17

6 10	19 58.16	+11 8.4	1.433	2.200	21.6	20.0
6 20	19 52.57	+11 23.6	1.359	2.197	19.1	19.8
6 30	19 44.33	+11 2.2	1.301	2.194	16.6	19.7
7 10	19 34.25	+ 9 59.3	1.263	2.189	14.4	19.5
7 20	19 23.46	+ 8 14.6	1.245	2.184	13.5	19.5
7 30	19 13.35	+ 5 53.6	1.251	2.179	14.3	19.5
8 9	19 5.18	+ 3 7.7	1.279	2.172	16.5	19.6
8 19	18 59.82	+ 0 10.2	1.328	2.165	19.3	19.8

439292 2012 UK_{151} 7 13.2 287°.35 2°.8/12.0 17

6 10	19 55.85	−26 50.6	1.846	2.727	12.9	21.6
6 20	19 50.56	−27 38.5	1.774	2.722	9.5	21.3
6 30	19 42.98	−28 27.5	1.725	2.717	5.9	21.1
7 10	19 33.88	−29 12.7	1.701	2.712	2.9	20.9
7 20	19 24.27	−29 49.3	1.705	2.707	4.5	21.0
7 30	19 15.31	−30 14.6	1.734	2.702	8.1	21.2
8 9	19 8.06	−30 27.8	1.788	2.697	11.7	21.4
8 19	19 3.27	−30 30.1	1.862	2.692	14.9	21.6

328194 2008 ER_6 7 13.2 123°.43 2°.9/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 0.23	−26 46.3	1.726	2.603	13.8	21.5
6 20	19 53.71	−27 39.4	1.670	2.616	10.2	21.3
6 30	19 44.77	−28 32.7	1.637	2.629	6.2	21.0
7 10	19 34.30	−29 20.3	1.630	2.640	3.1	20.9
7 20	19 23.47	−29 57.7	1.650	2.652	4.6	21.0
7 30	19 13.56	−30 22.0	1.696	2.663	8.4	21.3
8 9	19 5.64	−30 33.3	1.767	2.673	12.0	21.5
8 19	19 0.40	−30 33.6	1.859	2.684	15.1	21.7

522863 2016 NV_{87} 7 13.2 258°.49 0°.2/13.3 18

6 10	19 56.42	−20 54.1	1.915	2.788	12.9	21.5
6 20	19 50.81	−20 56.9	1.832	2.777	9.5	21.3
6 30	19 43.07	−21 3.4	1.773	2.766	5.7	21.0
7 10	19 33.91	−21 11.4	1.740	2.755	1.4	20.7
7 20	19 24.25	−21 18.5	1.733	2.744	2.9	20.8
7 30	19 15.19	−21 23.3	1.754	2.732	7.2	21.0
8 9	19 7.72	−21 24.9	1.800	2.720	11.0	21.2
8 19	19 2.51	−21 23.4	1.868	2.709	14.4	21.4

67134 2000 AB_{149} 7 13.2 97°.54 0°.5/13.5 18

6 10	19 52.66	−17 2.1	2.386	3.249	11.0	17.8
6 20	19 47.63	−17 49.7	2.316	3.255	8.1	17.7
6 30	19 41.01	−18 44.6	2.270	3.261	4.8	17.5
7 10	19 33.38	−19 43.7	2.252	3.266	1.4	17.2
7 20	19 25.42	−20 43.7	2.262	3.272	2.4	17.3
7 30	19 17.92	−21 41.2	2.301	3.278	5.8	17.5
8 9	19 11.62	−22 33.7	2.367	3.283	8.9	17.8
8 19	19 7.04	−23 19.7	2.456	3.289	11.6	17.9

509738 2008 SR_{301} 7 13.2 277°.43 3°.9/11.9 18

6 10	19 59.04	−30 36.8	1.823	2.700	13.2	21.8
6 20	19 53.13	−31 7.3	1.736	2.680	10.0	21.6
6 30	19 44.64	−31 34.9	1.672	2.660	6.5	21.3
7 10	19 34.35	−31 54.4	1.633	2.639	4.0	21.1
7 20	19 23.36	−32 1.7	1.620	2.618	5.3	21.2
7 30	19 13.01	−31 54.8	1.634	2.597	8.9	21.3
8 9	19 4.53	−31 34.5	1.671	2.576	12.6	21.5
8 19	18 58.75	−31 3.7	1.729	2.555	16.0	21.7

386327 2008 ST_{155} 7 13.2 262°.61 3°.7/14.7 18

6 10	19 54.63	−10 50.1	1.966	2.818	13.5	21.2
6 20	19 49.48	−10 49.7	1.875	2.801	10.5	21.0
6 30	19 42.31	−11 1.3	1.806	2.784	7.1	20.7
7 10	19 33.75	−11 24.3	1.762	2.766	4.2	20.5
7 20	19 24.62	−11 57.1	1.745	2.748	4.4	20.5
7 30	19 15.90	−12 37.2	1.755	2.729	7.5	20.6
8 9	19 8.55	−13 21.5	1.790	2.710	11.1	20.8
8 19	19 3.28	−14 6.8	1.848	2.691	14.4	21.0

366706 2003 WN_{123} 7 13.2 309°.52 3°.3/12.2 17

6 10	19 55.89	−26 6.7	1.231	2.131	16.6	20.6
6 20	19 51.88	−26 49.4	1.142	2.100	12.5	20.2
6 30	19 44.47	−27 36.9	1.073	2.070	7.8	19.9
7 10	19 34.42	−28 22.6	1.026	2.039	3.6	19.5
7 20	19 23.06	−28 59.2	1.003	2.009	5.8	19.6
7 30	19 12.25	−29 21.3	1.002	1.979	11.2	19.8
8 9	19 3.81	−29 27.4	1.021	1.950	16.6	20.0
8 19	18 59.02	−29 19.2	1.058	1.922	21.3	20.2

342939 2009 AA_{24} 7 13.2 259°.56 1°.1/13.7 18

6 10	19 54.33	−17 4.6	1.973	2.841	12.7	21.1
6 20	19 49.23	−17 26.0	1.892	2.833	9.5	20.9
6 30	19 42.13	−17 55.3	1.834	2.824	5.8	20.6
7 10	19 33.70	−18 30.3	1.801	2.815	1.9	20.4
7 20	19 24.78	−19 8.0	1.796	2.806	2.9	20.4
7 30	19 16.38	−19 45.3	1.819	2.797	6.9	20.6
8 9	19 9.42	−20 19.9	1.866	2.788	10.6	20.9
8 19	19 4.57	−20 50.3	1.936	2.779	13.9	21.0

512104 2015 OZ_{44} 7 13.2 297°.00 1°.4/12.5 18

6 10	19 53.70	−22 50.7	2.030	2.908	12.1	21.0
6 20	19 48.81	−23 40.8	1.951	2.899	8.9	20.8
6 30	19 41.92	−24 35.6	1.896	2.890	5.2	20.5
7 10	19 33.65	−25 31.0	1.867	2.881	1.7	20.3
7 20	19 24.87	−26 22.5	1.865	2.872	3.4	20.4
7 30	19 16.59	−27 6.8	1.890	2.863	7.1	20.6
8 9	19 9.75	−27 41.9	1.941	2.855	10.7	20.8
8 19	19 5.03	−28 7.5	2.014	2.846	13.8	21.0

125017 2001 TM_{174} 7 13.2 128°.55 2°.5/14.1 17

6 10	19 58.97	−14 44.3	1.488	2.359	16.0	20.3
6 20	19 52.91	−14 50.3	1.428	2.368	12.0	20.1
6 30	19 44.36	−15 7.7	1.389	2.377	7.6	19.8
7 10	19 34.24	−15 34.1	1.374	2.385	3.3	19.6
7 20	19 23.73	−16 6.4	1.385	2.393	4.0	19.7
7 30	19 14.14	−16 41.3	1.422	2.401	8.3	19.9
8 9	19 6.58	−17 15.5	1.482	2.408	12.5	20.2
8 19	19 1.76	−17 47.2	1.563	2.415	16.2	20.5

318202 2004 RX_{141} 7 13.2 266°.86 2°.9/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 51.99	−11 28.3	2.510	3.356	11.1	21.3
6 20	19 47.16	−11 32.6	2.415	3.339	8.5	21.1
6 30	19 40.78	−11 46.1	2.344	3.322	5.7	20.9
7 10	19 33.35	−12 8.1	2.300	3.304	3.3	20.7
7 20	19 25.52	−12 37.3	2.284	3.286	3.4	20.7
7 30	19 18.02	−13 11.6	2.295	3.268	6.1	20.8
8 9	19 11.55	−13 48.8	2.333	3.250	9.0	21.0
8 19	19 6.69	−14 26.7	2.395	3.232	11.8	21.2

343437 2010 DR_{75} 7 13.2 290°.79 2°.8/12.3 18

6 10	19 56.96	−27 49.4	1.780	2.662	13.3	20.6
6 20	19 51.44	−28 16.9	1.706	2.654	9.9	20.3
6 30	19 43.54	−28 43.4	1.654	2.646	6.1	20.1
7 10	19 34.06	−29 4.7	1.628	2.639	3.0	19.9
7 20	19 24.07	−29 16.9	1.628	2.631	4.4	19.9
7 30	19 14.82	−29 18.3	1.654	2.624	8.2	20.2
8 9	19 7.39	−29 9.1	1.703	2.616	12.0	20.4
8 19	19 2.53	−28 51.2	1.774	2.609	15.3	20.6

342646 2008 UE_{367} 7 13.2 255°.87 0°.9/13.6 18

6 10	19 55.22	−17 23.9	1.958	2.826	12.8	21.2
6 20	19 49.96	−17 50.3	1.871	2.812	9.6	20.9
6 30	19 42.61	−18 24.8	1.808	2.799	5.8	20.7
7 10	19 33.84	−19 5.0	1.771	2.785	1.8	20.4
7 20	19 24.50	−19 47.5	1.761	2.771	2.9	20.4
7 30	19 15.63	−20 29.1	1.778	2.757	7.0	20.7
8 9	19 8.20	−21 7.3	1.821	2.742	10.9	20.9
8 19	19 2.95	−21 40.4	1.886	2.727	14.3	21.1

376953 2002 FE_{28} 7 13.2 188°.02 6°.0/16.0 18

6 10	19 54.57	− 2 49.7	2.289	3.101	13.1	21.8
6 20	19 49.04	− 2 36.3	2.210	3.101	10.7	21.7
6 30	19 41.85	− 2 38.0	2.153	3.100	8.2	21.5
7 10	19 33.61	− 2 55.3	2.122	3.098	6.4	21.4
7 20	19 25.03	− 3 27.4	2.117	3.096	6.1	21.4
7 30	19 16.90	− 4 12.2	2.140	3.093	7.8	21.5
8 9	19 9.97	− 5 6.1	2.188	3.089	10.2	21.6
8 19	19 4.81	− 6 5.4	2.259	3.085	12.7	21.8

191313 2003 HJ_{41} 7 13.2 59°.58 4°.7/12.4 18

6 10	20 2.72	−33 30.4	1.528	2.407	15.2	19.6
6 20	19 55.71	−33 38.0	1.475	2.419	11.5	19.4
6 30	19 45.95	−33 36.9	1.445	2.431	7.6	19.2
7 10	19 34.61	−33 22.3	1.439	2.443	4.9	19.0
7 20	19 23.11	−32 52.0	1.458	2.455	5.9	19.1
7 30	19 12.93	−32 7.1	1.503	2.467	9.4	19.4
8 9	19 5.23	−31 11.4	1.571	2.480	13.0	19.6
8 19	19 0.61	−30 9.6	1.659	2.493	16.2	19.9

418003 2007 TC_{429} 7 13.2 327°.49 2°.9/13.9 17

6 10	19 53.78	−15 40.1	1.140	2.036	18.0	20.8
6 20	19 49.93	−15 30.9	1.070	2.023	13.7	20.5
6 30	19 43.03	−15 34.3	1.018	2.012	8.7	20.2
7 10	19 34.00	−15 49.1	0.988	2.000	3.8	19.8
7 20	19 24.18	−16 12.7	0.980	1.990	4.7	19.9
7 30	19 15.20	−16 41.6	0.995	1.980	10.0	20.1
8 9	19 8.55	−17 12.0	1.030	1.972	15.2	20.4
8 19	19 5.20	−17 41.0	1.084	1.964	19.7	20.6

513512 2009 RB_{67} 7 13.2 336°.72 7°.6/17.2 18

6 10	19 49.88	+ 0 45.9	2.030	2.841	14.6	21.1
6 20	19 45.84	+ 0 57.8	1.950	2.834	12.3	20.9
6 30	19 40.08	+ 0 50.0	1.891	2.826	9.9	20.8
7 10	19 33.19	+ 0 21.3	1.855	2.820	8.1	20.7
7 20	19 25.91	− 0 27.5	1.844	2.813	7.7	20.6
7 30	19 19.08	− 1 33.8	1.858	2.808	9.0	20.7
8 9	19 13.48	− 2 52.7	1.896	2.802	11.3	20.8
8 19	19 9.72	− 4 18.6	1.956	2.797	13.8	21.0

498531 2008 FV_{97} 7 13.2 333°.09 1°.2/12.8 17

6 10	19 54.21	−21 20.3	1.314	2.210	16.1	20.8
6 20	19 50.03	−22 8.3	1.244	2.201	11.9	20.5
6 30	19 43.00	−23 5.1	1.196	2.193	7.0	20.2
7 10	19 33.98	−24 5.2	1.170	2.186	1.9	19.9
7 20	19 24.24	−25 2.1	1.169	2.179	4.2	20.0
7 30	19 15.29	−25 50.5	1.192	2.173	9.4	20.3
8 9	19 8.52	−26 27.5	1.237	2.167	14.1	20.5
8 19	19 4.83	−26 52.5	1.300	2.162	18.2	20.8

186314 2002 CP_{224} 7 13.2 125°.81 1°.3/12.6 18

6 10	19 54.82	−25 2.8	2.647	3.513	10.0	21.5
6 20	19 49.04	−25 29.2	2.584	3.526	7.3	21.3
6 30	19 41.76	−25 56.0	2.547	3.538	4.3	21.2
7 10	19 33.58	−26 20.5	2.537	3.550	1.6	21.0
7 20	19 25.19	−26 40.5	2.556	3.562	2.7	21.1
7 30	19 17.34	−26 54.6	2.604	3.573	5.7	21.3
8 9	19 10.72	−27 2.3	2.678	3.584	8.4	21.5
8 19	19 5.78	−27 4.2	2.776	3.595	10.8	21.7

72759 2001 FF_{139} 7 13.2 322°.45 1°.3/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 54.11	−17 52.6	1.666	2.545	14.2	18.8
6 20	19 49.34	−17 55.5	1.591	2.537	10.6	18.6
6 30	19 42.31	−18 5.8	1.537	2.530	6.4	18.3
7 10	19 33.78	−18 21.4	1.508	2.522	2.2	18.1
7 20	19 24.75	−18 40.1	1.505	2.515	3.3	18.1
7 30	19 16.37	−18 59.3	1.527	2.508	7.7	18.4
8 9	19 9.70	−19 17.2	1.574	2.502	11.8	18.6
8 19	19 5.46	−19 32.6	1.641	2.496	15.4	18.8

398416 2011 SQ_{258} 7 13.2 290°.47 9°.5/ 8.2 18

6 10	20 1.38	−45 45.1	1.996	2.843	13.5	20.7
6 20	19 55.22	−47 11.5	1.928	2.830	11.5	20.6
6 30	19 46.05	−48 25.4	1.882	2.816	10.0	20.5
7 10	19 34.76	−49 18.6	1.861	2.803	9.6	20.4
7 20	19 22.66	−49 45.3	1.863	2.790	10.5	20.4
7 30	19 11.37	−49 43.4	1.888	2.777	12.3	20.5
8 9	19 2.36	−49 15.7	1.935	2.764	14.5	20.7
8 19	18 56.54	−48 27.5	2.000	2.751	16.6	20.8

264962 2002 XG_{57} 7 13.2 154°.42 2°.9/14.4 18

6 10	19 57.08	−12 55.1	1.933	2.788	13.6	21.1
6 20	19 51.09	−12 56.6	1.865	2.795	10.3	20.9
6 30	19 43.14	−13 8.3	1.819	2.801	6.7	20.7
7 10	19 33.96	−13 28.8	1.799	2.807	3.5	20.6
7 20	19 24.45	−13 56.0	1.807	2.812	3.8	20.6
7 30	19 15.59	−14 27.4	1.842	2.817	7.1	20.8
8 9	19 8.28	−15 0.5	1.902	2.821	10.6	21.0
8 19	19 3.12	−15 33.0	1.985	2.825	13.7	21.2

389951 2012 TM_{168} 7 13.2 313°.09 0°.4/13.1 18

6 10	19 54.50	−20 12.8	1.735	2.616	13.6	20.0
6 20	19 49.61	−20 51.9	1.662	2.610	10.0	19.7
6 30	19 42.48	−21 38.1	1.611	2.605	5.9	19.5
7 10	19 33.83	−22 27.4	1.585	2.601	1.5	19.2
7 20	19 24.66	−23 15.5	1.586	2.596	3.2	19.3
7 30	19 16.12	−23 58.5	1.613	2.591	7.6	19.6
8 9	19 9.25	−24 34.1	1.664	2.587	11.6	19.8
8 19	19 4.79	−25 1.6	1.737	2.583	15.1	20.0

144647 2004 FT_{102} 7 13.2 235°.44 2°.0/12.5 17

6 10	19 59.50	−25 12.3	1.905	2.778	12.9	21.3
6 20	19 53.28	−25 46.7	1.819	2.764	9.6	21.0
6 30	19 44.66	−26 23.0	1.758	2.750	5.8	20.8
7 10	19 34.39	−26 57.0	1.722	2.735	2.2	20.5
7 20	19 23.48	−27 24.3	1.714	2.720	3.9	20.6
7 30	19 13.13	−27 42.5	1.733	2.704	7.9	20.8
8 9	19 4.48	−27 50.7	1.778	2.687	11.8	21.0
8 19	18 58.32	−27 50.2	1.843	2.670	15.1	21.2

61075 2000 LQ_{10} 7 13.2 301°.46 9°.4/16.8 18

6 10	19 52.32	+ 0 44.3	1.598	2.422	17.3	18.2
6 20	19 48.17	+ 1 14.7	1.511	2.402	14.7	17.9
6 30	19 41.74	+ 1 22.1	1.443	2.383	12.0	17.7
7 10	19 33.68	+ 1 3.2	1.397	2.364	9.9	17.5
7 20	19 24.92	+ 0 17.2	1.373	2.345	9.5	17.5
7 30	19 16.60	− 0 53.1	1.373	2.326	11.3	17.5
8 9	19 9.84	− 2 21.9	1.396	2.307	14.2	17.6
8 19	19 5.47	− 4 1.6	1.438	2.289	17.4	17.8

425176 2009 UQ_{21} 7 13.2 163°.29 1°.6/13.9 17

6 10	19 56.68	−15 26.4	2.082	2.940	12.6	22.1
6 20	19 50.74	−15 46.0	2.010	2.945	9.4	21.9
6 30	19 42.92	−16 13.9	1.963	2.950	5.8	21.7
7 10	19 33.91	−16 47.8	1.942	2.954	2.3	21.5
7 20	19 24.55	−17 25.0	1.949	2.958	2.9	21.5
7 30	19 15.78	−18 2.8	1.984	2.961	6.6	21.7
8 9	19 8.46	−18 38.8	2.046	2.964	10.0	22.0
8 19	19 3.17	−19 11.5	2.130	2.966	13.0	22.2

236488 2006 FY_{40} 7 13.2 141°.91 4°.3/11.4 18

6 10	19 58.85	−31 48.6	2.041	2.913	12.3	21.0
6 20	19 52.58	−32 44.2	1.980	2.919	9.2	20.8
6 30	19 44.10	−33 36.2	1.942	2.926	6.2	20.7
7 10	19 34.21	−34 19.1	1.931	2.932	4.3	20.6
7 20	19 23.94	−34 48.7	1.948	2.938	5.5	20.6
7 30	19 14.42	−35 3.2	1.991	2.943	8.3	20.8
8 9	19 6.65	−35 3.3	2.058	2.948	11.3	21.0
8 19	19 1.30	−34 51.3	2.147	2.953	14.0	21.2

229193 2004 TE_{276} 7 13.2 46°.06 2°.2/12.5 17

6 10	19 56.60	−25 21.9	1.625	2.510	14.1	20.2
6 20	19 51.21	−25 57.9	1.564	2.515	10.4	19.9
6 30	19 43.40	−26 35.4	1.526	2.520	6.2	19.7
7 10	19 34.05	−27 9.7	1.512	2.526	2.5	19.5
7 20	19 24.30	−27 36.5	1.525	2.531	4.1	19.6
7 30	19 15.42	−27 53.3	1.563	2.537	8.3	19.9
8 9	19 8.49	−27 59.7	1.625	2.543	12.2	20.1
8 19	19 4.20	−27 57.1	1.707	2.549	15.5	20.3

195487 2002 GF_{146} 7 13.2 357°.33 0°.8/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 55.56	−21 55.7	1.667	2.550	14.0	19.8
6 20	19 50.42	−22 26.9	1.600	2.549	10.3	19.6
6 30	19 42.95	−23 3.0	1.554	2.549	6.0	19.4
7 10	19 33.95	−23 40.0	1.534	2.549	1.6	19.1
7 20	19 24.49	−24 13.9	1.539	2.549	3.4	19.2
7 30	19 15.77	−24 41.6	1.571	2.549	7.8	19.5
8 9	19 8.86	−25 1.6	1.627	2.549	11.9	19.7
8 19	19 4.48	−25 14.0	1.703	2.549	15.3	19.9

246746 2009 BY_{98} 7 13.2 188°.06 2°.0/12.5 18

6 10	19 56.45	−26 1.8	1.971	2.848	12.4	20.9
6 20	19 50.79	−26 28.6	1.901	2.848	9.1	20.7
6 30	19 43.04	−26 55.8	1.855	2.848	5.5	20.5
7 10	19 33.96	−27 19.6	1.835	2.848	2.2	20.2
7 20	19 24.49	−27 36.9	1.842	2.847	3.7	20.3
7 30	19 15.71	−27 45.7	1.875	2.847	7.3	20.6
8 9	19 8.56	−27 45.9	1.934	2.846	10.8	20.8
8 19	19 3.69	−27 38.7	2.015	2.846	13.9	21.0

17458 Dick 7 13.2 227°.68 0°.6/12.9 18 R

6 10	19 54.52	−22 48.1	2.374	3.243	10.9	18.9
6 20	19 49.09	−23 5.9	2.294	3.238	8.0	18.7
6 30	19 41.94	−23 25.8	2.239	3.232	4.7	18.5
7 10	19 33.68	−23 45.5	2.211	3.226	1.3	18.2
7 20	19 25.07	−24 2.6	2.210	3.219	2.6	18.3
7 30	19 16.94	−24 15.5	2.238	3.213	6.1	18.6
8 9	19 10.10	−24 23.4	2.292	3.206	9.3	18.7
8 19	19 5.09	−24 26.3	2.369	3.199	12.1	18.9

15810 Arawn 7 13.2 33°.02 0°.1/13.6 16 R

6 10	19 33.88	−19 30.2	34.966	35.823	0.9	23.3
6 20	19 33.06	−19 31.9	34.889	35.825	0.6	23.3
6 30	19 32.16	−19 33.9	34.838	35.828	0.4	23.3
7 10	19 31.21	−19 36.1	34.816	35.830	0.1	23.2
7 20	19 30.26	−19 38.4	34.823	35.832	0.2	23.2
7 30	19 29.32	−19 40.7	34.858	35.835	0.5	23.3
8 9	19 28.45	−19 43.0	34.922	35.837	0.7	23.3
8 19	19 27.66	−19 45.1	35.012	35.839	0.9	23.3

346546 2008 UM_{303} 7 13.2 347°.31 3°.2/12.1 16

6 10	19 55.23	−27 14.6	1.493	2.385	14.7	20.6
6 20	19 50.53	−27 56.6	1.427	2.380	10.9	20.3
6 30	19 43.17	−28 39.2	1.382	2.376	6.7	20.1
7 10	19 34.04	−29 16.8	1.362	2.373	3.4	19.9
7 20	19 24.36	−29 44.4	1.366	2.370	5.1	20.0
7 30	19 15.52	−29 58.9	1.395	2.367	9.2	20.2
8 9	19 8.77	−30 0.4	1.446	2.365	13.3	20.4
8 19	19 4.90	−29 50.7	1.517	2.364	16.8	20.7

187342 2005 UH_{142} 7 13.2 281°.32 5°.1/15.6 18

6 10	19 51.66	− 5 45.5	2.261	3.092	12.6	20.4
6 20	19 47.06	− 5 36.9	2.170	3.077	10.2	20.2
6 30	19 40.80	− 5 41.8	2.102	3.062	7.6	20.0
7 10	19 33.42	− 6 0.6	2.058	3.046	5.5	19.8
7 20	19 25.61	− 6 32.5	2.041	3.031	5.4	19.8
7 30	19 18.17	− 7 15.4	2.051	3.015	7.4	19.9
8 9	19 11.85	− 8 6.1	2.087	2.999	10.1	20.0
8 19	19 7.26	− 9 1.2	2.145	2.984	12.9	20.2

361969 2008 JF_{37} 7 13.2 59°.66 6°.5/16.0 18

6 10	19 51.72	− 2 7.3	2.289	3.104	13.0	20.9
6 20	19 46.92	− 1 32.1	2.220	3.108	10.8	20.8
6 30	19 40.61	− 1 11.4	2.172	3.113	8.5	20.6
7 10	19 33.36	− 1 6.4	2.150	3.118	6.9	20.5
7 20	19 25.84	− 1 17.2	2.152	3.123	6.7	20.5
7 30	19 18.82	− 1 42.3	2.181	3.128	8.1	20.6
8 9	19 12.97	− 2 18.7	2.235	3.133	10.2	20.8
8 19	19 8.79	− 3 2.9	2.311	3.138	12.4	20.9

503617 2016 GU_{127} 7 13.2 96°.53 4°.1/12.2 17

6 10	20 1.33	−29 39.0	1.389	2.277	15.9	21.9
6 20	19 55.10	−30 14.4	1.332	2.282	11.9	21.6
6 30	19 45.86	−30 46.6	1.295	2.287	7.5	21.4
7 10	19 34.71	−31 9.3	1.283	2.291	4.3	21.2
7 20	19 23.10	−31 17.6	1.295	2.296	5.8	21.3
7 30	19 12.68	−31 10.0	1.332	2.301	9.9	21.6
8 9	19 4.76	−30 48.6	1.391	2.305	14.0	21.8
8 19	19 0.11	−30 17.1	1.470	2.310	17.6	22.1

36394 2000 OP_{42} 7 13.2 266°.42 3°.4/14.4 18

6 10	19 55.57	−12 37.4	1.872	2.730	13.8	19.2
6 20	19 50.30	−12 30.0	1.780	2.712	10.6	19.0
6 30	19 42.89	−12 33.0	1.711	2.693	7.1	18.7
7 10	19 33.99	−12 46.0	1.667	2.674	3.9	18.5
7 20	19 24.46	−13 7.5	1.650	2.654	4.2	18.5
7 30	19 15.39	−13 35.4	1.659	2.634	7.7	18.7
8 9	19 7.77	−14 6.9	1.693	2.614	11.5	18.8
8 19	19 2.37	−14 39.8	1.749	2.594	15.0	19.0

434376 2004 TN_{326} 7 13.2 334°.70 1°.1/13.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 58.78	−22 34.1	1.393	2.281	15.9	20.3
6 20	19 53.12	−21 39.6	1.319	2.270	11.8	20.0
6 30	19 44.68	−20 43.8	1.266	2.261	7.1	19.7
7 10	19 34.42	−19 46.4	1.237	2.251	2.1	19.4
7 20	19 23.66	−18 48.3	1.233	2.243	3.8	19.5
7 30	19 13.87	−17 51.5	1.254	2.235	8.9	19.7
8 9	19 6.30	−16 58.2	1.298	2.228	13.6	20.0
8 19	19 1.74	−16 10.1	1.362	2.222	17.6	20.2

206963 2004 SV_{33} 7 13.2 289°.45 2°.3/14.0 18

6 10	19 55.84	−15 2.8	1.322	2.205	16.9	20.0
6 20	19 51.32	−15 20.4	1.239	2.186	12.8	19.7
6 30	19 43.88	−15 52.4	1.176	2.167	8.1	19.4
7 10	19 34.30	−16 36.8	1.135	2.148	3.2	19.1
7 20	19 23.77	−17 29.2	1.119	2.129	4.1	19.1
7 30	19 13.82	−18 24.6	1.127	2.111	9.4	19.3
8 9	19 5.92	−19 18.3	1.158	2.092	14.5	19.5
8 19	19 1.12	−20 6.8	1.207	2.073	19.0	19.8

41881 2000 WH_{109} 7 13.2 242°.40 0°.4/13.1 18

6 10	19 57.68	−22 44.9	1.934	2.807	12.8	19.9
6 20	19 51.76	−22 48.5	1.853	2.798	9.4	19.7
6 30	19 43.67	−22 54.2	1.795	2.788	5.6	19.4
7 10	19 34.16	−22 59.3	1.763	2.779	1.4	19.1
7 20	19 24.18	−23 1.6	1.759	2.769	3.0	19.2
7 30	19 14.83	−22 59.8	1.782	2.758	7.2	19.5
8 9	19 7.10	−22 53.6	1.830	2.748	11.0	19.7
8 19	19 1.69	−22 43.6	1.900	2.737	14.3	19.9

373115 2011 GJ_{83} 7 13.2 351°.38 0°.7/12.9 18

6 10	19 49.24	−21 18.6	2.108	2.989	11.5	19.2
6 20	19 45.46	−21 59.0	2.031	2.981	8.4	19.0
6 30	19 39.92	−22 44.6	1.979	2.974	4.9	18.8
7 10	19 33.22	−23 32.1	1.952	2.967	1.3	18.5
7 20	19 26.12	−24 18.1	1.953	2.962	2.8	18.6
7 30	19 19.50	−24 59.5	1.980	2.957	6.5	18.8
8 9	19 14.17	−25 34.2	2.032	2.953	9.9	19.0
8 19	19 10.73	−26 1.3	2.106	2.950	12.9	19.2

179289 2001 VO_{27} 7 13.3 303°.71 1°.8/12.5 18

6 10	19 55.50	−24 20.8	1.876	2.756	12.8	20.0
6 20	19 50.60	−24 56.8	1.771	2.719	9.6	19.7
6 30	19 43.28	−25 37.0	1.689	2.682	5.8	19.4
7 10	19 34.15	−26 17.3	1.632	2.646	2.1	19.1
7 20	19 24.11	−26 53.3	1.602	2.609	3.9	19.2
7 30	19 14.37	−27 21.5	1.598	2.571	8.2	19.3
8 9	19 6.12	−27 40.0	1.619	2.534	12.3	19.5
8 19	19 0.30	−27 49.1	1.660	2.497	16.1	19.7

391566 2007 TH_{191} 7 13.3 266°.78 1°.9/13.9 16

6 10	19 55.00	−15 48.1	2.029	2.892	12.7	22.0
6 20	19 49.75	−15 48.9	1.938	2.876	9.6	21.8
6 30	19 42.50	−15 57.2	1.871	2.858	6.0	21.5
7 10	19 33.90	−16 11.9	1.829	2.841	2.6	21.3
7 20	19 24.76	−16 31.1	1.815	2.823	3.2	21.3
7 30	19 16.06	−16 52.7	1.828	2.805	6.9	21.5
8 9	19 8.74	−17 14.9	1.866	2.787	10.7	21.7
8 19	19 3.48	−17 36.2	1.926	2.769	14.0	21.8

185070 2006 RR_{50} 7 13.3 182°.45 1°.0/12.9 18

6 10	19 55.24	−23 39.4	2.280	3.151	11.2	21.4
6 20	19 49.65	−23 59.6	2.207	3.151	8.2	21.2
6 30	19 42.29	−24 21.6	2.158	3.151	4.8	21.0
7 10	19 33.81	−24 42.4	2.136	3.151	1.4	20.7
7 20	19 25.00	−24 59.7	2.143	3.151	2.8	20.8
7 30	19 16.76	−25 11.8	2.177	3.150	6.3	21.1
8 9	19 9.87	−25 18.0	2.236	3.149	9.5	21.3
8 19	19 4.93	−25 18.7	2.319	3.148	12.3	21.5

433341 2013 RO_{44} 7 13.3 318°.71 0°.7/13.0 18

6 10	19 53.87	−21 21.8	1.249	2.148	16.5	20.6
6 20	19 50.06	−21 48.7	1.170	2.128	12.3	20.3
6 30	19 43.22	−22 23.9	1.110	2.108	7.3	20.0
7 10	19 34.17	−23 2.9	1.073	2.089	1.9	19.6
7 20	19 24.17	−23 40.5	1.059	2.070	4.1	19.7
7 30	19 14.86	−24 12.2	1.069	2.052	9.8	19.9
8 9	19 7.78	−24 35.1	1.099	2.035	15.0	20.2
8 19	19 3.97	−24 49.0	1.148	2.019	19.5	20.4

522931 2016 PW_{111} 7 13.3 302°.26 3°.6/14.8 18

6 10	19 52.77	−10 48.5	1.797	2.657	14.2	21.3
6 20	19 48.28	−10 59.5	1.714	2.645	11.0	21.1
6 30	19 41.71	−11 24.4	1.653	2.633	7.4	20.8
7 10	19 33.72	−12 2.2	1.616	2.621	4.2	20.6
7 20	19 25.18	−12 50.5	1.605	2.610	4.3	20.6
7 30	19 17.14	−13 45.5	1.621	2.598	7.6	20.8
8 9	19 10.57	−14 43.2	1.661	2.587	11.4	21.0
8 19	19 6.19	−15 40.1	1.722	2.576	14.8	21.2

161876 2007 CW_{28} 7 13.3 233°.47 3°.5/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 52.27	− 9 39.0	2.503	3.343	11.3	21.1
6 20	19 47.34	− 9 38.9	2.417	3.335	8.8	20.9
6 30	19 40.90	− 9 48.8	2.355	3.327	6.1	20.7
7 10	19 33.48	−10 8.3	2.320	3.319	3.9	20.6
7 20	19 25.72	−10 36.2	2.312	3.311	3.9	20.6
7 30	19 18.34	−11 10.5	2.332	3.302	6.2	20.7
8 9	19 12.02	−11 48.8	2.378	3.293	9.0	20.9
8 19	19 7.29	−12 28.8	2.448	3.284	11.6	21.0

442590 2012 CV_{8} 7 13.3 218°.60 0°.4/13.1 18

6 10	19 53.75	−22 26.9	2.722	3.587	9.8	22.2
6 20	19 48.35	−22 39.2	2.639	3.580	7.2	22.0
6 30	19 41.46	−22 53.4	2.582	3.574	4.2	21.8
7 10	19 33.62	−23 7.5	2.552	3.567	1.1	21.6
7 20	19 25.47	−23 19.6	2.551	3.560	2.3	21.6
7 30	19 17.75	−23 28.6	2.579	3.553	5.4	21.9
8 9	19 11.12	−23 33.7	2.633	3.545	8.3	22.0
8 19	19 6.10	−23 35.0	2.712	3.537	10.8	22.2

439319 2012 VG_{101} 7 13.3 252°.83 2°.7/14.2 17

6 10	19 54.56	−13 59.5	1.943	2.805	13.2	21.6
6 20	19 49.38	−13 54.3	1.865	2.800	10.0	21.3
6 30	19 42.24	−13 58.1	1.810	2.795	6.5	21.1
7 10	19 33.84	−14 9.9	1.781	2.790	3.2	20.9
7 20	19 25.02	−14 28.2	1.778	2.785	3.6	20.9
7 30	19 16.76	−14 50.9	1.803	2.780	7.1	21.1
8 9	19 9.96	−15 15.7	1.852	2.774	10.6	21.3
8 19	19 5.24	−15 40.8	1.923	2.769	13.8	21.5

398918 2013 CD_{157} 7 13.3 246°.82 3°.6/15.3 18

6 10	19 52.44	− 8 31.6	2.320	3.160	12.1	21.5
6 20	19 47.59	− 8 53.0	2.235	3.152	9.4	21.3
6 30	19 41.12	− 9 27.3	2.172	3.144	6.5	21.1
7 10	19 33.56	−10 13.5	2.136	3.136	4.1	20.9
7 20	19 25.59	−11 9.2	2.128	3.128	4.0	20.9
7 30	19 18.02	−12 11.2	2.147	3.120	6.5	21.0
8 9	19 11.58	−13 16.1	2.193	3.111	9.4	21.2
8 19	19 6.84	−14 20.4	2.263	3.103	12.2	21.4

518862 2010 DY_{68} 7 13.3 160°.19 4°.2/14.8 17

6 10	19 56.02	− 9 54.5	2.003	2.849	13.5	21.8
6 20	19 50.28	− 9 37.6	1.933	2.854	10.5	21.6
6 30	19 42.70	− 9 32.1	1.885	2.858	7.3	21.4
7 10	19 33.94	− 9 37.8	1.862	2.861	4.7	21.2
7 20	19 24.86	− 9 53.7	1.866	2.864	4.7	21.2
7 30	19 16.38	−10 17.8	1.897	2.867	7.4	21.4
8 9	19 9.35	−10 47.4	1.954	2.870	10.6	21.6
8 19	19 4.35	−11 20.1	2.033	2.872	13.5	21.8

171450 2007 RO_{276} 7 13.3 249°.43 11°.3/ 6.2 18

6 10	20 11.88	−56 10.0	2.396	3.182	13.4	20.8
6 20	20 3.34	−57 36.5	2.328	3.164	12.2	20.7
6 30	19 51.09	−58 45.5	2.281	3.145	11.5	20.6
7 10	19 36.16	−59 28.4	2.257	3.127	11.4	20.5
7 20	19 20.23	−59 39.7	2.256	3.107	12.0	20.6
7 30	19 5.35	−59 18.1	2.276	3.087	13.2	20.6
8 9	18 53.31	−58 27.9	2.316	3.067	14.7	20.7
8 19	18 45.18	−57 15.8	2.373	3.046	16.2	20.8

503358 2016 CT 7 13.3 74°.87 2°.2/13.9 17

6 10	19 58.32	−15 30.1	1.226	2.111	17.8	21.6
6 20	19 52.86	−15 43.6	1.174	2.122	13.3	21.4
6 30	19 44.54	−16 10.1	1.141	2.133	8.2	21.1
7 10	19 34.44	−16 46.4	1.131	2.144	3.2	20.8
7 20	19 23.93	−17 27.9	1.145	2.155	4.1	20.9
7 30	19 14.53	−18 10.3	1.183	2.166	9.1	21.3
8 9	19 7.51	−18 49.7	1.243	2.177	13.8	21.6
8 19	19 3.59	−19 24.1	1.323	2.188	17.8	21.8

893 Leopoldina 7 13.3 299°.39 4°.9/15.9 18

6 10	19 51.54	− 5 20.5	2.098	2.933	13.4	14.2
6 20	19 47.14	− 5 36.7	2.008	2.918	10.7	14.0
6 30	19 40.96	− 6 9.4	1.941	2.904	7.9	13.8
7 10	19 33.56	− 6 58.4	1.898	2.889	5.5	13.6
7 20	19 25.68	− 8 1.7	1.881	2.875	5.2	13.6
7 30	19 18.16	− 9 15.5	1.892	2.861	7.4	13.7
8 9	19 11.86	−10 35.4	1.928	2.847	10.5	13.8
8 19	19 7.39	−11 56.6	1.987	2.833	13.4	14.0

230912 2004 TB_{223} 7 13.3 280°.84 5°.4/15.9 18

6 10	19 53.61	− 5 31.8	1.792	2.632	15.1	20.0
6 20	19 48.95	− 5 48.2	1.703	2.618	12.1	19.8
6 30	19 42.16	− 6 23.6	1.636	2.602	8.8	19.5
7 10	19 33.89	− 7 18.1	1.593	2.587	6.0	19.3
7 20	19 24.99	− 8 29.1	1.576	2.572	5.7	19.3
7 30	19 16.52	− 9 52.1	1.585	2.557	8.4	19.4
8 9	19 9.48	−11 21.4	1.619	2.542	11.9	19.6
8 19	19 4.64	−12 51.4	1.675	2.527	15.3	19.8

292217 2006 SB_{48} 7 13.3 309°.49 1°.0/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 53.80	−17 59.8	1.925	2.798	12.8	21.0
6 20	19 48.90	−18 11.8	1.849	2.792	9.5	20.8
6 30	19 42.01	−18 30.5	1.795	2.787	5.8	20.6
7 10	19 33.82	−18 53.8	1.767	2.781	1.8	20.3
7 20	19 25.20	−19 19.2	1.766	2.776	2.9	20.3
7 30	19 17.15	−19 44.2	1.791	2.771	6.9	20.6
8 9	19 10.58	−20 7.0	1.842	2.766	10.6	20.8
8 19	19 6.14	−20 26.5	1.914	2.761	13.8	21.0

383232 2006 BR_{35} 7 13.3 267°.41 1°.7/12.7 18

6 10	19 57.80	−24 50.9	1.831	2.709	13.2	21.2
6 20	19 52.16	−25 18.1	1.744	2.691	9.8	21.0
6 30	19 44.12	−25 47.4	1.679	2.672	5.9	20.7
7 10	19 34.39	−26 14.9	1.640	2.654	2.1	20.4
7 20	19 23.99	−26 36.7	1.627	2.635	3.8	20.5
7 30	19 14.13	−26 50.2	1.642	2.615	8.0	20.7
8 9	19 5.96	−26 54.6	1.681	2.596	12.0	20.9
8 19	19 0.30	−26 51.0	1.741	2.576	15.5	21.1

267026 1996 ED_{7} 7 13.3 253°.65 0°.8/13.5 18

6 10	19 57.48	−18 42.2	1.790	2.661	13.7	21.6
6 20	19 51.87	−18 55.5	1.702	2.646	10.2	21.3
6 30	19 43.93	−19 15.6	1.638	2.630	6.2	21.1
7 10	19 34.35	−19 40.1	1.599	2.614	1.8	20.7
7 20	19 24.12	−20 6.0	1.587	2.597	3.1	20.8
7 30	19 14.42	−20 30.6	1.602	2.580	7.6	21.0
8 9	19 6.36	−20 51.9	1.641	2.563	11.8	21.2
8 19	19 0.74	−21 9.1	1.702	2.545	15.5	21.4

476893 2008 WB_{10} 7 13.3 303°.73 1°.2/12.8 17

6 10	19 55.55	−22 58.4	1.699	2.582	13.7	21.4
6 20	19 50.52	−23 28.3	1.624	2.574	10.1	21.2
6 30	19 43.12	−24 2.2	1.571	2.566	6.0	20.9
7 10	19 34.14	−24 36.2	1.544	2.559	1.8	20.6
7 20	19 24.61	−25 6.3	1.543	2.552	3.5	20.7
7 30	19 15.75	−25 29.5	1.568	2.545	7.9	21.0
8 9	19 8.65	−25 44.7	1.616	2.538	12.0	21.2
8 19	19 4.08	−25 51.9	1.686	2.531	15.5	21.4

335171 2004 YK_{3} 7 13.3 240°.84 1°.5/13.9 18

6 10	19 55.94	−15 36.8	2.271	3.127	11.8	22.1
6 20	19 50.31	−15 54.4	2.177	3.110	8.9	21.9
6 30	19 42.82	−16 20.0	2.107	3.093	5.5	21.6
7 10	19 34.06	−16 51.6	2.063	3.075	2.2	21.4
7 20	19 24.77	−17 27.1	2.048	3.057	2.8	21.4
7 30	19 15.86	−18 3.7	2.062	3.038	6.4	21.6
8 9	19 8.17	−18 39.3	2.101	3.018	9.9	21.8
8 19	19 2.36	−19 12.2	2.165	2.998	12.9	21.9

122923 2000 SV_{174} 7 13.3 231°.55 1°.8/12.8 18

6 10	19 59.40	−26 35.5	1.934	2.807	12.8	20.4
6 20	19 53.07	−26 41.9	1.855	2.800	9.4	20.2
6 30	19 44.50	−26 47.2	1.800	2.792	5.7	20.0
7 10	19 34.48	−26 47.9	1.771	2.784	2.2	19.7
7 20	19 24.01	−26 41.8	1.770	2.776	3.6	19.8
7 30	19 14.25	−26 27.8	1.795	2.768	7.5	20.0
8 9	19 6.22	−26 6.8	1.846	2.759	11.2	20.2
8 19	19 0.62	−25 40.5	1.919	2.750	14.4	20.4

13842 1999 XR_{33} 7 13.3 273°.48 1°.6/12.9 18

6 10	19 58.34	−26 14.9	1.941	2.816	12.7	17.5
6 20	19 52.36	−26 15.1	1.855	2.801	9.4	17.3
6 30	19 44.12	−26 14.1	1.793	2.786	5.6	17.0
7 10	19 34.39	−26 9.0	1.757	2.770	2.0	16.8
7 20	19 24.16	−25 57.6	1.748	2.755	3.5	16.8
7 30	19 14.55	−25 39.0	1.766	2.740	7.5	17.1
8 9	19 6.63	−25 14.1	1.809	2.724	11.3	17.3
8 19	19 1.09	−24 44.5	1.874	2.708	14.6	17.4

275369 2011 AX_{48} 7 13.3 303°.05 0°.1/13.3 17

6 10	19 57.17	−21 56.9	1.434	2.322	15.5	20.8
6 20	19 52.09	−21 54.1	1.355	2.308	11.5	20.5
6 30	19 44.23	−21 55.0	1.298	2.294	6.9	20.2
7 10	19 34.46	−21 56.6	1.265	2.280	1.7	19.8
7 20	19 24.00	−21 56.4	1.256	2.267	3.6	19.9
7 30	19 14.31	−21 52.6	1.272	2.254	8.8	20.2
8 9	19 6.70	−21 44.9	1.311	2.241	13.5	20.4
8 19	19 2.05	−21 33.7	1.370	2.229	17.6	20.6

166913 2003 BG_{78} 7 13.3 233°.88 4°.0/13.3 18

6 10	20 13.74	−32 55.1	1.175	2.054	18.8	19.9
6 20	20 4.87	−32 18.0	1.103	2.047	14.3	19.6
6 30	19 51.94	−31 26.3	1.051	2.040	9.2	19.3
7 10	19 36.38	−30 14.5	1.022	2.033	4.5	19.0
7 20	19 20.28	−28 41.5	1.019	2.024	5.9	19.0
7 30	19 5.91	−26 52.8	1.041	2.016	11.2	19.3
8 9	18 55.03	−24 57.9	1.086	2.007	16.5	19.6
8 19	18 48.48	−23 5.8	1.150	1.998	21.0	19.8

187699 2008 EF_1 7 13.3 66°.64 2°.3/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 58.99	−25 5.0	1.411	2.300	15.7	20.0
6 20	19 53.18	−25 41.8	1.361	2.314	11.5	19.8
6 30	19 44.68	−26 20.3	1.333	2.327	6.8	19.6
7 10	19 34.52	−26 55.0	1.328	2.341	2.6	19.3
7 20	19 24.04	−27 21.0	1.348	2.355	4.4	19.5
7 30	19 14.68	−27 36.0	1.394	2.369	8.9	19.8
8 9	19 7.60	−27 40.0	1.462	2.384	13.0	20.1
8 19	19 3.48	−27 34.8	1.551	2.398	16.5	20.3

92219 2000 AA_{26} 7 13.3 271°.17 0°.3/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 53.64	−21 39.0	2.475	3.343	10.5	20.2
6 20	19 48.51	−21 54.7	2.383	3.326	7.7	19.9
6 30	19 41.71	−22 13.5	2.316	3.308	4.6	19.7
7 10	19 33.79	−22 33.1	2.276	3.291	1.2	19.4
7 20	19 25.43	−22 51.5	2.264	3.273	2.4	19.5
7 30	19 17.47	−23 6.8	2.280	3.255	5.9	19.7
8 9	19 10.65	−23 18.1	2.322	3.237	9.1	19.9
8 19	19 5.58	−23 25.0	2.388	3.219	11.9	20.1

282539 2004 RC_{316} 7 13.3 234°.02 2°.1/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 52.48	−14 22.6	2.600	3.453	10.5	20.9
6 20	19 47.47	−14 20.0	2.516	3.446	8.0	20.8
6 30	19 41.00	−14 24.1	2.457	3.440	5.1	20.6
7 10	19 33.59	−14 33.9	2.424	3.433	2.5	20.4
7 20	19 25.88	−14 48.2	2.420	3.426	2.9	20.4
7 30	19 18.56	−15 5.6	2.444	3.419	5.6	20.6
8 9	19 12.30	−15 24.5	2.494	3.411	8.5	20.7
8 19	19 7.61	−15 43.7	2.569	3.404	11.1	20.9

372861 2010 VE_{182} 7 13.3 66°.33 4°.0/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 58.72	−27 47.7	1.448	2.337	15.3	20.3
6 20	19 53.20	−28 52.4	1.390	2.341	11.4	20.1
6 30	19 44.84	−29 57.6	1.354	2.346	7.1	19.8
7 10	19 34.61	−30 56.1	1.343	2.351	4.1	19.7
7 20	19 23.84	−31 41.4	1.356	2.356	5.7	19.8
7 30	19 14.05	−32 9.8	1.394	2.362	9.8	20.0
8 9	19 6.53	−32 21.5	1.455	2.367	13.7	20.3
8 19	19 2.09	−32 19.1	1.536	2.372	17.2	20.5

176378 2001 TH_{237} 7 13.3 267°.65 0°.3/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 54.81	−20 44.9	2.276	3.144	11.3	20.6
6 20	19 49.57	−21 14.4	2.181	3.124	8.4	20.3
6 30	19 42.44	−21 48.9	2.110	3.103	5.0	20.1
7 10	19 34.00	−22 25.7	2.066	3.082	1.2	19.8
7 20	19 25.01	−23 1.6	2.051	3.060	2.7	19.9
7 30	19 16.38	−23 34.1	2.063	3.038	6.4	20.1
8 9	19 8.98	−24 1.3	2.101	3.016	9.9	20.3
8 19	19 3.50	−24 22.6	2.162	2.994	13.0	20.4

485653 2011 WU_{43} 7 13.3 257°.66 0°.4/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 54.21	−19 20.8	2.378	3.243	11.0	21.8
6 20	19 48.98	−19 38.3	2.287	3.227	8.1	21.6
6 30	19 42.02	−20 0.7	2.220	3.211	4.9	21.4
7 10	19 33.88	−20 25.9	2.180	3.194	1.3	21.1
7 20	19 25.29	−20 51.6	2.168	3.178	2.4	21.2
7 30	19 17.08	−21 15.8	2.184	3.161	6.0	21.4
8 9	19 10.06	−21 36.8	2.227	3.144	9.4	21.5
8 19	19 4.84	−21 54.1	2.293	3.126	12.3	21.7

278759 2008 SL_{122} 7 13.3 345°.39 0°.5/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 54.55	−20 3.9	1.450	2.339	15.3	20.5
6 20	19 49.99	−20 9.4	1.381	2.333	11.3	20.2
6 30	19 42.90	−20 21.1	1.333	2.329	6.8	20.0
7 10	19 34.12	−20 36.3	1.309	2.324	1.8	19.6
7 20	19 24.82	−20 52.0	1.310	2.321	3.4	19.7
7 30	19 16.32	−21 5.7	1.335	2.318	8.3	20.0
8 9	19 9.81	−21 15.9	1.383	2.315	12.8	20.3
8 19	19 6.03	−21 22.1	1.451	2.314	16.6	20.5

148401 2000 UF_{82} 7 13.3 240°.67 4°.5/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 57.12	−34 33.8	2.357	3.223	11.0	19.9
6 20	19 51.25	−35 15.3	2.283	3.217	8.5	19.7
6 30	19 43.38	−35 51.6	2.234	3.211	6.0	19.5
7 10	19 34.21	−36 18.4	2.211	3.205	4.6	19.4
7 20	19 24.65	−36 32.2	2.215	3.199	5.5	19.5
7 30	19 15.68	−36 31.8	2.246	3.193	7.9	19.6
8 9	19 8.23	−36 18.1	2.302	3.186	10.5	19.8
8 19	19 2.92	−35 53.3	2.380	3.180	12.9	20.0

509308 2006 VU_{173} 7 13.3 217°.01 3°.1/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 55.63	−28 52.9	2.288	3.160	11.1	22.2
6 20	19 50.14	−29 43.9	2.215	3.157	8.2	22.0
6 30	19 42.73	−30 34.1	2.166	3.154	5.2	21.8
7 10	19 34.06	−31 19.3	2.144	3.151	3.1	21.7
7 20	19 24.97	−31 55.5	2.151	3.148	4.3	21.7
7 30	19 16.40	−32 20.6	2.184	3.144	7.2	21.9
8 9	19 9.25	−32 34.0	2.243	3.141	10.2	22.1
8 19	19 4.13	−32 36.9	2.324	3.137	12.8	22.3

489671 2007 UO_{141} 7 13.3 258°.09 3°.1/14.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 55.38	−12 47.9	2.308	3.157	11.9	23.4
6 20	19 49.86	−12 32.1	2.211	3.136	9.1	23.2
6 30	19 42.55	−12 24.0	2.136	3.115	6.1	23.0
7 10	19 34.03	−12 23.3	2.089	3.094	3.5	22.8
7 20	19 25.01	−12 29.4	2.069	3.072	3.7	22.8
7 30	19 16.35	−12 41.0	2.077	3.049	6.7	22.9
8 9	19 8.87	−12 56.6	2.112	3.026	9.9	23.1
8 19	19 3.20	−13 14.6	2.169	3.003	12.9	23.2

83996 2002 NP_{18} 7 13.3 299°.63 2°.8/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 56.13	−15 55.1	1.399	2.281	16.2	19.3
6 20	19 51.55	−15 40.1	1.306	2.252	12.4	19.0
6 30	19 44.11	−15 34.5	1.233	2.223	8.0	18.7
7 10	19 34.52	−15 37.7	1.183	2.195	3.6	18.3
7 20	19 23.92	−15 48.1	1.157	2.166	4.4	18.3
7 30	19 13.78	−16 3.7	1.156	2.137	9.4	18.5
8 9	19 5.56	−16 22.0	1.176	2.109	14.5	18.7
8 19	19 0.31	−16 41.0	1.216	2.081	19.0	18.9

241731 2000 VL_{58} 7 13.3 232°.28 5°.5/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 53.18	− 4 1.5	2.660	3.472	11.5	20.3
6 20	19 47.94	− 3 23.1	2.572	3.463	9.4	20.2
6 30	19 41.28	− 2 55.6	2.508	3.453	7.3	20.0
7 10	19 33.69	− 2 40.3	2.469	3.442	5.8	19.9
7 20	19 25.77	− 2 37.6	2.457	3.431	5.7	19.9
7 30	19 18.21	− 2 46.7	2.473	3.420	7.2	20.0
8 9	19 11.64	− 3 5.8	2.515	3.409	9.4	20.1
8 19	19 6.57	− 3 32.6	2.580	3.397	11.6	20.2

180357 2003 YM_{84} 7 13.3 212°.52 0°.1/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 58.40	−19 19.9	1.827	2.697	13.6	20.6
6 20	19 52.48	−19 53.4	1.748	2.691	10.0	20.4
6 30	19 44.26	−20 34.1	1.692	2.685	6.0	20.2
7 10	19 34.48	−21 18.5	1.662	2.678	1.5	19.8
7 20	19 24.13	−22 2.4	1.660	2.670	3.0	19.9
7 30	19 14.37	−22 42.3	1.685	2.662	7.5	20.2
8 9	19 6.26	−23 16.0	1.735	2.653	11.5	20.4
8 19	19 0.58	−23 42.8	1.806	2.644	15.0	20.6

12563 1998 SA_{43} 7 13.3 278°.56 0°.3/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 55.10	−19 52.7	1.882	2.757	13.0	17.2
6 20	19 49.98	−20 9.6	1.803	2.748	9.6	17.0
6 30	19 42.74	−20 32.1	1.746	2.739	5.7	16.8
7 10	19 34.10	−20 57.6	1.715	2.730	1.5	16.5
7 20	19 24.96	−21 23.1	1.711	2.721	2.9	16.5
7 30	19 16.38	−21 46.2	1.734	2.712	7.1	16.8
8 9	19 9.36	−22 5.1	1.781	2.704	11.0	17.0
8 19	19 4.58	−22 19.3	1.850	2.695	14.3	17.2

346001 2007 TG_{202} 7 13.3 260°.73 0°.8/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 54.80	−18 30.6	2.011	2.880	12.5	21.7
6 20	19 49.62	−18 44.0	1.930	2.872	9.3	21.4
6 30	19 42.47	−19 3.5	1.873	2.864	5.6	21.2
7 10	19 34.02	−19 27.0	1.842	2.856	1.7	20.9
7 20	19 25.12	−19 51.9	1.838	2.848	2.8	21.0
7 30	19 16.75	−20 15.8	1.861	2.840	6.7	21.2
8 9	19 9.81	−20 37.1	1.909	2.831	10.4	21.4
8 19	19 4.96	−20 54.8	1.980	2.823	13.6	21.6

28037 Williammonts 7 13.3 186°.04 0°.1/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 59.30	−20 11.4	1.703	2.576	14.2	19.4
6 20	19 53.18	−20 31.1	1.632	2.576	10.5	19.2
6 30	19 44.66	−20 56.5	1.583	2.576	6.2	18.9
7 10	19 34.58	−21 24.3	1.560	2.575	1.6	18.6
7 20	19 24.01	−21 51.0	1.564	2.574	3.2	18.7
7 30	19 14.18	−22 13.8	1.594	2.572	7.7	19.0
8 9	19 6.20	−22 31.4	1.649	2.569	11.8	19.3
8 19	19 0.79	−22 43.4	1.725	2.567	15.4	19.5

67348 2000 JP_{65} 7 13.3 143°.81 6°.9/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 53.15	− 0 29.3	2.234	3.040	13.6	19.2
6 20	19 48.07	− 0 6.2	2.163	3.044	11.3	19.1
6 30	19 41.40	+ 0 0.4	2.114	3.049	9.0	19.0
7 10	19 33.73	− 0 10.6	2.089	3.054	7.3	18.9
7 20	19 25.76	− 0 38.6	2.090	3.058	7.0	18.8
7 30	19 18.29	− 1 21.6	2.117	3.062	8.3	18.9
8 9	19 12.04	− 2 15.9	2.168	3.066	10.5	19.1
8 19	19 7.52	− 3 17.3	2.243	3.069	12.8	19.2

380288 2002 BC_{31} 7 13.3 177°.41 3°.0/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 55.77	−11 47.2	2.117	2.966	12.8	21.6
6 20	19 50.12	−11 56.0	2.042	2.968	9.8	21.4
6 30	19 42.67	−12 15.3	1.990	2.969	6.4	21.2
7 10	19 34.06	−12 44.0	1.964	2.970	3.5	21.1
7 20	19 25.08	−13 19.8	1.966	2.970	3.7	21.1
7 30	19 16.63	−14 0.2	1.995	2.970	6.7	21.3
8 9	19 9.53	−14 42.2	2.051	2.969	10.0	21.5
8 19	19 4.38	−15 23.5	2.130	2.968	13.0	21.7

184499 2005 PZ_2 7 13.3 314.°72 1.°7/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 53.86	−16 56.8	1.336	2.225	16.3	19.2
6 20	19 49.86	−17 6.2	1.254	2.206	12.3	18.9
6 30	19 43.06	−17 26.8	1.193	2.187	7.6	18.6
7 10	19 34.25	−17 56.5	1.154	2.168	2.7	18.3
7 20	19 24.58	−18 31.8	1.139	2.150	3.9	18.3
7 30	19 15.54	−19 8.6	1.148	2.133	9.1	18.6
8 9	19 8.51	−19 43.5	1.179	2.116	14.1	18.8
8 19	19 4.47	−20 14.2	1.229	2.100	18.5	19.0

509069 2005 TN_{139} 7 13.3 178.°36 0.°1/13.3 18

6 10	19 53.80	−20 29.7	2.652	3.515	10.1	22.4
6 20	19 48.43	−20 48.2	2.577	3.516	7.4	22.2
6 30	19 41.57	−21 10.0	2.526	3.517	4.3	22.0
7 10	19 33.78	−21 33.1	2.502	3.517	1.1	21.8
7 20	19 25.71	−21 55.4	2.508	3.518	2.2	21.9
7 30	19 18.08	−22 15.3	2.542	3.517	5.4	22.1
8 9	19 11.57	−22 31.8	2.603	3.517	8.3	22.3
8 19	19 6.67	−22 44.3	2.688	3.516	10.9	22.5

118007 1256 $T\text{-}_2$ 7 13.3 277.°47 3.°9/14.4 18

6 10	19 56.11	−12 32.9	1.534	2.402	15.8	19.9
6 20	19 51.08	−12 18.6	1.454	2.390	12.2	19.6
6 30	19 43.58	−12 16.5	1.395	2.378	8.1	19.4
7 10	19 34.35	−12 26.3	1.359	2.366	4.5	19.1
7 20	19 24.48	−12 46.7	1.349	2.354	4.8	19.1
7 30	19 15.22	−13 14.9	1.364	2.342	8.7	19.3
8 9	19 7.77	−13 47.9	1.402	2.329	13.0	19.5
8 19	19 2.95	−14 22.6	1.460	2.317	16.8	19.7

233419 2006 GZ_{52} 7 13.3 65.°23 6.°4/10.9 17

6 10	20 0.02	−35 44.6	1.687	2.563	14.2	20.2
6 20	19 53.92	−36 51.2	1.638	2.576	11.0	20.0
6 30	19 45.15	−37 49.9	1.612	2.588	8.0	19.9
7 10	19 34.72	−38 33.6	1.611	2.601	6.5	19.8
7 20	19 23.92	−38 57.3	1.635	2.614	7.5	19.9
7 30	19 14.17	−38 59.8	1.683	2.627	10.2	20.1
8 9	19 6.67	−38 43.4	1.754	2.640	13.2	20.3
8 19	19 2.09	−38 12.3	1.845	2.653	15.9	20.5

137641 1999 WE_{13} 7 13.3 324.°07 2.°2/13.8 18

6 10	19 55.16	−17 23.1	1.259	2.150	17.0	19.8
6 20	19 50.83	−17 8.9	1.186	2.138	12.8	19.5
6 30	19 43.61	−17 3.5	1.133	2.126	8.0	19.2
7 10	19 34.40	−17 5.8	1.102	2.115	3.1	18.9
7 20	19 24.47	−17 13.7	1.095	2.105	4.2	18.9
7 30	19 15.35	−17 24.7	1.111	2.095	9.4	19.2
8 9	19 8.43	−17 36.9	1.149	2.086	14.3	19.4
8 19	19 4.60	−17 48.6	1.205	2.078	18.6	19.6

96947 1999 TD_{167} 7 13.3 82.°72 4.°1/14.6 18

6 10	19 55.85	−11 27.1	1.782	2.639	14.4	19.4
6 20	19 50.35	−11 1.8	1.718	2.647	11.1	19.2
6 30	19 42.86	−10 47.6	1.677	2.655	7.6	19.0
7 10	19 34.13	−10 44.3	1.661	2.663	4.6	18.8
7 20	19 25.11	−10 51.2	1.670	2.671	4.8	18.9
7 30	19 16.82	−11 6.4	1.706	2.679	7.8	19.1
8 9	19 10.14	−11 27.5	1.767	2.687	11.2	19.3
8 19	19 5.69	−11 51.8	1.849	2.695	14.3	19.5

147764 2005 QN_{32} 7 13.3 359.°45 0.°7/13.5 18

6 10	19 51.90	−18 50.3	1.550	2.438	14.6	19.6
6 20	19 47.90	−19 6.8	1.484	2.435	10.8	19.4
6 30	19 41.63	−19 31.1	1.439	2.434	6.4	19.1
7 10	19 33.87	−20 0.3	1.418	2.433	1.8	18.8
7 20	19 25.66	−20 31.1	1.422	2.433	3.2	18.9
7 30	19 18.18	−21 0.2	1.451	2.434	7.7	19.2
8 9	19 12.48	−21 25.4	1.504	2.436	11.9	19.4
8 19	19 9.24	−21 45.4	1.577	2.439	15.5	19.7

126073 2001 YZ_{84} 7 13.3 195.°64 0.°5/13.2 18

6 10	19 59.29	−23 42.9	1.718	2.595	13.9	19.6
6 20	19 53.11	−23 32.2	1.648	2.595	10.3	19.4
6 30	19 44.59	−23 22.0	1.601	2.595	6.1	19.2
7 10	19 34.60	−23 10.0	1.579	2.594	1.6	18.9
7 20	19 24.24	−22 54.5	1.584	2.594	3.2	19.0
7 30	19 14.73	−22 35.0	1.616	2.594	7.6	19.3
8 9	19 7.11	−22 12.3	1.672	2.593	11.6	19.5
8 19	19 2.05	−21 47.5	1.749	2.593	15.1	19.7

501538 2014 HM_{168} 7 13.3 324.°03 9.°5/ 7.2 18

6 10	20 0.03	−44 56.6	2.022	2.872	13.2	20.4
6 20	19 54.34	−46 47.9	1.962	2.866	11.3	20.2
6 30	19 45.71	−48 28.0	1.926	2.859	9.9	20.1
7 10	19 34.97	−49 48.1	1.914	2.853	9.6	20.1
7 20	19 23.35	−50 41.7	1.927	2.847	10.5	20.2
7 30	19 12.42	−51 6.4	1.962	2.842	12.3	20.3
8 9	19 3.63	−51 4.2	2.019	2.836	14.4	20.4
8 19	18 57.93	−50 39.9	2.093	2.831	16.4	20.5

395092 2009 KM_{10} 7 13.3 42.°98 0.°4/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 54.16	−21 3.4	1.844	2.723	13.0	20.4
6 20	19 49.18	−21 32.7	1.786	2.734	9.5	20.2
6 30	19 42.21	−22 6.8	1.750	2.744	5.6	20.0
7 10	19 34.00	−22 42.1	1.740	2.755	1.4	19.7
7 20	19 25.48	−23 15.3	1.757	2.767	2.9	19.8
7 30	19 17.69	−23 43.7	1.800	2.778	7.0	20.1
8 9	19 11.52	−24 5.8	1.868	2.790	10.6	20.4
8 19	19 7.55	−24 21.4	1.958	2.803	13.7	20.6

184876 2005 UY_{178} 7 13.3 8.°15 2.°3/12.3 18

6 10	19 53.54	−25 28.7	1.813	2.698	12.9	19.8
6 20	19 48.92	−26 12.5	1.748	2.699	9.5	19.6
6 30	19 42.15	−26 58.1	1.707	2.701	5.7	19.4
7 10	19 34.00	−27 41.1	1.691	2.703	2.5	19.2
7 20	19 25.44	−28 17.2	1.700	2.706	4.0	19.3
7 30	19 17.56	−28 43.7	1.736	2.709	7.7	19.5
8 9	19 11.35	−28 59.7	1.796	2.713	11.3	19.7
8 19	19 7.47	−29 5.8	1.878	2.717	14.4	20.0

142591 2002 TG_{108} 7 13.3 247.°44 4.°7/11.6 18

6 10	20 0.09	−35 21.3	2.324	3.185	11.3	19.8
6 20	19 53.53	−35 51.4	2.240	3.171	8.8	19.7
6 30	19 44.82	−36 15.2	2.180	3.156	6.2	19.5
7 10	19 34.68	−36 28.3	2.147	3.141	4.7	19.3
7 20	19 24.07	−36 27.4	2.141	3.125	5.6	19.4
7 30	19 14.07	−36 11.5	2.163	3.110	8.1	19.5
8 9	19 5.68	−35 42.0	2.209	3.093	10.9	19.7
8 19	18 59.59	−35 1.9	2.278	3.077	13.5	19.8

193472 2000 XH_{22} 7 13.3 316.°10 10.°7/ 7.9 18

6 10	19 58.47	−40 29.2	1.385	2.268	16.3	19.4
6 20	19 54.28	−42 16.7	1.302	2.235	13.6	19.1
6 30	19 46.29	−43 58.0	1.240	2.203	11.4	18.9
7 10	19 35.24	−45 20.8	1.200	2.171	10.7	18.8
7 20	19 22.65	−46 14.0	1.181	2.139	12.3	18.7
7 30	19 10.66	−46 31.4	1.184	2.108	15.3	18.8
8 9	19 1.38	−46 14.3	1.206	2.078	18.8	19.0
8 19	18 56.25	−45 28.9	1.243	2.049	22.1	19.1

264869 2002 RN_{206} 7 13.3 276.°50 1.°2/13.7 18

6 10	19 57.43	−18 12.7	1.600	2.476	14.8	20.7
6 20	19 52.15	−18 16.1	1.511	2.456	11.1	20.4
6 30	19 44.30	−18 27.0	1.444	2.436	6.8	20.1
7 10	19 34.61	−18 43.3	1.402	2.416	2.2	19.8
7 20	19 24.14	−19 2.3	1.385	2.396	3.5	19.8
7 30	19 14.21	−19 21.4	1.395	2.375	8.3	20.1
8 9	19 6.07	−19 38.7	1.428	2.354	12.9	20.3
8 19	19 0.62	−19 53.0	1.481	2.334	16.9	20.5

512580 2016 SL_{39} 7 13.3 173.°05 1.°0/13.7 17

6 10	19 54.71	−17 53.9	2.149	3.014	12.0	22.1
6 20	19 49.38	−18 4.3	2.075	3.015	8.9	21.9
6 30	19 42.27	−18 20.5	2.026	3.016	5.4	21.7
7 10	19 34.03	−18 40.7	2.003	3.016	1.8	21.4
7 20	19 25.44	−19 2.6	2.007	3.017	2.6	21.5
7 30	19 17.41	−19 24.2	2.039	3.017	6.3	21.7
8 9	19 10.74	−19 43.9	2.097	3.017	9.7	21.9
8 19	19 6.00	−20 0.8	2.178	3.017	12.7	22.1

102398 1999 TZ_{168} 7 13.3 120.°52 3.°9/14.4 18

6 10	19 57.84	−12 44.7	1.541	2.407	15.8	20.0
6 20	19 52.14	−12 23.4	1.477	2.412	12.1	19.8
6 30	19 44.07	−12 13.7	1.434	2.416	8.0	19.6
7 10	19 34.50	−12 15.2	1.415	2.421	4.5	19.4
7 20	19 24.52	−12 26.5	1.421	2.425	4.8	19.4
7 30	19 15.38	−12 45.4	1.453	2.430	8.5	19.6
8 9	19 8.14	−13 9.2	1.509	2.434	12.4	19.9
8 19	19 3.48	−13 35.1	1.585	2.438	15.9	20.1

218174 2002 SO_{67} 7 13.3 283.°26 1.°0/13.7 17

6 10	19 55.91	−16 45.0	1.506	2.385	15.4	20.6
6 20	19 51.14	−17 20.1	1.425	2.371	11.5	20.4
6 30	19 43.74	−18 7.5	1.365	2.357	7.0	20.1
7 10	19 34.48	−19 3.6	1.329	2.343	2.2	19.7
7 20	19 24.44	−20 3.7	1.318	2.329	3.4	19.8
7 30	19 14.97	−21 2.5	1.334	2.315	8.5	20.0
8 9	19 7.35	−21 56.0	1.372	2.301	13.1	20.3
8 19	19 2.49	−22 41.7	1.431	2.287	17.2	20.5

403896 2011 WR_{153} 7 13.3 201.°14 3.°3/14.9 18

6 10	19 52.68	− 9 48.0	2.603	3.441	11.0	21.9
6 20	19 47.64	− 9 50.4	2.521	3.438	8.5	21.8
6 30	19 41.15	−10 2.5	2.463	3.435	5.9	21.6
7 10	19 33.74	−10 23.7	2.432	3.431	3.7	21.5
7 20	19 26.03	−10 52.6	2.428	3.427	3.7	21.4
7 30	19 18.70	−11 27.3	2.453	3.423	5.9	21.6
8 9	19 12.41	−12 5.4	2.505	3.419	8.6	21.8
8 19	19 7.65	−12 44.8	2.580	3.414	11.1	21.9

294426 2007 VH_{234} 7 13.3 6°.33 0°.3/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 55.05	−20 20.8	1.866	2.742	13.0	21.1
6 20	19 49.88	−20 30.5	1.797	2.742	9.6	20.9
6 30	19 42.67	−20 44.7	1.750	2.743	5.7	20.7
7 10	19 34.15	−21 1.2	1.728	2.743	1.5	20.4
7 20	19 25.25	−21 17.3	1.733	2.744	2.8	20.5
7 30	19 17.01	−21 31.1	1.765	2.744	7.0	20.7
8 9	19 10.37	−21 41.4	1.822	2.745	10.7	21.0
8 19	19 5.96	−21 47.8	1.900	2.746	14.0	21.2

441164 2007 TK_{278} 7 13.3 275°.52 0°.8/13.6 18

6 10	19 55.63	−18 55.7	1.984	2.854	12.6	21.7
6 20	19 50.37	−19 0.1	1.894	2.836	9.4	21.5
6 30	19 43.03	−19 9.9	1.826	2.817	5.7	21.2
7 10	19 34.27	−19 23.3	1.785	2.799	1.7	20.9
7 20	19 24.94	−19 38.1	1.770	2.780	2.9	21.0
7 30	19 16.08	−19 52.3	1.783	2.761	7.0	21.2
8 9	19 8.65	−20 4.6	1.821	2.742	10.8	21.4
8 19	19 3.38	−20 14.2	1.881	2.723	14.2	21.6

153035 2000 PR_{18} 7 13.3 351°.59 2°.8/12.6 17

6 10	19 54.47	−26 27.4	1.221	2.124	16.5	19.3
6 20	19 50.47	−26 49.6	1.158	2.118	12.3	19.0
6 30	19 43.44	−27 12.4	1.115	2.112	7.5	18.7
7 10	19 34.40	−27 30.5	1.094	2.108	3.1	18.4
7 20	19 24.75	−27 39.5	1.097	2.104	5.0	18.5
7 30	19 16.12	−27 36.8	1.122	2.102	9.9	18.8
8 9	19 9.91	−27 23.1	1.168	2.101	14.6	19.1
8 19	19 6.95	−27 0.5	1.233	2.101	18.6	19.3

373759 2002 TS_{200} 7 13.3 351°.76 13°.7/16.3 17

6 10	19 48.94	+ 0 33.4	1.043	1.904	22.0	19.7
6 20	19 46.42	+ 2 18.4	0.984	1.895	19.0	19.4
6 30	19 41.08	+ 3 36.6	0.942	1.887	16.1	19.2
7 10	19 33.82	+ 4 19.9	0.917	1.880	14.1	19.1
7 20	19 25.89	+ 4 23.9	0.910	1.876	13.9	19.1
7 30	19 18.79	+ 3 49.5	0.922	1.873	15.5	19.1
8 9	19 13.90	+ 2 43.8	0.952	1.872	18.3	19.3
8 19	19 12.08	+ 1 17.0	0.997	1.873	21.4	19.5

414091 2007 TA_{199} 7 13.3 181°.61 0°.5/13.5 17

6 10	20 0.19	−19 40.1	1.783	2.651	13.9	22.3
6 20	19 53.75	−19 51.1	1.711	2.652	10.3	22.0
6 30	19 45.00	−20 7.4	1.661	2.653	6.1	21.8
7 10	19 34.76	−20 26.3	1.638	2.653	1.7	21.5
7 20	19 24.07	−20 44.9	1.642	2.652	3.0	21.6
7 30	19 14.12	−21 0.9	1.673	2.651	7.5	21.9
8 9	19 5.95	−21 13.2	1.730	2.649	11.5	22.1
8 19	19 0.26	−21 21.5	1.808	2.646	14.9	22.3

304373 2006 SZ_{376} 7 13.3 350°.83 4°.1/11.3 18

6 10	19 56.14	−30 20.1	1.954	2.832	12.4	20.1
6 20	19 50.86	−31 23.5	1.887	2.832	9.3	19.9
6 30	19 43.35	−32 25.3	1.844	2.831	6.2	19.7
7 10	19 34.36	−33 20.0	1.827	2.830	4.2	19.5
7 20	19 24.88	−34 2.6	1.837	2.830	5.4	19.6
7 30	19 16.04	−34 30.3	1.872	2.829	8.5	19.8
8 9	19 8.89	−34 42.9	1.932	2.829	11.6	20.0
8 19	19 4.14	−34 42.4	2.013	2.829	14.4	20.2

476082 2007 TK_{44} 7 13.3 268°.37 3°.8/11.8 18

6 10	19 59.09	−31 19.3	2.231	3.099	11.5	22.0
6 20	19 52.98	−31 56.8	2.135	3.074	8.7	21.8
6 30	19 44.64	−32 31.9	2.063	3.048	5.8	21.6
7 10	19 34.72	−32 59.8	2.018	3.021	3.8	21.4
7 20	19 24.13	−33 16.6	2.000	2.994	4.9	21.4
7 30	19 13.97	−33 20.3	2.010	2.967	8.0	21.5
8 9	19 5.31	−33 11.0	2.045	2.939	11.2	21.7
8 19	18 58.92	−32 50.8	2.102	2.911	14.1	21.8

21431 Amberhess 7 13.3 19°.09 4°.0/14.1 18

6 10	19 56.41	−14 52.7	1.197	2.084	17.9	18.1
6 20	19 51.59	−14 13.4	1.140	2.088	13.7	17.9
6 30	19 43.94	−13 45.1	1.103	2.092	8.9	17.6
7 10	19 34.52	−13 28.0	1.087	2.097	4.7	17.4
7 20	19 24.66	−13 21.5	1.095	2.102	5.2	17.4
7 30	19 15.88	−13 24.2	1.126	2.108	9.6	17.7
8 9	19 9.41	−13 33.3	1.179	2.115	14.2	18.0
8 19	19 5.99	−13 46.4	1.251	2.122	18.1	18.3

346108 2007 VG_{85} 7 13.3 197°.80 0°.2/13.4 18

6 10	19 56.51	−20 50.1	2.446	3.308	10.8	21.7
6 20	19 50.55	−20 52.0	2.366	3.305	8.0	21.5
6 30	19 42.92	−20 56.6	2.311	3.302	4.7	21.3
7 10	19 34.23	−21 2.0	2.283	3.298	1.2	21.1
7 20	19 25.22	−21 6.6	2.284	3.294	2.4	21.1
7 30	19 16.72	−21 9.4	2.313	3.289	5.8	21.4
8 9	19 9.48	−21 9.7	2.369	3.284	9.0	21.6
8 19	19 4.04	−21 7.5	2.449	3.278	11.8	21.7

344977 2004 XY_{108} 7 13.3 299°.00 0°.1/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 57.58	−22 42.3	1.636	2.517	14.3	20.4
6 20	19 52.23	−22 30.8	1.548	2.497	10.6	20.1
6 30	19 44.33	−22 20.9	1.482	2.477	6.4	19.8
7 10	19 34.66	−22 10.2	1.441	2.456	1.6	19.5
7 20	19 24.30	−21 56.8	1.426	2.436	3.3	19.5
7 30	19 14.58	−21 40.0	1.437	2.417	8.2	19.8
8 9	19 6.70	−21 20.0	1.471	2.397	12.6	20.0
8 19	19 1.50	−20 57.7	1.526	2.378	16.5	20.2

508392 2016 GQ_{98} 7 13.3 3°.75 1°.4/12.9 17

6 10	19 55.15	−22 1.0	1.155	2.057	17.4	20.7
6 20	19 51.03	−22 43.5	1.097	2.056	12.8	20.4
6 30	19 43.82	−23 33.7	1.058	2.056	7.6	20.1
7 10	19 34.55	−24 25.6	1.042	2.057	2.2	19.8
7 20	19 24.63	−25 12.7	1.048	2.058	4.4	20.0
7 30	19 15.74	−25 49.9	1.078	2.060	9.8	20.3
8 9	19 9.33	−26 15.3	1.128	2.063	14.8	20.6
8 19	19 6.24	−26 29.0	1.197	2.067	18.9	20.8

395879 2013 AR_{32} 7 13.3 170°.03 3°.6/11.3 18

6 10	19 56.81	−31 0.5	2.478	3.345	10.5	21.4
6 20	19 50.95	−32 0.5	2.410	3.348	7.9	21.2
6 30	19 43.25	−32 58.3	2.367	3.350	5.3	21.0
7 10	19 34.34	−33 49.5	2.351	3.352	3.7	20.9
7 20	19 25.04	−34 30.1	2.363	3.353	4.7	21.0
7 30	19 16.24	−34 58.1	2.404	3.354	7.2	21.2
8 9	19 8.81	−35 13.2	2.470	3.355	9.8	21.3
8 19	19 3.34	−35 16.9	2.558	3.356	12.2	21.5

335740 2007 EJ_{2} 7 13.3 2°.71 10°.2/17.6 17

6 10	19 46.50	− 1 29.8	1.043	1.916	21.1	19.5
6 20	19 44.56	− 0 57.8	0.988	1.913	17.6	19.3
6 30	19 39.95	− 0 56.6	0.950	1.912	14.0	19.1
7 10	19 33.56	− 1 29.2	0.930	1.914	11.0	18.9
7 20	19 26.62	− 2 34.3	0.929	1.917	10.3	18.9
7 30	19 20.56	− 4 5.4	0.949	1.922	12.3	19.0
8 9	19 16.64	− 5 52.3	0.988	1.930	15.7	19.3
8 19	19 15.64	− 7 44.4	1.046	1.939	19.3	19.5

335437 2005 UL_{223} 7 13.3 110°.95 5°.7/15.1 17

6 10	19 57.34	− 7 31.2	1.816	2.657	14.9	20.7
6 20	19 51.39	− 6 53.7	1.756	2.670	11.8	20.6
6 30	19 43.48	− 6 29.8	1.717	2.682	8.6	20.4
7 10	19 34.39	− 6 20.5	1.703	2.694	6.1	20.3
7 20	19 25.03	− 6 25.4	1.715	2.706	6.1	20.3
7 30	19 16.41	− 6 42.7	1.754	2.717	8.4	20.5
8 9	19 9.41	− 7 9.5	1.816	2.728	11.4	20.7
8 19	19 4.59	− 7 42.2	1.901	2.739	14.3	20.9

391954 2008 WC_{19} 7 13.3 189°.06 0°.5/13.6 18

6 10	19 56.34	−19 0.0	2.463	3.322	10.9	22.9
6 20	19 50.43	−19 17.4	2.384	3.321	8.0	22.8
6 30	19 42.87	−19 39.4	2.330	3.319	4.8	22.6
7 10	19 34.24	−20 3.9	2.303	3.317	1.4	22.3
7 20	19 25.27	−20 28.5	2.305	3.314	2.4	22.4
7 30	19 16.77	−20 51.5	2.335	3.311	5.8	22.6
8 9	19 9.48	−21 11.5	2.393	3.307	8.9	22.8
8 19	19 3.97	−21 27.9	2.474	3.302	11.7	23.0

122472 2000 QY_{156} 7 13.3 207°.68 3°.8/14.6 18

6 10	19 56.75	−11 0.1	2.184	3.027	12.6	20.1
6 20	19 50.87	−10 40.4	2.101	3.022	9.8	20.0
6 30	19 43.19	−10 30.1	2.042	3.016	6.7	19.8
7 10	19 34.34	−10 29.2	2.008	3.009	4.2	19.6
7 20	19 25.08	−10 36.8	2.003	3.002	4.3	19.6
7 30	19 16.32	−10 51.7	2.025	2.994	7.0	19.7
8 9	19 8.86	−11 11.9	2.073	2.986	10.1	19.9
8 19	19 3.32	−11 35.2	2.144	2.977	13.0	20.1

36632 2000 QB_{171} 7 13.3 186°.73 0°.9/13.6 18

6 10	20 0.36	−19 33.0	1.596	2.470	15.0	19.0
6 20	19 54.09	−19 29.4	1.525	2.470	11.1	18.8
6 30	19 45.30	−19 31.1	1.477	2.469	6.7	18.5
7 10	19 34.89	−19 35.8	1.454	2.469	2.0	18.2
7 20	19 24.00	−19 41.1	1.457	2.467	3.3	18.3
7 30	19 13.95	−19 45.3	1.486	2.466	8.0	18.6
8 9	19 5.87	−19 47.6	1.540	2.464	12.3	18.8
8 19	19 0.50	−19 47.8	1.614	2.461	16.0	19.1

513504 2009 QD_{5} 7 13.3 347°.74 12°.0/11.7 18

6 10	20 10.39	−53 28.4	1.762	2.581	16.2	20.1
6 20	20 2.14	−53 55.7	1.700	2.573	14.3	19.9
6 30	19 50.20	−53 59.2	1.657	2.565	12.7	19.8
7 10	19 36.09	−53 30.7	1.635	2.558	12.0	19.7
7 20	19 21.83	−52 26.4	1.636	2.552	12.4	19.7
7 30	19 9.48	−50 48.7	1.659	2.546	13.8	19.8
8 9	19 0.49	−48 45.3	1.705	2.542	15.8	19.9
8 19	18 55.45	−46 26.1	1.770	2.539	17.9	20.1

461578 2004 PG_{21} 7 13.3 319.°62 7.°7/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 2.40	−40 53.5	1.757	2.621	14.3	20.0
6 20	19 56.26	−41 17.4	1.659	2.584	11.7	19.8
6 30	19 46.96	−41 28.8	1.582	2.547	9.2	19.5
7 10	19 35.40	−41 20.2	1.529	2.511	7.8	19.4
7 20	19 22.93	−40 46.5	1.500	2.474	8.6	19.3
7 30	19 11.25	−39 46.6	1.496	2.438	11.4	19.4
8 9	19 1.87	−38 24.5	1.515	2.403	14.7	19.5
8 19	18 55.80	−36 46.8	1.554	2.369	18.0	19.7

200364 2000 QA_{26} 7 13.3 324.°38 6.°6/11.8 18

6 10	19 57.18	−34 12.0	1.267	2.164	16.5	19.4
6 20	19 52.96	−34 45.9	1.186	2.137	12.9	19.1
6 30	19 45.25	−35 12.7	1.125	2.112	9.1	18.8
7 10	19 35.00	−35 24.5	1.085	2.087	6.6	18.6
7 20	19 23.71	−35 14.9	1.068	2.063	8.0	18.6
7 30	19 13.32	−34 41.7	1.073	2.040	12.0	18.7
8 9	19 5.56	−33 47.9	1.099	2.019	16.5	18.9
8 19	19 1.52	−32 39.4	1.142	1.998	20.6	19.1

34467 2000 SC_{108} 7 13.3 301.°40 0.°7/13.6 18

6 10	19 54.16	−19 1.6	2.132	3.001	11.9	19.2
6 20	19 49.05	−19 10.1	2.058	3.000	8.8	19.0
6 30	19 42.14	−19 23.6	2.007	2.998	5.3	18.7
7 10	19 34.08	−19 40.1	1.982	2.997	1.6	18.5
7 20	19 25.68	−19 57.6	1.985	2.995	2.6	18.6
7 30	19 17.82	−20 14.2	2.015	2.994	6.3	18.8
8 9	19 11.33	−20 28.5	2.071	2.993	9.7	19.0
8 19	19 6.78	−20 39.9	2.150	2.991	12.7	19.2

309697 2008 FM_{79} 7 13.3 230.°00 0.°8/13.0 18

6 10	19 54.83	−23 11.9	2.361	3.231	10.9	21.7
6 20	19 49.46	−23 29.9	2.282	3.226	8.0	21.5
6 30	19 42.35	−23 49.9	2.228	3.220	4.7	21.3
7 10	19 34.14	−24 9.3	2.200	3.215	1.3	21.0
7 20	19 25.56	−24 25.8	2.201	3.210	2.7	21.1
7 30	19 17.48	−24 37.7	2.229	3.204	6.1	21.3
8 9	19 10.68	−24 44.5	2.284	3.198	9.3	21.5
8 19	19 5.74	−24 46.1	2.361	3.192	12.1	21.7

304231 2006 QH_{184} 7 13.3 298.°19 0.°7/13.6 18

6 10	19 54.14	−18 30.6	1.924	2.797	12.8	21.1
6 20	19 49.28	−18 45.9	1.844	2.788	9.5	20.9
6 30	19 42.41	−19 7.9	1.787	2.778	5.7	20.6
7 10	19 34.18	−19 34.2	1.755	2.769	1.7	20.3
7 20	19 25.46	−20 2.0	1.750	2.760	2.8	20.4
7 30	19 17.28	−20 28.9	1.772	2.751	6.9	20.7
8 9	19 10.57	−20 52.8	1.818	2.743	10.7	20.9
8 19	19 6.01	−21 12.8	1.887	2.734	14.0	21.1

505576 2014 BZ_{31} 7 13.3 147.°67 2.°2/14.5 17

6 10	19 55.33	−12 51.4	2.512	3.357	11.1	22.4
6 20	19 49.57	−13 9.8	2.443	3.368	8.4	22.3
6 30	19 42.31	−13 36.6	2.398	3.378	5.4	22.1
7 10	19 34.11	−14 10.2	2.380	3.388	2.7	21.9
7 20	19 25.66	−14 48.5	2.391	3.397	2.9	21.9
7 30	19 17.69	−15 29.0	2.430	3.405	5.7	22.1
8 9	19 10.89	−16 9.5	2.497	3.413	8.6	22.3
8 19	19 5.74	−16 48.2	2.589	3.420	11.1	22.5

354695 2005 QR_{103} 7 13.3 255.°16 1.°8/12.7 18

6 10	19 56.55	−26 52.1	2.257	3.128	11.3	21.0
6 20	19 50.81	−27 1.9	2.177	3.120	8.3	20.8
6 30	19 43.19	−27 10.6	2.121	3.113	5.0	20.6
7 10	19 34.36	−27 15.4	2.092	3.105	2.1	20.4
7 20	19 25.15	−27 14.2	2.091	3.097	3.3	20.5
7 30	19 16.52	−27 6.0	2.117	3.088	6.6	20.7
8 9	19 9.31	−26 51.1	2.169	3.080	9.9	20.9
8 19	19 4.14	−26 30.7	2.244	3.072	12.7	21.0

151461 2002 GB_{113} 7 13.3 5.°99 2.°9/14.8 18

6 10	19 51.16	−11 40.1	1.842	2.707	13.7	19.0
6 20	19 47.05	−12 4.6	1.773	2.707	10.5	18.8
6 30	19 41.05	−12 42.3	1.725	2.708	6.9	18.6
7 10	19 33.83	−13 31.3	1.702	2.710	3.6	18.4
7 20	19 26.21	−14 28.2	1.706	2.713	3.7	18.4
7 30	19 19.15	−15 29.2	1.736	2.716	7.0	18.6
8 9	19 13.52	−16 30.2	1.790	2.719	10.6	18.8
8 19	19 9.95	−17 27.8	1.867	2.723	13.7	19.0

505904 2015 DZ_{222} 7 13.3 73.°89 0.°1/13.3 17

6 10	19 57.17	−20 4.0	1.573	2.453	14.8	20.8
6 20	19 51.71	−20 33.0	1.515	2.463	10.9	20.5
6 30	19 43.88	−21 8.6	1.479	2.473	6.4	20.3
7 10	19 34.55	−21 46.6	1.468	2.483	1.6	20.0
7 20	19 24.85	−22 23.1	1.482	2.493	3.2	20.2
7 30	19 16.02	−22 54.8	1.523	2.503	7.8	20.5
8 9	19 9.11	−23 19.8	1.588	2.513	11.9	20.7
8 19	19 4.81	−23 37.8	1.673	2.523	15.4	21.0

68338 2001 KD_{23} 7 13.3 46.°58 0.°8/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 58.06	−22 23.6	1.284	2.177	16.6	19.0
6 20	19 52.71	−22 40.1	1.234	2.189	12.2	18.8
6 30	19 44.58	−23 0.8	1.205	2.201	7.2	18.5
7 10	19 34.73	−23 21.6	1.199	2.214	1.9	18.2
7 20	19 24.56	−23 38.4	1.217	2.227	3.8	18.4
7 30	19 15.55	−23 48.9	1.259	2.241	8.8	18.8
8 9	19 8.91	−23 52.5	1.324	2.255	13.3	19.1
8 19	19 5.30	−23 49.9	1.409	2.269	17.1	19.3

391286 2006 SF_{229} 7 13.3 353.°49 1.°5/12.9 18

6 10	19 56.45	−25 24.2	1.913	2.790	12.7	21.0
6 20	19 50.95	−25 34.0	1.843	2.790	9.3	20.8
6 30	19 43.35	−25 43.9	1.796	2.789	5.6	20.5
7 10	19 34.42	−25 50.9	1.774	2.788	1.9	20.3
7 20	19 25.13	−25 52.7	1.780	2.788	3.3	20.4
7 30	19 16.56	−25 47.8	1.812	2.788	7.2	20.6
8 9	19 9.64	−25 36.6	1.870	2.788	10.8	20.9
8 19	19 5.01	−25 20.2	1.949	2.788	13.9	21.1

180492 2004 CX_{79} 7 13.3 153.°69 0.°9/13.0 17

6 10	19 59.58	−22 38.4	1.819	2.691	13.5	21.4
6 20	19 53.29	−23 6.2	1.753	2.698	9.9	21.2
6 30	19 44.76	−23 37.4	1.711	2.704	5.8	21.0
7 10	19 34.79	−24 7.9	1.694	2.709	1.6	20.7
7 20	19 24.42	−24 34.3	1.705	2.714	3.2	20.8
7 30	19 14.83	−24 54.1	1.743	2.719	7.4	21.1
8 9	19 7.02	−25 6.5	1.806	2.723	11.2	21.4
8 19	19 1.66	−25 12.1	1.891	2.726	14.5	21.6

19435 1998 FN_{75} 7 13.3 236.°58 8.°5/ 9.7 18

6 10	20 3.81	−43 5.0	1.961	2.812	13.5	18.0
6 20	19 56.99	−44 17.2	1.894	2.804	11.2	17.8
6 30	19 47.23	−45 17.9	1.849	2.796	9.3	17.7
7 10	19 35.47	−45 59.1	1.828	2.788	8.5	17.6
7 20	19 23.02	−46 15.6	1.832	2.779	9.4	17.7
7 30	19 11.47	−46 5.6	1.861	2.770	11.5	17.8
8 9	19 2.18	−45 32.3	1.912	2.760	13.9	17.9
8 19	18 56.01	−44 41.0	1.982	2.750	16.2	18.1

439503 2014 AA_{48} 7 13.3 140.°87 0.°1/13.3 17

6 10	19 55.96	−20 4.8	1.945	2.817	12.8	21.1
6 20	19 50.54	−20 37.6	1.876	2.821	9.4	20.9
6 30	19 43.11	−21 16.1	1.831	2.824	5.5	20.7
7 10	19 34.38	−21 56.9	1.812	2.827	1.4	20.4
7 20	19 25.25	−22 36.5	1.820	2.830	2.8	20.6
7 30	19 16.74	−23 11.8	1.855	2.833	6.9	20.8
8 9	19 9.78	−23 41.1	1.916	2.836	10.5	21.0
8 19	19 5.00	−24 3.7	1.999	2.838	13.6	21.3

1575 Winifred 7 13.3 78.°53 16.°2/22.5 18 R

6 10	19 57.07	+17 1.5	1.584	2.305	21.6	16.0
6 20	19 51.46	+18 36.4	1.545	2.325	19.8	15.9
6 30	19 43.65	+19 36.8	1.521	2.345	18.1	15.8
7 10	19 34.51	+19 57.2	1.513	2.366	16.8	15.8
7 20	19 25.08	+19 36.1	1.524	2.386	16.3	15.8
7 30	19 16.54	+18 36.2	1.554	2.405	16.4	15.8
8 9	19 9.84	+17 5.0	1.602	2.425	17.3	16.0
8 19	19 5.62	+15 12.0	1.669	2.444	18.5	16.1

440591 2005 UP_{525} 7 13.3 287.°71 4.°7/10.9 18

6 10	19 56.26	−33 2.3	2.176	3.048	11.6	21.5
6 20	19 50.97	−34 1.5	2.095	3.033	8.9	21.3
6 30	19 43.49	−34 57.9	2.037	3.018	6.2	21.1
7 10	19 34.52	−35 46.0	2.006	3.003	4.7	21.0
7 20	19 24.94	−36 21.4	2.002	2.988	5.8	21.0
7 30	19 15.86	−36 41.3	2.024	2.972	8.5	21.2
8 9	19 8.31	−36 45.9	2.071	2.957	11.4	21.3
8 19	19 3.03	−36 36.9	2.138	2.942	14.1	21.5

117466 2005 BO_{9} 7 13.3 179.°16 2.°7/12.5 17

6 10	20 2.04	−27 9.8	1.781	2.654	13.7	21.1
6 20	19 55.27	−27 43.9	1.712	2.656	10.1	20.8
6 30	19 46.02	−28 17.6	1.666	2.657	6.2	20.6
7 10	19 35.14	−28 45.8	1.646	2.657	2.9	20.4
7 20	19 23.79	−29 4.6	1.654	2.657	4.4	20.5
7 30	19 13.26	−29 11.8	1.688	2.656	8.2	20.7
8 9	19 4.68	−29 7.9	1.747	2.655	12.0	21.0
8 19	18 58.79	−28 55.0	1.827	2.653	15.3	21.2

504207 2006 UV_{35} 7 13.4 210.°17 1.°8/12.7 17

6 10	20 0.02	−25 8.8	1.892	2.764	13.0	22.6
6 20	19 53.72	−25 37.2	1.815	2.759	9.6	22.3
6 30	19 45.10	−26 6.9	1.761	2.753	5.8	22.1
7 10	19 34.92	−26 33.9	1.733	2.747	2.2	21.8
7 20	19 24.22	−26 54.4	1.733	2.739	3.7	21.9
7 30	19 14.17	−27 6.3	1.760	2.732	7.7	22.2
8 9	19 5.86	−27 9.2	1.812	2.723	11.4	22.4
8 19	19 0.02	−27 4.3	1.885	2.715	14.7	22.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
242686 2005 SK_{259}			7 13.4 359°.81		6°.6/10.1 18	
	h m	° ′			°	m
6 10	19 56.69	−36 5.0	1.833	2.710	13.2	19.3
6 20	19 51.60	−37 27.0	1.773	2.709	10.3	19.2
6 30	19 43.98	−38 43.1	1.735	2.708	7.8	19.0
7 10	19 34.65	−39 45.9	1.722	2.708	6.6	18.9
7 20	19 24.74	−40 29.7	1.735	2.708	7.8	19.0
7 30	19 15.58	−40 51.8	1.772	2.709	10.3	19.2
8 9	19 8.37	−40 53.3	1.832	2.710	13.1	19.3
8 19	19 3.87	−40 37.5	1.912	2.711	15.7	19.5
275330 2010 VT_{67}			7 13.4 89°.74		0°.7/12.9 18	
6 10	19 53.65	−21 56.1	2.334	3.204	11.0	20.3
6 20	19 48.59	−22 31.7	2.265	3.209	8.0	20.1
6 30	19 41.86	−23 10.8	2.220	3.213	4.7	19.9
7 10	19 34.07	−23 50.4	2.202	3.217	1.3	19.6
7 20	19 25.96	−24 27.4	2.212	3.221	2.6	19.7
7 30	19 18.36	−24 59.5	2.251	3.226	6.0	20.0
8 9	19 12.03	−25 25.3	2.315	3.230	9.2	20.2
8 19	19 7.51	−25 44.4	2.402	3.234	11.9	20.4
284526 2007 RN_{135}			7 13.4 293°.16		2°.9/14.4 17	
6 10	19 54.36	−13 42.8	1.823	2.687	13.8	20.6
6 20	19 49.52	−13 40.5	1.743	2.678	10.5	20.4
6 30	19 42.60	−13 48.3	1.685	2.670	6.8	20.2
7 10	19 34.30	−14 5.3	1.652	2.661	3.4	19.9
7 20	19 25.50	−14 29.5	1.645	2.652	3.8	20.0
7 30	19 17.25	−14 58.6	1.665	2.643	7.4	20.2
8 9	19 10.51	−15 29.8	1.709	2.635	11.2	20.4
8 19	19 5.96	−16 0.8	1.775	2.627	14.6	20.6
137224 1999 RW_{9}			7 13.4 275°.25		3°.3/14.4 18	
6 10	19 56.70	−13 21.9	1.546	2.415	15.6	20.0
6 20	19 51.69	−13 18.8	1.460	2.398	12.0	19.7
6 30	19 44.14	−13 28.0	1.395	2.380	7.9	19.5
7 10	19 34.76	−13 48.7	1.353	2.362	4.0	19.2
7 20	19 24.61	−14 18.7	1.337	2.344	4.4	19.2
7 30	19 14.99	−14 55.0	1.347	2.326	8.6	19.4
8 9	19 7.14	−15 34.0	1.379	2.308	13.1	19.6
8 19	19 1.95	−16 12.8	1.433	2.290	17.1	19.8
3423 Slouka			7 13.4 125°.63		0°.1/13.3 18	
6 10	19 54.98	−21 15.0	2.370	3.236	11.0	17.5
6 20	19 49.48	−21 29.8	2.302	3.244	8.0	17.3
6 30	19 42.35	−21 47.5	2.259	3.251	4.7	17.1
7 10	19 34.21	−22 6.1	2.243	3.258	1.2	16.9
7 20	19 25.82	−22 23.2	2.256	3.265	2.4	17.0
7 30	19 17.99	−22 37.3	2.296	3.272	5.8	17.2
8 9	19 11.44	−22 47.6	2.362	3.279	8.9	17.4
8 19	19 6.69	−22 53.9	2.452	3.285	11.6	17.6
425808 2011 DE_{11}			7 13.4 67°.21		4°.2/15.2 17	
6 10	19 56.50	− 9 36.3	1.554	2.412	16.1	20.8
6 20	19 51.03	− 9 47.7	1.506	2.434	12.4	20.7
6 30	19 43.40	−10 15.0	1.478	2.457	8.3	20.5
7 10	19 34.48	−10 56.2	1.475	2.479	4.9	20.3
7 20	19 25.35	−11 48.0	1.497	2.501	4.8	20.4
7 30	19 17.11	−12 45.7	1.546	2.523	8.0	20.6
8 9	19 10.71	−13 44.8	1.618	2.545	11.6	20.9
8 19	19 6.74	−14 41.6	1.712	2.567	14.9	21.1
394274 2006 UW_{143}			7 13.4 289°.09		6°.4/10.8 18	
6 10	19 59.44	−38 9.1	2.033	2.899	12.6	20.1
6 20	19 53.52	−38 57.0	1.955	2.884	10.0	19.9
6 30	19 45.09	−39 37.0	1.900	2.869	7.6	19.7
7 10	19 34.97	−40 3.0	1.870	2.854	6.4	19.6
7 20	19 24.27	−40 10.8	1.866	2.839	7.3	19.7
7 30	19 14.26	−39 58.6	1.887	2.824	9.7	19.8
8 9	19 6.13	−39 28.5	1.932	2.809	12.5	19.9
8 19	19 0.65	−38 44.2	1.997	2.795	15.1	20.1
178555 1999 VM_{125}			7 13.4 350°.65		0°.8/13.1 18	
6 10	19 52.97	−22 42.1	1.739	2.624	13.3	19.9
6 20	19 48.63	−23 0.3	1.667	2.619	9.8	19.6
6 30	19 42.13	−23 22.0	1.619	2.614	5.8	19.4
7 10	19 34.21	−23 44.0	1.595	2.610	1.6	19.1
7 20	19 25.84	−24 3.3	1.596	2.606	3.2	19.2
7 30	19 18.13	−24 17.6	1.624	2.603	7.4	19.5
8 9	19 12.09	−24 25.7	1.675	2.601	11.3	19.7
8 19	19 8.38	−24 27.8	1.748	2.600	14.7	19.9
52135 6070 $P–L$			7 13.4 239°.90		0°.7/13.1 18	
6 10	19 56.46	−22 58.6	2.103	2.974	12.0	19.0
6 20	19 50.89	−23 13.5	2.023	2.967	8.8	18.8
6 30	19 43.35	−23 30.8	1.967	2.960	5.2	18.6
7 10	19 34.51	−23 47.7	1.937	2.952	1.4	18.3
7 20	19 25.24	−24 1.5	1.935	2.944	2.9	18.4
7 30	19 16.53	−24 10.7	1.960	2.936	6.7	18.6
8 9	19 9.27	−24 14.4	2.011	2.928	10.2	18.8
8 19	19 4.11	−24 13.0	2.084	2.919	13.3	19.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
414458 2009 HH_{26}			7 13.4 202°.52		2°.9/14.3 17	
	h m	° ′			°	m
6 10	19 58.73	−13 55.7	1.673	2.536	14.9	21.4
6 20	19 52.86	−13 53.9	1.598	2.533	11.4	21.1
6 30	19 44.65	−14 2.8	1.545	2.530	7.3	20.9
7 10	19 34.87	−14 21.1	1.517	2.526	3.6	20.7
7 20	19 24.55	−14 46.5	1.514	2.521	4.0	20.7
7 30	19 14.91	−15 16.2	1.539	2.517	7.9	20.9
8 9	19 7.03	−15 47.5	1.587	2.511	12.0	21.1
8 19	19 1.64	−16 18.1	1.658	2.505	15.6	21.3
214742 2006 TL_{51}			7 13.4 3°.35		4°.8/11.1 18	
6 10	19 56.10	−31 36.4	1.865	2.746	12.8	20.3
6 20	19 51.00	−32 42.8	1.802	2.745	9.7	20.1
6 30	19 43.57	−33 46.7	1.761	2.746	6.6	19.9
7 10	19 34.59	−34 41.8	1.746	2.746	4.8	19.8
7 20	19 25.10	−35 23.1	1.757	2.747	6.0	19.9
7 30	19 16.32	−35 47.8	1.793	2.748	9.0	20.1
8 9	19 9.31	−35 56.1	1.853	2.749	12.1	20.3
8 19	19 4.82	−35 50.2	1.934	2.750	14.9	20.5
130932 2000 WP_{29}			7 13.4 74°.27		14°.5/16.9 17	
6 10	20 0.74	+ 7 7.3	1.437	2.223	20.7	18.9
6 20	19 54.25	+ 9 21.8	1.395	2.241	18.3	18.8
6 30	19 45.35	+11 8.0	1.372	2.260	16.2	18.7
7 10	19 35.01	+12 18.8	1.369	2.279	14.8	18.7
7 20	19 24.39	+12 50.9	1.387	2.298	14.5	18.7
7 30	19 14.77	+12 45.5	1.426	2.317	15.4	18.8
8 9	19 7.21	+12 8.8	1.485	2.335	17.0	19.0
8 19	19 2.35	+11 9.4	1.561	2.354	18.9	19.2
366657 2003 SK_{334}			7 13.4 172°.21		0°.1/13.4 17	
6 10	19 59.98	−21 11.4	1.562	2.440	15.0	21.0
6 20	19 53.92	−21 20.1	1.494	2.441	11.1	20.8
6 30	19 45.30	−21 33.3	1.449	2.442	6.6	20.5
7 10	19 35.03	−21 47.8	1.428	2.443	1.7	20.2
7 20	19 24.29	−22 0.5	1.434	2.444	3.3	20.3
7 30	19 14.40	−22 9.3	1.465	2.444	8.1	20.6
8 9	19 6.54	−22 13.4	1.520	2.445	12.4	20.9
8 19	19 1.44	−22 13.1	1.597	2.444	16.1	21.1
120140 2003 GB_{21}			7 13.4 337°.13		5°.0/10.9 18	
6 10	19 55.22	−31 56.7	1.851	2.733	12.8	18.9
6 20	19 50.46	−33 7.9	1.782	2.726	9.8	18.7
6 30	19 43.31	−34 17.1	1.736	2.719	6.8	18.5
7 10	19 34.54	−35 17.7	1.714	2.713	5.0	18.4
7 20	19 25.17	−36 4.2	1.719	2.707	6.3	18.4
7 30	19 16.44	−36 33.4	1.750	2.702	9.3	18.6
8 9	19 9.47	−36 45.1	1.803	2.697	12.4	18.8
8 19	19 5.04	−36 41.6	1.877	2.693	15.3	19.0
310565 2001 RU_{137}			7 13.4 275°.18		0°.1/13.4 18	
6 10	19 58.70	−20 0.9	1.378	2.263	16.2	21.0
6 20	19 53.59	−20 24.4	1.294	2.244	12.1	20.7
6 30	19 45.48	−20 56.7	1.231	2.226	7.3	20.4
7 10	19 35.17	−21 33.7	1.191	2.207	1.9	20.0
7 20	19 23.88	−22 10.8	1.177	2.187	3.8	20.1
7 30	19 13.21	−22 43.5	1.186	2.168	9.3	20.4
8 9	19 4.65	−23 9.5	1.219	2.148	14.4	20.6
8 19	18 59.23	−23 27.9	1.271	2.128	18.8	20.8
124679 2001 SS_{111}			7 13.4 235°.01		6°.3/11.1 18	
6 10	20 2.65	−36 54.1	1.911	2.776	13.3	19.9
6 20	19 55.97	−37 45.0	1.836	2.766	10.4	19.7
6 30	19 46.59	−38 28.4	1.784	2.756	7.7	19.5
7 10	19 35.39	−38 57.6	1.758	2.746	6.3	19.4
7 20	19 23.57	−39 7.9	1.758	2.735	7.3	19.4
7 30	19 12.54	−38 57.6	1.783	2.724	9.9	19.6
8 9	19 3.57	−38 28.8	1.832	2.712	12.9	19.7
8 19	18 57.47	−37 45.9	1.901	2.701	15.8	19.9
12211 Arnoschmidt			7 13.4 354°.14		8°.8/ 9.4 18	
6 10	19 57.67	−41 56.6	1.771	2.639	14.0	16.8
6 20	19 52.62	−43 17.7	1.713	2.635	11.6	16.7
6 30	19 44.72	−44 27.5	1.677	2.632	9.6	16.6
7 10	19 34.92	−45 18.2	1.665	2.629	8.8	16.5
7 20	19 24.50	−45 44.1	1.676	2.628	9.8	16.6
7 30	19 14.99	−45 43.4	1.711	2.626	11.9	16.7
8 9	19 7.72	−45 18.8	1.766	2.626	14.3	16.8
8 19	19 3.49	−44 35.3	1.840	2.626	16.7	17.0
24920 1997 EE_{23}			7 13.4 190°.66		1°.0/12.9 18	
6 10	19 58.41	−21 31.1	1.688	2.565	14.1	18.2
6 20	19 52.74	−22 19.2	1.618	2.565	10.4	18.0
6 30	19 44.63	−23 13.5	1.570	2.564	6.1	17.7
7 10	19 34.88	−24 9.2	1.548	2.563	1.7	17.4
7 20	19 24.57	−25 1.1	1.552	2.561	3.5	17.5
7 30	19 14.95	−25 45.3	1.584	2.560	8.0	17.8
8 9	19 7.15	−26 19.6	1.639	2.557	12.0	18.0
8 19	19 1.95	−26 43.9	1.716	2.555	15.5	18.3

180427 2004 BQ_{82} 7 13.4 135°.27 1°.4/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 56.20	−23 55.1	2.207	3.078	11.5	20.2
6 20	19 50.56	−24 31.7	2.141	3.085	8.4	20.0
6 30	19 43.08	−25 10.4	2.099	3.091	5.0	19.8
7 10	19 34.45	−25 47.7	2.084	3.098	1.7	19.6
7 20	19 25.48	−26 20.2	2.097	3.104	3.1	19.7
7 30	19 17.11	−26 45.8	2.137	3.110	6.5	19.9
8 9	19 10.16	−27 3.6	2.204	3.115	9.7	20.1
8 19	19 5.21	−27 13.8	2.293	3.121	12.5	20.3

343789 2011 GU_{49} 7 13.4 353°.33 9°.0/15.9 16

6 10	19 49.38	− 4 42.1	1.189	2.060	19.2	20.0
6 20	19 46.57	− 3 47.2	1.125	2.052	15.8	19.8
6 30	19 41.17	− 3 14.2	1.079	2.045	12.3	19.6
7 10	19 34.02	− 3 6.8	1.053	2.040	9.6	19.4
7 20	19 26.28	− 3 25.9	1.048	2.036	9.3	19.4
7 30	19 19.32	− 4 8.6	1.064	2.034	11.7	19.5
8 9	19 14.35	− 5 8.9	1.100	2.033	15.2	19.7
8 19	19 12.19	− 6 19.2	1.154	2.034	18.8	19.9

491686 2012 UD_{45} 7 13.4 256°.21 1°.0/13.7 17

6 10	19 55.63	−18 3.0	1.920	2.789	13.0	21.9
6 20	19 50.40	−18 14.5	1.841	2.782	9.7	21.7
6 30	19 43.13	−18 32.7	1.785	2.775	5.9	21.4
7 10	19 34.49	−18 55.5	1.754	2.768	1.9	21.2
7 20	19 25.38	−19 20.2	1.751	2.761	2.9	21.2
7 30	19 16.82	−19 44.5	1.774	2.754	6.9	21.5
8 9	19 9.77	−20 6.4	1.823	2.746	10.7	21.7
8 19	19 4.90	−20 25.0	1.894	2.739	14.0	21.9

279777 1999 TT_{144} 7 13.4 306°.07 2°.8/14.2 18 R

6 10	19 54.38	−14 44.4	1.588	2.462	15.0	20.2
6 20	19 50.03	−14 39.4	1.494	2.436	11.5	19.9
6 30	19 43.20	−14 44.8	1.421	2.409	7.4	19.6
7 10	19 34.57	−15 0.1	1.372	2.383	3.5	19.3
7 20	19 25.12	−15 23.3	1.348	2.357	4.1	19.3
7 30	19 16.09	−15 51.8	1.350	2.331	8.4	19.5
8 9	19 8.72	−16 22.7	1.374	2.305	12.9	19.7
8 19	19 3.90	−16 53.4	1.419	2.280	17.0	19.9

404189 2013 CE_{113} 7 13.4 111°.22 0°.1/13.3 17

6 10	19 54.80	−19 26.8	2.570	3.431	10.4	21.8
6 20	19 49.25	−20 12.9	2.509	3.447	7.6	21.6
6 30	19 42.19	−21 3.6	2.473	3.463	4.5	21.5
7 10	19 34.21	−21 55.9	2.464	3.479	1.1	21.2
7 20	19 25.98	−22 46.8	2.485	3.495	2.3	21.3
7 30	19 18.25	−23 33.4	2.535	3.510	5.5	21.6
8 9	19 11.68	−24 14.2	2.613	3.525	8.4	21.8
8 19	19 6.78	−24 48.4	2.714	3.540	10.8	22.0

169503 2002 CA_{238} 7 13.4 121°.64 1°.9/12.9 17

6 10	20 2.24	−26 11.5	1.428	2.312	15.8	20.0
6 20	19 55.77	−26 13.9	1.366	2.316	11.7	19.7
6 30	19 46.46	−26 15.2	1.325	2.319	7.0	19.5
7 10	19 35.35	−26 11.4	1.309	2.323	2.5	19.2
7 20	19 23.82	−25 59.6	1.318	2.326	4.1	19.3
7 30	19 13.41	−25 39.2	1.352	2.329	8.9	19.6
8 9	19 5.35	−25 11.8	1.409	2.332	13.3	19.9
8 19	19 0.40	−24 40.0	1.487	2.335	17.0	20.1

204059 2003 UV_{261} 7 13.4 97°.92 2°.8/14.4 17

6 10	19 55.40	−13 50.5	1.881	2.742	13.6	20.3
6 20	19 50.12	−13 44.2	1.812	2.746	10.3	20.1
6 30	19 42.88	−13 47.1	1.766	2.750	6.7	19.9
7 10	19 34.42	−13 58.5	1.745	2.754	3.4	19.7
7 20	19 25.60	−14 16.4	1.751	2.758	3.7	19.8
7 30	19 17.43	−14 38.8	1.784	2.761	7.1	20.0
8 9	19 10.78	−15 3.4	1.842	2.765	10.6	20.2
8 19	19 6.26	−15 28.2	1.921	2.769	13.8	20.4

160642 1999 VD_{191} 7 13.4 4°.03 8°.2/10.4 17

6 10	19 55.97	−36 10.1	1.291	2.187	16.4	19.0
6 20	19 51.84	−37 32.7	1.239	2.186	12.9	18.8
6 30	19 44.46	−38 47.3	1.208	2.186	9.7	18.6
7 10	19 34.89	−39 44.1	1.198	2.188	8.2	18.6
7 20	19 24.67	−40 15.8	1.211	2.190	9.5	18.6
7 30	19 15.61	−40 19.9	1.246	2.194	12.6	18.8
8 9	19 9.20	−39 59.1	1.300	2.199	16.0	19.0
8 19	19 6.28	−39 19.1	1.373	2.205	19.1	19.3

98527 2000 VN_{32} 7 13.4 259°.76 4°.5/11.6 18

6 10	19 59.98	−28 37.5	1.509	2.394	15.0	18.7
6 20	19 54.47	−29 47.9	1.435	2.383	11.3	18.5
6 30	19 45.96	−31 0.0	1.382	2.372	7.3	18.2
7 10	19 35.30	−32 6.0	1.354	2.361	4.5	18.0
7 20	19 23.76	−32 58.5	1.351	2.349	6.2	18.1
7 30	19 12.94	−33 32.8	1.373	2.337	10.2	18.3
8 9	19 4.29	−33 48.5	1.418	2.325	14.4	18.5
8 19	18 58.81	−33 48.0	1.482	2.312	18.0	18.7

224233 2005 SL_{84} 7 13.4 346°.61 3°.2/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 56.33	−27 2.4	1.287	2.185	16.2	20.5
6 20	19 51.85	−27 33.7	1.222	2.179	12.1	20.3
6 30	19 44.37	−28 5.3	1.178	2.174	7.4	20.0
7 10	19 34.87	−28 31.6	1.157	2.169	3.5	19.7
7 20	19 24.73	−28 47.5	1.160	2.166	5.2	19.8
7 30	19 15.57	−28 50.3	1.185	2.163	9.9	20.1
8 9	19 8.80	−28 40.4	1.233	2.160	14.4	20.3
8 19	19 5.24	−28 20.3	1.299	2.159	18.3	20.6

285044 2011 FT_{10} 7 13.4 82°.74 5°.3/15.7 17

6 10	19 55.83	− 6 57.9	1.688	2.534	15.6	21.0
6 20	19 50.49	− 6 56.3	1.631	2.549	12.3	20.8
6 30	19 43.11	− 7 11.4	1.595	2.564	8.8	20.7
7 10	19 34.48	− 7 42.7	1.583	2.578	5.9	20.5
7 20	19 25.56	− 8 27.9	1.597	2.593	5.6	20.5
7 30	19 17.39	− 9 22.9	1.636	2.608	8.2	20.7
8 9	19 10.90	−10 23.1	1.700	2.622	11.5	21.0
8 19	19 6.66	−11 24.3	1.786	2.636	14.5	21.2

282311 2002 TW_{90} 7 13.4 333°.63 8°.4/14.9 18

6 10	19 50.41	− 6 42.7	1.332	2.201	17.6	19.5
6 20	19 47.32	− 5 35.1	1.248	2.176	14.5	19.2
6 30	19 41.69	− 4 42.7	1.183	2.151	11.2	18.9
7 10	19 34.22	− 4 9.6	1.139	2.128	8.7	18.7
7 20	19 25.96	− 3 58.5	1.118	2.106	8.8	18.7
7 30	19 18.21	− 4 9.5	1.118	2.086	11.5	18.7
8 9	19 12.27	− 4 39.2	1.138	2.067	15.2	18.9
8 19	19 9.05	− 5 22.6	1.177	2.049	19.0	19.1

444454 2006 DK_{199} 7 13.4 54°.82 21°.0/11.1 17

6 10	20 27.39	−60 43.3	1.048	1.868	24.7	20.3
6 20	20 18.42	−62 29.0	1.018	1.874	22.9	20.2
6 30	20 1.42	−63 35.4	1.002	1.880	21.6	20.1
7 10	19 39.25	−63 43.6	1.001	1.885	21.0	20.1
7 20	19 16.91	−62 45.1	1.015	1.892	21.4	20.2
7 30	18 59.35	−60 46.1	1.044	1.898	22.5	20.3
8 9	18 49.03	−58 4.3	1.089	1.905	24.2	20.4
8 19	18 45.90	−54 58.4	1.149	1.911	25.9	20.6

469619 2004 RR_{42} 7 13.4 320°.15 0°.1/13.4 17

6 10	19 54.81	−21 19.2	1.390	2.282	15.6	20.8
6 20	19 50.63	−21 25.4	1.309	2.263	11.7	20.5
6 30	19 43.66	−21 37.1	1.248	2.244	7.0	20.2
7 10	19 34.73	−21 51.3	1.211	2.226	1.8	19.8
7 20	19 25.00	−22 4.7	1.197	2.208	3.6	19.9
7 30	19 15.95	−22 14.5	1.208	2.192	8.9	20.1
8 9	19 8.91	−22 19.5	1.241	2.175	13.8	20.3
8 19	19 4.83	−22 19.5	1.294	2.160	18.0	20.6

276078 2002 CR_{224} 7 13.4 176°.63 3°.0/12.1 18

6 10	19 58.92	−27 55.1	2.024	2.896	12.3	20.8
6 20	19 52.83	−28 42.0	1.955	2.897	9.1	20.6
6 30	19 44.57	−29 28.4	1.909	2.899	5.7	20.4
7 10	19 34.90	−30 9.7	1.891	2.899	3.1	20.2
7 20	19 24.77	−30 41.6	1.899	2.900	4.4	20.3
7 30	19 15.30	−31 1.9	1.935	2.900	7.7	20.5
8 9	19 7.49	−31 10.3	1.996	2.899	11.0	20.7
8 19	19 2.01	−31 8.3	2.079	2.899	13.9	20.9

140711 2001 UB_{86} 7 13.4 301°.07 4°.8/11.2 18

6 10	19 57.12	−32 51.1	2.004	2.879	12.3	19.9
6 20	19 51.69	−33 47.6	1.935	2.875	9.4	19.7
6 30	19 43.98	−34 40.4	1.888	2.870	6.5	19.6
7 10	19 34.76	−35 24.0	1.868	2.866	4.8	19.5
7 20	19 25.03	−35 53.8	1.873	2.861	5.9	19.5
7 30	19 15.95	−36 7.6	1.905	2.857	8.7	19.7
8 9	19 8.58	−36 5.9	1.961	2.853	11.7	19.9
8 19	19 3.63	−35 51.1	2.038	2.849	14.4	20.0

171001 2005 EZ_{16} 7 13.4 347°.74 0°.6/13.2 17

6 10	19 55.90	−22 21.8	1.783	2.662	13.4	20.7
6 20	19 50.73	−22 38.4	1.713	2.661	9.8	20.4
6 30	19 43.37	−22 58.6	1.666	2.660	5.8	20.2
7 10	19 34.59	−23 19.0	1.643	2.659	1.5	19.9
7 20	19 25.39	−23 36.8	1.648	2.658	3.1	20.0
7 30	19 16.88	−23 49.7	1.678	2.657	7.3	20.3
8 9	19 10.06	−23 56.8	1.733	2.656	11.2	20.5
8 19	19 5.60	−23 58.4	1.810	2.656	14.6	20.7

347433 2012 TL_{33} 7 13.4 271°.81 2°.5/14.3 18

6 10	19 55.32	−14 30.2	1.871	2.735	13.5	21.2
6 20	19 50.25	−14 28.3	1.787	2.723	10.3	21.0
6 30	19 43.11	−14 35.5	1.725	2.711	6.6	20.8
7 10	19 34.55	−14 50.9	1.689	2.699	3.2	20.5
7 20	19 25.45	−15 12.5	1.679	2.686	3.6	20.5
7 30	19 16.86	−15 38.2	1.695	2.674	7.3	20.7
8 9	19 9.75	−16 5.5	1.737	2.661	11.1	20.9
8 19	19 4.83	−16 32.4	1.800	2.649	14.5	21.1

351211 2004 LZ_7 7 13.4 26°.44 2°.4/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 55.92	−11 24.9	0.821	1.725	22.4	18.0
6 20	19 52.47	−15 24.0	0.777	1.738	16.3	17.7
6 30	19 45.20	−20 1.8	0.754	1.753	9.3	17.4
7 10	19 35.19	−24 53.3	0.755	1.770	2.8	17.1
7 20	19 24.20	−29 27.2	0.781	1.788	6.6	17.4
7 30	19 14.45	−33 18.4	0.832	1.808	13.1	17.9
8 9	19 7.86	−36 16.4	0.904	1.829	18.6	18.2
8 19	19 5.54	−38 23.2	0.993	1.852	22.8	18.6

442139 2010 UW_{92} 7 13.4 295°.12 6°.8/15.4 18

6 10	19 53.07	− 3 12.1	2.239	3.058	13.2	20.6
6 20	19 48.26	− 2 20.3	2.153	3.045	10.9	20.5
6 30	19 41.78	− 1 41.2	2.089	3.032	8.7	20.3
7 10	19 34.20	− 1 17.0	2.050	3.019	7.0	20.2
7 20	19 26.21	− 1 8.6	2.036	3.007	7.0	20.2
7 30	19 18.61	− 1 15.6	2.048	2.994	8.5	20.2
8 9	19 12.17	− 1 35.9	2.085	2.982	10.9	20.4
8 19	19 7.47	− 2 6.3	2.144	2.970	13.3	20.5

153624 2001 TJ_{36} 7 13.4 221°.49 7°.0/10.2 18

6 10	20 3.39	−39 28.4	2.074	2.931	12.7	20.7
6 20	19 56.52	−40 37.3	2.002	2.922	10.2	20.5
6 30	19 46.97	−41 38.0	1.953	2.913	8.0	20.3
7 10	19 35.58	−42 23.3	1.929	2.903	7.0	20.3
7 20	19 23.52	−42 47.9	1.932	2.893	8.0	20.3
7 30	19 12.18	−42 49.9	1.960	2.882	10.2	20.4
8 9	19 2.81	−42 31.1	2.011	2.871	12.8	20.6
8 19	18 56.26	−41 56.0	2.083	2.859	15.3	20.7

87405 2000 QP_{77} 7 13.4 300°.49 0°.2/13.5 18 R

6 10	19 56.32	−20 37.5	1.565	2.448	14.7	19.2
6 20	19 51.48	−20 43.6	1.481	2.431	11.0	19.0
6 30	19 44.07	−20 55.0	1.419	2.413	6.6	18.7
7 10	19 34.86	−21 9.2	1.381	2.396	1.8	18.3
7 20	19 24.93	−21 23.3	1.368	2.379	3.3	18.4
7 30	19 15.61	−21 34.6	1.380	2.362	8.2	18.6
8 9	19 8.12	−21 42.1	1.416	2.345	12.8	18.9
8 19	19 3.34	−21 45.2	1.472	2.329	16.7	19.1

55576 Amycus 7 13.4 49°.42 0°.3/12.5 07 C

6 10	19 36.66	−27 44.9	21.016	21.878	1.4	21.3
6 20	19 35.26	−27 48.0	20.954	21.893	1.0	21.3
6 30	19 33.71	−27 51.0	20.919	21.908	0.6	21.2
7 10	19 32.09	−27 53.5	20.912	21.922	0.3	21.2
7 20	19 30.44	−27 55.6	20.934	21.937	0.4	21.2
7 30	19 28.83	−27 56.9	20.986	21.951	0.8	21.3
8 9	19 27.33	−27 57.6	21.065	21.966	1.2	21.3
8 19	19 26.01	−27 57.4	21.170	21.981	1.6	21.3

217381 2004 VP_{54} 7 13.4 185°.69 10°.2/19.1 18

6 10	19 55.13	+14 56.7	2.838	3.522	13.6	21.7
6 20	19 49.45	+15 50.7	2.763	3.522	12.4	21.6
6 30	19 42.35	+16 25.2	2.707	3.522	11.3	21.5
7 10	19 34.35	+16 37.4	2.672	3.520	10.5	21.4
7 20	19 26.03	+16 26.0	2.660	3.518	10.2	21.4
7 30	19 18.06	+15 51.8	2.672	3.515	10.6	21.4
8 9	19 11.09	+14 57.8	2.707	3.511	11.5	21.5
8 19	19 5.60	+13 48.3	2.763	3.506	12.7	21.6

125981 2001 YB_{22} 7 13.4 107°.76 1°.7/13.9 18

6 10	19 58.97	−17 36.5	1.783	2.650	14.0	20.3
6 20	19 52.76	−17 23.0	1.723	2.662	10.4	20.1
6 30	19 44.46	−17 15.4	1.685	2.674	6.4	19.9
7 10	19 34.88	−17 12.4	1.673	2.685	2.4	19.6
7 20	19 25.05	−17 12.5	1.687	2.697	3.2	19.7
7 30	19 16.05	−17 14.4	1.729	2.708	7.2	20.0
8 9	19 8.79	−17 17.1	1.796	2.718	10.9	20.2
8 19	19 3.88	−17 19.8	1.884	2.729	14.1	20.5

423907 2006 SO_{286} 7 13.4 239°.77 10°.7/17.9 18

6 10	19 56.29	+ 8 52.5	2.124	2.873	15.9	21.5
6 20	19 50.82	+ 9 33.0	2.032	2.856	14.2	21.3
6 30	19 43.43	+ 9 51.2	1.959	2.838	12.4	21.2
7 10	19 34.68	+ 9 43.4	1.907	2.820	11.1	21.0
7 20	19 25.34	+ 9 8.1	1.879	2.800	10.7	21.0
7 30	19 16.34	+ 8 6.5	1.875	2.780	11.6	21.0
8 9	19 8.56	+ 6 43.1	1.895	2.759	13.3	21.1
8 19	19 2.72	+ 5 4.2	1.937	2.738	15.4	21.2

108416 2001 KX_{34} 7 13.4 11°.09 4°.0/14.7 18

6 10	19 53.20	−12 51.4	1.159	2.049	18.2	19.0
6 20	19 49.44	−12 45.6	1.102	2.050	14.0	18.8
6 30	19 42.90	−12 55.9	1.064	2.053	9.2	18.5
7 10	19 34.55	−13 21.2	1.048	2.057	4.8	18.3
7 20	19 25.69	−13 58.3	1.054	2.062	5.0	18.3
7 30	19 17.78	−14 42.8	1.083	2.068	9.4	18.6
8 9	19 12.12	−15 29.5	1.134	2.075	14.1	18.9
8 19	19 9.45	−16 14.4	1.203	2.083	18.1	19.1

507066 2008 WN_{101} 7 13.4 245°.99 2°.2/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 58.18	−16 1.3	2.265	3.117	11.9	21.8
6 20	19 52.08	−15 40.4	2.169	3.100	9.0	21.5
6 30	19 44.09	−15 24.4	2.097	3.081	5.8	21.3
7 10	19 34.84	−15 13.0	2.052	3.062	2.7	21.1
7 20	19 25.08	−15 5.4	2.035	3.042	3.2	21.1
7 30	19 15.75	−15 0.9	2.047	3.022	6.6	21.3
8 9	19 7.69	−14 58.8	2.086	3.001	10.0	21.4
8 19	19 1.56	−14 58.3	2.147	2.979	13.1	21.6

69364 1994 PU_{30} 7 13.4 339°.58 6°.1/15.4 18

6 10	19 52.22	− 7 49.9	1.469	2.332	16.6	19.3
6 20	19 48.36	− 7 25.2	1.395	2.323	13.2	19.0
6 30	19 42.16	− 7 17.5	1.341	2.314	9.6	18.8
7 10	19 34.37	− 7 28.0	1.310	2.306	6.7	18.6
7 20	19 26.02	− 7 55.7	1.302	2.299	6.5	18.6
7 30	19 18.29	− 8 38.0	1.318	2.293	9.4	18.7
8 9	19 12.30	− 9 29.9	1.357	2.287	13.1	18.9
8 19	19 8.81	−10 26.5	1.416	2.282	16.7	19.1

498439 2008 AY_{109} 7 13.4 170°.06 0°.3/13.5 17

6 10	20 0.81	−20 29.0	1.918	2.783	13.2	22.4
6 20	19 54.14	−20 33.5	1.847	2.787	9.8	22.2
6 30	19 45.32	−20 41.7	1.800	2.791	5.8	22.0
7 10	19 35.15	−20 51.4	1.779	2.794	1.6	21.7
7 20	19 24.59	−21 0.0	1.786	2.796	2.8	21.8
7 30	19 14.77	−21 6.2	1.820	2.797	7.0	22.1
8 9	19 6.64	−21 9.1	1.881	2.798	10.8	22.3
8 19	19 0.85	−21 8.9	1.963	2.798	14.0	22.5

511446 2014 JZ_{40} 7 13.4 39°.55 5°.0/10.9 18

6 10	19 56.75	−33 21.4	2.079	2.952	12.0	21.1
6 20	19 51.34	−34 28.3	2.017	2.955	9.2	20.9
6 30	19 43.76	−35 31.1	1.979	2.958	6.5	20.7
7 10	19 34.76	−36 24.3	1.967	2.961	5.0	20.6
7 20	19 25.31	−37 3.1	1.981	2.965	6.0	20.7
7 30	19 16.51	−37 25.4	2.022	2.968	8.6	20.9
8 9	19 9.37	−37 31.5	2.087	2.972	11.4	21.1
8 19	19 4.57	−37 23.8	2.172	2.976	13.9	21.2

96523 1998 RC_{26} 7 13.4 340°.83 4°.2/15.2 18

6 10	19 51.56	− 9 59.6	1.451	2.323	16.3	18.3
6 20	19 47.95	−10 16.7	1.376	2.313	12.7	18.1
6 30	19 41.97	−10 52.0	1.322	2.304	8.6	17.8
7 10	19 34.34	−11 44.4	1.290	2.296	4.9	17.6
7 20	19 26.08	−12 50.3	1.282	2.288	4.8	17.5
7 30	19 18.43	−14 4.5	1.299	2.281	8.5	17.7
8 9	19 12.53	−15 20.8	1.339	2.276	12.8	18.0
8 19	19 9.17	−16 34.3	1.400	2.271	16.6	18.2

358382 2006 YZ_{10} 7 13.4 183°.58 0°.3/13.2 18

6 10	19 54.32	−20 14.1	2.985	3.841	9.2	21.9
6 20	19 48.86	−20 56.7	2.905	3.841	6.8	21.7
6 30	19 42.02	−21 43.2	2.851	3.841	4.0	21.6
7 10	19 34.29	−22 31.2	2.825	3.840	1.0	21.3
7 20	19 26.24	−23 17.9	2.830	3.839	2.1	21.4
7 30	19 18.52	−24 1.1	2.864	3.838	5.0	21.6
8 9	19 11.77	−24 39.2	2.926	3.835	7.7	21.8
8 19	19 6.46	−25 11.5	3.013	3.833	10.0	22.0

184802 2005 TH_{101} 7 13.4 276°.46 4°.3/15.3 18

6 10	19 52.71	− 8 10.8	2.271	3.110	12.3	20.2
6 20	19 48.04	− 8 4.2	2.181	3.096	9.8	20.0
6 30	19 41.70	− 8 9.5	2.114	3.081	7.0	19.8
7 10	19 34.23	− 8 26.6	2.072	3.067	4.7	19.6
7 20	19 26.32	− 8 54.6	2.057	3.052	4.6	19.6
7 30	19 18.79	− 9 31.5	2.069	3.038	6.9	19.7
8 9	19 12.38	−10 14.4	2.106	3.023	9.8	19.9
8 19	19 7.70	−11 0.4	2.167	3.008	12.7	20.0

262582 2006 VB_{74} 7 13.4 237°.50 1°.0/12.9 18

6 10	19 55.25	−23 25.8	2.303	3.173	11.1	20.8
6 20	19 49.93	−23 51.0	2.223	3.166	8.2	20.6
6 30	19 42.81	−24 18.5	2.168	3.160	4.8	20.4
7 10	19 34.52	−24 45.4	2.139	3.153	1.5	20.1
7 20	19 25.83	−25 9.0	2.138	3.146	2.8	20.2
7 30	19 17.62	−25 27.2	2.165	3.140	6.3	20.4
8 9	19 10.71	−25 39.2	2.218	3.132	9.5	20.6
8 19	19 5.71	−25 45.1	2.294	3.125	12.4	20.8

378296 2007 EC_{158} 7 13.4 77°.80 2°.3/14.3 17

6 10	19 57.73	−14 31.5	1.641	2.508	15.0	21.0
6 20	19 51.94	−14 44.3	1.591	2.528	11.2	20.8
6 30	19 44.01	−15 7.7	1.562	2.549	7.0	20.6
7 10	19 34.81	−15 39.1	1.559	2.570	3.0	20.4
7 20	19 25.39	−16 15.4	1.581	2.590	3.5	20.5
7 30	19 16.84	−16 53.2	1.631	2.610	7.4	20.8
8 9	19 10.12	−17 29.8	1.704	2.631	11.2	21.1
8 19	19 5.81	−18 3.0	1.800	2.650	14.4	21.3

377677 2005 UU_{404} 7 13.4 174.°51 7.°3/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 56.50	− 2 11.5	2.025	2.839	14.5	22.1
6 20	19 50.83	− 1 27.7	1.953	2.841	12.0	21.9
6 30	19 43.34	− 0 59.7	1.902	2.843	9.5	21.8
7 10	19 34.66	− 0 49.3	1.875	2.844	7.6	21.7
7 20	19 25.62	− 0 56.9	1.874	2.845	7.4	21.7
7 30	19 17.13	− 1 21.1	1.898	2.845	9.1	21.8
8 9	19 10.01	− 1 58.5	1.948	2.845	11.5	21.9
8 19	19 4.87	− 2 45.1	2.019	2.844	14.0	22.1

443059 2013 FP_{13} 7 13.4 128.°78 3.°4/15.3 18

6 10	19 52.47	− 9 21.9	2.372	3.213	11.8	21.3
6 20	19 47.71	− 9 34.2	2.297	3.215	9.2	21.2
6 30	19 41.42	− 9 57.8	2.245	3.218	6.3	21.0
7 10	19 34.16	−10 31.8	2.219	3.220	3.9	20.8
7 20	19 26.59	−11 14.2	2.221	3.222	3.8	20.8
7 30	19 19.46	−12 2.3	2.251	3.224	6.2	21.0
8 9	19 13.45	−12 53.3	2.307	3.226	9.0	21.2
8 19	19 9.09	−13 44.2	2.386	3.228	11.6	21.3

431357 2007 DL_5 7 13.4 250.°28 3.°1/12.5 17

6 10	20 0.73	−28 35.0	1.701	2.579	14.0	21.5
6 20	19 54.61	−28 56.6	1.624	2.570	10.5	21.3
6 30	19 45.86	−29 16.3	1.570	2.560	6.5	21.0
7 10	19 35.36	−29 29.2	1.541	2.551	3.3	20.8
7 20	19 24.27	−29 31.7	1.538	2.541	4.7	20.9
7 30	19 13.96	−29 22.1	1.561	2.531	8.6	21.1
8 9	19 5.64	−29 1.5	1.608	2.521	12.6	21.3
8 19	19 0.10	−28 32.5	1.676	2.510	16.0	21.5

418144 2008 AA_{60} 7 13.4 143.°03 4.°5/11.9 17

6 10	20 3.28	−31 40.4	1.725	2.598	14.1	22.0
6 20	19 56.35	−32 24.4	1.666	2.607	10.6	21.8
6 30	19 46.78	−33 3.8	1.630	2.615	7.0	21.6
7 10	19 35.57	−33 32.6	1.619	2.622	4.6	21.4
7 20	19 23.95	−33 46.4	1.635	2.629	5.8	21.5
7 30	19 13.33	−33 43.8	1.677	2.636	9.1	21.7
8 9	19 4.87	−33 26.5	1.742	2.642	12.5	22.0
8 19	18 59.27	−32 58.2	1.829	2.647	15.6	22.2

312491 2008 YN_{29} 7 13.4 152.°01 2.°4/12.8 17

6 10	20 3.42	−26 50.4	1.555	2.433	15.1	20.9
6 20	19 56.54	−27 7.5	1.492	2.439	11.2	20.7
6 30	19 46.94	−27 23.6	1.452	2.444	6.8	20.5
7 10	19 35.62	−27 33.8	1.437	2.449	2.8	20.2
7 20	19 23.88	−27 34.7	1.447	2.454	4.3	20.3
7 30	19 13.18	−27 25.2	1.484	2.458	8.6	20.6
8 9	19 4.73	−27 6.4	1.545	2.461	12.8	20.9
8 19	18 59.25	−26 41.0	1.626	2.464	16.3	21.1

476156 2007 TA_{346} 7 13.4 265.°04 3.°7/11.9 18

6 10	19 57.60	−29 41.1	1.937	2.813	12.6	21.2
6 20	19 52.08	−30 27.6	1.863	2.807	9.4	21.0
6 30	19 44.28	−31 12.6	1.813	2.801	6.1	20.8
7 10	19 34.95	−31 51.1	1.789	2.795	3.7	20.6
7 20	19 25.10	−32 18.8	1.791	2.789	5.0	20.7
7 30	19 15.89	−32 33.2	1.820	2.783	8.2	20.9
8 9	19 8.37	−32 34.3	1.873	2.776	11.6	21.1
8 19	19 3.29	−32 24.2	1.948	2.770	14.6	21.3

370024 2000 GF 7 13.4 119.°44 1.°2/13.8 17

6 10	19 59.10	−17 35.0	1.783	2.650	14.0	21.7
6 20	19 52.92	−17 47.6	1.724	2.663	10.4	21.5
6 30	19 44.62	−18 7.3	1.687	2.677	6.3	21.3
7 10	19 35.01	−18 31.5	1.676	2.690	2.1	21.0
7 20	19 25.10	−18 57.4	1.692	2.702	3.0	21.1
7 30	19 15.99	−19 22.4	1.735	2.714	7.1	21.4
8 9	19 8.63	−19 44.7	1.803	2.725	10.9	21.6
8 19	19 3.62	−20 3.5	1.894	2.736	14.1	21.9

464997 2006 DA_{79} 7 13.4 154.°33 2.°0/12.9 17

6 10	20 2.64	−25 27.9	1.499	2.379	15.4	22.6
6 20	19 56.06	−25 46.5	1.436	2.384	11.4	22.4
6 30	19 46.71	−26 5.7	1.395	2.388	6.8	22.1
7 10	19 35.58	−26 20.8	1.379	2.392	2.5	21.9
7 20	19 23.99	−26 28.0	1.388	2.396	4.1	22.0
7 30	19 13.42	−26 25.7	1.423	2.399	8.7	22.3
8 9	19 5.11	−26 14.5	1.482	2.402	13.0	22.5
8 19	18 59.81	−25 56.5	1.561	2.404	16.6	22.8

80794 2000 CC_{87} 7 13.4 137.°88 0.°9/13.1 17

6 10	20 0.02	−22 53.1	1.796	2.669	13.6	20.7
6 20	19 53.70	−23 17.3	1.733	2.678	10.0	20.5
6 30	19 45.14	−23 44.5	1.694	2.686	5.9	20.3
7 10	19 35.15	−24 10.7	1.680	2.695	1.7	20.0
7 20	19 24.82	−24 32.6	1.694	2.703	3.2	20.1
7 30	19 15.28	−24 47.9	1.734	2.710	7.4	20.4
8 9	19 7.57	−24 56.3	1.800	2.717	11.2	20.6
8 19	19 2.32	−24 58.1	1.887	2.723	14.4	20.9

88087 2000 WW_{41} 7 13.4 292.°67 1.°4/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 53.08	−15 17.9	2.183	3.045	11.9	19.3
6 20	19 48.40	−15 50.1	2.101	3.038	8.9	19.1
6 30	19 41.96	−16 31.5	2.044	3.031	5.5	18.9
7 10	19 34.35	−17 19.7	2.012	3.025	2.1	18.7
7 20	19 26.30	−18 11.7	2.008	3.018	2.7	18.7
7 30	19 18.68	−19 4.1	2.033	3.012	6.2	18.9
8 9	19 12.30	−19 54.1	2.083	3.005	9.6	19.1
8 19	19 7.76	−20 39.5	2.156	2.999	12.6	19.3

151559 2002 TP_{77} 7 13.4 241.°73 0.°1/13.5 18

6 10	19 59.11	−20 41.4	1.786	2.658	13.7	20.9
6 20	19 53.25	−20 50.8	1.703	2.646	10.2	20.6
6 30	19 45.03	−21 4.8	1.642	2.634	6.1	20.4
7 10	19 35.18	−21 20.8	1.607	2.622	1.6	20.0
7 20	19 24.73	−21 35.8	1.598	2.609	3.0	20.1
7 30	19 14.87	−21 47.7	1.617	2.595	7.6	20.4
8 9	19 6.71	−21 55.4	1.660	2.582	11.7	20.6
8 19	19 1.03	−21 58.9	1.725	2.568	15.3	20.8

75794 2000 AO_{227} 7 13.4 122.°28 1.°1/13.0 18

6 10	19 57.17	−24 10.6	1.923	2.799	12.7	19.7
6 20	19 51.57	−24 24.1	1.854	2.800	9.4	19.5
6 30	19 43.88	−24 39.0	1.807	2.800	5.5	19.3
7 10	19 34.86	−24 52.2	1.786	2.801	1.7	19.0
7 20	19 25.46	−25 1.1	1.793	2.801	3.1	19.1
7 30	19 16.75	−25 4.0	1.826	2.802	7.1	19.4
8 9	19 9.68	−25 0.9	1.884	2.803	10.7	19.6
8 19	19 4.88	−24 52.3	1.964	2.803	13.9	19.8

13881 6625 $P–L$ 7 13.4 4.°34 1.°0/13.7 18

6 10	19 54.76	−18 7.8	1.244	2.137	17.0	18.4
6 20	19 50.61	−18 24.9	1.183	2.137	12.6	18.2
6 30	19 43.66	−18 52.4	1.142	2.137	7.6	17.9
7 10	19 34.85	−19 26.9	1.123	2.138	2.3	17.6
7 20	19 25.47	−20 3.9	1.128	2.140	3.6	17.7
7 30	19 17.01	−20 39.2	1.157	2.142	8.9	18.0
8 9	19 10.77	−21 9.9	1.207	2.145	13.7	18.3
8 19	19 7.54	−21 34.3	1.277	2.149	17.8	18.5

131041 2000 YA_{13} 7 13.4 117.°37 4.°9/15.5 18

6 10	19 56.58	− 7 2.1	2.172	3.001	13.2	20.2
6 20	19 50.69	− 6 43.3	2.111	3.018	10.4	20.1
6 30	19 43.16	− 6 37.1	2.073	3.035	7.5	19.9
7 10	19 34.64	− 6 43.4	2.061	3.051	5.3	19.8
7 20	19 25.92	− 7 1.4	2.076	3.067	5.1	19.8
7 30	19 17.81	− 7 28.9	2.119	3.082	7.2	20.0
8 9	19 11.05	− 8 3.2	2.187	3.097	9.9	20.2
8 19	19 6.14	− 8 41.3	2.278	3.111	12.4	20.4

199246 2006 AJ_{97} 7 13.4 72.°44 6.°5/11.1 17

6 10	20 1.12	−36 14.2	1.698	2.572	14.2	19.9
6 20	19 54.97	−37 13.1	1.643	2.578	11.1	19.7
6 30	19 46.08	−38 4.0	1.610	2.584	8.1	19.6
7 10	19 35.45	−38 39.8	1.601	2.591	6.5	19.5
7 20	19 24.37	−38 55.6	1.617	2.597	7.6	19.6
7 30	19 14.32	−38 50.3	1.659	2.603	10.3	19.7
8 9	19 6.49	−38 26.2	1.722	2.610	13.3	19.9
8 19	19 1.64	−37 47.8	1.806	2.616	16.1	20.1

233189 2005 WR_{100} 7 13.4 91.°76 4.°9/11.2 18

6 10	20 1.29	−31 7.0	1.769	2.644	13.7	20.0
6 20	19 54.84	−32 29.3	1.723	2.664	10.3	19.9
6 30	19 45.90	−33 48.1	1.700	2.684	6.9	19.7
7 10	19 35.40	−34 56.1	1.703	2.703	5.0	19.6
7 20	19 24.52	−35 47.6	1.733	2.722	6.2	19.7
7 30	19 14.57	−36 20.1	1.789	2.741	9.2	20.0
8 9	19 6.66	−36 34.3	1.869	2.759	12.3	20.2
8 19	19 1.47	−36 33.3	1.970	2.777	15.0	20.4

513802 2013 CT_{161} 7 13.4 266.°09 3.°8/15.3 18

6 10	19 52.74	− 8 55.1	2.250	3.092	12.3	21.5
6 20	19 48.05	− 8 59.2	2.169	3.087	9.7	21.3
6 30	19 41.72	− 9 15.3	2.111	3.082	6.8	21.1
7 10	19 34.31	− 9 42.8	2.078	3.076	4.3	20.9
7 20	19 26.53	−10 20.1	2.072	3.071	4.2	20.9
7 30	19 19.16	−11 4.7	2.093	3.065	6.6	21.0
8 9	19 12.96	−11 53.4	2.141	3.060	9.6	21.2
8 19	19 8.50	−12 43.4	2.211	3.055	12.4	21.4

16595 1992 UU_6 7 13.4 236.°56 5.°2/15.8 18

6 10	19 55.35	− 5 43.8	2.031	2.862	13.9	18.0
6 20	19 50.17	− 5 46.5	1.944	2.851	11.1	17.8
6 30	19 43.09	− 6 5.0	1.878	2.840	8.2	17.6
7 10	19 34.69	− 6 39.2	1.838	2.829	5.7	17.4
7 20	19 25.78	− 7 27.7	1.824	2.817	5.5	17.4
7 30	19 17.27	− 8 27.4	1.837	2.805	7.8	17.5
8 9	19 10.07	− 9 33.9	1.876	2.792	10.9	17.7
8 19	19 4.83	−10 43.0	1.937	2.779	13.9	17.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
398252 2010 RC_{168}			7 13.4 268°.55		0°.7/13.7 18	
	h m	° ′			°	m
6 10	19 54.13	−18 41.5	2.256	3.122	11.5	21.6
6 20	19 49.13	−18 53.0	2.174	3.114	8.5	21.4
6 30	19 42.38	−19 9.7	2.115	3.105	5.1	21.2
7 10	19 34.49	−19 29.7	2.083	3.097	1.6	21.0
7 20	19 26.20	−19 50.9	2.078	3.089	2.5	21.0
7 30	19 18.36	−20 11.4	2.102	3.080	6.1	21.2
8 9	19 11.77	−20 29.6	2.151	3.072	9.5	21.4
8 19	19 7.03	−20 44.8	2.223	3.063	12.4	21.6
361470 2007 DF_{31}			7 13.4 71°.64		3°.9/12.1 18	
6 10	19 57.88	−33 17.6	2.271	3.139	11.3	20.3
6 20	19 51.87	−33 40.7	2.209	3.146	8.6	20.1
6 30	19 43.94	−33 58.3	2.172	3.153	5.8	19.9
7 10	19 34.87	−34 6.8	2.161	3.161	4.0	19.8
7 20	19 25.56	−34 3.8	2.177	3.169	4.8	19.9
7 30	19 16.98	−33 48.8	2.220	3.176	7.4	20.1
8 9	19 9.98	−33 23.1	2.288	3.184	10.1	20.3
8 19	19 5.11	−32 49.1	2.379	3.191	12.6	20.4
362478 2010 SQ_{20}			7 13.4 283°.01		4°.0/11.8 18	
6 10	19 56.99	−32 43.3	2.244	3.114	11.4	21.1
6 20	19 51.37	−33 19.1	2.173	3.111	8.6	20.9
6 30	19 43.75	−33 50.7	2.125	3.107	5.9	20.8
7 10	19 34.85	−34 13.9	2.103	3.104	4.1	20.6
7 20	19 25.55	−34 25.5	2.109	3.100	5.0	20.7
7 30	19 16.88	−34 24.1	2.141	3.097	7.7	20.9
8 9	19 9.73	−34 10.4	2.199	3.093	10.5	21.0
8 19	19 4.75	−33 46.7	2.278	3.090	13.1	21.2
230385 2002 GX_{117}			7 13.4 160°.69		1°.2/12.9 18	
6 10	19 57.91	−22 56.6	2.108	2.977	12.0	20.9
6 20	19 51.99	−23 35.8	2.039	2.982	8.8	20.7
6 30	19 44.10	−24 18.2	1.994	2.986	5.2	20.5
7 10	19 34.94	−24 59.9	1.976	2.990	1.6	20.3
7 20	19 25.39	−25 37.4	1.986	2.994	3.0	20.4
7 30	19 16.44	−26 8.0	2.024	2.997	6.7	20.6
8 9	19 8.99	−26 30.6	2.088	3.000	10.1	20.8
8 19	19 3.65	−26 45.3	2.174	3.002	13.1	21.0
16789 1997 AU_{3}			7 13.4 304°.73		4°.4/12.1 18	
6 10	19 58.74	−33 6.0	1.903	2.778	12.9	17.9
6 20	19 53.04	−33 27.6	1.822	2.763	9.8	17.7
6 30	19 44.92	−33 43.6	1.764	2.748	6.7	17.4
7 10	19 35.19	−33 49.3	1.732	2.734	4.5	17.3
7 20	19 24.92	−33 41.3	1.725	2.720	5.5	17.3
7 30	19 15.36	−33 18.7	1.745	2.706	8.6	17.5
8 9	19 7.63	−32 43.0	1.788	2.692	12.0	17.6
8 19	19 2.48	−31 57.6	1.853	2.678	15.1	17.8
306455 1999 BF_{30}			7 13.4 158°.13		0°.7/13.2 17	
6 10	20 2.47	−22 42.9	1.655	2.528	14.6	22.1
6 20	19 55.70	−22 57.6	1.590	2.535	10.7	21.9
6 30	19 46.42	−23 15.1	1.548	2.541	6.3	21.7
7 10	19 35.56	−23 31.8	1.531	2.546	1.7	21.4
7 20	19 24.28	−23 44.3	1.541	2.550	3.3	21.5
7 30	19 13.90	−23 50.7	1.578	2.554	7.9	21.8
8 9	19 5.53	−23 50.9	1.639	2.558	12.0	22.0
8 19	18 59.88	−23 45.7	1.721	2.560	15.5	22.3
379164 2009 QG_{39}			7 13.4 328°.33		2°.0/13.9 16	
6 10	19 52.47	−17 3.9	1.171	2.069	17.5	21.3
6 20	19 49.31	−17 3.2	1.093	2.048	13.2	21.0
6 30	19 43.16	−17 14.0	1.034	2.028	8.3	20.7
7 10	19 34.83	−17 34.7	0.996	2.009	3.1	20.3
7 20	19 25.56	−18 2.1	0.980	1.991	4.1	20.3
7 30	19 16.97	−18 32.5	0.987	1.974	9.7	20.6
8 9	19 10.57	−19 2.3	1.015	1.959	15.0	20.8
8 19	19 7.40	−19 28.7	1.060	1.945	19.7	21.1
443575 2014 KC_{57}			7 13.4 328°.32		3°.1/14.9 18	
6 10	19 51.72	−11 36.2	1.918	2.779	13.4	20.5
6 20	19 47.63	−11 50.4	1.835	2.767	10.3	20.3
6 30	19 41.63	−12 17.1	1.774	2.756	6.9	20.1
7 10	19 34.35	−12 55.2	1.738	2.745	3.7	19.8
7 20	19 26.57	−13 42.2	1.729	2.735	3.8	19.8
7 30	19 19.24	−14 34.9	1.746	2.725	7.0	20.0
8 9	19 13.25	−15 29.3	1.787	2.716	10.6	20.2
8 19	19 9.27	−16 22.4	1.851	2.707	13.9	20.4
382386 2013 TX_{124}			7 13.4 8°.01		0°.4/13.4 17	
6 10	19 53.55	−22 7.0	1.041	1.951	18.2	19.6
6 20	19 50.08	−22 8.4	0.989	1.952	13.4	19.3
6 30	19 43.47	−22 15.0	0.955	1.954	8.0	19.0
7 10	19 34.85	−22 23.3	0.943	1.958	2.1	18.7
7 20	19 25.71	−22 29.7	0.952	1.963	4.0	18.8
7 30	19 17.77	−22 31.8	0.983	1.970	9.7	19.2
8 9	19 12.39	−22 28.7	1.034	1.979	14.8	19.5
8 19	19 10.35	−22 20.7	1.104	1.988	19.1	19.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
475855 2007 BZ_{60}			7 13.4 312°.74		1°.1/13.2 18	
	h m	° ′			°	m
6 10	19 58.39	−26 2.0	2.104	2.974	12.0	20.7
6 20	19 52.31	−25 46.0	2.027	2.970	8.8	20.5
6 30	19 44.27	−25 28.1	1.974	2.966	5.3	20.3
7 10	19 35.00	−25 6.4	1.948	2.962	1.7	20.0
7 20	19 25.42	−24 39.8	1.949	2.958	2.9	20.1
7 30	19 16.53	−24 8.4	1.979	2.954	6.6	20.3
8 9	19 9.20	−23 33.2	2.034	2.951	10.1	20.5
8 19	19 4.03	−22 56.0	2.112	2.947	13.1	20.7
177913 2005 SN_{139}			7 13.4 68°.34		5°.5/11.3 18	
6 10	19 58.86	−36 11.6	2.086	2.953	12.2	20.1
6 20	19 52.85	−37 0.0	2.031	2.963	9.5	19.9
6 30	19 44.66	−37 41.2	2.000	2.974	6.9	19.8
7 10	19 35.12	−38 9.8	1.995	2.984	5.5	19.7
7 20	19 25.27	−38 22.6	2.016	2.994	6.4	19.8
7 30	19 16.25	−38 18.4	2.062	3.005	8.7	20.0
8 9	19 9.02	−37 59.0	2.133	3.015	11.3	20.1
8 19	19 4.20	−37 27.6	2.225	3.026	13.7	20.3
339426 2005 ET_{79}			7 13.4 187°.62		1°.4/14.2 18	
6 10	19 55.79	−15 31.5	2.412	3.265	11.3	21.4
6 20	19 50.21	−15 53.5	2.333	3.265	8.4	21.2
6 30	19 42.99	−16 23.0	2.278	3.264	5.2	21.0
7 10	19 34.70	−16 57.8	2.250	3.262	2.1	20.8
7 20	19 26.04	−17 35.7	2.251	3.260	2.5	20.8
7 30	19 17.82	−18 14.1	2.280	3.257	5.8	21.0
8 9	19 10.78	−18 50.9	2.337	3.254	9.0	21.2
8 19	19 5.49	−19 24.7	2.417	3.251	11.8	21.4
300884 2008 AJ_{118}			7 13.4 96°.52		3°.7/12.2 18	
6 10	19 58.43	−31 50.9	2.108	2.979	12.0	20.5
6 20	19 52.45	−32 16.4	2.042	2.982	9.0	20.3
6 30	19 44.40	−32 37.5	2.000	2.984	5.9	20.1
7 10	19 35.06	−32 50.1	1.983	2.987	3.8	20.0
7 20	19 25.40	−32 51.5	1.994	2.989	4.8	20.1
7 30	19 16.47	−32 40.6	2.031	2.992	7.6	20.3
8 9	19 9.20	−32 18.8	2.094	2.994	10.7	20.5
8 19	19 4.21	−31 48.3	2.178	2.997	13.4	20.6
271696 2004 RN_{144}			7 13.4 260°.51		2°.9/14.5 18	
6 10	19 53.93	−12 35.9	2.605	3.449	10.8	21.1
6 20	19 48.79	−12 18.4	2.510	3.433	8.3	21.0
6 30	19 42.14	−12 7.8	2.439	3.416	5.6	20.8
7 10	19 34.48	−12 3.9	2.395	3.399	3.3	20.6
7 20	19 26.44	−12 6.2	2.380	3.382	3.4	20.6
7 30	19 18.74	−12 13.7	2.392	3.364	5.9	20.7
8 9	19 12.06	−12 25.2	2.432	3.346	8.8	20.8
8 19	19 6.93	−12 39.1	2.495	3.328	11.4	21.0
270509 2002 FQ_{26}			7 13.4 76°.63		8°.5/10.9 17	
6 10	20 5.50	−41 47.7	1.691	2.551	14.9	20.5
6 20	19 58.22	−42 52.2	1.651	2.570	12.1	20.4
6 30	19 47.99	−43 42.5	1.633	2.589	9.6	20.3
7 10	19 35.99	−44 11.0	1.639	2.608	8.5	20.2
7 20	19 23.75	−44 13.7	1.669	2.627	9.3	20.3
7 30	19 12.88	−43 50.8	1.723	2.646	11.4	20.5
8 9	19 4.62	−43 6.9	1.800	2.665	13.9	20.7
8 19	18 59.61	−42 8.2	1.896	2.683	16.2	20.9
2648 Owa			7 13.4 257°.61		0°.7/13.6 18	
6 10	20 0.66	−20 7.8	1.571	2.446	15.1	16.8
6 20	19 54.76	−20 2.6	1.485	2.430	11.3	16.5
6 30	19 46.14	−20 2.2	1.421	2.413	6.9	16.2
7 10	19 35.60	−20 4.3	1.381	2.396	2.0	15.8
7 20	19 24.29	−20 6.5	1.367	2.378	3.4	15.9
7 30	19 13.62	−20 7.0	1.380	2.360	8.4	16.1
8 9	19 4.87	−20 5.1	1.416	2.342	13.1	16.4
8 19	18 58.94	−20 1.0	1.473	2.323	17.1	16.6
4137 Crabtree			7 13.4 79°.79		2°.5/12.7 18	
6 10	20 0.28	−26 28.0	1.467	2.353	15.4	16.6
6 20	19 54.46	−26 53.3	1.405	2.355	11.4	16.4
6 30	19 45.88	−27 18.8	1.363	2.357	6.9	16.1
7 10	19 35.49	−27 39.3	1.346	2.359	2.9	15.9
7 20	19 24.61	−27 50.8	1.354	2.361	4.5	16.0
7 30	19 14.70	−27 51.1	1.387	2.363	8.9	16.3
8 9	19 7.02	−27 41.0	1.444	2.365	13.2	16.5
8 19	19 2.34	−27 22.7	1.520	2.367	16.8	16.8
279461 2010 RO_{156}			7 13.4 319°.04		4°.0/15.3 18	
6 10	19 52.28	− 9 13.6	2.082	2.930	13.0	20.6
6 20	19 47.87	− 9 16.3	2.001	2.923	10.1	20.4
6 30	19 41.71	− 9 31.6	1.943	2.916	7.1	20.2
7 10	19 34.39	− 9 59.0	1.910	2.910	4.5	20.0
7 20	19 26.65	−10 36.8	1.903	2.904	4.4	20.0
7 30	19 19.37	−11 22.4	1.924	2.898	6.9	20.1
8 9	19 13.33	−12 12.3	1.969	2.892	10.1	20.3
8 19	19 9.14	−13 3.4	2.037	2.886	13.0	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
232868 2004 TS_{354}			7 13.4 262.°64		2.°0/12.7 18	
	h m	° ′			°	m
6 10	19 57.43	−25 1.9	1.798	2.677	13.3	20.6
6 20	19 52.06	−25 39.6	1.724	2.671	9.8	20.4
6 30	19 44.37	−26 19.7	1.673	2.665	5.9	20.1
7 10	19 35.10	−26 57.5	1.646	2.659	2.4	19.9
7 20	19 25.29	−27 29.0	1.647	2.653	3.9	20.0
7 30	19 16.12	−27 51.3	1.674	2.647	7.9	20.2
8 9	19 8.68	−28 3.4	1.725	2.641	11.7	20.4
8 19	19 3.71	−28 6.3	1.798	2.635	15.0	20.6
104741 2000 HC_{9}			7 13.4 41.°30		6.°5/11.2 18	
6 10	19 59.91	−33 23.5	1.394	2.282	15.8	19.3
6 20	19 54.50	−34 37.3	1.343	2.290	12.1	19.1
6 30	19 46.02	−35 45.5	1.315	2.298	8.5	18.9
7 10	19 35.55	−36 39.4	1.309	2.306	6.5	18.8
7 20	19 24.56	−37 12.4	1.327	2.315	7.8	18.9
7 30	19 14.71	−37 22.3	1.370	2.324	11.1	19.1
8 9	19 7.38	−37 11.2	1.433	2.334	14.6	19.3
8 19	19 3.34	−36 43.8	1.516	2.343	17.8	19.6
434692 2006 BR_{97}			7 13.5 146.°68		3.°4/11.9 17	
6 10	19 59.89	−29 26.6	2.060	2.930	12.2	21.4
6 20	19 53.58	−30 16.7	1.997	2.937	9.1	21.3
6 30	19 45.12	−31 5.0	1.958	2.945	5.8	21.1
7 10	19 35.28	−31 46.4	1.946	2.952	3.5	20.9
7 20	19 25.06	−32 16.9	1.961	2.958	4.7	21.0
7 30	19 15.55	−32 34.5	2.004	2.964	7.7	21.2
8 9	19 7.71	−32 39.3	2.071	2.970	10.9	21.4
8 19	19 2.22	−32 33.3	2.161	2.975	13.6	21.6
270440 2002 CJ_{117}			7 13.5 119.°43		0.°6/13.2 17	
6 10	19 58.11	−21 47.6	1.829	2.702	13.4	21.1
6 20	19 52.32	−22 12.5	1.765	2.710	9.8	20.9
6 30	19 44.39	−22 41.3	1.725	2.718	5.8	20.7
7 10	19 35.09	−23 10.6	1.710	2.725	1.5	20.4
7 20	19 25.44	−23 37.0	1.723	2.733	3.0	20.6
7 30	19 16.52	−23 58.0	1.762	2.740	7.2	20.8
8 9	19 9.32	−24 12.6	1.827	2.747	10.9	21.1
8 19	19 4.46	−24 21.0	1.913	2.753	14.1	21.3
340462 2006 HW_{16}			7 13.5 278.°69		3.°4/12.1 18	
6 10	19 57.84	−28 21.0	1.794	2.674	13.3	21.0
6 20	19 52.43	−29 8.2	1.723	2.669	9.9	20.8
6 30	19 44.62	−29 55.1	1.675	2.665	6.3	20.5
7 10	19 35.19	−30 36.4	1.651	2.660	3.5	20.4
7 20	19 25.21	−31 7.4	1.655	2.655	4.9	20.4
7 30	19 15.92	−31 25.4	1.684	2.651	8.4	20.6
8 9	19 8.43	−31 30.2	1.738	2.646	12.0	20.8
8 19	19 3.50	−31 23.7	1.812	2.642	15.2	21.0
257443 2641 P–L			7 13.5 265.°50		1.°5/12.9 18	
6 10	20 0.16	−24 6.2	1.635	2.513	14.4	21.4
6 20	19 54.44	−24 30.1	1.547	2.494	10.8	21.1
6 30	19 46.00	−24 57.1	1.481	2.474	6.5	20.8
7 10	19 35.60	−25 22.9	1.440	2.454	2.1	20.5
7 20	19 24.36	−25 43.3	1.425	2.433	3.9	20.6
7 30	19 13.69	−25 55.3	1.436	2.412	8.6	20.8
8 9	19 4.91	−25 58.3	1.471	2.391	13.0	21.0
8 19	18 58.95	−25 53.2	1.527	2.369	17.0	21.2
1276 Ucclia			7 13.5 204.°81		0.°5/13.8 18	
6 10	19 54.12	−16 30.9	2.607	3.462	10.5	16.3
6 20	19 48.98	−17 24.8	2.525	3.460	7.7	16.2
6 30	19 42.28	−18 26.4	2.468	3.457	4.7	16.0
7 10	19 34.55	−19 32.9	2.440	3.454	1.4	15.7
7 20	19 26.43	−20 40.6	2.440	3.450	2.2	15.8
7 30	19 18.65	−21 46.3	2.470	3.447	5.5	16.0
8 9	19 11.91	−22 47.2	2.528	3.443	8.5	16.2
8 19	19 6.77	−23 41.5	2.611	3.440	11.1	16.4
521479 2015 OS_{93}			7 13.5 233.°75		0.°8/13.7 18	
6 10	19 54.92	−19 13.8	2.339	3.203	11.2	21.3
6 20	19 49.62	−19 12.0	2.261	3.200	8.3	21.1
6 30	19 42.67	−19 14.1	2.207	3.196	5.0	20.9
7 10	19 34.65	−19 18.7	2.179	3.193	1.6	20.6
7 20	19 26.30	−19 24.1	2.179	3.189	2.4	20.7
7 30	19 18.45	−19 29.3	2.208	3.186	5.9	20.9
8 9	19 11.84	−19 33.3	2.262	3.182	9.1	21.1
8 19	19 7.03	−19 35.7	2.340	3.178	11.9	21.3
175345 2005 NP_{108}			7 13.5 314.°88		0.°1/13.5 18	R
6 10	19 55.13	−20 41.1	1.953	2.827	12.6	20.5
6 20	19 50.12	−20 51.4	1.877	2.822	9.3	20.2
6 30	19 43.10	−21 6.1	1.824	2.817	5.5	20.0
7 10	19 34.78	−21 22.7	1.797	2.812	1.5	19.7
7 20	19 26.04	−21 38.7	1.797	2.807	2.7	19.8
7 30	19 17.87	−21 52.2	1.823	2.803	6.8	20.1
8 9	19 11.19	−22 2.0	1.875	2.798	10.5	20.3
8 19	19 6.66	−22 7.9	1.948	2.794	13.7	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
469576 2003 WE_{111}			7 13.5 260.°55		4.°8/11.3 18	
	h m	° ′			°	m
6 10	19 59.45	−33 10.3	2.061	2.931	12.2	21.3
6 20	19 53.58	−34 3.2	1.979	2.915	9.4	21.1
6 30	19 45.32	−34 52.6	1.919	2.899	6.6	20.9
7 10	19 35.40	−35 32.8	1.886	2.883	4.8	20.8
7 20	19 24.82	−35 59.3	1.879	2.867	5.9	20.8
7 30	19 14.79	−36 9.4	1.899	2.850	8.8	21.0
8 9	19 6.44	−36 3.7	1.943	2.833	11.9	21.1
8 19	19 0.55	−35 44.7	2.009	2.815	14.8	21.3
95321 2002 CB_{108}			7 13.5 22.°07		9.°9/10.3 18	
6 10	20 5.00	−49 28.9	2.039	2.869	13.9	18.9
6 20	19 57.88	−50 21.6	1.987	2.872	12.0	18.8
6 30	19 47.84	−50 57.0	1.957	2.876	10.5	18.7
7 10	19 36.00	−51 8.3	1.949	2.880	9.9	18.7
7 20	19 23.86	−50 52.1	1.965	2.885	10.4	18.7
7 30	19 12.98	−50 8.9	2.005	2.889	11.9	18.8
8 9	19 4.61	−49 3.1	2.066	2.894	13.7	19.0
8 19	18 59.44	−47 41.3	2.146	2.900	15.6	19.1
322947 2002 GB_{148}			7 13.5 125.°88		18.°5/21.1 18	
6 10	19 58.47	+12 59.9	1.107	1.891	25.8	20.6
6 20	19 53.53	+14 37.0	1.057	1.896	23.4	20.4
6 30	19 45.53	+15 33.6	1.021	1.901	21.1	20.3
7 10	19 35.49	+15 41.0	0.999	1.905	19.3	20.2
7 20	19 24.77	+14 55.4	0.995	1.910	18.5	20.1
7 30	19 15.03	+13 20.3	1.008	1.914	19.0	20.2
8 9	19 7.69	+11 6.9	1.038	1.918	20.6	20.3
8 19	19 3.64	+ 8 29.5	1.085	1.921	22.8	20.5
249227 2008 FZ_{120}			7 13.5 340.°40		1.°2/12.9 18	
6 10	19 53.09	−22 30.3	1.793	2.677	13.1	19.5
6 20	19 48.87	−23 9.8	1.718	2.668	9.6	19.2
6 30	19 42.50	−23 54.5	1.665	2.660	5.7	19.0
7 10	19 34.66	−24 40.1	1.638	2.652	1.8	18.7
7 20	19 26.30	−25 22.6	1.637	2.645	3.3	18.8
7 30	19 18.50	−25 58.5	1.661	2.639	7.5	19.0
8 9	19 12.29	−26 25.8	1.710	2.634	11.3	19.3
8 19	19 8.36	−26 44.3	1.780	2.629	14.7	19.5
208775 2002 PL_{142}			7 13.5 241.°87		13.°9/21.3 17	
6 10	19 58.33	+10 36.9	1.177	1.968	24.2	20.5
6 20	19 53.55	+10 32.1	1.104	1.962	21.3	20.2
6 30	19 45.68	+ 9 42.6	1.046	1.956	18.2	20.0
7 10	19 35.58	+ 8 2.3	1.005	1.950	15.4	19.8
7 20	19 24.51	+ 5 31.6	0.984	1.943	14.0	19.7
7 30	19 14.12	+ 2 19.6	0.986	1.936	14.9	19.7
8 9	19 5.95	− 1 17.0	1.011	1.930	17.7	19.9
8 19	19 1.04	− 4 59.6	1.056	1.922	21.2	20.1
66924 1999 VY_{186}			7 13.5 340.°74		1.°7/12.7 18	
6 10	19 53.84	−24 12.5	1.912	2.794	12.5	18.8
6 20	19 49.31	−24 52.0	1.839	2.788	9.2	18.6
6 30	19 42.70	−25 34.6	1.788	2.782	5.5	18.3
7 10	19 34.71	−26 16.3	1.763	2.777	2.0	18.1
7 20	19 26.24	−26 53.1	1.765	2.772	3.5	18.2
7 30	19 18.34	−27 22.1	1.793	2.768	7.3	18.4
8 9	19 11.97	−27 42.0	1.845	2.764	10.9	18.6
8 19	19 7.81	−27 52.9	1.919	2.760	14.1	18.8
1955 McMath			7 13.5 244.°69		0.°3/13.6 18	
6 10	19 55.84	−20 7.2	2.090	2.959	12.1	16.8
6 20	19 50.53	−20 17.5	2.012	2.954	9.0	16.6
6 30	19 43.32	−20 32.1	1.957	2.949	5.4	16.3
7 10	19 34.86	−20 48.9	1.929	2.943	1.5	16.1
7 20	19 25.99	−21 5.6	1.927	2.938	2.6	16.1
7 30	19 17.65	−21 20.3	1.954	2.932	6.5	16.4
8 9	19 10.72	−21 31.7	2.006	2.927	10.0	16.6
8 19	19 5.82	−21 39.6	2.080	2.921	13.1	16.8
38933 2000 SE_{237}			7 13.5 62.°77		1.°3/13.9 18	
6 10	19 59.28	−17 20.0	1.238	2.124	17.6	18.2
6 20	19 53.73	−17 37.5	1.193	2.142	13.0	18.0
6 30	19 45.40	−18 5.5	1.167	2.160	7.9	17.8
7 10	19 35.40	−18 40.2	1.164	2.179	2.5	17.5
7 20	19 25.09	−19 16.9	1.186	2.197	3.6	17.6
7 30	19 15.97	−19 51.8	1.232	2.216	8.7	18.0
8 9	19 9.22	−20 22.1	1.300	2.234	13.3	18.3
8 19	19 5.50	−20 46.5	1.389	2.253	17.1	18.6
473813 2016 EB_{111}			7 13.5 24.°03		1.°6/13.9 17	
6 10	19 56.18	−18 11.5	1.076	1.976	18.6	20.3
6 20	19 51.87	−18 7.5	1.026	1.982	13.8	20.0
6 30	19 44.50	−18 13.5	0.994	1.990	8.4	19.8
7 10	19 35.20	−18 26.8	0.984	1.998	2.8	19.5
7 20	19 25.44	−18 44.1	0.996	2.008	4.0	19.6
7 30	19 16.87	−19 2.0	1.031	2.018	9.5	19.9
8 9	19 10.84	−19 18.2	1.087	2.029	14.5	20.2
8 19	19 8.07	−19 31.1	1.160	2.041	18.7	20.5

255158 2005 UU_{183} 7 13.5 25°.25 2°.5/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 53.79	−14 48.8	1.927	2.793	13.1	20.6
6 20	19 49.01	−14 40.1	1.861	2.797	9.9	20.4
6 30	19 42.39	−14 39.7	1.817	2.803	6.3	20.2
7 10	19 34.61	−14 46.5	1.798	2.808	3.1	20.0
7 20	19 26.52	−14 59.1	1.806	2.814	3.4	20.1
7 30	19 19.05	−15 15.7	1.841	2.820	6.8	20.3
8 9	19 13.03	−15 34.2	1.900	2.827	10.2	20.5
8 19	19 9.04	−15 52.9	1.982	2.833	13.3	20.7

427071 2014 UX_{20} 7 13.5 294°.99 6°.6/15.4 17

6 10	19 56.51	− 7 33.0	1.361	2.222	17.8	21.4
6 20	19 51.75	− 7 5.0	1.291	2.217	14.2	21.2
6 30	19 44.36	− 6 55.3	1.240	2.212	10.4	21.0
7 10	19 35.19	− 7 5.1	1.211	2.207	7.2	20.8
7 20	19 25.37	− 7 33.7	1.206	2.202	7.0	20.7
7 30	19 16.29	− 8 17.8	1.224	2.198	10.1	20.9
8 9	19 9.17	− 9 12.3	1.265	2.193	14.0	21.1
8 19	19 4.84	−10 11.6	1.325	2.189	17.8	21.3

263724 2008 HS_{50} 7 13.5 177°.50 3°.0/14.5 17

6 10	19 57.63	−13 37.6	1.736	2.597	14.5	21.1
6 20	19 52.06	−13 34.5	1.664	2.598	11.1	20.9
6 30	19 44.31	−13 41.9	1.615	2.599	7.2	20.6
7 10	19 35.14	−13 58.6	1.591	2.599	3.6	20.4
7 20	19 25.51	−14 22.6	1.593	2.599	3.9	20.4
7 30	19 16.55	−14 51.1	1.621	2.599	7.6	20.7
8 9	19 9.26	−15 21.6	1.674	2.599	11.4	20.9
8 19	19 4.31	−15 51.7	1.749	2.598	14.8	21.1

435261 2007 TH_{185} 7 13.5 324°.14 2°.1/12.9 18

6 10	19 55.33	−25 34.7	1.494	2.385	14.8	20.6
6 20	19 51.03	−25 53.7	1.413	2.366	11.0	20.3
6 30	19 44.02	−26 14.4	1.353	2.348	6.7	20.0
7 10	19 35.12	−26 32.3	1.317	2.330	2.6	19.7
7 20	19 25.48	−26 43.6	1.305	2.313	4.2	19.8
7 30	19 16.51	−26 45.6	1.318	2.297	8.9	20.0
8 9	19 9.51	−26 38.2	1.354	2.282	13.4	20.2
8 19	19 5.37	−26 22.5	1.409	2.267	17.3	20.4

501798 2014 VN_{36} 7 13.5 146°.19 2°.8/12.4 17

6 10	20 1.12	−25 52.7	1.571	2.452	14.8	22.0
6 20	19 55.01	−26 44.0	1.509	2.457	10.9	21.7
6 30	19 46.22	−27 37.1	1.470	2.462	6.7	21.5
7 10	19 35.67	−28 26.0	1.455	2.467	3.0	21.3
7 20	19 24.59	−29 5.2	1.467	2.471	4.6	21.4
7 30	19 14.40	−29 31.4	1.505	2.476	8.8	21.7
8 9	19 6.32	−29 44.2	1.566	2.479	12.8	21.9
8 19	19 1.12	−29 45.5	1.647	2.483	16.2	22.1

357513 2004 RX_{39} 7 13.5 320°.78 2°.2/12.7 18

6 10	19 54.50	−26 9.6	1.841	2.724	12.8	20.8
6 20	19 50.00	−26 36.3	1.755	2.705	9.5	20.5
6 30	19 43.23	−27 4.3	1.693	2.686	5.8	20.3
7 10	19 34.90	−27 29.5	1.655	2.667	2.5	20.0
7 20	19 25.96	−27 48.4	1.643	2.650	3.9	20.1
7 30	19 17.54	−27 58.5	1.658	2.632	7.8	20.3
8 9	19 10.73	−27 59.2	1.696	2.615	11.7	20.4
8 19	19 6.29	−27 51.4	1.755	2.599	15.0	20.6

491958 2013 CX_{205} 7 13.5 70°.31 0°.1/13.5 14 C

6 10	19 56.98	−22 0.1	2.097	2.967	12.1	21.3
6 20	19 51.18	−21 51.9	2.036	2.978	8.9	21.1
6 30	19 43.59	−21 45.4	1.998	2.990	5.2	20.9
7 10	19 34.93	−21 39.2	1.987	3.002	1.4	20.7
7 20	19 26.06	−21 31.8	2.003	3.013	2.5	20.8
7 30	19 17.90	−21 22.4	2.047	3.025	6.3	21.0
8 9	19 11.24	−21 11.1	2.117	3.037	9.6	21.3
8 19	19 6.61	−20 58.1	2.209	3.049	12.5	21.5

139246 2001 HQ_{32} 7 13.5 24°.06 6°.2/11.5 18

6 10	19 59.92	−32 35.6	1.316	2.208	16.4	19.4
6 20	19 54.68	−33 39.1	1.262	2.211	12.5	19.2
6 30	19 46.25	−34 37.7	1.229	2.215	8.6	19.0
7 10	19 35.70	−35 22.8	1.218	2.219	6.2	18.8
7 20	19 24.58	−35 48.0	1.231	2.224	7.6	18.9
7 30	19 14.62	−35 50.8	1.268	2.229	11.2	19.1
8 9	19 7.26	−35 33.6	1.325	2.234	15.0	19.4
8 19	19 3.32	−35 1.0	1.401	2.240	18.4	19.6

67965 2000 WX_{181} 7 13.5 212°.00 3°.2/15.3 18

6 10	19 53.12	− 9 3.9	2.589	3.424	11.1	19.4
6 20	19 48.20	− 9 19.4	2.505	3.420	8.7	19.3
6 30	19 41.82	− 9 45.8	2.444	3.415	6.0	19.1
7 10	19 34.49	−10 22.1	2.410	3.410	3.7	18.9
7 20	19 26.81	−11 6.6	2.405	3.405	3.6	18.9
7 30	19 19.49	−11 56.6	2.427	3.399	5.8	19.0
8 9	19 13.18	−12 49.5	2.477	3.393	8.6	19.2
8 19	19 8.39	−13 42.5	2.550	3.387	11.1	19.4

446509 2014 KC_{72} 7 13.5 181°.44 3°.4/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 53.29	− 9 27.5	2.535	3.372	11.3	21.7
6 20	19 48.30	− 9 27.7	2.457	3.372	8.8	21.5
6 30	19 41.87	− 9 38.0	2.402	3.372	6.1	21.3
7 10	19 34.50	− 9 57.8	2.374	3.372	3.9	21.2
7 20	19 26.83	−10 25.7	2.373	3.372	3.8	21.2
7 30	19 19.57	−10 59.9	2.401	3.371	6.0	21.3
8 9	19 13.37	−11 37.8	2.455	3.371	8.7	21.5
8 19	19 8.72	−12 17.2	2.533	3.370	11.2	21.6

195135 2002 CE_{171} 7 13.5 95°.88 2°.5/12.5 18

6 10	20 0.12	−26 44.6	1.844	2.718	13.2	20.4
6 20	19 53.77	−27 22.7	1.792	2.736	9.7	20.2
6 30	19 45.23	−28 0.2	1.763	2.754	5.9	20.0
7 10	19 35.37	−28 32.7	1.761	2.772	2.7	19.8
7 20	19 25.25	−28 56.3	1.786	2.790	4.0	20.0
7 30	19 16.02	−29 9.4	1.837	2.807	7.6	20.2
8 9	19 8.63	−29 12.0	1.913	2.823	11.0	20.5
8 19	19 3.68	−29 5.9	2.011	2.840	14.0	20.7

435590 2008 RW_{140} 7 13.5 282°.54 8°.2/16.1 18

6 10	19 54.56	− 1 13.6	1.842	2.661	15.6	21.3
6 20	19 49.87	− 0 31.2	1.752	2.642	13.1	21.1
6 30	19 43.11	− 0 6.4	1.682	2.622	10.5	20.9
7 10	19 34.88	− 0 2.0	1.635	2.603	8.6	20.7
7 20	19 26.03	− 0 19.0	1.612	2.584	8.4	20.7
7 30	19 17.56	− 0 56.1	1.614	2.564	10.1	20.7
8 9	19 10.45	− 1 49.5	1.640	2.544	12.9	20.9
8 19	19 5.47	− 2 54.2	1.686	2.525	15.8	21.0

502968 2015 FH_{8} 7 13.5 228°.66 1°.0/13.8 17

6 10	19 59.75	−17 57.1	1.875	2.739	13.5	22.8
6 20	19 53.72	−18 11.0	1.788	2.727	10.1	22.6
6 30	19 45.39	−18 32.1	1.725	2.714	6.2	22.3
7 10	19 35.49	−18 57.9	1.687	2.701	2.0	22.0
7 20	19 24.95	−19 25.6	1.677	2.687	3.0	22.1
7 30	19 14.92	−19 52.4	1.694	2.672	7.3	22.3
8 9	19 6.48	−20 16.3	1.736	2.656	11.4	22.5
8 19	19 0.38	−20 36.4	1.801	2.640	14.9	22.7

170160 2003 EM_{40} 7 13.5 86°.72 18°.6/ 4.2 18

6 10	20 14.72	−52 40.9	1.097	1.949	21.7	19.0
6 20	20 8.72	−55 56.0	1.069	1.955	19.8	18.9
6 30	19 56.24	−58 42.3	1.059	1.961	18.7	18.8
7 10	19 38.62	−60 39.8	1.067	1.966	18.8	18.9
7 20	19 19.01	−61 36.3	1.093	1.972	20.0	19.0
7 30	19 1.73	−61 31.9	1.134	1.978	21.7	19.1
8 9	18 50.12	−60 38.7	1.190	1.983	23.7	19.3
8 19	18 45.42	−59 12.0	1.258	1.989	25.6	19.5

96834 1999 RG_{199} 7 13.5 285°.46 7°.2/10.9 18

6 10	20 3.53	−39 4.1	1.869	2.731	13.6	19.1
6 20	19 57.11	−39 52.5	1.778	2.704	11.0	18.9
6 30	19 47.70	−40 32.3	1.710	2.676	8.5	18.7
7 10	19 36.14	−40 56.0	1.666	2.648	7.2	18.6
7 20	19 23.68	−40 58.0	1.648	2.619	8.2	18.5
7 30	19 11.89	−40 36.1	1.654	2.591	10.9	18.6
8 9	19 2.20	−39 52.7	1.684	2.562	14.0	18.8
8 19	18 55.60	−38 52.9	1.734	2.533	17.0	18.9

19798 2000 RP_{51} 7 13.5 216°.83 0°.7/13.1 18

6 10	19 55.20	−23 0.8	2.630	3.494	10.1	19.4
6 20	19 49.78	−23 20.4	2.547	3.487	7.4	19.2
6 30	19 42.78	−23 41.9	2.489	3.481	4.4	19.0
7 10	19 34.76	−24 3.1	2.459	3.474	1.3	18.7
7 20	19 26.38	−24 21.7	2.458	3.467	2.4	18.8
7 30	19 18.43	−24 36.1	2.485	3.459	5.6	19.0
8 9	19 11.60	−24 45.6	2.539	3.452	8.6	19.2
8 19	19 6.44	−24 50.2	2.617	3.443	11.2	19.4

444074 2004 RJ_{282} 7 13.5 294°.30 0°.4/13.7 18

6 10	19 54.10	−19 34.8	2.184	3.053	11.7	21.6
6 20	19 49.30	−19 45.5	2.094	3.036	8.7	21.4
6 30	19 42.65	−20 0.9	2.028	3.019	5.2	21.2
7 10	19 34.75	−20 19.3	1.988	3.002	1.5	20.9
7 20	19 26.36	−20 38.4	1.975	2.986	2.5	20.9
7 30	19 18.39	−20 56.2	1.990	2.969	6.3	21.1
8 9	19 11.68	−21 11.3	2.030	2.953	9.9	21.3
8 19	19 6.89	−21 23.0	2.093	2.936	13.0	21.5

521605 2015 PP_{319} 7 13.5 310°.60 5°.0/16.2 15

6 10	19 51.87	− 5 28.1	2.057	2.892	13.6	21.1
6 20	19 47.72	− 5 44.1	1.964	2.874	10.9	20.8
6 30	19 41.76	− 6 16.8	1.894	2.857	8.0	20.6
7 10	19 34.53	− 7 6.3	1.847	2.840	5.5	20.4
7 20	19 26.77	− 8 10.5	1.828	2.823	5.2	20.4
7 30	19 19.35	− 9 25.8	1.835	2.806	7.5	20.5
8 9	19 13.12	−10 47.3	1.867	2.789	10.6	20.7
8 19	19 8.75	−12 10.3	1.923	2.773	13.6	20.8

418109 2007 XV_{56} 7 13.5 203°.95 2°.5/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 1.19	−25 35.6	1.785	2.658	13.6	21.4
6 20	19 54.94	−26 25.1	1.710	2.654	10.1	21.1
6 30	19 46.18	−27 17.0	1.658	2.650	6.2	20.9
7 10	19 35.71	−28 5.8	1.633	2.645	2.7	20.7
7 20	19 24.60	−28 46.5	1.634	2.639	4.3	20.8
7 30	19 14.16	−29 15.7	1.663	2.632	8.3	21.0
8 9	19 5.55	−29 32.5	1.716	2.625	12.1	21.2
8 19	18 59.58	−29 38.3	1.790	2.618	15.5	21.4

199655 2006 GC_{39} 7 13.5 102°.45 6°.6/16.4 17

6 10	19 56.19	− 2 43.9	2.031	2.848	14.4	20.3
6 20	19 50.57	− 2 14.4	1.973	2.865	11.8	20.2
6 30	19 43.23	− 2 1.3	1.937	2.882	9.1	20.0
7 10	19 34.86	− 2 5.3	1.925	2.899	7.1	20.0
7 20	19 26.27	− 2 25.8	1.938	2.915	6.8	20.0
7 30	19 18.31	− 3 0.5	1.978	2.931	8.4	20.1
8 9	19 11.76	− 3 45.7	2.043	2.946	10.8	20.3
8 19	19 7.13	− 4 37.3	2.130	2.962	13.2	20.5

443351 2014 GW_{32} 7 13.5 28°.82 4°.1/15.5 17

6 10	19 52.58	− 8 37.4	2.004	2.851	13.4	21.0
6 20	19 48.10	− 8 44.4	1.935	2.856	10.5	20.8
6 30	19 41.87	− 9 4.9	1.888	2.860	7.3	20.6
7 10	19 34.53	− 9 38.3	1.866	2.865	4.7	20.4
7 20	19 26.86	−10 22.3	1.870	2.870	4.5	20.4
7 30	19 19.71	−11 13.8	1.902	2.876	7.0	20.6
8 9	19 13.89	−12 9.1	1.958	2.882	10.1	20.8
8 19	19 9.96	−13 4.7	2.037	2.888	13.0	21.0

79019 1071 $T\text{-}_2$ 7 13.5 309°.17 5°.4/11.9 18

6 10	19 59.58	−31 41.9	1.340	2.232	16.1	19.0
6 20	19 54.63	−32 24.3	1.266	2.216	12.3	18.7
6 30	19 46.39	−33 3.1	1.212	2.200	8.3	18.4
7 10	19 35.82	−33 30.9	1.181	2.185	5.5	18.2
7 20	19 24.37	−33 41.2	1.173	2.171	7.0	18.2
7 30	19 13.80	−33 31.5	1.189	2.156	11.0	18.4
8 9	19 5.73	−33 3.5	1.226	2.143	15.4	18.6
8 19	19 1.14	−32 21.7	1.282	2.129	19.3	18.9

137562 1999 VX_{95} 7 13.5 227°.79 1°.5/12.9 18

6 10	20 0.57	−24 10.9	1.838	2.710	13.4	21.0
6 20	19 54.43	−24 39.6	1.756	2.700	9.9	20.7
6 30	19 45.86	−25 10.8	1.697	2.689	6.0	20.5
7 10	19 35.63	−25 40.4	1.664	2.678	2.0	20.2
7 20	19 24.76	−26 4.7	1.658	2.666	3.6	20.3
7 30	19 14.50	−26 20.8	1.680	2.653	7.8	20.5
8 9	19 5.96	−26 28.1	1.726	2.640	11.8	20.7
8 19	18 59.95	−26 27.6	1.794	2.627	15.2	20.9

109577 2001 QD_{271} 7 13.5 240°.14 3°.1/12.6 18

6 10	20 1.03	−28 35.3	1.745	2.621	13.8	19.7
6 20	19 54.87	−28 58.9	1.669	2.613	10.3	19.5
6 30	19 46.14	−29 20.7	1.615	2.605	6.5	19.2
7 10	19 35.70	−29 35.8	1.586	2.596	3.3	19.0
7 20	19 24.68	−29 40.6	1.584	2.588	4.6	19.1
7 30	19 14.41	−29 33.5	1.609	2.579	8.5	19.3
8 9	19 6.09	−29 15.3	1.657	2.569	12.3	19.5
8 19	19 0.49	−28 48.5	1.727	2.560	15.7	19.7

367050 2006 HW_{12} 7 13.5 133°.02 0°.9/13.1 17

6 10	20 0.39	−21 20.8	1.472	2.352	15.6	21.2
6 20	19 54.53	−22 2.7	1.410	2.359	11.5	20.9
6 30	19 45.97	−22 51.2	1.371	2.365	6.8	20.7
7 10	19 35.65	−23 40.9	1.356	2.371	1.9	20.4
7 20	19 24.80	−24 26.4	1.367	2.377	3.7	20.5
7 30	19 14.85	−25 3.8	1.403	2.382	8.5	20.8
8 9	19 7.03	−25 31.3	1.464	2.387	12.9	21.1
8 19	19 2.11	−25 49.2	1.544	2.391	16.6	21.3

5435 Kameoka 7 13.5 180°.69 0°.3/13.3 18

6 10	19 54.38	−19 49.5	2.701	3.561	10.0	17.5
6 20	19 49.14	−20 37.1	2.624	3.562	7.3	17.3
6 30	19 42.40	−21 29.6	2.571	3.562	4.3	17.1
7 10	19 34.67	−22 24.1	2.547	3.562	1.1	16.9
7 20	19 26.59	−23 17.5	2.552	3.562	2.2	16.9
7 30	19 18.88	−24 7.1	2.587	3.561	5.4	17.2
8 9	19 12.22	−24 50.9	2.648	3.561	8.3	17.3
8 19	19 7.13	−25 28.0	2.735	3.559	10.8	17.5

157401 2004 TY_{240} 7 13.5 136°.48 8°.2/17.3 18

6 10	19 53.08	+ 5 36.2	2.689	3.448	12.7	20.0
6 20	19 48.05	+ 6 30.4	2.619	3.454	11.1	19.9
6 30	19 41.68	+ 7 8.6	2.571	3.459	9.5	19.8
7 10	19 34.47	+ 7 28.7	2.546	3.464	8.4	19.7
7 20	19 27.01	+ 7 30.0	2.547	3.470	8.2	19.7
7 30	19 19.95	+ 7 13.2	2.572	3.475	8.9	19.8
8 9	19 13.88	+ 6 41.0	2.622	3.479	10.3	19.9
8 19	19 9.26	+ 5 56.8	2.693	3.484	11.8	20.0

284980 2010 GC_{118} 7 13.5 231°.87 3°.1/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 54.76	−11 16.5	2.080	2.930	12.9	21.2
6 20	19 49.75	−11 26.7	1.999	2.925	9.9	21.0
6 30	19 42.90	−11 48.5	1.941	2.920	6.7	20.8
7 10	19 34.83	−12 20.5	1.909	2.914	3.7	20.6
7 20	19 26.32	−13 0.8	1.904	2.908	3.8	20.6
7 30	19 18.27	−13 46.4	1.926	2.902	6.8	20.7
8 9	19 11.52	−14 34.1	1.974	2.896	10.1	20.9
8 19	19 6.70	−15 21.1	2.044	2.889	13.2	21.1

512910 2016 XB_4 7 13.5 268°.49 2°.5/12.1 18

6 10	19 55.45	−26 42.8	2.321	3.192	11.0	20.9
6 20	19 50.32	−27 37.6	2.237	3.180	8.1	20.7
6 30	19 43.29	−28 34.1	2.178	3.168	5.1	20.5
7 10	19 34.95	−29 27.9	2.146	3.155	2.6	20.3
7 20	19 26.07	−30 15.1	2.142	3.143	3.9	20.4
7 30	19 17.60	−30 52.6	2.165	3.130	7.0	20.6
8 9	19 10.41	−31 19.1	2.214	3.117	10.1	20.7
8 19	19 5.17	−31 35.1	2.286	3.104	12.8	20.9

480743 2016 NV_{14} 7 13.5 349°.95 4°.9/16.1 18

6 10	19 52.94	− 6 36.7	1.385	2.247	17.5	20.4
6 20	19 49.15	− 7 20.1	1.313	2.242	13.8	20.1
6 30	19 42.88	− 8 28.3	1.261	2.238	9.6	19.9
7 10	19 34.89	− 9 59.1	1.232	2.234	5.8	19.7
7 20	19 26.22	−11 47.1	1.227	2.232	5.3	19.6
7 30	19 18.19	−13 44.0	1.247	2.230	8.8	19.8
8 9	19 11.98	−15 41.1	1.291	2.228	13.1	20.1
8 19	19 8.43	−17 30.9	1.356	2.228	17.0	20.3

191073 2002 CZ_{203} 7 13.5 180°.67 3°.8/12.3 18

6 10	20 1.50	−31 22.7	1.968	2.837	12.7	20.9
6 20	19 54.91	−31 48.8	1.899	2.838	9.6	20.7
6 30	19 46.02	−32 10.7	1.853	2.838	6.3	20.5
7 10	19 35.66	−32 23.6	1.834	2.839	3.9	20.3
7 20	19 24.90	−32 24.5	1.841	2.838	4.9	20.4
7 30	19 14.94	−32 12.2	1.876	2.838	8.1	20.6
8 9	19 6.81	−31 48.3	1.935	2.837	11.4	20.8
8 19	19 1.19	−31 15.5	2.016	2.835	14.3	21.0

311572 2006 FH_{42} 7 13.5 194°.00 3°.7/14.7 17

6 10	19 59.04	−11 58.7	1.572	2.433	15.8	21.3
6 20	19 53.36	−11 56.5	1.500	2.432	12.2	21.0
6 30	19 45.24	−12 7.5	1.449	2.430	8.1	20.8
7 10	19 35.49	−12 30.8	1.422	2.428	4.4	20.6
7 20	19 25.17	−13 4.1	1.420	2.426	4.6	20.6
7 30	19 15.56	−13 43.9	1.445	2.423	8.3	20.8
8 9	19 7.77	−14 26.5	1.494	2.420	12.5	21.0
8 19	19 2.58	−15 8.9	1.563	2.416	16.1	21.3

391329 2006 TM_{120} 7 13.5 313°.37 2°.4/14.6 18

6 10	19 53.62	−13 10.8	1.942	2.804	13.2	21.0
6 20	19 49.05	−13 30.9	1.864	2.798	10.1	20.7
6 30	19 42.55	−14 2.3	1.807	2.792	6.5	20.5
7 10	19 34.77	−14 43.3	1.777	2.786	3.1	20.3
7 20	19 26.51	−15 31.0	1.772	2.780	3.3	20.3
7 30	19 18.74	−16 21.9	1.795	2.775	6.8	20.5
8 9	19 12.35	−17 12.7	1.843	2.770	10.4	20.7
8 19	19 7.99	−18 0.6	1.914	2.765	13.7	20.9

248474 2005 UK_{100} 7 13.5 286°.92 4°.9/15.6 18

6 10	19 52.90	− 6 54.4	2.235	3.069	12.7	20.8
6 20	19 48.24	− 6 37.6	2.154	3.064	10.1	20.6
6 30	19 41.94	− 6 33.2	2.096	3.059	7.4	20.5
7 10	19 34.59	− 6 41.5	2.063	3.053	5.3	20.3
7 20	19 26.86	− 7 1.9	2.057	3.048	5.1	20.3
7 30	19 19.57	− 7 32.5	2.077	3.043	7.2	20.4
8 9	19 13.44	− 8 10.6	2.123	3.038	9.9	20.6
8 19	19 9.04	− 8 53.1	2.192	3.033	12.5	20.8

513441 2008 UT_{364} 7 13.5 268°.69 3°.9/15.3 18

6 10	19 55.92	− 8 52.8	2.063	2.904	13.4	22.1
6 20	19 50.81	− 9 7.6	1.961	2.879	10.5	21.8
6 30	19 43.68	− 9 36.7	1.882	2.854	7.3	21.6
7 10	19 35.10	−10 19.5	1.828	2.828	4.5	21.4
7 20	19 25.82	−11 14.1	1.801	2.802	4.4	21.3
7 30	19 16.82	−12 17.1	1.802	2.776	7.3	21.4
8 9	19 9.03	−13 24.4	1.828	2.749	10.9	21.6
8 19	19 3.23	−14 32.0	1.878	2.721	14.2	21.7

444341 2005 WY_{112} 7 13.5 218°.90 1°.7/14.5 18

6 10	19 53.31	−13 59.9	2.836	3.683	10.0	22.1
6 20	19 48.29	−14 18.7	2.748	3.675	7.5	22.0
6 30	19 41.88	−14 44.7	2.685	3.667	4.8	21.8
7 10	19 34.57	−15 16.5	2.649	3.658	2.2	21.6
7 20	19 26.91	−15 52.4	2.642	3.649	2.4	21.6
7 30	19 19.57	−16 30.2	2.664	3.640	5.1	21.8
8 9	19 13.17	−17 8.0	2.713	3.630	7.9	21.9
8 19	19 8.20	−17 44.1	2.787	3.620	10.4	22.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
331159 2010 XL_{43}			7 13.5 217°.87		1°.1/13.9 17	
	h m	° ′			°	m
6 10	19 58.08	−16 49.6	1.700	2.569	14.4	21.2
6 20	19 52.61	−17 15.6	1.624	2.565	10.8	21.0
6 30	19 44.79	−17 51.3	1.570	2.560	6.6	20.7
7 10	19 35.38	−18 33.7	1.541	2.555	2.2	20.4
7 20	19 25.38	−19 19.0	1.539	2.550	3.1	20.5
7 30	19 15.99	−20 3.3	1.564	2.544	7.6	20.7
8 9	19 8.31	−20 43.7	1.613	2.538	11.8	21.0
8 19	19 3.10	−21 18.5	1.683	2.532	15.4	21.2
3266 Bernardus			7 13.5 295°.46		0°.4/13.3 18	A
6 10	20 0.59	− 9 54.0	0.998	1.879	21.2	15.2
6 20	19 56.29	−12 48.5	0.918	1.866	16.1	14.8
6 30	19 48.05	−16 31.2	0.858	1.852	9.8	14.4
7 10	19 36.49	−20 50.4	0.823	1.838	2.5	14.0
7 20	19 22.97	−25 22.5	0.815	1.825	5.2	14.1
7 30	19 9.69	−29 39.2	0.833	1.812	12.6	14.4
8 9	18 58.97	−33 19.6	0.875	1.799	19.1	14.8
8 19	18 52.52	−36 15.5	0.935	1.787	24.4	15.1
260149 2004 RT_{6}			7 13.5 14°.52		4°.2/11.6 18	
6 10	19 54.33	−28 49.3	1.627	2.517	13.9	19.5
6 20	19 50.02	−29 57.1	1.571	2.522	10.3	19.2
6 30	19 43.28	−31 4.6	1.537	2.528	6.7	19.1
7 10	19 34.97	−32 5.2	1.528	2.534	4.2	18.9
7 20	19 26.20	−32 53.4	1.544	2.542	5.6	19.0
7 30	19 18.22	−33 25.6	1.586	2.551	9.0	19.2
8 9	19 12.13	−33 41.7	1.650	2.560	12.5	19.5
8 19	19 8.66	−33 43.5	1.734	2.570	15.6	19.7
476910 2008 WN_{42}			7 13.5 290°.72		1°.7/13.9 16	
6 10	19 56.83	−17 36.5	1.792	2.662	13.7	21.5
6 20	19 51.50	−17 25.8	1.717	2.658	10.3	21.3
6 30	19 44.03	−17 21.3	1.665	2.654	6.4	21.0
7 10	19 35.16	−17 21.7	1.638	2.651	2.4	20.8
7 20	19 25.85	−17 25.4	1.637	2.647	3.2	20.8
7 30	19 17.18	−17 30.8	1.663	2.643	7.2	21.0
8 9	19 10.13	−17 36.8	1.713	2.639	11.1	21.3
8 19	19 5.38	−17 42.3	1.785	2.635	14.5	21.5
497516 2006 BN_{102}			7 13.5 93°.39		2°.9/14.5 17	
6 10	19 58.77	−13 34.3	1.338	2.212	17.2	21.7
6 20	19 53.39	−13 49.5	1.279	2.221	13.1	21.4
6 30	19 45.32	−14 19.3	1.241	2.229	8.3	21.2
7 10	19 35.52	−15 0.9	1.226	2.237	3.8	20.9
7 20	19 25.24	−15 50.1	1.236	2.245	4.1	21.0
7 30	19 15.89	−16 42.1	1.271	2.253	8.7	21.3
8 9	19 8.68	−17 32.5	1.329	2.261	13.2	21.6
8 19	19 4.38	−18 18.3	1.406	2.269	17.0	21.8
115448 2003 TU_{9}			7 13.5 220°.31		5°.5/11.8 18	
6 10	20 4.81	−38 39.0	2.307	3.157	11.8	20.6
6 20	19 57.23	−39 1.6	2.229	3.149	9.3	20.5
6 30	19 47.36	−39 14.8	2.174	3.140	7.0	20.3
7 10	19 36.03	−39 13.8	2.146	3.131	5.6	20.2
7 20	19 24.31	−38 55.6	2.146	3.121	6.3	20.2
7 30	19 13.39	−38 20.1	2.172	3.111	8.5	20.3
8 9	19 4.29	−37 30.0	2.225	3.101	11.1	20.5
8 19	18 57.70	−36 29.3	2.299	3.090	13.6	20.6
314488 2005 WR_{165}			7 13.5 234°.67		0°.7/13.2 18	
6 10	19 54.86	−22 38.0	2.601	3.466	10.2	22.5
6 20	19 49.60	−23 0.5	2.516	3.457	7.5	22.3
6 30	19 42.74	−23 25.5	2.456	3.447	4.4	22.1
7 10	19 34.82	−23 50.5	2.423	3.437	1.3	21.9
7 20	19 26.52	−24 13.3	2.418	3.427	2.4	22.0
7 30	19 18.62	−24 31.9	2.442	3.417	5.6	22.2
8 9	19 11.83	−24 45.6	2.493	3.406	8.7	22.3
8 19	19 6.71	−24 54.1	2.567	3.395	11.3	22.5
223597 2004 GC_{50}			7 13.5 304°.41		4°.5/14.6 18	
6 10	19 56.02	−12 14.4	1.467	2.337	16.2	20.1
6 20	19 51.38	−11 45.4	1.387	2.323	12.6	19.8
6 30	19 44.21	−11 28.4	1.328	2.310	8.6	19.5
7 10	19 35.27	−11 23.8	1.292	2.297	5.1	19.3
7 20	19 25.64	−11 31.2	1.280	2.284	5.3	19.3
7 30	19 16.63	−11 48.6	1.293	2.271	9.1	19.4
8 9	19 9.45	−12 13.2	1.328	2.259	13.3	19.7
8 19	19 4.95	−12 41.9	1.383	2.247	17.2	19.9
10895 Aynrand			7 13.5 171°.80		3°.0/12.4 18	
6 10	20 1.57	−26 32.7	1.543	2.424	15.0	17.6
6 20	19 55.47	−27 20.5	1.478	2.426	11.1	17.4
6 30	19 46.60	−28 9.7	1.435	2.427	6.8	17.1
7 10	19 35.88	−28 54.0	1.417	2.428	3.3	16.9
7 20	19 24.58	−29 27.9	1.425	2.429	4.8	17.0
7 30	19 14.15	−29 48.3	1.459	2.430	9.0	17.3
8 9	19 5.89	−29 55.1	1.516	2.430	13.1	17.5
8 19	19 0.59	−29 50.5	1.593	2.430	16.7	17.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
106402 2000 VD_{28}			7 13.5 249°.88		3°.2/14.5 18	
	h m	° ′			°	m
6 10	19 58.23	−13 17.3	1.600	2.464	15.4	20.1
6 20	19 52.89	−13 16.8	1.517	2.453	11.8	19.9
6 30	19 45.06	−13 28.3	1.456	2.440	7.8	19.6
7 10	19 35.50	−13 50.9	1.419	2.428	3.9	19.3
7 20	19 25.23	−14 22.2	1.408	2.415	4.2	19.3
7 30	19 15.52	−14 59.1	1.422	2.401	8.3	19.5
8 9	19 7.56	−15 38.2	1.460	2.388	12.6	19.8
8 19	19 2.18	−16 16.6	1.520	2.374	16.4	20.0
75409 1999 XR_{104}			7 13.5 286°.29		8°.9/ 7.5 18	
6 10	20 4.27	−35 10.3	1.569	2.444	15.1	18.9
6 20	19 58.73	−37 46.9	1.478	2.412	12.2	18.6
6 30	19 49.43	−40 28.4	1.411	2.380	9.7	18.4
7 10	19 36.88	−43 0.8	1.370	2.347	9.0	18.2
7 20	19 22.27	−45 10.0	1.356	2.314	10.9	18.3
7 30	19 7.56	−46 45.6	1.366	2.281	14.3	18.4
8 9	18 54.92	−47 45.4	1.397	2.247	18.0	18.5
8 19	18 46.07	−48 13.4	1.445	2.212	21.3	18.7
481057 2005 LS_{41}			7 13.5 308°.99		1°.5/13.7 16	
6 10	19 59.19	−20 37.1	1.819	2.690	13.6	20.3
6 20	19 53.39	−19 48.6	1.724	2.666	10.2	20.1
6 30	19 45.26	−18 59.9	1.653	2.643	6.3	19.8
7 10	19 35.54	−18 11.0	1.607	2.620	2.3	19.5
7 20	19 25.21	−17 22.3	1.588	2.598	3.3	19.5
7 30	19 15.44	−16 34.9	1.596	2.575	7.6	19.7
8 9	19 7.32	−15 50.1	1.630	2.553	11.8	19.9
8 19	19 1.62	−15 9.2	1.685	2.531	15.4	20.1
394648 2007 YF_{74}			7 13.5 104°.22		2°.2/14.7 17	
6 10	19 54.57	−12 52.2	2.366	3.215	11.6	21.7
6 20	19 49.30	−13 11.0	2.303	3.230	8.8	21.6
6 30	19 42.49	−13 38.8	2.264	3.245	5.6	21.4
7 10	19 34.76	−14 13.7	2.251	3.260	2.8	21.2
7 20	19 26.78	−14 53.5	2.267	3.274	2.9	21.3
7 30	19 19.32	−15 35.5	2.311	3.288	5.8	21.5
8 9	19 13.07	−16 17.4	2.382	3.302	8.7	21.7
8 19	19 8.51	−16 57.2	2.476	3.315	11.3	21.9
412297 2013 JY_{42}			7 13.5 146°.10		4°.1/12.1 17	
6 10	20 2.78	−28 31.3	1.468	2.351	15.5	21.0
6 20	19 56.51	−29 30.2	1.409	2.356	11.6	20.8
6 30	19 47.28	−30 28.6	1.371	2.361	7.4	20.6
7 10	19 36.09	−31 19.1	1.358	2.366	4.3	20.4
7 20	19 24.32	−31 55.6	1.371	2.370	5.8	20.5
7 30	19 13.56	−32 14.8	1.408	2.374	9.8	20.8
8 9	19 5.14	−32 17.5	1.468	2.378	13.8	21.0
8 19	18 59.90	−32 6.8	1.549	2.381	17.2	21.2
507179 2010 JB_{7}			7 13.5 196°.73		5°.4/10.9 17	
6 10	20 1.49	−35 13.6	2.171	3.034	12.0	21.7
6 20	19 54.99	−36 16.4	2.101	3.031	9.3	21.5
6 30	19 46.17	−37 14.0	2.055	3.028	6.8	21.4
7 10	19 35.79	−38 0.3	2.035	3.025	5.4	21.3
7 20	19 24.86	−38 30.8	2.043	3.021	6.4	21.3
7 30	19 14.57	−38 43.5	2.077	3.016	8.8	21.5
8 9	19 5.99	−38 39.2	2.135	3.011	11.5	21.6
8 19	18 59.87	−38 20.9	2.215	3.006	14.1	21.8
52944 1998 SO_{142}			7 13.5 318°.26		4°.9/11.6 17	
6 10	19 57.23	−29 5.9	1.329	2.225	16.0	19.0
6 20	19 52.91	−30 11.9	1.257	2.211	12.1	18.7
6 30	19 45.43	−31 19.3	1.206	2.197	7.9	18.5
7 10	19 35.67	−32 19.9	1.177	2.184	5.0	18.3
7 20	19 24.99	−33 6.1	1.173	2.172	6.7	18.3
7 30	19 15.09	−33 33.0	1.192	2.160	10.9	18.5
8 9	19 7.54	−33 40.1	1.232	2.148	15.3	18.8
8 19	19 3.34	−33 30.3	1.290	2.138	19.2	19.0
238736 2005 GT_{120}			7 13.5 14°.96		0°.3/13.6 16	
6 10	19 56.21	−20 9.6	1.831	2.705	13.3	20.8
6 20	19 51.04	−20 20.1	1.761	2.706	9.8	20.6
6 30	19 43.76	−20 35.6	1.714	2.707	5.9	20.4
7 10	19 35.13	−20 53.5	1.692	2.707	1.6	20.1
7 20	19 26.10	−21 11.2	1.697	2.708	2.8	20.2
7 30	19 17.73	−21 26.6	1.729	2.709	7.0	20.5
8 9	19 10.97	−21 38.3	1.785	2.710	10.8	20.7
8 19	19 6.48	−21 46.1	1.864	2.712	14.1	20.9
185319 2006 UG_{331}			7 13.5 263°.88		2°.5/14.7 18	
6 10	19 54.23	−12 46.2	2.227	3.080	12.1	21.1
6 20	19 49.36	−12 59.3	2.137	3.066	9.3	20.9
6 30	19 42.72	−13 22.3	2.070	3.052	6.1	20.7
7 10	19 34.87	−13 54.1	2.029	3.037	3.1	20.5
7 20	19 26.54	−14 32.6	2.016	3.023	3.2	20.4
7 30	19 18.58	−15 15.1	2.030	3.008	6.4	20.6
8 9	19 11.80	−15 58.8	2.071	2.993	9.7	20.8
8 19	19 6.83	−16 41.4	2.135	2.978	12.7	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
523700 2014 GM_{54}			7 13.5	22°.17	1°.5/22.8	17
	h m	° ′			°	m
6 10	19 35.91	+22 24.8	26.462	27.027	1.8	21.6
6 20	19 34.84	+22 27.7	26.397	27.036	1.7	21.6
6 30	19 33.66	+22 27.9	26.350	27.045	1.6	21.6
7 10	19 32.42	+22 25.6	26.323	27.054	1.5	21.6
7 20	19 31.16	+22 20.5	26.317	27.063	1.5	21.6
7 30	19 29.93	+22 12.9	26.332	27.072	1.5	21.6
8 9	19 28.79	+22 2.9	26.369	27.081	1.5	21.6
8 19	19 27.76	+21 50.8	26.426	27.090	1.6	21.6
496457 2014 QN_{297}			7 13.5	349°.13	0°.9/13.6	17
6 10	19 46.83	−23 10.0	0.695	1.634	21.0	19.9
6 20	19 46.31	−22 20.0	0.640	1.617	15.8	19.5
6 30	19 41.92	−21 29.2	0.600	1.603	9.6	19.1
7 10	19 34.79	−20 37.3	0.576	1.592	2.7	18.7
7 20	19 26.73	−19 45.2	0.570	1.583	4.8	18.8
7 30	19 19.95	−18 54.9	0.582	1.578	11.7	19.1
8 9	19 16.31	−18 8.3	0.609	1.575	18.0	19.4
8 19	19 16.78	−17 26.6	0.650	1.575	23.4	19.8
101604 1999 CR_{3}			7 13.5	175°.64	10°.1/19.8	18
6 10	20 5.73	+ 7 54.3	1.441	2.213	21.3	19.8
6 20	19 58.60	+ 6 59.6	1.362	2.217	18.2	19.5
6 30	19 48.56	+ 5 24.9	1.301	2.220	14.7	19.3
7 10	19 36.49	+ 3 8.5	1.262	2.222	11.5	19.1
7 20	19 23.60	+ 0 15.7	1.250	2.223	10.1	19.1
7 30	19 11.41	− 3 1.9	1.266	2.222	11.6	19.2
8 9	19 1.31	− 6 28.6	1.309	2.221	14.9	19.3
8 19	18 54.21	− 9 50.0	1.376	2.218	18.5	19.6
396828 2004 RE_{119}			7 13.5	334°.49	0°.5/13.7	16
6 10	19 53.44	−19 23.5	1.869	2.746	13.0	21.2
6 20	19 49.05	−19 36.5	1.790	2.736	9.6	21.0
6 30	19 42.64	−19 55.6	1.735	2.728	5.8	20.7
7 10	19 34.87	−20 18.3	1.705	2.719	1.7	20.4
7 20	19 26.63	−20 42.0	1.701	2.712	2.8	20.5
7 30	19 18.93	−21 4.2	1.723	2.704	6.9	20.8
8 9	19 12.71	−21 23.2	1.770	2.697	10.7	21.0
8 19	19 8.64	−21 38.1	1.838	2.691	14.1	21.2
165977 2001 YO_{31}			7 13.5	273°.50	1°.4/13.8	17
6 10	19 59.45	−18 37.1	1.361	2.243	16.5	20.4
6 20	19 54.14	−18 31.4	1.287	2.235	12.4	20.1
6 30	19 45.96	−18 33.2	1.233	2.226	7.6	19.8
7 10	19 35.80	−18 40.2	1.203	2.217	2.5	19.5
7 20	19 24.92	−18 49.9	1.198	2.208	3.7	19.6
7 30	19 14.83	−18 59.9	1.217	2.200	8.9	19.8
8 9	19 6.90	−19 8.6	1.258	2.191	13.8	20.1
8 19	19 2.01	−19 15.2	1.320	2.182	18.0	20.3
43389 2000 WP_{61}			7 13.5	233°.88	1°.7/12.8	18
6 10	19 59.59	−22 46.3	1.613	2.492	14.6	19.1
6 20	19 54.04	−23 39.9	1.537	2.485	10.8	18.9
6 30	19 45.83	−24 39.7	1.484	2.477	6.5	18.6
7 10	19 35.77	−25 40.2	1.455	2.469	2.2	18.3
7 20	19 24.98	−26 35.6	1.453	2.461	4.0	18.4
7 30	19 14.81	−27 21.1	1.477	2.452	8.5	18.7
8 9	19 6.54	−27 54.7	1.525	2.443	12.8	18.9
8 19	19 1.04	−28 16.6	1.593	2.433	16.5	19.1
308200 2005 EE_{36}			7 13.5	85°.22	0°.6/13.6	18
6 10	20 2.20	−20 45.8	1.436	2.314	16.1	20.0
6 20	19 55.66	−20 35.7	1.384	2.331	11.8	19.8
6 30	19 46.53	−20 29.8	1.354	2.347	7.0	19.5
7 10	19 35.88	−20 25.7	1.349	2.363	2.0	19.3
7 20	19 24.98	−20 21.4	1.369	2.380	3.3	19.4
7 30	19 15.23	−20 15.6	1.414	2.395	8.1	19.7
8 9	19 7.71	−20 8.1	1.484	2.411	12.4	20.0
8 19	19 3.05	−19 59.3	1.574	2.427	16.0	20.3
313964 2004 RL_{340}			7 13.5	324°.47	5°.5/12.5	18
6 10	20 3.83	−38 54.8	2.121	2.976	12.5	19.5
6 20	19 56.57	−38 54.3	2.046	2.970	9.9	19.4
6 30	19 46.98	−38 42.6	1.995	2.964	7.3	19.2
7 10	19 35.99	−38 15.4	1.969	2.958	5.6	19.1
7 20	19 24.74	−37 30.8	1.970	2.952	6.2	19.1
7 30	19 14.45	−36 29.8	1.998	2.946	8.6	19.2
8 9	19 6.12	−35 16.1	2.052	2.941	11.4	19.4
8 19	19 0.39	−33 54.5	2.128	2.936	14.0	19.6
28341 Bingaman			7 13.5	66°.76	0°.4/13.7	18
6 10	19 55.40	−19 12.1	2.005	2.875	12.5	18.1
6 20	19 50.30	−19 31.4	1.935	2.877	9.2	17.9
6 30	19 43.29	−19 56.4	1.887	2.879	5.5	17.7
7 10	19 35.05	−20 24.6	1.866	2.881	1.6	17.5
7 20	19 26.42	−20 53.1	1.872	2.883	2.6	17.5
7 30	19 18.38	−21 19.5	1.905	2.885	6.5	17.8
8 9	19 11.79	−21 42.2	1.964	2.887	10.1	18.0
8 19	19 7.26	−22 0.3	2.045	2.889	13.2	18.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
442140 2010 UE_{93}			7 13.5	270°.00	1°.8/12.8	18
	h m	° ′			°	m
6 10	19 56.02	−26 42.8	2.422	3.291	10.7	22.0
6 20	19 50.64	−27 1.5	2.334	3.276	7.9	21.8
6 30	19 43.47	−27 19.9	2.271	3.261	4.8	21.6
7 10	19 35.10	−27 35.2	2.235	3.246	2.1	21.3
7 20	19 26.30	−27 44.8	2.226	3.231	3.2	21.4
7 30	19 17.94	−27 47.3	2.246	3.216	6.3	21.6
8 9	19 10.84	−27 42.6	2.291	3.201	9.5	21.8
8 19	19 5.62	−27 31.4	2.360	3.186	12.2	21.9
503943 2003 UV_{84}			7 13.5	270°.75	4°.1/12.0	17
6 10	20 1.61	−28 51.7	1.616	2.495	14.5	22.5
6 20	19 55.87	−29 43.3	1.526	2.472	11.0	22.3
6 30	19 47.14	−30 35.9	1.459	2.448	7.1	22.0
7 10	19 36.18	−31 22.8	1.416	2.423	4.2	21.8
7 20	19 24.20	−31 57.6	1.399	2.399	5.7	21.8
7 30	19 12.73	−32 16.3	1.407	2.373	9.8	22.0
8 9	19 3.26	−32 18.3	1.439	2.347	14.1	22.1
8 19	18 56.85	−32 6.3	1.491	2.321	17.9	22.3
23459 1989 ST_{4}			7 13.5	10°.43	3°.9/12.0	18
6 10	19 57.35	−29 6.9	1.643	2.528	14.0	17.8
6 20	19 52.28	−29 56.3	1.580	2.528	10.5	17.6
6 30	19 44.70	−30 44.5	1.540	2.530	6.7	17.4
7 10	19 35.45	−31 25.7	1.524	2.531	4.0	17.2
7 20	19 25.71	−31 55.0	1.534	2.533	5.3	17.3
7 30	19 16.78	−32 9.8	1.569	2.536	8.9	17.5
8 9	19 9.81	−32 10.3	1.627	2.538	12.5	17.7
8 19	19 5.54	−31 58.7	1.705	2.541	15.8	17.9
321734 2010 LC_{81}			7 13.5	268°.70	1°.1/13.9	17
6 10	19 58.44	−17 32.7	1.526	2.402	15.4	20.9
6 20	19 53.30	−17 51.5	1.441	2.386	11.6	20.6
6 30	19 45.49	−18 20.3	1.377	2.369	7.1	20.3
7 10	19 35.73	−18 56.3	1.338	2.352	2.3	19.9
7 20	19 25.14	−19 35.6	1.324	2.335	3.4	20.0
7 30	19 15.08	−20 14.3	1.335	2.317	8.4	20.2
8 9	19 6.88	−20 49.3	1.370	2.299	13.1	20.5
8 19	19 1.45	−21 19.0	1.426	2.281	17.2	20.7
191776 2004 TC_{79}			7 13.5	329°.01	3°.4/12.7	18
6 10	19 55.40	−27 51.0	1.265	2.165	16.3	19.6
6 20	19 51.64	−28 10.9	1.186	2.143	12.3	19.3
6 30	19 44.73	−28 30.2	1.127	2.122	7.7	18.9
7 10	19 35.56	−28 43.3	1.090	2.102	3.7	18.6
7 20	19 25.47	−28 45.5	1.076	2.083	5.3	18.7
7 30	19 16.16	−28 34.2	1.086	2.065	10.2	18.9
8 9	19 9.19	−28 10.1	1.116	2.048	15.1	19.1
8 19	19 5.56	−27 36.0	1.164	2.033	19.4	19.4
380318 2002 GW_{128}			7 13.5	94°.95	1°.1/13.9	17
6 10	19 58.58	−18 2.9	1.844	2.711	13.6	21.2
6 20	19 52.59	−18 7.7	1.788	2.727	10.1	21.0
6 30	19 44.59	−18 18.7	1.754	2.744	6.1	20.8
7 10	19 35.39	−18 33.6	1.746	2.760	2.0	20.6
7 20	19 25.94	−18 50.2	1.766	2.776	2.8	20.6
7 30	19 17.29	−19 6.4	1.812	2.792	6.8	20.9
8 9	19 10.31	−19 20.7	1.884	2.807	10.5	21.2
8 19	19 5.58	−19 32.5	1.978	2.823	13.6	21.4
22886 1999 SB_{2}			7 13.5	287°.84	3°.5/14.1	18
6 10	19 58.41	−15 0.6	1.783	2.645	14.2	18.3
6 20	19 52.87	−14 15.9	1.691	2.624	10.9	18.0
6 30	19 45.03	−13 36.7	1.621	2.604	7.2	17.8
7 10	19 35.58	−13 3.9	1.576	2.583	4.0	17.5
7 20	19 25.49	−12 37.7	1.557	2.561	4.4	17.5
7 30	19 15.89	−12 18.5	1.565	2.540	8.1	17.7
8 9	19 7.87	−12 5.6	1.597	2.519	12.1	17.9
8 19	19 2.22	−11 58.1	1.651	2.498	15.7	18.0
329201 2012 DM_{48}			7 13.5	125°.63	3°.6/14.9	17
6 10	19 57.91	−11 49.4	1.538	2.401	16.0	21.1
6 20	19 52.55	−11 55.9	1.473	2.406	12.3	20.9
6 30	19 44.80	−12 16.6	1.429	2.411	8.1	20.7
7 10	19 35.50	−12 49.9	1.409	2.416	4.3	20.4
7 20	19 25.73	−13 32.8	1.414	2.420	4.4	20.5
7 30	19 16.71	−14 21.3	1.445	2.424	8.2	20.7
8 9	19 9.53	−15 11.3	1.500	2.428	12.2	20.9
8 19	19 4.92	−15 59.4	1.576	2.432	15.8	21.2
468966 2015 AO_{47}			7 13.5	5°.87	3°.7/15.9	16
6 10	19 54.88	− 4 55.1	1.082	1.952	20.7	20.0
6 20	19 51.25	− 6 54.7	1.016	1.951	16.2	19.8
6 30	19 44.51	− 9 34.1	0.969	1.952	10.9	19.5
7 10	19 35.52	−12 46.4	0.945	1.953	5.4	19.2
7 20	19 25.59	−16 16.8	0.946	1.956	4.6	19.1
7 30	19 16.42	−19 46.5	0.973	1.960	9.8	19.4
8 9	19 9.57	−22 58.9	1.023	1.965	15.2	19.8
8 19	19 6.09	−25 43.9	1.094	1.970	19.9	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
393561 2003 HZ_6			7 13.5 35°.96	8°.3/ 9.9 17		
	h m	° ′			°	m
6 10	20 1.32	−43 35.9	2.053	2.905	13.0	20.8
6 20	19 55.17	−44 45.5	1.999	2.908	10.8	20.7
6 30	19 46.40	−45 43.0	1.967	2.912	9.0	20.6
7 10	19 35.93	−46 21.5	1.959	2.915	8.3	20.6
7 20	19 24.98	−46 36.9	1.976	2.919	9.0	20.6
7 30	19 14.94	−46 28.1	2.017	2.923	10.8	20.7
8 9	19 6.99	−45 57.9	2.080	2.927	13.0	20.9
8 19	19 1.85	−45 11.1	2.163	2.932	15.0	21.0
458957 2011 UC_{404}			7 13.5 15°.03	6°.7/11.3 17		
6 10	19 56.61	−29 59.8	0.975	1.887	18.9	19.9
6 20	19 53.01	−31 29.6	0.929	1.890	14.3	19.6
6 30	19 45.68	−32 58.4	0.902	1.895	9.6	19.4
7 10	19 35.81	−34 14.6	0.895	1.900	6.7	19.3
7 20	19 25.21	−35 8.2	0.910	1.907	8.5	19.4
7 30	19 15.98	−35 34.3	0.945	1.914	12.9	19.6
8 9	19 9.82	−35 34.6	0.999	1.923	17.3	19.9
8 19	19 7.62	−35 14.3	1.069	1.933	21.2	20.2
232518 2003 RN_2			7 13.5 290°.40	2°.6/14.6 18		
6 10	19 55.19	−13 38.4	1.765	2.630	14.2	20.0
6 20	19 50.45	−13 49.0	1.686	2.622	10.8	19.8
6 30	19 43.55	−14 10.9	1.629	2.614	7.0	19.6
7 10	19 35.20	−14 42.8	1.596	2.606	3.3	19.3
7 20	19 26.29	−15 21.9	1.589	2.598	3.6	19.3
7 30	19 17.92	−16 4.8	1.609	2.590	7.4	19.5
8 9	19 11.08	−16 48.4	1.654	2.582	11.3	19.8
8 19	19 6.50	−17 29.8	1.720	2.574	14.8	20.0
65746 1993 TX_{34}			7 13.5 354°.26	0°.6/13.3 18		
6 10	19 53.07	−21 36.5	1.709	2.594	13.6	18.9
6 20	19 48.96	−22 1.0	1.639	2.589	10.0	18.7
6 30	19 42.67	−22 30.6	1.591	2.586	5.9	18.4
7 10	19 34.95	−23 1.8	1.568	2.583	1.6	18.1
7 20	19 26.76	−23 31.1	1.570	2.581	3.1	18.2
7 30	19 19.21	−23 55.8	1.598	2.579	7.4	18.5
8 9	19 13.30	−24 14.2	1.650	2.579	11.3	18.7
8 19	19 9.72	−24 25.8	1.723	2.579	14.7	19.0
78940 2003 SD_{167}			7 13.5 270°.84	5°.0/14.7 18		
6 10	19 58.28	−10 56.0	1.560	2.419	16.0	19.6
6 20	19 53.05	−10 23.6	1.473	2.402	12.6	19.3
6 30	19 45.28	−10 3.2	1.407	2.384	8.8	19.0
7 10	19 35.70	− 9 55.8	1.364	2.366	5.6	18.8
7 20	19 25.35	−10 1.2	1.346	2.347	5.7	18.8
7 30	19 15.51	−10 18.0	1.354	2.328	9.2	18.9
8 9	19 7.40	−10 43.4	1.385	2.309	13.3	19.1
8 19	19 1.92	−11 14.2	1.436	2.290	17.2	19.3
106695 2000 WP_{164}			7 13.5 146°.48	0°.8/13.1 18		
6 10	19 55.19	−22 0.3	2.440	3.305	10.7	19.5
6 20	19 49.92	−22 41.0	2.369	3.310	7.8	19.3
6 30	19 42.99	−23 25.1	2.323	3.314	4.6	19.1
7 10	19 35.01	−24 9.6	2.304	3.319	1.4	18.9
7 20	19 26.69	−24 51.3	2.314	3.323	2.6	19.0
7 30	19 18.84	−25 27.7	2.352	3.326	5.9	19.2
8 9	19 12.20	−25 57.4	2.417	3.330	8.9	19.4
8 19	19 7.32	−26 20.1	2.505	3.333	11.6	19.6
377626 2005 SR_{238}			7 13.5 349°.03	0°.9/13.1 18		
6 10	19 51.90	−23 56.2	2.522	3.395	10.2	20.4
6 20	19 47.49	−24 10.9	2.446	3.390	7.5	20.2
6 30	19 41.55	−24 27.0	2.393	3.386	4.4	20.0
7 10	19 34.63	−24 42.3	2.367	3.382	1.4	19.8
7 20	19 27.41	−24 54.8	2.369	3.378	2.5	19.9
7 30	19 20.63	−25 3.1	2.399	3.375	5.6	20.1
8 9	19 14.98	−25 6.6	2.455	3.372	8.6	20.3
8 19	19 10.98	−25 5.3	2.533	3.370	11.2	20.5
40696 1999 RU_{231}			7 13.5 277°.16	2°.7/14.9 18		
6 10	19 55.35	−11 19.9	1.791	2.648	14.3	18.7
6 20	19 50.58	−12 0.8	1.710	2.641	11.0	18.5
6 30	19 43.66	−12 57.2	1.651	2.634	7.2	18.2
7 10	19 35.25	−14 6.6	1.618	2.627	3.5	18.0
7 20	19 26.24	−15 24.6	1.611	2.619	3.6	18.0
7 30	19 17.71	−16 46.1	1.632	2.612	7.3	18.2
8 9	19 10.67	−18 5.8	1.677	2.605	11.2	18.4
8 19	19 5.86	−19 19.9	1.746	2.598	14.7	18.6
282679 2005 WG_{119}			7 13.5 222°.74	3°.5/14.8 18		
6 10	19 55.14	−10 40.3	2.751	3.585	10.6	20.9
6 20	19 49.65	−10 8.3	2.664	3.577	8.3	20.8
6 30	19 42.75	− 9 43.3	2.601	3.569	5.8	20.6
7 10	19 34.96	− 9 25.6	2.565	3.561	3.8	20.5
7 20	19 26.85	− 9 15.3	2.557	3.553	3.9	20.5
7 30	19 19.12	− 9 11.9	2.578	3.544	5.9	20.6
8 9	19 12.38	− 9 14.2	2.626	3.534	8.5	20.7
8 19	19 7.12	− 9 21.0	2.698	3.525	10.9	20.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
242463 2004 RN_{235}			7 13.5 238°.60	5°.8/15.9 18		
	h m	° ′			°	m
6 10	19 56.07	− 4 13.7	2.223	3.040	13.3	21.5
6 20	19 50.72	− 3 56.4	2.130	3.026	10.8	21.3
6 30	19 43.58	− 3 53.4	2.059	3.010	8.3	21.1
7 10	19 35.21	− 4 5.5	2.013	2.994	6.2	21.0
7 20	19 26.33	− 4 32.3	1.994	2.978	6.0	20.9
7 30	19 17.80	− 5 12.1	2.002	2.961	7.9	21.0
8 9	19 10.43	− 6 1.6	2.036	2.943	10.6	21.2
8 19	19 4.88	− 6 57.1	2.093	2.925	13.4	21.3
440640 2005 WM_{90}			7 13.5 299°.59	1°.6/14.0 17		
6 10	19 57.62	−17 23.2	2.198	3.056	12.0	21.3
6 20	19 52.18	−17 13.0	2.078	3.013	9.1	21.0
6 30	19 44.64	−17 7.8	1.982	2.969	5.8	20.7
7 10	19 35.55	−17 6.5	1.912	2.924	2.3	20.4
7 20	19 25.64	−17 8.0	1.870	2.879	3.0	20.4
7 30	19 15.89	−17 11.0	1.855	2.833	6.9	20.5
8 9	19 7.31	−17 14.5	1.867	2.786	10.8	20.7
8 19	19 0.68	−17 17.9	1.902	2.740	14.3	20.8
184936 2005 VZ_{44}			7 13.5 35°.22	3°.2/12.4 18		
6 10	19 57.28	−29 47.0	2.023	2.899	12.2	20.2
6 20	19 51.78	−30 14.8	1.959	2.902	9.1	20.0
6 30	19 44.22	−30 40.0	1.918	2.906	5.8	19.8
7 10	19 35.36	−30 58.5	1.902	2.909	3.3	19.6
7 20	19 26.15	−31 7.2	1.913	2.913	4.4	19.7
7 30	19 17.66	−31 5.0	1.952	2.918	7.5	19.9
8 9	19 10.80	−30 52.4	2.014	2.922	10.7	20.1
8 19	19 6.20	−30 31.4	2.099	2.926	13.5	20.3
293226 2007 BS_{56}			7 13.5 323°.02	3°.7/12.4 18		
6 10	19 57.95	−31 33.2	2.006	2.880	12.3	20.3
6 20	19 52.39	−31 52.3	1.932	2.873	9.3	20.1
6 30	19 44.64	−32 7.0	1.881	2.867	6.1	19.9
7 10	19 35.48	−32 13.4	1.855	2.860	3.8	19.8
7 20	19 25.91	−32 8.6	1.857	2.854	4.8	19.8
7 30	19 17.03	−31 51.7	1.884	2.849	7.8	20.0
8 9	19 9.84	−31 23.8	1.937	2.843	11.1	20.2
8 19	19 4.99	−30 47.7	2.011	2.838	14.0	20.4
106008 2000 SY_{288}			7 13.5 198°.28	2°.2/12.9 17		
6 10	20 2.90	−26 37.9	1.540	2.419	15.1	20.1
6 20	19 56.46	−26 50.0	1.471	2.418	11.2	19.9
6 30	19 47.24	−27 1.3	1.424	2.416	6.8	19.6
7 10	19 36.20	−27 7.3	1.402	2.415	2.7	19.3
7 20	19 24.62	−27 4.5	1.405	2.412	4.2	19.4
7 30	19 13.99	−26 51.7	1.434	2.410	8.7	19.7
8 9	19 5.55	−26 30.2	1.487	2.407	12.9	19.9
8 19	19 0.09	−26 2.3	1.561	2.404	16.6	20.2
522971 2016 PF_{116}			7 13.5 198°.70	2°.0/14.2 18		
6 10	19 56.43	−15 52.8	1.928	2.792	13.2	21.2
6 20	19 51.12	−15 51.1	1.854	2.791	9.9	21.0
6 30	19 43.83	−15 57.1	1.804	2.790	6.3	20.8
7 10	19 35.27	−16 9.3	1.778	2.790	2.7	20.6
7 20	19 26.30	−16 26.0	1.780	2.789	3.1	20.6
7 30	19 17.92	−16 45.0	1.808	2.788	6.8	20.8
8 9	19 11.03	−17 4.5	1.862	2.787	10.5	21.0
8 19	19 6.26	−17 23.1	1.938	2.785	13.7	21.2
121464 1999 TO_{209}			7 13.5 291°.35	4°.9/11.9 18		
6 10	19 59.69	−35 43.7	2.217	3.081	11.7	19.6
6 20	19 53.67	−36 7.6	2.131	3.062	9.1	19.4
6 30	19 45.44	−36 24.7	2.068	3.043	6.5	19.2
7 10	19 35.72	−36 30.5	2.031	3.025	4.9	19.1
7 20	19 25.48	−36 21.9	2.020	3.006	5.8	19.1
7 30	19 15.85	−35 57.9	2.037	2.987	8.3	19.2
8 9	19 7.85	−35 20.1	2.078	2.968	11.2	19.3
8 19	19 2.20	−34 31.8	2.141	2.950	13.9	19.5
144002 2004 AY_5			7 13.5 100°.20	2°.6/12.6 18		
6 10	20 0.56	−25 39.2	1.561	2.442	14.8	19.5
6 20	19 54.61	−26 24.2	1.504	2.452	10.9	19.3
6 30	19 46.07	−27 10.7	1.469	2.462	6.6	19.1
7 10	19 35.88	−27 53.0	1.460	2.472	2.9	18.9
7 20	19 25.25	−28 26.3	1.476	2.482	4.4	19.0
7 30	19 15.57	−28 47.6	1.518	2.491	8.5	19.3
8 9	19 7.98	−28 56.7	1.584	2.501	12.5	19.5
8 19	19 3.20	−28 55.5	1.670	2.510	15.9	19.8
471284 2011 GX_2			7 13.5 25°.96	5°.4/16.3 17		
6 10	19 52.10	− 6 30.0	1.147	2.022	19.5	19.8
6 20	19 48.66	− 7 7.9	1.103	2.039	15.2	19.6
6 30	19 42.61	− 8 11.7	1.078	2.057	10.6	19.4
7 10	19 34.96	− 9 37.9	1.074	2.076	6.5	19.2
7 20	19 26.95	−11 19.7	1.092	2.097	5.8	19.3
7 30	19 19.94	−13 8.0	1.135	2.119	9.2	19.5
8 9	19 15.07	−14 53.9	1.199	2.142	13.3	19.8
8 19	19 12.99	−16 30.7	1.284	2.166	17.1	20.1

449926 2015 OL_{15} 7 13.5 268°.44 0°.3/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 54.74	−20 14.9	2.290	3.156	11.3	21.5
6 20	19 49.81	−20 52.9	2.202	3.143	8.3	21.3
6 30	19 43.07	−21 36.5	2.138	3.130	5.0	21.0
7 10	19 35.09	−22 22.8	2.102	3.117	1.3	20.8
7 20	19 26.61	−23 8.5	2.093	3.103	2.5	20.8
7 30	19 18.50	−23 50.5	2.113	3.089	6.2	21.1
8 9	19 11.60	−24 26.8	2.158	3.076	9.6	21.2
8 19	19 6.55	−24 56.5	2.227	3.062	12.6	21.4

94114 2000 YS_{96} 7 13.5 217°.98 0°.2/13.7 18

6 10	19 54.23	−19 18.5	2.485	3.347	10.7	20.2
6 20	19 49.21	−19 44.9	2.405	3.344	7.9	20.0
6 30	19 42.60	−20 16.3	2.350	3.340	4.7	19.8
7 10	19 34.94	−20 50.3	2.322	3.336	1.3	19.5
7 20	19 26.92	−21 24.4	2.322	3.332	2.2	19.6
7 30	19 19.32	−21 56.4	2.351	3.328	5.6	19.8
8 9	19 12.84	−22 24.5	2.406	3.324	8.7	20.0
8 19	19 8.04	−22 48.1	2.485	3.319	11.4	20.2

283171 2009 FR_5 7 13.5 309°.33 2°.2/14.4 18

6 10	19 54.51	−15 2.4	1.802	2.671	13.8	20.2
6 20	19 49.94	−15 7.1	1.721	2.660	10.4	20.0
6 30	19 43.27	−15 21.4	1.662	2.649	6.6	19.7
7 10	19 35.16	−15 43.9	1.628	2.639	3.0	19.5
7 20	19 26.52	−16 12.3	1.620	2.629	3.4	19.5
7 30	19 18.39	−16 43.8	1.638	2.619	7.2	19.7
8 9	19 11.77	−17 15.8	1.680	2.609	11.1	19.9
8 19	19 7.35	−17 46.2	1.744	2.599	14.6	20.1

107330 2001 CN_{17} 7 13.5 133°.97 1°.8/12.9 18

6 10	20 1.51	−24 23.5	1.692	2.567	14.2	20.5
6 20	19 55.14	−25 2.0	1.632	2.577	10.4	20.3
6 30	19 46.32	−25 42.7	1.595	2.587	6.2	20.1
7 10	19 35.95	−26 20.8	1.583	2.596	2.3	19.8
7 20	19 25.17	−26 51.8	1.598	2.605	3.8	20.0
7 30	19 15.25	−27 13.1	1.640	2.613	7.9	20.2
8 9	19 7.28	−27 24.3	1.706	2.621	11.8	20.5
8 19	19 1.97	−27 26.5	1.793	2.629	15.1	20.7

312493 2008 YK_{146} 7 13.5 224°.29 0°.4/13.7 17

6 10	20 0.64	−19 39.7	1.503	2.379	15.6	21.7
6 20	19 54.86	−19 52.2	1.428	2.374	11.6	21.5
6 30	19 46.36	−20 11.6	1.375	2.368	7.0	21.2
7 10	19 36.01	−20 34.6	1.347	2.362	2.0	20.8
7 20	19 25.00	−20 57.7	1.344	2.355	3.3	20.9
7 30	19 14.73	−21 17.9	1.367	2.348	8.4	21.2
8 9	19 6.49	−21 33.6	1.413	2.340	13.0	21.5
8 19	19 1.10	−21 44.3	1.480	2.333	16.9	21.7

108143 2001 HK_1 7 13.5 94°.59 7°.0/16.4 18

6 10	19 55.60	− 2 39.2	1.962	2.781	14.7	19.6
6 20	19 50.32	− 2 4.7	1.900	2.793	12.1	19.5
6 30	19 43.27	− 1 46.9	1.859	2.804	9.4	19.3
7 10	19 35.12	− 1 47.0	1.842	2.816	7.4	19.2
7 20	19 26.69	− 2 4.5	1.851	2.827	7.1	19.2
7 30	19 18.86	− 2 37.4	1.885	2.838	8.7	19.3
8 9	19 12.45	− 3 22.0	1.944	2.849	11.1	19.5
8 19	19 7.99	− 4 13.7	2.025	2.860	13.6	19.7

504065 2005 YC_{166} 7 13.5 193°.52 0°.6/13.8 17

6 10	19 57.97	−18 4.3	2.309	3.165	11.6	23.0
6 20	19 52.05	−18 28.4	2.228	3.163	8.6	22.8
6 30	19 44.34	−18 58.5	2.172	3.160	5.2	22.6
7 10	19 35.43	−19 32.2	2.143	3.157	1.6	22.4
7 20	19 26.11	−20 6.7	2.142	3.153	2.4	22.4
7 30	19 17.24	−20 39.6	2.171	3.148	6.0	22.6
8 9	19 9.66	−21 9.2	2.226	3.142	9.4	22.8
8 19	19 3.96	−21 34.3	2.304	3.136	12.3	23.0

204061 2003 UQ_{270} 7 13.5 232°.05 0°.4/13.4 18

6 10	19 56.81	−21 8.7	1.919	2.791	12.9	20.5
6 20	19 51.53	−21 34.6	1.844	2.789	9.5	20.3
6 30	19 44.16	−22 5.3	1.793	2.786	5.6	20.0
7 10	19 35.40	−22 37.6	1.768	2.783	1.5	19.8
7 20	19 26.17	−23 8.1	1.770	2.780	2.8	19.9
7 30	19 17.54	−23 34.1	1.799	2.777	7.0	20.1
8 9	19 10.44	−23 54.3	1.853	2.774	10.7	20.3
8 19	19 5.57	−24 8.2	1.929	2.771	13.9	20.5

317203 2002 AD_{149} 7 13.5 254°.01 0°.4/13.4 18

6 10	19 58.55	−21 48.8	1.843	2.716	13.3	21.2
6 20	19 52.98	−22 4.6	1.759	2.703	9.9	20.9
6 30	19 45.12	−22 24.4	1.698	2.691	5.9	20.7
7 10	19 35.68	−22 45.2	1.663	2.678	1.6	20.3
7 20	19 25.64	−23 3.9	1.654	2.665	3.0	20.4
7 30	19 16.14	−23 18.1	1.673	2.651	7.4	20.7
8 9	19 8.28	−23 26.7	1.716	2.637	11.4	20.9
8 19	19 2.80	−23 29.9	1.781	2.623	14.9	21.1

295351 2008 HY_{30} 7 13.5 9°.34 2°.7/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 54.43	−14 59.5	1.927	2.792	13.2	20.2
6 20	19 49.61	−14 36.8	1.858	2.794	10.0	20.0
6 30	19 42.92	−14 21.5	1.811	2.795	6.4	19.8
7 10	19 35.05	−14 13.3	1.789	2.797	3.3	19.6
7 20	19 26.86	−14 11.3	1.793	2.800	3.6	19.6
7 30	19 19.27	−14 14.3	1.824	2.803	6.9	19.9
8 9	19 13.13	−14 20.8	1.880	2.806	10.3	20.1
8 19	19 9.02	−14 29.3	1.958	2.810	13.4	20.3

191297 2003 GP_2 7 13.5 52°.08 0°.9/13.8 17

6 10	19 58.33	−19 1.9	1.419	2.302	16.0	20.6
6 20	19 52.89	−19 5.3	1.370	2.318	11.8	20.4
6 30	19 44.99	−19 15.7	1.342	2.335	7.1	20.2
7 10	19 35.60	−19 30.2	1.338	2.352	2.2	19.9
7 20	19 25.94	−19 45.9	1.359	2.370	3.3	20.1
7 30	19 17.32	−20 0.4	1.405	2.387	8.0	20.4
8 9	19 10.78	−20 12.2	1.474	2.405	12.2	20.7
8 19	19 6.97	−20 20.6	1.564	2.424	15.8	21.0

68563 2001 XO_{206} 7 13.5 183°.21 2°.0/14.2 18

6 10	20 0.23	−15 46.0	1.590	2.457	15.4	19.8
6 20	19 54.31	−15 53.0	1.519	2.458	11.6	19.6
6 30	19 45.92	−16 9.9	1.470	2.458	7.2	19.3
7 10	19 35.89	−16 34.6	1.446	2.458	2.9	19.1
7 20	19 25.32	−17 4.0	1.447	2.457	3.5	19.1
7 30	19 15.48	−17 35.1	1.475	2.456	8.0	19.4
8 9	19 7.52	−18 5.0	1.528	2.454	12.2	19.6
8 19	19 2.19	−18 32.2	1.601	2.452	15.9	19.8

479539 2014 BP_{40} 7 13.6 235°.18 2°.1/12.8 18

6 10	19 59.65	−26 49.5	2.093	2.962	12.1	22.1
6 20	19 53.60	−27 12.2	2.010	2.951	9.0	21.9
6 30	19 45.40	−27 34.6	1.950	2.940	5.5	21.6
7 10	19 35.76	−27 53.0	1.917	2.928	2.4	21.4
7 20	19 25.59	−28 4.3	1.911	2.916	3.6	21.5
7 30	19 15.98	−28 6.8	1.933	2.904	7.2	21.7
8 9	19 7.91	−28 0.6	1.981	2.891	10.7	21.9
8 19	19 2.09	−27 46.9	2.050	2.877	13.8	22.0

468091 2013 TT_{143} 7 13.6 336°.04 2°.5/12.9 16

6 10	19 51.61	−24 48.3	1.017	1.932	18.0	20.3
6 20	19 49.33	−25 15.6	0.944	1.910	13.5	20.0
6 30	19 43.64	−25 47.8	0.890	1.890	8.3	19.6
7 10	19 35.41	−26 19.1	0.856	1.870	3.1	19.2
7 20	19 26.12	−26 43.4	0.843	1.853	5.2	19.3
7 30	19 17.65	−26 55.9	0.851	1.837	11.0	19.6
8 9	19 11.78	−26 55.3	0.877	1.823	16.6	19.8
8 19	19 9.64	−26 42.8	0.920	1.811	21.4	20.1

469349 2000 UF_{73} 7 13.6 290°.38 4°.3/12.0 18

6 10	20 0.09	−30 25.5	1.709	2.588	13.9	21.2
6 20	19 54.67	−31 8.1	1.616	2.560	10.6	21.0
6 30	19 46.44	−31 49.5	1.545	2.533	7.0	20.7
7 10	19 36.12	−32 23.7	1.499	2.505	4.4	20.5
7 20	19 24.84	−32 45.0	1.479	2.476	5.8	20.5
7 30	19 14.06	−32 50.3	1.484	2.448	9.5	20.6
8 9	19 5.16	−32 39.7	1.512	2.420	13.6	20.8
8 19	18 59.14	−32 15.9	1.561	2.391	17.2	21.0

258579 2002 CH_{151} 7 13.6 5°.47 0°.8/13.2 18

6 10	19 54.94	−22 32.9	2.035	2.910	12.1	20.7
6 20	19 50.04	−22 58.3	1.965	2.910	8.9	20.5
6 30	19 43.22	−23 27.0	1.917	2.910	5.3	20.3
7 10	19 35.16	−23 55.9	1.896	2.911	1.5	20.0
7 20	19 26.71	−24 21.9	1.902	2.912	2.8	20.1
7 30	19 18.84	−24 42.8	1.935	2.913	6.6	20.4
8 9	19 12.42	−24 57.5	1.993	2.914	10.1	20.6
8 19	19 8.05	−25 6.0	2.074	2.915	13.1	20.8

445973 2013 BO_{14} 7 13.6 121°.70 2°.3/12.8 18

6 10	19 57.97	−28 18.3	2.250	3.119	11.4	21.6
6 20	19 52.08	−28 30.3	2.182	3.123	8.4	21.4
6 30	19 44.34	−28 40.2	2.137	3.126	5.2	21.3
7 10	19 35.44	−28 44.9	2.119	3.129	2.5	21.1
7 20	19 26.26	−28 42.5	2.129	3.133	3.5	21.2
7 30	19 17.73	−28 32.0	2.166	3.136	6.6	21.4
8 9	19 10.67	−28 14.0	2.229	3.139	9.7	21.6
8 19	19 5.66	−27 50.2	2.315	3.142	12.4	21.7

284755 2008 VZ_{22} 7 13.6 286°.37 1°.4/12.9 18

6 10	19 56.37	−22 42.2	1.839	2.717	13.1	20.5
6 20	19 51.49	−23 29.3	1.754	2.701	9.7	20.2
6 30	19 44.32	−24 22.0	1.693	2.686	5.8	20.0
7 10	19 35.51	−25 16.0	1.656	2.671	1.9	19.7
7 20	19 26.03	−26 6.4	1.647	2.655	3.5	19.7
7 30	19 17.00	−26 49.3	1.664	2.640	7.7	20.0
8 9	19 9.54	−27 22.5	1.706	2.625	11.6	20.2
8 19	19 4.44	−27 45.7	1.769	2.609	15.1	20.4

86945 2000 HE_{85} 7 13.6 342°.49 9°.2/16.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 55.06	− 4 40.0	1.168	2.031	20.0	17.8
6 20	19 51.09	− 3 44.8	1.104	2.026	16.4	17.5
6 30	19 44.27	− 3 11.8	1.057	2.021	12.7	17.3
7 10	19 35.52	− 3 4.8	1.031	2.017	9.8	17.1
7 20	19 26.07	− 3 24.6	1.025	2.014	9.4	17.1
7 30	19 17.44	− 4 8.4	1.042	2.011	12.0	17.2
8 9	19 10.96	− 5 9.8	1.078	2.009	15.7	17.4
8 19	19 7.50	− 6 21.1	1.133	2.007	19.5	17.7

173048 2006 QQ_{128} 7 13.6 346°.70 5°.4/11.7 17

6 10	19 57.21	−29 21.5	1.177	2.079	17.1	19.6
6 20	19 53.15	−30 30.2	1.116	2.073	12.9	19.4
6 30	19 45.71	−31 39.2	1.076	2.068	8.5	19.1
7 10	19 35.94	−32 39.5	1.057	2.064	5.5	18.9
7 20	19 25.33	−33 23.0	1.061	2.060	7.2	19.0
7 30	19 15.74	−33 45.1	1.087	2.057	11.5	19.3
8 9	19 8.79	−33 46.2	1.134	2.055	15.9	19.5
8 19	19 5.41	−33 29.9	1.198	2.054	19.8	19.8

203786 2002 TP_{11} 7 13.6 325°.87 0°.1/13.6 18

6 10	19 55.08	−19 34.2	1.713	2.592	13.9	19.8
6 20	19 50.51	−20 1.7	1.637	2.584	10.3	19.6
6 30	19 43.68	−20 36.5	1.584	2.578	6.2	19.3
7 10	19 35.33	−21 15.3	1.556	2.571	1.7	19.0
7 20	19 26.43	−21 54.3	1.554	2.565	3.0	19.1
7 30	19 18.11	−22 30.0	1.578	2.559	7.4	19.4
8 9	19 11.44	−23 0.1	1.626	2.553	11.5	19.6
8 19	19 7.16	−23 23.7	1.695	2.548	15.1	19.8

470790 2008 UO_{322} 7 13.6 218°.48 5°.7/11.0 18

6 10	20 3.08	−38 12.9	2.402	3.254	11.4	22.0
6 20	19 56.12	−39 1.8	2.324	3.244	9.0	21.8
6 30	19 46.91	−39 43.3	2.270	3.234	6.8	21.6
7 10	19 36.18	−40 12.1	2.242	3.223	5.7	21.6
7 20	19 24.92	−40 24.4	2.242	3.212	6.5	21.6
7 30	19 14.27	−40 18.7	2.269	3.200	8.6	21.7
8 9	19 5.27	−39 56.6	2.321	3.187	11.1	21.8
8 19	18 58.63	−39 21.2	2.394	3.174	13.4	22.0

469691 2005 AO_{44} 7 13.6 156°.10 1°.5/13.2 18

6 10	20 0.79	−26 30.3	2.069	2.936	12.3	21.4
6 20	19 54.23	−26 28.4	1.999	2.940	9.1	21.2
6 30	19 45.64	−26 24.9	1.953	2.944	5.5	20.9
7 10	19 35.80	−26 17.2	1.934	2.947	2.0	20.7
7 20	19 25.67	−26 3.4	1.943	2.950	3.2	20.8
7 30	19 16.28	−25 43.3	1.979	2.953	6.8	21.0
8 9	19 8.53	−25 17.7	2.042	2.956	10.2	21.3
8 19	19 3.03	−24 48.2	2.127	2.958	13.2	21.5

455289 2002 CF_{118} 7 13.6 100°.25 12°.3/21.6 17

6 10	19 58.01	+11 29.8	1.593	2.348	20.2	20.8
6 20	19 52.47	+11 40.0	1.536	2.364	17.8	20.6
6 30	19 44.71	+11 16.8	1.496	2.379	15.3	20.5
7 10	19 35.57	+10 17.5	1.476	2.394	13.3	20.4
7 20	19 26.08	+ 8 43.6	1.477	2.409	12.3	20.4
7 30	19 17.37	+ 6 40.8	1.503	2.424	12.8	20.5
8 9	19 10.45	+ 4 18.8	1.551	2.438	14.5	20.6
8 19	19 5.95	+ 1 48.2	1.622	2.452	16.7	20.8

6983 Komatsusakyo 7 13.6 322°.21 0°.1/13.5 18

6 10	19 53.37	−19 47.4	2.079	2.952	12.0	17.0
6 20	19 48.93	−20 21.3	1.998	2.942	8.9	16.7
6 30	19 42.62	−21 1.4	1.940	2.933	5.3	16.5
7 10	19 35.04	−21 44.9	1.909	2.924	1.4	16.2
7 20	19 26.97	−22 28.2	1.904	2.915	2.6	16.3
7 30	19 19.36	−23 8.4	1.927	2.906	6.5	16.5
8 9	19 13.06	−23 43.1	1.975	2.898	10.1	16.7
8 19	19 8.73	−24 11.4	2.046	2.890	13.2	16.9

150301 1999 TD_{234} 7 13.6 199°.82 5°.9/10.9 18

6 10	20 1.74	−42 1.6	2.761	3.601	10.4	20.5
6 20	19 54.83	−42 36.6	2.691	3.598	8.4	20.4
6 30	19 45.97	−43 2.1	2.645	3.595	6.7	20.3
7 10	19 35.90	−43 13.9	2.625	3.591	5.9	20.2
7 20	19 25.50	−43 9.4	2.632	3.587	6.5	20.3
7 30	19 15.77	−42 48.0	2.667	3.583	8.1	20.4
8 9	19 7.59	−42 11.7	2.726	3.579	10.1	20.5
8 19	19 1.53	−41 23.8	2.807	3.574	12.0	20.6

208620 2002 EQ_{29} 7 13.6 4°.96 5°.7/15.5 18

6 10	19 54.21	− 9 12.1	1.150	2.030	19.1	19.4
6 20	19 50.47	− 9 4.3	1.090	2.029	15.0	19.2
6 30	19 43.90	− 9 17.4	1.048	2.029	10.5	18.9
7 10	19 35.42	− 9 51.2	1.027	2.030	6.5	18.7
7 20	19 26.32	−10 42.7	1.028	2.032	6.2	18.7
7 30	19 18.10	−11 46.4	1.052	2.035	10.0	18.9
8 9	19 12.09	−12 55.6	1.097	2.038	14.5	19.2
8 19	19 9.11	−14 4.1	1.161	2.042	18.6	19.4

246987 1999 TW_{291} 7 13.6 211°.91 8°.8/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 53.44	+ 9 33.6	2.929	3.655	12.5	20.3
6 20	19 48.41	+10 32.9	2.848	3.650	11.1	20.2
6 30	19 42.06	+11 16.1	2.788	3.644	9.9	20.1
7 10	19 34.86	+11 40.8	2.752	3.638	9.0	20.0
7 20	19 27.34	+11 45.7	2.739	3.632	8.8	20.0
7 30	19 20.12	+11 31.1	2.751	3.625	9.4	20.0
8 9	19 13.80	+10 59.3	2.786	3.618	10.5	20.1
8 19	19 8.82	+10 13.7	2.844	3.611	11.8	20.2

80947 2000 DZ_{95} 7 13.6 156°.08 2°.3/12.8 17

6 10	20 1.55	−26 21.2	1.847	2.719	13.3	20.3
6 20	19 55.07	−26 51.5	1.782	2.725	9.9	20.1
6 30	19 46.28	−27 21.9	1.740	2.731	6.0	19.9
7 10	19 36.00	−27 48.0	1.724	2.736	2.6	19.6
7 20	19 25.32	−28 6.0	1.735	2.740	3.9	19.7
7 30	19 15.42	−28 14.1	1.773	2.744	7.7	20.0
8 9	19 7.35	−28 12.5	1.836	2.748	11.3	20.2
8 19	19 1.80	−28 2.7	1.921	2.751	14.5	20.4

186068 2001 SU_{176} 7 13.6 344°.35 7°.7/10.8 18

6 10	19 52.99	−32 46.9	1.070	1.982	17.7	18.9
6 20	19 50.45	−34 8.9	1.008	1.967	13.7	18.6
6 30	19 44.33	−35 28.5	0.965	1.954	9.8	18.3
7 10	19 35.62	−36 34.8	0.942	1.942	7.7	18.2
7 20	19 25.90	−37 18.3	0.940	1.932	9.4	18.2
7 30	19 17.20	−37 33.6	0.958	1.923	13.3	18.4
8 9	19 11.30	−37 21.9	0.996	1.917	17.6	18.6
8 19	19 9.27	−36 48.0	1.049	1.912	21.5	18.9

181677 2617 P–L 7 13.6 278°.01 1°.1/13.9 18

6 10	19 58.55	−18 0.4	1.547	2.423	15.2	20.7
6 20	19 53.47	−18 12.2	1.457	2.401	11.5	20.4
6 30	19 45.70	−18 32.9	1.388	2.380	7.1	20.1
7 10	19 35.95	−19 0.0	1.343	2.358	2.3	19.8
7 20	19 25.30	−19 30.3	1.324	2.335	3.4	19.8
7 30	19 15.13	−20 0.2	1.331	2.313	8.4	20.0
8 9	19 6.76	−20 27.2	1.361	2.290	13.2	20.2
8 19	19 1.15	−20 49.7	1.411	2.267	17.4	20.4

384076 2008 VH_{24} 7 13.6 13°.76 0°.4/13.7 18

6 10	19 55.77	−18 53.7	1.633	2.512	14.4	20.7
6 20	19 51.01	−19 18.2	1.566	2.513	10.7	20.4
6 30	19 43.96	−19 50.4	1.522	2.515	6.4	20.2
7 10	19 35.41	−20 27.0	1.502	2.517	1.8	19.9
7 20	19 26.39	−21 4.3	1.508	2.519	3.0	20.0
7 30	19 18.07	−21 38.8	1.539	2.521	7.5	20.3
8 9	19 11.50	−22 8.2	1.595	2.524	11.6	20.5
8 19	19 7.38	−22 31.5	1.672	2.527	15.1	20.8

314601 2006 BE_{1} 7 13.6 184°.15 4°.4/11.3 18

6 10	19 58.49	−37 15.0	2.971	3.823	9.4	21.9
6 20	19 52.27	−37 51.4	2.901	3.823	7.4	21.8
6 30	19 44.40	−38 21.6	2.855	3.822	5.5	21.6
7 10	19 35.49	−38 42.1	2.837	3.821	4.4	21.6
7 20	19 26.27	−38 50.5	2.847	3.820	5.1	21.6
7 30	19 17.58	−38 46.0	2.885	3.819	6.9	21.7
8 9	19 10.13	−38 29.4	2.948	3.817	8.9	21.9
8 19	19 4.47	−38 2.8	3.034	3.815	10.9	22.0

509963 2009 SM_{252} 7 13.6 285°.73 0°.1/13.6 17

6 10	19 57.81	−20 1.7	1.613	2.491	14.6	21.6
6 20	19 52.88	−20 25.5	1.521	2.468	10.9	21.4
6 30	19 45.33	−20 57.0	1.451	2.444	6.6	21.0
7 10	19 35.86	−21 32.9	1.406	2.421	1.8	20.7
7 20	19 25.49	−22 9.2	1.386	2.397	3.3	20.7
7 30	19 15.56	−22 41.9	1.392	2.373	8.3	21.0
8 9	19 7.37	−23 8.7	1.422	2.349	12.9	21.2
8 19	19 1.86	−23 28.8	1.472	2.325	17.0	21.4

310643 2002 CY_{221} 7 13.6 263°.37 2°.2/14.7 18

6 10	19 53.89	−13 9.9	2.271	3.124	11.9	20.8
6 20	19 49.13	−13 31.6	2.185	3.115	9.0	20.6
6 30	19 42.67	−14 3.2	2.123	3.106	5.8	20.4
7 10	19 35.06	−14 43.1	2.087	3.096	2.8	20.1
7 20	19 27.01	−15 28.8	2.079	3.087	3.0	20.1
7 30	19 19.34	−16 17.4	2.099	3.077	6.1	20.3
8 9	19 12.84	−17 6.0	2.145	3.067	9.4	20.5
8 19	19 8.09	−17 52.4	2.214	3.058	12.3	20.7

162502 2000 QL_{38} 7 13.6 18°.22 2°.7/14.5 18

6 10	19 56.15	−14 18.3	1.160	2.049	18.3	19.0
6 20	19 51.93	−14 36.1	1.102	2.051	13.9	18.8
6 30	19 44.78	−15 9.8	1.063	2.054	8.8	18.5
7 10	19 35.67	−15 56.5	1.046	2.058	3.7	18.2
7 20	19 25.96	−16 51.3	1.051	2.062	4.2	18.3
7 30	19 17.19	−17 48.3	1.080	2.067	9.3	18.6
8 9	19 10.74	−18 42.6	1.131	2.072	14.2	18.9
8 19	19 7.42	−19 30.6	1.201	2.078	18.4	19.1

263415 2008 DB_{44} 7 13.6 50°.96 2°.4/12.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 59.57	−25 2.8	1.294	2.187	16.5	20.2
6 20	19 54.20	−25 42.0	1.247	2.201	12.2	20.0
6 30	19 45.95	−26 23.3	1.221	2.216	7.3	19.8
7 10	19 35.94	−27 0.6	1.218	2.231	2.9	19.6
7 20	19 25.57	−27 28.8	1.239	2.247	4.5	19.7
7 30	19 16.36	−27 45.0	1.285	2.263	9.2	20.0
8 9	19 9.56	−27 49.4	1.352	2.279	13.5	20.3
8 19	19 5.85	−27 43.8	1.440	2.295	17.1	20.6

244545 2002 UX_{77} 7 13.6 326°.18 0°.4/13.7 18

6 10	19 55.23	−19 26.2	1.760	2.637	13.6	20.9
6 20	19 50.55	−19 45.0	1.685	2.631	10.1	20.7
6 30	19 43.69	−20 10.4	1.632	2.624	6.1	20.4
7 10	19 35.36	−20 39.6	1.604	2.619	1.7	20.1
7 20	19 26.51	−21 9.4	1.602	2.613	2.9	20.2
7 30	19 18.26	−21 36.8	1.626	2.608	7.2	20.5
8 9	19 11.61	−22 0.0	1.675	2.603	11.2	20.7
8 19	19 7.28	−22 18.0	1.745	2.598	14.7	20.9

273755 2007 EE_{143} 7 13.6 152°.83 0°.7/13.8 17

6 10	19 58.64	−19 28.9	1.718	2.591	14.1	21.1
6 20	19 53.00	−19 29.9	1.649	2.593	10.5	20.9
6 30	19 45.10	−19 36.3	1.603	2.594	6.3	20.7
7 10	19 35.73	−19 45.8	1.581	2.595	1.9	20.4
7 20	19 25.93	−19 56.0	1.586	2.596	3.0	20.5
7 30	19 16.87	−20 5.1	1.617	2.598	7.4	20.8
8 9	19 9.56	−20 11.9	1.673	2.599	11.4	21.0
8 19	19 4.69	−20 16.0	1.750	2.599	14.8	21.2

446715 2015 OP_{40} 7 13.6 228°.68 5°.3/16.7 18

6 10	19 52.68	− 2 39.7	2.602	3.410	11.8	21.4
6 20	19 48.00	− 2 40.7	2.516	3.404	9.7	21.2
6 30	19 41.90	− 2 55.8	2.453	3.398	7.5	21.0
7 10	19 34.86	− 3 25.1	2.415	3.391	5.7	20.9
7 20	19 27.48	− 4 7.6	2.404	3.385	5.4	20.9
7 30	19 20.43	− 5 1.1	2.421	3.378	6.8	21.0
8 9	19 14.35	− 6 2.3	2.464	3.370	9.0	21.1
8 19	19 9.75	− 7 7.6	2.531	3.363	11.3	21.2

277567 2005 YF_{172} 7 13.6 185°.64 6°.7/10.3 18

6 10	20 1.97	−36 33.4	1.914	2.780	13.2	20.4
6 20	19 55.79	−37 58.4	1.851	2.780	10.4	20.2
6 30	19 46.95	−39 17.3	1.811	2.780	7.9	20.1
7 10	19 36.27	−40 22.4	1.797	2.780	6.7	20.0
7 20	19 24.94	−41 7.8	1.809	2.779	7.8	20.1
7 30	19 14.32	−41 30.6	1.846	2.778	10.2	20.2
8 9	19 5.68	−41 32.2	1.907	2.777	13.0	20.4
8 19	18 59.84	−41 16.2	1.987	2.775	15.6	20.6

3767 DiMaggio 7 13.6 77°.22 1°.7/14.4 18 R

6 10	19 57.24	−13 41.5	1.666	2.531	14.9	15.5
6 20	19 51.94	−14 32.5	1.608	2.545	11.1	15.3
6 30	19 44.45	−15 36.6	1.573	2.560	6.9	15.0
7 10	19 35.56	−16 49.9	1.563	2.575	2.7	14.8
7 20	19 26.29	−18 6.8	1.579	2.590	3.1	14.9
7 30	19 17.76	−19 22.1	1.623	2.604	7.3	15.2
8 9	19 10.94	−20 31.5	1.692	2.619	11.2	15.4
8 19	19 6.51	−21 32.2	1.783	2.633	14.5	15.7

153233 2000 YP_{112} 7 13.6 219°.92 1°.3/13.1 18

6 10	19 56.60	−25 37.5	2.672	3.536	10.0	20.9
6 20	19 50.91	−25 47.8	2.590	3.529	7.4	20.7
6 30	19 43.63	−25 57.9	2.532	3.522	4.4	20.5
7 10	19 35.33	−26 5.5	2.501	3.515	1.6	20.3
7 20	19 26.70	−26 8.8	2.500	3.507	2.6	20.4
7 30	19 18.52	−26 6.7	2.527	3.499	5.6	20.6
8 9	19 11.50	−25 59.3	2.581	3.491	8.5	20.8
8 19	19 6.17	−25 47.0	2.659	3.482	11.1	20.9

157579 2005 UC_{275} 7 13.6 187°.42 4°.1/15.7 18

6 10	19 56.80	− 7 49.6	2.008	2.845	13.8	20.4
6 20	19 51.40	− 8 12.3	1.930	2.844	10.8	20.2
6 30	19 44.08	− 8 50.2	1.874	2.844	7.6	20.0
7 10	19 35.48	− 9 42.1	1.843	2.843	4.7	19.8
7 20	19 26.41	−10 45.1	1.840	2.841	4.4	19.8
7 30	19 17.83	−11 55.3	1.865	2.839	7.1	19.9
8 9	19 10.61	−13 8.1	1.916	2.836	10.4	20.1
8 19	19 5.39	−14 19.5	1.990	2.833	13.5	20.3

21727 Rhines 7 13.6 259°.08 2°.3/14.5 18

6 10	19 58.21	−14 8.2	1.660	2.525	14.9	19.0
6 20	19 53.01	−14 27.9	1.572	2.508	11.4	18.8
6 30	19 45.34	−15 0.2	1.505	2.491	7.3	18.5
7 10	19 35.89	−15 43.3	1.463	2.474	3.2	18.2
7 20	19 25.64	−16 33.6	1.447	2.456	3.6	18.2
7 30	19 15.84	−17 26.9	1.457	2.438	8.0	18.4
8 9	19 7.69	−18 19.4	1.492	2.419	12.4	18.6
8 19	19 2.05	−19 8.1	1.548	2.400	16.3	18.8

147606 2004 GJ_{39} 7 13.6 19°.19 1°.0/13.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 53.89	−22 38.8	1.369	2.265	15.6	19.1
6 20	19 49.86	−23 0.7	1.320	2.276	11.4	18.9
6 30	19 43.34	−23 26.8	1.292	2.289	6.7	18.7
7 10	19 35.29	−23 52.9	1.288	2.302	1.9	18.4
7 20	19 26.90	−24 15.3	1.307	2.317	3.5	18.5
7 30	19 19.49	−24 31.2	1.351	2.334	8.2	18.9
8 9	19 14.13	−24 39.6	1.417	2.351	12.4	19.2
8 19	19 11.46	−24 40.9	1.503	2.369	16.0	19.4

389110 2008 YN_{57} 7 13.6 129°.74 1°.3/13.1 17

6 10	19 58.66	−24 55.2	2.095	2.965	12.1	21.3
6 20	19 52.68	−25 11.0	2.030	2.972	8.9	21.1
6 30	19 44.77	−25 27.4	1.988	2.979	5.3	20.9
7 10	19 35.65	−25 41.3	1.973	2.986	1.8	20.7
7 20	19 26.23	−25 50.2	1.985	2.993	3.0	20.8
7 30	19 17.48	−25 52.7	2.025	2.999	6.6	21.0
8 9	19 10.28	−25 48.8	2.091	3.006	10.0	21.2
8 19	19 5.21	−25 39.5	2.179	3.011	12.9	21.4

80167 1999 TL_{293} 7 13.6 142°.81 4°.8/14.9 18

6 10	20 0.31	−10 6.5	1.817	2.661	14.7	19.9
6 20	19 53.97	− 9 31.6	1.751	2.670	11.5	19.8
6 30	19 45.57	− 9 8.1	1.708	2.679	8.1	19.6
7 10	19 35.87	− 8 56.6	1.690	2.687	5.2	19.4
7 20	19 25.85	− 8 56.6	1.698	2.695	5.3	19.4
7 30	19 16.55	− 9 6.7	1.733	2.702	8.0	19.6
8 9	19 8.90	− 9 24.5	1.793	2.709	11.3	19.8
8 19	19 3.51	− 9 47.3	1.875	2.715	14.4	20.0

476133 2007 TO_{240} 7 13.6 297°.96 0°.9/13.1 18

6 10	19 55.99	−20 29.8	1.757	2.634	13.6	20.7
6 20	19 51.44	−21 25.7	1.662	2.609	10.2	20.4
6 30	19 44.47	−22 31.2	1.590	2.584	6.1	20.1
7 10	19 35.68	−23 41.7	1.544	2.559	1.7	19.8
7 20	19 26.01	−24 51.8	1.524	2.533	3.4	19.9
7 30	19 16.67	−25 56.0	1.531	2.508	8.0	20.1
8 9	19 8.85	−26 50.7	1.562	2.483	12.3	20.3
8 19	19 3.49	−27 34.2	1.614	2.459	16.1	20.5

423083 2003 YH_{31} 7 13.6 296°.52 1°.2/13.3 18

6 10	19 58.87	−23 7.5	1.378	2.266	16.0	21.0
6 20	19 54.15	−23 24.7	1.288	2.240	12.0	20.7
6 30	19 46.34	−23 46.8	1.220	2.215	7.3	20.4
7 10	19 36.23	−24 9.3	1.174	2.189	2.2	20.0
7 20	19 25.03	−24 27.9	1.153	2.163	4.0	20.0
7 30	19 14.36	−24 39.1	1.156	2.137	9.5	20.3
8 9	19 5.79	−24 41.7	1.181	2.112	14.6	20.5
8 19	19 0.41	−24 36.4	1.225	2.086	19.1	20.7

158423 2002 AS_{176} 7 13.6 269°.01 1°.8/13.0 18

6 10	19 59.55	−25 12.2	1.817	2.692	13.4	20.3
6 20	19 53.92	−25 33.3	1.728	2.674	10.0	20.1
6 30	19 45.83	−25 55.9	1.663	2.655	6.1	19.8
7 10	19 36.02	−26 16.2	1.623	2.636	2.2	19.5
7 20	19 25.49	−26 30.4	1.609	2.617	3.7	19.6
7 30	19 15.50	−26 36.3	1.622	2.597	7.9	19.8
8 9	19 7.21	−26 33.5	1.660	2.578	12.0	20.0
8 19	19 1.45	−26 23.2	1.719	2.558	15.5	20.2

5545 Makarov 7 13.6 159°.72 1°.4/13.0 18

6 10	19 58.03	−23 44.7	1.820	2.697	13.3	17.7
6 20	19 52.57	−24 16.5	1.752	2.698	9.8	17.5
6 30	19 44.87	−24 51.2	1.706	2.698	5.8	17.3
7 10	19 35.72	−25 24.7	1.685	2.699	2.0	17.0
7 20	19 26.10	−25 53.3	1.691	2.700	3.4	17.1
7 30	19 17.16	−26 14.4	1.724	2.700	7.4	17.4
8 9	19 9.91	−26 27.0	1.782	2.701	11.2	17.6
8 19	19 5.05	−26 31.7	1.861	2.701	14.5	17.8

482393 2012 BR_{6} 7 13.6 261°.25 0°.8/13.3 18

6 10	19 56.93	−24 10.9	2.399	3.265	10.9	21.8
6 20	19 51.34	−24 12.9	2.311	3.252	8.0	21.5
6 30	19 43.99	−24 15.3	2.247	3.239	4.8	21.3
7 10	19 35.47	−24 16.2	2.211	3.225	1.4	21.1
7 20	19 26.54	−24 13.7	2.202	3.212	2.6	21.1
7 30	19 18.07	−24 6.9	2.222	3.198	6.0	21.3
8 9	19 10.87	−23 55.6	2.268	3.184	9.3	21.5
8 19	19 5.52	−23 40.6	2.338	3.170	12.1	21.7

248349 2005 QY_{117} 7 13.6 344°.62 2°.4/14.6 18

6 10	19 53.27	−13 57.7	1.776	2.645	13.9	20.2
6 20	19 49.05	−14 9.4	1.701	2.640	10.6	19.9
6 30	19 42.79	−14 32.1	1.648	2.635	6.8	19.7
7 10	19 35.17	−15 4.3	1.620	2.630	3.2	19.5
7 20	19 27.07	−15 43.2	1.618	2.626	3.4	19.5
7 30	19 19.52	−16 25.6	1.641	2.623	7.1	19.7
8 9	19 13.46	−17 8.3	1.689	2.620	11.0	19.9
8 19	19 9.56	−17 48.5	1.759	2.618	14.3	20.1

142018 2002 PK_{173} 7 13.6 211°.78 3°.2/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 58.64	−12 44.3	1.815	2.670	14.3	21.2
6 20	19 52.97	−12 40.9	1.735	2.665	11.0	21.0
6 30	19 45.12	−12 48.4	1.678	2.659	7.3	20.8
7 10	19 35.80	−13 5.9	1.646	2.653	3.9	20.6
7 20	19 25.95	−13 31.4	1.641	2.647	4.0	20.6
7 30	19 16.65	−14 2.3	1.663	2.640	7.5	20.8
8 9	19 8.93	−14 36.0	1.709	2.632	11.3	21.0
8 19	19 3.49	−15 9.8	1.778	2.625	14.7	21.2

491662 2012 TK_{296} 7 13.6 271°.78 7°.8/15.9 16

6 10	19 55.44	− 2 1.6	1.932	2.750	15.0	21.7
6 20	19 50.50	− 1 9.7	1.849	2.739	12.5	21.5
6 30	19 43.61	− 0 33.6	1.788	2.728	10.0	21.3
7 10	19 35.40	− 0 15.8	1.749	2.717	8.2	21.2
7 20	19 26.67	− 0 17.5	1.736	2.706	8.0	21.1
7 30	19 18.40	− 0 37.8	1.747	2.694	9.7	21.2
8 9	19 11.46	− 1 13.5	1.782	2.683	12.2	21.3
8 19	19 6.55	− 2 0.4	1.839	2.672	14.9	21.5

277482 2005 WR_{37} 7 13.6 161°.66 0°.6/13.4 17

6 10	19 58.93	−21 39.9	1.971	2.839	12.8	21.4
6 20	19 53.04	−22 6.3	1.901	2.844	9.4	21.2
6 30	19 45.07	−22 36.7	1.856	2.847	5.6	21.0
7 10	19 35.77	−23 7.7	1.836	2.851	1.5	20.7
7 20	19 26.06	−23 36.0	1.844	2.854	2.8	20.8
7 30	19 16.99	−23 59.2	1.879	2.856	6.8	21.1
8 9	19 9.50	−24 16.1	1.940	2.858	10.5	21.3
8 19	19 4.23	−24 26.8	2.024	2.860	13.6	21.5

17954 Hopkins 7 13.6 93°.77 2°.3/12.9 18

6 10	20 2.01	−25 2.7	1.392	2.276	16.1	18.3
6 20	19 55.94	−25 38.7	1.338	2.288	11.8	18.0
6 30	19 47.02	−26 16.6	1.306	2.299	7.1	17.8
7 10	19 36.31	−26 50.8	1.297	2.311	2.7	17.6
7 20	19 25.17	−27 16.2	1.314	2.322	4.4	17.7
7 30	19 15.13	−27 30.2	1.356	2.333	9.0	18.0
8 9	19 7.43	−27 32.9	1.421	2.344	13.2	18.3
8 19	19 2.81	−27 26.3	1.506	2.354	16.9	18.5

423000 2003 SC_{243} 7 13.6 262°.39 0°.2/13.6 17

6 10	20 0.33	−20 25.4	1.630	2.504	14.7	22.8
6 20	19 54.71	−20 37.3	1.540	2.485	11.0	22.5
6 30	19 46.42	−20 55.0	1.473	2.465	6.7	22.2
7 10	19 36.21	−21 15.7	1.430	2.445	1.8	21.8
7 20	19 25.17	−21 35.8	1.414	2.425	3.2	21.9
7 30	19 14.65	−21 52.6	1.424	2.404	8.2	22.1
8 9	19 5.93	−22 4.6	1.457	2.382	12.8	22.4
8 19	18 59.93	−22 11.5	1.512	2.361	16.8	22.6

390266 2012 XD_{138} 7 13.6 73°.78 4°.2/14.8 18

6 10	19 56.61	−11 23.9	1.957	2.808	13.6	20.2
6 20	19 51.18	−10 48.0	1.888	2.812	10.5	20.0
6 30	19 43.90	−10 21.6	1.842	2.817	7.3	19.8
7 10	19 35.45	−10 5.2	1.821	2.821	4.6	19.7
7 20	19 26.68	− 9 58.6	1.827	2.826	4.7	19.7
7 30	19 18.54	−10 0.9	1.859	2.831	7.4	19.8
8 9	19 11.84	−10 10.1	1.917	2.836	10.5	20.0
8 19	19 7.18	−10 24.2	1.996	2.840	13.5	20.2

454807 2015 RS_{61} 7 13.6 269°.71 2°.1/14.6 18

6 10	19 53.47	−14 12.1	2.496	3.349	10.9	21.6
6 20	19 48.72	−14 16.1	2.406	3.335	8.3	21.4
6 30	19 42.41	−14 27.4	2.340	3.322	5.4	21.2
7 10	19 35.06	−14 45.3	2.300	3.309	2.6	21.0
7 20	19 27.32	−15 8.0	2.288	3.295	2.8	21.0
7 30	19 19.92	−15 33.9	2.305	3.282	5.7	21.2
8 9	19 13.57	−16 0.9	2.347	3.268	8.8	21.3
8 19	19 8.83	−16 27.7	2.414	3.255	11.5	21.5

506014 2015 HB_{63} 7 13.6 140°.88 6°.2/11.0 17

6 10	20 3.09	−37 13.1	2.004	2.865	12.9	22.0
6 20	19 56.36	−38 14.3	1.946	2.873	10.1	21.8
6 30	19 47.15	−39 7.6	1.912	2.880	7.6	21.6
7 10	19 36.35	−39 46.6	1.903	2.888	6.2	21.6
7 20	19 25.10	−40 6.9	1.921	2.894	7.1	21.6
7 30	19 14.72	−40 7.1	1.965	2.900	9.5	21.8
8 9	19 6.31	−39 49.4	2.032	2.906	12.1	22.0
8 19	19 0.58	−39 17.5	2.120	2.912	14.6	22.2

167358 2003 WD_{36} 7 13.6 209°.01 5°.2/15.1 17

6 10	19 56.99	− 7 56.5	2.137	2.970	13.2	20.2
6 20	19 51.40	− 7 12.7	2.058	2.967	10.5	20.0
6 30	19 44.02	− 6 39.5	2.002	2.964	7.7	19.8
7 10	19 35.50	− 6 18.2	1.972	2.961	5.6	19.7
7 20	19 26.59	− 6 9.1	1.968	2.957	5.6	19.7
7 30	19 18.19	− 6 11.5	1.991	2.953	7.7	19.8
8 9	19 11.08	− 6 23.5	2.040	2.948	10.5	20.0
8 19	19 5.87	− 6 42.7	2.111	2.944	13.2	20.1

314015 2004 VK_{112} 7 13.6 220°.10 5°.8/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 53.13	− 1 33.3	2.823	3.620	11.3	20.9
6 20	19 48.23	− 1 0.1	2.737	3.614	9.4	20.8
6 30	19 42.01	− 0 38.9	2.675	3.607	7.5	20.7
7 10	19 34.95	− 0 30.8	2.638	3.600	6.1	20.6
7 20	19 27.57	− 0 36.0	2.628	3.593	5.9	20.5
7 30	19 20.52	− 0 53.8	2.644	3.585	7.1	20.6
8 9	19 14.37	− 1 21.9	2.687	3.578	9.0	20.7
8 19	19 9.60	− 1 57.7	2.753	3.570	10.9	20.8

490216 2008 VV_{10} 7 13.6 328°.42 12°.2/15.1 16

6 10	19 51.08	− 1 0.2	1.258	2.109	19.6	21.1
6 20	19 48.29	+ 0 35.4	1.171	2.078	16.9	20.8
6 30	19 42.81	+ 1 52.3	1.103	2.048	14.3	20.6
7 10	19 35.30	+ 2 43.3	1.053	2.019	12.4	20.4
7 20	19 26.79	+ 3 2.8	1.024	1.992	12.4	20.3
7 30	19 18.67	+ 2 48.9	1.015	1.966	14.4	20.3
8 9	19 12.35	+ 2 5.0	1.024	1.941	17.6	20.4
8 19	19 8.89	+ 0 58.1	1.050	1.918	21.1	20.6

186492 2002 TZ_{245} 7 13.6 318°.83 2°.4/12.7 18

6 10	19 56.39	−23 37.2	1.315	2.210	16.2	19.7
6 20	19 52.29	−24 31.7	1.242	2.197	12.0	19.4
6 30	19 45.18	−25 33.2	1.189	2.184	7.3	19.1
7 10	19 35.92	−26 35.6	1.158	2.172	2.8	18.8
7 20	19 25.76	−27 31.7	1.153	2.160	4.7	18.9
7 30	19 16.30	−28 16.0	1.170	2.149	9.8	19.1
8 9	19 9.02	−28 46.0	1.210	2.139	14.5	19.4
8 19	19 4.93	−29 2.1	1.268	2.129	18.7	19.6

91914 1999 VD_{31} 7 13.6 271°.66 0°.2/13.5 18

6 10	19 55.11	−21 21.2	2.440	3.306	10.7	20.2
6 20	19 50.04	−21 37.7	2.347	3.288	7.9	20.0
6 30	19 43.26	−21 57.6	2.279	3.270	4.7	19.8
7 10	19 35.31	−22 18.8	2.237	3.252	1.3	19.5
7 20	19 26.90	−22 38.9	2.224	3.234	2.4	19.5
7 30	19 18.84	−22 56.1	2.238	3.216	5.9	19.8
8 9	19 11.93	−23 9.3	2.279	3.197	9.2	19.9
8 19	19 6.77	−23 18.1	2.344	3.178	12.0	20.1

155213 2005 UU_{494} 7 13.6 246°.98 0°.6/13.9 18

6 10	19 54.32	−17 36.1	2.379	3.240	11.1	20.0
6 20	19 49.43	−18 7.1	2.296	3.233	8.3	19.8
6 30	19 42.87	−18 44.8	2.237	3.226	5.0	19.6
7 10	19 35.20	−19 26.9	2.205	3.219	1.6	19.4
7 20	19 27.11	−20 10.5	2.202	3.212	2.3	19.4
7 30	19 19.41	−20 52.9	2.226	3.205	5.8	19.6
8 9	19 12.86	−21 31.9	2.278	3.198	9.0	19.8
8 19	19 8.04	−22 6.1	2.352	3.191	11.9	20.0

371567 2006 VE_{72} 7 13.6 301°.01 0°.6/13.8 17

6 10	19 57.29	−19 29.1	1.388	2.274	16.0	21.5
6 20	19 52.83	−19 36.4	1.301	2.251	12.1	21.2
6 30	19 45.48	−19 51.7	1.235	2.229	7.4	20.8
7 10	19 36.01	−20 12.0	1.192	2.207	2.2	20.5
7 20	19 25.57	−20 34.1	1.173	2.184	3.5	20.5
7 30	19 15.68	−20 54.6	1.179	2.162	9.0	20.7
8 9	19 7.78	−21 11.3	1.206	2.141	14.1	21.0
8 19	19 2.88	−21 23.3	1.253	2.120	18.5	21.2

246710 2009 BO_{7} 7 13.6 218°.21 2°.8/14.9 18

6 10	19 55.56	−11 36.8	2.236	3.082	12.3	20.9
6 20	19 50.38	−11 50.1	2.152	3.076	9.4	20.7
6 30	19 43.46	−12 14.1	2.092	3.070	6.3	20.5
7 10	19 35.38	−12 47.5	2.057	3.063	3.4	20.3
7 20	19 26.86	−13 28.2	2.051	3.056	3.4	20.3
7 30	19 18.75	−14 13.4	2.072	3.049	6.4	20.5
8 9	19 11.85	−15 0.1	2.120	3.041	9.6	20.7
8 19	19 6.75	−15 46.0	2.191	3.033	12.5	20.9

290604 2005 UB_{197} 7 13.6 32°.02 9°.3/16.9 16

6 10	19 54.00	+ 2 18.4	1.972	2.770	15.4	19.8
6 20	19 49.25	+ 3 28.7	1.911	2.777	13.2	19.7
6 30	19 42.75	+ 4 20.3	1.870	2.785	11.1	19.6
7 10	19 35.17	+ 4 50.1	1.852	2.794	9.6	19.5
7 20	19 27.28	+ 4 57.0	1.858	2.803	9.4	19.5
7 30	19 19.96	+ 4 42.0	1.887	2.812	10.4	19.6
8 9	19 13.98	+ 4 8.5	1.940	2.822	12.3	19.7
8 19	19 9.90	+ 3 21.5	2.013	2.832	14.3	19.9

401212 2011 YZ_{37} 7 13.6 274°.66 1°.9/14.6 18

6 10	19 53.63	−13 59.9	2.324	3.179	11.6	20.7
6 20	19 48.96	−14 23.2	2.237	3.168	8.8	20.4
6 30	19 42.63	−14 55.7	2.174	3.157	5.6	20.2
7 10	19 35.16	−15 35.8	2.136	3.146	2.5	20.0
7 20	19 27.25	−16 20.9	2.127	3.135	2.7	20.0
7 30	19 19.70	−17 8.3	2.145	3.124	5.9	20.2
8 9	19 13.28	−17 55.1	2.190	3.113	9.2	20.4
8 19	19 8.58	−18 39.2	2.259	3.102	12.1	20.6

476238 2007 VF_{57} 7 13.6 258.°87 1.°5/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 56.78	−23 31.8	2.071	2.943	12.1	21.7
6 20	19 51.58	−24 13.2	1.988	2.932	8.9	21.4
6 30	19 44.31	−24 58.4	1.929	2.921	5.4	21.2
7 10	19 35.64	−25 43.3	1.896	2.910	1.9	20.9
7 20	19 26.40	−26 24.2	1.891	2.899	3.2	21.0
7 30	19 17.62	−26 57.8	1.913	2.887	7.0	21.2
8 9	19 10.26	−27 22.7	1.961	2.876	10.6	21.4
8 19	19 5.03	−27 38.9	2.031	2.864	13.7	21.6

185167 2006 SP_{246} 7 13.6 138.°34 1.°1/13.9 17

6 10	20 0.30	−17 34.1	1.806	2.670	14.0	21.4
6 20	19 54.09	−17 49.8	1.743	2.681	10.4	21.2
6 30	19 45.72	−18 12.8	1.702	2.691	6.3	21.0
7 10	19 35.98	−18 40.3	1.687	2.701	2.1	20.7
7 20	19 25.88	−19 9.4	1.699	2.710	2.9	20.8
7 30	19 16.52	−19 37.4	1.739	2.718	7.1	21.1
8 9	19 8.87	−20 2.2	1.804	2.726	10.9	21.3
8 19	19 3.58	−20 23.1	1.891	2.733	14.2	21.6

111954 2002 GZ_{65} 7 13.6 348.°92 4.°3/14.8 17

6 10	19 51.05	−13 14.0	0.998	1.901	19.5	18.9
6 20	19 48.61	−13 2.0	0.936	1.890	15.0	18.6
6 30	19 43.08	−13 7.5	0.890	1.882	10.0	18.3
7 10	19 35.38	−13 30.3	0.865	1.875	5.2	18.0
7 20	19 26.88	−14 7.4	0.860	1.869	5.4	18.0
7 30	19 19.26	−14 54.1	0.876	1.865	10.3	18.2
8 9	19 14.04	−15 44.5	0.911	1.863	15.5	18.5
8 19	19 12.15	−16 33.2	0.964	1.862	20.1	18.8

253808 2003 YS_{6} 7 13.6 145.°41 1.°0/13.3 17

6 10	20 2.34	−23 49.6	1.858	2.726	13.4	21.2
6 20	19 55.58	−24 3.2	1.794	2.735	9.9	21.0
6 30	19 46.59	−24 18.1	1.753	2.745	5.9	20.8
7 10	19 36.22	−24 31.0	1.739	2.753	1.8	20.5
7 20	19 25.50	−24 39.1	1.752	2.761	3.1	20.6
7 30	19 15.60	−24 41.0	1.793	2.768	7.2	20.9
8 9	19 7.51	−24 36.6	1.859	2.775	11.0	21.1
8 19	19 1.88	−24 27.1	1.947	2.781	14.1	21.4

42985 1999 TR_{230} 7 13.6 236.°35 3.°8/15.5 18 R

6 10	19 53.34	− 8 4.3	2.783	3.610	10.7	19.6
6 20	19 48.46	− 7 56.7	2.692	3.599	8.4	19.4
6 30	19 42.21	− 7 58.6	2.624	3.587	6.1	19.2
7 10	19 35.04	− 8 10.2	2.582	3.575	4.1	19.1
7 20	19 27.53	− 8 30.6	2.569	3.563	4.0	19.1
7 30	19 20.32	− 8 58.3	2.584	3.550	5.9	19.2
8 9	19 14.02	− 9 31.4	2.625	3.537	8.3	19.3
8 19	19 9.14	−10 7.6	2.691	3.523	10.7	19.5

193034 2000 ED_{115} 7 13.6 252.°11 1.°9/14.2 17

6 10	20 0.13	−16 32.5	1.432	2.307	16.3	20.3
6 20	19 54.73	−16 36.1	1.352	2.295	12.3	20.0
6 30	19 46.51	−16 50.0	1.293	2.283	7.7	19.7
7 10	19 36.29	−17 12.1	1.258	2.270	3.0	19.4
7 20	19 25.26	−17 39.2	1.247	2.258	3.7	19.4
7 30	19 14.87	−18 7.9	1.262	2.244	8.7	19.7
8 9	19 6.49	−18 35.6	1.300	2.231	13.6	19.9
8 19	19 1.04	−19 0.4	1.358	2.217	17.7	20.1

294724 2008 BJ_{38} 7 13.6 54.°92 0.°8/13.9 16

6 10	19 55.71	−18 54.8	1.968	2.838	12.7	21.5
6 20	19 50.55	−19 1.8	1.908	2.850	9.4	21.3
6 30	19 43.54	−19 14.1	1.871	2.862	5.7	21.1
7 10	19 35.39	−19 29.7	1.859	2.873	1.8	20.9
7 20	19 26.97	−19 46.2	1.875	2.886	2.6	20.9
7 30	19 19.22	−20 1.8	1.917	2.898	6.4	21.2
8 9	19 12.96	−20 15.2	1.985	2.910	9.9	21.5
8 19	19 8.75	−20 25.6	2.075	2.923	12.9	21.7

311433 2005 UV_{175} 7 13.6 250.°56 2.°9/14.7 18

6 10	19 54.76	−12 48.3	2.435	3.282	11.4	21.1
6 20	19 49.66	−12 31.0	2.349	3.273	8.7	20.9
6 30	19 42.98	−12 21.0	2.287	3.264	5.9	20.7
7 10	19 35.26	−12 18.1	2.250	3.255	3.3	20.6
7 20	19 27.18	−12 21.7	2.242	3.245	3.5	20.5
7 30	19 19.49	−12 30.5	2.262	3.236	6.1	20.7
8 9	19 12.92	−12 43.2	2.308	3.226	9.0	20.9
8 19	19 8.00	−12 58.3	2.377	3.216	11.8	21.0

186063 2001 SC_{166} 7 13.6 357.°66 2.°0/14.2 17

6 10	19 53.30	−16 40.6	1.154	2.052	17.7	19.8
6 20	19 49.95	−16 46.3	1.093	2.048	13.4	19.5
6 30	19 43.71	−17 4.3	1.051	2.045	8.3	19.2
7 10	19 35.53	−17 32.2	1.030	2.043	3.1	18.9
7 20	19 26.71	−18 6.2	1.031	2.043	3.9	19.0
7 30	19 18.78	−18 41.9	1.056	2.043	9.2	19.3
8 9	19 13.10	−19 15.6	1.101	2.045	14.1	19.6
8 19	19 10.49	−19 44.7	1.165	2.048	18.4	19.8

481740 2008 GK_{80} 7 13.6 271.°19 0.°9/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 54.34	−17 9.6	2.241	3.104	11.6	21.4
6 20	19 49.55	−17 34.1	2.159	3.097	8.7	21.2
6 30	19 43.00	−18 5.8	2.100	3.089	5.3	21.0
7 10	19 35.28	−18 42.4	2.068	3.082	1.8	20.7
7 20	19 27.13	−19 21.3	2.063	3.074	2.4	20.8
7 30	19 19.39	−19 59.7	2.087	3.066	6.0	21.0
8 9	19 12.88	−20 35.5	2.136	3.059	9.4	21.2
8 19	19 8.18	−21 7.1	2.208	3.051	12.4	21.4

211123 2002 GZ_{39} 7 13.6 13.°70 1.°7/13.3 17

6 10	19 56.40	−25 18.7	0.953	1.866	19.2	19.6
6 20	19 52.62	−25 11.5	0.906	1.870	14.2	19.3
6 30	19 45.37	−25 4.7	0.877	1.875	8.5	19.1
7 10	19 35.96	−24 54.2	0.868	1.883	2.7	18.8
7 20	19 26.08	−24 37.2	0.880	1.891	4.5	18.9
7 30	19 17.62	−24 13.2	0.914	1.901	10.3	19.3
8 9	19 12.03	−23 43.5	0.967	1.913	15.5	19.6
8 19	19 10.04	−23 10.4	1.038	1.925	19.8	19.9

308606 2005 VU_{130} 7 13.6 94.°57 1.°8/14.5 18

6 10	19 54.40	−14 46.9	2.236	3.093	11.9	21.6
6 20	19 49.46	−15 3.5	2.165	3.098	8.9	21.4
6 30	19 42.88	−15 28.2	2.119	3.104	5.6	21.2
7 10	19 35.24	−15 59.4	2.098	3.109	2.4	21.0
7 20	19 27.28	−16 34.7	2.106	3.115	2.7	21.1
7 30	19 19.82	−17 11.4	2.141	3.120	5.9	21.3
8 9	19 13.60	−17 47.4	2.202	3.125	9.2	21.5
8 19	19 9.16	−18 20.9	2.286	3.131	12.0	21.7

342589 2008 UH_{289} 7 13.6 191.°36 2.°1/14.4 17

6 10	19 56.94	−14 58.7	2.174	3.028	12.3	21.5
6 20	19 51.40	−14 58.9	2.096	3.027	9.3	21.3
6 30	19 44.07	−15 6.5	2.042	3.026	5.9	21.1
7 10	19 35.57	−15 20.5	2.014	3.024	2.7	20.9
7 20	19 26.69	−15 39.0	2.014	3.022	3.0	20.9
7 30	19 18.31	−16 0.3	2.042	3.019	6.3	21.1
8 9	19 11.25	−16 22.3	2.096	3.017	9.7	21.3
8 19	19 6.10	−16 43.7	2.172	3.013	12.6	21.5

92613 2000 QO 7 13.6 244.°01 1.°3/13.1 18

6 10	19 59.00	−23 30.5	1.949	2.820	12.8	19.9
6 20	19 53.33	−23 59.2	1.864	2.808	9.5	19.6
6 30	19 45.43	−24 31.1	1.803	2.795	5.7	19.4
7 10	19 35.98	−25 2.5	1.768	2.782	1.8	19.1
7 20	19 25.93	−25 29.6	1.760	2.769	3.2	19.2
7 30	19 16.38	−25 50.0	1.780	2.755	7.3	19.4
8 9	19 8.40	−26 2.4	1.825	2.741	11.1	19.6
8 19	19 2.72	−26 7.4	1.891	2.727	14.4	19.8

318155 2004 PH_{103} 7 13.6 339.°08 8.°7/11.4 18

6 10	19 58.33	−40 52.1	1.487	2.366	15.6	18.8
6 20	19 53.87	−41 28.1	1.411	2.343	12.8	18.6
6 30	19 46.17	−41 50.9	1.355	2.322	10.1	18.3
7 10	19 36.23	−41 52.8	1.320	2.302	8.7	18.2
7 20	19 25.52	−41 28.3	1.308	2.283	9.6	18.2
7 30	19 15.81	−40 36.6	1.319	2.265	12.2	18.3
8 9	19 8.61	−39 22.0	1.351	2.249	15.5	18.5
8 19	19 4.82	−37 51.2	1.402	2.235	18.7	18.6

408891 2001 UY_{38} 7 13.6 255.°60 1.°9/12.9 17

6 10	20 1.58	−24 3.2	1.505	2.385	15.3	21.6
6 20	19 55.91	−24 37.8	1.422	2.370	11.4	21.3
6 30	19 47.29	−25 16.7	1.361	2.354	6.9	21.0
7 10	19 36.55	−25 54.9	1.324	2.338	2.5	20.7
7 20	19 24.89	−26 26.8	1.313	2.321	4.2	20.8
7 30	19 13.86	−26 48.8	1.327	2.304	9.1	21.0
8 9	19 4.88	−26 59.7	1.365	2.286	13.7	21.3
8 19	18 58.95	−27 0.6	1.422	2.268	17.8	21.5

103050 1999 XV_{129} 7 13.6 290.°13 7.°8/ 9.9 18

6 10	20 1.19	−38 35.9	1.787	2.655	13.9	19.2
6 20	19 55.67	−39 55.2	1.708	2.636	11.2	19.0
6 30	19 47.18	−41 7.8	1.652	2.617	8.8	18.8
7 10	19 36.52	−42 5.3	1.621	2.598	7.8	18.7
7 20	19 24.92	−42 40.7	1.614	2.580	8.9	18.7
7 30	19 13.96	−42 51.0	1.631	2.561	11.5	18.8
8 9	19 5.09	−42 37.2	1.670	2.542	14.4	19.0
8 19	18 59.31	−42 4.0	1.729	2.523	17.3	19.1

88080 2000 WG_{17} 7 13.6 117.°45 5.°3/10.6 18

6 10	19 58.23	−34 56.0	2.277	3.143	11.4	19.0
6 20	19 52.64	−36 10.5	2.214	3.146	8.8	18.8
6 30	19 44.94	−37 20.4	2.175	3.148	6.5	18.7
7 10	19 35.83	−38 20.1	2.163	3.151	5.3	18.6
7 20	19 26.23	−39 4.9	2.178	3.153	6.2	18.7
7 30	19 17.20	−39 32.6	2.219	3.156	8.5	18.8
8 9	19 9.69	−39 43.4	2.284	3.158	11.0	19.0
8 19	19 4.40	−39 39.5	2.371	3.160	13.3	19.1

86196 Specula 7 13.6 235°.71 5°.7/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 54.11	− 2 56.0	2.750	3.553	11.4	20.3
6 20	19 49.03	− 2 18.1	2.660	3.543	9.4	20.1
6 30	19 42.56	− 1 51.5	2.593	3.531	7.4	19.9
7 10	19 35.16	− 1 37.2	2.552	3.520	6.0	19.8
7 20	19 27.43	− 1 35.9	2.538	3.508	5.8	19.8
7 30	19 20.01	− 1 46.8	2.551	3.496	7.1	19.9
8 9	19 13.52	− 2 8.1	2.590	3.483	9.2	20.0
8 19	19 8.45	− 2 37.3	2.653	3.471	11.3	20.1

332526 2008 LK_8 7 13.6 136°.53 4°.2/15.4 17

6 10	19 58.10	− 9 20.1	1.834	2.679	14.6	21.0
6 20	19 52.43	− 9 20.9	1.768	2.688	11.4	20.8
6 30	19 44.74	− 9 35.5	1.724	2.697	7.8	20.6
7 10	19 35.77	−10 3.0	1.704	2.705	4.8	20.4
7 20	19 26.43	−10 41.2	1.712	2.713	4.7	20.4
7 30	19 17.73	−11 27.0	1.746	2.720	7.5	20.6
8 9	19 10.60	−12 16.4	1.806	2.727	10.9	20.8
8 19	19 5.65	−13 6.4	1.887	2.734	14.0	21.1

40652 1999 RP_{189} 7 13.6 352°.47 1°.2/14.1 18

6 10	19 53.69	−17 9.4	1.355	2.245	16.2	18.8
6 20	19 49.96	−17 30.6	1.288	2.239	12.1	18.5
6 30	19 43.62	−18 3.1	1.241	2.235	7.4	18.3
7 10	19 35.53	−18 43.8	1.217	2.232	2.5	17.9
7 20	19 26.81	−19 28.4	1.218	2.229	3.4	18.0
7 30	19 18.85	−20 12.5	1.242	2.227	8.4	18.3
8 9	19 12.84	−20 52.4	1.288	2.227	13.0	18.6
8 19	19 9.60	−21 25.9	1.355	2.227	17.0	18.8

523192 2016 UC_{149} 7 13.6 291°.07 2°.1/14.3 18

6 10	19 56.03	−16 19.0	2.051	2.913	12.6	21.5
6 20	19 50.86	−16 1.5	1.971	2.906	9.5	21.3
6 30	19 43.81	−15 50.0	1.913	2.899	6.0	21.1
7 10	19 35.53	−15 43.9	1.882	2.893	2.7	20.9
7 20	19 26.84	−15 42.0	1.877	2.886	3.1	20.9
7 30	19 18.67	−15 43.4	1.900	2.879	6.6	21.1
8 9	19 11.88	−15 46.9	1.948	2.872	10.1	21.3
8 19	19 7.08	−15 51.5	2.019	2.866	13.2	21.5

441963 2010 MB_{24} 7 13.6 359°.06 3°.7/12.6 18

6 10	19 58.88	−31 40.1	1.887	2.762	12.9	20.6
6 20	19 53.21	−31 52.2	1.819	2.761	9.8	20.4
6 30	19 45.28	−31 59.2	1.774	2.761	6.4	20.2
7 10	19 35.92	−31 57.2	1.754	2.760	3.9	20.1
7 20	19 26.20	−31 43.6	1.761	2.760	4.8	20.1
7 30	19 17.29	−31 18.1	1.794	2.761	8.0	20.3
8 9	19 10.20	−30 42.3	1.851	2.761	11.3	20.5
8 19	19 5.56	−29 59.2	1.930	2.762	14.3	20.7

420347 2012 BB_{56} 7 13.6 215°.79 0°.5/13.8 17

6 10	19 59.01	−17 45.8	1.555	2.429	15.3	20.8
6 20	19 53.67	−18 24.9	1.482	2.426	11.4	20.6
6 30	19 45.77	−19 14.5	1.431	2.423	6.9	20.3
7 10	19 36.11	−20 10.4	1.405	2.419	2.0	20.0
7 20	19 25.79	−21 7.7	1.405	2.416	3.2	20.1
7 30	19 16.13	−22 1.5	1.430	2.412	8.0	20.4
8 9	19 8.33	−22 48.4	1.480	2.407	12.5	20.6
8 19	19 3.24	−23 26.9	1.551	2.403	16.3	20.8

92112 1999 XY_{69} 7 13.6 174°.36 0°.1/13.6 18

6 10	19 54.68	−20 46.5	2.704	3.565	9.9	20.2
6 20	19 49.48	−21 5.2	2.628	3.566	7.3	20.0
6 30	19 42.83	−21 27.0	2.577	3.568	4.3	19.8
7 10	19 35.24	−21 50.0	2.554	3.569	1.2	19.6
7 20	19 27.37	−22 12.1	2.559	3.569	2.1	19.6
7 30	19 19.91	−22 31.7	2.593	3.570	5.2	19.9
8 9	19 13.52	−22 47.6	2.654	3.570	8.1	20.0
8 19	19 8.69	−22 59.6	2.739	3.570	10.6	20.2

259612 2003 US_{367} 7 13.6 38°.78 3°.6/12.4 17

6 10	19 59.70	−26 42.2	1.283	2.176	16.6	20.4
6 20	19 54.60	−27 35.0	1.228	2.181	12.3	20.2
6 30	19 46.45	−28 29.3	1.193	2.187	7.6	19.9
7 10	19 36.29	−29 17.9	1.182	2.193	3.8	19.7
7 20	19 25.56	−29 54.5	1.195	2.199	5.4	19.8
7 30	19 15.89	−30 15.4	1.231	2.206	9.9	20.1
8 9	19 8.68	−30 20.9	1.290	2.213	14.3	20.4
8 19	19 4.72	−30 13.4	1.367	2.220	18.0	20.6

211413 2002 VM_{111} 7 13.6 331°.59 2°.0/13.2 18

6 10	19 56.59	−26 42.5	1.444	2.336	15.2	19.1
6 20	19 52.20	−26 39.0	1.364	2.317	11.4	18.8
6 30	19 45.03	−26 33.9	1.304	2.299	7.0	18.5
7 10	19 35.93	−26 23.8	1.268	2.282	2.6	18.2
7 20	19 26.12	−26 5.8	1.257	2.266	4.1	18.2
7 30	19 17.06	−25 39.1	1.269	2.250	8.9	18.5
8 9	19 10.07	−25 5.0	1.305	2.236	13.4	18.7
8 19	19 6.02	−24 25.8	1.359	2.223	17.5	18.9

176394 2001 UA_{86} 7 13.6 205°.43 1°.0/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 56.29	−23 5.0	2.091	2.963	12.0	20.6
6 20	19 51.09	−23 32.0	2.019	2.963	8.8	20.4
6 30	19 43.95	−24 1.7	1.971	2.963	5.2	20.2
7 10	19 35.58	−24 31.1	1.948	2.963	1.6	19.9
7 20	19 26.79	−24 57.1	1.953	2.962	2.9	20.0
7 30	19 18.57	−25 17.4	1.986	2.962	6.6	20.2
8 9	19 11.78	−25 31.0	2.044	2.962	10.0	20.5
8 19	19 7.05	−25 38.1	2.124	2.961	13.0	20.7

244562 2002 VE_{104} 7 13.6 336°.97 4°.0/14.3 18

6 10	19 54.09	−15 2.2	1.404	2.286	16.1	18.9
6 20	19 50.21	−14 14.1	1.325	2.269	12.4	18.6
6 30	19 43.78	−13 33.6	1.266	2.253	8.3	18.4
7 10	19 35.59	−13 1.8	1.230	2.238	4.6	18.1
7 20	19 26.73	−12 39.5	1.218	2.224	5.0	18.1
7 30	19 18.52	−12 26.4	1.229	2.211	9.0	18.3
8 9	19 12.16	−12 21.3	1.263	2.199	13.4	18.5
8 19	19 8.51	−12 22.4	1.316	2.188	17.4	18.7

238818 2005 PO_{23} 7 13.6 356°.48 3°.4/11.9 18

6 10	19 53.77	−31 55.1	2.644	3.513	9.9	19.6
6 20	19 48.99	−32 30.2	2.573	3.511	7.5	19.4
6 30	19 42.61	−33 2.2	2.527	3.510	5.0	19.3
7 10	19 35.20	−33 27.8	2.508	3.509	3.4	19.2
7 20	19 27.48	−33 44.5	2.516	3.508	4.2	19.2
7 30	19 20.22	−33 50.9	2.551	3.508	6.5	19.4
8 9	19 14.17	−33 47.0	2.612	3.508	9.0	19.5
8 19	19 9.85	−33 34.2	2.695	3.508	11.3	19.7

373755 2002 TY_{165} 7 13.6 321°.09 5°.2/13.9 18

6 10	19 56.30	−15 20.9	1.168	2.058	18.1	20.1
6 20	19 52.48	−14 9.1	1.081	2.029	14.2	19.8
6 30	19 45.50	−13 2.0	1.013	2.001	9.6	19.5
7 10	19 36.14	−12 2.3	0.967	1.974	5.7	19.2
7 20	19 25.68	−11 12.8	0.942	1.947	6.4	19.1
7 30	19 15.78	−10 35.5	0.941	1.922	11.1	19.3
8 9	19 8.08	−10 10.9	0.959	1.898	16.3	19.5
8 19	19 3.68	− 9 57.8	0.995	1.875	21.1	19.7

480057 2015 CX_{54} 7 13.6 37°.73 3°.6/14.9 17

6 10	19 55.59	−12 12.6	1.469	2.340	16.2	20.6
6 20	19 50.96	−12 11.8	1.413	2.350	12.4	20.3
6 30	19 44.01	−12 25.0	1.377	2.361	8.2	20.1
7 10	19 35.61	−12 50.6	1.364	2.372	4.4	19.9
7 20	19 26.83	−13 26.0	1.377	2.383	4.4	20.0
7 30	19 18.88	−14 7.4	1.414	2.395	8.1	20.2
8 9	19 12.78	−14 50.8	1.474	2.408	12.1	20.5
8 19	19 9.19	−15 32.9	1.556	2.421	15.6	20.7

425629 2010 VL_{101} 7 13.6 273°.86 1°.6/14.1 17

6 10	19 58.72	−17 38.4	1.500	2.377	15.6	21.5
6 20	19 53.55	−17 37.0	1.423	2.367	11.7	21.3
6 30	19 45.74	−17 43.7	1.367	2.358	7.3	21.0
7 10	19 36.13	−17 56.7	1.335	2.348	2.6	20.7
7 20	19 25.84	−18 13.2	1.328	2.338	3.5	20.7
7 30	19 16.21	−18 30.8	1.346	2.328	8.3	21.0
8 9	19 8.50	−18 47.3	1.388	2.319	12.8	21.2
8 19	19 3.55	−19 1.6	1.450	2.309	16.8	21.4

144066 2004 BD_{44} 7 13.6 242°.39 1°.9/12.9 18

6 10	20 0.71	−24 52.4	1.748	2.623	13.8	20.1
6 20	19 54.87	−25 25.5	1.666	2.611	10.3	19.9
6 30	19 46.49	−26 1.2	1.607	2.599	6.2	19.6
7 10	19 36.33	−26 34.8	1.573	2.586	2.4	19.3
7 20	19 25.47	−27 2.1	1.566	2.573	3.9	19.4
7 30	19 15.20	−27 19.9	1.585	2.559	8.1	19.6
8 9	19 6.73	−27 27.7	1.629	2.545	12.2	19.8
8 19	19 0.89	−27 26.4	1.694	2.531	15.8	20.0

316957 2001 EN_{22} 7 13.6 128°.70 1°.1/13.9 17

6 10	20 0.21	−17 45.4	1.662	2.531	14.7	21.0
6 20	19 54.22	−18 0.8	1.600	2.540	10.9	20.8
6 30	19 45.91	−18 24.1	1.560	2.550	6.6	20.6
7 10	19 36.13	−18 52.2	1.545	2.559	2.2	20.3
7 20	19 25.95	−19 22.0	1.556	2.567	3.0	20.4
7 30	19 16.56	−19 50.4	1.595	2.575	7.4	20.7
8 9	19 9.02	−20 15.4	1.658	2.583	11.5	21.0
8 19	19 3.99	−20 36.0	1.742	2.590	14.9	21.2

193466 2000 XA_{16} 7 13.6 245°.63 3°.2/12.7 18

6 10	20 2.40	−30 23.3	1.970	2.838	12.8	20.1
6 20	19 55.85	−30 35.2	1.887	2.827	9.6	19.9
6 30	19 46.93	−30 43.1	1.828	2.814	6.2	19.6
7 10	19 36.42	−30 42.9	1.794	2.802	3.4	19.4
7 20	19 25.38	−30 31.7	1.788	2.789	4.5	19.5
7 30	19 15.03	−30 8.7	1.809	2.776	7.9	19.7
8 9	19 6.46	−29 35.5	1.855	2.763	11.5	19.9
8 19	19 0.39	−28 54.7	1.923	2.749	14.6	20.0

9199 1993 FO_1 7 13.6 305°.47 5°.6/11.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 59.20	−30 54.5	1.400	2.291	15.7	16.5
6 20	19 54.49	−32 2.8	1.327	2.276	12.0	16.2
6 30	19 46.61	−33 10.7	1.274	2.262	8.1	16.0
7 10	19 36.44	−34 9.7	1.245	2.248	5.7	15.8
7 20	19 25.31	−34 52.1	1.240	2.234	7.2	15.8
7 30	19 14.92	−35 13.5	1.258	2.221	11.1	16.0
8 9	19 6.86	−35 14.1	1.298	2.208	15.2	16.2
8 19	19 2.13	−34 57.2	1.356	2.195	18.9	16.4

523556 2017 XY_{21} 7 13.6 138°.24 2°.4/12.8 17

6 10	19 59.72	−26 44.3	1.777	2.653	13.5	21.4
6 20	19 53.93	−27 12.3	1.710	2.656	10.0	21.2
6 30	19 45.78	−27 40.3	1.666	2.658	6.1	21.0
7 10	19 36.12	−28 3.7	1.648	2.660	2.7	20.8
7 20	19 26.01	−28 19.1	1.656	2.662	4.0	20.9
7 30	19 16.67	−28 24.4	1.691	2.664	7.9	21.1
8 9	19 9.16	−28 19.9	1.750	2.665	11.6	21.4
8 19	19 4.18	−28 7.2	1.830	2.667	14.8	21.6

427598 2003 SM_{178} 7 13.6 304°.19 3°.7/14.8 17

6 10	19 55.94	−12 57.5	1.309	2.188	17.3	21.3
6 20	19 51.88	−12 56.3	1.227	2.170	13.4	21.0
6 30	19 44.97	−13 10.4	1.165	2.152	8.9	20.7
7 10	19 35.99	−13 39.1	1.126	2.135	4.6	20.4
7 20	19 26.10	−14 19.6	1.109	2.118	4.7	20.4
7 30	19 16.77	−15 7.8	1.117	2.101	9.3	20.6
8 9	19 9.42	−15 59.0	1.147	2.085	14.3	20.8
8 19	19 5.04	−16 49.0	1.195	2.069	18.7	21.0

469348 2000 UZ_{18} 7 13.6 303°.66 6°.8/14.5 18

6 10	19 57.76	− 9 3.8	1.588	2.441	16.1	20.4
6 20	19 52.71	− 7 49.3	1.501	2.422	12.9	20.2
6 30	19 45.23	− 6 44.6	1.435	2.403	9.6	19.9
7 10	19 36.02	− 5 53.1	1.393	2.384	7.1	19.7
7 20	19 26.10	− 5 17.3	1.375	2.365	7.3	19.7
7 30	19 16.69	− 4 58.1	1.382	2.346	10.1	19.8
8 9	19 8.95	− 4 54.2	1.412	2.328	13.8	20.0
8 19	19 3.72	− 5 2.9	1.462	2.310	17.3	20.2

401456 2013 CA_{160} 7 13.6 215°.60 3°.6/12.3 18

6 10	19 58.65	−31 58.3	2.313	3.179	11.2	21.2
6 20	19 52.76	−32 23.6	2.240	3.177	8.5	21.0
6 30	19 44.94	−32 44.9	2.192	3.175	5.6	20.9
7 10	19 35.88	−32 58.4	2.170	3.173	3.7	20.7
7 20	19 26.46	−33 1.3	2.175	3.170	4.5	20.8
7 30	19 17.66	−32 52.8	2.208	3.168	7.2	21.0
8 9	19 10.34	−32 33.5	2.267	3.166	10.0	21.1
8 19	19 5.11	−32 5.6	2.348	3.163	12.6	21.3

329890 2005 ER_{274} 7 13.6 61°.80 0°.1/13.6 17

6 10	19 58.97	−19 55.7	1.399	2.282	16.1	20.5
6 20	19 53.77	−20 23.0	1.337	2.286	11.9	20.2
6 30	19 45.86	−20 58.1	1.297	2.291	7.1	20.0
7 10	19 36.18	−21 36.7	1.280	2.295	1.9	19.7
7 20	19 25.95	−22 14.2	1.288	2.299	3.4	19.8
7 30	19 16.61	−22 46.7	1.321	2.304	8.4	20.1
8 9	19 9.38	−23 12.2	1.377	2.308	13.0	20.4
8 19	19 5.05	−23 30.1	1.454	2.313	16.8	20.6

177122 2003 HD_3 7 13.6 88°.02 2°.8/12.4 18

6 10	19 57.72	−28 45.8	2.188	3.059	11.6	20.2
6 20	19 52.05	−29 19.7	2.128	3.070	8.6	20.1
6 30	19 44.49	−29 51.8	2.092	3.080	5.4	19.9
7 10	19 35.75	−30 18.3	2.082	3.090	3.0	19.7
7 20	19 26.72	−30 36.3	2.100	3.101	4.0	19.8
7 30	19 18.35	−30 44.1	2.145	3.111	6.9	20.0
8 9	19 11.49	−30 42.0	2.215	3.121	9.9	20.2
8 19	19 6.71	−30 31.4	2.308	3.131	12.6	20.4

188853 2006 SE_{150} 7 13.6 181°.94 2°.6/14.5 17

6 10	19 59.37	−14 24.5	1.806	2.664	14.2	21.7
6 20	19 53.52	−14 20.6	1.733	2.665	10.8	21.5
6 30	19 45.50	−14 26.0	1.682	2.665	6.9	21.3
7 10	19 36.06	−14 39.5	1.656	2.665	3.3	21.1
7 20	19 26.16	−14 59.1	1.657	2.665	3.6	21.1
7 30	19 16.90	−15 22.5	1.685	2.664	7.3	21.3
8 9	19 9.26	−15 47.4	1.738	2.662	11.1	21.5
8 19	19 3.93	−16 11.9	1.814	2.660	14.5	21.7

48187 2001 HU_{46} 7 13.6 90°.00 1°.0/13.3 18

6 10	19 58.27	−23 20.9	1.887	2.761	13.0	19.1
6 20	19 52.63	−23 39.4	1.825	2.769	9.6	18.9
6 30	19 44.91	−24 0.1	1.785	2.778	5.7	18.7
7 10	19 35.88	−24 19.8	1.771	2.786	1.7	18.5
7 20	19 26.52	−24 35.6	1.784	2.794	3.0	18.6
7 30	19 17.88	−24 45.6	1.825	2.802	7.0	18.9
8 9	19 10.90	−24 49.4	1.890	2.810	10.6	19.1
8 19	19 6.20	−24 47.4	1.977	2.818	13.7	19.3

44881 1999 UJ_{51} 7 13.6 324°.05 1°.0/14.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 54.72	−16 35.7	1.238	2.129	17.2	18.8
6 20	19 51.12	−17 13.8	1.163	2.116	13.0	18.5
6 30	19 44.58	−18 7.2	1.108	2.102	8.0	18.2
7 10	19 35.92	−19 11.8	1.075	2.090	2.5	17.8
7 20	19 26.34	−20 21.7	1.066	2.078	3.6	17.9
7 30	19 17.42	−21 30.1	1.081	2.067	9.2	18.2
8 9	19 10.61	−22 31.6	1.117	2.056	14.4	18.4
8 19	19 6.92	−23 23.1	1.171	2.047	18.9	18.7

255338 2005 WP_{59} 7 13.6 224°.14 9°.4/ 8.0 18

6 10	20 6.92	−29 22.7	1.077	1.971	19.0	19.7
6 20	20 1.55	−32 57.3	1.018	1.968	14.7	19.4
6 30	19 51.67	−36 42.9	0.982	1.965	10.7	19.2
7 10	19 38.04	−40 17.2	0.970	1.961	9.5	19.1
7 20	19 22.38	−43 17.8	0.984	1.957	12.1	19.3
7 30	19 7.34	−45 30.5	1.021	1.953	16.4	19.5
8 9	18 55.51	−46 54.5	1.077	1.948	20.6	19.7
8 19	18 48.59	−47 37.7	1.148	1.944	24.2	20.0

247739 2003 KZ_{34} 7 13.6 331°.12 5°.6/11.2 18

6 10	19 54.87	−27 11.0	1.060	1.970	17.9	19.0
6 20	19 51.94	−28 47.4	0.993	1.955	13.5	18.7
6 30	19 45.43	−30 31.5	0.945	1.940	8.8	18.4
7 10	19 36.21	−32 12.2	0.919	1.927	5.7	18.2
7 20	19 25.78	−33 37.8	0.914	1.914	7.8	18.3
7 30	19 16.15	−34 39.5	0.931	1.903	12.7	18.5
8 9	19 9.22	−35 14.6	0.967	1.893	17.6	18.7
8 19	19 6.20	−35 25.5	1.020	1.884	21.9	19.0

20230 Blanchard 7 13.6 159°.56 2°.0/13.0 18

6 10	20 2.38	−25 28.9	1.601	2.478	14.8	19.4
6 20	19 56.08	−25 52.3	1.536	2.482	10.9	19.2
6 30	19 47.16	−26 16.6	1.493	2.485	6.6	18.9
7 10	19 36.53	−26 37.2	1.475	2.488	2.5	18.7
7 20	19 25.42	−26 50.2	1.483	2.490	3.9	18.8
7 30	19 15.19	−26 53.6	1.517	2.493	8.3	19.1
8 9	19 7.03	−26 47.8	1.575	2.494	12.4	19.3
8 19	19 1.69	−26 34.5	1.655	2.496	15.9	19.5

332854 2010 RN_{71} 7 13.6 226°.58 2°.6/12.9 17

6 10	20 2.69	−26 53.6	1.671	2.546	14.3	21.5
6 20	19 56.41	−27 18.7	1.594	2.538	10.7	21.2
6 30	19 47.45	−27 43.7	1.539	2.530	6.6	21.0
7 10	19 36.64	−28 3.8	1.510	2.522	2.9	20.7
7 20	19 25.19	−28 14.9	1.507	2.512	4.3	20.8
7 30	19 14.48	−28 14.8	1.530	2.503	8.5	21.0
8 9	19 5.76	−28 4.0	1.577	2.493	12.6	21.2
8 19	18 59.86	−27 44.8	1.646	2.482	16.2	21.4

404967 1999 BV_{28} 7 13.6 197°.94 0°.9/13.4 17

6 10	20 3.85	−23 32.1	1.771	2.638	14.0	21.7
6 20	19 57.01	−23 41.4	1.694	2.636	10.4	21.5
6 30	19 47.68	−23 52.5	1.641	2.632	6.2	21.3
7 10	19 36.69	−24 1.8	1.613	2.628	1.8	21.0
7 20	19 25.15	−24 6.4	1.613	2.622	3.2	21.1
7 30	19 14.36	−24 4.8	1.640	2.616	7.7	21.3
8 9	19 5.44	−23 57.0	1.692	2.610	11.8	21.5
8 19	18 59.17	−23 44.2	1.766	2.602	15.3	21.8

99213 2001 HL_{38} 7 13.6 61°.88 1°.7/14.4 18

6 10	19 57.34	−15 0.3	1.686	2.553	14.6	19.1
6 20	19 51.94	−15 29.1	1.638	2.577	10.9	18.9
6 30	19 44.48	−16 8.3	1.612	2.600	6.7	18.7
7 10	19 35.78	−16 54.6	1.612	2.624	2.6	18.5
7 20	19 26.85	−17 44.0	1.638	2.648	3.0	18.6
7 30	19 18.74	−18 32.8	1.690	2.671	7.0	18.9
8 9	19 12.36	−19 17.9	1.767	2.695	10.7	19.2
8 19	19 8.27	−19 57.4	1.867	2.719	13.9	19.4

299758 2006 RZ_{120} 7 13.6 299°.43 0°.5/13.8 18

6 10	19 55.90	−19 29.3	1.964	2.835	12.7	21.2
6 20	19 50.94	−19 37.9	1.886	2.828	9.4	21.0
6 30	19 43.97	−19 51.7	1.830	2.822	5.7	20.7
7 10	19 35.68	−20 8.6	1.801	2.815	1.7	20.4
7 20	19 26.94	−20 26.2	1.798	2.809	2.6	20.5
7 30	19 18.72	−20 42.4	1.822	2.802	6.7	20.7
8 9	19 11.96	−20 55.9	1.871	2.796	10.4	21.0
8 19	19 7.31	−21 5.9	1.942	2.790	13.6	21.2

7356 Casagrande 7 13.6 71°.40 1°.7/13.3 18

6 10	20 3.17	−27 1.4	1.629	2.505	14.6	17.1
6 20	19 56.37	−26 49.1	1.575	2.519	10.8	16.9
6 30	19 47.15	−26 34.2	1.542	2.534	6.5	16.7
7 10	19 36.50	−26 13.8	1.535	2.548	2.3	16.4
7 20	19 25.67	−25 46.6	1.554	2.563	3.6	16.5
7 30	19 15.93	−25 13.0	1.600	2.577	7.8	16.8
8 9	19 8.31	−24 34.8	1.670	2.592	11.7	17.1
8 19	19 3.41	−23 54.4	1.762	2.606	15.0	17.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
17702 Kryštofharant			7 13.6 182°.25		3°.5/15.1 18	
	h m	° ′			°	m
6 10	19 54.68	−10 24.5	2.451	3.290	11.5	18.7
6 20	19 49.58	−10 8.5	2.374	3.291	9.0	18.6
6 30	19 42.97	−10 1.6	2.320	3.291	6.2	18.4
7 10	19 35.39	−10 3.5	2.292	3.291	4.0	18.3
7 20	19 27.51	−10 13.5	2.292	3.290	3.9	18.2
7 30	19 20.06	−10 30.3	2.319	3.290	6.2	18.4
8 9	19 13.72	−10 52.0	2.373	3.289	8.9	18.6
8 19	19 8.99	−11 16.5	2.450	3.288	11.5	18.7
124914 2001 TD_{64}			7 13.6 205°.08		1°.0/13.2 18	
6 10	19 59.58	−22 41.8	2.157	3.022	12.0	20.4
6 20	19 53.57	−23 16.7	2.077	3.017	8.8	20.2
6 30	19 45.53	−23 55.1	2.020	3.011	5.3	20.0
7 10	19 36.13	−24 33.4	1.990	3.005	1.6	19.7
7 20	19 26.22	−25 8.2	1.989	2.998	2.9	19.8
7 30	19 16.80	−25 36.7	2.016	2.990	6.7	20.0
8 9	19 8.80	−25 57.7	2.069	2.982	10.2	20.2
8 19	19 2.91	−26 11.3	2.145	2.973	13.2	20.4
120343 2004 RU_{137}			7 13.6 11°.61		4°.6/14.9 18	
6 10	19 54.88	−11 5.4	1.817	2.674	14.2	19.0
6 20	19 50.13	−10 22.7	1.750	2.676	11.1	18.8
6 30	19 43.44	− 9 50.2	1.704	2.679	7.7	18.7
7 10	19 35.54	− 9 28.9	1.683	2.683	5.1	18.5
7 20	19 27.30	− 9 18.8	1.688	2.687	5.1	18.5
7 30	19 19.69	− 9 19.1	1.719	2.691	7.8	18.7
8 9	19 13.57	− 9 27.7	1.773	2.696	11.0	18.9
8 19	19 9.55	− 9 42.2	1.849	2.701	14.0	19.1
499031 2009 DR_{42}			7 13.6 40°.53		4°.0/12.8 17	
6 10	20 3.14	−29 46.5	1.271	2.161	17.0	20.5
6 20	19 57.20	−30 4.7	1.214	2.165	12.7	20.3
6 30	19 48.05	−30 18.8	1.178	2.169	8.1	20.0
7 10	19 36.84	−30 22.6	1.164	2.173	4.3	19.8
7 20	19 25.14	−30 12.3	1.174	2.178	5.6	19.9
7 30	19 14.69	−29 47.1	1.208	2.183	10.0	20.2
8 9	19 6.90	−29 9.9	1.264	2.188	14.4	20.4
8 19	19 2.53	−28 24.8	1.339	2.193	18.2	20.7
232910 2004 XH_{137}			7 13.6 160°.80		1°.9/13.1 18	
6 10	20 0.46	−26 49.3	1.994	2.864	12.6	20.7
6 20	19 54.24	−26 59.6	1.924	2.866	9.3	20.5
6 30	19 45.90	−27 8.8	1.878	2.869	5.7	20.3
7 10	19 36.22	−27 13.5	1.859	2.871	2.3	20.1
7 20	19 26.18	−27 11.4	1.867	2.873	3.4	20.2
7 30	19 16.87	−27 1.4	1.902	2.875	7.1	20.4
8 9	19 9.24	−26 44.2	1.962	2.876	10.6	20.6
8 19	19 3.90	−26 21.5	2.045	2.878	13.6	20.8
46142 2001 FN_{58}			7 13.6 177°.06		5°.7/16.5 18	
6 10	19 53.47	− 1 16.5	2.910	3.704	11.1	20.1
6 20	19 48.48	− 0 46.6	2.831	3.705	9.2	19.9
6 30	19 42.24	− 0 28.7	2.776	3.706	7.3	19.8
7 10	19 35.21	− 0 23.8	2.746	3.707	6.0	19.7
7 20	19 27.93	− 0 31.7	2.743	3.707	5.8	19.7
7 30	19 20.98	− 0 51.7	2.767	3.707	6.8	19.8
8 9	19 14.93	− 1 21.4	2.817	3.707	8.6	19.9
8 19	19 10.22	− 1 58.3	2.891	3.706	10.5	20.0
438975 2010 NY_{53}			7 13.6 276°.38		4°.7/11.3 18	
6 10	19 58.25	−34 8.5	2.319	3.185	11.2	21.1
6 20	19 52.75	−34 59.3	2.235	3.168	8.7	20.9
6 30	19 45.14	−35 46.4	2.174	3.151	6.2	20.8
7 10	19 36.06	−36 24.7	2.139	3.133	4.7	20.6
7 20	19 26.39	−36 50.2	2.132	3.116	5.7	20.7
7 30	19 17.18	−37 0.7	2.152	3.099	8.1	20.8
8 9	19 9.41	−36 56.5	2.196	3.081	10.9	20.9
8 19	19 3.81	−36 39.5	2.261	3.063	13.5	21.1
117198 2004 RL_{173}			7 13.7 196°.31		5°.0/11.5 18	
6 10	20 1.81	−34 24.8	2.170	3.032	12.0	20.2
6 20	19 55.38	−35 16.7	2.099	3.030	9.2	20.0
6 30	19 46.68	−36 3.6	2.052	3.027	6.6	19.9
7 10	19 36.47	−36 39.9	2.031	3.024	5.0	19.8
7 20	19 25.76	−37 1.7	2.037	3.021	5.9	19.8
7 30	19 15.69	−37 7.0	2.071	3.017	8.4	20.0
8 9	19 7.31	−36 56.9	2.128	3.012	11.3	20.1
8 19	19 1.33	−36 34.2	2.208	3.007	13.8	20.3
506984 2008 SU_{197}			7 13.7 186°.29		2°.2/12.7 17	
6 10	19 59.25	−26 30.3	2.172	3.040	11.8	22.0
6 20	19 53.31	−27 7.2	2.099	3.040	8.7	21.8
6 30	19 45.37	−27 44.5	2.050	3.039	5.3	21.6
7 10	19 36.11	−28 18.2	2.027	3.038	2.5	21.4
7 20	19 26.41	−28 44.9	2.033	3.037	3.6	21.5
7 30	19 17.28	−29 2.4	2.066	3.035	6.9	21.7
8 9	19 9.63	−29 10.3	2.125	3.033	10.2	21.9
8 19	19 4.11	−29 9.7	2.206	3.030	13.1	22.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
22649 1998 OD_{12}			7 13.7 69°.39		4°.0/12.6 18	
	h m	° ′			°	m
6 10	20 2.48	−29 46.4	1.433	2.317	15.7	17.8
6 20	19 56.42	−30 16.5	1.378	2.325	11.8	17.5
6 30	19 47.46	−30 43.3	1.344	2.333	7.5	17.3
7 10	19 36.69	−31 0.6	1.334	2.342	4.2	17.2
7 20	19 25.50	−31 4.4	1.348	2.350	5.5	17.2
7 30	19 15.44	−30 53.3	1.388	2.359	9.4	17.5
8 9	19 7.76	−30 29.4	1.451	2.368	13.4	17.8
8 19	19 3.20	−29 56.1	1.533	2.376	16.9	18.0
80730 2000 CM_{29}			7 13.7 87°.31		0°.8/13.9 18	
6 10	19 59.60	−19 21.1	1.543	2.420	15.2	19.3
6 20	19 54.00	−19 21.7	1.479	2.424	11.3	19.1
6 30	19 45.93	−19 28.4	1.437	2.429	6.9	18.8
7 10	19 36.28	−19 38.8	1.420	2.434	2.1	18.5
7 20	19 26.19	−19 50.1	1.428	2.439	3.1	18.6
7 30	19 16.95	−20 0.3	1.462	2.444	7.8	18.9
8 9	19 9.65	−20 8.1	1.519	2.448	12.1	19.2
8 19	19 5.02	−20 13.0	1.598	2.453	15.7	19.4
18190 Michaelpizer			7 13.7 248°.89		1°.2/14.0 18	
6 10	19 59.17	−18 31.0	1.975	2.838	13.0	18.8
6 20	19 53.43	−18 25.5	1.886	2.824	9.7	18.6
6 30	19 45.54	−18 25.0	1.821	2.809	6.0	18.3
7 10	19 36.20	−18 27.9	1.781	2.794	2.1	18.0
7 20	19 26.28	−18 32.7	1.768	2.778	2.8	18.1
7 30	19 16.84	−18 37.7	1.783	2.762	6.9	18.3
8 9	19 8.88	−18 41.9	1.824	2.746	10.8	18.5
8 19	19 3.11	−18 44.7	1.886	2.729	14.2	18.7
457699 2009 EB_{23}			7 13.7 45°.89		1°.8/14.2 17	
6 10	19 58.81	−17 8.4	1.163	2.053	18.2	20.9
6 20	19 53.82	−17 10.3	1.116	2.067	13.6	20.7
6 30	19 45.95	−17 23.1	1.088	2.081	8.3	20.5
7 10	19 36.29	−17 43.9	1.083	2.096	3.0	20.2
7 20	19 26.27	−18 8.9	1.101	2.112	3.8	20.3
7 30	19 17.42	−18 34.6	1.142	2.128	8.9	20.6
8 9	19 10.98	−18 58.1	1.205	2.144	13.7	20.9
8 19	19 7.65	−19 17.9	1.287	2.161	17.7	21.2
501603 2014 QT_{328}			7 13.7 306°.29		5°.2/12.1 17	
6 10	19 59.70	−29 18.6	1.160	2.060	17.5	21.1
6 20	19 55.40	−30 13.7	1.087	2.043	13.3	20.8
6 30	19 47.48	−31 9.8	1.033	2.026	8.8	20.5
7 10	19 36.86	−31 58.1	1.001	2.009	5.4	20.3
7 20	19 25.08	−32 30.2	0.992	1.993	7.1	20.3
7 30	19 14.15	−32 41.4	1.004	1.977	11.8	20.5
8 9	19 5.91	−32 32.1	1.037	1.962	16.7	20.7
8 19	19 1.51	−32 6.2	1.087	1.948	21.1	21.0
472701 2015 FS_{37}			7 13.7 69°.02		1°.9/12.7 17	
6 10	19 58.29	−22 21.9	1.665	2.544	14.2	21.5
6 20	19 53.01	−23 35.8	1.608	2.555	10.4	21.3
6 30	19 45.35	−24 55.6	1.574	2.567	6.2	21.1
7 10	19 36.15	−26 15.0	1.565	2.579	2.3	20.9
7 20	19 26.46	−27 27.5	1.583	2.590	3.9	21.0
7 30	19 17.51	−28 28.5	1.628	2.602	8.0	21.3
8 9	19 10.39	−29 15.7	1.698	2.614	11.8	21.6
8 19	19 5.81	−29 49.3	1.788	2.626	15.0	21.8
155759 2000 SG_{140}			7 13.7 302°.44		0°.4/13.8 18	R
6 10	19 57.61	−20 29.0	1.576	2.456	14.8	19.9
6 20	19 52.75	−20 29.5	1.493	2.441	11.1	19.6
6 30	19 45.36	−20 35.0	1.433	2.426	6.7	19.3
7 10	19 36.19	−20 43.2	1.396	2.411	1.9	19.0
7 20	19 26.32	−20 51.5	1.385	2.397	3.1	19.0
7 30	19 17.07	−20 57.8	1.400	2.382	8.0	19.3
8 9	19 9.63	−21 1.0	1.438	2.368	12.5	19.5
8 19	19 4.84	−21 0.8	1.496	2.354	16.4	19.7
352398 2007 WA_{63}			7 13.7 348°.72		1°.5/12.9 18	
6 10	19 54.99	−21 42.3	1.695	2.578	13.8	20.1
6 20	19 50.67	−22 48.0	1.624	2.574	10.2	19.9
6 30	19 44.04	−24 1.2	1.576	2.570	6.1	19.6
7 10	19 35.82	−25 16.5	1.553	2.567	2.0	19.3
7 20	19 26.99	−26 27.9	1.556	2.564	3.6	19.4
7 30	19 18.73	−27 30.2	1.585	2.562	7.9	19.7
8 9	19 12.13	−28 20.5	1.639	2.561	11.8	19.9
8 19	19 7.96	−28 58.2	1.714	2.559	15.2	20.2
327695 Yokoono			7 13.7 121°.51		2°.9/14.7 17	
6 10	19 59.37	−13 47.0	1.629	2.492	15.3	22.1
6 20	19 53.66	−13 45.7	1.566	2.500	11.6	21.9
6 30	19 45.67	−13 55.5	1.524	2.508	7.5	21.7
7 10	19 36.22	−14 14.7	1.507	2.516	3.7	21.4
7 20	19 26.37	−14 41.1	1.516	2.524	3.9	21.5
7 30	19 17.29	−15 11.6	1.552	2.531	7.7	21.7
8 9	19 10.00	−15 43.4	1.611	2.539	11.6	22.0
8 19	19 5.18	−16 14.2	1.692	2.545	15.1	22.2

98609 2000 WN_{75} 7 13.7 108°.43 5°.6/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 3.37	−32 20.2	1.438	2.321	15.8	19.7
6 20	19 57.30	−33 16.1	1.381	2.325	12.0	19.5
6 30	19 48.13	−34 7.2	1.344	2.329	8.2	19.3
7 10	19 36.93	−34 45.8	1.331	2.333	5.7	19.1
7 20	19 25.15	−35 6.0	1.343	2.337	6.9	19.2
7 30	19 14.46	−35 5.7	1.380	2.340	10.5	19.4
8 9	19 6.24	−34 47.0	1.438	2.344	14.2	19.6
8 19	19 1.32	−34 14.5	1.516	2.348	17.6	19.9

296370 2009 FS_{39} 7 13.7 93°.65 0°.5/13.5 17

6 10	19 59.48	−19 41.8	1.391	2.274	16.2	20.3
6 20	19 54.27	−20 32.0	1.329	2.278	12.0	20.0
6 30	19 46.29	−21 31.8	1.288	2.282	7.1	19.8
7 10	19 36.44	−22 35.5	1.271	2.286	1.9	19.4
7 20	19 25.98	−23 36.9	1.279	2.290	3.5	19.6
7 30	19 16.36	−24 30.7	1.313	2.294	8.6	19.9
8 9	19 8.86	−25 13.9	1.370	2.298	13.2	20.2
8 19	19 4.31	−25 45.9	1.446	2.302	17.1	20.4

96278 1995 WN_{19} 7 13.7 31°.35 6°.6/10.5 17

6 10	19 58.93	−32 28.1	1.485	2.372	15.1	19.2
6 20	19 54.05	−34 13.0	1.434	2.379	11.6	19.0
6 30	19 46.24	−35 54.8	1.406	2.387	8.3	18.8
7 10	19 36.45	−37 23.9	1.401	2.396	6.6	18.7
7 20	19 26.00	−38 32.3	1.422	2.405	8.0	18.8
7 30	19 16.46	−39 15.7	1.467	2.415	11.1	19.0
8 9	19 9.18	−39 35.0	1.533	2.425	14.4	19.3
8 19	19 5.02	−39 33.8	1.618	2.435	17.3	19.5

168793 2000 SS_{57} 7 13.7 298°.68 1°.1/13.1 18

6 10	19 53.78	−24 39.0	2.701	3.568	9.8	20.2
6 20	19 48.98	−24 56.3	2.620	3.561	7.2	20.0
6 30	19 42.68	−25 14.4	2.563	3.554	4.3	19.8
7 10	19 35.42	−25 31.3	2.533	3.547	1.5	19.6
7 20	19 27.82	−25 44.8	2.532	3.540	2.5	19.6
7 30	19 20.63	−25 53.5	2.559	3.533	5.4	19.8
8 9	19 14.50	−25 57.0	2.612	3.526	8.3	20.0
8 19	19 9.95	−25 55.4	2.689	3.519	10.8	20.2

448042 2008 EA_{159} 7 13.7 6°.58 17°.9/ 3.3 15

6 10	20 7.17	−61 42.0	1.498	2.299	19.3	19.6
6 20	20 2.75	−63 59.5	1.473	2.301	18.4	19.5
6 30	19 52.67	−65 46.3	1.465	2.305	18.0	19.5
7 10	19 38.37	−66 50.9	1.474	2.310	18.0	19.5
7 20	19 22.73	−67 6.9	1.499	2.316	18.6	19.6
7 30	19 9.34	−66 35.4	1.539	2.324	19.6	19.7
8 9	19 0.82	−65 24.5	1.594	2.334	20.7	19.8
8 19	18 58.12	−63 44.4	1.661	2.345	21.8	19.9

326531 2002 OO_{19} 7 13.7 299°.20 6°.3/16.4 18

6 10	19 55.17	− 5 22.4	1.430	2.282	17.6	20.2
6 20	19 51.17	− 5 32.2	1.343	2.263	14.2	19.9
6 30	19 44.57	− 6 5.4	1.275	2.244	10.5	19.6
7 10	19 36.05	− 7 2.8	1.229	2.225	7.2	19.4
7 20	19 26.63	− 8 22.0	1.207	2.206	6.6	19.3
7 30	19 17.62	− 9 57.5	1.210	2.188	9.6	19.4
8 9	19 10.33	−11 41.4	1.236	2.169	13.8	19.6
8 19	19 5.72	−13 26.0	1.282	2.152	17.9	19.8

506853 2007 UT_{128} 7 13.7 334°.91 7°.5/11.7 17

6 10	19 55.32	−33 0.7	0.977	1.890	18.8	20.5
6 20	19 52.66	−33 56.8	0.911	1.871	14.6	20.2
6 30	19 46.05	−34 48.4	0.863	1.854	10.3	19.9
7 10	19 36.54	−35 25.2	0.834	1.837	7.6	19.7
7 20	19 25.83	−35 38.1	0.825	1.822	9.1	19.7
7 30	19 16.21	−35 23.1	0.836	1.809	13.6	19.9
8 9	19 9.66	−34 42.9	0.865	1.797	18.4	20.1
8 19	19 7.34	−33 43.7	0.909	1.787	22.8	20.3

448539 2010 PW_{70} 7 13.7 229°.17 6°.9/ 9.2 18

6 10	20 1.67	−45 3.5	2.875	3.705	10.3	21.7
6 20	19 55.18	−46 8.9	2.803	3.695	8.7	21.6
6 30	19 46.58	−47 4.7	2.755	3.685	7.4	21.5
7 10	19 36.53	−47 46.0	2.732	3.674	6.9	21.4
7 20	19 25.92	−48 8.9	2.737	3.663	7.5	21.4
7 30	19 15.82	−48 12.3	2.766	3.652	8.9	21.5
8 9	19 7.19	−47 57.4	2.820	3.640	10.7	21.6
8 19	19 0.73	−47 27.2	2.894	3.628	12.3	21.7

468799 2012 GH_{2} 7 13.7 44°.49 3°.0/12.6 17

6 10	19 59.26	−24 40.0	1.182	2.079	17.4	20.5
6 20	19 54.31	−25 42.8	1.141	2.097	12.8	20.2
6 30	19 46.32	−26 48.8	1.120	2.116	7.7	20.0
7 10	19 36.45	−27 50.3	1.122	2.135	3.3	19.8
7 20	19 26.20	−28 40.4	1.148	2.155	5.1	20.0
7 30	19 17.20	−29 14.8	1.197	2.175	9.7	20.3
8 9	19 10.74	−29 33.4	1.268	2.196	14.1	20.6
8 19	19 7.53	−29 38.1	1.358	2.217	17.8	20.9

69951 1998 VK_{6} 7 13.7 228°.03 0°.9/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 58.64	−23 43.1	2.369	3.232	11.1	20.1
6 20	19 52.76	−23 55.7	2.283	3.222	8.2	19.9
6 30	19 45.04	−24 9.6	2.220	3.211	4.9	19.7
7 10	19 36.10	−24 22.4	2.185	3.199	1.5	19.4
7 20	19 26.71	−24 31.8	2.179	3.188	2.6	19.5
7 30	19 17.78	−24 36.3	2.200	3.175	6.1	19.7
8 9	19 10.13	−24 35.5	2.249	3.163	9.4	19.9
8 19	19 4.39	−24 29.8	2.320	3.149	12.3	20.1

212771 2007 TZ_{87} 7 13.7 303°.64 2°.2/14.5 18

6 10	19 55.46	−14 54.2	1.827	2.693	13.7	20.8
6 20	19 50.78	−14 59.4	1.748	2.685	10.4	20.6
6 30	19 44.01	−15 14.3	1.690	2.676	6.7	20.4
7 10	19 35.84	−15 37.3	1.658	2.668	3.0	20.1
7 20	19 27.14	−16 6.1	1.652	2.661	3.3	20.1
7 30	19 18.96	−16 38.0	1.672	2.653	7.1	20.4
8 9	19 12.27	−17 10.4	1.717	2.645	10.9	20.6
8 19	19 7.75	−17 41.0	1.783	2.638	14.4	20.8

426130 2012 GW_{32} 7 13.7 345°.86 1°.1/13.9 17

6 10	19 52.61	−18 24.3	1.087	1.991	18.0	20.1
6 20	19 49.80	−18 33.4	1.021	1.980	13.6	19.8
6 30	19 43.92	−18 53.7	0.973	1.970	8.3	19.5
7 10	19 35.89	−19 22.4	0.946	1.961	2.7	19.1
7 20	19 27.05	−19 55.1	0.941	1.953	3.8	19.2
7 30	19 19.06	−20 27.3	0.958	1.948	9.6	19.5
8 9	19 13.40	−20 55.6	0.996	1.943	14.9	19.8
8 19	19 11.03	−21 17.7	1.051	1.940	19.5	20.0

328114 2008 AO_{66} 7 13.7 174°.50 0°.2/13.6 17

6 10	20 0.90	−20 29.4	1.800	2.668	13.8	22.4
6 20	19 54.80	−20 54.1	1.730	2.671	10.2	22.2
6 30	19 46.40	−21 24.3	1.682	2.673	6.1	21.9
7 10	19 36.49	−21 56.4	1.659	2.674	1.7	21.6
7 20	19 26.09	−22 26.8	1.665	2.675	2.9	21.7
7 30	19 16.36	−22 52.7	1.697	2.675	7.3	22.0
8 9	19 8.36	−23 12.7	1.754	2.675	11.2	22.3
8 19	19 2.80	−23 26.5	1.834	2.674	14.6	22.5

151669 2002 YH_{27} 7 13.7 274°.92 0°.4/13.8 18

6 10	19 59.33	−19 59.4	1.670	2.544	14.4	20.8
6 20	19 54.03	−20 7.6	1.580	2.524	10.8	20.5
6 30	19 46.18	−20 21.7	1.511	2.503	6.6	20.2
7 10	19 36.49	−20 39.2	1.468	2.482	1.9	19.8
7 20	19 26.00	−20 56.9	1.450	2.461	3.1	19.9
7 30	19 15.99	−21 12.4	1.459	2.440	7.9	20.1
8 9	19 7.69	−21 24.0	1.491	2.418	12.4	20.3
8 19	19 1.99	−21 31.4	1.545	2.396	16.4	20.5

425605 2010 UG_{54} 7 13.7 278°.22 2°.7/14.3 17

6 10	19 59.31	−16 1.1	1.504	2.376	15.8	21.6
6 20	19 54.15	−15 44.3	1.418	2.359	12.1	21.3
6 30	19 46.30	−15 35.9	1.353	2.341	7.7	21.1
7 10	19 36.53	−15 35.4	1.312	2.323	3.5	20.8
7 20	19 25.95	−15 41.1	1.296	2.305	4.0	20.7
7 30	19 15.92	−15 51.2	1.305	2.286	8.6	21.0
8 9	19 7.74	−16 3.7	1.337	2.268	13.2	21.2
8 19	19 2.32	−16 17.2	1.390	2.249	17.4	21.4

446714 2015 ON_{40} 7 13.7 101°.07 3°.3/12.5 18

6 10	19 58.59	−31 36.9	2.320	3.186	11.2	21.2
6 20	19 52.72	−31 57.6	2.253	3.190	8.4	21.1
6 30	19 44.98	−32 14.1	2.209	3.193	5.5	20.9
7 10	19 36.07	−32 23.2	2.192	3.196	3.5	20.8
7 20	19 26.86	−32 22.3	2.203	3.200	4.3	20.8
7 30	19 18.30	−32 10.6	2.241	3.203	7.0	21.0
8 9	19 11.23	−31 49.2	2.305	3.206	9.8	21.2
8 19	19 6.20	−31 20.0	2.391	3.209	12.3	21.4

387907 2004 XP_{26} 7 13.7 267°.00 2°.8/12.5 18

6 10	19 59.80	−27 3.7	1.990	2.861	12.5	21.6
6 20	19 54.19	−27 48.9	1.897	2.839	9.4	21.4
6 30	19 46.20	−28 35.7	1.827	2.816	5.9	21.1
7 10	19 36.50	−29 19.3	1.783	2.793	3.0	20.9
7 20	19 26.01	−29 55.1	1.767	2.770	4.3	20.9
7 30	19 15.92	−30 19.8	1.778	2.746	8.0	21.1
8 9	19 7.35	−30 32.4	1.813	2.721	11.7	21.3
8 19	19 1.17	−30 33.9	1.871	2.696	15.0	21.4

482178 2010 UV_{10} 7 13.7 227°.60 1°.4/14.4 17

6 10	19 54.67	−16 13.5	2.946	3.794	9.6	23.0
6 20	19 49.50	−16 15.8	2.854	3.783	7.2	22.8
6 30	19 42.96	−16 22.9	2.788	3.772	4.5	22.6
7 10	19 35.53	−16 34.0	2.749	3.760	1.9	22.4
7 20	19 27.77	−16 47.7	2.739	3.748	2.2	22.4
7 30	19 20.32	−17 2.8	2.758	3.735	4.9	22.6
8 9	19 13.79	−17 18.1	2.805	3.722	7.7	22.7
8 19	19 8.65	−17 32.6	2.876	3.709	10.1	22.9

165234 2000 SP_{108} 7 13.7 266°.83 5°.0/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 58.42	− 9 56.5	1.537	2.394	16.3	20.1
6 20	19 53.41	− 9 40.5	1.451	2.377	12.9	19.8
6 30	19 45.84	− 9 39.2	1.385	2.361	9.0	19.6
7 10	19 36.42	− 9 53.2	1.342	2.343	5.7	19.3
7 20	19 26.19	−10 21.3	1.324	2.326	5.6	19.3
7 30	19 16.44	−11 0.8	1.331	2.308	9.1	19.4
8 9	19 8.41	−11 47.5	1.362	2.290	13.3	19.6
8 19	19 3.00	−12 37.4	1.413	2.272	17.2	19.8

96990 1999 TQ_{215} 7 13.7 200°.47 0°.1/13.7 18 R

6 10	19 58.01	−19 54.3	2.387	3.246	11.2	20.5
6 20	19 52.24	−20 15.2	2.305	3.242	8.3	20.3
6 30	19 44.72	−20 40.5	2.248	3.237	5.0	20.1
7 10	19 36.05	−21 7.9	2.218	3.232	1.4	19.9
7 20	19 26.95	−21 34.7	2.216	3.227	2.3	19.9
7 30	19 18.30	−21 59.0	2.243	3.221	5.9	20.2
8 9	19 10.88	−22 19.3	2.297	3.214	9.1	20.4
8 19	19 5.28	−22 35.2	2.375	3.207	12.0	20.5

388591 2007 RO_{138} 7 13.7 311°.64 6°.1/16.7 17

6 10	19 54.10	− 4 13.6	1.697	2.535	15.9	20.3
6 20	19 49.93	− 4 24.1	1.614	2.524	12.9	20.1
6 30	19 43.61	− 4 55.3	1.552	2.513	9.6	19.9
7 10	19 35.79	− 5 47.4	1.513	2.503	6.8	19.7
7 20	19 27.35	− 6 58.2	1.499	2.493	6.3	19.6
7 30	19 19.36	− 8 23.1	1.511	2.483	8.6	19.8
8 9	19 12.84	− 9 55.8	1.546	2.473	12.0	19.9
8 19	19 8.56	−11 30.0	1.604	2.464	15.4	20.1

228677 2002 JW_{118} 7 13.7 140°.71 0°.5/13.9 18

6 10	19 58.14	−17 1.7	2.004	2.865	12.9	20.1
6 20	19 52.56	−17 52.5	1.936	2.873	9.6	19.9
6 30	19 44.99	−18 52.2	1.891	2.880	5.8	19.6
7 10	19 36.13	−19 57.0	1.872	2.887	1.7	19.4
7 20	19 26.82	−21 2.3	1.882	2.893	2.6	19.5
7 30	19 18.07	−22 4.1	1.920	2.899	6.5	19.7
8 9	19 10.77	−22 59.3	1.984	2.905	10.2	20.0
8 19	19 5.58	−23 46.5	2.072	2.910	13.3	20.2

392820 2012 TE_{293} 7 13.7 138°.28 2°.5/12.6 17

6 10	19 59.69	−29 22.2	2.682	3.540	10.1	22.5
6 20	19 53.24	−29 48.9	2.619	3.554	7.5	22.4
6 30	19 45.18	−30 13.1	2.582	3.567	4.7	22.2
7 10	19 36.14	−30 31.9	2.573	3.580	2.6	22.1
7 20	19 26.86	−30 42.9	2.592	3.592	3.4	22.2
7 30	19 18.17	−30 45.1	2.641	3.603	6.0	22.4
8 9	19 10.77	−30 38.9	2.716	3.614	8.6	22.5
8 19	19 5.17	−30 25.6	2.815	3.625	10.9	22.7

352514 2008 CL_{95} 7 13.7 138°.47 1°.1/14.3 17

6 10	19 55.44	−15 59.7	2.497	3.350	10.9	21.4
6 20	19 50.20	−16 27.0	2.426	3.358	8.1	21.2
6 30	19 43.42	−17 1.2	2.380	3.366	5.0	21.0
7 10	19 35.67	−17 40.1	2.361	3.373	1.9	20.8
7 20	19 27.62	−18 21.2	2.371	3.381	2.3	20.9
7 30	19 20.02	−19 2.0	2.409	3.388	5.4	21.1
8 9	19 13.55	−19 40.5	2.474	3.394	8.4	21.3
8 19	19 8.72	−20 15.2	2.564	3.400	11.1	21.5

387083 2012 TL_{97} 7 13.7 239°.11 3°.0/12.6 17

6 10	19 59.53	−28 31.0	1.950	2.823	12.7	21.1
6 20	19 53.82	−29 2.6	1.875	2.818	9.5	20.8
6 30	19 45.85	−29 32.9	1.824	2.813	6.0	20.6
7 10	19 36.38	−29 57.7	1.798	2.807	3.2	20.4
7 20	19 26.41	−30 13.2	1.800	2.802	4.3	20.5
7 30	19 17.08	−30 17.5	1.828	2.796	7.7	20.7
8 9	19 9.42	−30 10.9	1.881	2.791	11.2	20.9
8 19	19 4.14	−29 55.2	1.956	2.785	14.3	21.1

497569 2006 DH_{176} 7 13.7 273°.96 17°.1/22.5 17

6 10	19 57.14	+14 8.9	1.194	1.964	24.9	21.4
6 20	19 53.05	+14 49.2	1.119	1.952	22.7	21.2
6 30	19 45.92	+14 47.0	1.057	1.939	20.4	21.0
7 10	19 36.51	+13 53.2	1.011	1.926	18.3	20.8
7 20	19 26.05	+12 3.6	0.982	1.913	17.1	20.7
7 30	19 16.12	+ 9 22.0	0.974	1.900	17.6	20.7
8 9	19 8.27	+ 6 1.2	0.985	1.887	19.5	20.7
8 19	19 3.60	+ 2 18.9	1.015	1.874	22.4	20.9

511304 2014 DU_{83} 7 13.7 212°.34 1°.3/14.3 17

6 10	19 56.89	−16 17.5	2.218	3.075	12.0	21.9
6 20	19 51.52	−16 34.8	2.136	3.070	9.0	21.7
6 30	19 44.34	−16 59.5	2.078	3.065	5.6	21.5
7 10	19 35.96	−17 29.7	2.046	3.059	2.1	21.2
7 20	19 27.14	−18 2.9	2.043	3.053	2.6	21.3
7 30	19 18.75	−18 36.5	2.067	3.046	6.1	21.5
8 9	19 11.63	−19 8.5	2.118	3.039	9.6	21.7
8 19	19 6.39	−19 37.3	2.191	3.032	12.6	21.9

181893 1999 RC_{148} 7 13.7 297°.30 2°.4/14.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 58.08	−16 19.5	1.393	2.272	16.4	20.6
6 20	19 53.60	−16 10.9	1.299	2.244	12.6	20.3
6 30	19 46.21	−16 12.2	1.226	2.216	8.1	19.9
7 10	19 36.60	−16 22.3	1.175	2.188	3.4	19.6
7 20	19 25.90	−16 39.1	1.149	2.159	4.0	19.5
7 30	19 15.61	−17 0.0	1.147	2.131	9.2	19.8
8 9	19 7.20	−17 22.2	1.167	2.103	14.3	20.0
8 19	19 1.76	−17 43.7	1.207	2.075	18.9	20.2

61662 2000 QQ_{115} 7 13.7 295°.65 1°.8/14.2 18

6 10	19 57.48	−17 24.5	1.613	2.488	14.8	18.9
6 20	19 52.64	−17 16.2	1.528	2.471	11.2	18.7
6 30	19 45.33	−17 15.2	1.464	2.454	7.0	18.4
7 10	19 36.29	−17 20.1	1.424	2.437	2.7	18.1
7 20	19 26.54	−17 29.2	1.410	2.420	3.4	18.1
7 30	19 17.32	−17 40.4	1.421	2.403	7.9	18.3
8 9	19 9.82	−17 51.8	1.456	2.387	12.4	18.5
8 19	19 4.87	−18 2.4	1.512	2.371	16.2	18.7

475437 2006 QS_{170} 7 13.7 283°.56 6°.2/11.8 18

6 10	20 3.22	−38 31.1	2.009	2.869	12.9	21.0
6 20	19 56.76	−39 1.0	1.928	2.853	10.3	20.8
6 30	19 47.70	−39 21.5	1.870	2.837	7.8	20.6
7 10	19 36.91	−39 27.0	1.836	2.822	6.3	20.5
7 20	19 25.55	−39 13.7	1.829	2.806	7.1	20.5
7 30	19 14.95	−38 40.7	1.847	2.790	9.5	20.6
8 9	19 6.30	−37 50.6	1.889	2.774	12.4	20.7
8 19	19 0.38	−36 48.0	1.953	2.758	15.2	20.9

383599 2007 HH_{20} 7 13.7 245°.05 2°.9/12.6 17

6 10	19 59.65	−27 9.5	1.752	2.630	13.7	20.7
6 20	19 54.12	−27 49.6	1.681	2.626	10.2	20.5
6 30	19 46.13	−28 30.1	1.632	2.622	6.3	20.2
7 10	19 36.49	−29 6.2	1.608	2.618	3.1	20.0
7 20	19 26.27	−29 33.1	1.610	2.614	4.4	20.1
7 30	19 16.74	−29 48.4	1.639	2.610	8.2	20.3
8 9	19 9.04	−29 51.7	1.692	2.606	12.0	20.5
8 19	19 3.93	−29 44.8	1.766	2.601	15.3	20.8

335128 2004 TO_{293} 7 13.7 111°.67 4°.7/15.3 17

6 10	19 57.51	− 9 30.7	1.854	2.700	14.4	20.8
6 20	19 52.08	− 9 5.1	1.788	2.707	11.3	20.6
6 30	19 44.69	− 8 51.8	1.743	2.714	8.0	20.4
7 10	19 36.06	− 8 51.0	1.723	2.721	5.2	20.3
7 20	19 27.08	− 9 1.9	1.730	2.727	5.1	20.3
7 30	19 18.74	− 9 22.6	1.762	2.734	7.7	20.5
8 9	19 11.91	− 9 50.2	1.820	2.740	10.9	20.7
8 19	19 7.20	−10 21.9	1.899	2.746	13.9	20.9

75168 1999 VF_{129} 7 13.7 96°.24 0°.9/13.9 17

6 10	20 2.21	−19 10.8	1.564	2.435	15.3	19.5
6 20	19 55.77	−19 11.0	1.511	2.453	11.4	19.3
6 30	19 46.93	−19 17.1	1.480	2.471	6.8	19.1
7 10	19 36.66	−19 26.6	1.474	2.489	2.1	18.9
7 20	19 26.13	−19 36.7	1.495	2.506	3.1	19.0
7 30	19 16.58	−19 45.7	1.541	2.522	7.6	19.3
8 9	19 9.05	−19 52.5	1.612	2.539	11.7	19.6
8 19	19 4.18	−19 56.6	1.705	2.555	15.1	19.8

1841 Masaryk 7 13.7 112°.88 0°.9/13.2 18 R

6 10	19 54.98	−23 53.3	2.711	3.575	9.8	16.4
6 20	19 49.79	−24 14.5	2.643	3.583	7.2	16.2
6 30	19 43.16	−24 36.9	2.600	3.591	4.3	16.0
7 10	19 35.62	−24 58.3	2.585	3.599	1.4	15.8
7 20	19 27.84	−25 16.5	2.599	3.607	2.3	15.9
7 30	19 20.52	−25 30.0	2.641	3.615	5.3	16.1
8 9	19 14.31	−25 38.4	2.709	3.623	8.1	16.3
8 19	19 9.68	−25 41.6	2.802	3.630	10.5	16.5

79594 1998 RA_{31} 7 13.7 244°.29 2°.2/14.4 18

6 10	19 59.24	−15 50.0	1.760	2.623	14.3	19.7
6 20	19 53.72	−15 46.7	1.676	2.612	10.8	19.5
6 30	19 45.88	−15 51.8	1.614	2.601	6.9	19.2
7 10	19 36.45	−16 4.0	1.578	2.589	3.0	19.0
7 20	19 26.40	−16 21.3	1.568	2.577	3.4	19.0
7 30	19 16.87	−16 41.4	1.584	2.564	7.5	19.2
8 9	19 8.96	−17 2.1	1.625	2.551	11.6	19.4
8 19	19 3.44	−17 22.0	1.688	2.538	15.3	19.6

245114 2004 PJ_{114} 7 13.7 288°.64 4°.5/12.0 18

6 10	20 0.39	−30 33.6	1.681	2.560	14.1	20.5
6 20	19 55.10	−31 21.6	1.592	2.537	10.7	20.2
6 30	19 46.99	−32 8.7	1.527	2.513	7.2	19.9
7 10	19 36.82	−32 48.4	1.485	2.490	4.6	19.7
7 20	19 25.71	−33 14.9	1.469	2.466	5.9	19.8
7 30	19 15.14	−33 24.8	1.479	2.443	9.6	19.9
8 9	19 6.48	−33 18.1	1.512	2.419	13.6	20.1
8 19	19 0.72	−32 57.6	1.564	2.396	17.1	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
505732 2015 BD_5			7 13.7 108.°56		3.°5/15.2 17	
	h m	° ′			°	m
6 10	19 58.47	−11 9.8	1.695	2.550	15.1	21.4
6 20	19 52.95	−11 21.0	1.633	2.561	11.6	21.2
6 30	19 45.28	−11 45.9	1.594	2.573	7.7	21.0
7 10	19 36.25	−12 22.7	1.578	2.584	4.2	20.8
7 20	19 26.83	−13 8.3	1.589	2.595	4.1	20.9
7 30	19 18.14	−13 59.1	1.627	2.606	7.5	21.1
8 9	19 11.13	−14 50.9	1.689	2.616	11.2	21.3
8 19	19 6.44	−15 40.7	1.774	2.626	14.5	21.6
443551 2014 KZ_{14}			7 13.7 20.°90		2.°3/14.9 18	
6 10	19 54.07	−12 55.7	1.972	2.831	13.1	20.7
6 20	19 49.58	−13 22.2	1.901	2.834	10.0	20.5
6 30	19 43.24	−14 0.2	1.853	2.836	6.4	20.3
7 10	19 35.70	−14 47.5	1.830	2.839	3.1	20.1
7 20	19 27.76	−15 40.9	1.834	2.843	3.1	20.1
7 30	19 20.33	−16 36.9	1.866	2.846	6.5	20.3
8 9	19 14.25	−17 31.8	1.922	2.850	10.0	20.5
8 19	19 10.14	−18 23.1	2.002	2.855	13.1	20.8
385834 2006 HH_{43}			7 13.7 171.°27		5.°9/10.9 17	
6 10	20 2.47	−36 52.9	2.187	3.045	12.1	21.5
6 20	19 55.98	−37 57.3	2.123	3.048	9.5	21.4
6 30	19 47.16	−38 55.1	2.082	3.050	7.1	21.2
7 10	19 36.81	−39 40.3	2.068	3.052	5.9	21.2
7 20	19 25.95	−40 8.3	2.081	3.053	6.7	21.2
7 30	19 15.77	−40 17.5	2.121	3.054	9.0	21.4
8 9	19 7.34	−40 9.0	2.184	3.055	11.5	21.5
8 19	19 1.36	−39 46.3	2.269	3.055	13.9	21.7
307063 2002 AE_1			7 13.7 248.°09		6.°1/15.6 18	
6 10	19 57.60	− 6 8.2	1.921	2.752	14.6	20.3
6 20	19 52.31	− 5 32.8	1.834	2.740	11.8	20.1
6 30	19 44.97	− 5 10.9	1.768	2.727	8.9	19.9
7 10	19 36.22	− 5 4.2	1.727	2.713	6.6	19.8
7 20	19 26.90	− 5 12.7	1.712	2.699	6.4	19.7
7 30	19 18.01	− 5 35.3	1.723	2.685	8.6	19.8
8 9	19 10.50	− 6 8.9	1.758	2.671	11.7	20.0
8 19	19 5.08	− 6 50.0	1.815	2.656	14.8	20.1
506757 2006 WB_{18}			7 13.7 243.°24		1.°6/13.2 17	
6 10	20 1.37	−24 25.2	1.802	2.674	13.6	23.2
6 20	19 55.42	−24 49.7	1.717	2.660	10.1	23.0
6 30	19 46.98	−25 16.6	1.655	2.646	6.1	22.7
7 10	19 36.80	−25 41.8	1.618	2.632	2.1	22.4
7 20	19 25.92	−26 1.5	1.609	2.617	3.5	22.5
7 30	19 15.60	−26 13.0	1.626	2.601	7.8	22.7
8 9	19 7.01	−26 15.9	1.668	2.585	11.9	22.9
8 19	19 0.98	−26 11.2	1.731	2.569	15.5	23.1
137359 1999 TS_{113}			7 13.7 216.°11		3.°4/12.7 18	R
6 10	20 3.30	−29 4.1	1.730	2.603	14.0	20.0
6 20	19 56.91	−29 33.9	1.656	2.598	10.5	19.7
6 30	19 47.86	−30 1.8	1.604	2.592	6.7	19.5
7 10	19 37.03	−30 22.4	1.577	2.586	3.6	19.3
7 20	19 25.60	−30 31.6	1.577	2.579	4.8	19.4
7 30	19 14.93	−30 27.7	1.604	2.572	8.6	19.6
8 9	19 6.25	−30 11.4	1.654	2.565	12.4	19.8
8 19	19 0.36	−29 45.6	1.726	2.557	15.8	20.0
160817 2000 WK_{72}			7 13.7 113.°07		0.°9/13.8 18	
6 10	20 21.16	−30 11.5	1.042	1.919	20.9	18.2
6 20	20 10.82	−28 30.3	0.979	1.924	15.7	17.9
6 30	19 56.28	−26 31.9	0.937	1.929	9.6	17.6
7 10	19 39.27	−24 15.9	0.919	1.933	2.8	17.2
7 20	19 22.13	−21 48.2	0.927	1.938	4.4	17.4
7 30	19 7.21	−19 20.1	0.962	1.943	11.0	17.7
8 9	18 56.17	−17 2.9	1.020	1.947	16.7	18.1
8 19	18 49.63	−15 3.6	1.097	1.951	21.4	18.4
198345 2004 VM_2			7 13.7 33.°12		0.°6/13.9 17	
6 10	19 58.57	−20 4.2	1.609	2.486	14.7	20.1
6 20	19 53.25	−20 0.7	1.543	2.489	10.9	19.9
6 30	19 45.57	−20 2.2	1.500	2.492	6.6	19.7
7 10	19 36.38	−20 6.5	1.481	2.495	2.0	19.4
7 20	19 26.76	−20 11.3	1.487	2.499	3.0	19.5
7 30	19 17.93	−20 14.8	1.520	2.502	7.5	19.7
8 9	19 10.94	−20 16.2	1.577	2.506	11.7	20.0
8 19	19 6.49	−20 15.3	1.654	2.510	15.2	20.2
371491 2006 TW_{92}			7 13.7 245.°55		1.°3/14.2 17	
6 10	19 59.64	−17 23.8	1.761	2.627	14.2	22.3
6 20	19 54.10	−17 33.8	1.675	2.614	10.7	22.1
6 30	19 46.18	−17 51.9	1.611	2.600	6.6	21.8
7 10	19 36.59	−18 15.8	1.573	2.586	2.3	21.5
7 20	19 26.32	−18 42.7	1.561	2.572	3.1	21.5
7 30	19 16.55	−19 9.7	1.576	2.557	7.5	21.8
8 9	19 8.40	−19 34.6	1.616	2.541	11.7	22.0
8 19	19 2.69	−19 56.2	1.677	2.526	15.4	22.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
504719 2009 UE_{20}			7 13.7 174.°72		1.°9/14.3 17	
	h m	° ′			°	m
6 10	19 59.99	−16 57.9	1.841	2.703	13.8	21.9
6 20	19 54.04	−16 45.8	1.769	2.704	10.4	21.7
6 30	19 45.95	−16 40.2	1.719	2.706	6.5	21.4
7 10	19 36.48	−16 39.8	1.695	2.707	2.7	21.2
7 20	19 26.59	−16 43.1	1.698	2.707	3.2	21.2
7 30	19 17.37	−16 48.5	1.728	2.707	7.1	21.5
8 9	19 9.78	−16 54.8	1.783	2.707	10.9	21.7
8 19	19 4.47	−17 1.1	1.861	2.707	14.2	21.9
217580 2008 CK_8			7 13.7 351.°93		0.°1/13.7 17	
6 10	19 54.28	−21 15.4	1.076	1.982	18.0	19.6
6 20	19 51.09	−21 19.4	1.014	1.975	13.5	19.3
6 30	19 44.74	−21 30.1	0.971	1.968	8.1	19.0
7 10	19 36.23	−21 44.2	0.948	1.963	2.2	18.6
7 20	19 26.99	−21 57.7	0.948	1.960	3.8	18.7
7 30	19 18.72	−22 7.5	0.969	1.958	9.6	19.0
8 9	19 12.91	−22 12.1	1.011	1.957	14.9	19.3
8 19	19 10.44	−22 11.1	1.071	1.958	19.4	19.6
380900 2006 DB_{121}			7 13.7 137.°16		7.°5/11.5 18	
6 10	20 6.67	−41 31.0	1.957	2.808	13.6	20.9
6 20	19 59.26	−42 16.0	1.900	2.814	11.0	20.7
6 30	19 49.14	−42 48.9	1.865	2.820	8.7	20.6
7 10	19 37.35	−43 3.2	1.855	2.827	7.5	20.5
7 20	19 25.20	−42 55.1	1.870	2.832	8.2	20.6
7 30	19 14.13	−42 24.6	1.911	2.838	10.2	20.7
8 9	19 5.31	−41 35.3	1.976	2.843	12.7	20.9
8 19	18 59.43	−40 32.7	2.061	2.848	15.1	21.1
211823 2004 EM_{22}			7 13.7 211.°22		3.°8/15.5 18	
6 10	19 55.38	− 9 2.9	2.323	3.159	12.2	20.8
6 20	19 50.33	− 9 4.3	2.241	3.155	9.6	20.6
6 30	19 43.63	− 9 17.0	2.181	3.150	6.7	20.4
7 10	19 35.85	− 9 40.6	2.147	3.146	4.3	20.2
7 20	19 27.67	−10 13.6	2.141	3.140	4.1	20.2
7 30	19 19.89	−10 53.7	2.163	3.135	6.4	20.3
8 9	19 13.25	−11 38.1	2.210	3.129	9.4	20.5
8 19	19 8.32	−12 23.9	2.282	3.123	12.1	20.7
457600 2009 BS_{35}			7 13.7 81.°44		4.°0/12.8 17	
6 10	20 4.37	−29 57.4	1.335	2.220	16.6	20.8
6 20	19 58.12	−30 18.9	1.276	2.224	12.5	20.6
6 30	19 48.72	−30 36.3	1.238	2.229	8.0	20.4
7 10	19 37.28	−30 43.5	1.224	2.233	4.3	20.2
7 20	19 25.35	−30 36.3	1.234	2.237	5.6	20.3
7 30	19 14.61	−30 13.9	1.268	2.241	9.8	20.5
8 9	19 6.47	−29 39.0	1.325	2.245	14.1	20.8
8 19	19 1.69	−28 55.8	1.401	2.250	17.9	21.0
428235 2006 XE_{11}			7 13.7 217.°07		0.°8/13.4 17	
6 10	20 1.07	−22 43.0	1.882	2.751	13.3	22.7
6 20	19 55.01	−23 3.4	1.802	2.744	9.9	22.5
6 30	19 46.65	−23 27.1	1.745	2.737	5.9	22.3
7 10	19 36.73	−23 50.6	1.714	2.729	1.7	22.0
7 20	19 26.22	−24 10.6	1.710	2.720	3.0	22.0
7 30	19 16.31	−24 24.8	1.734	2.711	7.3	22.3
8 9	19 8.04	−24 32.2	1.783	2.701	11.2	22.5
8 19	19 2.17	−24 33.4	1.853	2.691	14.6	22.7
221324 2005 VC_{102}			7 13.7 123.°53		6.°4/11.4 18	
6 10	20 6.36	−38 57.3	2.082	2.935	12.8	19.7
6 20	19 58.78	−39 50.5	2.032	2.951	10.2	19.5
6 30	19 48.76	−40 33.8	2.005	2.967	7.7	19.4
7 10	19 37.25	−41 1.2	2.004	2.983	6.4	19.4
7 20	19 25.45	−41 9.2	2.030	2.998	7.2	19.4
7 30	19 14.63	−40 57.0	2.082	3.013	9.3	19.6
8 9	19 5.87	−40 27.6	2.158	3.026	11.7	19.8
8 19	18 59.80	−39 45.4	2.255	3.040	14.0	20.0
199615 2006 FD_{41}			7 13.7 58.°60		7.°9/10.9 17	
6 10	20 3.19	−39 26.6	1.677	2.544	14.7	19.9
6 20	19 57.02	−40 34.9	1.629	2.555	11.7	19.7
6 30	19 47.96	−41 32.2	1.603	2.567	9.1	19.6
7 10	19 37.08	−42 10.7	1.600	2.578	7.9	19.5
7 20	19 25.76	−42 25.6	1.623	2.590	8.7	19.6
7 30	19 15.55	−42 15.9	1.669	2.601	11.1	19.8
8 9	19 7.71	−41 44.9	1.737	2.613	13.8	20.0
8 19	19 2.97	−40 58.2	1.825	2.625	16.3	20.2
62120 2000 RL_{102}			7 13.7 210.°41		7.°7/16.2 18	
6 10	19 57.44	− 1 22.6	2.050	2.857	14.6	19.3
6 20	19 52.01	− 0 31.8	1.971	2.853	12.2	19.1
6 30	19 44.71	+ 0 3.4	1.914	2.848	9.8	18.9
7 10	19 36.18	+ 0 20.7	1.880	2.844	8.0	18.8
7 20	19 27.20	+ 0 19.2	1.872	2.838	7.8	18.8
7 30	19 18.68	− 0 0.2	1.889	2.833	9.3	18.9
8 9	19 11.47	− 0 34.4	1.931	2.827	11.7	19.0
8 19	19 6.19	− 1 19.4	1.995	2.820	14.2	19.2

114519 2003 BZ_{10} 7 13.7 111°.89 2°.3/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 55.19	−11 55.9	2.177	3.026	12.4	19.9
6 20	19 50.28	−12 31.4	2.104	3.030	9.5	19.7
6 30	19 43.64	−13 18.4	2.054	3.035	6.2	19.6
7 10	19 35.87	−14 14.7	2.031	3.039	3.0	19.4
7 20	19 27.72	−15 17.0	2.035	3.043	3.0	19.4
7 30	19 20.04	−16 21.6	2.068	3.047	6.1	19.6
8 9	19 13.59	−17 24.8	2.127	3.051	9.4	19.8
8 19	19 8.96	−18 24.0	2.210	3.055	12.3	20.0

441820 2009 OD_{10} 7 13.7 324°.43 3°.0/13.2 18

6 10	20 1.66	−31 32.6	2.006	2.874	12.6	20.2
6 20	19 55.31	−31 14.9	1.924	2.863	9.5	19.9
6 30	19 46.73	−30 50.5	1.865	2.852	6.1	19.7
7 10	19 36.72	−30 16.6	1.832	2.841	3.2	19.5
7 20	19 26.33	−29 31.9	1.827	2.830	4.1	19.5
7 30	19 16.71	−28 37.3	1.849	2.820	7.4	19.7
8 9	19 8.84	−27 35.3	1.897	2.811	10.9	19.9
8 19	19 3.38	−26 29.3	1.968	2.802	14.0	20.1

505862 2015 DT_{41} 7 13.7 42°.98 1°.7/14.6 17

6 10	19 56.48	−14 0.2	1.506	2.379	15.8	20.9
6 20	19 51.85	−14 47.7	1.446	2.387	11.9	20.7
6 30	19 44.82	−15 49.6	1.406	2.395	7.4	20.5
7 10	19 36.23	−17 2.0	1.390	2.403	2.9	20.2
7 20	19 27.14	−18 19.1	1.401	2.412	3.2	20.3
7 30	19 18.78	−19 35.0	1.437	2.421	7.7	20.6
8 9	19 12.24	−20 44.9	1.497	2.430	12.0	20.8
8 19	19 8.24	−21 45.9	1.579	2.439	15.6	21.1

93747 2000 VG_{58} 7 13.7 185°.90 1°.4/13.2 18

6 10	20 0.24	−25 5.9	2.363	3.225	11.2	20.9
6 20	19 53.95	−25 27.2	2.286	3.224	8.3	20.7
6 30	19 45.81	−25 49.1	2.234	3.224	5.0	20.5
7 10	19 36.48	−26 8.6	2.209	3.222	1.8	20.3
7 20	19 26.76	−26 23.0	2.213	3.221	2.9	20.4
7 30	19 17.57	−26 30.8	2.246	3.218	6.2	20.6
8 9	19 9.75	−26 31.7	2.305	3.215	9.4	20.8
8 19	19 3.88	−26 26.5	2.387	3.211	12.2	21.0

125643 2001 XV_{64} 7 13.7 242°.49 1°.4/14.2 18

6 10	19 58.75	−17 38.1	1.853	2.718	13.6	20.4
6 20	19 53.28	−17 39.0	1.771	2.710	10.2	20.2
6 30	19 45.61	−17 46.5	1.712	2.700	6.3	19.9
7 10	19 36.46	−17 59.0	1.678	2.691	2.3	19.6
7 20	19 26.75	−18 14.3	1.671	2.681	2.9	19.7
7 30	19 17.59	−18 30.2	1.691	2.671	7.1	19.9
8 9	19 9.97	−18 45.1	1.736	2.661	11.1	20.1
8 19	19 4.63	−18 58.1	1.803	2.651	14.5	20.3

511631 2015 BU_{102} 7 13.7 180°.90 0°.7/13.9 17

6 10	20 0.10	−18 42.6	1.896	2.759	13.4	22.8
6 20	19 54.15	−18 55.8	1.822	2.760	10.0	22.6
6 30	19 46.07	−19 15.2	1.772	2.761	6.1	22.3
7 10	19 36.57	−19 38.2	1.747	2.761	1.9	22.0
7 20	19 26.61	−20 2.0	1.750	2.761	2.7	22.1
7 30	19 17.27	−20 24.1	1.780	2.760	6.9	22.4
8 9	19 9.52	−20 43.0	1.836	2.758	10.7	22.6
8 19	19 4.04	−20 58.0	1.914	2.756	14.0	22.8

440750 2006 DP_{32} 7 13.7 166°.30 5°.3/16.4 18

6 10	19 56.75	− 4 30.9	2.234	3.052	13.2	21.7
6 20	19 51.33	− 4 28.5	2.159	3.056	10.7	21.6
6 30	19 44.23	− 4 40.7	2.107	3.060	8.0	21.4
7 10	19 36.05	− 5 7.7	2.079	3.063	5.8	21.3
7 20	19 27.51	− 5 48.0	2.079	3.066	5.4	21.3
7 30	19 19.43	− 6 39.0	2.106	3.069	7.3	21.4
8 9	19 12.56	− 7 36.9	2.159	3.070	9.9	21.5
8 19	19 7.48	− 8 38.1	2.235	3.072	12.5	21.7

501839 2014 WP_{137} 7 13.7 128°.01 0°.5/13.9 17

6 10	20 1.38	−19 27.4	1.632	2.502	14.8	22.1
6 20	19 55.28	−19 41.8	1.570	2.512	11.0	21.9
6 30	19 46.78	−20 2.5	1.530	2.521	6.6	21.6
7 10	19 36.77	−20 26.2	1.516	2.530	1.9	21.4
7 20	19 26.34	−20 49.6	1.528	2.539	3.0	21.4
7 30	19 16.74	−21 10.2	1.566	2.547	7.5	21.7
8 9	19 9.05	−21 26.5	1.629	2.555	11.6	22.0
8 19	19 3.95	−21 38.1	1.714	2.562	15.1	22.3

359953 2012 BS_{31} 7 13.7 311°.44 3°.4/12.7 18

6 10	19 59.05	−31 39.8	2.154	3.023	11.8	20.6
6 20	19 53.32	−31 52.8	2.077	3.016	8.9	20.4
6 30	19 45.53	−32 1.4	2.025	3.009	5.9	20.2
7 10	19 36.42	−32 1.9	1.998	3.003	3.6	20.0
7 20	19 26.91	−31 51.9	1.998	2.997	4.4	20.1
7 30	19 18.04	−31 30.7	2.026	2.991	7.4	20.2
8 9	19 10.76	−30 59.5	2.078	2.985	10.5	20.4
8 19	19 5.67	−30 20.9	2.153	2.979	13.3	20.6

479160 2013 CU_{14} 7 13.7 190°.68 1°.3/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 57.05	−24 25.4	2.392	3.258	10.9	22.0
6 20	19 51.60	−24 49.9	2.316	3.257	8.0	21.9
6 30	19 44.41	−25 15.8	2.265	3.256	4.8	21.7
7 10	19 36.10	−25 40.1	2.241	3.255	1.7	21.4
7 20	19 27.42	−26 0.3	2.246	3.253	2.8	21.5
7 30	19 19.23	−26 14.6	2.278	3.252	6.0	21.7
8 9	19 12.31	−26 22.4	2.336	3.250	9.1	21.9
8 19	19 7.23	−26 24.1	2.418	3.248	11.9	22.1

502291 2015 BS_{141} 7 13.7 169°.33 2°.4/12.7 17

6 10	19 59.65	−24 16.3	1.594	2.475	14.6	21.2
6 20	19 54.33	−25 14.1	1.527	2.475	10.8	21.0
6 30	19 46.40	−26 16.2	1.483	2.475	6.6	20.7
7 10	19 36.71	−27 16.7	1.463	2.476	2.7	20.5
7 20	19 26.38	−28 9.8	1.470	2.476	4.3	20.6
7 30	19 16.78	−28 51.1	1.502	2.476	8.5	20.8
8 9	19 9.11	−29 19.1	1.558	2.476	12.6	21.1
8 19	19 4.19	−29 34.6	1.635	2.476	16.1	21.3

144011 2004 BT_{2} 7 13.7 169°.36 0°.3/13.6 17

6 10	20 1.66	−21 27.5	1.902	2.768	13.3	21.9
6 20	19 55.29	−21 43.0	1.832	2.772	9.8	21.7
6 30	19 46.73	−22 2.3	1.784	2.775	5.9	21.4
7 10	19 36.76	−22 22.2	1.763	2.778	1.6	21.2
7 20	19 26.35	−22 39.8	1.770	2.780	2.8	21.3
7 30	19 16.63	−22 53.0	1.804	2.782	7.0	21.5
8 9	19 8.57	−23 1.1	1.863	2.783	10.8	21.8
8 19	19 2.86	−23 4.2	1.945	2.783	14.0	22.0

214094 2004 KY_{6} 7 13.7 325°.84 4°.9/15.3 18

6 10	19 54.75	− 9 13.7	1.906	2.755	14.0	20.2
6 20	19 50.18	− 8 42.6	1.827	2.747	11.1	20.0
6 30	19 43.69	− 8 23.2	1.770	2.740	7.9	19.8
7 10	19 35.93	− 8 16.2	1.737	2.733	5.4	19.6
7 20	19 27.72	− 8 21.5	1.730	2.726	5.3	19.6
7 30	19 20.00	− 8 37.6	1.749	2.720	7.8	19.7
8 9	19 13.65	− 9 2.1	1.792	2.714	11.0	19.9
8 19	19 9.31	− 9 31.8	1.858	2.709	14.0	20.1

382506 2001 RU_{127} 7 13.7 311°.96 0°.6/13.9 15

6 10	19 56.03	−18 45.3	1.378	2.266	16.0	20.7
6 20	19 52.08	−19 5.7	1.294	2.244	12.1	20.4
6 30	19 45.32	−19 36.2	1.230	2.224	7.4	20.1
7 10	19 36.48	−20 13.7	1.189	2.203	2.2	19.7
7 20	19 26.71	−20 53.9	1.172	2.183	3.4	19.8
7 30	19 17.45	−21 32.5	1.179	2.164	8.8	20.0
8 9	19 10.13	−22 6.0	1.208	2.145	13.8	20.3
8 19	19 5.74	−22 32.7	1.257	2.127	18.2	20.5

48394 1981 EP_{9} 7 13.7 276°.45 3°.1/14.6 18

6 10	19 58.51	−14 37.9	1.608	2.475	15.2	18.8
6 20	19 53.40	−14 20.4	1.525	2.461	11.7	18.6
6 30	19 45.84	−14 12.3	1.463	2.448	7.6	18.3
7 10	19 36.57	−14 13.1	1.426	2.435	3.8	18.1
7 20	19 26.62	−14 21.5	1.414	2.421	4.1	18.0
7 30	19 17.23	−14 35.6	1.427	2.408	8.2	18.3
8 9	19 9.55	−14 53.2	1.465	2.394	12.4	18.5
8 19	19 4.41	−15 12.2	1.523	2.380	16.2	18.7

276042 2002 AQ_{174} 7 13.7 224°.61 0°.4/13.6 17

6 10	19 59.07	−21 8.9	1.960	2.828	12.9	21.3
6 20	19 53.47	−21 33.0	1.880	2.821	9.5	21.1
6 30	19 45.72	−22 1.7	1.823	2.814	5.7	20.8
7 10	19 36.51	−22 32.1	1.791	2.806	1.6	20.5
7 20	19 26.76	−23 0.8	1.788	2.798	2.8	20.6
7 30	19 17.53	−23 25.0	1.811	2.790	6.9	20.8
8 9	19 9.81	−23 43.5	1.860	2.781	10.7	21.0
8 19	19 4.33	−23 56.0	1.932	2.772	14.0	21.2

92060 1999 WY_{6} 7 13.7 302°.58 5°.2/15.4 18

6 10	19 54.59	− 7 42.4	2.182	3.018	12.9	19.2
6 20	19 49.87	− 7 3.9	2.096	3.006	10.3	19.0
6 30	19 43.44	− 6 36.0	2.033	2.995	7.7	18.8
7 10	19 35.86	− 6 20.1	1.995	2.984	5.6	18.6
7 20	19 27.86	− 6 16.4	1.983	2.973	5.5	18.6
7 30	19 20.25	− 6 24.0	1.998	2.962	7.5	18.7
8 9	19 13.83	− 6 41.1	2.037	2.951	10.3	18.9
8 19	19 9.19	− 7 5.0	2.099	2.940	13.0	19.0

100767 1998 FE_{26} 7 13.7 113°.33 1°.5/14.2 17

6 10	20 0.60	−16 53.2	1.529	2.400	15.6	20.3
6 20	19 54.81	−17 6.5	1.469	2.410	11.7	20.1
6 30	19 46.56	−17 29.1	1.430	2.419	7.2	19.8
7 10	19 36.73	−17 58.2	1.416	2.429	2.6	19.6
7 20	19 26.47	−18 30.2	1.427	2.438	3.2	19.6
7 30	19 17.05	−19 1.8	1.465	2.447	7.8	19.9
8 9	19 9.59	−19 30.5	1.526	2.455	12.0	20.2
8 19	19 4.79	−19 55.0	1.609	2.463	15.7	20.4

175986 2000 QN_{71} 7 13.7 297°.36 2°.6/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 59.04	−28 49.1	2.012	2.885	12.4	19.9
6 20	19 53.45	−28 59.1	1.932	2.874	9.3	19.6
6 30	19 45.69	−29 6.5	1.875	2.864	5.8	19.4
7 10	19 36.50	−29 8.0	1.844	2.854	2.9	19.2
7 20	19 26.83	−29 1.0	1.839	2.844	3.9	19.3
7 30	19 17.79	−28 44.6	1.862	2.834	7.3	19.4
8 9	19 10.35	−28 19.5	1.910	2.824	10.8	19.6
8 19	19 5.20	−27 47.7	1.979	2.814	13.9	19.8

450326 2004 TW_{34} 7 13.7 319°.86 10°.1/17.6 15

6 10	19 52.07	+ 4 41.0	1.943	2.733	15.9	21.1
6 20	19 48.30	+ 5 30.8	1.853	2.711	13.9	20.9
6 30	19 42.66	+ 6 0.2	1.782	2.690	12.0	20.7
7 10	19 35.69	+ 6 5.4	1.733	2.670	10.5	20.6
7 20	19 28.13	+ 5 44.8	1.706	2.650	10.2	20.5
7 30	19 20.91	+ 4 59.1	1.703	2.630	11.2	20.5
8 9	19 14.90	+ 3 52.4	1.722	2.611	13.2	20.6
8 19	19 10.80	+ 2 30.5	1.761	2.593	15.5	20.7

105514 2000 RO_{15} 7 13.7 306°.11 0°.7/13.9 18

6 10	19 57.39	−20 36.5	1.954	2.824	12.8	19.3
6 20	19 52.19	−20 20.8	1.870	2.812	9.5	19.0
6 30	19 44.93	−20 7.8	1.810	2.800	5.8	18.8
7 10	19 36.29	−19 56.2	1.774	2.789	1.8	18.5
7 20	19 27.18	−19 44.9	1.766	2.777	2.7	18.5
7 30	19 18.60	−19 33.0	1.785	2.766	6.8	18.8
8 9	19 11.51	−19 20.3	1.829	2.754	10.6	19.0
8 19	19 6.58	−19 6.8	1.895	2.744	13.9	19.2

205085 1999 TQ_{32} 7 13.7 265°.96 2°.1/14.5 18

6 10	19 57.68	−15 23.4	2.002	2.861	13.0	20.9
6 20	19 52.44	−15 22.6	1.908	2.841	9.9	20.6
6 30	19 45.14	−15 29.9	1.837	2.822	6.4	20.4
7 10	19 36.38	−15 44.1	1.792	2.802	2.8	20.1
7 20	19 26.99	−16 3.3	1.773	2.782	3.2	20.1
7 30	19 17.98	−16 25.6	1.782	2.761	6.9	20.3
8 9	19 10.32	−16 48.8	1.816	2.741	10.7	20.5
8 19	19 4.75	−17 11.3	1.873	2.719	14.1	20.6

350805 2002 CT_{214} 7 13.7 49°.73 3°.5/15.7 18

6 10	19 53.98	− 9 13.8	2.116	2.960	12.9	20.3
6 20	19 49.40	− 9 31.2	2.046	2.966	10.1	20.2
6 30	19 43.13	−10 1.7	1.999	2.972	6.9	20.0
7 10	19 35.78	−10 43.8	1.977	2.978	4.2	19.8
7 20	19 28.08	−11 35.0	1.982	2.985	3.9	19.8
7 30	19 20.87	−12 32.1	2.015	2.991	6.5	20.0
8 9	19 14.90	−13 31.4	2.073	2.998	9.6	20.2
8 19	19 10.74	−14 29.6	2.155	3.005	12.4	20.4

371447 2006 SJ_{290} 7 13.7 317°.72 1°.4/14.2 18

6 10	19 54.32	−16 56.7	1.185	2.080	17.6	20.6
6 20	19 51.25	−17 16.4	1.098	2.052	13.4	20.2
6 30	19 45.08	−17 50.5	1.030	2.025	8.4	19.9
7 10	19 36.49	−18 36.6	0.984	1.998	2.9	19.5
7 20	19 26.69	−19 30.0	0.960	1.972	3.8	19.4
7 30	19 17.32	−20 25.0	0.959	1.947	9.8	19.7
8 9	19 10.06	−21 16.4	0.978	1.922	15.4	19.9
8 19	19 6.10	−22 0.6	1.015	1.899	20.4	20.1

217204 2002 TD_{220} 7 13.7 297°.57 1°.0/13.9 18

6 10	19 59.32	−19 54.7	1.437	2.319	15.8	19.9
6 20	19 54.45	−19 40.9	1.349	2.296	12.0	19.6
6 30	19 46.71	−19 32.0	1.281	2.273	7.4	19.3
7 10	19 36.88	−19 26.3	1.236	2.251	2.4	18.9
7 20	19 26.13	−19 21.6	1.217	2.228	3.5	18.9
7 30	19 15.93	−19 16.6	1.222	2.205	8.8	19.1
8 9	19 7.69	−19 10.4	1.249	2.183	13.7	19.4
8 19	19 2.39	−19 3.0	1.297	2.161	18.1	19.6

71916 2000 WV_{48} 7 13.7 128°.77 2°.3/14.6 17

6 10	20 1.50	−14 31.1	1.823	2.677	14.3	19.6
6 20	19 55.07	−14 38.7	1.762	2.693	10.8	19.5
6 30	19 46.54	−14 55.9	1.725	2.708	6.8	19.3
7 10	19 36.71	−15 20.5	1.713	2.723	3.1	19.1
7 20	19 26.57	−15 49.9	1.729	2.737	3.3	19.1
7 30	19 17.18	−16 21.3	1.772	2.750	7.0	19.4
8 9	19 9.48	−16 52.2	1.840	2.763	10.7	19.6
8 19	19 4.08	−17 21.0	1.931	2.774	13.9	19.8

172237 2002 RG_{178} 7 13.7 242°.51 0°.9/14.1 18

6 10	19 56.96	−18 16.0	2.086	2.949	12.4	21.0
6 20	19 51.75	−18 25.4	2.005	2.943	9.2	20.8
6 30	19 44.62	−18 40.6	1.947	2.936	5.6	20.5
7 10	19 36.21	−18 59.9	1.915	2.929	1.9	20.3
7 20	19 27.34	−19 20.7	1.911	2.922	2.6	20.3
7 30	19 18.96	−19 41.2	1.935	2.915	6.4	20.5
8 9	19 11.93	−19 59.5	1.984	2.907	10.0	20.8
8 19	19 6.90	−20 14.9	2.055	2.900	13.1	20.9

365563 2010 TZ_{40} 7 13.7 147°.34 3°.2/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 58.08	−31 57.0	2.725	3.585	9.9	21.9
6 20	19 52.21	−32 26.9	2.658	3.592	7.5	21.7
6 30	19 44.72	−32 53.3	2.616	3.598	5.0	21.6
7 10	19 36.21	−33 12.9	2.602	3.603	3.3	21.5
7 20	19 27.42	−33 23.4	2.616	3.609	4.0	21.5
7 30	19 19.17	−33 23.6	2.657	3.614	6.3	21.7
8 9	19 12.16	−33 14.1	2.725	3.619	8.8	21.9
8 19	19 6.92	−32 56.4	2.817	3.623	11.0	22.0

85199 Habsburg 7 13.7 233°.07 2°.4/13.1 17

6 10	20 3.99	−26 29.2	1.521	2.399	15.3	19.7
6 20	19 57.73	−26 46.7	1.445	2.391	11.5	19.4
6 30	19 48.55	−27 4.2	1.391	2.383	7.1	19.1
7 10	19 37.36	−27 16.6	1.361	2.374	2.9	18.8
7 20	19 25.45	−27 20.1	1.357	2.365	4.3	18.9
7 30	19 14.35	−27 12.7	1.379	2.355	8.9	19.2
8 9	19 5.43	−26 55.1	1.424	2.345	13.3	19.4
8 19	18 59.57	−26 30.0	1.490	2.334	17.2	19.6

183193 2002 TY_{4} 7 13.7 256°.01 1°.8/14.4 18

6 10	19 59.19	−15 37.6	1.817	2.678	14.0	20.9
6 20	19 53.80	−15 52.9	1.724	2.660	10.6	20.7
6 30	19 46.09	−16 18.3	1.654	2.641	6.7	20.4
7 10	19 36.69	−16 51.6	1.609	2.621	2.7	20.1
7 20	19 26.54	−17 30.0	1.591	2.601	3.2	20.1
7 30	19 16.78	−18 10.1	1.600	2.581	7.4	20.3
8 9	19 8.52	−18 48.9	1.635	2.560	11.6	20.5
8 19	19 2.60	−19 24.5	1.691	2.538	15.3	20.7

264334 1999 VT_{116} 7 13.7 340°.78 5°.2/11.5 18

6 10	19 58.27	−34 31.3	2.022	2.893	12.4	21.1
6 20	19 53.02	−35 22.0	1.954	2.890	9.6	20.9
6 30	19 45.50	−36 7.5	1.909	2.886	6.8	20.7
7 10	19 36.48	−36 42.5	1.889	2.883	5.2	20.6
7 20	19 26.97	−37 2.8	1.896	2.881	6.2	20.7
7 30	19 18.11	−37 6.4	1.928	2.878	8.7	20.8
8 9	19 10.95	−36 54.5	1.984	2.876	11.6	21.0
8 19	19 6.20	−36 29.6	2.062	2.874	14.2	21.2

468972 2015 AQ_{83} 7 13.7 142°.60 0°.7/13.5 17

6 10	20 1.11	−21 51.4	1.803	2.672	13.7	22.0
6 20	19 54.98	−22 19.0	1.738	2.680	10.1	21.8
6 30	19 46.60	−22 50.6	1.697	2.688	6.0	21.6
7 10	19 36.77	−23 22.5	1.681	2.696	1.7	21.3
7 20	19 26.52	−23 51.1	1.692	2.702	3.0	21.4
7 30	19 17.01	−24 13.8	1.731	2.709	7.2	21.7
8 9	19 9.26	−24 29.4	1.795	2.715	11.1	21.9
8 19	19 3.93	−24 38.3	1.880	2.720	14.3	22.2

139791 2001 RR_{6} 7 13.7 343°.52 0°.9/14.1 18

6 10	19 55.70	−18 31.0	1.803	2.677	13.5	19.3
6 20	19 51.05	−18 39.9	1.730	2.673	10.1	19.1
6 30	19 44.30	−18 55.4	1.679	2.669	6.2	18.8
7 10	19 36.15	−19 15.3	1.652	2.666	2.0	18.6
7 20	19 27.54	−19 37.0	1.652	2.664	2.8	18.6
7 30	19 19.51	−19 58.2	1.679	2.661	6.9	18.9
8 9	19 13.04	−20 17.0	1.730	2.659	10.8	19.1
8 19	19 8.78	−20 32.3	1.803	2.658	14.2	19.3

307134 2002 CL_{169} 7 13.7 105°.89 0°.9/14.2 18

6 10	19 55.79	−16 54.2	2.491	3.346	10.9	20.6
6 20	19 50.48	−17 20.2	2.429	3.362	8.1	20.4
6 30	19 43.67	−17 52.2	2.390	3.377	4.9	20.3
7 10	19 35.94	−18 28.0	2.380	3.393	1.7	20.1
7 20	19 27.96	−19 5.2	2.397	3.408	2.2	20.1
7 30	19 20.47	−19 41.3	2.443	3.422	5.3	20.3
8 9	19 14.14	−20 14.7	2.517	3.437	8.3	20.6
8 19	19 9.46	−20 44.2	2.614	3.451	10.9	20.8

139107 2001 FL_{47} 7 13.7 28°.36 4°.8/15.4 17

6 10	19 55.21	−11 12.8	1.080	1.968	19.5	18.5
6 20	19 51.39	−11 3.6	1.035	1.980	15.0	18.3
6 30	19 44.72	−11 13.4	1.008	1.994	10.1	18.1
7 10	19 36.28	−11 40.9	1.002	2.008	5.8	17.9
7 20	19 27.43	−12 22.7	1.017	2.024	5.5	17.9
7 30	19 19.68	−13 13.4	1.055	2.041	9.5	18.2
8 9	19 14.26	−14 7.1	1.114	2.058	14.0	18.5
8 19	19 11.86	−14 59.0	1.192	2.077	18.0	18.8

218894 2007 DO_{60} 7 13.7 209°.00 0°.7/14.0 17

6 10	19 59.98	−18 49.8	2.020	2.881	12.8	21.7
6 20	19 54.05	−19 0.4	1.938	2.875	9.6	21.5
6 30	19 46.04	−19 16.6	1.880	2.869	5.8	21.2
7 10	19 36.64	−19 36.0	1.848	2.862	1.8	20.9
7 20	19 26.74	−19 56.4	1.845	2.855	2.6	21.0
7 30	19 17.35	−20 15.3	1.868	2.848	6.7	21.2
8 9	19 9.44	−20 31.5	1.918	2.839	10.4	21.4
8 19	19 3.68	−20 44.2	1.990	2.830	13.7	21.6

291337 2006 BS_{216} 7 13.7 224°.31 2°.7/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 57.55	−30 4.6	2.557	3.422	10.3	20.8
6 20	19 51.95	−30 26.1	2.481	3.418	7.7	20.6
6 30	19 44.64	−30 45.1	2.429	3.415	5.0	20.4
7 10	19 36.24	−30 58.4	2.404	3.411	2.9	20.3
7 20	19 27.49	−31 3.8	2.408	3.407	3.7	20.3
7 30	19 19.25	−31 0.0	2.439	3.403	6.3	20.5
8 9	19 12.28	−30 47.6	2.496	3.399	9.1	20.7
8 19	19 7.13	−30 27.8	2.576	3.394	11.6	20.8

150008 2005 UD_{216} 7 13.8 272°.77 0°.6/13.5 18

6 10	19 55.86	−22 1.0	2.239	3.107	11.4	20.1
6 20	19 50.89	−22 25.0	2.159	3.101	8.5	19.9
6 30	19 44.10	−22 52.6	2.103	3.094	5.0	19.7
7 10	19 36.11	−23 20.9	2.073	3.088	1.4	19.4
7 20	19 27.69	−23 47.2	2.071	3.082	2.5	19.5
7 30	19 19.72	−24 9.2	2.097	3.075	6.2	19.7
8 9	19 13.04	−24 25.8	2.149	3.069	9.5	19.9
8 19	19 8.24	−24 36.7	2.223	3.062	12.5	20.1

101909 1999 RU_{6} 7 13.8 224°.56 2°.5/14.7 18

6 10	19 59.60	−14 0.4	1.785	2.642	14.4	20.7
6 20	19 54.02	−14 9.1	1.702	2.634	11.0	20.4
6 30	19 46.16	−14 28.5	1.642	2.625	7.1	20.2
7 10	19 36.72	−14 57.2	1.606	2.616	3.3	19.9
7 20	19 26.66	−15 32.4	1.598	2.606	3.5	19.9
7 30	19 17.10	−16 11.1	1.616	2.596	7.4	20.2
8 9	19 9.12	−16 50.2	1.659	2.585	11.5	20.4
8 19	19 3.49	−17 27.3	1.725	2.573	15.0	20.6

188250 2002 XA_{68} 7 13.8 231°.50 3°.6/15.1 18

6 10	19 58.42	−11 21.5	1.846	2.696	14.3	20.8
6 20	19 53.06	−11 18.8	1.762	2.688	11.1	20.6
6 30	19 45.54	−11 28.1	1.701	2.678	7.5	20.3
7 10	19 36.54	−11 48.8	1.664	2.669	4.3	20.1
7 20	19 26.96	−12 19.1	1.654	2.659	4.3	20.1
7 30	19 17.86	−12 56.3	1.671	2.648	7.5	20.3
8 9	19 10.24	−13 37.2	1.713	2.637	11.3	20.5
8 19	19 4.84	−14 18.8	1.777	2.626	14.7	20.7

311505 2005 WM_{114} 7 13.8 180°.27 5°.4/10.5 18

6 10	19 59.43	−37 55.2	2.639	3.492	10.4	20.9
6 20	19 53.53	−39 1.0	2.572	3.492	8.2	20.7
6 30	19 45.69	−40 0.8	2.531	3.493	6.3	20.6
7 10	19 36.56	−40 49.5	2.516	3.493	5.4	20.6
7 20	19 26.96	−41 23.4	2.529	3.493	6.2	20.6
7 30	19 17.86	−41 40.8	2.568	3.492	8.0	20.7
8 9	19 10.14	−41 42.2	2.632	3.492	10.2	20.9
8 19	19 4.43	−41 30.1	2.718	3.491	12.2	21.0

520334 2014 GA_{61} 7 13.8 344°.78 3°.9/11.8 18

6 10	19 57.31	−29 51.2	1.985	2.861	12.4	21.0
6 20	19 52.30	−30 51.5	1.917	2.859	9.3	20.8
6 30	19 45.10	−31 50.9	1.871	2.857	6.1	20.6
7 10	19 36.42	−32 44.0	1.852	2.856	4.0	20.5
7 20	19 27.20	−33 25.9	1.859	2.854	5.1	20.6
7 30	19 18.57	−33 53.8	1.893	2.853	8.1	20.7
8 9	19 11.53	−34 7.3	1.950	2.852	11.3	20.9
8 19	19 6.80	−34 7.9	2.029	2.851	14.1	21.1

396772 2003 WT_{162} 7 13.8 267°.56 4°.4/11.5 18

6 10	19 59.15	−30 2.5	1.924	2.798	12.8	20.6
6 20	19 53.86	−31 14.9	1.847	2.789	9.7	20.4
6 30	19 46.15	−32 27.4	1.794	2.779	6.5	20.2
7 10	19 36.74	−33 33.5	1.767	2.769	4.4	20.0
7 20	19 26.62	−34 27.6	1.767	2.759	5.6	20.1
7 30	19 17.01	−35 5.7	1.793	2.750	8.8	20.3
8 9	19 9.05	−35 27.2	1.843	2.740	12.1	20.4
8 19	19 3.58	−35 33.6	1.914	2.730	15.1	20.6

150303 1999 TV_{250} 7 13.8 318°.58 2°.1/13.2 18

6 10	19 57.86	−27 30.3	1.915	2.792	12.7	19.6
6 20	19 52.72	−27 34.0	1.832	2.777	9.5	19.4
6 30	19 45.35	−27 35.9	1.771	2.762	5.9	19.1
7 10	19 36.49	−27 32.9	1.736	2.748	2.5	18.9
7 20	19 27.11	−27 22.7	1.728	2.735	3.6	18.9
7 30	19 18.32	−27 4.3	1.746	2.721	7.4	19.1
8 9	19 11.16	−26 38.4	1.788	2.708	11.1	19.3
8 19	19 6.32	−26 6.8	1.853	2.696	14.4	19.5

513397 2008 JV_{22} 7 13.8 278°.71 8°.8/ 7.2 18

6 10	20 2.90	−45 2.8	2.312	3.151	12.2	21.0
6 20	19 56.93	−46 57.6	2.246	3.141	10.4	20.9
6 30	19 48.19	−48 42.9	2.204	3.131	9.1	20.8
7 10	19 37.36	−50 10.6	2.187	3.120	8.9	20.8
7 20	19 25.54	−51 14.4	2.196	3.110	9.8	20.8
7 30	19 14.12	−51 51.3	2.229	3.100	11.4	20.9
8 9	19 4.48	−52 2.5	2.284	3.089	13.3	21.0
8 19	18 57.63	−51 52.0	2.358	3.079	15.1	21.1

314470 2005 WY_{71} 7 13.8 255°.33 0°.4/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 55.94	−19 33.4	2.618	3.476	10.3	22.4
6 20	19 50.76	−19 45.7	2.523	3.458	7.7	22.2
6 30	19 43.97	−20 2.1	2.452	3.441	4.7	21.9
7 10	19 36.10	−20 20.8	2.408	3.422	1.4	21.7
7 20	19 27.78	−20 39.9	2.393	3.404	2.1	21.7
7 30	19 19.78	−20 57.7	2.407	3.385	5.5	21.9
8 9	19 12.81	−21 12.9	2.448	3.366	8.6	22.1
8 19	19 7.46	−21 25.0	2.512	3.347	11.3	22.2

321350 2009 KC_{20} 7 13.8 12°.17 0°.7/13.9 16

6 10	19 53.57	−19 50.0	1.369	2.262	15.8	19.6
6 20	19 49.87	−19 47.7	1.315	2.268	11.7	19.4
6 30	19 43.72	−19 51.8	1.281	2.276	7.1	19.1
7 10	19 36.04	−20 0.0	1.270	2.285	2.1	18.9
7 20	19 27.98	−20 9.7	1.284	2.296	3.1	19.0
7 30	19 20.81	−20 18.7	1.321	2.307	7.9	19.3
8 9	19 15.60	−20 25.3	1.381	2.321	12.2	19.6
8 19	19 12.99	−20 28.8	1.461	2.335	15.9	19.8

366336 2013 EA_{123} 7 13.8 97°.27 1°.4/14.2 17

6 10	20 1.26	−17 26.3	1.303	2.184	17.2	21.6
6 20	19 55.70	−17 39.2	1.245	2.192	12.9	21.3
6 30	19 47.31	−18 2.4	1.208	2.199	7.9	21.1
7 10	19 37.06	−18 32.4	1.193	2.207	2.7	20.8
7 20	19 26.29	−19 5.2	1.204	2.215	3.5	20.9
7 30	19 16.51	−19 36.9	1.238	2.222	8.6	21.2
8 9	19 8.98	−20 4.8	1.296	2.230	13.3	21.5
8 19	19 4.50	−20 27.7	1.374	2.237	17.3	21.8

234620 2002 AZ_{131} 7 13.8 200°.22 0°.7/14.0 18

6 10	20 0.06	−19 15.4	2.122	2.981	12.3	21.3
6 20	19 53.99	−19 16.3	2.042	2.978	9.2	21.1
6 30	19 45.97	−19 21.5	1.985	2.974	5.6	20.9
7 10	19 36.66	−19 29.3	1.955	2.969	1.8	20.6
7 20	19 26.91	−19 37.7	1.954	2.964	2.5	20.7
7 30	19 17.70	−19 45.1	1.980	2.959	6.4	20.9
8 9	19 9.91	−19 50.6	2.033	2.953	10.0	21.1
8 19	19 4.18	−19 54.0	2.108	2.946	13.1	21.3

128918 2004 TG_{60} 7 13.8 259°.84 0°.0/13.8 18

6 10	19 55.72	−20 49.0	2.574	3.435	10.4	20.9
6 20	19 50.62	−21 1.3	2.482	3.420	7.7	20.7
6 30	19 43.90	−21 17.0	2.414	3.404	4.6	20.5
7 10	19 36.09	−21 34.1	2.374	3.388	1.3	20.2
7 20	19 27.85	−21 50.6	2.362	3.373	2.2	20.3
7 30	19 19.95	−22 4.9	2.378	3.356	5.5	20.5
8 9	19 13.13	−22 16.0	2.421	3.340	8.7	20.6
8 19	19 7.96	−22 23.5	2.488	3.323	11.4	20.8

294463 2007 VE_{316} 7 13.8 80°.14 2°.0/13.1 17

6 10	20 1.50	−23 47.5	1.395	2.279	16.1	20.8
6 20	19 55.80	−24 29.9	1.342	2.291	11.8	20.6
6 30	19 47.31	−25 16.1	1.310	2.304	7.1	20.3
7 10	19 37.06	−26 0.1	1.302	2.316	2.5	20.1
7 20	19 26.34	−26 36.7	1.320	2.328	4.1	20.2
7 30	19 16.65	−27 2.3	1.362	2.340	8.7	20.5
8 9	19 9.22	−27 16.4	1.428	2.352	13.0	20.8
8 19	19 4.77	−27 20.3	1.513	2.364	16.7	21.1

435876 2008 YG_{122} 7 13.8 22°.73 2°.1/14.2 17

6 10	19 57.29	−18 4.7	1.464	2.345	15.7	20.2
6 20	19 52.42	−17 35.5	1.407	2.352	11.7	20.0
6 30	19 45.17	−17 12.6	1.371	2.361	7.3	19.8
7 10	19 36.44	−16 55.4	1.358	2.371	3.0	19.5
7 20	19 27.38	−16 42.9	1.371	2.381	3.5	19.6
7 30	19 19.21	−16 34.2	1.408	2.392	7.9	19.9
8 9	19 12.99	−16 28.2	1.469	2.404	12.0	20.2
8 19	19 9.34	−16 24.0	1.551	2.416	15.6	20.4

345907 2007 RY_{148} 7 13.8 231°.21 10°.5/ 8.4 18

6 10	20 10.29	−52 4.6	2.240	3.048	13.5	20.8
6 20	20 2.57	−53 22.0	2.178	3.040	12.0	20.6
6 30	19 51.57	−54 23.0	2.137	3.032	10.9	20.5
7 10	19 38.29	−54 59.7	2.119	3.023	10.5	20.5
7 20	19 24.24	−55 7.0	2.125	3.014	11.2	20.5
7 30	19 11.21	−54 44.0	2.154	3.005	12.5	20.6
8 9	19 0.73	−53 54.6	2.203	2.995	14.2	20.7
8 19	18 53.70	−52 45.1	2.271	2.985	15.8	20.8

335090 2004 TB_{52} 7 13.8 267°.59 5°.7/15.5 16

6 10	19 57.02	− 7 34.2	1.844	2.685	14.7	21.0
6 20	19 52.01	− 7 0.2	1.760	2.673	11.8	20.8
6 30	19 44.92	− 6 39.2	1.697	2.662	8.7	20.6
7 10	19 36.41	− 6 32.7	1.659	2.650	6.2	20.4
7 20	19 27.34	− 6 40.6	1.646	2.638	6.0	20.4
7 30	19 18.74	− 7 1.5	1.659	2.627	8.5	20.5
8 9	19 11.56	− 7 32.5	1.697	2.615	11.7	20.6
8 19	19 6.52	− 8 10.1	1.756	2.603	14.9	20.8

120696 1997 *HH* 7 13.8 336°.03 0°.8/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 54.67	−22 31.1	1.791	2.672	13.2	19.9
6 20	19 50.45	−22 48.9	1.712	2.660	9.8	19.6
6 30	19 44.06	−23 10.5	1.656	2.649	5.9	19.4
7 10	19 36.18	−23 32.9	1.624	2.639	1.7	19.1
7 20	19 27.76	−23 53.0	1.618	2.629	3.0	19.1
7 30	19 19.89	−24 8.3	1.639	2.620	7.2	19.4
8 9	19 13.58	−24 17.7	1.683	2.611	11.2	19.6
8 19	19 9.56	−24 20.9	1.749	2.604	14.6	19.8

369477 2010 TK_{96} 7 13.8 190°.21 0°.5/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 55.74	−22 29.2	2.876	3.734	9.5	22.1
6 20	19 50.43	−22 49.1	2.796	3.733	7.0	21.9
6 30	19 43.69	−23 11.0	2.742	3.731	4.2	21.7
7 10	19 36.03	−23 32.9	2.715	3.729	1.2	21.5
7 20	19 28.07	−23 52.7	2.718	3.727	2.1	21.6
7 30	19 20.49	−24 9.0	2.749	3.725	5.0	21.8
8 9	19 13.92	−24 20.9	2.808	3.722	7.8	21.9
8 19	19 8.85	−24 28.4	2.891	3.718	10.2	22.1

438857 2009 DF_{121} 7 13.8 32°.00 5°.0/15.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 54.32	− 8 15.8	1.605	2.462	15.8	20.7
6 20	19 50.03	− 8 10.2	1.550	2.474	12.4	20.6
6 30	19 43.68	− 8 20.9	1.516	2.488	8.8	20.4
7 10	19 36.05	− 8 47.4	1.504	2.502	5.7	20.2
7 20	19 28.09	− 9 27.3	1.517	2.517	5.3	20.2
7 30	19 20.86	−10 16.9	1.556	2.533	8.0	20.4
8 9	19 15.25	−11 11.6	1.618	2.549	11.4	20.7
8 19	19 11.88	−12 7.1	1.702	2.565	14.5	20.9

476001 2007 RG_{48} 7 13.8 356°.84 3°.5/12.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 55.84	−27 54.5	1.320	2.218	15.9	20.8
6 20	19 51.96	−28 25.9	1.258	2.213	11.9	20.5
6 30	19 45.21	−28 56.8	1.216	2.210	7.5	20.3
7 10	19 36.54	−29 21.6	1.196	2.207	3.8	20.1
7 20	19 27.25	−29 35.5	1.201	2.206	5.2	20.1
7 30	19 18.89	−29 35.8	1.229	2.206	9.5	20.4
8 9	19 12.76	−29 23.3	1.278	2.208	13.8	20.6
8 19	19 9.67	−29 0.2	1.347	2.210	17.6	20.9

21604 1999 BS_{3} 7 13.8 194°.29 0°.9/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 56.72	−17 55.2	2.067	2.931	12.4	18.7
6 20	19 51.58	−18 7.2	1.992	2.930	9.3	18.4
6 30	19 44.55	−18 25.4	1.941	2.930	5.7	18.2
7 10	19 36.30	−18 47.9	1.916	2.929	1.9	18.0
7 20	19 27.64	−19 12.2	1.918	2.928	2.5	18.0
7 30	19 19.51	−19 36.1	1.947	2.928	6.3	18.3
8 9	19 12.75	−19 57.8	2.002	2.927	9.9	18.5
8 19	19 7.99	−20 16.3	2.080	2.926	12.9	18.7

451375 2011 AH_{60} 7 13.8 272°.71 0°.7/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 55.52	−19 1.2	2.598	3.456	10.4	22.2
6 20	19 50.47	−19 3.1	2.501	3.436	7.8	22.0
6 30	19 43.84	−19 8.8	2.428	3.416	4.8	21.8
7 10	19 36.11	−19 17.1	2.382	3.396	1.6	21.5
7 20	19 27.95	−19 26.4	2.365	3.376	2.2	21.6
7 30	19 20.10	−19 35.4	2.376	3.355	5.5	21.8
8 9	19 13.30	−19 43.1	2.414	3.334	8.6	21.9
8 19	19 8.09	−19 48.8	2.476	3.313	11.4	22.1

314482 2005 WO_{120} 7 13.8 199°.56 5°.9/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 56.91	− 2 12.2	2.894	3.686	11.2	20.9
6 20	19 51.18	− 1 13.8	2.811	3.683	9.3	20.8
6 30	19 44.10	− 0 25.7	2.751	3.679	7.5	20.7
7 10	19 36.17	+ 0 10.3	2.717	3.675	6.2	20.6
7 20	19 27.94	+ 0 33.4	2.712	3.671	6.1	20.6
7 30	19 20.04	+ 0 43.6	2.734	3.667	7.2	20.6
8 9	19 13.08	+ 0 42.0	2.782	3.662	9.0	20.7
8 19	19 7.51	+ 0 30.9	2.854	3.657	10.9	20.9

394576 2007 VO_{57} 7 13.8 108°.09 5°.1/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 0.19	−33 8.3	2.079	2.947	12.2	20.9
6 20	19 54.41	−34 27.1	2.020	2.955	9.4	20.7
6 30	19 46.37	−35 42.3	1.985	2.963	6.6	20.5
7 10	19 36.84	−36 47.5	1.977	2.970	5.1	20.5
7 20	19 26.81	−37 37.6	1.996	2.978	6.1	20.5
7 30	19 17.41	−38 9.9	2.041	2.986	8.7	20.7
8 9	19 9.67	−38 24.6	2.111	2.993	11.4	20.9
8 19	19 4.32	−38 24.3	2.202	3.000	13.9	21.1

385233 2000 SZ_{183} 7 13.8 288°.69 8°.0/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 5.18	−40 8.4	1.673	2.537	14.9	20.3
6 20	19 58.91	−40 56.1	1.598	2.522	12.1	20.1
6 30	19 49.44	−41 32.8	1.543	2.507	9.4	19.9
7 10	19 37.76	−41 50.6	1.512	2.492	8.0	19.7
7 20	19 25.30	−41 43.8	1.506	2.476	8.9	19.8
7 30	19 13.76	−41 11.1	1.523	2.461	11.5	19.9
8 9	19 4.65	−40 16.0	1.563	2.446	14.6	20.0
8 19	18 58.87	−39 4.8	1.622	2.431	17.6	20.2

340177 2005 YM_{182} 7 13.8 112°.49 2°.5/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 1.46	−15 43.2	2.009	2.861	13.2	20.8
6 20	19 54.85	−15 16.0	1.949	2.878	10.0	20.6
6 30	19 46.38	−14 55.0	1.912	2.895	6.4	20.4
7 10	19 36.79	−14 39.8	1.902	2.911	3.1	20.2
7 20	19 27.00	−14 29.7	1.920	2.927	3.3	20.3
7 30	19 17.95	−14 23.8	1.966	2.942	6.6	20.5
8 9	19 10.47	−14 21.1	2.038	2.957	10.0	20.7
8 19	19 5.10	−14 20.8	2.132	2.972	12.9	21.0

390589 2001 RM_{134} 7 13.8 321°.45 8°.7/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 1.22	−41 16.9	1.682	2.550	14.7	20.3
6 20	19 56.05	−42 20.9	1.609	2.532	12.1	20.1
6 30	19 47.78	−43 14.3	1.557	2.516	9.8	19.9
7 10	19 37.31	−43 48.8	1.528	2.500	8.7	19.8
7 20	19 26.02	−43 58.2	1.522	2.484	9.7	19.8
7 30	19 15.57	−43 40.5	1.540	2.469	12.0	19.9
8 9	19 7.42	−42 58.3	1.579	2.454	14.9	20.1
8 19	19 2.53	−41 57.4	1.637	2.441	17.7	20.2

111241 2001 *XV* 7 13.8 126°.26 0°.3/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 56.61	−20 52.3	2.696	3.553	10.1	19.3
6 20	19 51.06	−21 22.2	2.631	3.567	7.4	19.1
6 30	19 44.06	−21 55.3	2.592	3.581	4.4	18.9
7 10	19 36.16	−22 29.1	2.580	3.595	1.2	18.7
7 20	19 28.01	−23 1.3	2.598	3.608	2.1	18.8
7 30	19 20.32	−23 29.8	2.644	3.621	5.2	19.0
8 9	19 13.74	−23 53.5	2.718	3.633	8.0	19.2
8 19	19 8.75	−24 12.1	2.816	3.645	10.4	19.4

142156 2002 RX_{29} 7 13.8 263°.65 3°.5/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 59.17	−13 25.2	1.636	2.498	15.3	20.2
6 20	19 53.93	−13 6.7	1.552	2.485	11.8	19.9
6 30	19 46.25	−12 58.6	1.489	2.471	7.9	19.7
7 10	19 36.87	−13 0.6	1.450	2.457	4.2	19.4
7 20	19 26.78	−13 11.4	1.437	2.443	4.4	19.4
7 30	19 17.23	−13 29.2	1.449	2.428	8.2	19.6
8 9	19 9.35	−13 51.5	1.486	2.414	12.4	19.8
8 19	19 3.97	−14 15.9	1.543	2.399	16.1	20.0

103712 2000 CP_{87} 7 13.8 249°.88 2°.5/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 56.57	−12 44.3	2.164	3.014	12.5	20.2
6 20	19 51.52	−13 2.1	2.073	3.000	9.6	20.0
6 30	19 44.59	−13 30.5	2.005	2.986	6.3	19.8
7 10	19 36.37	−14 8.1	1.963	2.971	3.1	19.5
7 20	19 27.60	−14 52.5	1.949	2.956	3.2	19.5
7 30	19 19.18	−15 40.7	1.962	2.941	6.4	19.7
8 9	19 11.96	−16 29.6	2.002	2.926	9.9	19.9
8 19	19 6.63	−17 16.7	2.065	2.910	13.1	20.1

273401 2006 VM_{134} 7 13.8 245°.72 1°.2/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 0.96	−22 50.7	1.836	2.706	13.5	21.5
6 20	19 55.20	−23 22.3	1.749	2.691	10.0	21.2
6 30	19 47.01	−23 58.2	1.684	2.676	6.1	20.9
7 10	19 37.08	−24 34.6	1.645	2.660	1.9	20.6
7 20	19 26.42	−25 7.1	1.634	2.643	3.3	20.7
7 30	19 16.23	−25 32.7	1.649	2.626	7.6	20.9
8 9	19 7.67	−25 49.9	1.689	2.608	11.7	21.1
8 19	19 1.58	−25 59.0	1.751	2.589	15.3	21.3

428117 2006 RK_{99} 7 13.8 318°.27 2°.7/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 54.92	−15 46.2	1.190	2.082	17.7	20.9
6 20	19 51.66	−15 42.5	1.106	2.057	13.6	20.6
6 30	19 45.34	−15 51.8	1.040	2.033	8.8	20.2
7 10	19 36.71	−16 12.9	0.996	2.009	3.8	19.9
7 20	19 26.97	−16 43.2	0.975	1.986	4.3	19.8
7 30	19 17.75	−17 18.7	0.976	1.964	9.7	20.0
8 9	19 10.62	−17 55.4	0.998	1.943	15.2	20.3
8 19	19 6.72	−18 29.9	1.037	1.923	20.0	20.5

94910 2001 YC_{47} 7 13.8 130°.86 2°.0/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 1.17	−25 34.8	1.906	2.776	13.1	19.8
6 20	19 55.01	−26 4.9	1.843	2.785	9.6	19.6
6 30	19 46.66	−26 35.7	1.804	2.795	5.8	19.4
7 10	19 36.92	−27 3.1	1.791	2.803	2.4	19.2
7 20	19 26.82	−27 23.5	1.805	2.812	3.5	19.3
7 30	19 17.45	−27 35.2	1.847	2.820	7.3	19.5
8 9	19 9.81	−27 37.8	1.913	2.828	10.8	19.7
8 19	19 4.53	−27 32.6	2.002	2.835	13.9	20.0

262387 2006 UM_{3} 7 13.8 204°.26 0°.3/13.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 0.44	−19 10.5	1.955	2.817	13.1	21.7
6 20	19 54.52	−19 33.2	1.875	2.813	9.8	21.4
6 30	19 46.44	−20 2.2	1.818	2.808	5.9	21.2
7 10	19 36.90	−20 34.4	1.788	2.802	1.7	20.9
7 20	19 26.81	−21 6.8	1.785	2.796	2.7	21.0
7 30	19 17.25	−21 36.4	1.810	2.789	6.8	21.2
8 9	19 9.21	−22 1.5	1.861	2.782	10.7	21.4
8 19	19 3.40	−22 21.3	1.934	2.774	14.0	21.6

129341 2005 UR_{131} 7 13.8 316.°70 1.°6/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 54.00	−14 18.4	1.880	2.746	13.4	19.0
6 20	19 49.93	−14 58.9	1.791	2.729	10.2	18.8
6 30	19 43.80	−15 52.3	1.724	2.712	6.4	18.5
7 10	19 36.19	−16 55.7	1.683	2.695	2.6	18.3
7 20	19 27.94	−18 5.4	1.668	2.679	2.9	18.2
7 30	19 20.04	−19 16.6	1.680	2.663	6.9	18.5
8 9	19 13.48	−20 24.8	1.718	2.648	10.9	18.7
8 19	19 9.03	−21 27.0	1.778	2.633	14.4	18.9

383303 2006 GV_{37} 7 13.8 174.°82 4.°2/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 2.83	−30 10.3	2.329	3.189	11.4	20.7
6 20	19 56.26	−31 47.5	2.259	3.192	8.6	20.5
6 30	19 47.51	−33 24.5	2.214	3.194	5.8	20.3
7 10	19 37.22	−34 54.8	2.198	3.196	4.2	20.2
7 20	19 26.27	−36 12.4	2.211	3.197	5.3	20.3
7 30	19 15.73	−37 13.4	2.253	3.197	8.0	20.5
8 9	19 6.62	−37 56.8	2.321	3.197	10.8	20.6
8 19	18 59.69	−38 24.2	2.412	3.196	13.2	20.8

338798 2003 UV_{378} 7 13.8 222.°86 4.°1/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 1.06	−31 50.6	2.098	2.965	12.2	21.8
6 20	19 55.04	−32 32.3	2.023	2.959	9.2	21.6
6 30	19 46.78	−33 10.7	1.971	2.953	6.2	21.4
7 10	19 37.01	−33 40.9	1.945	2.946	4.2	21.3
7 20	19 26.71	−33 58.9	1.946	2.939	5.1	21.3
7 30	19 17.01	−34 2.8	1.974	2.932	8.0	21.5
8 9	19 8.95	−33 53.2	2.027	2.924	11.1	21.7
8 19	19 3.23	−33 32.6	2.102	2.916	13.9	21.8

308650 2006 BP_{32} 7 13.8 5.°51 3.°3/15.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 55.00	−12 36.0	1.064	1.956	19.4	19.6
6 20	19 51.62	−12 58.4	1.006	1.956	14.8	19.3
6 30	19 45.17	−13 40.9	0.966	1.956	9.6	19.0
7 10	19 36.62	−14 40.7	0.946	1.957	4.6	18.7
7 20	19 27.35	−15 52.1	0.949	1.959	4.5	18.7
7 30	19 18.98	−17 7.6	0.974	1.963	9.6	19.0
8 9	19 12.98	−18 20.3	1.020	1.967	14.7	19.3
8 19	19 10.23	−19 25.2	1.084	1.972	19.2	19.6

350561 2000 UR_{64} 7 13.8 295.°79 2.°1/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 58.40	−16 54.8	1.643	2.514	14.8	20.9
6 20	19 53.56	−16 40.7	1.546	2.487	11.3	20.6
6 30	19 46.18	−16 33.6	1.471	2.459	7.2	20.3
7 10	19 36.93	−16 32.8	1.420	2.431	3.0	20.0
7 20	19 26.80	−16 36.7	1.394	2.404	3.6	20.0
7 30	19 17.06	−16 43.7	1.394	2.376	8.1	20.2
8 9	19 8.94	−16 52.2	1.418	2.348	12.7	20.4
8 19	19 3.36	−17 0.9	1.462	2.321	16.7	20.5

103768 2000 DO 7 13.8 155.°49 3.°1/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 1.07	−30 21.4	2.357	3.219	11.2	20.7
6 20	19 54.66	−30 48.9	2.290	3.225	8.4	20.5
6 30	19 46.36	−31 13.4	2.247	3.231	5.4	20.3
7 10	19 36.87	−31 31.2	2.231	3.237	3.2	20.2
7 20	19 27.06	−31 39.5	2.244	3.242	4.0	20.3
7 30	19 17.88	−31 37.2	2.284	3.247	6.8	20.5
8 9	19 10.17	−31 25.0	2.351	3.251	9.7	20.6
8 19	19 4.53	−31 4.6	2.440	3.255	12.2	20.8

268869 2006 YN_{49} 7 13.8 238.°98 1.°2/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 2.04	−24 25.6	1.833	2.703	13.5	21.3
6 20	19 55.92	−24 34.1	1.750	2.692	10.1	21.0
6 30	19 47.40	−24 43.8	1.689	2.680	6.1	20.8
7 10	19 37.22	−24 51.2	1.655	2.669	2.0	20.5
7 20	19 26.43	−24 53.5	1.647	2.656	3.2	20.5
7 30	19 16.25	−24 49.3	1.666	2.644	7.5	20.8
8 9	19 7.79	−24 38.4	1.711	2.630	11.5	21.0
8 19	19 1.84	−24 22.1	1.777	2.617	15.0	21.2

429392 2010 PU_{78} 7 13.8 311.°71 0.°3/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 56.26	−19 55.9	1.179	2.076	17.5	21.0
6 20	19 52.90	−20 24.9	1.092	2.048	13.2	20.6
6 30	19 46.27	−21 5.6	1.023	2.019	8.1	20.2
7 10	19 37.06	−21 54.1	0.976	1.991	2.3	19.8
7 20	19 26.53	−22 44.6	0.952	1.964	3.9	19.8
7 30	19 16.41	−23 31.0	0.951	1.937	10.1	20.1
8 9	19 8.49	−24 9.1	0.970	1.911	15.9	20.3
8 19	19 4.02	−24 37.1	1.006	1.886	20.9	20.5

43692 2160 P–L 7 13.8 322.°41 4.°4/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 55.77	−13 44.0	1.202	2.088	18.0	18.4
6 20	19 52.13	−13 13.4	1.124	2.070	14.0	18.1
6 30	19 45.53	−12 55.2	1.066	2.053	9.4	17.8
7 10	19 36.78	−12 50.0	1.029	2.037	5.2	17.5
7 20	19 27.12	−12 57.3	1.014	2.021	5.4	17.5
7 30	19 18.11	−13 14.8	1.022	2.007	9.9	17.7
8 9	19 11.21	−13 39.3	1.051	1.993	14.9	17.9
8 19	19 7.42	−14 7.2	1.098	1.980	19.3	18.2

304723 2006 XR_{23} 7 13.8 67.°02 7.°2/16.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 56.51	− 1 24.9	2.103	2.910	14.3	20.3
6 20	19 51.15	− 0 36.6	2.051	2.932	11.8	20.2
6 30	19 44.18	− 0 4.5	2.020	2.955	9.4	20.1
7 10	19 36.26	+ 0 9.8	2.014	2.977	7.6	20.0
7 20	19 28.15	+ 0 6.4	2.033	2.999	7.3	20.1
7 30	19 20.66	− 0 13.1	2.077	3.021	8.6	20.2
8 9	19 14.49	− 0 45.4	2.146	3.043	10.6	20.3
8 19	19 10.13	− 1 26.5	2.238	3.065	12.8	20.5

34664 2000 WW_{182} 7 13.8 185.°62 1.°6/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 57.77	−13 48.9	1.848	2.706	13.9	18.4
6 20	19 52.64	−14 40.0	1.773	2.706	10.5	18.2
6 30	19 45.38	−15 44.0	1.720	2.706	6.6	17.9
7 10	19 36.67	−16 57.7	1.694	2.706	2.6	17.7
7 20	19 27.40	−18 16.1	1.695	2.705	2.9	17.7
7 30	19 18.63	−19 33.9	1.723	2.705	6.9	18.0
8 9	19 11.36	−20 46.9	1.778	2.704	10.8	18.2
8 19	19 6.28	−21 52.0	1.855	2.703	14.2	18.4

167257 2003 UG_{118} 7 13.8 113.°08 1.°0/13.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 59.72	−24 0.1	1.899	2.770	13.0	20.0
6 20	19 53.95	−24 10.9	1.832	2.775	9.6	19.8
6 30	19 46.06	−24 23.1	1.788	2.780	5.8	19.5
7 10	19 36.83	−24 33.6	1.770	2.784	1.8	19.3
7 20	19 27.22	−24 39.9	1.779	2.789	3.0	19.4
7 30	19 18.31	−24 40.6	1.816	2.793	6.9	19.6
8 9	19 11.07	−24 35.4	1.877	2.798	10.6	19.9
8 19	19 6.11	−24 25.2	1.960	2.802	13.8	20.1

43456 2000 YG_{117} 7 13.8 268.°37 1.°3/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 0.17	−21 42.5	1.560	2.439	15.0	18.9
6 20	19 55.07	−22 30.2	1.475	2.422	11.2	18.7
6 30	19 47.19	−23 26.0	1.411	2.404	6.8	18.4
7 10	19 37.27	−24 24.8	1.372	2.386	2.1	18.0
7 20	19 26.40	−25 20.8	1.359	2.368	3.7	18.1
7 30	19 16.01	−26 8.8	1.371	2.350	8.6	18.3
8 9	19 7.46	−26 45.9	1.408	2.331	13.2	18.6
8 19	19 1.73	−27 11.8	1.464	2.313	17.2	18.8

252876 2002 JN_{53} 7 13.8 55.°14 4.°8/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 58.87	−34 35.2	2.194	3.061	11.7	19.7
6 20	19 53.30	−35 21.5	2.133	3.067	9.0	19.6
6 30	19 45.67	−36 2.4	2.097	3.073	6.4	19.4
7 10	19 36.73	−36 33.0	2.086	3.079	4.9	19.4
7 20	19 27.42	−36 49.9	2.101	3.086	5.7	19.4
7 30	19 18.79	−36 51.7	2.144	3.092	8.0	19.6
8 9	19 11.75	−36 39.5	2.210	3.099	10.7	19.8
8 19	19 6.93	−36 15.7	2.298	3.106	13.1	19.9

177438 2004 CK_{94} 7 13.8 71.°64 1.°3/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 1.21	−23 4.3	1.453	2.335	15.7	19.9
6 20	19 55.47	−23 31.6	1.402	2.350	11.5	19.7
6 30	19 47.12	−24 2.5	1.371	2.365	6.9	19.5
7 10	19 37.14	−24 32.2	1.365	2.380	2.1	19.2
7 20	19 26.80	−24 56.6	1.385	2.395	3.6	19.3
7 30	19 17.47	−25 13.1	1.430	2.410	8.2	19.7
8 9	19 10.28	−25 21.0	1.498	2.425	12.4	19.9
8 19	19 5.92	−25 21.3	1.587	2.439	15.9	20.2

232645 2003 UG_{372} 7 13.8 129.°26 2.°9/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 59.83	−13 23.4	2.237	3.080	12.4	20.9
6 20	19 53.58	−13 2.6	2.172	3.095	9.4	20.8
6 30	19 45.65	−12 49.3	2.131	3.109	6.2	20.6
7 10	19 36.70	−12 43.1	2.117	3.122	3.4	20.4
7 20	19 27.51	−12 43.0	2.131	3.135	3.5	20.5
7 30	19 18.93	−12 48.1	2.173	3.147	6.3	20.7
8 9	19 11.70	−12 56.7	2.242	3.159	9.3	20.9
8 19	19 6.35	−13 7.6	2.334	3.171	12.0	21.1

332507 2008 GE_{51} 7 13.8 84.°83 0.°7/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	20 0.49	−18 28.3	1.533	2.407	15.5	21.4
6 20	19 54.78	−18 46.0	1.478	2.421	11.5	21.2
6 30	19 46.66	−19 11.5	1.445	2.436	6.9	20.9
7 10	19 37.02	−19 41.3	1.436	2.450	2.1	20.7
7 20	19 27.01	−20 11.8	1.453	2.464	3.0	20.8
7 30	19 17.89	−20 39.9	1.496	2.478	7.6	21.1
8 9	19 10.74	−21 3.6	1.563	2.492	11.8	21.4
8 19	19 6.22	−21 22.1	1.651	2.506	15.3	21.6

130084 1999 WM_{16} 7 13.8 258.°18 3.°0/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 10	19 57.36	−13 32.2	1.911	2.767	13.6	20.8
6 20	19 52.25	−13 21.2	1.829	2.760	10.4	20.6
6 30	19 45.11	−13 19.4	1.771	2.752	6.9	20.4
7 10	19 36.61	−13 26.3	1.737	2.744	3.6	20.1
7 20	19 27.60	−13 40.5	1.730	2.737	3.7	20.1
7 30	19 19.09	−14 0.1	1.750	2.729	7.1	20.3
8 9	19 12.02	−14 22.8	1.795	2.721	10.7	20.5
8 19	19 7.05	−14 46.6	1.862	2.713	14.0	20.7

291416 2006 DX_9 7 13.8 106°.48 7°.0/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 4.64	−38 47.6	1.794	2.657	14.1	20.4
6 20	19 58.08	−39 34.5	1.734	2.660	11.2	20.2
6 30	19 48.74	−40 11.2	1.697	2.663	8.5	20.1
7 10	19 37.63	−40 31.0	1.683	2.666	7.0	20.0
7 20	19 26.05	−40 29.8	1.695	2.669	7.8	20.0
7 30	19 15.48	−40 6.7	1.732	2.671	10.2	20.2
8 9	19 7.14	−39 24.9	1.792	2.674	13.1	20.4
8 19	19 1.77	−38 29.6	1.872	2.677	15.8	20.6

293284 2007 CD_{60} 7 13.8 86°.72 0°.1/13.8 18

6 10	19 57.25	−21 59.1	2.307	3.172	11.3	20.2
6 20	19 51.80	−21 55.5	2.236	3.175	8.3	20.0
6 30	19 44.65	−21 53.9	2.188	3.179	5.0	19.8
7 10	19 36.45	−21 52.5	2.168	3.182	1.4	19.6
7 20	19 27.95	−21 49.8	2.175	3.186	2.3	19.7
7 30	19 20.01	−21 44.9	2.210	3.190	5.8	19.9
8 9	19 13.37	−21 37.5	2.272	3.193	9.0	20.1
8 19	19 8.57	−21 27.7	2.357	3.197	11.8	20.3

392021 2009 AW_{50} 7 13.8 235°.50 0°.7/13.5 18

6 10	19 57.58	−21 23.3	2.056	2.925	12.3	21.7
6 20	19 52.40	−21 58.7	1.978	2.919	9.1	21.5
6 30	19 45.21	−22 39.1	1.922	2.914	5.5	21.3
7 10	19 36.66	−23 21.1	1.894	2.908	1.6	21.0
7 20	19 27.59	−24 0.9	1.892	2.902	2.7	21.1
7 30	19 19.00	−24 35.7	1.919	2.896	6.6	21.3
8 9	19 11.82	−25 3.6	1.970	2.890	10.2	21.5
8 19	19 6.72	−25 24.1	2.045	2.884	13.4	21.7

262969 2007 DN_{116} 7 13.8 121°.11 5°.1/11.3 18

6 10	19 59.24	−36 6.9	2.374	3.235	11.1	20.3
6 20	19 53.54	−36 59.5	2.310	3.237	8.7	20.2
6 30	19 45.83	−37 46.2	2.269	3.240	6.4	20.0
7 10	19 36.82	−38 22.2	2.255	3.243	5.2	19.9
7 20	19 27.40	−38 44.0	2.268	3.245	5.9	20.0
7 30	19 18.58	−38 50.0	2.308	3.247	8.0	20.1
8 9	19 11.25	−38 41.2	2.372	3.250	10.5	20.3
8 19	19 6.06	−38 19.9	2.457	3.252	12.7	20.5

179412 2001 YB_{161} 7 13.8 215°.19 0°.1/13.9 18

6 10	19 56.45	−19 35.2	2.575	3.432	10.5	21.2
6 20	19 51.19	−20 3.0	2.490	3.426	7.8	21.0
6 30	19 44.34	−20 35.5	2.430	3.419	4.7	20.8
7 10	19 36.41	−21 10.4	2.398	3.412	1.3	20.5
7 20	19 28.07	−21 45.2	2.394	3.404	2.1	20.6
7 30	19 20.09	−22 17.6	2.419	3.396	5.5	20.8
8 9	19 13.19	−22 45.9	2.471	3.388	8.5	21.0
8 19	19 7.94	−23 9.4	2.546	3.380	11.2	21.2

282435 2003 WY_{161} 7 13.8 267°.67 8°.6/16.3 18

6 10	19 56.62	+ 0 24.3	2.038	2.838	14.9	20.4
6 20	19 51.62	+ 1 26.5	1.952	2.825	12.7	20.3
6 30	19 44.74	+ 2 12.8	1.887	2.812	10.5	20.1
7 10	19 36.55	+ 2 40.0	1.846	2.799	8.9	20.0
7 20	19 27.83	+ 2 46.4	1.829	2.785	8.7	19.9
7 30	19 19.48	+ 2 32.3	1.837	2.772	10.1	20.0
8 9	19 12.39	+ 2 0.5	1.868	2.758	12.3	20.1
8 19	19 7.21	+ 1 15.2	1.921	2.744	14.7	20.2

296278 2009 DD_{57} 7 13.8 109°.04 2°.9/13.0 17

6 10	20 2.52	−26 34.1	1.377	2.262	16.2	20.8
6 20	19 56.87	−27 4.9	1.314	2.263	12.1	20.6
6 30	19 48.21	−27 36.4	1.271	2.264	7.4	20.3
7 10	19 37.56	−28 2.8	1.253	2.265	3.3	20.1
7 20	19 26.28	−28 19.1	1.259	2.265	4.7	20.2
7 30	19 15.97	−28 22.9	1.289	2.266	9.3	20.4
8 9	19 8.00	−28 14.6	1.343	2.267	13.7	20.7
8 19	19 3.19	−27 56.8	1.416	2.268	17.5	21.0

199115 2005 YV_{60} 7 13.8 62°.17 0°.2/13.9 17

6 10	19 59.84	−20 53.5	1.571	2.449	15.0	20.6
6 20	19 54.35	−20 57.9	1.511	2.457	11.1	20.3
6 30	19 46.45	−21 7.0	1.472	2.464	6.7	20.1
7 10	19 37.03	−21 17.9	1.458	2.472	1.9	19.8
7 20	19 27.20	−21 27.8	1.469	2.481	3.0	19.9
7 30	19 18.22	−21 34.8	1.506	2.489	7.6	20.2
8 9	19 11.16	−21 38.1	1.568	2.497	11.7	20.5
8 19	19 6.70	−21 37.6	1.650	2.506	15.3	20.7

443048 2013 EK_{109} 7 13.8 173°.21 2°.0/14.8 18

6 10	19 55.17	−14 2.9	2.550	3.397	10.9	21.3
6 20	19 50.16	−14 8.8	2.472	3.399	8.3	21.1
6 30	19 43.67	−14 22.0	2.419	3.400	5.3	20.9
7 10	19 36.23	−14 41.3	2.393	3.401	2.6	20.7
7 20	19 28.47	−15 5.2	2.394	3.402	2.7	20.7
7 30	19 21.11	−15 31.8	2.424	3.402	5.4	20.9
8 9	19 14.82	−15 59.2	2.481	3.402	8.3	21.1
8 19	19 10.09	−16 25.9	2.562	3.403	11.0	21.3

522983 2016 PV_{118} 7 13.8 138°.71 2°.5/12.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 0.01	−26 2.0	1.926	2.798	12.9	21.9
6 20	19 54.30	−26 52.9	1.861	2.804	9.5	21.7
6 30	19 46.39	−27 45.3	1.819	2.809	5.9	21.5
7 10	19 37.03	−28 34.1	1.804	2.814	2.8	21.3
7 20	19 27.19	−29 14.9	1.815	2.819	4.0	21.4
7 30	19 18.00	−29 44.7	1.854	2.824	7.5	21.6
8 9	19 10.46	−30 2.9	1.918	2.828	11.0	21.9
8 19	19 5.26	−30 10.4	2.003	2.833	14.0	22.1

155115 2005 TR_{46} 7 13.8 302°.19 0°.8/14.1 18

6 10	19 55.69	−18 32.7	1.999	2.867	12.6	20.0
6 20	19 51.13	−18 42.9	1.906	2.847	9.5	19.8
6 30	19 44.55	−18 59.5	1.836	2.826	5.8	19.5
7 10	19 36.54	−19 20.4	1.792	2.806	1.9	19.2
7 20	19 27.92	−19 43.4	1.775	2.786	2.6	19.3
7 30	19 19.67	−20 6.0	1.784	2.766	6.7	19.5
8 9	19 12.76	−20 26.4	1.818	2.746	10.5	19.7
8 19	19 7.90	−20 43.4	1.875	2.726	13.9	19.8

65779 1995 SV_{50} 7 13.8 281°.61 1°.4/13.4 18

6 10	20 0.83	−23 36.7	1.553	2.432	15.0	19.7
6 20	19 55.62	−23 56.9	1.463	2.410	11.2	19.4
6 30	19 47.58	−24 21.0	1.395	2.388	6.9	19.1
7 10	19 37.46	−24 44.7	1.351	2.366	2.2	18.8
7 20	19 26.39	−25 3.9	1.333	2.343	3.7	18.8
7 30	19 15.82	−25 15.3	1.340	2.320	8.7	19.1
8 9	19 7.16	−25 18.1	1.371	2.297	13.4	19.3
8 19	19 1.37	−25 13.0	1.422	2.274	17.5	19.5

509326 2006 WL_{138} 7 13.8 258°.00 2°.0/13.1 18

6 10	20 1.96	−25 5.7	1.792	2.664	13.7	22.9
6 20	19 56.16	−25 37.8	1.701	2.644	10.2	22.6
6 30	19 47.76	−26 12.6	1.633	2.624	6.3	22.3
7 10	19 37.48	−26 45.5	1.590	2.603	2.5	22.1
7 20	19 26.37	−27 12.1	1.574	2.582	3.8	22.1
7 30	19 15.71	−27 29.2	1.585	2.560	8.1	22.3
8 9	19 6.76	−27 35.9	1.621	2.537	12.3	22.5
8 19	19 0.41	−27 33.3	1.678	2.514	15.9	22.7

365574 2010 TB_{101} 7 13.8 253°.62 4°.8/15.6 17

6 10	19 55.73	− 5 52.7	2.790	3.603	11.0	20.8
6 20	19 50.55	− 5 19.7	2.690	3.584	8.9	20.6
6 30	19 43.93	− 4 56.1	2.614	3.564	6.8	20.5
7 10	19 36.33	− 4 42.8	2.564	3.544	5.1	20.3
7 20	19 28.33	− 4 40.2	2.541	3.524	5.0	20.3
7 30	19 20.58	− 4 47.7	2.547	3.503	6.6	20.4
8 9	19 13.72	− 5 3.8	2.579	3.481	8.9	20.5
8 19	19 8.28	− 5 26.4	2.635	3.459	11.2	20.6

438950 2010 KS_{35} 7 13.8 77°.71 5°.4/16.3 17

6 10	19 56.85	− 6 19.5	1.818	2.655	15.0	21.2
6 20	19 51.76	− 6 12.8	1.759	2.670	11.9	21.0
6 30	19 44.75	− 6 22.2	1.721	2.684	8.7	20.8
7 10	19 36.55	− 6 47.4	1.707	2.699	6.0	20.7
7 20	19 28.04	− 7 26.5	1.719	2.713	5.6	20.7
7 30	19 20.18	− 8 16.1	1.757	2.727	7.8	20.9
8 9	19 13.82	− 9 12.1	1.820	2.742	10.8	21.1
8 19	19 9.54	−10 10.1	1.905	2.756	13.7	21.3

436305 2010 EN_{68} 7 13.8 201°.06 0°.2/13.9 17

6 10	19 57.73	−19 22.4	1.912	2.781	13.1	21.4
6 20	19 52.58	−19 48.0	1.839	2.780	9.7	21.2
6 30	19 45.35	−20 19.9	1.789	2.780	5.9	20.9
7 10	19 36.76	−20 55.2	1.764	2.779	1.7	20.7
7 20	19 27.68	−21 30.5	1.767	2.778	2.6	20.7
7 30	19 19.16	−22 2.9	1.796	2.777	6.7	21.0
8 9	19 12.15	−22 30.3	1.851	2.776	10.5	21.2
8 19	19 7.31	−22 52.0	1.928	2.775	13.8	21.4

282294 2002 QN_5 7 13.8 305°.24 3°.2/14.8 18

6 10	19 56.99	−13 52.4	1.803	2.665	14.1	20.1
6 20	19 52.11	−13 29.9	1.723	2.656	10.8	19.9
6 30	19 45.11	−13 16.1	1.665	2.647	7.2	19.6
7 10	19 36.70	−13 11.0	1.632	2.639	3.9	19.4
7 20	19 27.76	−13 13.6	1.625	2.631	4.0	19.4
7 30	19 19.37	−13 22.5	1.644	2.623	7.4	19.6
8 9	19 12.47	−13 35.9	1.687	2.615	11.2	19.8
8 19	19 7.78	−13 51.7	1.752	2.607	14.6	20.0

439234 2012 TG_{132} 7 13.8 279°.76 3°.3/12.4 18

6 10	19 58.95	−28 9.6	1.878	2.753	13.0	21.0
6 20	19 53.71	−28 57.4	1.804	2.748	9.7	20.8
6 30	19 46.15	−29 45.3	1.753	2.742	6.2	20.6
7 10	19 37.01	−30 28.3	1.728	2.736	3.4	20.4
7 20	19 27.27	−31 1.7	1.730	2.731	4.6	20.5
7 30	19 18.14	−31 22.6	1.757	2.725	8.1	20.7
8 9	19 10.67	−31 30.7	1.810	2.719	11.6	20.9
8 19	19 5.63	−31 27.3	1.883	2.714	14.7	21.1

350173 2011 UL_{96} 7 13.8 69°.23 0°.2/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 57.18	−21 8.3	2.042	2.912	12.4	21.1
6 20	19 52.01	−21 23.6	1.973	2.915	9.1	20.9
6 30	19 44.93	−21 42.8	1.927	2.918	5.5	20.7
7 10	19 36.62	−22 3.2	1.906	2.921	1.5	20.4
7 20	19 27.93	−22 22.4	1.914	2.924	2.5	20.5
7 30	19 19.83	−22 38.3	1.948	2.928	6.4	20.8
8 9	19 13.16	−22 49.7	2.008	2.931	9.9	21.0
8 19	19 8.53	−22 56.6	2.090	2.935	12.9	21.2

334023 2000 WV_{115} 7 13.8 232°.50 1°.7/14.4 18

6 10	19 59.96	−17 5.3	2.214	3.067	12.1	21.7
6 20	19 54.01	−16 53.0	2.123	3.055	9.2	21.5
6 30	19 46.15	−16 45.7	2.057	3.042	5.8	21.2
7 10	19 36.99	−16 42.5	2.017	3.028	2.4	21.0
7 20	19 27.33	−16 42.1	2.005	3.014	2.8	21.0
7 30	19 18.10	−16 43.6	2.021	2.999	6.3	21.2
8 9	19 10.17	−16 45.8	2.064	2.984	9.8	21.4
8 19	19 4.19	−16 48.2	2.130	2.968	13.0	21.6

159260 2005 YK_{174} 7 13.8 201°.82 1°.8/12.9 18

6 10	19 57.01	−27 9.5	2.815	3.677	9.6	21.2
6 20	19 51.52	−27 33.8	2.736	3.673	7.1	21.0
6 30	19 44.50	−27 57.6	2.682	3.670	4.4	20.9
7 10	19 36.49	−28 18.2	2.655	3.666	2.0	20.7
7 20	19 28.15	−28 33.4	2.657	3.661	2.9	20.7
7 30	19 20.21	−28 41.8	2.688	3.657	5.6	20.9
8 9	19 13.36	−28 43.2	2.746	3.652	8.2	21.1
8 19	19 8.12	−28 38.1	2.827	3.647	10.6	21.2

96839 1999 RW_{202} 7 13.8 227°.66 1°.9/13.3 18

6 10	20 2.18	−27 21.6	2.163	3.026	12.0	20.0
6 20	19 55.74	−27 26.7	2.079	3.017	8.9	19.8
6 30	19 47.20	−27 30.0	2.019	3.007	5.5	19.6
7 10	19 37.28	−27 28.5	1.986	2.997	2.3	19.3
7 20	19 26.89	−27 20.0	1.980	2.987	3.3	19.4
7 30	19 17.07	−27 3.4	2.003	2.976	6.8	19.6
8 9	19 8.79	−26 39.7	2.052	2.965	10.3	19.8
8 19	19 2.72	−26 10.6	2.124	2.953	13.3	20.0

403884 2011 WD_{105} 7 13.8 145°.90 1°.5/12.9 18

6 10	19 56.85	−23 46.1	2.401	3.267	10.9	21.1
6 20	19 51.61	−24 35.5	2.330	3.271	8.0	20.9
6 30	19 44.65	−25 27.6	2.284	3.274	4.8	20.7
7 10	19 36.55	−26 18.8	2.265	3.278	1.8	20.5
7 20	19 28.06	−27 5.5	2.275	3.282	2.9	20.6
7 30	19 20.02	−27 45.0	2.313	3.285	6.1	20.8
8 9	19 13.20	−28 15.9	2.377	3.288	9.1	21.0
8 19	19 8.20	−28 38.1	2.465	3.291	11.8	21.2

244442 2002 RJ_{53} 7 13.8 308°.11 1°.2/14.3 18

6 10	19 55.90	−16 55.1	1.743	2.615	14.0	20.2
6 20	19 51.50	−17 17.5	1.661	2.602	10.5	19.9
6 30	19 44.86	−17 49.5	1.600	2.590	6.5	19.7
7 10	19 36.67	−18 28.6	1.564	2.577	2.3	19.4
7 20	19 27.83	−19 11.3	1.554	2.565	2.9	19.4
7 30	19 19.46	−19 54.1	1.570	2.553	7.3	19.6
8 9	19 12.62	−20 33.9	1.610	2.541	11.4	19.9
8 19	19 8.09	−21 8.6	1.672	2.530	15.0	20.1

446523 2014 LT_{11} 7 13.8 21°.16 0°.3/13.9 18

6 10	19 55.50	−19 55.0	1.869	2.744	13.1	20.7
6 20	19 50.90	−20 7.1	1.805	2.749	9.7	20.5
6 30	19 44.31	−20 24.4	1.763	2.754	5.8	20.3
7 10	19 36.47	−20 44.5	1.746	2.761	1.7	20.0
7 20	19 28.26	−21 4.7	1.756	2.767	2.6	20.1
7 30	19 20.69	−21 22.8	1.792	2.774	6.6	20.4
8 9	19 14.62	−21 37.3	1.853	2.781	10.3	20.6
8 19	19 10.68	−21 47.8	1.936	2.789	13.4	20.8

308960 2006 TL_{46} 7 13.8 282°.93 2°.9/14.9 18

6 10	19 55.85	−13 6.1	2.078	2.931	12.8	21.2
6 20	19 51.06	−12 57.7	1.993	2.921	9.8	21.0
6 30	19 44.41	−12 58.4	1.931	2.911	6.5	20.7
7 10	19 36.52	−13 7.6	1.895	2.901	3.5	20.5
7 20	19 28.15	−13 23.9	1.885	2.891	3.6	20.5
7 30	19 20.21	−13 45.5	1.903	2.881	6.7	20.7
8 9	19 13.54	−14 10.3	1.945	2.871	10.1	20.9
8 19	19 8.79	−14 36.2	2.011	2.861	13.2	21.1

144292 2004 CX_{116} 7 13.8 57°.28 0°.4/13.7 17

6 10	19 59.91	−20 33.2	1.364	2.249	16.4	20.4
6 20	19 54.69	−21 1.9	1.312	2.261	12.1	20.2
6 30	19 46.79	−21 37.5	1.280	2.274	7.2	19.9
7 10	19 37.19	−22 15.3	1.273	2.288	2.0	19.7
7 20	19 27.17	−22 50.8	1.290	2.301	3.3	19.8
7 30	19 18.14	−23 20.3	1.332	2.315	8.3	20.1
8 9	19 11.27	−23 42.0	1.397	2.329	12.7	20.4
8 19	19 7.28	−23 56.0	1.482	2.343	16.4	20.7

338607 2003 SQ_{189} 7 13.8 345°.73 9°.4/16.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 53.00	− 2 24.2	1.374	2.221	18.4	20.2
6 20	19 49.63	− 1 27.5	1.304	2.212	15.4	19.9
6 30	19 43.85	− 0 52.1	1.252	2.204	12.4	19.7
7 10	19 36.41	− 0 41.7	1.220	2.196	10.0	19.6
7 20	19 28.33	− 0 57.6	1.211	2.190	9.6	19.5
7 30	19 20.86	− 1 38.0	1.223	2.185	11.4	19.6
8 9	19 15.13	− 2 37.3	1.257	2.180	14.5	19.8
8 19	19 11.95	− 3 48.6	1.310	2.177	17.7	20.0

196208 2003 BG_{20} 7 13.8 163°.50 4°.8/12.3 18

6 10	20 5.15	−30 8.7	1.436	2.316	15.9	20.3
6 20	19 58.88	−31 2.8	1.374	2.319	12.1	20.0
6 30	19 49.50	−31 54.8	1.334	2.322	7.9	19.8
7 10	19 38.01	−32 36.9	1.318	2.324	4.9	19.6
7 20	19 25.85	−33 3.1	1.327	2.326	6.2	19.7
7 30	19 14.70	−33 10.5	1.361	2.327	10.1	20.0
8 9	19 5.98	−33 0.6	1.418	2.328	14.1	20.2
8 19	19 0.55	−32 37.2	1.494	2.329	17.6	20.4

360671 2004 RV_{177} 7 13.8 300°.13 8°.7/17.4 18

6 10	19 53.50	+ 3 11.2	2.190	2.977	14.4	20.5
6 20	19 49.30	+ 3 52.7	2.097	2.957	12.5	20.3
6 30	19 43.38	+ 4 16.3	2.024	2.937	10.5	20.1
7 10	19 36.25	+ 4 19.3	1.974	2.917	9.1	20.0
7 20	19 28.59	+ 4 0.6	1.948	2.897	8.8	20.0
7 30	19 21.22	+ 3 21.2	1.946	2.877	9.8	20.0
8 9	19 14.94	+ 2 24.4	1.968	2.858	11.8	20.1
8 19	19 10.38	+ 1 15.0	2.012	2.838	14.0	20.2

255468 2005 YJ_{112} 7 13.8 166°.09 0°.2/13.7 18

6 10	19 55.56	−20 45.7	2.671	3.531	10.1	21.0
6 20	19 50.47	−21 11.1	2.596	3.533	7.4	20.9
6 30	19 43.89	−21 40.0	2.546	3.535	4.4	20.7
7 10	19 36.36	−22 10.1	2.523	3.537	1.2	20.4
7 20	19 28.51	−22 39.2	2.528	3.539	2.1	20.5
7 30	19 21.06	−23 5.2	2.563	3.540	5.2	20.7
8 9	19 14.67	−23 27.1	2.624	3.542	8.1	20.9
8 19	19 9.85	−23 44.2	2.710	3.543	10.6	21.1

258527 2002 BL 7 13.8 245°.59 3°.1/12.9 17

6 10	20 4.01	−27 38.9	1.572	2.449	15.0	21.5
6 20	19 57.95	−28 9.0	1.492	2.437	11.3	21.2
6 30	19 48.95	−28 39.1	1.434	2.424	7.1	20.9
7 10	19 37.89	−29 3.5	1.401	2.411	3.4	20.7
7 20	19 26.01	−29 17.3	1.393	2.398	4.8	20.7
7 30	19 14.82	−29 17.9	1.411	2.384	9.1	20.9
8 9	19 5.73	−29 5.8	1.452	2.369	13.4	21.2
8 19	18 59.67	−28 43.7	1.514	2.354	17.2	21.4

284425 2007 BG_{68} 7 13.8 204°.78 0°.2/13.9 17

6 10	20 0.23	−19 35.9	1.963	2.826	13.0	22.3
6 20	19 54.44	−19 57.5	1.884	2.822	9.7	22.1
6 30	19 46.52	−20 24.9	1.828	2.818	5.9	21.8
7 10	19 37.15	−20 55.2	1.798	2.813	1.7	21.5
7 20	19 27.25	−21 25.3	1.796	2.807	2.6	21.6
7 30	19 17.88	−21 52.4	1.822	2.801	6.8	21.8
8 9	19 10.01	−22 14.9	1.873	2.794	10.6	22.1
8 19	19 4.36	−22 32.2	1.946	2.787	13.9	22.3

225141 2008 FX_{102} 7 13.8 304°.97 2°.8/14.9 18

6 10	19 56.63	−13 30.7	1.463	2.336	16.1	20.3
6 20	19 52.41	−13 47.2	1.383	2.323	12.4	20.1
6 30	19 45.60	−14 18.3	1.324	2.310	8.1	19.8
7 10	19 36.95	−15 2.2	1.288	2.298	3.8	19.5
7 20	19 27.52	−15 55.2	1.276	2.286	3.8	19.5
7 30	19 18.62	−16 52.6	1.290	2.274	8.3	19.7
8 9	19 11.50	−17 49.7	1.326	2.262	12.9	19.9
8 19	19 7.06	−18 42.8	1.383	2.251	17.0	20.2

509542 2008 AG_{61} 7 13.8 172°.78 1°.8/14.8 18

6 10	19 56.00	−13 52.6	2.321	3.171	11.7	21.9
6 20	19 50.97	−14 20.2	2.244	3.172	8.9	21.8
6 30	19 44.28	−14 57.0	2.191	3.173	5.7	21.6
7 10	19 36.50	−15 41.1	2.164	3.174	2.5	21.4
7 20	19 28.33	−16 29.5	2.166	3.175	2.6	21.4
7 30	19 20.58	−17 19.5	2.196	3.175	5.8	21.6
8 9	19 13.99	−18 8.1	2.252	3.176	9.0	21.8
8 19	19 9.14	−18 53.3	2.333	3.176	11.8	22.0

478543 2012 TK_{22} 7 13.9 217°.44 6°.1/16.5 17

6 10	19 56.64	− 2 40.4	2.375	3.181	12.9	22.2
6 20	19 51.41	− 2 14.9	2.289	3.173	10.6	22.0
6 30	19 44.55	− 2 3.2	2.224	3.165	8.3	21.8
7 10	19 36.59	− 2 6.5	2.185	3.157	6.5	21.7
7 20	19 28.20	− 2 24.8	2.172	3.147	6.2	21.7
7 30	19 20.17	− 2 56.6	2.186	3.138	7.7	21.7
8 9	19 13.23	− 3 39.0	2.226	3.128	10.1	21.9
8 19	19 7.95	− 4 28.5	2.288	3.117	12.5	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
216861 2008 BF_{35}			7 13.9 322.°53		0.°6/14.1 18	
	h m	° ′			°	m
6 10	19 55.97	−19 7.0	1.971	2.841	12.7	20.4
6 20	19 51.27	−19 19.5	1.894	2.835	9.5	20.2
6 30	19 44.61	−19 37.8	1.839	2.829	5.8	19.9
7 10	19 36.63	−19 59.7	1.810	2.824	1.8	19.7
7 20	19 28.18	−20 22.6	1.807	2.819	2.5	19.7
7 30	19 20.24	−20 44.3	1.832	2.813	6.5	20.0
8 9	19 13.71	−21 3.0	1.881	2.809	10.2	20.2
8 19	19 9.23	−21 17.8	1.953	2.804	13.4	20.4
385790 2006 BG_{108}			7 13.9 310.°55		0.°8/13.6 18	
6 10	19 57.43	−21 57.6	1.503	2.388	15.1	20.6
6 20	19 53.09	−22 22.3	1.421	2.371	11.3	20.3
6 30	19 46.07	−22 53.0	1.360	2.354	6.8	20.0
7 10	19 37.13	−23 25.9	1.322	2.337	2.0	19.7
7 20	19 27.36	−23 56.5	1.310	2.321	3.4	19.7
7 30	19 18.16	−24 21.3	1.323	2.305	8.4	20.0
8 9	19 10.81	−24 38.4	1.358	2.290	13.0	20.2
8 19	19 6.24	−24 47.4	1.414	2.275	17.1	20.4
31405 1999 AD_{2}			7 13.9 45.°41		3.°6/12.7 18	
6 10	20 1.14	−26 7.9	1.160	2.057	17.7	17.5
6 20	19 56.21	−27 4.2	1.111	2.066	13.2	17.3
6 30	19 48.00	−28 2.8	1.081	2.075	8.1	17.0
7 10	19 37.65	−28 55.9	1.074	2.085	3.9	16.8
7 20	19 26.72	−29 36.3	1.090	2.096	5.5	16.9
7 30	19 16.97	−30 0.1	1.129	2.106	10.2	17.2
8 9	19 9.87	−30 7.4	1.189	2.117	14.8	17.5
8 19	19 6.21	−30 1.1	1.268	2.129	18.7	17.8
506699 2006 UD_{58}			7 13.9 252.°23		1.°2/14.3 18	
6 10	20 0.29	−17 26.8	1.791	2.655	14.0	22.7
6 20	19 54.81	−17 38.9	1.701	2.639	10.6	22.4
6 30	19 46.94	−17 59.2	1.633	2.622	6.6	22.2
7 10	19 37.37	−18 25.3	1.591	2.604	2.3	21.8
7 20	19 27.05	−18 54.4	1.575	2.586	2.9	21.9
7 30	19 17.17	−19 23.5	1.587	2.568	7.4	22.1
8 9	19 8.85	−19 50.2	1.623	2.549	11.7	22.3
8 19	19 2.92	−20 13.3	1.681	2.529	15.4	22.5
275027 2009 UB_{35}			7 13.9 111.°96		3.°5/12.4 17	
6 10	20 1.95	−28 37.6	1.845	2.716	13.3	21.3
6 20	19 55.83	−29 29.5	1.788	2.729	9.9	21.1
6 30	19 47.37	−30 20.1	1.754	2.741	6.3	20.9
7 10	19 37.43	−31 4.0	1.746	2.753	3.6	20.8
7 20	19 27.07	−31 36.6	1.765	2.765	4.7	20.8
7 30	19 17.51	−31 55.7	1.811	2.776	8.0	21.1
8 9	19 9.78	−32 1.3	1.881	2.787	11.4	21.3
8 19	19 4.56	−31 55.7	1.972	2.798	14.3	21.5
362035 2008 YZ_{146}			7 13.9 85.°51		2.°8/14.7 17	
6 10	20 3.19	−14 41.8	1.339	2.209	17.5	21.0
6 20	19 56.95	−14 40.4	1.292	2.230	13.2	20.8
6 30	19 48.08	−14 50.9	1.265	2.251	8.4	20.6
7 10	19 37.61	−15 11.2	1.262	2.272	3.8	20.3
7 20	19 26.86	−15 38.0	1.284	2.293	4.0	20.4
7 30	19 17.21	−16 7.7	1.331	2.313	8.4	20.7
8 9	19 9.80	−16 37.4	1.401	2.333	12.7	21.0
8 19	19 5.28	−17 4.9	1.492	2.352	16.3	21.3
325019 2008 CR_{19}			7 13.9 116.°29		4.°4/16.0 17	
6 10	19 59.60	− 7 52.3	1.681	2.524	15.8	20.9
6 20	19 54.03	− 8 13.4	1.619	2.537	12.4	20.7
6 30	19 46.28	− 8 51.8	1.578	2.549	8.6	20.5
7 10	19 37.12	− 9 45.8	1.561	2.561	5.2	20.3
7 20	19 27.55	−10 51.8	1.571	2.573	4.8	20.3
7 30	19 18.67	−12 4.8	1.607	2.584	7.8	20.5
8 9	19 11.45	−13 19.4	1.669	2.595	11.4	20.8
8 19	19 6.58	−14 31.4	1.753	2.606	14.6	21.0
466556 2014 SB_{323}			7 13.9 151.°41		2.°1/13.0 17	
6 10	20 4.37	−24 54.6	1.845	2.711	13.6	22.1
6 20	19 57.59	−25 40.5	1.781	2.721	10.1	21.9
6 30	19 48.44	−26 28.4	1.741	2.731	6.1	21.7
7 10	19 37.74	−27 13.1	1.727	2.740	2.5	21.4
7 20	19 26.58	−27 50.1	1.741	2.748	3.7	21.6
7 30	19 16.17	−28 16.4	1.783	2.755	7.6	21.8
8 9	19 7.59	−28 31.7	1.850	2.761	11.3	22.0
8 19	19 1.54	−28 37.1	1.939	2.767	14.4	22.3
296488 2009 JX			7 13.9 24.°99		5.°1/15.1 17	
6 10	19 58.62	−11 52.9	1.276	2.150	18.0	20.0
6 20	19 53.87	−11 16.4	1.216	2.153	14.0	19.8
6 30	19 46.42	−10 53.9	1.176	2.157	9.6	19.6
7 10	19 37.20	−10 46.2	1.158	2.162	5.8	19.4
7 20	19 27.45	−10 52.3	1.163	2.166	5.7	19.4
7 30	19 18.60	−11 10.0	1.191	2.172	9.4	19.6
8 9	19 11.87	−11 35.6	1.242	2.177	13.7	19.8
8 19	19 8.00	−12 5.5	1.312	2.184	17.5	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
216887 2008 UR_{83}			7 13.9 168.°09		5.°2/15.9 18	
	h m	° ′			°	m
6 10	19 57.62	− 6 0.7	2.319	3.139	12.7	21.0
6 20	19 52.09	− 5 32.7	2.244	3.142	10.2	20.8
6 30	19 44.93	− 5 16.7	2.191	3.146	7.7	20.6
7 10	19 36.73	− 5 13.3	2.164	3.148	5.6	20.5
7 20	19 28.19	− 5 22.3	2.165	3.151	5.4	20.5
7 30	19 20.12	− 5 42.2	2.192	3.153	7.2	20.6
8 9	19 13.22	− 6 10.7	2.246	3.154	9.7	20.8
8 19	19 8.05	− 6 44.9	2.322	3.155	12.2	21.0
43794 Yabetakemoto			7 13.9 166.°30		1.°1/13.5 18	
6 10	20 1.54	−25 33.0	2.608	3.463	10.5	19.7
6 20	19 54.85	−25 36.0	2.534	3.469	7.7	19.6
6 30	19 46.52	−25 38.2	2.485	3.474	4.7	19.4
7 10	19 37.16	−25 37.4	2.465	3.478	1.6	19.2
7 20	19 27.54	−25 32.2	2.474	3.482	2.5	19.2
7 30	19 18.47	−25 21.7	2.512	3.485	5.6	19.5
8 9	19 10.69	−25 6.3	2.577	3.488	8.5	19.7
8 19	19 4.71	−24 47.0	2.667	3.489	11.1	19.8
248139 2004 SH_{62}			7 13.9 267.°38		4.°1/16.1 18	
6 10	19 54.06	− 7 27.9	2.386	3.217	12.1	20.6
6 20	19 49.54	− 7 33.8	2.301	3.210	9.6	20.4
6 30	19 43.46	− 7 52.1	2.238	3.203	6.9	20.2
7 10	19 36.33	− 8 22.5	2.201	3.196	4.6	20.0
7 20	19 28.80	− 9 3.4	2.192	3.188	4.3	20.0
7 30	19 21.62	− 9 52.4	2.210	3.181	6.4	20.1
8 9	19 15.49	−10 46.2	2.254	3.174	9.1	20.3
8 19	19 10.96	−11 41.7	2.322	3.167	11.8	20.4
302476 2002 FH_{24}			7 13.9 78.°07		5.°8/10.7 16	
6 10	20 0.71	−36 10.3	2.196	3.058	11.9	20.3
6 20	19 54.82	−37 31.3	2.147	3.074	9.3	20.1
6 30	19 46.75	−38 45.9	2.122	3.090	7.0	20.0
7 10	19 37.27	−39 48.0	2.124	3.106	5.8	20.0
7 20	19 27.36	−40 33.1	2.152	3.122	6.7	20.0
7 30	19 18.13	−40 59.1	2.207	3.138	8.8	20.2
8 9	19 10.56	−41 7.0	2.285	3.154	11.2	20.4
8 19	19 5.32	−40 59.7	2.385	3.170	13.3	20.6
302872 2003 HY_{24}			7 13.9 211.°06		0.°5/13.7 18	
6 10	19 56.87	−21 53.3	2.294	3.160	11.3	21.2
6 20	19 51.70	−22 13.6	2.218	3.158	8.4	21.0
6 30	19 44.78	−22 37.1	2.165	3.156	5.0	20.8
7 10	19 36.71	−23 1.2	2.140	3.154	1.4	20.5
7 20	19 28.24	−23 23.4	2.142	3.152	2.4	20.6
7 30	19 20.24	−23 41.8	2.172	3.150	6.0	20.8
8 9	19 13.51	−23 55.2	2.228	3.148	9.2	21.0
8 19	19 8.63	−24 3.5	2.307	3.145	12.1	21.2
242267 2003 TF_{3}			7 13.9 9.°19		6.°4/15.4 18	
6 10	19 57.16	− 8 15.8	1.608	2.459	16.0	19.5
6 20	19 52.35	− 7 19.1	1.541	2.460	12.8	19.2
6 30	19 45.33	− 6 35.9	1.495	2.461	9.4	19.1
7 10	19 36.88	− 6 8.0	1.472	2.463	6.8	18.9
7 20	19 28.00	− 5 56.5	1.473	2.465	6.7	18.9
7 30	19 19.78	− 6 0.2	1.500	2.468	9.1	19.1
8 9	19 13.23	− 6 16.5	1.549	2.471	12.4	19.3
8 19	19 9.01	− 6 41.7	1.620	2.474	15.6	19.5
504146 2006 SE_{147}			7 13.9 1.°26		0.°7/13.7 17	
6 10	19 55.19	−22 17.5	1.016	1.925	18.6	20.9
6 20	19 52.07	−22 25.3	0.960	1.922	13.9	20.6
6 30	19 45.66	−22 39.0	0.922	1.920	8.3	20.3
7 10	19 37.05	−22 54.4	0.905	1.920	2.4	20.0
7 20	19 27.74	−23 7.2	0.910	1.922	3.9	20.1
7 30	19 19.52	−23 14.2	0.936	1.925	9.8	20.4
8 9	19 13.89	−23 14.4	0.982	1.929	15.1	20.7
8 19	19 11.69	−23 8.1	1.045	1.935	19.5	21.0
147713 2005 JC_{177}			7 13.9 350.°83		1.°6/13.4 17	
6 10	19 54.94	−22 59.7	1.086	1.993	17.9	19.7
6 20	19 51.86	−23 26.9	1.024	1.985	13.3	19.4
6 30	19 45.57	−24 0.4	0.981	1.979	8.1	19.1
7 10	19 37.05	−24 35.0	0.959	1.973	2.6	18.8
7 20	19 27.72	−25 4.9	0.958	1.969	4.3	18.9
7 30	19 19.32	−25 25.9	0.980	1.967	9.9	19.2
8 9	19 13.39	−25 36.2	1.022	1.965	15.1	19.4
8 19	19 10.84	−25 36.4	1.082	1.966	19.5	19.7
306478 1999 SP_{3}			7 13.9 301.°55		1.°4/13.8 17	
6 10	20 10.84	−28 14.3	1.762	2.621	14.4	18.9
6 20	20 3.10	−27 30.4	1.642	2.578	11.1	18.6
6 30	19 52.23	−26 37.5	1.545	2.533	6.9	18.3
7 10	19 38.98	−25 32.2	1.475	2.489	2.4	17.9
7 20	19 24.57	−24 13.2	1.434	2.443	3.5	17.9
7 30	19 10.57	−22 42.5	1.421	2.398	8.6	18.1
8 9	18 58.52	−21 5.0	1.436	2.352	13.6	18.2
8 19	18 49.49	−19 26.5	1.473	2.305	18.0	18.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
181988 1999 VF_{110}			7 13.9 228°.96		0°.8/14.2 18	
	h m	° ′			°	m
6 10	20 1.21	−18 40.3	1.837	2.701	13.8	21.6
6 20	19 55.37	−18 48.9	1.753	2.691	10.3	21.3
6 30	19 47.22	−19 3.8	1.691	2.680	6.4	21.1
7 10	19 37.47	−19 22.7	1.655	2.669	2.1	20.8
7 20	19 27.09	−19 42.8	1.646	2.657	2.8	20.8
7 30	19 17.22	−20 1.9	1.664	2.645	7.2	21.0
8 9	19 8.94	−20 18.2	1.708	2.632	11.3	21.3
8 19	19 3.03	−20 31.0	1.773	2.619	14.8	21.5
521557 2015 OH_{103}			7 13.9 152°.23		0°.5/13.7 18	
6 10	19 57.68	−23 8.3	2.342	3.207	11.1	21.4
6 20	19 52.22	−23 9.5	2.268	3.208	8.2	21.2
6 30	19 45.05	−23 11.9	2.218	3.208	4.9	21.0
7 10	19 36.80	−23 13.7	2.195	3.209	1.4	20.7
7 20	19 28.22	−23 13.1	2.200	3.210	2.3	20.8
7 30	19 20.17	−23 9.1	2.233	3.211	5.8	21.0
8 9	19 13.42	−23 1.5	2.292	3.212	9.0	21.2
8 19	19 8.50	−22 50.7	2.374	3.212	11.8	21.4
377814 2006 BB_{31}			7 13.9 187°.43		1°.0/13.5 18	
6 10	20 1.02	−23 49.6	2.315	3.174	11.4	22.6
6 20	19 54.76	−24 8.7	2.237	3.174	8.5	22.4
6 30	19 46.63	−24 29.2	2.183	3.173	5.1	22.2
7 10	19 37.26	−24 48.4	2.157	3.171	1.7	22.0
7 20	19 27.48	−25 3.5	2.160	3.169	2.7	22.1
7 30	19 18.23	−25 13.0	2.191	3.166	6.2	22.3
8 9	19 10.33	−25 16.3	2.248	3.162	9.5	22.5
8 19	19 4.41	−25 14.0	2.329	3.157	12.3	22.7
214977 2008 AD_{68}			7 13.9 313°.91		1°.4/14.6 18	
6 10	19 55.75	−15 20.6	2.066	2.926	12.6	20.4
6 20	19 51.05	−15 49.0	1.990	2.924	9.5	20.1
6 30	19 44.48	−16 26.7	1.936	2.923	5.9	19.9
7 10	19 36.68	−17 11.4	1.909	2.921	2.3	19.7
7 20	19 28.42	−17 59.9	1.909	2.919	2.6	19.7
7 30	19 20.63	−18 48.9	1.936	2.918	6.3	19.9
8 9	19 14.13	−19 35.4	1.990	2.917	9.8	20.2
8 19	19 9.57	−20 17.5	2.066	2.915	12.9	20.4
39856 1998 DV_{4}			7 13.9 235°.87		0°.2/13.9 18	
6 10	20 1.54	−19 56.2	1.633	2.504	14.8	19.3
6 20	19 55.90	−20 12.4	1.553	2.495	11.1	19.0
6 30	19 47.68	−20 35.2	1.494	2.485	6.7	18.8
7 10	19 37.65	−21 1.2	1.461	2.475	2.0	18.4
7 20	19 26.91	−21 27.1	1.453	2.465	3.0	18.5
7 30	19 16.76	−21 49.7	1.472	2.454	7.8	18.7
8 9	19 8.42	−22 7.2	1.516	2.442	12.3	19.0
8 19	19 2.74	−22 19.3	1.580	2.431	16.1	19.2
318424 2005 BD_{20}			7 13.9 236°.94		0°.7/13.6 17	
6 10	20 1.83	−21 21.9	1.653	2.525	14.6	20.9
6 20	19 56.17	−21 55.2	1.571	2.514	10.9	20.7
6 30	19 47.88	−22 34.9	1.511	2.503	6.6	20.4
7 10	19 37.72	−23 16.7	1.477	2.491	1.9	20.1
7 20	19 26.78	−23 56.1	1.468	2.479	3.3	20.1
7 30	19 16.38	−24 29.1	1.486	2.466	8.0	20.4
8 9	19 7.78	−24 53.9	1.529	2.452	12.4	20.6
8 19	19 1.87	−25 10.2	1.592	2.438	16.2	20.8
342910 2008 YM_{146}			7 13.9 208°.08		0°.7/14.2 18	
6 10	19 57.71	−17 52.6	2.199	3.058	12.0	21.2
6 20	19 52.42	−18 14.4	2.119	3.054	8.9	21.0
6 30	19 45.29	−18 42.7	2.062	3.050	5.5	20.7
7 10	19 36.93	−19 15.1	2.032	3.046	1.8	20.5
7 20	19 28.12	−19 49.1	2.030	3.041	2.4	20.5
7 30	19 19.75	−20 21.9	2.056	3.037	6.1	20.8
8 9	19 12.66	−20 51.6	2.109	3.031	9.5	21.0
8 19	19 7.47	−21 17.1	2.184	3.026	12.6	21.1
189313 2006 SA_{73}			7 13.9 236°.38		3°.6/15.2 17	
6 10	19 59.23	−11 42.6	1.730	2.583	14.9	21.3
6 20	19 53.97	−11 40.4	1.648	2.575	11.6	21.0
6 30	19 46.43	−11 50.8	1.587	2.566	7.8	20.8
7 10	19 37.29	−12 13.0	1.551	2.557	4.4	20.6
7 20	19 27.52	−12 45.0	1.542	2.547	4.3	20.6
7 30	19 18.25	−13 23.9	1.558	2.537	7.8	20.7
8 9	19 10.55	−14 6.2	1.599	2.527	11.7	20.9
8 19	19 5.20	−14 48.9	1.662	2.516	15.3	21.1
71751 2000 RS_{10}			7 13.9 188°.64		1°.4/13.3 17	
6 10	20 1.34	−22 3.7	1.583	2.459	14.9	18.9
6 20	19 55.80	−22 55.4	1.514	2.459	11.1	18.6
6 30	19 47.63	−23 53.6	1.466	2.459	6.7	18.4
7 10	19 37.65	−24 52.9	1.444	2.458	2.2	18.1
7 20	19 27.00	−25 47.5	1.448	2.457	3.6	18.2
7 30	19 17.02	−26 32.9	1.478	2.455	8.2	18.5
8 9	19 8.97	−27 6.8	1.532	2.454	12.5	18.7
8 19	19 3.65	−27 29.5	1.606	2.452	16.1	18.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
43625 2002 CE_{168}			7 13.9 10°.30		6°.1/12.1 18	
	h m	° ′			°	m
6 10	19 58.59	−35 27.9	1.614	2.495	14.4	18.0
6 20	19 53.80	−36 6.6	1.558	2.498	11.2	17.8
6 30	19 46.36	−36 37.3	1.523	2.502	8.1	17.7
7 10	19 37.25	−36 54.3	1.512	2.507	6.1	17.6
7 20	19 27.71	−36 53.4	1.526	2.514	7.0	17.6
7 30	19 19.13	−36 33.9	1.564	2.521	9.8	17.8
8 9	19 12.67	−35 58.1	1.624	2.529	13.0	18.0
8 19	19 9.00	−35 10.2	1.704	2.537	15.9	18.2
24276 1999 XO_{169}			7 13.9 327°.74		0°.4/13.8 18	
6 10	19 58.38	−24 29.8	1.324	2.217	16.2	16.7
6 20	19 54.18	−23 58.2	1.237	2.190	12.3	16.4
6 30	19 46.95	−23 24.5	1.169	2.164	7.5	16.1
7 10	19 37.52	−22 46.7	1.124	2.139	2.2	15.7
7 20	19 27.15	−22 3.7	1.104	2.116	3.5	15.7
7 30	19 17.44	−21 16.0	1.107	2.093	9.1	15.9
8 9	19 9.88	−20 25.8	1.132	2.071	14.3	16.2
8 19	19 5.46	−19 35.5	1.176	2.051	18.8	16.4
11662 1997 GL_{23}			7 13.9 201°.43		1°.8/12.9 18	
6 10	19 57.38	−26 12.4	2.654	3.516	10.1	18.8
6 20	19 51.97	−26 42.4	2.575	3.513	7.4	18.6
6 30	19 44.93	−27 12.8	2.521	3.510	4.6	18.4
7 10	19 36.83	−27 40.6	2.495	3.506	2.0	18.2
7 20	19 28.35	−28 3.3	2.497	3.502	2.9	18.3
7 30	19 20.29	−28 19.0	2.528	3.498	5.8	18.5
8 9	19 13.37	−28 27.4	2.585	3.494	8.6	18.7
8 19	19 8.13	−28 28.7	2.666	3.489	11.1	18.8
36793 2000 SZ_{29}			7 13.9 154°.30		2°.1/13.3 18	
6 10	20 4.25	−25 40.1	1.559	2.435	15.2	19.5
6 20	19 57.89	−26 1.2	1.495	2.439	11.3	19.3
6 30	19 48.81	−26 22.9	1.452	2.443	6.9	19.1
7 10	19 37.97	−26 40.6	1.434	2.447	2.7	18.8
7 20	19 26.61	−26 50.5	1.443	2.451	3.9	18.9
7 30	19 16.16	−26 50.5	1.477	2.454	8.3	19.2
8 9	19 7.83	−26 41.2	1.535	2.456	12.5	19.4
8 19	19 2.39	−26 24.6	1.614	2.459	16.1	19.7
421855 2014 QK_{136}			7 13.9 199°.30		0°.8/13.6 17	
6 10	20 3.07	−21 38.6	1.500	2.375	15.6	21.9
6 20	19 57.19	−22 7.0	1.428	2.373	11.7	21.7
6 30	19 48.51	−22 41.2	1.379	2.371	7.0	21.4
7 10	19 37.92	−23 16.7	1.354	2.368	2.0	21.1
7 20	19 26.64	−23 49.0	1.354	2.365	3.4	21.2
7 30	19 16.11	−24 14.3	1.381	2.361	8.4	21.4
8 9	19 7.64	−24 31.4	1.431	2.357	12.9	21.7
8 19	19 2.08	−24 40.5	1.502	2.352	16.8	21.9
301453 2009 DG_{112}			7 13.9 3°.80		0°.1/13.8 17	
6 10	19 57.08	−20 27.2	1.882	2.754	13.1	20.7
6 20	19 52.21	−20 51.0	1.811	2.754	9.7	20.5
6 30	19 45.26	−21 20.2	1.763	2.754	5.8	20.3
7 10	19 36.95	−21 51.8	1.740	2.755	1.7	20.0
7 20	19 28.18	−22 22.5	1.744	2.755	2.6	20.1
7 30	19 19.98	−22 49.6	1.774	2.755	6.8	20.4
8 9	19 13.30	−23 11.3	1.830	2.756	10.5	20.6
8 19	19 8.80	−23 27.1	1.908	2.757	13.8	20.8
221049 2005 QA_{110}			7 13.9 291°.38		0°.9/14.2 17	
6 10	19 58.76	−18 33.8	1.553	2.429	15.2	20.9
6 20	19 54.07	−18 43.0	1.464	2.408	11.5	20.6
6 30	19 46.73	−19 0.5	1.395	2.387	7.1	20.3
7 10	19 37.46	−19 23.6	1.351	2.365	2.3	20.0
7 20	19 27.29	−19 49.4	1.332	2.344	3.2	20.0
7 30	19 17.58	−20 14.5	1.338	2.322	8.2	20.2
8 9	19 9.61	−20 36.7	1.368	2.301	12.9	20.4
8 19	19 4.34	−20 54.5	1.418	2.279	17.0	20.7
422717 2000 YA_{28}			7 13.9 243°.33		2°.7/14.9 17	
6 10	20 1.76	−12 44.6	2.079	2.921	13.2	23.0
6 20	19 55.69	−12 54.9	1.977	2.899	10.2	22.7
6 30	19 47.46	−13 16.0	1.897	2.876	6.8	22.5
7 10	19 37.63	−13 46.6	1.844	2.851	3.4	22.2
7 20	19 27.04	−14 24.5	1.819	2.826	3.5	22.2
7 30	19 16.71	−15 6.8	1.823	2.800	7.0	22.4
8 9	19 7.65	−15 50.6	1.853	2.772	10.8	22.5
8 19	19 0.68	−16 33.4	1.906	2.743	14.3	22.7
393232 2013 JP_{26}			7 13.9 193°.79		5°.5/10.3 18	
6 10	20 0.53	−40 27.4	2.992	3.834	9.6	21.7
6 20	19 54.40	−41 27.8	2.923	3.832	7.8	21.6
6 30	19 46.45	−42 21.3	2.878	3.829	6.2	21.5
7 10	19 37.29	−43 3.4	2.861	3.826	5.5	21.4
7 20	19 27.67	−43 30.9	2.871	3.823	6.1	21.5
7 30	19 18.49	−43 42.3	2.908	3.820	7.7	21.6
8 9	19 10.56	−43 38.5	2.969	3.816	9.5	21.7
8 19	19 4.51	−43 21.5	3.053	3.811	11.3	21.8

413772 2006 FU_{29} 7 13.9 80.°00 3.°2/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 3.60	−26 44.3	1.321	2.207	16.7	20.8
6 20	19 57.72	−27 26.5	1.270	2.219	12.4	20.6
6 30	19 48.82	−28 9.3	1.239	2.231	7.7	20.4
7 10	19 37.99	−28 45.8	1.232	2.243	3.6	20.1
7 20	19 26.67	−29 10.8	1.249	2.255	5.0	20.3
7 30	19 16.50	−29 21.5	1.291	2.267	9.4	20.6
8 9	19 8.79	−29 18.6	1.355	2.278	13.7	20.8
8 19	19 4.29	−29 5.0	1.439	2.290	17.4	21.1

63132 2000 WF_{188} 7 13.9 168.°14 0.°7/13.6 18

6 10	19 56.88	−22 19.1	2.280	3.147	11.3	19.8
6 20	19 51.76	−22 43.5	2.207	3.147	8.4	19.6
6 30	19 44.87	−23 10.9	2.157	3.148	5.0	19.4
7 10	19 36.83	−23 38.6	2.134	3.148	1.5	19.1
7 20	19 28.41	−24 3.9	2.139	3.149	2.5	19.2
7 30	19 20.48	−24 24.7	2.171	3.149	6.0	19.4
8 9	19 13.82	−24 39.8	2.230	3.150	9.2	19.6
8 19	19 9.03	−24 49.3	2.312	3.150	12.1	19.8

467413 2005 NX_{15} 7 13.9 345.°58 1.°1/13.6 17

6 10	19 53.45	−21 47.2	1.071	1.980	17.9	20.4
6 20	19 50.86	−22 15.9	1.006	1.967	13.4	20.1
6 30	19 45.08	−22 53.1	0.958	1.956	8.1	19.7
7 10	19 37.02	−23 34.0	0.932	1.947	2.4	19.4
7 20	19 28.07	−24 12.5	0.927	1.939	4.1	19.4
7 30	19 19.95	−24 43.5	0.944	1.932	9.9	19.7
8 9	19 14.25	−25 4.3	0.981	1.927	15.2	20.0
8 19	19 11.93	−25 14.3	1.036	1.924	19.8	20.3

445023 2008 LN_{11} 7 13.9 69.°51 4.°8/15.8 17

6 10	19 55.94	− 7 32.9	2.221	3.052	12.8	20.7
6 20	19 50.88	− 7 2.9	2.158	3.065	10.2	20.6
6 30	19 44.25	− 6 44.5	2.117	3.078	7.5	20.4
7 10	19 36.65	− 6 38.1	2.103	3.092	5.3	20.3
7 20	19 28.80	− 6 43.3	2.114	3.105	5.1	20.3
7 30	19 21.48	− 6 58.7	2.153	3.118	7.0	20.5
8 9	19 15.39	− 7 21.8	2.217	3.131	9.5	20.6
8 19	19 11.03	− 7 50.0	2.304	3.145	12.0	20.8

35246 1995 UQ_{15} 7 13.9 313.°75 0.°6/13.7 18

6 10	19 56.00	−21 24.9	1.900	2.775	12.9	19.5
6 20	19 51.55	−21 52.3	1.816	2.761	9.6	19.2
6 30	19 44.97	−22 25.1	1.755	2.748	5.8	19.0
7 10	19 36.93	−22 59.9	1.720	2.735	1.7	18.7
7 20	19 28.29	−23 33.3	1.711	2.722	2.8	18.7
7 30	19 20.10	−24 2.4	1.729	2.709	7.0	19.0
8 9	19 13.36	−24 25.1	1.771	2.697	10.8	19.2
8 19	19 8.81	−24 41.1	1.835	2.686	14.2	19.4

423824 2006 KW_{83} 7 13.9 30.°31 0.°1/13.9 16

6 10	19 57.34	−19 38.4	1.617	2.495	14.6	21.2
6 20	19 52.63	−20 3.2	1.554	2.500	10.8	21.0
6 30	19 45.61	−20 35.0	1.513	2.506	6.5	20.8
7 10	19 37.09	−21 10.3	1.497	2.512	1.9	20.5
7 20	19 28.11	−21 45.3	1.507	2.518	2.9	20.6
7 30	19 19.85	−22 16.7	1.542	2.525	7.4	20.9
8 9	19 13.35	−22 42.4	1.601	2.532	11.4	21.1
8 19	19 9.30	−23 1.6	1.682	2.540	14.9	21.4

371847 2007 YQ_{14} 7 13.9 155.°03 3.°7/15.3 17

6 10	20 0.72	−10 53.7	1.893	2.737	14.3	21.8
6 20	19 54.74	−10 48.1	1.824	2.744	11.1	21.6
6 30	19 46.72	−10 54.2	1.777	2.751	7.5	21.4
7 10	19 37.39	−11 11.4	1.755	2.758	4.4	21.2
7 20	19 27.65	−11 37.7	1.760	2.763	4.2	21.2
7 30	19 18.52	−12 10.7	1.793	2.768	7.2	21.4
8 9	19 10.93	−12 47.2	1.851	2.773	10.7	21.6
8 19	19 5.50	−13 24.7	1.932	2.777	13.8	21.8

318640 2005 LT_{37} 7 13.9 103.°74 2.°7/15.0 17

6 10	20 0.80	−13 9.8	1.601	2.460	15.6	21.2
6 20	19 55.04	−13 25.3	1.543	2.476	11.9	21.0
6 30	19 46.97	−13 53.2	1.508	2.491	7.7	20.8
7 10	19 37.46	−14 31.3	1.496	2.505	3.6	20.6
7 20	19 27.57	−15 16.0	1.511	2.520	3.6	20.6
7 30	19 18.47	−16 3.4	1.553	2.534	7.5	20.9
8 9	19 11.20	−16 49.8	1.619	2.548	11.5	21.2
8 19	19 6.40	−17 32.6	1.706	2.561	14.9	21.4

191157 2002 JH_{38} 7 13.9 152.°92 1.°8/14.6 18

6 10	19 59.37	−15 43.8	2.136	2.988	12.5	20.7
6 20	19 53.57	−15 44.0	2.065	2.995	9.4	20.5
6 30	19 45.94	−15 51.3	2.018	3.001	6.0	20.3
7 10	19 37.16	−16 4.3	1.997	3.007	2.6	20.1
7 20	19 28.02	−16 21.0	2.003	3.012	2.8	20.1
7 30	19 19.44	−16 39.6	2.038	3.017	6.2	20.3
8 9	19 12.23	−16 58.4	2.099	3.022	9.6	20.5
8 19	19 6.97	−17 16.2	2.183	3.026	12.5	20.7

443008 2013 CS_{199} 7 13.9 58.°37 1.°9/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 57.36	−25 17.1	2.084	2.956	12.0	21.4
6 20	19 52.27	−25 55.9	2.020	2.963	8.9	21.2
6 30	19 45.24	−26 36.1	1.979	2.970	5.4	21.0
7 10	19 36.97	−27 13.9	1.964	2.977	2.3	20.8
7 20	19 28.31	−27 45.7	1.977	2.983	3.3	20.9
7 30	19 20.24	−28 9.3	2.017	2.990	6.7	21.1
8 9	19 13.63	−28 23.7	2.082	2.998	10.0	21.3
8 19	19 9.07	−28 29.6	2.170	3.005	12.9	21.5

82681 2001 PY_{25} 7 13.9 326.°39 0.°7/13.7 18

6 10	19 55.06	−20 44.2	1.227	2.125	16.9	18.9
6 20	19 51.89	−21 16.1	1.148	2.104	12.7	18.6
6 30	19 45.69	−21 57.9	1.088	2.085	7.7	18.2
7 10	19 37.24	−22 45.3	1.051	2.066	2.2	17.8
7 20	19 27.76	−23 32.6	1.036	2.048	3.8	17.9
7 30	19 18.87	−24 14.2	1.045	2.031	9.5	18.2
8 9	19 12.11	−24 46.7	1.074	2.015	14.7	18.4
8 19	19 8.55	−25 8.7	1.122	2.001	19.3	18.6

238661 2005 EW_{121} 7 13.9 74.°70 2.°3/14.9 17

6 10	19 57.41	−14 10.3	1.852	2.712	13.8	20.4
6 20	19 52.33	−14 20.6	1.789	2.722	10.5	20.2
6 30	19 45.29	−14 40.9	1.749	2.733	6.7	20.0
7 10	19 36.99	−15 9.3	1.734	2.743	3.1	19.8
7 20	19 28.34	−15 43.2	1.745	2.754	3.2	19.8
7 30	19 20.32	−16 19.7	1.783	2.765	6.7	20.1
8 9	19 13.81	−16 55.9	1.846	2.775	10.3	20.3
8 19	19 9.42	−17 29.8	1.932	2.786	13.5	20.5

330527 2007 TT_{306} 7 13.9 294.°31 2.°5/14.8 18

6 10	19 56.83	−14 31.8	1.833	2.696	13.8	21.4
6 20	19 52.11	−14 30.3	1.752	2.686	10.6	21.1
6 30	19 45.29	−14 38.3	1.692	2.677	6.9	20.9
7 10	19 37.03	−14 54.7	1.658	2.667	3.3	20.7
7 20	19 28.22	−15 17.5	1.649	2.658	3.4	20.6
7 30	19 19.89	−15 44.4	1.667	2.648	7.1	20.8
8 9	19 13.02	−16 12.7	1.710	2.639	10.9	21.1
8 19	19 8.32	−16 40.4	1.774	2.630	14.4	21.3

396398 2014 DJ_{139} 7 13.9 212.°05 4.°2/15.7 17

6 10	19 56.95	− 8 34.2	2.266	3.098	12.6	21.6
6 20	19 51.78	− 8 25.0	2.183	3.094	9.9	21.4
6 30	19 44.90	− 8 27.3	2.122	3.088	7.1	21.2
7 10	19 36.89	− 8 40.9	2.087	3.083	4.7	21.0
7 20	19 28.45	− 9 4.8	2.079	3.076	4.5	21.0
7 30	19 20.41	− 9 37.0	2.099	3.070	6.7	21.2
8 9	19 13.54	−10 14.8	2.145	3.063	9.6	21.3
8 19	19 8.42	−10 55.5	2.215	3.056	12.4	21.5

345912 2007 RE_{163} 7 13.9 288.°79 1.°9/13.3 18

6 10	19 59.58	−25 47.9	1.816	2.691	13.4	21.1
6 20	19 54.33	−26 5.1	1.733	2.678	10.0	20.9
6 30	19 46.70	−26 23.0	1.674	2.665	6.1	20.6
7 10	19 37.45	−26 37.9	1.639	2.652	2.4	20.4
7 20	19 27.57	−26 46.5	1.631	2.639	3.6	20.4
7 30	19 18.26	−26 46.9	1.649	2.626	7.6	20.6
8 9	19 10.62	−26 38.9	1.692	2.613	11.6	20.8
8 19	19 5.44	−26 23.7	1.756	2.600	15.0	21.0

300027 2006 UK_{98} 7 13.9 118.°47 6.°1/16.7 18

6 10	19 55.63	− 2 57.5	2.294	3.105	13.1	20.8
6 20	19 50.68	− 2 31.9	2.224	3.112	10.8	20.7
6 30	19 44.17	− 2 20.6	2.176	3.119	8.4	20.5
7 10	19 36.67	− 2 24.5	2.153	3.126	6.5	20.4
7 20	19 28.86	− 2 43.2	2.155	3.133	6.2	20.4
7 30	19 21.50	− 3 14.9	2.185	3.139	7.6	20.5
8 9	19 15.30	− 3 56.5	2.239	3.145	9.8	20.7
8 19	19 10.76	− 4 44.6	2.317	3.151	12.2	20.8

434079 2001 YK_{153} 7 13.9 225.°17 5.°9/12.0 18

6 10	20 6.15	−37 8.9	1.976	2.834	13.2	20.6
6 20	19 59.20	−37 44.7	1.901	2.826	10.4	20.4
6 30	19 49.62	−38 12.3	1.848	2.818	7.7	20.2
7 10	19 38.28	−38 25.7	1.821	2.810	6.0	20.1
7 20	19 26.37	−38 20.7	1.820	2.801	6.8	20.1
7 30	19 15.26	−37 56.4	1.846	2.792	9.3	20.3
8 9	19 6.14	−37 15.4	1.896	2.782	12.3	20.4
8 19	18 59.79	−36 21.9	1.967	2.772	15.1	20.6

8398 Rubbia 7 13.9 71.°63 3.°9/15.2 17

6 10	20 0.98	−12 12.1	1.341	2.208	17.6	18.4
6 20	19 55.41	−12 8.2	1.292	2.227	13.5	18.2
6 30	19 47.28	−12 18.9	1.264	2.246	8.9	18.0
7 10	19 37.58	−12 42.9	1.258	2.265	4.8	17.8
7 20	19 27.54	−13 16.8	1.277	2.284	4.6	17.8
7 30	19 18.52	−13 56.7	1.321	2.303	8.5	18.1
8 9	19 11.62	−14 38.5	1.388	2.322	12.6	18.4
8 19	19 7.50	−15 18.9	1.476	2.341	16.3	18.7

150659 2001 FY_{74} 7 13.9 83°.41 3°.0/12.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 2.94	−26 32.4	1.463	2.344	15.6	20.4
6 20	19 57.01	−27 13.8	1.410	2.357	11.6	20.2
6 30	19 48.33	−27 55.7	1.379	2.370	7.1	20.0
7 10	19 37.90	−28 32.2	1.372	2.383	3.3	19.8
7 20	19 27.04	−28 58.2	1.391	2.396	4.6	19.9
7 30	19 17.19	−29 11.3	1.434	2.409	8.8	20.2
8 9	19 9.58	−29 11.8	1.501	2.422	12.8	20.5
8 19	19 4.92	−29 2.0	1.589	2.434	16.3	20.7

461827 2006 BG_{130} 7 13.9 96°.82 2°.8/14.9 17

6 10	20 0.74	−13 49.6	1.358	2.229	17.2	21.3
6 20	19 55.43	−14 1.4	1.299	2.238	13.1	21.1
6 30	19 47.43	−14 27.1	1.259	2.246	8.4	20.8
7 10	19 37.67	−15 4.2	1.243	2.254	3.9	20.6
7 20	19 27.37	−15 48.9	1.252	2.262	3.9	20.6
7 30	19 17.94	−16 36.5	1.286	2.269	8.4	20.9
8 9	19 10.60	−17 23.0	1.342	2.277	12.9	21.2
8 19	19 6.11	−18 5.4	1.420	2.284	16.8	21.4

94240 2001 CO_{7} 7 13.9 227°.51 2°.3/15.3 18

6 10	19 54.86	−11 38.6	2.510	3.351	11.2	20.0
6 20	19 50.15	−12 5.9	2.426	3.347	8.6	19.8
6 30	19 43.90	−12 43.3	2.366	3.343	5.7	19.6
7 10	19 36.63	−13 29.4	2.332	3.338	3.0	19.5
7 20	19 28.96	−14 21.6	2.327	3.334	2.8	19.4
7 30	19 21.63	−15 17.2	2.351	3.329	5.5	19.6
8 9	19 15.32	−16 13.0	2.401	3.324	8.5	19.8
8 19	19 10.57	−17 6.6	2.476	3.319	11.2	20.0

10672 Kostyukova 7 13.9 316°.76 1°.3/14.2 18

6 10	19 59.44	−19 58.9	1.961	2.827	12.9	16.2
6 20	19 53.89	−19 22.1	1.878	2.816	9.7	16.0
6 30	19 46.28	−18 47.1	1.818	2.807	6.0	15.7
7 10	19 37.32	−18 13.7	1.784	2.797	2.2	15.4
7 20	19 27.92	−17 41.5	1.778	2.788	2.8	15.5
7 30	19 19.09	−17 10.8	1.798	2.779	6.7	15.7
8 9	19 11.76	−16 42.1	1.844	2.770	10.5	15.9
8 19	19 6.59	−16 15.7	1.913	2.762	13.8	16.1

431360 2007 DE_{79} 7 13.9 329°.74 0°.2/13.9 18

6 10	19 54.10	−19 14.7	1.204	2.102	17.1	19.7
6 20	19 51.20	−19 38.3	1.125	2.081	12.9	19.4
6 30	19 45.30	−20 13.1	1.065	2.060	7.9	19.1
7 10	19 37.18	−20 55.6	1.026	2.041	2.3	18.7
7 20	19 28.03	−21 40.8	1.011	2.023	3.6	18.7
7 30	19 19.47	−22 23.3	1.018	2.006	9.3	19.0
8 9	19 13.02	−22 59.3	1.046	1.990	14.7	19.2
8 19	19 9.74	−23 26.7	1.092	1.976	19.3	19.4

101894 1999 PD_{2} 7 13.9 234°.72 2°.7/15.5 18

6 10	19 55.16	−10 13.8	2.922	3.752	10.1	20.4
6 20	19 50.21	−10 25.4	2.825	3.738	7.9	20.2
6 30	19 43.88	−10 46.1	2.753	3.723	5.4	20.0
7 10	19 36.63	−11 14.9	2.707	3.708	3.2	19.8
7 20	19 28.98	−11 50.5	2.690	3.692	3.1	19.8
7 30	19 21.58	−12 31.0	2.702	3.676	5.2	19.9
8 9	19 15.03	−13 14.1	2.742	3.660	7.8	20.1
8 19	19 9.83	−13 57.8	2.807	3.643	10.3	20.2

123323 2000 VU_{19} 7 13.9 152°.16 5°.9/16.3 18

6 10	19 58.49	− 4 40.6	2.136	2.954	13.8	20.7
6 20	19 52.89	− 4 9.2	2.065	2.960	11.2	20.5
6 30	19 45.55	− 3 51.7	2.017	2.967	8.5	20.4
7 10	19 37.10	− 3 49.0	1.993	2.972	6.4	20.3
7 20	19 28.30	− 4 0.8	1.995	2.978	6.1	20.2
7 30	19 20.01	− 4 25.6	2.025	2.983	7.8	20.4
8 9	19 13.02	− 5 0.3	2.080	2.987	10.4	20.5
8 19	19 7.88	− 5 41.5	2.157	2.991	13.0	20.7

171503 1998 DZ_{11} 7 13.9 96°.92 2°.2/13.2 17

6 10	20 3.36	−25 11.8	1.468	2.348	15.7	20.1
6 20	19 57.31	−25 43.9	1.413	2.360	11.6	19.9
6 30	19 48.52	−26 17.7	1.379	2.372	7.0	19.7
7 10	19 37.98	−26 47.8	1.370	2.383	2.8	19.5
7 20	19 27.00	−27 9.5	1.386	2.394	4.1	19.6
7 30	19 17.03	−27 20.6	1.428	2.405	8.5	19.9
8 9	19 9.26	−27 21.1	1.493	2.416	12.7	20.1
8 19	19 4.42	−27 12.9	1.579	2.427	16.2	20.4

182754 2001 XQ_{136} 7 13.9 230°.39 0°.1/13.9 18

6 10	19 57.25	−20 43.4	2.461	3.321	10.8	21.3
6 20	19 52.00	−21 2.6	2.375	3.312	8.0	21.1
6 30	19 45.06	−21 25.6	2.314	3.303	4.8	20.9
7 10	19 36.98	−21 50.1	2.280	3.294	1.4	20.7
7 20	19 28.47	−22 13.9	2.274	3.285	2.2	20.7
7 30	19 20.35	−22 34.9	2.296	3.275	5.7	20.9
8 9	19 13.36	−22 51.9	2.345	3.265	8.9	21.1
8 19	19 8.11	−23 4.4	2.418	3.254	11.7	21.3

92212 2000 AQ_{5} 7 13.9 242°.38 0°.6/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 56.22	−21 51.1	2.604	3.465	10.3	19.7
6 20	19 51.19	−22 19.0	2.517	3.455	7.6	19.5
6 30	19 44.56	−22 50.3	2.455	3.445	4.6	19.3
7 10	19 36.84	−23 22.5	2.420	3.435	1.3	19.1
7 20	19 28.70	−23 52.9	2.414	3.424	2.2	19.1
7 30	19 20.89	−24 19.6	2.436	3.413	5.5	19.3
8 9	19 14.15	−24 41.1	2.485	3.402	8.5	19.5
8 19	19 9.04	−24 57.1	2.557	3.390	11.2	19.7

504864 2010 UR_{56} 7 13.9 258°.67 3°.9/12.5 17

6 10	20 3.56	−28 57.4	1.698	2.571	14.2	22.0
6 20	19 57.70	−29 43.7	1.611	2.553	10.8	21.7
6 30	19 49.01	−30 30.2	1.546	2.534	7.0	21.5
7 10	19 38.23	−31 10.7	1.507	2.514	4.0	21.3
7 20	19 26.52	−31 39.6	1.494	2.494	5.3	21.3
7 30	19 15.33	−31 53.2	1.506	2.473	9.2	21.5
8 9	19 6.05	−31 51.5	1.543	2.452	13.2	21.7
8 19	18 59.64	−31 36.9	1.600	2.431	16.8	21.8

275601 1999 VA_{174} 7 13.9 319°.23 7°.7/14.9 18

6 10	19 56.83	− 8 6.2	1.468	2.324	17.0	19.0
6 20	19 52.66	− 6 47.7	1.379	2.300	13.8	18.7
6 30	19 45.93	− 5 40.2	1.311	2.277	10.5	18.4
7 10	19 37.34	− 4 47.8	1.265	2.254	8.0	18.2
7 20	19 27.90	− 4 13.6	1.242	2.231	8.1	18.2
7 30	19 18.90	− 3 58.7	1.244	2.209	10.8	18.3
8 9	19 11.58	− 4 1.6	1.266	2.188	14.5	18.4
8 19	19 6.87	− 4 18.9	1.308	2.168	18.2	18.6

394704 2008 DO_{20} 7 13.9 204°.46 0°.9/14.4 18

6 10	19 56.49	−17 36.0	2.225	3.085	11.8	21.7
6 20	19 51.52	−17 50.4	2.148	3.084	8.8	21.5
6 30	19 44.79	−18 11.1	2.096	3.083	5.4	21.3
7 10	19 36.92	−18 36.1	2.069	3.082	1.9	21.1
7 20	19 28.65	−19 3.1	2.070	3.081	2.3	21.1
7 30	19 20.84	−19 29.7	2.099	3.080	5.9	21.3
8 9	19 14.28	−19 54.3	2.154	3.079	9.3	21.5
8 19	19 9.55	−20 15.7	2.232	3.078	12.2	21.7

115767 2003 UL_{207} 7 13.9 322°.13 8°.3/ 9.7 18

6 10	19 59.52	−36 56.7	1.543	2.423	15.0	18.6
6 20	19 55.22	−38 37.0	1.471	2.407	12.1	18.4
6 30	19 47.75	−40 12.8	1.421	2.391	9.4	18.2
7 10	19 37.91	−41 34.2	1.394	2.375	8.3	18.1
7 20	19 27.00	−42 32.5	1.391	2.361	9.6	18.1
7 30	19 16.70	−43 2.8	1.411	2.346	12.5	18.2
8 9	19 8.63	−43 5.8	1.452	2.333	15.7	18.4
8 19	19 3.88	−42 45.7	1.511	2.320	18.7	18.6

148463 2001 AB_{7} 7 13.9 100°.72 0°.7/14.3 18

6 10	19 56.08	−16 39.3	2.400	3.255	11.2	20.5
6 20	19 51.06	−17 22.2	2.332	3.265	8.3	20.3
6 30	19 44.45	−18 12.4	2.288	3.275	5.1	20.1
7 10	19 36.81	−19 7.0	2.272	3.285	1.7	19.9
7 20	19 28.84	−20 2.9	2.284	3.295	2.1	19.9
7 30	19 21.30	−20 56.8	2.325	3.305	5.5	20.2
8 9	19 14.93	−21 46.2	2.392	3.314	8.6	20.4
8 19	19 10.24	−22 29.7	2.484	3.324	11.3	20.6

127092 2002 GD_{80} 7 13.9 31°.27 3°.7/12.2 18

6 10	19 58.10	−30 41.3	2.202	3.072	11.6	19.7
6 20	19 52.89	−31 29.1	2.134	3.073	8.7	19.5
6 30	19 45.69	−32 14.7	2.091	3.075	5.8	19.3
7 10	19 37.19	−32 53.7	2.074	3.077	3.8	19.2
7 20	19 28.25	−33 22.2	2.083	3.078	4.7	19.2
7 30	19 19.87	−33 38.2	2.120	3.080	7.4	19.4
8 9	19 12.95	−33 41.6	2.182	3.082	10.3	19.6
8 19	19 8.13	−33 34.2	2.265	3.084	12.9	19.8

294614 2008 AM_{24} 7 13.9 276°.89 2°.3/13.2 17

6 10	20 1.69	−25 29.4	1.490	2.372	15.4	21.3
6 20	19 56.41	−25 55.9	1.411	2.359	11.5	21.0
6 30	19 48.24	−26 24.6	1.353	2.345	7.1	20.7
7 10	19 38.01	−26 50.4	1.319	2.332	2.8	20.4
7 20	19 26.94	−27 8.7	1.311	2.319	4.2	20.5
7 30	19 16.54	−27 16.4	1.327	2.305	8.9	20.7
8 9	19 8.20	−27 13.2	1.367	2.292	13.5	21.0
8 19	19 2.85	−27 0.8	1.426	2.278	17.4	21.2

315816 2008 GF_{82} 7 13.9 72°.69 4°.7/11.6 18

6 10	19 59.13	−33 21.4	2.204	3.071	11.7	20.6
6 20	19 53.72	−34 21.6	2.141	3.075	8.9	20.4
6 30	19 46.22	−35 17.9	2.102	3.080	6.3	20.2
7 10	19 37.37	−36 5.0	2.090	3.085	4.7	20.2
7 20	19 28.06	−36 38.9	2.104	3.089	5.6	20.2
7 30	19 19.34	−36 57.3	2.145	3.094	8.0	20.4
8 9	19 12.16	−37 0.8	2.211	3.099	10.7	20.6
8 19	19 7.15	−36 51.4	2.298	3.104	13.2	20.7

334009 2000 UK_{71} 7 13.9 292°.94 2°.4/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 58.95	−16 23.1	1.674	2.542	14.7	20.1
6 20	19 54.08	−16 6.8	1.579	2.518	11.2	19.8
6 30	19 46.73	−15 57.8	1.506	2.493	7.2	19.5
7 10	19 37.59	−15 55.4	1.457	2.468	3.2	19.2
7 20	19 27.62	−15 58.3	1.434	2.444	3.6	19.2
7 30	19 18.05	−16 5.0	1.437	2.419	7.9	19.4
8 9	19 10.07	−16 13.7	1.464	2.394	12.3	19.6
8 19	19 4.57	−16 23.3	1.511	2.370	16.3	19.7

158414 2002 AX_{64} 7 13.9 277°.88 0°.1/13.9 18

6 10	20 0.13	−20 46.7	1.775	2.645	13.9	20.5
6 20	19 54.87	−20 53.7	1.682	2.624	10.4	20.2
6 30	19 47.17	−21 5.4	1.611	2.602	6.4	19.9
7 10	19 37.71	−21 19.4	1.565	2.580	1.9	19.6
7 20	19 27.46	−21 32.8	1.546	2.557	2.9	19.6
7 30	19 17.64	−21 43.3	1.553	2.535	7.5	19.8
8 9	19 9.41	−21 49.7	1.585	2.512	11.8	20.0
8 19	19 3.62	−21 51.9	1.639	2.489	15.6	20.2

155484 1998 US_{34} 7 13.9 239°.15 2°.1/12.9 18

6 10	19 57.15	−27 20.3	2.675	3.538	10.0	20.4
6 20	19 51.90	−27 50.6	2.591	3.529	7.4	20.2
6 30	19 45.00	−28 20.8	2.532	3.520	4.6	20.1
7 10	19 37.01	−28 47.8	2.500	3.510	2.3	19.9
7 20	19 28.61	−29 9.0	2.497	3.500	3.1	19.9
7 30	19 20.59	−29 22.6	2.522	3.490	5.9	20.1
8 9	19 13.68	−29 28.2	2.573	3.480	8.7	20.3
8 19	19 8.45	−29 26.4	2.648	3.470	11.2	20.4

117841 2005 JR_{98} 7 13.9 13°.56 8°.9/17.8 17

6 10	19 51.89	− 2 54.2	1.029	1.900	21.5	19.1
6 20	19 49.37	− 2 38.8	0.979	1.905	17.6	18.9
6 30	19 44.01	− 2 53.9	0.944	1.911	13.5	18.7
7 10	19 36.79	− 3 41.0	0.929	1.918	10.0	18.5
7 20	19 28.99	− 4 56.7	0.933	1.928	9.0	18.5
7 30	19 22.10	− 6 33.7	0.959	1.938	11.3	18.6
8 9	19 17.41	− 8 21.2	1.005	1.950	15.0	18.9
8 19	19 15.70	−10 9.3	1.070	1.964	18.8	19.2

249748 2000 SK_{239} 7 13.9 296°.76 1°.3/13.4 18

6 10	19 58.19	−23 51.9	2.065	2.935	12.2	20.9
6 20	19 53.26	−24 15.8	1.962	2.904	9.1	20.7
6 30	19 46.14	−24 42.8	1.882	2.873	5.6	20.4
7 10	19 37.42	−25 9.6	1.828	2.842	1.9	20.1
7 20	19 27.92	−25 33.0	1.801	2.810	3.1	20.1
7 30	19 18.71	−25 50.2	1.801	2.779	7.1	20.3
8 9	19 10.82	−26 0.0	1.827	2.747	10.9	20.5
8 19	19 5.07	−26 2.5	1.875	2.715	14.4	20.6

510119 2010 TZ_{25} 7 13.9 333°.98 4°.6/15.6 18

6 10	19 54.83	− 9 24.4	1.913	2.762	13.9	21.2
6 20	19 50.53	− 9 3.9	1.834	2.755	11.0	21.0
6 30	19 44.32	− 8 55.5	1.777	2.748	7.8	20.8
7 10	19 36.84	− 8 59.7	1.745	2.742	5.2	20.6
7 20	19 28.89	− 9 15.7	1.738	2.736	4.9	20.6
7 30	19 21.41	− 9 41.6	1.756	2.731	7.5	20.7
8 9	19 15.27	−10 14.4	1.800	2.726	10.7	20.9
8 19	19 11.10	−10 51.1	1.865	2.721	13.8	21.1

437853 1999 VR_{111} 7 13.9 273°.65 5°.3/15.3 16

6 10	19 59.08	− 8 5.4	2.095	2.926	13.5	21.6
6 20	19 53.70	− 7 25.8	1.991	2.899	10.9	21.4
6 30	19 46.31	− 6 56.4	1.910	2.872	8.1	21.2
7 10	19 37.45	− 6 38.6	1.853	2.843	5.8	21.0
7 20	19 27.90	− 6 33.2	1.824	2.815	5.7	20.9
7 30	19 18.61	− 6 39.6	1.821	2.786	8.1	21.0
8 9	19 10.51	− 6 56.2	1.844	2.756	11.2	21.1
8 19	19 4.35	− 7 20.3	1.888	2.726	14.4	21.3

512396 2016 OL_{6} 7 13.9 210°.61 3°.5/12.0 18

6 10	20 0.21	−28 52.0	2.167	3.034	11.8	21.3
6 20	19 54.60	−29 59.2	2.092	3.030	8.9	21.1
6 30	19 46.84	−31 6.8	2.041	3.026	5.8	20.9
7 10	19 37.60	−32 9.3	2.017	3.021	3.6	20.8
7 20	19 27.77	−33 1.7	2.021	3.016	4.7	20.8
7 30	19 18.39	−33 40.9	2.052	3.011	7.7	21.0
8 9	19 10.46	−34 5.8	2.109	3.006	10.8	21.2
8 19	19 4.71	−34 17.7	2.187	3.000	13.5	21.4

192349 1995 SV_{44} 7 13.9 139°.21 0°.7/14.2 17

6 10	19 59.19	−18 44.6	1.868	2.734	13.5	21.3
6 20	19 53.79	−18 54.9	1.798	2.737	10.0	21.1
6 30	19 46.29	−19 11.2	1.751	2.740	6.1	20.9
7 10	19 37.43	−19 31.3	1.730	2.743	2.0	20.6
7 20	19 28.13	−19 52.5	1.735	2.746	2.6	20.7
7 30	19 19.45	−20 12.4	1.767	2.749	6.7	20.9
8 9	19 12.33	−20 29.5	1.825	2.751	10.5	21.2
8 19	19 7.43	−20 43.0	1.904	2.754	13.8	21.4

368657 2005 EZ_{213} 7 13.9 46°.98 4°.8/15.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 0.69	−12 29.1	1.137	2.016	19.3	20.3
6 20	19 55.44	−11 57.4	1.098	2.039	14.8	20.1
6 30	19 47.40	−11 41.4	1.078	2.062	9.9	19.9
7 10	19 37.72	−11 40.6	1.079	2.085	5.6	19.7
7 20	19 27.81	−11 53.1	1.103	2.109	5.5	19.8
7 30	19 19.14	−12 15.5	1.151	2.134	9.3	20.1
8 9	19 12.86	−12 43.7	1.220	2.159	13.6	20.4
8 19	19 9.58	−13 13.8	1.309	2.184	17.3	20.7

250979 2006 JB_{31} 7 13.9 3°.12 2°.9/14.9 18

6 10	19 56.66	−14 14.9	1.135	2.024	18.6	19.9
6 20	19 52.94	−14 24.4	1.075	2.023	14.2	19.6
6 30	19 46.23	−14 49.9	1.033	2.023	9.1	19.3
7 10	19 37.49	−15 29.1	1.012	2.023	4.1	19.0
7 20	19 28.03	−16 17.6	1.014	2.025	4.2	19.0
7 30	19 19.44	−17 10.0	1.039	2.027	9.2	19.3
8 9	19 13.12	−18 1.1	1.085	2.030	14.2	19.6
8 19	19 9.94	−18 47.2	1.149	2.033	18.6	19.9

157402 2004 TH_{241} 7 13.9 292°.81 2°.5/12.9 18

6 10	19 57.87	−28 18.5	2.255	3.124	11.3	20.5
6 20	19 52.73	−28 42.1	2.172	3.112	8.5	20.3
6 30	19 45.64	−29 4.7	2.112	3.100	5.4	20.1
7 10	19 37.26	−29 22.9	2.079	3.089	2.8	19.9
7 20	19 28.39	−29 33.6	2.074	3.077	3.7	20.0
7 30	19 19.99	−29 35.4	2.095	3.065	6.8	20.1
8 9	19 12.94	−29 28.1	2.142	3.054	10.0	20.3
8 19	19 7.90	−29 12.9	2.212	3.042	12.8	20.5

126892 2002 EL_{103} 7 13.9 189°.08 3°.7/12.3 18

6 10	20 2.24	−30 13.0	2.146	3.010	12.0	20.5
6 20	19 56.06	−31 2.8	2.073	3.009	9.1	20.3
6 30	19 47.69	−31 50.9	2.024	3.008	6.0	20.1
7 10	19 37.85	−32 32.1	2.002	3.006	3.8	20.0
7 20	19 27.49	−33 2.4	2.008	3.004	4.7	20.0
7 30	19 17.69	−33 19.3	2.041	3.001	7.7	20.2
8 9	19 9.46	−33 22.9	2.100	2.998	10.8	20.4
8 19	19 3.50	−33 15.2	2.180	2.994	13.5	20.6

313137 2001 CE_{11} 7 13.9 191°.40 3°.4/12.6 18

6 10	20 1.08	−33 45.5	2.823	3.676	9.8	21.0
6 20	19 54.67	−34 0.6	2.747	3.675	7.5	20.9
6 30	19 46.60	−34 10.6	2.696	3.673	5.1	20.7
7 10	19 37.49	−34 12.5	2.672	3.671	3.5	20.6
7 20	19 28.09	−34 4.5	2.677	3.668	4.1	20.6
7 30	19 19.22	−33 46.0	2.710	3.665	6.3	20.8
8 9	19 11.61	−33 18.0	2.771	3.662	8.7	20.9
8 19	19 5.81	−32 42.5	2.854	3.659	10.9	21.1

95095 2002 AH_{105} 7 13.9 356°.33 1°.9/13.9 18

6 10	20 3.52	−29 21.4	1.193	2.086	17.6	17.8
6 20	19 58.00	−28 25.4	1.128	2.081	13.3	17.5
6 30	19 49.19	−27 20.0	1.083	2.077	8.2	17.2
7 10	19 38.30	−26 3.6	1.060	2.074	3.0	16.9
7 20	19 26.93	−24 37.1	1.062	2.073	4.0	17.0
7 30	19 16.84	−23 4.7	1.088	2.073	9.4	17.3
8 9	19 9.43	−21 32.2	1.136	2.074	14.4	17.6
8 19	19 5.45	−20 4.5	1.203	2.077	18.6	17.8

62918 2000 VY_{9} 7 13.9 216°.99 0°.6/14.2 18

6 10	19 56.73	−18 49.0	2.363	3.222	11.2	20.1
6 20	19 51.64	−18 59.5	2.284	3.219	8.4	19.9
6 30	19 44.88	−19 14.9	2.228	3.216	5.1	19.7
7 10	19 37.03	−19 33.3	2.200	3.213	1.7	19.5
7 20	19 28.78	−19 52.7	2.199	3.210	2.2	19.5
7 30	19 20.97	−20 11.2	2.226	3.207	5.7	19.7
8 9	19 14.35	−20 27.5	2.280	3.203	8.9	19.9
8 19	19 9.47	−20 40.8	2.357	3.199	11.7	20.1

352105 2007 BS_{9} 7 13.9 74°.43 3°.1/12.9 17

6 10	20 1.31	−30 47.1	2.233	3.097	11.6	20.3
6 20	19 54.97	−31 3.2	2.182	3.119	8.7	20.2
6 30	19 46.78	−31 15.3	2.156	3.140	5.6	20.0
7 10	19 37.53	−31 20.0	2.155	3.161	3.2	19.9
7 20	19 28.12	−31 15.4	2.183	3.183	4.0	20.0
7 30	19 19.49	−31 1.0	2.238	3.204	6.7	20.2
8 9	19 12.43	−30 37.9	2.319	3.225	9.6	20.4
8 19	19 7.47	−30 8.3	2.423	3.245	12.1	20.6

179489 2002 CZ_{33} 7 13.9 64°.19 1°.1/13.4 18

6 10	19 56.93	−21 52.0	2.108	2.977	12.0	19.6
6 20	19 52.00	−22 42.4	2.042	2.984	8.9	19.4
6 30	19 45.19	−23 37.3	1.999	2.990	5.3	19.2
7 10	19 37.14	−24 33.0	1.983	2.997	1.7	19.0
7 20	19 28.67	−25 25.2	1.995	3.004	2.8	19.1
7 30	19 20.72	−26 10.7	2.034	3.010	6.4	19.3
8 9	19 14.14	−26 47.7	2.099	3.017	9.8	19.5
8 19	19 9.53	−27 15.7	2.186	3.024	12.7	19.8

189075 2001 DP_{105} 7 13.9 97°.38 5°.0/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 55.01	− 2 26.3	2.439	3.246	12.6	19.9
6 20	19 50.23	− 2 48.8	2.367	3.255	10.2	19.8
6 30	19 43.98	− 3 27.2	2.317	3.263	7.7	19.6
7 10	19 36.77	− 4 20.7	2.292	3.272	5.7	19.5
7 20	19 29.26	− 5 27.2	2.295	3.281	5.1	19.5
7 30	19 22.15	− 6 43.2	2.326	3.290	6.6	19.6
8 9	19 16.11	− 8 4.5	2.384	3.298	8.9	19.8
8 19	19 11.62	− 9 26.9	2.466	3.307	11.3	20.0

221889 2008 JR_{10} 7 13.9 316°.00 12°.2/16.9 17

6 10	19 53.85	+ 1 45.4	1.320	2.152	19.9	19.5
6 20	19 50.82	+ 2 53.2	1.229	2.121	17.4	19.2
6 30	19 45.09	+ 3 37.4	1.155	2.090	14.8	18.9
7 10	19 37.27	+ 3 51.2	1.100	2.060	12.7	18.7
7 20	19 28.34	+ 3 30.3	1.065	2.030	12.3	18.6
7 30	19 19.66	+ 2 34.4	1.050	2.002	14.0	18.6
8 9	19 12.65	+ 1 9.0	1.055	1.974	17.1	18.7
8 19	19 8.42	− 0 37.2	1.078	1.947	20.7	18.8

433313 2013 PL_{38} 7 13.9 274°.12 5°.6/12.8 17

6 10	20 6.38	−34 29.7	1.564	2.437	15.3	21.4
6 20	19 59.96	−34 51.0	1.488	2.425	11.9	21.2
6 30	19 50.41	−35 4.3	1.432	2.413	8.3	21.0
7 10	19 38.73	−35 3.3	1.401	2.401	5.7	20.8
7 20	19 26.31	−34 43.4	1.394	2.388	6.6	20.8
7 30	19 14.82	−34 4.0	1.413	2.376	10.1	21.0
8 9	19 5.69	−33 8.5	1.455	2.364	13.9	21.2
8 19	18 59.82	−32 2.4	1.517	2.351	17.5	21.4

483327 2016 PJ_{14} 7 13.9 305°.88 0°.9/13.8 18

6 10	20 1.51	−24 52.6	1.648	2.524	14.4	20.6
6 20	19 55.95	−24 36.1	1.566	2.511	10.8	20.4
6 30	19 47.82	−24 18.7	1.507	2.499	6.6	20.1
7 10	19 37.96	−23 58.0	1.472	2.486	2.0	19.8
7 20	19 27.47	−23 32.4	1.463	2.474	3.1	19.8
7 30	19 17.69	−23 1.5	1.481	2.462	7.8	20.1
8 9	19 9.78	−22 26.7	1.523	2.451	12.1	20.3
8 19	19 4.54	−21 49.7	1.586	2.440	15.9	20.5

254871 2005 SE_{12} 7 13.9 14°.41 5°.3/12.3 18

6 10	20 1.22	−35 15.1	1.887	2.757	13.2	19.9
6 20	19 55.52	−35 44.2	1.824	2.759	10.2	19.7
6 30	19 47.42	−36 6.1	1.784	2.761	7.3	19.5
7 10	19 37.80	−36 15.8	1.768	2.764	5.4	19.4
7 20	19 27.78	−36 9.8	1.778	2.766	6.1	19.4
7 30	19 18.59	−35 47.6	1.814	2.770	8.8	19.6
8 9	19 11.30	−35 11.3	1.874	2.773	11.8	19.8
8 19	19 6.57	−34 24.5	1.955	2.777	14.5	20.0

394344 2006 YL 7 13.9 338°.13 0°.3/13.8 18

6 10	19 56.22	−18 39.6	2.037	2.903	12.5	20.2
6 20	19 51.61	−19 39.6	1.960	2.901	9.3	20.0
6 30	19 45.05	−20 48.2	1.907	2.898	5.6	19.8
7 10	19 37.14	−22 1.2	1.881	2.895	1.6	19.5
7 20	19 28.70	−23 14.0	1.882	2.893	2.6	19.6
7 30	19 20.68	−24 21.9	1.911	2.891	6.5	19.8
8 9	19 13.98	−25 21.8	1.967	2.889	10.1	20.0
8 19	19 9.30	−26 12.0	2.045	2.887	13.2	20.2

230406 2002 JM_{144} 7 13.9 122°.61 3°.0/15.6 18

6 10	19 58.80	−10 20.9	2.098	2.937	13.2	20.5
6 20	19 53.22	−10 49.6	2.032	2.951	10.2	20.3
6 30	19 45.85	−11 30.8	1.990	2.965	6.8	20.2
7 10	19 37.34	−12 22.4	1.974	2.978	3.7	20.0
7 20	19 28.48	−13 21.3	1.986	2.991	3.4	20.0
7 30	19 20.16	−14 23.6	2.025	3.004	6.3	20.2
8 9	19 13.19	−15 25.7	2.092	3.015	9.6	20.4
8 19	19 8.13	−16 24.6	2.182	3.027	12.5	20.6

180345 2003 YE_{63} 7 13.9 257°.54 0°.3/13.8 18

6 10	20 0.29	−19 56.0	1.603	2.478	14.9	20.4
6 20	19 55.18	−20 32.9	1.523	2.467	11.1	20.2
6 30	19 47.47	−21 18.2	1.464	2.456	6.8	19.9
7 10	19 37.90	−22 7.9	1.429	2.444	1.9	19.6
7 20	19 27.54	−22 56.9	1.421	2.432	3.1	19.6
7 30	19 17.70	−23 40.9	1.439	2.421	8.0	19.9
8 9	19 9.64	−24 17.1	1.481	2.409	12.4	20.1
8 19	19 4.24	−24 44.5	1.544	2.396	16.3	20.3

255495 2006 AZ_{68} 7 13.9 301°.81 0°.1/13.9 18

6 10	19 55.82	−19 47.5	2.329	3.193	11.2	20.3
6 20	19 51.04	−20 15.4	2.253	3.192	8.3	20.1
6 30	19 44.57	−20 48.3	2.201	3.191	5.0	19.9
7 10	19 36.98	−21 23.6	2.175	3.190	1.5	19.6
7 20	19 29.01	−21 58.7	2.178	3.189	2.2	19.7
7 30	19 21.45	−22 31.1	2.208	3.188	5.7	19.9
8 9	19 15.09	−22 59.0	2.264	3.187	9.0	20.1
8 19	19 10.49	−23 21.6	2.344	3.186	11.8	20.3

517206 2013 XT_{26} 7 13.9 225°.73 2°.5/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 0.16	−15 34.4	1.958	2.814	13.4	21.8
6 20	19 54.47	−15 12.8	1.877	2.808	10.2	21.6
6 30	19 46.73	−14 57.8	1.819	2.802	6.6	21.3
7 10	19 37.63	−14 48.9	1.786	2.795	3.2	21.1
7 20	19 28.03	−14 45.2	1.781	2.789	3.4	21.1
7 30	19 18.97	−14 45.6	1.803	2.782	6.9	21.3
8 9	19 11.37	−14 48.9	1.850	2.774	10.6	21.5
8 19	19 5.90	−14 54.0	1.920	2.767	13.8	21.7

336475 2008 VF_{24} 7 13.9 315°.77 5°.7/11.1 18

6 10	19 58.15	−29 54.8	1.478	2.367	15.1	20.8
6 20	19 54.19	−31 27.1	1.398	2.346	11.5	20.5
6 30	19 47.20	−33 2.9	1.339	2.325	7.9	20.2
7 10	19 37.90	−34 33.3	1.303	2.305	5.7	20.0
7 20	19 27.47	−35 49.3	1.293	2.285	7.3	20.1
7 30	19 17.48	−36 44.2	1.306	2.266	11.1	20.2
8 9	19 9.52	−37 16.0	1.342	2.247	15.1	20.4
8 19	19 4.69	−37 26.6	1.396	2.230	18.7	20.6

21320 1996 XF_{31} 7 13.9 284°.69 2°.8/14.4 18

6 10	20 1.94	−16 59.2	1.767	2.628	14.3	18.0
6 20	19 56.15	−16 11.8	1.673	2.607	11.0	17.8
6 30	19 47.94	−15 27.9	1.601	2.586	7.2	17.5
7 10	19 38.03	−14 47.8	1.555	2.564	3.5	17.2
7 20	19 27.40	−14 12.1	1.535	2.542	3.9	17.2
7 30	19 17.26	−13 41.2	1.542	2.521	7.9	17.4
8 9	19 8.72	−13 15.6	1.574	2.499	12.0	17.6
8 19	19 2.61	−12 54.9	1.628	2.477	15.8	17.8

232871 2004 VM_{6} 7 13.9 229°.19 0°.5/14.2 18

6 10	19 59.24	−19 2.5	2.015	2.878	12.8	20.9
6 20	19 53.85	−19 19.6	1.932	2.870	9.5	20.6
6 30	19 46.40	−19 42.8	1.873	2.862	5.8	20.4
7 10	19 37.55	−20 9.5	1.840	2.854	1.8	20.1
7 20	19 28.16	−20 37.0	1.835	2.846	2.5	20.2
7 30	19 19.24	−21 2.5	1.857	2.837	6.6	20.4
8 9	19 11.74	−21 24.5	1.904	2.828	10.3	20.6
8 19	19 6.34	−21 42.1	1.974	2.819	13.6	20.8

96435 1998 FT_{63} 7 13.9 92°.24 0°.6/14.2 17

6 10	20 2.45	−18 21.1	1.481	2.354	16.0	19.7
6 20	19 56.52	−18 44.9	1.429	2.371	11.9	19.5
6 30	19 48.06	−19 17.0	1.397	2.388	7.2	19.2
7 10	19 38.02	−19 53.6	1.390	2.405	2.2	19.0
7 20	19 27.60	−20 30.4	1.409	2.421	3.0	19.1
7 30	19 18.12	−21 3.9	1.454	2.437	7.7	19.4
8 9	19 10.69	−21 31.9	1.523	2.453	12.0	19.7
8 19	19 5.98	−21 53.6	1.613	2.468	15.6	20.0

260275 2004 TK_{6} 7 13.9 281°.74 1°.4/13.2 18

6 10	19 56.85	−23 18.2	2.350	3.216	11.1	20.7
6 20	19 52.02	−24 3.9	2.255	3.195	8.2	20.5
6 30	19 45.31	−24 53.8	2.184	3.175	5.0	20.2
7 10	19 37.27	−25 44.4	2.141	3.154	1.8	20.0
7 20	19 28.62	−26 31.9	2.125	3.133	2.9	20.0
7 30	19 20.25	−27 13.2	2.138	3.112	6.3	20.2
8 9	19 13.02	−27 46.4	2.177	3.091	9.7	20.4
8 19	19 7.64	−28 10.9	2.238	3.070	12.6	20.5

117465 2005 BJ_{9} 7 13.9 273°.02 1°.5/14.8 18

6 10	19 57.51	−14 16.1	1.886	2.745	13.7	20.0
6 20	19 52.77	−15 0.9	1.798	2.732	10.4	19.7
6 30	19 45.88	−15 58.6	1.734	2.719	6.6	19.5
7 10	19 37.46	−17 6.3	1.694	2.706	2.6	19.2
7 20	19 28.34	−18 19.6	1.682	2.693	2.8	19.2
7 30	19 19.59	−19 33.6	1.698	2.680	6.9	19.4
8 9	19 12.21	−20 43.8	1.739	2.667	10.9	19.6
8 19	19 6.99	−21 47.3	1.803	2.653	14.4	19.8

291061 2005 YZ_{79} 7 13.9 326°.29 0°.6/13.7 18

6 10	19 55.54	−21 53.7	1.914	2.790	12.8	20.6
6 20	19 51.28	−22 16.6	1.831	2.777	9.5	20.4
6 30	19 44.94	−22 44.0	1.771	2.764	5.7	20.1
7 10	19 37.17	−23 12.9	1.736	2.751	1.7	19.8
7 20	19 28.83	−23 40.2	1.728	2.739	2.7	19.9
7 30	19 20.95	−24 3.0	1.746	2.727	6.9	20.1
8 9	19 14.49	−24 20.0	1.789	2.716	10.7	20.3
8 19	19 10.18	−24 30.6	1.853	2.706	14.0	20.5

305353 2008 BM_{13} 7 13.9 170°.45 3°.8/12.1 18

6 10	19 59.54	−30 46.4	2.232	3.099	11.5	21.1
6 20	19 54.03	−31 40.7	2.163	3.100	8.7	20.9
6 30	19 46.49	−32 33.0	2.118	3.101	5.8	20.7
7 10	19 37.60	−33 18.5	2.100	3.101	3.9	20.6
7 20	19 28.23	−33 53.1	2.109	3.102	4.8	20.7
7 30	19 19.39	−34 14.6	2.145	3.103	7.5	20.9
8 9	19 12.01	−34 22.9	2.206	3.103	10.4	21.0
8 19	19 6.75	−34 19.4	2.290	3.103	13.0	21.2

61095 2000 LP_{28} 7 13.9 332°.73 2°.0/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 52.95	−13 54.9	1.030	1.929	19.2	17.6
6 20	19 50.72	−14 38.3	0.957	1.912	14.8	17.2
6 30	19 45.28	−15 44.5	0.902	1.896	9.4	16.9
7 10	19 37.41	−17 10.2	0.867	1.881	3.7	16.5
7 20	19 28.40	−18 48.0	0.854	1.867	3.9	16.5
7 30	19 19.98	−20 28.1	0.863	1.854	10.0	16.8
8 9	19 13.87	−22 1.5	0.892	1.843	15.7	17.0
8 19	19 11.21	−23 21.9	0.938	1.833	20.7	17.3

85427 1997 AE_{13} 7 13.9 75°.21 3°.4/12.7 17

6 10	20 3.78	−26 13.2	1.414	2.296	16.0	19.0
6 20	19 57.74	−27 18.5	1.370	2.317	11.9	18.8
6 30	19 48.89	−28 24.9	1.348	2.339	7.3	18.6
7 10	19 38.29	−29 24.9	1.350	2.360	3.7	18.5
7 20	19 27.30	−30 12.4	1.378	2.382	5.0	18.6
7 30	19 17.41	−30 43.9	1.431	2.403	9.1	18.9
8 9	19 9.84	−30 59.6	1.507	2.424	13.0	19.2
8 19	19 5.29	−31 1.8	1.603	2.445	16.3	19.4

218390 2004 PH_{40} 7 13.9 307°.49 4°.2/15.9 18

6 10	19 54.29	− 8 27.3	2.051	2.894	13.4	19.8
6 20	19 50.21	− 8 33.1	1.956	2.873	10.6	19.6
6 30	19 44.26	− 8 52.9	1.884	2.854	7.5	19.4
7 10	19 36.99	− 9 26.4	1.836	2.834	4.8	19.2
7 20	19 29.13	−10 12.0	1.814	2.814	4.5	19.1
7 30	19 21.57	−11 6.9	1.819	2.795	7.1	19.3
8 9	19 15.18	−12 7.1	1.849	2.776	10.4	19.4
8 19	19 10.65	−13 8.9	1.902	2.757	13.6	19.6

193721 2001 FN_{107} 7 13.9 132°.67 5°.0/12.2 18

6 10	20 2.59	−33 39.7	1.904	2.772	13.2	19.8
6 20	19 56.57	−34 22.3	1.840	2.775	10.1	19.6
6 30	19 48.12	−34 59.7	1.799	2.778	7.0	19.4
7 10	19 38.08	−35 26.1	1.782	2.780	5.0	19.3
7 20	19 27.57	−35 37.6	1.793	2.782	5.9	19.4
7 30	19 17.84	−35 32.6	1.829	2.785	8.7	19.5
8 9	19 9.97	−35 12.7	1.889	2.787	11.8	19.7
8 19	19 4.68	−34 41.1	1.971	2.789	14.6	19.9

41574 2000 SQ_{1} 7 13.9 317°.00 21°.4/25.5 18

6 10	20 6.91	−48 16.0	0.852	1.741	23.2	17.6
6 20	20 5.49	−53 36.5	0.813	1.726	21.7	17.4
6 30	19 57.25	−58 41.2	0.794	1.712	21.6	17.3
7 10	19 41.75	−62 56.8	0.794	1.698	23.1	17.3
7 20	19 20.81	−65 56.7	0.810	1.685	25.6	17.4
7 30	18 59.69	−67 31.9	0.840	1.673	28.3	17.6
8 9	18 44.73	−67 53.4	0.879	1.662	30.9	17.8
8 19	18 39.62	−67 20.7	0.925	1.652	33.1	17.9

239946 2001 CA_{41} 7 13.9 182°.05 2°.6/12.5 18

6 10	20 1.06	−27 8.7	2.422	3.282	11.0	21.5
6 20	19 55.00	−28 7.5	2.347	3.283	8.2	21.3
6 30	19 47.04	−29 7.2	2.297	3.283	5.2	21.1
7 10	19 37.78	−30 3.2	2.275	3.283	2.8	21.0
7 20	19 28.03	−30 51.3	2.282	3.282	3.8	21.0
7 30	19 18.70	−31 28.9	2.318	3.281	6.7	21.2
8 9	19 10.68	−31 54.9	2.379	3.279	9.6	21.4
8 19	19 4.60	−32 10.1	2.465	3.276	12.2	21.6

435359 2007 VD_{242} 7 13.9 336°.02 5°.3/10.9 18

6 10	19 53.85	−26 15.0	1.281	2.183	16.0	19.5
6 20	19 51.27	−28 11.9	1.203	2.161	12.1	19.2
6 30	19 45.60	−30 19.7	1.147	2.140	8.0	18.9
7 10	19 37.53	−32 28.3	1.113	2.120	5.3	18.7
7 20	19 28.23	−34 25.6	1.104	2.101	7.3	18.8
7 30	19 19.35	−36 1.7	1.118	2.084	11.7	19.0
8 9	19 12.58	−37 11.5	1.153	2.069	16.2	19.2
8 19	19 9.13	−37 55.1	1.205	2.055	20.1	19.4

514743 2007 CS_{70} 7 13.9 239°.79 1°.4/14.8 18

6 10	19 55.92	−15 13.4	2.490	3.341	11.0	22.1
6 20	19 51.07	−15 36.3	2.403	3.332	8.3	21.9
6 30	19 44.61	−16 7.1	2.339	3.323	5.3	21.7
7 10	19 37.07	−16 43.8	2.302	3.313	2.2	21.5
7 20	19 29.10	−17 24.2	2.294	3.304	2.3	21.5
7 30	19 21.44	−18 5.6	2.314	3.294	5.5	21.7
8 9	19 14.84	−18 45.9	2.361	3.284	8.6	21.8
8 19	19 9.86	−19 23.3	2.432	3.274	11.4	22.0

82347 2001 LO_{18} 7 13.9 99°.90 4°.8/15.8 18

6 10	19 59.47	− 9 18.5	1.579	2.430	16.2	19.4
6 20	19 54.23	− 9 8.5	1.516	2.438	12.7	19.2
6 30	19 46.71	− 9 13.9	1.473	2.446	8.9	19.0
7 10	19 37.69	− 9 34.2	1.454	2.454	5.6	18.8
7 20	19 28.23	−10 7.5	1.461	2.462	5.2	18.8
7 30	19 19.48	−10 50.4	1.493	2.470	8.2	19.0
8 9	19 12.47	−11 38.6	1.549	2.477	11.9	19.2
8 19	19 7.89	−12 28.1	1.626	2.485	15.3	19.5

338032 2002 GZ_{180} 7 13.9 25°.19 5°.8/16.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 54.93	− 7 38.5	1.318	2.183	18.0	20.5
6 20	19 51.16	− 7 31.9	1.265	2.194	14.2	20.3
6 30	19 44.95	− 7 45.5	1.232	2.205	10.2	20.1
7 10	19 37.20	− 8 18.9	1.220	2.218	6.7	20.0
7 20	19 29.01	− 9 9.0	1.231	2.232	6.1	20.0
7 30	19 21.66	−10 10.9	1.266	2.246	9.0	20.2
8 9	19 16.20	−11 18.3	1.323	2.262	12.7	20.4
8 19	19 13.31	−12 25.7	1.401	2.278	16.3	20.7

392114 2009 FP_{7} 7 13.9 61°.65 1°.0/13.6 16

6 10	19 58.22	−22 45.2	1.921	2.794	12.9	21.2
6 20	19 53.09	−23 15.2	1.859	2.802	9.5	21.0
6 30	19 45.92	−23 48.5	1.819	2.811	5.7	20.8
7 10	19 37.46	−24 21.5	1.806	2.820	1.8	20.6
7 20	19 28.61	−24 50.9	1.819	2.829	2.9	20.7
7 30	19 20.40	−25 14.1	1.859	2.838	6.7	20.9
8 9	19 13.74	−25 30.1	1.924	2.847	10.3	21.2
8 19	19 9.26	−25 38.9	2.012	2.856	13.4	21.4

257529 1997 WA_{14} 7 13.9 288°.59 3°.4/14.7 18

6 10	20 0.80	−15 31.9	1.358	2.233	17.0	20.4
6 20	19 55.92	−15 0.3	1.274	2.215	13.1	20.1
6 30	19 48.13	−14 37.4	1.211	2.197	8.6	19.8
7 10	19 38.21	−14 23.3	1.170	2.179	4.3	19.5
7 20	19 27.37	−14 17.1	1.153	2.162	4.6	19.5
7 30	19 17.09	−14 17.8	1.161	2.144	9.2	19.7
8 9	19 8.82	−14 23.6	1.191	2.126	14.1	19.9
8 19	19 3.53	−14 32.7	1.240	2.109	18.5	20.1

488381 2016 WR_{46} 7 13.9 203°.58 3°.8/11.5 18

6 10	19 58.94	−34 17.2	3.094	3.946	9.1	22.0
6 20	19 53.20	−35 9.6	3.016	3.941	7.0	21.9
6 30	19 45.86	−35 58.5	2.964	3.936	5.0	21.8
7 10	19 37.44	−36 40.3	2.939	3.930	3.9	21.7
7 20	19 28.60	−37 11.9	2.943	3.923	4.5	21.7
7 30	19 20.10	−37 31.7	2.976	3.917	6.4	21.8
8 9	19 12.66	−37 39.5	3.034	3.910	8.5	22.0
8 19	19 6.84	−37 36.7	3.116	3.902	10.5	22.1

136806 1997 EG_{32} 7 13.9 11°.94 0°.5/14.1 17

6 10	19 57.07	−19 42.4	1.136	2.034	17.9	20.0
6 20	19 53.28	−19 49.6	1.081	2.036	13.4	19.7
6 30	19 46.48	−20 5.3	1.044	2.040	8.2	19.4
7 10	19 37.69	−20 26.1	1.029	2.044	2.5	19.1
7 20	19 28.31	−20 48.1	1.037	2.050	3.5	19.2
7 30	19 19.93	−21 7.6	1.068	2.056	9.0	19.5
8 9	19 13.90	−21 22.5	1.120	2.064	14.0	19.8
8 19	19 11.01	−21 32.0	1.190	2.072	18.2	20.1

80472 2000 AN_{29} 7 13.9 265°.43 1°.6/13.4 18

6 10	20 0.90	−22 47.9	1.632	2.508	14.6	19.8
6 20	19 55.75	−23 31.3	1.548	2.493	10.9	19.5
6 30	19 47.92	−24 20.8	1.485	2.477	6.6	19.2
7 10	19 38.15	−25 11.7	1.448	2.461	2.3	18.9
7 20	19 27.51	−25 58.5	1.436	2.445	3.6	19.0
7 30	19 17.35	−26 36.8	1.451	2.429	8.3	19.2
8 9	19 8.97	−27 4.4	1.489	2.412	12.7	19.4
8 19	19 3.29	−27 21.4	1.549	2.396	16.5	19.6

234272 2000 WT_{23} 7 13.9 270°.68 2°.9/15.1 18

6 10	19 59.04	−12 57.2	1.988	2.838	13.4	21.5
6 20	19 53.90	−12 57.7	1.887	2.813	10.4	21.3
6 30	19 46.61	−13 8.6	1.808	2.787	7.0	21.0
7 10	19 37.75	−13 29.0	1.754	2.761	3.7	20.8
7 20	19 28.14	−13 57.4	1.727	2.734	3.6	20.7
7 30	19 18.80	−14 31.2	1.728	2.707	7.1	20.9
8 9	19 10.74	−15 7.7	1.754	2.679	11.0	21.0
8 19	19 4.75	−15 44.5	1.803	2.651	14.5	21.2

360944 2005 UA_{38} 7 13.9 173°.20 3°.3/12.2 18

6 10	19 58.45	−30 14.1	2.489	3.353	10.6	21.4
6 20	19 53.05	−31 2.9	2.418	3.354	8.0	21.2
6 30	19 45.85	−31 50.0	2.372	3.355	5.3	21.0
7 10	19 37.47	−32 31.4	2.353	3.356	3.4	20.9
7 20	19 28.66	−33 3.7	2.362	3.356	4.2	21.0
7 30	19 20.32	−33 24.7	2.398	3.357	6.7	21.1
8 9	19 13.25	−33 34.3	2.460	3.357	9.4	21.3
8 19	19 8.05	−33 33.6	2.545	3.357	11.9	21.5

244865 2003 UM_{217} 7 13.9 305°.88 3°.3/12.6 18

6 10	19 59.53	−27 36.8	1.788	2.665	13.5	20.1
6 20	19 54.46	−28 29.6	1.716	2.661	10.1	19.8
6 30	19 46.98	−29 23.3	1.668	2.657	6.4	19.6
7 10	19 37.84	−30 12.4	1.645	2.653	3.5	19.4
7 20	19 28.09	−30 51.9	1.648	2.650	4.7	19.5
7 30	19 18.94	−31 18.5	1.677	2.646	8.2	19.7
8 9	19 11.52	−31 31.5	1.730	2.643	11.9	19.9
8 19	19 6.61	−31 32.4	1.804	2.639	15.1	20.1

449945 2015 OD_{46} 7 13.9 41°.62 4°.1/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	20 2.52	−32 53.4	1.831	2.702	13.5	20.3
6 20	19 56.40	−33 4.4	1.773	2.711	10.2	20.1
6 30	19 47.94	−33 9.1	1.737	2.720	6.8	19.9
7 10	19 38.06	−33 3.3	1.727	2.730	4.3	19.8
7 20	19 27.89	−32 44.6	1.742	2.740	5.1	19.8
7 30	19 18.66	−32 13.0	1.784	2.750	8.1	20.0
8 9	19 11.36	−31 30.8	1.851	2.760	11.4	20.2
8 19	19 6.60	−30 41.4	1.939	2.771	14.3	20.5

181829 1998 SY_{62} 7 13.9 253°.51 4°.2/15.4 18

6 10	19 59.24	−10 51.1	1.717	2.569	15.1	20.7
6 20	19 54.16	−10 39.1	1.633	2.558	11.8	20.4
6 30	19 46.79	−10 39.9	1.571	2.546	8.2	20.2
7 10	19 37.81	−10 53.3	1.532	2.535	4.9	20.0
7 20	19 28.16	−11 18.0	1.520	2.523	4.7	19.9
7 30	19 18.98	−11 51.5	1.533	2.511	8.0	20.1
8 9	19 11.35	−12 30.4	1.571	2.498	11.9	20.3
8 19	19 6.05	−13 11.5	1.630	2.486	15.4	20.5

490006 2008 ST_{218} 7 13.9 303°.38 9°.9/16.9 18

6 10	19 55.80	+ 0 33.4	1.625	2.442	17.4	21.4
6 20	19 51.77	+ 1 28.0	1.536	2.421	14.9	21.2
6 30	19 45.45	+ 2 2.3	1.467	2.400	12.3	21.0
7 10	19 37.44	+ 2 12.2	1.418	2.379	10.4	20.8
7 20	19 28.66	+ 1 55.7	1.393	2.359	10.0	20.7
7 30	19 20.22	+ 1 13.6	1.390	2.339	11.5	20.8
8 9	19 13.25	+ 0 10.3	1.410	2.319	14.3	20.9
8 19	19 8.59	− 1 7.5	1.449	2.299	17.3	21.0

59833 Danimatter 7 14.0 352°.45 2°.8/13.1 18

6 10	20 0.07	−29 34.9	2.019	2.889	12.4	18.5
6 20	19 54.49	−29 45.1	1.947	2.888	9.3	18.3
6 30	19 46.80	−29 52.3	1.899	2.887	5.9	18.1
7 10	19 37.76	−29 52.8	1.877	2.886	3.1	17.9
7 20	19 28.32	−29 44.4	1.881	2.885	4.0	17.9
7 30	19 19.56	−29 26.3	1.913	2.884	7.2	18.1
8 9	19 12.42	−28 59.5	1.969	2.884	10.5	18.3
8 19	19 7.53	−28 26.0	2.048	2.884	13.5	18.5

206066 2002 QK_{121} 7 14.0 271°.44 0°.1/14.0 18

6 10	19 59.19	−21 18.5	1.951	2.819	12.9	20.9
6 20	19 53.93	−21 22.5	1.868	2.809	9.6	20.6
6 30	19 46.54	−21 30.0	1.808	2.799	5.8	20.4
7 10	19 37.72	−21 38.7	1.774	2.788	1.7	20.1
7 20	19 28.36	−21 46.4	1.767	2.778	2.6	20.1
7 30	19 19.50	−21 51.3	1.787	2.768	6.7	20.4
8 9	19 12.13	−21 52.6	1.832	2.758	10.6	20.6
8 19	19 6.95	−21 50.3	1.899	2.747	13.9	20.8

289063 2004 TR_{200} 7 14.0 164°.32 0°.8/14.4 18

6 10	19 55.97	−18 5.9	2.591	3.446	10.5	21.3
6 20	19 51.00	−18 18.5	2.514	3.448	7.8	21.1
6 30	19 44.52	−18 36.0	2.462	3.449	4.8	21.0
7 10	19 37.09	−18 56.6	2.438	3.451	1.6	20.7
7 20	19 29.33	−19 18.6	2.441	3.452	2.0	20.8
7 30	19 21.98	−19 40.2	2.474	3.454	5.2	21.0
8 9	19 15.69	−19 59.9	2.532	3.455	8.2	21.2
8 19	19 10.97	−20 16.9	2.615	3.456	10.8	21.4

75719 2000 AZ_{122} 7 14.0 90°.69 2°.4/14.9 18

6 10	19 58.16	−14 34.2	1.906	2.764	13.6	19.9
6 20	19 53.01	−14 30.2	1.837	2.769	10.3	19.7
6 30	19 45.89	−14 35.1	1.791	2.774	6.7	19.5
7 10	19 37.51	−14 47.6	1.770	2.779	3.2	19.3
7 20	19 28.74	−15 5.8	1.776	2.784	3.3	19.3
7 30	19 20.55	−15 27.6	1.808	2.789	6.7	19.5
8 9	19 13.84	−15 50.9	1.866	2.794	10.3	19.7
8 19	19 9.20	−16 13.7	1.946	2.799	13.4	20.0

159382 1998 FQ_{110} 7 14.0 12°.10 8°.8/15.7 18

6 10	19 51.48	− 9 26.0	0.908	1.807	21.2	17.7
6 20	19 49.25	− 7 49.4	0.869	1.815	17.0	17.5
6 30	19 44.04	− 6 33.0	0.847	1.826	12.7	17.3
7 10	19 37.01	− 5 41.9	0.844	1.840	9.4	17.2
7 20	19 29.58	− 5 18.2	0.860	1.856	9.1	17.2
7 30	19 23.30	− 5 20.1	0.896	1.875	11.9	17.4
8 9	19 19.40	− 5 41.8	0.950	1.896	15.7	17.7
8 19	19 18.53	− 6 16.3	1.022	1.919	19.3	18.0

388826 2008 CU_{154} 7 14.0 8°.43 0°.3/13.9 18

6 10	19 55.96	−20 16.9	1.834	2.709	13.3	20.3
6 20	19 51.59	−20 52.3	1.765	2.710	9.8	20.0
6 30	19 45.14	−21 34.2	1.719	2.711	5.9	19.8
7 10	19 37.32	−22 18.8	1.699	2.713	1.7	19.5
7 20	19 29.03	−23 2.4	1.704	2.716	2.7	19.6
7 30	19 21.29	−23 41.4	1.737	2.718	6.8	19.9
8 9	19 15.06	−24 13.7	1.794	2.722	10.6	20.1
8 19	19 11.01	−24 38.5	1.872	2.725	13.9	20.3

247695 2003 BE_{37} 7 14.0 35°.78 6°.0/17.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 10	19 54.78	− 3 36.5	1.890	2.718	14.9	20.2
6 20	19 50.49	− 3 39.4	1.824	2.726	12.1	20.0
6 30	19 44.37	− 4 0.5	1.780	2.734	9.1	19.8
7 10	19 37.08	− 4 39.7	1.759	2.743	6.6	19.7
7 20	19 29.42	− 5 34.9	1.763	2.752	6.1	19.7
7 30	19 22.28	− 6 42.3	1.793	2.761	7.9	19.8
8 9	19 16.50	− 7 57.0	1.848	2.771	10.6	20.0
8 19	19 12.65	− 9 13.8	1.926	2.781	13.4	20.2

77396 2001 FM_{159} 7 14.0 215°.40 0°.3/13.9 18

6 10	19 59.48	−21 34.6	1.978	2.845	12.8	19.7
6 20	19 54.07	−21 48.8	1.902	2.843	9.5	19.5
6 30	19 46.60	−22 6.8	1.849	2.840	5.7	19.3
7 10	19 37.75	−22 25.8	1.823	2.837	1.7	19.0
7 20	19 28.42	−22 43.0	1.823	2.834	2.6	19.0
7 30	19 19.65	−22 56.4	1.851	2.831	6.6	19.3
8 9	19 12.37	−23 5.0	1.904	2.828	10.3	19.5
8 19	19 7.25	−23 8.7	1.980	2.825	13.5	19.7

119015 2000 YX_{136} 7 14.0 146°.03 5°.7/17.2 18

6 10	19 55.10	− 0 47.6	2.873	3.661	11.3	20.4
6 20	19 50.14	− 0 23.8	2.800	3.669	9.4	20.3
6 30	19 43.93	− 0 12.6	2.750	3.677	7.5	20.2
7 10	19 36.93	− 0 14.9	2.725	3.684	6.1	20.1
7 20	19 29.67	− 0 30.3	2.726	3.692	5.7	20.1
7 30	19 22.77	− 0 57.7	2.755	3.698	6.8	20.1
8 9	19 16.78	− 1 34.5	2.811	3.705	8.5	20.3
8 19	19 12.12	− 2 17.9	2.890	3.711	10.4	20.4

206190 2002 TH_{376} 7 14.0 311°.54 1°.9/13.2 18

6 10	19 57.84	−24 11.0	1.763	2.641	13.5	20.1
6 20	19 53.25	−24 50.3	1.684	2.630	10.1	19.9
6 30	19 46.30	−25 33.4	1.627	2.619	6.2	19.6
7 10	19 37.71	−26 15.9	1.596	2.609	2.4	19.4
7 20	19 28.46	−26 53.4	1.590	2.598	3.6	19.4
7 30	19 19.72	−27 22.3	1.611	2.588	7.7	19.7
8 9	19 12.62	−27 41.2	1.656	2.578	11.7	19.9
8 19	19 7.93	−27 50.4	1.721	2.569	15.1	20.1

444199 2005 SQ_{146} 7 14.0 274°.01 1°.6/13.3 15

6 10	19 58.24	−25 20.4	2.298	3.165	11.3	22.1
6 20	19 53.09	−25 46.1	2.207	3.147	8.4	21.9
6 30	19 46.01	−26 13.2	2.140	3.129	5.2	21.7
7 10	19 37.61	−26 38.5	2.099	3.111	2.1	21.4
7 20	19 28.64	−26 59.0	2.086	3.093	3.0	21.5
7 30	19 20.04	−27 12.6	2.101	3.075	6.4	21.6
8 9	19 12.70	−27 18.7	2.141	3.057	9.8	21.8
8 19	19 7.29	−27 17.4	2.205	3.038	12.7	22.0

476053 2007 RB_{313} 7 14.0 296°.29 6°.5/12.1 18

6 10	20 4.46	−37 38.0	1.795	2.660	14.0	20.9
6 20	19 58.42	−38 10.4	1.714	2.643	11.1	20.7
6 30	19 49.53	−38 33.9	1.655	2.626	8.3	20.5
7 10	19 38.67	−38 41.9	1.621	2.610	6.6	20.3
7 20	19 27.09	−38 30.1	1.611	2.593	7.3	20.3
7 30	19 16.29	−37 57.1	1.627	2.577	10.1	20.5
8 9	19 7.58	−37 5.9	1.666	2.561	13.3	20.6
8 19	19 1.83	−36 1.3	1.726	2.545	16.3	20.8

522935 2016 PC_{112} 7 14.0 238°.67 0°.5/13.8 18

6 10	19 58.15	−21 33.2	2.105	2.972	12.1	21.5
6 20	19 53.02	−21 58.7	2.027	2.968	9.0	21.3
6 30	19 45.95	−22 28.4	1.973	2.963	5.4	21.1
7 10	19 37.58	−22 59.3	1.945	2.959	1.6	20.8
7 20	19 28.73	−23 28.3	1.944	2.954	2.5	20.9
7 30	19 20.35	−23 53.0	1.970	2.950	6.4	21.1
8 9	19 13.33	−24 12.0	2.023	2.945	9.9	21.3
8 19	19 8.33	−24 24.8	2.098	2.940	13.0	21.5

351899 2006 SZ_{249} 7 14.0 230°.46 0°.6/13.8 18

6 10	19 58.56	−22 37.4	2.235	3.099	11.6	21.6
6 20	19 53.22	−22 52.8	2.155	3.094	8.6	21.4
6 30	19 46.02	−23 10.7	2.099	3.089	5.2	21.2
7 10	19 37.59	−23 28.6	2.069	3.083	1.6	20.9
7 20	19 28.72	−23 44.1	2.067	3.078	2.5	21.0
7 30	19 20.32	−23 55.3	2.093	3.072	6.1	21.2
8 9	19 13.23	−24 1.5	2.145	3.066	9.5	21.4
8 19	19 8.06	−24 2.7	2.220	3.059	12.5	21.6

92309 2000 FV_{43} 7 14.0 55°.50 0°.4/14.1 17

6 10	20 0.96	−18 18.2	1.147	2.036	18.4	19.1
6 20	19 56.11	−18 54.2	1.097	2.048	13.7	18.8
6 30	19 48.18	−19 41.6	1.067	2.060	8.3	18.6
7 10	19 38.26	−20 35.3	1.058	2.073	2.5	18.3
7 20	19 27.79	−21 28.8	1.074	2.086	3.5	18.4
7 30	19 18.42	−22 16.7	1.113	2.099	9.0	18.7
8 9	19 11.50	−22 55.7	1.174	2.112	14.0	19.1
8 19	19 7.82	−23 24.8	1.253	2.126	18.1	19.4