475516 2006 SK_{364} 5 18.9 237°.26 1°.7/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 10.80	−24 46.5	2.505	3.299	12.2	21.6
4 21	16 6.05	−25 5.1	2.405	3.291	9.7	21.4
5 1	15 59.28	−25 17.4	2.328	3.282	6.8	21.2
5 11	15 51.02	−25 22.5	2.278	3.273	3.6	21.0
5 21	15 41.97	−25 20.5	2.255	3.264	1.7	20.9
5 31	15 32.98	−25 12.6	2.261	3.254	4.3	21.0
6 10	15 24.92	−25 1.2	2.295	3.245	7.5	21.2
6 20	15 18.44	−24 49.2	2.354	3.235	10.5	21.4

284046 2005 AU_{61} 5 18.9 160°.45 4°.2/24.2 18

4 11	16 5.16	−43 44.1	4.885	5.575	8.0	20.8
4 21	16 0.90	−44 4.4	4.789	5.577	6.9	20.7
5 1	15 55.43	−44 15.4	4.715	5.579	5.8	20.7
5 11	15 49.14	−44 16.1	4.665	5.581	4.8	20.6
5 21	15 42.46	−44 6.2	4.643	5.583	4.2	20.5
5 31	15 35.88	−43 46.1	4.648	5.584	4.4	20.6
6 10	15 29.88	−43 17.6	4.679	5.586	5.1	20.6
6 20	15 24.85	−42 42.7	4.737	5.587	6.2	20.7

112352 2002 NK_{12} 5 18.9 287°.23 0°.8/19.4 18

4 11	16 9.40	−23 3.7	1.962	2.776	14.4	20.0
4 21	16 5.58	−22 55.9	1.856	2.755	11.4	19.7
5 1	15 59.30	−22 39.3	1.772	2.734	7.8	19.5
5 11	15 51.14	−22 14.2	1.713	2.713	3.8	19.2
5 21	15 41.93	−21 41.9	1.680	2.691	1.0	18.9
5 31	15 32.75	−21 5.5	1.675	2.670	5.2	19.2
6 10	15 24.67	−20 29.3	1.695	2.649	9.4	19.4
6 20	15 18.52	−19 57.4	1.739	2.627	13.3	19.6

260623 2005 GV_{71} 5 18.9 151°.30 2°.7/17.5 18

4 11	16 13.26	−14 59.5	1.921	2.738	14.5	21.2
4 21	16 8.10	−14 19.0	1.845	2.748	11.3	21.0
5 1	16 0.65	−13 34.7	1.792	2.756	7.6	20.8
5 11	15 51.60	−12 49.6	1.765	2.764	3.9	20.6
5 21	15 41.86	−12 7.5	1.766	2.771	3.1	20.6
5 31	15 32.47	−11 32.2	1.794	2.777	6.4	20.8
6 10	15 24.37	−11 7.0	1.849	2.783	10.1	21.0
6 20	15 18.23	−10 53.8	1.926	2.788	13.4	21.2

218259 2003 AJ_{61} 5 19.0 258°.54 8°.2/14.5 18

4 11	16 11.82	+ 0 19.5	1.963	2.773	14.5	20.8
4 21	16 7.19	+ 1 16.9	1.869	2.752	12.1	20.6
5 1	16 0.24	+ 2 7.8	1.797	2.731	9.8	20.4
5 11	15 51.53	+ 2 46.0	1.749	2.709	8.3	20.3
5 21	15 41.85	+ 3 6.3	1.727	2.686	8.6	20.2
5 31	15 32.21	+ 3 5.1	1.731	2.663	10.6	20.3
6 10	15 23.61	+ 2 41.2	1.758	2.640	13.4	20.4
6 20	15 16.82	+ 1 56.3	1.806	2.616	16.3	20.5

412040 2013 CU_{184} 5 19.0 18°.55 6°.1/20.8 17

4 11	16 11.94	−28 57.7	1.079	1.919	21.9	20.1
4 21	16 9.38	−30 5.4	1.017	1.923	17.9	19.9
5 1	16 2.75	−30 59.1	0.971	1.929	13.2	19.6
5 11	15 52.93	−31 33.5	0.945	1.935	8.5	19.4
5 21	15 41.50	−31 44.9	0.941	1.943	6.1	19.3
5 31	15 30.51	−31 34.5	0.959	1.952	8.6	19.5
6 10	15 21.88	−31 9.4	0.998	1.961	13.1	19.7
6 20	15 16.77	−30 38.2	1.056	1.972	17.5	20.0

140722 2001 UU_{93} 5 19.0 228°.19 3°.0/17.4 18

4 11	16 10.01	−10 13.9	2.531	3.341	11.6	20.3
4 21	16 5.20	−10 3.9	2.437	3.333	9.1	20.2
5 1	15 58.59	− 9 55.2	2.366	3.325	6.3	20.0
5 11	15 50.67	− 9 49.8	2.322	3.316	3.7	19.8
5 21	15 42.09	− 9 49.4	2.307	3.307	3.2	19.7
5 31	15 33.61	− 9 55.7	2.320	3.297	5.6	19.9
6 10	15 25.97	−10 9.7	2.361	3.287	8.5	20.0
6 20	15 19.76	−10 32.0	2.426	3.277	11.3	20.2

308049 2004 TO_{36} 5 19.0 62°.65 0°.9/18.6 17

4 11	16 11.91	−19 54.0	1.330	2.170	18.5	20.8
4 21	16 8.10	−19 29.2	1.264	2.179	14.4	20.5
5 1	16 1.15	−18 55.4	1.218	2.188	9.6	20.3
5 11	15 51.95	−18 14.9	1.194	2.197	4.3	20.0
5 21	15 41.78	−17 31.6	1.195	2.206	1.6	19.8
5 31	15 32.11	−16 50.8	1.221	2.215	6.8	20.2
6 10	15 24.27	−16 18.0	1.270	2.225	11.8	20.5
6 20	15 19.08	−15 57.0	1.340	2.235	16.0	20.8

167708 2004 TL_{153} 5 19.0 318°.67 0°.8/19.3 17

4 11	16 8.10	−21 49.8	1.175	2.027	19.7	20.4
4 21	16 6.09	−21 55.3	1.089	2.009	15.7	20.1
5 1	16 0.49	−21 51.1	1.020	1.992	10.8	19.7
5 11	15 51.96	−21 36.9	0.972	1.975	5.1	19.3
5 21	15 41.72	−21 14.1	0.947	1.958	1.3	19.0
5 31	15 31.49	−20 46.5	0.944	1.943	7.4	19.4
6 10	15 23.04	−20 20.4	0.963	1.928	13.2	19.6
6 20	15 17.62	−20 1.5	1.001	1.915	18.4	19.9

506438 2000 XJ_{14} 5 19.0 238°.05 5°.5/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 16.09	−38 36.2	2.591	3.325	13.3	22.5
4 21	16 10.46	−38 50.3	2.475	3.307	11.3	22.3
5 1	16 2.39	−38 49.7	2.380	3.287	9.0	22.1
5 11	15 52.50	−38 31.4	2.310	3.267	6.8	21.9
5 21	15 41.63	−37 54.0	2.267	3.245	5.5	21.8
5 31	15 30.86	−36 58.8	2.252	3.223	6.2	21.8
6 10	15 21.23	−35 50.3	2.265	3.200	8.4	21.9
6 20	15 13.54	−34 34.3	2.304	3.177	11.0	22.0

419628 2010 SL_{23} 5 19.0 329°.54 5°.8/20.6 17

4 11	16 7.28	−28 38.4	1.136	1.980	20.8	20.3
4 21	16 5.92	−29 35.9	1.050	1.960	17.1	20.0
5 1	16 0.70	−30 21.7	0.981	1.941	12.8	19.7
5 11	15 52.19	−30 50.8	0.931	1.923	8.2	19.3
5 21	15 41.65	−30 59.3	0.903	1.906	5.8	19.1
5 31	15 30.99	−30 47.1	0.896	1.890	8.7	19.2
6 10	15 22.25	−30 19.8	0.910	1.876	13.6	19.4
6 20	15 16.90	−29 45.7	0.942	1.864	18.6	19.7

64694 2001 XL_{82} 5 19.0 72°.58 3°.4/17.4 18

4 11	16 9.88	− 9 29.2	2.189	3.007	13.0	19.3
4 21	16 5.22	− 9 20.2	2.116	3.016	10.1	19.1
5 1	15 58.61	− 9 13.4	2.066	3.026	7.0	18.9
5 11	15 50.66	− 9 11.1	2.042	3.035	4.2	18.7
5 21	15 42.12	− 9 15.3	2.045	3.044	3.7	18.7
5 31	15 33.84	− 9 27.3	2.076	3.054	6.1	18.9
6 10	15 26.60	− 9 48.1	2.134	3.063	9.2	19.1
6 20	15 20.99	−10 17.6	2.215	3.072	12.0	19.3

101483 1998 WQ_{34} 5 19.0 242°.99 0°.5/19.3 17

4 11	16 11.32	−21 11.6	2.247	3.053	13.1	20.1
4 21	16 6.65	−21 19.8	2.148	3.042	10.3	19.9
5 1	15 59.79	−21 22.9	2.071	3.032	7.0	19.7
5 11	15 51.30	−21 20.8	2.021	3.021	3.3	19.5
5 21	15 41.94	−21 14.1	1.998	3.009	0.9	19.2
5 31	15 32.66	−21 4.5	2.004	2.998	4.7	19.5
6 10	15 24.38	−20 54.7	2.037	2.986	8.4	19.7
6 20	15 17.82	−20 47.3	2.094	2.974	11.7	19.9

338509 2003 QN_{17} 5 19.0 261°.49 0°.9/19.5 18

4 11	16 11.84	−23 10.2	2.269	3.070	13.1	21.6
4 21	16 7.18	−23 9.5	2.155	3.046	10.4	21.4
5 1	16 0.24	−23 1.5	2.065	3.023	7.2	21.1
5 11	15 51.55	−22 46.0	2.000	2.998	3.5	20.8
5 21	15 41.87	−22 23.8	1.962	2.974	1.1	20.6
5 31	15 32.16	−21 57.0	1.954	2.948	4.8	20.8
6 10	15 23.41	−21 29.0	1.973	2.922	8.6	21.0
6 20	15 16.38	−21 3.4	2.016	2.896	12.1	21.2

78651 2002 TM_{57} 5 19.0 318°.15 0°.2/18.9 18

4 11	16 7.78	−20 9.8	1.791	2.619	15.0	19.2
4 21	16 4.41	−20 1.8	1.698	2.605	11.8	18.9
5 1	15 58.55	−19 47.2	1.626	2.592	7.9	18.7
5 11	15 50.80	−19 26.8	1.578	2.580	3.6	18.4
5 21	15 42.07	−19 2.8	1.556	2.568	1.0	18.2
5 31	15 33.44	−18 38.1	1.561	2.556	5.6	18.5
6 10	15 26.01	−18 16.6	1.591	2.545	9.9	18.7
6 20	15 20.60	−18 1.7	1.643	2.534	13.8	18.9

119560 2001 VM_{46} 5 19.0 92°.62 2°.3/18.1 18 R

4 11	16 14.23	−13 17.3	1.849	2.668	14.9	19.1
4 21	16 8.90	−13 18.2	1.782	2.685	11.6	18.9
5 1	16 1.19	−13 19.1	1.738	2.702	7.8	18.7
5 11	15 51.86	−13 21.6	1.719	2.718	3.9	18.5
5 21	15 41.84	−13 27.1	1.728	2.735	2.6	18.5
5 31	15 32.21	−13 37.4	1.764	2.751	6.0	18.7
6 10	15 23.94	−13 53.7	1.826	2.767	9.7	19.0
6 20	15 17.71	−14 16.9	1.912	2.783	13.1	19.2

100352 1995 TD_{1} 5 19.0 157°.17 0°.9/18.4 17

4 11	16 8.45	−18 4.8	2.645	3.452	11.3	20.8
4 21	16 3.88	−17 48.2	2.560	3.457	8.7	20.6
5 1	15 57.62	−17 27.8	2.499	3.462	5.8	20.4
5 11	15 50.19	−17 4.8	2.465	3.466	2.6	20.2
5 21	15 42.25	−16 41.1	2.460	3.470	1.2	20.1
5 31	15 34.50	−16 18.8	2.483	3.473	4.3	20.4
6 10	15 27.62	−16 0.2	2.535	3.477	7.3	20.6
6 20	15 22.13	−15 47.4	2.611	3.480	10.1	20.7

244839 2003 UY_{102} 5 19.0 168°.97 1°.1/19.6 17

4 11	16 12.42	−22 51.3	2.289	3.089	13.0	21.4
4 21	16 7.37	−23 5.5	2.201	3.091	10.3	21.2
5 1	16 0.17	−23 13.6	2.136	3.094	7.0	21.0
5 11	15 51.43	−23 15.4	2.098	3.096	3.5	20.8
5 21	15 41.94	−23 11.1	2.087	3.097	1.2	20.6
5 31	15 32.62	−23 2.3	2.105	3.099	4.5	20.9
6 10	15 24.38	−22 51.8	2.150	3.100	8.0	21.1
6 20	15 17.88	−22 42.2	2.220	3.100	11.1	21.3

389400 2009 XP_{18} 5 19.0 325°.09 7°.4/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 9.37	−38 34.1	1.608	2.391	18.4	19.7
4 21	16 6.55	−38 55.2	1.515	2.377	15.7	19.4
5 1	16 0.45	−38 54.9	1.439	2.363	12.5	19.2
5 11	15 51.81	−38 28.7	1.385	2.350	9.4	19.0
5 21	15 41.83	−37 34.8	1.353	2.338	7.5	18.8
5 31	15 32.09	−36 15.8	1.346	2.326	8.3	18.9
6 10	15 24.08	−34 39.9	1.362	2.315	11.3	19.0
6 20	15 18.83	−32 57.0	1.401	2.305	14.8	19.2

363257 2002 CT_{246} 5 19.0 73°.97 6°.9/16.1 16

4 11	16 12.72	− 7 14.4	1.374	2.214	18.0	22.0
4 21	16 8.20	− 6 5.8	1.325	2.235	14.2	21.8
5 1	16 0.89	− 5 1.0	1.296	2.256	10.3	21.6
5 11	15 51.73	− 4 6.8	1.291	2.276	7.4	21.5
5 21	15 41.92	− 3 29.3	1.309	2.297	7.3	21.5
5 31	15 32.74	− 3 12.4	1.353	2.317	10.1	21.7
6 10	15 25.30	− 3 17.2	1.419	2.338	13.6	22.0
6 20	15 20.27	− 3 41.8	1.504	2.358	16.8	22.2

26812 1985 RQ_2 5 19.0 249°.42 0°.2/19.1 17

4 11	16 15.28	−20 33.8	1.612	2.432	16.7	19.0
4 21	16 10.74	−20 37.3	1.514	2.417	13.3	18.7
5 1	16 3.11	−20 34.1	1.436	2.401	9.0	18.4
5 11	15 53.03	−20 24.2	1.382	2.384	4.2	18.1
5 21	15 41.54	−20 8.4	1.354	2.366	1.0	17.8
5 31	15 30.04	−19 49.5	1.353	2.348	6.3	18.1
6 10	15 19.95	−19 31.8	1.377	2.329	11.3	18.3
6 20	15 12.34	−19 19.4	1.423	2.310	15.7	18.5

474972 2005 TV_{64} 5 19.0 210°.49 4°.5/21.9 18

4 11	16 11.57	−34 45.5	2.635	3.392	12.6	22.3
4 21	16 6.74	−35 12.8	2.538	3.389	10.5	22.1
5 1	15 59.79	−35 28.5	2.463	3.385	8.1	22.0
5 11	15 51.29	−35 30.7	2.413	3.381	5.8	21.8
5 21	15 42.01	−35 18.6	2.390	3.377	4.5	21.7
5 31	15 32.85	−34 53.1	2.395	3.372	5.4	21.8
6 10	15 24.72	−34 17.7	2.427	3.367	7.7	21.9
6 20	15 18.29	−33 36.6	2.484	3.362	10.2	22.1

6161 Vojno–Yasenetsky 5 19.0 115°.62 2°.7/20.9 18

4 11	16 12.96	−30 5.4	2.334	3.114	13.4	17.8
4 21	16 7.64	−29 58.6	2.259	3.132	10.7	17.6
5 1	16 0.22	−29 39.8	2.206	3.149	7.7	17.5
5 11	15 51.39	−29 8.8	2.178	3.166	4.6	17.3
5 21	15 42.01	−28 26.7	2.178	3.183	2.7	17.2
5 31	15 33.02	−27 36.7	2.208	3.199	4.6	17.3
6 10	15 25.26	−26 43.1	2.265	3.215	7.6	17.6
6 20	15 19.32	−25 50.7	2.347	3.230	10.5	17.8

5439 Couturier 5 19.0 293°.85 0°.4/19.3 18 R

4 11	16 4.91	−22 12.6	3.024	3.826	10.1	17.8
4 21	16 1.12	−22 6.0	2.920	3.812	7.9	17.6
5 1	15 55.82	−21 54.0	2.839	3.798	5.4	17.4
5 11	15 49.42	−21 37.4	2.785	3.784	2.5	17.2
5 21	15 42.48	−21 17.0	2.759	3.771	0.7	17.0
5 31	15 35.61	−20 54.8	2.763	3.757	3.5	17.2
6 10	15 29.42	−20 32.9	2.794	3.743	6.4	17.4
6 20	15 24.42	−20 13.5	2.851	3.729	9.0	17.5

303796 2005 SS_{28} 5 19.0 181°.27 1°.2/18.1 18

4 11	16 6.98	−18 1.2	2.632	3.443	11.2	21.5
4 21	16 2.77	−17 25.0	2.544	3.443	8.7	21.3
5 1	15 56.90	−16 44.0	2.480	3.443	5.8	21.1
5 11	15 49.89	−16 0.1	2.442	3.443	2.7	20.9
5 21	15 42.37	−15 15.8	2.434	3.443	1.6	20.8
5 31	15 35.04	−14 34.3	2.454	3.442	4.5	21.0
6 10	15 28.57	−13 58.3	2.503	3.442	7.5	21.2
6 20	15 23.46	−13 30.2	2.576	3.441	10.3	21.4

438625 2007 YN_{30} 5 19.0 26°.28 1°.5/18.4 17

4 11	16 11.10	−14 43.3	2.048	2.866	13.7	20.0
4 21	16 6.48	−14 54.7	1.965	2.868	10.7	19.8
5 1	15 59.65	−15 5.6	1.906	2.870	7.2	19.6
5 11	15 51.23	−15 17.0	1.871	2.872	3.4	19.4
5 21	15 42.03	−15 29.9	1.865	2.874	1.8	19.3
5 31	15 33.02	−15 45.3	1.886	2.876	5.3	19.5
6 10	15 25.12	−16 4.7	1.934	2.879	9.0	19.7
6 20	15 19.02	−16 28.9	2.005	2.881	12.3	19.9

148073 1998 WU_{29} 5 19.0 103°.18 10°.9/15.4 17

4 11	16 15.03	+ 8 56.5	1.789	2.577	16.6	19.9
4 21	16 9.49	+ 9 38.3	1.731	2.587	14.3	19.8
5 1	16 1.58	+10 3.1	1.694	2.596	12.3	19.7
5 11	15 52.04	+10 4.5	1.679	2.605	11.0	19.6
5 21	15 41.86	+ 9 39.1	1.687	2.614	11.1	19.6
5 31	15 32.10	+ 8 46.2	1.720	2.623	12.5	19.7
6 10	15 23.75	+ 7 28.7	1.776	2.631	14.5	19.9
6 20	15 17.45	+ 5 51.6	1.853	2.640	16.7	20.0

282302 2002 RA_{118} 5 19.0 334°.85 5°.3/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 8.42	−34 35.7	1.703	2.497	17.0	19.6
4 21	16 5.37	−34 40.6	1.612	2.488	14.1	19.4
5 1	15 59.40	−34 26.9	1.541	2.479	10.8	19.2
5 11	15 51.26	−33 52.1	1.492	2.471	7.3	19.0
5 21	15 42.03	−32 56.3	1.467	2.464	5.3	18.8
5 31	15 33.06	−31 43.2	1.467	2.457	6.7	18.9
6 10	15 25.64	−30 19.9	1.493	2.450	10.1	19.1
6 20	15 20.64	−28 55.0	1.541	2.445	13.8	19.3

297653 2001 TZ_{229} 5 19.0 118°.80 2°.2/17.5 18

4 11	16 7.78	−15 29.5	2.319	3.137	12.3	20.7
4 21	16 3.53	−14 45.7	2.242	3.145	9.5	20.6
5 1	15 57.46	−13 58.2	2.188	3.152	6.4	20.4
5 11	15 50.16	−13 9.8	2.160	3.159	3.3	20.2
5 21	15 42.33	−12 23.7	2.161	3.166	2.6	20.2
5 31	15 34.77	−11 43.4	2.190	3.173	5.4	20.4
6 10	15 28.20	−11 11.8	2.246	3.180	8.5	20.6
6 20	15 23.15	−10 50.7	2.326	3.186	11.4	20.8

29008 4044 P–L 5 19.0 207°.93 3°.8/21.2 18

4 11	16 11.82	−31 20.7	2.417	3.192	13.1	18.9
4 21	16 7.04	−31 46.7	2.322	3.189	10.7	18.7
5 1	16 0.05	−32 2.2	2.250	3.186	8.0	18.5
5 11	15 51.44	−32 5.6	2.203	3.183	5.2	18.4
5 21	15 42.00	−31 56.1	2.183	3.180	3.8	18.3
5 31	15 32.70	−31 35.0	2.191	3.176	5.2	18.3
6 10	15 24.46	−31 5.6	2.226	3.172	7.9	18.5
6 20	15 18.01	−30 32.3	2.286	3.168	10.7	18.7

303812 2005 SY_{74} 5 19.0 196°.95 2°.4/17.2 17

4 11	16 6.81	−13 10.9	2.902	3.712	10.3	22.0
4 21	16 2.47	−12 34.0	2.811	3.709	8.0	21.9
5 1	15 56.64	−11 55.3	2.745	3.706	5.4	21.7
5 11	15 49.78	−11 17.1	2.706	3.702	3.0	21.5
5 21	15 42.44	−10 41.7	2.697	3.698	2.7	21.5
5 31	15 35.24	−10 11.7	2.717	3.694	4.9	21.6
6 10	15 28.79	− 9 49.3	2.764	3.689	7.5	21.8
6 20	15 23.54	− 9 35.7	2.836	3.684	9.9	21.9

128045 2003 LH_6 5 19.0 325°.61 0°.4/19.2 18

4 11	16 6.88	−21 38.9	2.022	2.842	13.8	19.8
4 21	16 3.44	−21 35.1	1.927	2.830	10.9	19.6
5 1	15 57.78	−21 24.4	1.854	2.818	7.3	19.3
5 11	15 50.45	−21 7.6	1.806	2.807	3.4	19.1
5 21	15 42.26	−20 45.9	1.784	2.796	0.8	18.8
5 31	15 34.18	−20 22.0	1.790	2.786	4.9	19.1
6 10	15 27.17	−19 59.4	1.822	2.776	8.9	19.3
6 20	15 21.96	−19 41.3	1.877	2.766	12.4	19.5

155422 1996 XR_{16} 5 19.0 350°.03 0°.1/19.1 18

4 11	16 10.63	−20 31.4	1.709	2.534	15.7	20.1
4 21	16 6.66	−20 32.7	1.627	2.533	12.3	19.9
5 1	16 0.06	−20 27.6	1.567	2.532	8.3	19.7
5 11	15 51.51	−20 16.6	1.530	2.531	3.8	19.4
5 21	15 42.00	−20 1.3	1.519	2.530	0.9	19.2
5 31	15 32.72	−19 44.3	1.534	2.530	5.6	19.5
6 10	15 24.81	−19 29.2	1.575	2.530	10.0	19.7
6 20	15 19.07	−19 19.5	1.639	2.529	13.8	20.0

153866 2001 XQ_{78} 5 19.0 113°.46 4°.2/17.0 17

4 11	16 12.15	− 9 28.9	1.937	2.757	14.3	20.4
4 21	16 7.16	− 8 58.7	1.870	2.771	11.2	20.3
5 1	16 0.00	− 8 30.1	1.825	2.784	7.8	20.1
5 11	15 51.34	− 8 6.5	1.805	2.797	4.9	19.9
5 21	15 42.07	− 7 50.9	1.813	2.810	4.5	19.9
5 31	15 33.15	− 7 45.9	1.848	2.822	7.1	20.1
6 10	15 25.47	− 7 52.8	1.909	2.834	10.3	20.3
6 20	15 19.66	− 8 11.8	1.992	2.845	13.3	20.5

113658 2002 TH_{85} 5 19.0 273°.47 2°.5/18.0 18

4 11	16 12.50	−14 7.7	1.700	2.528	15.7	19.6
4 21	16 8.29	−13 58.1	1.602	2.509	12.4	19.4
5 1	16 1.32	−13 47.0	1.524	2.490	8.4	19.1
5 11	15 52.18	−13 36.3	1.471	2.471	4.3	18.8
5 21	15 41.81	−13 28.6	1.443	2.451	2.9	18.6
5 31	15 31.42	−13 26.5	1.443	2.431	6.9	18.8
6 10	15 22.25	−13 32.8	1.467	2.411	11.4	19.0
6 20	15 15.25	−13 49.1	1.513	2.391	15.5	19.2

250031 2002 CD_{71} 5 19.0 323°.56 5°.6/15.7 18

4 11	16 6.98	− 4 15.0	2.273	3.091	12.5	20.2
4 21	16 2.97	− 3 33.2	2.195	3.090	10.1	20.0
5 1	15 57.15	− 2 55.6	2.140	3.088	7.6	19.8
5 11	15 50.06	− 2 26.2	2.110	3.087	5.8	19.7
5 21	15 42.38	− 2 8.2	2.107	3.085	5.9	19.7
5 31	15 34.89	− 2 4.2	2.131	3.084	7.8	19.8
6 10	15 28.33	− 2 15.2	2.180	3.083	10.3	20.0
6 20	15 23.25	− 2 40.4	2.252	3.081	12.8	20.2

15549 2000 *FN* 5 19.0 312°.24 7°.1/16.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 7.62	− 8 22.7	1.181	2.041	19.1	16.7
4 21	16 5.49	− 7 31.7	1.094	2.017	15.4	16.4
5 1	15 59.99	− 6 40.9	1.025	1.993	11.3	16.0
5 11	15 51.76	− 5 57.4	0.977	1.969	7.8	15.8
5 21	15 41.89	− 5 28.7	0.951	1.947	7.7	15.7
5 31	15 31.96	− 5 21.3	0.947	1.924	11.4	15.8
6 10	15 23.58	− 5 38.7	0.963	1.903	16.3	16.0
6 20	15 17.97	− 6 20.7	0.996	1.883	20.9	16.2

484545 2008 GM_{37} 5 19.0 13°.37 0°.4/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 2.23	−18 10.0	3.886	4.689	8.0	21.2
4 21	15 58.63	−18 7.8	3.796	4.691	6.2	21.0
5 1	15 53.95	−18 3.4	3.731	4.693	4.1	20.9
5 11	15 48.53	−17 57.4	3.694	4.695	1.9	20.7
5 21	15 42.76	−17 50.8	3.686	4.697	0.7	20.6
5 31	15 37.09	−17 44.7	3.708	4.699	2.9	20.8
6 10	15 31.94	−17 40.3	3.758	4.701	5.1	21.0
6 20	15 27.66	−17 38.6	3.834	4.704	7.1	21.1

424522 2008 EB_{69} 5 19.0 273°.83 16°.9/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 12.03	+26 6.1	1.955	2.666	17.8	20.6
4 21	16 7.53	+27 56.7	1.896	2.646	17.2	20.5
5 1	16 0.53	+29 23.3	1.853	2.625	16.9	20.4
5 11	15 51.71	+30 16.9	1.828	2.604	17.0	20.4
5 21	15 41.96	+30 31.1	1.821	2.583	17.7	20.4
5 31	15 32.39	+30 3.1	1.829	2.561	18.7	20.4
6 10	15 24.07	+28 54.9	1.853	2.539	19.9	20.5
6 20	15 17.77	+27 11.5	1.891	2.517	21.1	20.5

277677 2006 BH_{245} 5 19.0 315°.88 4°.4/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 10.66	−29 50.0	1.685	2.491	16.7	20.6
4 21	16 7.16	−30 21.2	1.592	2.480	13.6	20.4
5 1	16 0.70	−30 40.2	1.520	2.468	10.1	20.1
5 11	15 51.92	−30 44.2	1.470	2.458	6.4	19.9
5 21	15 41.88	−30 32.1	1.445	2.447	4.4	19.7
5 31	15 31.94	−30 5.3	1.446	2.437	6.5	19.8
6 10	15 23.44	−29 28.9	1.471	2.427	10.3	20.0
6 20	15 17.38	−28 49.0	1.519	2.418	14.2	20.2

185391 2006 WR_{46} 5 19.0 210°.57 0°.8/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 8.92	−22 53.6	2.394	3.198	12.4	21.5
4 21	16 4.58	−22 52.0	2.303	3.196	9.7	21.3
5 1	15 58.29	−22 43.8	2.235	3.195	6.6	21.1
5 11	15 50.61	−22 29.2	2.194	3.193	3.2	20.8
5 21	15 42.24	−22 9.5	2.180	3.191	0.9	20.7
5 31	15 34.05	−21 46.6	2.194	3.189	4.3	20.9
6 10	15 26.82	−21 23.6	2.236	3.187	7.7	21.1
6 20	15 21.18	−21 3.4	2.303	3.185	10.7	21.3

171881 2001 QR_{285} 5 19.0 163°.28 1°.4/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 9.50	−15 33.2	2.815	3.619	10.7	21.1
4 21	16 4.57	−15 20.4	2.730	3.625	8.3	21.0
5 1	15 58.05	−15 5.5	2.669	3.630	5.5	20.8
5 11	15 50.43	−14 49.9	2.635	3.635	2.7	20.6
5 21	15 42.30	−14 35.1	2.630	3.639	1.7	20.5
5 31	15 34.35	−14 23.0	2.656	3.642	4.3	20.7
6 10	15 27.22	−14 15.3	2.709	3.645	7.2	20.9
6 20	15 21.40	−14 13.4	2.788	3.648	9.7	21.1

393281 2013 XO_{19} 5 19.0 173°.67 5°.2/15.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 8.76	− 6 54.3	2.231	3.049	12.7	21.7
4 21	16 4.34	− 5 52.1	2.154	3.051	10.1	21.5
5 1	15 58.05	− 4 51.4	2.100	3.053	7.5	21.4
5 11	15 50.46	− 3 56.6	2.073	3.054	5.5	21.3
5 21	15 42.29	− 3 11.8	2.073	3.055	5.6	21.3
5 31	15 34.35	− 2 40.8	2.100	3.055	7.7	21.4
6 10	15 27.41	− 2 25.3	2.153	3.056	10.4	21.6
6 20	15 22.02	− 2 25.8	2.228	3.055	13.0	21.7

196023 2002 SW_{6} 5 19.0 332°.66 1°.4/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 9.06	−17 3.7	2.017	2.839	13.8	20.4
4 21	16 4.95	−16 47.7	1.933	2.838	10.7	20.2
5 1	15 58.66	−16 27.7	1.872	2.838	7.1	20.0
5 11	15 50.80	−16 5.5	1.836	2.837	3.3	19.7
5 21	15 42.20	−15 43.3	1.827	2.837	1.8	19.6
5 31	15 33.81	−15 24.0	1.846	2.836	5.4	19.8
6 10	15 26.54	−15 10.4	1.890	2.836	9.2	20.1
6 20	15 21.06	−15 4.7	1.958	2.835	12.5	20.3

342906 2008 YE_{127} 5 19.0 244°.01 0°.7/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 9.79	−18 41.6	2.168	2.983	13.2	21.3
4 21	16 5.46	−18 31.8	2.075	2.975	10.3	21.1
5 1	15 58.99	−18 17.2	2.004	2.968	6.9	20.9
5 11	15 50.97	−17 59.0	1.959	2.960	3.1	20.6
5 21	15 42.16	−17 39.0	1.941	2.952	1.2	20.5
5 31	15 33.48	−17 19.5	1.952	2.944	5.0	20.7
6 10	15 25.83	−17 3.6	1.989	2.936	8.7	20.9
6 20	15 19.89	−16 53.7	2.051	2.928	12.0	21.1

503387 2016 CP_{118} 5 19.0 17°.74 1°.9/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 8.18	−19 18.9	1.217	2.070	19.1	21.1
4 21	16 5.50	−18 32.4	1.150	2.072	14.9	20.8
5 1	15 59.60	−17 35.0	1.103	2.076	9.9	20.5
5 11	15 51.36	−16 31.0	1.077	2.080	4.6	20.2
5 21	15 42.07	−15 26.1	1.075	2.085	2.6	20.1
5 31	15 33.26	−14 27.6	1.097	2.090	7.6	20.4
6 10	15 26.27	−13 42.1	1.141	2.097	12.7	20.7
6 20	15 21.99	−13 13.5	1.205	2.103	17.1	21.0

392629 2011 UL_{44} 5 19.0 314°.91 0°.5/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 7.08	−20 48.4	2.069	2.889	13.5	20.9
4 21	16 3.44	−20 20.4	1.979	2.882	10.6	20.7
5 1	15 57.67	−19 44.7	1.910	2.876	7.1	20.4
5 11	15 50.37	−19 2.9	1.867	2.869	3.2	20.2
5 21	15 42.32	−18 17.7	1.851	2.863	1.0	20.0
5 31	15 34.45	−17 32.8	1.863	2.857	5.0	20.3
6 10	15 27.67	−16 52.4	1.901	2.851	8.8	20.5
6 20	15 22.62	−16 19.7	1.962	2.845	12.2	20.7

472697 2015 FQ_{20} 5 19.0 76°.48 4°.7/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 12.28	− 7 1.1	1.892	2.713	14.6	20.9
4 21	16 7.32	− 6 48.2	1.827	2.727	11.5	20.7
5 1	16 0.13	− 6 39.9	1.784	2.740	8.2	20.5
5 11	15 51.43	− 6 39.2	1.765	2.754	5.4	20.4
5 21	15 42.08	− 6 48.2	1.774	2.768	4.9	20.4
5 31	15 33.09	− 7 8.5	1.810	2.782	7.3	20.5
6 10	15 25.36	− 7 40.2	1.871	2.795	10.5	20.8
6 20	15 19.52	− 8 22.4	1.955	2.809	13.5	21.0

254133 2004 PH_{28} 5 19.0 244°.90 1°.9/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 7.03	−14 50.7	2.691	3.504	11.0	21.2
4 21	16 2.86	−14 24.3	2.593	3.493	8.5	21.0
5 1	15 57.03	−13 55.4	2.518	3.481	5.7	20.8
5 11	15 50.02	−13 25.7	2.471	3.470	2.9	20.6
5 21	15 42.41	−12 57.7	2.452	3.458	2.2	20.5
5 31	15 34.91	−12 33.6	2.462	3.445	4.8	20.7
6 10	15 28.18	−12 15.8	2.499	3.433	7.8	20.8
6 20	15 22.76	−12 5.9	2.561	3.420	10.5	21.0

371667 2007 CH_{51} 5 19.0 110°.00 6°.1/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 14.80	−35 7.0	1.783	2.561	17.0	21.1
4 21	16 10.22	−35 43.5	1.703	2.566	14.1	20.9
5 1	16 2.60	−36 4.0	1.642	2.570	10.9	20.7
5 11	15 52.72	−36 4.8	1.603	2.575	7.8	20.5
5 21	15 41.74	−35 44.3	1.590	2.579	6.1	20.4
5 31	15 31.09	−35 4.6	1.603	2.583	7.3	20.5
6 10	15 22.08	−34 11.4	1.640	2.587	10.2	20.7
6 20	15 15.63	−33 12.1	1.701	2.591	13.4	20.9

5277 Brisbane 5 19.0 95°.19 5°.3/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 16.67	−33 41.2	1.540	2.332	18.7	17.7
4 21	16 11.78	−33 54.8	1.472	2.347	15.3	17.5
5 1	16 3.61	−33 49.8	1.423	2.363	11.4	17.3
5 11	15 53.12	−33 23.2	1.397	2.378	7.6	17.1
5 21	15 41.67	−32 35.4	1.395	2.393	5.3	17.1
5 31	15 30.83	−31 30.7	1.419	2.407	7.0	17.2
6 10	15 21.98	−30 17.3	1.467	2.422	10.5	17.4
6 20	15 15.95	−29 3.6	1.539	2.435	14.2	17.7

279343 2009 YZ_{9} 5 19.0 316°.38 1°.9/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 10.05	−15 18.5	1.727	2.557	15.3	20.7
4 21	16 6.18	−15 13.9	1.640	2.550	12.0	20.4
5 1	15 59.75	−15 7.2	1.575	2.543	8.1	20.2
5 11	15 51.40	−15 0.1	1.535	2.536	3.9	19.9
5 21	15 42.07	−14 54.7	1.520	2.529	2.3	19.8
5 31	15 32.87	−14 53.5	1.532	2.523	6.3	20.0
6 10	15 24.94	−14 58.9	1.568	2.516	10.5	20.2
6 20	15 19.10	−15 12.4	1.627	2.510	14.3	20.5

503967 2004 RC_{113} 5 19.0 183°.63 5°.5/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 15.98	−39 51.8	2.665	3.391	13.2	22.3
4 21	16 10.16	−40 5.5	2.568	3.392	11.2	22.2
5 1	16 2.06	−40 3.9	2.492	3.392	9.0	22.0
5 11	15 52.34	−39 44.6	2.441	3.391	6.8	21.9
5 21	15 41.86	−39 6.9	2.417	3.390	5.6	21.8
5 31	15 31.67	−38 12.4	2.421	3.387	6.1	21.8
6 10	15 22.70	−37 5.6	2.452	3.385	8.0	22.0
6 20	15 15.64	−35 52.3	2.510	3.381	10.3	22.1

241607 1999 RJ_{201} 5 19.0 219°.95 4°.5/21.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 13.74	−34 35.7	2.421	3.181	13.5	21.2
4 21	16 8.64	−34 51.7	2.318	3.172	11.2	21.0
5 1	16 1.20	−34 54.6	2.237	3.163	8.6	20.8
5 11	15 52.02	−34 42.2	2.181	3.153	6.0	20.7
5 21	15 41.94	−34 13.9	2.152	3.143	4.5	20.5
5 31	15 32.01	−33 31.2	2.150	3.132	5.6	20.6
6 10	15 23.22	−32 38.5	2.176	3.120	8.2	20.7
6 20	15 16.32	−31 40.9	2.228	3.108	11.1	20.9

311398 2005 TQ_{161} 5 19.0 247°.77 0°.5/18.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 7.21	−20 37.9	2.481	3.291	11.9	21.6
4 21	16 3.17	−20 7.5	2.385	3.283	9.2	21.4
5 1	15 57.31	−19 30.2	2.313	3.276	6.2	21.2
5 11	15 50.17	−18 47.8	2.268	3.269	2.8	20.9
5 21	15 42.41	−18 2.6	2.250	3.261	1.0	20.8
5 31	15 34.81	−17 17.6	2.262	3.254	4.4	21.0
6 10	15 28.11	−16 36.5	2.300	3.246	7.8	21.2
6 20	15 22.87	−16 2.0	2.364	3.238	10.7	21.4

228553 2001 XU_{71} 5 19.0 163°.94 0°.0/19.0 17

4 11	16 11.90	−21 53.4	2.139	2.946	13.6	21.8
4 21	16 7.01	−21 29.2	2.055	2.950	10.6	21.6
5 1	15 59.96	−20 57.0	1.993	2.955	7.1	21.4
5 11	15 51.38	−20 18.1	1.958	2.958	3.3	21.1
5 21	15 42.12	−19 34.7	1.950	2.962	0.8	20.9
5 31	15 33.14	−18 50.4	1.971	2.964	4.8	21.2
6 10	15 25.33	−18 9.2	2.019	2.967	8.5	21.5
6 20	15 19.34	−17 34.7	2.091	2.968	11.8	21.7

329935 Prévôt 5 19.0 285°.29 1°.5/18.2 17

4 11	16 9.97	−19 13.2	1.678	2.507	15.8	21.3
4 21	16 6.44	−18 35.0	1.573	2.482	12.5	21.0
5 1	16 0.15	−17 47.2	1.489	2.457	8.4	20.7
5 11	15 51.70	−16 51.7	1.429	2.431	3.9	20.4
5 21	15 42.01	−15 52.4	1.395	2.405	2.1	20.2
5 31	15 32.30	−14 54.6	1.388	2.379	6.7	20.4
6 10	15 23.83	−14 4.4	1.405	2.353	11.5	20.6
6 20	15 17.55	−13 26.5	1.444	2.327	15.8	20.8

204110 2003 WH_{142} 5 19.0 155°.86 1°.8/20.3 17

4 11	16 11.10	−27 28.9	2.556	3.341	12.2	21.2
4 21	16 6.11	−27 18.7	2.469	3.348	9.7	21.0
5 1	15 59.22	−26 58.8	2.405	3.354	6.8	20.8
5 11	15 51.01	−26 29.2	2.367	3.360	3.7	20.7
5 21	15 42.23	−25 51.3	2.358	3.366	1.8	20.5
5 31	15 33.70	−25 7.6	2.377	3.371	4.1	20.7
6 10	15 26.20	−24 21.9	2.425	3.375	7.2	20.9
6 20	15 20.29	−23 37.9	2.499	3.379	10.0	21.1

122312 2000 QU_9 5 19.0 233°.36 2°.3/17.6 18

4 11	16 10.89	−14 42.0	2.344	3.155	12.4	21.4
4 21	16 6.14	−14 8.0	2.242	3.141	9.7	21.2
5 1	15 59.39	−13 30.5	2.163	3.126	6.6	20.9
5 11	15 51.17	−12 51.8	2.112	3.110	3.4	20.7
5 21	15 42.18	−12 14.8	2.088	3.093	2.7	20.6
5 31	15 33.27	−11 42.6	2.093	3.076	5.7	20.8
6 10	15 25.28	−11 18.4	2.126	3.058	9.1	21.0
6 20	15 18.85	−11 4.1	2.183	3.039	12.2	21.1

382256 2012 TU_{53} 5 19.0 271°.62 0°.5/19.3 17

4 11	16 9.94	−22 12.5	1.983	2.797	14.2	21.1
4 21	16 5.80	−22 7.7	1.896	2.795	11.2	20.9
5 1	15 59.34	−21 55.5	1.830	2.792	7.6	20.7
5 11	15 51.17	−21 36.4	1.789	2.789	3.6	20.4
5 21	15 42.18	−21 11.7	1.775	2.787	0.9	20.2
5 31	15 33.38	−20 44.3	1.789	2.784	5.0	20.5
6 10	15 25.76	−20 18.0	1.829	2.781	8.9	20.7
6 20	15 20.05	−19 56.1	1.892	2.779	12.4	20.9

315390 2007 VH_{105} 5 19.0 139°.75 0°.6/19.3 18

4 11	16 14.97	−22 22.2	1.804	2.614	15.6	21.9
4 21	16 9.80	−22 17.0	1.727	2.624	12.2	21.7
5 1	16 2.01	−22 3.4	1.672	2.633	8.3	21.5
5 11	15 52.37	−21 42.0	1.642	2.642	3.9	21.2
5 21	15 41.90	−21 14.2	1.639	2.651	1.0	21.0
5 31	15 31.79	−20 43.5	1.664	2.658	5.3	21.4
6 10	15 23.14	−20 14.0	1.714	2.666	9.5	21.6
6 20	15 16.70	−19 49.8	1.789	2.672	13.2	21.9

171971 2001 TN_{121} 5 19.0 188°.13 3°.5/21.5 18

4 11	16 10.72	−32 30.6	2.563	3.333	12.6	20.4
4 21	16 6.00	−32 33.9	2.469	3.333	10.3	20.2
5 1	15 59.26	−32 25.2	2.397	3.332	7.6	20.1
5 11	15 51.07	−32 3.6	2.351	3.331	5.0	19.9
5 21	15 42.22	−31 29.4	2.331	3.329	3.5	19.8
5 31	15 33.57	−30 44.6	2.341	3.328	4.8	19.9
6 10	15 25.96	−29 53.4	2.378	3.326	7.4	20.0
6 20	15 20.03	−29 0.1	2.440	3.323	10.1	20.2

502430 2015 BD_{264} 5 19.0 260°.57 4°.9/22.0 18

4 11	16 12.63	−34 53.1	1.923	2.701	16.0	21.1
4 21	16 8.37	−34 50.9	1.823	2.688	13.3	20.9
5 1	16 1.31	−34 31.1	1.743	2.676	10.1	20.7
5 11	15 52.15	−33 51.0	1.686	2.664	6.8	20.5
5 21	15 41.94	−32 50.8	1.654	2.651	4.9	20.3
5 31	15 31.94	−31 33.6	1.650	2.638	6.3	20.4
6 10	15 23.39	−30 6.4	1.672	2.625	9.6	20.5
6 20	15 17.14	−28 37.3	1.718	2.611	13.1	20.7

279851 2000 YY_{98} 5 19.0 82°.48 7°.5/15.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 11.04	− 0 35.9	1.879	2.695	14.9	20.3
4 21	16 6.31	+ 0 9.3	1.821	2.710	12.1	20.1
5 1	15 59.44	+ 0 45.8	1.785	2.724	9.5	20.0
5 11	15 51.12	+ 1 8.6	1.772	2.738	7.7	19.9
5 21	15 42.24	+ 1 14.1	1.785	2.752	7.8	19.9
5 31	15 33.73	+ 1 0.6	1.824	2.766	9.6	20.0
6 10	15 26.48	+ 0 28.3	1.887	2.780	12.1	20.2
6 20	15 21.07	− 0 20.4	1.971	2.794	14.6	20.4

18600 1998 BK_{10} 5 19.0 282°.95 0°.1/19.1 18

4 11	16 12.52	−19 54.2	1.814	2.632	15.2	18.3
4 21	16 8.35	−20 4.1	1.706	2.608	12.1	18.1
5 1	16 1.43	−20 9.3	1.619	2.583	8.2	17.8
5 11	15 52.32	−20 9.8	1.557	2.558	3.8	17.5
5 21	15 41.88	−20 6.0	1.521	2.533	0.9	17.2
5 31	15 31.32	−19 59.8	1.512	2.507	5.8	17.5
6 10	15 21.89	−19 54.3	1.529	2.482	10.4	17.7
6 20	15 14.58	−19 52.7	1.569	2.456	14.5	17.8

64515 2001 VE_{93} 5 19.0 265°.31 6°.7/14.8 18

4 11	16 9.48	− 5 36.1	1.918	2.743	14.3	19.1
4 21	16 5.47	− 4 22.6	1.824	2.723	11.6	18.9
5 1	15 59.17	− 3 9.6	1.751	2.702	8.8	18.7
5 11	15 51.15	− 2 3.1	1.704	2.681	6.9	18.5
5 21	15 42.20	− 1 8.9	1.683	2.660	7.2	18.5
5 31	15 33.31	− 0 32.2	1.688	2.638	9.6	18.6
6 10	15 25.46	− 0 16.0	1.716	2.616	12.8	18.7
6 20	15 19.42	− 0 20.7	1.766	2.593	15.9	18.9

477647 2010 MQ_{89} 5 19.0 247°.70 0°.7/18.4 17

4 11	16 6.96	−20 31.1	2.617	3.424	11.4	21.6
4 21	16 2.87	−19 46.9	2.517	3.415	8.9	21.4
5 1	15 57.07	−18 55.3	2.442	3.405	5.9	21.2
5 11	15 50.06	−17 58.4	2.394	3.395	2.7	20.9
5 21	15 42.48	−16 58.8	2.374	3.385	1.2	20.8
5 31	15 35.06	−16 0.3	2.384	3.374	4.4	21.0
6 10	15 28.48	−15 6.5	2.422	3.364	7.6	21.2
6 20	15 23.29	−14 20.5	2.484	3.353	10.5	21.4

25333 Britwenger 5 19.0 249°.96 3°.0/17.7 18

4 11	16 12.69	−14 5.4	1.722	2.548	15.6	19.0
4 21	16 8.33	−13 36.3	1.627	2.533	12.3	18.7
5 1	16 1.28	−13 3.9	1.553	2.518	8.4	18.4
5 11	15 52.17	−12 31.1	1.504	2.503	4.4	18.2
5 21	15 41.95	−12 1.3	1.481	2.487	3.4	18.1
5 31	15 31.79	−11 38.7	1.485	2.470	7.2	18.2
6 10	15 22.89	−11 26.6	1.514	2.453	11.5	18.5
6 20	15 16.14	−11 27.2	1.565	2.436	15.4	18.7

311501 2005 WT_{66} 5 19.0 206°.79 0°.1/18.9 17

4 11	16 7.20	−21 34.9	2.633	3.438	11.4	21.2
4 21	16 3.04	−21 9.0	2.541	3.436	8.9	21.0
5 1	15 57.17	−20 36.4	2.472	3.433	5.9	20.8
5 11	15 50.10	−19 58.4	2.430	3.431	2.7	20.6
5 21	15 42.49	−19 17.1	2.416	3.428	0.7	20.4
5 31	15 35.04	−18 35.3	2.432	3.425	4.1	20.7
6 10	15 28.47	−17 56.2	2.475	3.422	7.2	20.9
6 20	15 23.29	−17 22.6	2.544	3.419	10.1	21.0

71184 1999 XJ_{217} 5 19.0 205°.51 0°.1/19.1 18 R

4 11	16 11.01	−21 23.7	2.765	3.559	11.2	21.5
4 21	16 5.93	−21 11.1	2.664	3.553	8.7	21.3
5 1	15 59.10	−20 52.6	2.587	3.545	5.9	21.1
5 11	15 50.99	−20 29.1	2.537	3.538	2.7	20.9
5 21	15 42.27	−20 1.8	2.517	3.529	0.6	20.7
5 31	15 33.66	−19 32.9	2.527	3.520	4.0	20.9
6 10	15 25.90	−19 5.1	2.565	3.510	7.1	21.1
6 20	15 19.53	−18 41.0	2.629	3.499	9.9	21.3

410424 2008 AV_{86} 5 19.0 102°.64 1°.7/19.8 17

4 11	16 16.60	−24 3.5	1.732	2.539	16.3	21.7
4 21	16 11.12	−24 17.5	1.665	2.558	12.8	21.5
5 1	16 2.91	−24 22.7	1.619	2.577	8.8	21.3
5 11	15 52.78	−24 18.3	1.598	2.595	4.4	21.1
5 21	15 41.85	−24 4.9	1.603	2.613	1.8	20.9
5 31	15 31.38	−23 45.1	1.636	2.631	5.4	21.2
6 10	15 22.52	−23 23.3	1.695	2.647	9.5	21.5
6 20	15 16.02	−23 3.6	1.777	2.664	13.1	21.7

105275 2000 QA_{28} 5 19.0 215°.01 2°.2/17.4 18

4 11	16 7.71	−13 13.7	2.916	3.724	10.3	20.4
4 21	16 3.22	−12 44.0	2.819	3.716	8.0	20.3
5 1	15 57.21	−12 12.7	2.747	3.708	5.5	20.1
5 11	15 50.11	−11 41.7	2.702	3.699	3.0	19.9
5 21	15 42.49	−11 13.3	2.687	3.689	2.5	19.9
5 31	15 34.98	−10 49.8	2.700	3.679	4.8	20.0
6 10	15 28.19	−10 33.1	2.742	3.669	7.5	20.2
6 20	15 22.62	−10 24.6	2.808	3.658	10.0	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4827 Dares			5 19.0 186°.33		0°.1/19.2 18	
	h m	° ′			°	m
4 11	16 0.90	−21 41.6	4.555	5.349	7.1	18.0
4 21	15 57.49	−21 25.6	4.460	5.349	5.5	17.8
5 1	15 53.16	−21 6.0	4.390	5.349	3.7	17.7
5 11	15 48.20	−20 43.5	4.348	5.348	1.7	17.5
5 21	15 42.97	−20 19.1	4.336	5.348	0.4	17.4
5 31	15 37.83	−19 54.2	4.354	5.348	2.4	17.6
6 10	15 33.14	−19 30.0	4.401	5.347	4.4	17.7
6 20	15 29.19	−19 8.1	4.475	5.347	6.1	17.9
250388 2003 UC_{145}			5 19.0 194°.40		0°.6/19.3 17	
4 11	16 14.40	−22 24.4	1.986	2.791	14.6	21.6
4 21	16 9.28	−22 18.1	1.896	2.789	11.5	21.4
5 1	16 1.69	−22 3.9	1.827	2.787	7.8	21.2
5 11	15 52.28	−21 42.2	1.784	2.784	3.7	20.9
5 21	15 41.96	−21 14.1	1.768	2.780	0.9	20.7
5 31	15 31.85	−20 42.7	1.781	2.775	5.1	21.0
6 10	15 22.99	−20 12.0	1.820	2.770	9.2	21.2
6 20	15 16.15	−19 45.8	1.883	2.764	12.8	21.4
523095 2016 RB_{48}			5 19.0 278°.33		1°.6/20.1 16	
4 11	16 8.28	−26 45.7	2.283	3.082	13.1	21.6
4 21	16 4.33	−26 28.7	2.182	3.070	10.4	21.4
5 1	15 58.27	−26 1.0	2.104	3.058	7.3	21.2
5 11	15 50.69	−25 22.8	2.051	3.047	3.8	20.9
5 21	15 42.35	−24 35.5	2.025	3.035	1.6	20.8
5 31	15 34.16	−23 42.3	2.028	3.023	4.5	20.9
6 10	15 26.99	−22 47.7	2.058	3.011	8.0	21.1
6 20	15 21.52	−21 56.2	2.113	3.000	11.3	21.3
7628 Evgenifedorov			5 19.0 250°.11		6°.6/22.4 18	
4 11	16 15.49	−37 57.4	2.208	2.958	15.0	17.6
4 21	16 10.57	−38 42.8	2.104	2.944	12.7	17.4
5 1	16 2.85	−39 14.3	2.020	2.929	10.2	17.2
5 11	15 52.93	−39 27.8	1.959	2.914	7.9	17.0
5 21	15 41.78	−39 20.6	1.924	2.898	6.6	16.9
5 31	15 30.63	−38 52.8	1.915	2.883	7.4	16.9
6 10	15 20.75	−38 8.4	1.932	2.866	9.7	17.1
6 20	15 13.11	−37 13.7	1.974	2.850	12.5	17.2
162796 2000 YA_{69}			5 19.0 154°.46		1°.0/18.2 18	
4 11	16 4.75	−15 45.7	3.657	4.460	8.5	20.0
4 21	16 0.61	−15 36.4	3.569	4.464	6.6	19.9
5 1	15 55.30	−15 25.5	3.507	4.468	4.4	19.8
5 11	15 49.20	−15 14.0	3.473	4.472	2.1	19.6
5 21	15 42.74	−15 3.1	3.468	4.476	1.3	19.5
5 31	15 36.39	−14 54.1	3.493	4.480	3.4	19.7
6 10	15 30.63	−14 48.3	3.547	4.484	5.6	19.9
6 20	15 25.81	−14 46.7	3.626	4.487	7.7	20.0
86249 1999 TU_{160}			5 19.0 226°.33		0°.3/18.9 18	
4 11	16 7.27	−21 4.1	2.450	3.259	12.0	19.4
4 21	16 3.23	−20 37.3	2.360	3.257	9.3	19.2
5 1	15 57.37	−20 3.8	2.293	3.255	6.2	19.0
5 11	15 50.23	−19 25.0	2.252	3.253	2.8	18.8
5 21	15 42.49	−18 43.1	2.239	3.251	0.8	18.6
5 31	15 34.95	−18 1.2	2.256	3.248	4.3	18.9
6 10	15 28.33	−17 22.7	2.299	3.246	7.7	19.1
6 20	15 23.20	−16 50.4	2.367	3.244	10.6	19.3
335148 2004 XZ_{25}			5 19.1 200°.50		2°.6/20.8 18	
4 11	16 12.92	−29 42.2	2.654	3.426	12.1	22.4
4 21	16 7.64	−29 44.8	2.553	3.422	9.8	22.2
5 1	16 0.35	−29 37.3	2.475	3.416	7.1	22.1
5 11	15 51.62	−29 18.8	2.423	3.410	4.3	21.9
5 21	15 42.18	−28 49.6	2.400	3.404	2.6	21.7
5 31	15 32.89	−28 11.8	2.406	3.396	4.4	21.8
6 10	15 24.58	−27 28.8	2.441	3.388	7.3	22.0
6 20	15 17.88	−26 44.7	2.501	3.379	10.1	22.2
250086 2002 GW			5 19.1 351°.90		24°.1/22.1 17	
4 11	16 15.13	−53 47.3	1.064	1.811	27.8	19.6
4 21	16 16.13	−57 43.3	1.006	1.799	26.5	19.4
5 1	16 10.72	−61 14.5	0.962	1.790	25.3	19.2
5 11	15 58.32	−64 3.0	0.933	1.783	24.4	19.1
5 21	15 40.20	−65 51.3	0.916	1.778	24.1	19.1
5 31	15 20.60	−66 29.4	0.914	1.775	24.3	19.1
6 10	15 5.14	−66 2.4	0.923	1.774	25.0	19.1
6 20	14 57.56	−64 45.8	0.944	1.775	26.1	19.2
498977 2009 BG_{144}			5 19.1 155°.39		0°.8/18.5 17	
4 11	16 10.21	−18 14.4	2.736	3.537	11.1	23.0
4 21	16 5.19	−17 57.0	2.652	3.546	8.6	22.9
5 1	15 58.52	−17 35.6	2.592	3.554	5.7	22.7
5 11	15 50.72	−17 11.5	2.560	3.561	2.6	22.5
5 21	15 42.41	−16 46.5	2.557	3.568	1.2	22.4
5 31	15 34.32	−16 22.7	2.584	3.574	4.1	22.6
6 10	15 27.10	−16 2.5	2.639	3.579	7.1	22.8
6 20	15 21.26	−15 47.8	2.719	3.584	9.8	23.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
464777 2003 UN_{328}			5 19.1 327°.31		1°.2/19.6 17	
	h m	° ′			°	m
4 11	16 6.51	−24 57.0	1.212	2.059	19.5	20.9
4 21	16 4.71	−24 37.3	1.128	2.045	15.6	20.6
5 1	15 59.48	−24 1.1	1.062	2.031	10.8	20.2
5 11	15 51.55	−23 8.8	1.017	2.018	5.3	19.9
5 21	15 42.17	−22 3.6	0.994	2.005	1.5	19.6
5 31	15 32.97	−20 52.1	0.995	1.994	7.0	19.9
6 10	15 25.56	−19 43.2	1.018	1.984	12.6	20.2
6 20	15 21.04	−18 45.2	1.060	1.974	17.7	20.4
393318 2014 AG_{37}			5 19.1 198°.64		5°.2/15.6 18	
4 11	16 10.15	− 5 5.7	2.440	3.248	12.1	22.3
4 21	16 5.34	− 4 15.8	2.355	3.245	9.7	22.2
5 1	15 58.73	− 3 28.7	2.294	3.241	7.3	22.0
5 11	15 50.85	− 2 48.3	2.259	3.236	5.5	21.9
5 21	15 42.38	− 2 17.9	2.252	3.230	5.6	21.9
5 31	15 34.07	− 2 0.6	2.273	3.224	7.5	22.0
6 10	15 26.66	− 1 57.7	2.320	3.217	10.0	22.1
6 20	15 20.70	− 2 9.3	2.391	3.210	12.5	22.3
422999 2003 SB_{243}			5 19.1 245°.54		0°.1/19.0 17	
4 11	16 14.16	−20 44.0	1.870	2.682	15.1	22.4
4 21	16 9.44	−20 34.9	1.767	2.665	11.9	22.2
5 1	16 2.05	−20 18.6	1.685	2.648	8.1	21.9
5 11	15 52.57	−19 55.5	1.628	2.629	3.7	21.6
5 21	15 41.93	−19 27.1	1.599	2.610	0.9	21.4
5 31	15 31.31	−18 56.5	1.597	2.590	5.7	21.6
6 10	15 21.89	−18 28.0	1.621	2.570	10.1	21.9
6 20	15 14.58	−18 5.5	1.668	2.549	14.1	22.0
424606 2008 HZ_{45}			5 19.1 339°.28		1°.5/17.4 18	
4 11	16 0.46	−14 38.5	4.055	4.864	7.6	20.6
4 21	15 57.25	−14 3.6	3.963	4.862	5.9	20.5
5 1	15 53.05	−13 26.9	3.897	4.859	3.9	20.3
5 11	15 48.20	−12 50.0	3.859	4.857	2.1	20.2
5 21	15 43.04	−12 14.6	3.851	4.855	1.7	20.2
5 31	15 37.98	−11 42.5	3.872	4.853	3.4	20.3
6 10	15 33.41	−11 15.2	3.921	4.851	5.4	20.4
6 20	15 29.63	−10 53.9	3.996	4.849	7.2	20.6
472015 2013 XW			5 19.1 213°.93		0°.3/18.9 17	
4 11	16 10.68	−21 35.6	2.154	2.963	13.4	21.9
4 21	16 6.17	−21 3.4	2.060	2.957	10.5	21.7
5 1	15 59.50	−20 22.6	1.989	2.951	7.1	21.5
5 11	15 51.27	−19 34.9	1.944	2.945	3.2	21.2
5 21	15 42.29	−18 42.7	1.927	2.938	0.9	21.0
5 31	15 33.51	−17 50.1	1.938	2.931	4.9	21.3
6 10	15 25.82	−17 1.5	1.977	2.924	8.7	21.5
6 20	15 19.91	−16 20.5	2.039	2.916	12.1	21.7
153053 2000 QQ_{100}			5 19.1 271°.93		1°.2/19.6 18	
4 11	16 12.17	−22 54.3	1.886	2.698	15.0	20.1
4 21	16 7.94	−23 4.6	1.784	2.681	11.9	19.8
5 1	16 1.07	−23 7.8	1.703	2.663	8.2	19.6
5 11	15 52.14	−23 3.3	1.646	2.646	4.1	19.3
5 21	15 42.05	−22 51.4	1.617	2.628	1.4	19.0
5 31	15 31.96	−22 34.2	1.614	2.610	5.4	19.3
6 10	15 23.04	−22 15.1	1.638	2.591	9.7	19.5
6 20	15 16.20	−21 58.3	1.684	2.573	13.6	19.7
502060 2015 AB_{172}			5 19.1 128°.62		1°.7/18.2 17	
4 11	16 13.17	−15 56.7	2.033	2.847	14.0	21.9
4 21	16 7.98	−15 39.2	1.960	2.860	10.8	21.7
5 1	16 0.61	−15 18.7	1.909	2.873	7.2	21.5
5 11	15 51.73	−14 56.9	1.885	2.885	3.5	21.3
5 21	15 42.20	−14 36.3	1.888	2.897	2.1	21.2
5 31	15 33.00	−14 19.4	1.920	2.908	5.5	21.5
6 10	15 25.03	−14 8.9	1.978	2.919	9.1	21.7
6 20	15 18.92	−14 6.4	2.060	2.929	12.3	21.9
102569 1999 UQ_{35}			5 19.1 99°.39		0°.3/18.9 17	
4 11	16 12.00	−21 27.9	1.593	2.419	16.6	20.4
4 21	16 7.81	−21 1.9	1.520	2.426	13.0	20.2
5 1	16 0.85	−20 26.3	1.467	2.433	8.7	20.0
5 11	15 51.94	−19 42.8	1.438	2.439	4.0	19.7
5 21	15 42.15	−18 54.7	1.434	2.446	1.1	19.5
5 31	15 32.76	−18 6.9	1.457	2.452	5.9	19.8
6 10	15 24.92	−17 24.5	1.506	2.459	10.4	20.1
6 20	15 19.40	−16 51.9	1.576	2.465	14.4	20.4
289858 2005 MR_{9}			5 19.1 280°.04		2°.4/17.5 17	
4 11	16 7.15	−15 7.4	2.210	3.032	12.7	20.9
4 21	16 3.36	−14 28.4	2.115	3.020	9.9	20.7
5 1	15 57.60	−13 45.3	2.044	3.009	6.7	20.4
5 11	15 50.41	−13 1.0	1.998	2.997	3.5	20.2
5 21	15 42.51	−12 18.7	1.981	2.986	2.8	20.2
5 31	15 34.73	−11 41.8	1.990	2.974	5.8	20.3
6 10	15 27.91	−11 13.8	2.026	2.963	9.2	20.5
6 20	15 22.66	−10 56.6	2.086	2.951	12.3	20.7

99440 2002 CA_2 5 19.1 270°.53 2°.9/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 15.02	−25 41.3	1.575	2.389	17.4	19.9
4 21	16 10.92	−26 8.6	1.474	2.369	14.0	19.6
5 1	16 3.53	−26 26.9	1.392	2.349	10.0	19.3
5 11	15 53.44	−26 33.7	1.333	2.328	5.6	19.0
5 21	15 41.73	−26 27.6	1.299	2.307	2.9	18.8
5 31	15 29.89	−26 9.9	1.291	2.286	6.5	18.9
6 10	15 19.49	−25 45.2	1.308	2.264	11.4	19.2
6 20	15 11.73	−25 19.3	1.347	2.243	15.9	19.4

142763 2002 UU_3 5 19.1 326°.61 1°.7/19.3 17

4 11	16 13.58	−18 12.7	1.236	2.080	19.4	19.1
4 21	16 10.58	−19 27.8	1.143	2.058	15.5	18.8
5 1	16 3.81	−20 47.5	1.069	2.038	10.8	18.5
5 11	15 53.79	−22 9.2	1.016	2.018	5.3	18.1
5 21	15 41.61	−23 28.6	0.988	1.999	2.1	17.8
5 31	15 29.05	−24 41.8	0.984	1.981	7.5	18.1
6 10	15 18.06	−25 47.7	1.002	1.965	13.3	18.3
6 20	15 10.17	−26 47.8	1.041	1.949	18.4	18.6

342937 2009 AJ_{23} 5 19.1 250°.69 5°.8/16.0 17

4 11	16 9.53	− 4 6.7	2.119	2.936	13.4	20.9
4 21	16 5.18	− 3 31.0	2.036	2.930	10.8	20.8
5 1	15 58.79	− 3 0.1	1.975	2.924	8.1	20.6
5 11	15 50.95	− 2 38.0	1.940	2.917	6.1	20.4
5 21	15 42.39	− 2 28.2	1.930	2.910	6.1	20.4
5 31	15 34.00	− 2 33.0	1.948	2.904	8.2	20.5
6 10	15 26.60	− 2 53.4	1.990	2.897	10.9	20.7
6 20	15 20.85	− 3 28.5	2.056	2.890	13.7	20.9

324968 2008 AY_{19} 5 19.1 147°.09 1°.3/18.4 17

4 11	16 13.95	−17 59.8	1.938	2.752	14.6	22.2
4 21	16 8.75	−17 35.1	1.862	2.762	11.3	22.0
5 1	16 1.21	−17 5.0	1.807	2.771	7.5	21.7
5 11	15 52.04	−16 31.5	1.779	2.780	3.5	21.5
5 21	15 42.15	−15 57.1	1.778	2.787	1.7	21.4
5 31	15 32.59	−15 25.6	1.805	2.795	5.6	21.7
6 10	15 24.34	−15 0.2	1.858	2.801	9.5	21.9
6 20	15 18.07	−14 43.7	1.936	2.807	12.9	22.1

276940 2004 TR_{228} 5 19.1 169°.32 0°.8/19.5 17

4 11	16 11.52	−23 7.6	2.024	2.833	14.2	21.9
4 21	16 6.98	−23 2.1	1.939	2.834	11.2	21.7
5 1	16 0.12	−22 48.6	1.876	2.836	7.6	21.5
5 11	15 51.59	−22 27.3	1.838	2.837	3.7	21.2
5 21	15 42.26	−21 59.7	1.827	2.838	1.0	21.0
5 31	15 33.16	−21 28.6	1.844	2.839	4.9	21.3
6 10	15 25.28	−20 57.9	1.887	2.839	8.7	21.5
6 20	15 19.31	−20 31.3	1.955	2.840	12.2	21.8

156476 2002 CO_{49} 5 19.1 184°.95 0°.3/19.2 18

4 11	16 13.23	−21 20.7	2.575	3.369	11.9	20.6
4 21	16 7.78	−21 18.2	2.481	3.369	9.3	20.4
5 1	16 0.41	−21 10.3	2.411	3.369	6.3	20.2
5 11	15 51.66	−20 57.2	2.368	3.367	2.9	20.0
5 21	15 42.24	−20 40.0	2.354	3.365	0.7	19.8
5 31	15 32.98	−20 20.5	2.370	3.363	4.2	20.1
6 10	15 24.67	−20 1.4	2.414	3.359	7.5	20.3
6 20	15 17.91	−19 45.4	2.484	3.355	10.4	20.5

475170 2005 UW_{444} 5 19.1 245°.97 6°.7/12.5 16

4 11	16 6.61	− 1 42.2	2.618	3.426	11.4	21.7
4 21	16 2.54	− 0 2.1	2.531	3.413	9.4	21.5
5 1	15 56.85	+ 1 35.9	2.469	3.401	7.6	21.4
5 11	15 50.03	+ 3 6.3	2.435	3.388	6.7	21.3
5 21	15 42.64	+ 4 23.8	2.428	3.374	7.2	21.3
5 31	15 35.38	+ 5 24.2	2.449	3.361	8.9	21.4
6 10	15 28.88	+ 6 5.1	2.494	3.347	10.9	21.5
6 20	15 23.67	+ 6 26.3	2.561	3.333	13.0	21.6

480473 2015 LK_{11} 5 19.1 295°.13 0°.8/18.7 17

4 11	16 9.75	−16 51.5	2.235	3.050	12.8	20.8
4 21	16 5.46	−17 0.2	2.138	3.039	10.0	20.6
5 1	15 59.08	−17 6.9	2.064	3.028	6.7	20.4
5 11	15 51.14	−17 12.3	2.016	3.017	3.1	20.1
5 21	15 42.38	−17 17.3	1.995	3.006	1.2	20.0
5 31	15 33.67	−17 23.3	2.003	2.995	4.9	20.2
6 10	15 25.90	−17 32.0	2.037	2.984	8.5	20.4
6 20	15 19.77	−17 45.1	2.096	2.973	11.8	20.6

233819 2008 UB_{192} 5 19.1 148°.47 2°.1/17.9 18

4 11	16 9.77	−15 37.0	2.103	2.923	13.4	20.9
4 21	16 5.38	−15 7.0	2.023	2.927	10.4	20.7
5 1	15 58.92	−14 33.6	1.966	2.930	7.0	20.5
5 11	15 51.01	−13 59.0	1.934	2.934	3.5	20.3
5 21	15 42.44	−13 26.2	1.930	2.937	2.4	20.2
5 31	15 34.11	−12 58.5	1.953	2.940	5.6	20.4
6 10	15 26.88	−12 38.6	2.004	2.943	9.1	20.7
6 20	15 21.37	−12 28.4	2.077	2.945	12.3	20.9

435929 2009 BG_{141} 5 19.1 269°.01 1°.4/18.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 9.05	−17 8.3	2.106	2.925	13.4	21.8
4 21	16 4.97	−16 51.6	2.014	2.917	10.4	21.6
5 1	15 58.76	−16 30.9	1.945	2.910	7.0	21.4
5 11	15 50.99	−16 7.7	1.901	2.902	3.3	21.1
5 21	15 42.43	−15 44.3	1.884	2.894	1.7	21.0
5 31	15 34.01	−15 23.5	1.896	2.886	5.3	21.2
6 10	15 26.63	−15 8.1	1.933	2.878	9.0	21.4
6 20	15 20.96	−15 0.4	1.994	2.870	12.4	21.6

124850 2001 TW_{17} 5 19.1 258°.14 0°.1/19.1 18

4 11	16 11.07	−21 11.2	1.827	2.646	15.1	20.1
4 21	16 6.99	−20 57.4	1.734	2.636	11.9	19.8
5 1	16 0.35	−20 35.7	1.662	2.626	8.0	19.6
5 11	15 51.79	−20 6.9	1.614	2.616	3.7	19.3
5 21	15 42.24	−19 33.1	1.594	2.605	0.9	19.0
5 31	15 32.83	−18 57.7	1.600	2.595	5.5	19.3
6 10	15 24.66	−18 25.2	1.632	2.584	9.9	19.6
6 20	15 18.57	−17 59.5	1.687	2.573	13.7	19.8

518499 2005 YS_{293} 5 19.1 146°.52 0°.3/19.3 17

4 11	16 11.73	−22 25.4	2.099	2.906	13.8	22.4
4 21	16 6.97	−22 8.1	2.017	2.912	10.8	22.2
5 1	16 0.02	−21 42.7	1.958	2.919	7.3	22.0
5 11	15 51.52	−21 10.2	1.925	2.925	3.4	21.8
5 21	15 42.34	−20 32.7	1.919	2.930	0.8	21.6
5 31	15 33.44	−19 53.5	1.941	2.936	4.8	21.9
6 10	15 25.73	−19 16.5	1.991	2.940	8.5	22.1
6 20	15 19.87	−18 45.2	2.064	2.945	11.8	22.3

29829 Engels 5 19.1 63°.66 7°.5/15.1 18

4 11	16 10.09	− 5 22.1	1.544	2.380	16.6	17.1
4 21	16 5.95	− 3 55.4	1.496	2.401	13.2	16.9
5 1	15 59.37	− 2 33.4	1.468	2.421	10.0	16.8
5 11	15 51.19	− 1 23.6	1.465	2.442	7.8	16.7
5 21	15 42.44	− 0 32.1	1.486	2.463	8.0	16.8
5 31	15 34.23	− 0 3.0	1.532	2.484	10.3	17.0
6 10	15 27.51	+ 0 2.5	1.601	2.505	13.3	17.2
6 20	15 22.89	− 0 13.7	1.690	2.525	16.1	17.4

184569 2005 QU_{82} 5 19.1 276°.87 2°.2/17.6 18

4 11	16 7.09	−15 36.6	2.288	3.108	12.4	20.7
4 21	16 3.27	−14 57.5	2.191	3.095	9.7	20.5
5 1	15 57.54	−14 14.0	2.117	3.082	6.5	20.3
5 11	15 50.42	−13 28.8	2.070	3.069	3.3	20.0
5 21	15 42.60	−12 44.9	2.050	3.056	2.6	20.0
5 31	15 34.89	−12 6.0	2.058	3.043	5.5	20.1
6 10	15 28.09	−11 35.2	2.093	3.030	8.9	20.3
6 20	15 22.83	−11 14.8	2.151	3.016	12.0	20.5

163890 2003 SC_{199} 5 19.1 214°.27 2°.0/20.2 18 R

4 11	16 10.99	−26 39.7	2.148	2.946	13.8	20.2
4 21	16 6.56	−26 37.7	2.056	2.943	11.0	20.0
5 1	15 59.86	−26 25.6	1.986	2.940	7.7	19.8
5 11	15 51.50	−26 3.0	1.941	2.936	4.2	19.6
5 21	15 42.34	−25 31.0	1.923	2.932	2.0	19.4
5 31	15 33.37	−24 52.1	1.934	2.928	4.8	19.6
6 10	15 25.54	−24 10.6	1.971	2.924	8.3	19.8
6 20	15 19.57	−23 30.8	2.032	2.920	11.7	20.0

189760 2002 AK_{139} 5 19.1 58°.86 6°.7/22.5 17

4 11	16 14.36	−36 21.8	1.732	2.509	17.5	19.7
4 21	16 10.02	−37 3.7	1.657	2.517	14.6	19.5
5 1	16 2.58	−37 28.5	1.602	2.526	11.4	19.3
5 11	15 52.84	−37 32.1	1.569	2.535	8.4	19.2
5 21	15 42.03	−37 13.0	1.560	2.545	6.7	19.1
5 31	15 31.60	−36 33.0	1.576	2.554	7.7	19.2
6 10	15 22.89	−35 38.4	1.617	2.563	10.4	19.4
6 20	15 16.81	−34 36.9	1.681	2.573	13.5	19.6

265755 2005 VF_{77} 5 19.1 128°.81 4°.2/21.5 17

4 11	16 15.22	−32 16.0	2.061	2.837	15.1	21.0
4 21	16 9.96	−32 32.7	1.982	2.849	12.3	20.8
5 1	16 2.15	−32 35.9	1.924	2.860	9.1	20.6
5 11	15 52.53	−32 23.6	1.890	2.871	5.9	20.4
5 21	15 42.12	−31 55.9	1.884	2.882	4.2	20.3
5 31	15 32.06	−31 15.1	1.905	2.892	5.7	20.5
6 10	15 23.41	−30 26.2	1.952	2.901	8.7	20.7
6 20	15 16.92	−29 35.0	2.024	2.910	11.8	20.9

48028 2001 DX_{31} 5 19.1 326°.65 2°.4/18.2 18

4 11	16 6.43	−16 0.4	1.215	2.074	18.7	18.4
4 21	16 4.60	−15 46.3	1.128	2.053	14.8	18.1
5 1	15 59.45	−15 27.5	1.060	2.034	10.1	17.7
5 11	15 51.64	−15 6.8	1.013	2.015	4.9	17.4
5 21	15 42.29	−14 47.8	0.988	1.997	3.0	17.2
5 31	15 32.93	−14 35.0	0.986	1.981	8.0	17.4
6 10	15 25.15	−14 32.9	1.005	1.965	13.5	17.7
6 20	15 20.13	−14 44.2	1.044	1.951	18.5	17.9

157382 2004 TU_{169} 5 19.1 295.°54 2.°0/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 10.01	−15 48.7	1.761	2.590	15.1	20.0
4 21	16 6.15	−15 32.7	1.674	2.582	11.9	19.8
5 1	15 59.79	−15 13.4	1.608	2.575	8.0	19.5
5 11	15 51.55	−14 52.7	1.566	2.567	3.9	19.3
5 21	15 42.35	−14 33.4	1.550	2.559	2.4	19.2
5 31	15 33.30	−14 18.4	1.561	2.551	6.3	19.4
6 10	15 25.48	−14 11.0	1.597	2.544	10.4	19.6
6 20	15 19.71	−14 13.2	1.656	2.537	14.2	19.8

320627 2008 CF_{49} 5 19.1 164.°02 2.°1/18.1 17

4 11	16 13.26	−15 44.8	1.811	2.632	15.1	21.3
4 21	16 8.46	−15 22.8	1.732	2.636	11.8	21.1
5 1	16 1.18	−14 57.3	1.675	2.639	7.9	20.9
5 11	15 52.12	−14 30.4	1.642	2.642	3.9	20.6
5 21	15 42.23	−14 5.0	1.637	2.645	2.5	20.6
5 31	15 32.61	−13 44.4	1.658	2.647	6.2	20.8
6 10	15 24.32	−13 31.7	1.706	2.648	10.2	21.0
6 20	15 18.08	−13 28.8	1.777	2.649	13.8	21.3

344586 2003 BB_{71} 5 19.1 59.°89 0.°8/18.6 17

4 11	16 10.01	−18 38.3	1.996	2.815	14.0	20.9
4 21	16 5.54	−18 22.9	1.934	2.837	10.8	20.8
5 1	15 58.98	−18 2.8	1.894	2.859	7.1	20.6
5 11	15 51.02	−17 39.4	1.880	2.882	3.2	20.4
5 21	15 42.51	−17 15.2	1.893	2.904	1.3	20.3
5 31	15 34.41	−16 52.8	1.934	2.927	5.0	20.6
6 10	15 27.54	−16 35.3	2.001	2.949	8.6	20.8
6 20	15 22.48	−16 24.7	2.092	2.972	11.7	21.1

169599 2002 GD_{81} 5 19.1 271.°36 0.°1/19.0 18

4 11	16 14.54	−19 22.8	1.670	2.491	16.2	19.8
4 21	16 10.23	−19 31.3	1.565	2.468	12.9	19.5
5 1	16 2.91	−19 35.2	1.480	2.445	8.8	19.2
5 11	15 53.16	−19 34.3	1.420	2.421	4.1	18.9
5 21	15 41.94	−19 29.4	1.385	2.397	1.0	18.6
5 31	15 30.57	−19 22.4	1.378	2.372	6.2	18.9
6 10	15 20.45	−19 16.8	1.395	2.347	11.2	19.1
6 20	15 12.67	−19 16.0	1.435	2.322	15.6	19.3

117259 2004 SW_{54} 5 19.1 253.°89 6.°9/14.9 18

4 11	16 10.06	− 2 1.8	2.110	2.923	13.5	19.5
4 21	16 5.70	− 1 7.0	2.019	2.907	11.1	19.3
5 1	15 59.25	− 0 17.0	1.950	2.891	8.7	19.2
5 11	15 51.25	+ 0 23.1	1.907	2.874	7.1	19.0
5 21	15 42.44	+ 0 48.8	1.890	2.857	7.3	19.0
5 31	15 33.72	+ 0 56.5	1.899	2.840	9.3	19.1
6 10	15 25.96	+ 0 45.1	1.932	2.822	12.0	19.2
6 20	15 19.85	+ 0 15.3	1.987	2.804	14.7	19.4

364640 2007 TU_{111} 5 19.1 123.°97 0.°1/19.0 17

4 11	16 12.83	−22 29.4	1.567	2.391	17.0	20.7
4 21	16 8.55	−21 56.9	1.492	2.397	13.3	20.4
5 1	16 1.42	−21 13.1	1.438	2.403	8.9	20.2
5 11	15 52.27	−20 19.9	1.407	2.409	4.1	19.9
5 21	15 42.23	−19 20.8	1.403	2.414	1.0	19.7
5 31	15 32.60	−18 21.3	1.425	2.420	6.0	20.1
6 10	15 24.57	−17 27.7	1.472	2.425	10.6	20.3
6 20	15 18.94	−16 44.7	1.541	2.430	14.6	20.6

120866 1998 RL_{2} 5 19.1 329.°77 5.°5/17.2 17

4 11	16 8.53	−11 3.1	1.131	1.993	19.6	18.7
4 21	16 6.22	−10 24.5	1.057	1.982	15.6	18.4
5 1	16 0.48	− 9 45.3	1.001	1.972	11.0	18.1
5 11	15 52.07	− 9 11.1	0.966	1.963	6.6	17.8
5 21	15 42.25	− 8 48.1	0.953	1.955	6.0	17.7
5 31	15 32.62	− 8 41.5	0.962	1.947	10.0	17.9
6 10	15 24.76	− 8 54.5	0.991	1.940	15.0	18.2
6 20	15 19.76	− 9 27.1	1.039	1.934	19.6	18.4

391700 2008 BU_{11} 5 19.1 180.°64 1.°9/20.1 17

4 11	16 11.72	−25 36.0	2.527	3.316	12.2	22.1
4 21	16 6.79	−25 54.8	2.435	3.317	9.7	21.9
5 1	15 59.86	−26 6.7	2.366	3.317	6.8	21.7
5 11	15 51.50	−26 10.8	2.324	3.317	3.7	21.5
5 21	15 42.41	−26 7.3	2.309	3.317	1.9	21.4
5 31	15 33.46	−25 57.3	2.324	3.317	4.3	21.5
6 10	15 25.47	−25 43.5	2.366	3.316	7.4	21.7
6 20	15 19.07	−25 28.8	2.434	3.315	10.2	21.9

281501 2008 SV_{298} 5 19.1 235.°34 0.°5/19.3 17

4 11	16 12.07	−20 57.3	1.930	2.744	14.6	20.6
4 21	16 7.60	−21 8.5	1.843	2.742	11.5	20.4
5 1	16 0.68	−21 14.2	1.778	2.740	7.8	20.2
5 11	15 51.95	−21 14.3	1.738	2.738	3.7	19.9
5 21	15 42.30	−21 9.7	1.724	2.736	0.9	19.7
5 31	15 32.81	−21 2.0	1.739	2.734	5.1	20.0
6 10	15 24.54	−20 54.4	1.779	2.732	9.1	20.2
6 20	15 18.27	−20 49.7	1.843	2.729	12.7	20.5

402401 2005 YL_{120} 5 19.1 155.°25 1.°1/19.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 15.94	−24 36.6	1.678	2.488	16.6	22.9
4 21	16 10.87	−24 22.2	1.599	2.494	13.1	22.7
5 1	16 2.95	−23 56.2	1.541	2.501	9.0	22.4
5 11	15 52.97	−23 19.0	1.508	2.507	4.4	22.2
5 21	15 42.07	−22 32.7	1.500	2.512	1.3	22.0
5 31	15 31.56	−21 41.5	1.521	2.516	5.6	22.3
6 10	15 22.64	−20 51.4	1.567	2.520	10.1	22.5
6 20	15 16.14	−20 7.7	1.636	2.523	14.0	22.8

397116 2005 VX_{91} 5 19.1 124.°52 0.°2/19.2 17

4 11	16 9.80	−20 21.5	2.550	3.353	11.8	21.6
4 21	16 5.15	−20 30.2	2.465	3.358	9.2	21.4
5 1	15 58.68	−20 34.7	2.403	3.363	6.2	21.2
5 11	15 50.92	−20 35.4	2.368	3.368	2.8	21.0
5 21	15 42.56	−20 32.8	2.361	3.373	0.7	20.8
5 31	15 34.36	−20 28.6	2.383	3.377	4.0	21.1
6 10	15 27.07	−20 24.6	2.433	3.382	7.2	21.3
6 20	15 21.26	−20 23.0	2.508	3.386	10.1	21.5

427760 2004 TM_{61} 5 19.1 252.°41 3.°8/16.7 17

4 11	16 9.85	−11 46.4	2.079	2.900	13.4	21.6
4 21	16 5.64	−10 56.8	1.982	2.885	10.6	21.4
5 1	15 59.26	−10 4.6	1.907	2.868	7.4	21.1
5 11	15 51.28	− 9 13.5	1.858	2.852	4.5	20.9
5 21	15 42.46	− 8 27.5	1.836	2.834	4.2	20.9
5 31	15 33.73	− 7 50.8	1.842	2.817	7.0	21.0
6 10	15 25.99	− 7 26.8	1.874	2.799	10.5	21.2
6 20	15 19.96	− 7 17.0	1.929	2.781	13.7	21.3

392972 2012 XS_{29} 5 19.1 72.°36 0.°3/19.3 17

4 11	16 9.97	−21 37.7	2.159	2.969	13.4	21.4
4 21	16 5.49	−21 32.5	2.088	2.985	10.4	21.2
5 1	15 58.97	−21 20.8	2.039	3.000	7.0	21.1
5 11	15 51.05	−21 3.5	2.016	3.016	3.2	20.8
5 21	15 42.54	−20 42.1	2.020	3.032	0.7	20.7
5 31	15 34.34	−20 19.2	2.052	3.047	4.5	21.0
6 10	15 27.29	−19 57.9	2.112	3.063	8.0	21.2
6 20	15 21.98	−19 40.8	2.195	3.078	11.1	21.4

117404 2005 AC_{9} 5 19.1 201.°51 4.°2/14.6 18

4 11	16 1.55	+ 2 7.6	4.470	5.258	7.3	19.5
4 21	15 57.97	+ 2 31.2	4.391	5.258	6.1	19.4
5 1	15 53.52	+ 2 50.0	4.337	5.257	4.9	19.3
5 11	15 48.47	+ 3 2.0	4.310	5.256	4.3	19.3
5 21	15 43.16	+ 3 5.8	4.311	5.255	4.4	19.3
5 31	15 37.93	+ 3 0.5	4.339	5.255	5.2	19.3
6 10	15 33.14	+ 2 45.9	4.394	5.254	6.4	19.4
6 20	15 29.05	+ 2 22.3	4.473	5.253	7.7	19.5

188845 2006 DK_{189} 5 19.1 242.°37 2.°5/16.1 18

4 11	15 59.77	− 7 38.6	4.675	5.482	6.7	20.6
4 21	15 56.61	− 7 8.5	4.586	5.479	5.3	20.5
5 1	15 52.62	− 6 39.4	4.523	5.475	3.8	20.4
5 11	15 48.06	− 6 13.0	4.488	5.472	2.7	20.3
5 21	15 43.25	− 5 50.6	4.482	5.468	2.7	20.3
5 31	15 38.51	− 5 33.6	4.505	5.464	3.8	20.4
6 10	15 34.17	− 5 22.9	4.556	5.460	5.3	20.5
6 20	15 30.49	− 5 18.9	4.631	5.457	6.8	20.6

18321 Bobrov 5 19.1 133.°17 0.°8/19.6 18

4 11	16 13.45	−23 20.8	2.465	3.257	12.4	19.6
4 21	16 7.93	−23 17.7	2.387	3.273	9.7	19.4
5 1	16 0.48	−23 7.7	2.333	3.289	6.6	19.2
5 11	15 51.72	−22 51.1	2.305	3.304	3.2	19.0
5 21	15 42.39	−22 28.9	2.307	3.318	1.0	18.9
5 31	15 33.36	−22 3.3	2.337	3.331	4.1	19.1
6 10	15 25.40	−21 37.6	2.396	3.344	7.4	19.4
6 20	15 19.09	−21 14.5	2.480	3.356	10.3	19.6

488350 2016 WK_{10} 5 19.1 286.°48 0.°1/19.1 18

4 11	16 11.51	−19 5.5	2.245	3.053	13.0	20.6
4 21	16 7.01	−19 24.7	2.135	3.032	10.2	20.4
5 1	16 0.27	−19 41.2	2.049	3.011	6.9	20.2
5 11	15 51.80	−19 54.9	1.989	2.990	3.2	19.9
5 21	15 42.33	−20 6.1	1.957	2.968	0.8	19.6
5 31	15 32.80	−20 15.5	1.953	2.947	4.8	19.9
6 10	15 24.16	−20 25.1	1.976	2.925	8.6	20.1
6 20	15 17.20	−20 36.7	2.024	2.904	12.0	20.3

167623 2004 CQ_{50} 5 19.1 68.°31 1.°0/18.5 18

4 11	16 9.18	−19 58.9	1.999	2.818	14.0	19.7
4 21	16 4.94	−19 18.6	1.932	2.835	10.8	19.5
5 1	15 58.60	−18 31.2	1.887	2.852	7.2	19.3
5 11	15 50.87	−17 39.2	1.868	2.870	3.2	19.1
5 21	15 42.60	−16 46.1	1.876	2.887	1.4	19.0
5 31	15 34.72	−15 56.0	1.913	2.904	5.1	19.3
6 10	15 28.07	−15 12.9	1.975	2.922	8.8	19.5
6 20	15 23.21	−14 39.7	2.062	2.939	12.0	19.7

253194 2002 XP_{51} 5 19.1 197°.25 1°.0/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 13.83	−23 40.8	2.143	2.942	13.8	21.4
4 21	16 8.74	−23 36.3	2.049	2.939	10.9	21.2
5 1	16 1.33	−23 23.5	1.978	2.935	7.5	21.0
5 11	15 52.22	−23 2.5	1.933	2.931	3.7	20.7
5 21	15 42.27	−22 34.5	1.915	2.926	1.1	20.5
5 31	15 32.49	−22 2.0	1.927	2.921	4.8	20.8
6 10	15 23.87	−21 28.9	1.965	2.915	8.6	21.0
6 20	15 17.14	−20 59.1	2.028	2.908	12.0	21.2

499061 2009 DG_{122} 5 19.1 9°.39 2°.1/19.8 17

4 11	16 9.54	−23 19.2	1.148	1.998	20.2	20.5
4 21	16 7.12	−23 43.7	1.081	1.998	16.0	20.2
5 1	16 1.11	−23 58.2	1.032	2.001	11.1	20.0
5 11	15 52.35	−24 1.5	1.003	2.004	5.6	19.7
5 21	15 42.23	−23 53.9	0.997	2.008	2.2	19.5
5 31	15 32.47	−23 38.4	1.014	2.013	6.9	19.8
6 10	15 24.72	−23 20.6	1.053	2.019	12.2	20.1
6 20	15 20.01	−23 6.0	1.111	2.026	16.9	20.4

6665 Kagawa 5 19.1 156°.12 3°.7/17.0 18

4 11	16 9.47	− 8 45.8	2.381	3.195	12.2	17.3
4 21	16 4.88	− 8 23.9	2.301	3.198	9.6	17.2
5 1	15 58.49	− 8 3.9	2.244	3.201	6.8	17.0
5 11	15 50.84	− 7 48.5	2.214	3.204	4.3	16.8
5 21	15 42.61	− 7 39.9	2.211	3.206	4.0	16.8
5 31	15 34.56	− 7 40.1	2.237	3.209	6.2	17.0
6 10	15 27.45	− 7 50.3	2.289	3.211	9.0	17.1
6 20	15 21.82	− 8 10.6	2.364	3.213	11.7	17.3

393809 2005 QY_{120} 5 19.1 318°.61 4°.1/21.4 16

4 11	16 10.42	−31 56.2	2.211	2.993	14.0	21.1
4 21	16 6.24	−32 16.7	2.120	2.990	11.5	20.9
5 1	15 59.73	−32 25.4	2.050	2.987	8.6	20.7
5 11	15 51.51	−32 20.2	2.004	2.985	5.7	20.5
5 21	15 42.43	−32 1.1	1.985	2.982	4.1	20.4
5 31	15 33.53	−31 29.5	1.992	2.979	5.5	20.5
6 10	15 25.78	−30 49.7	2.027	2.977	8.3	20.7
6 20	15 19.94	−30 6.4	2.085	2.975	11.3	20.9

114208 2002 VH_{107} 5 19.1 19°.67 1°.4/20.2 18

4 11	16 6.01	−25 27.1	4.112	4.890	8.1	19.3
4 21	16 1.63	−25 53.2	4.016	4.891	6.4	19.2
5 1	15 56.07	−26 15.1	3.945	4.893	4.5	19.0
5 11	15 49.69	−26 32.5	3.903	4.894	2.5	18.9
5 21	15 42.88	−26 45.3	3.890	4.896	1.4	18.8
5 31	15 36.13	−26 54.0	3.907	4.897	2.8	18.9
6 10	15 29.89	−26 59.7	3.953	4.899	4.8	19.0
6 20	15 24.55	−27 3.6	4.026	4.901	6.7	19.2

173257 1999 RH_{120} 5 19.1 273°.91 1°.7/18.3 18

4 11	16 12.18	−17 50.5	1.678	2.504	15.9	20.4
4 21	16 8.26	−17 23.1	1.573	2.480	12.6	20.1
5 1	16 1.50	−16 48.6	1.489	2.455	8.5	19.8
5 11	15 52.50	−16 8.7	1.429	2.430	4.1	19.5
5 21	15 42.17	−15 26.8	1.395	2.404	2.2	19.3
5 31	15 31.78	−14 47.1	1.387	2.378	6.8	19.5
6 10	15 22.62	−14 14.9	1.405	2.352	11.5	19.7
6 20	15 15.68	−13 54.0	1.444	2.325	15.9	19.9

110332 2001 SP_{289} 5 19.1 209°.33 6°.6/14.7 18

4 11	16 9.95	− 4 12.3	2.075	2.893	13.6	20.1
4 21	16 5.54	− 2 57.9	1.995	2.888	11.0	19.9
5 1	15 59.08	− 1 46.1	1.937	2.882	8.5	19.7
5 11	15 51.15	− 0 42.6	1.905	2.877	6.8	19.6
5 21	15 42.53	+ 0 7.5	1.900	2.870	7.1	19.6
5 31	15 34.10	+ 0 40.1	1.921	2.864	9.1	19.7
6 10	15 26.71	+ 0 53.1	1.967	2.856	11.8	19.9
6 20	15 21.00	+ 0 46.7	2.034	2.849	14.5	20.0

147219 2002 XQ_{12} 5 19.1 58°.08 1°.0/18.8 18

4 11	16 15.09	−16 26.8	1.467	2.298	17.6	19.7
4 21	16 10.30	−16 44.2	1.407	2.316	13.6	19.5
5 1	16 2.59	−16 59.5	1.367	2.334	9.1	19.2
5 11	15 52.81	−17 13.2	1.351	2.353	4.1	19.0
5 21	15 42.16	−17 26.1	1.361	2.372	1.5	18.8
5 31	15 32.01	−17 39.7	1.396	2.391	6.2	19.2
6 10	15 23.57	−17 56.1	1.457	2.410	10.7	19.5
6 20	15 17.64	−18 17.0	1.539	2.429	14.6	19.8

261923 2006 KY_{77} 5 19.1 263°.16 3°.7/17.7 18

4 11	16 13.19	−11 59.2	1.602	2.432	16.3	20.4
4 21	16 8.97	−11 39.5	1.510	2.418	12.9	20.2
5 1	16 1.92	−11 19.4	1.439	2.404	9.0	19.9
5 11	15 52.65	−11 2.0	1.392	2.389	5.0	19.6
5 21	15 42.16	−10 50.6	1.370	2.374	4.1	19.5
5 31	15 31.72	−10 48.6	1.375	2.359	7.7	19.7
6 10	15 22.60	−10 58.3	1.404	2.344	12.1	19.9
6 20	15 15.76	−11 20.9	1.454	2.328	16.2	20.1

501240 2013 VN_{10} 5 19.1 204°.67 2°.7/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 10.40	−14 59.2	2.044	2.864	13.7	21.9
4 21	16 6.01	−14 16.3	1.957	2.860	10.7	21.7
5 1	15 59.45	−13 29.1	1.893	2.857	7.2	21.5
5 11	15 51.35	−12 40.8	1.855	2.853	3.8	21.3
5 21	15 42.50	−11 54.9	1.844	2.849	3.0	21.2
5 31	15 33.86	−11 15.6	1.861	2.844	6.2	21.4
6 10	15 26.33	−10 46.1	1.905	2.839	9.8	21.6
6 20	15 20.56	−10 28.7	1.971	2.834	13.0	21.8

70660 1999 TV_{270} 5 19.1 181°.69 2°.6/20.8 18

4 11	16 11.61	−29 15.4	2.119	2.909	14.2	20.0
4 21	16 7.09	−29 7.3	2.030	2.910	11.4	19.8
5 1	16 0.24	−28 46.7	1.962	2.910	8.2	19.6
5 11	15 51.72	−28 13.1	1.919	2.910	4.7	19.3
5 21	15 42.42	−27 27.5	1.903	2.910	2.6	19.2
5 31	15 33.38	−26 33.3	1.916	2.909	4.9	19.3
6 10	15 25.58	−25 35.5	1.955	2.908	8.4	19.6
6 20	15 19.71	−24 39.4	2.018	2.907	11.7	19.8

30868 1992 ET_{10} 5 19.1 139°.13 0°.3/18.9 18

4 11	16 9.53	−19 48.5	2.834	3.633	10.8	19.7
4 21	16 4.66	−19 35.3	2.753	3.645	8.4	19.6
5 1	15 58.21	−19 17.6	2.696	3.656	5.6	19.4
5 11	15 50.67	−18 56.4	2.666	3.667	2.5	19.2
5 21	15 42.68	−18 33.3	2.666	3.677	0.7	19.1
5 31	15 34.89	−18 10.2	2.695	3.687	3.8	19.3
6 10	15 27.96	−17 49.4	2.753	3.697	6.7	19.5
6 20	15 22.36	−17 32.9	2.836	3.706	9.3	19.7

507442 2012 SR_{40} 5 19.1 205°.77 4°.5/15.8 18

4 11	16 8.64	− 8 35.5	2.455	3.269	11.8	22.1
4 21	16 4.22	− 7 33.5	2.368	3.264	9.4	22.0
5 1	15 58.05	− 6 31.3	2.305	3.259	6.8	21.8
5 11	15 50.65	− 5 32.7	2.269	3.253	4.8	21.6
5 21	15 42.67	− 4 41.7	2.261	3.247	4.8	21.6
5 31	15 34.86	− 4 2.0	2.281	3.240	6.9	21.8
6 10	15 27.92	− 3 35.8	2.328	3.233	9.6	21.9
6 20	15 22.40	− 3 24.2	2.398	3.226	12.2	22.1

231475 2007 VO_{3} 5 19.1 240°.89 3°.1/17.4 18

4 11	16 10.47	−10 53.5	2.362	3.175	12.3	20.3
4 21	16 5.84	−10 36.1	2.265	3.163	9.7	20.1
5 1	15 59.26	−10 19.1	2.191	3.151	6.7	19.9
5 11	15 51.26	−10 4.8	2.144	3.139	3.9	19.7
5 21	15 42.52	− 9 55.4	2.125	3.126	3.4	19.6
5 31	15 33.86	− 9 53.2	2.134	3.113	5.9	19.8
6 10	15 26.08	− 9 59.7	2.170	3.099	9.1	19.9
6 20	15 19.81	−10 15.6	2.231	3.085	12.0	20.1

432013 2008 UL_{366} 5 19.1 285°.89 1°.0/18.6 17

4 11	16 10.07	−18 4.0	1.873	2.696	14.6	21.3
4 21	16 6.10	−17 53.5	1.783	2.689	11.4	21.1
5 1	15 59.73	−17 38.1	1.715	2.681	7.7	20.9
5 11	15 51.55	−17 19.4	1.671	2.673	3.5	20.6
5 21	15 42.45	−16 59.3	1.654	2.665	1.5	20.4
5 31	15 33.50	−16 40.8	1.664	2.657	5.6	20.7
6 10	15 25.72	−16 27.0	1.700	2.649	9.7	20.9
6 20	15 19.88	−16 20.6	1.759	2.642	13.4	21.1

476731 2008 UE_{33} 5 19.1 147°.82 0°.8/18.3 18

4 11	16 3.93	−16 48.0	4.275	5.073	7.5	23.2
4 21	15 59.84	−16 31.0	4.190	5.082	5.7	23.1
5 1	15 54.78	−16 12.1	4.131	5.092	3.8	23.0
5 11	15 49.07	−15 52.1	4.101	5.100	1.8	22.8
5 21	15 43.08	−15 32.4	4.100	5.109	1.0	22.8
5 31	15 37.20	−15 14.1	4.130	5.117	2.9	22.9
6 10	15 31.83	−14 58.5	4.189	5.125	4.9	23.1
6 20	15 27.26	−14 46.8	4.274	5.133	6.7	23.2

359868 2011 WG 5 19.1 352°.17 3°.0/19.8 17

4 11	16 12.89	−23 10.1	1.162	2.006	20.4	20.4
4 21	16 9.96	−24 2.6	1.089	2.002	16.3	20.1
5 1	16 3.23	−24 48.6	1.033	1.999	11.4	19.8
5 11	15 53.45	−25 25.0	0.998	1.996	6.1	19.5
5 21	15 41.99	−25 49.2	0.985	1.995	3.1	19.3
5 31	15 30.71	−26 1.5	0.996	1.994	7.4	19.5
6 10	15 21.43	−26 6.0	1.029	1.994	12.7	19.8
6 20	15 15.38	−26 8.1	1.082	1.994	17.5	20.1

468484 2004 TM_{280} 5 19.1 266°.86 4°.1/17.2 18

4 11	16 13.40	− 8 45.6	2.140	2.952	13.4	21.5
4 21	16 8.50	− 8 27.9	2.030	2.925	10.7	21.2
5 1	16 1.30	− 8 12.1	1.942	2.899	7.7	21.0
5 11	15 52.32	− 8 1.1	1.880	2.871	4.8	20.8
5 21	15 42.29	− 7 57.5	1.846	2.843	4.4	20.7
5 31	15 32.17	− 8 3.8	1.840	2.814	7.1	20.8
6 10	15 22.95	− 8 21.6	1.861	2.785	10.6	20.9
6 20	15 15.44	− 8 51.3	1.905	2.755	14.0	21.1

70006 1998 XZ_{32} 5 19.1 101°.17 4°.1/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 14.33	−31 34.8	2.224	3.000	14.1	18.7
4 21	16 9.12	−32 5.6	2.148	3.015	11.5	18.6
5 1	16 1.55	−32 24.9	2.094	3.029	8.5	18.4
5 11	15 52.32	−32 30.7	2.065	3.044	5.6	18.2
5 21	15 42.33	−32 22.5	2.062	3.059	4.1	18.2
5 31	15 32.65	−32 1.9	2.088	3.073	5.4	18.3
6 10	15 24.24	−31 32.6	2.140	3.087	8.2	18.5
6 20	15 17.80	−30 59.3	2.217	3.100	11.0	18.7

40102 1998 QU_{1} 5 19.1 311°.03 4°.7/16.8 18

4 11	16 7.58	−10 31.5	1.687	2.525	15.3	18.8
4 21	16 4.41	− 9 48.9	1.596	2.508	12.1	18.5
5 1	15 58.74	− 9 5.3	1.526	2.490	8.6	18.3
5 11	15 51.17	− 8 25.2	1.480	2.473	5.4	18.1
5 21	15 42.58	− 7 53.0	1.459	2.457	5.1	18.0
5 31	15 34.06	− 7 33.2	1.463	2.440	8.2	18.1
6 10	15 26.72	− 7 28.9	1.491	2.424	12.1	18.3
6 20	15 21.38	− 7 41.0	1.541	2.409	15.7	18.5

503229 2015 HU_{101} 5 19.1 67°.30 0°.4/18.8 17

4 11	16 9.35	−21 16.8	1.911	2.730	14.5	20.8
4 21	16 5.30	−20 43.9	1.837	2.740	11.3	20.6
5 1	15 58.99	−20 2.5	1.785	2.750	7.5	20.4
5 11	15 51.13	−19 14.8	1.759	2.760	3.4	20.2
5 21	15 42.62	−18 24.0	1.759	2.770	1.0	20.0
5 31	15 34.46	−17 34.2	1.787	2.780	5.2	20.3
6 10	15 27.56	−16 49.9	1.840	2.791	9.0	20.6
6 20	15 22.56	−16 14.6	1.918	2.801	12.4	20.8

35609 1998 HC_{132} 5 19.1 357°.50 2°.2/18.0 18

4 11	16 8.20	−14 37.2	2.023	2.848	13.6	18.6
4 21	16 4.35	−14 21.7	1.941	2.847	10.6	18.4
5 1	15 58.38	−14 4.1	1.881	2.847	7.1	18.2
5 11	15 50.90	−13 46.8	1.846	2.846	3.6	17.9
5 21	15 42.68	−13 31.9	1.839	2.846	2.5	17.9
5 31	15 34.65	−13 22.0	1.858	2.846	5.7	18.1
6 10	15 27.70	−13 19.4	1.903	2.846	9.3	18.3
6 20	15 22.48	−13 25.4	1.972	2.847	12.5	18.5

203713 2002 PJ_{163} 5 19.1 205°.74 2°.8/17.4 18

4 11	16 9.66	−12 50.5	2.348	3.162	12.3	21.4
4 21	16 5.16	−12 21.0	2.259	3.159	9.6	21.2
5 1	15 58.77	−11 50.1	2.193	3.155	6.6	21.0
5 11	15 51.03	−11 20.2	2.154	3.150	3.6	20.8
5 21	15 42.65	−10 54.0	2.143	3.146	3.1	20.8
5 31	15 34.42	−10 34.1	2.160	3.140	5.7	20.9
6 10	15 27.12	−10 22.9	2.204	3.135	8.8	21.1
6 20	15 21.34	−10 21.6	2.272	3.129	11.8	21.3

52742 1998 HV_{126} 5 19.1 93°.58 1°.6/20.2 18

4 11	16 10.37	−26 22.6	2.322	3.117	13.0	19.4
4 21	16 5.75	−26 15.1	2.246	3.131	10.3	19.2
5 1	15 59.14	−25 58.3	2.192	3.146	7.1	19.0
5 11	15 51.17	−25 32.3	2.165	3.160	3.8	18.8
5 21	15 42.64	−24 58.6	2.165	3.174	1.7	18.7
5 31	15 34.41	−24 19.9	2.193	3.188	4.3	18.9
6 10	15 27.31	−23 40.0	2.249	3.202	7.5	19.1
6 20	15 21.89	−23 2.6	2.330	3.215	10.5	19.3

429529 2011 BN_{87} 5 19.1 118°.70 4°.1/17.2 17

4 11	16 12.13	−10 25.8	1.843	2.666	14.8	22.0
4 21	16 7.42	− 9 52.8	1.772	2.676	11.6	21.8
5 1	16 0.41	− 9 20.5	1.724	2.685	8.1	21.6
5 11	15 51.80	− 8 52.4	1.701	2.694	4.9	21.4
5 21	15 42.49	− 8 31.9	1.704	2.703	4.4	21.4
5 31	15 33.51	− 8 21.9	1.735	2.711	7.2	21.6
6 10	15 25.81	− 8 24.3	1.790	2.719	10.6	21.8
6 20	15 20.04	− 8 39.3	1.869	2.727	13.8	22.0

206779 2004 CR_{97} 5 19.1 93°.37 1°.9/20.0 17

4 11	16 12.14	−24 51.7	2.123	2.923	13.9	20.6
4 21	16 7.44	−25 12.0	2.042	2.930	11.0	20.4
5 1	16 0.47	−25 24.7	1.982	2.937	7.6	20.2
5 11	15 51.87	−25 29.1	1.949	2.944	4.1	20.0
5 21	15 42.48	−25 25.3	1.942	2.951	1.9	19.8
5 31	15 33.31	−25 14.9	1.964	2.958	4.7	20.0
6 10	15 25.33	−25 1.0	2.012	2.965	8.2	20.3
6 20	15 19.21	−24 46.9	2.085	2.972	11.4	20.5

479954 2014 HG_{182} 5 19.1 67°.85 2°.7/20.3 17

4 11	16 14.71	−25 52.6	2.155	2.948	14.0	21.3
4 21	16 9.40	−26 38.7	2.082	2.964	11.1	21.1
5 1	16 1.76	−27 17.8	2.031	2.980	7.9	21.0
5 11	15 52.45	−27 47.8	2.006	2.997	4.5	20.8
5 21	15 42.35	−28 7.8	2.008	3.013	2.8	20.7
5 31	15 32.50	−28 18.2	2.039	3.030	5.0	20.9
6 10	15 23.89	−28 21.6	2.097	3.046	8.2	21.1
6 20	15 17.21	−28 21.2	2.179	3.063	11.2	21.3

387374 2012 XA_{129} 5 19.1 265°.38 2°.0/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 10.16	−26 47.7	2.103	2.903	14.0	21.3
4 21	16 6.06	−26 43.9	2.007	2.895	11.2	21.1
5 1	15 59.65	−26 29.7	1.932	2.886	7.9	20.9
5 11	15 51.54	−26 4.5	1.882	2.877	4.3	20.7
5 21	15 42.55	−25 29.4	1.860	2.869	2.0	20.5
5 31	15 33.71	−24 47.3	1.865	2.860	4.8	20.6
6 10	15 26.01	−24 2.4	1.896	2.851	8.5	20.9
6 20	15 20.18	−23 19.5	1.952	2.842	12.0	21.0

102078 1999 RS_{147} 5 19.1 214°.33 4°.2/22.1 18

4 11	16 11.01	−34 52.9	2.751	3.506	12.2	20.1
4 21	16 6.30	−35 7.4	2.651	3.501	10.1	19.9
5 1	15 59.59	−35 10.1	2.573	3.496	7.7	19.7
5 11	15 51.44	−34 59.4	2.521	3.491	5.5	19.6
5 21	15 42.59	−34 35.0	2.496	3.485	4.2	19.5
5 31	15 33.87	−33 58.3	2.499	3.479	5.1	19.5
6 10	15 26.13	−33 12.8	2.530	3.473	7.3	19.6
6 20	15 19.99	−32 22.9	2.586	3.466	9.7	19.8

35789 1999 JF_{25} 5 19.1 351°.00 3°.6/20.4 18

4 11	16 9.56	−26 29.3	1.180	2.022	20.3	18.8
4 21	16 7.31	−26 59.3	1.106	2.017	16.3	18.5
5 1	16 1.40	−27 16.4	1.049	2.013	11.6	18.2
5 11	15 52.61	−27 18.2	1.013	2.009	6.6	17.9
5 21	15 42.29	−27 3.9	0.999	2.007	3.6	17.8
5 31	15 32.23	−26 36.4	1.007	2.005	7.3	18.0
6 10	15 24.12	−26 2.3	1.038	2.005	12.4	18.2
6 20	15 19.13	−25 29.0	1.088	2.005	17.1	18.5

20172 1996 XT_{16} 5 19.1 109°.09 0°.2/19.2 18

4 11	16 14.82	−22 5.4	1.685	2.501	16.3	19.9
4 21	16 9.84	−21 49.5	1.616	2.516	12.7	19.7
5 1	16 2.17	−21 24.6	1.569	2.531	8.6	19.5
5 11	15 52.64	−20 51.9	1.545	2.546	3.9	19.2
5 21	15 42.34	−20 13.7	1.549	2.560	0.9	19.0
5 31	15 32.50	−19 34.1	1.579	2.574	5.5	19.4
6 10	15 24.23	−18 58.0	1.636	2.588	9.8	19.7
6 20	15 18.25	−18 29.3	1.715	2.601	13.5	19.9

301009 2008 GS_{141} 5 19.1 341°.59 1°.3/17.8 18

4 11	16 1.25	−14 31.4	4.051	4.859	7.7	20.9
4 21	15 57.93	−14 14.8	3.959	4.857	5.9	20.8
5 1	15 53.61	−13 57.1	3.893	4.855	4.0	20.6
5 11	15 48.60	−13 39.5	3.854	4.852	2.0	20.5
5 21	15 43.27	−13 23.2	3.844	4.850	1.5	20.4
5 31	15 38.03	−13 9.5	3.864	4.848	3.2	20.6
6 10	15 33.26	−12 59.6	3.912	4.846	5.2	20.7
6 20	15 29.30	−12 54.5	3.986	4.844	7.1	20.9

412917 2014 QS_{139} 5 19.1 218°.81 0°.2/19.0 16

4 11	16 14.42	−20 37.6	1.674	2.493	16.3	22.4
4 21	16 9.87	−20 25.4	1.585	2.487	12.8	22.1
5 1	16 2.47	−20 5.5	1.516	2.480	8.7	21.9
5 11	15 52.92	−19 38.5	1.472	2.473	4.0	21.6
5 21	15 42.25	−19 6.4	1.454	2.466	1.0	21.3
5 31	15 31.76	−18 33.1	1.463	2.458	6.0	21.6
6 10	15 22.69	−18 3.2	1.498	2.449	10.6	21.9
6 20	15 15.95	−17 40.8	1.555	2.440	14.7	22.1

357085 2001 SM_{207} 5 19.1 315°.20 4°.9/16.9 17

4 11	16 6.96	−14 10.6	1.166	2.028	19.2	20.9
4 21	16 5.04	−13 10.3	1.084	2.010	15.2	20.6
5 1	15 59.78	−12 2.0	1.020	1.993	10.5	20.3
5 11	15 51.87	−10 51.6	0.977	1.976	6.0	20.0
5 21	15 42.48	− 9 46.9	0.956	1.960	5.5	19.9
5 31	15 33.18	− 8 56.0	0.958	1.945	9.9	20.1
6 10	15 25.56	− 8 25.6	0.981	1.930	15.1	20.3
6 20	15 20.72	− 8 18.5	1.022	1.916	19.9	20.6

351894 2006 SU_{229} 5 19.1 229°.94 5°.2/21.9 16

4 11	16 13.20	−35 10.4	2.384	3.143	13.7	21.7
4 21	16 8.43	−35 48.3	2.288	3.138	11.5	21.5
5 1	16 1.26	−36 14.1	2.213	3.134	8.9	21.3
5 11	15 52.30	−36 25.1	2.163	3.128	6.5	21.1
5 21	15 42.39	−36 19.6	2.139	3.123	5.2	21.1
5 31	15 32.59	−35 58.7	2.142	3.118	6.1	21.1
6 10	15 23.91	−35 25.5	2.172	3.112	8.5	21.2
6 20	15 17.14	−34 45.2	2.227	3.106	11.1	21.4

462835 2010 TQ_{109} 5 19.1 319°.86 3°.5/17.8 17

4 11	16 6.67	−14 48.5	1.196	2.056	18.9	21.0
4 21	16 4.89	−14 19.2	1.107	2.033	15.0	20.7
5 1	15 59.76	−13 44.6	1.037	2.010	10.3	20.4
5 11	15 51.91	−13 8.7	0.987	1.988	5.4	20.0
5 21	15 42.45	−12 36.4	0.960	1.967	4.1	19.8
5 31	15 32.94	−12 13.5	0.955	1.947	8.8	20.0
6 10	15 24.99	−12 5.2	0.972	1.928	14.3	20.3
6 20	15 19.82	−12 14.2	1.007	1.910	19.3	20.5

417776 2007 ED_{13} 5 19.1 342.°26 8.°7/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 6.67	− 3 30.1	1.422	2.268	17.2	19.8
4 21	16 3.93	− 2 14.2	1.352	2.261	14.1	19.5
5 1	15 58.50	− 1 3.3	1.302	2.254	11.0	19.3
5 11	15 51.08	− 0 5.5	1.273	2.248	8.9	19.2
5 21	15 42.69	+ 0 32.1	1.268	2.243	9.2	19.2
5 31	15 34.56	+ 0 44.6	1.286	2.239	11.7	19.3
6 10	15 27.83	+ 0 30.4	1.325	2.235	15.0	19.5
6 20	15 23.32	− 0 8.4	1.383	2.232	18.3	19.7

505883 2015 DR_{134} 5 19.1 246.°00 1.°4/18.6 18

4 11	16 13.58	−14 58.7	2.049	2.862	13.9	20.8
4 21	16 8.67	−15 9.9	1.954	2.853	10.9	20.6
5 1	16 1.42	−15 20.5	1.881	2.844	7.4	20.4
5 11	15 52.38	−15 31.5	1.834	2.835	3.5	20.1
5 21	15 42.39	−15 43.7	1.815	2.825	1.8	20.0
5 31	15 32.46	−15 58.2	1.824	2.815	5.5	20.2
6 10	15 23.59	−16 16.6	1.860	2.805	9.4	20.4
6 20	15 16.57	−16 40.0	1.920	2.794	12.8	20.6

127808 2003 FU_{82} 5 19.1 317.°14 3.°5/18.1 17

4 11	16 9.55	−13 19.1	1.198	2.054	19.1	19.1
4 21	16 7.13	−13 8.9	1.112	2.035	15.2	18.8
5 1	16 1.27	−12 57.9	1.045	2.017	10.5	18.5
5 11	15 52.61	−12 49.5	0.999	2.000	5.5	18.1
5 21	15 42.31	−12 47.2	0.975	1.983	3.9	18.0
5 31	15 31.97	−12 54.7	0.975	1.967	8.6	18.2
6 10	15 23.27	−13 14.8	0.996	1.952	14.1	18.4
6 20	15 17.41	−13 48.6	1.036	1.938	19.0	18.7

170633 2003 YT_{71} 5 19.1 98.°48 0.°6/19.5 18

4 11	16 11.21	−22 41.4	2.146	2.953	13.6	20.6
4 21	16 6.53	−22 33.0	2.072	2.966	10.6	20.4
5 1	15 59.74	−22 17.2	2.020	2.980	7.2	20.2
5 11	15 51.49	−21 54.6	1.994	2.994	3.4	20.0
5 21	15 42.63	−21 27.0	1.995	3.007	0.8	19.8
5 31	15 34.09	−20 57.0	2.025	3.020	4.5	20.1
6 10	15 26.72	−20 28.3	2.082	3.033	8.1	20.4
6 20	15 21.13	−20 3.9	2.163	3.046	11.3	20.6

407762 2011 WL_{70} 5 19.1 124.°10 0.°1/19.2 16

4 11	16 16.01	−20 48.6	1.679	2.495	16.4	22.4
4 21	16 10.83	−20 44.0	1.608	2.508	12.8	22.2
5 1	16 2.90	−20 32.2	1.557	2.520	8.6	22.0
5 11	15 53.02	−20 13.9	1.531	2.532	3.9	21.7
5 21	15 42.29	−19 50.8	1.532	2.544	0.9	21.5
5 31	15 31.96	−19 26.1	1.560	2.555	5.6	21.9
6 10	15 23.20	−19 4.0	1.614	2.565	10.0	22.1
6 20	15 16.76	−18 48.1	1.690	2.575	13.8	22.4

137443 1999 TK_{240} 5 19.1 292.°35 2.°5/18.0 18

4 11	16 10.37	−16 8.7	1.489	2.328	16.9	20.1
4 21	16 7.12	−15 41.4	1.394	2.308	13.4	19.8
5 1	16 0.90	−15 8.4	1.320	2.289	9.1	19.5
5 11	15 52.32	−14 32.5	1.268	2.269	4.5	19.2
5 21	15 42.41	−13 57.3	1.241	2.250	3.0	19.0
5 31	15 32.51	−13 27.6	1.240	2.231	7.4	19.2
6 10	15 23.98	−13 8.2	1.262	2.211	12.4	19.5
6 20	15 17.84	−13 2.2	1.305	2.192	16.8	19.7

43679 2002 HJ_{4} 5 19.1 111.°02 0.°8/18.8 18

4 11	16 17.43	−17 55.6	1.700	2.516	16.2	19.8
4 21	16 11.77	−17 56.7	1.634	2.535	12.6	19.6
5 1	16 3.43	−17 53.5	1.590	2.553	8.4	19.4
5 11	15 53.23	−17 47.0	1.570	2.571	3.8	19.2
5 21	15 42.25	−17 38.7	1.577	2.588	1.3	19.0
5 31	15 31.73	−17 30.9	1.612	2.605	5.7	19.4
6 10	15 22.78	−17 26.7	1.673	2.621	10.0	19.7
6 20	15 16.13	−17 28.5	1.757	2.636	13.6	19.9

341192 2007 RB_{53} 5 19.1 317.°55 0.°4/19.4 17

4 11	16 9.38	−22 59.8	2.012	2.825	14.1	20.8
4 21	16 5.39	−22 39.3	1.926	2.824	11.1	20.6
5 1	15 59.15	−22 9.7	1.862	2.824	7.5	20.3
5 11	15 51.30	−21 32.3	1.823	2.823	3.5	20.1
5 21	15 42.69	−20 49.1	1.811	2.823	0.8	19.9
5 31	15 34.31	−20 3.8	1.827	2.822	4.9	20.2
6 10	15 27.11	−19 20.9	1.869	2.822	8.8	20.4
6 20	15 21.76	−18 44.2	1.935	2.822	12.2	20.6

38084 1999 HB_{12} 5 19.1 0.°94 0.°4/16.1 15

4 11	15 47.62	− 7 2.7	31.766	32.573	1.1	22.2
4 21	15 46.86	− 6 57.7	31.681	32.573	0.8	22.2
5 1	15 46.01	− 6 53.0	31.622	32.573	0.6	22.2
5 11	15 45.09	− 6 48.7	31.592	32.574	0.4	22.2
5 21	15 44.14	− 6 45.0	31.590	32.574	0.4	22.2
5 31	15 43.20	− 6 42.1	31.616	32.575	0.6	22.2
6 10	15 42.31	− 6 39.9	31.670	32.575	0.8	22.2
6 20	15 41.49	− 6 38.7	31.750	32.576	1.1	22.2

367139 2006 TL_{68} 5 19.1 283.°04 0.°4/19.4 18

4 11	16 5.58	−21 54.4	3.216	4.014	9.7	21.4
4 21	16 1.69	−21 51.2	3.107	3.998	7.6	21.2
5 1	15 56.34	−21 43.3	3.022	3.981	5.1	21.0
5 11	15 49.95	−21 31.1	2.965	3.964	2.4	20.8
5 21	15 43.01	−21 15.6	2.935	3.947	0.6	20.6
5 31	15 36.11	−20 58.3	2.936	3.930	3.4	20.8
6 10	15 29.84	−20 41.1	2.964	3.913	6.1	21.0
6 20	15 24.67	−20 26.0	3.019	3.896	8.6	21.1

270268 2001 UH_{171} 5 19.1 197.°41 1.°6/20.1 17

4 11	16 14.15	−25 37.0	2.429	3.215	12.8	22.4
4 21	16 8.80	−25 40.1	2.331	3.212	10.1	22.2
5 1	16 1.33	−25 35.0	2.256	3.207	7.1	22.0
5 11	15 52.29	−25 21.2	2.208	3.202	3.7	21.8
5 21	15 42.48	−24 59.2	2.188	3.197	1.7	21.6
5 31	15 32.81	−24 31.0	2.197	3.190	4.4	21.8
6 10	15 24.16	−24 0.1	2.234	3.183	7.8	22.0
6 20	15 17.22	−23 29.9	2.297	3.175	10.9	22.2

176248 2001 QR_{257} 5 19.1 197.°42 5.°1/14.9 18

4 11	16 7.74	− 2 37.9	3.008	3.808	10.2	21.1
4 21	16 3.22	− 1 46.0	2.923	3.804	8.3	20.9
5 1	15 57.27	− 0 57.6	2.863	3.800	6.4	20.8
5 11	15 50.35	− 0 16.1	2.830	3.795	5.2	20.7
5 21	15 42.96	+ 0 15.6	2.825	3.790	5.4	20.7
5 31	15 35.70	+ 0 35.2	2.848	3.784	6.8	20.8
6 10	15 29.14	+ 0 41.4	2.898	3.777	8.8	20.9
6 20	15 23.72	+ 0 34.4	2.971	3.770	10.8	21.0

123008 2000 SJ_{260} 5 19.1 237.°10 2.°1/17.8 18

4 11	16 11.50	−15 24.9	2.398	3.206	12.3	21.6
4 21	16 6.71	−14 53.5	2.292	3.190	9.6	21.4
5 1	15 59.94	−14 18.3	2.210	3.172	6.5	21.1
5 11	15 51.68	−13 41.3	2.155	3.154	3.3	20.9
5 21	15 42.64	−13 5.1	2.129	3.135	2.4	20.8
5 31	15 33.66	−12 32.9	2.131	3.116	5.4	21.0
6 10	15 25.55	−12 7.7	2.161	3.095	8.8	21.1
6 20	15 18.99	−11 51.7	2.216	3.074	11.9	21.3

436281 2010 CH_{181} 5 19.1 51.°13 5.°6/21.9 17

4 11	16 13.73	−33 29.7	1.752	2.539	16.9	21.1
4 21	16 9.39	−34 10.2	1.682	2.553	13.9	21.0
5 1	16 2.13	−34 35.8	1.632	2.566	10.6	20.8
5 11	15 52.75	−34 43.2	1.604	2.580	7.4	20.6
5 21	15 42.41	−34 31.4	1.602	2.594	5.6	20.5
5 31	15 32.45	−34 2.3	1.625	2.608	6.9	20.6
6 10	15 24.12	−33 21.3	1.673	2.623	9.8	20.9
6 20	15 18.26	−32 35.1	1.744	2.638	13.0	21.1

151779 2003 EP_{47} 5 19.1 92.°19 2.°3/17.9 17

4 11	16 11.73	−16 57.2	1.756	2.581	15.4	20.5
4 21	16 7.22	−16 9.5	1.690	2.597	11.9	20.3
5 1	16 0.32	−15 16.1	1.646	2.612	7.9	20.1
5 11	15 51.80	−14 20.5	1.627	2.628	3.9	19.9
5 21	15 42.65	−13 27.1	1.635	2.643	2.7	19.9
5 31	15 33.94	−12 40.4	1.671	2.658	6.3	20.1
6 10	15 26.62	−12 4.5	1.731	2.672	10.2	20.4
6 20	15 21.35	−11 41.6	1.815	2.687	13.6	20.6

200637 2001 SL_{215} 5 19.1 232.°76 1.°0/19.5 16

4 11	16 16.54	−22 3.4	1.662	2.475	16.6	20.8
4 21	16 11.75	−22 18.2	1.567	2.465	13.2	20.5
5 1	16 3.93	−22 26.2	1.493	2.454	9.1	20.2
5 11	15 53.71	−22 26.6	1.444	2.443	4.4	19.9
5 21	15 42.16	−22 19.3	1.420	2.431	1.3	19.7
5 31	15 30.65	−22 6.4	1.423	2.419	5.9	20.0
6 10	15 20.57	−21 51.8	1.452	2.406	10.7	20.2
6 20	15 12.92	−21 39.9	1.504	2.392	14.9	20.4

22101 2000 JG_{15} 5 19.1 74.°56 1.°7/18.5 18

4 11	16 13.68	−13 33.1	2.063	2.876	13.8	17.7
4 21	16 8.56	−13 52.5	1.983	2.882	10.8	17.5
5 1	16 1.21	−14 12.8	1.926	2.889	7.3	17.3
5 11	15 52.26	−14 34.6	1.895	2.895	3.5	17.0
5 21	15 42.53	−14 58.4	1.892	2.901	2.0	16.9
5 31	15 33.01	−15 24.9	1.918	2.908	5.3	17.2
6 10	15 24.63	−15 54.9	1.971	2.914	9.0	17.4
6 20	15 18.07	−16 29.0	2.048	2.921	12.2	17.6

49989 2000 AJ_{5} 5 19.1 79.°21 1.°3/18.7 18

4 11	16 14.85	−18 24.2	1.292	2.131	19.0	18.9
4 21	16 10.59	−18 9.8	1.230	2.143	14.8	18.6
5 1	16 3.06	−17 48.9	1.187	2.156	9.9	18.4
5 11	15 53.20	−17 23.4	1.167	2.169	4.5	18.1
5 21	15 42.33	−16 56.5	1.171	2.182	1.8	18.0
5 31	15 32.01	−16 32.4	1.200	2.194	7.0	18.3
6 10	15 23.60	−16 15.8	1.252	2.207	11.9	18.6
6 20	15 17.96	−16 9.7	1.325	2.219	16.2	18.9

149144 2002 ED_{117} 5 19.1 237°.68 3°.5/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 7.23	− 9 54.3	2.596	3.411	11.3	20.9
4 21	16 3.13	− 9 17.8	2.505	3.403	8.8	20.8
5 1	15 57.38	− 8 41.4	2.437	3.395	6.2	20.6
5 11	15 50.46	− 8 7.8	2.397	3.387	4.0	20.4
5 21	15 42.96	− 7 40.0	2.384	3.379	3.8	20.4
5 31	15 35.58	− 7 20.4	2.400	3.371	5.9	20.5
6 10	15 28.99	− 7 11.0	2.442	3.362	8.6	20.7
6 20	15 23.71	− 7 12.5	2.508	3.353	11.2	20.8

219659 2001 VK_{6} 5 19.1 137°.58 0°.2/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 12.32	−21 19.1	1.981	2.792	14.4	21.4
4 21	16 7.60	−20 56.2	1.902	2.800	11.2	21.2
5 1	16 0.58	−20 25.6	1.846	2.808	7.5	21.0
5 11	15 51.95	−19 48.6	1.815	2.816	3.4	20.8
5 21	15 42.62	−19 7.6	1.811	2.823	0.9	20.6
5 31	15 33.60	−18 26.3	1.836	2.830	5.0	20.9
6 10	15 25.85	−17 48.8	1.887	2.836	8.9	21.1
6 20	15 20.01	−17 18.6	1.962	2.842	12.3	21.4

256769 2008 BM_{48} 5 19.1 109°.57 1°.2/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 13.90	−18 10.6	1.714	2.535	15.8	22.1
4 21	16 9.08	−17 53.6	1.644	2.548	12.3	21.8
5 1	16 1.68	−17 31.3	1.595	2.560	8.2	21.6
5 11	15 52.48	−17 5.3	1.571	2.573	3.8	21.4
5 21	15 42.50	−16 38.4	1.574	2.584	1.6	21.3
5 31	15 32.92	−16 13.8	1.604	2.596	5.8	21.6
6 10	15 24.80	−15 55.3	1.659	2.607	10.0	21.8
6 20	15 18.86	−15 45.3	1.737	2.618	13.7	22.1

479668 2014 DA_{77} 5 19.1 88°.87 1°.7/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 9.54	−15 24.9	2.212	3.029	12.9	21.4
4 21	16 5.19	−15 13.8	2.132	3.034	10.0	21.2
5 1	15 58.87	−15 0.6	2.075	3.039	6.7	21.0
5 11	15 51.16	−14 46.8	2.044	3.044	3.3	20.8
5 21	15 42.80	−14 34.5	2.041	3.049	2.0	20.7
5 31	15 34.66	−14 25.7	2.066	3.054	5.1	20.9
6 10	15 27.55	−14 22.5	2.117	3.059	8.5	21.1
6 20	15 22.05	−14 26.4	2.192	3.064	11.6	21.3

462565 2009 DC_{56} 5 19.1 95°.98 1°.1/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 16.95	−23 2.7	1.553	2.369	17.5	21.8
4 21	16 11.74	−23 5.9	1.490	2.388	13.7	21.6
5 1	16 3.58	−22 59.9	1.446	2.408	9.3	21.4
5 11	15 53.37	−22 44.5	1.427	2.426	4.5	21.2
5 21	15 42.32	−22 21.3	1.433	2.445	1.3	21.0
5 31	15 31.80	−21 53.6	1.467	2.463	5.7	21.3
6 10	15 23.04	−21 26.3	1.525	2.480	10.2	21.6
6 20	15 16.81	−21 3.9	1.606	2.497	14.0	21.9

519264 2011 AH_{82} 5 19.1 16°.21 1°.4/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 9.27	−16 2.0	1.287	2.137	18.4	20.1
4 21	16 6.33	−16 13.3	1.223	2.143	14.4	19.9
5 1	16 0.29	−16 22.6	1.179	2.150	9.6	19.7
5 11	15 51.99	−16 31.2	1.156	2.159	4.5	19.4
5 21	15 42.62	−16 40.7	1.157	2.168	1.9	19.2
5 31	15 33.65	−16 53.1	1.183	2.179	6.8	19.6
6 10	15 26.38	−17 10.6	1.231	2.191	11.6	19.9
6 20	15 21.71	−17 34.6	1.300	2.203	15.8	20.1

173164 1996 XZ_{18} 5 19.1 209°.99 0°.3/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 15.26	−21 22.3	2.068	2.871	14.1	21.2
4 21	16 10.02	−21 18.7	1.971	2.864	11.2	21.0
5 1	16 2.35	−21 8.4	1.897	2.856	7.6	20.7
5 11	15 52.86	−20 51.7	1.848	2.848	3.5	20.4
5 21	15 42.42	−20 29.6	1.827	2.839	0.8	20.2
5 31	15 32.09	−20 4.7	1.834	2.828	5.0	20.5
6 10	15 22.92	−19 40.7	1.869	2.818	9.1	20.7
6 20	15 15.69	−19 20.9	1.928	2.806	12.6	20.9

141266 2001 YZ_{31} 5 19.1 266°.03 1°.2/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 10.66	−16 6.4	2.308	3.120	12.6	20.2
4 21	16 6.17	−16 9.8	2.209	3.108	9.8	20.0
5 1	15 59.64	−16 11.5	2.133	3.096	6.6	19.8
5 11	15 51.58	−16 12.3	2.083	3.084	3.1	19.6
5 21	15 42.71	−16 13.3	2.061	3.071	1.5	19.4
5 31	15 33.89	−16 16.2	2.068	3.059	4.9	19.6
6 10	15 25.97	−16 22.7	2.102	3.046	8.4	19.8
6 20	15 19.64	−16 34.2	2.160	3.034	11.6	20.0

475145 2005 UP_{354} 5 19.1 223°.00 0°.8/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 9.67	−26 28.5	3.085	3.865	10.4	21.4
4 21	16 4.82	−25 45.6	2.976	3.855	8.3	21.3
5 1	15 58.40	−24 53.0	2.892	3.844	5.7	21.1
5 11	15 50.90	−23 51.6	2.835	3.832	2.8	20.9
5 21	15 42.89	−22 43.5	2.809	3.820	0.9	20.7
5 31	15 35.05	−21 31.8	2.814	3.808	3.5	20.9
6 10	15 28.00	−20 20.6	2.848	3.795	6.4	21.1
6 20	15 22.23	−19 13.4	2.910	3.782	9.0	21.2

483431 2001 BC_{65} 5 19.1 72°.65 18°.9/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 19.20	+14 5.2	0.997	1.811	25.1	20.8
4 21	16 13.88	+16 8.6	0.980	1.839	22.4	20.8
5 1	16 4.99	+17 37.2	0.977	1.867	20.2	20.7
5 11	15 53.90	+18 18.8	0.992	1.895	19.0	20.7
5 21	15 42.27	+18 8.0	1.023	1.922	19.1	20.8
5 31	15 31.79	+17 6.7	1.072	1.950	20.3	21.0
6 10	15 23.78	+15 23.8	1.138	1.976	22.0	21.2
6 20	15 18.86	+13 11.2	1.218	2.003	23.9	21.5

108320 2001 JW_{7} 5 19.1 283°.97 2°.3/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 10.23	−17 3.9	1.582	2.416	16.3	20.3
4 21	16 6.67	−16 24.8	1.497	2.409	12.8	20.0
5 1	16 0.36	−15 38.8	1.433	2.401	8.6	19.8
5 11	15 52.01	−14 49.0	1.392	2.393	4.2	19.5
5 21	15 42.62	−13 59.6	1.378	2.386	2.8	19.4
5 31	15 33.44	−13 15.9	1.389	2.378	6.9	19.6
6 10	15 25.65	−12 42.7	1.424	2.371	11.4	19.8
6 20	15 20.10	−12 23.2	1.481	2.364	15.5	20.1

204689 2006 DO_{206} 5 19.1 176°.18 1°.9/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 9.94	−16 47.4	2.009	2.830	13.9	20.3
4 21	16 5.73	−16 12.0	1.926	2.831	10.8	20.1
5 1	15 59.35	−15 31.7	1.866	2.831	7.2	19.8
5 11	15 51.42	−14 49.0	1.831	2.832	3.5	19.6
5 21	15 42.78	−14 7.0	1.824	2.832	2.3	19.5
5 31	15 34.37	−13 29.7	1.844	2.832	5.7	19.7
6 10	15 27.09	−13 0.4	1.890	2.832	9.4	20.0
6 20	15 21.61	−12 41.6	1.960	2.831	12.7	20.2

215467 2002 QK_{100} 5 19.1 309°.45 2°.3/18.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 10.18	−15 18.9	1.349	2.195	18.0	21.0
4 21	16 7.50	−15 16.0	1.249	2.167	14.3	20.7
5 1	16 1.54	−15 10.7	1.167	2.138	9.8	20.3
5 11	15 52.83	−15 5.3	1.108	2.110	4.8	20.0
5 21	15 42.39	−15 2.1	1.072	2.082	2.7	19.7
5 31	15 31.68	−15 4.2	1.060	2.054	7.8	19.9
6 10	15 22.34	−15 15.1	1.071	2.027	13.3	20.2
6 20	15 15.62	−15 37.1	1.102	2.001	18.3	20.4

34869 2001 TD_{170} 5 19.1 265°.88 6°.0/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 17.46	−32 7.2	1.624	2.415	17.9	18.3
4 21	16 13.17	−32 57.4	1.520	2.395	14.9	18.0
5 1	16 5.36	−33 35.6	1.436	2.374	11.4	17.8
5 11	15 54.59	−33 56.7	1.373	2.352	7.9	17.5
5 21	15 41.99	−33 56.6	1.335	2.331	6.0	17.3
5 31	15 29.18	−33 35.2	1.323	2.308	7.9	17.4
6 10	15 17.89	−32 57.0	1.335	2.285	11.7	17.5
6 20	15 9.44	−32 10.0	1.369	2.262	15.8	17.7

356930 2012 SG_{13} 5 19.1 231°.08 1°.9/18.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 9.80	−15 58.5	2.184	3.001	13.0	21.6
4 21	16 5.53	−15 30.0	2.092	2.994	10.2	21.4
5 1	15 59.20	−14 57.6	2.023	2.986	6.8	21.2
5 11	15 51.37	−14 23.6	1.979	2.979	3.4	21.0
5 21	15 42.81	−13 50.4	1.964	2.971	2.3	20.9
5 31	15 34.38	−13 21.5	1.976	2.963	5.5	21.1
6 10	15 26.96	−12 59.8	2.015	2.955	9.0	21.3
6 20	15 21.19	−12 47.3	2.078	2.947	12.2	21.5

482098 2010 MV_{1} 5 19.2 255°.70 1°.0/20.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 9.79	−27 6.4	2.803	3.586	11.3	21.4
4 21	16 5.16	−26 22.1	2.688	3.568	9.0	21.2
5 1	15 58.78	−25 26.4	2.597	3.549	6.2	21.0
5 11	15 51.13	−24 20.2	2.533	3.530	3.2	20.8
5 21	15 42.88	−23 5.7	2.499	3.510	1.0	20.6
5 31	15 34.75	−21 46.5	2.496	3.490	3.8	20.8
6 10	15 27.48	−20 27.2	2.522	3.470	7.0	20.9
6 20	15 21.62	−19 12.3	2.574	3.449	9.9	21.1

431979 2008 UB_{174} 5 19.2 228°.28 2°.4/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 11.64	−27 36.9	2.004	2.803	14.7	21.3
4 21	16 7.36	−27 38.9	1.914	2.800	11.8	21.1
5 1	16 0.62	−27 29.8	1.844	2.796	8.3	20.8
5 11	15 52.08	−27 8.8	1.800	2.793	4.7	20.6
5 21	15 42.65	−26 36.6	1.782	2.789	2.5	20.5
5 31	15 33.41	−25 56.1	1.791	2.786	5.1	20.6
6 10	15 25.42	−25 11.8	1.827	2.782	8.8	20.8
6 20	15 19.43	−24 28.8	1.887	2.778	12.2	21.0

381529 2008 SP_{250} 5 19.2 150°.32 0°.4/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 13.25	−20 48.4	2.295	3.097	13.0	21.2
4 21	16 8.09	−20 57.7	2.211	3.103	10.1	21.0
5 1	16 0.85	−21 2.1	2.150	3.110	6.8	20.8
5 11	15 52.12	−21 1.7	2.116	3.116	3.2	20.6
5 21	15 42.67	−20 57.1	2.109	3.121	0.7	20.4
5 31	15 33.43	−20 50.1	2.132	3.126	4.4	20.7
6 10	15 25.26	−20 43.0	2.182	3.131	7.9	20.9
6 20	15 18.79	−20 38.3	2.257	3.135	11.0	21.1

16529 Dangoldin 5 19.2 131°.47 7°.9/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 14.09	− 1 21.0	2.063	2.868	14.1	18.3
4 21	16 8.52	+ 0 27.1	2.008	2.888	11.6	18.1
5 1	16 0.95	+ 2 9.7	1.976	2.907	9.3	18.0
5 11	15 52.07	+ 3 39.6	1.971	2.924	8.0	18.0
5 21	15 42.71	+ 4 51.1	1.993	2.941	8.4	18.0
5 31	15 33.76	+ 5 39.8	2.042	2.957	10.2	18.2
6 10	15 26.02	+ 6 4.7	2.115	2.972	12.5	18.3
6 20	15 20.05	+ 6 7.1	2.209	2.986	14.7	18.5

160723 2000 QL_{171} 5 19.2 221°.80 3°.3/17.3 16

4 11	16 13.49	−13 54.6	1.922	2.740	14.5	20.9
4 21	16 8.71	−13 6.9	1.828	2.730	11.4	20.7
5 1	16 1.51	−12 14.8	1.756	2.719	7.8	20.5
5 11	15 52.51	−11 21.9	1.711	2.707	4.3	20.2
5 21	15 42.59	−10 32.2	1.692	2.695	3.7	20.1
5 31	15 32.80	− 9 50.3	1.701	2.681	7.0	20.3
6 10	15 24.17	− 9 20.1	1.736	2.667	10.8	20.5
6 20	15 17.48	− 9 4.0	1.794	2.652	14.3	20.7

408876 2001 TZ_{135} 5 19.2 94°.11 1°.4/20.1 18

4 11	16 17.19	−26 22.2	2.203	2.988	14.0	21.3
4 21	16 10.88	−26 2.4	2.144	3.024	10.9	21.1
5 1	16 2.47	−25 32.2	2.108	3.059	7.5	21.0
5 11	15 52.74	−24 52.3	2.098	3.093	3.8	20.8
5 21	15 42.59	−24 4.8	2.116	3.127	1.4	20.7
5 31	15 33.01	−23 13.5	2.165	3.159	4.4	21.0
6 10	15 24.81	−22 22.8	2.241	3.190	7.7	21.2
6 20	15 18.54	−21 36.8	2.343	3.221	10.7	21.5

425870 2011 FE_{11} 5 19.2 89°.92 1°.7/20.0 17

4 11	16 12.79	−25 12.2	1.819	2.627	15.6	21.8
4 21	16 8.29	−25 13.9	1.744	2.638	12.3	21.7
5 1	16 1.22	−25 5.5	1.690	2.648	8.5	21.4
5 11	15 52.34	−24 46.9	1.661	2.658	4.4	21.2
5 21	15 42.65	−24 19.3	1.658	2.669	1.8	21.0
5 31	15 33.31	−23 45.8	1.683	2.679	5.1	21.3
6 10	15 25.38	−23 10.9	1.733	2.689	9.1	21.6
6 20	15 19.61	−22 39.2	1.807	2.698	12.7	21.8

270475 2002 DD_{17} 5 19.2 39°.57 4°.5/17.9 17

4 11	16 13.09	− 8 22.0	1.528	2.361	16.9	19.6
4 21	16 8.67	− 8 21.8	1.464	2.372	13.3	19.4
5 1	16 1.54	− 8 26.8	1.422	2.384	9.3	19.2
5 11	15 52.50	− 8 39.6	1.402	2.396	5.6	19.0
5 21	15 42.62	− 9 2.3	1.408	2.409	4.7	19.0
5 31	15 33.13	− 9 35.7	1.440	2.422	7.8	19.2
6 10	15 25.17	−10 19.8	1.497	2.436	11.6	19.4
6 20	15 19.48	−11 13.2	1.575	2.450	15.1	19.7

285346 1999 RA_{65} 5 19.2 208°.55 2°.8/17.6 17

4 11	16 13.53	−14 1.0	2.143	2.954	13.4	21.8
4 21	16 8.46	−13 23.9	2.049	2.947	10.5	21.6
5 1	16 1.19	−12 43.6	1.978	2.940	7.2	21.3
5 11	15 52.32	−12 2.8	1.934	2.931	3.9	21.1
5 21	15 42.65	−11 24.7	1.917	2.921	3.1	21.1
5 31	15 33.12	−10 52.8	1.930	2.911	6.2	21.2
6 10	15 24.65	−10 30.3	1.969	2.900	9.7	21.4
6 20	15 17.93	−10 19.1	2.032	2.888	13.0	21.6

344514 2002 RQ_{224} 5 19.2 203°.73 1°.7/18.0 18

4 11	16 10.51	−14 39.9	2.890	3.691	10.6	22.2
4 21	16 5.54	−14 24.1	2.792	3.686	8.2	22.0
5 1	15 58.95	−14 6.4	2.719	3.679	5.5	21.8
5 11	15 51.22	−13 48.4	2.674	3.672	2.8	21.7
5 21	15 42.91	−13 31.7	2.658	3.664	1.9	21.6
5 31	15 34.70	−13 18.2	2.671	3.656	4.4	21.7
6 10	15 27.24	−13 9.6	2.713	3.647	7.3	21.9
6 20	15 21.05	−13 7.4	2.781	3.637	9.9	22.1

492179 2013 QN_{15} 5 19.2 164°.31 10°.1/20.5 18

4 11	16 32.36	−33 12.0	1.273	2.056	22.3	22.0
4 21	16 26.26	−35 35.0	1.197	2.061	18.8	21.7
5 1	16 15.08	−37 49.8	1.140	2.065	15.0	21.5
5 11	15 59.43	−39 43.6	1.105	2.068	11.5	21.3
5 21	15 40.94	−41 3.6	1.094	2.071	10.1	21.2
5 31	15 22.25	−41 44.0	1.108	2.073	11.8	21.3
6 10	15 6.10	−41 49.4	1.145	2.074	15.3	21.5
6 20	14 54.37	−41 31.5	1.202	2.075	19.0	21.8

237016 2008 SX_{5} 5 19.2 222°.18 2°.3/20.2 18

4 11	16 14.59	−25 28.4	2.219	3.011	13.7	20.6
4 21	16 9.51	−25 56.3	2.121	3.003	10.9	20.4
5 1	16 2.05	−26 17.3	2.045	2.996	7.7	20.2
5 11	15 52.78	−26 29.8	1.994	2.988	4.3	20.0
5 21	15 42.54	−26 33.4	1.972	2.980	2.3	19.8
5 31	15 32.34	−26 28.8	1.978	2.971	4.9	20.0
6 10	15 23.22	−26 18.9	2.011	2.962	8.4	20.2
6 20	15 15.96	−26 7.2	2.069	2.952	11.7	20.3

111104 2001 VE_{75} 5 19.2 113°.87 2°.8/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 11.96	−19 28.7	1.799	2.620	15.2	19.7
4 21	16 7.39	−17 40.9	1.722	2.627	11.8	19.5
5 1	16 0.46	−15 40.9	1.667	2.633	7.9	19.3
5 11	15 51.93	−13 34.3	1.640	2.640	4.0	19.0
5 21	15 42.77	−11 28.9	1.641	2.646	3.4	19.0
5 31	15 34.05	− 9 33.4	1.671	2.652	7.0	19.3
6 10	15 26.71	− 7 54.8	1.728	2.658	10.9	19.5
6 20	15 21.39	− 6 37.4	1.808	2.664	14.4	19.7

363372 2002 TN_{179} 5 19.2 260°.62 4°.0/21.3 18

4 11	16 14.15	−31 34.2	1.875	2.662	15.9	20.9
4 21	16 9.83	−31 36.5	1.768	2.643	13.1	20.6
5 1	16 2.62	−31 23.6	1.681	2.624	9.7	20.4
5 11	15 53.16	−30 53.3	1.618	2.604	6.1	20.1
5 21	15 42.45	−30 5.2	1.581	2.584	4.0	19.9
5 31	15 31.79	−29 2.1	1.571	2.563	6.0	20.0
6 10	15 22.48	−27 50.1	1.587	2.541	9.9	20.2
6 20	15 15.49	−26 36.9	1.627	2.520	13.8	20.4

211398 2002 VN_{15} 5 19.2 141°.25 2°.4/17.3 18

4 11	16 9.22	−12 44.1	2.995	3.798	10.2	21.6
4 21	16 4.31	−12 8.1	2.918	3.812	7.9	21.5
5 1	15 57.98	−11 30.9	2.867	3.826	5.4	21.3
5 11	15 50.71	−10 54.8	2.844	3.839	3.0	21.2
5 21	15 43.05	−10 22.0	2.850	3.851	2.6	21.2
5 31	15 35.61	− 9 54.8	2.886	3.863	4.7	21.3
6 10	15 28.94	− 9 35.0	2.950	3.874	7.2	21.5
6 20	15 23.49	− 9 23.6	3.039	3.884	9.4	21.7

38821 Linchinghsia 5 19.2 237°.98 1°.5/18.4 18

4 11	16 13.36	−18 20.4	1.741	2.563	15.6	19.2
4 21	16 8.98	−17 51.5	1.647	2.551	12.3	19.0
5 1	16 1.91	−17 15.6	1.574	2.539	8.3	18.7
5 11	15 52.78	−16 34.5	1.525	2.526	3.9	18.4
5 21	15 42.57	−15 51.4	1.503	2.513	2.0	18.2
5 31	15 32.46	−15 10.6	1.508	2.499	6.3	18.5
6 10	15 23.66	−14 36.9	1.539	2.485	10.8	18.7
6 20	15 17.01	−14 13.9	1.592	2.471	14.8	18.9

468761 2011 HP_{95} 5 19.2 338°.23 1°.8/18.3 16

4 11	16 6.93	−18 23.5	1.503	2.346	16.6	21.2
4 21	16 4.27	−17 49.1	1.421	2.337	13.0	21.0
5 1	15 58.86	−17 6.6	1.358	2.328	8.8	20.7
5 11	15 51.40	−16 19.0	1.318	2.321	4.1	20.4
5 21	15 42.89	−15 30.4	1.304	2.314	2.2	20.3
5 31	15 34.58	−14 46.0	1.314	2.307	6.7	20.5
6 10	15 27.68	−14 11.1	1.348	2.302	11.4	20.8
6 20	15 23.03	−13 49.2	1.403	2.297	15.5	21.0

133328 2003 SN_{93} 5 19.2 156°.96 0°.6/19.5 18

4 11	16 11.17	−22 41.1	2.148	2.954	13.6	20.4
4 21	16 6.66	−22 33.3	2.063	2.957	10.7	20.2
5 1	15 59.99	−22 18.1	2.000	2.960	7.2	20.0
5 11	15 51.77	−21 55.9	1.963	2.963	3.4	19.8
5 21	15 42.82	−21 28.3	1.953	2.965	0.8	19.6
5 31	15 34.09	−20 58.0	1.972	2.967	4.6	19.8
6 10	15 26.48	−20 28.5	2.017	2.969	8.3	20.1
6 20	15 20.66	−20 3.2	2.087	2.971	11.6	20.3

414970 2011 CN_{69} 5 19.2 78°.09 0°.8/19.6 17

4 11	16 13.17	−23 29.3	1.712	2.527	16.1	21.4
4 21	16 8.57	−23 18.4	1.646	2.545	12.6	21.2
5 1	16 1.38	−22 57.8	1.601	2.562	8.5	21.0
5 11	15 52.40	−22 28.3	1.580	2.580	4.1	20.7
5 21	15 42.69	−21 52.1	1.586	2.598	1.1	20.5
5 31	15 33.45	−21 13.0	1.619	2.615	5.3	20.9
6 10	15 25.74	−20 35.8	1.677	2.632	9.4	21.1
6 20	15 20.23	−20 4.7	1.759	2.649	13.0	21.4

154533 2003 FC_{121} 5 19.2 357°.50 8°.4/14.5 18

4 11	16 5.93	− 5 31.2	1.410	2.260	17.1	19.2
4 21	16 3.36	− 3 56.0	1.345	2.258	13.9	19.0
5 1	15 58.14	− 2 23.0	1.299	2.256	10.6	18.8
5 11	15 51.01	− 1 0.8	1.277	2.254	8.5	18.7
5 21	15 42.99	+ 0 2.4	1.277	2.254	9.0	18.7
5 31	15 35.29	+ 0 40.4	1.301	2.254	11.6	18.8
6 10	15 29.02	+ 0 50.8	1.346	2.255	14.9	19.0
6 20	15 24.92	+ 0 34.9	1.410	2.257	18.1	19.3

355098 2006 TB_{51} 5 19.2 161°.30 0°.5/19.5 18

4 11	16 10.35	−21 54.7	2.870	3.663	10.8	22.5
4 21	16 5.45	−21 55.8	2.781	3.668	8.5	22.3
5 1	15 58.90	−21 51.9	2.716	3.673	5.7	22.2
5 11	15 51.20	−21 43.3	2.679	3.678	2.7	22.0
5 21	15 42.96	−21 30.8	2.671	3.682	0.7	21.8
5 31	15 34.88	−21 16.1	2.692	3.686	3.6	22.0
6 10	15 27.61	−21 1.2	2.742	3.689	6.6	22.2
6 20	15 21.69	−20 48.4	2.817	3.692	9.2	22.4

469917 2005 YJ_{132} 5 19.2 211.°04 3.°5/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 11.63	−10 55.8	2.252	3.065	12.8	21.9
4 21	16 6.85	−10 24.9	2.161	3.058	10.1	21.8
5 1	16 0.06	− 9 53.6	2.093	3.052	7.0	21.5
5 11	15 51.80	− 9 24.9	2.051	3.044	4.2	21.4
5 21	15 42.82	− 9 1.6	2.038	3.037	3.8	21.3
5 31	15 33.98	− 8 46.5	2.052	3.028	6.3	21.5
6 10	15 26.10	− 8 41.7	2.094	3.019	9.5	21.6
6 20	15 19.83	− 8 48.1	2.159	3.010	12.5	21.8

499484 2010 JP_{125} 5 19.2 279.°38 4.°7/16.8 17

4 11	16 11.96	−11 56.5	1.612	2.445	16.2	22.2
4 21	16 8.23	−11 4.1	1.508	2.417	12.9	21.9
5 1	16 1.66	−10 7.2	1.424	2.388	9.1	21.6
5 11	15 52.80	− 9 10.4	1.364	2.359	5.6	21.3
5 21	15 42.56	− 8 19.1	1.330	2.329	5.2	21.2
5 31	15 32.21	− 7 39.3	1.321	2.299	8.8	21.3
6 10	15 23.04	− 7 15.8	1.337	2.269	13.3	21.5
6 20	15 16.08	− 7 11.1	1.372	2.238	17.5	21.7

467084 2016 DZ_{29} 5 19.2 209.°99 4.°3/17.5 17

4 11	16 15.04	−10 6.6	1.696	2.519	15.9	21.7
4 21	16 10.18	− 9 43.6	1.612	2.515	12.6	21.5
5 1	16 2.64	− 9 22.0	1.550	2.511	8.8	21.2
5 11	15 53.10	− 9 5.0	1.511	2.505	5.3	21.0
5 21	15 42.53	− 8 56.0	1.499	2.500	4.6	21.0
5 31	15 32.13	− 8 57.8	1.514	2.493	7.8	21.1
6 10	15 23.08	− 9 12.2	1.554	2.487	11.7	21.3
6 20	15 16.19	− 9 39.5	1.616	2.479	15.4	21.6

394697 2008 CP_{199} 5 19.2 318.°53 0.°9/19.7 16

4 11	16 8.11	−23 18.4	2.118	2.930	13.5	21.2
4 21	16 4.47	−23 16.3	2.023	2.920	10.7	21.0
5 1	15 58.65	−23 6.5	1.950	2.911	7.3	20.8
5 11	15 51.22	−22 49.4	1.902	2.901	3.6	20.6
5 21	15 42.95	−22 26.0	1.881	2.892	1.1	20.3
5 31	15 34.80	−21 58.9	1.888	2.884	4.7	20.6
6 10	15 27.69	−21 31.5	1.920	2.875	8.4	20.8
6 20	15 22.32	−21 7.4	1.977	2.867	11.8	21.0

277412 2005 UB_{230} 5 19.2 328.°83 1.°5/19.5 17

4 11	16 12.78	−19 52.8	1.741	2.561	15.7	20.0
4 21	16 8.91	−20 51.7	1.638	2.539	12.5	19.7
5 1	16 2.16	−21 50.9	1.556	2.518	8.6	19.5
5 11	15 53.07	−22 48.5	1.498	2.498	4.3	19.2
5 21	15 42.50	−23 42.0	1.467	2.478	1.7	18.9
5 31	15 31.70	−24 30.2	1.463	2.459	5.8	19.1
6 10	15 22.03	−25 13.3	1.485	2.441	10.3	19.4
6 20	15 14.56	−25 53.1	1.530	2.424	14.4	19.6

87122 2000 LB_{36} 5 19.2 261.°64 6.°4/15.6 18

4 11	16 11.55	− 4 42.5	2.002	2.819	14.0	19.7
4 21	16 7.17	− 3 49.9	1.904	2.797	11.4	19.4
5 1	16 0.51	− 3 0.0	1.827	2.775	8.7	19.2
5 11	15 52.11	− 2 17.8	1.776	2.753	6.6	19.0
5 21	15 42.75	− 1 47.9	1.750	2.729	6.8	19.0
5 31	15 33.40	− 1 34.4	1.752	2.706	9.1	19.1
6 10	15 25.03	− 1 39.3	1.778	2.681	12.2	19.2
6 20	15 18.41	− 2 2.6	1.826	2.657	15.3	19.4

1616 Filipoff 5 19.2 176.°95 0.°8/19.6 18

4 11	16 11.77	−21 47.1	2.160	2.966	13.5	16.0
4 21	16 7.19	−22 1.5	2.072	2.966	10.6	15.8
5 1	16 0.41	−22 10.4	2.007	2.967	7.2	15.6
5 11	15 52.00	−22 13.7	1.968	2.967	3.5	15.4
5 21	15 42.79	−22 11.9	1.956	2.967	1.0	15.2
5 31	15 33.73	−22 6.4	1.972	2.967	4.6	15.4
6 10	15 25.75	−21 59.8	2.015	2.967	8.3	15.7
6 20	15 19.56	−21 55.0	2.082	2.967	11.6	15.9

165241 2000 SO_{133} 5 19.2 303.°29 0.°8/19.6 18

4 11	16 9.02	−25 1.1	1.327	2.164	18.7	18.9
4 21	16 6.66	−24 30.8	1.231	2.143	15.0	18.6
5 1	16 0.95	−23 43.4	1.155	2.121	10.4	18.3
5 11	15 52.56	−22 39.1	1.099	2.100	5.1	17.9
5 21	15 42.64	−21 21.1	1.068	2.080	1.2	17.6
5 31	15 32.76	−19 56.3	1.061	2.059	6.9	17.9
6 10	15 24.50	−18 34.2	1.077	2.039	12.5	18.2
6 20	15 19.02	−17 23.4	1.113	2.020	17.6	18.4

4401 Aditi 5 19.2 108.°66 6.°7/23.6 18 R

4 11	16 28.25	−42 34.1	2.775	3.463	13.5	21.7
4 21	16 19.76	−43 35.3	2.708	3.498	11.6	21.6
5 1	16 8.67	−44 21.2	2.663	3.532	9.5	21.5
5 11	15 55.73	−44 47.4	2.644	3.565	7.7	21.4
5 21	15 41.99	−44 51.8	2.652	3.596	6.8	21.4
5 31	15 28.67	−44 35.0	2.689	3.627	7.1	21.5
6 10	15 16.86	−44 1.2	2.754	3.656	8.4	21.6
6 20	15 7.32	−43 16.2	2.845	3.684	10.1	21.8

389294 2009 KO_{12} 5 19.2 14.°50 1.°5/18.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 7.14	−17 17.5	1.723	2.558	15.2	20.8
4 21	16 3.94	−17 0.4	1.651	2.562	11.8	20.5
5 1	15 58.36	−16 38.9	1.599	2.568	7.9	20.3
5 11	15 51.08	−16 15.0	1.572	2.574	3.7	20.1
5 21	15 43.03	−15 51.5	1.570	2.580	1.9	20.0
5 31	15 35.26	−15 31.6	1.595	2.588	5.8	20.2
6 10	15 28.77	−15 18.6	1.644	2.596	9.8	20.5
6 20	15 24.24	−15 14.5	1.716	2.605	13.4	20.7

6987 Onioshidashi 5 19.2 5.°04 0.°8/19.6 18

4 11	16 9.72	−23 29.9	1.846	2.663	15.1	17.9
4 21	16 5.95	−23 17.7	1.763	2.663	11.9	17.7
5 1	15 59.72	−22 56.2	1.701	2.663	8.1	17.4
5 11	15 51.73	−22 25.8	1.663	2.663	3.9	17.2
5 21	15 42.88	−21 48.7	1.652	2.664	1.0	17.0
5 31	15 34.29	−21 8.4	1.668	2.664	5.1	17.3
6 10	15 26.97	−20 29.4	1.710	2.665	9.2	17.5
6 20	15 21.67	−19 55.9	1.774	2.666	12.8	17.7

294331 2007 VG_{66} 5 19.2 78.°89 2.°0/18.1 17

4 11	16 9.51	−15 36.0	2.094	2.914	13.4	20.7
4 21	16 5.25	−15 11.4	2.021	2.925	10.4	20.5
5 1	15 58.96	−14 43.8	1.971	2.935	6.9	20.3
5 11	15 51.28	−14 15.5	1.946	2.946	3.4	20.1
5 21	15 43.00	−13 49.1	1.949	2.957	2.3	20.1
5 31	15 35.00	−13 27.5	1.980	2.968	5.4	20.3
6 10	15 28.10	−13 13.2	2.037	2.978	8.8	20.5
6 20	15 22.90	−13 7.8	2.117	2.989	11.9	20.7

425613 2010 VO_{22} 5 19.2 198.°49 0.°1/19.2 17

4 11	16 13.87	−22 3.7	2.125	2.928	13.8	22.5
4 21	16 8.83	−21 40.9	2.031	2.924	10.9	22.3
5 1	16 1.50	−21 9.6	1.960	2.920	7.3	22.0
5 11	15 52.51	−20 31.0	1.915	2.915	3.4	21.8
5 21	15 42.71	−19 47.0	1.898	2.910	0.8	21.5
5 31	15 33.10	−19 1.4	1.910	2.903	4.9	21.8
6 10	15 24.64	−18 18.2	1.949	2.896	8.8	22.1
6 20	15 18.04	−17 41.5	2.012	2.889	12.2	22.3

264980 2003 BY_{77} 5 19.2 147.°13 2.°3/20.4 18

4 11	16 15.84	−27 9.1	2.223	3.008	13.8	21.7
4 21	16 10.26	−27 19.6	2.141	3.019	11.0	21.5
5 1	16 2.39	−27 20.6	2.081	3.029	7.8	21.4
5 11	15 52.89	−27 11.1	2.047	3.039	4.4	21.2
5 21	15 42.64	−26 51.6	2.040	3.048	2.3	21.0
5 31	15 32.68	−26 24.1	2.063	3.056	4.7	21.2
6 10	15 23.94	−25 52.5	2.113	3.063	8.1	21.4
6 20	15 17.13	−25 20.9	2.189	3.070	11.2	21.6

216011 2005 US_{66} 5 19.2 253.°08 3.°6/16.7 18

4 11	16 8.38	− 8 51.7	2.697	3.507	11.0	20.8
4 21	16 4.07	− 8 20.1	2.595	3.490	8.7	20.6
5 1	15 58.10	− 7 49.2	2.517	3.472	6.2	20.4
5 11	15 50.91	− 7 21.6	2.466	3.454	4.1	20.2
5 21	15 43.08	− 7 0.1	2.443	3.436	3.9	20.2
5 31	15 35.30	− 6 46.8	2.449	3.417	5.9	20.3
6 10	15 28.25	− 6 43.7	2.482	3.398	8.6	20.4
6 20	15 22.47	− 6 51.3	2.538	3.379	11.2	20.6

288722 2004 RC_{38} 5 19.2 314.°65 7.°9/21.4 17

4 11	16 13.72	−34 11.9	1.548	2.342	18.5	20.9
4 21	16 10.56	−35 31.7	1.450	2.322	15.6	20.7
5 1	16 3.82	−36 40.1	1.372	2.303	12.4	20.4
5 11	15 54.04	−37 30.9	1.314	2.283	9.4	20.2
5 21	15 42.32	−37 58.3	1.280	2.265	7.9	20.1
5 31	15 30.34	−38 0.3	1.270	2.246	9.3	20.1
6 10	15 19.91	−37 40.5	1.283	2.229	12.5	20.2
6 20	15 12.43	−37 6.2	1.316	2.212	16.2	20.4

380194 2000 WJ_{172} 5 19.2 196.°96 4.°7/16.1 18

4 11	16 11.38	− 5 27.8	2.636	3.439	11.4	22.2
4 21	16 6.29	− 4 47.9	2.548	3.435	9.2	22.0
5 1	15 59.51	− 4 10.8	2.484	3.430	6.8	21.9
5 11	15 51.53	− 3 39.6	2.447	3.425	5.0	21.7
5 21	15 42.97	− 3 17.2	2.439	3.419	5.0	21.7
5 31	15 34.54	− 3 6.2	2.459	3.413	6.8	21.8
6 10	15 26.94	− 3 7.6	2.505	3.405	9.2	22.0
6 20	15 20.70	− 3 21.6	2.576	3.397	11.6	22.1

499753 2011 BP_{100} 5 19.2 112.°60 0.°2/19.3 17

4 11	16 14.07	−22 16.9	2.039	2.843	14.3	22.3
4 21	16 8.82	−21 56.1	1.968	2.862	11.1	22.1
5 1	16 1.35	−21 27.3	1.921	2.881	7.5	22.0
5 11	15 52.37	−20 51.7	1.899	2.899	3.4	21.7
5 21	15 42.80	−20 11.5	1.905	2.917	0.7	21.6
5 31	15 33.63	−19 30.3	1.940	2.934	4.8	21.9
6 10	15 25.77	−18 52.1	2.001	2.951	8.5	22.1
6 20	15 19.83	−18 20.3	2.087	2.967	11.8	22.4

413384 2004 PN_{41} 5 19.2 308.°14 0.°6/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 8.76	−20 17.4	1.205	2.056	19.3	21.1
4 21	16 6.87	−20 5.0	1.107	2.028	15.4	20.8
5 1	16 1.42	−19 42.2	1.027	2.000	10.6	20.4
5 11	15 52.96	−19 10.1	0.969	1.971	5.0	20.0
5 21	15 42.59	−18 31.1	0.932	1.944	1.4	19.7
5 31	15 31.97	−17 50.4	0.919	1.917	7.7	20.0
6 10	15 22.91	−17 15.1	0.926	1.890	13.9	20.2
6 20	15 16.81	−16 51.3	0.953	1.864	19.4	20.4

273742 2007 EY_{116} 5 19.2 268.°67 0.°9/18.8 17

4 11	16 12.31	−17 27.4	1.845	2.665	14.9	20.7
4 21	16 8.02	−17 30.2	1.754	2.657	11.7	20.5
5 1	16 1.21	−17 29.8	1.685	2.649	7.9	20.2
5 11	15 52.49	−17 27.0	1.640	2.641	3.7	19.9
5 21	15 42.75	−17 23.1	1.622	2.633	1.4	19.7
5 31	15 33.12	−17 20.2	1.631	2.625	5.6	20.0
6 10	15 24.68	−17 20.9	1.666	2.616	9.8	20.2
6 20	15 18.25	−17 27.4	1.725	2.608	13.6	20.4

86235 1999 TW_{114} 5 19.2 203.°72 0.°5/18.8 18

4 11	16 8.04	−19 34.3	2.914	3.715	10.5	20.4
4 21	16 3.67	−19 12.2	2.818	3.711	8.2	20.3
5 1	15 57.75	−18 45.3	2.746	3.707	5.5	20.1
5 11	15 50.72	−18 14.8	2.701	3.702	2.5	19.9
5 21	15 43.18	−17 42.5	2.686	3.697	0.9	19.7
5 31	15 35.76	−17 10.6	2.700	3.691	3.8	19.9
6 10	15 29.09	−16 41.8	2.742	3.685	6.8	20.1
6 20	15 23.68	−16 18.1	2.810	3.679	9.4	20.3

182930 2002 FX_{40} 5 19.2 45.°62 0.°1/19.2 17

4 11	16 13.58	−18 2.5	2.209	3.015	13.2	19.8
4 21	16 8.49	−18 38.2	2.127	3.022	10.3	19.6
5 1	16 1.24	−19 12.4	2.068	3.028	7.0	19.4
5 11	15 52.41	−19 44.5	2.035	3.035	3.2	19.2
5 21	15 42.80	−20 14.0	2.031	3.042	0.7	19.0
5 31	15 33.35	−20 41.3	2.055	3.049	4.5	19.3
6 10	15 24.95	−21 7.4	2.107	3.057	8.1	19.5
6 20	15 18.31	−21 33.6	2.184	3.064	11.3	19.7

484400 2007 XT_{10} 5 19.2 229.°94 1.°2/20.5 17

4 11	16 5.35	−27 10.8	4.043	4.818	8.3	22.9
4 21	16 1.24	−26 55.7	3.933	4.806	6.6	22.8
5 1	15 55.96	−26 34.2	3.847	4.794	4.6	22.6
5 11	15 49.87	−26 6.4	3.789	4.782	2.5	22.5
5 21	15 43.38	−25 33.5	3.761	4.769	1.2	22.3
5 31	15 36.98	−24 56.7	3.763	4.757	2.8	22.5
6 10	15 31.12	−24 18.3	3.795	4.743	4.9	22.6
6 20	15 26.18	−23 40.5	3.853	4.730	6.9	22.7

380559 2004 PR_{106} 5 19.2 276.°80 9.°2/13.4 17

4 11	16 8.77	+ 0 38.8	1.803	2.624	15.2	20.9
4 21	16 5.10	+ 2 5.0	1.726	2.613	12.8	20.7
5 1	15 59.14	+ 3 24.7	1.669	2.602	10.5	20.6
5 11	15 51.49	+ 4 30.5	1.637	2.591	9.3	20.5
5 21	15 43.01	+ 5 15.8	1.629	2.579	9.7	20.5
5 31	15 34.68	+ 5 36.2	1.645	2.568	11.7	20.5
6 10	15 27.48	+ 5 30.2	1.683	2.557	14.3	20.7
6 20	15 22.12	+ 4 59.6	1.740	2.545	16.9	20.8

504479 2008 ES_{106} 5 19.2 62.°40 5.°4/21.8 17

4 11	16 15.24	−34 1.9	2.225	2.990	14.4	21.1
4 21	16 10.13	−35 0.7	2.149	3.004	12.0	21.0
5 1	16 2.51	−35 48.0	2.094	3.017	9.2	20.8
5 11	15 53.05	−36 20.5	2.064	3.031	6.7	20.7
5 21	15 42.68	−36 36.0	2.060	3.044	5.4	20.6
5 31	15 32.50	−36 35.1	2.084	3.058	6.4	20.7
6 10	15 23.61	−36 21.1	2.134	3.072	8.7	20.9
6 20	15 16.77	−35 58.6	2.208	3.086	11.2	21.1

305602 2008 YN_{135} 5 19.2 60.°42 2.°1/18.6 18

4 11	16 17.75	−15 5.4	1.240	2.079	19.7	20.5
4 21	16 12.67	−15 6.3	1.194	2.107	15.2	20.3
5 1	16 4.34	−15 5.5	1.167	2.136	10.1	20.1
5 11	15 53.83	−15 4.8	1.163	2.164	4.8	19.9
5 21	15 42.55	−15 6.0	1.183	2.193	2.6	19.8
5 31	15 32.05	−15 11.7	1.229	2.222	7.1	20.2
6 10	15 23.63	−15 24.2	1.298	2.250	11.8	20.5
6 20	15 18.03	−15 44.7	1.388	2.278	15.8	20.9

431964 2008 UM_{116} 5 19.2 308.°05 5.°5/20.6 16

4 11	16 14.49	−29 35.1	1.672	2.473	17.0	21.1
4 21	16 10.74	−30 45.0	1.569	2.452	14.1	20.8
5 1	16 3.72	−31 47.4	1.486	2.430	10.7	20.6
5 11	15 53.95	−32 37.8	1.426	2.409	7.2	20.3
5 21	15 42.42	−33 11.8	1.391	2.388	5.5	20.2
5 31	15 30.61	−33 27.7	1.382	2.368	7.5	20.2
6 10	15 20.11	−33 28.1	1.397	2.347	11.3	20.4
6 20	15 12.19	−33 18.3	1.434	2.328	15.2	20.6

501532 2014 FR_{21} 5 19.2 106.°55 2.°2/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 8.87	−15 38.6	2.351	3.166	12.3	21.5
4 21	16 4.50	−14 53.3	2.277	3.178	9.5	21.3
5 1	15 58.35	−14 4.3	2.228	3.191	6.4	21.1
5 11	15 51.00	−13 14.5	2.205	3.203	3.3	21.0
5 21	15 43.16	−12 27.1	2.210	3.216	2.5	20.9
5 31	15 35.60	−11 45.5	2.244	3.228	5.2	21.1
6 10	15 29.03	−11 12.5	2.305	3.239	8.3	21.3
6 20	15 23.97	−10 50.0	2.390	3.251	11.1	21.5

174460 2002 YQ_9 5 19.2 156.°86 1.°2/18.4 18

4 11	16 9.70	−17 7.5	2.591	3.397	11.5	21.0
4 21	16 5.08	−16 46.6	2.506	3.403	8.9	20.9
5 1	15 58.73	−16 22.1	2.446	3.408	6.0	20.7
5 11	15 51.20	−15 55.7	2.413	3.413	2.8	20.5
5 21	15 43.12	−15 29.3	2.408	3.417	1.5	20.4
5 31	15 35.24	−15 5.2	2.432	3.421	4.4	20.6
6 10	15 28.24	−14 46.0	2.485	3.425	7.5	20.8
6 20	15 22.66	−14 33.3	2.562	3.428	10.3	21.0

73714 1992 SW_{14} 5 19.2 251.°06 14.°3/24.3 18

4 11	16 31.30	−54 58.0	2.066	2.708	18.7	19.2
4 21	16 25.65	−56 52.8	1.965	2.689	17.5	19.0
5 1	16 14.96	−58 29.5	1.881	2.668	16.1	18.9
5 11	15 59.63	−59 37.4	1.814	2.647	15.0	18.7
5 21	15 41.11	−60 6.6	1.768	2.626	14.3	18.6
5 31	15 21.99	−59 52.3	1.743	2.603	14.5	18.6
6 10	15 5.17	−58 57.6	1.739	2.580	15.4	18.6
6 20	14 52.72	−57 32.3	1.754	2.556	16.9	18.7

85833 1998 XD_{68} 5 19.2 273.°86 1.°4/18.7 18

4 11	16 13.46	−14 52.4	2.095	2.907	13.7	18.9
4 21	16 8.72	−15 6.5	1.991	2.890	10.8	18.7
5 1	16 1.63	−15 20.4	1.910	2.873	7.3	18.4
5 11	15 52.72	−15 35.1	1.855	2.855	3.5	18.2
5 21	15 42.77	−15 51.1	1.827	2.837	1.7	18.0
5 31	15 32.77	−16 9.5	1.828	2.819	5.4	18.2
6 10	15 23.76	−16 31.6	1.856	2.801	9.3	18.4
6 20	15 16.52	−16 58.6	1.908	2.783	12.9	18.6

173171 1997 EE_{44} 5 19.2 201.°15 4.°2/21.9 17

4 11	16 11.50	−33 58.1	2.508	3.272	13.0	20.4
4 21	16 6.94	−34 15.2	2.414	3.270	10.7	20.3
5 1	16 0.23	−34 20.4	2.341	3.269	8.2	20.1
5 11	15 51.98	−34 11.7	2.294	3.267	5.7	19.9
5 21	15 42.96	−33 48.8	2.273	3.265	4.2	19.8
5 31	15 34.11	−33 13.5	2.280	3.263	5.3	19.9
6 10	15 26.32	−32 29.3	2.315	3.261	7.7	20.0
6 20	15 20.26	−31 40.9	2.374	3.258	10.3	20.2

22070 2000 AN_{106} 5 19.2 279.°10 4.°1/15.6 18 R

4 11	16 4.89	− 4 8.3	3.366	4.169	9.2	18.6
4 21	16 1.06	− 3 35.5	3.261	4.147	7.4	18.5
5 1	15 55.95	− 3 5.4	3.181	4.125	5.6	18.3
5 11	15 49.93	− 2 40.7	3.128	4.102	4.3	18.2
5 21	15 43.42	− 2 23.5	3.104	4.079	4.4	18.2
5 31	15 36.94	− 2 15.6	3.107	4.056	5.8	18.3
6 10	15 30.99	− 2 18.2	3.138	4.032	7.7	18.4
6 20	15 26.01	− 2 31.5	3.192	4.009	9.7	18.5

93715 2000 VN_{35} 5 19.2 241.°68 1.°0/18.7 18

4 11	16 11.86	−17 52.4	2.025	2.840	14.0	20.1
4 21	16 7.45	−17 42.8	1.931	2.831	10.9	19.9
5 1	16 0.72	−17 28.8	1.858	2.822	7.4	19.6
5 11	15 52.26	−17 11.7	1.811	2.812	3.4	19.4
5 21	15 42.89	−16 53.2	1.792	2.802	1.4	19.2
5 31	15 33.63	−16 36.1	1.800	2.792	5.3	19.4
6 10	15 25.45	−16 23.2	1.834	2.782	9.3	19.7
6 20	15 19.11	−16 17.1	1.893	2.771	12.8	19.9

316581 2011 TX_{14} 5 19.2 188.°67 3.°1/16.7 18

4 11	16 8.14	− 8 33.6	3.307	4.108	9.4	22.0
4 21	16 3.47	− 8 3.4	3.217	4.107	7.4	21.8
5 1	15 57.49	− 7 34.1	3.152	4.105	5.2	21.7
5 11	15 50.60	− 7 8.0	3.116	4.102	3.5	21.6
5 21	15 43.28	− 6 47.0	3.108	4.099	3.3	21.6
5 31	15 36.08	− 6 32.9	3.130	4.096	5.0	21.7
6 10	15 29.51	− 6 27.0	3.180	4.091	7.1	21.8
6 20	15 24.00	− 6 29.8	3.256	4.087	9.2	21.9

7417 1990 YE 5 19.2 122.°56 0.°5/18.9 18

4 11	16 9.74	−19 21.4	2.613	3.417	11.5	18.8
4 21	16 5.08	−19 8.4	2.534	3.429	8.9	18.6
5 1	15 58.72	−18 51.0	2.479	3.440	5.9	18.4
5 11	15 51.19	−18 30.3	2.451	3.452	2.7	18.2
5 21	15 43.16	−18 7.8	2.452	3.463	0.8	18.1
5 31	15 35.36	−17 45.8	2.481	3.474	4.1	18.3
6 10	15 28.46	−17 26.7	2.539	3.484	7.1	18.6
6 20	15 22.99	−17 12.4	2.621	3.494	9.9	18.8

139885 2001 RE_{87} 5 19.2 218°.16 4°.2/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 12.82	−33 2.3	2.463	3.229	13.2	20.2
4 21	16 8.06	−33 29.0	2.365	3.224	10.8	20.0
5 1	16 1.06	−33 44.7	2.290	3.219	8.2	19.8
5 11	15 52.40	−33 47.2	2.239	3.214	5.7	19.6
5 21	15 42.88	−33 35.7	2.215	3.208	4.2	19.5
5 31	15 33.47	−33 11.2	2.220	3.202	5.4	19.6
6 10	15 25.11	−32 37.3	2.251	3.196	7.9	19.7
6 20	15 18.53	−31 58.3	2.308	3.190	10.7	19.9

108009 2001 FX_{142} 5 19.2 75°.23 0°.5/19.4 18

4 11	16 15.10	−20 13.0	1.539	2.363	17.2	19.8
4 21	16 10.66	−20 34.4	1.463	2.367	13.5	19.6
5 1	16 3.20	−20 50.8	1.407	2.371	9.2	19.3
5 11	15 53.48	−21 1.6	1.374	2.375	4.3	19.1
5 21	15 42.64	−21 6.9	1.368	2.379	1.0	18.8
5 31	15 32.07	−21 8.7	1.387	2.383	5.9	19.2
6 10	15 23.07	−21 9.9	1.431	2.388	10.6	19.4
6 20	15 16.57	−21 13.9	1.498	2.392	14.7	19.7

184278 2005 AS_{32} 5 19.2 91°.90 1°.7/18.4 18

4 11	16 14.74	−17 42.7	1.537	2.365	17.1	20.5
4 21	16 9.98	−17 15.2	1.475	2.382	13.2	20.3
5 1	16 2.44	−16 42.0	1.433	2.400	8.8	20.1
5 11	15 53.00	−16 5.5	1.416	2.417	4.1	19.8
5 21	15 42.78	−15 29.3	1.424	2.434	2.1	19.7
5 31	15 33.08	−14 57.7	1.458	2.450	6.4	20.1
6 10	15 25.01	−14 34.7	1.518	2.466	10.8	20.3
6 20	15 19.32	−14 22.8	1.600	2.482	14.5	20.6

162516 2000 QX_{106} 5 19.2 350°.31 0°.1/19.2 17

4 11	16 7.60	−23 37.8	1.169	2.020	19.8	19.3
4 21	16 5.63	−23 1.1	1.096	2.015	15.7	19.0
5 1	16 0.22	−22 8.1	1.040	2.011	10.7	18.7
5 11	15 52.21	−21 0.7	1.005	2.008	5.0	18.3
5 21	15 42.93	−19 44.2	0.993	2.005	1.1	18.1
5 31	15 34.00	−18 26.5	1.005	2.004	7.1	18.4
6 10	15 26.95	−17 16.9	1.039	2.003	12.7	18.7
6 20	15 22.77	−16 22.2	1.092	2.003	17.5	19.0

129713 1998 TR_{4} 5 19.2 353°.98 9°.0/21.9 17

4 11	16 10.59	−35 17.2	1.373	2.178	19.9	18.5
4 21	16 8.34	−36 50.8	1.295	2.171	16.9	18.2
5 1	16 2.39	−38 10.1	1.235	2.165	13.6	18.0
5 11	15 53.40	−39 8.1	1.195	2.161	10.6	17.8
5 21	15 42.64	−39 39.0	1.177	2.157	9.0	17.7
5 31	15 31.91	−39 41.2	1.182	2.156	10.1	17.8
6 10	15 23.04	−39 19.7	1.208	2.155	13.0	17.9
6 20	15 17.35	−38 42.5	1.254	2.156	16.4	18.1

236925 2007 TH_{165} 5 19.2 216°.71 0°.7/18.6 18

4 11	16 4.36	−17 50.1	4.108	4.905	7.8	21.9
4 21	16 0.41	−17 33.1	4.005	4.897	6.0	21.7
5 1	15 55.39	−17 13.4	3.928	4.888	4.0	21.6
5 11	15 49.64	−16 52.1	3.879	4.879	1.9	21.4
5 21	15 43.53	−16 30.2	3.860	4.870	0.9	21.3
5 31	15 37.48	−16 9.3	3.871	4.860	2.9	21.5
6 10	15 31.92	−15 50.8	3.911	4.850	5.1	21.6
6 20	15 27.19	−15 36.0	3.977	4.840	7.0	21.7

263986 2009 KO_{25} 5 19.2 288°.99 2°.8/17.6 18

4 11	16 8.19	−12 46.7	2.292	3.112	12.4	21.0
4 21	16 4.33	−12 22.6	2.190	3.092	9.8	20.8
5 1	15 58.51	−11 57.2	2.110	3.073	6.7	20.6
5 11	15 51.23	−11 32.7	2.057	3.054	3.7	20.3
5 21	15 43.16	−11 11.8	2.031	3.034	3.1	20.3
5 31	15 35.12	−10 57.1	2.032	3.015	5.8	20.4
6 10	15 27.93	−10 51.1	2.060	2.995	9.1	20.6
6 20	15 22.25	−10 54.9	2.112	2.976	12.3	20.7

505470 2013 TM_{112} 5 19.2 297°.95 1°.9/18.4 17

4 11	16 9.89	−17 28.1	1.554	2.390	16.5	21.9
4 21	16 6.76	−17 2.6	1.456	2.368	13.0	21.7
5 1	16 0.75	−16 30.3	1.378	2.346	8.9	21.3
5 11	15 52.46	−15 53.6	1.323	2.325	4.3	21.0
5 21	15 42.87	−15 15.6	1.293	2.303	2.4	20.8
5 31	15 33.25	−14 41.2	1.289	2.282	6.9	21.1
6 10	15 24.93	−14 15.1	1.309	2.261	11.8	21.3
6 20	15 18.90	−14 1.0	1.350	2.240	16.2	21.5

245974 2006 SU_{115} 5 19.2 256°.43 2°.5/18.0 18

4 11	16 11.62	−11 50.7	2.399	3.208	12.2	20.6
4 21	16 6.89	−11 48.1	2.297	3.194	9.6	20.4
5 1	16 0.17	−11 46.2	2.219	3.179	6.6	20.1
5 11	15 51.99	−11 46.7	2.167	3.164	3.6	19.9
5 21	15 43.00	−11 51.1	2.144	3.148	2.8	19.8
5 31	15 34.03	−12 0.9	2.149	3.133	5.5	20.0
6 10	15 25.92	−12 17.4	2.182	3.117	8.7	20.2
6 20	15 19.30	−12 41.3	2.239	3.101	11.7	20.3

154546 2003 GL_{36} 5 19.2 326°.32 1°.7/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 10.06	−24 7.1	1.558	2.384	16.9	20.4
4 21	16 6.90	−24 15.3	1.470	2.374	13.5	20.2
5 1	16 0.80	−24 13.8	1.403	2.365	9.4	19.9
5 11	15 52.45	−24 2.1	1.358	2.357	4.8	19.6
5 21	15 42.89	−23 40.8	1.338	2.349	1.8	19.4
5 31	15 33.46	−23 12.9	1.343	2.341	5.9	19.7
6 10	15 25.49	−22 43.3	1.373	2.334	10.5	19.9
6 20	15 19.91	−22 17.0	1.425	2.327	14.7	20.1

148839 2001 UK_{218} 5 19.2 81°.89 8°.2/15.7 17

4 11	16 12.20	− 0 8.5	1.731	2.549	15.8	19.9
4 21	16 7.61	+ 0 42.9	1.672	2.561	13.0	19.7
5 1	16 0.68	+ 1 24.7	1.635	2.573	10.3	19.6
5 11	15 52.17	+ 1 51.4	1.621	2.586	8.4	19.5
5 21	15 42.99	+ 1 58.7	1.633	2.598	8.5	19.5
5 31	15 34.21	+ 1 44.5	1.669	2.610	10.4	19.7
6 10	15 26.76	+ 1 9.4	1.728	2.622	13.0	19.8
6 20	15 21.30	+ 0 16.2	1.808	2.634	15.6	20.0

507721 2013 VK_{4} 5 19.2 200°.66 11°.7/24.7 17

4 11	16 33.23	−54 37.2	2.582	3.200	15.8	21.8
4 21	16 25.95	−56 28.0	2.490	3.196	14.6	21.7
5 1	16 14.40	−58 2.0	2.417	3.191	13.3	21.6
5 11	15 59.10	−59 10.8	2.364	3.185	12.3	21.5
5 21	15 41.35	−59 47.5	2.333	3.179	11.7	21.5
5 31	15 23.20	−59 49.1	2.326	3.172	11.8	21.5
6 10	15 6.86	−59 18.7	2.342	3.165	12.5	21.5
6 20	14 53.98	−58 23.9	2.378	3.156	13.7	21.6

211162 2002 GC_{182} 5 19.2 80°.31 3°.3/20.5 18

4 11	16 17.02	−26 41.7	1.468	2.281	18.4	20.5
4 21	16 12.30	−27 12.2	1.402	2.296	14.7	20.3
5 1	16 4.33	−27 31.3	1.356	2.311	10.4	20.0
5 11	15 53.99	−27 36.6	1.332	2.326	5.9	19.8
5 21	15 42.58	−27 27.8	1.333	2.340	3.3	19.7
5 31	15 31.65	−27 7.3	1.360	2.355	6.3	19.9
6 10	15 22.57	−26 40.5	1.412	2.369	10.6	20.2
6 20	15 16.26	−26 13.4	1.485	2.384	14.5	20.5

395644 2011 WC_{36} 5 19.2 183°.87 0°.1/19.2 18

4 11	16 9.20	−21 0.2	2.899	3.696	10.7	22.3
4 21	16 4.61	−20 50.6	2.806	3.696	8.3	22.2
5 1	15 58.41	−20 35.9	2.737	3.695	5.6	22.0
5 11	15 51.09	−20 17.0	2.695	3.695	2.6	21.8
5 21	15 43.23	−19 55.1	2.682	3.694	0.6	21.6
5 31	15 35.50	−19 32.2	2.699	3.692	3.7	21.8
6 10	15 28.56	−19 10.4	2.744	3.691	6.6	22.0
6 20	15 22.91	−18 52.1	2.815	3.688	9.2	22.2

302342 2002 AY_{138} 5 19.2 47°.36 1°.9/20.5 18

4 11	16 9.17	−27 31.6	2.236	3.032	13.4	20.5
4 21	16 5.15	−27 19.3	2.149	3.035	10.7	20.3
5 1	15 59.03	−26 56.1	2.085	3.038	7.5	20.1
5 11	15 51.43	−26 22.3	2.046	3.040	4.1	19.9
5 21	15 43.16	−25 39.2	2.034	3.043	1.9	19.8
5 31	15 35.12	−24 50.1	2.051	3.046	4.4	20.0
6 10	15 28.19	−23 59.3	2.094	3.049	7.8	20.2
6 20	15 22.99	−23 11.1	2.162	3.052	11.0	20.4

300222 2006 XF_{6} 5 19.2 221°.76 3°.0/17.2 18

4 11	16 9.43	−10 2.1	2.892	3.697	10.5	21.6
4 21	16 4.76	− 9 40.6	2.794	3.686	8.2	21.4
5 1	15 58.52	− 9 19.7	2.720	3.676	5.8	21.3
5 11	15 51.15	− 9 1.5	2.674	3.665	3.5	21.1
5 21	15 43.22	− 8 47.9	2.656	3.653	3.2	21.1
5 31	15 35.35	− 8 40.9	2.668	3.641	5.2	21.2
6 10	15 28.20	− 8 41.8	2.707	3.629	7.8	21.3
6 20	15 22.26	− 8 51.2	2.772	3.616	10.3	21.5

85256 1993 TC_{14} 5 19.2 295°.67 0°.1/19.1 18

4 11	16 8.31	−20 40.1	2.251	3.064	12.8	20.4
4 21	16 4.58	−20 28.8	2.144	3.043	10.1	20.2
5 1	15 58.78	−20 11.3	2.060	3.023	6.8	20.0
5 11	15 51.40	−19 48.4	2.002	3.002	3.2	19.7
5 21	15 43.16	−19 21.8	1.970	2.982	0.7	19.5
5 31	15 34.94	−18 54.0	1.967	2.962	4.7	19.7
6 10	15 27.63	−18 28.2	1.990	2.941	8.4	19.9
6 20	15 21.92	−18 7.5	2.038	2.921	11.8	20.1

403200 2008 SL_{59} 5 19.2 119°.37 0°.4/18.9 18

4 11	16 5.81	−18 47.7	3.560	4.359	8.8	22.2
4 21	16 1.63	−18 37.6	3.479	4.370	6.8	22.0
5 1	15 56.24	−18 24.5	3.422	4.382	4.5	21.9
5 11	15 50.04	−18 9.3	3.393	4.394	2.1	21.7
5 21	15 43.49	−17 53.1	3.394	4.405	0.7	21.6
5 31	15 37.08	−17 37.5	3.424	4.416	3.1	21.8
6 10	15 31.29	−17 23.9	3.484	4.427	5.5	22.0
6 20	15 26.50	−17 13.7	3.569	4.438	7.6	22.1

158520 Ricardoferreira 5 19.2 27°.87 16°.9/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 10.64	+23 12.8	1.736	2.477	18.7	18.9
4 21	16 6.58	+24 57.3	1.700	2.481	17.7	18.9
5 1	16 0.09	+26 14.7	1.680	2.485	17.1	18.8
5 11	15 51.93	+26 56.6	1.678	2.490	16.9	18.8
5 21	15 43.10	+26 58.1	1.694	2.495	17.3	18.8
5 31	15 34.70	+26 18.3	1.726	2.500	18.2	18.9
6 10	15 27.71	+25 0.8	1.775	2.505	19.2	19.0
6 20	15 22.79	+23 12.0	1.838	2.511	20.4	19.1

348993 2006 UT_{189} 5 19.2 208°.94 2°.7/21.1 18

4 11	16 10.97	−30 3.2	2.596	3.373	12.3	21.4
4 21	16 6.37	−30 4.9	2.498	3.368	9.9	21.3
5 1	15 59.80	−29 56.2	2.423	3.364	7.2	21.1
5 11	15 51.80	−29 36.4	2.373	3.359	4.4	20.9
5 21	15 43.11	−29 6.0	2.351	3.354	2.7	20.8
5 31	15 34.57	−28 26.9	2.358	3.349	4.4	20.9
6 10	15 26.99	−27 42.7	2.392	3.343	7.2	21.0
6 20	15 21.00	−26 57.6	2.452	3.337	10.0	21.2

277846 2006 HB_{95} 5 19.2 65°.30 3°.5/17.3 17

4 11	16 9.74	−13 28.3	1.778	2.608	15.0	20.3
4 21	16 5.80	−12 41.8	1.709	2.617	11.7	20.1
5 1	15 59.55	−11 52.7	1.661	2.626	8.0	19.9
5 11	15 51.69	−11 4.8	1.638	2.635	4.5	19.7
5 21	15 43.15	−10 22.3	1.641	2.644	3.8	19.6
5 31	15 34.94	− 9 49.5	1.671	2.653	6.9	19.8
6 10	15 28.00	− 9 29.3	1.726	2.662	10.5	20.1
6 20	15 22.99	− 9 22.9	1.803	2.671	13.8	20.3

433811 2015 BG_{129} 5 19.2 0°.20 2°.6/18.0 17

4 11	16 10.80	−15 5.2	1.683	2.514	15.7	21.9
4 21	16 6.93	−14 39.4	1.605	2.514	12.2	21.7
5 1	16 0.50	−14 10.2	1.547	2.514	8.3	21.4
5 11	15 52.21	−13 40.5	1.514	2.514	4.2	21.2
5 21	15 43.03	−13 13.5	1.506	2.514	2.9	21.1
5 31	15 34.09	−12 52.8	1.525	2.514	6.6	21.3
6 10	15 26.48	−12 41.7	1.569	2.514	10.7	21.6
6 20	15 20.96	−12 42.0	1.635	2.515	14.4	21.8

332280 2006 SF_{317} 5 19.2 309°.33 0°.1/19.2 17

4 11	16 10.37	−19 54.4	1.379	2.219	18.0	21.6
4 21	16 7.61	−19 57.9	1.285	2.199	14.3	21.3
5 1	16 1.62	−19 54.8	1.210	2.179	9.8	20.9
5 11	15 52.99	−19 45.5	1.157	2.159	4.6	20.6
5 21	15 42.81	−19 31.3	1.129	2.140	1.0	20.3
5 31	15 32.57	−19 15.5	1.124	2.122	6.7	20.6
6 10	15 23.79	−19 2.4	1.143	2.104	12.2	20.8
6 20	15 17.65	−18 56.4	1.182	2.086	17.0	21.1

10993 1975 XF 5 19.2 258°.60 4°.3/17.0 18

4 11	16 12.50	−11 58.9	1.720	2.547	15.5	19.0
4 21	16 8.39	−11 10.9	1.623	2.529	12.3	18.7
5 1	16 1.63	−10 19.9	1.547	2.510	8.6	18.4
5 11	15 52.82	− 9 29.7	1.496	2.491	5.2	18.2
5 21	15 42.88	− 8 45.3	1.471	2.471	4.7	18.1
5 31	15 32.96	− 8 11.6	1.473	2.451	8.1	18.3
6 10	15 24.23	− 7 52.6	1.499	2.430	12.2	18.4
6 20	15 17.60	− 7 50.1	1.546	2.409	16.0	18.6

387446 2013 WP_{61} 5 19.2 104°.87 3°.6/21.5 17

4 11	16 13.38	−31 59.7	2.088	2.868	14.8	20.5
4 21	16 8.58	−31 56.3	2.011	2.881	12.0	20.3
5 1	16 1.38	−31 38.7	1.954	2.894	8.8	20.2
5 11	15 52.53	−31 6.0	1.922	2.906	5.5	20.0
5 21	15 42.98	−30 19.3	1.917	2.918	3.6	19.9
5 31	15 33.82	−29 21.8	1.940	2.930	5.2	20.0
6 10	15 26.02	−28 19.0	1.989	2.942	8.3	20.2
6 20	15 20.25	−27 16.7	2.064	2.954	11.4	20.4

430452 2000 UX_{74} 5 19.2 253°.57 1°.5/19.9 18

4 11	16 13.82	−24 14.1	2.158	2.956	13.8	22.0
4 21	16 9.11	−24 22.8	2.049	2.937	11.0	21.8
5 1	16 1.97	−24 24.0	1.962	2.917	7.7	21.5
5 11	15 52.95	−24 17.0	1.901	2.897	4.0	21.3
5 21	15 42.86	−24 1.9	1.867	2.877	1.5	21.1
5 31	15 32.74	−23 40.5	1.861	2.856	4.9	21.2
6 10	15 23.64	−23 16.3	1.883	2.834	8.8	21.4
6 20	15 16.39	−22 53.0	1.928	2.812	12.4	21.6

244728 2003 RU_{5} 5 19.2 238°.21 1°.4/18.4 18

4 11	16 13.84	−18 37.0	1.961	2.773	14.5	21.0
4 21	16 9.15	−18 2.9	1.858	2.757	11.4	20.7
5 1	16 1.98	−17 21.4	1.778	2.741	7.7	20.5
5 11	15 52.94	−16 34.3	1.723	2.724	3.6	20.2
5 21	15 42.87	−15 44.8	1.696	2.706	1.8	20.0
5 31	15 32.87	−14 57.0	1.697	2.687	5.9	20.3
6 10	15 24.00	−14 15.7	1.724	2.667	10.1	20.5
6 20	15 17.08	−13 44.4	1.775	2.647	13.8	20.7

485451 2011 QH_{99} 5 19.2 339°.19 3°.6/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 1.21	− 3 55.0	3.955	4.761	7.9	21.1
4 21	15 58.00	− 3 21.0	3.871	4.758	6.3	21.0
5 1	15 53.81	− 2 49.8	3.812	4.755	4.8	20.9
5 11	15 48.94	− 2 23.4	3.781	4.752	3.7	20.8
5 21	15 43.77	− 2 3.6	3.777	4.749	3.8	20.8
5 31	15 38.68	− 1 51.9	3.802	4.747	5.0	20.9
6 10	15 34.06	− 1 49.1	3.853	4.744	6.5	21.0
6 20	15 30.23	− 1 55.4	3.929	4.742	8.1	21.1

374298 2005 SS_{61} 5 19.2 235°.10 1°.0/18.7 17

4 11	16 12.43	−18 52.2	2.051	2.863	13.9	22.5
4 21	16 7.91	−18 30.6	1.953	2.852	10.9	22.3
5 1	16 1.06	−18 3.0	1.877	2.840	7.4	22.1
5 11	15 52.48	−17 30.6	1.826	2.827	3.4	21.8
5 21	15 42.98	−16 55.9	1.803	2.814	1.4	21.6
5 31	15 33.58	−16 22.2	1.808	2.800	5.4	21.9
6 10	15 25.26	−15 53.3	1.840	2.786	9.3	22.1
6 20	15 18.77	−15 32.1	1.896	2.772	12.9	22.3

351763 2006 DS_{208} 5 19.2 349°.79 6°.8/21.7 17

4 11	16 11.95	−32 17.9	1.227	2.048	20.9	19.9
4 21	16 9.51	−33 10.2	1.151	2.044	17.3	19.7
5 1	16 3.19	−33 45.9	1.093	2.040	13.2	19.4
5 11	15 53.78	−33 59.5	1.054	2.037	9.1	19.2
5 21	15 42.68	−33 47.9	1.037	2.035	6.8	19.0
5 31	15 31.81	−33 12.9	1.043	2.033	8.6	19.1
6 10	15 23.02	−32 21.8	1.071	2.032	12.7	19.3
6 20	15 17.52	−31 24.3	1.118	2.032	16.9	19.6

35704 1999 FB_{13} 5 19.2 253°.91 1°.9/18.2 18

4 11	16 12.12	−16 45.4	2.059	2.873	13.8	20.0
4 21	16 7.70	−16 15.4	1.954	2.854	10.8	19.7
5 1	16 0.97	−15 40.2	1.871	2.835	7.3	19.5
5 11	15 52.46	−15 1.7	1.814	2.814	3.6	19.2
5 21	15 42.99	−14 22.8	1.785	2.793	2.2	19.0
5 31	15 33.53	−13 47.2	1.784	2.772	5.8	19.2
6 10	15 25.09	−13 18.6	1.809	2.750	9.8	19.4
6 20	15 18.44	−12 59.8	1.858	2.727	13.4	19.6

182858 2002 CD_{149} 5 19.2 352°.46 5°.3/21.9 18

4 11	16 6.68	−33 2.2	1.666	2.470	17.0	18.9
4 21	16 4.30	−33 28.6	1.581	2.463	14.0	18.7
5 1	15 59.07	−33 39.3	1.514	2.456	10.7	18.4
5 11	15 51.67	−33 31.8	1.470	2.450	7.3	18.2
5 21	15 43.16	−33 5.2	1.449	2.446	5.4	18.1
5 31	15 34.83	−32 22.0	1.454	2.443	6.8	18.2
6 10	15 27.96	−31 27.9	1.482	2.441	10.1	18.3
6 20	15 23.44	−30 29.8	1.532	2.440	13.6	18.5

179443 2002 AU_{124} 5 19.2 108°.74 6°.3/14.9 18

4 11	16 8.56	+ 0 24.6	2.627	3.427	11.5	20.7
4 21	16 4.02	+ 1 14.9	2.567	3.443	9.5	20.6
5 1	15 57.94	+ 1 58.4	2.530	3.458	7.6	20.5
5 11	15 50.86	+ 2 31.4	2.519	3.474	6.4	20.4
5 21	15 43.38	+ 2 50.9	2.535	3.489	6.5	20.4
5 31	15 36.14	+ 2 55.1	2.578	3.503	7.9	20.5
6 10	15 29.77	+ 2 43.6	2.646	3.518	9.8	20.7
6 20	15 24.71	+ 2 17.8	2.737	3.532	11.7	20.8

280330 2003 SF_{69} 5 19.2 230°.99 0°.1/19.1 18

4 11	16 11.26	−21 3.5	2.384	3.187	12.5	21.7
4 21	16 6.68	−20 45.3	2.282	3.175	9.8	21.5
5 1	16 0.08	−20 20.5	2.203	3.163	6.6	21.3
5 11	15 51.98	−19 49.9	2.150	3.151	3.1	21.1
5 21	15 43.12	−19 15.4	2.126	3.138	0.7	20.8
5 31	15 34.35	−18 39.7	2.131	3.124	4.5	21.1
6 10	15 26.52	−18 6.1	2.163	3.110	8.1	21.3
6 20	15 20.27	−17 37.9	2.220	3.096	11.3	21.5

308423 2005 SV_{127} 5 19.2 269°.51 1°.3/19.9 18 R

4 11	16 10.15	−24 14.7	2.442	3.240	12.4	21.2
4 21	16 5.90	−24 18.9	2.335	3.223	9.8	21.0
5 1	15 59.62	−24 16.1	2.251	3.207	6.8	20.8
5 11	15 51.80	−24 6.0	2.193	3.190	3.5	20.6
5 21	15 43.16	−23 49.3	2.162	3.172	1.3	20.4
5 31	15 34.53	−23 27.6	2.160	3.155	4.3	20.5
6 10	15 26.79	−23 4.0	2.185	3.137	7.7	20.7
6 20	15 20.61	−22 41.6	2.235	3.120	10.9	20.9

475763 2006 WE_{171} 5 19.2 157°.56 0°.7/18.8 17

4 11	16 9.31	−18 29.0	2.717	3.521	11.1	22.7
4 21	16 4.76	−18 14.4	2.631	3.526	8.6	22.5
5 1	15 58.55	−17 56.0	2.569	3.530	5.8	22.3
5 11	15 51.20	−17 34.8	2.534	3.534	2.6	22.1
5 21	15 43.31	−17 12.5	2.528	3.538	1.0	22.0
5 31	15 35.60	−16 51.2	2.551	3.542	4.1	22.2
6 10	15 28.73	−16 33.2	2.602	3.545	7.1	22.4
6 20	15 23.21	−16 20.3	2.678	3.548	9.8	22.6

188555 2004 TA_{62} 5 19.2 342°.37 4°.9/21.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 11.94	−31 35.3	2.062	2.847	14.8	19.6
4 21	16 7.91	−32 28.1	1.971	2.841	12.2	19.4
5 1	16 1.28	−33 11.0	1.900	2.836	9.2	19.2
5 11	15 52.67	−33 40.7	1.854	2.831	6.4	19.0
5 21	15 42.96	−33 55.3	1.833	2.826	4.9	18.9
5 31	15 33.29	−33 54.9	1.839	2.822	6.3	19.0
6 10	15 24.81	−33 42.5	1.871	2.818	9.1	19.1
6 20	15 18.39	−33 22.6	1.926	2.815	12.1	19.3

142049 2002 QK_{20} 5 19.2 305°.89 1°.1/18.7 18

4 11	16 9.14	−20 23.2	1.446	2.285	17.4	19.8
4 21	16 6.33	−19 46.7	1.356	2.270	13.7	19.5
5 1	16 0.52	−18 59.1	1.286	2.255	9.3	19.2
5 11	15 52.39	−18 2.5	1.239	2.241	4.3	18.9
5 21	15 43.02	−17 1.3	1.216	2.227	1.7	18.7
5 31	15 33.78	−16 1.4	1.218	2.213	6.8	19.0
6 10	15 26.00	−15 9.7	1.244	2.200	11.9	19.2
6 20	15 20.66	−14 31.3	1.291	2.187	16.4	19.4

65489 Ceto 5 19.2 10°.98 0°.5/14.2 15

4 11	15 47.61	+ 0 48.2	39.556	40.348	0.9	22.6
4 21	15 46.95	+ 0 53.5	39.502	40.372	0.7	22.5
5 1	15 46.20	+ 0 58.3	39.474	40.396	0.6	22.5
5 11	15 45.41	+ 1 2.4	39.473	40.420	0.5	22.5
5 21	15 44.59	+ 1 5.6	39.500	40.444	0.5	22.5
5 31	15 43.77	+ 1 8.0	39.554	40.468	0.6	22.5
6 10	15 43.00	+ 1 9.4	39.634	40.492	0.8	22.6
6 20	15 42.28	+ 1 9.7	39.739	40.516	0.9	22.6

329044 2011 AX_{44} 5 19.2 223°.32 0°.3/19.4 18

4 11	16 13.81	−21 47.8	2.070	2.875	14.1	22.1
4 21	16 9.02	−21 39.3	1.972	2.865	11.1	21.9
5 1	16 1.83	−21 23.5	1.896	2.855	7.6	21.6
5 11	15 52.86	−21 0.8	1.845	2.845	3.6	21.3
5 21	15 42.95	−20 32.6	1.822	2.834	0.8	21.1
5 31	15 33.14	−20 1.6	1.827	2.822	5.0	21.4
6 10	15 24.44	−19 31.8	1.860	2.810	9.0	21.6
6 20	15 17.65	−19 6.7	1.916	2.797	12.6	21.8

291361 2006 BW_{261} 5 19.2 275°.77 8°.3/14.1 18

4 11	16 9.36	− 0 17.1	1.928	2.746	14.5	20.8
4 21	16 5.54	+ 0 55.6	1.841	2.728	12.1	20.6
5 1	15 59.49	+ 2 2.8	1.775	2.710	9.8	20.5
5 11	15 51.78	+ 2 58.0	1.734	2.692	8.4	20.3
5 21	15 43.19	+ 3 35.5	1.717	2.674	8.8	20.3
5 31	15 34.68	+ 3 50.9	1.726	2.656	10.8	20.4
6 10	15 27.19	+ 3 42.7	1.757	2.638	13.5	20.5
6 20	15 21.45	+ 3 12.0	1.808	2.619	16.2	20.7

400591 2009 AZ_{3} 5 19.2 202°.55 1°.1/18.2 18

4 11	16 4.96	−15 2.4	4.104	4.903	7.7	21.8
4 21	16 0.88	−14 51.1	4.006	4.898	6.0	21.6
5 1	15 55.74	−14 38.6	3.934	4.893	4.0	21.5
5 11	15 49.87	−14 25.8	3.889	4.888	2.0	21.3
5 21	15 43.64	−14 13.7	3.875	4.882	1.3	21.3
5 31	15 37.48	−14 3.8	3.891	4.876	3.1	21.4
6 10	15 31.81	−13 57.0	3.936	4.870	5.2	21.5
6 20	15 26.96	−13 54.3	4.007	4.864	7.1	21.7

506765 2006 WK_{106} 5 19.2 105°.23 0°.2/19.4 17

4 11	16 8.79	−22 57.3	2.379	3.183	12.5	21.6
4 21	16 4.62	−22 27.0	2.296	3.190	9.7	21.5
5 1	15 58.57	−21 48.7	2.236	3.196	6.6	21.3
5 11	15 51.24	−21 3.6	2.202	3.202	3.1	21.1
5 21	15 43.35	−20 14.2	2.197	3.208	0.6	20.9
5 31	15 35.71	−19 23.8	2.220	3.214	4.2	21.1
6 10	15 29.06	−18 36.4	2.270	3.220	7.6	21.4
6 20	15 23.98	−17 55.1	2.346	3.226	10.6	21.6

439188 2011 WK_{144} 5 19.2 288°.49 2°.0/18.4 18

4 11	16 11.62	−13 49.8	2.198	3.012	13.0	20.9
4 21	16 7.25	−13 52.0	2.087	2.987	10.3	20.6
5 1	16 0.68	−13 54.0	1.999	2.962	7.0	20.4
5 11	15 52.38	−13 57.1	1.937	2.936	3.6	20.1
5 21	15 43.07	−14 2.8	1.903	2.911	2.2	20.0
5 31	15 33.68	−14 12.5	1.897	2.886	5.5	20.1
6 10	15 25.15	−14 28.0	1.918	2.860	9.3	20.3
6 20	15 18.25	−14 50.2	1.963	2.834	12.7	20.5

431797 2008 QY_{22} 5 19.2 277°.79 15°.8/30.6 17

4 11	16 9.16	+20 46.8	1.955	2.701	16.8	20.8
4 21	16 5.53	+23 24.0	1.897	2.681	16.0	20.7
5 1	15 59.56	+25 42.3	1.859	2.661	15.8	20.6
5 11	15 51.84	+27 31.5	1.841	2.640	16.1	20.6
5 21	15 43.20	+28 44.1	1.841	2.620	16.9	20.6
5 31	15 34.63	+29 15.9	1.860	2.599	18.2	20.7
6 10	15 27.14	+29 7.6	1.893	2.578	19.5	20.7
6 20	15 21.49	+28 23.1	1.938	2.557	20.9	20.8

23549 Epicles 5 19.2 37°.61 2°.1/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 1.45	−10 15.4	4.265	5.072	7.3	18.8
4 21	15 58.13	− 9 55.6	4.179	5.074	5.7	18.7
5 1	15 53.88	− 9 36.2	4.119	5.076	4.0	18.6
5 11	15 49.00	− 9 18.8	4.087	5.078	2.4	18.5
5 21	15 43.84	− 9 4.6	4.084	5.080	2.2	18.4
5 31	15 38.76	− 8 54.8	4.110	5.083	3.6	18.5
6 10	15 34.12	− 8 50.3	4.164	5.085	5.3	18.7
6 20	15 30.23	− 8 51.7	4.244	5.087	7.0	18.8

497572 2006 DC_{211} 5 19.2 87°.33 4°.7/21.7 17

4 11	16 16.12	−32 23.1	1.947	2.726	15.7	21.7
4 21	16 11.00	−32 57.9	1.876	2.743	12.9	21.5
5 1	16 3.19	−33 19.5	1.826	2.760	9.6	21.3
5 11	15 53.46	−33 25.2	1.799	2.777	6.5	21.2
5 21	15 42.87	−33 14.2	1.799	2.794	4.8	21.1
5 31	15 32.66	−32 48.5	1.825	2.810	6.1	21.2
6 10	15 23.94	−32 12.6	1.878	2.827	9.0	21.4
6 20	15 17.49	−31 32.4	1.955	2.843	12.0	21.7

503497 2016 EC_{196} 5 19.2 37°.81 6°.0/17.0 17

4 11	16 12.37	− 7 56.2	1.404	2.244	17.7	21.0
4 21	16 8.51	− 7 17.8	1.336	2.247	14.1	20.8
5 1	16 1.75	− 6 42.8	1.288	2.250	10.2	20.6
5 11	15 52.87	− 6 16.3	1.263	2.253	6.8	20.4
5 21	15 42.99	− 6 3.2	1.261	2.256	6.4	20.4
5 31	15 33.45	− 6 6.7	1.285	2.260	9.4	20.5
6 10	15 25.49	− 6 28.2	1.331	2.263	13.3	20.8
6 20	15 19.93	− 7 6.5	1.397	2.267	17.0	21.0

391301 2006 SP_{375} 5 19.2 98°.68 2°.0/18.1 17

4 11	16 9.36	−15 0.0	2.217	3.035	12.8	21.7
4 21	16 5.14	−14 38.1	2.138	3.040	10.0	21.5
5 1	15 58.98	−14 13.8	2.081	3.045	6.7	21.3
5 11	15 51.46	−13 49.2	2.050	3.050	3.4	21.1
5 21	15 43.31	−13 26.7	2.047	3.054	2.3	21.0
5 31	15 35.38	−13 8.8	2.072	3.059	5.3	21.2
6 10	15 28.45	−12 58.0	2.124	3.064	8.6	21.5
6 20	15 23.13	−12 55.7	2.199	3.069	11.6	21.7

255610 2006 PT_{15} 5 19.2 292°.33 2°.5/18.3 17

4 11	16 11.98	−15 33.0	1.506	2.341	16.9	20.5
4 21	16 8.63	−15 15.9	1.403	2.314	13.5	20.2
5 1	16 2.22	−14 54.6	1.320	2.288	9.3	19.9
5 11	15 53.31	−14 31.6	1.260	2.260	4.6	19.6
5 21	15 42.86	−14 9.7	1.225	2.233	2.9	19.4
5 31	15 32.23	−13 53.0	1.215	2.206	7.4	19.6
6 10	15 22.87	−13 45.6	1.229	2.179	12.5	19.8
6 20	15 15.90	−13 50.4	1.263	2.152	17.2	20.0

292594 2006 TL_{103} 5 19.2 56°.21 0°.1/19.3 17

4 11	16 9.85	−21 1.2	2.091	2.904	13.6	21.0
4 21	16 5.70	−20 56.4	2.015	2.914	10.6	20.8
5 1	15 59.44	−20 45.6	1.961	2.924	7.2	20.6
5 11	15 51.69	−20 29.5	1.933	2.934	3.3	20.4
5 21	15 43.28	−20 9.7	1.932	2.944	0.7	20.2
5 31	15 35.13	−19 48.8	1.959	2.954	4.6	20.5
6 10	15 28.11	−19 29.7	2.012	2.965	8.2	20.8
6 20	15 22.84	−19 15.2	2.089	2.975	11.5	21.0

323340 2003 UF_{222} 5 19.2 189°.71 1°.0/19.8 17

4 11	16 14.41	−24 18.0	1.844	2.650	15.5	22.0
4 21	16 9.71	−24 2.5	1.756	2.650	12.2	21.8
5 1	16 2.38	−23 36.5	1.690	2.649	8.4	21.5
5 11	15 53.14	−23 0.1	1.648	2.647	4.1	21.3
5 21	15 42.96	−22 15.5	1.634	2.645	1.1	21.0
5 31	15 33.02	−21 26.4	1.647	2.643	5.2	21.3
6 10	15 24.45	−20 38.1	1.686	2.639	9.5	21.6
6 20	15 18.04	−19 55.4	1.749	2.636	13.3	21.8

430759 2004 RE_{65} 5 19.2 254°.51 3°.4/20.8 17

4 11	16 14.63	−29 1.1	2.106	2.892	14.5	21.5
4 21	16 9.96	−29 25.6	1.999	2.875	11.8	21.3
5 1	16 2.68	−29 40.2	1.913	2.858	8.6	21.1
5 11	15 53.36	−29 42.8	1.852	2.840	5.3	20.8
5 21	15 42.89	−29 32.3	1.818	2.821	3.4	20.7
5 31	15 32.37	−29 10.0	1.812	2.803	5.5	20.8
6 10	15 22.98	−28 39.5	1.832	2.784	9.0	20.9
6 20	15 15.60	−28 5.7	1.877	2.764	12.5	21.1

37425 2001 YM_{3} 5 19.2 206°.46 1°.5/18.3 18

4 11	16 12.32	−17 4.7	2.405	3.210	12.3	19.9
4 21	16 7.39	−16 36.6	2.308	3.204	9.6	19.7
5 1	16 0.50	−16 4.1	2.235	3.197	6.5	19.5
5 11	15 52.19	−15 28.9	2.189	3.189	3.1	19.2
5 21	15 43.17	−14 53.4	2.172	3.181	1.8	19.1
5 31	15 34.28	−14 20.5	2.184	3.172	5.0	19.3
6 10	15 26.33	−13 53.3	2.223	3.162	8.4	19.5
6 20	15 19.95	−13 34.1	2.287	3.152	11.4	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
96871 1999 ST_{21}			5 19.2 149°.97		0°.2/19.4 18	
	h m	° ′			°	m
4 11	16 10.84	−24 16.2	1.959	2.769	14.6	19.4
4 21	16 6.65	−23 30.2	1.874	2.771	11.5	19.2
5 1	16 0.16	−22 32.3	1.812	2.772	7.8	19.0
5 11	15 52.04	−21 24.3	1.774	2.774	3.6	18.7
5 21	15 43.21	−20 9.8	1.764	2.776	0.7	18.5
5 31	15 34.68	−18 54.0	1.782	2.777	5.0	18.8
6 10	15 27.41	−17 42.9	1.827	2.779	9.0	19.0
6 20	15 22.06	−16 41.2	1.896	2.780	12.5	19.3
374127 2004 TO_{74}			5 19.2 52°.63		8°.0/21.2 17	
4 11	16 25.22	−33 26.6	1.631	2.404	18.5	19.7
4 21	16 19.10	−35 29.7	1.568	2.425	15.5	19.6
5 1	16 9.27	−37 21.1	1.525	2.446	12.2	19.4
5 11	15 56.52	−38 52.6	1.507	2.468	9.2	19.3
5 21	15 42.21	−39 57.7	1.514	2.490	8.0	19.2
5 31	15 28.13	−40 34.4	1.547	2.512	9.1	19.4
6 10	15 16.01	−40 46.7	1.605	2.534	11.7	19.6
6 20	15 7.02	−40 41.9	1.686	2.556	14.5	19.8
281272 Arnaudleroy			5 19.2 313°.49		3°.0/17.6 18	
4 11	16 7.00	−16 7.2	1.654	2.493	15.5	20.5
4 21	16 4.26	−15 17.4	1.557	2.471	12.2	20.3
5 1	15 58.95	−14 20.1	1.481	2.450	8.3	20.0
5 11	15 51.66	−13 19.0	1.428	2.428	4.4	19.7
5 21	15 43.27	−12 18.8	1.402	2.408	3.4	19.6
5 31	15 34.93	−11 25.5	1.400	2.388	7.2	19.8
6 10	15 27.78	−10 44.3	1.423	2.368	11.6	19.9
6 20	15 22.67	−10 18.7	1.467	2.349	15.7	20.1
338498 2003 OD_{14}			5 19.2 307°.09		0°.1/19.2 16	
4 11	16 8.48	−23 53.7	1.647	2.473	16.2	20.9
4 21	16 5.70	−23 7.6	1.535	2.441	12.9	20.6
5 1	16 0.10	−22 5.6	1.444	2.409	8.9	20.3
5 11	15 52.27	−20 49.0	1.376	2.378	4.2	20.0
5 21	15 43.13	−19 21.3	1.335	2.346	0.9	19.6
5 31	15 33.93	−17 49.0	1.319	2.315	6.2	19.9
6 10	15 25.97	−16 20.3	1.328	2.284	11.3	20.1
6 20	15 20.24	−15 3.0	1.360	2.254	15.9	20.3
472208 2014 EY_{21}			5 19.2 43°.96		7°.3/21.3 17	
4 11	16 22.57	−35 16.9	2.079	2.830	15.7	20.5
4 21	16 16.52	−37 6.2	1.998	2.839	13.3	20.3
5 1	16 7.33	−38 45.6	1.939	2.848	10.6	20.2
5 11	15 55.61	−40 8.6	1.905	2.857	8.3	20.1
5 21	15 42.41	−41 10.0	1.899	2.866	7.3	20.0
5 31	15 29.14	−41 47.4	1.919	2.876	8.2	20.1
6 10	15 17.25	−42 3.4	1.966	2.886	10.4	20.2
6 20	15 7.84	−42 3.2	2.036	2.895	12.8	20.4
111123 2001 VL_{90}			5 19.2 129°.10		5°.3/16.2 18	
4 11	16 12.06	− 6 45.6	2.059	2.875	13.7	19.6
4 21	16 7.21	− 5 53.0	1.992	2.888	10.9	19.4
5 1	16 0.33	− 5 3.0	1.948	2.900	8.0	19.2
5 11	15 52.07	− 4 20.1	1.930	2.912	5.7	19.1
5 21	15 43.24	− 3 48.1	1.938	2.923	5.6	19.1
5 31	15 34.72	− 3 30.0	1.974	2.934	7.8	19.3
6 10	15 27.33	− 3 27.4	2.035	2.944	10.6	19.5
6 20	15 21.67	− 3 39.9	2.119	2.954	13.3	19.7
42852 1999 RX_{52}			5 19.2 260°.65		7°.8/23.1 18	
4 11	16 17.34	−40 48.9	2.175	2.910	15.6	18.5
4 21	16 12.52	−41 41.0	2.067	2.891	13.5	18.3
5 1	16 4.68	−42 18.0	1.978	2.873	11.2	18.1
5 11	15 54.39	−42 34.8	1.912	2.853	9.0	17.9
5 21	15 42.68	−42 27.9	1.871	2.834	7.8	17.8
5 31	15 30.91	−41 56.9	1.856	2.813	8.4	17.8
6 10	15 20.45	−41 5.6	1.866	2.793	10.4	17.8
6 20	15 12.39	−40 0.9	1.899	2.772	13.0	18.0
151013 2001 UE_{101}			5 19.2 75°.42		2°.0/20.1 18	
4 11	16 14.00	−24 46.6	1.678	2.490	16.5	20.3
4 21	16 9.63	−25 3.8	1.602	2.498	13.1	20.1
5 1	16 2.45	−25 11.8	1.547	2.505	9.1	19.9
5 11	15 53.21	−25 9.6	1.516	2.513	4.8	19.6
5 21	15 42.99	−24 57.4	1.511	2.520	2.1	19.4
5 31	15 33.07	−24 37.8	1.532	2.528	5.5	19.7
6 10	15 24.66	−24 15.0	1.578	2.535	9.7	19.9
6 20	15 18.59	−23 53.7	1.648	2.543	13.5	20.2
49660 1999 JU_{130}			5 19.2 173°.44		2°.6/17.8 18	
4 11	16 10.70	−11 51.4	2.496	3.306	11.8	19.3
4 21	16 5.98	−11 39.2	2.411	3.307	9.2	19.1
5 1	15 59.47	−11 27.2	2.349	3.309	6.3	18.9
5 11	15 51.70	−11 17.2	2.314	3.310	3.5	18.8
5 21	15 43.32	−11 11.1	2.308	3.311	2.8	18.7
5 31	15 35.10	−11 10.7	2.330	3.311	5.3	18.9
6 10	15 27.76	−11 17.3	2.379	3.312	8.2	19.1
6 20	15 21.86	−11 31.6	2.453	3.312	11.0	19.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
402965 2007 UT_{4}			5 19.2 180°.31		0°.7/19.6 16	
	h m	° ′			°	m
4 11	16 16.33	−22 52.2	2.012	2.812	14.6	22.6
4 21	16 10.96	−22 47.1	1.924	2.814	11.5	22.4
5 1	16 3.13	−22 34.0	1.857	2.815	7.9	22.1
5 11	15 53.48	−22 12.9	1.817	2.815	3.8	21.9
5 21	15 42.95	−21 45.2	1.803	2.815	0.9	21.7
5 31	15 32.63	−21 13.5	1.819	2.814	5.0	22.0
6 10	15 23.58	−20 42.1	1.861	2.811	9.0	22.2
6 20	15 16.56	−20 14.8	1.928	2.809	12.5	22.4
193622 2001 CR_{25}			5 19.3 215°.06		5°.0/16.3 18	
4 11	16 11.40	− 5 27.8	2.410	3.217	12.3	20.6
4 21	16 6.61	− 4 50.2	2.320	3.209	9.8	20.4
5 1	15 59.95	− 4 15.6	2.254	3.201	7.3	20.2
5 11	15 51.95	− 3 47.5	2.213	3.192	5.3	20.1
5 21	15 43.29	− 3 29.1	2.201	3.183	5.3	20.1
5 31	15 34.73	− 3 22.9	2.216	3.173	7.2	20.2
6 10	15 27.05	− 3 30.1	2.257	3.162	9.9	20.3
6 20	15 20.84	− 3 50.7	2.322	3.151	12.5	20.5
175308 2005 ME_{7}			5 19.3 359°.17		1°.1/18.9 17	
4 11	16 8.68	−18 9.4	1.216	2.069	19.1	19.8
4 21	16 6.33	−18 5.0	1.145	2.067	15.0	19.5
5 1	16 0.69	−17 54.8	1.092	2.065	10.1	19.2
5 11	15 52.56	−17 40.4	1.061	2.064	4.7	18.9
5 21	15 43.15	−17 24.7	1.053	2.064	1.7	18.7
5 31	15 34.03	−17 11.4	1.068	2.065	7.1	19.0
6 10	15 26.66	−17 4.7	1.105	2.067	12.3	19.3
6 20	15 22.02	−17 7.7	1.162	2.071	16.9	19.6
465955 2011 BK_{60}			5 19.3 160°.12		5°.6/16.6 16	
4 11	16 13.95	− 4 30.2	2.084	2.893	13.8	21.6
4 21	16 8.75	− 3 58.2	2.010	2.899	11.1	21.4
5 1	16 1.44	− 3 31.3	1.957	2.904	8.3	21.2
5 11	15 52.64	− 3 13.2	1.930	2.909	6.1	21.1
5 21	15 43.18	− 3 7.0	1.931	2.913	5.9	21.1
5 31	15 33.96	− 3 14.9	1.958	2.916	7.9	21.2
6 10	15 25.85	− 3 37.3	2.011	2.919	10.8	21.4
6 20	15 19.48	− 4 13.3	2.088	2.922	13.5	21.6
225882 2001 YS_{70}			5 19.3 240°.75		0°.5/19.0 18	
4 11	16 13.05	−19 13.1	2.052	2.863	14.0	20.5
4 21	16 8.48	−19 7.0	1.953	2.851	11.0	20.3
5 1	16 1.54	−18 55.8	1.876	2.838	7.4	20.1
5 11	15 52.81	−18 40.2	1.825	2.825	3.4	19.8
5 21	15 43.12	−18 21.7	1.801	2.812	1.0	19.6
5 31	15 33.48	−18 2.9	1.805	2.798	5.2	19.8
6 10	15 24.92	−17 46.8	1.835	2.784	9.2	20.1
6 20	15 18.20	−17 36.3	1.890	2.770	12.8	20.2
6169 Sashakrot			5 19.3 288°.67		4°.8/15.3 18	
4 11	16 6.87	−10 11.3	2.231	3.055	12.6	17.7
4 21	16 3.29	− 8 44.2	2.138	3.041	9.9	17.5
5 1	15 57.83	− 7 13.6	2.069	3.026	7.2	17.3
5 11	15 51.01	− 5 44.7	2.027	3.012	5.1	17.2
5 21	15 43.52	− 4 22.9	2.012	2.998	5.3	17.1
5 31	15 36.15	− 3 13.5	2.025	2.984	7.7	17.3
6 10	15 29.68	− 2 20.6	2.064	2.970	10.6	17.4
6 20	15 24.70	− 1 45.9	2.125	2.956	13.4	17.6
166642 2002 SF_{56}			5 19.3 295°.29		1°.4/20.0 18	
4 11	16 9.89	−24 58.2	1.930	2.741	14.7	20.3
4 21	16 6.25	−24 50.7	1.833	2.728	11.7	20.1
5 1	16 0.14	−24 33.2	1.756	2.715	8.1	19.9
5 11	15 52.19	−24 5.4	1.705	2.703	4.2	19.6
5 21	15 43.26	−23 28.9	1.679	2.690	1.5	19.4
5 31	15 34.42	−22 46.7	1.681	2.678	5.0	19.6
6 10	15 26.76	−22 3.5	1.709	2.666	9.1	19.8
6 20	15 21.06	−21 24.0	1.760	2.654	12.9	20.0
246393 2007 UV_{46}			5 19.3 146°.60		2°.0/18.3 18	
4 11	16 13.85	−17 26.6	1.718	2.540	15.8	21.1
4 21	16 9.22	−16 50.0	1.643	2.547	12.3	20.8
5 1	16 2.02	−16 7.3	1.588	2.553	8.2	20.6
5 11	15 52.98	−15 21.2	1.558	2.559	4.0	20.4
5 21	15 43.12	−14 35.5	1.555	2.564	2.3	20.3
5 31	15 33.59	−13 54.7	1.580	2.569	6.3	20.5
6 10	15 25.46	−13 22.9	1.629	2.574	10.4	20.8
6 20	15 19.49	−13 2.9	1.701	2.578	14.1	21.0
22353 1992 UA_{6}			5 19.3 218°.95		1°.2/19.9 18	
4 11	16 14.19	−24 26.2	1.790	2.599	15.8	18.5
4 21	16 9.74	−24 18.6	1.699	2.593	12.5	18.3
5 1	16 2.55	−24 0.7	1.629	2.587	8.7	18.0
5 11	15 53.32	−23 32.3	1.583	2.581	4.3	17.7
5 21	15 43.03	−22 54.8	1.563	2.574	1.3	17.5
5 31	15 32.92	−22 11.7	1.571	2.567	5.4	17.8
6 10	15 24.16	−21 28.2	1.605	2.559	9.8	18.0
6 20	15 17.63	−20 49.3	1.661	2.551	13.7	18.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
192407 1997 EY_{30}			5 19.3 104.°67		0.°6/18.9 17	
	h m	° ′			°	m
4 11	16 10.91	−19 48.1	1.916	2.734	14.5	20.8
4 21	16 6.78	−19 29.8	1.835	2.737	11.3	20.6
5 1	16 0.32	−19 5.0	1.776	2.740	7.6	20.4
5 11	15 52.20	−18 35.3	1.741	2.742	3.5	20.1
5 21	15 43.28	−18 2.9	1.734	2.745	1.1	19.9
5 31	15 34.61	−17 31.3	1.754	2.748	5.2	20.2
6 10	15 27.16	−17 4.1	1.800	2.750	9.2	20.5
6 20	15 21.61	−16 44.3	1.869	2.753	12.7	20.7
133630 2003 UM_{136}			5 19.3 287.°45		1.°7/18.4 17	
4 11	16 9.70	−17 11.7	1.907	2.731	14.4	20.7
4 21	16 5.92	−16 45.3	1.818	2.724	11.2	20.5
5 1	15 59.81	−16 13.8	1.751	2.716	7.6	20.2
5 11	15 52.00	−15 39.4	1.709	2.709	3.6	20.0
5 21	15 43.33	−15 5.0	1.693	2.702	2.0	19.8
5 31	15 34.81	−14 34.1	1.705	2.695	5.8	20.1
6 10	15 27.43	−14 10.5	1.742	2.689	9.7	20.3
6 20	15 21.91	−13 56.5	1.802	2.682	13.3	20.5
248852 2006 TC_{69}			5 19.3 130.°97		1.°8/18.6 18	
4 11	16 16.43	−14 34.3	1.808	2.624	15.4	20.9
4 21	16 11.12	−14 39.4	1.733	2.633	12.0	20.7
5 1	16 3.27	−14 43.8	1.679	2.642	8.1	20.5
5 11	15 53.57	−14 48.6	1.651	2.650	3.9	20.3
5 21	15 43.01	−14 55.0	1.650	2.659	2.2	20.2
5 31	15 32.73	−15 4.7	1.676	2.666	5.9	20.4
6 10	15 23.81	−15 19.4	1.729	2.674	9.9	20.7
6 20	15 17.00	−15 40.2	1.805	2.681	13.5	20.9
386325 2008 SC_{151}			5 19.3 271.°29		5.°3/22.2 18	
4 11	16 14.88	−35 30.3	2.152	2.914	14.9	21.0
4 21	16 10.35	−35 45.8	2.035	2.889	12.5	20.8
5 1	16 3.08	−35 46.3	1.938	2.862	9.8	20.6
5 11	15 53.65	−35 28.7	1.864	2.835	7.0	20.3
5 21	15 42.96	−34 51.4	1.817	2.808	5.3	20.2
5 31	15 32.23	−33 55.7	1.797	2.779	6.4	20.2
6 10	15 22.69	−32 46.6	1.804	2.751	9.4	20.3
6 20	15 15.28	−31 31.0	1.834	2.722	12.7	20.4
32842 1992 EO_{13}			5 19.3 169.°93		1.°3/18.3 18 R	
4 11	16 9.11	−16 30.8	3.048	3.849	10.1	20.0
4 21	16 4.42	−16 5.5	2.960	3.853	7.8	19.8
5 1	15 58.28	−15 37.2	2.896	3.856	5.2	19.7
5 11	15 51.14	−15 7.5	2.860	3.860	2.5	19.5
5 21	15 43.54	−14 38.1	2.854	3.862	1.5	19.4
5 31	15 36.09	−14 11.3	2.877	3.864	4.0	19.6
6 10	15 29.38	−13 49.1	2.929	3.866	6.7	19.8
6 20	15 23.86	−13 33.2	3.007	3.867	9.1	19.9
427183 2014 VX_{9}			5 19.3 191.°41		0.°0/19.3 17	
4 11	16 15.40	−20 49.3	1.962	2.769	14.7	22.7
4 21	16 10.32	−20 42.2	1.873	2.768	11.5	22.5
5 1	16 2.76	−20 28.4	1.805	2.766	7.8	22.2
5 11	15 53.37	−20 8.5	1.763	2.763	3.6	22.0
5 21	15 43.05	−19 44.0	1.748	2.760	0.8	21.7
5 31	15 32.92	−19 17.7	1.762	2.756	5.2	22.1
6 10	15 24.02	−18 53.3	1.802	2.752	9.3	22.3
6 20	15 17.14	−18 34.3	1.867	2.747	12.9	22.5
355279 2007 RM_{33}			5 19.3 273.°66		0.°2/19.4 18	
4 11	16 12.12	−20 50.1	2.165	2.972	13.5	21.2
4 21	16 7.80	−20 49.9	2.053	2.948	10.7	21.0
5 1	16 1.14	−20 43.9	1.963	2.924	7.3	20.7
5 11	15 52.68	−20 32.5	1.899	2.899	3.4	20.4
5 21	15 43.18	−20 16.6	1.862	2.874	0.7	20.2
5 31	15 33.60	−19 58.1	1.854	2.849	4.9	20.4
6 10	15 24.95	−19 40.4	1.872	2.823	8.9	20.6
6 20	15 18.06	−19 26.4	1.915	2.797	12.5	20.8
305929 2009 FL_{71}			5 19.3 85.°49		2.°7/17.9 18	
4 11	16 10.43	−11 44.5	2.270	3.085	12.6	20.9
4 21	16 5.94	−11 35.7	2.192	3.091	9.9	20.7
5 1	15 59.53	−11 27.5	2.136	3.097	6.8	20.5
5 11	15 51.78	−11 21.8	2.107	3.103	3.7	20.3
5 21	15 43.40	−11 20.5	2.105	3.109	2.9	20.3
5 31	15 35.22	−11 25.3	2.132	3.115	5.5	20.5
6 10	15 28.02	−11 37.3	2.185	3.120	8.7	20.7
6 20	15 22.38	−11 57.2	2.262	3.126	11.5	20.9
339080 2004 RM_{24}			5 19.3 347.°67		19.°2/23.7 18	
4 11	16 25.67	−48 25.5	1.117	1.871	26.4	20.1
4 21	16 23.44	−51 29.2	1.053	1.868	24.2	19.9
5 1	16 14.93	−54 11.3	1.004	1.866	22.0	19.7
5 11	16 0.30	−56 14.4	0.971	1.865	20.1	19.6
5 21	15 41.42	−57 22.5	0.954	1.863	19.2	19.5
5 31	15 22.03	−57 27.7	0.955	1.862	19.5	19.5
6 10	15 6.30	−56 37.3	0.971	1.862	20.9	19.6
6 20	14 56.85	−55 8.4	1.003	1.862	22.9	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
408061 2012 FV_{82}			5 19.3 119.°55		1.°4/18.7 17	
	h m	° ′			°	m
4 11	16 15.02	−16 24.8	1.695	2.517	16.0	21.0
4 21	16 10.22	−16 23.7	1.621	2.524	12.5	20.8
5 1	16 2.76	−16 19.7	1.567	2.532	8.4	20.6
5 11	15 53.37	−16 14.2	1.538	2.539	4.0	20.3
5 21	15 43.07	−16 8.8	1.536	2.546	1.8	20.2
5 31	15 33.07	−16 5.9	1.560	2.552	6.0	20.5
6 10	15 24.48	−16 8.0	1.610	2.559	10.2	20.7
6 20	15 18.11	−16 17.0	1.683	2.565	13.9	21.0
281696 2008 WW_{59}			5 19.3 249.°22		2.°0/18.2 18	
4 11	16 12.25	−14 47.6	2.290	3.099	12.7	21.2
4 21	16 7.59	−14 32.7	2.184	3.082	10.0	21.0
5 1	16 0.83	−14 15.6	2.102	3.064	6.8	20.8
5 11	15 52.48	−13 57.9	2.046	3.045	3.4	20.5
5 21	15 43.25	−13 41.6	2.018	3.026	2.3	20.4
5 31	15 34.03	−13 29.2	2.019	3.006	5.4	20.6
6 10	15 25.70	−13 22.9	2.047	2.986	9.0	20.7
6 20	15 18.97	−13 24.6	2.099	2.965	12.2	20.9
160553 1998 QQ_{82}			5 19.3 276.°01		0.°8/18.8 18	
4 11	16 10.67	−20 19.0	2.120	2.932	13.5	20.2
4 21	16 6.65	−19 46.0	2.008	2.906	10.7	20.0
5 1	16 0.36	−19 4.6	1.918	2.881	7.2	19.7
5 11	15 52.31	−18 16.3	1.853	2.854	3.4	19.4
5 21	15 43.29	−17 23.7	1.816	2.827	1.2	19.2
5 31	15 34.25	−16 30.7	1.808	2.800	5.3	19.5
6 10	15 26.18	−15 42.0	1.826	2.773	9.3	19.6
6 20	15 19.85	−15 1.7	1.868	2.745	13.0	19.8
52474 1995 SH_{32}			5 19.3 113.°20		2.°7/20.4 18	
4 11	16 17.34	−26 30.5	1.434	2.249	18.7	19.3
4 21	16 12.73	−26 42.3	1.364	2.259	14.9	19.1
5 1	16 4.80	−26 41.3	1.312	2.269	10.5	18.8
5 11	15 54.42	−26 26.1	1.283	2.278	5.7	18.6
5 21	15 42.91	−25 57.3	1.279	2.287	2.7	18.4
5 31	15 31.84	−25 18.6	1.300	2.296	6.2	18.7
6 10	15 22.65	−24 36.3	1.346	2.305	10.9	18.9
6 20	15 16.26	−23 56.9	1.414	2.313	15.0	19.2
48883 1998 HY_{147}			5 19.3 347.°66		0.°4/19.4 18	
4 11	16 9.36	−20 53.7	1.044	1.903	21.0	17.9
4 21	16 7.57	−21 1.5	0.973	1.897	16.7	17.6
5 1	16 1.97	−21 0.4	0.919	1.892	11.4	17.3
5 11	15 53.36	−20 50.5	0.884	1.887	5.4	17.0
5 21	15 43.12	−20 33.5	0.872	1.884	1.1	16.6
5 31	15 33.11	−20 13.6	0.881	1.881	7.4	17.0
6 10	15 25.14	−19 56.7	0.911	1.880	13.4	17.3
6 20	15 20.38	−19 47.8	0.960	1.879	18.5	17.6
81131 2000 EW_{131}			5 19.3 174.°48		5.°5/16.0 17	
4 11	16 12.05	− 7 32.7	1.989	2.808	14.1	20.0
4 21	16 7.43	− 6 30.9	1.913	2.810	11.2	19.8
5 1	16 0.65	− 5 30.3	1.859	2.812	8.2	19.7
5 11	15 52.36	− 4 35.6	1.830	2.813	5.9	19.5
5 21	15 43.37	− 3 51.5	1.829	2.814	5.8	19.5
5 31	15 34.62	− 3 22.0	1.854	2.815	8.2	19.7
6 10	15 27.00	− 3 9.3	1.905	2.814	11.2	19.8
6 20	15 21.15	− 3 13.4	1.978	2.814	14.1	20.0
82225 2001 HO_{59}			5 19.3 283.°01		2.°2/20.1 18	
4 11	16 13.79	−24 32.7	1.623	2.439	16.8	19.4
4 21	16 10.01	−24 54.3	1.524	2.422	13.5	19.1
5 1	16 3.15	−25 7.5	1.445	2.404	9.5	18.8
5 11	15 53.81	−25 10.7	1.389	2.386	5.1	18.5
5 21	15 43.02	−25 3.4	1.358	2.368	2.3	18.3
5 31	15 32.15	−24 47.0	1.353	2.349	6.0	18.5
6 10	15 22.63	−24 26.0	1.373	2.331	10.8	18.7
6 20	15 15.56	−24 5.3	1.415	2.313	15.1	18.9
431037 2006 AJ_{90}			5 19.3 163.°52		1.°7/20.3 17	
4 11	16 12.66	−26 52.3	1.969	2.769	14.9	21.7
4 21	16 8.22	−26 34.9	1.883	2.771	11.8	21.5
5 1	16 1.34	−26 5.6	1.819	2.773	8.3	21.3
5 11	15 52.72	−25 24.4	1.780	2.775	4.4	21.1
5 21	15 43.29	−24 33.1	1.767	2.777	1.7	20.9
5 31	15 34.15	−23 35.8	1.783	2.779	4.9	21.1
6 10	15 26.29	−22 37.7	1.825	2.780	8.8	21.3
6 20	15 20.46	−21 44.1	1.891	2.781	12.3	21.5
99327 2001 UP_{32}			5 19.3 286.°90		0.°0/19.3 18	
4 11	16 2.74	−20 22.4	4.282	5.077	7.5	19.7
4 21	15 59.23	−20 17.8	4.185	5.075	5.8	19.6
5 1	15 54.72	−20 10.1	4.115	5.073	3.9	19.5
5 11	15 49.51	−20 0.2	4.072	5.071	1.8	19.3
5 21	15 43.97	−19 48.6	4.058	5.070	0.4	19.1
5 31	15 38.50	−19 36.6	4.074	5.068	2.5	19.3
6 10	15 33.50	−19 25.4	4.119	5.066	4.6	19.5
6 20	15 29.28	−19 16.1	4.191	5.064	6.5	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
201575 2003 SX_{65}			5 19.3 269°.61		3°.5/17.3 18	
	h m	° ′			°	m
4 11	16 10.07	−12 10.4	2.019	2.841	13.7	20.3
4 21	16 6.12	−11 33.0	1.922	2.826	10.8	20.1
5 1	15 59.95	−10 53.7	1.848	2.810	7.5	19.8
5 11	15 52.13	−10 15.6	1.798	2.794	4.4	19.6
5 21	15 43.41	− 9 42.3	1.776	2.777	3.9	19.5
5 31	15 34.75	− 9 17.6	1.781	2.761	6.8	19.7
6 10	15 27.10	− 9 4.2	1.812	2.744	10.3	19.8
6 20	15 21.18	− 9 3.7	1.865	2.727	13.7	20.0
425909 2011 FG_{127}			5 19.3 61°.01		7°.5/16.3 17	
4 11	16 12.13	− 1 56.7	1.687	2.510	16.0	21.0
4 21	16 7.76	− 1 16.2	1.625	2.519	13.0	20.8
5 1	16 0.99	− 0 44.1	1.583	2.528	10.0	20.7
5 11	15 52.53	− 0 25.6	1.565	2.538	7.8	20.6
5 21	15 43.35	− 0 24.7	1.572	2.547	7.8	20.6
5 31	15 34.52	− 0 43.4	1.604	2.557	9.8	20.7
6 10	15 27.03	− 1 21.2	1.660	2.567	12.7	20.9
6 20	15 21.55	− 2 15.8	1.736	2.577	15.5	21.1
156272 2001 VO_{66}			5 19.3 110°.20		1°.4/19.9 18	
4 11	16 16.08	−23 19.2	1.964	2.765	14.9	20.5
4 21	16 10.76	−23 36.4	1.890	2.780	11.7	20.3
5 1	16 2.98	−23 46.4	1.839	2.795	8.0	20.1
5 11	15 53.47	−23 48.7	1.813	2.810	4.0	19.9
5 21	15 43.16	−23 43.5	1.814	2.824	1.5	19.7
5 31	15 33.18	−23 32.7	1.843	2.838	4.9	20.0
6 10	15 24.54	−23 19.7	1.900	2.852	8.7	20.3
6 20	15 17.96	−23 7.8	1.980	2.865	12.0	20.5
176205 2001 PG_{58}			5 19.3 262°.86		3°.5/16.9 18	
4 11	16 9.78	−10 39.2	2.471	3.283	11.8	21.4
4 21	16 5.50	−10 1.8	2.363	3.260	9.4	21.2
5 1	15 59.35	− 9 23.4	2.280	3.237	6.6	20.9
5 11	15 51.80	− 8 46.9	2.222	3.214	4.1	20.7
5 21	15 43.49	− 8 15.3	2.193	3.190	3.8	20.7
5 31	15 35.18	− 7 51.7	2.192	3.165	6.2	20.8
6 10	15 27.65	− 7 38.5	2.218	3.141	9.2	20.9
6 20	15 21.53	− 7 36.9	2.268	3.115	12.1	21.1
475068 2005 UB_{133}			5 19.3 177°.29		3°.9/15.8 18	
4 11	16 7.40	− 9 22.8	2.829	3.639	10.5	22.2
4 21	16 3.20	− 8 14.0	2.746	3.640	8.3	22.1
5 1	15 57.53	− 7 4.5	2.688	3.641	6.0	21.9
5 11	15 50.85	− 5 57.7	2.658	3.642	4.2	21.8
5 21	15 43.72	− 4 57.4	2.656	3.642	4.2	21.8
5 31	15 36.76	− 4 6.9	2.684	3.642	6.1	21.9
6 10	15 30.55	− 3 28.6	2.738	3.642	8.4	22.1
6 20	15 25.54	− 3 3.6	2.817	3.641	10.6	22.2
345471 2006 HJ_{21}			5 19.3 333°.61		1°.0/19.6 17	
4 11	16 11.35	−19 50.6	1.539	2.371	16.8	19.8
4 21	16 8.10	−20 29.3	1.448	2.357	13.4	19.5
5 1	16 1.86	−21 5.4	1.378	2.343	9.2	19.3
5 11	15 53.22	−21 38.1	1.330	2.331	4.5	18.9
5 21	15 43.19	−22 6.3	1.308	2.319	1.2	18.7
5 31	15 33.12	−22 30.2	1.311	2.308	6.0	19.0
6 10	15 24.40	−22 51.7	1.338	2.298	10.8	19.2
6 20	15 18.08	−23 13.4	1.387	2.289	15.1	19.4
56302 1999 RW_{69}			5 19.3 103°.35		1°.4/18.6 18	
4 11	16 11.05	−17 52.4	1.878	2.700	14.6	19.9
4 21	16 6.93	−17 30.2	1.798	2.702	11.4	19.7
5 1	16 0.48	−17 2.8	1.740	2.705	7.7	19.5
5 11	15 52.34	−16 32.2	1.707	2.708	3.6	19.3
5 21	15 43.41	−16 1.0	1.700	2.710	1.7	19.1
5 31	15 34.73	−15 32.6	1.721	2.713	5.6	19.4
6 10	15 27.26	−15 10.7	1.767	2.715	9.5	19.6
6 20	15 21.72	−14 57.5	1.837	2.718	13.0	19.9
267395 2001 YU_{154}			5 19.3 101°.99		2°.6/18.3 15	
4 11	16 16.62	−12 0.4	1.977	2.787	14.4	21.0
4 21	16 10.91	−12 4.1	1.910	2.807	11.3	20.8
5 1	16 2.93	−12 9.0	1.866	2.826	7.6	20.7
5 11	15 53.40	−12 16.4	1.848	2.845	4.0	20.5
5 21	15 43.21	−12 27.6	1.857	2.863	2.8	20.4
5 31	15 33.37	−12 43.9	1.895	2.881	5.8	20.6
6 10	15 24.82	−13 6.3	1.960	2.898	9.3	20.9
6 20	15 18.20	−13 35.0	2.049	2.915	12.5	21.1
51847 2001 OV_{88}			5 19.3 219°.44		1°.1/18.7 18	
4 11	16 10.39	−17 34.4	2.420	3.228	12.2	19.3
4 21	16 5.96	−17 19.5	2.326	3.223	9.5	19.1
5 1	15 59.63	−17 0.9	2.254	3.217	6.4	18.9
5 11	15 51.91	−16 39.7	2.210	3.210	3.0	18.7
5 21	15 43.50	−16 17.8	2.193	3.203	1.4	18.5
5 31	15 35.21	−15 57.6	2.206	3.196	4.6	18.7
6 10	15 27.81	−15 41.6	2.245	3.189	8.0	18.9
6 20	15 21.92	−15 31.9	2.309	3.182	11.0	19.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
311275 2005 EX_{247}			5 19.3 99°.27		1°.6/18.5 16	
	h m	° ′			°	m
4 11	16 14.12	−18 5.1	1.582	2.408	16.7	21.4
4 21	16 9.61	−17 36.0	1.514	2.421	13.0	21.2
5 1	16 2.37	−17 0.6	1.468	2.434	8.7	21.0
5 11	15 53.22	−16 21.5	1.445	2.446	4.1	20.7
5 21	15 43.25	−15 42.1	1.448	2.458	2.0	20.6
5 31	15 33.71	−15 6.8	1.478	2.470	6.3	20.9
6 10	15 25.72	−14 39.9	1.533	2.482	10.6	21.2
6 20	15 20.03	−14 24.1	1.610	2.493	14.4	21.4
134239 2005 YY_{144}			5 19.3 41°.89		6°.8/23.2 17	
4 11	16 13.52	−37 12.1	1.553	2.337	18.9	19.1
4 21	16 9.80	−37 37.6	1.488	2.352	15.8	18.9
5 1	16 2.81	−37 42.3	1.441	2.368	12.3	18.7
5 11	15 53.49	−37 23.0	1.415	2.384	8.9	18.5
5 21	15 43.19	−36 39.0	1.413	2.400	6.9	18.5
5 31	15 33.45	−35 34.4	1.435	2.417	7.7	18.6
6 10	15 25.63	−34 17.1	1.482	2.435	10.6	18.8
6 20	15 20.54	−32 56.0	1.551	2.453	13.8	19.0
510660 2012 TC_{293}			5 19.3 223°.49		2°.0/20.5 17	
4 11	16 11.45	−27 6.7	2.227	3.021	13.6	22.1
4 21	16 7.11	−27 4.8	2.133	3.016	10.8	21.9
5 1	16 0.56	−26 52.9	2.061	3.012	7.6	21.7
5 11	15 52.39	−26 30.5	2.014	3.007	4.2	21.5
5 21	15 43.41	−25 58.5	1.994	3.002	2.1	21.3
5 31	15 34.59	−25 19.4	2.003	2.997	4.6	21.5
6 10	15 26.86	−24 37.3	2.038	2.992	8.1	21.7
6 20	15 20.91	−23 56.5	2.098	2.987	11.3	21.9
279121 2009 OP_{22}			5 19.3 243°.73		2°.5/20.7 18	
4 11	16 14.78	−28 14.9	2.108	2.895	14.4	21.6
4 21	16 10.02	−28 12.7	1.999	2.878	11.7	21.4
5 1	16 2.73	−27 58.8	1.912	2.861	8.4	21.2
5 11	15 53.48	−27 32.2	1.851	2.842	4.8	20.9
5 21	15 43.17	−26 53.1	1.816	2.823	2.5	20.7
5 31	15 32.89	−26 4.1	1.810	2.804	5.1	20.9
6 10	15 23.75	−25 10.2	1.830	2.783	8.9	21.0
6 20	15 16.60	−24 16.7	1.876	2.762	12.5	21.2
127127 2002 GQ_{103}			5 19.3 109°.56		6°.7/15.2 17	
4 11	16 10.18	− 4 2.4	1.979	2.798	14.1	19.9
4 21	16 5.89	− 2 50.0	1.915	2.809	11.4	19.8
5 1	15 59.57	− 1 41.8	1.874	2.819	8.7	19.6
5 11	15 51.85	− 0 43.5	1.858	2.829	6.9	19.5
5 21	15 43.55	+ 0 0.2	1.868	2.839	7.1	19.5
5 31	15 35.55	+ 0 25.6	1.904	2.849	9.1	19.7
6 10	15 28.69	+ 0 31.5	1.964	2.858	11.7	19.9
6 20	15 23.54	+ 0 18.8	2.046	2.867	14.2	20.0
91080 1998 FX_{107}			5 19.3 21°.05		0°.1/19.3 18	
4 11	16 8.49	−24 18.6	1.486	2.318	17.3	18.4
4 21	16 5.54	−23 25.9	1.414	2.323	13.6	18.2
5 1	15 59.79	−22 18.4	1.362	2.329	9.2	17.9
5 11	15 52.07	−20 58.9	1.333	2.335	4.3	17.6
5 21	15 43.50	−19 32.5	1.330	2.342	0.9	17.4
5 31	15 35.35	−18 6.7	1.353	2.349	6.0	17.8
6 10	15 28.77	−16 49.0	1.400	2.358	10.6	18.1
6 20	15 24.50	−15 45.2	1.469	2.366	14.7	18.3
326182 2012 BF_{132}			5 19.3 35°.13		2°.7/18.4 17	
4 11	16 13.36	−13 58.2	1.393	2.232	17.9	20.2
4 21	16 9.49	−13 53.9	1.323	2.236	14.0	20.0
5 1	16 2.58	−13 49.0	1.273	2.241	9.5	19.7
5 11	15 53.43	−13 45.6	1.246	2.247	4.8	19.4
5 21	15 43.20	−13 46.2	1.244	2.252	3.0	19.3
5 31	15 33.31	−13 53.1	1.267	2.258	7.2	19.6
6 10	15 25.04	−14 8.6	1.313	2.264	11.8	19.9
6 20	15 19.29	−14 33.6	1.380	2.271	15.9	20.1
304769 2007 DV_{77}			5 19.3 167°.65		0°.5/18.9 18	
4 11	16 9.01	−19 25.7	2.976	3.774	10.4	22.2
4 21	16 4.46	−19 9.1	2.886	3.778	8.1	22.1
5 1	15 58.39	−18 48.2	2.822	3.781	5.4	21.9
5 11	15 51.28	−18 24.2	2.784	3.784	2.5	21.7
5 21	15 43.67	−17 58.4	2.776	3.787	0.8	21.5
5 31	15 36.21	−17 33.1	2.797	3.789	3.7	21.8
6 10	15 29.52	−17 10.3	2.847	3.791	6.5	22.0
6 20	15 24.06	−16 52.1	2.922	3.792	9.0	22.1
20112 1995 SD_{31}			5 19.3 115°.09		5°.3/16.3 18	
4 11	16 10.87	− 7 39.3	1.974	2.795	14.0	18.8
4 21	16 6.47	− 6 43.0	1.906	2.805	11.1	18.6
5 1	15 59.98	− 5 48.5	1.860	2.815	8.1	18.5
5 11	15 52.05	− 5 0.5	1.840	2.824	5.7	18.3
5 21	15 43.52	− 4 23.2	1.847	2.834	5.6	18.3
5 31	15 35.28	− 4 0.0	1.880	2.843	7.9	18.5
6 10	15 28.19	− 3 52.8	1.938	2.852	10.8	18.7
6 20	15 22.85	− 4 1.3	2.019	2.860	13.6	18.9

250273 2003 FA_{67} 5 19.3 6°.10 9°.7/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 5.30	+ 2 9.8	1.785	2.611	15.1	19.4
4 21	16 2.42	+ 3 43.6	1.724	2.611	12.8	19.2
5 1	15 57.40	+ 5 8.3	1.685	2.613	10.8	19.1
5 11	15 50.91	+ 6 16.3	1.669	2.615	9.7	19.0
5 21	15 43.75	+ 7 1.7	1.676	2.617	10.2	19.1
5 31	15 36.85	+ 7 20.6	1.707	2.621	11.9	19.2
6 10	15 31.08	+ 7 12.7	1.759	2.625	14.2	19.3
6 20	15 27.04	+ 6 40.2	1.830	2.630	16.4	19.5

382349 2013 TM_{73} 5 19.3 127°.31 0°.8/18.7 17

4 11	16 11.76	−21 7.6	2.076	2.886	13.9	20.8
4 21	16 7.16	−20 18.1	1.998	2.895	10.8	20.6
5 1	16 0.44	−19 19.9	1.942	2.905	7.2	20.4
5 11	15 52.26	−18 15.5	1.913	2.914	3.3	20.2
5 21	15 43.48	−17 8.5	1.912	2.923	1.3	20.0
5 31	15 35.03	−16 3.6	1.940	2.932	5.0	20.3
6 10	15 27.77	−15 5.6	1.994	2.940	8.8	20.5
6 20	15 22.31	−14 18.0	2.073	2.948	12.0	20.8

37504 3052 $T\text{-}_{2}$ 5 19.3 144°.62 1°.3/18.4 18

4 11	16 9.68	−16 18.2	2.963	3.763	10.4	20.5
4 21	16 4.91	−15 58.3	2.881	3.774	8.0	20.3
5 1	15 58.65	−15 35.8	2.825	3.785	5.4	20.2
5 11	15 51.38	−15 12.1	2.796	3.795	2.6	20.0
5 21	15 43.66	−14 48.9	2.796	3.804	1.5	19.9
5 31	15 36.14	−14 28.3	2.826	3.813	4.0	20.1
6 10	15 29.39	−14 12.2	2.884	3.822	6.7	20.3
6 20	15 23.87	−14 1.9	2.968	3.830	9.2	20.5

433403 2013 TP_{28} 5 19.3 173°.54 1°.3/18.6 17

4 11	16 11.70	−18 29.5	2.035	2.850	13.9	22.1
4 21	16 7.27	−17 58.9	1.951	2.851	10.9	21.9
5 1	16 0.63	−17 22.2	1.889	2.853	7.3	21.7
5 11	15 52.41	−16 41.6	1.853	2.854	3.4	21.4
5 21	15 43.46	−16 0.0	1.845	2.855	1.6	21.3
5 31	15 34.73	−15 20.9	1.864	2.855	5.3	21.6
6 10	15 27.15	−14 48.1	1.910	2.855	9.1	21.8
6 20	15 21.37	−14 24.4	1.979	2.855	12.5	22.0

75088 1999 VV_{29} 5 19.3 210°.41 0°.4/19.5 17

4 11	16 14.93	−22 4.9	2.015	2.818	14.4	19.9
4 21	16 10.01	−21 55.8	1.919	2.812	11.4	19.7
5 1	16 2.63	−21 38.9	1.846	2.805	7.8	19.4
5 11	15 53.41	−21 14.7	1.798	2.798	3.7	19.2
5 21	15 43.25	−20 44.6	1.778	2.790	0.8	18.9
5 31	15 33.21	−20 11.5	1.786	2.781	5.0	19.2
6 10	15 24.35	−19 39.5	1.821	2.771	9.1	19.4
6 20	15 17.46	−19 12.3	1.880	2.761	12.7	19.6

413034 2000 YM_{23} 5 19.3 189°.44 0°.2/19.4 17

4 11	16 15.43	−21 43.7	1.945	2.750	14.8	22.8
4 21	16 10.40	−21 30.8	1.855	2.749	11.7	22.6
5 1	16 2.88	−21 9.9	1.788	2.748	7.9	22.3
5 11	15 53.51	−20 41.8	1.746	2.746	3.7	22.1
5 21	15 43.23	−20 8.2	1.732	2.743	0.7	21.8
5 31	15 33.16	−19 32.5	1.745	2.740	5.1	22.1
6 10	15 24.35	−18 58.8	1.786	2.736	9.3	22.4
6 20	15 17.57	−18 31.0	1.850	2.731	12.9	22.6

380894 2006 DE_{90} 5 19.3 201°.91 1°.1/18.7 17

4 11	16 11.49	−18 15.4	2.156	2.968	13.3	21.5
4 21	16 7.04	−17 54.0	2.067	2.966	10.4	21.3
5 1	16 0.47	−17 27.4	2.000	2.963	7.0	21.1
5 11	15 52.35	−16 57.4	1.959	2.960	3.3	20.8
5 21	15 43.49	−16 26.1	1.946	2.956	1.4	20.7
5 31	15 34.78	−15 56.7	1.961	2.952	5.0	20.9
6 10	15 27.13	−15 32.3	2.003	2.948	8.7	21.1
6 20	15 21.19	−15 15.5	2.068	2.944	12.0	21.3

234828 2002 RG_{89} 5 19.3 29°.42 3°.9/17.2 17

4 11	16 9.00	−11 51.3	1.841	2.671	14.5	19.9
4 21	16 5.30	−11 8.9	1.766	2.674	11.4	19.7
5 1	15 59.37	−10 25.3	1.714	2.677	7.9	19.5
5 11	15 51.85	− 9 44.4	1.686	2.681	4.7	19.3
5 21	15 43.61	− 9 10.0	1.685	2.685	4.2	19.3
5 31	15 35.61	− 8 46.0	1.709	2.689	7.0	19.4
6 10	15 28.80	− 8 34.7	1.759	2.693	10.5	19.6
6 20	15 23.82	− 8 37.3	1.831	2.697	13.7	19.9

304530 2006 UG_{267} 5 19.3 159°.76 1°.6/20.2 17

4 11	16 11.83	−25 10.0	2.645	3.433	11.8	21.2
4 21	16 6.98	−25 22.7	2.556	3.437	9.4	21.0
5 1	16 0.27	−25 28.7	2.489	3.440	6.5	20.9
5 11	15 52.22	−25 27.6	2.450	3.444	3.5	20.7
5 21	15 43.53	−25 19.6	2.438	3.447	1.6	20.5
5 31	15 34.98	−25 6.2	2.456	3.450	3.9	20.7
6 10	15 27.33	−24 49.9	2.502	3.453	6.9	20.9
6 20	15 21.19	−24 33.5	2.573	3.455	9.7	21.1

86495 2000 DT_{21} 5 19.3 325°.37 1°.5/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 6.54	−19 46.9	1.091	1.953	20.1	18.8
4 21	16 5.29	−19 16.6	1.009	1.936	16.0	18.5
5 1	16 0.46	−18 34.1	0.944	1.919	10.9	18.2
5 11	15 52.74	−17 41.9	0.900	1.903	5.1	17.8
5 21	15 43.38	−16 45.0	0.877	1.888	2.1	17.5
5 31	15 34.09	−15 50.7	0.877	1.874	8.1	17.8
6 10	15 26.58	−15 7.0	0.897	1.862	14.0	18.1
6 20	15 22.08	−14 39.7	0.935	1.850	19.3	18.4

38491 1999 TO_{117} 5 19.3 117°.39 2°.3/20.8 18

4 11	16 10.52	−28 9.0	2.529	3.314	12.4	19.4
4 21	16 6.08	−28 15.1	2.443	3.320	9.9	19.2
5 1	15 59.71	−28 12.1	2.380	3.326	7.0	19.0
5 11	15 51.97	−27 59.5	2.342	3.332	4.1	18.8
5 21	15 43.60	−27 37.9	2.332	3.337	2.3	18.7
5 31	15 35.42	−27 9.1	2.350	3.343	4.2	18.9
6 10	15 28.23	−26 36.5	2.396	3.348	7.1	19.0
6 20	15 22.60	−26 3.5	2.467	3.354	9.9	19.2

54626 2000 SJ_{49} 5 19.3 249°.92 0°.8/18.4 18

4 11	16 1.54	−17 13.4	4.491	5.292	7.1	19.7
4 21	15 58.27	−16 49.9	4.394	5.288	5.5	19.6
5 1	15 54.08	−16 24.2	4.323	5.284	3.6	19.4
5 11	15 49.27	−15 57.2	4.280	5.280	1.7	19.3
5 21	15 44.16	−15 30.3	4.266	5.275	1.0	19.2
5 31	15 39.13	−15 4.9	4.283	5.271	2.7	19.4
6 10	15 34.53	−14 42.3	4.328	5.267	4.6	19.5
6 20	15 30.65	−14 23.7	4.400	5.263	6.4	19.6

303806 2005 SY_{50} 5 19.3 1°.75 5°.1/21.5 16

4 11	16 14.48	−32 48.3	2.223	2.994	14.3	20.7
4 21	16 9.79	−33 46.0	2.134	2.994	11.8	20.5
5 1	16 2.59	−34 33.7	2.066	2.994	9.1	20.4
5 11	15 53.46	−35 8.0	2.023	2.994	6.5	20.2
5 21	15 43.28	−35 26.7	2.006	2.994	5.1	20.1
5 31	15 33.15	−35 29.8	2.016	2.994	6.2	20.2
6 10	15 24.18	−35 20.0	2.053	2.995	8.8	20.3
6 20	15 17.20	−35 1.8	2.114	2.996	11.5	20.5

475191 2005 UP_{516} 5 19.3 264°.01 3°.0/17.3 16

4 11	16 7.94	−12 53.4	2.416	3.232	11.9	22.1
4 21	16 4.07	−12 11.3	2.319	3.220	9.3	21.9
5 1	15 58.38	−11 26.8	2.247	3.208	6.4	21.7
5 11	15 51.38	−10 42.8	2.200	3.195	3.7	21.5
5 21	15 43.72	−10 2.4	2.182	3.183	3.3	21.4
5 31	15 36.15	− 9 28.9	2.192	3.170	5.8	21.6
6 10	15 29.42	− 9 5.0	2.228	3.157	8.8	21.7
6 20	15 24.11	− 8 52.3	2.288	3.144	11.7	21.9

310616 2002 AX 5 19.3 228°.01 1°.3/18.7 15

4 11	16 18.13	−16 49.7	2.186	2.985	13.6	22.6
4 21	16 12.39	−16 40.2	2.077	2.968	10.7	22.3
5 1	16 4.23	−16 27.2	1.991	2.951	7.3	22.1
5 11	15 54.21	−16 11.5	1.932	2.932	3.5	21.8
5 21	15 43.13	−15 54.7	1.902	2.911	1.6	21.6
5 31	15 32.01	−15 39.3	1.901	2.890	5.4	21.8
6 10	15 21.90	−15 27.9	1.927	2.867	9.4	22.0
6 20	15 13.61	−15 23.1	1.979	2.844	12.9	22.2

198391 2004 VQ_{40} 5 19.3 76°.97 1°.4/18.5 17

4 11	16 10.64	−18 27.5	1.844	2.667	14.8	20.3
4 21	16 6.65	−17 56.2	1.767	2.672	11.5	20.1
5 1	16 0.30	−17 18.5	1.712	2.677	7.7	19.9
5 11	15 52.30	−16 37.0	1.682	2.683	3.6	19.6
5 21	15 43.55	−15 54.8	1.678	2.688	1.8	19.5
5 31	15 35.08	−15 15.9	1.702	2.694	5.6	19.8
6 10	15 27.86	−14 44.2	1.751	2.699	9.6	20.0
6 20	15 22.59	−14 22.6	1.824	2.705	13.1	20.2

132473 2002 JN_{12} 5 19.3 11°.93 1°.4/18.7 17

4 11	16 7.78	−19 22.4	1.120	1.979	20.0	19.7
4 21	16 5.82	−18 55.2	1.056	1.981	15.6	19.5
5 1	16 0.45	−18 18.3	1.011	1.985	10.5	19.2
5 11	15 52.57	−17 34.8	0.986	1.989	4.9	18.9
5 21	15 43.49	−16 49.6	0.984	1.995	2.0	18.7
5 31	15 34.84	−16 8.7	1.004	2.001	7.4	19.1
6 10	15 28.09	−15 38.3	1.046	2.009	12.7	19.4
6 20	15 24.15	−15 22.1	1.108	2.018	17.4	19.7

75709 2000 AB_{118} 5 19.3 28°.50 3°.3/21.4 18

4 11	16 11.50	−31 12.8	1.985	2.774	15.1	19.2
4 21	16 7.45	−31 2.7	1.898	2.775	12.3	19.0
5 1	16 0.92	−30 37.8	1.831	2.776	8.9	18.8
5 11	15 52.62	−29 57.4	1.789	2.776	5.5	18.6
5 21	15 43.48	−29 2.7	1.773	2.777	3.3	18.5
5 31	15 34.63	−27 57.4	1.784	2.777	5.2	18.6
6 10	15 27.10	−26 47.4	1.822	2.778	8.7	18.8
6 20	15 21.61	−25 38.8	1.884	2.779	12.1	19.0

179433 2002 AZ_{76} 5 19.3 168°.66 3°.8/21.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 11.80	−33 15.4	2.539	3.305	12.8	20.9
4 21	16 7.21	−33 26.7	2.447	3.306	10.5	20.7
5 1	16 0.54	−33 26.1	2.378	3.308	7.9	20.5
5 11	15 52.39	−33 12.4	2.333	3.309	5.4	20.4
5 21	15 43.53	−32 45.3	2.315	3.310	3.9	20.3
5 31	15 34.86	−32 6.8	2.326	3.311	4.9	20.4
6 10	15 27.23	−31 20.7	2.364	3.312	7.4	20.5
6 20	15 21.29	−30 31.3	2.427	3.312	10.1	20.7

389785 2011 UV_{51} 5 19.3 334°.46 3°.0/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 6.75	−14 53.0	1.985	2.814	13.7	20.1
4 21	16 3.51	−13 59.7	1.899	2.808	10.7	19.9
5 1	15 58.17	−13 1.5	1.836	2.801	7.3	19.7
5 11	15 51.33	−12 2.3	1.798	2.796	4.0	19.5
5 21	15 43.76	−11 6.2	1.786	2.790	3.4	19.4
5 31	15 36.36	−10 17.8	1.802	2.785	6.4	19.6
6 10	15 30.01	− 9 41.0	1.843	2.780	9.9	19.8
6 20	15 25.35	− 9 17.8	1.907	2.776	13.2	20.0

510632 2012 TT_{177} 5 19.3 255°.59 0°.7/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 2.36	−24 21.3	4.512	5.297	7.3	22.1
4 21	15 58.94	−24 11.9	4.412	5.293	5.7	22.0
5 1	15 54.56	−23 58.2	4.336	5.289	3.9	21.9
5 11	15 49.51	−23 40.5	4.289	5.285	2.0	21.7
5 21	15 44.14	−23 19.6	4.271	5.281	0.7	21.6
5 31	15 38.85	−22 56.8	4.283	5.277	2.4	21.7
6 10	15 34.00	−22 33.5	4.323	5.273	4.3	21.9
6 20	15 29.92	−22 11.1	4.391	5.269	6.1	22.0

499592 2010 TV_{65} 5 19.3 232°.43 0°.5/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 14.32	−20 41.0	1.927	2.737	14.8	22.5
4 21	16 9.69	−20 16.4	1.828	2.725	11.6	22.3
5 1	16 2.52	−19 43.6	1.750	2.712	7.9	22.0
5 11	15 53.43	−19 3.7	1.697	2.698	3.7	21.8
5 21	15 43.32	−18 19.0	1.672	2.683	1.0	21.5
5 31	15 33.28	−17 33.6	1.675	2.668	5.5	21.8
6 10	15 24.43	−16 52.1	1.704	2.652	9.8	22.0
6 20	15 17.58	−16 18.6	1.757	2.636	13.6	22.2

472222 2014 FN_{4} 5 19.3 130°.75 3°.3/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 9.91	−10 38.5	2.336	3.151	12.3	21.8
4 21	16 5.51	−10 13.3	2.258	3.156	9.7	21.6
5 1	15 59.28	− 9 48.8	2.202	3.161	6.7	21.4
5 11	15 51.77	− 9 27.3	2.173	3.166	4.0	21.3
5 21	15 43.68	− 9 11.5	2.172	3.171	3.5	21.2
5 31	15 35.78	− 9 3.5	2.198	3.175	5.9	21.4
6 10	15 28.82	− 9 4.9	2.251	3.180	8.8	21.6
6 20	15 23.35	− 9 16.3	2.328	3.184	11.6	21.8

510360 2011 SD_{248} 5 19.3 245°.08 3°.6/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 13.05	−31 29.4	2.621	3.388	12.4	23.0
4 21	16 8.27	−31 50.8	2.512	3.373	10.2	22.8
5 1	16 1.36	−32 2.4	2.425	3.358	7.6	22.6
5 11	15 52.84	−32 2.4	2.363	3.343	5.0	22.4
5 21	15 43.44	−31 50.2	2.329	3.326	3.6	22.3
5 31	15 34.05	−31 26.8	2.324	3.310	4.9	22.3
6 10	15 25.57	−30 55.1	2.346	3.293	7.6	22.5
6 20	15 18.71	−30 19.2	2.394	3.276	10.3	22.6

206930 2004 RU_{30} 5 19.3 230°.30 3°.6/20.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 16.48	−28 39.5	1.603	2.406	17.6	21.4
4 21	16 12.15	−28 57.4	1.512	2.399	14.3	21.1
5 1	16 4.59	−29 2.4	1.441	2.392	10.3	20.8
5 11	15 54.52	−28 52.0	1.393	2.384	6.2	20.6
5 21	15 43.09	−28 25.5	1.370	2.375	3.6	20.4
5 31	15 31.78	−27 45.5	1.373	2.367	6.3	20.5
6 10	15 22.06	−26 57.8	1.401	2.358	10.7	20.8
6 20	15 14.97	−26 9.5	1.451	2.348	14.8	21.0

420206 2011 GB_{81} 5 19.3 63°.44 7°.9/16.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 12.39	− 1 7.0	1.669	2.490	16.2	21.5
4 21	16 7.87	− 0 16.0	1.618	2.510	13.2	21.3
5 1	16 1.00	+ 0 25.8	1.588	2.529	10.3	21.2
5 11	15 52.57	+ 0 52.5	1.581	2.549	8.2	21.1
5 21	15 43.53	+ 1 0.4	1.599	2.569	8.2	21.1
5 31	15 34.96	+ 0 47.4	1.642	2.589	10.1	21.3
6 10	15 27.78	+ 0 14.2	1.709	2.609	12.8	21.5
6 20	15 22.61	− 0 36.4	1.796	2.628	15.4	21.7

435808 2008 VL_{65} 5 19.3 263°.53 1°.1/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 10.16	−19 28.7	1.935	2.754	14.4	21.8
4 21	16 6.30	−18 55.8	1.846	2.749	11.2	21.6
5 1	16 0.12	−18 15.4	1.779	2.744	7.5	21.4
5 11	15 52.27	−17 29.8	1.737	2.739	3.5	21.1
5 21	15 43.58	−16 41.9	1.723	2.733	1.5	21.0
5 31	15 35.08	−15 55.8	1.735	2.728	5.4	21.2
6 10	15 27.73	−15 16.0	1.774	2.722	9.4	21.4
6 20	15 22.25	−14 45.8	1.836	2.717	13.0	21.7

203999 2003 TZ_{20} 5 19.3 191°.17 2°.3/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 11.32	−13 42.2	2.430	3.239	12.1	21.1
4 21	16 6.61	−13 18.6	2.341	3.238	9.5	20.9
5 1	16 0.05	−12 53.3	2.276	3.236	6.4	20.7
5 11	15 52.15	−12 28.4	2.237	3.234	3.4	20.5
5 21	15 43.61	−12 6.2	2.226	3.231	2.6	20.5
5 31	15 35.22	−11 49.1	2.245	3.228	5.3	20.6
6 10	15 27.74	−11 39.2	2.290	3.225	8.4	20.8
6 20	15 21.74	−11 38.0	2.360	3.220	11.3	21.0

128448 2004 NU_{23} 5 19.3 210°.54 6°.5/24.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 14.73	−44 43.2	2.987	3.683	12.5	20.2
4 21	16 9.54	−45 7.3	2.886	3.678	10.9	20.0
5 1	16 2.14	−45 16.3	2.805	3.672	9.2	19.9
5 11	15 53.16	−45 7.3	2.747	3.666	7.6	19.8
5 21	15 43.41	−44 39.2	2.715	3.660	6.6	19.7
5 31	15 33.84	−43 52.7	2.710	3.654	6.8	19.7
6 10	15 25.38	−42 51.4	2.732	3.647	8.0	19.8
6 20	15 18.69	−41 40.2	2.778	3.640	9.7	19.9

84003 2002 NA_{52} 5 19.3 220°.22 3°.0/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 13.82	−13 25.0	2.084	2.897	13.7	21.0
4 21	16 8.98	−12 51.9	1.989	2.887	10.8	20.8
5 1	16 1.87	−12 16.3	1.916	2.877	7.4	20.5
5 11	15 53.09	−11 40.8	1.869	2.865	4.1	20.3
5 21	15 43.44	−11 8.6	1.850	2.853	3.3	20.2
5 31	15 33.88	−10 43.0	1.859	2.841	6.3	20.4
6 10	15 25.37	−10 27.1	1.894	2.827	9.9	20.6
6 20	15 18.63	−10 22.5	1.954	2.813	13.3	20.8

398719 2012 XS_{101} 5 19.3 76°.00 1°.0/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 12.33	−22 5.7	2.156	2.961	13.6	20.7
4 21	16 7.81	−22 24.1	2.070	2.962	10.7	20.5
5 1	16 1.07	−22 37.2	2.006	2.964	7.3	20.3
5 11	15 52.71	−22 44.5	1.967	2.966	3.6	20.1
5 21	15 43.52	−22 46.3	1.956	2.968	1.1	19.9
5 31	15 34.48	−22 44.0	1.974	2.969	4.5	20.1
6 10	15 26.52	−22 39.9	2.018	2.971	8.2	20.4
6 20	15 20.34	−22 36.9	2.086	2.973	11.4	20.6

501350 2013 YO_{15} 5 19.3 249°.90 3°.6/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 14.00	−10 9.3	2.100	2.911	13.6	21.6
4 21	16 9.18	− 9 54.1	1.998	2.895	10.8	21.4
5 1	16 2.08	− 9 40.1	1.919	2.877	7.6	21.2
5 11	15 53.24	− 9 29.8	1.866	2.859	4.6	20.9
5 21	15 43.42	− 9 25.8	1.841	2.841	3.9	20.9
5 31	15 33.60	− 9 30.3	1.843	2.822	6.6	21.0
6 10	15 24.75	− 9 44.8	1.872	2.803	10.2	21.2
6 20	15 17.63	−10 10.1	1.925	2.783	13.5	21.3

311585 2006 HN_{71} 5 19.3 139°.56 2°.8/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 16.08	−13 58.2	1.695	2.515	16.0	21.3
4 21	16 11.03	−13 37.9	1.622	2.525	12.5	21.1
5 1	16 3.34	−13 15.7	1.570	2.533	8.5	20.9
5 11	15 53.77	−12 54.2	1.543	2.542	4.4	20.7
5 21	15 43.34	−12 36.4	1.543	2.549	3.1	20.6
5 31	15 33.24	−12 25.1	1.570	2.557	6.7	20.8
6 10	15 24.57	−12 23.1	1.622	2.563	10.7	21.1
6 20	15 18.10	−12 31.6	1.697	2.569	14.3	21.3

297728 2001 WD_{34} 5 19.3 204°.54 1°.8/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 10.92	−14 16.2	2.594	3.401	11.5	21.5
4 21	16 6.24	−14 8.9	2.502	3.397	9.0	21.4
5 1	15 59.79	−14 0.6	2.433	3.393	6.1	21.2
5 11	15 52.05	−13 52.5	2.391	3.389	3.1	21.0
5 21	15 43.69	−13 46.2	2.377	3.385	2.0	20.9
5 31	15 35.42	−13 43.3	2.393	3.380	4.7	21.0
6 10	15 27.98	−13 45.5	2.436	3.375	7.7	21.2
6 20	15 21.93	−13 53.9	2.505	3.369	10.5	21.4

286873 2002 OU_{19} 5 19.3 324°.46 0°.2/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 7.16	−23 42.3	1.620	2.449	16.2	20.2
4 21	16 4.58	−22 53.5	1.526	2.434	12.8	19.9
5 1	15 59.31	−21 50.0	1.452	2.418	8.7	19.6
5 11	15 52.02	−20 33.9	1.402	2.404	4.1	19.3
5 21	15 43.68	−19 9.5	1.378	2.390	0.9	19.0
5 31	15 35.50	−17 43.5	1.380	2.376	5.9	19.3
6 10	15 28.66	−16 23.5	1.407	2.364	10.7	19.6
6 20	15 23.98	−15 15.9	1.455	2.352	14.9	19.8

429857 2012 RG_{20} 5 19.3 271°.36 2°.4/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 11.87	−27 9.5	1.933	2.735	15.0	21.2
4 21	16 7.89	−27 12.0	1.839	2.727	12.1	20.9
5 1	16 1.37	−27 3.5	1.766	2.719	8.6	20.7
5 11	15 52.93	−26 43.2	1.717	2.711	4.8	20.4
5 21	15 43.50	−26 11.7	1.694	2.703	2.4	20.3
5 31	15 34.20	−25 31.7	1.699	2.694	5.1	20.4
6 10	15 26.13	−24 47.9	1.729	2.686	9.0	20.6
6 20	15 20.11	−24 5.6	1.784	2.678	12.7	20.8

430284 2013 WM_{62} 5 19.3 134°.90 0°.4/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 12.25	−23 30.2	2.149	2.951	13.7	21.8
4 21	16 7.60	−23 1.9	2.068	2.960	10.7	21.6
5 1	16 0.81	−22 24.3	2.010	2.969	7.3	21.4
5 11	15 52.54	−21 38.8	1.978	2.977	3.4	21.2
5 21	15 43.62	−20 47.8	1.973	2.985	0.7	21.0
5 31	15 35.00	−19 55.1	1.997	2.992	4.5	21.3
6 10	15 27.54	−19 5.1	2.048	2.999	8.2	21.5
6 20	15 21.88	−18 21.7	2.124	3.006	11.5	21.7

507904 2014 UB_{148} 5 19.3 312°.76 1°.9/19.8 17

4 11	16 12.28	−21 50.6	1.239	2.081	19.5	20.8
4 21	16 9.78	−22 27.0	1.148	2.061	15.7	20.5
5 1	16 3.62	−22 58.4	1.075	2.042	11.0	20.2
5 11	15 54.37	−23 22.9	1.022	2.022	5.6	19.8
5 21	15 43.18	−23 38.8	0.993	2.004	2.0	19.5
5 31	15 31.77	−23 46.9	0.987	1.986	7.1	19.8
6 10	15 21.99	−23 50.6	1.003	1.968	12.9	20.0
6 20	15 15.23	−23 54.8	1.039	1.952	18.0	20.3

196676 2003 SQ_{59} 5 19.3 168°.90 3°.8/21.7 18

4 11	16 15.39	−32 44.1	2.666	3.423	12.5	21.3
4 21	16 9.91	−33 5.1	2.574	3.428	10.2	21.2
5 1	16 2.34	−33 15.4	2.504	3.432	7.7	21.0
5 11	15 53.27	−33 13.2	2.461	3.436	5.2	20.9
5 21	15 43.47	−32 58.1	2.445	3.439	3.8	20.8
5 31	15 33.84	−32 31.5	2.458	3.441	4.9	20.8
6 10	15 25.23	−31 56.5	2.498	3.443	7.3	21.0
6 20	15 18.32	−31 17.5	2.565	3.444	9.9	21.2

435663 2008 SJ_{288} 5 19.3 76°.15 1°.5/18.6 17

4 11	16 11.65	−16 35.9	1.906	2.726	14.5	21.3
4 21	16 7.44	−16 26.2	1.825	2.728	11.3	21.1
5 1	16 0.89	−16 13.1	1.766	2.730	7.6	20.9
5 11	15 52.66	−15 58.3	1.732	2.732	3.6	20.6
5 21	15 43.60	−15 43.9	1.724	2.734	1.8	20.5
5 31	15 34.75	−15 32.4	1.744	2.736	5.5	20.7
6 10	15 27.09	−15 26.5	1.790	2.738	9.4	21.0
6 20	15 21.32	−15 28.0	1.859	2.740	12.9	21.2

117265 2004 TH_{1} 5 19.3 311°.73 0°.0/19.3 18

4 11	16 8.29	−20 53.4	2.149	2.964	13.3	19.6
4 21	16 4.76	−20 44.9	2.050	2.950	10.4	19.4
5 1	15 59.10	−20 30.1	1.973	2.936	7.1	19.1
5 11	15 51.85	−20 9.9	1.922	2.923	3.3	18.9
5 21	15 43.75	−19 45.8	1.897	2.909	0.7	18.6
5 31	15 35.72	−19 20.4	1.901	2.896	4.7	18.9
6 10	15 28.66	−18 57.0	1.930	2.883	8.5	19.1
6 20	15 23.26	−18 38.6	1.983	2.871	11.9	19.3

183877 2004 CH_{51} 5 19.3 164°.69 4°.4/16.8 18

4 11	16 10.34	− 7 13.5	2.403	3.213	12.2	20.5
4 21	16 5.81	− 6 40.8	2.323	3.216	9.7	20.3
5 1	15 59.49	− 6 10.5	2.267	3.219	7.0	20.1
5 11	15 51.92	− 5 45.8	2.237	3.222	4.8	20.0
5 21	15 43.77	− 5 29.3	2.235	3.224	4.6	20.0
5 31	15 35.80	− 5 23.4	2.261	3.226	6.6	20.1
6 10	15 28.73	− 5 29.3	2.313	3.227	9.3	20.3
6 20	15 23.12	− 5 46.9	2.388	3.229	11.8	20.5

245533 2005 SV_{219} 5 19.3 227°.12 6°.3/14.3 18

4 11	16 8.05	+ 1 12.4	2.884	3.679	10.8	20.8
4 21	16 3.79	+ 2 6.3	2.798	3.669	9.0	20.7
5 1	15 58.04	+ 2 54.7	2.735	3.658	7.3	20.5
5 11	15 51.23	+ 3 33.7	2.698	3.647	6.3	20.5
5 21	15 43.90	+ 3 59.9	2.689	3.635	6.6	20.4
5 31	15 36.66	+ 4 11.2	2.706	3.623	7.9	20.5
6 10	15 30.11	+ 4 6.5	2.748	3.611	9.7	20.6
6 20	15 24.73	+ 3 46.6	2.814	3.598	11.6	20.7

512513 2016 RT_{25} 5 19.3 177°.58 1°.3/19.9 17

4 11	16 13.74	−22 24.0	2.181	2.981	13.6	22.0
4 21	16 8.94	−22 50.9	2.092	2.982	10.7	21.9
5 1	16 1.88	−23 12.9	2.025	2.982	7.4	21.6
5 11	15 53.13	−23 29.0	1.985	2.982	3.7	21.4
5 21	15 43.52	−23 39.1	1.972	2.982	1.3	21.2
5 31	15 34.00	−23 44.0	1.987	2.982	4.6	21.5
6 10	15 25.56	−23 46.1	2.030	2.982	8.2	21.7
6 20	15 18.92	−23 47.8	2.097	2.982	11.5	21.9

422669 1999 UF_{43} 5 19.3 254°.51 3°.0/20.7 17

4 11	16 16.82	−28 12.6	1.988	2.776	15.2	22.4
4 21	16 11.98	−28 24.3	1.874	2.753	12.3	22.2
5 1	16 4.34	−28 25.2	1.782	2.729	8.9	21.9
5 11	15 54.45	−28 13.1	1.714	2.705	5.2	21.7
5 21	15 43.23	−27 47.4	1.673	2.679	3.0	21.5
5 31	15 31.89	−27 9.9	1.660	2.653	5.6	21.6
6 10	15 21.72	−26 25.0	1.674	2.626	9.6	21.7
6 20	15 13.69	−25 38.7	1.711	2.599	13.5	21.9

87095 2000 LO_{7} 5 19.3 295°.36 1°.3/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 9.72	−21 6.5	1.647	2.475	16.1	19.0
4 21	16 6.63	−20 12.0	1.543	2.451	12.7	18.7
5 1	16 0.78	−19 4.2	1.460	2.427	8.6	18.4
5 11	15 52.78	−17 45.3	1.400	2.402	4.0	18.1
5 21	15 43.58	−16 20.1	1.367	2.378	1.8	17.9
5 31	15 34.39	−14 55.3	1.360	2.353	6.6	18.1
6 10	15 26.45	−13 38.6	1.378	2.329	11.4	18.3
6 20	15 20.70	−12 36.1	1.418	2.305	15.8	18.5

394688 2008 CB_{151} 5 19.3 68°.33 0°.8/19.8 17

4 11	16 9.82	−23 27.5	2.241	3.045	13.1	21.4
4 21	16 5.69	−23 19.1	2.160	3.053	10.3	21.3
5 1	15 59.55	−23 3.1	2.102	3.061	7.0	21.1
5 11	15 51.98	−22 40.1	2.070	3.069	3.4	20.8
5 21	15 43.77	−22 11.5	2.065	3.077	0.9	20.7
5 31	15 35.80	−21 40.1	2.088	3.084	4.3	20.9
6 10	15 28.88	−21 9.2	2.139	3.092	7.8	21.2
6 20	15 23.63	−20 42.1	2.213	3.100	10.9	21.4

470797 2008 UV_{359} 5 19.3 71°.01 1°.2/18.6 17

4 11	16 9.92	−19 55.4	1.926	2.746	14.4	21.2
4 21	16 6.00	−19 11.3	1.849	2.752	11.2	21.0
5 1	15 59.85	−18 19.1	1.793	2.758	7.5	20.8
5 11	15 52.14	−17 21.6	1.763	2.765	3.5	20.6
5 21	15 43.74	−16 22.4	1.761	2.771	1.6	20.4
5 31	15 35.65	−15 26.3	1.785	2.777	5.4	20.7
6 10	15 28.76	−14 37.8	1.836	2.784	9.2	21.0
6 20	15 23.73	−14 0.1	1.910	2.790	12.6	21.2

167726 2004 VQ_{44} 5 19.3 351°.75 2°.8/17.9 17

4 11	16 9.70	−17 57.7	1.275	2.123	18.6	19.4
4 21	16 7.00	−17 1.8	1.202	2.121	14.6	19.2
5 1	16 1.13	−15 55.8	1.148	2.119	9.9	18.9
5 11	15 52.92	−14 44.2	1.116	2.117	4.9	18.6
5 21	15 43.57	−13 33.4	1.108	2.116	3.3	18.5
5 31	15 34.55	−12 30.9	1.124	2.116	7.9	18.7
6 10	15 27.23	−11 43.4	1.163	2.115	12.9	19.0
6 20	15 22.51	−11 14.5	1.222	2.116	17.3	19.3

13155 1995 SB_{1} 5 19.3 208°.35 1°.4/18.2 18

4 11	16 15.02	−20 59.1	2.180	2.980	13.6	19.2
4 21	16 9.77	−19 45.0	2.080	2.973	10.6	19.0
5 1	16 2.31	−18 19.5	2.005	2.966	7.1	18.8
5 11	15 53.28	−16 45.6	1.957	2.957	3.4	18.5
5 21	15 43.51	−15 8.1	1.939	2.948	1.9	18.4
5 31	15 33.97	−13 32.9	1.950	2.938	5.5	18.6
6 10	15 25.56	−12 6.4	1.991	2.927	9.3	18.8
6 20	15 18.96	−10 53.1	2.056	2.915	12.7	19.0

328198 2008 EN_{25} 5 19.3 332°.86 2°.9/18.4 17

4 11	16 11.71	−13 27.1	1.437	2.277	17.4	20.2
4 21	16 8.33	−13 22.8	1.356	2.270	13.7	19.9
5 1	16 1.98	−13 18.4	1.295	2.263	9.4	19.7
5 11	15 53.34	−13 16.2	1.257	2.257	4.9	19.4
5 21	15 43.48	−13 18.7	1.243	2.251	3.2	19.3
5 31	15 33.75	−13 28.3	1.254	2.245	7.3	19.5
6 10	15 25.48	−13 47.2	1.289	2.241	11.9	19.7
6 20	15 19.64	−14 16.2	1.345	2.236	16.2	20.0

351929 2006 TH_{18} 5 19.3 222°.32 3°.5/20.9 18

4 11	16 15.35	−29 34.2	2.580	3.350	12.5	21.8
4 21	16 10.09	−30 17.4	2.479	3.344	10.2	21.6
5 1	16 2.64	−30 53.1	2.400	3.337	7.6	21.5
5 11	15 53.51	−31 19.1	2.348	3.329	4.9	21.3
5 21	15 43.45	−31 33.8	2.324	3.321	3.5	21.2
5 31	15 33.38	−31 37.5	2.328	3.313	4.9	21.3
6 10	15 24.23	−31 32.3	2.361	3.305	7.6	21.4
6 20	15 16.73	−31 21.5	2.418	3.296	10.4	21.6

1499 Pori 5 19.3 302°.22 0°.2/19.4 18

4 11	16 9.19	−24 23.6	1.719	2.540	15.8	15.5
4 21	16 6.10	−23 37.6	1.617	2.520	12.6	15.2
5 1	16 0.34	−22 36.9	1.536	2.500	8.6	14.9
5 11	15 52.54	−21 22.8	1.479	2.480	4.1	14.6
5 21	15 43.65	−19 59.0	1.449	2.461	0.8	14.3
5 31	15 34.86	−18 31.7	1.445	2.441	5.7	14.6
6 10	15 27.34	−17 8.5	1.466	2.422	10.4	14.8
6 20	15 21.95	−15 56.1	1.511	2.404	14.6	15.0

349825 2009 BO_{186} 5 19.3 346°.15 1°.3/18.8 17

4 11	16 8.38	−17 1.6	1.670	2.504	15.6	20.0
4 21	16 5.35	−16 58.1	1.586	2.497	12.2	19.7
5 1	15 59.76	−16 51.2	1.522	2.490	8.3	19.5
5 11	15 52.24	−16 42.2	1.482	2.484	3.9	19.2
5 21	15 43.72	−16 33.3	1.468	2.478	1.7	19.0
5 31	15 35.34	−16 27.0	1.479	2.474	5.9	19.3
6 10	15 28.20	−16 26.2	1.515	2.470	10.2	19.5
6 20	15 23.12	−16 32.9	1.573	2.467	14.1	19.7

118114 3117 T-$_3$ 5 19.3 180°.69 0°.7/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 14.95	−19 41.8	1.983	2.791	14.5	21.6
4 21	16 9.96	−19 23.0	1.896	2.793	11.3	21.4
5 1	16 2.58	−18 57.8	1.832	2.794	7.6	21.2
5 11	15 53.46	−18 27.3	1.793	2.794	3.5	20.9
5 21	15 43.50	−17 53.9	1.782	2.793	1.1	20.7
5 31	15 33.75	−17 20.8	1.799	2.792	5.2	21.0
6 10	15 25.22	−16 51.8	1.843	2.790	9.2	21.3
6 20	15 18.65	−16 30.1	1.910	2.788	12.8	21.5

480814 1995 XO_4 5 19.3 228°.44 3°.3/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 13.56	−10 15.9	2.269	3.077	12.9	21.9
4 21	16 8.60	−10 5.0	2.173	3.067	10.2	21.7
5 1	16 1.56	− 9 55.6	2.100	3.057	7.1	21.5
5 11	15 52.98	− 9 49.6	2.053	3.046	4.2	21.3
5 21	15 43.58	− 9 49.3	2.034	3.035	3.5	21.2
5 31	15 34.25	− 9 56.4	2.044	3.023	6.1	21.3
6 10	15 25.84	−10 12.2	2.081	3.011	9.3	21.5
6 20	15 19.03	−10 37.1	2.142	2.999	12.4	21.7

24159 Shigetakahashi 5 19.3 173°.80 1°.2/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 12.77	−25 4.5	2.342	3.135	13.0	20.3
4 21	16 7.96	−24 55.6	2.253	3.138	10.3	20.1
5 1	16 1.08	−24 38.0	2.186	3.140	7.1	19.9
5 11	15 52.72	−24 11.9	2.145	3.141	3.6	19.7
5 21	15 43.65	−23 38.5	2.132	3.142	1.3	19.5
5 31	15 34.78	−23 0.5	2.148	3.143	4.3	19.7
6 10	15 26.97	−22 21.7	2.191	3.143	7.7	19.9
6 20	15 20.85	−21 45.7	2.260	3.143	10.8	20.1

393898 2005 TN_{142} 5 19.3 54°.61 1°.4/20.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 11.60	−23 24.7	2.328	3.127	12.9	21.6
4 21	16 7.12	−23 44.6	2.240	3.129	10.2	21.4
5 1	16 0.57	−23 58.8	2.175	3.130	7.0	21.2
5 11	15 52.51	−24 6.6	2.135	3.132	3.6	21.0
5 21	15 43.69	−24 8.1	2.123	3.134	1.4	20.8
5 31	15 34.99	−24 4.7	2.140	3.135	4.3	21.0
6 10	15 27.29	−23 58.6	2.184	3.137	7.7	21.2
6 20	15 21.24	−23 52.7	2.253	3.139	10.7	21.4

474817 2005 SU_{37} 5 19.3 224°.58 5°.1/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 14.52	−34 59.9	2.533	3.287	13.1	21.2
4 21	16 9.60	−35 46.6	2.437	3.284	11.0	21.0
5 1	16 2.39	−36 22.6	2.362	3.280	8.6	20.8
5 11	15 53.42	−36 44.9	2.312	3.276	6.3	20.7
5 21	15 43.50	−36 51.9	2.289	3.271	5.1	20.6
5 31	15 33.62	−36 43.7	2.294	3.267	6.0	20.6
6 10	15 24.77	−36 23.2	2.325	3.263	8.1	20.8
6 20	15 17.70	−35 54.6	2.381	3.258	10.6	20.9

422873 2002 PU_{186} 5 19.3 279°.30 3°.6/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 14.50	−28 1.3	1.653	2.459	17.0	21.9
4 21	16 10.72	−28 25.4	1.550	2.439	13.9	21.7
5 1	16 3.80	−28 38.5	1.467	2.418	10.1	21.4
5 11	15 54.31	−28 37.9	1.407	2.398	6.0	21.1
5 21	15 43.29	−28 22.3	1.371	2.377	3.6	20.9
5 31	15 32.17	−27 53.1	1.362	2.356	6.3	21.0
6 10	15 22.41	−27 15.2	1.378	2.335	10.8	21.2
6 20	15 15.16	−26 35.2	1.415	2.314	15.0	21.4

377652 2005 UK_{147} 5 19.3 247°.86 0°.6/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 13.21	−23 0.1	2.011	2.816	14.4	22.2
4 21	16 8.83	−22 48.0	1.908	2.802	11.4	21.9
5 1	16 1.99	−22 27.1	1.827	2.787	7.8	21.7
5 11	15 53.27	−21 57.7	1.772	2.771	3.8	21.4
5 21	15 43.53	−21 21.4	1.743	2.755	0.8	21.1
5 31	15 33.85	−20 41.2	1.743	2.739	5.0	21.4
6 10	15 25.28	−20 1.5	1.769	2.722	9.2	21.6
6 20	15 18.64	−19 26.7	1.819	2.704	12.9	21.8

63046 2000 WJ_{93} 5 19.3 176°.96 0°.3/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 9.60	−21 54.4	2.662	3.461	11.4	20.0
4 21	16 5.23	−21 44.0	2.571	3.462	9.0	19.9
5 1	15 59.12	−21 27.8	2.504	3.462	6.1	19.7
5 11	15 51.78	−21 6.4	2.463	3.463	2.9	19.5
5 21	15 43.85	−20 41.2	2.451	3.463	0.6	19.3
5 31	15 36.08	−20 14.3	2.468	3.463	3.8	19.5
6 10	15 29.16	−19 48.5	2.513	3.463	7.0	19.7
6 20	15 23.63	−19 26.2	2.583	3.463	9.8	19.9

426874 2013 WS_{29} 5 19.3 139°.72 0°.7/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 13.06	−18 9.6	1.967	2.781	14.3	21.4
4 21	16 8.51	−18 9.7	1.885	2.784	11.2	21.2
5 1	16 1.62	−18 5.8	1.825	2.788	7.5	21.0
5 11	15 53.03	−17 59.0	1.790	2.791	3.5	20.7
5 21	15 43.61	−17 50.5	1.782	2.793	1.1	20.5
5 31	15 34.38	−17 42.6	1.802	2.796	5.1	20.8
6 10	15 26.34	−17 37.8	1.849	2.799	9.0	21.1
6 20	15 20.20	−17 38.3	1.919	2.801	12.5	21.3

125336 2001 VA_{49} 5 19.3 191°.40 4°.6/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 15.02	−34 49.6	2.089	2.856	15.2	19.5
4 21	16 10.24	−34 49.1	1.997	2.855	12.6	19.3
5 1	16 2.87	−34 32.5	1.925	2.854	9.5	19.1
5 11	15 53.63	−33 57.8	1.877	2.853	6.5	18.9
5 21	15 43.49	−33 5.1	1.855	2.851	4.6	18.8
5 31	15 33.62	−31 57.6	1.861	2.848	5.8	18.9
6 10	15 25.13	−30 41.2	1.894	2.846	8.8	19.1
6 20	15 18.78	−29 22.7	1.952	2.843	11.9	19.2

334313 2001 VM_{128} 5 19.3 215°.10 2°.3/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 1.38	− 8 33.7	4.584	5.388	6.9	21.6
4 21	15 58.13	− 8 9.4	4.495	5.386	5.4	21.5
5 1	15 54.02	− 7 46.0	4.432	5.385	3.8	21.3
5 11	15 49.33	− 7 25.0	4.397	5.383	2.6	21.2
5 21	15 44.36	− 7 7.6	4.391	5.381	2.5	21.2
5 31	15 39.46	− 6 55.2	4.414	5.379	3.6	21.3
6 10	15 34.96	− 6 48.6	4.465	5.378	5.2	21.4
6 20	15 31.14	− 6 48.2	4.541	5.376	6.7	21.5

140465 2001 TF_{130} 5 19.3 257°.62 0°.2/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 10.64	−20 36.1	2.490	3.293	12.0	22.0
4 21	16 6.31	−20 21.9	2.381	3.274	9.5	21.8
5 1	16 0.03	−20 1.9	2.295	3.255	6.4	21.6
5 11	15 52.28	−19 36.7	2.235	3.235	3.0	21.3
5 21	15 43.75	−19 8.0	2.204	3.216	0.7	21.1
5 31	15 35.23	−18 38.1	2.201	3.195	4.3	21.3
6 10	15 27.55	−18 10.1	2.227	3.175	7.8	21.5
6 20	15 21.35	−17 46.9	2.277	3.154	11.0	21.7

416361 2003 SV_{368} 5 19.3 162°.07 0°.5/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 10.88	−20 31.3	1.961	2.777	14.3	22.0
4 21	16 6.83	−20 8.7	1.877	2.777	11.2	21.8
5 1	16 0.49	−19 38.8	1.814	2.778	7.5	21.6
5 11	15 52.50	−19 3.2	1.777	2.778	3.5	21.3
5 21	15 43.72	−18 24.2	1.767	2.779	0.9	21.1
5 31	15 35.16	−17 45.6	1.784	2.779	5.1	21.4
6 10	15 27.78	−17 11.4	1.828	2.779	9.0	21.6
6 20	15 22.26	−16 44.7	1.895	2.779	12.5	21.9

308057 2004 TK_{102} 5 19.3 357°.74 0°.2/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 7.43	−19 15.1	0.984	1.852	21.3	19.5
4 21	16 6.24	−19 38.5	0.918	1.847	16.9	19.2
5 1	16 1.24	−19 56.5	0.868	1.843	11.5	18.9
5 11	15 53.21	−20 9.2	0.838	1.841	5.4	18.6
5 21	15 43.55	−20 17.4	0.829	1.841	1.1	18.3
5 31	15 34.15	−20 23.3	0.841	1.842	7.5	18.7
6 10	15 26.80	−20 31.0	0.874	1.845	13.4	19.0
6 20	15 22.68	−20 44.2	0.924	1.849	18.5	19.3

40051 1998 KY_{37} 5 19.3 337°.68 2°.6/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 9.82	−15 31.9	1.736	2.567	15.3	19.2
4 21	16 6.26	−14 58.5	1.655	2.564	11.9	19.0
5 1	16 0.24	−14 20.9	1.595	2.561	8.1	18.7
5 11	15 52.43	−13 42.0	1.559	2.559	4.1	18.5
5 21	15 43.74	−13 5.4	1.550	2.557	2.9	18.4
5 31	15 35.26	−12 35.3	1.566	2.555	6.5	18.6
6 10	15 28.02	−12 15.2	1.608	2.553	10.5	18.8
6 20	15 22.77	−12 7.1	1.672	2.552	14.1	19.1

418399 2008 JT_{22} 5 19.3 116°.97 2°.5/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 2.14	− 7 26.4	4.486	5.288	7.1	20.8
4 21	15 58.72	− 7 8.4	4.402	5.291	5.6	20.7
5 1	15 54.41	− 6 51.9	4.344	5.294	4.0	20.6
5 11	15 49.51	− 6 38.4	4.313	5.297	2.7	20.5
5 21	15 44.34	− 6 29.1	4.312	5.300	2.6	20.5
5 31	15 39.24	− 6 25.0	4.339	5.303	3.8	20.6
6 10	15 34.56	− 6 26.8	4.395	5.306	5.3	20.7
6 20	15 30.59	− 6 34.9	4.476	5.309	6.9	20.8

11860 Uedasatoshi 5 19.3 280°.99 0°.6/19.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 9.31	−19 1.5	2.374	3.184	12.3	18.2
4 21	16 5.36	−18 51.0	2.269	3.167	9.7	18.0
5 1	15 59.43	−18 35.7	2.188	3.150	6.5	17.8
5 11	15 52.02	−18 16.8	2.132	3.133	3.0	17.5
5 21	15 43.82	−17 55.7	2.104	3.116	1.0	17.3
5 31	15 35.64	−17 34.9	2.105	3.098	4.5	17.6
6 10	15 28.32	−17 17.0	2.132	3.081	8.1	17.8
6 20	15 22.51	−17 4.5	2.184	3.064	11.3	17.9

438055 2004 PV_{106} 5 19.3 277°.15 3°.0/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 10.61	−29 39.2	2.464	3.246	12.7	21.9
4 21	16 6.48	−29 49.7	2.356	3.229	10.3	21.7
5 1	16 0.25	−29 50.4	2.271	3.213	7.6	21.5
5 11	15 52.42	−29 39.9	2.210	3.197	4.7	21.2
5 21	15 43.73	−29 18.3	2.177	3.180	3.0	21.1
5 31	15 35.08	−28 47.2	2.172	3.164	4.6	21.2
6 10	15 27.35	−28 9.9	2.194	3.147	7.7	21.3
6 20	15 21.25	−27 30.5	2.241	3.130	10.7	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
156951 2003 GQ_{41}			5 19.3	43°.02	8°.6/14.6	17
	h m	° ′			°	m
4 11	16 9.08	− 2 41.2	1.590	2.423	16.3	19.7
4 21	16 5.60	− 1 12.7	1.531	2.431	13.3	19.5
5 1	15 59.70	+ 0 9.8	1.494	2.439	10.5	19.4
5 11	15 52.12	+ 1 18.6	1.479	2.447	8.7	19.3
5 21	15 43.82	+ 2 7.2	1.489	2.456	9.0	19.3
5 31	15 35.89	+ 2 31.3	1.523	2.464	11.2	19.5
6 10	15 29.29	+ 2 29.9	1.579	2.474	14.0	19.7
6 20	15 24.70	+ 2 4.9	1.655	2.483	16.7	19.9
209146 2003 SN_{295}			5 19.3	324°.19	4°.5/21.1	17
4 11	16 8.19	−29 0.6	1.201	2.038	20.3	20.0
4 21	16 6.77	−29 24.2	1.112	2.018	16.7	19.6
5 1	16 1.66	−29 31.8	1.040	1.999	12.3	19.3
5 11	15 53.49	−29 20.2	0.988	1.981	7.5	19.0
5 21	15 43.50	−28 47.9	0.957	1.964	4.5	18.8
5 31	15 33.46	−27 57.9	0.949	1.947	7.6	18.9
6 10	15 25.22	−26 58.1	0.963	1.932	12.7	19.1
6 20	15 20.10	−25 57.7	0.996	1.918	17.8	19.3
161391 2003 UF_{97}			5 19.3	229°.82	0°.2/19.3	18 R
4 11	16 11.64	−20 22.6	2.143	2.952	13.5	21.1
4 21	16 7.32	−20 13.5	2.050	2.946	10.6	20.9
5 1	16 0.80	−19 58.5	1.979	2.941	7.2	20.7
5 11	15 52.67	−19 38.4	1.934	2.934	3.3	20.4
5 21	15 43.71	−19 14.8	1.916	2.928	0.7	20.2
5 31	15 34.88	−18 50.3	1.927	2.921	4.7	20.5
6 10	15 27.09	−18 28.1	1.964	2.915	8.5	20.7
6 20	15 21.04	−18 11.1	2.025	2.908	11.9	20.9
213094 1999 VD_{17}			5 19.4	300°.26	2°.2/20.1	17
4 11	16 12.42	−24 27.7	1.439	2.266	18.0	20.7
4 21	16 9.57	−24 45.2	1.333	2.237	14.6	20.4
5 1	16 3.35	−24 53.3	1.247	2.209	10.4	20.1
5 11	15 54.26	−24 50.3	1.182	2.180	5.5	19.7
5 21	15 43.35	−24 35.3	1.141	2.151	2.3	19.4
5 31	15 32.13	−24 10.4	1.125	2.123	6.6	19.6
6 10	15 22.29	−23 40.6	1.132	2.095	12.0	19.8
6 20	15 15.14	−23 12.2	1.160	2.067	17.0	20.0
279609 2011 EA_{25}			5 19.4	144°.36	5°.7/21.8	17
4 11	16 18.57	−33 37.6	2.017	2.785	15.6	20.8
4 21	16 13.28	−34 34.4	1.933	2.790	13.0	20.6
5 1	16 5.13	−35 19.4	1.870	2.795	10.0	20.4
5 11	15 54.79	−35 48.4	1.830	2.800	7.2	20.3
5 21	15 43.29	−35 59.0	1.817	2.804	5.7	20.2
5 31	15 31.94	−35 51.4	1.831	2.809	6.8	20.3
6 10	15 21.99	−35 29.4	1.871	2.813	9.5	20.4
6 20	15 14.36	−34 58.7	1.935	2.816	12.4	20.6
55855 1996 VB_{7}			5 19.4	218°.97	1°.7/20.3	18
4 11	16 13.65	−24 55.0	2.678	3.462	11.8	20.2
4 21	16 8.56	−25 18.0	2.576	3.454	9.4	20.0
5 1	16 1.51	−25 35.2	2.497	3.446	6.6	19.8
5 11	15 52.99	−25 45.6	2.444	3.437	3.6	19.6
5 21	15 43.67	−25 49.1	2.420	3.428	1.8	19.4
5 31	15 34.38	−25 46.4	2.426	3.419	4.1	19.6
6 10	15 25.94	−25 39.7	2.460	3.409	7.1	19.7
6 20	15 18.98	−25 31.6	2.519	3.399	10.0	19.9
332382 2007 FC_{43}			5 19.4	31°.56	12°.5/24.3	17
4 11	16 20.23	−43 58.0	1.469	2.221	21.2	19.6
4 21	16 16.41	−45 59.3	1.408	2.233	18.7	19.4
5 1	16 8.26	−47 39.5	1.364	2.245	16.0	19.3
5 11	15 56.57	−48 49.1	1.339	2.259	13.8	19.2
5 21	15 42.94	−49 21.0	1.336	2.273	12.6	19.2
5 31	15 29.58	−49 13.9	1.354	2.288	12.8	19.2
6 10	15 18.63	−48 34.6	1.392	2.304	14.3	19.3
6 20	15 11.43	−47 33.7	1.451	2.320	16.5	19.5
174728 2003 UB_{181}			5 19.4	182°.57	0°.5/19.1	17
4 11	16 15.61	−19 34.5	1.995	2.802	14.4	21.6
4 21	16 10.50	−19 22.4	1.908	2.803	11.3	21.3
5 1	16 2.98	−19 4.3	1.843	2.804	7.6	21.1
5 11	15 53.70	−18 41.3	1.803	2.803	3.5	20.9
5 21	15 43.55	−18 15.2	1.791	2.802	1.0	20.7
5 31	15 33.60	−17 49.0	1.807	2.801	5.2	21.0
6 10	15 24.86	−17 26.1	1.850	2.798	9.2	21.2
6 20	15 18.07	−17 9.6	1.917	2.795	12.7	21.4
59789 1999 NO_{56}			5 19.4	349°.20	0°.7/19.8	18
4 11	16 5.88	−27 10.3	1.361	2.197	18.4	17.3
4 21	16 4.05	−26 9.5	1.279	2.189	14.6	17.1
5 1	15 59.18	−24 47.4	1.216	2.182	10.1	16.8
5 11	15 52.06	−23 6.3	1.175	2.176	4.9	16.5
5 21	15 43.87	−21 12.3	1.159	2.171	1.0	16.2
5 31	15 36.02	−19 14.8	1.168	2.167	6.2	16.5
6 10	15 29.79	−17 24.5	1.201	2.164	11.4	16.8
6 20	15 26.04	−15 50.2	1.255	2.163	15.9	17.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
408406 2013 GT_{113}			5 19.4	54°.63	0°.7/19.6	17
	h m	° ′			°	m
4 11	16 16.44	−20 11.6	1.380	2.209	18.5	21.2
4 21	16 12.27	−20 38.3	1.305	2.212	14.7	20.9
5 1	16 4.76	−21 0.1	1.250	2.215	10.0	20.7
5 11	15 54.71	−21 16.0	1.218	2.218	4.8	20.4
5 21	15 43.35	−21 25.9	1.210	2.222	1.1	20.1
5 31	15 32.24	−21 31.3	1.228	2.225	6.3	20.5
6 10	15 22.87	−21 35.6	1.270	2.229	11.3	20.8
6 20	15 16.26	−21 42.2	1.333	2.233	15.7	21.0
505813 2015 BT_{426}			5 19.4	267°.73	0°.1/19.3	17
4 11	16 12.28	−20 49.6	1.809	2.627	15.3	21.9
4 21	16 8.34	−20 40.4	1.714	2.616	12.1	21.7
5 1	16 1.79	−20 24.0	1.641	2.604	8.2	21.4
5 11	15 53.25	−20 1.1	1.591	2.592	3.9	21.1
5 21	15 43.64	−19 33.3	1.568	2.580	0.8	20.9
5 31	15 34.10	−19 4.0	1.572	2.568	5.5	21.2
6 10	15 25.78	−18 37.1	1.602	2.555	9.9	21.4
6 20	15 19.53	−18 16.5	1.654	2.543	13.8	21.6
114084 2002 VT_{35}			5 19.4	185°.85	1°.0/18.7	18
4 11	16 10.45	−18 10.6	2.425	3.232	12.2	20.2
4 21	16 6.04	−17 50.1	2.335	3.232	9.5	20.0
5 1	15 59.75	−17 25.2	2.270	3.231	6.4	19.8
5 11	15 52.13	−16 57.3	2.230	3.231	3.0	19.6
5 21	15 43.88	−16 28.4	2.219	3.230	1.3	19.5
5 31	15 35.78	−16 1.2	2.237	3.228	4.5	19.7
6 10	15 28.61	−15 38.4	2.282	3.227	7.9	19.9
6 20	15 22.94	−15 22.3	2.352	3.225	10.8	20.1
174494 2003 BY_{16}			5 19.4	132°.73	6°.3/23.1	18
4 11	16 15.07	−38 43.3	2.372	3.114	14.2	20.0
4 21	16 10.25	−39 28.4	2.284	3.116	12.1	19.9
5 1	16 2.92	−39 59.6	2.216	3.119	9.8	19.7
5 11	15 53.72	−40 13.5	2.173	3.122	7.6	19.6
5 21	15 43.55	−40 8.2	2.154	3.125	6.4	19.5
5 31	15 33.54	−39 44.4	2.163	3.127	6.9	19.6
6 10	15 24.76	−39 5.8	2.197	3.130	8.8	19.7
6 20	15 18.01	−38 18.0	2.256	3.132	11.1	19.8
499604 2010 TL_{163}			5 19.4	194°.36	0°.8/18.9	17
4 11	16 15.14	−18 56.5	2.020	2.827	14.3	22.9
4 21	16 10.14	−18 42.8	1.929	2.825	11.2	22.7
5 1	16 2.75	−18 23.7	1.861	2.823	7.6	22.4
5 11	15 53.61	−18 0.3	1.819	2.819	3.5	22.2
5 21	15 43.58	−17 34.4	1.804	2.815	1.2	22.0
5 31	15 33.72	−17 9.0	1.818	2.811	5.2	22.3
6 10	15 25.02	−16 47.5	1.859	2.806	9.2	22.5
6 20	15 18.24	−16 32.7	1.923	2.800	12.7	22.7
176593 2002 CB_{176}			5 19.4	310°.08	7°.7/24.4	18
4 11	16 14.07	−43 4.4	2.285	3.011	15.1	19.8
4 21	16 9.78	−43 44.0	2.192	3.006	13.2	19.7
5 1	16 2.77	−44 6.5	2.117	3.001	11.0	19.5
5 11	15 53.70	−44 7.9	2.065	2.997	9.0	19.4
5 21	15 43.57	−43 46.1	2.037	2.992	7.8	19.3
5 31	15 33.62	−43 1.9	2.035	2.987	8.1	19.3
6 10	15 25.03	−41 59.7	2.057	2.983	9.6	19.4
6 20	15 18.66	−40 46.1	2.104	2.979	11.8	19.5
176354 2001 TF_{85}			5 19.4	138°.06	0°.3/19.1	18
4 11	16 10.67	−19 56.8	3.026	3.819	10.3	22.4
4 21	16 5.72	−19 41.0	2.945	3.833	8.0	22.2
5 1	15 59.29	−19 20.7	2.889	3.847	5.4	22.1
5 11	15 51.84	−18 57.1	2.860	3.860	2.5	21.9
5 21	15 43.96	−18 31.6	2.861	3.873	0.6	21.7
5 31	15 36.28	−18 6.1	2.892	3.885	3.5	22.0
6 10	15 29.40	−17 42.9	2.952	3.896	6.3	22.2
6 20	15 23.76	−17 23.8	3.038	3.907	8.8	22.4
45784 2000 OZ_{17}			5 19.4	293°.63	1°.5/19.9	18
4 11	16 12.41	−23 30.5	1.695	2.513	16.2	18.6
4 21	16 8.88	−23 42.0	1.591	2.490	12.9	18.4
5 1	16 2.46	−23 45.4	1.508	2.468	9.0	18.1
5 11	15 53.70	−23 39.9	1.447	2.446	4.6	17.7
5 21	15 43.55	−23 25.6	1.412	2.423	1.6	17.5
5 31	15 33.29	−23 4.5	1.404	2.401	5.7	17.7
6 10	15 24.25	−22 41.0	1.420	2.379	10.4	17.9
6 20	15 17.48	−22 19.6	1.459	2.357	14.8	18.1
310611 2001 YU_{20}			5 19.4	39°.39	2°.3/20.5	18
4 11	16 13.34	−26 57.7	1.340	2.165	19.2	20.2
4 21	16 9.97	−26 49.3	1.266	2.168	15.4	19.9
5 1	16 3.23	−26 25.4	1.211	2.171	10.8	19.7
5 11	15 53.98	−25 45.5	1.178	2.175	5.8	19.4
5 21	15 43.53	−24 51.6	1.168	2.178	2.3	19.2
5 31	15 33.48	−23 49.1	1.184	2.182	6.3	19.4
6 10	15 25.29	−22 46.0	1.223	2.186	11.3	19.7
6 20	15 19.90	−21 49.7	1.283	2.190	15.7	20.0

428697 2008 PE_{19} 5 19.4 149°.01 6°.0/22.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 17.59	−38 1.8	2.298	3.041	14.6	22.0
4 21	16 12.18	−38 37.7	2.213	3.048	12.3	21.9
5 1	16 4.19	−38 59.0	2.148	3.056	9.8	21.7
5 11	15 54.30	−39 2.4	2.107	3.062	7.4	21.6
5 21	15 43.48	−38 46.2	2.093	3.069	6.1	21.5
5 31	15 32.91	−38 11.9	2.105	3.074	6.7	21.6
6 10	15 23.68	−37 23.8	2.144	3.080	8.8	21.7
6 20	15 16.58	−36 27.8	2.207	3.085	11.3	21.9

364168 2006 JX_{14} 5 19.4 289°.80 5°.2/16.9 17

4 11	16 10.95	−11 18.1	1.446	2.288	17.2	21.4
4 21	16 7.81	−10 25.4	1.357	2.270	13.7	21.1
5 1	16 1.73	− 9 29.7	1.288	2.253	9.7	20.8
5 11	15 53.33	− 8 36.2	1.241	2.236	6.1	20.6
5 21	15 43.65	− 7 50.9	1.219	2.218	5.7	20.5
5 31	15 34.00	− 7 19.8	1.221	2.201	9.2	20.7
6 10	15 25.71	− 7 7.0	1.247	2.184	13.6	20.9
6 20	15 19.78	− 7 14.0	1.292	2.167	17.8	21.1

56698 2000 LR_{27} 5 19.4 265°.10 8°.5/14.9 18

4 11	16 11.08	+ 0 11.2	1.837	2.653	15.2	18.8
4 21	16 7.07	+ 1 14.2	1.757	2.643	12.6	18.6
5 1	16 0.74	+ 2 9.9	1.699	2.633	10.2	18.4
5 11	15 52.71	+ 2 51.8	1.664	2.623	8.7	18.3
5 21	15 43.81	+ 3 14.6	1.654	2.613	8.9	18.3
5 31	15 35.04	+ 3 14.9	1.668	2.603	10.8	18.4
6 10	15 27.40	+ 2 51.8	1.706	2.593	13.5	18.5
6 20	15 21.60	+ 2 7.3	1.764	2.583	16.2	18.7

298331 2003 FZ_{86} 5 19.4 57°.77 4°.7/21.4 18

4 11	16 15.48	−30 18.3	1.322	2.137	20.0	20.2
4 21	16 11.84	−30 41.6	1.252	2.144	16.2	19.9
5 1	16 4.60	−30 48.2	1.200	2.151	11.9	19.7
5 11	15 54.66	−30 35.4	1.169	2.158	7.4	19.4
5 21	15 43.43	−30 2.5	1.162	2.166	4.7	19.3
5 31	15 32.63	−29 13.6	1.179	2.174	7.1	19.5
6 10	15 23.85	−28 16.2	1.220	2.182	11.4	19.7
6 20	15 18.10	−27 19.0	1.282	2.190	15.6	20.0

35350 Lespaul 5 19.4 326°.31 2°.7/17.8 18

4 11	16 7.65	−13 42.3	2.100	2.925	13.2	18.6
4 21	16 4.20	−13 14.3	2.011	2.916	10.3	18.4
5 1	15 58.71	−12 44.2	1.944	2.908	7.1	18.2
5 11	15 51.73	−12 14.7	1.902	2.900	3.8	18.0
5 21	15 44.00	−11 48.6	1.888	2.892	3.0	17.9
5 31	15 36.39	−11 28.9	1.900	2.885	5.9	18.1
6 10	15 29.75	−11 18.3	1.938	2.878	9.3	18.3
6 20	15 24.72	−11 18.1	1.999	2.871	12.5	18.4

377743 2005 XF_{62} 5 19.4 214°.77 8°.1/16.3 17

4 11	16 15.85	+ 2 49.6	1.995	2.790	14.9	20.7
4 21	16 10.53	+ 3 15.3	1.915	2.786	12.5	20.5
5 1	16 2.94	+ 3 29.8	1.857	2.782	10.1	20.3
5 11	15 53.69	+ 3 28.3	1.823	2.778	8.4	20.2
5 21	15 43.62	+ 3 7.5	1.815	2.774	8.3	20.2
5 31	15 33.74	+ 2 26.1	1.834	2.769	10.0	20.3
6 10	15 24.98	+ 1 25.3	1.877	2.764	12.5	20.4
6 20	15 18.06	+ 0 8.0	1.943	2.759	15.0	20.6

521154 2015 FK_{407} 5 19.4 293°.57 1°.2/18.8 17

4 11	16 11.45	−17 10.7	1.915	2.735	14.5	21.7
4 21	16 7.42	−17 5.7	1.827	2.730	11.3	21.5
5 1	16 1.02	−16 57.1	1.760	2.724	7.6	21.3
5 11	15 52.86	−16 46.4	1.718	2.719	3.6	21.0
5 21	15 43.78	−16 35.2	1.703	2.714	1.5	20.8
5 31	15 34.83	−16 26.0	1.715	2.708	5.4	21.1
6 10	15 27.00	−16 21.3	1.753	2.703	9.4	21.3
6 20	15 21.07	−16 23.4	1.814	2.698	13.0	21.5

235299 2003 UO_{83} 5 19.4 152°.16 3°.1/21.1 18

4 11	16 13.66	−29 23.8	2.189	2.973	14.1	20.7
4 21	16 8.98	−29 39.0	2.102	2.977	11.4	20.5
5 1	16 1.97	−29 43.5	2.037	2.980	8.2	20.3
5 11	15 53.26	−29 36.0	1.997	2.984	5.0	20.1
5 21	15 43.71	−29 16.5	1.983	2.987	3.1	20.0
5 31	15 34.37	−28 47.0	1.998	2.989	5.0	20.1
6 10	15 26.21	−28 11.3	2.039	2.992	8.1	20.3
6 20	15 19.94	−27 34.0	2.105	2.994	11.3	20.5

123143 2000 TX_{18} 5 19.4 253°.56 0°.1/19.4 18

4 11	16 12.44	−21 34.1	2.024	2.833	14.2	21.1
4 21	16 8.21	−21 21.0	1.923	2.819	11.2	20.9
5 1	16 1.58	−21 0.2	1.844	2.805	7.6	20.6
5 11	15 53.15	−20 32.5	1.790	2.790	3.6	20.3
5 21	15 43.73	−19 59.5	1.763	2.775	0.7	20.1
5 31	15 34.36	−19 24.4	1.764	2.760	5.0	20.4
6 10	15 26.07	−18 51.0	1.792	2.744	9.1	20.6
6 20	15 19.66	−18 23.3	1.843	2.728	12.8	20.8

388304 2006 SK_{201} 5 19.4 106°.70 1°.4/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 11.98	−24 25.3	2.371	3.166	12.8	21.6
4 21	16 7.34	−24 35.2	2.289	3.175	10.1	21.5
5 1	16 0.68	−24 38.0	2.230	3.184	7.0	21.3
5 11	15 52.60	−24 33.6	2.198	3.194	3.6	21.1
5 21	15 43.86	−24 22.5	2.192	3.202	1.4	20.9
5 31	15 35.32	−24 6.4	2.216	3.211	4.2	21.1
6 10	15 27.81	−23 48.3	2.267	3.220	7.4	21.4
6 20	15 21.94	−23 31.0	2.343	3.228	10.4	21.6

273918 2007 HE_{76} 5 19.4 67°.85 0°.0/19.4 17

4 11	16 13.39	−20 12.4	1.722	2.541	15.8	21.2
4 21	16 9.06	−20 15.0	1.650	2.552	12.4	21.0
5 1	16 2.14	−20 11.6	1.599	2.563	8.4	20.7
5 11	15 53.35	−20 3.0	1.573	2.574	3.9	20.5
5 21	15 43.72	−19 50.3	1.573	2.584	0.8	20.3
5 31	15 34.40	−19 36.4	1.599	2.595	5.3	20.6
6 10	15 26.48	−19 24.5	1.652	2.606	9.5	20.9
6 20	15 20.72	−19 17.6	1.727	2.618	13.2	21.1

137833 2000 AZ_{25} 5 19.4 156°.87 0°.6/19.7 18

4 11	16 15.76	−22 59.4	2.045	2.844	14.4	21.3
4 21	16 10.55	−22 50.5	1.962	2.852	11.3	21.1
5 1	16 2.97	−22 33.3	1.901	2.859	7.7	20.9
5 11	15 53.70	−22 8.4	1.866	2.865	3.7	20.7
5 21	15 43.65	−21 37.3	1.859	2.871	0.8	20.5
5 31	15 33.86	−21 2.8	1.880	2.876	4.8	20.8
6 10	15 25.33	−20 29.2	1.929	2.880	8.6	21.0
6 20	15 18.75	−20 0.0	2.002	2.884	12.1	21.2

417291 2006 BQ_{45} 5 19.4 15°.44 9°.0/23.9 17

4 11	16 12.30	−39 33.8	1.478	2.259	19.8	20.0
4 21	16 9.51	−40 30.7	1.407	2.264	16.9	19.8
5 1	16 3.14	−41 6.7	1.354	2.269	13.8	19.6
5 11	15 54.03	−41 16.0	1.320	2.275	10.8	19.5
5 21	15 43.57	−40 55.6	1.308	2.283	9.1	19.4
5 31	15 33.48	−40 7.5	1.320	2.291	9.6	19.4
6 10	15 25.36	−38 58.9	1.354	2.300	11.9	19.6
6 20	15 20.25	−37 39.7	1.409	2.310	15.0	19.8

506995 2008 SA_{289} 5 19.4 232°.82 1°.3/20.0 17

4 11	16 12.88	−24 11.6	2.115	2.916	13.9	22.4
4 21	16 8.45	−24 12.4	2.019	2.909	11.1	22.2
5 1	16 1.68	−24 5.0	1.944	2.901	7.7	22.0
5 11	15 53.17	−23 49.3	1.895	2.892	3.9	21.8
5 21	15 43.74	−23 25.9	1.873	2.884	1.3	21.5
5 31	15 34.42	−22 57.4	1.879	2.875	4.7	21.8
6 10	15 26.18	−22 27.4	1.912	2.866	8.5	22.0
6 20	15 19.80	−21 59.7	1.969	2.856	12.0	22.2

453415 2009 HO_{57} 5 19.4 11°.27 4°.5/17.1 17

4 11	16 6.19	−16 17.1	1.120	1.984	19.6	20.2
4 21	16 4.50	−14 55.6	1.058	1.986	15.3	20.0
5 1	15 59.56	−13 24.0	1.015	1.989	10.4	19.7
5 11	15 52.28	−11 50.0	0.994	1.994	5.8	19.4
5 21	15 43.94	−10 22.5	0.995	1.999	5.0	19.4
5 31	15 36.05	− 9 10.8	1.018	2.006	9.3	19.7
6 10	15 29.96	− 8 21.5	1.063	2.013	14.1	20.0
6 20	15 26.52	− 7 56.9	1.127	2.022	18.3	20.2

173286 1999 TT_{118} 5 19.4 274°.22 3°.1/20.6 17

4 11	16 15.83	−27 5.8	1.723	2.526	16.5	21.1
4 21	16 11.74	−27 26.4	1.613	2.501	13.5	20.8
5 1	16 4.54	−27 36.8	1.523	2.475	9.7	20.5
5 11	15 54.76	−27 34.6	1.456	2.449	5.6	20.2
5 21	15 43.40	−27 18.6	1.414	2.422	3.1	20.0
5 31	15 31.81	−26 50.2	1.400	2.394	6.1	20.1
6 10	15 21.49	−26 14.0	1.410	2.367	10.7	20.3
6 20	15 13.57	−25 36.2	1.443	2.339	15.0	20.5

153870 2001 XD_{87} 5 19.4 265°.17 0°.1/19.3 18

4 11	16 12.23	−21 39.0	1.911	2.724	14.8	19.7
4 21	16 8.22	−21 18.3	1.808	2.707	11.7	19.5
5 1	16 1.70	−20 48.7	1.727	2.689	8.0	19.2
5 11	15 53.25	−20 11.2	1.671	2.671	3.8	18.9
5 21	15 43.73	−19 28.0	1.641	2.653	0.8	18.6
5 31	15 34.24	−18 42.7	1.639	2.634	5.3	18.9
6 10	15 25.89	−18 0.2	1.663	2.615	9.7	19.1
6 20	15 19.50	−17 24.7	1.710	2.596	13.6	19.3

178848 2001 JA_{4} 5 19.4 337°.27 1°.7/18.8 17

4 11	16 8.51	−17 11.4	1.263	2.115	18.6	19.6
4 21	16 6.35	−17 1.5	1.182	2.103	14.7	19.3
5 1	16 0.97	−16 46.3	1.120	2.092	10.0	19.0
5 11	15 53.06	−16 28.1	1.080	2.082	4.8	18.7
5 21	15 43.76	−16 9.9	1.063	2.073	2.2	18.5
5 31	15 34.57	−15 55.7	1.069	2.065	7.3	18.7
6 10	15 26.98	−15 49.8	1.097	2.058	12.5	19.0
6 20	15 22.04	−15 54.9	1.145	2.052	17.2	19.3

42322 2001 XS_{49} 5 19.4 214°.43 1°.4/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 17.09	−16 40.0	1.737	2.553	15.9	19.4
4 21	16 12.14	−16 36.4	1.646	2.547	12.5	19.2
5 1	16 4.40	−16 29.6	1.577	2.540	8.5	18.9
5 11	15 54.52	−16 20.6	1.532	2.532	4.1	18.6
5 21	15 43.49	−16 11.1	1.514	2.524	1.8	18.4
5 31	15 32.55	−16 3.8	1.523	2.515	6.1	18.7
6 10	15 22.92	−16 1.4	1.558	2.506	10.6	18.9
6 20	15 15.52	−16 6.4	1.616	2.496	14.6	19.1

17376 1981 EQ_{4} 5 19.4 79°.26 0°.7/18.9 18

4 11	16 9.60	−20 23.8	2.243	3.054	12.9	19.1
4 21	16 5.43	−19 47.8	2.169	3.067	10.0	19.0
5 1	15 59.34	−19 5.0	2.118	3.081	6.7	18.8
5 11	15 51.95	−18 17.5	2.093	3.094	3.1	18.6
5 21	15 44.03	−17 28.2	2.097	3.108	1.1	18.4
5 31	15 36.40	−16 40.8	2.128	3.121	4.6	18.7
6 10	15 29.82	−15 58.7	2.187	3.134	8.0	18.9
6 20	15 24.86	−15 24.9	2.270	3.148	11.0	19.2

340498 2006 HG_{116} 5 19.4 267°.55 0°.8/18.9 17

4 11	16 10.17	−20 0.5	1.999	2.816	14.1	21.1
4 21	16 6.32	−19 30.3	1.908	2.810	11.0	20.8
5 1	16 0.22	−18 52.6	1.840	2.804	7.4	20.6
5 11	15 52.47	−18 9.2	1.796	2.797	3.4	20.3
5 21	15 43.91	−17 23.0	1.780	2.791	1.2	20.2
5 31	15 35.50	−16 37.8	1.791	2.784	5.2	20.4
6 10	15 28.20	−15 58.0	1.828	2.778	9.1	20.6
6 20	15 22.71	−15 26.9	1.889	2.772	12.6	20.8

234799 2002 QV_{71} 5 19.4 338°.44 2°.8/17.9 17

4 11	16 9.32	−14 37.0	1.828	2.657	14.7	20.3
4 21	16 5.77	−14 2.8	1.745	2.653	11.5	20.0
5 1	15 59.90	−13 25.2	1.685	2.650	7.8	19.8
5 11	15 52.33	−12 47.4	1.649	2.648	4.1	19.6
5 21	15 43.94	−12 12.8	1.639	2.645	3.1	19.5
5 31	15 35.74	−11 45.2	1.656	2.643	6.4	19.7
6 10	15 28.70	−11 27.9	1.698	2.641	10.2	19.9
6 20	15 23.54	−11 22.6	1.763	2.639	13.7	20.1

468653 2008 UF_{186} 5 19.4 202°.64 0°.4/19.1 17

4 11	16 10.62	−21 4.5	2.002	2.816	14.1	21.6
4 21	16 6.63	−20 36.5	1.916	2.815	11.1	21.3
5 1	16 0.39	−20 0.5	1.852	2.815	7.5	21.1
5 11	15 52.53	−19 18.2	1.813	2.814	3.5	20.9
5 21	15 43.91	−18 32.1	1.802	2.814	0.9	20.7
5 31	15 35.50	−17 46.3	1.818	2.813	5.0	21.0
6 10	15 28.23	−17 4.9	1.861	2.812	8.9	21.2
6 20	15 22.80	−16 31.4	1.927	2.811	12.4	21.4

287613 2003 GL_{54} 5 19.4 102°.54 10°.3/12.1 17

4 11	16 9.73	+13 30.2	2.472	3.232	13.3	20.2
4 21	16 5.22	+14 43.6	2.425	3.245	11.9	20.1
5 1	15 59.05	+15 42.0	2.400	3.259	10.8	20.0
5 11	15 51.78	+16 20.4	2.397	3.272	10.3	20.0
5 21	15 44.07	+16 35.3	2.418	3.285	10.6	20.1
5 31	15 36.64	+16 25.3	2.462	3.297	11.6	20.2
6 10	15 30.16	+15 51.7	2.527	3.310	12.8	20.3
6 20	15 25.09	+14 57.4	2.611	3.322	14.2	20.4

522835 2016 NR_{83} 5 19.4 170°.20 4°.9/15.5 18

4 11	16 8.25	− 4 11.6	2.841	3.645	10.7	22.6
4 21	16 3.95	− 3 19.2	2.763	3.648	8.6	22.5
5 1	15 58.17	− 2 29.9	2.709	3.650	6.5	22.4
5 11	15 51.39	− 1 47.1	2.682	3.653	5.1	22.3
5 21	15 44.14	− 1 13.9	2.683	3.655	5.2	22.3
5 31	15 37.06	− 0 52.5	2.712	3.656	6.7	22.4
6 10	15 30.71	− 0 44.3	2.767	3.657	8.8	22.5
6 20	15 25.56	− 0 49.3	2.846	3.658	10.9	22.7

276855 2004 RB_{126} 5 19.4 310°.78 0°.4/19.6 16

4 11	16 9.00	−22 12.4	2.340	3.147	12.6	21.4
4 21	16 5.10	−22 2.8	2.249	3.144	9.9	21.2
5 1	15 59.25	−21 46.6	2.181	3.140	6.7	21.0
5 11	15 51.98	−21 24.3	2.138	3.137	3.2	20.8
5 21	15 44.02	−20 57.6	2.122	3.134	0.6	20.5
5 31	15 36.20	−20 28.9	2.135	3.131	4.2	20.8
6 10	15 29.33	−20 1.2	2.175	3.128	7.7	21.0
6 20	15 24.01	−19 37.6	2.240	3.125	10.8	21.2

373485 2000 UJ_{6} 5 19.4 187°.07 1°.7/18.1 18

4 11	16 12.10	−17 12.0	2.570	3.372	11.7	22.1
4 21	16 7.17	−16 26.3	2.478	3.371	9.1	21.9
5 1	16 0.45	−15 35.5	2.410	3.370	6.1	21.7
5 11	15 52.48	−14 41.9	2.370	3.368	3.0	21.5
5 21	15 43.93	−13 48.4	2.359	3.366	2.0	21.4
5 31	15 35.56	−12 58.5	2.377	3.363	4.8	21.6
6 10	15 28.09	−12 15.4	2.424	3.359	8.0	21.8
6 20	15 22.06	−11 41.7	2.496	3.354	10.8	22.0

211850 2004 FQ_{133} 5 19.4 348°.59 2°.9/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 7.94	−13 20.1	1.631	2.470	15.7	19.9
4 21	16 5.05	−13 9.6	1.549	2.462	12.3	19.6
5 1	15 59.62	−12 58.5	1.487	2.455	8.4	19.4
5 11	15 52.28	−12 49.4	1.449	2.448	4.5	19.1
5 21	15 43.95	−12 44.9	1.436	2.443	3.2	19.0
5 31	15 35.76	−12 47.7	1.449	2.439	6.7	19.2
6 10	15 28.80	−12 59.8	1.486	2.435	10.8	19.5
6 20	15 23.89	−13 22.1	1.544	2.433	14.6	19.7

336668 2009 YS_{22} 5 19.4 135°.09 1°.7/18.5 17

4 11	16 11.77	−16 47.1	1.937	2.757	14.4	21.0
4 21	16 7.52	−16 25.7	1.857	2.760	11.2	20.8
5 1	16 0.99	−16 0.2	1.798	2.763	7.5	20.6
5 11	15 52.82	−15 32.6	1.765	2.765	3.6	20.4
5 21	15 43.87	−15 5.4	1.759	2.768	2.0	20.3
5 31	15 35.14	−14 41.9	1.780	2.771	5.6	20.5
6 10	15 27.59	−14 25.1	1.827	2.773	9.4	20.7
6 20	15 21.90	−14 17.2	1.897	2.775	12.8	21.0

213887 2003 SV_{275} 5 19.4 220°.29 1°.5/18.6 17

4 11	16 14.91	−17 57.0	2.038	2.846	14.1	22.5
4 21	16 10.02	−17 28.1	1.939	2.836	11.1	22.3
5 1	16 2.74	−16 53.2	1.863	2.825	7.5	22.0
5 11	15 53.68	−16 14.1	1.813	2.813	3.6	21.8
5 21	15 43.69	−15 33.5	1.791	2.801	1.8	21.6
5 31	15 33.78	−14 55.1	1.797	2.787	5.6	21.8
6 10	15 24.99	−14 22.8	1.830	2.773	9.6	22.1
6 20	15 18.06	−13 59.7	1.887	2.758	13.2	22.3

354527 2004 RJ_{152} 5 19.4 336°.94 0°.3/19.5 16

4 11	16 5.73	−24 1.5	1.741	2.568	15.4	19.6
4 21	16 3.33	−23 23.1	1.647	2.552	12.2	19.3
5 1	15 58.46	−22 31.7	1.573	2.538	8.3	19.1
5 11	15 51.74	−21 29.0	1.524	2.524	4.0	18.8
5 21	15 44.07	−20 18.5	1.500	2.512	0.7	18.5
5 31	15 36.54	−19 5.5	1.502	2.500	5.4	18.8
6 10	15 30.22	−17 56.5	1.530	2.489	9.8	19.0
6 20	15 25.89	−16 57.1	1.580	2.479	13.8	19.3

338223 2002 TK_{34} 5 19.4 149°.68 1°.8/20.6 17

4 11	16 13.12	−26 46.7	2.755	3.534	11.6	22.3
4 21	16 7.96	−26 52.0	2.669	3.543	9.2	22.1
5 1	16 0.98	−26 49.5	2.606	3.552	6.5	21.9
5 11	15 52.73	−26 38.9	2.569	3.561	3.6	21.8
5 21	15 43.90	−26 20.5	2.561	3.569	1.8	21.6
5 31	15 35.25	−25 56.3	2.583	3.576	3.8	21.8
6 10	15 27.53	−25 28.9	2.633	3.583	6.7	22.0
6 20	15 21.30	−25 1.5	2.710	3.590	9.3	22.2

391305 2006 SJ_{385} 5 19.4 259°.37 4°.9/16.4 16

4 11	16 9.39	− 6 19.0	2.330	3.144	12.4	21.3
4 21	16 5.31	− 5 39.2	2.238	3.132	9.9	21.1
5 1	15 59.36	− 5 1.7	2.170	3.120	7.4	20.9
5 11	15 52.04	− 4 30.2	2.127	3.108	5.3	20.7
5 21	15 44.02	− 4 8.0	2.111	3.096	5.2	20.7
5 31	15 36.08	− 3 58.0	2.122	3.083	7.2	20.8
6 10	15 29.00	− 4 1.6	2.159	3.071	10.0	21.0
6 20	15 23.37	− 4 19.0	2.219	3.058	12.7	21.1

165996 2002 AH_{30} 5 19.4 349°.72 3°.4/18.2 17

4 11	16 9.99	−14 33.2	1.188	2.043	19.3	19.5
4 21	16 7.54	−14 8.7	1.116	2.038	15.2	19.2
5 1	16 1.75	−13 40.8	1.062	2.034	10.4	18.9
5 11	15 53.41	−13 13.5	1.030	2.031	5.4	18.6
5 21	15 43.75	−12 50.9	1.021	2.028	3.8	18.5
5 31	15 34.33	−12 37.8	1.034	2.027	8.2	18.8
6 10	15 26.65	−12 38.0	1.070	2.026	13.3	19.1
6 20	15 21.73	−12 52.9	1.125	2.026	17.9	19.3

324980 2008 AS_{75} 5 19.4 155°.37 0°.5/19.1 17

4 11	16 14.50	−20 39.0	1.790	2.605	15.5	22.1
4 21	16 9.87	−20 15.7	1.710	2.610	12.2	21.9
5 1	16 2.68	−19 44.6	1.652	2.615	8.2	21.6
5 11	15 53.63	−19 6.9	1.618	2.619	3.8	21.4
5 21	15 43.73	−18 25.5	1.611	2.623	1.0	21.2
5 31	15 34.11	−17 44.2	1.631	2.626	5.5	21.5
6 10	15 25.85	−17 7.7	1.678	2.629	9.7	21.8
6 20	15 19.72	−16 39.7	1.748	2.631	13.4	22.0

198264 2004 TB_{257} 5 19.4 243°.67 5°.0/21.2 18

4 11	16 17.76	−31 15.8	2.057	2.832	15.1	21.0
4 21	16 12.76	−32 12.2	1.957	2.822	12.5	20.8
5 1	16 4.93	−32 59.4	1.880	2.813	9.5	20.5
5 11	15 54.85	−33 33.6	1.826	2.803	6.5	20.3
5 21	15 43.46	−33 52.1	1.799	2.793	5.0	20.2
5 31	15 32.00	−33 54.3	1.800	2.782	6.4	20.3
6 10	15 21.74	−33 43.3	1.827	2.771	9.5	20.4
6 20	15 13.66	−33 23.9	1.877	2.761	12.7	20.6

15888 1997 EE_{29} 5 19.4 50°.83 0°.4/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 13.14	−21 56.9	1.392	2.224	18.3	18.6
4 21	16 9.45	−21 49.2	1.327	2.235	14.3	18.4
5 1	16 2.67	−21 32.1	1.281	2.247	9.7	18.1
5 11	15 53.69	−21 6.4	1.258	2.259	4.6	17.9
5 21	15 43.73	−20 34.6	1.260	2.272	0.9	17.6
5 31	15 34.22	−20 1.0	1.287	2.285	6.0	18.0
6 10	15 26.44	−19 30.8	1.338	2.298	10.8	18.3
6 20	15 21.24	−19 8.3	1.410	2.311	15.0	18.6

344585 2003 BG_{70} 5 19.4 151°.69 3°.4/17.4 18

4 11	16 11.18	− 8 52.4	2.653	3.458	11.3	21.0
4 21	16 6.33	− 8 33.4	2.573	3.465	8.9	20.9
5 1	15 59.83	− 8 16.3	2.517	3.471	6.3	20.7
5 11	15 52.19	− 8 3.1	2.488	3.477	4.0	20.6
5 21	15 44.03	− 7 55.9	2.488	3.483	3.6	20.5
5 31	15 36.04	− 7 56.3	2.516	3.489	5.6	20.7
6 10	15 28.88	− 8 5.5	2.572	3.494	8.1	20.8
6 20	15 23.07	− 8 23.5	2.653	3.498	10.6	21.0

90255 2003 BM_{69} 5 19.4 342°.68 4°.3/17.4 18

4 11	16 9.58	− 8 47.0	1.935	2.761	14.1	19.4
4 21	16 5.82	− 8 25.8	1.853	2.756	11.2	19.2
5 1	15 59.88	− 8 7.0	1.793	2.752	8.0	19.0
5 11	15 52.33	− 7 53.9	1.758	2.749	5.1	18.8
5 21	15 43.99	− 7 49.3	1.749	2.745	4.6	18.8
5 31	15 35.80	− 7 55.6	1.766	2.743	7.1	18.9
6 10	15 28.67	− 8 13.9	1.808	2.740	10.4	19.1
6 20	15 23.29	− 8 44.1	1.873	2.738	13.5	19.3

55936 1998 FO_{76} 5 19.4 84°.36 0°.4/19.2 18

4 11	16 11.50	−18 50.4	2.233	3.042	13.0	19.0
4 21	16 7.00	−18 51.0	2.155	3.052	10.1	18.8
5 1	16 0.48	−18 47.6	2.101	3.062	6.8	18.7
5 11	15 52.54	−18 41.1	2.072	3.073	3.1	18.4
5 21	15 43.96	−18 32.7	2.071	3.083	0.8	18.3
5 31	15 35.60	−18 24.3	2.099	3.093	4.5	18.6
6 10	15 28.28	−18 18.1	2.153	3.103	8.0	18.8
6 20	15 22.62	−18 16.2	2.232	3.113	11.0	19.0

190300 1996 RV 5 19.4 220°.19 7°.5/12.2 18

4 11	16 12.56	− 2 22.1	2.355	3.157	12.7	20.4
4 21	16 7.68	− 0 13.6	2.268	3.147	10.5	20.2
5 1	16 0.90	+ 1 54.7	2.208	3.136	8.5	20.1
5 11	15 52.76	+ 3 55.4	2.175	3.125	7.5	20.0
5 21	15 43.93	+ 5 41.5	2.171	3.113	8.2	20.0
5 31	15 35.23	+ 7 7.1	2.195	3.100	10.0	20.1
6 10	15 27.44	+ 8 8.9	2.244	3.087	12.3	20.2
6 20	15 21.14	+ 8 46.5	2.314	3.073	14.6	20.4

428266 2007 DG_{28} 5 19.4 252°.92 5°.0/16.8 17

4 11	16 11.28	− 9 7.9	1.828	2.654	14.8	21.5
4 21	16 7.30	− 8 22.1	1.744	2.647	11.8	21.2
5 1	16 0.96	− 7 36.7	1.681	2.640	8.5	21.0
5 11	15 52.88	− 6 56.1	1.643	2.632	5.6	20.8
5 21	15 43.91	− 6 24.7	1.631	2.625	5.3	20.8
5 31	15 35.09	− 6 6.2	1.646	2.617	8.0	20.9
6 10	15 27.42	− 6 3.1	1.685	2.610	11.4	21.1
6 20	15 21.63	− 6 15.9	1.745	2.602	14.7	21.3

16996 Dahir 5 19.4 344°.45 4°.4/20.5 18

4 11	16 9.34	−25 41.1	1.068	1.919	21.3	17.4
4 21	16 7.97	−26 37.4	0.992	1.908	17.3	17.1
5 1	16 2.67	−27 24.4	0.933	1.898	12.5	16.8
5 11	15 54.11	−27 58.1	0.894	1.890	7.4	16.5
5 21	15 43.63	−28 15.4	0.876	1.883	4.4	16.3
5 31	15 33.18	−28 16.4	0.879	1.877	7.9	16.4
6 10	15 24.74	−28 6.2	0.903	1.873	13.2	16.7
6 20	15 19.67	−27 51.9	0.945	1.870	18.2	17.0

304480 2006 UU_{89} 5 19.4 258°.95 0°.7/19.8 18

4 11	16 10.86	−22 52.5	2.428	3.227	12.4	21.6
4 21	16 6.61	−22 47.9	2.322	3.212	9.8	21.4
5 1	16 0.35	−22 36.6	2.239	3.197	6.7	21.2
5 11	15 52.57	−22 18.7	2.182	3.181	3.3	20.9
5 21	15 43.98	−21 55.3	2.154	3.165	0.8	20.7
5 31	15 35.43	−21 28.6	2.153	3.149	4.2	20.9
6 10	15 27.75	−21 1.5	2.181	3.133	7.7	21.1
6 20	15 21.63	−20 37.3	2.233	3.116	10.9	21.3

387495 1995 SJ_{84} 5 19.4 246°.19 4°.6/21.5 15

4 11	16 17.11	−32 21.0	2.304	3.069	14.0	21.9
4 21	16 11.99	−33 1.4	2.194	3.052	11.6	21.7
5 1	16 4.29	−33 31.8	2.105	3.035	8.8	21.5
5 11	15 54.54	−33 49.2	2.042	3.017	6.1	21.3
5 21	15 43.59	−33 51.4	2.005	2.998	4.6	21.2
5 31	15 32.53	−33 38.6	1.997	2.979	5.9	21.2
6 10	15 22.53	−33 13.9	2.016	2.960	8.8	21.4
6 20	15 14.47	−32 41.9	2.059	2.939	11.8	21.5

83464 Irishmccalla 5 19.4 281°.52 0°.3/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 12.62	−19 53.7	2.164	2.972	13.4	18.9
4 21	16 8.28	−20 10.1	2.060	2.955	10.6	18.7
5 1	16 1.65	−20 23.0	1.979	2.939	7.3	18.5
5 11	15 53.25	−20 32.2	1.922	2.922	3.5	18.2
5 21	15 43.85	−20 38.0	1.894	2.906	0.7	17.9
5 31	15 34.40	−20 41.5	1.893	2.889	4.7	18.2
6 10	15 25.90	−20 44.8	1.920	2.872	8.6	18.4
6 20	15 19.13	−20 50.3	1.971	2.855	12.1	18.6

422952 2002 VO_{121} 5 19.4 220°.80 0°.6/19.1 17

4 11	16 14.86	−19 11.2	2.080	2.886	14.0	22.3
4 21	16 9.99	−19 1.9	1.982	2.877	11.0	22.1
5 1	16 2.75	−18 47.2	1.907	2.867	7.4	21.8
5 11	15 53.73	−18 28.1	1.857	2.857	3.5	21.6
5 21	15 43.76	−18 6.2	1.835	2.846	1.0	21.3
5 31	15 33.87	−17 44.0	1.841	2.834	5.1	21.6
6 10	15 25.05	−17 24.7	1.874	2.822	9.1	21.8
6 20	15 18.09	−17 11.4	1.931	2.809	12.6	22.0

479204 2013 CK_{107} 5 19.4 194°.64 0°.6/19.8 16

4 11	16 10.24	−22 51.3	2.758	3.552	11.2	22.9
4 21	16 5.76	−22 45.4	2.663	3.550	8.8	22.7
5 1	15 59.56	−22 33.5	2.592	3.548	6.0	22.5
5 11	15 52.12	−22 16.0	2.547	3.545	2.9	22.3
5 21	15 44.09	−21 53.9	2.531	3.543	0.7	22.1
5 31	15 36.17	−21 29.2	2.545	3.540	3.7	22.3
6 10	15 29.07	−21 4.4	2.586	3.536	6.8	22.5
6 20	15 23.34	−20 42.2	2.653	3.533	9.5	22.7

154058 2002 CX_{161} 5 19.4 169°.15 0°.4/19.2 18

4 11	16 13.92	−19 33.3	2.180	2.985	13.4	20.5
4 21	16 9.01	−19 26.3	2.094	2.988	10.5	20.4
5 1	16 1.92	−19 14.2	2.031	2.991	7.1	20.1
5 11	15 53.28	−18 57.9	1.994	2.994	3.3	19.9
5 21	15 43.88	−18 38.8	1.984	2.996	0.8	19.7
5 31	15 34.67	−18 19.3	2.003	2.997	4.7	20.0
6 10	15 26.54	−18 2.4	2.050	2.998	8.4	20.2
6 20	15 20.17	−17 50.6	2.121	2.999	11.6	20.4

457409 2008 TH_{136} 5 19.4 200°.59 3°.1/20.5 16

4 11	16 19.07	−26 26.5	1.622	2.425	17.4	22.1
4 21	16 14.19	−26 57.5	1.535	2.422	14.0	21.9
5 1	16 6.08	−27 19.0	1.467	2.419	10.0	21.6
5 11	15 55.45	−27 28.2	1.423	2.416	5.7	21.3
5 21	15 43.45	−27 23.8	1.405	2.412	3.1	21.2
5 31	15 31.56	−27 7.4	1.413	2.407	6.2	21.3
6 10	15 21.25	−26 43.5	1.447	2.402	10.5	21.6
6 20	15 13.55	−26 17.9	1.503	2.397	14.6	21.8

254207 2004 RU_{83} 5 19.4 268°.55 5°.3/16.2 18

4 11	16 10.83	− 2 11.1	2.728	3.526	11.2	20.3
4 21	16 6.22	− 1 46.9	2.624	3.503	9.2	20.1
5 1	15 59.91	− 1 27.7	2.543	3.481	7.1	20.0
5 11	15 52.33	− 1 16.7	2.488	3.458	5.5	19.8
5 21	15 44.07	− 1 16.4	2.461	3.434	5.5	19.8
5 31	15 35.79	− 1 28.8	2.463	3.411	7.1	19.8
6 10	15 28.21	− 1 54.5	2.490	3.387	9.4	20.0
6 20	15 21.87	− 2 32.9	2.542	3.362	11.8	20.1

25645 Alexanderyan 5 19.4 355°.95 4°.7/17.7 17

4 11	16 11.06	−10 43.4	1.357	2.202	17.9	18.4
4 21	16 7.90	−10 16.3	1.284	2.200	14.2	18.2
5 1	16 1.76	− 9 50.4	1.232	2.198	10.0	17.9
5 11	15 53.38	− 9 29.8	1.201	2.197	6.0	17.7
5 21	15 43.87	− 9 18.8	1.194	2.196	5.1	17.6
5 31	15 34.60	− 9 20.9	1.211	2.196	8.5	17.8
6 10	15 26.89	− 9 38.0	1.252	2.197	12.9	18.1
6 20	15 21.62	−10 10.0	1.312	2.198	16.9	18.3

29609 Claudiahuang 5 19.4 264°.47 1°.6/18.4 18

4 11	16 10.36	−18 24.2	2.122	2.937	13.4	19.2
4 21	16 6.42	−17 42.4	2.020	2.921	10.5	18.9
5 1	16 0.32	−16 53.4	1.941	2.904	7.1	18.7
5 11	15 52.59	−15 59.5	1.887	2.888	3.4	18.4
5 21	15 44.02	−15 4.0	1.862	2.871	1.9	18.3
5 31	15 35.52	−14 11.1	1.864	2.854	5.5	18.5
6 10	15 28.01	−13 25.1	1.893	2.836	9.3	18.7
6 20	15 22.20	−12 49.5	1.945	2.819	12.7	18.8

306883 2001 TK_{38} 5 19.4 242°.49 3°.4/21.2 18

4 11	16 15.78	−29 58.8	2.193	2.972	14.2	20.7
4 21	16 10.92	−30 13.1	2.085	2.955	11.6	20.5
5 1	16 3.53	−30 16.4	1.997	2.938	8.5	20.2
5 11	15 54.17	−30 6.7	1.935	2.921	5.3	20.0
5 21	15 43.71	−29 43.5	1.900	2.902	3.4	19.8
5 31	15 33.24	−29 8.2	1.893	2.883	5.3	19.9
6 10	15 23.87	−28 25.0	1.913	2.864	8.7	20.1
6 20	15 16.45	−27 39.2	1.957	2.844	12.1	20.3

207397 2005 YZ_{273} 5 19.4 203°.05 4°.3/17.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 16.67	−10 26.6	1.652	2.474	16.3	21.2
4 21	16 11.81	−10 3.2	1.569	2.471	12.9	21.0
5 1	16 4.18	− 9 40.7	1.507	2.467	9.1	20.8
5 11	15 54.47	− 9 22.7	1.469	2.463	5.4	20.5
5 21	15 43.68	− 9 12.5	1.457	2.458	4.6	20.5
5 31	15 33.05	− 9 13.0	1.472	2.453	7.8	20.6
6 10	15 23.79	− 9 26.1	1.512	2.447	11.8	20.9
6 20	15 16.76	− 9 52.3	1.574	2.441	15.6	21.1

497963 2007 AD_{29} 5 19.4 109°.53 1°.4/18.7 17

4 11	16 14.40	−17 44.3	1.892	2.707	14.8	22.4
4 21	16 9.50	−17 21.5	1.823	2.722	11.5	22.2
5 1	16 2.27	−16 53.9	1.775	2.738	7.7	22.0
5 11	15 53.43	−16 23.5	1.753	2.753	3.6	21.8
5 21	15 43.90	−15 52.8	1.758	2.768	1.7	21.7
5 31	15 34.74	−15 25.2	1.791	2.782	5.4	21.9
6 10	15 26.88	−15 4.0	1.850	2.796	9.3	22.2
6 20	15 20.99	−14 51.5	1.932	2.809	12.6	22.4

184634 2005 SB_{12} 5 19.4 241°.80 2°.8/21.0 18

4 11	16 13.12	−29 3.7	2.797	3.568	11.6	20.5
4 21	16 8.24	−29 28.9	2.688	3.554	9.4	20.3
5 1	16 1.41	−29 46.4	2.601	3.540	6.9	20.1
5 11	15 53.09	−29 55.0	2.541	3.526	4.3	19.9
5 21	15 43.94	−29 53.8	2.509	3.511	2.8	19.8
5 31	15 34.78	−29 43.7	2.506	3.495	4.3	19.9
6 10	15 26.42	−29 26.9	2.532	3.479	7.0	20.0
6 20	15 19.52	−29 6.7	2.583	3.463	9.7	20.2

7862 Keikonakamura 5 19.4 215°.46 0°.5/19.7 18

4 11	16 11.91	−22 10.6	2.233	3.036	13.2	18.3
4 21	16 7.51	−22 7.9	2.140	3.032	10.4	18.1
5 1	16 0.98	−21 58.7	2.070	3.029	7.1	17.9
5 11	15 52.89	−21 43.2	2.026	3.025	3.4	17.7
5 21	15 43.99	−21 22.7	2.009	3.021	0.7	17.4
5 31	15 35.23	−20 59.4	2.020	3.016	4.4	17.7
6 10	15 27.49	−20 36.5	2.059	3.012	8.1	17.9
6 20	15 21.44	−20 16.9	2.122	3.007	11.4	18.1

506931 2008 FC_{64} 5 19.4 105°.16 4°.3/22.1 17

4 11	16 13.14	−33 41.5	2.428	3.192	13.4	22.0
4 21	16 8.46	−34 4.7	2.344	3.201	11.0	21.9
5 1	16 1.59	−34 16.0	2.282	3.209	8.4	21.7
5 11	15 53.15	−34 13.5	2.244	3.217	5.8	21.6
5 21	15 43.97	−33 56.7	2.234	3.225	4.3	21.5
5 31	15 35.00	−33 27.3	2.251	3.233	5.3	21.5
6 10	15 27.16	−32 49.0	2.295	3.241	7.7	21.7
6 20	15 21.10	−32 6.3	2.364	3.249	10.3	21.9

303360 2004 TP_{359} 5 19.4 181°.53 0°.5/19.2 16

4 11	16 16.92	−19 57.9	1.908	2.714	15.0	22.3
4 21	16 11.70	−19 42.8	1.821	2.716	11.8	22.1
5 1	16 3.93	−19 21.0	1.756	2.717	8.0	21.9
5 11	15 54.30	−18 53.6	1.717	2.717	3.7	21.6
5 21	15 43.75	−18 22.6	1.704	2.716	1.0	21.4
5 31	15 33.41	−17 51.1	1.721	2.714	5.3	21.7
6 10	15 24.36	−17 23.3	1.763	2.712	9.5	21.9
6 20	15 17.38	−17 2.5	1.830	2.709	13.2	22.1

299816 2006 SA_{150} 5 19.4 112°.06 0°.6/19.8 17

4 11	16 11.57	−23 4.6	2.681	3.473	11.5	22.2
4 21	16 6.69	−22 56.5	2.605	3.491	9.0	22.0
5 1	16 0.11	−22 42.1	2.553	3.509	6.1	21.8
5 11	15 52.37	−22 22.0	2.528	3.526	3.0	21.7
5 21	15 44.15	−21 57.4	2.531	3.542	0.7	21.5
5 31	15 36.17	−21 30.5	2.564	3.559	3.7	21.7
6 10	15 29.12	−21 4.0	2.624	3.575	6.7	22.0
6 20	15 23.50	−20 40.4	2.711	3.590	9.4	22.2

199436 2006 DV_{25} 5 19.4 214°.33 2°.2/18.2 18

4 11	16 12.08	−15 12.5	2.247	3.058	12.9	21.4
4 21	16 7.54	−14 44.0	2.154	3.052	10.1	21.2
5 1	16 0.95	−14 12.2	2.083	3.045	6.9	21.0
5 11	15 52.87	−13 39.3	2.039	3.038	3.5	20.8
5 21	15 44.04	−13 8.0	2.023	3.030	2.4	20.7
5 31	15 35.32	−12 41.3	2.035	3.022	5.4	20.9
6 10	15 27.57	−12 21.9	2.075	3.013	8.9	21.1
6 20	15 21.44	−12 11.9	2.138	3.004	12.1	21.3

179458 2002 AQ_{177} 5 19.4 122°.37 1°.0/18.7 18 R

4 11	16 10.51	−17 17.5	2.776	3.578	11.0	21.5
4 21	16 5.77	−17 1.4	2.700	3.593	8.5	21.3
5 1	15 59.46	−16 42.1	2.647	3.607	5.7	21.2
5 11	15 52.06	−16 21.2	2.622	3.621	2.7	21.0
5 21	15 44.21	−16 0.1	2.625	3.635	1.3	20.9
5 31	15 36.57	−15 40.9	2.658	3.649	4.0	21.1
6 10	15 29.77	−15 25.7	2.720	3.662	6.9	21.3
6 20	15 24.28	−15 16.0	2.806	3.674	9.4	21.5

416382 2003 UU_{9} 5 19.4 215°.87 0°.3/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 16.18	−21 30.7	1.987	2.790	14.6	22.3
4 21	16 11.20	−21 27.7	1.889	2.782	11.6	22.1
5 1	16 3.69	−21 17.7	1.814	2.773	7.9	21.9
5 11	15 54.25	−21 1.1	1.764	2.764	3.8	21.6
5 21	15 43.78	−20 38.8	1.742	2.754	0.7	21.3
5 31	15 33.38	−20 13.5	1.748	2.743	5.1	21.6
6 10	15 24.16	−19 48.9	1.780	2.731	9.2	21.9
6 20	15 16.94	−19 28.7	1.837	2.719	13.0	22.1

306618 2000 QY_{25} 5 19.4 190°.98 10°.9/ 9.2 18

4 11	16 12.08	+17 10.6	2.717	3.449	12.8	21.1
4 21	16 7.08	+18 41.1	2.658	3.447	11.8	21.0
5 1	16 0.39	+19 57.1	2.621	3.445	11.1	21.0
5 11	15 52.53	+20 52.8	2.606	3.442	10.9	20.9
5 21	15 44.13	+21 24.2	2.615	3.438	11.3	21.0
5 31	15 35.89	+21 29.4	2.645	3.433	12.2	21.0
6 10	15 28.51	+21 8.9	2.697	3.427	13.3	21.1
6 20	15 22.49	+20 25.5	2.766	3.421	14.5	21.2

513316 2007 DH_{113} 5 19.4 225°.83 9°.0/26.1 18

4 11	16 24.90	−55 19.3	3.379	3.981	12.5	22.4
4 21	16 18.28	−56 27.3	3.274	3.968	11.6	22.3
5 1	16 8.68	−57 20.1	3.187	3.955	10.5	22.2
5 11	15 56.70	−57 52.9	3.122	3.941	9.6	22.1
5 21	15 43.30	−58 2.2	3.079	3.927	9.1	22.0
5 31	15 29.81	−57 46.6	3.060	3.912	9.1	22.0
6 10	15 17.57	−57 8.5	3.065	3.897	9.7	22.0
6 20	15 7.62	−56 12.6	3.092	3.881	10.6	22.1

164080 2003 WJ_{96} 5 19.4 260°.36 0°.0/19.4 17 R

4 11	16 11.51	−20 57.2	2.041	2.852	14.0	20.8
4 21	16 7.44	−20 48.9	1.947	2.844	11.0	20.6
5 1	16 1.08	−20 34.0	1.875	2.837	7.5	20.4
5 11	15 53.00	−20 13.3	1.828	2.829	3.5	20.1
5 21	15 44.04	−19 48.4	1.809	2.821	0.7	19.9
5 31	15 35.18	−19 22.0	1.817	2.813	4.9	20.2
6 10	15 27.40	−18 57.6	1.851	2.804	8.8	20.4
6 20	15 21.44	−18 38.4	1.910	2.796	12.4	20.6

97977 2000 QO_{169} 5 19.4 44°.90 4°.0/21.3 18

4 11	16 14.37	−30 0.8	1.385	2.199	19.3	19.4
4 21	16 10.87	−30 9.6	1.311	2.203	15.6	19.2
5 1	16 3.95	−30 1.6	1.255	2.207	11.4	18.9
5 11	15 54.48	−29 34.7	1.220	2.211	6.9	18.7
5 21	15 43.76	−28 49.4	1.210	2.215	4.0	18.5
5 31	15 33.43	−27 50.0	1.224	2.220	6.6	18.7
6 10	15 24.98	−26 44.6	1.262	2.224	11.1	18.9
6 20	15 19.38	−25 41.3	1.321	2.229	15.3	19.2

289689 2005 GW_{166} 5 19.4 286°.23 0°.5/19.7 16

4 11	16 10.98	−21 49.0	2.054	2.865	13.9	21.3
4 21	16 7.10	−21 48.0	1.956	2.852	11.0	21.1
5 1	16 0.90	−21 40.3	1.879	2.839	7.5	20.9
5 11	15 52.96	−21 26.3	1.827	2.827	3.6	20.6
5 21	15 44.06	−21 7.0	1.802	2.814	0.7	20.4
5 31	15 35.21	−20 44.9	1.805	2.801	4.8	20.6
6 10	15 27.40	−20 23.3	1.834	2.788	8.8	20.8
6 20	15 21.40	−20 5.5	1.886	2.776	12.3	21.0

316459 2010 UN_{89} 5 19.4 41°.08 0°.1/19.5 17

4 11	16 12.74	−21 7.1	1.300	2.139	18.9	20.5
4 21	16 9.36	−21 1.8	1.238	2.151	14.8	20.3
5 1	16 2.76	−20 47.7	1.195	2.163	10.0	20.0
5 11	15 53.86	−20 25.8	1.174	2.175	4.7	19.7
5 21	15 43.92	−19 58.7	1.177	2.188	0.9	19.5
5 31	15 34.46	−19 30.5	1.204	2.202	6.3	19.9
6 10	15 26.81	−19 6.4	1.255	2.216	11.2	20.2
6 20	15 21.83	−18 50.3	1.327	2.231	15.5	20.5

257430 2010 LC_{95} 5 19.4 247°.83 5°.1/22.8 18

4 11	16 14.63	−38 10.0	3.011	3.740	11.8	21.7
4 21	16 9.55	−38 43.4	2.896	3.722	10.0	21.5
5 1	16 2.38	−39 5.6	2.802	3.703	8.0	21.3
5 11	15 53.61	−39 14.0	2.734	3.684	6.2	21.2
5 21	15 43.95	−39 7.2	2.692	3.664	5.2	21.1
5 31	15 34.25	−38 45.5	2.679	3.644	5.7	21.1
6 10	15 25.39	−38 11.3	2.693	3.623	7.5	21.2
6 20	15 18.09	−37 28.6	2.733	3.602	9.6	21.3

33617 Kailashraman 5 19.4 149°.15 0°.3/19.3 18

4 11	16 17.07	−19 31.5	1.667	2.483	16.5	18.7
4 21	16 12.15	−19 31.5	1.590	2.489	12.9	18.4
5 1	16 4.42	−19 25.9	1.533	2.495	8.7	18.2
5 11	15 54.60	−19 15.1	1.500	2.501	4.1	17.9
5 21	15 43.78	−19 0.7	1.494	2.506	0.9	17.7
5 31	15 33.24	−18 45.3	1.515	2.510	5.7	18.1
6 10	15 24.18	−18 32.6	1.561	2.514	10.2	18.3
6 20	15 17.43	−18 25.8	1.631	2.518	14.1	18.6

127910 2003 GV_{26} 5 19.4 226°.09 4°.0/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 8.03	−10 11.9	2.489	3.304	11.7	20.5
4 21	16 4.12	− 9 10.4	2.401	3.299	9.2	20.3
5 1	15 58.52	− 8 7.5	2.338	3.294	6.6	20.1
5 11	15 51.71	− 7 7.1	2.302	3.289	4.4	20.0
5 21	15 44.34	− 6 13.0	2.293	3.284	4.3	20.0
5 31	15 37.10	− 5 28.9	2.313	3.279	6.4	20.1
6 10	15 30.70	− 4 57.3	2.359	3.273	9.1	20.2
6 20	15 25.64	− 4 39.5	2.428	3.267	11.7	20.4

283479 2001 RO_{40} 5 19.4 215°.34 5°.1/22.7 18

4 11	16 16.11	−37 41.7	2.952	3.682	12.0	21.8
4 21	16 10.67	−38 17.4	2.846	3.673	10.1	21.6
5 1	16 3.11	−38 41.8	2.761	3.664	8.1	21.5
5 11	15 53.94	−38 52.4	2.702	3.653	6.2	21.4
5 21	15 43.91	−38 47.7	2.670	3.643	5.1	21.3
5 31	15 33.89	−38 28.0	2.666	3.632	5.7	21.3
6 10	15 24.79	−37 56.0	2.690	3.620	7.5	21.4
6 20	15 17.30	−37 15.8	2.739	3.608	9.6	21.5

59981 1999 SZ_{6} 5 19.4 294°.80 4°.3/21.3 18

4 11	16 14.76	−31 14.4	2.350	3.122	13.6	19.6
4 21	16 10.31	−31 52.0	2.221	3.085	11.3	19.4
5 1	16 3.32	−32 20.8	2.114	3.048	8.6	19.1
5 11	15 54.24	−32 38.2	2.032	3.010	5.8	18.9
5 21	15 43.82	−32 41.9	1.976	2.972	4.3	18.7
5 31	15 33.09	−32 31.7	1.949	2.934	5.8	18.7
6 10	15 23.19	−32 10.1	1.948	2.895	8.8	18.9
6 20	15 15.07	−31 41.4	1.972	2.856	12.1	19.0

306141 2010 KN_{10} 5 19.4 315°.13 0°.7/19.7 17

4 11	16 11.38	−23 29.3	1.288	2.126	19.1	20.3
4 21	16 8.73	−23 13.8	1.205	2.117	15.2	20.0
5 1	16 2.68	−22 45.1	1.141	2.108	10.5	19.7
5 11	15 54.00	−22 3.9	1.099	2.100	5.1	19.3
5 21	15 43.89	−21 12.7	1.080	2.092	1.0	19.0
5 31	15 33.96	−20 17.1	1.085	2.084	6.6	19.4
6 10	15 25.76	−19 24.6	1.113	2.077	12.1	19.6
6 20	15 20.34	−18 41.6	1.162	2.070	16.9	19.9

36786 2000 SN_{14} 5 19.4 149°.97 1°.6/18.4 18

4 11	16 12.50	−19 5.9	2.128	2.937	13.6	18.8
4 21	16 7.85	−18 11.9	2.047	2.945	10.6	18.6
5 1	16 1.12	−17 10.4	1.989	2.951	7.1	18.4
5 11	15 52.94	−16 4.4	1.957	2.957	3.4	18.1
5 21	15 44.13	−14 57.6	1.954	2.963	1.9	18.0
5 31	15 35.61	−13 54.7	1.980	2.969	5.3	18.3
6 10	15 28.22	−13 0.1	2.032	2.973	8.9	18.5
6 20	15 22.57	−12 16.9	2.109	2.978	12.1	18.7

50721 2000 EU_{141} 5 19.4 141°.21 2°.1/18.5 18

4 11	16 16.01	−14 13.8	1.972	2.783	14.4	19.0
4 21	16 10.76	−14 6.6	1.895	2.792	11.3	18.8
5 1	16 3.18	−13 58.1	1.841	2.802	7.6	18.6
5 11	15 53.94	−13 50.2	1.812	2.810	3.9	18.4
5 21	15 43.94	−13 44.5	1.811	2.818	2.4	18.3
5 31	15 34.19	−13 43.2	1.838	2.826	5.7	18.5
6 10	15 25.66	−13 48.2	1.891	2.833	9.4	18.8
6 20	15 19.04	−14 0.8	1.969	2.840	12.7	19.0

295731 2008 UO_{62} 5 19.4 155°.59 1°.5/20.3 17

4 11	16 14.10	−24 57.0	2.409	3.197	12.8	21.8
4 21	16 9.05	−25 4.2	2.322	3.204	10.1	21.6
5 1	16 1.93	−25 3.9	2.258	3.210	7.0	21.4
5 11	15 53.34	−24 55.8	2.221	3.216	3.7	21.2
5 21	15 44.05	−24 40.5	2.211	3.221	1.5	21.1
5 31	15 34.94	−24 19.7	2.231	3.226	4.2	21.3
6 10	15 26.86	−23 56.5	2.278	3.230	7.5	21.5
6 20	15 20.45	−23 34.1	2.351	3.234	10.5	21.7

133794 2003 WL_{130} 5 19.4 260°.34 1°.2/18.9 18

4 11	16 14.15	−15 53.0	2.191	2.999	13.3	19.7
4 21	16 9.42	−16 1.6	2.087	2.982	10.5	19.4
5 1	16 2.43	−16 8.9	2.005	2.966	7.1	19.2
5 11	15 53.69	−16 15.8	1.949	2.949	3.4	18.9
5 21	15 43.97	−16 22.9	1.921	2.931	1.5	18.7
5 31	15 34.20	−16 31.7	1.922	2.914	5.1	19.0
6 10	15 25.35	−16 43.9	1.950	2.896	8.9	19.2
6 20	15 18.20	−17 0.9	2.002	2.878	12.3	19.3

43767 Permeke 5 19.4 172°.63 0°.0/19.4 18

4 11	16 10.66	−22 0.2	2.627	3.424	11.6	19.5
4 21	16 6.13	−21 35.5	2.537	3.426	9.1	19.3
5 1	15 59.85	−21 4.1	2.470	3.428	6.1	19.1
5 11	15 52.33	−20 27.0	2.430	3.430	2.9	18.9
5 21	15 44.25	−19 46.2	2.419	3.431	0.5	18.7
5 31	15 36.34	−19 4.5	2.438	3.432	3.9	19.0
6 10	15 29.32	−18 25.1	2.484	3.433	7.1	19.2
6 20	15 23.73	−17 50.7	2.556	3.433	10.0	19.4

208897 2002 TM_{141} 5 19.4 287°.43 20°.2/23.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 27.61	−50 42.3	1.155	1.893	26.5	20.3
4 21	16 25.70	−53 43.8	1.085	1.884	24.6	20.1
5 1	16 17.27	−56 24.7	1.028	1.875	22.7	19.9
5 11	16 2.20	−58 27.5	0.986	1.866	21.1	19.8
5 21	15 42.19	−59 34.6	0.961	1.857	20.3	19.7
5 31	15 21.19	−59 36.1	0.952	1.849	20.5	19.6
6 10	15 3.89	−58 37.9	0.959	1.840	21.8	19.7
6 20	14 53.30	−56 57.0	0.980	1.832	23.9	19.8

308585 2005 UO_{514} 5 19.4 195°.54 1°.2/18.6 16

4 11	16 9.53	−16 54.8	2.628	3.435	11.4	22.1
4 21	16 5.26	−16 37.0	2.538	3.434	8.8	21.9
5 1	15 59.28	−16 16.0	2.471	3.432	5.9	21.7
5 11	15 52.09	−15 53.2	2.430	3.430	2.9	21.5
5 21	15 44.31	−15 30.4	2.419	3.428	1.5	21.4
5 31	15 36.65	−15 10.0	2.436	3.426	4.3	21.6
6 10	15 29.81	−14 54.0	2.480	3.423	7.4	21.8
6 20	15 24.32	−14 44.3	2.550	3.420	10.2	22.0

272584 2005 VE_{42} 5 19.4 106°.49 3°.9/16.9 18

4 11	16 13.08	−12 5.9	2.062	2.877	13.7	21.4
4 21	16 8.14	−10 59.6	2.000	2.898	10.7	21.2
5 1	16 1.20	− 9 51.5	1.961	2.919	7.4	21.0
5 11	15 52.93	− 8 46.1	1.948	2.940	4.6	20.9
5 21	15 44.17	− 7 47.8	1.963	2.959	4.3	20.9
5 31	15 35.79	− 7 0.7	2.006	2.979	6.7	21.1
6 10	15 28.60	− 6 27.7	2.076	2.997	9.8	21.3
6 20	15 23.13	− 6 9.7	2.168	3.015	12.6	21.5

189582 2000 VC_{14} 5 19.4 274°.24 1°.1/18.8 16

4 11	16 12.57	−19 7.6	2.008	2.821	14.1	21.4
4 21	16 8.49	−18 40.0	1.895	2.794	11.2	21.1
5 1	16 1.98	−18 5.1	1.804	2.767	7.6	20.8
5 11	15 53.55	−17 24.2	1.739	2.739	3.6	20.5
5 21	15 44.01	−16 40.0	1.700	2.711	1.5	20.3
5 31	15 34.38	−15 56.2	1.690	2.682	5.6	20.5
6 10	15 25.74	−15 17.3	1.706	2.653	9.8	20.7
6 20	15 18.94	−14 47.1	1.745	2.623	13.7	20.9

50715 2000 EV_{136} 5 19.4 299°.24 0°.7/19.1 18

4 11	16 11.01	−18 48.7	2.006	2.822	14.0	19.1
4 21	16 7.04	−18 41.1	1.917	2.818	11.0	18.8
5 1	16 0.81	−18 28.8	1.851	2.814	7.4	18.6
5 11	15 52.90	−18 12.8	1.809	2.810	3.5	18.4
5 21	15 44.15	−17 54.8	1.795	2.806	1.0	18.2
5 31	15 35.53	−17 37.3	1.808	2.803	5.0	18.4
6 10	15 28.00	−17 23.5	1.847	2.799	8.9	18.7
6 20	15 22.27	−17 15.8	1.910	2.795	12.4	18.9

357821 2005 UP_{27} 5 19.4 309°.38 1°.1/18.7 16

4 11	16 8.24	−19 16.6	2.240	3.055	12.8	20.6
4 21	16 4.60	−18 40.5	2.149	3.050	10.0	20.4
5 1	15 59.01	−17 57.8	2.081	3.044	6.7	20.2
5 11	15 52.01	−17 10.6	2.039	3.039	3.1	20.0
5 21	15 44.33	−16 21.9	2.024	3.034	1.4	19.8
5 31	15 36.80	−15 35.2	2.037	3.029	4.8	20.1
6 10	15 30.23	−14 54.3	2.077	3.025	8.4	20.3
6 20	15 25.22	−14 22.1	2.142	3.020	11.5	20.5

140513 2001 TY_{166} 5 19.4 200°.77 3°.7/21.9 17

4 11	16 13.02	−32 50.5	2.678	3.439	12.3	20.8
4 21	16 8.23	−33 4.3	2.580	3.436	10.1	20.6
5 1	16 1.42	−33 7.1	2.504	3.433	7.6	20.4
5 11	15 53.14	−32 57.5	2.453	3.429	5.1	20.3
5 21	15 44.11	−32 35.3	2.430	3.425	3.7	20.1
5 31	15 35.21	−32 2.0	2.435	3.420	4.8	20.2
6 10	15 27.27	−31 20.9	2.468	3.415	7.2	20.4
6 20	15 20.93	−30 36.3	2.527	3.410	9.8	20.5

501430 2013 YD_{150} 5 19.4 222°.83 2°.0/20.5 18

4 11	16 15.07	−26 30.9	2.346	3.130	13.2	22.2
4 21	16 10.08	−26 38.3	2.242	3.120	10.6	22.0
5 1	16 2.82	−26 37.0	2.160	3.109	7.5	21.8
5 11	15 53.86	−26 26.1	2.104	3.097	4.2	21.5
5 21	15 43.98	−26 5.9	2.076	3.084	2.0	21.4
5 31	15 34.15	−25 38.1	2.077	3.071	4.5	21.5
6 10	15 25.33	−25 6.2	2.106	3.058	8.0	21.7
6 20	15 18.25	−24 34.2	2.160	3.043	11.2	21.9

309174 2007 BS_{64} 5 19.4 174°.54 1°.9/18.0 18

4 11	16 8.92	−14 24.4	2.946	3.751	10.3	22.1
4 21	16 4.54	−13 58.0	2.858	3.753	8.0	21.9
5 1	15 58.67	−13 29.7	2.795	3.754	5.4	21.7
5 11	15 51.77	−13 1.3	2.759	3.756	2.9	21.6
5 21	15 44.39	−12 34.8	2.751	3.757	2.1	21.5
5 31	15 37.14	−12 12.3	2.774	3.757	4.4	21.7
6 10	15 30.62	−11 55.8	2.824	3.758	7.0	21.8
6 20	15 25.29	−11 46.5	2.899	3.758	9.5	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
430355 2013 YX_{148}			5 19.4 261°.49		1°.3/20.0 18	
	h m	° ′			°	m
4 11	16 13.99	−23 46.7	1.938	2.743	14.9	21.6
4 21	16 9.75	−23 50.6	1.834	2.726	11.9	21.3
5 1	16 2.89	−23 46.3	1.751	2.709	8.3	21.1
5 11	15 54.00	−23 33.2	1.693	2.691	4.2	20.8
5 21	15 43.95	−23 12.0	1.662	2.673	1.3	20.5
5 31	15 33.88	−22 44.9	1.658	2.655	5.1	20.7
6 10	15 24.94	−22 15.9	1.681	2.636	9.4	21.0
6 20	15 18.01	−21 49.3	1.727	2.617	13.2	21.1
390163 2012 VM_{101}			5 19.4 120°.21		0°.6/19.1 17	
4 11	16 11.44	−19 2.8	2.354	3.160	12.5	22.1
4 21	16 6.89	−18 50.3	2.274	3.170	9.8	21.9
5 1	16 0.42	−18 33.2	2.218	3.179	6.5	21.7
5 11	15 52.63	−18 12.7	2.188	3.188	3.0	21.5
5 21	15 44.24	−17 50.5	2.186	3.197	0.9	21.4
5 31	15 36.06	−17 29.1	2.213	3.206	4.4	21.6
6 10	15 28.87	−17 11.0	2.267	3.215	7.7	21.9
6 20	15 23.26	−16 58.3	2.346	3.223	10.7	22.1
56581 2000 JT_{27}			5 19.4 28°.11		1°.9/20.2 18	
4 11	16 13.09	−25 4.0	1.229	2.065	20.0	19.2
4 21	16 10.09	−25 4.6	1.159	2.068	15.9	19.0
5 1	16 3.57	−24 51.7	1.108	2.072	11.1	18.7
5 11	15 54.38	−24 24.8	1.078	2.077	5.7	18.4
5 21	15 43.91	−23 45.8	1.071	2.082	2.0	18.2
5 31	15 33.83	−22 59.5	1.088	2.088	6.5	18.5
6 10	15 25.69	−22 13.2	1.128	2.094	11.8	18.8
6 20	15 20.50	−21 33.4	1.189	2.100	16.4	19.1
503329 2016 BO_{8}			5 19.4 30°.49		3°.4/17.9 17	
4 11	16 10.57	−15 40.8	1.278	2.127	18.6	21.0
4 21	16 7.62	−14 52.5	1.214	2.133	14.5	20.8
5 1	16 1.60	−13 58.4	1.169	2.140	9.9	20.5
5 11	15 53.36	−13 3.2	1.147	2.147	5.2	20.3
5 21	15 44.12	−12 12.6	1.148	2.155	3.8	20.2
5 31	15 35.29	−11 32.5	1.174	2.164	7.9	20.5
6 10	15 28.18	−11 7.6	1.222	2.173	12.6	20.8
6 20	15 23.60	−10 59.8	1.291	2.182	16.7	21.0
146205 2000 UW_{62}			5 19.4 279°.55		0°.5/19.8 18	
4 11	16 9.39	−24 1.8	2.292	3.095	12.9	19.7
4 21	16 5.59	−23 31.4	2.190	3.082	10.2	19.5
5 1	15 59.74	−22 51.2	2.110	3.068	7.0	19.3
5 11	15 52.40	−22 2.2	2.056	3.055	3.4	19.0
5 21	15 44.29	−21 6.8	2.030	3.041	0.7	18.8
5 31	15 36.28	−20 8.4	2.032	3.028	4.4	19.0
6 10	15 29.24	−19 11.7	2.061	3.014	8.1	19.2
6 20	15 23.80	−18 20.7	2.115	3.000	11.4	19.4
42632 1998 FQ_{53}			5 19.4 140°.49		1°.7/20.2 18	
4 11	16 15.55	−24 56.8	1.632	2.444	16.9	19.5
4 21	16 11.17	−24 57.4	1.553	2.448	13.5	19.3
5 1	16 3.87	−24 47.2	1.494	2.452	9.4	19.0
5 11	15 54.42	−24 25.8	1.459	2.456	4.8	18.8
5 21	15 43.91	−23 54.3	1.449	2.460	1.7	18.6
5 31	15 33.70	−23 16.3	1.466	2.463	5.6	18.8
6 10	15 25.03	−22 37.1	1.509	2.466	10.0	19.1
6 20	15 18.76	−22 1.8	1.574	2.469	14.0	19.3
278958 2008 UX_{90}			5 19.4 257°.54		1°.0/18.9 17	
4 11	16 10.97	−19 25.9	1.959	2.776	14.3	21.2
4 21	16 7.08	−18 55.6	1.868	2.769	11.2	21.0
5 1	16 0.87	−18 18.3	1.798	2.762	7.6	20.7
5 11	15 52.96	−17 35.6	1.754	2.755	3.5	20.5
5 21	15 44.19	−16 50.6	1.737	2.748	1.4	20.3
5 31	15 35.56	−16 7.1	1.747	2.740	5.4	20.5
6 10	15 28.06	−15 29.4	1.783	2.733	9.4	20.8
6 20	15 22.40	−15 0.9	1.843	2.725	12.9	21.0
505094 2011 WB_{15}			5 19.4 186°.21		3°.7/21.8 18	
4 11	16 14.62	−33 7.4	3.122	3.870	11.0	22.2
4 21	16 9.23	−33 41.6	3.023	3.869	9.1	22.0
5 1	16 2.00	−34 7.0	2.947	3.868	6.9	21.9
5 11	15 53.41	−34 21.9	2.898	3.867	4.8	21.8
5 21	15 44.11	−34 25.4	2.877	3.865	3.7	21.7
5 31	15 34.85	−34 17.9	2.885	3.863	4.6	21.7
6 10	15 26.40	−34 1.6	2.921	3.860	6.6	21.9
6 20	15 19.37	−33 39.6	2.984	3.857	8.8	22.0
3496 Arieso			5 19.4 170°.33		9°.1/11.1 17	
4 11	16 12.74	+16 38.6	3.209	3.932	11.2	21.5
4 21	16 7.27	+17 44.6	3.152	3.938	10.2	21.4
5 1	16 0.39	+18 37.6	3.117	3.943	9.4	21.4
5 11	15 52.54	+19 13.4	3.106	3.947	9.1	21.4
5 21	15 44.29	+19 29.1	3.119	3.951	9.4	21.4
5 31	15 36.23	+19 23.6	3.156	3.953	10.2	21.4
6 10	15 28.92	+18 57.3	3.215	3.955	11.2	21.5
6 20	15 22.79	+18 12.5	3.294	3.956	12.3	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
405425 2004 RE_{346}			5 19.4 187°.51		1°.3/18.8 16	
	h m	° ′			°	m
4 11	16 15.94	−18 51.2	1.838	2.650	15.3	22.1
4 21	16 11.05	−18 22.0	1.751	2.650	12.0	21.9
5 1	16 3.58	−17 45.9	1.686	2.649	8.1	21.6
5 11	15 54.24	−17 4.8	1.647	2.647	3.8	21.4
5 21	15 43.97	−16 21.6	1.635	2.645	1.6	21.2
5 31	15 33.92	−15 40.4	1.650	2.642	5.8	21.5
6 10	15 25.16	−15 5.6	1.692	2.638	10.0	21.7
6 20	15 18.50	−14 40.6	1.757	2.634	13.7	21.9
393916 2005 UN_{45}			5 19.4 240°.75		2°.4/17.5 18	
4 11	16 8.81	−13 34.0	2.825	3.632	10.6	22.0
4 21	16 4.63	−12 54.0	2.723	3.618	8.3	21.8
5 1	15 58.85	−12 11.3	2.644	3.603	5.7	21.7
5 11	15 51.93	−11 28.5	2.593	3.588	3.2	21.5
5 21	15 44.42	−10 48.0	2.571	3.573	2.7	21.4
5 31	15 36.97	−10 12.8	2.577	3.557	5.0	21.5
6 10	15 30.22	− 9 45.2	2.612	3.540	7.7	21.7
6 20	15 24.69	− 9 26.9	2.671	3.524	10.3	21.8
509796 2008 UK_{259}			5 19.5 246°.27		3°.8/17.5 18	
4 11	16 13.01	− 9 45.2	2.265	3.075	12.9	22.0
4 21	16 8.36	− 9 20.4	2.164	3.058	10.2	21.8
5 1	16 1.63	− 8 56.2	2.085	3.041	7.2	21.5
5 11	15 53.33	− 8 35.6	2.033	3.024	4.5	21.3
5 21	15 44.17	− 8 21.1	2.008	3.006	4.0	21.3
5 31	15 35.03	− 8 15.5	2.012	2.987	6.5	21.4
6 10	15 26.76	− 8 20.4	2.042	2.968	9.7	21.5
6 20	15 20.06	− 8 36.6	2.096	2.948	12.8	21.7
214481 2005 TQ_{99}			5 19.5 322°.02		2°.6/17.8 16	
4 11	16 6.70	−16 55.9	1.858	2.690	14.4	19.7
4 21	16 3.92	−16 0.8	1.762	2.672	11.3	19.5
5 1	15 58.87	−14 57.9	1.687	2.654	7.7	19.2
5 11	15 52.10	−13 50.8	1.637	2.637	4.0	18.9
5 21	15 44.42	−12 44.1	1.614	2.620	2.9	18.8
5 31	15 36.83	−11 43.2	1.617	2.604	6.4	19.0
6 10	15 30.30	−10 53.1	1.645	2.588	10.4	19.2
6 20	15 25.57	−10 17.3	1.695	2.573	14.1	19.4
425026 2009 FB_{70}			5 19.5 329°.48		2°.0/18.8 17	
4 11	16 8.93	−16 33.7	1.222	2.076	19.0	20.6
4 21	16 6.95	−16 25.6	1.138	2.060	15.0	20.3
5 1	16 1.64	−16 13.2	1.073	2.045	10.3	20.0
5 11	15 53.65	−15 58.6	1.028	2.031	5.0	19.6
5 21	15 44.11	−15 44.9	1.007	2.017	2.4	19.4
5 31	15 34.59	−15 35.9	1.008	2.005	7.5	19.7
6 10	15 26.65	−15 35.8	1.032	1.994	13.0	19.9
6 20	15 21.45	−15 47.2	1.074	1.984	17.9	20.2
497315 2005 TO_{99}			5 19.5 174°.32		1°.3/20.2 17	
4 11	16 15.08	−24 36.3	2.217	3.010	13.6	23.1
4 21	16 10.03	−24 33.7	2.128	3.013	10.8	22.9
5 1	16 2.74	−24 22.8	2.061	3.015	7.5	22.7
5 11	15 53.83	−24 3.3	2.020	3.017	3.8	22.5
5 21	15 44.12	−23 36.4	2.007	3.018	1.3	22.3
5 31	15 34.61	−23 4.4	2.023	3.018	4.5	22.5
6 10	15 26.22	−22 31.1	2.066	3.018	8.1	22.7
6 20	15 19.64	−22 0.3	2.134	3.018	11.3	22.9
206133 2002 SC_{64}			5 19.5 99°.42		12°.5/27.1 18	
4 11	16 23.53	−47 40.0	1.170	1.925	25.4	20.2
4 21	16 19.85	−48 15.8	1.103	1.933	22.4	20.0
5 1	16 10.92	−48 16.8	1.049	1.940	19.0	19.8
5 11	15 58.01	−47 32.6	1.012	1.948	15.5	19.6
5 21	15 43.38	−45 58.3	0.994	1.955	13.0	19.5
5 31	15 29.80	−43 38.6	0.998	1.963	12.8	19.5
6 10	15 19.54	−40 49.5	1.023	1.970	14.8	19.7
6 20	15 13.69	−37 51.2	1.070	1.977	18.1	19.9
360027 2013 AF_{27}			5 19.5 256°.49		2°.4/18.0 18	
4 11	16 10.18	−13 50.9	2.349	3.162	12.3	21.7
4 21	16 6.07	−13 25.6	2.251	3.150	9.7	21.5
5 1	16 0.03	−12 58.1	2.176	3.137	6.6	21.3
5 11	15 52.57	−12 30.9	2.127	3.124	3.6	21.1
5 21	15 44.36	−12 6.2	2.106	3.111	2.7	21.0
5 31	15 36.20	−11 46.8	2.113	3.098	5.4	21.1
6 10	15 28.91	−11 35.1	2.147	3.084	8.7	21.3
6 20	15 23.11	−11 32.6	2.205	3.070	11.8	21.5
420898 2013 LK_{30}			5 19.5 234°.41		2°.0/18.5 17	
4 11	16 15.16	−16 33.4	1.870	2.685	15.0	21.6
4 21	16 10.56	−16 6.8	1.772	2.672	11.8	21.4
5 1	16 3.39	−15 35.1	1.696	2.658	8.0	21.1
5 11	15 54.25	−15 0.4	1.644	2.644	4.0	20.9
5 21	15 44.04	−14 25.6	1.620	2.629	2.3	20.7
5 31	15 33.87	−13 54.5	1.624	2.613	6.1	20.9
6 10	15 24.86	−13 30.9	1.653	2.597	10.4	21.1
6 20	15 17.85	−13 17.7	1.706	2.580	14.2	21.3

140444 2001 TR_{115} 5 19.5 212°.57 1°.0/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 10.48	−25 52.5	2.399	3.194	12.7	19.9
4 21	16 6.29	−25 22.9	2.305	3.191	10.0	19.7
5 1	16 0.13	−24 43.1	2.234	3.188	6.9	19.5
5 11	15 52.58	−23 53.8	2.188	3.185	3.5	19.3
5 21	15 44.37	−22 57.2	2.171	3.182	1.0	19.1
5 31	15 36.35	−21 56.7	2.182	3.179	4.1	19.3
6 10	15 29.33	−20 56.8	2.222	3.175	7.5	19.5
6 20	15 23.89	−20 1.6	2.286	3.172	10.6	19.7

216842 2006 XY_{37} 5 19.5 268°.75 2°.0/18.4 18

4 11	16 9.88	−14 39.5	2.391	3.204	12.2	21.1
4 21	16 5.81	−14 24.4	2.294	3.193	9.5	20.9
5 1	15 59.84	−14 7.4	2.220	3.181	6.5	20.6
5 11	15 52.48	−13 50.2	2.172	3.170	3.3	20.4
5 21	15 44.38	−13 34.8	2.151	3.159	2.2	20.3
5 31	15 36.34	−13 23.5	2.160	3.147	5.0	20.5
6 10	15 29.15	−13 18.3	2.195	3.136	8.3	20.7
6 20	15 23.42	−13 20.6	2.254	3.124	11.3	20.8

268487 2005 XJ_{84} 5 19.5 249°.56 3°.2/17.6 18

4 11	16 12.46	−13 24.8	2.058	2.874	13.7	20.7
4 21	16 8.17	−12 44.2	1.958	2.858	10.8	20.5
5 1	16 1.63	−12 0.3	1.880	2.841	7.5	20.3
5 11	15 53.38	−11 16.1	1.828	2.823	4.2	20.0
5 21	15 44.21	−10 35.1	1.803	2.805	3.5	20.0
5 31	15 35.07	−10 1.5	1.806	2.787	6.5	20.1
6 10	15 26.92	− 9 38.4	1.834	2.768	10.2	20.3
6 20	15 20.51	− 9 27.9	1.887	2.748	13.6	20.5

51994 2001 TJ_{58} 5 19.5 89°.71 1°.9/21.4 18

4 11	16 5.05	−29 52.0	4.474	5.237	7.7	19.6
4 21	16 1.22	−30 4.3	4.382	5.243	6.2	19.5
5 1	15 56.33	−30 11.0	4.314	5.249	4.5	19.4
5 11	15 50.71	−30 11.7	4.273	5.255	2.9	19.3
5 21	15 44.73	−30 6.7	4.261	5.261	1.9	19.2
5 31	15 38.82	−29 56.7	4.279	5.266	2.8	19.3
6 10	15 33.40	−29 43.1	4.325	5.272	4.4	19.4
6 20	15 28.81	−29 27.5	4.398	5.278	6.0	19.5

214779 2006 UB_{80} 5 19.5 264°.35 1°.4/18.7 16

4 11	16 10.20	−17 1.0	2.261	3.074	12.8	21.3
4 21	16 6.19	−16 43.9	2.166	3.065	10.0	21.1
5 1	16 0.15	−16 23.0	2.093	3.056	6.7	20.8
5 11	15 52.64	−16 0.0	2.047	3.047	3.3	20.6
5 21	15 44.36	−15 36.8	2.028	3.037	1.6	20.5
5 31	15 36.17	−15 16.0	2.037	3.028	4.9	20.7
6 10	15 28.90	−15 0.4	2.073	3.019	8.5	20.9
6 20	15 23.20	−14 52.1	2.133	3.009	11.7	21.0

247863 2003 UQ_{74} 5 19.5 334°.50 0°.2/19.6 18

4 11	16 9.91	−23 58.9	1.798	2.615	15.4	19.9
4 21	16 6.50	−23 20.3	1.711	2.612	12.1	19.7
5 1	16 0.59	−22 29.6	1.646	2.608	8.3	19.4
5 11	15 52.89	−21 28.4	1.605	2.605	3.9	19.2
5 21	15 44.32	−20 20.1	1.590	2.602	0.7	18.9
5 31	15 35.98	−19 10.1	1.602	2.599	5.2	19.2
6 10	15 28.92	−18 4.2	1.640	2.596	9.5	19.5
6 20	15 23.88	−17 7.8	1.701	2.594	13.3	19.7

355247 2007 EH_{193} 5 19.5 203°.25 3°.7/22.0 18

4 11	16 12.36	−33 20.1	2.852	3.609	11.8	21.4
4 21	16 7.66	−33 39.6	2.753	3.605	9.7	21.2
5 1	16 1.04	−33 48.9	2.676	3.602	7.4	21.1
5 11	15 53.03	−33 46.5	2.626	3.598	5.1	20.9
5 21	15 44.30	−33 32.0	2.602	3.594	3.8	20.8
5 31	15 35.67	−33 6.4	2.607	3.590	4.7	20.9
6 10	15 27.92	−32 32.7	2.640	3.586	6.9	21.0
6 20	15 21.68	−31 54.7	2.699	3.581	9.3	21.1

482431 2012 CH_{37} 5 19.5 193°.91 2°.0/20.9 18

4 11	16 9.41	−28 28.1	2.858	3.637	11.2	21.4
4 21	16 5.19	−28 20.9	2.762	3.636	9.0	21.2
5 1	15 59.27	−28 4.7	2.690	3.635	6.4	21.0
5 11	15 52.16	−27 39.5	2.644	3.634	3.7	20.9
5 21	15 44.47	−27 6.1	2.626	3.632	2.0	20.7
5 31	15 36.92	−26 26.6	2.637	3.631	3.7	20.9
6 10	15 30.20	−25 44.2	2.676	3.629	6.4	21.0
6 20	15 24.85	−25 2.1	2.741	3.627	9.1	21.2

357765 2005 SC_{128} 5 19.5 210°.76 4°.1/15.9 18

4 11	16 8.17	− 7 16.2	2.992	3.797	10.2	22.2
4 21	16 3.97	− 6 21.9	2.901	3.790	8.1	22.1
5 1	15 58.33	− 5 28.4	2.835	3.783	6.0	21.9
5 11	15 51.69	− 4 38.6	2.796	3.776	4.3	21.8
5 21	15 44.55	− 3 55.8	2.786	3.768	4.3	21.8
5 31	15 37.52	− 3 22.6	2.804	3.759	6.0	21.9
6 10	15 31.15	− 3 0.8	2.849	3.750	8.2	22.0
6 20	15 25.91	− 2 51.2	2.919	3.741	10.4	22.2

478097 2011 UF_{54} 5 19.5 252°.83 0°.6/19.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 9.17	−20 33.7	2.429	3.236	12.2	21.1
4 21	16 5.23	−19 58.4	2.332	3.228	9.5	20.9
5 1	15 59.42	−19 16.1	2.258	3.220	6.4	20.7
5 11	15 52.26	−18 28.3	2.211	3.211	3.0	20.5
5 21	15 44.45	−17 37.7	2.191	3.203	1.0	20.3
5 31	15 36.76	−16 47.7	2.201	3.194	4.4	20.5
6 10	15 29.96	−16 1.9	2.238	3.185	7.8	20.7
6 20	15 24.64	−15 23.5	2.299	3.176	10.9	20.9

333695 2008 UL_{280} 5 19.5 246°.50 6°.5/15.1 18

4 11	16 10.85	− 3 21.4	2.239	3.049	13.0	21.1
4 21	16 6.63	− 2 15.8	2.147	3.034	10.6	20.9
5 1	16 0.43	− 1 13.1	2.077	3.018	8.3	20.8
5 11	15 52.78	− 0 18.2	2.033	3.001	6.7	20.6
5 21	15 44.35	+ 0 24.0	2.016	2.984	6.9	20.6
5 31	15 35.99	+ 0 49.9	2.025	2.967	8.8	20.7
6 10	15 28.50	+ 0 57.3	2.059	2.949	11.4	20.8
6 20	15 22.54	+ 0 46.4	2.116	2.931	14.0	21.0

356836 2011 VU_{1} 5 19.5 175°.16 3°.5/21.6 17

4 11	16 13.05	−31 30.5	2.653	3.420	12.3	21.5
4 21	16 8.27	−31 51.9	2.560	3.421	10.0	21.4
5 1	16 1.49	−32 3.4	2.489	3.422	7.5	21.2
5 11	15 53.25	−32 3.7	2.444	3.423	4.9	21.0
5 21	15 44.27	−31 52.3	2.427	3.424	3.5	20.9
5 31	15 35.41	−31 30.4	2.438	3.424	4.7	21.0
6 10	15 27.51	−31 1.1	2.476	3.424	7.2	21.2
6 20	15 21.20	−30 28.2	2.540	3.424	9.8	21.3

509334 2006 XJ_{12} 5 19.5 196°.70 0°.9/18.9 17

4 11	16 11.04	−17 10.9	2.810	3.610	10.9	22.8
4 21	16 6.37	−17 5.2	2.715	3.607	8.5	22.6
5 1	16 0.04	−16 56.8	2.645	3.604	5.7	22.5
5 11	15 52.52	−16 46.6	2.601	3.601	2.7	22.2
5 21	15 44.41	−16 36.0	2.587	3.597	1.1	22.1
5 31	15 36.38	−16 26.5	2.602	3.593	4.0	22.3
6 10	15 29.12	−16 20.0	2.645	3.588	7.0	22.5
6 20	15 23.16	−16 18.1	2.714	3.583	9.7	22.7

470139 2006 UH_{57} 5 19.5 205°.14 2°.4/21.1 18

4 11	16 11.81	−29 6.3	2.458	3.239	12.8	22.0
4 21	16 7.39	−29 1.4	2.362	3.236	10.3	21.8
5 1	16 0.92	−28 45.9	2.289	3.233	7.4	21.6
5 11	15 52.98	−28 19.2	2.241	3.230	4.3	21.4
5 21	15 44.32	−27 42.3	2.221	3.226	2.4	21.2
5 31	15 35.82	−26 57.5	2.229	3.223	4.3	21.4
6 10	15 28.32	−26 8.8	2.265	3.219	7.4	21.5
6 20	15 22.46	−25 20.4	2.326	3.214	10.4	21.7

399330 1999 TV_{241} 5 19.5 217°.49 0°.4/19.0 18

4 11	16 5.87	−18 14.4	4.432	5.222	7.3	22.9
4 21	16 1.79	−18 6.2	4.325	5.212	5.7	22.7
5 1	15 56.70	−17 55.7	4.244	5.202	3.8	22.6
5 11	15 50.88	−17 43.5	4.192	5.191	1.8	22.4
5 21	15 44.72	−17 30.6	4.169	5.180	0.6	22.3
5 31	15 38.58	−17 18.0	4.177	5.169	2.6	22.5
6 10	15 32.89	−17 7.0	4.215	5.157	4.6	22.6
6 20	15 27.95	−16 58.6	4.279	5.145	6.5	22.7

255860 2006 SV_{165} 5 19.5 130°.53 0°.3/19.3 17

4 11	16 13.98	−21 41.3	1.705	2.522	16.1	20.6
4 21	16 9.69	−21 14.5	1.627	2.528	12.6	20.4
5 1	16 2.75	−20 38.2	1.570	2.533	8.5	20.2
5 11	15 53.90	−19 54.2	1.538	2.539	4.0	19.9
5 21	15 44.17	−19 5.4	1.532	2.544	0.8	19.7
5 31	15 34.75	−18 16.3	1.553	2.549	5.5	20.0
6 10	15 26.76	−17 32.1	1.600	2.553	9.9	20.3
6 20	15 20.96	−16 56.9	1.669	2.558	13.7	20.5

472951 2015 GE_{31} 5 19.5 338°.39 4°.1/20.7 16

4 11	16 11.77	−26 37.1	1.542	2.361	17.4	20.7
4 21	16 8.83	−27 32.0	1.452	2.348	14.2	20.5
5 1	16 2.76	−28 19.3	1.382	2.336	10.3	20.2
5 11	15 54.17	−28 55.9	1.334	2.325	6.3	19.9
5 21	15 44.08	−29 19.2	1.311	2.315	4.1	19.8
5 31	15 33.94	−29 28.9	1.312	2.306	6.6	19.9
6 10	15 25.21	−29 28.1	1.338	2.298	10.8	20.1
6 20	15 19.01	−29 21.7	1.385	2.291	14.8	20.3

479865 2014 GM_{38} 5 19.5 143°.68 5°.9/15.0 18

4 11	16 8.56	− 3 11.1	2.509	3.317	11.8	21.4
4 21	16 4.46	− 2 4.7	2.437	3.322	9.6	21.3
5 1	15 58.73	− 1 2.0	2.389	3.328	7.4	21.1
5 11	15 51.89	− 0 7.5	2.367	3.333	6.0	21.1
5 21	15 44.55	+ 0 35.1	2.372	3.338	6.2	21.1
5 31	15 37.39	+ 1 2.7	2.405	3.342	7.8	21.2
6 10	15 31.08	+ 1 14.1	2.462	3.347	10.0	21.3
6 20	15 26.10	+ 1 9.5	2.542	3.351	12.1	21.5

469118 2015 DP_{150} 5 19.5 308.°77 1.°6/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 9.16	−22 14.5	1.555	2.386	16.7	20.4
4 21	16 6.39	−20 57.6	1.459	2.368	13.2	20.2
5 1	16 0.82	−19 23.9	1.383	2.351	8.9	19.9
5 11	15 53.12	−17 36.6	1.332	2.334	4.2	19.5
5 21	15 44.31	−15 42.4	1.307	2.317	2.1	19.4
5 31	15 35.64	−13 50.2	1.308	2.301	6.8	19.6
6 10	15 28.34	−12 9.3	1.334	2.285	11.7	19.8
6 20	15 23.29	−10 46.7	1.382	2.269	16.1	20.1

295554 2008 SS_{42} 5 19.5 100.°89 0.°5/19.8 17

4 11	16 13.06	−22 31.8	2.004	2.811	14.4	21.2
4 21	16 8.57	−22 23.6	1.928	2.822	11.3	21.0
5 1	16 1.79	−22 7.7	1.873	2.833	7.7	20.8
5 11	15 53.40	−21 44.8	1.844	2.843	3.7	20.5
5 21	15 44.28	−21 16.5	1.842	2.854	0.7	20.3
5 31	15 35.45	−20 45.9	1.867	2.864	4.7	20.6
6 10	15 27.83	−20 16.5	1.920	2.874	8.5	20.9
6 20	15 22.10	−19 51.9	1.996	2.883	11.8	21.1

116114 2003 WZ_{135} 5 19.5 275.°97 0.°3/19.6 18

4 11	16 12.27	−20 48.9	2.013	2.824	14.2	20.1
4 21	16 8.20	−20 52.8	1.916	2.813	11.2	19.9
5 1	16 1.75	−20 51.1	1.841	2.802	7.7	19.6
5 11	15 53.49	−20 44.1	1.791	2.791	3.7	19.3
5 21	15 44.25	−20 32.7	1.768	2.780	0.7	19.1
5 31	15 35.05	−20 19.0	1.773	2.769	4.9	19.4
6 10	15 26.91	−20 6.0	1.803	2.757	8.9	19.6
6 20	15 20.63	−19 56.7	1.858	2.746	12.5	19.8

343059 2009 CG_{22} 5 19.5 182.°81 0.°9/18.9 17

4 11	16 11.03	−18 39.4	2.261	3.071	12.9	22.0
4 21	16 6.77	−18 19.3	2.174	3.071	10.1	21.8
5 1	16 0.50	−17 54.1	2.109	3.071	6.8	21.6
5 11	15 52.80	−17 25.5	2.071	3.071	3.2	21.3
5 21	15 44.40	−16 55.5	2.060	3.071	1.2	21.2
5 31	15 36.17	−16 26.9	2.078	3.070	4.7	21.4
6 10	15 28.92	−16 2.8	2.122	3.069	8.2	21.6
6 20	15 23.29	−15 45.5	2.191	3.068	11.3	21.8

457373 2008 TZ_{20} 5 19.5 135.°09 0.°4/19.3 16

4 11	16 16.17	−20 50.9	1.498	2.321	17.6	22.3
4 21	16 11.77	−20 31.6	1.424	2.328	13.9	22.1
5 1	16 4.35	−20 3.3	1.370	2.334	9.4	21.8
5 11	15 54.72	−19 27.5	1.339	2.340	4.4	21.6
5 21	15 44.05	−18 47.0	1.334	2.346	1.0	21.3
5 31	15 33.74	−18 6.5	1.355	2.351	6.1	21.7
6 10	15 25.06	−17 31.1	1.401	2.356	10.9	22.0
6 20	15 18.89	−17 5.2	1.469	2.361	15.0	22.2

253929 2004 CN_{78} 5 19.5 126.°69 1.°4/20.2 17

4 11	16 16.28	−24 45.0	1.842	2.644	15.6	21.3
4 21	16 11.34	−24 43.8	1.766	2.655	12.4	21.1
5 1	16 3.80	−24 33.0	1.710	2.666	8.6	20.9
5 11	15 54.38	−24 12.2	1.680	2.677	4.4	20.7
5 21	15 44.12	−23 42.7	1.676	2.687	1.5	20.5
5 31	15 34.19	−23 7.8	1.700	2.697	5.0	20.7
6 10	15 25.67	−22 31.9	1.751	2.706	9.1	21.0
6 20	15 19.32	−21 59.5	1.825	2.715	12.7	21.2

176578 2002 CF_{32} 5 19.5 117.°78 5.°6/23.1 18

4 11	16 14.89	−37 52.9	2.551	3.291	13.4	20.8
4 21	16 9.96	−38 29.2	2.466	3.299	11.3	20.6
5 1	16 2.75	−38 52.3	2.402	3.307	9.0	20.5
5 11	15 53.88	−38 59.7	2.362	3.315	6.8	20.4
5 21	15 44.21	−38 50.0	2.348	3.323	5.6	20.3
5 31	15 34.73	−38 24.3	2.362	3.330	6.2	20.4
6 10	15 26.38	−37 46.0	2.403	3.338	8.0	20.5
6 20	15 19.87	−37 0.2	2.468	3.345	10.3	20.6

16748 1996 PD_9 5 19.5 255.°21 1.°4/18.7 18

4 11	16 10.69	−17 4.4	2.202	3.016	13.0	18.7
4 21	16 6.62	−16 46.7	2.109	3.008	10.2	18.5
5 1	16 0.49	−16 25.1	2.038	3.000	6.9	18.2
5 11	15 52.84	−16 1.1	1.993	2.993	3.3	18.0
5 21	15 44.40	−15 37.0	1.975	2.985	1.7	17.9
5 31	15 36.06	−15 15.5	1.986	2.977	5.0	18.1
6 10	15 28.69	−14 59.2	2.023	2.969	8.6	18.3
6 20	15 22.94	−14 50.4	2.084	2.961	11.9	18.5

177922 2005 SD_{244} 5 19.5 189.°93 3.°7/21.8 17

4 11	16 12.76	−32 4.7	2.560	3.327	12.7	21.1
4 21	16 8.16	−32 23.4	2.466	3.327	10.4	20.9
5 1	16 1.48	−32 31.6	2.394	3.326	7.8	20.8
5 11	15 53.28	−32 27.7	2.347	3.325	5.2	20.6
5 21	15 44.32	−32 11.3	2.327	3.324	3.7	20.5
5 31	15 35.49	−31 43.9	2.336	3.322	4.8	20.6
6 10	15 27.64	−31 8.7	2.372	3.320	7.4	20.7
6 20	15 21.44	−30 29.9	2.433	3.319	10.1	20.9

194870 2002 AP_{50} 5 19.5 74.°43 1.°9/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 15.10	−25 48.0	1.406	2.227	18.7	20.2
4 21	16 11.21	−25 42.3	1.336	2.236	14.9	20.0
5 1	16 4.10	−25 23.3	1.286	2.246	10.3	19.8
5 11	15 54.63	−24 50.7	1.257	2.255	5.4	19.5
5 21	15 44.09	−24 6.4	1.254	2.264	1.9	19.3
5 31	15 33.99	−23 15.2	1.276	2.274	6.0	19.6
6 10	15 25.68	−22 24.1	1.322	2.283	10.8	19.9
6 20	15 20.07	−21 39.1	1.389	2.293	15.0	20.1

127203 2002 HP_6 5 19.5 70.°59 1.°3/20.2 17

4 11	16 12.77	−24 59.4	1.793	2.603	15.7	20.2
4 21	16 8.65	−24 48.3	1.719	2.613	12.4	20.0
5 1	16 2.00	−24 26.7	1.666	2.624	8.6	19.8
5 11	15 53.55	−23 54.8	1.637	2.635	4.3	19.6
5 21	15 44.29	−23 14.7	1.635	2.646	1.4	19.4
5 31	15 35.38	−22 30.2	1.660	2.657	5.0	19.6
6 10	15 27.86	−21 46.2	1.710	2.668	9.0	19.9
6 20	15 22.44	−21 7.2	1.784	2.679	12.7	20.1

307041 2001 XG_{242} 5 19.5 104.°02 2.°2/18.6 16

4 11	16 16.35	−16 7.5	1.491	2.319	17.5	21.3
4 21	16 11.76	−15 48.7	1.424	2.330	13.7	21.1
5 1	16 4.25	−15 26.0	1.377	2.342	9.2	20.9
5 11	15 54.65	−15 1.8	1.353	2.353	4.5	20.6
5 21	15 44.10	−14 39.2	1.355	2.364	2.5	20.5
5 31	15 33.96	−14 21.7	1.383	2.375	6.7	20.8
6 10	15 25.44	−14 12.7	1.436	2.386	11.1	21.1
6 20	15 19.36	−14 14.3	1.511	2.396	15.1	21.3

262797 2006 YJ_{47} 5 19.5 29.°21 8.°3/26.6 18

4 11	16 14.82	−46 54.1	2.093	2.805	16.7	19.4
4 21	16 10.56	−47 2.1	2.013	2.814	14.7	19.3
5 1	16 3.39	−46 47.1	1.951	2.822	12.4	19.1
5 11	15 54.19	−46 5.3	1.909	2.832	10.1	19.0
5 21	15 44.19	−44 56.1	1.891	2.842	8.6	18.9
5 31	15 34.73	−43 22.4	1.898	2.852	8.5	19.0
6 10	15 27.00	−41 31.5	1.932	2.863	9.9	19.1
6 20	15 21.71	−39 32.2	1.989	2.874	12.0	19.2

40592 1999 RM_{143} 5 19.5 301.°81 2.°8/20.6 17

4 11	16 12.67	−26 9.2	1.716	2.527	16.3	19.1
4 21	16 9.35	−26 32.7	1.606	2.499	13.2	18.8
5 1	16 3.07	−26 47.3	1.517	2.472	9.5	18.5
5 11	15 54.35	−26 51.0	1.451	2.445	5.4	18.2
5 21	15 44.11	−26 42.8	1.410	2.418	2.8	18.0
5 31	15 33.64	−26 23.8	1.395	2.391	5.9	18.1
6 10	15 24.36	−25 58.0	1.405	2.364	10.4	18.3
6 20	15 17.36	−25 30.9	1.437	2.338	14.7	18.5

500060 2011 UQ_{246} 5 19.5 348.°04 0.°8/19.1 17

4 11	16 10.75	−21 29.5	1.253	2.097	19.2	21.0
4 21	16 8.18	−20 53.8	1.178	2.094	15.1	20.7
5 1	16 2.28	−20 5.4	1.121	2.091	10.3	20.4
5 11	15 53.89	−19 6.7	1.087	2.089	4.8	20.1
5 21	15 44.23	−18 2.3	1.075	2.087	1.4	19.8
5 31	15 34.88	−16 59.3	1.088	2.086	6.9	20.2
6 10	15 27.28	−16 5.2	1.124	2.085	12.3	20.5
6 20	15 22.41	−15 25.3	1.180	2.084	17.0	20.8

164204 2004 EK_{45} 5 19.5 142.°04 0.°8/19.9 18

4 11	16 12.02	−23 6.5	2.355	3.153	12.8	20.6
4 21	16 7.50	−23 2.8	2.270	3.159	10.0	20.4
5 1	16 0.97	−22 52.2	2.207	3.164	6.9	20.2
5 11	15 53.02	−22 35.0	2.171	3.169	3.4	20.0
5 21	15 44.40	−22 12.5	2.162	3.174	0.9	19.8
5 31	15 35.97	−21 46.8	2.182	3.178	4.1	20.1
6 10	15 28.54	−21 21.1	2.230	3.183	7.5	20.3
6 20	15 22.73	−20 58.4	2.302	3.187	10.6	20.5

431558 2007 UW_{13} 5 19.5 283.°94 6.°0/21.4 16

4 11	16 17.64	−32 57.7	2.022	2.793	15.5	21.1
4 21	16 13.03	−34 7.3	1.919	2.778	13.0	20.9
5 1	16 5.45	−35 7.8	1.836	2.762	10.1	20.7
5 11	15 55.44	−35 54.8	1.777	2.746	7.4	20.5
5 21	15 43.92	−36 24.2	1.744	2.730	6.0	20.4
5 31	15 32.19	−36 34.9	1.738	2.715	7.2	20.4
6 10	15 21.61	−36 29.2	1.758	2.699	10.0	20.5
6 20	15 13.28	−36 12.1	1.801	2.683	13.2	20.7

499631 2010 US_{98} 5 19.5 216.°65 1.°6/20.3 17

4 11	16 16.29	−25 0.1	2.006	2.801	14.8	22.9
4 21	16 11.41	−25 2.5	1.908	2.794	11.8	22.7
5 1	16 3.96	−24 55.9	1.832	2.786	8.2	22.4
5 11	15 54.56	−24 39.5	1.781	2.777	4.3	22.2
5 21	15 44.11	−24 13.9	1.757	2.767	1.6	21.9
5 31	15 33.75	−23 41.5	1.761	2.757	5.0	22.1
6 10	15 24.58	−23 6.5	1.792	2.746	9.0	22.4
6 20	15 17.43	−22 33.5	1.847	2.734	12.7	22.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
519438 2011 VO_{24}			5 19.5 100°.83		0°.1/19.4 17	
	h m	° ′			°	m
4 11	16 9.33	−22 10.4	2.385	3.190	12.4	21.4
4 21	16 5.34	−21 40.7	2.299	3.193	9.7	21.3
5 1	15 59.48	−21 3.4	2.236	3.196	6.6	21.1
5 11	15 52.31	−20 20.0	2.199	3.199	3.1	20.8
5 21	15 44.54	−19 32.8	2.191	3.202	0.6	20.6
5 31	15 36.97	−18 45.1	2.210	3.206	4.2	20.9
6 10	15 30.37	−18 0.5	2.258	3.209	7.6	21.1
6 20	15 25.28	−17 22.3	2.330	3.212	10.6	21.3
469839 2005 TG_{15}			5 19.5 201°.38		3°.3/22.1 18	
4 11	16 12.07	−33 15.8	2.924	3.681	11.5	21.9
4 21	16 7.34	−33 18.3	2.824	3.677	9.4	21.7
5 1	16 0.79	−33 9.9	2.745	3.673	7.1	21.5
5 11	15 52.93	−32 49.6	2.693	3.669	4.8	21.4
5 21	15 44.42	−32 17.5	2.668	3.664	3.4	21.3
5 31	15 36.06	−31 35.5	2.673	3.659	4.3	21.3
6 10	15 28.57	−30 46.8	2.705	3.653	6.6	21.5
6 20	15 22.54	−29 55.3	2.764	3.647	9.1	21.6
319302 2006 BV_{114}			5 19.5 192°.80		4°.8/15.7 17	
4 11	16 7.36	− 4 19.0	2.826	3.633	10.7	21.0
4 21	16 3.42	− 3 31.3	2.745	3.632	8.6	20.9
5 1	15 58.01	− 2 46.7	2.688	3.631	6.5	20.7
5 11	15 51.59	− 2 8.5	2.657	3.629	5.1	20.6
5 21	15 44.68	− 1 39.7	2.654	3.628	5.1	20.6
5 31	15 37.90	− 1 22.5	2.679	3.626	6.6	20.7
6 10	15 31.83	− 1 18.1	2.730	3.625	8.7	20.9
6 20	15 26.93	− 1 26.6	2.804	3.623	10.8	21.0
500609 2012 UG_{135}			5 19.5 147°.96		4°.2/15.9 17	
4 11	16 9.72	− 5 34.7	3.136	3.933	9.9	22.9
4 21	16 4.99	− 4 41.3	3.063	3.946	7.9	22.8
5 1	15 58.92	− 3 50.1	3.015	3.957	5.9	22.6
5 11	15 51.97	− 3 4.2	2.994	3.969	4.4	22.6
5 21	15 44.63	− 2 26.2	3.003	3.979	4.5	22.6
5 31	15 37.48	− 1 58.4	3.041	3.989	5.9	22.7
6 10	15 31.03	− 1 42.1	3.106	3.998	7.9	22.8
6 20	15 25.69	− 1 37.6	3.195	4.007	9.8	23.0
376376 2012 DR_{8}			5 19.5 158°.76		18°.4/ 9.8 18	
4 11	16 18.27	+15 14.1	1.272	2.061	22.0	21.0
4 21	16 13.58	+17 47.0	1.232	2.068	20.1	20.8
5 1	16 5.62	+19 54.5	1.209	2.073	18.8	20.8
5 11	15 55.33	+21 22.7	1.205	2.078	18.5	20.7
5 21	15 44.03	+22 2.6	1.219	2.082	19.1	20.8
5 31	15 33.26	+21 51.1	1.250	2.085	20.5	20.9
6 10	15 24.37	+20 52.3	1.297	2.088	22.3	21.0
6 20	15 18.22	+19 15.0	1.357	2.089	24.2	21.2
387462 2013 XU			5 19.5 90°.41		3°.4/18.3 17	
4 11	16 15.04	− 9 52.9	1.928	2.743	14.6	20.6
4 21	16 10.11	− 9 54.1	1.853	2.751	11.5	20.4
5 1	16 2.86	− 9 58.3	1.800	2.758	8.0	20.2
5 11	15 53.96	−10 7.3	1.772	2.766	4.6	20.1
5 21	15 44.27	−10 22.9	1.771	2.774	3.6	20.0
5 31	15 34.81	−10 46.1	1.798	2.781	6.4	20.2
6 10	15 26.53	−11 17.4	1.852	2.789	9.9	20.4
6 20	15 20.15	−11 56.8	1.929	2.797	13.1	20.6
480673 2015 OQ_{73}			5 19.5 306°.12		8°.8/12.6 17	
4 11	16 6.94	+ 1 27.5	2.087	2.901	13.6	20.8
4 21	16 3.81	+ 2 58.5	1.997	2.878	11.6	20.6
5 1	15 58.68	+ 4 24.6	1.929	2.854	9.8	20.4
5 11	15 52.05	+ 5 38.8	1.885	2.831	8.8	20.3
5 21	15 44.60	+ 6 35.1	1.867	2.807	9.4	20.3
5 31	15 37.18	+ 7 8.5	1.873	2.784	11.1	20.4
6 10	15 30.62	+ 7 17.2	1.901	2.762	13.5	20.5
6 20	15 25.60	+ 7 1.6	1.948	2.739	15.9	20.6
7629 Foros			5 19.5 249°.08		1°.1/20.0 18	
4 11	16 15.99	−23 46.4	1.917	2.718	15.1	18.7
4 21	16 11.42	−23 45.1	1.810	2.700	12.1	18.5
5 1	16 4.15	−23 35.1	1.725	2.682	8.4	18.2
5 11	15 54.74	−23 15.7	1.664	2.662	4.3	17.9
5 21	15 44.11	−22 47.6	1.631	2.642	1.2	17.6
5 31	15 33.44	−22 13.6	1.625	2.621	5.2	17.9
6 10	15 23.91	−21 37.9	1.646	2.600	9.6	18.1
6 20	15 16.47	−21 5.4	1.690	2.578	13.6	18.3
207486 2006 HE_{48}			5 19.5 2°.20		4°.0/17.9 17	
4 11	16 8.79	−14 15.2	1.121	1.982	19.8	20.1
4 21	16 6.80	−13 38.2	1.055	1.980	15.6	19.9
5 1	16 1.43	−12 57.1	1.007	1.980	10.7	19.6
5 11	15 53.53	−12 16.9	0.980	1.980	5.8	19.3
5 21	15 44.35	−11 43.3	0.975	1.981	4.4	19.2
5 31	15 35.50	−11 21.7	0.992	1.984	8.7	19.5
6 10	15 28.44	−11 16.2	1.031	1.987	13.7	19.7
6 20	15 24.16	−11 28.1	1.088	1.991	18.2	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
475750 2006 WU_{128}			5 19.5 250°.93		0°.8/20.1 16	
	h m	° ′			°	m
4 11	16 11.36	−24 34.2	2.697	3.486	11.6	22.9
4 21	16 6.91	−24 17.7	2.584	3.467	9.2	22.7
5 1	16 0.60	−23 53.1	2.494	3.448	6.4	22.5
5 11	15 52.91	−23 20.7	2.431	3.428	3.2	22.2
5 21	15 44.47	−22 41.8	2.396	3.407	0.9	22.0
5 31	15 36.06	−21 58.8	2.391	3.386	3.9	22.2
6 10	15 28.45	−21 15.0	2.414	3.365	7.1	22.4
6 20	15 22.25	−20 34.0	2.463	3.343	10.1	22.5
198328 2004 TC_{361}			5 19.5 93°.50		1°.7/20.4 18	
4 11	16 14.39	−25 10.4	1.936	2.737	15.0	20.8
4 21	16 9.75	−25 14.1	1.862	2.751	11.9	20.6
5 1	16 2.68	−25 8.4	1.809	2.764	8.2	20.4
5 11	15 53.88	−24 53.1	1.781	2.777	4.3	20.2
5 21	15 44.31	−24 29.4	1.780	2.790	1.7	20.0
5 31	15 35.05	−23 59.8	1.806	2.803	4.8	20.2
6 10	15 27.11	−23 28.5	1.859	2.815	8.6	20.5
6 20	15 21.20	−22 59.7	1.936	2.828	12.0	20.7
113122 2002 RP_{81}			5 19.5 290°.98		3°.8/17.2 18	
4 11	16 9.31	−12 28.6	1.942	2.768	14.1	19.8
4 21	16 5.85	−11 38.8	1.846	2.752	11.1	19.5
5 1	16 0.15	−10 45.8	1.773	2.735	7.8	19.3
5 11	15 52.77	− 9 53.3	1.725	2.719	4.7	19.1
5 21	15 44.49	− 9 5.8	1.703	2.703	4.2	19.0
5 31	15 36.27	− 8 27.8	1.708	2.687	7.1	19.1
6 10	15 29.07	− 8 2.6	1.738	2.671	10.7	19.3
6 20	15 23.61	− 7 52.4	1.790	2.655	14.1	19.5
276010 2001 YO_{79}			5 19.5 262°.61		2°.0/20.5 18	
4 11	16 15.02	−26 12.0	2.062	2.856	14.5	20.4
4 21	16 10.57	−26 17.0	1.949	2.833	11.7	20.1
5 1	16 3.54	−26 12.5	1.858	2.810	8.3	19.9
5 11	15 54.46	−25 57.3	1.792	2.786	4.6	19.6
5 21	15 44.19	−25 31.5	1.753	2.762	2.1	19.4
5 31	15 33.82	−24 57.1	1.742	2.737	5.1	19.5
6 10	15 24.51	−24 18.3	1.757	2.712	9.1	19.7
6 20	15 17.16	−23 40.0	1.797	2.686	12.9	19.9
268383 2005 UU_{56}			5 19.5 200°.72		4°.5/21.3 17	
4 11	16 16.50	−30 10.2	1.817	2.606	16.3	20.7
4 21	16 12.02	−30 51.5	1.730	2.606	13.3	20.4
5 1	16 4.61	−31 21.8	1.664	2.605	9.9	20.2
5 11	15 54.96	−31 37.9	1.621	2.604	6.4	20.0
5 21	15 44.11	−31 38.1	1.604	2.604	4.5	19.9
5 31	15 33.37	−31 23.4	1.614	2.603	6.2	20.0
6 10	15 24.04	−30 57.8	1.649	2.602	9.7	20.2
6 20	15 17.08	−30 27.1	1.707	2.601	13.2	20.4
393124 2013 BH_{35}			5 19.5 125°.98		0°.6/19.9 17	
4 11	16 10.43	−22 54.3	2.359	3.161	12.6	21.5
4 21	16 6.30	−22 46.2	2.272	3.163	9.9	21.3
5 1	16 0.20	−22 31.2	2.207	3.165	6.8	21.1
5 11	15 52.70	−22 9.7	2.168	3.167	3.3	20.9
5 21	15 44.53	−21 43.3	2.157	3.169	0.7	20.7
5 31	15 36.53	−21 14.2	2.174	3.170	4.1	21.0
6 10	15 29.50	−20 45.7	2.219	3.172	7.5	21.2
6 20	15 24.04	−20 20.7	2.288	3.174	10.6	21.4
154001 2002 AY_{187}			5 19.5 163°.20		6°.8/15.0 18	
4 11	16 11.49	− 4 19.9	2.032	2.848	13.9	20.3
4 21	16 7.17	− 2 59.0	1.960	2.851	11.3	20.1
5 1	16 0.79	− 1 41.1	1.911	2.855	8.7	20.0
5 11	15 52.97	− 0 31.9	1.888	2.858	7.0	19.9
5 21	15 44.50	+ 0 23.2	1.891	2.860	7.2	19.9
5 31	15 36.26	+ 0 59.9	1.920	2.863	9.2	20.0
6 10	15 29.10	+ 1 16.5	1.974	2.865	11.8	20.2
6 20	15 23.62	+ 1 13.2	2.049	2.866	14.3	20.4
164782 1999 DK_{4}			5 19.5 10°.65		0°.2/19.4 17	
4 11	16 9.95	−20 54.2	1.860	2.681	14.8	20.1
4 21	16 6.43	−20 39.4	1.779	2.682	11.6	19.9
5 1	16 0.53	−20 17.4	1.720	2.683	7.9	19.7
5 11	15 52.93	−19 49.4	1.684	2.685	3.7	19.4
5 21	15 44.50	−19 17.6	1.675	2.687	0.7	19.2
5 31	15 36.28	−18 45.5	1.693	2.689	5.1	19.5
6 10	15 29.25	−18 16.8	1.737	2.692	9.1	19.8
6 20	15 24.14	−17 54.9	1.803	2.695	12.7	20.0
280338 2003 SN_{140}			5 19.5 238°.58		1°.8/20.7 17	
4 11	16 12.49	−27 42.1	2.195	2.986	13.8	21.0
4 21	16 8.20	−27 20.3	2.095	2.977	11.1	20.8
5 1	16 1.65	−26 46.3	2.017	2.968	7.8	20.5
5 11	15 53.44	−26 0.3	1.964	2.958	4.3	20.3
5 21	15 44.40	−25 3.8	1.939	2.948	1.8	20.1
5 31	15 35.51	−24 0.4	1.942	2.938	4.5	20.3
6 10	15 27.71	−22 55.2	1.972	2.927	8.2	20.5
6 20	15 21.72	−21 53.5	2.027	2.916	11.6	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
32673 6742 *P–L*			5 19.5 157.°27		0.°8/19.1 18	
	h m	° ′			°	m
4 11	16 17.41	−19 5.2	1.748	2.560	16.0	20.1
4 21	16 12.33	−18 52.4	1.669	2.567	12.5	19.9
5 1	16 4.56	−18 33.6	1.611	2.573	8.5	19.7
5 11	15 54.83	−18 10.0	1.578	2.578	4.0	19.4
5 21	15 44.17	−17 43.7	1.572	2.583	1.2	19.2
5 31	15 33.78	−17 18.1	1.593	2.587	5.6	19.5
6 10	15 24.81	−16 56.9	1.641	2.591	10.0	19.8
6 20	15 18.05	−16 43.3	1.712	2.594	13.7	20.0
350796 2002 CX_{175}			5 19.5 148.°75		4.°9/22.9 17	
4 11	16 13.65	−36 41.4	2.581	3.328	13.1	21.4
4 21	16 8.93	−37 1.5	2.491	3.332	10.9	21.3
5 1	16 2.03	−37 8.5	2.422	3.336	8.6	21.1
5 11	15 53.59	−37 0.3	2.378	3.340	6.3	21.0
5 21	15 44.39	−36 36.5	2.360	3.343	4.9	20.9
5 31	15 35.39	−35 58.3	2.371	3.347	5.6	20.9
6 10	15 27.47	−35 9.8	2.408	3.350	7.6	21.1
6 20	15 21.31	−34 15.7	2.470	3.353	10.0	21.2
272692 2005 XE_{75}			5 19.5 64.°47		2.°5/20.7 17	
4 11	16 13.73	−26 50.3	1.795	2.599	15.9	21.2
4 21	16 9.64	−27 1.4	1.712	2.601	12.8	21.0
5 1	16 2.86	−27 1.7	1.650	2.603	9.0	20.8
5 11	15 54.08	−26 50.3	1.611	2.605	5.1	20.5
5 21	15 44.30	−26 27.5	1.599	2.607	2.5	20.4
5 31	15 34.73	−25 55.9	1.613	2.609	5.3	20.6
6 10	15 26.54	−25 20.2	1.653	2.611	9.3	20.8
6 20	15 20.54	−24 45.3	1.716	2.613	12.9	21.0
501645 2014 SJ_{221}			5 19.5 260.°33		5.°1/17.4 17	
4 11	16 14.68	− 9 43.2	1.579	2.407	16.6	21.6
4 21	16 10.65	− 9 6.7	1.487	2.392	13.3	21.3
5 1	16 3.76	− 8 30.4	1.416	2.377	9.5	21.1
5 11	15 54.62	− 7 58.8	1.369	2.361	6.1	20.8
5 21	15 44.21	− 7 36.6	1.346	2.344	5.4	20.7
5 31	15 33.81	− 7 27.7	1.349	2.328	8.6	20.9
6 10	15 24.68	− 7 35.0	1.377	2.311	12.8	21.1
6 20	15 17.81	− 7 58.9	1.425	2.293	16.8	21.3
461435 2001 XB_{141}			5 19.5 120.°75		2.°0/18.8 18	
4 11	16 18.84	−15 6.8	1.627	2.444	16.7	21.9
4 21	16 13.49	−15 3.0	1.558	2.458	13.1	21.7
5 1	16 5.35	−14 57.4	1.509	2.472	8.8	21.5
5 11	15 55.20	−14 51.5	1.486	2.485	4.3	21.2
5 21	15 44.15	−14 47.2	1.489	2.498	2.3	21.1
5 31	15 33.47	−14 46.9	1.519	2.510	6.3	21.4
6 10	15 24.33	−14 52.7	1.574	2.522	10.5	21.7
6 20	15 17.53	−15 6.4	1.653	2.532	14.3	21.9
145815 1998 SN_{149}			5 19.5 209.°96		3.°3/21.2 17	
4 11	16 17.68	−29 45.3	2.224	2.999	14.2	21.7
4 21	16 12.40	−30 4.3	2.123	2.992	11.5	21.5
5 1	16 4.61	−30 12.8	2.044	2.984	8.5	21.3
5 11	15 54.91	−30 8.9	1.990	2.975	5.3	21.1
5 21	15 44.18	−29 51.9	1.964	2.966	3.3	21.0
5 31	15 33.51	−29 23.2	1.966	2.956	5.2	21.1
6 10	15 23.99	−28 46.8	1.995	2.946	8.4	21.2
6 20	15 16.42	−28 7.4	2.050	2.934	11.7	21.4
174562 2003 GQ_5			5 19.5 89.°88		1.°5/18.5 18	
4 11	16 9.74	−17 40.4	2.308	3.120	12.6	20.4
4 21	16 5.63	−17 5.3	2.232	3.131	9.7	20.3
5 1	15 59.67	−16 25.6	2.178	3.141	6.5	20.1
5 11	15 52.44	−15 43.4	2.151	3.151	3.1	19.9
5 21	15 44.65	−15 1.5	2.152	3.161	1.7	19.8
5 31	15 37.09	−14 23.2	2.181	3.171	4.8	20.0
6 10	15 30.53	−13 51.5	2.237	3.180	8.1	20.2
6 20	15 25.49	−13 28.5	2.317	3.190	11.0	20.4
431882 2008 SP_{204}			5 19.5 352.°45		1.°0/19.1 17	
4 11	16 13.15	−17 12.7	1.851	2.670	14.9	20.9
4 21	16 8.96	−17 17.6	1.767	2.669	11.7	20.7
5 1	16 2.30	−17 19.5	1.705	2.668	7.9	20.4
5 11	15 53.81	−17 19.6	1.668	2.668	3.7	20.2
5 21	15 44.39	−17 18.8	1.657	2.668	1.3	20.0
5 31	15 35.11	−17 19.3	1.673	2.668	5.4	20.3
6 10	15 27.03	−17 23.2	1.715	2.667	9.5	20.5
6 20	15 20.92	−17 32.5	1.781	2.667	13.1	20.7
88517 2001 QO_{159}			5 19.5 135.°72		3.°3/17.9 18	
4 11	16 13.37	−13 13.6	1.836	2.657	14.9	20.1
4 21	16 8.94	−12 38.7	1.761	2.663	11.7	19.9
5 1	16 2.15	−12 1.8	1.707	2.669	8.0	19.7
5 11	15 53.68	−11 26.1	1.678	2.675	4.5	19.5
5 21	15 44.42	−10 55.2	1.677	2.680	3.5	19.4
5 31	15 35.43	−10 32.7	1.702	2.685	6.6	19.6
6 10	15 27.68	−10 21.1	1.752	2.690	10.3	19.8
6 20	15 21.87	−10 21.7	1.826	2.695	13.7	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
468901 2013 YK_{113}			5 19.5 242.°72		0.°4/19.2 18	
	h m	° ′			°	m
4 11	16 14.49	−24 16.0	2.167	2.963	13.8	20.9
4 21	16 9.72	−23 8.0	2.059	2.947	10.9	20.7
5 1	16 2.67	−21 46.1	1.973	2.931	7.4	20.5
5 11	15 53.95	−20 12.0	1.915	2.915	3.5	20.2
5 21	15 44.40	−18 30.0	1.886	2.898	0.8	19.9
5 31	15 35.00	−16 46.2	1.887	2.880	5.0	20.2
6 10	15 26.71	−15 7.4	1.917	2.862	9.1	20.4
6 20	15 20.23	−13 39.8	1.971	2.843	12.7	20.6
419911 2011 BM_8			5 19.5 129.°40		1.°9/18.7 17	
4 11	16 14.22	−16 8.2	1.828	2.647	15.1	21.8
4 21	16 9.68	−15 51.5	1.752	2.653	11.8	21.6
5 1	16 2.70	−15 31.4	1.696	2.660	8.0	21.3
5 11	15 53.97	−15 10.0	1.666	2.666	3.9	21.1
5 21	15 44.40	−14 49.5	1.662	2.672	2.1	21.0
5 31	15 35.09	−14 33.1	1.686	2.677	5.8	21.2
6 10	15 27.05	−14 23.5	1.736	2.683	9.7	21.5
6 20	15 21.01	−14 22.7	1.809	2.688	13.3	21.7
476316 2007 XT_{43}			5 19.5 267.°89		0.°8/19.9 17	
4 11	16 11.35	−23 53.3	2.232	3.033	13.3	21.6
4 21	16 7.33	−23 40.5	2.127	3.017	10.6	21.4
5 1	16 1.12	−23 19.1	2.044	3.001	7.3	21.2
5 11	15 53.27	−22 49.4	1.986	2.984	3.6	20.9
5 21	15 44.52	−22 12.7	1.956	2.967	0.9	20.7
5 31	15 35.81	−21 32.0	1.954	2.950	4.5	20.9
6 10	15 28.07	−20 51.1	1.979	2.933	8.3	21.1
6 20	15 22.01	−20 13.9	2.028	2.916	11.7	21.3
506412 1995 WY_{39}			5 19.5 230.°14		2.°0/18.7 17	
4 11	16 15.71	−15 9.1	1.851	2.667	15.1	22.1
4 21	16 11.04	−15 2.7	1.758	2.658	11.9	21.9
5 1	16 3.79	−14 54.4	1.687	2.649	8.1	21.6
5 11	15 54.58	−14 45.6	1.640	2.640	4.0	21.4
5 21	15 44.29	−14 38.3	1.621	2.630	2.2	21.2
5 31	15 34.05	−14 34.7	1.629	2.620	6.0	21.4
6 10	15 24.99	−14 37.3	1.663	2.609	10.2	21.6
6 20	15 17.94	−14 48.0	1.720	2.598	13.9	21.8
352045 2006 VD_{109}			5 19.5 128.°90		0.°8/20.0 18	
4 11	16 12.87	−22 46.7	2.810	3.597	11.2	22.1
4 21	16 7.81	−22 56.5	2.728	3.610	8.8	22.0
5 1	16 1.04	−23 1.1	2.669	3.623	6.0	21.8
5 11	15 53.09	−23 0.5	2.638	3.635	3.0	21.6
5 21	15 44.58	−22 55.1	2.636	3.647	0.9	21.5
5 31	15 36.24	−22 46.4	2.663	3.658	3.6	21.7
6 10	15 28.76	−22 36.4	2.719	3.670	6.5	21.9
6 20	15 22.66	−22 27.3	2.801	3.680	9.1	22.1
474524 2003 UN_{305}			5 19.5 284.°49		3.°4/21.3 17	
4 11	16 12.84	−29 36.0	1.938	2.731	15.3	21.7
4 21	16 8.97	−29 48.9	1.843	2.723	12.4	21.4
5 1	16 2.47	−29 49.9	1.768	2.714	9.1	21.2
5 11	15 53.98	−29 37.2	1.717	2.705	5.6	21.0
5 21	15 44.42	−29 10.8	1.692	2.696	3.4	20.8
5 31	15 34.95	−28 32.6	1.694	2.687	5.4	20.9
6 10	15 26.72	−27 47.6	1.722	2.679	9.1	21.1
6 20	15 20.58	−27 1.2	1.773	2.670	12.6	21.3
190046 2004 RZ_{150}			5 19.5 236.°71		2.°3/18.2 18	
4 11	16 12.26	−15 17.0	2.075	2.890	13.7	20.8
4 21	16 8.02	−14 47.2	1.981	2.881	10.7	20.6
5 1	16 1.56	−14 13.7	1.909	2.871	7.3	20.3
5 11	15 53.47	−13 38.9	1.863	2.861	3.8	20.1
5 21	15 44.53	−13 5.7	1.844	2.851	2.6	20.0
5 31	15 35.67	−12 37.5	1.853	2.840	5.8	20.2
6 10	15 27.83	−12 17.3	1.888	2.829	9.5	20.4
6 20	15 21.72	−12 7.4	1.947	2.818	12.8	20.6
341004 2007 FB_{23}			5 19.5 318.°77		1.°9/21.2 18	
4 11	16 5.58	−28 55.6	4.181	4.949	8.1	20.6
4 21	16 1.81	−29 10.0	4.080	4.945	6.5	20.5
5 1	15 56.87	−29 18.8	4.004	4.942	4.7	20.4
5 11	15 51.12	−29 21.6	3.955	4.939	2.9	20.3
5 21	15 44.96	−29 18.7	3.934	4.936	1.9	20.2
5 31	15 38.84	−29 10.8	3.943	4.933	2.9	20.2
6 10	15 33.21	−28 59.2	3.981	4.930	4.7	20.4
6 20	15 28.46	−28 45.6	4.045	4.927	6.5	20.5
45262 2000 AG_2			5 19.5 205.°40		1.°5/18.7 17	
4 11	16 15.00	−17 23.1	2.068	2.876	14.0	20.3
4 21	16 10.16	−16 58.6	1.975	2.871	11.0	20.1
5 1	16 3.00	−16 29.0	1.904	2.865	7.4	19.8
5 11	15 54.15	−15 56.3	1.859	2.859	3.6	19.6
5 21	15 44.42	−15 22.9	1.842	2.852	1.8	19.4
5 31	15 34.81	−14 52.1	1.854	2.844	5.4	19.7
6 10	15 26.30	−14 27.4	1.892	2.836	9.3	19.9
6 20	15 19.61	−14 11.2	1.954	2.826	12.7	20.1

154798 2004 PQ_{80} 5 19.5 174°.37 12°.2/26.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 24.35	−50 45.1	1.974	2.655	18.5	19.9
4 21	16 19.40	−52 14.9	1.892	2.656	16.8	19.8
5 1	16 10.37	−53 23.9	1.827	2.656	14.9	19.7
5 11	15 57.99	−54 4.2	1.782	2.657	13.3	19.5
5 21	15 43.71	−54 9.8	1.757	2.657	12.3	19.5
5 31	15 29.55	−53 39.1	1.755	2.657	12.3	19.5
6 10	15 17.50	−52 37.3	1.775	2.657	13.3	19.5
6 20	15 8.89	−51 13.6	1.815	2.657	14.9	19.6

418210 2008 CN_{147} 5 19.5 70°.42 6°.2/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 12.76	− 8 32.6	1.499	2.334	17.0	21.2
4 21	16 8.76	− 7 23.4	1.442	2.350	13.5	21.0
5 1	16 2.12	− 6 15.9	1.406	2.365	9.8	20.8
5 11	15 53.69	− 5 16.3	1.394	2.381	6.8	20.7
5 21	15 44.53	− 4 30.4	1.406	2.396	6.6	20.7
5 31	15 35.81	− 4 3.0	1.444	2.412	9.3	20.9
6 10	15 28.61	− 3 55.8	1.505	2.428	12.7	21.2
6 20	15 23.60	− 4 8.2	1.586	2.443	15.9	21.4

152789 1999 TA_{38} 5 19.5 219°.34 0°.5/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 9.99	−19 8.1	2.992	3.788	10.4	21.5
4 21	16 5.56	−18 54.7	2.890	3.779	8.1	21.4
5 1	15 59.57	−18 37.3	2.812	3.770	5.5	21.2
5 11	15 52.44	−18 16.9	2.761	3.761	2.6	21.0
5 21	15 44.73	−17 54.7	2.740	3.751	0.8	20.8
5 31	15 37.09	−17 32.6	2.748	3.741	3.7	21.0
6 10	15 30.15	−17 12.9	2.785	3.730	6.6	21.2
6 20	15 24.41	−16 57.4	2.848	3.719	9.2	21.3

159089 2004 TO_{287} 5 19.5 335°.02 1°.5/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 13.25	−21 12.6	1.521	2.348	17.2	19.3
4 21	16 9.90	−21 52.0	1.433	2.338	13.7	19.0
5 1	16 3.47	−22 27.4	1.366	2.329	9.5	18.7
5 11	15 54.61	−22 57.5	1.321	2.320	4.8	18.4
5 21	15 44.34	−23 21.1	1.301	2.312	1.6	18.2
5 31	15 34.05	−23 38.5	1.307	2.305	5.9	18.5
6 10	15 25.17	−23 52.1	1.337	2.299	10.7	18.7
6 20	15 18.74	−24 5.1	1.389	2.293	15.0	18.9

374495 2005 YY_{112} 5 19.5 105°.76 3°.2/18.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 14.23	−12 5.6	1.975	2.790	14.3	21.8
4 21	16 9.36	−11 42.0	1.907	2.805	11.2	21.6
5 1	16 2.31	−11 18.2	1.861	2.821	7.7	21.4
5 11	15 53.75	−10 57.0	1.840	2.835	4.3	21.3
5 21	15 44.53	−10 41.0	1.847	2.850	3.4	21.2
5 31	15 35.64	−10 32.6	1.882	2.864	6.2	21.4
6 10	15 27.94	−10 33.8	1.942	2.878	9.6	21.7
6 20	15 22.06	−10 45.1	2.026	2.891	12.6	21.9

400408 2008 BW_{47} 5 19.5 44°.18 11°.2/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 7.42	+10 24.1	2.154	2.940	14.2	20.8
4 21	16 3.91	+12 22.8	2.107	2.949	12.6	20.7
5 1	15 58.57	+14 7.8	2.082	2.957	11.5	20.7
5 11	15 51.97	+15 31.7	2.081	2.967	11.2	20.6
5 21	15 44.84	+16 29.2	2.103	2.976	11.7	20.7
5 31	15 37.97	+16 57.6	2.146	2.986	12.9	20.8
6 10	15 32.07	+16 57.2	2.210	2.996	14.4	20.9
6 20	15 27.68	+16 31.0	2.291	3.006	15.8	21.1

121526 1999 UN_{30} 5 19.5 148°.70 0°.5/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 10.94	−22 15.7	2.782	3.575	11.2	20.9
4 21	16 6.38	−22 14.9	2.695	3.581	8.7	20.7
5 1	16 0.14	−22 8.7	2.631	3.587	6.0	20.5
5 11	15 52.71	−21 57.5	2.594	3.592	2.9	20.3
5 21	15 44.72	−21 42.3	2.585	3.597	0.6	20.2
5 31	15 36.86	−21 24.7	2.606	3.602	3.6	20.4
6 10	15 29.84	−21 7.1	2.655	3.606	6.6	20.6
6 20	15 24.15	−20 51.8	2.730	3.610	9.3	20.8

410270 2007 TB_{148} 5 19.5 243°.52 1°.6/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 15.88	−17 11.4	1.745	2.563	15.8	21.4
4 21	16 11.45	−16 56.2	1.648	2.549	12.5	21.2
5 1	16 4.25	−16 36.2	1.571	2.534	8.5	20.9
5 11	15 54.89	−16 12.9	1.519	2.519	4.1	20.6
5 21	15 44.31	−15 48.7	1.493	2.504	1.9	20.4
5 31	15 33.73	−15 26.8	1.495	2.487	6.2	20.6
6 10	15 24.37	−15 11.0	1.522	2.471	10.7	20.9
6 20	15 17.17	−15 4.3	1.572	2.453	14.8	21.1

176411 2001 UU_{220} 5 19.5 108°.76 0°.5/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 12.49	−22 28.0	2.639	3.431	11.7	21.7
4 21	16 7.55	−22 20.5	2.564	3.450	9.2	21.5
5 1	16 0.87	−22 6.9	2.514	3.469	6.2	21.4
5 11	15 53.02	−21 48.0	2.490	3.488	3.0	21.2
5 21	15 44.67	−21 25.0	2.495	3.507	0.6	21.0
5 31	15 36.58	−21 0.0	2.529	3.525	3.7	21.3
6 10	15 29.43	−20 35.7	2.592	3.542	6.8	21.5
6 20	15 23.73	−20 14.5	2.680	3.559	9.5	21.7

249755 2000 SJ_{350} 5 19.5 250°.66 2°.1/21.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 6.71	−30 5.3	4.579	5.336	7.6	20.2
4 21	16 2.61	−30 28.0	4.474	5.331	6.2	20.1
5 1	15 57.39	−30 45.5	4.395	5.326	4.6	19.9
5 11	15 51.38	−30 57.2	4.342	5.321	3.0	19.8
5 21	15 44.95	−31 2.9	4.319	5.316	2.1	19.7
5 31	15 38.54	−31 3.2	4.326	5.311	2.8	19.8
6 10	15 32.58	−30 59.1	4.361	5.306	4.4	19.9
6 20	15 27.43	−30 52.1	4.424	5.301	6.1	20.0

104474 2000 GA_{20} 5 19.5 284°.86 0°.4/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 11.04	−20 16.7	2.060	2.873	13.8	20.0
4 21	16 7.08	−19 59.9	1.973	2.872	10.8	19.7
5 1	16 0.92	−19 36.6	1.909	2.871	7.3	19.5
5 11	15 53.17	−19 8.3	1.870	2.871	3.4	19.3
5 21	15 44.63	−18 36.9	1.858	2.870	0.8	19.1
5 31	15 36.27	−18 5.5	1.874	2.869	4.8	19.4
6 10	15 29.00	−17 37.6	1.916	2.869	8.6	19.6
6 20	15 23.48	−17 16.3	1.982	2.868	12.0	19.8

308481 2005 TG_{74} 5 19.5 203°.23 0°.3/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 13.40	−19 48.9	2.743	3.536	11.3	20.9
4 21	16 8.40	−20 8.3	2.646	3.533	8.9	20.8
5 1	16 1.59	−20 24.7	2.573	3.530	6.0	20.6
5 11	15 53.44	−20 38.1	2.527	3.526	2.9	20.3
5 21	15 44.59	−20 48.5	2.510	3.522	0.5	20.1
5 31	15 35.79	−20 56.8	2.523	3.518	3.8	20.4
6 10	15 27.78	−21 4.5	2.565	3.514	6.9	20.6
6 20	15 21.15	−21 13.1	2.632	3.509	9.7	20.8

42524 1994 PN_{5} 5 19.5 168°.34 1°.5/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 12.27	−17 8.4	2.101	2.914	13.6	19.5
4 21	16 7.92	−16 45.3	2.017	2.916	10.6	19.3
5 1	16 1.42	−16 17.9	1.955	2.917	7.2	19.1
5 11	15 53.39	−15 48.0	1.919	2.919	3.5	18.9
5 21	15 44.62	−15 18.3	1.910	2.920	1.8	18.8
5 31	15 36.03	−14 51.6	1.930	2.921	5.2	19.0
6 10	15 28.52	−14 31.1	1.976	2.922	8.8	19.2
6 20	15 22.72	−14 18.8	2.046	2.922	12.1	19.4

95503 2002 EE_{43} 5 19.5 297°.24 1°.9/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 8.49	−16 5.8	2.270	3.087	12.6	19.4
4 21	16 4.95	−15 35.5	2.170	3.072	9.9	19.2
5 1	15 59.45	−15 1.1	2.093	3.057	6.7	18.9
5 11	15 52.50	−14 24.8	2.042	3.042	3.4	18.7
5 21	15 44.78	−13 49.3	2.019	3.027	2.2	18.6
5 31	15 37.12	−13 17.8	2.023	3.012	5.2	18.8
6 10	15 30.32	−12 53.3	2.054	2.997	8.7	18.9
6 20	15 25.04	−12 38.1	2.108	2.982	11.9	19.1

196455 2003 HG_{50} 5 19.5 272°.56 6°.9/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 9.87	− 6 1.1	1.882	2.706	14.5	20.5
4 21	16 6.32	− 4 32.2	1.794	2.692	11.8	20.2
5 1	16 0.51	− 3 2.9	1.729	2.678	9.0	20.0
5 11	15 53.04	− 1 39.8	1.688	2.663	7.1	19.9
5 21	15 44.69	− 0 29.6	1.674	2.649	7.4	19.9
5 31	15 36.44	+ 0 22.1	1.686	2.634	9.8	20.0
6 10	15 29.23	+ 0 51.9	1.721	2.619	12.8	20.1
6 20	15 23.78	+ 0 59.1	1.777	2.604	15.8	20.3

115924 2003 WH_{12} 5 19.5 319°.42 4°.7/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 13.48	−33 4.7	1.970	2.750	15.5	19.1
4 21	16 9.49	−33 26.3	1.881	2.748	12.8	18.9
5 1	16 2.83	−33 34.0	1.811	2.745	9.7	18.7
5 11	15 54.18	−33 25.5	1.765	2.743	6.6	18.5
5 21	15 44.50	−33 0.1	1.745	2.741	4.7	18.4
5 31	15 34.98	−32 19.7	1.752	2.739	6.0	18.5
6 10	15 26.78	−31 29.3	1.784	2.737	9.1	18.7
6 20	15 20.73	−30 34.9	1.839	2.735	12.3	18.8

114804 2003 NS_{8} 5 19.5 203°.58 6°.5/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 8.43	+ 7 12.6	3.532	4.298	9.5	20.4
4 21	16 4.00	+ 7 57.5	3.452	4.293	8.2	20.3
5 1	15 58.34	+ 8 34.6	3.396	4.287	7.1	20.2
5 11	15 51.83	+ 9 0.8	3.366	4.280	6.5	20.2
5 21	15 44.93	+ 9 13.7	3.363	4.273	6.7	20.2
5 31	15 38.11	+ 9 11.9	3.386	4.266	7.6	20.2
6 10	15 31.86	+ 8 55.1	3.434	4.258	8.9	20.3
6 20	15 26.57	+ 8 24.4	3.505	4.250	10.3	20.4

261400 2005 UG_{445} 5 19.5 228°.51 2°.3/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 9.13	−13 56.3	2.798	3.605	10.7	21.5
4 21	16 4.97	−13 20.7	2.700	3.595	8.4	21.3
5 1	15 59.22	−12 42.7	2.626	3.585	5.8	21.1
5 11	15 52.32	−12 4.4	2.579	3.575	3.2	20.9
5 21	15 44.84	−11 28.4	2.561	3.564	2.5	20.9
5 31	15 37.44	−10 57.3	2.572	3.553	4.8	21.0
6 10	15 30.77	−10 33.4	2.610	3.542	7.6	21.2
6 20	15 25.33	−10 18.3	2.673	3.530	10.2	21.3

270538 2002 GX_{113} 5 19.5 68°.49 2°.2/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 13.67	−14 39.3	1.759	2.582	15.4	20.3
4 21	16 9.33	−14 31.2	1.688	2.592	12.1	20.1
5 1	16 2.52	−14 21.6	1.638	2.602	8.2	19.9
5 11	15 53.95	−14 12.4	1.613	2.612	4.1	19.7
5 21	15 44.56	−14 5.6	1.614	2.622	2.4	19.6
5 31	15 35.46	−14 3.8	1.642	2.633	5.9	19.8
6 10	15 27.67	−14 8.8	1.696	2.643	9.9	20.1
6 20	15 21.91	−14 22.0	1.772	2.654	13.4	20.3

443177 2014 DF_{21} 5 19.5 260°.55 1°.7/18.6 17

4 11	16 10.65	−16 4.9	2.221	3.035	12.9	21.6
4 21	16 6.61	−15 47.7	2.130	3.030	10.1	21.4
5 1	16 0.55	−15 27.5	2.062	3.024	6.9	21.2
5 11	15 53.01	−15 6.0	2.019	3.019	3.4	21.0
5 21	15 44.72	−14 45.2	2.004	3.013	1.9	20.8
5 31	15 36.53	−14 27.8	2.017	3.007	5.1	21.0
6 10	15 29.29	−14 16.2	2.056	3.001	8.6	21.2
6 20	15 23.64	−14 12.3	2.120	2.995	11.7	21.4

420491 2012 FC_6 5 19.5 125°.64 0°.8/19.9 17

4 11	16 14.37	−24 29.9	1.648	2.462	16.7	21.6
4 21	16 10.25	−24 6.9	1.569	2.466	13.2	21.4
5 1	16 3.33	−23 31.8	1.511	2.471	9.1	21.2
5 11	15 54.39	−22 45.6	1.476	2.475	4.5	20.9
5 21	15 44.49	−21 51.0	1.468	2.480	1.0	20.7
5 31	15 34.92	−20 52.7	1.486	2.484	5.4	21.0
6 10	15 26.84	−19 56.9	1.530	2.487	9.9	21.2
6 20	15 21.07	−19 8.8	1.596	2.491	13.9	21.5

16749 Vospini 5 19.5 268°.29 7°.6/14.5 18

4 11	16 10.40	− 3 58.1	1.867	2.689	14.7	18.6
4 21	16 6.76	− 2 31.3	1.780	2.674	12.1	18.4
5 1	16 0.84	− 1 6.1	1.715	2.659	9.4	18.2
5 11	15 53.21	+ 0 10.8	1.675	2.644	7.8	18.1
5 21	15 44.69	+ 1 12.8	1.660	2.628	8.1	18.1
5 31	15 36.24	+ 1 54.3	1.671	2.612	10.3	18.2
6 10	15 28.84	+ 2 12.7	1.705	2.596	13.2	18.3
6 20	15 23.22	+ 2 7.9	1.759	2.580	16.1	18.5

287476 2003 AT_{71} 5 19.5 198°.53 15°.5/15.6 17

4 11	16 23.70	+13 35.1	1.388	2.165	21.0	20.7
4 21	16 17.85	+14 39.9	1.325	2.163	18.9	20.5
5 1	16 8.65	+15 20.9	1.278	2.160	16.9	20.4
5 11	15 56.96	+15 27.5	1.251	2.157	15.6	20.3
5 21	15 44.06	+14 52.9	1.245	2.154	15.7	20.3
5 31	15 31.51	+13 35.4	1.261	2.149	17.1	20.4
6 10	15 20.76	+11 39.9	1.297	2.144	19.3	20.5
6 20	15 12.78	+ 9 15.4	1.351	2.138	21.8	20.7

237191 2008 UP_{241} 5 19.5 131°.87 5°.7/15.7 18

4 11	16 11.58	− 3 59.9	2.386	3.192	12.4	21.1
4 21	16 6.89	− 2 58.5	2.320	3.205	10.0	21.0
5 1	16 0.47	− 2 1.0	2.277	3.218	7.6	20.9
5 11	15 52.87	− 1 11.8	2.261	3.230	6.0	20.8
5 21	15 44.78	− 0 34.4	2.271	3.242	6.0	20.8
5 31	15 36.94	− 0 11.8	2.310	3.254	7.7	20.9
6 10	15 30.04	− 0 5.1	2.373	3.265	10.0	21.1
6 20	15 24.59	− 0 13.9	2.460	3.275	12.3	21.3

22339 1992 OL_3 5 19.5 295°.52 1°.1/18.9 18 R

4 11	16 9.09	−18 6.0	2.298	3.111	12.6	18.9
4 21	16 5.43	−17 47.8	2.198	3.097	9.9	18.7
5 1	15 59.79	−17 25.0	2.120	3.083	6.7	18.5
5 11	15 52.69	−16 59.0	2.068	3.069	3.2	18.2
5 21	15 44.80	−16 31.9	2.044	3.055	1.3	18.1
5 31	15 36.96	−16 6.4	2.048	3.041	4.7	18.3
6 10	15 29.99	−15 45.4	2.078	3.027	8.3	18.5
6 20	15 24.54	−15 31.2	2.133	3.013	11.5	18.6

176529 2001 YD_{152} 5 19.5 211°.69 5°.7/23.6 18

4 11	16 14.59	−39 38.8	2.633	3.364	13.2	21.0
4 21	16 9.81	−39 58.2	2.534	3.360	11.3	20.8
5 1	16 2.78	−40 3.2	2.456	3.355	9.1	20.7
5 11	15 54.08	−39 51.3	2.401	3.351	7.0	20.5
5 21	15 44.57	−39 21.3	2.373	3.346	5.7	20.5
5 31	15 35.20	−38 34.7	2.373	3.341	6.2	20.5
6 10	15 26.95	−37 35.5	2.399	3.335	8.0	20.6
6 20	15 20.50	−36 28.9	2.451	3.330	10.2	20.7

212529 2006 RL_{74} 5 19.5 78°.89 0°.7/19.2 18

4 11	16 11.00	−19 13.9	2.158	2.970	13.3	20.7
4 21	16 6.86	−18 57.8	2.080	2.978	10.4	20.5
5 1	16 0.67	−18 36.6	2.024	2.986	7.0	20.3
5 11	15 53.04	−18 11.6	1.994	2.995	3.3	20.1
5 21	15 44.76	−17 45.0	1.992	3.003	1.0	19.9
5 31	15 36.70	−17 19.3	2.017	3.011	4.6	20.2
6 10	15 29.70	−16 57.6	2.069	3.020	8.2	20.5
6 20	15 24.36	−16 42.4	2.146	3.028	11.4	20.7

303819 2005 SS_{94} 5 19.5 254°.48 1°.6/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 10.82	−27 55.0	2.469	3.255	12.6	20.5
4 21	16 6.68	−27 27.0	2.365	3.245	10.1	20.3
5 1	16 0.56	−26 47.5	2.285	3.234	7.1	20.1
5 11	15 53.02	−25 56.8	2.230	3.224	3.9	19.8
5 21	15 44.76	−24 56.8	2.204	3.213	1.6	19.7
5 31	15 36.64	−23 50.9	2.206	3.202	4.1	19.8
6 10	15 29.48	−22 43.5	2.237	3.191	7.4	20.0
6 20	15 23.89	−21 39.4	2.293	3.180	10.5	20.2

405998 2006 SW_{350} 5 19.5 268°.15 0°.7/18.9 18

4 11	16 6.92	−17 54.3	3.428	4.226	9.1	21.5
4 21	16 3.05	−17 42.4	3.317	4.209	7.1	21.3
5 1	15 57.84	−17 27.7	3.232	4.191	4.8	21.2
5 11	15 51.67	−17 11.0	3.173	4.173	2.3	21.0
5 21	15 44.99	−16 53.5	3.144	4.155	0.9	20.8
5 31	15 38.33	−16 36.9	3.145	4.137	3.3	21.0
6 10	15 32.21	−16 22.7	3.174	4.118	5.9	21.1
6 20	15 27.08	−16 12.5	3.229	4.099	8.3	21.3

367118 2006 SF_{74} 5 19.5 291°.93 1°.3/18.6 18

4 11	16 6.50	−16 23.3	3.093	3.898	9.8	21.1
4 21	16 2.88	−16 3.9	2.984	3.879	7.7	21.0
5 1	15 57.81	−15 41.7	2.899	3.860	5.2	20.8
5 11	15 51.68	−15 18.1	2.841	3.840	2.6	20.6
5 21	15 44.99	−14 54.8	2.812	3.820	1.5	20.5
5 31	15 38.32	−14 33.6	2.812	3.801	3.9	20.6
6 10	15 32.25	−14 16.6	2.839	3.781	6.6	20.8
6 20	15 27.25	−14 5.4	2.893	3.762	9.2	20.9

367894 2012 AW_5 5 19.5 19°.30 1°.1/19.9 17

4 11	16 9.40	−23 44.7	1.126	1.976	20.5	20.2
4 21	16 7.44	−23 36.5	1.065	1.983	16.2	19.9
5 1	16 1.96	−23 14.8	1.021	1.990	11.1	19.6
5 11	15 53.89	−22 40.7	0.998	1.999	5.5	19.3
5 21	15 44.62	−21 57.2	0.998	2.009	1.2	19.1
5 31	15 35.81	−21 10.1	1.020	2.020	6.6	19.5
6 10	15 28.96	−20 26.6	1.064	2.033	11.9	19.8
6 20	15 25.00	−19 52.5	1.128	2.046	16.5	20.1

8986 Kineyayasuyo 5 19.5 259°.93 0°.5/19.9 18 R

4 11	16 10.98	−22 28.5	2.556	3.353	11.9	18.5
4 21	16 6.77	−22 22.6	2.448	3.337	9.4	18.3
5 1	16 0.64	−22 10.4	2.364	3.321	6.5	18.1
5 11	15 53.09	−21 52.3	2.305	3.304	3.2	17.8
5 21	15 44.76	−21 29.2	2.275	3.287	0.6	17.6
5 31	15 36.44	−21 3.3	2.274	3.270	4.0	17.8
6 10	15 28.93	−20 37.4	2.300	3.252	7.4	18.0
6 20	15 22.88	−20 14.3	2.352	3.235	10.5	18.2

140137 2001 SR_{151} 5 19.5 208°.97 3°.7/21.5 18

4 11	16 14.09	−30 46.2	2.380	3.154	13.4	19.8
4 21	16 9.47	−31 14.0	2.285	3.151	10.9	19.6
5 1	16 2.59	−31 31.9	2.213	3.149	8.1	19.4
5 11	15 54.04	−31 38.1	2.165	3.146	5.3	19.2
5 21	15 44.60	−31 31.7	2.145	3.143	3.7	19.1
5 31	15 35.24	−31 14.0	2.152	3.140	5.0	19.2
6 10	15 26.92	−30 48.0	2.187	3.137	7.8	19.3
6 20	15 20.36	−30 17.8	2.246	3.134	10.7	19.5

208171 2000 QF_{13} 5 19.5 234°.13 5°.2/17.0 17

4 11	16 14.76	− 9 33.7	1.734	2.556	15.6	20.9
4 21	16 10.42	− 8 44.9	1.644	2.545	12.5	20.7
5 1	16 3.46	− 7 55.6	1.576	2.534	9.0	20.4
5 11	15 54.52	− 7 10.3	1.532	2.522	5.9	20.2
5 21	15 44.52	− 6 34.0	1.515	2.510	5.5	20.1
5 31	15 34.59	− 6 11.0	1.523	2.496	8.4	20.3
6 10	15 25.87	− 6 4.3	1.557	2.483	12.1	20.5
6 20	15 19.21	− 6 14.6	1.612	2.469	15.7	20.7

150101 2428 $T\text{-}_3$ 5 19.5 264°.62 1°.3/20.3 18

4 11	16 11.48	−24 37.5	2.604	3.395	11.9	20.7
4 21	16 7.20	−24 39.9	2.493	3.376	9.5	20.5
5 1	16 0.96	−24 35.4	2.404	3.357	6.6	20.2
5 11	15 53.26	−24 23.7	2.342	3.337	3.5	20.0
5 21	15 44.73	−24 5.4	2.307	3.318	1.3	19.8
5 31	15 36.20	−23 42.1	2.302	3.298	4.0	20.0
6 10	15 28.45	−23 16.6	2.324	3.277	7.3	20.1
6 20	15 22.17	−22 51.9	2.372	3.257	10.3	20.3

45367 2000 AG_{108} 5 19.5 262°.73 4°.7/17.1 18

4 11	16 12.13	− 7 56.5	2.145	2.959	13.3	19.5
4 21	16 7.89	− 7 22.7	2.046	2.941	10.7	19.3
5 1	16 1.53	− 6 50.5	1.970	2.923	7.8	19.1
5 11	15 53.56	− 6 23.4	1.919	2.905	5.3	18.9
5 21	15 44.69	− 6 4.7	1.895	2.887	4.9	18.8
5 31	15 35.84	− 5 57.4	1.898	2.868	7.3	18.9
6 10	15 27.89	− 6 3.4	1.927	2.849	10.4	19.1
6 20	15 21.55	− 6 23.1	1.980	2.829	13.5	19.2

439036 2011 FY_{40} 5 19.6 15.°85 8.°0/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 17.10	−35 41.1	1.595	2.376	18.6	20.6
4 21	16 13.30	−37 2.9	1.518	2.378	15.7	20.4
5 1	16 6.00	−38 10.6	1.460	2.382	12.5	20.2
5 11	15 55.92	−38 58.0	1.423	2.385	9.6	20.1
5 21	15 44.30	−39 20.5	1.410	2.389	8.0	20.0
5 31	15 32.77	−39 17.4	1.422	2.394	8.9	20.1
6 10	15 22.97	−38 53.5	1.457	2.399	11.6	20.2
6 20	15 16.07	−38 16.2	1.513	2.405	14.7	20.4

174552 2003 FP_{83} 5 19.6 66.°64 0.°8/19.8 18

4 11	16 19.44	−19 12.4	2.176	2.969	13.8	19.0
4 21	16 13.42	−20 4.1	2.104	2.991	10.8	18.9
5 1	16 5.12	−20 53.6	2.056	3.012	7.4	18.7
5 11	15 55.17	−21 39.5	2.035	3.033	3.6	18.5
5 21	15 44.46	−22 20.5	2.043	3.054	0.9	18.3
5 31	15 33.98	−22 56.3	2.080	3.075	4.4	18.6
6 10	15 24.68	−23 27.8	2.146	3.096	8.0	18.9
6 20	15 17.26	−23 56.9	2.237	3.117	11.0	19.1

223255 2003 FR_{81} 5 19.6 230.°46 4.°3/21.2 18

4 11	16 19.12	−30 5.5	2.121	2.895	14.8	20.7
4 21	16 13.89	−30 55.2	2.019	2.885	12.1	20.5
5 1	16 5.92	−31 36.5	1.939	2.875	9.1	20.2
5 11	15 55.77	−32 5.8	1.884	2.864	6.0	20.0
5 21	15 44.33	−32 20.8	1.855	2.852	4.3	19.9
5 31	15 32.80	−32 21.3	1.855	2.841	5.9	20.0
6 10	15 22.41	−32 10.1	1.881	2.828	9.1	20.1
6 20	15 14.12	−31 51.7	1.932	2.816	12.4	20.3

435291 2007 TT_{412} 5 19.6 261.°56 2.°2/18.4 17

4 11	16 12.20	−14 29.0	2.193	3.006	13.1	21.7
4 21	16 7.97	−14 11.8	2.091	2.990	10.3	21.4
5 1	16 1.60	−13 52.5	2.012	2.973	7.1	21.2
5 11	15 53.60	−13 32.9	1.958	2.956	3.7	21.0
5 21	15 44.72	−13 15.3	1.932	2.939	2.4	20.8
5 31	15 35.83	−13 2.3	1.934	2.922	5.5	21.0
6 10	15 27.86	−12 56.2	1.963	2.904	9.1	21.2
6 20	15 21.50	−12 58.7	2.015	2.887	12.5	21.4

497194 2004 TS_{161} 5 19.6 163.°58 0.°9/20.1 17

4 11	16 14.79	−23 24.8	2.456	3.245	12.6	23.2
4 21	16 9.66	−23 24.7	2.368	3.251	9.9	23.0
5 1	16 2.52	−23 17.9	2.303	3.257	6.8	22.8
5 11	15 53.94	−23 4.3	2.264	3.261	3.4	22.6
5 21	15 44.68	−22 45.0	2.254	3.265	0.9	22.4
5 31	15 35.58	−22 21.8	2.273	3.269	4.0	22.6
6 10	15 27.48	−21 57.7	2.321	3.272	7.4	22.8
6 20	15 20.99	−21 35.9	2.393	3.274	10.4	23.0

64509 2001 VL_{81} 5 19.6 268.°79 1.°9/20.4 18

4 11	16 15.18	−25 24.0	1.545	2.360	17.6	18.5
4 21	16 11.55	−25 25.1	1.447	2.344	14.2	18.3
5 1	16 4.71	−25 14.4	1.369	2.327	10.0	18.0
5 11	15 55.31	−24 50.8	1.313	2.310	5.3	17.6
5 21	15 44.41	−24 14.8	1.282	2.293	1.9	17.4
5 31	15 33.48	−23 29.8	1.277	2.275	6.0	17.6
6 10	15 23.99	−22 41.8	1.297	2.257	11.0	17.8
6 20	15 17.06	−21 57.4	1.338	2.239	15.6	18.0

162111 1998 RT_{76} 5 19.6 306.°20 2.°7/20.5 18

4 11	16 13.32	−25 6.8	1.737	2.548	16.1	19.2
4 21	16 9.92	−25 40.8	1.628	2.521	13.0	18.9
5 1	16 3.58	−26 8.2	1.539	2.495	9.4	18.6
5 11	15 54.81	−26 26.8	1.474	2.468	5.3	18.3
5 21	15 44.49	−26 35.1	1.434	2.442	2.7	18.1
5 31	15 33.91	−26 33.5	1.420	2.416	5.9	18.2
6 10	15 24.46	−26 25.1	1.431	2.390	10.3	18.4
6 20	15 17.24	−26 14.1	1.465	2.365	14.5	18.6

35994 1999 NS_{18} 5 19.6 352.°81 3.°2/20.7 18

4 11	16 11.65	−26 15.5	1.231	2.067	20.0	17.6
4 21	16 9.33	−26 37.9	1.155	2.063	16.1	17.4
5 1	16 3.43	−26 47.6	1.098	2.060	11.5	17.1
5 11	15 54.74	−26 42.6	1.061	2.057	6.4	16.8
5 21	15 44.54	−26 22.7	1.046	2.055	3.2	16.6
5 31	15 34.54	−25 51.0	1.056	2.054	6.7	16.8
6 10	15 26.39	−25 14.1	1.087	2.054	11.8	17.1
6 20	15 21.20	−24 38.8	1.138	2.055	16.5	17.3

213249 2001 CH_{23} 5 19.6 96.°17 3.°2/18.2 18

4 11	16 14.26	−14 2.3	1.546	2.376	16.8	20.3
4 21	16 10.16	−13 32.0	1.475	2.382	13.2	20.1
5 1	16 3.30	−12 59.1	1.424	2.388	9.0	19.9
5 11	15 54.43	−12 27.0	1.396	2.394	4.8	19.6
5 21	15 44.62	−11 59.4	1.394	2.400	3.5	19.6
5 31	15 35.11	−11 40.2	1.419	2.406	7.1	19.8
6 10	15 27.07	−11 32.4	1.467	2.412	11.3	20.0
6 20	15 21.31	−11 37.6	1.537	2.418	15.1	20.3

418217 2008 CO_{166} 5 19.6 97.°27 21.°5/25.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 37.52	−50 9.8	1.005	1.750	29.3	20.8
4 21	16 34.70	−53 44.2	0.955	1.759	26.9	20.6
5 1	16 24.25	−56 53.6	0.919	1.768	24.5	20.5
5 11	16 6.08	−59 16.6	0.897	1.777	22.6	20.4
5 21	15 42.46	−60 33.2	0.890	1.786	21.6	20.4
5 31	15 18.43	−60 34.8	0.900	1.794	21.7	20.4
6 10	14 59.44	−59 32.6	0.925	1.803	22.8	20.5
6 20	14 48.39	−57 49.0	0.964	1.811	24.6	20.6

179420 2002 AS_{37} 5 19.6 239.°05 3.°6/17.6 18

4 11	16 11.07	− 9 18.2	2.415	3.225	12.1	20.5
4 21	16 6.74	− 8 57.5	2.324	3.219	9.6	20.3
5 1	16 0.57	− 8 38.3	2.256	3.211	6.8	20.1
5 11	15 53.05	− 8 23.0	2.214	3.204	4.3	19.9
5 21	15 44.85	− 8 14.0	2.200	3.197	3.8	19.9
5 31	15 36.73	− 8 13.4	2.214	3.189	6.0	20.0
6 10	15 29.44	− 8 22.5	2.254	3.181	8.9	20.2
6 20	15 23.59	− 8 41.6	2.319	3.173	11.6	20.3

57177 2001 QV_{24} 5 19.6 292.°62 3.°9/18.1 17

4 11	16 13.03	−13 38.8	1.327	2.170	18.4	19.1
4 21	16 10.15	−13 10.4	1.233	2.148	14.7	18.8
5 1	16 3.96	−12 38.5	1.157	2.125	10.3	18.5
5 11	15 55.05	−12 6.9	1.104	2.103	5.7	18.2
5 21	15 44.47	−11 40.0	1.074	2.080	4.2	18.0
5 31	15 33.73	−11 22.8	1.068	2.058	8.5	18.2
6 10	15 24.41	−11 19.7	1.085	2.036	13.8	18.4
6 20	15 17.71	−11 33.0	1.121	2.014	18.6	18.6

174689 2003 UM_{15} 5 19.6 267.°97 0.°2/19.5 18

4 11	16 14.24	−21 36.6	1.669	2.488	16.3	20.5
4 21	16 10.46	−21 16.9	1.568	2.468	13.0	20.2
5 1	16 3.79	−20 47.5	1.486	2.449	8.9	19.9
5 11	15 54.82	−20 9.0	1.429	2.429	4.3	19.6
5 21	15 44.53	−19 23.8	1.397	2.409	0.8	19.3
5 31	15 34.20	−18 36.0	1.392	2.388	5.9	19.6
6 10	15 25.13	−17 51.3	1.411	2.367	10.8	19.8
6 20	15 18.33	−17 14.8	1.454	2.346	15.2	20.0

510876 2013 CK_{126} 5 19.6 332.°03 5.°0/16.5 18

4 11	16 8.75	− 6 33.5	2.239	3.056	12.7	20.6
4 21	16 5.02	− 5 50.3	2.158	3.054	10.2	20.4
5 1	15 59.43	− 5 9.5	2.100	3.051	7.5	20.3
5 11	15 52.51	− 4 35.2	2.067	3.049	5.4	20.1
5 21	15 44.95	− 4 10.6	2.062	3.047	5.3	20.1
5 31	15 37.53	− 3 58.5	2.083	3.045	7.3	20.2
6 10	15 31.02	− 4 0.5	2.129	3.043	10.0	20.4
6 20	15 25.98	− 4 16.5	2.198	3.041	12.6	20.6

484766 2009 BC_{61} 5 19.6 199.°58 14.°7/27.9 18

4 11	16 26.69	−50 53.1	1.272	1.998	25.0	21.1
4 21	16 23.03	−51 57.4	1.196	1.997	22.6	20.9
5 1	16 13.76	−52 30.0	1.132	1.996	19.9	20.7
5 11	15 59.90	−52 18.4	1.084	1.994	17.2	20.5
5 21	15 43.70	−51 13.5	1.055	1.991	15.2	20.4
5 31	15 28.23	−49 15.3	1.046	1.989	14.8	20.3
6 10	15 16.21	−46 36.4	1.057	1.986	16.3	20.4
6 20	15 9.04	−43 36.2	1.089	1.982	19.0	20.5

272733 2005 YT_{89} 5 19.6 79.°21 11.°0/15.6 17

4 11	16 15.70	+ 9 24.9	1.831	2.614	16.4	20.1
4 21	16 10.66	+10 10.9	1.773	2.623	14.3	19.9
5 1	16 3.30	+10 40.1	1.736	2.632	12.4	19.8
5 11	15 54.34	+10 46.2	1.721	2.641	11.2	19.8
5 21	15 44.69	+10 25.5	1.729	2.650	11.2	19.8
5 31	15 35.41	+ 9 37.2	1.761	2.659	12.5	19.9
6 10	15 27.42	+ 8 23.7	1.815	2.668	14.4	20.0
6 20	15 21.37	+ 6 50.0	1.890	2.677	16.4	20.2

323032 2002 QY_{109} 5 19.6 247.°54 4.°2/17.4 17

4 11	16 13.83	−11 27.6	1.870	2.689	14.8	21.6
4 21	16 9.59	−10 43.3	1.773	2.674	11.8	21.4
5 1	16 2.88	− 9 57.0	1.699	2.658	8.3	21.1
5 11	15 54.29	− 9 12.3	1.649	2.642	5.1	20.9
5 21	15 44.68	− 8 33.6	1.626	2.625	4.5	20.8
5 31	15 35.08	− 8 5.1	1.630	2.608	7.5	21.0
6 10	15 26.58	− 7 50.1	1.660	2.590	11.2	21.2
6 20	15 19.98	− 7 50.1	1.712	2.572	14.8	21.3

490833 2010 VT_{217} 5 19.6 176.°83 0.°6/19.9 17

4 11	16 16.35	−22 31.6	2.042	2.841	14.4	22.5
4 21	16 11.33	−22 25.6	1.954	2.843	11.4	22.3
5 1	16 3.90	−22 12.1	1.888	2.845	7.8	22.1
5 11	15 54.70	−21 51.2	1.848	2.846	3.8	21.9
5 21	15 44.64	−21 24.3	1.835	2.846	0.7	21.6
5 31	15 34.76	−20 54.1	1.850	2.846	4.7	21.9
6 10	15 26.07	−20 24.5	1.893	2.845	8.7	22.1
6 20	15 19.32	−19 59.0	1.960	2.844	12.2	22.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
167787 2005 AT_{33}			5 19.6 113°.09		2°.6/18.2 18	
	h m	° ′			°	m
4 11	16 11.89	−14 20.8	1.995	2.814	14.0	20.4
4 21	16 7.72	−13 52.3	1.916	2.818	11.0	20.2
5 1	16 1.38	−13 21.5	1.860	2.823	7.5	20.0
5 11	15 53.49	−12 50.8	1.830	2.827	4.0	19.8
5 21	15 44.86	−12 23.2	1.826	2.832	2.8	19.8
5 31	15 36.45	−12 1.9	1.849	2.836	5.9	20.0
6 10	15 29.15	−11 49.5	1.899	2.840	9.4	20.2
6 20	15 23.61	−11 47.4	1.972	2.844	12.6	20.4
183291 2002 TC_{376}			5 19.6 290°.34		5°.2/17.3 17	
4 11	16 12.33	− 9 32.3	1.573	2.406	16.5	20.3
4 21	16 8.78	− 8 51.7	1.490	2.397	13.1	20.0
5 1	16 2.51	− 8 11.6	1.427	2.388	9.4	19.8
5 11	15 54.17	− 7 36.7	1.387	2.378	6.1	19.6
5 21	15 44.73	− 7 11.7	1.372	2.369	5.6	19.5
5 31	15 35.40	− 7 0.8	1.383	2.360	8.6	19.7
6 10	15 27.36	− 7 6.5	1.417	2.351	12.5	19.9
6 20	15 21.49	− 7 28.9	1.472	2.343	16.2	20.1
61462 2000 QH_{31}			5 19.6 273°.16		0°.7/19.9 18	
4 11	16 11.81	−22 24.9	2.295	3.097	13.0	19.6
4 21	16 7.70	−22 28.6	2.191	3.082	10.3	19.4
5 1	16 1.46	−22 26.3	2.110	3.067	7.1	19.2
5 11	15 53.59	−22 17.8	2.054	3.052	3.5	18.9
5 21	15 44.83	−22 4.1	2.026	3.037	0.8	18.7
5 31	15 36.07	−21 46.7	2.026	3.022	4.3	18.9
6 10	15 28.22	−21 28.7	2.053	3.007	8.0	19.1
6 20	15 22.00	−21 13.0	2.104	2.991	11.3	19.3
512409 2016 PK_{72}			5 19.6 303°.17		2°.4/18.6 18	
4 11	16 12.50	−13 5.8	1.998	2.816	14.0	20.9
4 21	16 8.34	−13 3.1	1.909	2.810	11.0	20.7
5 1	16 1.92	−13 0.6	1.842	2.804	7.6	20.5
5 11	15 53.81	−12 59.8	1.800	2.798	4.0	20.3
5 21	15 44.80	−13 2.7	1.786	2.793	2.6	20.2
5 31	15 35.89	−13 10.9	1.798	2.787	5.8	20.4
6 10	15 28.01	−13 26.0	1.837	2.782	9.5	20.6
6 20	15 21.90	−13 48.9	1.900	2.776	12.8	20.8
107543 2001 DQ_{70}			5 19.6 104°.21		4°.7/17.4 17	
4 11	16 13.82	−11 9.9	1.593	2.422	16.5	19.9
4 21	16 9.67	−10 20.8	1.524	2.430	13.0	19.7
5 1	16 2.89	− 9 30.9	1.476	2.438	9.1	19.5
5 11	15 54.24	− 8 45.0	1.452	2.445	5.6	19.3
5 21	15 44.75	− 8 7.6	1.454	2.453	5.0	19.3
5 31	15 35.58	− 7 43.3	1.482	2.460	8.0	19.5
6 10	15 27.83	− 7 34.5	1.534	2.467	11.8	19.7
6 20	15 22.23	− 7 41.8	1.607	2.474	15.3	19.9
479195 2013 CE_{73}			5 19.6 165°.36		5°.0/16.3 17	
4 11	16 9.24	− 5 3.3	2.520	3.329	11.7	21.0
4 21	16 5.16	− 4 20.9	2.441	3.330	9.4	20.9
5 1	15 59.41	− 3 41.7	2.386	3.332	7.1	20.7
5 11	15 52.50	− 3 9.4	2.357	3.333	5.3	20.6
5 21	15 45.04	− 2 46.8	2.355	3.334	5.2	20.6
5 31	15 37.74	− 2 36.4	2.380	3.335	6.9	20.7
6 10	15 31.24	− 2 39.4	2.431	3.336	9.3	20.9
6 20	15 26.08	− 2 55.4	2.506	3.336	11.6	21.0
334904 2003 WL_{167}			5 19.6 193°.19		3°.9/16.9 18	R
4 11	16 11.45	− 8 48.6	2.622	3.427	11.4	22.1
4 21	16 6.84	− 8 4.9	2.534	3.425	9.1	21.9
5 1	16 0.54	− 7 21.7	2.470	3.422	6.5	21.7
5 11	15 53.05	− 6 42.1	2.433	3.419	4.4	21.6
5 21	15 44.98	− 6 9.0	2.424	3.415	4.1	21.6
5 31	15 37.03	− 5 45.2	2.444	3.410	6.1	21.7
6 10	15 29.88	− 5 32.5	2.491	3.405	8.7	21.8
6 20	15 24.07	− 5 31.7	2.562	3.400	11.2	22.0
275094 2009 VH_{21}			5 19.6 13°.53		1°.8/18.8 17	
4 11	16 11.75	−17 11.6	1.637	2.467	16.1	20.8
4 21	16 8.20	−16 49.8	1.560	2.467	12.6	20.6
5 1	16 2.02	−16 22.9	1.503	2.469	8.5	20.3
5 11	15 53.90	−15 53.4	1.470	2.470	4.1	20.1
5 21	15 44.84	−15 24.2	1.462	2.472	2.1	19.9
5 31	15 36.00	−14 59.0	1.481	2.474	6.1	20.2
6 10	15 28.50	−14 41.6	1.524	2.476	10.4	20.4
6 20	15 23.13	−14 34.3	1.589	2.479	14.2	20.7
510479 2011 WY_{108}			5 19.6 229°.96		5°.0/16.0 18	
4 11	16 9.60	− 4 47.4	2.626	3.432	11.4	21.8
4 21	16 5.44	− 4 1.3	2.537	3.423	9.2	21.6
5 1	15 59.63	− 3 18.0	2.470	3.414	7.0	21.4
5 11	15 52.64	− 2 41.0	2.430	3.405	5.3	21.3
5 21	15 45.05	− 2 13.6	2.418	3.395	5.3	21.3
5 31	15 37.54	− 1 58.3	2.434	3.385	7.0	21.4
6 10	15 30.79	− 1 56.4	2.475	3.375	9.3	21.5
6 20	15 25.31	− 2 8.3	2.540	3.364	11.7	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
208885 2002 TU_{93}			5 19.6 258°.31		1°.5/18.8 18	
	h m	° ′			°	m
4 11	16 11.40	−17 11.9	2.144	2.957	13.3	20.9
4 21	16 7.39	−16 51.1	2.048	2.947	10.5	20.7
5 1	16 1.23	−16 25.9	1.975	2.937	7.1	20.4
5 11	15 53.49	−15 58.2	1.927	2.927	3.5	20.2
5 21	15 44.91	−15 30.0	1.907	2.917	1.7	20.0
5 31	15 36.40	−15 4.5	1.915	2.906	5.1	20.3
6 10	15 28.87	−14 44.7	1.949	2.896	8.9	20.5
6 20	15 23.00	−14 32.9	2.007	2.885	12.2	20.6
52828 1998 RP_{39}			5 19.6 199°.21		1°.8/20.3 18	
4 11	16 18.98	−24 13.3	1.658	2.463	17.0	19.7
4 21	16 14.16	−24 28.6	1.570	2.461	13.6	19.4
5 1	16 6.27	−24 35.2	1.502	2.458	9.5	19.2
5 11	15 56.02	−24 31.7	1.458	2.454	5.0	18.9
5 21	15 44.48	−24 18.1	1.440	2.450	1.8	18.7
5 31	15 33.05	−23 56.6	1.449	2.446	5.7	18.9
6 10	15 23.12	−23 31.6	1.484	2.440	10.2	19.2
6 20	15 15.65	−23 8.2	1.541	2.434	14.4	19.4
357746 2005 SV_{51}			5 19.6 245°.63		2°.2/20.8 18	
4 11	16 12.82	−26 27.4	2.531	3.316	12.3	21.1
4 21	16 8.33	−26 48.6	2.431	3.309	9.9	20.9
5 1	16 1.80	−27 2.9	2.354	3.301	7.1	20.7
5 11	15 53.74	−27 9.1	2.302	3.293	4.1	20.5
5 21	15 44.87	−27 7.0	2.278	3.285	2.2	20.3
5 31	15 36.02	−26 57.7	2.283	3.277	4.2	20.4
6 10	15 28.05	−26 43.6	2.315	3.268	7.3	20.6
6 20	15 21.63	−26 27.8	2.373	3.260	10.2	20.8
416425 2003 UB_{233}			5 19.6 181°.62		0°.1/19.6 17	
4 11	16 15.01	−22 55.4	1.770	2.580	15.8	21.3
4 21	16 10.63	−22 26.5	1.685	2.581	12.5	21.0
5 1	16 3.60	−21 47.0	1.621	2.582	8.5	20.8
5 11	15 54.63	−20 58.2	1.582	2.581	4.1	20.5
5 21	15 44.73	−20 2.9	1.569	2.581	0.7	20.3
5 31	15 35.07	−19 5.7	1.584	2.580	5.3	20.6
6 10	15 26.78	−18 12.3	1.625	2.579	9.7	20.8
6 20	15 20.64	−17 27.5	1.689	2.577	13.6	21.1
133074 Kenshamordola			5 19.6 283°.69		1°.8/18.8 18	R
4 11	16 12.78	−18 38.3	1.425	2.260	17.8	19.6
4 21	16 9.69	−18 4.6	1.333	2.245	14.1	19.3
5 1	16 3.47	−17 21.9	1.261	2.229	9.6	19.0
5 11	15 54.78	−16 32.4	1.212	2.213	4.7	18.6
5 21	15 44.68	−15 40.2	1.187	2.197	2.2	18.4
5 31	15 34.61	−14 51.2	1.187	2.181	7.1	18.7
6 10	15 25.98	−14 11.3	1.210	2.165	12.2	18.9
6 20	15 19.84	−13 45.1	1.254	2.149	16.9	19.2
176530 2001 YZ_{153}			5 19.6 160°.47		3°.8/22.1 18	
4 11	16 13.57	−32 57.5	2.618	3.379	12.6	20.8
4 21	16 8.85	−33 15.4	2.527	3.382	10.3	20.6
5 1	16 2.09	−33 22.3	2.458	3.386	7.8	20.5
5 11	15 53.85	−33 16.8	2.414	3.388	5.3	20.3
5 21	15 44.88	−32 58.5	2.397	3.391	3.8	20.2
5 31	15 36.05	−32 28.9	2.409	3.393	4.8	20.3
6 10	15 28.23	−31 51.3	2.448	3.396	7.2	20.4
6 20	15 22.03	−31 9.9	2.512	3.397	9.8	20.6
230890 2004 SP_{31}			5 19.6 195°.33		1°.9/20.6 17	
4 11	16 14.97	−25 59.0	2.197	2.987	13.8	21.4
4 21	16 10.23	−26 4.9	2.104	2.986	11.0	21.2
5 1	16 3.18	−26 2.1	2.033	2.983	7.8	21.0
5 11	15 54.42	−25 49.8	1.987	2.981	4.2	20.7
5 21	15 44.79	−25 28.5	1.969	2.978	1.9	20.6
5 31	15 35.28	−25 0.3	1.979	2.974	4.5	20.7
6 10	15 26.86	−24 28.8	2.016	2.970	8.1	21.0
6 20	15 20.28	−23 58.1	2.078	2.966	11.4	21.2
164010 2003 UV_{192}			5 19.6 132°.62		2°.5/20.9 17	
4 11	16 14.07	−27 47.3	2.070	2.861	14.5	20.4
4 21	16 9.63	−27 53.7	1.985	2.866	11.6	20.2
5 1	16 2.80	−27 49.6	1.922	2.871	8.3	20.0
5 11	15 54.23	−27 34.1	1.884	2.875	4.8	19.8
5 21	15 44.82	−27 7.8	1.872	2.879	2.5	19.6
5 31	15 35.63	−26 33.2	1.888	2.883	4.8	19.8
6 10	15 27.64	−25 54.4	1.931	2.887	8.3	20.0
6 20	15 21.58	−25 16.1	1.998	2.891	11.6	20.2
192410 1997 GD_{25}			5 19.6 191°.40		0°.7/19.9 17	
4 11	16 13.47	−22 43.4	2.085	2.888	14.0	20.9
4 21	16 9.09	−22 39.9	1.996	2.888	11.1	20.7
5 1	16 2.42	−22 29.0	1.929	2.887	7.6	20.5
5 11	15 54.06	−22 11.0	1.887	2.886	3.7	20.2
5 21	15 44.86	−21 47.2	1.873	2.884	0.8	20.0
5 31	15 35.81	−21 20.1	1.886	2.883	4.6	20.3
6 10	15 27.86	−20 53.1	1.927	2.881	8.4	20.5
6 20	15 21.75	−20 29.9	1.991	2.879	11.8	20.7

375929 2009 WZ_{64} 5 19.6 119°.18 1°.6/20.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 18.63	−23 24.7	2.139	2.929	14.1	21.6
4 21	16 12.97	−23 54.8	2.062	2.944	11.2	21.4
5 1	16 4.95	−24 18.9	2.007	2.959	7.8	21.2
5 11	15 55.22	−24 35.7	1.978	2.974	4.1	21.0
5 21	15 44.68	−24 44.9	1.978	2.988	1.6	20.9
5 31	15 34.36	−24 47.5	2.006	3.001	4.6	21.1
6 10	15 25.26	−24 46.0	2.062	3.014	8.1	21.3
6 20	15 18.09	−24 43.5	2.143	3.027	11.3	21.6

61136 2000 NC_4 5 19.6 116°.75 0°.1/19.6 18

4 11	16 15.77	−21 41.8	2.148	2.947	13.8	19.4
4 21	16 10.52	−21 20.0	2.077	2.967	10.8	19.2
5 1	16 3.13	−20 51.0	2.028	2.986	7.3	19.0
5 11	15 54.29	−20 15.9	2.005	3.005	3.4	18.8
5 21	15 44.85	−19 37.0	2.011	3.022	0.6	18.6
5 31	15 35.76	−18 57.5	2.045	3.040	4.5	19.0
6 10	15 27.88	−18 21.1	2.107	3.056	8.1	19.2
6 20	15 21.81	−17 51.1	2.193	3.072	11.3	19.4

232888 2004 XG_{17} 5 19.6 217°.56 1°.6/18.8 18

4 11	16 13.29	−16 2.8	2.112	2.924	13.6	20.4
4 21	16 8.85	−15 52.4	2.022	2.919	10.7	20.2
5 1	16 2.23	−15 39.3	1.954	2.915	7.2	20.0
5 11	15 53.98	−15 24.9	1.911	2.910	3.6	19.8
5 21	15 44.89	−15 11.2	1.896	2.906	1.8	19.6
5 31	15 35.90	−15 0.4	1.909	2.900	5.2	19.8
6 10	15 27.94	−14 54.9	1.949	2.895	8.9	20.1
6 20	15 21.70	−14 56.6	2.013	2.889	12.2	20.3

423971 2006 UN_{254} 5 19.6 309°.08 0°.3/19.7 17

4 11	16 11.98	−20 50.6	1.413	2.248	17.9	21.4
4 21	16 9.25	−20 54.7	1.320	2.230	14.3	21.2
5 1	16 3.33	−20 51.6	1.245	2.211	9.9	20.8
5 11	15 54.80	−20 41.3	1.193	2.194	4.8	20.5
5 21	15 44.73	−20 24.9	1.164	2.176	0.8	20.2
5 31	15 34.58	−20 5.5	1.160	2.159	6.3	20.5
6 10	15 25.84	−19 47.7	1.180	2.142	11.6	20.7
6 20	15 19.67	−19 36.0	1.220	2.127	16.4	21.0

388319 2006 SJ_{335} 5 19.6 208°.37 3°.8/16.9 17

4 11	16 9.87	− 9 39.5	2.538	3.348	11.6	21.7
4 21	16 5.72	− 8 55.1	2.450	3.344	9.2	21.5
5 1	15 59.85	− 8 10.6	2.385	3.340	6.5	21.3
5 11	15 52.78	− 7 29.1	2.347	3.335	4.3	21.2
5 21	15 45.11	− 6 53.9	2.338	3.330	4.0	21.1
5 31	15 37.55	− 6 27.7	2.356	3.325	6.1	21.2
6 10	15 30.80	− 6 12.7	2.401	3.320	8.8	21.4
6 20	15 25.40	− 6 9.6	2.470	3.314	11.3	21.6

295720 2008 UT_{42} 5 19.6 147°.08 0°.2/19.8 18

4 11	16 6.94	−21 39.1	4.131	4.916	7.9	22.8
4 21	16 2.79	−21 32.2	4.043	4.925	6.2	22.7
5 1	15 57.57	−21 21.5	3.979	4.934	4.2	22.5
5 11	15 51.61	−21 7.8	3.944	4.942	2.0	22.4
5 21	15 45.32	−20 51.7	3.938	4.950	0.3	22.2
5 31	15 39.12	−20 34.6	3.963	4.958	2.5	22.4
6 10	15 33.44	−20 17.9	4.017	4.965	4.7	22.6
6 20	15 28.62	−20 3.0	4.098	4.972	6.6	22.7

70850 Schur 5 19.6 191°.54 1°.8/20.6 18

4 11	16 13.29	−26 17.2	2.071	2.868	14.3	19.3
4 21	16 9.03	−26 14.4	1.982	2.867	11.4	19.1
5 1	16 2.42	−26 1.5	1.914	2.867	8.0	18.9
5 11	15 54.09	−25 38.4	1.871	2.866	4.4	18.6
5 21	15 44.90	−25 5.9	1.855	2.865	1.8	18.5
5 31	15 35.88	−24 26.9	1.867	2.864	4.6	18.6
6 10	15 28.01	−23 45.6	1.906	2.863	8.4	18.9
6 20	15 22.04	−23 6.4	1.969	2.861	11.8	19.1

136756 1996 AO_{18} 5 19.6 238°.78 1°.7/18.8 18

4 11	16 15.97	−16 20.2	2.049	2.856	14.1	21.3
4 21	16 11.18	−16 2.9	1.945	2.840	11.1	21.1
5 1	16 3.97	−15 41.9	1.863	2.823	7.6	20.9
5 11	15 54.89	−15 18.5	1.807	2.806	3.8	20.6
5 21	15 44.75	−14 55.1	1.778	2.787	2.0	20.4
5 31	15 34.59	−14 34.4	1.778	2.768	5.6	20.6
6 10	15 25.44	−14 19.6	1.804	2.748	9.6	20.8
6 20	15 18.13	−14 13.2	1.855	2.727	13.3	21.0

334907 2003 XL_5 5 19.6 191°.02 3°.4/21.8 18

4 11	16 15.38	−31 49.6	2.674	3.434	12.4	21.7
4 21	16 10.23	−32 3.0	2.576	3.433	10.1	21.5
5 1	16 3.03	−32 5.9	2.500	3.431	7.5	21.3
5 11	15 54.33	−31 57.0	2.449	3.428	4.9	21.1
5 21	15 44.86	−31 36.0	2.427	3.425	3.4	21.0
5 31	15 35.50	−31 4.3	2.433	3.421	4.6	21.1
6 10	15 27.11	−30 25.3	2.468	3.416	7.2	21.3
6 20	15 20.34	−29 43.1	2.529	3.411	9.8	21.4

439422 2013 DA_{12} 5 19.6 188°.23 1°.2/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 10.13	−25 51.7	2.485	3.278	12.3	21.0
4 21	16 6.12	−25 34.6	2.394	3.278	9.8	20.8
5 1	16 0.21	−25 8.5	2.325	3.278	6.8	20.6
5 11	15 52.97	−24 33.8	2.282	3.278	3.6	20.4
5 21	15 45.09	−23 52.1	2.267	3.277	1.2	20.2
5 31	15 37.37	−23 6.1	2.281	3.277	3.9	20.4
6 10	15 30.58	−22 19.6	2.322	3.277	7.2	20.6
6 20	15 25.31	−21 36.2	2.388	3.276	10.1	20.8

417342 2006 DR_{122} 5 19.6 112°.61 4°.9/17.3 17

4 11	16 15.36	− 6 7.7	2.161	2.966	13.5	21.2
4 21	16 10.05	− 5 40.5	2.096	2.985	10.8	21.1
5 1	16 2.75	− 5 17.4	2.054	3.003	7.8	20.9
5 11	15 54.11	− 5 1.7	2.039	3.021	5.4	20.8
5 21	15 44.91	− 4 55.8	2.050	3.038	5.1	20.8
5 31	15 36.02	− 5 1.7	2.090	3.055	7.0	20.9
6 10	15 28.23	− 5 19.9	2.156	3.071	9.8	21.1
6 20	15 22.12	− 5 49.6	2.245	3.087	12.4	21.3

324373 2006 RA_4 5 19.6 257°.19 2°.7/20.7 17

4 11	16 15.99	−26 29.7	1.715	2.519	16.6	21.5
4 21	16 11.91	−26 46.6	1.618	2.507	13.4	21.2
5 1	16 4.85	−26 53.3	1.542	2.495	9.6	21.0
5 11	15 55.42	−26 48.1	1.488	2.482	5.4	20.7
5 21	15 44.66	−26 30.4	1.461	2.469	2.7	20.5
5 31	15 33.88	−26 2.4	1.460	2.456	5.7	20.6
6 10	15 24.46	−25 28.5	1.484	2.443	10.1	20.8
6 20	15 17.39	−24 54.6	1.532	2.429	14.2	21.1

171719 2000 UN_{85} 5 19.6 275°.93 2°.1/18.7 17

4 11	16 15.00	−16 38.6	1.604	2.429	16.6	21.0
4 21	16 11.25	−16 17.1	1.499	2.404	13.2	20.8
5 1	16 4.52	−15 50.0	1.414	2.378	9.1	20.4
5 11	15 55.34	−15 19.4	1.352	2.352	4.5	20.1
5 21	15 44.66	−14 48.2	1.316	2.326	2.5	19.9
5 31	15 33.80	−14 20.5	1.306	2.298	6.9	20.1
6 10	15 24.13	−14 0.8	1.321	2.271	11.9	20.3
6 20	15 16.74	−13 52.6	1.357	2.243	16.4	20.5

252141 2000 YW_{106} 5 19.6 235°.37 1°.3/20.7 18

4 11	16 11.31	−27 7.3	2.898	3.677	11.1	20.9
4 21	16 6.82	−26 43.2	2.788	3.663	8.9	20.7
5 1	16 0.61	−26 9.6	2.702	3.650	6.2	20.6
5 11	15 53.15	−25 27.0	2.642	3.636	3.4	20.3
5 21	15 45.06	−24 36.6	2.611	3.621	1.3	20.2
5 31	15 37.06	−23 41.1	2.611	3.606	3.6	20.3
6 10	15 29.85	−22 44.2	2.639	3.591	6.6	20.5
6 20	15 23.99	−21 49.3	2.693	3.575	9.3	20.6

348438 2005 QT_{61} 5 19.6 304°.61 1°.2/20.3 16

4 11	16 10.03	−24 51.9	2.056	2.863	14.1	21.3
4 21	16 6.61	−24 40.2	1.955	2.847	11.2	21.1
5 1	16 0.88	−24 18.7	1.875	2.832	7.8	20.9
5 11	15 53.42	−23 47.7	1.820	2.817	4.0	20.6
5 21	15 45.01	−23 8.4	1.791	2.802	1.2	20.4
5 31	15 36.65	−22 24.1	1.790	2.787	4.7	20.6
6 10	15 29.33	−21 39.1	1.815	2.773	8.6	20.8
6 20	15 23.80	−20 57.9	1.864	2.759	12.2	21.0

12584 Zeljkoandreic 5 19.6 273°.43 1°.8/20.2 18

4 11	16 16.45	−23 9.3	1.627	2.441	16.9	18.5
4 21	16 12.44	−23 36.6	1.530	2.426	13.6	18.2
5 1	16 5.33	−23 57.6	1.453	2.411	9.5	17.9
5 11	15 55.72	−24 10.7	1.399	2.396	5.0	17.6
5 21	15 44.61	−24 14.9	1.370	2.381	1.9	17.4
5 31	15 33.39	−24 11.3	1.368	2.366	5.8	17.6
6 10	15 23.50	−24 3.4	1.391	2.350	10.6	17.8
6 20	15 16.04	−23 55.5	1.437	2.335	14.9	18.1

162515 2000 QK_{99} 5 19.6 167°.38 6°.8/15.9 16

4 11	16 14.93	− 5 11.0	1.842	2.657	15.1	20.3
4 21	16 10.19	− 4 0.0	1.770	2.662	12.2	20.1
5 1	16 3.11	− 2 51.8	1.719	2.666	9.3	19.9
5 11	15 54.38	− 1 52.5	1.694	2.669	7.1	19.8
5 21	15 44.87	− 1 7.5	1.695	2.672	7.1	19.8
5 31	15 35.62	− 0 40.8	1.722	2.674	9.3	19.9
6 10	15 27.59	− 0 34.3	1.773	2.675	12.3	20.1
6 20	15 21.46	− 0 47.5	1.846	2.676	15.2	20.3

102229 1999 TS_{17} 5 19.6 173°.46 1°.5/18.8 17

4 11	16 15.12	−18 22.0	1.881	2.693	15.0	20.4
4 21	16 10.48	−17 49.2	1.797	2.696	11.7	20.1
5 1	16 3.40	−17 10.0	1.736	2.698	7.9	19.9
5 11	15 54.54	−16 26.5	1.700	2.700	3.8	19.7
5 21	15 44.84	−15 41.9	1.691	2.701	1.8	19.5
5 31	15 35.36	−15 0.2	1.710	2.701	5.6	19.8
6 10	15 27.13	−14 25.7	1.755	2.701	9.7	20.0
6 20	15 20.88	−14 1.3	1.823	2.701	13.3	20.2

333421 2003 HG_5 5 19.6 352°.57 1°.0/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 10.44	−17 36.6	1.372	2.215	17.9	19.8
4 21	16 7.83	−17 42.3	1.294	2.209	14.1	19.6
5 1	16 2.17	−17 44.2	1.236	2.205	9.6	19.3
5 11	15 54.16	−17 43.5	1.199	2.201	4.6	19.0
5 21	15 44.89	−17 41.8	1.187	2.199	1.4	18.8
5 31	15 35.76	−17 41.7	1.199	2.197	6.4	19.1
6 10	15 28.14	−17 46.3	1.235	2.196	11.3	19.4
6 20	15 23.00	−17 58.0	1.291	2.197	15.7	19.6

302351 2002 AT_{203} 5 19.6 76°.63 2°.1/20.9 17

4 11	16 11.97	−27 3.2	2.340	3.130	13.1	21.0
4 21	16 7.65	−27 9.7	2.260	3.141	10.4	20.8
5 1	16 1.30	−27 7.3	2.203	3.151	7.4	20.6
5 11	15 53.50	−26 55.6	2.170	3.162	4.2	20.5
5 21	15 45.02	−26 35.3	2.165	3.173	2.1	20.3
5 31	15 36.77	−26 8.3	2.188	3.183	4.2	20.5
6 10	15 29.56	−25 38.2	2.238	3.194	7.4	20.7
6 20	15 24.01	−25 8.3	2.313	3.204	10.3	20.9

130024 1999 VK_{80} 5 19.6 194°.68 2°.4/17.9 18

4 11	16 11.66	−15 36.4	2.230	3.042	12.9	20.3
4 21	16 7.38	−14 48.8	2.142	3.041	10.1	20.1
5 1	16 1.11	−13 56.6	2.078	3.039	6.9	19.9
5 11	15 53.42	−13 2.8	2.039	3.037	3.7	19.7
5 21	15 45.04	−12 10.8	2.029	3.034	2.7	19.6
5 31	15 36.83	−11 24.6	2.047	3.031	5.6	19.8
6 10	15 29.60	−10 47.6	2.091	3.028	8.9	20.0
6 20	15 23.97	−10 22.0	2.160	3.024	12.0	20.2

23294 Sunao 5 19.6 169°.25 2°.4/20.8 18

4 11	16 18.75	−27 14.5	2.072	2.856	14.8	19.5
4 21	16 13.31	−27 24.8	1.985	2.861	11.8	19.3
5 1	16 5.33	−27 25.1	1.918	2.865	8.4	19.1
5 11	15 55.48	−27 14.1	1.877	2.869	4.8	18.9
5 21	15 44.70	−26 52.1	1.864	2.871	2.4	18.7
5 31	15 34.13	−26 21.1	1.879	2.873	4.9	18.9
6 10	15 24.82	−25 45.4	1.921	2.874	8.5	19.1
6 20	15 17.57	−25 9.7	1.988	2.875	11.9	19.3

315284 2007 TW_{124} 5 19.6 213°.49 1°.8/20.3 17 R

4 11	16 18.54	−23 36.4	1.733	2.537	16.4	21.2
4 21	16 13.76	−24 1.2	1.642	2.532	13.1	21.0
5 1	16 6.01	−24 19.0	1.571	2.527	9.2	20.7
5 11	15 55.96	−24 28.4	1.525	2.522	4.8	20.4
5 21	15 44.61	−24 28.5	1.505	2.516	1.9	20.2
5 31	15 33.32	−24 20.9	1.513	2.509	5.5	20.4
6 10	15 23.40	−24 9.0	1.546	2.502	10.0	20.7
6 20	15 15.82	−23 57.2	1.603	2.495	14.0	20.9

306697 2000 VY_8 5 19.6 244°.50 1°.4/18.6 18

4 11	16 10.25	−17 23.8	2.781	3.582	10.9	21.4
4 21	16 6.00	−16 52.0	2.673	3.566	8.6	21.2
5 1	16 0.08	−16 15.6	2.590	3.550	5.8	21.0
5 11	15 52.93	−15 36.5	2.534	3.533	2.8	20.8
5 21	15 45.13	−14 56.7	2.507	3.515	1.6	20.6
5 31	15 37.37	−14 19.1	2.509	3.498	4.3	20.8
6 10	15 30.33	−13 46.4	2.539	3.479	7.4	21.0
6 20	15 24.56	−13 20.8	2.594	3.461	10.2	21.1

20067 1993 TN_{24} 5 19.6 16°.18 0°.9/19.1 18

4 11	16 9.48	−18 35.3	2.046	2.864	13.7	18.2
4 21	16 5.92	−18 21.6	1.965	2.867	10.7	18.0
5 1	16 0.24	−18 3.1	1.907	2.870	7.2	17.8
5 11	15 53.05	−17 41.3	1.873	2.874	3.4	17.6
5 21	15 45.12	−17 18.3	1.867	2.878	1.2	17.4
5 31	15 37.37	−16 56.9	1.887	2.882	4.8	17.7
6 10	15 30.68	−16 39.9	1.934	2.887	8.5	17.9
6 20	15 25.69	−16 29.6	2.005	2.892	11.8	18.1

252992 2002 QE_{102} 5 19.6 342°.76 0°.7/19.5 17

4 11	16 9.58	−16 50.3	1.114	1.973	20.1	19.7
4 21	16 7.99	−17 18.4	1.035	1.959	16.0	19.4
5 1	16 2.81	−17 45.9	0.974	1.947	11.0	19.1
5 11	15 54.68	−18 13.2	0.933	1.936	5.3	18.7
5 21	15 44.81	−18 40.5	0.915	1.926	1.2	18.4
5 31	15 34.91	−19 8.7	0.918	1.919	7.2	18.8
6 10	15 26.72	−19 39.7	0.943	1.912	13.0	19.0
6 20	15 21.51	−20 15.2	0.987	1.907	18.1	19.3

276881 2004 RS_{253} 5 19.6 175°.58 5°.7/16.4 17

4 11	16 12.73	− 5 0.7	2.154	2.964	13.4	21.0
4 21	16 8.19	− 4 11.9	2.076	2.965	10.8	20.8
5 1	16 1.65	− 3 26.6	2.021	2.967	8.1	20.7
5 11	15 53.68	− 2 49.1	1.991	2.968	6.1	20.5
5 21	15 45.03	− 2 23.3	1.989	2.968	6.0	20.5
5 31	15 36.56	− 2 12.0	2.013	2.969	8.0	20.6
6 10	15 29.10	− 2 16.5	2.063	2.968	10.6	20.8
6 20	15 23.24	− 2 36.4	2.135	2.968	13.3	21.0

274032 2007 RL_{124} 5 19.6 112°.81 0°.5/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 8.05	−22 45.2	3.514	4.300	9.2	22.0
4 21	16 3.85	−22 40.7	3.431	4.313	7.2	21.9
5 1	15 58.38	−22 31.5	3.372	4.326	4.9	21.7
5 11	15 52.04	−22 18.3	3.341	4.339	2.4	21.6
5 21	15 45.31	−22 1.8	3.339	4.351	0.6	21.4
5 31	15 38.71	−21 43.5	3.367	4.363	2.9	21.6
6 10	15 32.74	−21 25.1	3.424	4.375	5.3	21.8
6 20	15 27.81	−21 8.4	3.508	4.387	7.5	22.0

321347 2009 KJ_{12} 5 19.6 4°.84 0°.9/19.1 17

4 11	16 9.84	−18 20.3	1.929	2.751	14.3	20.9
4 21	16 6.37	−18 9.1	1.848	2.751	11.2	20.7
5 1	16 0.64	−17 53.2	1.787	2.752	7.6	20.5
5 11	15 53.28	−17 34.2	1.752	2.753	3.6	20.3
5 21	15 45.10	−17 14.0	1.743	2.754	1.2	20.1
5 31	15 37.09	−16 55.4	1.761	2.756	5.1	20.4
6 10	15 30.19	−16 41.5	1.805	2.758	9.0	20.6
6 20	15 25.09	−16 34.5	1.872	2.761	12.4	20.8

123219 2000 UC_{41} 5 19.6 183°.73 0°.9/20.1 18

4 11	16 14.58	−23 39.3	2.235	3.030	13.5	20.6
4 21	16 9.82	−23 35.4	2.144	3.030	10.7	20.4
5 1	16 2.86	−23 23.8	2.075	3.030	7.4	20.2
5 11	15 54.30	−23 4.7	2.032	3.030	3.7	20.0
5 21	15 44.93	−22 39.0	2.017	3.029	1.0	19.8
5 31	15 35.72	−22 9.3	2.031	3.027	4.4	20.0
6 10	15 27.57	−21 39.0	2.072	3.025	8.0	20.2
6 20	15 21.17	−21 11.7	2.138	3.023	11.3	20.4

205489 2001 QT_{248} 5 19.6 234°.27 3°.3/20.8 16

4 11	16 19.82	−26 50.8	1.719	2.515	16.8	21.0
4 21	16 15.04	−27 23.6	1.621	2.504	13.7	20.7
5 1	16 7.08	−27 47.5	1.542	2.492	9.9	20.5
5 11	15 56.57	−27 59.7	1.488	2.479	5.8	20.2
5 21	15 44.54	−27 58.3	1.459	2.465	3.3	20.0
5 31	15 32.42	−27 44.4	1.457	2.451	6.1	20.1
6 10	15 21.68	−27 21.8	1.481	2.436	10.4	20.3
6 20	15 13.43	−26 56.2	1.528	2.421	14.5	20.6

141243 2001 XA_{258} 5 19.6 47°.89 6°.3/21.6 18

4 11	16 22.34	−32 30.7	1.899	2.667	16.4	18.5
4 21	16 16.63	−34 5.6	1.833	2.690	13.6	18.3
5 1	16 7.87	−35 29.9	1.789	2.712	10.5	18.2
5 11	15 56.79	−36 37.9	1.769	2.736	7.7	18.1
5 21	15 44.53	−37 25.6	1.776	2.759	6.3	18.0
5 31	15 32.47	−37 52.1	1.810	2.783	7.3	18.1
6 10	15 21.95	−38 0.5	1.870	2.806	9.8	18.3
6 20	15 13.94	−37 56.4	1.953	2.830	12.5	18.6

151149 2001 XK_{59} 5 19.6 233°.93 0°.1/19.6 18

4 11	16 13.61	−21 39.4	1.997	2.805	14.4	19.8
4 21	16 9.37	−21 20.0	1.902	2.797	11.4	19.5
5 1	16 2.73	−20 52.4	1.828	2.788	7.8	19.3
5 11	15 54.31	−20 17.6	1.779	2.778	3.7	19.0
5 21	15 44.94	−19 37.7	1.757	2.769	0.6	18.7
5 31	15 35.67	−18 56.2	1.763	2.759	5.0	19.1
6 10	15 27.51	−18 17.2	1.796	2.749	9.0	19.3
6 20	15 21.24	−17 44.8	1.852	2.738	12.7	19.5

232515 2003 QU_{103} 5 19.6 290°.50 2°.8/18.3 17

4 11	16 11.63	−14 4.4	1.853	2.677	14.7	19.9
4 21	16 7.93	−13 41.6	1.762	2.666	11.6	19.7
5 1	16 1.82	−13 16.5	1.692	2.656	8.0	19.4
5 11	15 53.90	−12 51.6	1.647	2.645	4.3	19.2
5 21	15 45.01	−12 29.9	1.628	2.635	3.0	19.1
5 31	15 36.18	−12 14.6	1.636	2.624	6.3	19.2
6 10	15 28.46	−12 8.6	1.669	2.614	10.2	19.5
6 20	15 22.61	−12 13.3	1.725	2.603	13.9	19.7

443805 1997 WW 5 19.6 268°.17 1°.0/20.2 17

4 11	16 12.54	−23 1.0	3.022	3.805	10.6	22.5
4 21	16 7.85	−23 14.7	2.900	3.780	8.4	22.3
5 1	16 1.41	−23 23.9	2.802	3.754	5.8	22.1
5 11	15 53.62	−23 28.3	2.731	3.727	3.0	21.8
5 21	15 45.05	−23 27.9	2.690	3.700	1.0	21.6
5 31	15 36.39	−23 23.6	2.678	3.673	3.6	21.8
6 10	15 28.35	−23 17.1	2.695	3.645	6.5	22.0
6 20	15 21.52	−23 10.6	2.738	3.617	9.3	22.1

510622 2012 TZ_{153} 5 19.6 230°.06 1°.8/18.5 17

4 11	16 11.94	−16 23.2	2.345	3.153	12.5	22.6
4 21	16 7.62	−15 51.3	2.247	3.143	9.8	22.4
5 1	16 1.32	−15 15.0	2.172	3.133	6.7	22.2
5 11	15 53.58	−14 36.6	2.124	3.122	3.4	21.9
5 21	15 45.08	−13 58.6	2.103	3.111	2.1	21.8
5 31	15 36.66	−13 24.1	2.111	3.099	5.1	22.0
6 10	15 29.14	−12 56.3	2.146	3.087	8.5	22.2
6 20	15 23.14	−12 37.4	2.206	3.075	11.6	22.4

211003 2001 XQ_{155} 5 19.6 123°.61 0°.9/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 17.63	−19 31.0	1.653	2.468	16.6	21.5
4 21	16 12.67	−19 7.8	1.583	2.482	13.0	21.3
5 1	16 4.97	−18 37.6	1.533	2.495	8.8	21.1
5 11	15 55.32	−18 2.0	1.508	2.508	4.1	20.9
5 21	15 44.81	−17 24.0	1.509	2.520	1.3	20.7
5 31	15 34.70	−16 47.7	1.538	2.532	5.8	21.0
6 10	15 26.10	−16 17.4	1.592	2.543	10.1	21.3
6 20	15 19.80	−15 56.5	1.669	2.553	13.9	21.5

271754 2004 RB_{345} 5 19.6 266°.65 2°.8/20.9 17

4 11	16 14.89	−27 47.0	1.985	2.778	15.0	21.6
4 21	16 10.73	−28 1.1	1.879	2.760	12.2	21.4
5 1	16 3.90	−28 5.0	1.793	2.742	8.8	21.2
5 11	15 54.98	−27 57.1	1.732	2.723	5.2	20.9
5 21	15 44.84	−27 36.9	1.697	2.704	2.8	20.7
5 31	15 34.65	−27 6.1	1.690	2.685	5.3	20.8
6 10	15 25.58	−26 29.0	1.709	2.665	9.2	21.0
6 20	15 18.56	−25 50.6	1.752	2.645	12.9	21.2

60785 2000 GT_{179} 5 19.6 278°.48 3°.3/18.4 18

4 11	16 15.01	−13 56.5	1.465	2.297	17.5	19.1
4 21	16 11.47	−13 35.6	1.368	2.277	14.0	18.8
5 1	16 4.79	−13 11.9	1.290	2.255	9.7	18.5
5 11	15 55.54	−12 48.5	1.235	2.234	5.2	18.1
5 21	15 44.75	−12 28.8	1.205	2.212	3.6	18.0
5 31	15 33.80	−12 16.8	1.200	2.190	7.8	18.2
6 10	15 24.17	−12 16.3	1.219	2.168	12.7	18.4
6 20	15 16.99	−12 29.4	1.259	2.146	17.3	18.6

465874 2010 TB_{22} 5 19.6 264°.88 2°.8/20.7 17

4 11	16 17.23	−26 2.1	1.706	2.509	16.7	22.0
4 21	16 13.07	−26 27.6	1.603	2.491	13.5	21.8
5 1	16 5.80	−26 44.5	1.519	2.472	9.7	21.5
5 11	15 56.01	−26 50.3	1.459	2.452	5.5	21.2
5 21	15 44.67	−26 43.8	1.424	2.432	2.8	21.0
5 31	15 33.17	−26 26.2	1.417	2.412	5.9	21.1
6 10	15 22.96	−26 1.5	1.434	2.392	10.4	21.3
6 20	15 15.15	−25 35.3	1.474	2.371	14.7	21.5

246816 2009 HP_{98} 5 19.6 21°.74 2°.7/17.8 17

4 11	16 9.12	−15 16.1	2.127	2.948	13.2	20.4
4 21	16 5.49	−14 25.2	2.046	2.949	10.3	20.2
5 1	15 59.88	−13 29.9	1.987	2.950	7.0	20.0
5 11	15 52.88	−12 33.7	1.954	2.952	3.8	19.8
5 21	15 45.22	−11 40.2	1.949	2.953	3.0	19.7
5 31	15 37.75	−10 53.6	1.971	2.955	5.8	19.9
6 10	15 31.29	−10 17.3	2.019	2.957	9.1	20.1
6 20	15 26.41	− 9 53.3	2.091	2.959	12.2	20.3

29486 1997 VG_{7} 5 19.6 247°.42 0°.5/19.9 18

4 11	16 14.61	−22 32.2	2.028	2.831	14.4	20.0
4 21	16 10.24	−22 22.4	1.924	2.816	11.4	19.8
5 1	16 3.41	−22 4.4	1.842	2.801	7.9	19.5
5 11	15 54.69	−21 38.6	1.786	2.785	3.9	19.2
5 21	15 44.92	−21 6.4	1.756	2.768	0.7	19.0
5 31	15 35.15	−20 30.5	1.755	2.751	4.9	19.2
6 10	15 26.46	−19 55.2	1.780	2.734	9.0	19.4
6 20	15 19.66	−19 24.5	1.829	2.716	12.8	19.6

368232 2001 UY_{37} 5 19.6 149°.74 2°.4/18.2 16

4 11	16 13.85	−15 36.3	2.103	2.914	13.7	22.4
4 21	16 9.14	−14 53.4	2.024	2.922	10.7	22.2
5 1	16 2.32	−14 6.4	1.969	2.929	7.2	22.0
5 11	15 54.02	−13 18.1	1.939	2.936	3.8	21.8
5 21	15 45.05	−12 32.1	1.937	2.943	2.7	21.8
5 31	15 36.33	−11 51.9	1.963	2.949	5.7	22.0
6 10	15 28.72	−11 21.0	2.017	2.954	9.1	22.2
6 20	15 22.84	−11 1.4	2.094	2.959	12.3	22.4

466071 2011 WV_{145} 5 19.6 160°.09 1°.8/20.6 16

4 11	16 18.86	−26 24.9	1.969	2.758	15.2	23.0
4 21	16 13.44	−26 19.6	1.885	2.766	12.2	22.8
5 1	16 5.44	−26 3.5	1.822	2.773	8.5	22.6
5 11	15 55.57	−25 35.9	1.785	2.779	4.6	22.4
5 21	15 44.81	−24 58.1	1.775	2.784	1.8	22.2
5 31	15 34.33	−24 13.3	1.793	2.789	4.9	22.4
6 10	15 25.21	−23 26.3	1.839	2.793	8.8	22.6
6 20	15 18.22	−22 42.1	1.909	2.796	12.3	22.9

12360 Unilandes 5 19.6 229°.80 0°.1/19.6 18

4 11	16 10.60	−20 34.6	2.900	3.694	10.7	19.2
4 21	16 6.25	−20 26.2	2.796	3.684	8.4	19.0
5 1	16 0.24	−20 13.2	2.717	3.674	5.7	18.9
5 11	15 53.04	−19 56.2	2.664	3.663	2.7	18.6
5 21	15 45.21	−19 36.3	2.640	3.652	0.5	18.4
5 31	15 37.43	−19 15.4	2.646	3.641	3.6	18.7
6 10	15 30.36	−18 55.7	2.680	3.629	6.6	18.8
6 20	15 24.54	−18 39.3	2.740	3.617	9.4	19.0

254576 2005 GU_{19} 5 19.6 6°.87 1°.3/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 10.42	−18 56.3	1.246	2.094	19.0	20.3
4 21	16 8.02	−18 36.3	1.176	2.095	15.0	20.0
5 1	16 2.38	−18 8.3	1.125	2.095	10.1	19.7
5 11	15 54.30	−17 34.9	1.095	2.097	4.8	19.4
5 21	15 45.01	−16 59.6	1.089	2.100	1.7	19.2
5 31	15 36.01	−16 27.6	1.106	2.103	6.9	19.5
6 10	15 28.72	−16 3.9	1.146	2.108	12.0	19.8
6 20	15 24.07	−15 52.1	1.206	2.113	16.5	20.1

167785 2005 AT_{31} 5 19.6 285°.06 8°.5/15.9 18

4 11	16 15.03	− 3 2.5	1.535	2.360	17.2	20.3
4 21	16 11.33	− 2 7.0	1.435	2.330	14.3	20.0
5 1	16 4.64	− 1 16.0	1.354	2.300	11.2	19.8
5 11	15 55.48	− 0 36.5	1.295	2.270	8.9	19.5
5 21	15 44.79	− 0 15.3	1.261	2.239	8.9	19.5
5 31	15 33.85	− 0 17.8	1.251	2.208	11.6	19.5
6 10	15 24.04	− 0 46.3	1.263	2.176	15.4	19.6
6 20	15 16.47	− 1 39.6	1.295	2.144	19.3	19.8

380365 2002 TB_{134} 5 19.6 333°.75 6°.3/22.4 18

4 11	16 8.98	−33 33.8	1.494	2.301	18.4	19.5
4 21	16 7.16	−34 11.9	1.399	2.281	15.5	19.3
5 1	16 2.06	−34 34.1	1.322	2.263	12.0	19.0
5 11	15 54.31	−34 36.1	1.267	2.245	8.5	18.8
5 21	15 44.98	−34 15.7	1.233	2.228	6.4	18.6
5 31	15 35.61	−33 33.8	1.224	2.213	7.7	18.6
6 10	15 27.75	−32 36.5	1.237	2.199	11.3	18.8
6 20	15 22.58	−31 32.0	1.271	2.186	15.3	19.0

343940 2011 KC_{22} 5 19.6 311°.51 0°.0/19.6 17

4 11	16 11.81	−21 12.1	1.838	2.655	15.1	21.5
4 21	16 8.16	−21 2.5	1.750	2.650	11.9	21.3
5 1	16 2.02	−20 45.5	1.683	2.645	8.1	21.0
5 11	15 54.02	−20 22.1	1.640	2.640	3.9	20.7
5 21	15 45.06	−19 54.0	1.623	2.635	0.6	20.5
5 31	15 36.22	−19 24.4	1.633	2.630	5.1	20.8
6 10	15 28.58	−18 57.2	1.669	2.625	9.3	21.0
6 20	15 22.91	−18 36.0	1.728	2.621	13.1	21.2

382786 2003 SW_{333} 5 19.6 198°.97 1°.3/20.4 18

4 11	16 14.22	−24 52.6	2.428	3.216	12.7	22.3
4 21	16 9.43	−24 53.8	2.332	3.213	10.1	22.1
5 1	16 2.58	−24 47.2	2.258	3.210	7.1	21.9
5 11	15 54.20	−24 32.8	2.210	3.206	3.7	21.7
5 21	15 45.04	−24 11.2	2.191	3.201	1.4	21.5
5 31	15 35.98	−23 44.4	2.200	3.196	4.1	21.7
6 10	15 27.89	−23 15.6	2.238	3.191	7.5	21.9
6 20	15 21.41	−22 48.1	2.300	3.185	10.6	22.1

173941 2001 WN_{51} 5 19.6 319°.98 0°.6/19.9 17

4 11	16 11.07	−22 44.6	2.072	2.881	13.9	20.2
4 21	16 7.31	−22 39.6	1.982	2.876	11.0	20.0
5 1	16 1.30	−22 27.0	1.913	2.872	7.6	19.7
5 11	15 53.64	−22 7.5	1.870	2.869	3.7	19.5
5 21	15 45.14	−21 42.2	1.853	2.865	0.8	19.3
5 31	15 36.75	−21 13.9	1.864	2.861	4.5	19.5
6 10	15 29.43	−20 46.1	1.901	2.858	8.4	19.8
6 20	15 23.89	−20 22.2	1.963	2.855	11.8	20.0

198629 2005 AM_{50} 5 19.6 182°.01 1°.7/18.6 18

4 11	16 12.54	−16 47.7	2.362	3.168	12.5	21.2
4 21	16 7.99	−16 16.9	2.273	3.168	9.8	21.0
5 1	16 1.51	−15 41.8	2.208	3.169	6.6	20.8
5 11	15 53.66	−15 4.5	2.170	3.168	3.3	20.6
5 21	15 45.14	−14 27.7	2.159	3.168	1.9	20.5
5 31	15 36.78	−13 54.2	2.178	3.167	4.9	20.7
6 10	15 29.37	−13 27.0	2.224	3.165	8.2	20.9
6 20	15 23.49	−13 8.4	2.294	3.163	11.2	21.1

287857 2003 SW_{255} 5 19.6 186°.72 2°.2/18.4 17

4 11	16 14.77	−17 10.8	1.806	2.623	15.3	20.8
4 21	16 10.34	−16 28.6	1.722	2.623	12.0	20.6
5 1	16 3.41	−15 40.1	1.660	2.623	8.2	20.4
5 11	15 54.65	−14 48.1	1.623	2.622	4.1	20.1
5 21	15 44.98	−13 56.4	1.612	2.621	2.5	20.0
5 31	15 35.54	−13 9.8	1.629	2.619	6.2	20.2
6 10	15 27.36	−12 32.7	1.672	2.616	10.2	20.5
6 20	15 21.20	−12 7.9	1.738	2.613	13.9	20.7

36893 2000 SA_{170} 5 19.6 264°.78 1°.2/20.2 18

4 11	16 13.66	−24 6.4	1.912	2.718	15.0	19.2
4 21	16 9.68	−24 6.1	1.813	2.706	12.0	19.0
5 1	16 3.12	−23 56.9	1.736	2.693	8.4	18.7
5 11	15 54.59	−23 38.6	1.683	2.681	4.3	18.5
5 21	15 44.98	−23 12.1	1.657	2.668	1.3	18.2
5 31	15 35.39	−22 39.9	1.658	2.655	5.0	18.4
6 10	15 26.97	−22 6.3	1.685	2.642	9.2	18.7
6 20	15 20.55	−21 35.7	1.735	2.629	13.0	18.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
120287 2004 HO_{59}			5 19.6 318°.13		0°.0/19.7 18	
	h m	° ′			°	m
4 11	16 7.03	−21 11.9	2.693	3.498	11.2	19.6
4 21	16 3.67	−21 0.2	2.588	3.482	8.8	19.4
5 1	15 58.62	−20 42.9	2.506	3.465	6.0	19.2
5 11	15 52.32	−20 21.0	2.449	3.449	2.9	18.9
5 21	15 45.36	−19 55.9	2.421	3.433	0.5	18.7
5 31	15 38.42	−19 29.6	2.421	3.417	3.8	18.9
6 10	15 32.21	−19 4.7	2.449	3.402	6.9	19.1
6 20	15 27.28	−18 43.7	2.502	3.387	9.8	19.3
347711 2001 XQ_{56}			5 19.6 152°.24		1°.5/20.9 18	
4 11	16 12.27	−27 40.5	3.076	3.848	10.7	21.9
4 21	16 7.34	−27 20.7	2.987	3.857	8.5	21.8
5 1	16 0.84	−26 52.4	2.921	3.866	6.0	21.6
5 11	15 53.27	−26 15.8	2.883	3.875	3.3	21.5
5 21	15 45.23	−25 32.3	2.874	3.883	1.5	21.3
5 31	15 37.38	−24 44.1	2.895	3.890	3.3	21.5
6 10	15 30.37	−23 54.6	2.945	3.897	6.0	21.7
6 20	15 24.65	−23 6.9	3.022	3.903	8.5	21.8
377904 2006 DW_{120}			5 19.6 46°.45		8°.6/23.5 17	
4 11	16 18.56	−39 8.3	1.695	2.456	18.4	20.3
4 21	16 14.34	−40 21.2	1.624	2.467	15.7	20.2
5 1	16 6.69	−41 16.7	1.572	2.478	12.8	20.0
5 11	15 56.39	−41 48.9	1.540	2.489	10.1	19.9
5 21	15 44.72	−41 54.1	1.533	2.501	8.6	19.8
5 31	15 33.31	−41 32.8	1.549	2.513	9.2	19.9
6 10	15 23.71	−40 50.4	1.589	2.525	11.3	20.0
6 20	15 16.97	−39 55.3	1.651	2.537	14.0	20.2
243282 2008 CJ_{86}			5 19.6 219°.28		7°.4/14.1 17	
4 11	16 9.40	+ 3 5.8	2.589	3.382	11.9	20.6
4 21	16 5.32	+ 4 8.1	2.511	3.377	10.1	20.5
5 1	15 59.61	+ 5 3.1	2.457	3.371	8.4	20.4
5 11	15 52.75	+ 5 46.1	2.427	3.366	7.5	20.3
5 21	15 45.32	+ 6 13.6	2.423	3.360	7.7	20.3
5 31	15 38.01	+ 6 22.9	2.446	3.354	9.0	20.4
6 10	15 31.47	+ 6 13.4	2.492	3.348	10.9	20.5
6 20	15 26.21	+ 5 46.3	2.560	3.341	12.8	20.6
161416 2003 UU_{254}			5 19.6 274°.14		8°.3/23.9 18	
4 11	16 20.35	−43 52.4	2.375	3.083	15.1	20.5
4 21	16 15.38	−44 42.6	2.253	3.053	13.3	20.3
5 1	16 7.34	−45 17.7	2.150	3.023	11.3	20.1
5 11	15 56.78	−45 32.1	2.069	2.991	9.5	19.9
5 21	15 44.63	−45 21.7	2.012	2.959	8.4	19.8
5 31	15 32.25	−44 45.3	1.981	2.927	8.7	19.7
6 10	15 21.06	−43 46.2	1.976	2.894	10.4	19.8
6 20	15 12.19	−42 30.9	1.994	2.860	12.8	19.8
69864 1998 SG_{59}			5 19.6 192°.07		4°.0/16.9 18	
4 11	16 11.15	− 9 55.3	2.389	3.200	12.2	20.1
4 21	16 6.84	− 9 2.6	2.304	3.199	9.7	19.9
5 1	16 0.70	− 8 9.3	2.242	3.197	6.9	19.7
5 11	15 53.28	− 7 18.9	2.207	3.195	4.6	19.5
5 21	15 45.23	− 6 35.1	2.200	3.192	4.3	19.5
5 31	15 37.34	− 6 1.3	2.221	3.189	6.5	19.6
6 10	15 30.32	− 5 39.9	2.268	3.186	9.3	19.8
6 20	15 24.74	− 5 31.7	2.339	3.182	11.9	20.0
179506 2002 CC_{131}			5 19.6 108°.54		4°.9/16.4 18	
4 11	16 9.08	− 6 36.0	2.348	3.162	12.3	20.4
4 21	16 5.23	− 5 46.3	2.269	3.163	9.8	20.2
5 1	15 59.62	− 4 58.8	2.215	3.165	7.3	20.1
5 11	15 52.76	− 4 17.3	2.186	3.166	5.3	19.9
5 21	15 45.32	− 3 45.3	2.183	3.167	5.2	19.9
5 31	15 38.04	− 3 25.7	2.209	3.168	7.1	20.0
6 10	15 31.63	− 3 20.1	2.259	3.170	9.6	20.2
6 20	15 26.63	− 3 28.5	2.333	3.171	12.1	20.4
377396 2004 RU_{354}			5 19.6 177°.48		0°.7/20.0 17	
4 11	16 14.54	−23 1.9	2.192	2.989	13.6	22.2
4 21	16 9.83	−22 54.7	2.102	2.991	10.8	22.0
5 1	16 2.91	−22 39.9	2.036	2.992	7.4	21.8
5 11	15 54.38	−22 18.0	1.995	2.993	3.6	21.5
5 21	15 45.06	−21 50.1	1.981	2.993	0.8	21.3
5 31	15 35.90	−21 18.9	1.996	2.993	4.4	21.6
6 10	15 27.83	−20 48.0	2.039	2.992	8.1	21.8
6 20	15 21.52	−20 20.8	2.106	2.991	11.4	22.0
216583 2002 GW_{131}			5 19.6 277°.19		1°.3/18.9 18	
4 11	16 13.71	−19 49.9	1.614	2.438	16.5	20.0
4 21	16 10.23	−19 15.2	1.510	2.415	13.2	19.7
5 1	16 3.82	−18 30.3	1.426	2.391	9.0	19.4
5 11	15 55.07	−17 37.2	1.366	2.367	4.3	19.0
5 21	15 44.94	−16 39.1	1.332	2.343	1.7	18.8
5 31	15 34.71	−15 41.5	1.324	2.319	6.5	19.0
6 10	15 25.73	−14 50.6	1.341	2.294	11.5	19.2
6 20	15 19.03	−14 11.6	1.379	2.269	16.0	19.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
156219 2001 UP_{75}			5 19.6 169°.30		0°.5/19.3 18	
	h m	° ′			°	m
4 11	16 15.36	−19 19.6	2.279	3.079	13.1	21.3
4 21	16 10.29	−19 8.1	2.192	3.083	10.3	21.1
5 1	16 3.13	−18 51.5	2.128	3.087	6.9	20.9
5 11	15 54.46	−18 31.0	2.091	3.090	3.3	20.7
5 21	15 45.07	−18 8.0	2.081	3.093	0.8	20.5
5 31	15 35.84	−17 45.1	2.101	3.094	4.5	20.8
6 10	15 27.65	−17 25.1	2.148	3.096	8.1	21.0
6 20	15 21.13	−17 10.5	2.220	3.096	11.3	21.2
365088 2009 BS_{106}			5 19.6 158°.78		0°.6/19.9 16	
4 11	16 17.45	−23 11.4	1.714	2.521	16.4	21.8
4 21	16 12.68	−22 57.1	1.633	2.527	13.0	21.5
5 1	16 5.11	−22 32.9	1.573	2.532	8.9	21.3
5 11	15 55.50	−21 59.3	1.538	2.536	4.3	21.0
5 21	15 44.90	−21 18.4	1.528	2.540	0.8	20.8
5 31	15 34.58	−20 34.1	1.547	2.544	5.3	21.1
6 10	15 25.73	−19 51.6	1.591	2.546	9.8	21.4
6 20	15 19.17	−19 15.7	1.658	2.549	13.7	21.6
488056 2015 UH_{55}			5 19.6 198°.78		0°.3/19.9 17	
4 11	16 7.23	−21 53.8	4.033	4.817	8.1	23.2
4 21	16 3.15	−21 48.3	3.932	4.813	6.4	23.1
5 1	15 57.93	−21 39.0	3.856	4.810	4.3	22.9
5 11	15 51.91	−21 26.3	3.807	4.805	2.1	22.8
5 21	15 45.49	−21 11.0	3.789	4.801	0.4	22.6
5 31	15 39.13	−20 54.4	3.801	4.796	2.6	22.8
6 10	15 33.28	−20 37.8	3.842	4.791	4.8	22.9
6 20	15 28.29	−20 22.9	3.910	4.786	6.8	23.1
413862 2006 UY_{54}			5 19.6 280°.01		0°.9/20.4 16	
4 11	16 7.87	−24 51.4	3.367	4.152	9.6	21.7
4 21	16 4.01	−24 40.2	3.249	4.128	7.6	21.5
5 1	15 58.71	−24 22.7	3.154	4.105	5.3	21.3
5 11	15 52.35	−23 59.1	3.086	4.081	2.8	21.1
5 21	15 45.42	−23 30.4	3.047	4.058	0.9	20.9
5 31	15 38.49	−22 58.2	3.038	4.033	3.1	21.1
6 10	15 32.15	−22 24.8	3.057	4.009	5.8	21.2
6 20	15 26.86	−21 52.7	3.103	3.985	8.2	21.3
170550 2003 WJ_{130}			5 19.6 144°.78		0°.8/19.4 18	
4 11	16 17.24	−17 54.1	1.711	2.526	16.1	20.4
4 21	16 12.49	−17 59.0	1.632	2.531	12.7	20.1
5 1	16 5.00	−18 0.1	1.574	2.536	8.6	19.9
5 11	15 55.48	−17 58.3	1.540	2.540	4.1	19.6
5 21	15 44.94	−17 54.6	1.533	2.544	1.1	19.4
5 31	15 34.60	−17 51.2	1.553	2.548	5.6	19.7
6 10	15 25.65	−17 50.8	1.599	2.552	10.0	20.0
6 20	15 18.91	−17 56.0	1.668	2.555	13.8	20.2
365885 2011 UM_{369}			5 19.6 198°.16		1°.7/18.9 16	
4 11	16 18.11	−15 51.6	1.705	2.521	16.2	21.4
4 21	16 13.25	−15 48.3	1.619	2.519	12.7	21.2
5 1	16 5.59	−15 42.4	1.554	2.516	8.7	21.0
5 11	15 55.80	−15 35.5	1.513	2.513	4.3	20.7
5 21	15 44.89	−15 29.1	1.499	2.509	2.0	20.5
5 31	15 34.09	−15 25.8	1.512	2.505	6.1	20.8
6 10	15 24.62	−15 28.1	1.551	2.500	10.5	21.0
6 20	15 17.39	−15 38.0	1.613	2.495	14.5	21.2
270441 2002 CS_{124}			5 19.6 94°.46		2°.0/18.6 17	
4 11	16 14.00	−16 28.9	1.885	2.702	14.8	21.1
4 21	16 9.45	−15 56.6	1.817	2.718	11.5	20.9
5 1	16 2.63	−15 20.1	1.772	2.734	7.8	20.7
5 11	15 54.23	−14 42.0	1.751	2.750	3.9	20.5
5 21	15 45.16	−14 5.6	1.757	2.766	2.3	20.4
5 31	15 36.43	−13 34.4	1.792	2.781	5.7	20.6
6 10	15 28.97	−13 11.5	1.852	2.796	9.4	20.9
6 20	15 23.42	−12 58.9	1.935	2.811	12.7	21.1
131151 2001 CD_{7}			5 19.6 68°.86		3°.1/18.1 18	
4 11	16 12.26	−13 0.4	1.862	2.684	14.7	19.7
4 21	16 8.24	−12 33.3	1.786	2.690	11.5	19.5
5 1	16 1.91	−12 4.9	1.733	2.695	7.9	19.3
5 11	15 53.94	−11 38.2	1.704	2.700	4.4	19.1
5 21	15 45.19	−11 16.3	1.701	2.706	3.4	19.0
5 31	15 36.67	−11 2.1	1.726	2.711	6.3	19.2
6 10	15 29.32	−10 58.1	1.776	2.717	10.0	19.5
6 20	15 23.83	−11 5.1	1.848	2.722	13.3	19.7
465043 2006 QE_{81}			5 19.6 268°.46		2°.9/18.2 17	
4 11	16 13.45	−15 35.2	1.672	2.498	16.0	21.9
4 21	16 9.77	−14 55.6	1.575	2.481	12.6	21.6
5 1	16 3.36	−14 10.1	1.499	2.463	8.7	21.3
5 11	15 54.81	−13 22.0	1.446	2.445	4.6	21.0
5 21	15 45.05	−12 35.2	1.420	2.427	3.2	20.9
5 31	15 35.29	−11 54.7	1.420	2.409	7.0	21.1
6 10	15 26.74	−11 25.3	1.445	2.390	11.5	21.3
6 20	15 20.31	−11 9.9	1.492	2.371	15.6	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
303755 2005 QP_{126}			5 19.6 153°.30		0°.3/19.9 18	
	h m	° ′			°	m
4 11	16 11.43	−22 2.0	2.781	3.573	11.2	21.9
4 21	16 6.89	−21 53.2	2.693	3.579	8.8	21.7
5 1	16 0.67	−21 38.9	2.629	3.585	6.0	21.5
5 11	15 53.27	−21 19.6	2.592	3.590	2.9	21.3
5 21	15 45.32	−20 56.6	2.583	3.595	0.5	21.1
5 31	15 37.52	−20 31.8	2.604	3.600	3.6	21.4
6 10	15 30.54	−20 7.8	2.653	3.604	6.6	21.6
6 20	15 24.89	−19 46.9	2.728	3.608	9.3	21.8
173612 2001 FV_{10}			5 19.6 347°.84		8°.5/22.2 17	
4 11	16 11.75	−33 29.4	1.198	2.018	21.3	19.0
4 21	16 10.19	−34 51.8	1.121	2.009	18.0	18.7
5 1	16 4.64	−35 59.6	1.060	2.001	14.2	18.4
5 11	15 55.76	−36 45.7	1.019	1.995	10.5	18.2
5 21	15 44.88	−37 4.3	0.999	1.989	8.5	18.1
5 31	15 33.97	−36 54.3	1.000	1.985	9.9	18.1
6 10	15 25.06	−36 21.6	1.023	1.982	13.4	18.3
6 20	15 19.55	−35 35.4	1.064	1.981	17.4	18.5
88779 2001 SK_{93}			5 19.6 154°.65		1°.0/20.3 18	
4 11	16 12.66	−24 10.0	2.564	3.354	12.1	20.9
4 21	16 8.03	−24 5.2	2.476	3.359	9.5	20.7
5 1	16 1.53	−23 53.4	2.411	3.364	6.6	20.5
5 11	15 53.71	−23 34.6	2.373	3.369	3.4	20.3
5 21	15 45.26	−23 10.0	2.363	3.374	1.0	20.2
5 31	15 36.96	−22 41.8	2.382	3.378	3.8	20.4
6 10	15 29.59	−22 12.8	2.428	3.381	7.0	20.6
6 20	15 23.72	−21 46.0	2.501	3.385	9.9	20.8
117234 2004 SO_{11}			5 19.7 303°.18		2°.4/18.9 18	
4 11	16 14.63	−13 19.9	1.627	2.453	16.3	19.7
4 21	16 10.92	−13 30.9	1.527	2.432	13.0	19.4
5 1	16 4.31	−13 43.3	1.447	2.411	9.0	19.1
5 11	15 55.36	−13 58.7	1.391	2.391	4.7	18.8
5 21	15 44.97	−14 18.5	1.361	2.370	2.6	18.6
5 31	15 34.41	−14 43.9	1.357	2.350	6.6	18.8
6 10	15 25.00	−15 16.2	1.378	2.330	11.3	19.0
6 20	15 17.79	−15 56.1	1.420	2.310	15.6	19.2
116135 2003 WC_{144}			5 19.7 126°.74		0°.7/19.3 17	
4 11	16 16.64	−19 36.8	1.787	2.599	15.7	21.2
4 21	16 11.78	−19 18.4	1.714	2.611	12.3	21.0
5 1	16 4.36	−18 53.5	1.661	2.623	8.3	20.8
5 11	15 55.12	−18 23.5	1.634	2.634	3.9	20.5
5 21	15 45.06	−17 50.9	1.633	2.644	1.1	20.3
5 31	15 35.32	−17 19.2	1.660	2.654	5.4	20.7
6 10	15 26.96	−16 52.4	1.713	2.664	9.5	20.9
6 20	15 20.72	−16 33.5	1.789	2.673	13.2	21.2
132749 2002 PE_{47}			5 19.7 275°.93		4°.0/17.0 18	
4 11	16 10.15	−12 30.2	2.049	2.870	13.6	19.5
4 21	16 6.55	−11 28.8	1.953	2.855	10.8	19.3
5 1	16 0.81	−10 23.4	1.879	2.840	7.6	19.1
5 11	15 53.48	− 9 18.2	1.832	2.824	4.7	18.9
5 21	15 45.31	− 8 17.7	1.811	2.809	4.3	18.8
5 31	15 37.20	− 7 26.9	1.818	2.793	7.0	18.9
6 10	15 30.06	− 6 49.5	1.850	2.778	10.4	19.1
6 20	15 24.57	− 6 27.7	1.905	2.762	13.7	19.3
424337 2007 UM_{105}			5 19.7 276°.17		2°.3/18.5 17	
4 11	16 13.46	−17 44.6	1.560	2.389	16.8	21.4
4 21	16 10.07	−17 3.1	1.461	2.368	13.3	21.1
5 1	16 3.74	−16 12.8	1.382	2.348	9.1	20.8
5 11	15 55.07	−15 16.5	1.327	2.327	4.6	20.4
5 21	15 45.04	−14 18.5	1.297	2.306	2.7	20.3
5 31	15 34.97	−13 24.5	1.292	2.284	7.1	20.5
6 10	15 26.17	−12 40.5	1.313	2.262	12.0	20.7
6 20	15 19.68	−12 10.9	1.354	2.241	16.4	20.9
523019 2016 PZ_{123}			5 19.7 232°.08		3°.0/21.4 18	
4 11	16 13.54	−29 46.9	2.719	3.489	12.0	21.9
4 21	16 8.90	−30 11.8	2.616	3.481	9.7	21.7
5 1	16 2.26	−30 28.4	2.536	3.473	7.2	21.6
5 11	15 54.14	−30 35.3	2.482	3.464	4.6	21.4
5 21	15 45.21	−30 32.0	2.455	3.455	3.1	21.3
5 31	15 36.29	−30 19.2	2.457	3.446	4.4	21.3
6 10	15 28.22	−29 59.5	2.487	3.437	7.0	21.5
6 20	15 21.64	−29 36.2	2.543	3.428	9.7	21.6
333836 2012 KN_{50}			5 19.7 347°.22		6°.5/17.4 17	
4 11	16 9.17	− 7 37.9	1.282	2.134	18.4	19.7
4 21	16 6.92	− 7 1.7	1.209	2.125	14.8	19.5
5 1	16 1.64	− 6 29.4	1.154	2.118	10.8	19.2
5 11	15 54.05	− 6 6.8	1.121	2.111	7.4	19.0
5 21	15 45.22	− 5 59.2	1.110	2.106	6.8	19.0
5 31	15 36.54	− 6 10.3	1.122	2.102	9.8	19.1
6 10	15 29.35	− 6 41.3	1.156	2.098	14.0	19.3
6 20	15 24.60	− 7 30.8	1.209	2.096	17.9	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
506049 2015 KC_{105}			5 19.7 47°.86		5°.7/17.4 17	
	h m	° ′			°	m
4 11	16 12.83	− 4 27.4	1.919	2.735	14.6	21.0
4 21	16 8.51	− 4 5.8	1.851	2.744	11.7	20.8
5 1	16 2.01	− 3 50.3	1.805	2.753	8.7	20.7
5 11	15 53.98	− 3 44.8	1.783	2.763	6.3	20.5
5 21	15 45.26	− 3 51.8	1.787	2.773	5.9	20.5
5 31	15 36.79	− 4 12.9	1.818	2.783	7.9	20.7
6 10	15 29.46	− 4 48.2	1.874	2.793	10.8	20.9
6 20	15 23.90	− 5 36.1	1.952	2.804	13.6	21.1
380168 2000 QQ_{168}			5 19.7 261°.87		8°.2/23.5 18	
4 11	16 19.59	−41 17.5	2.080	2.813	16.2	20.5
4 21	16 14.99	−42 11.7	1.973	2.794	14.2	20.3
5 1	16 7.19	−42 50.5	1.884	2.775	11.8	20.1
5 11	15 56.77	−43 8.1	1.817	2.756	9.6	19.9
5 21	15 44.78	−43 0.6	1.775	2.736	8.3	19.8
5 31	15 32.65	−42 27.1	1.758	2.716	8.7	19.8
6 10	15 21.89	−41 31.8	1.766	2.695	10.8	19.9
6 20	15 13.63	−40 21.9	1.797	2.674	13.5	20.0
393025 2012 YW_{3}			5 19.7 151°.16		5°.3/22.9 18	
4 11	16 17.39	−37 25.1	2.781	3.513	12.6	21.9
4 21	16 11.97	−38 9.9	2.692	3.520	10.6	21.8
5 1	16 4.37	−38 43.3	2.624	3.526	8.5	21.6
5 11	15 55.14	−39 2.5	2.581	3.532	6.5	21.5
5 21	15 45.07	−39 5.7	2.566	3.538	5.3	21.4
5 31	15 35.10	−38 53.6	2.578	3.543	5.9	21.5
6 10	15 26.13	−38 28.7	2.617	3.548	7.6	21.6
6 20	15 18.88	−37 55.4	2.682	3.553	9.7	21.7
306897 2001 TD_{152}			5 19.7 229°.73		0°.3/19.5 17	
4 11	16 13.58	−18 41.7	2.403	3.204	12.5	20.9
4 21	16 8.96	−18 51.3	2.307	3.198	9.8	20.7
5 1	16 2.32	−18 57.9	2.233	3.192	6.7	20.5
5 11	15 54.18	−19 1.8	2.186	3.185	3.2	20.2
5 21	15 45.23	−19 3.6	2.167	3.179	0.6	20.0
5 31	15 36.33	−19 4.6	2.177	3.172	4.3	20.3
6 10	15 28.30	−19 6.8	2.214	3.165	7.7	20.5
6 20	15 21.82	−19 11.9	2.277	3.158	10.9	20.7
188262 2002 YK_{28}			5 19.7 118°.06		0°.3/19.5 17	
4 11	16 15.32	−20 12.0	1.800	2.613	15.5	20.4
4 21	16 10.82	−20 4.2	1.723	2.621	12.2	20.2
5 1	16 3.78	−19 50.0	1.667	2.629	8.3	20.0
5 11	15 54.89	−19 30.4	1.636	2.636	3.9	19.7
5 21	15 45.13	−19 7.2	1.632	2.644	0.7	19.5
5 31	15 35.62	−18 43.5	1.655	2.651	5.2	19.8
6 10	15 27.45	−18 22.7	1.704	2.658	9.4	20.1
6 20	15 21.35	−18 8.2	1.776	2.665	13.0	20.3
439750 2015 FC_{324}			5 19.7 126°.45		7°.9/14.9 17	
4 11	16 11.27	+ 0 15.5	2.069	2.877	14.0	20.7
4 21	16 7.13	+ 1 25.2	2.002	2.882	11.6	20.5
5 1	16 1.01	+ 2 27.7	1.958	2.887	9.4	20.4
5 11	15 53.50	+ 3 17.4	1.938	2.893	8.0	20.3
5 21	15 45.35	+ 3 49.6	1.944	2.898	8.2	20.3
5 31	15 37.44	+ 4 1.4	1.975	2.902	9.8	20.4
6 10	15 30.55	+ 3 52.1	2.030	2.907	12.1	20.6
6 20	15 25.28	+ 3 23.4	2.105	2.912	14.4	20.7
478222 2011 UO_{313}			5 19.7 351°.08		0°.2/19.8 18	
4 11	16 13.01	−19 44.8	2.267	3.071	13.0	21.0
4 21	16 8.62	−20 1.6	2.178	3.070	10.2	20.8
5 1	16 2.14	−20 14.9	2.111	3.070	7.0	20.6
5 11	15 54.10	−20 24.7	2.070	3.070	3.3	20.3
5 21	15 45.26	−20 31.4	2.057	3.069	0.5	20.1
5 31	15 36.50	−20 36.2	2.073	3.069	4.3	20.4
6 10	15 28.70	−20 40.8	2.115	3.069	7.9	20.6
6 20	15 22.54	−20 47.4	2.183	3.069	11.0	20.8
160259 Mareike			5 19.7 244°.16		0°.4/19.4 18	
4 11	16 9.25	−19 27.8	2.803	3.604	10.9	20.9
4 21	16 5.26	−19 17.3	2.707	3.599	8.5	20.7
5 1	15 59.64	−19 2.6	2.635	3.594	5.8	20.5
5 11	15 52.84	−18 44.6	2.589	3.589	2.7	20.3
5 21	15 45.46	−18 24.9	2.572	3.583	0.7	20.1
5 31	15 38.15	−18 5.1	2.584	3.578	3.7	20.4
6 10	15 31.58	−17 47.6	2.623	3.572	6.7	20.6
6 20	15 26.27	−17 34.3	2.688	3.567	9.5	20.7
141945 2002 PR_{106}			5 19.7 7°.88		0°.7/20.0 17	
4 11	16 7.83	−25 4.4	1.143	1.992	20.3	19.1
4 21	16 6.36	−24 28.3	1.075	1.993	16.1	18.8
5 1	16 1.45	−23 34.5	1.026	1.995	11.1	18.5
5 11	15 53.98	−22 25.1	0.997	1.998	5.4	18.2
5 21	15 45.28	−21 5.2	0.990	2.002	0.9	17.9
5 31	15 36.98	−19 43.2	1.007	2.007	6.6	18.3
6 10	15 30.55	−18 28.4	1.046	2.014	12.0	18.6
6 20	15 26.92	−17 27.9	1.104	2.022	16.8	18.9

207369 2005 LL_{11} 5 19.7 267°.97 0°.3/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 7.27	−22 9.7	3.424	4.215	9.3	21.0
4 21	16 3.49	−21 58.0	3.314	4.199	7.3	20.8
5 1	15 58.34	−21 41.4	3.228	4.184	5.0	20.7
5 11	15 52.21	−21 20.4	3.170	4.168	2.4	20.5
5 21	15 45.57	−20 56.3	3.140	4.152	0.4	20.3
5 31	15 38.95	−20 30.5	3.141	4.136	3.0	20.5
6 10	15 32.91	−20 5.2	3.169	4.120	5.6	20.6
6 20	15 27.88	−19 42.3	3.224	4.104	8.0	20.8

198539 2004 XJ_{121} 5 19.7 95°.29 1°.0/19.1 17

4 11	16 14.21	−18 2.1	2.050	2.860	14.0	20.6
4 21	16 9.51	−17 49.0	1.980	2.876	10.9	20.5
5 1	16 2.64	−17 31.6	1.932	2.893	7.3	20.3
5 11	15 54.28	−17 11.5	1.909	2.909	3.5	20.1
5 21	15 45.26	−16 50.6	1.914	2.925	1.3	19.9
5 31	15 36.53	−16 31.5	1.947	2.940	4.9	20.2
6 10	15 28.98	−16 16.9	2.007	2.956	8.5	20.4
6 20	15 23.22	−16 9.1	2.090	2.971	11.7	20.7

76824 2000 SA_{89} 5 19.7 207°.90 1°.7/21.7 18

4 11	16 4.50	−30 22.3	4.995	5.752	7.0	20.6
4 21	16 0.93	−30 24.1	4.892	5.749	5.7	20.5
5 1	15 56.41	−30 20.4	4.813	5.746	4.2	20.4
5 11	15 51.23	−30 11.0	4.762	5.743	2.6	20.3
5 21	15 45.73	−29 56.4	4.740	5.739	1.7	20.2
5 31	15 40.28	−29 37.3	4.747	5.736	2.5	20.2
6 10	15 35.25	−29 15.2	4.783	5.733	3.9	20.4
6 20	15 30.95	−28 51.5	4.847	5.729	5.5	20.5

90726 1992 BE_{4} 5 19.7 250°.39 4°.4/21.5 17

4 11	16 17.85	−30 20.5	1.635	2.430	17.6	19.8
4 21	16 13.77	−30 43.6	1.538	2.417	14.5	19.6
5 1	16 6.41	−30 53.3	1.460	2.404	10.8	19.3
5 11	15 56.42	−30 46.3	1.404	2.390	6.8	19.0
5 21	15 44.90	−30 21.0	1.374	2.377	4.4	18.9
5 31	15 33.36	−29 39.5	1.369	2.362	6.5	18.9
6 10	15 23.31	−28 47.4	1.390	2.348	10.7	19.1
6 20	15 15.89	−27 52.2	1.432	2.332	14.8	19.3

31666 1999 JK_{3} 5 19.7 307°.07 6°.9/17.3 18

4 11	16 13.58	− 3 44.0	1.631	2.455	16.4	17.3
4 21	16 9.85	− 3 19.6	1.542	2.439	13.4	17.1
5 1	16 3.42	− 3 2.5	1.472	2.423	10.2	16.8
5 11	15 54.88	− 2 57.6	1.426	2.407	7.5	16.6
5 21	15 45.15	− 3 9.0	1.405	2.391	7.2	16.6
5 31	15 35.41	− 3 39.3	1.408	2.375	9.6	16.7
6 10	15 26.84	− 4 28.6	1.436	2.360	13.1	16.8
6 20	15 20.36	− 5 34.9	1.484	2.346	16.6	17.0

351489 2005 QZ_{110} 5 19.7 157°.53 3°.7/21.9 16

4 11	16 13.77	−32 4.2	2.535	3.301	12.8	21.4
4 21	16 9.18	−32 26.8	2.444	3.304	10.5	21.2
5 1	16 2.49	−32 38.9	2.375	3.306	7.9	21.0
5 11	15 54.27	−32 38.9	2.331	3.308	5.3	20.9
5 21	15 45.27	−32 26.4	2.314	3.310	3.8	20.8
5 31	15 36.39	−32 2.7	2.326	3.312	4.9	20.8
6 10	15 28.51	−31 31.0	2.365	3.314	7.4	21.0
6 20	15 22.28	−30 55.3	2.428	3.315	10.0	21.2

312911 2011 UC_{363} 5 19.7 178°.06 0°.2/19.6 16

4 11	16 10.99	−20 31.8	2.855	3.650	10.9	22.9
4 21	16 6.54	−20 18.6	2.763	3.651	8.5	22.7
5 1	16 0.46	−20 0.6	2.695	3.652	5.7	22.5
5 11	15 53.23	−19 38.6	2.653	3.652	2.7	22.3
5 21	15 45.45	−19 14.0	2.641	3.653	0.5	22.1
5 31	15 37.78	−18 48.8	2.658	3.653	3.6	22.4
6 10	15 30.88	−18 25.4	2.703	3.652	6.6	22.6
6 20	15 25.26	−18 6.0	2.774	3.651	9.3	22.7

151955 2004 GH_{3} 5 19.7 19°.94 0°.8/19.9 15

4 11	16 14.24	−22 11.1	1.152	1.995	20.6	20.3
4 21	16 11.48	−22 16.1	1.083	1.997	16.3	20.1
5 1	16 5.03	−22 10.9	1.033	2.000	11.2	19.8
5 11	15 55.76	−21 55.7	1.003	2.003	5.5	19.5
5 21	15 45.05	−21 31.9	0.995	2.007	1.1	19.2
5 31	15 34.66	−21 3.8	1.012	2.012	6.7	19.5
6 10	15 26.23	−20 37.4	1.050	2.016	12.3	19.9
6 20	15 20.84	−20 18.2	1.108	2.021	17.1	20.2

323733 2005 LH_{18} 5 19.7 49°.39 3°.2/18.3 17

4 11	16 13.00	−15 25.9	1.357	2.198	18.2	20.9
4 21	16 9.55	−14 43.4	1.296	2.210	14.2	20.7
5 1	16 3.15	−13 56.3	1.255	2.223	9.7	20.5
5 11	15 54.65	−13 8.8	1.237	2.236	5.1	20.2
5 21	15 45.24	−12 26.0	1.243	2.250	3.5	20.2
5 31	15 36.28	−11 52.7	1.274	2.263	7.4	20.4
6 10	15 28.97	−11 33.0	1.328	2.278	11.8	20.7
6 20	15 24.08	−11 28.4	1.403	2.292	15.8	21.0

71434 2000 AJ_{205} 5 19.7 228°.10 3°.6/21.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 15.09	−31 42.5	2.401	3.169	13.4	19.6
4 21	16 10.42	−31 54.9	2.298	3.160	11.0	19.4
5 1	16 3.47	−31 55.9	2.216	3.150	8.2	19.2
5 11	15 54.79	−31 43.9	2.160	3.140	5.4	19.0
5 21	15 45.21	−31 18.5	2.130	3.129	3.6	18.9
5 31	15 35.68	−30 41.4	2.129	3.118	5.0	18.9
6 10	15 27.17	−29 56.3	2.155	3.106	7.9	19.1
6 20	15 20.44	−29 8.0	2.206	3.094	10.8	19.3

508196 2015 FN_{355} 5 19.7 214°.71 0°.8/20.1 17

4 11	16 14.28	−22 21.7	2.193	2.992	13.6	21.8
4 21	16 9.76	−22 29.1	2.099	2.988	10.7	21.6
5 1	16 3.00	−22 30.4	2.028	2.984	7.4	21.3
5 11	15 54.56	−22 25.5	1.982	2.979	3.7	21.1
5 21	15 45.25	−22 15.1	1.963	2.975	0.9	20.9
5 31	15 36.01	−22 0.8	1.973	2.970	4.4	21.1
6 10	15 27.79	−21 45.6	2.010	2.965	8.1	21.3
6 20	15 21.32	−21 32.5	2.072	2.959	11.5	21.5

393961 2005 UK_{241} 5 19.7 276°.34 0°.0/19.7 18

4 11	16 11.47	−20 14.9	2.393	3.197	12.4	21.4
4 21	16 7.41	−20 15.9	2.291	3.183	9.8	21.2
5 1	16 1.34	−20 12.3	2.211	3.170	6.7	20.9
5 11	15 53.77	−20 4.5	2.157	3.156	3.2	20.7
5 21	15 45.37	−19 53.6	2.130	3.142	0.5	20.4
5 31	15 36.97	−19 41.3	2.133	3.128	4.2	20.7
6 10	15 29.42	−19 30.0	2.162	3.115	7.8	20.9
6 20	15 23.39	−19 22.0	2.216	3.101	11.0	21.1

9415 Yujiokimura 5 19.7 198°.76 1°.9/20.4 18

4 11	16 18.04	−24 41.9	1.542	2.354	17.8	19.2
4 21	16 13.73	−24 52.6	1.458	2.352	14.2	19.0
5 1	16 6.23	−24 53.4	1.393	2.350	10.0	18.7
5 11	15 56.26	−24 42.8	1.352	2.348	5.3	18.4
5 21	15 44.99	−24 21.3	1.335	2.346	1.9	18.2
5 31	15 33.87	−23 51.5	1.345	2.343	5.8	18.5
6 10	15 24.33	−23 18.9	1.380	2.340	10.6	18.7
6 20	15 17.37	−22 48.8	1.437	2.336	14.9	19.0

126685 2002 CT_{221} 5 19.7 100°.34 3°.8/17.7 17

4 11	16 12.91	−11 45.6	1.894	2.715	14.6	19.9
4 21	16 8.65	−11 5.1	1.823	2.725	11.4	19.7
5 1	16 2.16	−10 23.9	1.775	2.735	8.0	19.5
5 11	15 54.11	− 9 45.5	1.751	2.744	4.7	19.3
5 21	15 45.34	− 9 13.5	1.753	2.754	4.0	19.3
5 31	15 36.86	− 8 51.4	1.783	2.763	6.7	19.5
6 10	15 29.55	− 8 41.5	1.839	2.772	10.1	19.7
6 20	15 24.07	− 8 44.6	1.917	2.781	13.3	19.9

463599 2013 SC_{47} 5 19.7 342°.23 0°.3/19.6 17

4 11	16 8.01	−19 49.6	1.174	2.029	19.5	20.6
4 21	16 6.63	−19 52.6	1.094	2.016	15.5	20.3
5 1	16 1.85	−19 48.3	1.033	2.004	10.7	20.0
5 11	15 54.34	−19 37.6	0.991	1.994	5.1	19.6
5 21	15 45.28	−19 22.4	0.972	1.984	0.9	19.3
5 31	15 36.26	−19 6.5	0.976	1.976	6.8	19.6
6 10	15 28.90	−18 54.8	1.001	1.970	12.4	19.9
6 20	15 24.34	−18 51.3	1.046	1.965	17.4	20.2

24261 Judilegault 5 19.7 299°.62 5°.0/21.7 18

4 11	16 14.56	−30 51.9	1.513	2.318	18.4	18.1
4 21	16 11.46	−31 22.4	1.420	2.304	15.2	17.8
5 1	16 5.00	−31 38.9	1.345	2.291	11.4	17.5
5 11	15 55.81	−31 37.8	1.293	2.278	7.4	17.3
5 21	15 45.05	−31 17.2	1.264	2.265	5.0	17.1
5 31	15 34.27	−30 38.7	1.259	2.252	7.0	17.2
6 10	15 25.05	−29 48.3	1.279	2.240	11.1	17.4
6 20	15 18.54	−28 53.9	1.320	2.228	15.3	17.6

193615 2001 CY_{16} 5 19.7 82°.79 5°.0/17.4 18

4 11	16 12.70	− 7 42.7	1.900	2.720	14.6	19.9
4 21	16 8.54	− 7 10.3	1.825	2.723	11.6	19.7
5 1	16 2.13	− 6 40.8	1.772	2.727	8.4	19.5
5 11	15 54.13	− 6 18.0	1.744	2.731	5.7	19.3
5 21	15 45.35	− 6 5.2	1.741	2.734	5.2	19.3
5 31	15 36.78	− 6 5.0	1.766	2.738	7.5	19.5
6 10	15 29.33	− 6 18.6	1.815	2.741	10.7	19.7
6 20	15 23.69	− 6 45.7	1.887	2.745	13.8	19.9

170219 2003 QG_{8} 5 19.7 257°.06 3°.2/18.0 18

4 11	16 13.72	−15 41.2	1.638	2.465	16.2	20.2
4 21	16 10.00	−14 51.5	1.546	2.452	12.8	19.9
5 1	16 3.53	−13 55.0	1.474	2.439	8.8	19.7
5 11	15 54.95	−12 55.4	1.427	2.425	4.7	19.4
5 21	15 45.21	−11 57.5	1.405	2.411	3.5	19.3
5 31	15 35.54	−11 7.0	1.410	2.397	7.2	19.5
6 10	15 27.13	−10 28.9	1.439	2.382	11.7	19.7
6 20	15 20.89	−10 6.5	1.490	2.367	15.7	19.9

440918 2006 VH_{154} 5 19.7 261°.50 0°.1/19.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 10.75	−22 13.4	2.331	3.134	12.7	21.7
4 21	16 6.85	−21 42.6	2.230	3.123	10.0	21.5
5 1	16 0.94	−21 3.4	2.153	3.112	6.8	21.2
5 11	15 53.57	−20 17.2	2.101	3.100	3.3	21.0
5 21	15 45.43	−19 26.2	2.077	3.089	0.5	20.7
5 31	15 37.39	−18 34.0	2.081	3.077	4.3	21.0
6 10	15 30.28	−17 44.7	2.113	3.065	8.0	21.2
6 20	15 24.72	−17 1.8	2.170	3.053	11.2	21.4

161202 2002 TN_{257} 5 19.7 260°.27 0°.9/19.3 17

4 11	16 15.51	−18 44.0	1.874	2.686	15.0	21.2
4 21	16 11.25	−18 31.8	1.768	2.666	11.9	21.0
5 1	16 4.35	−18 14.0	1.684	2.645	8.2	20.7
5 11	15 55.36	−17 51.6	1.624	2.624	3.9	20.4
5 21	15 45.15	−17 26.2	1.591	2.602	1.2	20.2
5 31	15 34.84	−17 1.1	1.585	2.580	5.6	20.4
6 10	15 25.60	−16 39.9	1.606	2.557	10.1	20.6
6 20	15 18.37	−16 26.1	1.650	2.533	14.1	20.8

6900 1988 XD_1 5 19.7 167°.39 0°.2/19.8 18

4 11	16 19.32	−20 55.2	1.766	2.571	16.1	18.8
4 21	16 14.14	−20 55.8	1.683	2.576	12.7	18.5
5 1	16 6.17	−20 49.9	1.621	2.580	8.7	18.3
5 11	15 56.13	−20 37.5	1.584	2.583	4.2	18.0
5 21	15 45.05	−20 19.7	1.574	2.586	0.6	17.8
5 31	15 34.18	−19 59.3	1.592	2.588	5.3	18.1
6 10	15 24.71	−19 40.1	1.636	2.589	9.7	18.4
6 20	15 17.50	−19 25.7	1.703	2.590	13.6	18.6

31545 1999 DN_6 5 19.7 44°.58 7°.6/16.6 18

4 11	16 12.29	− 5 7.5	1.393	2.232	17.9	17.0
4 21	16 8.70	− 4 4.9	1.344	2.250	14.4	16.8
5 1	16 2.40	− 3 8.8	1.315	2.269	10.8	16.7
5 11	15 54.25	− 2 25.6	1.308	2.288	8.1	16.5
5 21	15 45.36	− 2 0.7	1.325	2.308	7.9	16.6
5 31	15 36.97	− 1 57.5	1.365	2.328	10.2	16.8
6 10	15 30.13	− 2 16.1	1.428	2.349	13.4	17.0
6 20	15 25.54	− 2 54.2	1.511	2.370	16.5	17.3

338866 2003 YR_{158} 5 19.7 219°.11 4°.2/17.1 18

4 11	16 12.39	− 7 58.3	2.429	3.236	12.2	21.2
4 21	16 7.89	− 7 23.9	2.337	3.228	9.7	21.0
5 1	16 1.53	− 6 51.0	2.269	3.220	7.0	20.8
5 11	15 53.82	− 6 22.7	2.226	3.211	4.8	20.7
5 21	15 45.41	− 6 2.0	2.211	3.202	4.5	20.6
5 31	15 37.08	− 5 51.2	2.225	3.192	6.5	20.8
6 10	15 29.59	− 5 52.1	2.265	3.182	9.3	20.9
6 20	15 23.52	− 6 5.1	2.328	3.172	12.0	21.1

291706 2006 JK_7 5 19.7 16°.99 0°.2/19.7 17

4 11	16 16.11	−18 13.1	1.716	2.533	16.0	20.1
4 21	16 11.76	−18 50.5	1.635	2.535	12.6	19.8
5 1	16 4.65	−19 26.4	1.576	2.538	8.6	19.6
5 11	15 55.46	−20 0.0	1.541	2.541	4.1	19.3
5 21	15 45.16	−20 30.7	1.532	2.544	0.6	19.1
5 31	15 34.97	−20 58.5	1.551	2.548	5.3	19.4
6 10	15 26.09	−21 24.8	1.595	2.552	9.6	19.7
6 20	15 19.40	−21 51.6	1.663	2.557	13.5	19.9

344829 2004 FR_7 5 19.7 76°.82 0°.2/19.6 17

4 11	16 12.86	−20 14.8	2.090	2.899	13.8	21.2
4 21	16 8.50	−20 6.5	2.017	2.913	10.8	21.0
5 1	16 2.02	−19 52.7	1.967	2.927	7.3	20.8
5 11	15 54.04	−19 34.2	1.942	2.942	3.4	20.6
5 21	15 45.40	−19 12.9	1.944	2.956	0.6	20.4
5 31	15 37.02	−18 51.3	1.974	2.970	4.5	20.7
6 10	15 29.77	−18 32.4	2.031	2.984	8.1	21.0
6 20	15 24.27	−18 18.7	2.112	2.998	11.3	21.2

254185 2004 RO_{21} 5 19.7 247°.74 2°.2/18.1 18

4 11	16 9.51	−14 14.1	2.689	3.496	11.1	21.4
4 21	16 5.53	−13 42.6	2.589	3.485	8.7	21.2
5 1	15 59.88	−13 8.8	2.514	3.473	6.0	21.0
5 11	15 53.03	−12 34.6	2.465	3.462	3.2	20.8
5 21	15 45.55	−12 2.4	2.445	3.450	2.4	20.7
5 31	15 38.12	−11 35.0	2.453	3.437	4.8	20.8
6 10	15 31.43	−11 14.5	2.489	3.425	7.7	21.0
6 20	15 26.01	−11 2.7	2.550	3.412	10.5	21.2

454078 2012 VV_{93} 5 19.7 93°.37 12°.0/29.8 18

4 11	16 45.21	−55 27.7	2.007	2.629	19.7	22.0
4 21	16 35.39	−56 33.0	1.958	2.673	17.7	21.9
5 1	16 20.83	−57 11.0	1.924	2.716	15.7	21.8
5 11	16 2.98	−57 13.0	1.910	2.757	13.8	21.8
5 21	15 44.08	−56 34.5	1.917	2.797	12.4	21.8
5 31	15 26.65	−55 18.1	1.948	2.835	12.0	21.8
6 10	15 12.58	−53 33.1	2.004	2.872	12.6	21.9
6 20	15 2.77	−51 32.1	2.082	2.907	13.9	22.1

123589 2000 XE_{44} 5 19.7 108°.47 1°.7/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 18.51	−23 17.5	2.042	2.835	14.6	19.8
4 21	16 13.15	−23 52.2	1.964	2.848	11.6	19.6
5 1	16 5.31	−24 21.2	1.909	2.861	8.1	19.5
5 11	15 55.68	−24 42.9	1.879	2.874	4.3	19.2
5 21	15 45.15	−24 56.9	1.876	2.886	1.8	19.1
5 31	15 34.82	−25 3.7	1.903	2.898	4.7	19.3
6 10	15 25.73	−25 6.0	1.956	2.910	8.4	19.6
6 20	15 18.64	−25 6.7	2.034	2.921	11.7	19.8

153803 2001 VO_{110} 5 19.7 167°.26 1°.7/20.5 18

4 11	16 15.57	−25 10.1	1.959	2.757	15.0	20.3
4 21	16 11.03	−25 14.7	1.873	2.759	11.9	20.1
5 1	16 3.98	−25 10.2	1.808	2.761	8.4	19.9
5 11	15 55.08	−24 56.1	1.768	2.763	4.4	19.6
5 21	15 45.24	−24 33.1	1.755	2.765	1.7	19.4
5 31	15 35.57	−24 3.6	1.769	2.766	4.8	19.7
6 10	15 27.15	−23 31.8	1.810	2.767	8.7	19.9
6 20	15 20.74	−23 1.9	1.875	2.767	12.3	20.1

157194 Saddlemyer 5 19.7 57°.98 2°.0/18.9 18

4 11	16 13.79	−15 43.5	1.719	2.542	15.7	20.3
4 21	16 9.76	−15 31.9	1.642	2.546	12.3	20.0
5 1	16 3.17	−15 17.4	1.585	2.549	8.4	19.8
5 11	15 54.70	−15 2.2	1.554	2.553	4.2	19.6
5 21	15 45.30	−14 48.4	1.548	2.557	2.2	19.4
5 31	15 36.12	−14 38.9	1.569	2.561	5.9	19.7
6 10	15 28.22	−14 36.4	1.615	2.565	10.1	19.9
6 20	15 22.40	−14 42.6	1.684	2.569	13.8	20.2

450776 2007 RR_{262} 5 19.7 165°.80 0°.9/18.8 18

4 11	16 6.06	−16 38.8	4.385	5.177	7.4	22.7
4 21	16 2.12	−16 19.4	4.294	5.182	5.7	22.6
5 1	15 57.22	−15 57.9	4.229	5.186	3.8	22.5
5 11	15 51.65	−15 35.5	4.192	5.190	1.9	22.3
5 21	15 45.78	−15 13.4	4.185	5.194	1.0	22.2
5 31	15 39.98	−14 52.8	4.209	5.198	2.8	22.4
6 10	15 34.65	−14 35.0	4.262	5.201	4.7	22.5
6 20	15 30.08	−14 21.1	4.341	5.203	6.5	22.7

40455 1999 RC_{40} 5 19.7 189°.43 4°.6/22.4 18

4 11	16 15.86	−35 10.2	2.877	3.619	12.0	20.0
4 21	16 10.74	−35 52.1	2.780	3.619	10.0	19.9
5 1	16 3.56	−36 24.2	2.705	3.617	7.8	19.7
5 11	15 54.84	−36 43.9	2.655	3.616	5.8	19.6
5 21	15 45.28	−36 50.0	2.633	3.614	4.6	19.5
5 31	15 35.75	−36 42.6	2.639	3.612	5.3	19.5
6 10	15 27.10	−36 24.2	2.673	3.610	7.2	19.7
6 20	15 20.01	−35 58.4	2.733	3.607	9.4	19.8

129112 2004 XZ_{59} 5 19.7 117°.43 0°.8/20.1 18

4 11	16 14.34	−22 38.8	2.016	2.820	14.4	20.2
4 21	16 9.91	−22 42.4	1.934	2.826	11.4	20.0
5 1	16 3.13	−22 39.1	1.874	2.831	7.8	19.8
5 11	15 54.64	−22 28.9	1.839	2.837	3.9	19.5
5 21	15 45.33	−22 12.7	1.831	2.842	0.9	19.3
5 31	15 36.20	−21 52.8	1.851	2.848	4.6	19.6
6 10	15 28.24	−21 32.5	1.897	2.853	8.4	19.8
6 20	15 22.18	−21 15.3	1.967	2.858	11.9	20.1

297718 2001 WN_{12} 5 19.7 203°.84 3°.3/17.8 18

4 11	16 12.71	− 8 48.5	2.652	3.454	11.4	21.1
4 21	16 7.97	− 8 35.3	2.561	3.450	9.0	20.9
5 1	16 1.51	− 8 24.1	2.493	3.446	6.4	20.8
5 11	15 53.80	− 8 17.0	2.453	3.441	4.1	20.6
5 21	15 45.47	− 8 15.8	2.440	3.437	3.5	20.6
5 31	15 37.22	− 8 22.1	2.457	3.432	5.5	20.7
6 10	15 29.74	− 8 36.8	2.501	3.426	8.2	20.8
6 20	15 23.58	− 9 0.2	2.570	3.420	10.8	21.0

188034 2001 UY_{135} 5 19.7 222°.80 2°.5/18.3 18

4 11	16 13.71	−15 13.1	2.069	2.881	13.8	21.1
4 21	16 9.34	−14 36.7	1.975	2.873	10.9	20.9
5 1	16 2.74	−13 56.1	1.904	2.865	7.4	20.6
5 11	15 54.48	−13 14.1	1.858	2.856	3.9	20.4
5 21	15 45.37	−12 33.8	1.840	2.846	2.8	20.3
5 31	15 36.34	−11 59.0	1.850	2.837	5.9	20.5
6 10	15 28.35	−11 33.0	1.887	2.826	9.6	20.7
6 20	15 22.09	−11 18.1	1.946	2.815	12.9	20.9

366289 2013 BN_{24} 5 19.7 140°.70 3°.7/22.3 18

4 11	16 13.22	−33 17.6	2.513	3.276	13.0	21.1
4 21	16 8.75	−33 24.2	2.423	3.281	10.7	21.0
5 1	16 2.21	−33 18.7	2.355	3.285	8.0	20.8
5 11	15 54.17	−32 59.7	2.312	3.288	5.4	20.6
5 21	15 45.42	−32 27.6	2.296	3.292	3.8	20.5
5 31	15 36.86	−31 44.2	2.308	3.296	4.8	20.6
6 10	15 29.35	−30 53.6	2.348	3.299	7.3	20.8
6 20	15 23.51	−30 0.4	2.413	3.302	10.0	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
411668 2011 WQ_{71}			5 19.7	99°.59	0°.1/19.6	18
	h m	° ′			°	m
4 11	16 19.47	−19 38.9	1.579	2.394	17.3	21.7
4 21	16 14.34	−19 45.0	1.513	2.412	13.5	21.5
5 1	16 6.30	−19 45.5	1.468	2.429	9.2	21.3
5 11	15 56.18	−19 40.9	1.447	2.446	4.3	21.0
5 21	15 45.13	−19 32.1	1.451	2.463	0.7	20.8
5 31	15 34.49	−19 21.9	1.483	2.480	5.6	21.2
6 10	15 25.47	−19 13.6	1.540	2.496	10.1	21.5
6 20	15 18.89	−19 10.3	1.620	2.511	13.9	21.7
249458 2009 HC_{65}			5 19.7	304°.31	6°.5/15.6	18
4 11	16 8.90	− 4 18.4	2.068	2.887	13.6	20.4
4 21	16 5.63	− 3 19.4	1.970	2.864	11.1	20.1
5 1	16 0.28	− 2 23.0	1.895	2.841	8.6	19.9
5 11	15 53.35	− 1 34.1	1.844	2.818	6.8	19.8
5 21	15 45.54	− 0 57.7	1.820	2.795	6.9	19.7
5 31	15 37.72	− 0 37.9	1.821	2.772	8.9	19.8
6 10	15 30.76	− 0 36.8	1.846	2.750	11.8	19.9
6 20	15 25.37	− 0 54.5	1.892	2.727	14.6	20.1
53301 1999 GL_{34}			5 19.7	348°.52	3°.1/20.9	18
4 11	16 7.94	−26 48.5	1.267	2.105	19.3	18.0
4 21	16 6.49	−27 2.4	1.187	2.095	15.6	17.7
5 1	16 1.70	−27 2.4	1.125	2.087	11.2	17.4
5 11	15 54.28	−26 47.1	1.084	2.080	6.4	17.2
5 21	15 45.40	−26 16.8	1.065	2.074	3.1	16.9
5 31	15 36.64	−25 35.4	1.069	2.069	6.4	17.1
6 10	15 29.56	−24 49.4	1.096	2.066	11.4	17.4
6 20	15 25.24	−24 6.1	1.143	2.064	16.1	17.6
314154 2005 EL_{279}			5 19.7	153°.16	10°.0/12.6	18
4 11	16 15.62	+ 5 58.0	2.124	2.907	14.4	21.7
4 21	16 10.42	+ 7 44.5	2.066	2.918	12.5	21.5
5 1	16 3.21	+ 9 20.6	2.032	2.929	10.8	21.5
5 11	15 54.60	+10 39.0	2.022	2.938	10.0	21.4
5 21	15 45.38	+11 34.1	2.038	2.947	10.4	21.5
5 31	15 36.45	+12 2.6	2.078	2.954	11.8	21.6
6 10	15 28.62	+12 4.3	2.141	2.961	13.6	21.7
6 20	15 22.48	+11 41.7	2.223	2.967	15.5	21.8
180499 2004 CM_{90}			5 19.7	97°.37	0°.1/19.7	17
4 11	16 14.28	−22 48.3	1.638	2.455	16.6	20.4
4 21	16 10.32	−22 18.6	1.561	2.461	13.1	20.2
5 1	16 3.61	−21 38.2	1.505	2.467	8.9	20.0
5 11	15 54.93	−20 48.5	1.473	2.473	4.3	19.7
5 21	15 45.33	−19 52.7	1.467	2.479	0.6	19.4
5 31	15 36.04	−18 56.0	1.488	2.485	5.5	19.8
6 10	15 28.22	−18 4.0	1.534	2.491	10.0	20.1
6 20	15 22.64	−17 21.4	1.603	2.497	13.9	20.3
4082 Swann			5 19.7	218°.90	4°.1/22.0	18 R
4 11	16 18.90	−32 53.7	2.187	2.951	14.7	18.4
4 21	16 13.70	−33 2.1	2.082	2.940	12.1	18.2
5 1	16 5.88	−32 57.0	1.999	2.929	9.1	17.9
5 11	15 56.05	−32 36.1	1.939	2.918	6.1	17.7
5 21	15 45.14	−31 58.6	1.907	2.905	4.1	17.6
5 31	15 34.31	−31 6.7	1.903	2.892	5.5	17.6
6 10	15 24.68	−30 5.2	1.926	2.877	8.7	17.8
6 20	15 17.12	−29 0.4	1.975	2.862	12.0	18.0
67218 2000 DF_{62}			5 19.7	272°.72	7°.3/13.6	18
4 11	16 7.54	+ 2 19.4	2.639	3.437	11.6	19.1
4 21	16 3.95	+ 3 31.4	2.560	3.429	9.8	19.0
5 1	15 58.79	+ 4 37.2	2.504	3.421	8.2	18.8
5 11	15 52.52	+ 5 32.1	2.474	3.413	7.3	18.8
5 21	15 45.70	+ 6 11.9	2.469	3.406	7.6	18.8
5 31	15 38.98	+ 6 33.9	2.490	3.398	8.9	18.8
6 10	15 32.97	+ 6 37.1	2.536	3.390	10.7	18.9
6 20	15 28.19	+ 6 22.2	2.602	3.382	12.6	19.1
8745 Delaney			5 19.7	100°.93	2°.0/20.7	18
4 11	16 14.29	−26 14.2	1.861	2.663	15.5	17.6
4 21	16 10.16	−26 13.9	1.779	2.668	12.4	17.4
5 1	16 3.45	−26 2.9	1.718	2.672	8.7	17.2
5 11	15 54.86	−25 40.9	1.681	2.676	4.7	17.0
5 21	15 45.35	−25 8.8	1.671	2.680	2.0	16.8
5 31	15 36.07	−24 29.8	1.687	2.684	4.9	17.0
6 10	15 28.11	−23 48.6	1.730	2.688	8.9	17.2
6 20	15 22.22	−23 9.9	1.796	2.692	12.5	17.5
430579 2002 QP_{107}			5 19.7	270°.89	2°.5/18.5	17
4 11	16 14.15	−15 51.8	1.708	2.531	15.8	21.9
4 21	16 10.38	−15 23.0	1.608	2.512	12.5	21.7
5 1	16 3.88	−14 49.1	1.528	2.492	8.6	21.4
5 11	15 55.21	−14 12.6	1.472	2.471	4.5	21.1
5 21	15 45.29	−13 36.9	1.443	2.451	2.8	20.9
5 31	15 35.30	−13 6.2	1.440	2.430	6.7	21.1
6 10	15 26.47	−12 44.7	1.462	2.409	11.2	21.3
6 20	15 19.74	−12 35.3	1.505	2.387	15.3	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
471121 2010 CQ_{160}			5 19.7	213°.66	2°.8/21.2	17
	h m	° ′			°	m
4 11	16 14.33	−28 28.9	2.022	2.812	14.8	21.5
4 21	16 10.12	−28 37.6	1.931	2.811	12.0	21.3
5 1	16 3.42	−28 35.4	1.862	2.809	8.6	21.1
5 11	15 54.87	−28 20.9	1.817	2.807	5.1	20.9
5 21	15 45.36	−27 54.5	1.799	2.805	2.8	20.7
5 31	15 35.99	−27 18.5	1.808	2.803	5.0	20.8
6 10	15 27.83	−26 37.2	1.844	2.801	8.5	21.1
6 20	15 21.65	−25 55.6	1.903	2.798	12.0	21.3
388805 2008 BR_{21}			5 19.7	343°.76	8°.2/14.7	18
4 11	16 7.37	− 0 57.7	1.866	2.691	14.6	20.1
4 21	16 4.50	+ 0 15.7	1.792	2.683	12.1	19.9
5 1	15 59.51	+ 1 23.1	1.738	2.676	9.8	19.8
5 11	15 52.97	+ 2 18.0	1.709	2.670	8.3	19.7
5 21	15 45.66	+ 2 55.1	1.704	2.664	8.6	19.7
5 31	15 38.49	+ 3 10.2	1.723	2.659	10.4	19.8
6 10	15 32.34	+ 3 2.4	1.764	2.654	12.9	19.9
6 20	15 27.87	+ 2 32.8	1.826	2.651	15.5	20.1
288786 2004 RX_{123}			5 19.7	142°.92	14°.1/29.4	18
4 11	16 34.96	−56 43.2	1.903	2.538	20.3	20.7
4 21	16 28.79	−58 10.7	1.831	2.548	18.7	20.6
5 1	16 17.46	−59 13.0	1.773	2.558	17.1	20.5
5 11	16 1.95	−59 40.3	1.732	2.567	15.5	20.4
5 21	15 44.29	−59 25.3	1.711	2.575	14.4	20.3
5 31	15 27.25	−58 26.7	1.710	2.583	14.1	20.3
6 10	15 13.29	−56 51.7	1.731	2.590	14.7	20.4
6 20	15 3.82	−54 52.2	1.772	2.596	15.9	20.5
184217 2004 RM_{23}			5 19.7	329°.51	5°.8/22.5	18
4 11	16 13.53	−34 51.7	2.088	2.858	15.1	19.6
4 21	16 9.80	−35 40.0	1.992	2.849	12.7	19.4
5 1	16 3.43	−36 16.1	1.917	2.840	10.0	19.2
5 11	15 54.97	−36 36.6	1.865	2.832	7.3	19.0
5 21	15 45.35	−36 39.4	1.839	2.824	5.9	18.9
5 31	15 35.72	−36 24.5	1.838	2.816	6.7	19.0
6 10	15 27.25	−35 55.6	1.863	2.809	9.2	19.1
6 20	15 20.87	−35 17.9	1.911	2.802	12.1	19.3
12488 1997 GD_{15}			5 19.7	259°.74	0°.4/19.9	18
4 11	16 12.84	−22 27.1	2.004	2.811	14.4	19.0
4 21	16 8.90	−22 16.5	1.909	2.803	11.4	18.7
5 1	16 2.58	−21 57.9	1.836	2.795	7.8	18.5
5 11	15 54.48	−21 32.0	1.788	2.787	3.8	18.2
5 21	15 45.45	−21 0.2	1.767	2.778	0.6	18.0
5 31	15 36.50	−20 25.6	1.773	2.770	4.8	18.3
6 10	15 28.64	−19 52.1	1.806	2.761	8.8	18.5
6 20	15 22.65	−19 23.6	1.862	2.753	12.4	18.7
205585 2001 TY_{144}			5 19.7	262°.13	1°.5/19.2	16
4 11	16 16.64	−17 24.1	1.538	2.362	17.2	21.4
4 21	16 12.73	−17 15.3	1.441	2.346	13.7	21.1
5 1	16 5.71	−17 1.9	1.365	2.329	9.4	20.8
5 11	15 56.18	−16 45.0	1.311	2.311	4.6	20.5
5 21	15 45.18	−16 26.7	1.283	2.294	1.8	20.3
5 31	15 34.07	−16 10.4	1.281	2.276	6.6	20.5
6 10	15 24.29	−16 0.0	1.303	2.257	11.6	20.8
6 20	15 16.93	−15 58.8	1.347	2.238	16.2	21.0
389638 2011 KX_{43}			5 19.7	274°.23	1°.5/19.2	17
4 11	16 16.02	−14 50.3	1.994	2.804	14.3	20.7
4 21	16 11.47	−15 4.5	1.891	2.787	11.4	20.5
5 1	16 4.43	−15 18.8	1.810	2.771	7.8	20.3
5 11	15 55.44	−15 34.0	1.755	2.754	3.9	20.0
5 21	15 45.31	−15 50.7	1.726	2.737	1.7	19.8
5 31	15 35.07	−16 10.0	1.726	2.719	5.4	20.0
6 10	15 25.82	−16 33.2	1.753	2.702	9.5	20.2
6 20	15 18.41	−17 1.4	1.804	2.685	13.2	20.4
509287 2006 VE_{48}			5 19.7	108°.12	1°.2/18.8	17
4 11	16 10.68	−18 47.2	2.447	3.253	12.1	21.5
4 21	16 6.50	−18 7.5	2.368	3.263	9.4	21.4
5 1	16 0.54	−17 22.4	2.313	3.273	6.3	21.2
5 11	15 53.36	−16 34.0	2.284	3.283	3.0	21.0
5 21	15 45.65	−15 45.2	2.284	3.293	1.4	20.9
5 31	15 38.16	−14 59.1	2.312	3.303	4.4	21.1
6 10	15 31.60	−14 19.0	2.368	3.313	7.6	21.3
6 20	15 26.50	−13 47.4	2.449	3.322	10.5	21.5
461518 2003 SC_{157}			5 19.7	276°.82	4°.4/21.2	17
4 11	16 17.53	−28 45.9	1.593	2.395	17.7	21.0
4 21	16 13.78	−29 26.6	1.492	2.376	14.6	20.8
5 1	16 6.67	−29 57.2	1.410	2.357	10.8	20.5
5 11	15 56.75	−30 14.1	1.350	2.338	6.8	20.2
5 21	15 45.09	−30 14.6	1.315	2.318	4.4	20.0
5 31	15 33.21	−29 58.8	1.306	2.299	6.8	20.1
6 10	15 22.72	−29 31.0	1.321	2.279	11.1	20.3
6 20	15 14.86	−28 57.9	1.358	2.259	15.4	20.5

228574 2001 YU_{57} 5 19.7 280°.01 0°.8/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 15.85	−18 11.2	1.869	2.681	15.1	20.7
4 21	16 11.71	−18 12.5	1.755	2.653	12.0	20.5
5 1	16 4.84	−18 9.9	1.663	2.624	8.3	20.2
5 11	15 55.75	−18 4.0	1.595	2.595	4.0	19.9
5 21	15 45.26	−17 55.8	1.553	2.565	1.1	19.6
5 31	15 34.52	−17 47.5	1.539	2.535	5.6	19.8
6 10	15 24.76	−17 42.0	1.552	2.504	10.2	20.0
6 20	15 16.98	−17 42.3	1.587	2.473	14.4	20.2

38489 1999 TB_{116} 5 19.7 271°.31 2°.2/18.2 18

4 11	16 9.34	−15 47.4	2.392	3.204	12.2	19.2
4 21	16 5.64	−15 5.3	2.297	3.196	9.5	19.0
5 1	16 0.09	−14 18.8	2.225	3.187	6.5	18.7
5 11	15 53.22	−13 30.6	2.180	3.178	3.4	18.5
5 21	15 45.67	−12 43.8	2.163	3.169	2.4	18.4
5 31	15 38.22	−12 1.7	2.174	3.160	5.2	18.6
6 10	15 31.61	−11 27.6	2.212	3.151	8.4	18.8
6 20	15 26.43	−11 3.6	2.273	3.142	11.3	19.0

93778 2000 WN_{30} 5 19.7 265°.64 2°.6/18.3 18

4 11	16 13.24	−14 53.1	2.029	2.843	14.0	20.4
4 21	16 9.19	−14 20.4	1.923	2.823	11.0	20.2
5 1	16 2.82	−13 43.7	1.840	2.802	7.6	19.9
5 11	15 54.65	−13 5.5	1.782	2.780	4.1	19.6
5 21	15 45.45	−12 28.9	1.752	2.758	2.9	19.5
5 31	15 36.21	−11 57.6	1.749	2.735	6.1	19.7
6 10	15 27.92	−11 35.1	1.772	2.713	10.0	19.9
6 20	15 21.39	−11 23.9	1.818	2.689	13.6	20.0

494449 2016 UP_{142} 5 19.7 223°.85 2°.8/21.7 18

4 11	16 11.84	−30 50.6	2.672	3.443	12.1	22.0
4 21	16 7.58	−30 50.0	2.573	3.439	9.9	21.9
5 1	16 1.41	−30 39.0	2.497	3.434	7.2	21.7
5 11	15 53.85	−30 16.7	2.446	3.429	4.5	21.5
5 21	15 45.59	−29 43.7	2.422	3.424	2.8	21.4
5 31	15 37.45	−29 1.8	2.427	3.419	4.2	21.5
6 10	15 30.21	−28 14.7	2.460	3.414	6.9	21.6
6 20	15 24.47	−27 26.3	2.519	3.408	9.6	21.8

504397 2007 VA_{310} 5 19.7 153°.40 1°.6/18.7 17

4 11	16 12.20	−15 23.0	2.525	3.329	11.8	22.0
4 21	16 7.67	−15 8.5	2.440	3.334	9.2	21.9
5 1	16 1.36	−14 51.9	2.379	3.339	6.3	21.7
5 11	15 53.79	−14 34.8	2.345	3.343	3.2	21.5
5 21	15 45.61	−14 18.9	2.339	3.347	1.8	21.4
5 31	15 37.57	−14 6.3	2.362	3.351	4.5	21.6
6 10	15 30.40	−13 58.9	2.413	3.355	7.6	21.8
6 20	15 24.65	−13 58.0	2.488	3.358	10.4	22.0

523063 2016 QO_{91} 5 19.7 218°.21 1°.0/20.4 18

4 11	16 12.76	−24 6.4	3.055	3.836	10.5	23.1
4 21	16 7.99	−24 7.3	2.948	3.826	8.4	22.9
5 1	16 1.55	−24 2.5	2.865	3.815	5.8	22.8
5 11	15 53.89	−23 51.7	2.809	3.804	3.0	22.6
5 21	15 45.59	−23 35.5	2.782	3.792	1.0	22.4
5 31	15 37.32	−23 15.5	2.785	3.780	3.4	22.5
6 10	15 29.74	−22 53.8	2.817	3.768	6.3	22.7
6 20	15 23.41	−22 33.0	2.875	3.754	8.9	22.9

146090 2000 KS_{19} 5 19.7 317°.83 0°.5/19.9 17

4 11	16 12.02	−22 44.9	1.550	2.375	17.0	20.1
4 21	16 8.99	−22 34.5	1.462	2.366	13.6	19.9
5 1	16 3.04	−22 14.0	1.394	2.357	9.4	19.6
5 11	15 54.85	−21 44.1	1.349	2.349	4.6	19.3
5 21	15 45.44	−21 6.6	1.329	2.341	0.8	19.0
5 31	15 36.14	−20 25.7	1.334	2.333	5.7	19.3
6 10	15 28.23	−19 46.6	1.364	2.325	10.5	19.6
6 20	15 22.64	−19 14.5	1.415	2.318	14.8	19.8

354100 2001 XH_{264} 5 19.7 219°.59 1°.7/18.6 18

4 11	16 11.92	−14 48.8	2.897	3.695	10.6	22.5
4 21	16 7.31	−14 32.2	2.795	3.685	8.3	22.3
5 1	16 1.08	−14 13.7	2.717	3.675	5.7	22.2
5 11	15 53.68	−13 54.8	2.667	3.664	2.9	22.0
5 21	15 45.65	−13 37.1	2.645	3.653	1.9	21.9
5 31	15 37.66	−13 22.5	2.654	3.641	4.3	22.0
6 10	15 30.36	−13 12.9	2.690	3.628	7.1	22.2
6 20	15 24.29	−13 9.6	2.752	3.615	9.8	22.3

100230 1994 PN_{18} 5 19.7 238°.67 0°.4/20.0 18

4 11	16 11.66	−22 30.0	2.741	3.532	11.3	21.0
4 21	16 7.32	−22 20.8	2.634	3.520	9.0	20.8
5 1	16 1.20	−22 5.6	2.552	3.507	6.2	20.6
5 11	15 53.77	−21 44.8	2.496	3.494	3.0	20.4
5 21	15 45.63	−21 19.4	2.468	3.480	0.5	20.2
5 31	15 37.53	−20 51.5	2.470	3.466	3.7	20.4
6 10	15 30.20	−20 23.7	2.500	3.452	6.9	20.6
6 20	15 24.20	−19 58.9	2.556	3.437	9.8	20.8

479919 2014 HH_{68} 5 19.7 210°.00 0°.7/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 11.70	−18 10.3	2.426	3.231	12.2	21.4
4 21	16 7.47	−18 7.4	2.336	3.230	9.6	21.2
5 1	16 1.35	−18 1.2	2.269	3.229	6.5	21.0
5 11	15 53.85	−17 52.4	2.228	3.228	3.1	20.8
5 21	15 45.65	−17 42.4	2.215	3.227	0.9	20.6
5 31	15 37.55	−17 33.0	2.231	3.225	4.2	20.9
6 10	15 30.32	−17 26.4	2.274	3.224	7.6	21.1
6 20	15 24.57	−17 24.3	2.342	3.223	10.6	21.3

116713 2004 DZ_4 5 19.7 193°.67 4°.0/17.7 18

4 11	16 12.52	− 8 19.5	2.317	3.126	12.6	19.9
4 21	16 8.08	− 7 57.8	2.232	3.125	10.0	19.8
5 1	16 1.74	− 7 38.3	2.171	3.124	7.2	19.6
5 11	15 54.03	− 7 23.8	2.135	3.122	4.7	19.4
5 21	15 45.63	− 7 16.7	2.126	3.121	4.2	19.4
5 31	15 37.35	− 7 19.1	2.146	3.119	6.3	19.5
6 10	15 29.96	− 7 32.0	2.192	3.118	9.2	19.7
6 20	15 24.08	− 7 55.6	2.262	3.116	11.9	19.9

435872 2008 YB_{78} 5 19.7 25°.26 7°.7/16.1 17

4 11	16 11.07	− 0 58.0	1.846	2.664	15.0	21.0
4 21	16 7.33	− 0 7.5	1.779	2.667	12.4	20.8
5 1	16 1.38	+ 0 35.0	1.733	2.671	9.8	20.7
5 11	15 53.88	+ 1 4.3	1.710	2.676	8.0	20.6
5 21	15 45.65	+ 1 16.1	1.713	2.680	8.0	20.6
5 31	15 37.65	+ 1 7.9	1.740	2.685	9.7	20.7
6 10	15 30.77	+ 0 39.6	1.791	2.691	12.3	20.9
6 20	15 25.67	− 0 6.8	1.863	2.696	14.9	21.0

95891 2003 HH_{10} 5 19.7 307°.75 2°.0/18.5 18

4 11	16 9.91	−19 48.7	1.610	2.441	16.2	19.9
4 21	16 7.18	−18 48.5	1.514	2.423	12.8	19.7
5 1	16 1.75	−17 36.0	1.439	2.406	8.8	19.4
5 11	15 54.23	−16 14.7	1.387	2.388	4.3	19.1
5 21	15 45.58	−14 49.7	1.362	2.371	2.4	18.9
5 31	15 37.00	−13 28.2	1.362	2.355	6.7	19.1
6 10	15 29.67	−12 17.4	1.387	2.338	11.3	19.4
6 20	15 24.47	−11 22.5	1.434	2.322	15.5	19.6

386519 2009 BQ_{135} 5 19.7 123°.35 0°.3/19.5 17

4 11	16 13.22	−20 26.0	2.398	3.197	12.5	22.6
4 21	16 8.55	−20 7.8	2.319	3.210	9.8	22.4
5 1	16 1.98	−19 43.9	2.264	3.222	6.6	22.2
5 11	15 54.10	−19 15.5	2.235	3.234	3.1	22.0
5 21	15 45.63	−18 44.6	2.234	3.246	0.6	21.8
5 31	15 37.38	−18 13.7	2.263	3.257	4.1	22.1
6 10	15 30.13	−17 45.8	2.319	3.268	7.5	22.3
6 20	15 24.43	−17 23.4	2.400	3.279	10.4	22.5

355592 2008 CH_{147} 5 19.7 257°.51 4°.1/22.2 18

4 11	16 13.52	−33 15.6	2.455	3.220	13.2	21.1
4 21	16 9.26	−33 30.8	2.351	3.209	11.0	20.9
5 1	16 2.77	−33 34.1	2.269	3.197	8.3	20.7
5 11	15 54.60	−33 23.9	2.211	3.186	5.7	20.5
5 21	15 45.54	−32 59.6	2.180	3.174	4.1	20.4
5 31	15 36.52	−32 22.6	2.176	3.163	5.1	20.4
6 10	15 28.49	−31 36.6	2.200	3.151	7.8	20.6
6 20	15 22.18	−30 46.3	2.249	3.139	10.6	20.7

159414 1999 RN_{178} 5 19.7 262°.46 2°.6/18.2 18 R

4 11	16 14.31	−14 5.4	2.406	3.209	12.4	20.9
4 21	16 9.71	−13 33.5	2.288	3.181	9.8	20.6
5 1	16 3.03	−12 58.3	2.193	3.151	6.8	20.4
5 11	15 54.75	−12 22.1	2.125	3.121	3.7	20.2
5 21	15 45.52	−11 47.5	2.086	3.090	2.8	20.0
5 31	15 36.18	−11 17.6	2.075	3.059	5.6	20.2
6 10	15 27.60	−10 55.4	2.092	3.026	9.1	20.3
6 20	15 20.49	−10 43.2	2.133	2.993	12.3	20.5

301038 2008 SM_{297} 5 19.7 141°.81 3°.5/18.1 18

4 11	16 16.87	−14 27.6	1.557	2.381	17.0	21.2
4 21	16 12.36	−13 43.1	1.484	2.389	13.4	21.0
5 1	16 5.04	−12 54.5	1.433	2.396	9.2	20.8
5 11	15 55.70	−12 5.9	1.406	2.403	5.0	20.6
5 21	15 45.40	−11 21.8	1.404	2.409	3.7	20.5
5 31	15 35.43	−10 46.9	1.429	2.415	7.3	20.7
6 10	15 26.96	−10 25.1	1.478	2.420	11.5	21.0
6 20	15 20.79	−10 18.1	1.550	2.425	15.3	21.2

53362 1999 JY_{76} 5 19.7 290°.22 2°.1/18.9 18

4 11	16 13.84	−13 18.2	2.140	2.951	13.5	18.1
4 21	16 9.56	−13 24.9	2.037	2.933	10.7	17.9
5 1	16 3.04	−13 32.3	1.956	2.916	7.3	17.6
5 11	15 54.78	−13 41.6	1.900	2.898	3.8	17.4
5 21	15 45.52	−13 54.0	1.872	2.880	2.3	17.2
5 31	15 36.18	−14 10.8	1.872	2.862	5.4	17.4
6 10	15 27.72	−14 33.2	1.898	2.844	9.1	17.6
6 20	15 20.93	−15 2.0	1.949	2.826	12.6	17.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
168703 2000 GP_{183}			5 19.7 355°.07		0°.1/20.4 17	
	h m	° ′			°	m
4 11	15 50.10	−23 7.0	36.026	36.809	1.0	21.8
4 21	15 49.34	−23 5.4	35.928	36.808	0.8	21.7
5 1	15 48.48	−23 3.4	35.856	36.808	0.5	21.7
5 11	15 47.56	−23 1.0	35.812	36.808	0.3	21.7
5 21	15 46.61	−22 58.3	35.797	36.808	0.1	21.6
5 31	15 45.66	−22 55.5	35.811	36.807	0.3	21.7
6 10	15 44.75	−22 52.6	35.854	36.807	0.6	21.7
6 20	15 43.91	−22 49.8	35.924	36.807	0.8	21.7
332879 2011 AU_{27}			5 19.7 91°.40		2°.3/18.7 17	
4 11	16 14.30	−15 44.7	1.719	2.542	15.7	21.1
4 21	16 10.13	−15 21.0	1.646	2.550	12.3	20.9
5 1	16 3.43	−14 53.9	1.594	2.558	8.4	20.6
5 11	15 54.90	−14 25.7	1.566	2.565	4.2	20.4
5 21	15 45.52	−13 59.6	1.565	2.573	2.5	20.3
5 31	15 36.41	−13 38.8	1.590	2.581	6.1	20.5
6 10	15 28.63	−13 26.5	1.641	2.589	10.1	20.8
6 20	15 22.91	−13 24.5	1.714	2.597	13.7	21.0
153661 2001 TH_{147}			5 19.7 149°.48		0°.5/19.4 17	
4 11	16 16.56	−18 59.1	2.242	3.040	13.3	21.2
4 21	16 11.32	−18 52.7	2.160	3.050	10.4	21.1
5 1	16 3.97	−18 41.8	2.101	3.059	7.1	20.9
5 11	15 55.09	−18 27.3	2.069	3.068	3.3	20.6
5 21	15 45.51	−18 10.5	2.064	3.076	0.8	20.4
5 31	15 36.12	−17 53.8	2.089	3.083	4.5	20.7
6 10	15 27.82	−17 39.8	2.141	3.090	8.1	21.0
6 20	15 21.22	−17 30.7	2.218	3.096	11.2	21.2
381152 2007 GC_{21}			5 19.7 290°.64		0°.1/19.8 18	
4 11	16 13.62	−20 29.5	1.787	2.603	15.5	21.1
4 21	16 9.87	−20 32.6	1.694	2.593	12.3	20.8
5 1	16 3.48	−20 29.9	1.622	2.583	8.4	20.6
5 11	15 55.06	−20 21.7	1.574	2.573	4.1	20.3
5 21	15 45.51	−20 9.0	1.552	2.564	0.6	20.0
5 31	15 35.99	−19 54.3	1.557	2.554	5.2	20.3
6 10	15 27.65	−19 40.9	1.587	2.544	9.6	20.6
6 20	15 21.38	−19 32.1	1.640	2.535	13.6	20.8
200163 1999 CA_{7}			5 19.7 77°.55		17°.4/14.7 18	
4 11	16 19.41	+19 49.6	1.438	2.196	21.3	19.6
4 21	16 14.16	+21 24.9	1.411	2.217	19.5	19.6
5 1	16 6.04	+22 30.2	1.400	2.238	18.2	19.5
5 11	15 56.05	+22 56.2	1.406	2.259	17.5	19.5
5 21	15 45.42	+22 38.4	1.431	2.279	17.6	19.6
5 31	15 35.49	+21 37.2	1.474	2.300	18.4	19.7
6 10	15 27.37	+19 58.5	1.535	2.320	19.6	19.8
6 20	15 21.70	+17 51.1	1.611	2.340	21.0	20.0
498047 2007 PR_{30}			5 19.7 279°.90		0°.3/19.9 17	
4 11	16 15.46	−23 4.1	1.552	2.371	17.3	21.9
4 21	16 12.06	−22 43.3	1.443	2.343	14.0	21.6
5 1	16 5.47	−22 10.2	1.353	2.314	9.7	21.3
5 11	15 56.23	−21 24.8	1.286	2.285	4.8	21.0
5 21	15 45.33	−20 29.1	1.244	2.256	0.7	20.6
5 31	15 34.20	−19 27.6	1.228	2.226	6.2	20.9
6 10	15 24.35	−18 27.3	1.237	2.195	11.6	21.1
6 20	15 16.95	−17 35.2	1.267	2.164	16.6	21.3
316593 2011 UY_{186}			5 19.7 287°.36		4°.4/18.0 16	
4 11	16 13.81	−12 48.7	1.352	2.192	18.2	21.2
4 21	16 10.81	−12 11.8	1.262	2.174	14.6	20.9
5 1	16 4.59	−11 31.6	1.191	2.157	10.3	20.6
5 11	15 55.77	−10 52.6	1.142	2.139	5.9	20.3
5 21	15 45.43	−10 19.6	1.116	2.121	4.7	20.2
5 31	15 35.00	− 9 58.3	1.115	2.103	8.7	20.3
6 10	15 25.99	− 9 52.6	1.137	2.085	13.6	20.6
6 20	15 19.53	−10 4.5	1.179	2.067	18.2	20.8
61548 2000 QW_{67}			5 19.7 21°.09		5°.1/16.9 18	
4 11	16 10.42	− 6 30.7	2.143	2.960	13.2	19.1
4 21	16 6.58	− 5 50.0	2.066	2.961	10.6	18.9
5 1	16 0.80	− 5 12.3	2.011	2.962	7.8	18.7
5 11	15 53.62	− 4 41.3	1.981	2.963	5.6	18.6
5 21	15 45.78	− 4 20.5	1.978	2.964	5.4	18.6
5 31	15 38.09	− 4 12.6	2.001	2.966	7.4	18.7
6 10	15 31.36	− 4 19.0	2.050	2.967	10.1	18.9
6 20	15 26.18	− 4 39.3	2.122	2.969	12.8	19.1
263975 2009 KY_{2}			5 19.7 30°.81		11°.4/20.0 18	
4 11	16 29.34	+ 6 8.6	1.064	1.876	24.0	19.7
4 21	16 23.52	+ 5 46.8	0.998	1.878	20.4	19.5
5 1	16 13.45	+ 4 56.4	0.948	1.880	16.4	19.2
5 11	16 0.02	+ 3 29.8	0.917	1.883	12.8	19.0
5 21	15 44.83	+ 1 25.2	0.908	1.886	11.4	19.0
5 31	15 29.96	− 1 12.2	0.924	1.890	13.4	19.1
6 10	15 17.37	− 4 11.0	0.964	1.894	17.3	19.3
6 20	15 8.34	− 7 18.7	1.024	1.898	21.5	19.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
436882 2012 TP_{28}			5 19.7 259°.61		2°.4/20.8 17	
	h m	° ′			°	m
4 11	16 14.80	−26 5.4	2.023	2.819	14.7	21.9
4 21	16 10.58	−26 26.4	1.929	2.813	11.8	21.7
5 1	16 3.85	−26 39.2	1.857	2.808	8.4	21.5
5 11	15 55.21	−26 42.4	1.809	2.802	4.8	21.2
5 21	15 45.53	−26 35.7	1.788	2.796	2.4	21.1
5 31	15 35.90	−26 20.6	1.795	2.790	4.9	21.2
6 10	15 27.40	−26 0.4	1.827	2.784	8.6	21.4
6 20	15 20.85	−25 39.3	1.884	2.778	12.1	21.6
338675 2003 SX_{429}			5 19.7 225°.92		0°.8/19.3 17	
4 11	16 13.06	−18 57.7	2.154	2.961	13.5	21.6
4 21	16 8.85	−18 43.0	2.061	2.956	10.6	21.4
5 1	16 2.46	−18 23.1	1.990	2.951	7.2	21.2
5 11	15 54.47	−17 59.4	1.945	2.945	3.4	20.9
5 21	15 45.65	−17 33.5	1.928	2.939	1.0	20.7
5 31	15 36.92	−17 8.4	1.939	2.933	4.8	21.0
6 10	15 29.20	−16 47.1	1.976	2.927	8.5	21.2
6 20	15 23.16	−16 32.2	2.038	2.920	11.9	21.4
68221 2001 CP_{47}			5 19.7 180°.36		3°.0/21.0 18	
4 11	16 18.92	−27 21.9	1.817	2.609	16.2	20.0
4 21	16 14.08	−27 44.4	1.730	2.610	13.1	19.7
5 1	16 6.35	−27 56.8	1.663	2.611	9.4	19.5
5 11	15 56.44	−27 57.0	1.620	2.611	5.5	19.3
5 21	15 45.37	−27 44.5	1.604	2.611	3.0	19.1
5 31	15 34.43	−27 20.9	1.615	2.610	5.5	19.3
6 10	15 24.88	−26 50.8	1.652	2.609	9.4	19.5
6 20	15 17.64	−26 19.4	1.713	2.607	13.1	19.7
69777 1998 QJ_{49}			5 19.7 351°.01		15°.2/ 8.1 18	
4 11	16 8.79	+15 8.1	1.679	2.462	17.7	18.1
4 21	16 5.89	+17 17.9	1.630	2.459	16.3	18.0
5 1	16 0.61	+19 7.8	1.600	2.456	15.4	17.9
5 11	15 53.60	+20 28.1	1.589	2.453	15.2	17.9
5 21	15 45.79	+21 11.8	1.599	2.451	15.8	17.9
5 31	15 38.20	+21 15.7	1.627	2.450	17.1	18.0
6 10	15 31.84	+20 41.3	1.671	2.449	18.6	18.1
6 20	15 27.38	+19 33.7	1.731	2.448	20.1	18.2
126520 2002 CT_{78}			5 19.7 261°.61		3°.3/18.1 17	
4 11	16 12.69	−13 2.7	1.855	2.677	14.8	20.3
4 21	16 8.82	−12 30.8	1.769	2.672	11.7	20.1
5 1	16 2.58	−11 56.9	1.704	2.666	8.1	19.9
5 11	15 54.57	−11 24.2	1.664	2.660	4.6	19.6
5 21	15 45.64	−10 56.0	1.651	2.655	3.6	19.5
5 31	15 36.84	−10 36.0	1.664	2.649	6.6	19.7
6 10	15 29.15	−10 26.8	1.703	2.643	10.3	19.9
6 20	15 23.33	−10 29.8	1.764	2.638	13.8	20.1
442102 2010 TR_{75}			5 19.7 299°.85		1°.9/18.6 16	
4 11	16 9.42	−16 25.0	2.224	3.040	12.8	22.0
4 21	16 5.96	−15 54.4	2.124	3.025	10.1	21.8
5 1	16 0.50	−15 19.3	2.047	3.010	6.9	21.6
5 11	15 53.55	−14 42.1	1.996	2.995	3.5	21.3
5 21	15 45.79	−14 5.5	1.972	2.980	2.1	21.2
5 31	15 38.08	−13 32.6	1.976	2.966	5.2	21.4
6 10	15 31.23	−13 6.7	2.006	2.951	8.7	21.6
6 20	15 25.93	−12 50.0	2.060	2.937	12.0	21.7
386453 2008 WT_{137}			5 19.7 181°.77		1°.2/19.0 17	
4 11	16 12.88	−18 27.0	2.299	3.104	12.8	22.1
4 21	16 8.47	−17 59.3	2.210	3.104	10.0	21.9
5 1	16 2.07	−17 26.5	2.144	3.105	6.8	21.7
5 11	15 54.23	−16 50.1	2.105	3.104	3.3	21.5
5 21	15 45.70	−16 12.7	2.094	3.104	1.4	21.4
5 31	15 37.32	−15 37.2	2.111	3.103	4.7	21.6
6 10	15 29.91	−15 6.9	2.155	3.102	8.1	21.8
6 20	15 24.08	−14 44.2	2.225	3.100	11.3	22.0
123006 2000 SD_{259}			5 19.7 188°.93		2°.2/18.5 18	
4 11	16 14.31	−14 31.8	2.245	3.051	13.0	21.0
4 21	16 9.62	−14 9.4	2.156	3.051	10.2	20.8
5 1	16 2.88	−13 44.7	2.090	3.050	7.0	20.6
5 11	15 54.64	−13 19.8	2.051	3.048	3.7	20.4
5 21	15 45.65	−12 57.0	2.039	3.046	2.4	20.3
5 31	15 36.79	−12 39.1	2.056	3.043	5.3	20.5
6 10	15 28.90	−12 28.2	2.100	3.040	8.7	20.7
6 20	15 22.63	−12 26.1	2.168	3.036	11.8	20.9
213788 2003 FF_{11}			5 19.7 308°.87		5°.6/15.9 17	
4 11	16 8.22	− 7 59.2	2.030	2.855	13.6	20.4
4 21	16 5.19	− 6 51.3	1.933	2.834	10.9	20.2
5 1	16 0.07	− 5 42.5	1.859	2.813	8.1	20.0
5 11	15 53.38	− 4 37.8	1.809	2.792	5.9	19.8
5 21	15 45.83	− 3 42.3	1.786	2.772	6.0	19.7
5 31	15 38.29	− 3 0.9	1.789	2.751	8.3	19.8
6 10	15 31.65	− 2 36.8	1.817	2.731	11.4	20.0
6 20	15 26.59	− 2 31.2	1.866	2.712	14.4	20.1

250874 2005 UM_{444} 5 19.7 286°.44 0°.7/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 10.37	−24 21.4	2.330	3.130	12.8	20.5
4 21	16 6.69	−23 58.4	2.228	3.117	10.2	20.3
5 1	16 0.98	−23 26.2	2.148	3.105	7.1	20.0
5 11	15 53.77	−22 45.6	2.094	3.092	3.5	19.8
5 21	15 45.79	−21 58.2	2.068	3.080	0.7	19.5
5 31	15 37.87	−21 7.5	2.070	3.067	4.2	19.8
6 10	15 30.88	−20 17.3	2.099	3.055	7.8	20.0
6 20	15 25.45	−19 31.7	2.153	3.042	11.0	20.2

161233 2003 AS_{2} 5 19.7 182°.86 17°.8/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 21.64	+18 5.7	1.410	2.173	21.4	19.5
4 21	16 16.40	+19 52.7	1.360	2.174	19.7	19.3
5 1	16 7.95	+21 13.5	1.327	2.175	18.4	19.3
5 11	15 57.17	+21 56.5	1.311	2.174	17.9	19.2
5 21	15 45.31	+21 54.1	1.314	2.174	18.2	19.2
5 31	15 33.86	+21 3.8	1.335	2.172	19.4	19.3
6 10	15 24.18	+19 30.1	1.374	2.169	21.1	19.4
6 20	15 17.13	+17 21.5	1.429	2.166	22.9	19.5

470603 2008 QF_{23} 5 19.7 237°.04 6°.4/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 11.71	− 5 25.0	2.172	2.984	13.2	21.4
4 21	16 7.66	− 4 0.6	2.083	2.972	10.8	21.2
5 1	16 1.59	− 2 36.7	2.017	2.961	8.3	21.1
5 11	15 54.05	− 1 18.8	1.977	2.948	6.6	20.9
5 21	15 45.75	− 0 12.5	1.964	2.936	6.8	20.9
5 31	15 37.54	+ 0 37.3	1.978	2.922	8.8	21.0
6 10	15 30.23	+ 1 7.7	2.017	2.909	11.5	21.1
6 20	15 24.48	+ 1 18.3	2.078	2.895	14.2	21.3

470119 2006 TY_{125} 5 19.7 66°.63 1°.7/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 14.23	−24 0.8	2.218	3.013	13.5	21.0
4 21	16 9.76	−24 25.4	2.133	3.019	10.8	20.8
5 1	16 3.08	−24 43.9	2.071	3.024	7.5	20.6
5 11	15 54.78	−24 55.4	2.034	3.029	4.0	20.4
5 21	15 45.65	−24 59.8	2.024	3.034	1.7	20.3
5 31	15 36.64	−24 58.1	2.043	3.039	4.3	20.5
6 10	15 28.68	−24 52.9	2.089	3.045	7.8	20.7
6 20	15 22.45	−24 46.9	2.159	3.050	10.9	20.9

485417 2011 OK_{60} 5 19.8 52°.63 5°.6/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 3.24	+ 8 34.7	4.362	5.127	7.8	20.8
4 21	16 0.03	+ 9 17.8	4.295	5.130	6.8	20.7
5 1	15 55.91	+ 9 54.0	4.252	5.133	6.0	20.7
5 11	15 51.19	+10 20.8	4.235	5.136	5.6	20.6
5 21	15 46.19	+10 36.5	4.243	5.139	5.8	20.7
5 31	15 41.26	+10 39.9	4.277	5.142	6.5	20.7
6 10	15 36.77	+10 31.0	4.335	5.145	7.4	20.8
6 20	15 32.98	+10 10.2	4.416	5.148	8.5	20.9

434378 2004 TE_{351} 5 19.8 247°.91 1°.4/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 17.13	−22 9.7	1.981	2.782	14.8	21.3
4 21	16 12.46	−22 41.3	1.886	2.775	11.8	21.1
5 1	16 5.20	−23 8.4	1.812	2.767	8.2	20.9
5 11	15 55.92	−23 29.9	1.763	2.760	4.2	20.6
5 21	15 45.50	−23 44.8	1.741	2.752	1.4	20.4
5 31	15 35.05	−23 53.8	1.748	2.744	4.9	20.6
6 10	15 25.72	−23 59.2	1.781	2.736	8.9	20.8
6 20	15 18.36	−24 3.7	1.838	2.728	12.6	21.0

245624 2005 WH_{182} 5 19.8 266°.25 4°.7/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 12.21	− 4 51.4	2.507	3.310	12.0	20.4
4 21	16 7.81	− 4 33.4	2.411	3.297	9.7	20.2
5 1	16 1.60	− 4 19.7	2.339	3.284	7.2	20.1
5 11	15 54.05	− 4 13.2	2.292	3.271	5.2	19.9
5 21	15 45.79	− 4 16.3	2.273	3.258	4.9	19.9
5 31	15 37.55	− 4 30.6	2.282	3.245	6.7	20.0
6 10	15 30.08	− 4 56.7	2.317	3.231	9.3	20.1
6 20	15 23.96	− 5 34.3	2.377	3.218	11.8	20.2

324360 2006 QG_{108} 5 19.8 254°.67 0°.5/20.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 16.14	−22 37.6	1.835	2.641	15.5	21.7
4 21	16 11.94	−22 28.7	1.731	2.624	12.4	21.4
5 1	16 4.99	−22 11.0	1.647	2.606	8.6	21.2
5 11	15 55.88	−21 44.6	1.588	2.587	4.3	20.8
5 21	15 45.51	−21 10.7	1.556	2.568	0.7	20.5
5 31	15 35.08	−20 32.5	1.551	2.548	5.3	20.8
6 10	15 25.81	−19 54.6	1.572	2.528	9.8	21.0
6 20	15 18.65	−19 21.9	1.616	2.507	14.0	21.2

343388 2010 CN_{149} 5 19.8 301°.57 2°.0/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 11.37	−16 28.2	1.782	2.607	15.2	20.9
4 21	16 8.15	−16 6.2	1.681	2.586	12.0	20.6
5 1	16 2.38	−15 39.5	1.601	2.565	8.2	20.3
5 11	15 54.62	−15 10.2	1.545	2.544	4.2	20.0
5 21	15 45.69	−14 41.1	1.515	2.524	2.3	19.9
5 31	15 36.71	−14 16.0	1.511	2.503	6.1	20.1
6 10	15 28.79	−13 58.5	1.532	2.483	10.5	20.3
6 20	15 22.82	−13 51.4	1.576	2.463	14.4	20.5

316599 2011 UX_{311} 5 19.8 274°.03 0°.1/19.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 11.19	−20 55.3	2.278	3.084	12.9	21.7
4 21	16 7.34	−20 41.1	2.180	3.074	10.2	21.5
5 1	16 1.44	−20 20.7	2.104	3.064	6.9	21.3
5 11	15 54.02	−19 54.8	2.054	3.053	3.3	21.0
5 21	15 45.79	−19 25.3	2.031	3.043	0.5	20.8
5 31	15 37.62	−18 54.7	2.036	3.033	4.4	21.0
6 10	15 30.37	−18 26.4	2.069	3.022	8.0	21.2
6 20	15 24.69	−18 3.2	2.126	3.012	11.3	21.4

504409 2007 XM_{36} 5 19.8 166°.37 2°.6/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 14.82	−10 31.3	2.805	3.599	11.0	21.7
4 21	16 9.53	−10 29.2	2.718	3.604	8.7	21.5
5 1	16 2.58	−10 28.4	2.655	3.608	6.1	21.4
5 11	15 54.45	−10 30.4	2.619	3.612	3.5	21.2
5 21	15 45.74	−10 36.5	2.613	3.615	2.7	21.2
5 31	15 37.14	−10 47.8	2.637	3.618	4.8	21.3
6 10	15 29.32	−11 5.0	2.689	3.620	7.4	21.5
6 20	15 22.80	−11 28.6	2.767	3.622	10.0	21.7

38605 1999 YV_{10} 5 19.8 308°.70 2°.2/18.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 10.13	−14 21.2	2.195	3.012	13.0	18.6
4 21	16 6.55	−14 4.5	2.098	2.999	10.2	18.3
5 1	16 0.93	−13 45.9	2.025	2.987	7.0	18.1
5 11	15 53.79	−13 27.6	1.976	2.974	3.7	17.9
5 21	15 45.83	−13 11.6	1.955	2.962	2.4	17.8
5 31	15 37.91	−13 0.4	1.961	2.950	5.3	18.0
6 10	15 30.87	−12 56.4	1.994	2.939	8.8	18.1
6 20	15 25.37	−13 0.9	2.050	2.927	12.0	18.3

253448 2003 RU_{17} 5 19.8 315°.99 2°.1/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 11.30	−26 50.0	1.311	2.142	19.3	19.8
4 21	16 9.19	−26 38.1	1.222	2.127	15.6	19.5
5 1	16 3.65	−26 9.6	1.151	2.113	11.1	19.2
5 11	15 55.39	−25 23.9	1.102	2.099	6.0	18.9
5 21	15 45.59	−24 22.6	1.076	2.086	2.2	18.6
5 31	15 35.84	−23 11.3	1.073	2.074	6.4	18.8
6 10	15 27.75	−21 58.5	1.094	2.062	11.7	19.1
6 20	15 22.43	−20 52.6	1.135	2.050	16.7	19.3

22720 1998 SF_{49} 5 19.8 86°.42 0°.7/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 11.15	−22 52.4	2.522	3.318	12.1	18.2
4 21	16 7.01	−22 50.2	2.437	3.325	9.5	18.1
5 1	16 1.03	−22 41.9	2.375	3.331	6.5	17.9
5 11	15 53.76	−22 27.8	2.339	3.337	3.2	17.7
5 21	15 45.85	−22 9.0	2.332	3.343	0.7	17.5
5 31	15 38.10	−21 47.5	2.353	3.349	3.8	17.7
6 10	15 31.24	−21 25.9	2.401	3.356	7.0	17.9
6 20	15 25.84	−21 6.8	2.474	3.362	9.9	18.1

182976 2002 NR_{37} 5 19.8 253°.00 7°.0/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 14.98	− 3 52.0	1.961	2.771	14.6	21.2
4 21	16 10.60	− 2 50.1	1.863	2.750	12.0	21.0
5 1	16 3.84	− 1 50.9	1.787	2.729	9.3	20.8
5 11	15 55.26	− 0 59.9	1.735	2.707	7.3	20.6
5 21	15 45.63	− 0 22.5	1.710	2.684	7.4	20.5
5 31	15 35.96	− 0 3.1	1.711	2.661	9.6	20.6
6 10	15 27.25	− 0 4.0	1.737	2.636	12.6	20.8
6 20	15 20.31	− 0 25.0	1.784	2.612	15.7	20.9

357856 2005 UG_{250} 5 19.8 242°.00 6°.0/23.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 16.54	−41 0.8	2.858	3.573	12.6	21.6
4 21	16 11.61	−41 33.9	2.748	3.559	10.9	21.4
5 1	16 4.41	−41 54.0	2.659	3.545	9.0	21.3
5 11	15 55.48	−41 57.9	2.593	3.530	7.2	21.1
5 21	15 45.60	−41 44.0	2.554	3.515	6.1	21.0
5 31	15 35.72	−41 12.6	2.542	3.499	6.4	21.0
6 10	15 26.80	−40 26.6	2.557	3.483	8.0	21.1
6 20	15 19.60	−39 30.8	2.597	3.467	10.0	21.2

470133 2006 UX_{35} 5 19.8 213°.13 2°.0/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 10.56	−17 16.3	2.446	3.254	12.1	21.5
4 21	16 6.54	−16 22.2	2.354	3.251	9.4	21.3
5 1	16 0.72	−15 22.2	2.286	3.247	6.4	21.1
5 11	15 53.62	−14 19.2	2.245	3.243	3.3	20.9
5 21	15 45.89	−13 16.7	2.233	3.240	2.2	20.8
5 31	15 38.32	−12 18.5	2.249	3.235	5.0	21.0
6 10	15 31.61	−11 28.4	2.293	3.231	8.2	21.2
6 20	15 26.34	−10 49.0	2.361	3.227	11.1	21.4

427954 2005 XB_{45} 5 19.8 266°.50 2°.0/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 15.14	−25 27.3	1.876	2.677	15.4	21.7
4 21	16 11.15	−25 36.0	1.774	2.662	12.4	21.4
5 1	16 4.46	−25 35.4	1.693	2.647	8.8	21.2
5 11	15 55.63	−25 24.6	1.637	2.632	4.8	20.9
5 21	15 45.59	−25 3.6	1.606	2.616	2.0	20.7
5 31	15 35.51	−24 34.5	1.603	2.600	5.2	20.8
6 10	15 26.60	−24 1.7	1.626	2.584	9.4	21.0
6 20	15 19.77	−23 30.0	1.672	2.568	13.3	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
28075 Emilyhoffman			5 19.8 230°.57		1°.3/20.4 18	
	h m	° ′			°	m
4 11	16 15.84	−24 31.1	1.847	2.650	15.6	19.2
4 21	16 11.59	−24 26.4	1.752	2.642	12.4	19.0
5 1	16 4.66	−24 12.0	1.679	2.635	8.7	18.7
5 11	15 55.68	−23 47.4	1.630	2.627	4.5	18.5
5 21	15 45.59	−23 13.9	1.607	2.618	1.3	18.2
5 31	15 35.59	−22 34.5	1.612	2.609	5.1	18.4
6 10	15 26.84	−21 53.9	1.642	2.600	9.4	18.7
6 20	15 20.20	−21 17.1	1.697	2.590	13.3	18.9
75627 2000 AT_{48}			5 19.8 198°.08		1°.8/18.9 17	
4 11	16 17.28	−15 43.2	1.922	2.731	14.8	19.8
4 21	16 12.41	−15 33.8	1.833	2.729	11.7	19.6
5 1	16 5.04	−15 21.8	1.765	2.726	8.0	19.4
5 11	15 55.80	−15 8.7	1.723	2.722	4.0	19.1
5 21	15 45.58	−14 56.4	1.709	2.718	2.0	19.0
5 31	15 35.46	−14 47.4	1.722	2.713	5.6	19.2
6 10	15 26.50	−14 44.2	1.761	2.708	9.7	19.4
6 20	15 19.49	−14 48.8	1.825	2.702	13.3	19.6
468695 2009 UX_{134}			5 19.8 220°.73		0°.9/19.2 18	
4 11	16 14.20	−20 40.5	2.182	2.985	13.5	21.7
4 21	16 9.73	−19 57.7	2.084	2.976	10.6	21.5
5 1	16 3.07	−19 6.2	2.008	2.967	7.2	21.3
5 11	15 54.81	−18 8.1	1.958	2.957	3.4	21.0
5 21	15 45.73	−17 6.4	1.936	2.947	1.2	20.9
5 31	15 36.76	−16 5.2	1.943	2.936	4.9	21.1
6 10	15 28.81	−15 9.5	1.978	2.925	8.7	21.3
6 20	15 22.58	−14 22.8	2.037	2.913	12.1	21.5
321304 2009 GQ			5 19.8 98°.82		0°.6/19.5 17	
4 11	16 17.46	−19 29.9	1.603	2.421	16.9	21.2
4 21	16 12.83	−19 22.1	1.535	2.435	13.3	21.0
5 1	16 5.40	−19 8.3	1.486	2.449	9.0	20.8
5 11	15 55.95	−18 49.3	1.462	2.462	4.3	20.6
5 21	15 45.58	−18 27.4	1.464	2.475	0.9	20.3
5 31	15 35.56	−18 5.7	1.492	2.488	5.6	20.7
6 10	15 27.08	−17 48.2	1.546	2.501	10.0	21.0
6 20	15 20.92	−17 37.8	1.622	2.513	13.9	21.2
353581 2011 SM_{272}			5 19.8 219°.31		3°.1/21.9 17	
4 11	16 13.14	−31 33.3	2.566	3.334	12.6	20.7
4 21	16 8.76	−31 33.9	2.467	3.329	10.3	20.5
5 1	16 2.34	−31 23.3	2.389	3.324	7.6	20.3
5 11	15 54.44	−31 0.5	2.337	3.319	4.9	20.2
5 21	15 45.79	−30 25.7	2.312	3.313	3.1	20.0
5 31	15 37.25	−29 41.1	2.316	3.307	4.4	20.1
6 10	15 29.67	−28 50.4	2.348	3.301	7.2	20.3
6 20	15 23.68	−27 58.0	2.405	3.295	10.0	20.4
202443 2005 YE_{58}			5 19.8 253°.83		2°.2/20.7 16	
4 11	16 17.30	−26 23.4	1.567	2.375	17.7	21.1
4 21	16 13.44	−26 22.8	1.469	2.361	14.3	20.8
5 1	16 6.34	−26 9.5	1.390	2.346	10.2	20.5
5 11	15 56.65	−25 42.0	1.335	2.330	5.6	20.2
5 21	15 45.45	−25 0.8	1.304	2.314	2.2	20.0
5 31	15 34.23	−24 9.4	1.300	2.298	5.9	20.1
6 10	15 24.46	−23 14.2	1.320	2.281	10.9	20.4
6 20	15 17.25	−22 22.1	1.363	2.263	15.4	20.6
423909 2006 SC_{300}			5 19.8 263°.43		0°.1/19.8 17	
4 11	16 16.69	−19 45.0	1.685	2.501	16.3	21.4
4 21	16 12.57	−19 56.3	1.589	2.488	13.0	21.1
5 1	16 5.55	−20 3.1	1.513	2.474	9.0	20.9
5 11	15 56.21	−20 5.1	1.461	2.461	4.3	20.6
5 21	15 45.52	−20 3.0	1.435	2.447	0.6	20.2
5 31	15 34.76	−19 58.5	1.436	2.433	5.6	20.6
6 10	15 25.24	−19 54.7	1.462	2.419	10.3	20.8
6 20	15 17.98	−19 54.9	1.511	2.405	14.6	21.0
105997 2000 SH_{281}			5 19.8 210°.57		0°.6/20.2 18	
4 11	16 11.70	−24 4.9	2.611	3.402	11.9	20.4
4 21	16 7.43	−23 41.9	2.513	3.398	9.4	20.2
5 1	16 1.34	−23 10.8	2.439	3.393	6.5	20.0
5 11	15 53.93	−22 32.4	2.391	3.388	3.2	19.8
5 21	15 45.87	−21 48.4	2.371	3.383	0.6	19.5
5 31	15 37.93	−21 1.6	2.380	3.377	3.8	19.8
6 10	15 30.86	−20 15.6	2.418	3.371	7.0	20.0
6 20	15 25.21	−19 33.5	2.481	3.365	10.0	20.2
326177 2012 BF_{125}			5 19.8 70°.29		4°.8/17.5 17	
4 11	16 13.56	−11 56.6	1.490	2.324	17.1	20.6
4 21	16 9.89	−11 0.3	1.422	2.331	13.5	20.4
5 1	16 3.46	−10 2.1	1.375	2.338	9.5	20.2
5 11	15 55.05	− 9 7.0	1.351	2.345	5.8	20.0
5 21	15 45.73	− 8 20.6	1.352	2.352	5.1	19.9
5 31	15 36.72	− 7 47.9	1.379	2.359	8.2	20.1
6 10	15 29.19	− 7 32.1	1.429	2.366	12.2	20.4
6 20	15 23.89	− 7 34.1	1.500	2.373	15.8	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
435742 2008 UY_{134}			5 19.8 56°.67		2°.2/20.6 17	
	h m	° ′			°	m
4 11	16 17.21	−23 47.3	1.786	2.591	16.0	21.2
4 21	16 12.59	−24 27.3	1.714	2.603	12.7	21.0
5 1	16 5.26	−25 0.8	1.662	2.616	8.9	20.8
5 11	15 55.93	−25 26.1	1.634	2.629	4.8	20.6
5 21	15 45.60	−25 42.1	1.633	2.642	2.2	20.4
5 31	15 35.49	−25 49.9	1.659	2.656	5.1	20.6
6 10	15 26.77	−25 52.0	1.711	2.669	9.0	20.9
6 20	15 20.25	−25 52.2	1.787	2.683	12.6	21.2
20435 1999 FU_{28}			5 19.8 312°.96		6°.7/16.2 18	
4 11	16 8.05	−11 58.5	1.223	2.080	18.7	17.0
4 21	16 6.66	−10 35.0	1.128	2.050	15.1	16.7
5 1	16 2.04	− 9 1.9	1.052	2.020	11.0	16.3
5 11	15 54.72	− 7 26.6	0.997	1.991	7.4	16.0
5 21	15 45.74	− 5 58.3	0.965	1.962	7.3	15.9
5 31	15 36.55	− 4 47.6	0.955	1.934	11.2	16.0
6 10	15 28.72	− 4 2.6	0.966	1.906	16.2	16.2
6 20	15 23.46	− 3 46.9	0.994	1.880	21.0	16.4
143625 2003 HJ_{26}			5 19.8 68°.74		8°.0/14.1 17	
4 11	16 9.88	+ 1 18.8	2.214	3.018	13.3	19.4
4 21	16 5.93	+ 2 46.3	2.162	3.037	11.1	19.3
5 1	16 0.22	+ 4 5.9	2.134	3.056	9.1	19.2
5 11	15 53.34	+ 5 11.7	2.131	3.075	8.0	19.1
5 21	15 45.99	+ 5 59.3	2.154	3.094	8.3	19.2
5 31	15 38.92	+ 6 25.9	2.201	3.113	9.7	19.3
6 10	15 32.83	+ 6 30.9	2.273	3.132	11.6	19.5
6 20	15 28.21	+ 6 16.1	2.364	3.151	13.5	19.6
276618 2003 UC_{113}			5 19.8 234°.98		4°.4/17.7 17	
4 11	16 15.05	−11 11.7	1.734	2.556	15.7	20.9
4 21	16 10.91	−10 30.2	1.646	2.547	12.5	20.7
5 1	16 4.16	− 9 47.4	1.579	2.538	8.8	20.4
5 11	15 55.44	− 9 7.4	1.536	2.529	5.4	20.2
5 21	15 45.67	− 8 34.3	1.519	2.519	4.7	20.1
5 31	15 35.98	− 8 12.3	1.529	2.509	7.7	20.3
6 10	15 27.48	− 8 4.4	1.564	2.498	11.5	20.5
6 20	15 21.01	− 8 11.8	1.620	2.487	15.2	20.7
200601 2001 RT_{109}			5 19.8 181°.29		0°.8/19.4 16	
4 11	16 18.82	−19 24.9	1.884	2.688	15.3	22.0
4 21	16 13.65	−19 6.5	1.797	2.690	12.0	21.7
5 1	16 5.89	−18 41.7	1.732	2.691	8.2	21.5
5 11	15 56.22	−18 11.6	1.691	2.691	3.9	21.3
5 21	15 45.58	−17 38.5	1.679	2.690	1.1	21.0
5 31	15 35.11	−17 5.8	1.694	2.688	5.3	21.3
6 10	15 25.92	−16 37.5	1.736	2.686	9.6	21.6
6 20	15 18.80	−16 16.8	1.803	2.682	13.3	21.8
505532 2013 YE_{43}			5 19.8 169°.46		2°.7/21.5 17	
4 11	16 15.80	−29 45.7	2.584	3.352	12.6	22.8
4 21	16 10.72	−29 49.9	2.492	3.356	10.2	22.7
5 1	16 3.61	−29 44.1	2.422	3.360	7.4	22.5
5 11	15 55.03	−29 27.4	2.378	3.363	4.5	22.3
5 21	15 45.75	−29 0.1	2.362	3.366	2.7	22.2
5 31	15 36.62	−28 24.1	2.375	3.368	4.2	22.3
6 10	15 28.48	−27 43.1	2.417	3.369	7.1	22.5
6 20	15 21.97	−27 0.9	2.484	3.370	9.9	22.7
148834 2001 UF_{192}			5 19.8 228°.86		6°.3/23.1 17	
4 11	16 18.25	−37 8.5	1.965	2.722	16.3	20.8
4 21	16 13.77	−37 39.9	1.869	2.716	13.8	20.6
5 1	16 6.31	−37 55.5	1.793	2.709	10.9	20.4
5 11	15 56.54	−37 51.2	1.740	2.702	8.1	20.2
5 21	15 45.52	−37 24.9	1.711	2.694	6.4	20.1
5 31	15 34.59	−36 38.0	1.709	2.687	7.2	20.1
6 10	15 25.08	−35 35.8	1.732	2.679	9.8	20.3
6 20	15 17.95	−34 25.5	1.780	2.671	12.9	20.4
7634 Shizutani–Kou			5 19.8 257°.58		0°.6/19.4 18	
4 11	16 11.19	−18 53.0	2.670	3.470	11.4	19.1
4 21	16 7.06	−18 41.2	2.564	3.455	9.0	18.9
5 1	16 1.13	−18 25.2	2.480	3.439	6.1	18.7
5 11	15 53.88	−18 5.9	2.423	3.423	2.9	18.5
5 21	15 45.91	−17 44.9	2.395	3.406	0.8	18.3
5 31	15 37.93	−17 24.1	2.396	3.390	4.0	18.5
6 10	15 30.70	−17 5.9	2.424	3.373	7.3	18.7
6 20	15 24.79	−16 52.5	2.478	3.355	10.2	18.9
502216 2015 BX_{85}			5 19.8 221°.43		2°.2/18.6 17	
4 11	16 15.75	−15 49.6	2.069	2.877	14.0	22.5
4 21	16 11.07	−15 20.8	1.972	2.868	11.0	22.2
5 1	16 4.09	−14 48.0	1.897	2.857	7.5	22.0
5 11	15 55.36	−14 13.1	1.848	2.846	3.9	21.8
5 21	15 45.70	−13 39.1	1.827	2.834	2.4	21.6
5 31	15 36.09	−13 9.3	1.833	2.822	5.7	21.8
6 10	15 27.51	−12 46.9	1.867	2.809	9.5	22.0
6 20	15 20.70	−12 34.4	1.924	2.795	13.0	22.2

330252 2006 RZ_{39} 5 19.8 263°.42 0°.3/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 8.62	−21 53.1	3.738	4.522	8.7	21.5
4 21	16 4.57	−21 50.3	3.619	4.501	6.9	21.4
5 1	15 59.21	−21 43.5	3.525	4.479	4.7	21.2
5 11	15 52.90	−21 33.1	3.459	4.456	2.3	21.0
5 21	15 46.07	−21 19.7	3.422	4.434	0.4	20.8
5 31	15 39.22	−21 4.4	3.415	4.411	2.8	21.0
6 10	15 32.86	−20 49.0	3.438	4.388	5.3	21.1
6 20	15 27.42	−20 35.0	3.487	4.364	7.5	21.3

408155 2013 CD_{127} 5 19.8 324°.90 6°.1/21.3 17

4 11	16 15.27	−28 58.3	1.189	2.016	21.1	20.5
4 21	16 13.05	−30 6.1	1.106	2.004	17.4	20.2
5 1	16 6.83	−31 3.7	1.041	1.993	13.1	20.0
5 11	15 57.18	−31 45.2	0.995	1.983	8.7	19.7
5 21	15 45.42	−32 5.8	0.971	1.973	6.1	19.5
5 31	15 33.49	−32 4.4	0.970	1.964	8.5	19.6
6 10	15 23.45	−31 45.8	0.991	1.955	13.1	19.8
6 20	15 16.77	−31 18.1	1.030	1.948	17.8	20.0

7974 Vermeesch 5 19.8 245°.94 0°.1/19.7 18

4 11	16 16.12	−21 3.6	1.582	2.401	17.0	18.7
4 21	16 12.23	−20 52.8	1.491	2.392	13.5	18.4
5 1	16 5.34	−20 33.5	1.421	2.383	9.3	18.2
5 11	15 56.11	−20 6.6	1.374	2.374	4.5	17.9
5 21	15 45.60	−19 34.0	1.353	2.365	0.7	17.5
5 31	15 35.15	−18 59.3	1.357	2.355	5.9	17.9
6 10	15 26.10	−18 27.7	1.387	2.345	10.7	18.1
6 20	15 19.42	−18 3.5	1.439	2.334	15.1	18.4

354761 2005 UO_{57} 5 19.8 178°.82 1°.2/20.6 18

4 11	16 12.52	−24 41.6	2.977	3.758	10.8	21.7
4 21	16 7.86	−24 46.8	2.882	3.759	8.6	21.6
5 1	16 1.54	−24 46.0	2.811	3.760	6.0	21.4
5 11	15 54.03	−24 39.1	2.766	3.760	3.2	21.2
5 21	15 45.92	−24 26.5	2.750	3.760	1.2	21.0
5 31	15 37.90	−24 9.7	2.764	3.760	3.4	21.2
6 10	15 30.63	−23 50.8	2.807	3.759	6.2	21.4
6 20	15 24.65	−23 32.3	2.876	3.758	8.8	21.6

507617 2013 CL_{210} 5 19.8 125°.05 0°.1/19.7 17

4 11	16 11.15	−21 17.8	2.598	3.396	11.7	22.2
4 21	16 6.91	−20 57.6	2.514	3.404	9.2	22.1
5 1	16 0.92	−20 31.6	2.454	3.411	6.2	21.9
5 11	15 53.73	−20 0.8	2.420	3.419	3.0	21.7
5 21	15 45.97	−19 27.0	2.414	3.426	0.5	21.5
5 31	15 38.39	−18 52.7	2.438	3.433	3.8	21.8
6 10	15 31.68	−18 20.9	2.489	3.440	7.0	22.0
6 20	15 26.36	−17 53.9	2.566	3.447	9.8	22.2

465841 2010 NS_{110} 5 19.8 247°.35 1°.9/18.9 17

4 11	16 15.43	−16 50.3	1.737	2.556	15.8	21.6
4 21	16 11.35	−16 28.1	1.642	2.544	12.5	21.3
5 1	16 4.57	−16 0.9	1.569	2.532	8.5	21.1
5 11	15 55.70	−15 30.7	1.520	2.520	4.3	20.8
5 21	15 45.67	−15 0.3	1.497	2.507	2.2	20.6
5 31	15 35.66	−14 33.5	1.501	2.494	6.2	20.8
6 10	15 26.86	−14 14.0	1.531	2.480	10.6	21.1
6 20	15 20.16	−14 4.7	1.583	2.466	14.6	21.3

122938 2000 SV_{189} 5 19.8 136°.17 0°.6/19.4 17

4 11	16 15.17	−20 20.7	2.460	3.253	12.4	21.0
4 21	16 10.01	−19 49.2	2.381	3.269	9.7	20.8
5 1	16 2.99	−19 11.6	2.326	3.284	6.5	20.6
5 11	15 54.69	−18 29.4	2.299	3.298	3.1	20.4
5 21	15 45.84	−17 45.0	2.300	3.311	0.9	20.2
5 31	15 37.26	−17 1.5	2.331	3.324	4.2	20.5
6 10	15 29.68	−16 22.2	2.389	3.336	7.5	20.7
6 20	15 23.65	−15 49.9	2.474	3.347	10.4	21.0

488331 2016 UK_{147} 5 19.8 237°.21 3°.0/22.1 18

4 11	16 13.03	−32 27.5	2.948	3.705	11.4	22.1
4 21	16 8.46	−32 21.6	2.836	3.691	9.4	21.9
5 1	16 2.06	−32 4.9	2.747	3.677	7.0	21.7
5 11	15 54.32	−31 36.4	2.684	3.663	4.5	21.6
5 21	15 45.89	−30 56.4	2.649	3.648	3.0	21.4
5 31	15 37.52	−30 6.9	2.644	3.633	4.1	21.5
6 10	15 29.97	−29 11.3	2.666	3.618	6.6	21.6
6 20	15 23.83	−28 13.7	2.716	3.602	9.1	21.8

70989 1999 XT_{32} 5 19.8 65°.21 3°.2/21.6 17

4 11	16 16.60	−30 2.6	1.856	2.644	16.1	19.3
4 21	16 11.84	−30 3.2	1.795	2.671	12.9	19.2
5 1	16 4.53	−29 50.3	1.755	2.699	9.3	19.0
5 11	15 55.47	−29 23.3	1.738	2.726	5.6	18.8
5 21	15 45.74	−28 43.3	1.748	2.753	3.2	18.7
5 31	15 36.50	−27 54.0	1.785	2.780	5.1	18.9
6 10	15 28.76	−27 0.9	1.849	2.806	8.5	19.2
6 20	15 23.18	−26 9.4	1.936	2.833	11.7	19.4

102377 1999 TZ_{145} 5 19.8 320°.92 0°.8/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 9.60	−22 56.1	1.241	2.085	19.3	19.3
4 21	16 8.07	−22 52.6	1.149	2.064	15.5	19.0
5 1	16 3.09	−22 37.3	1.075	2.043	10.9	18.7
5 11	15 55.27	−22 10.4	1.022	2.023	5.5	18.3
5 21	15 45.72	−21 33.2	0.992	2.003	1.0	17.9
5 31	15 36.04	−20 50.4	0.984	1.985	6.7	18.3
6 10	15 27.91	−20 8.7	0.999	1.967	12.4	18.5
6 20	15 22.59	−19 34.8	1.033	1.951	17.6	18.7

69550 1997 LA_{6} 5 19.8 196°.89 5°.5/16.8 18

4 11	16 14.20	− 3 1.8	2.436	3.233	12.4	19.4
4 21	16 9.33	− 2 31.6	2.351	3.231	10.1	19.3
5 1	16 2.62	− 2 6.6	2.289	3.228	7.7	19.1
5 11	15 54.57	− 1 50.2	2.253	3.224	5.9	19.0
5 21	15 45.86	− 1 45.1	2.244	3.220	5.7	19.0
5 31	15 37.26	− 1 53.3	2.264	3.216	7.4	19.0
6 10	15 29.51	− 2 15.4	2.309	3.211	9.8	19.2
6 20	15 23.20	− 2 50.6	2.378	3.206	12.3	19.3

61880 2000 QC_{217} 5 19.8 181°.09 2°.1/20.9 18

4 11	16 14.32	−26 38.7	2.620	3.399	12.1	20.2
4 21	16 9.59	−26 58.6	2.526	3.400	9.7	20.0
5 1	16 2.88	−27 11.4	2.455	3.400	6.9	19.8
5 11	15 54.74	−27 16.2	2.410	3.400	4.0	19.6
5 21	15 45.84	−27 12.9	2.393	3.400	2.1	19.5
5 31	15 37.01	−27 2.5	2.405	3.399	4.0	19.6
6 10	15 29.06	−26 47.4	2.445	3.398	7.0	19.8
6 20	15 22.63	−26 30.8	2.511	3.397	9.8	20.0

193757 2001 KV_{60} 5 19.8 5°.76 3°.1/18.5 16

4 11	16 7.73	−18 7.8	0.956	1.827	21.6	19.8
4 21	16 6.84	−17 17.7	0.895	1.826	17.0	19.5
5 1	16 2.20	−16 16.3	0.851	1.827	11.6	19.2
5 11	15 54.72	−15 9.1	0.826	1.828	5.8	18.9
5 21	15 45.84	−14 3.6	0.822	1.832	3.5	18.7
5 31	15 37.32	−13 8.4	0.839	1.836	8.6	19.0
6 10	15 30.82	−12 30.7	0.877	1.842	14.3	19.3
6 20	15 27.36	−12 14.1	0.932	1.849	19.2	19.7

475124 2005 UN_{289} 5 19.8 260°.84 0°.9/20.4 17

4 11	16 10.98	−24 56.5	2.476	3.270	12.3	21.8
4 21	16 7.06	−24 38.7	2.376	3.261	9.8	21.6
5 1	16 1.20	−24 12.2	2.298	3.252	6.8	21.4
5 11	15 53.94	−23 37.6	2.246	3.243	3.5	21.1
5 21	15 45.95	−22 56.2	2.222	3.233	1.0	20.9
5 31	15 38.05	−22 10.9	2.227	3.224	3.9	21.1
6 10	15 31.04	−21 25.3	2.259	3.215	7.3	21.3
6 20	15 25.51	−20 43.1	2.317	3.205	10.4	21.5

241419 2008 US_{207} 5 19.8 113°.45 2°.1/20.8 17

4 11	16 15.43	−25 44.1	2.032	2.827	14.6	21.2
4 21	16 10.94	−25 59.1	1.949	2.833	11.7	21.0
5 1	16 4.03	−26 5.7	1.888	2.839	8.2	20.8
5 11	15 55.34	−26 2.8	1.852	2.845	4.5	20.6
5 21	15 45.76	−25 50.7	1.842	2.851	2.1	20.4
5 31	15 36.36	−25 31.3	1.861	2.857	4.7	20.6
6 10	15 28.15	−25 8.1	1.906	2.863	8.3	20.9
6 20	15 21.89	−24 45.1	1.975	2.868	11.7	21.1

190661 2000 YT_{84} 5 19.8 145°.07 1°.4/19.0 18

4 11	16 14.58	−17 14.0	2.267	3.071	13.0	21.2
4 21	16 9.78	−16 53.0	2.187	3.080	10.2	21.0
5 1	16 2.97	−16 28.1	2.129	3.088	6.9	20.8
5 11	15 54.74	−16 1.0	2.098	3.096	3.4	20.6
5 21	15 45.86	−15 33.9	2.094	3.104	1.6	20.5
5 31	15 37.17	−15 9.3	2.120	3.111	4.7	20.7
6 10	15 29.51	−14 50.0	2.173	3.118	8.2	20.9
6 20	15 23.47	−14 38.1	2.250	3.124	11.2	21.1

432457 2010 CU_{127} 5 19.8 213°.35 3°.2/18.0 17

4 11	16 12.10	−13 30.5	1.981	2.800	14.1	21.8
4 21	16 8.19	−12 50.9	1.898	2.799	11.1	21.6
5 1	16 2.09	−12 8.8	1.836	2.798	7.7	21.4
5 11	15 54.39	−11 27.2	1.800	2.796	4.3	21.2
5 21	15 45.90	−10 49.8	1.791	2.795	3.4	21.1
5 31	15 37.57	−10 20.2	1.810	2.793	6.3	21.3
6 10	15 30.30	−10 1.4	1.853	2.792	9.8	21.5
6 20	15 24.77	− 9 54.9	1.920	2.790	13.0	21.7

344390 2001 XG_{267} 5 19.8 45°.89 4°.2/18.4 17

4 11	16 15.36	− 7 9.7	1.946	2.758	14.6	20.1
4 21	16 10.54	− 7 15.0	1.883	2.777	11.5	19.9
5 1	16 3.54	− 7 25.6	1.841	2.795	8.2	19.7
5 11	15 55.02	− 7 43.5	1.825	2.815	5.2	19.6
5 21	15 45.83	− 8 9.9	1.836	2.834	4.3	19.6
5 31	15 36.95	− 8 45.3	1.875	2.854	6.5	19.7
6 10	15 29.25	− 9 29.5	1.940	2.874	9.7	20.0
6 20	15 23.36	−10 21.4	2.028	2.894	12.6	20.2

31735 1999 JJ_{72} 5 19.8 72°.58 1°.5/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 14.23	−14 50.1	2.178	2.987	13.3	17.5
4 21	16 9.71	−14 58.3	2.092	2.988	10.5	17.3
5 1	16 3.06	−15 5.9	2.029	2.989	7.1	17.1
5 11	15 54.85	−15 13.8	1.992	2.990	3.5	16.9
5 21	15 45.85	−15 23.1	1.982	2.991	1.7	16.8
5 31	15 36.94	−15 35.0	2.000	2.993	4.9	17.0
6 10	15 29.02	−15 50.8	2.046	2.994	8.4	17.2
6 20	15 22.75	−16 11.6	2.116	2.995	11.6	17.4

143719 2003 UU_{177} 5 19.8 298°.20 1°.7/20.5 18 R

4 11	16 14.57	−24 2.1	1.898	2.703	15.2	20.4
4 21	16 10.57	−24 21.8	1.807	2.698	12.1	20.2
5 1	16 3.98	−24 34.4	1.737	2.693	8.5	19.9
5 11	15 55.41	−24 38.9	1.692	2.688	4.5	19.7
5 21	15 45.76	−24 35.2	1.673	2.683	1.7	19.5
5 31	15 36.16	−24 24.9	1.681	2.678	4.9	19.7
6 10	15 27.74	−24 11.2	1.715	2.673	9.0	19.9
6 20	15 21.33	−23 57.7	1.772	2.669	12.6	20.1

36041 1999 QU 5 19.8 115°.48 4°.6/16.5 18

4 11	16 10.10	− 6 32.4	2.591	3.397	11.5	19.5
4 21	16 5.94	− 5 42.5	2.519	3.408	9.2	19.4
5 1	16 0.20	− 4 55.0	2.472	3.419	6.8	19.2
5 11	15 53.37	− 4 13.1	2.451	3.430	4.9	19.1
5 21	15 46.06	− 3 40.1	2.458	3.440	4.8	19.1
5 31	15 38.94	− 3 18.5	2.492	3.450	6.5	19.3
6 10	15 32.64	− 3 9.6	2.553	3.460	8.8	19.4
6 20	15 27.62	− 3 13.5	2.637	3.469	11.1	19.6

117069 2004 KV_{12} 5 19.8 191°.93 6°.4/16.4 18

4 11	16 15.33	− 2 18.0	2.192	2.992	13.5	19.9
4 21	16 10.41	− 1 35.3	2.111	2.991	11.1	19.7
5 1	16 3.45	− 0 58.2	2.052	2.989	8.6	19.5
5 11	15 55.01	− 0 31.1	2.018	2.986	6.7	19.4
5 21	15 45.84	− 0 17.5	2.011	2.983	6.6	19.4
5 31	15 36.80	− 0 19.9	2.032	2.979	8.4	19.5
6 10	15 28.73	− 0 39.0	2.077	2.975	11.0	19.6
6 20	15 22.27	− 1 13.8	2.146	2.970	13.5	19.8

65634 5644 $T\text{-}_3$ 5 19.8 342°.91 6°.6/15.9 17

4 11	16 8.22	− 4 51.6	1.883	2.710	14.4	18.9
4 21	16 5.27	− 3 52.2	1.804	2.703	11.7	18.7
5 1	16 0.17	− 2 56.2	1.747	2.696	8.9	18.5
5 11	15 53.50	− 2 9.0	1.714	2.690	6.9	18.3
5 21	15 46.05	− 1 35.4	1.706	2.684	6.9	18.3
5 31	15 38.72	− 1 19.4	1.723	2.679	9.0	18.4
6 10	15 32.40	− 1 22.4	1.764	2.675	11.8	18.6
6 20	15 27.77	− 1 44.1	1.826	2.671	14.7	18.8

154892 2004 RH_{179} 5 19.8 3°.68 8°.2/23.7 18

4 11	16 14.11	−37 52.4	1.481	2.266	19.6	19.1
4 21	16 11.44	−38 43.5	1.404	2.265	16.7	18.9
5 1	16 5.20	−39 15.2	1.344	2.265	13.4	18.7
5 11	15 56.17	−39 22.1	1.304	2.266	10.2	18.5
5 21	15 45.66	−39 1.2	1.286	2.267	8.3	18.4
5 31	15 35.37	−38 13.9	1.292	2.270	9.0	18.4
6 10	15 26.92	−37 7.2	1.320	2.273	11.7	18.6
6 20	15 21.40	−35 50.7	1.370	2.277	15.0	18.8

1778 Alfvén 5 19.8 355°.30 1°.1/19.3 18

4 11	16 10.07	−18 2.4	1.929	2.750	14.3	16.2
4 21	16 6.78	−17 50.6	1.844	2.747	11.2	16.0
5 1	16 1.24	−17 34.3	1.782	2.745	7.6	15.8
5 11	15 54.03	−17 15.2	1.744	2.744	3.7	15.5
5 21	15 45.98	−16 55.1	1.732	2.743	1.3	15.4
5 31	15 38.05	−16 37.0	1.747	2.742	5.1	15.6
6 10	15 31.21	−16 23.8	1.788	2.742	9.0	15.9
6 20	15 26.14	−16 17.7	1.852	2.742	12.5	16.1

500120 2012 BP_{148} 5 19.8 100°.68 4°.8/17.6 17

4 11	16 14.78	−11 2.6	1.574	2.403	16.7	21.9
4 21	16 10.70	−10 11.6	1.507	2.411	13.2	21.7
5 1	16 3.96	− 9 19.8	1.459	2.420	9.3	21.5
5 11	15 55.32	− 8 32.2	1.436	2.428	5.8	21.3
5 21	15 45.81	− 7 53.6	1.438	2.436	5.1	21.2
5 31	15 36.62	− 7 28.3	1.466	2.444	8.0	21.4
6 10	15 28.84	− 7 19.1	1.518	2.452	11.8	21.7
6 20	15 23.23	− 7 26.4	1.591	2.460	15.3	21.9

474773 2005 QP_{119} 5 19.8 262°.07 0°.8/19.3 18

4 11	16 11.48	−18 44.1	2.423	3.227	12.3	22.4
4 21	16 7.48	−18 28.3	2.320	3.214	9.6	22.2
5 1	16 1.53	−18 7.8	2.240	3.200	6.6	22.0
5 11	15 54.14	−17 43.9	2.187	3.186	3.1	21.7
5 21	15 45.97	−17 18.2	2.161	3.172	1.0	21.5
5 31	15 37.82	−16 53.2	2.164	3.158	4.4	21.8
6 10	15 30.49	−16 31.6	2.195	3.144	7.9	22.0
6 20	15 24.64	−16 16.0	2.249	3.129	11.0	22.1

41709 2000 UH_{56} 5 19.8 156°.18 1°.5/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 13.89	−19 49.8	2.217	3.020	13.3	18.6
4 21	16 9.29	−18 50.0	2.133	3.026	10.4	18.4
5 1	16 2.65	−17 42.1	2.072	3.032	7.0	18.2
5 11	15 54.60	−16 28.8	2.037	3.037	3.4	18.0
5 21	15 45.92	−15 14.2	2.032	3.041	1.7	17.9
5 31	15 37.48	−14 3.0	2.055	3.045	5.0	18.1
6 10	15 30.12	−12 59.9	2.106	3.049	8.5	18.3
6 20	15 24.41	−12 8.3	2.182	3.052	11.7	18.5

136210 2003 WG_{30} 5 19.8 95°.46 1°.9/20.7 18

4 11	16 17.18	−25 46.9	1.603	2.411	17.3	20.4
4 21	16 12.84	−25 46.9	1.531	2.423	13.8	20.2
5 1	16 5.55	−25 35.3	1.479	2.434	9.7	20.0
5 11	15 56.13	−25 11.7	1.450	2.445	5.2	19.8
5 21	15 45.71	−24 37.4	1.446	2.456	1.9	19.6
5 31	15 35.64	−23 56.0	1.469	2.467	5.4	19.8
6 10	15 27.17	−23 13.2	1.518	2.478	9.7	20.1
6 20	15 21.11	−22 34.3	1.589	2.488	13.7	20.4

119488 2001 UK_{63} 5 19.8 238°.68 1°.5/19.1 18

4 11	16 15.47	−16 29.6	1.959	2.771	14.5	20.0
4 21	16 11.07	−16 21.6	1.864	2.761	11.5	19.8
5 1	16 4.22	−16 10.6	1.790	2.751	7.8	19.5
5 11	15 55.52	−15 57.7	1.741	2.741	3.9	19.3
5 21	15 45.78	−15 44.9	1.720	2.730	1.7	19.1
5 31	15 36.07	−15 34.6	1.726	2.719	5.4	19.3
6 10	15 27.43	−15 29.4	1.759	2.708	9.5	19.5
6 20	15 20.66	−15 31.4	1.815	2.696	13.1	19.7

479898 2014 HC_{33} 5 19.8 290°.34 1°.2/20.3 17

4 11	16 14.98	−21 57.4	2.337	3.132	13.0	21.4
4 21	16 10.41	−22 31.1	2.238	3.124	10.3	21.2
5 1	16 3.65	−23 1.2	2.162	3.116	7.2	21.0
5 11	15 55.21	−23 26.7	2.111	3.107	3.7	20.7
5 21	15 45.83	−23 47.1	2.089	3.099	1.3	20.5
5 31	15 36.41	−24 2.5	2.095	3.091	4.2	20.7
6 10	15 27.88	−24 14.6	2.129	3.083	7.8	20.9
6 20	15 20.98	−24 25.4	2.188	3.075	11.0	21.1

413233 2003 SB_{129} 5 19.8 172°.64 2°.4/20.9 17

4 11	16 17.53	−27 16.6	1.735	2.533	16.6	22.1
4 21	16 13.08	−27 15.5	1.650	2.535	13.4	21.9
5 1	16 5.74	−27 2.0	1.585	2.537	9.5	21.6
5 11	15 56.26	−26 35.3	1.545	2.538	5.3	21.4
5 21	15 45.70	−25 56.2	1.530	2.539	2.4	21.2
5 31	15 35.35	−25 8.1	1.542	2.539	5.3	21.4
6 10	15 26.46	−24 16.7	1.580	2.539	9.5	21.6
6 20	15 19.90	−23 28.0	1.642	2.539	13.4	21.9

168992 2001 CR_{39} 5 19.8 75°.75 5°.9/18.2 17

4 11	16 18.70	− 5 59.5	1.476	2.299	17.9	19.9
4 21	16 13.83	− 5 44.7	1.416	2.314	14.3	19.7
5 1	16 6.11	− 5 36.7	1.375	2.330	10.4	19.5
5 11	15 56.35	− 5 39.6	1.358	2.345	6.9	19.3
5 21	15 45.70	− 5 56.1	1.366	2.360	6.1	19.3
5 31	15 35.45	− 6 27.4	1.400	2.376	8.7	19.5
6 10	15 26.79	− 7 12.9	1.458	2.391	12.3	19.7
6 20	15 20.51	− 8 10.8	1.537	2.406	15.7	20.0

507331 2011 SC_{215} 5 19.8 164°.75 5°.4/14.5 17

4 11	16 9.74	− 2 52.3	3.046	3.841	10.2	22.9
4 21	16 5.44	− 1 31.5	2.970	3.846	8.3	22.8
5 1	15 59.78	− 0 13.4	2.919	3.851	6.6	22.7
5 11	15 53.17	+ 0 58.1	2.897	3.855	5.5	22.6
5 21	15 46.14	+ 1 59.1	2.902	3.858	5.7	22.6
5 31	15 39.24	+ 2 46.6	2.936	3.861	7.1	22.7
6 10	15 33.02	+ 3 19.0	2.996	3.864	8.9	22.8
6 20	15 27.90	+ 3 36.1	3.079	3.866	10.7	23.0

251873 1999 VM_{31} 5 19.8 177°.40 0°.1/19.8 17

4 11	16 18.46	−20 16.3	2.217	3.010	13.6	21.8
4 21	16 13.02	−20 14.9	2.126	3.013	10.7	21.6
5 1	16 5.32	−20 8.4	2.059	3.015	7.3	21.4
5 11	15 55.96	−19 57.0	2.017	3.016	3.5	21.2
5 21	15 45.75	−19 41.8	2.004	3.016	0.5	20.9
5 31	15 35.67	−19 24.9	2.021	3.016	4.5	21.2
6 10	15 26.66	−19 9.0	2.065	3.015	8.2	21.4
6 20	15 19.45	−18 57.1	2.134	3.013	11.6	21.6

242776 2005 YL_{20} 5 19.8 46°.57 2°.0/19.1 17

4 11	16 15.62	−16 43.7	1.223	2.066	19.7	20.5
4 21	16 12.23	−16 33.0	1.160	2.074	15.5	20.3
5 1	16 5.47	−16 17.9	1.115	2.083	10.5	20.0
5 11	15 56.19	−16 0.8	1.092	2.092	5.1	19.7
5 21	15 45.71	−15 44.6	1.092	2.102	2.2	19.6
5 31	15 35.62	−15 33.0	1.116	2.112	7.1	19.9
6 10	15 27.36	−15 29.7	1.163	2.122	12.1	20.2
6 20	15 21.88	−15 37.1	1.230	2.133	16.6	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
381949 2010 DS_{44}			5 19.8 101.°65		0.°8/20.2 17	
	h m	° ′			°	m
4 11	16 14.61	−23 25.6	2.086	2.886	14.1	21.8
4 21	16 10.07	−23 17.9	2.010	2.899	11.1	21.6
5 1	16 3.30	−23 2.3	1.956	2.912	7.6	21.4
5 11	15 54.96	−22 39.1	1.927	2.925	3.8	21.2
5 21	15 45.90	−22 10.0	1.926	2.938	0.8	21.0
5 31	15 37.11	−21 37.7	1.953	2.950	4.4	21.3
6 10	15 29.49	−21 6.0	2.006	2.962	8.1	21.5
6 20	15 23.69	−20 38.3	2.084	2.974	11.3	21.8
164272 2004 XM_{7}			5 19.8 244.°24		1.°1/20.2 17	
4 11	16 18.37	−22 53.7	1.726	2.532	16.4	20.7
4 21	16 13.96	−23 2.7	1.626	2.518	13.1	20.4
5 1	16 6.57	−23 3.9	1.547	2.504	9.2	20.2
5 11	15 56.80	−22 56.8	1.491	2.489	4.7	19.9
5 21	15 45.63	−22 41.3	1.461	2.473	1.2	19.6
5 31	15 34.38	−22 19.8	1.459	2.457	5.5	19.8
6 10	15 24.40	−21 56.3	1.482	2.440	10.2	20.0
6 20	15 16.71	−21 35.5	1.529	2.422	14.4	20.3
391394 2007 AW_{22}			5 19.8 160.°57		2.°8/21.9 17	
4 11	16 12.91	−31 19.3	2.760	3.525	11.9	21.7
4 21	16 8.38	−31 15.3	2.668	3.529	9.7	21.5
5 1	16 1.99	−31 0.7	2.598	3.533	7.1	21.3
5 11	15 54.31	−30 34.8	2.554	3.536	4.5	21.2
5 21	15 46.00	−29 58.4	2.538	3.539	2.8	21.1
5 31	15 37.86	−29 13.5	2.550	3.542	4.0	21.1
6 10	15 30.64	−28 23.6	2.591	3.544	6.6	21.3
6 20	15 24.89	−27 32.8	2.658	3.546	9.2	21.5
300981 2008 EU_{130}			5 19.8 117.°69		0.°8/19.3 17	
4 11	16 12.64	−18 6.4	2.779	3.575	11.1	22.2
4 21	16 7.88	−17 53.9	2.703	3.592	8.6	22.0
5 1	16 1.50	−17 38.0	2.651	3.608	5.8	21.9
5 11	15 54.02	−17 19.9	2.625	3.624	2.8	21.7
5 21	15 46.06	−17 1.0	2.629	3.640	1.0	21.6
5 31	15 38.29	−16 43.3	2.663	3.655	3.8	21.8
6 10	15 31.35	−16 28.7	2.724	3.670	6.7	22.0
6 20	15 25.74	−16 19.0	2.811	3.685	9.3	22.2
146953 2002 ER_{80}			5 19.8 168.°55		0.°1/19.7 18	
4 11	16 11.73	−20 35.1	2.850	3.643	10.9	21.4
4 21	16 7.26	−20 26.1	2.759	3.646	8.6	21.2
5 1	16 1.16	−20 12.4	2.692	3.648	5.8	21.0
5 11	15 53.90	−19 54.9	2.652	3.651	2.8	20.8
5 21	15 46.07	−19 34.6	2.641	3.653	0.4	20.6
5 31	15 38.36	−19 13.5	2.659	3.654	3.6	20.9
6 10	15 31.41	−18 53.9	2.706	3.656	6.5	21.1
6 20	15 25.74	−18 37.8	2.778	3.657	9.2	21.2
67506 2000 RL_{47}			5 19.8 161.°97		4.°0/21.7 18	
4 11	16 20.14	−30 22.5	1.837	2.619	16.4	19.9
4 21	16 15.10	−30 44.9	1.753	2.624	13.4	19.7
5 1	16 7.12	−30 54.7	1.689	2.629	9.9	19.5
5 11	15 56.95	−30 49.4	1.649	2.633	6.2	19.3
5 21	15 45.65	−30 28.2	1.634	2.636	4.0	19.1
5 31	15 34.56	−29 53.2	1.647	2.639	5.8	19.3
6 10	15 24.94	−29 9.5	1.687	2.642	9.4	19.5
6 20	15 17.69	−28 23.3	1.750	2.643	12.9	19.7
242728 2005 UC_{204}			5 19.8 270.°25		0.°5/19.5 18	
4 11	16 11.29	−19 45.7	2.476	3.279	12.1	21.8
4 21	16 7.34	−19 31.4	2.370	3.262	9.5	21.6
5 1	16 1.46	−19 11.8	2.286	3.245	6.5	21.3
5 11	15 54.14	−18 48.0	2.228	3.228	3.1	21.1
5 21	15 46.03	−18 21.6	2.199	3.211	0.7	20.9
5 31	15 37.92	−17 54.8	2.198	3.193	4.2	21.1
6 10	15 30.60	−17 30.6	2.224	3.175	7.7	21.3
6 20	15 24.72	−17 11.6	2.276	3.157	10.8	21.5
32014 Bida			5 19.8 284.°74		5.°6/21.7 18	
4 11	16 17.96	−31 0.2	1.490	2.289	18.8	18.5
4 21	16 14.73	−31 41.1	1.381	2.262	15.7	18.2
5 1	16 7.83	−32 9.8	1.291	2.234	12.0	17.9
5 11	15 57.72	−32 21.3	1.223	2.206	8.0	17.6
5 21	15 45.49	−32 11.7	1.177	2.178	5.6	17.4
5 31	15 32.81	−31 40.7	1.157	2.149	7.7	17.4
6 10	15 21.55	−30 53.4	1.160	2.120	12.2	17.6
6 20	15 13.19	−29 58.4	1.185	2.090	16.8	17.8
30905 1993 FC_{42}			5 19.8 328.°43		4.°0/21.7 18	
4 11	16 14.51	−30 21.7	2.116	2.898	14.5	18.0
4 21	16 10.43	−30 58.4	2.024	2.894	11.9	17.8
5 1	16 3.86	−31 25.3	1.953	2.890	8.9	17.6
5 11	15 55.38	−31 39.9	1.906	2.887	5.8	17.4
5 21	15 45.86	−31 41.0	1.885	2.884	4.0	17.2
5 31	15 36.39	−31 29.5	1.892	2.881	5.5	17.3
6 10	15 28.02	−31 8.5	1.925	2.878	8.5	17.5
6 20	15 21.60	−30 42.4	1.981	2.875	11.6	17.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
508482 2016 PT_{57}			5 19.8 40.°06		1.°0/19.4 17	
	h m	° ′			°	m
4 11	16 14.53	−16 13.4	2.147	2.955	13.5	20.7
4 21	16 10.03	−16 27.2	2.061	2.956	10.6	20.5
5 1	16 3.34	−16 39.8	1.998	2.958	7.2	20.3
5 11	15 55.05	−16 51.6	1.960	2.959	3.5	20.1
5 21	15 45.92	−17 3.5	1.950	2.961	1.2	19.9
5 31	15 36.89	−17 16.4	1.968	2.962	4.7	20.1
6 10	15 28.86	−17 31.7	2.013	2.964	8.4	20.4
6 20	15 22.53	−17 50.9	2.083	2.966	11.6	20.6
497348 2005 UV_{166}			5 19.8 15.°77		4.°5/21.1 17	
4 11	16 19.86	−27 51.8	1.698	2.492	17.1	21.5
4 21	16 15.29	−28 58.6	1.613	2.492	13.9	21.3
5 1	16 7.55	−29 58.0	1.549	2.493	10.3	21.1
5 11	15 57.30	−30 45.6	1.509	2.494	6.6	20.9
5 21	15 45.60	−31 18.3	1.494	2.494	4.5	20.8
5 31	15 33.90	−31 35.1	1.506	2.495	6.5	20.9
6 10	15 23.63	−31 38.8	1.543	2.496	10.2	21.1
6 20	15 15.88	−31 34.5	1.603	2.498	13.8	21.3
248362 2005 QQ_{161}			5 19.8 273.°24		6.°3/15.9 18	
4 11	16 10.78	− 2 15.4	2.335	3.141	12.6	20.9
4 21	16 6.89	− 1 27.9	2.243	3.126	10.4	20.7
5 1	16 1.12	− 0 45.2	2.174	3.111	8.1	20.5
5 11	15 53.97	− 0 11.4	2.130	3.097	6.5	20.4
5 21	15 46.08	+ 0 9.7	2.113	3.082	6.6	20.4
5 31	15 38.23	+ 0 15.1	2.122	3.066	8.3	20.4
6 10	15 31.18	+ 0 3.7	2.156	3.051	10.7	20.6
6 20	15 25.55	− 0 23.9	2.212	3.036	13.2	20.7
165979 2001 YR_{88}			5 19.8 353.°78		2.°9/18.9 18	
4 11	16 16.52	−13 16.6	1.353	2.189	18.5	19.5
4 21	16 12.81	−13 17.1	1.278	2.188	14.7	19.3
5 1	16 5.89	−13 18.1	1.221	2.187	10.1	19.0
5 11	15 56.47	−13 22.0	1.187	2.186	5.3	18.7
5 21	15 45.73	−13 30.7	1.177	2.186	3.2	18.6
5 31	15 35.15	−13 46.3	1.193	2.186	7.3	18.8
6 10	15 26.15	−14 10.6	1.231	2.186	12.1	19.1
6 20	15 19.75	−14 44.3	1.291	2.186	16.5	19.3
463225 2012 DW_{81}			5 19.8 51.°18		0.°3/19.9 16	
4 11	16 14.93	−22 2.9	1.396	2.224	18.4	21.6
4 21	16 11.35	−21 54.6	1.331	2.237	14.5	21.4
5 1	16 4.68	−21 36.9	1.285	2.249	9.9	21.1
5 11	15 55.78	−21 10.6	1.262	2.262	4.8	20.9
5 21	15 45.85	−20 38.2	1.264	2.276	0.7	20.6
5 31	15 36.32	−20 3.9	1.291	2.289	5.8	21.0
6 10	15 28.49	−19 32.9	1.342	2.303	10.6	21.3
6 20	15 23.20	−19 9.5	1.414	2.318	14.8	21.6
301783 2010 JB_{167}			5 19.8 265.°63		3.°1/17.7 17	
4 11	16 10.60	−14 12.8	2.188	3.004	13.0	21.6
4 21	16 6.90	−13 18.7	2.094	2.994	10.2	21.3
5 1	16 1.19	−12 20.2	2.023	2.983	7.1	21.1
5 11	15 54.02	−11 20.9	1.978	2.973	4.1	20.9
5 21	15 46.08	−10 24.5	1.960	2.962	3.4	20.8
5 31	15 38.24	− 9 35.4	1.970	2.951	6.1	21.0
6 10	15 31.31	− 8 57.1	2.007	2.941	9.4	21.2
6 20	15 25.94	− 8 32.0	2.067	2.930	12.5	21.4
72814 2001 GX_{8}			5 19.8 140.°65		0.°7/20.1 18	
4 11	16 14.51	−22 1.0	2.046	2.850	14.2	19.7
4 21	16 10.19	−22 7.7	1.960	2.852	11.3	19.5
5 1	16 3.54	−22 8.3	1.896	2.853	7.7	19.3
5 11	15 55.17	−22 2.7	1.857	2.855	3.8	19.1
5 21	15 45.93	−21 51.7	1.845	2.857	0.8	18.8
5 31	15 36.81	−21 37.3	1.861	2.859	4.5	19.1
6 10	15 28.81	−21 22.6	1.904	2.860	8.4	19.4
6 20	15 22.64	−21 10.5	1.971	2.862	11.8	19.6
436966 2012 TR_{172}			5 19.8 288.°50		2.°0/20.8 17	
4 11	16 13.69	−25 42.3	1.949	2.750	14.9	21.6
4 21	16 9.85	−25 50.5	1.856	2.744	12.0	21.4
5 1	16 3.48	−25 49.5	1.785	2.738	8.5	21.1
5 11	15 55.21	−25 38.6	1.737	2.732	4.6	20.9
5 21	15 45.92	−25 18.2	1.716	2.726	2.0	20.7
5 31	15 36.71	−24 50.6	1.722	2.720	4.8	20.9
6 10	15 28.65	−24 19.7	1.755	2.714	8.8	21.1
6 20	15 22.56	−23 49.8	1.811	2.708	12.4	21.3
364686 2007 TD_{424}			5 19.8 161.°31		4.°1/17.7 17	
4 11	16 15.37	−12 51.0	1.687	2.509	16.0	20.9
4 21	16 11.10	−11 57.3	1.610	2.513	12.6	20.7
5 1	16 4.24	−11 0.5	1.555	2.516	8.8	20.5
5 11	15 55.52	−10 5.0	1.525	2.519	5.2	20.3
5 21	15 45.90	− 9 15.7	1.521	2.522	4.4	20.2
5 31	15 36.52	− 8 37.4	1.543	2.524	7.5	20.4
6 10	15 28.46	− 8 13.7	1.590	2.525	11.3	20.6
6 20	15 22.49	− 8 6.1	1.659	2.527	14.9	20.8

351902 2006 SK_{262} 5 19.8 194.°06 0.°1/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 12.54	−20 21.8	2.430	3.230	12.4	22.2
4 21	16 8.25	−20 16.8	2.338	3.229	9.7	22.0
5 1	16 2.02	−20 6.9	2.270	3.228	6.6	21.8
5 11	15 54.39	−19 52.7	2.227	3.226	3.2	21.6
5 21	15 46.05	−19 35.5	2.213	3.225	0.5	21.4
5 31	15 37.80	−19 17.2	2.227	3.223	4.1	21.7
6 10	15 30.45	−19 0.6	2.269	3.221	7.5	21.9
6 20	15 24.60	−18 47.9	2.336	3.219	10.5	22.0

274817 2009 NC_{1} 5 19.8 259.°12 1.°6/20.7 18

4 11	16 16.51	−26 14.5	2.037	2.829	14.7	21.0
4 21	16 12.12	−26 1.2	1.923	2.806	11.9	20.8
5 1	16 5.12	−25 36.4	1.830	2.782	8.4	20.5
5 11	15 56.06	−24 59.6	1.762	2.757	4.5	20.2
5 21	15 45.81	−24 11.7	1.722	2.732	1.6	20.0
5 31	15 35.47	−23 15.7	1.709	2.706	4.9	20.1
6 10	15 26.20	−22 16.9	1.724	2.680	9.1	20.3
6 20	15 18.88	−21 20.9	1.762	2.652	13.0	20.5

377770 2005 YQ_{130} 5 19.8 170.°06 3.°1/18.3 17

4 11	16 14.85	−12 3.0	2.082	2.892	13.8	21.5
4 21	16 10.23	−11 40.9	1.999	2.895	10.9	21.3
5 1	16 3.45	−11 18.4	1.939	2.897	7.5	21.1
5 11	15 55.10	−10 58.1	1.904	2.899	4.3	20.9
5 21	15 45.97	−10 42.6	1.897	2.900	3.3	20.8
5 31	15 36.99	−10 34.3	1.918	2.901	6.0	21.0
6 10	15 29.06	−10 35.3	1.965	2.902	9.4	21.2
6 20	15 22.85	−10 46.3	2.036	2.902	12.5	21.4

309640 2008 CL_{182} 5 19.8 2.°68 0.°5/20.1 17

4 11	16 12.49	−21 19.9	2.146	2.952	13.6	20.7
4 21	16 8.53	−21 29.3	2.059	2.952	10.7	20.5
5 1	16 2.38	−21 33.6	1.994	2.952	7.4	20.3
5 11	15 54.63	−21 32.8	1.954	2.952	3.6	20.0
5 21	15 46.04	−21 27.5	1.941	2.953	0.6	19.8
5 31	15 37.56	−21 19.5	1.956	2.953	4.3	20.1
6 10	15 30.09	−21 11.3	1.997	2.954	8.0	20.3
6 20	15 24.32	−21 5.6	2.063	2.955	11.3	20.5

242667 2005 SH_{68} 5 19.8 166.°45 7.°8/24.8 18

4 11	16 22.51	−46 52.0	3.000	3.669	12.9	21.0
4 21	16 16.55	−48 1.1	2.909	3.673	11.5	20.8
5 1	16 7.98	−48 56.3	2.838	3.676	9.9	20.7
5 11	15 57.40	−49 33.5	2.790	3.679	8.6	20.6
5 21	15 45.66	−49 49.5	2.768	3.682	7.8	20.6
5 31	15 33.88	−49 43.8	2.772	3.684	7.9	20.6
6 10	15 23.21	−49 18.8	2.801	3.686	8.9	20.7
6 20	15 14.50	−48 39.2	2.854	3.687	10.3	20.8

238134 2003 QG_{66} 5 19.8 339.°05 8.°5/23.2 18

4 11	16 13.59	−37 16.0	1.525	2.310	19.1	19.5
4 21	16 11.15	−38 20.7	1.437	2.299	16.4	19.3
5 1	16 5.18	−39 8.9	1.368	2.289	13.2	19.1
5 11	15 56.33	−39 34.6	1.319	2.280	10.3	18.8
5 21	15 45.79	−39 33.5	1.293	2.272	8.5	18.7
5 31	15 35.22	−39 5.5	1.289	2.265	9.3	18.7
6 10	15 26.32	−38 15.8	1.309	2.259	12.0	18.9
6 20	15 20.31	−37 13.0	1.349	2.253	15.3	19.1

46305 2001 OW_{71} 5 19.8 240.°25 1.°5/20.9 18

4 11	16 10.33	−26 29.3	3.010	3.790	10.7	19.5
4 21	16 6.26	−26 27.7	2.907	3.783	8.5	19.3
5 1	16 0.56	−26 18.8	2.828	3.775	6.0	19.1
5 11	15 53.68	−26 2.7	2.775	3.767	3.4	18.9
5 21	15 46.18	−25 40.0	2.751	3.759	1.5	18.8
5 31	15 38.75	−25 12.3	2.755	3.751	3.4	18.9
6 10	15 32.03	−24 42.1	2.788	3.743	6.1	19.1
6 20	15 26.54	−24 12.2	2.847	3.734	8.7	19.2

25528 1999 XP_{126} 5 19.8 157.°19 1.°9/21.2 18

4 11	16 15.58	−28 16.6	2.659	3.431	12.2	19.2
4 21	16 10.43	−28 5.9	2.570	3.439	9.7	19.1
5 1	16 3.39	−27 45.6	2.504	3.447	6.9	18.9
5 11	15 55.01	−27 15.5	2.464	3.454	3.9	18.7
5 21	15 46.01	−26 36.5	2.453	3.460	1.9	18.6
5 31	15 37.22	−25 51.2	2.471	3.466	3.8	18.7
6 10	15 29.40	−25 3.1	2.518	3.471	6.8	18.9
6 20	15 23.13	−24 16.2	2.591	3.476	9.6	19.1

507116 2009 SY_{110} 5 19.8 267.°91 0.°7/19.4 17

4 11	16 15.11	−20 19.9	1.888	2.698	15.0	23.2
4 21	16 11.11	−19 54.6	1.778	2.675	12.0	22.9
5 1	16 4.50	−19 20.9	1.690	2.650	8.2	22.6
5 11	15 55.80	−18 40.0	1.626	2.626	4.0	22.3
5 21	15 45.88	−17 54.1	1.589	2.600	1.0	22.0
5 31	15 35.85	−17 7.3	1.579	2.574	5.5	22.3
6 10	15 26.87	−16 24.4	1.596	2.548	10.0	22.5
6 20	15 19.86	−15 49.9	1.636	2.521	14.1	22.7

472653 2015 DD_{218} 5 19.8 330.°64 5.°1/22.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 13.46	−33 19.2	1.741	2.529	17.0	20.2
4 21	16 10.22	−33 38.9	1.651	2.523	14.1	20.0
5 1	16 4.03	−33 43.0	1.580	2.516	10.7	19.8
5 11	15 55.58	−33 28.7	1.532	2.510	7.3	19.6
5 21	15 45.92	−32 55.2	1.508	2.505	5.1	19.4
5 31	15 36.38	−32 4.9	1.509	2.500	6.4	19.5
6 10	15 28.26	−31 3.6	1.536	2.495	9.8	19.7
6 20	15 22.51	−29 58.5	1.586	2.490	13.4	19.9

520300 2014 FA_{75} 5 19.8 321.°16 3.°5/21.2 16

4 11	16 16.45	−28 9.1	2.223	3.005	14.0	21.1
4 21	16 11.84	−28 58.9	2.130	3.002	11.3	20.9
5 1	16 4.79	−29 41.5	2.059	2.999	8.3	20.7
5 11	15 55.86	−30 14.6	2.012	2.997	5.3	20.5
5 21	15 45.88	−30 36.3	1.993	2.994	3.5	20.4
5 31	15 35.88	−30 46.6	2.002	2.992	5.2	20.5
6 10	15 26.91	−30 47.6	2.038	2.989	8.2	20.7
6 20	15 19.79	−30 42.8	2.098	2.987	11.3	20.9

208644 2002 EP_{108} 5 19.8 157.°93 4.°8/21.8 17

4 11	16 19.91	−30 48.0	1.634	2.424	17.8	20.8
4 21	16 15.39	−31 24.1	1.552	2.427	14.6	20.6
5 1	16 7.61	−31 47.2	1.490	2.430	10.9	20.4
5 11	15 57.32	−31 53.7	1.450	2.433	7.1	20.2
5 21	15 45.69	−31 41.9	1.435	2.435	4.8	20.0
5 31	15 34.24	−31 13.4	1.446	2.437	6.6	20.1
6 10	15 24.42	−30 33.6	1.482	2.439	10.3	20.3
6 20	15 17.23	−29 49.5	1.541	2.440	14.1	20.6

89372 2001 VE_{87} 5 19.8 21.°43 12.°5/15.4 17

4 11	16 15.91	+10 49.9	1.669	2.455	17.7	19.1
4 21	16 11.45	+11 45.3	1.609	2.457	15.6	18.9
5 1	16 4.44	+12 21.8	1.568	2.459	13.8	18.8
5 11	15 55.61	+12 32.1	1.547	2.461	12.6	18.8
5 21	15 45.94	+12 11.5	1.549	2.464	12.7	18.8
5 31	15 36.56	+11 18.5	1.573	2.467	14.0	18.8
6 10	15 28.52	+ 9 56.0	1.618	2.470	15.9	19.0
6 20	15 22.56	+ 8 9.8	1.683	2.473	18.0	19.1

204897 2007 UL_{19} 5 19.8 197.°04 0.°4/19.6 17

4 11	16 12.83	−20 11.3	2.256	3.060	13.1	21.4
4 21	16 8.62	−19 54.6	2.166	3.059	10.3	21.2
5 1	16 2.35	−19 31.9	2.098	3.057	7.0	21.0
5 11	15 54.59	−19 4.6	2.056	3.056	3.3	20.7
5 21	15 46.07	−18 34.3	2.042	3.054	0.7	20.5
5 31	15 37.68	−18 4.0	2.056	3.052	4.4	20.8
6 10	15 30.26	−17 36.6	2.098	3.049	8.0	21.0
6 20	15 24.46	−17 15.2	2.163	3.047	11.2	21.2

135438 2001 UY_{159} 5 19.8 30.°17 3.°0/19.1 18

4 11	16 15.39	−13 15.1	1.088	1.941	20.9	18.4
4 21	16 12.38	−13 23.4	1.031	1.950	16.5	18.1
5 1	16 5.76	−13 33.0	0.991	1.961	11.3	17.8
5 11	15 56.44	−13 46.4	0.972	1.973	5.8	17.6
5 21	15 45.83	−14 5.0	0.976	1.985	3.2	17.5
5 31	15 35.65	−14 30.4	1.003	1.998	7.7	17.8
6 10	15 27.45	−15 4.0	1.051	2.012	12.9	18.1
6 20	15 22.23	−15 45.7	1.119	2.027	17.4	18.4

19243 Bunting 5 19.8 178.°16 10.°4/24.4 18

4 11	16 31.79	−47 5.3	2.214	2.892	16.8	18.2
4 21	16 25.11	−48 41.1	2.125	2.895	15.0	18.1
5 1	16 14.60	−50 0.6	2.056	2.897	13.1	17.9
5 11	16 0.87	−50 55.9	2.008	2.898	11.4	17.8
5 21	15 45.20	−51 20.8	1.984	2.898	10.4	17.8
5 31	15 29.38	−51 13.1	1.986	2.897	10.6	17.8
6 10	15 15.28	−50 36.8	2.011	2.896	11.9	17.8
6 20	15 4.26	−49 39.7	2.060	2.893	13.7	18.0

31061 Tamao 5 19.8 235.°01 0.°6/19.4 18

4 11	16 12.00	−19 20.1	2.278	3.084	12.9	20.1
4 21	16 7.97	−19 4.5	2.186	3.080	10.1	19.9
5 1	16 1.92	−18 43.7	2.116	3.076	6.9	19.7
5 11	15 54.39	−18 19.0	2.073	3.072	3.3	19.4
5 21	15 46.11	−17 52.2	2.057	3.068	0.9	19.2
5 31	15 37.92	−17 25.8	2.069	3.064	4.4	19.5
6 10	15 30.67	−17 3.0	2.109	3.060	8.0	19.7
6 20	15 24.99	−16 46.1	2.172	3.055	11.2	19.9

111020 2001 VE_{11} 5 19.8 238.°11 3.°2/21.8 18

4 11	16 16.51	−31 23.5	2.085	2.862	14.9	19.5
4 21	16 12.02	−31 11.7	1.981	2.849	12.2	19.3
5 1	16 4.96	−30 45.3	1.897	2.837	9.0	19.1
5 11	15 55.94	−30 2.9	1.838	2.823	5.6	18.8
5 21	15 45.90	−29 5.1	1.806	2.810	3.2	18.6
5 31	15 35.94	−27 55.1	1.801	2.796	5.1	18.7
6 10	15 27.20	−26 38.8	1.824	2.781	8.7	18.9
6 20	15 20.47	−25 22.8	1.872	2.766	12.2	19.1

309837 2009 CC_{17} 5 19.8 38°.54 1°.8/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 14.33	−25 48.4	1.279	2.109	19.7	20.5
4 21	16 11.34	−25 38.7	1.212	2.116	15.7	20.3
5 1	16 4.95	−25 14.5	1.162	2.124	11.0	20.0
5 11	15 56.03	−24 35.7	1.134	2.132	5.8	19.8
5 21	15 45.90	−23 44.8	1.129	2.140	1.8	19.5
5 31	15 36.18	−22 47.5	1.149	2.149	6.1	19.8
6 10	15 28.31	−21 51.1	1.192	2.158	11.2	20.1
6 20	15 23.23	−21 2.4	1.256	2.168	15.6	20.4

411684 2011 YQ_{23} 5 19.8 126°.93 4°.0/21.8 17

4 11	16 18.35	−30 50.3	1.631	2.423	17.8	21.0
4 21	16 14.00	−31 0.8	1.552	2.430	14.5	20.8
5 1	16 6.53	−30 56.1	1.493	2.436	10.6	20.6
5 11	15 56.74	−30 34.0	1.456	2.442	6.6	20.4
5 21	15 45.81	−29 54.6	1.445	2.448	4.0	20.2
5 31	15 35.19	−29 1.2	1.460	2.454	6.0	20.3
6 10	15 26.22	−28 0.6	1.500	2.459	9.9	20.6
6 20	15 19.80	−26 59.9	1.563	2.464	13.7	20.8

262565 2006 VH_{30} 5 19.8 278°.55 0°.9/20.4 18

4 11	16 11.37	−24 48.7	2.256	3.054	13.2	20.4
4 21	16 7.59	−24 27.8	2.159	3.047	10.5	20.2
5 1	16 1.72	−23 57.4	2.085	3.040	7.3	19.9
5 11	15 54.32	−23 18.1	2.036	3.033	3.7	19.7
5 21	15 46.14	−22 31.8	2.015	3.026	0.9	19.5
5 31	15 38.07	−21 41.7	2.022	3.019	4.2	19.7
6 10	15 30.97	−20 51.9	2.056	3.012	7.8	19.9
6 20	15 25.52	−20 6.6	2.114	3.005	11.1	20.1

214429 2005 QT_{42} 5 19.8 297°.62 0°.5/20.1 18

4 11	16 12.04	−21 43.6	2.110	2.918	13.7	20.7
4 21	16 8.43	−21 44.8	2.003	2.897	10.9	20.5
5 1	16 2.51	−21 39.9	1.918	2.877	7.6	20.3
5 11	15 54.81	−21 29.0	1.857	2.856	3.7	20.0
5 21	15 46.07	−21 13.0	1.824	2.836	0.6	19.7
5 31	15 37.26	−20 53.9	1.818	2.815	4.6	19.9
6 10	15 29.37	−20 34.9	1.838	2.795	8.6	20.1
6 20	15 23.20	−20 19.2	1.883	2.775	12.2	20.3

83938 2001 VO_{93} 5 19.8 258°.50 4°.8/16.6 18

4 11	16 11.22	− 6 50.1	2.509	3.316	11.8	19.3
4 21	16 7.16	− 6 2.8	2.408	3.297	9.5	19.1
5 1	16 1.30	− 5 16.6	2.330	3.278	7.1	18.9
5 11	15 54.10	− 4 35.0	2.278	3.258	5.1	18.8
5 21	15 46.18	− 4 1.6	2.254	3.238	5.0	18.7
5 31	15 38.25	− 3 39.5	2.258	3.218	6.9	18.8
6 10	15 31.06	− 3 30.6	2.288	3.197	9.6	18.9
6 20	15 25.20	− 3 35.6	2.341	3.176	12.2	19.1

419454 2010 CX_{141} 5 19.8 121°.10 12°.8/12.9 15

4 11	16 15.05	+16 13.9	2.049	2.799	15.9	20.8
4 21	16 10.30	+17 26.8	1.997	2.805	14.5	20.7
5 1	16 3.41	+18 20.7	1.964	2.811	13.3	20.6
5 11	15 55.06	+18 48.8	1.952	2.816	12.8	20.6
5 21	15 46.07	+18 46.9	1.962	2.822	13.0	20.6
5 31	15 37.37	+18 13.6	1.994	2.827	14.0	20.7
6 10	15 29.82	+17 11.1	2.046	2.832	15.3	20.8
6 20	15 24.03	+15 44.0	2.116	2.837	16.8	20.9

465630 2009 HH_{82} 5 19.8 341°.94 2°.2/19.6 17

4 11	16 8.66	−12 24.3	0.984	1.854	21.2	19.7
4 21	16 8.00	−13 6.5	0.903	1.833	17.0	19.4
5 1	16 3.54	−13 57.2	0.840	1.814	11.9	19.0
5 11	15 55.79	−14 58.0	0.795	1.797	6.1	18.6
5 21	15 45.92	−16 8.8	0.771	1.782	2.4	18.4
5 31	15 35.74	−17 27.6	0.768	1.769	8.0	18.6
6 10	15 27.25	−18 52.2	0.785	1.758	14.2	18.9
6 20	15 21.97	−20 20.3	0.820	1.750	19.7	19.2

380185 2000 SD_{295} 5 19.8 230°.33 0°.3/20.0 18

4 11	16 15.15	−23 48.0	2.465	3.253	12.6	21.3
4 21	16 10.37	−23 15.3	2.356	3.238	10.0	21.1
5 1	16 3.55	−22 33.1	2.269	3.223	6.9	20.8
5 11	15 55.20	−21 42.3	2.210	3.208	3.4	20.6
5 21	15 46.05	−20 45.0	2.179	3.191	0.5	20.3
5 31	15 36.95	−19 44.5	2.178	3.174	4.2	20.6
6 10	15 28.76	−18 45.3	2.205	3.156	7.8	20.8
6 20	15 22.14	−17 51.5	2.259	3.137	11.0	20.9

122789 2000 SP_{91} 5 19.8 236°.04 6°.5/23.6 18

4 11	16 19.30	−39 10.2	2.229	2.966	15.2	20.7
4 21	16 14.45	−39 41.8	2.124	2.954	13.0	20.5
5 1	16 6.78	−39 58.0	2.038	2.941	10.5	20.4
5 11	15 56.91	−39 54.9	1.976	2.928	8.1	20.2
5 21	15 45.81	−39 30.2	1.939	2.914	6.6	20.1
5 31	15 34.73	−38 44.4	1.929	2.899	7.2	20.1
6 10	15 24.92	−37 42.2	1.945	2.884	9.3	20.2
6 20	15 17.31	−36 30.3	1.986	2.869	12.1	20.3

365093 2009 BJ_{130} 5 19.8 105°.66 4°.2/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 18.47	−11 16.5	1.607	2.427	16.8	21.3
4 21	16 13.47	−10 41.9	1.545	2.445	13.2	21.2
5 1	16 5.80	−10 7.7	1.504	2.463	9.2	21.0
5 11	15 56.26	− 9 37.5	1.487	2.480	5.5	20.8
5 21	15 45.93	− 9 15.1	1.496	2.497	4.4	20.8
5 31	15 36.02	− 9 3.8	1.532	2.513	7.4	21.0
6 10	15 27.60	− 9 5.5	1.592	2.529	11.2	21.2
6 20	15 21.41	− 9 20.6	1.675	2.544	14.6	21.5

428312 2007 GF_{3} 5 19.8 104°.40 5°.8/22.3 17

4 11	16 19.89	−33 35.1	1.865	2.636	16.6	21.1
4 21	16 15.06	−34 27.4	1.786	2.645	13.8	21.0
5 1	16 7.23	−35 6.7	1.727	2.654	10.6	20.8
5 11	15 57.11	−35 29.1	1.692	2.662	7.5	20.6
5 21	15 45.81	−35 32.2	1.681	2.671	5.8	20.5
5 31	15 34.68	−35 16.7	1.698	2.679	6.8	20.6
6 10	15 25.05	−34 47.0	1.740	2.687	9.7	20.8
6 20	15 17.83	−34 9.3	1.805	2.695	12.7	21.0

508720 2017 UY_{26} 5 19.8 126°.49 4°.9/16.3 17

4 11	16 11.73	− 7 29.3	2.372	3.180	12.4	22.5
4 21	16 7.40	− 6 23.3	2.301	3.192	9.9	22.4
5 1	16 1.32	− 5 18.5	2.254	3.203	7.3	22.2
5 11	15 54.05	− 4 19.2	2.234	3.214	5.3	22.1
5 21	15 46.25	− 3 29.4	2.242	3.224	5.2	22.1
5 31	15 38.66	− 2 52.3	2.277	3.234	7.1	22.3
6 10	15 32.00	− 2 30.1	2.338	3.244	9.5	22.4
6 20	15 26.76	− 2 23.0	2.422	3.253	12.0	22.6

52716 1998 FT_{120} 5 19.8 54°.38 0°.4/20.1 18

4 11	16 12.64	−21 54.9	2.047	2.854	14.1	19.1
4 21	16 8.65	−21 52.0	1.970	2.864	11.1	18.9
5 1	16 2.45	−21 42.5	1.916	2.875	7.6	18.7
5 11	15 54.67	−21 26.9	1.887	2.885	3.7	18.5
5 21	15 46.16	−21 6.8	1.884	2.896	0.6	18.3
5 31	15 37.87	−20 44.4	1.909	2.907	4.4	18.6
6 10	15 30.70	−20 23.2	1.961	2.918	8.1	18.9
6 20	15 25.31	−20 6.0	2.037	2.929	11.4	19.1

481943 2009 CH_{15} 5 19.8 226°.49 20°.6/ 8.9 17

4 11	16 18.92	+19 44.0	1.246	2.019	23.2	21.4
4 21	16 14.89	+22 3.1	1.199	2.014	21.8	21.3
5 1	16 7.37	+23 53.6	1.167	2.009	20.8	21.2
5 11	15 57.24	+25 1.2	1.152	2.003	20.6	21.1
5 21	15 45.82	+25 16.4	1.152	1.997	21.2	21.1
5 31	15 34.73	+24 35.5	1.169	1.990	22.4	21.2
6 10	15 25.47	+23 2.8	1.199	1.983	24.1	21.3
6 20	15 19.03	+20 47.6	1.243	1.976	25.9	21.4

72143 2000 YQ_{86} 5 19.8 140°.33 3°.2/18.3 18

4 11	16 17.71	−13 5.9	1.901	2.711	14.9	20.2
4 21	16 12.58	−12 32.5	1.828	2.723	11.7	20.0
5 1	16 5.09	−11 57.5	1.776	2.735	8.1	19.8
5 11	15 55.93	−11 23.8	1.751	2.746	4.5	19.6
5 21	15 46.01	−10 54.7	1.752	2.756	3.4	19.6
5 31	15 36.37	−10 33.5	1.782	2.765	6.4	19.8
6 10	15 27.98	−10 22.7	1.837	2.774	9.9	20.0
6 20	15 21.52	−10 23.5	1.916	2.782	13.2	20.2

522762 2016 NU_{75} 5 19.8 294°.73 0°.6/19.6 17

4 11	16 12.88	−19 41.8	1.902	2.717	14.7	22.0
4 21	16 9.13	−19 29.2	1.814	2.713	11.6	21.8
5 1	16 2.97	−19 10.6	1.746	2.708	7.9	21.5
5 11	15 55.02	−18 47.1	1.704	2.703	3.8	21.3
5 21	15 46.12	−18 20.8	1.687	2.699	0.9	21.0
5 31	15 37.33	−17 54.5	1.698	2.695	5.0	21.3
6 10	15 29.67	−17 32.0	1.735	2.690	9.1	21.6
6 20	15 23.89	−17 16.2	1.796	2.686	12.8	21.8

33150 1998 DN_{10} 5 19.8 295°.50 9°.0/14.5 18

4 11	16 10.97	− 1 16.0	1.713	2.536	15.8	17.4
4 21	16 7.84	+ 0 6.7	1.625	2.516	13.2	17.2
5 1	16 2.23	+ 1 25.0	1.558	2.496	10.7	17.0
5 11	15 54.73	+ 2 31.5	1.515	2.476	9.1	16.9
5 21	15 46.16	+ 3 19.2	1.495	2.457	9.5	16.9
5 31	15 37.58	+ 3 42.5	1.500	2.437	11.6	16.9
6 10	15 30.07	+ 3 39.2	1.526	2.418	14.5	17.1
6 20	15 24.46	+ 3 10.3	1.572	2.399	17.5	17.2

306310 2011 SX_{77} 5 19.8 208°.08 4°.3/16.0 18

4 11	16 10.12	− 6 54.6	2.969	3.769	10.3	21.6
4 21	16 5.92	− 5 52.8	2.878	3.763	8.3	21.4
5 1	16 0.25	− 4 51.4	2.812	3.757	6.2	21.3
5 11	15 53.55	− 3 54.1	2.773	3.749	4.6	21.2
5 21	15 46.34	− 3 4.0	2.763	3.742	4.6	21.2
5 31	15 39.21	− 2 24.2	2.781	3.734	6.2	21.3
6 10	15 32.74	− 1 56.7	2.827	3.725	8.4	21.4
6 20	15 27.40	− 1 42.2	2.896	3.716	10.5	21.5

140156 2001 SH_{168} 5 19.8 188°.69 3°.8/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 15.51	−31 48.3	2.480	3.245	13.1	20.3
4 21	16 10.84	−32 14.9	2.385	3.244	10.8	20.1
5 1	16 3.97	−32 31.5	2.313	3.243	8.1	19.9
5 11	15 55.46	−32 35.9	2.266	3.242	5.4	19.8
5 21	15 46.08	−32 27.6	2.245	3.241	3.8	19.7
5 31	15 36.78	−32 7.5	2.253	3.240	5.0	19.7
6 10	15 28.47	−31 38.7	2.288	3.238	7.6	19.9
6 20	15 21.87	−31 5.5	2.349	3.236	10.3	20.1

71197 1999 XE_{234} 5 19.8 173°.34 3°.3/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 12.75	−12 23.3	2.190	3.002	13.1	20.2
4 21	16 8.50	−11 40.9	2.107	3.004	10.3	20.0
5 1	16 2.26	−10 56.8	2.047	3.005	7.2	19.8
5 11	15 54.58	−10 14.1	2.013	3.006	4.3	19.6
5 21	15 46.21	− 9 36.2	2.006	3.007	3.6	19.5
5 31	15 38.00	− 9 6.6	2.028	3.007	6.1	19.7
6 10	15 30.77	− 8 47.6	2.076	3.008	9.2	19.9
6 20	15 25.12	− 8 40.7	2.147	3.007	12.2	20.1

17177 1999 TA_{41} 5 19.8 248°.29 5°.1/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 9.22	− 7 6.9	2.554	3.364	11.6	18.5
4 21	16 5.48	− 5 44.0	2.467	3.357	9.3	18.3
5 1	16 0.08	− 4 20.8	2.404	3.350	7.0	18.1
5 11	15 53.52	− 3 1.7	2.367	3.343	5.3	18.0
5 21	15 46.37	− 1 51.5	2.359	3.335	5.5	18.0
5 31	15 39.32	− 0 54.3	2.379	3.327	7.3	18.1
6 10	15 33.04	− 0 12.8	2.425	3.320	9.7	18.3
6 20	15 28.03	+ 0 12.0	2.493	3.312	12.0	18.4

196697 2003 SY_{76} 5 19.8 299°.57 1°.5/19.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 12.24	−17 45.4	1.800	2.622	15.2	20.8
4 21	16 8.79	−17 22.9	1.709	2.612	12.0	20.6
5 1	16 2.84	−16 54.8	1.639	2.603	8.2	20.3
5 11	15 55.01	−16 23.3	1.594	2.594	4.0	20.0
5 21	15 46.16	−15 50.9	1.574	2.585	1.8	19.9
5 31	15 37.38	−15 21.4	1.582	2.576	5.7	20.1
6 10	15 29.74	−14 58.5	1.615	2.567	9.9	20.3
6 20	15 24.04	−14 45.1	1.670	2.559	13.7	20.5

438597 2007 VV_{75} 5 19.8 206°.25 0°.5/19.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 13.30	−19 13.6	2.332	3.134	12.7	22.1
4 21	16 8.97	−19 4.8	2.239	3.132	10.0	21.9
5 1	16 2.62	−18 51.5	2.170	3.129	6.8	21.7
5 11	15 54.79	−18 34.5	2.126	3.125	3.3	21.4
5 21	15 46.20	−18 15.3	2.110	3.122	0.8	21.2
5 31	15 37.70	−17 56.1	2.123	3.118	4.3	21.5
6 10	15 30.12	−17 39.6	2.163	3.114	7.9	21.7
6 20	15 24.11	−17 28.2	2.228	3.110	11.0	21.9

416418 2003 UZ_{194} 5 19.9 234°.63 0°.6/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 17.43	−22 57.6	1.923	2.724	15.1	22.2
4 21	16 12.88	−22 48.9	1.821	2.711	12.1	22.0
5 1	16 5.68	−22 31.6	1.741	2.697	8.4	21.7
5 11	15 56.41	−22 5.6	1.685	2.683	4.2	21.5
5 21	15 45.99	−21 32.2	1.656	2.668	0.7	21.2
5 31	15 35.56	−20 54.3	1.655	2.652	5.0	21.4
6 10	15 26.27	−20 16.5	1.680	2.635	9.4	21.7
6 20	15 19.02	−19 43.3	1.730	2.618	13.3	21.9

370997 2005 TS_{56} 5 19.9 191°.78 3°.1/21.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 18.39	−29 36.9	2.334	3.104	13.7	22.9
4 21	16 13.18	−29 53.1	2.237	3.103	11.1	22.7
5 1	16 5.61	−29 59.2	2.162	3.100	8.2	22.5
5 11	15 56.28	−29 53.6	2.113	3.097	5.1	22.3
5 21	15 46.02	−29 35.9	2.091	3.094	3.1	22.2
5 31	15 35.84	−29 7.6	2.098	3.089	4.8	22.3
6 10	15 26.74	−28 32.3	2.132	3.084	7.9	22.4
6 20	15 19.48	−27 54.6	2.192	3.079	11.0	22.6

491556 2012 PB_{31} 5 19.9 252°.60 5°.6/23.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 17.81	−36 44.4	2.267	3.016	14.6	21.6
4 21	16 13.19	−37 6.9	2.156	2.998	12.4	21.4
5 1	16 5.90	−37 15.3	2.066	2.980	9.8	21.2
5 11	15 56.54	−37 6.1	1.999	2.961	7.2	21.0
5 21	15 45.98	−36 37.7	1.958	2.942	5.6	20.9
5 31	15 35.39	−35 51.0	1.944	2.923	6.4	20.9
6 10	15 25.95	−34 50.4	1.957	2.902	8.9	21.0
6 20	15 18.54	−33 42.1	1.994	2.882	11.9	21.1

420018 2011 CC_{76} 5 19.9 57°.18 9°.4/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 14.85	+ 1 27.6	1.572	2.388	17.3	20.0
4 21	16 10.57	+ 2 25.3	1.524	2.408	14.3	19.8
5 1	16 3.79	+ 3 11.0	1.496	2.427	11.6	19.7
5 11	15 55.32	+ 3 38.2	1.490	2.447	9.7	19.6
5 21	15 46.18	+ 3 42.6	1.508	2.468	9.6	19.7
5 31	15 37.48	+ 3 22.3	1.550	2.488	11.3	19.8
6 10	15 30.22	+ 2 38.8	1.615	2.509	13.7	20.0
6 20	15 25.04	+ 1 35.9	1.700	2.529	16.3	20.2

478241 2011 UK_{344} 5 19.9 221°.24 1°.8/18.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 10.78	−16 46.9	2.544	3.350	11.7	21.4
4 21	16 6.77	−16 3.5	2.450	3.344	9.2	21.2
5 1	16 1.01	−15 15.3	2.379	3.339	6.2	21.0
5 11	15 53.99	−14 24.7	2.335	3.333	3.2	20.8
5 21	15 46.34	−13 34.6	2.320	3.327	2.0	20.7
5 31	15 38.81	−12 48.4	2.333	3.321	4.7	20.9
6 10	15 32.08	−12 9.1	2.374	3.314	7.8	21.0
6 20	15 26.72	−11 39.2	2.440	3.307	10.7	21.2

58613 1997 UN_{7} 5 19.9 237°.00 1°.4/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 15.02	−17 24.9	1.935	2.747	14.6	20.1
4 21	16 10.80	−17 7.8	1.841	2.739	11.6	19.9
5 1	16 4.14	−16 46.2	1.768	2.729	7.9	19.7
5 11	15 55.63	−16 21.6	1.721	2.720	3.9	19.4
5 21	15 46.12	−15 56.2	1.700	2.710	1.7	19.2
5 31	15 36.65	−15 33.1	1.707	2.700	5.4	19.5
6 10	15 28.28	−15 15.6	1.740	2.689	9.5	19.7
6 20	15 21.78	−15 6.3	1.796	2.679	13.2	19.9

230888 2004 SD_{10} 5 19.9 214°.66 2°.4/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 15.16	−13 48.4	2.278	3.083	13.0	21.4
4 21	16 10.45	−13 29.5	2.183	3.076	10.2	21.2
5 1	16 3.66	−13 8.9	2.110	3.068	7.0	21.0
5 11	15 55.33	−12 48.8	2.063	3.060	3.8	20.8
5 21	15 46.17	−12 31.1	2.045	3.051	2.6	20.7
5 31	15 37.07	−12 18.4	2.055	3.041	5.4	20.8
6 10	15 28.87	−12 12.9	2.092	3.031	8.8	21.0
6 20	15 22.27	−12 16.0	2.154	3.021	11.9	21.2

205751 2002 CX_{19} 5 19.9 192°.68 5°.0/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 22.24	−33 28.0	1.992	2.754	16.0	20.5
4 21	16 16.81	−33 58.2	1.897	2.752	13.3	20.3
5 1	16 8.43	−34 15.1	1.823	2.750	10.1	20.1
5 11	15 57.76	−34 15.2	1.773	2.747	7.0	19.9
5 21	15 45.85	−33 56.7	1.749	2.743	5.1	19.7
5 31	15 34.03	−33 20.8	1.753	2.738	6.3	19.8
6 10	15 23.60	−32 32.4	1.783	2.732	9.4	20.0
6 20	15 15.52	−31 38.2	1.837	2.725	12.7	20.1

297555 2001 QR_{271} 5 19.9 230°.23 0°.6/20.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 19.62	−21 39.9	1.732	2.538	16.4	21.3
4 21	16 14.95	−21 45.2	1.634	2.526	13.1	21.0
5 1	16 7.30	−21 43.7	1.556	2.514	9.1	20.8
5 11	15 57.30	−21 34.8	1.503	2.501	4.5	20.5
5 21	15 45.94	−21 19.2	1.476	2.488	0.7	20.2
5 31	15 34.52	−20 59.1	1.476	2.474	5.5	20.5
6 10	15 24.38	−20 38.5	1.503	2.459	10.2	20.7
6 20	15 16.52	−20 21.7	1.552	2.443	14.4	20.9

281714 2008 WH_{108} 5 19.9 265°.73 1°.7/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 14.05	−25 49.8	2.008	2.806	14.7	21.3
4 21	16 10.15	−25 46.9	1.908	2.795	11.8	21.1
5 1	16 3.77	−25 34.1	1.830	2.783	8.3	20.8
5 11	15 55.50	−25 10.9	1.776	2.770	4.5	20.6
5 21	15 46.19	−24 38.1	1.748	2.758	1.7	20.3
5 31	15 36.91	−23 58.4	1.748	2.746	4.7	20.5
6 10	15 28.73	−23 16.2	1.775	2.733	8.7	20.7
6 20	15 22.46	−22 36.2	1.825	2.721	12.4	20.9

319451 2006 KC_{75} 5 19.9 247°.88 7°.0/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 12.37	− 1 5.8	2.308	3.109	12.9	21.0
4 21	16 8.22	− 0 4.4	2.216	3.094	10.7	20.9
5 1	16 2.13	+ 0 52.3	2.147	3.079	8.6	20.7
5 11	15 54.61	+ 1 39.5	2.103	3.063	7.1	20.6
5 21	15 46.32	+ 2 12.6	2.086	3.046	7.3	20.5
5 31	15 38.05	+ 2 28.3	2.095	3.030	9.0	20.6
6 10	15 30.61	+ 2 25.1	2.129	3.012	11.3	20.7
6 20	15 24.63	+ 2 3.6	2.185	2.995	13.8	20.9

393001 2012 XL_{120} 5 19.9 125°.43 3°.2/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 12.63	−10 2.8	2.448	3.254	12.1	21.0
4 21	16 8.20	− 9 48.4	2.367	3.259	9.6	20.9
5 1	16 1.97	− 9 35.4	2.310	3.264	6.7	20.7
5 11	15 54.47	− 9 26.0	2.278	3.269	4.1	20.5
5 21	15 46.35	− 9 22.1	2.275	3.274	3.3	20.5
5 31	15 38.37	− 9 25.5	2.300	3.279	5.5	20.6
6 10	15 31.25	− 9 37.1	2.351	3.283	8.3	20.8
6 20	15 25.54	− 9 57.3	2.428	3.288	11.0	21.0

229084 2004 NL_{11} 5 19.9 265°.76 4°.0/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 11	16 15.02	−10 14.3	1.930	2.745	14.6	20.6
4 21	16 10.84	− 9 51.5	1.831	2.728	11.6	20.4
5 1	16 4.23	− 9 29.5	1.753	2.710	8.3	20.2
5 11	15 55.74	− 9 11.3	1.700	2.692	5.1	19.9
5 21	15 46.17	− 9 0.0	1.673	2.673	4.2	19.8
5 31	15 36.54	− 8 58.4	1.674	2.655	7.0	20.0
6 10	15 27.89	− 9 8.6	1.700	2.636	10.7	20.1
6 20	15 21.07	− 9 31.2	1.749	2.616	14.2	20.3

366518 2002 PB_{187} 5 19.9 278.°45 1.°7/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 15.73	−16 34.2	1.653	2.475	16.3	21.5
4 21	16 12.01	−16 25.7	1.551	2.454	13.0	21.3
5 1	16 5.40	−16 13.5	1.470	2.433	9.0	21.0
5 11	15 56.44	−15 59.0	1.411	2.411	4.5	20.7
5 21	15 46.07	−15 44.5	1.379	2.389	2.0	20.4
5 31	15 35.53	−15 32.7	1.373	2.367	6.3	20.6
6 10	15 26.14	−15 27.3	1.392	2.345	11.1	20.9
6 20	15 18.95	−15 30.7	1.433	2.323	15.4	21.1

240474 2004 BT_{62} 5 19.9 140.°06 0.°7/19.5 18

4 11	16 13.36	−18 52.1	2.150	2.957	13.5	20.9
4 21	16 9.16	−18 43.2	2.065	2.960	10.6	20.7
5 1	16 2.83	−18 29.8	2.002	2.962	7.2	20.5
5 11	15 54.95	−18 12.9	1.965	2.964	3.4	20.3
5 21	15 46.29	−17 54.2	1.955	2.966	0.9	20.1
5 31	15 37.78	−17 36.0	1.973	2.968	4.6	20.3
6 10	15 30.28	−17 21.2	2.018	2.970	8.3	20.6
6 20	15 24.46	−17 12.0	2.087	2.972	11.5	20.8

499218 2009 UC_{57} 5 19.9 195.°05 1.°6/20.6 17

4 11	16 17.40	−24 33.9	2.129	2.919	14.2	22.8
4 21	16 12.55	−24 48.2	2.035	2.918	11.3	22.6
5 1	16 5.28	−24 55.3	1.964	2.915	8.0	22.4
5 11	15 56.19	−24 54.1	1.918	2.913	4.3	22.1
5 21	15 46.13	−24 44.7	1.899	2.909	1.7	21.9
5 31	15 36.14	−24 28.9	1.909	2.906	4.6	22.1
6 10	15 27.24	−24 9.6	1.946	2.902	8.3	22.3
6 20	15 20.22	−23 50.7	2.008	2.897	11.7	22.5

308407 2005 SM_{85} 5 19.9 306.°42 3.°5/17.5 16

4 11	16 9.55	−12 36.2	2.157	2.977	13.1	20.9
4 21	16 6.16	−11 44.8	2.067	2.969	10.3	20.7
5 1	16 0.79	−10 50.7	2.000	2.960	7.2	20.5
5 11	15 53.98	− 9 57.5	1.959	2.952	4.4	20.3
5 21	15 46.43	− 9 8.9	1.944	2.944	3.8	20.2
5 31	15 38.97	− 8 29.1	1.957	2.936	6.3	20.4
6 10	15 32.42	− 8 1.0	1.996	2.928	9.5	20.6
6 20	15 27.41	− 7 46.4	2.058	2.921	12.6	20.7

410249 2007 TX_{80} 5 19.9 141.°55 1.°1/19.3 16

4 11	16 18.09	−19 0.2	1.853	2.660	15.4	22.9
4 21	16 13.08	−18 35.4	1.777	2.671	12.1	22.7
5 1	16 5.57	−18 4.4	1.722	2.682	8.2	22.5
5 11	15 56.27	−17 28.8	1.692	2.692	3.9	22.3
5 21	15 46.15	−16 51.4	1.690	2.701	1.3	22.1
5 31	15 36.30	−16 15.9	1.716	2.710	5.3	22.4
6 10	15 27.78	−15 46.2	1.768	2.717	9.4	22.6
6 20	15 21.31	−15 25.2	1.843	2.725	13.0	22.9

520047 2013 VV_{29} 5 19.9 146.°38 1.°5/19.0 17

4 11	16 14.50	−17 3.9	2.260	3.064	13.1	22.6
4 21	16 9.84	−16 40.1	2.178	3.072	10.2	22.4
5 1	16 3.16	−16 12.3	2.120	3.079	6.9	22.2
5 11	15 55.07	−15 42.4	2.088	3.087	3.4	22.0
5 21	15 46.30	−15 12.7	2.084	3.093	1.7	21.9
5 31	15 37.73	−14 46.0	2.109	3.100	4.8	22.1
6 10	15 30.16	−14 25.0	2.160	3.106	8.2	22.3
6 20	15 24.21	−14 11.8	2.237	3.111	11.3	22.5

64664 2001 XL_{61} 5 19.9 61.°37 0.°3/19.7 17

4 11	16 12.98	−19 51.3	2.104	2.912	13.7	19.7
4 21	16 8.80	−19 45.6	2.032	2.927	10.7	19.5
5 1	16 2.52	−19 34.7	1.983	2.943	7.3	19.4
5 11	15 54.76	−19 19.9	1.959	2.959	3.5	19.2
5 21	15 46.34	−19 2.5	1.963	2.975	0.6	18.9
5 31	15 38.17	−18 44.9	1.994	2.991	4.4	19.3
6 10	15 31.10	−18 30.0	2.052	3.006	8.0	19.5
6 20	15 25.73	−18 20.0	2.134	3.022	11.2	19.7

414450 2009 FJ_{73} 5 19.9 59.°68 0.°9/19.5 17

4 11	16 15.77	−19 39.9	1.355	2.188	18.7	21.0
4 21	16 12.08	−19 20.4	1.292	2.201	14.6	20.8
5 1	16 5.28	−18 53.1	1.249	2.215	9.9	20.6
5 11	15 56.22	−18 20.0	1.228	2.228	4.7	20.3
5 21	15 46.16	−17 44.3	1.231	2.242	1.3	20.1
5 31	15 36.52	−17 10.8	1.260	2.257	6.2	20.5
6 10	15 28.60	−16 44.2	1.312	2.271	11.1	20.8
6 20	15 23.25	−16 28.1	1.386	2.286	15.2	21.0

431003 2005 YJ_{26} 5 19.9 200.°26 2.°0/21.0 17

4 11	16 16.79	−27 9.8	2.397	3.175	13.1	22.8
4 21	16 11.81	−27 8.7	2.298	3.171	10.6	22.6
5 1	16 4.63	−26 58.1	2.221	3.167	7.5	22.4
5 11	15 55.84	−26 37.6	2.170	3.161	4.2	22.2
5 21	15 46.20	−26 7.6	2.147	3.155	2.0	22.0
5 31	15 36.65	−25 30.3	2.153	3.148	4.2	22.1
6 10	15 28.10	−24 49.5	2.187	3.141	7.6	22.3
6 20	15 21.25	−24 9.2	2.246	3.133	10.7	22.5

10035 1982 DC_2 5 19.9 71.°02 3.°8/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 16.39	−14 16.3	1.320	2.157	18.8	18.0
4 21	16 12.45	−13 30.9	1.263	2.174	14.7	17.8
5 1	16 5.44	−12 42.2	1.225	2.190	10.1	17.6
5 11	15 56.27	−11 54.7	1.209	2.207	5.5	17.4
5 21	15 46.16	−11 13.7	1.218	2.223	4.1	17.3
5 31	15 36.55	−10 44.0	1.251	2.240	7.8	17.6
6 10	15 28.68	−10 29.1	1.308	2.256	12.2	17.9
6 20	15 23.35	−10 30.2	1.386	2.272	16.1	18.2

115305 2003 SR_{209} 5 19.9 66.°79 4.°8/21.8 17

4 11	16 17.96	−30 31.3	1.498	2.298	18.7	19.8
4 21	16 14.14	−31 3.9	1.420	2.302	15.3	19.6
5 1	16 6.95	−31 22.4	1.362	2.306	11.4	19.4
5 11	15 57.17	−31 23.5	1.325	2.310	7.3	19.2
5 21	15 46.03	−31 5.8	1.313	2.314	4.8	19.0
5 31	15 35.12	−30 31.6	1.325	2.319	6.7	19.1
6 10	15 25.94	−29 46.8	1.363	2.323	10.6	19.4
6 20	15 19.50	−28 59.1	1.422	2.327	14.6	19.6

10169 Ogasawara 5 19.9 64.°87 5.°4/16.8 18

4 11	16 11.68	− 7 39.4	1.915	2.736	14.4	17.8
4 21	16 7.85	− 6 42.5	1.849	2.747	11.5	17.6
5 1	16 1.90	− 5 47.7	1.805	2.758	8.4	17.5
5 11	15 54.48	− 4 59.6	1.786	2.769	5.9	17.3
5 21	15 46.40	− 4 22.6	1.793	2.780	5.7	17.3
5 31	15 38.58	− 4 0.3	1.826	2.792	7.9	17.5
6 10	15 31.87	− 3 54.2	1.884	2.803	10.8	17.7
6 20	15 26.88	− 4 4.2	1.964	2.814	13.6	17.9

161545 Ferrando 5 19.9 356.°55 6.°1/15.1 18

4 11	16 6.86	−21 35.9	1.023	1.887	21.1	18.4
4 21	16 5.96	−18 22.1	0.953	1.882	16.5	18.1
5 1	16 1.53	−14 36.0	0.903	1.878	11.2	17.7
5 11	15 54.55	−10 32.2	0.876	1.875	6.8	17.5
5 21	15 46.39	− 6 32.4	0.875	1.874	7.3	17.5
5 31	15 38.68	− 3 0.1	0.899	1.874	12.2	17.8
6 10	15 32.87	− 0 11.9	0.944	1.876	17.3	18.1
6 20	15 29.81	+ 1 46.5	1.007	1.880	21.8	18.3

65764 1994 TH_{15} 5 19.9 224.°58 1.°9/18.4 18

4 11	16 13.54	−15 46.0	2.804	3.599	11.0	20.4
4 21	16 8.82	−15 5.9	2.697	3.585	8.7	20.2
5 1	16 2.39	−14 21.9	2.614	3.571	5.9	20.0
5 11	15 54.71	−13 35.8	2.559	3.556	3.1	19.8
5 21	15 46.37	−12 50.2	2.533	3.539	2.1	19.7
5 31	15 38.06	−12 8.2	2.538	3.523	4.6	19.9
6 10	15 30.48	−11 32.5	2.570	3.505	7.6	20.0
6 20	15 24.17	−11 5.4	2.629	3.487	10.3	20.2

509338 2006 XV_{41} 5 19.9 161.°55 3.°2/18.0 18

4 11	16 11.74	−10 19.6	2.545	3.352	11.7	21.8
4 21	16 7.47	− 9 59.3	2.461	3.354	9.2	21.6
5 1	16 1.47	− 9 39.9	2.400	3.355	6.5	21.4
5 11	15 54.26	− 9 23.6	2.366	3.357	4.0	21.3
5 21	15 46.44	− 9 12.5	2.360	3.359	3.3	21.2
5 31	15 38.73	− 9 8.6	2.382	3.360	5.4	21.4
6 10	15 31.83	− 9 13.1	2.431	3.361	8.1	21.5
6 20	15 26.28	− 9 26.7	2.504	3.362	10.8	21.7

49283 1998 UG_{29} 5 19.9 353.°01 5.°4/17.4 18

4 11	16 11.60	−10 53.6	1.442	2.282	17.3	18.1
4 21	16 8.70	− 9 57.9	1.368	2.280	13.8	17.9
5 1	16 2.98	− 9 0.8	1.315	2.278	9.8	17.6
5 11	15 55.17	− 8 7.9	1.284	2.276	6.3	17.4
5 21	15 46.32	− 7 24.8	1.277	2.275	5.7	17.4
5 31	15 37.66	− 6 56.9	1.295	2.275	8.7	17.5
6 10	15 30.40	− 6 47.4	1.336	2.275	12.7	17.8
6 20	15 25.38	− 6 56.9	1.397	2.275	16.5	18.0

125158 2001 UY_{91} 5 19.9 45.°93 4.°4/18.6 18

4 11	16 16.08	−11 47.4	1.158	2.006	20.2	19.1
4 21	16 12.64	−11 26.8	1.104	2.019	15.9	18.9
5 1	16 5.80	−11 7.5	1.067	2.034	11.1	18.7
5 11	15 56.53	−10 53.4	1.052	2.049	6.3	18.5
5 21	15 46.16	−10 48.3	1.060	2.065	4.6	18.4
5 31	15 36.28	−10 55.2	1.091	2.081	8.3	18.7
6 10	15 28.30	−11 15.6	1.145	2.098	13.0	19.0
6 20	15 23.11	−11 49.3	1.218	2.115	17.2	19.3

288244 2003 YY_{100} 5 19.9 132.°95 1.°8/19.0 18

4 11	16 17.61	−16 42.5	1.894	2.703	15.0	21.4
4 21	16 12.62	−16 20.8	1.820	2.716	11.8	21.2
5 1	16 5.22	−15 55.2	1.767	2.727	8.0	21.0
5 11	15 56.11	−15 27.5	1.740	2.739	4.0	20.8
5 21	15 46.21	−15 0.4	1.740	2.750	2.0	20.6
5 31	15 36.59	−14 36.9	1.768	2.760	5.5	20.9
6 10	15 28.24	−14 20.2	1.823	2.769	9.4	21.1
6 20	15 21.85	−14 12.4	1.901	2.778	12.8	21.4

403288 2009 BC_{64} 5 19.9 137°.88 5°.5/22.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 20.83	−32 44.2	1.603	2.387	18.4	21.6
4 21	16 16.26	−33 18.6	1.524	2.393	15.2	21.3
5 1	16 8.33	−33 38.0	1.464	2.399	11.5	21.1
5 11	15 57.82	−33 38.3	1.427	2.405	7.8	20.9
5 21	15 45.99	−33 17.7	1.414	2.410	5.5	20.8
5 31	15 34.41	−32 38.4	1.427	2.415	6.9	20.9
6 10	15 24.57	−31 46.6	1.465	2.420	10.5	21.1
6 20	15 17.49	−30 50.0	1.525	2.425	14.1	21.3

65511 4243 *P–L* 5 19.9 347°.67 2°.1/18.5 18

4 11	16 10.67	−17 15.4	2.041	2.859	13.8	18.7
4 21	16 7.15	−16 28.7	1.956	2.858	10.8	18.5
5 1	16 1.51	−15 36.1	1.894	2.857	7.3	18.3
5 11	15 54.35	−14 40.5	1.857	2.856	3.7	18.1
5 21	15 46.45	−13 45.5	1.847	2.855	2.3	18.0
5 31	15 38.70	−12 55.6	1.865	2.854	5.5	18.2
6 10	15 31.99	−12 14.6	1.908	2.854	9.1	18.4
6 20	15 26.96	−11 45.1	1.975	2.853	12.4	18.6

523096 2016 RD_{48} 5 19.9 329°.68 2°.5/18.9 16

4 11	16 14.60	−11 34.1	2.178	2.987	13.3	20.8
4 21	16 10.12	−11 42.6	2.090	2.984	10.5	20.6
5 1	16 3.51	−11 53.1	2.024	2.982	7.3	20.4
5 11	15 55.33	−12 6.9	1.984	2.979	4.0	20.2
5 21	15 46.32	−12 25.0	1.971	2.977	2.7	20.1
5 31	15 37.37	−12 48.5	1.987	2.975	5.4	20.3
6 10	15 29.36	−13 17.9	2.030	2.973	8.8	20.5
6 20	15 22.98	−13 53.6	2.097	2.971	11.9	20.7

154844 2004 RU_{44} 5 19.9 186°.99 3°.1/21.9 18

4 11	16 13.65	−30 53.6	2.752	3.517	11.9	21.0
4 21	16 9.15	−31 10.8	2.656	3.517	9.7	20.8
5 1	16 2.74	−31 18.8	2.583	3.516	7.2	20.6
5 11	15 54.92	−31 16.4	2.535	3.515	4.7	20.5
5 21	15 46.38	−31 3.3	2.515	3.514	3.1	20.3
5 31	15 37.91	−30 40.8	2.524	3.513	4.3	20.4
6 10	15 30.32	−30 11.7	2.560	3.512	6.8	20.6
6 20	15 24.20	−29 39.4	2.623	3.510	9.4	20.7

35923 1999 JX_{103} 5 19.9 316°.53 10°.7/14.4 18

4 11	16 10.83	+ 2 21.1	1.569	2.391	17.0	18.9
4 21	16 7.94	+ 3 39.8	1.490	2.376	14.5	18.7
5 1	16 2.45	+ 4 49.3	1.432	2.361	12.2	18.5
5 11	15 54.95	+ 5 41.2	1.395	2.346	10.8	18.4
5 21	15 46.37	+ 6 8.3	1.381	2.331	11.1	18.3
5 31	15 37.83	+ 6 5.8	1.389	2.318	13.0	18.4
6 10	15 30.48	+ 5 33.3	1.418	2.304	15.8	18.5
6 20	15 25.16	+ 4 33.4	1.466	2.292	18.6	18.7

405793 2006 AU_{80} 5 19.9 238°.55 3°.2/18.5 14 C

4 11	16 19.13	−13 33.1	1.835	2.644	15.4	22.9
4 21	16 14.30	−13 5.0	1.731	2.627	12.3	22.6
5 1	16 6.75	−12 34.1	1.650	2.608	8.6	22.4
5 11	15 57.06	−12 3.2	1.593	2.589	4.8	22.1
5 21	15 46.10	−11 35.3	1.563	2.568	3.4	22.0
5 31	15 35.04	−11 14.2	1.561	2.547	6.8	22.1
6 10	15 25.08	−11 3.2	1.585	2.525	11.0	22.3
6 20	15 17.15	−11 4.3	1.632	2.501	15.0	22.5

23140 2000 AW_{154} 5 19.9 278°.26 0°.5/20.2 18

4 11	16 12.07	−21 43.4	2.441	3.240	12.4	18.6
4 21	16 8.07	−21 47.3	2.342	3.231	9.8	18.4
5 1	16 2.09	−21 46.0	2.265	3.222	6.7	18.2
5 11	15 54.65	−21 39.7	2.215	3.213	3.3	18.0
5 21	15 46.41	−21 29.1	2.192	3.204	0.6	17.7
5 31	15 38.20	−21 15.8	2.198	3.195	4.0	18.0
6 10	15 30.83	−21 2.4	2.231	3.186	7.4	18.2
6 20	15 24.95	−20 51.4	2.289	3.177	10.5	18.4

478578 2012 TF_{86} 5 19.9 261°.76 1°.4/20.6 17

4 11	16 14.35	−24 9.1	2.051	2.851	14.3	21.4
4 21	16 10.30	−24 16.9	1.956	2.844	11.5	21.2
5 1	16 3.84	−24 17.2	1.883	2.837	8.0	21.0
5 11	15 55.56	−24 9.3	1.834	2.830	4.2	20.8
5 21	15 46.30	−23 53.9	1.813	2.823	1.4	20.5
5 31	15 37.08	−23 32.8	1.819	2.816	4.6	20.7
6 10	15 28.93	−23 9.5	1.851	2.809	8.5	21.0
6 20	15 22.63	−22 47.8	1.908	2.802	12.0	21.2

304519 2006 UC_{218} 5 19.9 88°.46 2°.1/21.1 17

4 11	16 13.80	−26 45.3	2.298	3.086	13.4	21.1
4 21	16 9.47	−26 53.4	2.216	3.095	10.7	21.0
5 1	16 3.03	−26 52.9	2.156	3.104	7.6	20.8
5 11	15 55.07	−26 43.1	2.122	3.113	4.3	20.6
5 21	15 46.39	−26 24.7	2.114	3.122	2.1	20.4
5 31	15 37.88	−25 59.5	2.135	3.131	4.2	20.6
6 10	15 30.42	−25 31.0	2.184	3.140	7.4	20.8
6 20	15 24.65	−25 2.6	2.257	3.149	10.5	21.0

507830 2014 EP_{10} 5 19.9 1°.26 0°.5/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 12.22	−18 53.3	1.989	2.804	14.2	21.2
4 21	16 8.53	−18 54.3	1.904	2.803	11.2	21.0
5 1	16 2.56	−18 51.2	1.841	2.803	7.6	20.8
5 11	15 54.92	−18 44.7	1.803	2.803	3.6	20.6
5 21	15 46.41	−18 36.2	1.791	2.803	0.7	20.3
5 31	15 38.01	−18 27.7	1.807	2.804	4.7	20.6
6 10	15 30.67	−18 21.7	1.849	2.805	8.6	20.9
6 20	15 25.11	−18 20.7	1.915	2.806	12.1	21.1

236588 2006 HV_{120} 5 19.9 354°.37 2°.8/18.5 17

4 11	16 12.05	−14 23.3	1.832	2.656	14.9	21.0
4 21	16 8.48	−13 53.7	1.751	2.655	11.7	20.8
5 1	16 2.57	−13 21.4	1.691	2.654	8.0	20.5
5 11	15 54.92	−12 49.3	1.656	2.653	4.3	20.3
5 21	15 46.41	−12 20.6	1.647	2.653	3.0	20.2
5 31	15 38.04	−11 58.7	1.664	2.653	6.2	20.4
6 10	15 30.81	−11 46.5	1.707	2.653	10.0	20.6
6 20	15 25.44	−11 45.7	1.773	2.653	13.4	20.8

501759 2014 UW_{161} 5 19.9 108°.62 1°.0/19.4 17

4 11	16 16.77	−19 49.4	1.734	2.548	16.0	21.7
4 21	16 12.18	−19 18.8	1.664	2.562	12.5	21.5
5 1	16 5.03	−18 40.9	1.615	2.576	8.5	21.3
5 11	15 56.05	−17 57.5	1.590	2.590	4.0	21.0
5 21	15 46.28	−17 12.1	1.592	2.603	1.3	20.9
5 31	15 36.85	−16 28.8	1.621	2.616	5.4	21.2
6 10	15 28.83	−15 52.1	1.676	2.629	9.6	21.5
6 20	15 22.93	−15 25.3	1.755	2.641	13.3	21.7

449496 2014 FS_{57} 5 19.9 343°.34 9°.7/23.8 16

4 11	16 14.88	−41 18.8	1.792	2.545	17.8	20.1
4 21	16 12.03	−42 43.3	1.702	2.534	15.6	19.9
5 1	16 5.82	−43 52.3	1.630	2.523	13.2	19.7
5 11	15 56.83	−44 39.3	1.579	2.514	11.0	19.6
5 21	15 46.14	−44 59.2	1.550	2.505	9.8	19.5
5 31	15 35.30	−44 50.4	1.545	2.498	10.2	19.5
6 10	15 25.96	−44 16.7	1.563	2.491	12.0	19.6
6 20	15 19.32	−43 25.2	1.602	2.485	14.5	19.7

500112 2012 BL_{105} 5 19.9 63°.16 5°.4/17.9 17

4 11	16 15.93	− 8 27.4	1.472	2.302	17.5	21.0
4 21	16 11.93	− 7 58.0	1.405	2.309	14.0	20.8
5 1	16 5.09	− 7 31.9	1.358	2.316	10.0	20.5
5 11	15 56.17	− 7 13.6	1.333	2.323	6.5	20.4
5 21	15 46.26	− 7 7.0	1.334	2.331	5.7	20.3
5 31	15 36.63	− 7 14.9	1.359	2.338	8.5	20.5
6 10	15 28.48	− 7 38.3	1.408	2.346	12.3	20.7
6 20	15 22.64	− 8 16.3	1.479	2.353	15.9	21.0

216824 2006 VZ_{56} 5 19.9 126°.60 0°.6/19.5 17

4 11	16 11.36	−20 57.6	2.382	3.185	12.5	20.9
4 21	16 7.37	−20 22.4	2.296	3.188	9.8	20.8
5 1	16 1.50	−19 40.0	2.233	3.192	6.6	20.6
5 11	15 54.31	−18 52.4	2.196	3.195	3.2	20.3
5 21	15 46.50	−18 2.2	2.187	3.199	0.8	20.2
5 31	15 38.86	−17 12.6	2.207	3.202	4.2	20.4
6 10	15 32.16	−16 27.4	2.255	3.206	7.6	20.6
6 20	15 26.95	−15 49.6	2.327	3.209	10.6	20.8

191809 2004 TO_{263} 5 19.9 41°.82 1°.1/20.4 17

4 11	16 14.19	−23 58.5	1.839	2.647	15.5	20.4
4 21	16 10.33	−23 53.8	1.755	2.648	12.3	20.2
5 1	16 3.92	−23 40.0	1.691	2.648	8.5	19.9
5 11	15 55.60	−23 17.2	1.652	2.649	4.4	19.7
5 21	15 46.33	−22 46.7	1.639	2.650	1.1	19.5
5 31	15 37.23	−22 11.7	1.653	2.651	4.8	19.7
6 10	15 29.37	−21 36.5	1.693	2.652	9.0	20.0
6 20	15 23.55	−21 5.4	1.756	2.653	12.7	20.2

56923 2000 RB_{19} 5 19.9 330°.85 5°.3/23.0 18

4 11	16 13.50	−35 26.8	2.047	2.816	15.4	18.8
4 21	16 9.92	−35 46.9	1.954	2.810	12.9	18.6
5 1	16 3.73	−35 52.0	1.880	2.805	10.0	18.4
5 11	15 55.55	−35 39.6	1.830	2.800	7.2	18.2
5 21	15 46.33	−35 8.8	1.805	2.795	5.4	18.1
5 31	15 37.23	−34 21.4	1.806	2.790	6.2	18.1
6 10	15 29.37	−33 22.3	1.833	2.786	8.9	18.2
6 20	15 23.59	−32 17.8	1.884	2.782	11.9	18.4

249474 2009 KB_{21} 5 19.9 295°.24 2°.6/18.9 18

4 11	16 14.75	−11 42.9	2.256	3.062	13.0	20.2
4 21	16 10.42	−11 48.6	2.143	3.036	10.4	19.9
5 1	16 3.90	−11 56.1	2.052	3.009	7.3	19.7
5 11	15 55.64	−12 6.9	1.986	2.982	4.0	19.4
5 21	15 46.33	−12 22.2	1.949	2.955	2.7	19.3
5 31	15 36.84	−12 43.3	1.940	2.927	5.5	19.4
6 10	15 28.11	−13 11.2	1.958	2.900	9.1	19.6
6 20	15 20.93	−13 46.4	2.001	2.873	12.5	19.7

414056 2007 RW_{270} 5 19.9 315°.70 2°.4/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 10.76	−19 19.8	1.264	2.110	18.9	20.8
4 21	16 8.76	−18 26.9	1.179	2.096	15.0	20.5
5 1	16 3.49	−17 21.3	1.113	2.082	10.3	20.2
5 11	15 55.63	−16 6.5	1.068	2.069	5.1	19.8
5 21	15 46.33	−14 48.7	1.047	2.057	2.7	19.7
5 31	15 37.10	−13 35.8	1.049	2.044	7.6	19.9
6 10	15 29.43	−12 36.0	1.074	2.033	13.0	20.2
6 20	15 24.39	−11 54.7	1.119	2.022	17.8	20.4

248865 2006 UL_{53} 5 19.9 300°.84 2°.4/21.2 17

4 11	16 12.77	−27 23.0	2.110	2.904	14.2	20.7
4 21	16 9.06	−27 29.2	2.014	2.896	11.5	20.5
5 1	16 3.01	−27 25.4	1.939	2.888	8.2	20.3
5 11	15 55.18	−27 10.9	1.889	2.880	4.7	20.1
5 21	15 46.41	−26 46.0	1.865	2.872	2.4	19.9
5 31	15 37.69	−26 13.1	1.868	2.865	4.6	20.0
6 10	15 30.03	−25 35.8	1.898	2.857	8.2	20.2
6 20	15 24.18	−24 58.8	1.952	2.850	11.6	20.4

260457 2005 AQ_{43} 5 19.9 121°.13 2°.0/20.8 17

4 11	16 18.22	−26 1.6	1.623	2.427	17.3	21.0
4 21	16 13.82	−26 2.9	1.546	2.436	13.8	20.8
5 1	16 6.43	−25 52.6	1.490	2.444	9.7	20.5
5 11	15 56.85	−25 30.1	1.457	2.452	5.3	20.3
5 21	15 46.21	−24 56.3	1.450	2.459	2.0	20.1
5 31	15 35.85	−24 14.8	1.469	2.467	5.4	20.3
6 10	15 27.06	−23 31.1	1.513	2.474	9.8	20.6
6 20	15 20.70	−22 50.8	1.581	2.481	13.7	20.9

182942 2002 GM_{67} 5 19.9 102°.11 4°.0/21.9 18

4 11	16 17.90	−31 19.2	2.564	3.323	12.9	20.4
4 21	16 12.67	−32 9.5	2.479	3.334	10.6	20.3
5 1	16 5.25	−32 51.2	2.417	3.344	8.0	20.1
5 11	15 56.20	−33 21.9	2.380	3.354	5.4	20.0
5 21	15 46.29	−33 39.8	2.372	3.364	4.0	19.9
5 31	15 36.45	−33 45.3	2.392	3.374	5.1	20.0
6 10	15 27.60	−33 40.6	2.439	3.384	7.4	20.1
6 20	15 20.44	−33 29.2	2.512	3.393	9.9	20.3

255673 2006 QQ_{43} 5 19.9 241°.89 1°.1/19.4 18

4 11	16 16.54	−18 32.1	1.895	2.704	15.0	21.3
4 21	16 12.19	−18 14.4	1.794	2.690	11.9	21.0
5 1	16 5.26	−17 50.9	1.715	2.676	8.2	20.8
5 11	15 56.33	−17 22.8	1.661	2.661	4.0	20.5
5 21	15 46.26	−16 52.3	1.634	2.645	1.4	20.3
5 31	15 36.17	−16 22.8	1.635	2.629	5.5	20.5
6 10	15 27.18	−15 58.1	1.661	2.612	9.8	20.7
6 20	15 20.15	−15 41.4	1.712	2.595	13.7	20.9

505438 2013 SF_{29} 5 19.9 204°.54 3°.8/17.2 17

4 11	16 14.13	−11 43.7	2.388	3.193	12.4	22.8
4 21	16 9.50	−10 41.5	2.296	3.187	9.8	22.6
5 1	16 2.96	− 9 36.6	2.227	3.181	7.0	22.4
5 11	15 55.05	− 8 32.5	2.185	3.174	4.4	22.2
5 21	15 46.44	− 7 33.4	2.171	3.166	4.0	22.2
5 31	15 37.94	− 6 43.4	2.186	3.158	6.3	22.3
6 10	15 30.32	− 6 5.5	2.229	3.149	9.3	22.4
6 20	15 24.18	− 5 41.5	2.295	3.139	12.1	22.6

11465 Fulvio 5 19.9 219°.04 8°.0/13.4 18

4 11	16 9.54	+ 2 13.0	2.374	3.173	12.6	18.2
4 21	16 5.87	+ 3 40.5	2.302	3.172	10.7	18.1
5 1	16 0.46	+ 5 1.5	2.254	3.170	9.0	18.0
5 11	15 53.82	+ 6 10.1	2.231	3.169	8.1	17.9
5 21	15 46.60	+ 7 1.6	2.233	3.167	8.4	17.9
5 31	15 39.51	+ 7 32.7	2.261	3.165	9.8	18.0
6 10	15 33.24	+ 7 42.1	2.312	3.164	11.7	18.1
6 20	15 28.34	+ 7 30.8	2.384	3.162	13.7	18.3

204273 2004 FP_{130} 5 19.9 64°.29 4°.6/17.8 18

4 11	16 14.67	− 8 13.0	1.965	2.779	14.4	20.1
4 21	16 9.97	− 7 39.9	1.913	2.808	11.3	20.0
5 1	16 3.21	− 7 9.7	1.883	2.836	8.1	19.8
5 11	15 55.09	− 6 46.1	1.878	2.865	5.3	19.7
5 21	15 46.46	− 6 31.8	1.900	2.893	4.8	19.7
5 31	15 38.21	− 6 29.0	1.949	2.921	6.9	19.9
6 10	15 31.15	− 6 38.6	2.023	2.949	9.8	20.1
6 20	15 25.84	− 7 0.0	2.121	2.977	12.5	20.3

196187 2002 YB_{32} 5 19.9 183°.70 0°.6/19.6 18

4 11	16 19.33	−19 54.8	1.697	2.506	16.5	21.2
4 21	16 14.53	−19 39.4	1.612	2.507	13.0	21.0
5 1	16 6.88	−19 16.9	1.547	2.507	8.9	20.7
5 11	15 57.09	−18 48.4	1.507	2.507	4.3	20.5
5 21	15 46.19	−18 16.0	1.494	2.506	0.9	20.2
5 31	15 35.46	−17 43.3	1.508	2.504	5.6	20.5
6 10	15 26.12	−17 14.8	1.548	2.501	10.2	20.8
6 20	15 19.05	−16 54.3	1.611	2.498	14.2	21.0

171818 2001 FH_5 5 19.9 39°.24 1°.0/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 15.15	−22 40.4	1.348	2.178	18.9	20.0
4 21	16 11.86	−22 45.3	1.281	2.186	15.0	19.8
5 1	16 5.33	−22 40.8	1.232	2.195	10.3	19.5
5 11	15 56.39	−22 26.9	1.206	2.205	5.2	19.3
5 21	15 46.28	−22 5.1	1.203	2.215	1.1	19.0
5 31	15 36.51	−21 38.9	1.225	2.225	5.9	19.3
6 10	15 28.46	−21 13.5	1.271	2.236	10.8	19.6
6 20	15 23.04	−20 53.5	1.339	2.247	15.1	19.9

72536 2001 DM_{102} 5 19.9 308°.44 3°.8/21.1 18

4 11	16 15.52	−27 8.7	1.742	2.544	16.4	18.4
4 21	16 12.04	−27 55.0	1.640	2.526	13.4	18.2
5 1	16 5.57	−28 33.8	1.559	2.508	9.8	17.9
5 11	15 56.66	−29 2.4	1.502	2.491	6.1	17.6
5 21	15 46.22	−29 18.3	1.469	2.473	3.8	17.5
5 31	15 35.58	−29 21.4	1.462	2.456	6.0	17.6
6 10	15 26.13	−29 14.6	1.481	2.440	10.1	17.7
6 20	15 18.96	−29 2.5	1.522	2.424	14.0	17.9

332528 2008 NE_5 5 19.9 314°.77 6°.6/17.5 17

4 11	16 12.66	− 5 54.5	1.517	2.350	17.0	20.0
4 21	16 9.67	− 5 23.8	1.426	2.330	13.8	19.7
5 1	16 3.85	− 4 57.9	1.354	2.310	10.4	19.4
5 11	15 55.77	− 4 42.2	1.305	2.290	7.4	19.2
5 21	15 46.35	− 4 41.4	1.280	2.271	6.9	19.1
5 31	15 36.85	− 4 58.9	1.279	2.253	9.5	19.2
6 10	15 28.52	− 5 35.9	1.301	2.235	13.4	19.4
6 20	15 22.38	− 6 31.3	1.344	2.218	17.3	19.6

214775 2006 UL_{71} 5 19.9 194°.55 0°.8/19.4 17

4 11	16 12.41	−18 33.2	2.332	3.137	12.7	21.5
4 21	16 8.30	−18 20.5	2.243	3.137	9.9	21.3
5 1	16 2.23	−18 3.4	2.177	3.136	6.7	21.1
5 11	15 54.73	−17 43.2	2.136	3.135	3.2	20.9
5 21	15 46.51	−17 21.7	2.123	3.134	1.0	20.7
5 31	15 38.39	−17 1.1	2.139	3.133	4.4	20.9
6 10	15 31.19	−16 44.1	2.182	3.132	7.8	21.1
6 20	15 25.51	−16 32.9	2.249	3.131	10.9	21.3

229188 2004 TF_{221} 5 19.9 116°.50 1°.2/19.3 18

4 11	16 17.61	−16 13.0	2.222	3.021	13.4	20.8
4 21	16 12.26	−16 13.2	2.149	3.039	10.5	20.6
5 1	16 4.83	−16 11.4	2.098	3.056	7.1	20.5
5 11	15 55.93	−16 8.4	2.074	3.073	3.5	20.3
5 21	15 46.37	−16 5.4	2.079	3.089	1.4	20.1
5 31	15 37.05	−16 4.2	2.112	3.105	4.6	20.4
6 10	15 28.82	−16 6.5	2.173	3.120	8.1	20.6
6 20	15 22.29	−16 13.9	2.259	3.134	11.1	20.8

100249 1994 RW_{13} 5 19.9 155°.16 3°.2/17.4 18

4 11	16 10.60	−10 29.3	2.882	3.684	10.6	21.3
4 21	16 6.35	− 9 43.8	2.800	3.690	8.3	21.1
5 1	16 0.62	− 8 57.9	2.743	3.696	5.9	21.0
5 11	15 53.86	− 8 14.4	2.714	3.702	3.8	20.9
5 21	15 46.63	− 7 36.1	2.713	3.707	3.4	20.8
5 31	15 39.55	− 7 5.4	2.741	3.712	5.2	21.0
6 10	15 33.18	− 6 44.2	2.797	3.717	7.6	21.1
6 20	15 27.99	− 6 33.5	2.877	3.721	9.9	21.3

333902 1999 RX_{124} 5 19.9 256°.69 2°.9/21.3 17

4 11	16 15.58	−28 9.3	1.989	2.780	15.1	21.6
4 21	16 11.49	−28 24.7	1.892	2.771	12.2	21.4
5 1	16 4.81	−28 29.8	1.816	2.762	8.9	21.2
5 11	15 56.13	−28 23.0	1.764	2.753	5.3	21.0
5 21	15 46.34	−28 4.0	1.738	2.744	2.9	20.8
5 31	15 36.58	−27 34.7	1.740	2.735	5.1	20.9
6 10	15 27.97	−26 59.1	1.768	2.726	8.8	21.1
6 20	15 21.38	−26 22.2	1.820	2.716	12.3	21.3

435604 2008 SC_{59} 5 19.9 156°.91 1°.6/18.9 17

4 11	16 14.29	−16 36.4	2.420	3.221	12.4	22.3
4 21	16 9.58	−16 12.1	2.336	3.227	9.7	22.1
5 1	16 2.99	−15 44.3	2.275	3.233	6.6	21.9
5 11	15 55.07	−15 14.7	2.241	3.239	3.3	21.7
5 21	15 46.50	−14 45.7	2.235	3.244	1.7	21.6
5 31	15 38.11	−14 19.7	2.259	3.249	4.6	21.8
6 10	15 30.63	−13 59.4	2.310	3.253	7.8	22.0
6 20	15 24.66	−13 46.6	2.386	3.257	10.8	22.2

216640 2003 GN_{42} 5 19.9 9°.37 9°.2/16.4 17

4 11	16 11.46	+ 3 13.1	1.754	2.566	15.9	19.5
4 21	16 7.96	+ 3 54.3	1.689	2.568	13.4	19.4
5 1	16 2.18	+ 4 23.1	1.645	2.571	11.1	19.2
5 11	15 54.75	+ 4 33.9	1.623	2.575	9.5	19.1
5 21	15 46.54	+ 4 22.7	1.625	2.580	9.4	19.1
5 31	15 38.56	+ 3 47.8	1.650	2.585	10.9	19.2
6 10	15 31.74	+ 2 50.7	1.699	2.591	13.3	19.4
6 20	15 26.75	+ 1 34.7	1.768	2.598	15.7	19.6

21681 1999 RN_{32} 5 19.9 224°.54 3°.4/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 10.24	−11 0.8	2.607	3.415	11.4	18.8
4 21	16 6.34	−10 17.1	2.516	3.410	9.0	18.7
5 1	16 0.77	− 9 32.5	2.449	3.404	6.4	18.5
5 11	15 54.00	− 8 49.9	2.409	3.399	4.0	18.3
5 21	15 46.64	− 8 12.2	2.397	3.393	3.6	18.3
5 31	15 39.36	− 7 42.4	2.413	3.387	5.6	18.4
6 10	15 32.84	− 7 22.7	2.456	3.381	8.3	18.6
6 20	15 27.59	− 7 14.2	2.523	3.375	10.9	18.7

58319 1994 PZ_{37} 5 19.9 209°.19 6°.0/15.2 18

4 11	16 10.36	− 1 14.7	2.727	3.524	11.2	20.0
4 21	16 6.30	− 0 15.8	2.644	3.519	9.3	19.9
5 1	16 0.68	+ 0 38.8	2.585	3.514	7.4	19.7
5 11	15 53.94	+ 1 24.9	2.551	3.509	6.1	19.6
5 21	15 46.65	+ 1 59.1	2.545	3.503	6.3	19.6
5 31	15 39.45	+ 2 18.8	2.566	3.497	7.7	19.7
6 10	15 32.96	+ 2 22.7	2.613	3.491	9.7	19.8
6 20	15 27.68	+ 2 11.2	2.682	3.485	11.7	20.0

255931 2006 SW_{400} 5 19.9 51°.85 0°.5/19.7 17

4 11	16 14.88	−20 33.0	1.444	2.273	17.9	20.9
4 21	16 11.31	−20 17.3	1.378	2.284	14.1	20.7
5 1	16 4.77	−19 53.5	1.331	2.296	9.6	20.5
5 11	15 56.07	−19 23.0	1.307	2.308	4.6	20.2
5 21	15 46.39	−18 48.8	1.308	2.320	0.8	19.9
5 31	15 37.07	−18 15.1	1.335	2.333	5.8	20.3
6 10	15 29.35	−17 46.7	1.385	2.345	10.5	20.6
6 20	15 24.05	−17 27.3	1.458	2.359	14.6	20.9

266316 2007 CT_{52} 5 19.9 108°.99 4°.1/21.8 18

4 11	16 22.36	−30 18.4	2.046	2.816	15.4	21.1
4 21	16 16.52	−30 59.5	1.974	2.837	12.5	21.0
5 1	16 8.01	−31 29.9	1.923	2.857	9.2	20.8
5 11	15 57.57	−31 46.7	1.897	2.877	6.0	20.7
5 21	15 46.21	−31 48.6	1.898	2.897	4.1	20.6
5 31	15 35.13	−31 36.9	1.927	2.915	5.5	20.7
6 10	15 25.46	−31 15.4	1.984	2.934	8.5	20.9
6 20	15 17.98	−30 49.0	2.065	2.951	11.5	21.1

333102 2011 UZ_{298} 5 19.9 344°.55 1°.3/19.3 17

4 11	16 8.92	−20 33.5	1.090	1.948	20.5	19.6
4 21	16 7.76	−19 59.3	1.016	1.939	16.3	19.2
5 1	16 3.02	−19 12.1	0.960	1.932	11.1	18.9
5 11	15 55.50	−18 15.1	0.923	1.925	5.4	18.6
5 21	15 46.45	−17 13.2	0.908	1.920	1.7	18.3
5 31	15 37.57	−16 14.1	0.916	1.915	7.4	18.7
6 10	15 30.48	−15 25.7	0.945	1.912	13.2	19.0
6 20	15 26.28	−14 53.6	0.992	1.910	18.2	19.2

217943 2001 TU_{191} 5 19.9 148°.31 1°.5/20.8 17

4 11	16 17.89	−25 36.9	2.405	3.184	13.1	21.5
4 21	16 12.51	−25 35.5	2.321	3.196	10.4	21.3
5 1	16 5.04	−25 25.8	2.259	3.207	7.3	21.1
5 11	15 56.07	−25 7.6	2.224	3.217	3.9	20.9
5 21	15 46.41	−24 41.6	2.217	3.227	1.5	20.8
5 31	15 36.95	−24 10.2	2.239	3.236	4.0	21.0
6 10	15 28.55	−23 36.7	2.290	3.244	7.3	21.2
6 20	15 21.85	−23 4.7	2.366	3.251	10.3	21.4

108100 2001 FG_{188} 5 19.9 12°.50 10°.5/22.1 17

4 11	16 18.60	−34 20.8	1.159	1.970	22.5	18.8
4 21	16 16.22	−36 31.1	1.095	1.973	19.1	18.5
5 1	16 9.41	−38 28.4	1.047	1.977	15.4	18.3
5 11	15 58.85	−40 2.6	1.019	1.983	12.1	18.2
5 21	15 46.02	−41 4.5	1.011	1.990	10.5	18.1
5 31	15 33.18	−41 30.5	1.026	1.998	11.5	18.2
6 10	15 22.59	−41 25.6	1.061	2.008	14.5	18.4
6 20	15 15.82	−40 59.7	1.115	2.018	17.9	18.6

87588 2000 RY_{22} 5 19.9 223°.25 0°.1/19.8 18

4 11	16 15.55	−21 18.2	2.418	3.210	12.6	20.7
4 21	16 10.82	−21 0.1	2.313	3.199	10.0	20.5
5 1	16 4.01	−20 35.2	2.231	3.187	6.9	20.3
5 11	15 55.65	−20 4.4	2.176	3.174	3.3	20.0
5 21	15 46.46	−19 29.3	2.149	3.161	0.5	19.8
5 31	15 37.29	−18 52.6	2.151	3.146	4.2	20.0
6 10	15 29.01	−18 17.6	2.181	3.132	7.8	20.2
6 20	15 22.30	−17 47.6	2.237	3.116	11.1	20.4

131129 2001 BE_{36} 5 19.9 159°.43 0°.8/20.3 18

4 11	16 15.58	−22 42.9	2.099	2.897	14.1	20.2
4 21	16 11.09	−22 44.7	2.012	2.900	11.2	20.0
5 1	16 4.29	−22 39.6	1.948	2.903	7.7	19.8
5 11	15 55.80	−22 27.7	1.908	2.906	3.9	19.6
5 21	15 46.45	−22 9.8	1.897	2.908	0.8	19.3
5 31	15 37.24	−21 48.3	1.913	2.910	4.4	19.6
6 10	15 29.14	−21 26.4	1.956	2.912	8.2	19.9
6 20	15 22.84	−21 7.4	2.024	2.914	11.6	20.1

150594 2000 WY_{129} 5 19.9 169°.69 3°.7/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 15.64	−34 20.2	3.275	4.014	10.7	21.1
4 21	16 10.45	−34 44.4	3.179	4.018	8.9	20.9
5 1	16 3.53	−34 59.2	3.106	4.021	6.8	20.8
5 11	15 55.35	−35 3.3	3.059	4.024	4.8	20.7
5 21	15 46.53	−34 56.0	3.040	4.027	3.7	20.6
5 31	15 37.78	−34 38.1	3.050	4.029	4.3	20.6
6 10	15 29.81	−34 11.9	3.089	4.031	6.2	20.8
6 20	15 23.17	−33 40.7	3.155	4.032	8.2	20.9

68713 2002 CX_{253} 5 19.9 299°.95 8°.1/16.2 18

4 11	16 12.74	− 1 52.2	1.710	2.530	15.9	19.0
4 21	16 9.30	− 0 59.2	1.623	2.515	13.2	18.8
5 1	16 3.35	− 0 12.5	1.558	2.499	10.4	18.6
5 11	15 55.47	+ 0 21.7	1.515	2.484	8.4	18.5
5 21	15 46.51	+ 0 37.9	1.497	2.469	8.4	18.4
5 31	15 37.57	+ 0 32.4	1.503	2.454	10.5	18.5
6 10	15 29.73	+ 0 4.0	1.532	2.439	13.5	18.6
6 20	15 23.82	− 0 45.4	1.581	2.425	16.6	18.8

510397 2011 UH_{127} 5 19.9 211°.04 0°.9/19.3 18

4 11	16 12.11	−17 55.5	2.907	3.702	10.7	23.1
4 21	16 7.70	−17 40.4	2.807	3.695	8.4	23.0
5 1	16 1.67	−17 21.9	2.731	3.688	5.7	22.8
5 11	15 54.46	−17 1.0	2.682	3.681	2.8	22.6
5 21	15 46.65	−16 39.1	2.663	3.673	1.0	22.4
5 31	15 38.89	−16 18.4	2.673	3.665	3.8	22.6
6 10	15 31.83	−16 0.8	2.711	3.657	6.7	22.8
6 20	15 25.99	−15 48.2	2.775	3.648	9.4	22.9

67754 2000 UF_{49} 5 19.9 334°.11 1°.0/19.7 18

4 11	16 15.74	−16 32.8	1.298	2.136	19.0	18.6
4 21	16 12.68	−16 52.4	1.218	2.129	15.1	18.3
5 1	16 6.22	−17 10.9	1.156	2.123	10.4	18.0
5 11	15 57.05	−17 28.9	1.116	2.117	5.1	17.7
5 21	15 46.31	−17 46.8	1.100	2.111	1.3	17.4
5 31	15 35.58	−18 5.9	1.108	2.106	6.6	17.7
6 10	15 26.44	−18 28.3	1.139	2.102	12.0	18.0
6 20	15 20.01	−18 56.0	1.191	2.098	16.7	18.3

159047 2004 TT_{120} 5 19.9 299°.31 2°.4/20.7 17

4 11	16 17.07	−23 48.8	1.743	2.549	16.2	19.6
4 21	16 13.13	−24 31.7	1.646	2.537	13.1	19.4
5 1	16 6.26	−25 9.6	1.570	2.524	9.3	19.1
5 11	15 57.01	−25 40.3	1.517	2.512	5.2	18.8
5 21	15 46.32	−26 2.0	1.491	2.500	2.4	18.6
5 31	15 35.50	−26 14.7	1.491	2.488	5.5	18.8
6 10	15 25.87	−26 20.7	1.516	2.476	9.8	19.0
6 20	15 18.49	−26 23.7	1.565	2.464	13.8	19.2

50236 2000 BB_{3} 5 19.9 278°.45 6°.6/16.7 18

4 11	16 14.00	− 6 34.1	1.681	2.505	16.0	18.2
4 21	16 10.45	− 5 39.0	1.587	2.485	13.0	17.9
5 1	16 4.24	− 4 45.4	1.513	2.465	9.8	17.7
5 11	15 55.96	− 3 58.7	1.463	2.445	7.2	17.5
5 21	15 46.46	− 3 24.7	1.438	2.424	6.9	17.4
5 31	15 36.90	− 3 8.1	1.438	2.403	9.5	17.5
6 10	15 28.44	− 3 11.8	1.461	2.382	13.1	17.7
6 20	15 21.99	− 3 35.8	1.506	2.361	16.7	17.8

487571 2014 WL_{366} 5 19.9 21°.62 2°.3/22.1 18

4 11	16 6.86	−31 10.5	3.957	4.716	8.7	20.8
4 21	16 3.30	−31 16.5	3.862	4.719	7.1	20.7
5 1	15 58.53	−31 15.6	3.791	4.722	5.2	20.6
5 11	15 52.90	−31 7.3	3.747	4.725	3.4	20.5
5 21	15 46.86	−30 52.1	3.730	4.728	2.3	20.4
5 31	15 40.88	−30 30.9	3.743	4.732	3.0	20.5
6 10	15 35.46	−30 5.6	3.784	4.736	4.8	20.6
6 20	15 30.97	−29 38.2	3.852	4.739	6.6	20.7

237516 2000 SO_{19} 5 19.9 213°.30 0°.9/19.3 17

4 11	16 14.60	−20 30.3	2.264	3.063	13.2	21.3
4 21	16 10.13	−19 48.8	2.166	3.057	10.4	21.1
5 1	16 3.55	−18 59.4	2.091	3.049	7.1	20.8
5 11	15 55.44	−18 3.9	2.042	3.042	3.4	20.6
5 21	15 46.55	−17 5.1	2.022	3.033	1.1	20.4
5 31	15 37.76	−16 7.0	2.031	3.024	4.7	20.6
6 10	15 29.95	−15 14.0	2.067	3.015	8.4	20.9
6 20	15 23.78	−14 29.7	2.129	3.005	11.7	21.0

157838 1998 FG_{139} 5 19.9 44°.66 2°.3/18.7 18

4 11	16 12.79	−16 43.2	1.679	2.505	15.9	19.9
4 21	16 9.26	−16 5.0	1.605	2.511	12.5	19.7
5 1	16 3.20	−15 21.3	1.552	2.516	8.5	19.4
5 11	15 55.32	−14 35.5	1.523	2.522	4.3	19.2
5 21	15 46.57	−13 51.2	1.520	2.528	2.6	19.1
5 31	15 38.06	−13 13.0	1.543	2.535	6.2	19.3
6 10	15 30.85	−12 44.8	1.592	2.541	10.2	19.6
6 20	15 25.68	−12 29.1	1.662	2.548	13.9	19.8

335154 2004 XG_{59} 5 19.9 270°.71 4°.9/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 17.93	−34 32.2	2.193	2.952	14.8	21.4
4 21	16 13.50	−34 49.5	2.072	2.925	12.4	21.2
5 1	16 6.35	−34 53.2	1.973	2.897	9.6	20.9
5 11	15 57.01	−34 40.3	1.897	2.869	6.8	20.7
5 21	15 46.34	−34 8.9	1.847	2.840	5.0	20.5
5 31	15 35.51	−33 20.2	1.825	2.810	6.0	20.5
6 10	15 25.74	−32 18.5	1.829	2.780	9.0	20.6
6 20	15 18.00	−31 10.1	1.859	2.750	12.4	20.8

480055 2015 CQ_{46} 5 19.9 323°.46 10°.1/23.8 16

4 11	16 16.09	−40 48.1	1.607	2.370	19.2	20.8
4 21	16 13.44	−42 6.0	1.514	2.354	16.8	20.6
5 1	16 7.11	−43 7.1	1.438	2.339	14.1	20.3
5 11	15 57.65	−43 44.2	1.382	2.325	11.6	20.1
5 21	15 46.24	−43 51.5	1.348	2.311	10.1	20.0
5 31	15 34.65	−43 27.1	1.337	2.298	10.6	20.0
6 10	15 24.71	−42 35.9	1.349	2.286	12.8	20.1
6 20	15 17.81	−41 26.6	1.381	2.274	15.7	20.2

208054 1999 TB_{211} 5 19.9 279°.59 8°.1/23.3 18

4 11	16 20.17	−40 0.1	2.053	2.792	16.3	20.4
4 21	16 15.91	−40 59.4	1.938	2.766	14.2	20.2
5 1	16 8.41	−41 44.8	1.842	2.739	11.8	19.9
5 11	15 58.18	−42 10.8	1.769	2.712	9.5	19.7
5 21	15 46.18	−42 12.6	1.719	2.684	8.1	19.6
5 31	15 33.85	−41 48.7	1.695	2.656	8.7	19.6
6 10	15 22.72	−41 2.4	1.696	2.628	10.9	19.6
6 20	15 14.04	−40 0.6	1.720	2.600	13.8	19.7

431851 2008 SS_{67} 5 19.9 290°.82 1°.7/19.0 17

4 11	16 13.11	−18 0.1	1.815	2.635	15.2	21.4
4 21	16 9.77	−17 29.6	1.705	2.607	12.1	21.2
5 1	16 3.82	−16 52.0	1.617	2.580	8.3	20.9
5 11	15 55.78	−16 9.3	1.553	2.552	4.2	20.6
5 21	15 46.49	−15 24.3	1.515	2.524	2.0	20.3
5 31	15 37.05	−14 41.5	1.503	2.496	6.0	20.5
6 10	15 28.62	−14 5.7	1.517	2.468	10.5	20.7
6 20	15 22.14	−13 40.5	1.554	2.440	14.7	20.9

263227 2008 AK_{58} 5 19.9 250°.25 0°.7/20.3 17

4 11	16 16.84	−23 33.0	1.798	2.603	15.9	21.9
4 21	16 12.74	−23 20.7	1.696	2.588	12.7	21.7
5 1	16 5.84	−22 58.5	1.615	2.572	8.9	21.4
5 11	16 56.74	−22 26.3	1.558	2.556	4.5	21.1
5 21	15 46.38	−21 45.6	1.527	2.539	0.8	20.8
5 31	15 35.99	−20 59.7	1.524	2.521	5.2	21.1
6 10	15 26.81	−20 14.0	1.546	2.504	9.8	21.3
6 20	15 19.77	−19 33.5	1.592	2.485	14.0	21.5

498252 2007 UC_{100} 5 19.9 127°.59 0°.2/20.1 17

4 11	16 14.30	−21 50.3	2.685	3.474	11.6	22.8
4 21	16 9.43	−21 41.8	2.606	3.489	9.1	22.6
5 1	16 2.81	−21 27.7	2.549	3.503	6.2	22.4
5 11	15 54.99	−21 8.7	2.520	3.517	3.0	22.2
5 21	15 46.62	−20 46.1	2.519	3.531	0.4	22.0
5 31	15 38.44	−20 21.8	2.548	3.544	3.6	22.3
6 10	15 31.15	−19 58.4	2.605	3.557	6.7	22.5
6 20	15 25.27	−19 38.3	2.688	3.569	9.4	22.7

400554 2008 VA_{58} 5 19.9 227°.71 3°.5/18.3 16

4 11	16 18.57	−13 12.6	1.797	2.609	15.6	22.3
4 21	16 13.87	−12 35.9	1.700	2.597	12.4	22.1
5 1	16 6.48	−11 56.1	1.625	2.584	8.7	21.8
5 11	15 57.01	−11 16.4	1.575	2.569	5.0	21.6
5 21	15 46.36	−10 40.6	1.551	2.554	3.8	21.4
5 31	15 35.70	−10 12.9	1.554	2.538	7.1	21.6
6 10	15 26.20	− 9 56.7	1.584	2.522	11.2	21.8
6 20	15 18.74	− 9 54.2	1.636	2.504	15.0	22.0

19536 1999 JM_{4} 5 19.9 252°.55 3°.2/17.6 18

4 11	16 16.67	−19 37.2	1.729	2.543	16.0	19.0
4 21	16 12.46	−17 52.9	1.627	2.527	12.7	18.7
5 1	16 5.53	−15 52.5	1.548	2.510	8.7	18.4
5 11	15 56.53	−13 40.7	1.495	2.493	4.6	18.2
5 21	15 46.43	−11 25.3	1.470	2.475	3.6	18.0
5 31	15 36.43	− 9 16.3	1.474	2.456	7.5	18.2
6 10	15 27.71	− 7 23.0	1.504	2.438	12.0	18.4
6 20	15 21.12	− 5 51.8	1.557	2.418	16.0	18.6

165160 2000 QX_{62} 5 19.9 285°.37 5°.9/17.6 17

4 11	16 14.99	− 8 43.7	1.452	2.285	17.6	19.9
4 21	16 11.69	− 8 4.1	1.361	2.267	14.2	19.7
5 1	16 5.37	− 7 25.6	1.290	2.249	10.4	19.4
5 11	15 56.60	− 6 53.4	1.241	2.231	6.9	19.1
5 21	15 46.40	− 6 32.8	1.216	2.212	6.2	19.0
5 31	15 36.11	− 6 28.3	1.216	2.194	9.3	19.2
6 10	15 27.09	− 6 42.6	1.238	2.176	13.6	19.3
6 20	15 20.42	− 7 15.8	1.281	2.158	17.8	19.5

497934 2006 WZ_{43} 5 19.9 193°.96 1°.7/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 16.14	−17 20.9	2.075	2.881	14.0	22.7
4 21	16 11.48	−16 49.0	1.985	2.879	11.0	22.5
5 1	16 4.55	−16 11.9	1.917	2.876	7.5	22.2
5 11	15 55.95	−15 31.6	1.875	2.873	3.8	22.0
5 21	15 46.51	−14 51.0	1.860	2.870	1.9	21.9
5 31	15 37.19	−14 13.7	1.874	2.865	5.3	22.1
6 10	15 28.94	−13 43.1	1.915	2.860	9.1	22.3
6 20	15 22.47	−13 22.1	1.980	2.855	12.5	22.5

185127 2006 SY_{88} 5 19.9 156°.09 1°.1/19.4 17

4 11	16 17.08	−18 47.4	2.023	2.826	14.4	21.7
4 21	16 12.20	−18 24.5	1.941	2.834	11.3	21.5
5 1	16 5.01	−17 55.9	1.881	2.840	7.7	21.3
5 11	15 56.15	−17 23.3	1.847	2.846	3.7	21.1
5 21	15 46.49	−16 49.0	1.841	2.852	1.3	20.9
5 31	15 37.04	−16 16.3	1.863	2.857	5.0	21.2
6 10	15 28.76	−15 48.7	1.912	2.861	8.8	21.4
6 20	15 22.33	−15 29.0	1.985	2.864	12.3	21.6

306151 2010 KV_{78} 5 19.9 320°.77 2°.7/21.6 18

4 11	16 11.66	−29 10.0	2.062	2.854	14.5	20.1
4 21	16 8.31	−29 7.1	1.965	2.845	11.8	19.9
5 1	16 2.58	−28 52.1	1.889	2.836	8.6	19.6
5 11	15 55.07	−28 24.3	1.837	2.827	5.1	19.4
5 21	15 46.61	−27 44.4	1.812	2.818	2.7	19.2
5 31	15 38.24	−26 55.1	1.813	2.810	4.8	19.3
6 10	15 30.95	−26 1.1	1.841	2.801	8.3	19.5
6 20	15 25.52	−25 7.7	1.893	2.794	11.7	19.7

290550 2005 UD_{94} 5 19.9 345°.53 1°.7/20.9 16

4 11	16 11.59	−25 55.5	2.139	2.938	13.9	21.1
4 21	16 8.04	−25 54.9	2.049	2.935	11.1	20.9
5 1	16 2.28	−25 45.2	1.980	2.932	7.8	20.7
5 11	15 54.88	−25 26.1	1.936	2.930	4.3	20.4
5 21	15 46.64	−24 58.7	1.918	2.928	1.7	20.3
5 31	15 38.50	−24 25.3	1.928	2.926	4.3	20.4
6 10	15 31.40	−23 49.7	1.964	2.924	7.9	20.7
6 20	15 26.03	−23 15.9	2.025	2.923	11.2	20.9

174709 2003 UK_{112} 5 19.9 151°.79 1°.7/19.2 17

4 11	16 18.05	−16 34.9	1.836	2.646	15.4	20.7
4 21	16 13.20	−16 20.4	1.757	2.653	12.1	20.5
5 1	16 5.82	−16 2.2	1.699	2.659	8.2	20.2
5 11	15 56.58	−15 42.2	1.666	2.665	4.1	20.0
5 21	15 46.44	−15 22.4	1.661	2.671	1.9	19.9
5 31	15 36.51	−15 5.8	1.683	2.676	5.6	20.1
6 10	15 27.84	−14 55.3	1.731	2.680	9.6	20.4
6 20	15 21.21	−14 53.0	1.803	2.684	13.2	20.6

31208 1998 BU_{1} 5 19.9 162°.95 5°.4/17.5 18

4 11	16 16.39	− 5 5.2	2.128	2.931	13.8	18.7
4 21	16 11.44	− 4 36.4	2.050	2.935	11.1	18.5
5 1	16 4.39	− 4 12.3	1.995	2.940	8.3	18.3
5 11	15 55.83	− 3 56.4	1.964	2.943	5.9	18.2
5 21	15 46.54	− 3 51.5	1.961	2.946	5.6	18.2
5 31	15 37.41	− 3 59.8	1.986	2.949	7.5	18.3
6 10	15 29.31	− 4 21.9	2.036	2.951	10.3	18.5
6 20	15 22.87	− 4 57.0	2.110	2.953	13.1	18.6

391704 2008 BB_{44} 5 19.9 190°.28 4°.1/17.4 18

4 11	16 13.24	− 6 8.5	2.753	3.549	11.2	21.5
4 21	16 8.55	− 5 44.4	2.665	3.548	9.0	21.4
5 1	16 2.23	− 5 23.4	2.601	3.547	6.6	21.2
5 11	15 54.74	− 5 8.0	2.564	3.544	4.6	21.1
5 21	15 46.67	− 5 0.2	2.555	3.542	4.3	21.1
5 31	15 38.68	− 5 2.1	2.575	3.539	6.0	21.2
6 10	15 31.43	− 5 14.3	2.622	3.535	8.3	21.3
6 20	15 25.44	− 5 36.8	2.693	3.531	10.7	21.5

121924 2000 DH_{98} 5 19.9 163°.41 2°.0/19.1 18

4 11	16 19.40	−16 20.3	1.610	2.426	16.9	20.5
4 21	16 14.65	−16 3.0	1.531	2.431	13.3	20.2
5 1	16 7.02	−15 41.8	1.473	2.435	9.1	20.0
5 11	15 57.23	−15 18.7	1.439	2.438	4.6	19.7
5 21	15 46.36	−14 56.2	1.432	2.441	2.2	19.6
5 31	15 35.71	−14 37.8	1.451	2.443	6.3	19.8
6 10	15 26.50	−14 26.9	1.495	2.445	10.7	20.1
6 20	15 19.61	−14 25.8	1.562	2.446	14.7	20.3

191750 2004 ST_{48} 5 19.9 321°.73 9°.2/16.4 17

4 11	16 12.70	− 0 14.6	1.526	2.351	17.2	19.3
4 21	16 9.57	+ 0 33.8	1.445	2.337	14.4	19.1
5 1	16 3.69	+ 1 12.8	1.384	2.324	11.6	18.8
5 11	15 55.70	+ 1 35.7	1.344	2.311	9.5	18.7
5 21	15 46.54	+ 1 36.6	1.328	2.298	9.4	18.6
5 31	15 37.41	+ 1 12.1	1.335	2.287	11.5	18.7
6 10	15 29.51	+ 0 22.3	1.364	2.275	14.6	18.9
6 20	15 23.74	− 0 49.9	1.413	2.265	17.8	19.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
171814 2001 DS_{103}			5 19.9	99°.64	0°.8/20.3	17
	h m	° ′			°	m
4 11	16 18.20	−23 26.2	1.626	2.436	17.1	21.0
4 21	16 13.65	−23 17.5	1.557	2.451	13.5	20.8
5 1	16 6.25	−22 59.1	1.507	2.465	9.3	20.6
5 11	15 56.80	−22 31.4	1.481	2.479	4.6	20.3
5 21	15 46.43	−21 56.2	1.482	2.493	0.9	20.1
5 31	15 36.42	−21 17.4	1.509	2.507	5.2	20.4
6 10	15 27.97	−20 40.0	1.561	2.520	9.6	20.7
6 20	15 21.86	−20 8.6	1.637	2.533	13.5	21.0
476479 2008 FM_{42}			5 19.9	72°.65	6°.9/23.9	17
4 11	16 19.15	−39 55.5	2.330	3.060	14.8	21.1
4 21	16 14.19	−40 54.7	2.253	3.074	12.6	21.0
5 1	16 6.58	−41 39.6	2.197	3.089	10.3	20.8
5 11	15 57.00	−42 6.3	2.164	3.103	8.2	20.7
5 21	15 46.40	−42 12.4	2.156	3.117	7.0	20.7
5 31	15 35.95	−41 58.3	2.174	3.131	7.4	20.7
6 10	15 26.80	−41 27.7	2.218	3.145	9.0	20.8
6 20	15 19.76	−40 45.9	2.286	3.160	11.1	21.0
466360 2013 RG_{62}			5 19.9	335°.84	0°.6/20.2	17
4 11	16 11.07	−22 23.4	1.305	2.144	18.8	21.0
4 21	16 9.06	−22 21.2	1.222	2.133	15.0	20.7
5 1	16 3.77	−22 8.9	1.157	2.123	10.5	20.4
5 11	15 55.88	−21 46.7	1.113	2.114	5.2	20.1
5 21	15 46.52	−21 16.4	1.093	2.105	0.8	19.7
5 31	15 37.21	−20 42.2	1.097	2.097	6.2	20.1
6 10	15 29.45	−20 9.8	1.123	2.090	11.5	20.4
6 20	15 24.33	−19 44.5	1.170	2.085	16.3	20.6
243846 2000 VT_{61}			5 19.9	251°.51	11°.1/26.3	18
4 11	16 27.19	−49 29.2	1.969	2.654	18.4	20.4
4 21	16 22.07	−50 16.6	1.860	2.634	16.7	20.2
5 1	16 12.91	−50 42.2	1.767	2.613	14.6	20.0
5 11	16 0.41	−50 37.6	1.693	2.591	12.6	19.9
5 21	15 45.97	−49 56.8	1.641	2.569	11.3	19.7
5 31	15 31.57	−48 38.3	1.613	2.546	11.3	19.7
6 10	15 19.14	−46 48.0	1.610	2.522	12.7	19.7
6 20	15 10.04	−44 36.7	1.629	2.498	15.0	19.8
93449 2000 SD_{347}			5 19.9	72°.86	5°.8/24.5	18
4 11	16 22.36	−40 38.1	1.818	2.560	17.9	18.1
4 21	16 16.69	−40 6.2	1.751	2.587	15.1	17.9
5 1	16 8.06	−39 10.4	1.703	2.614	11.7	17.8
5 11	15 57.52	−37 49.1	1.678	2.640	8.3	17.6
5 21	15 46.38	−36 4.4	1.679	2.666	6.0	17.5
5 31	15 36.05	−34 2.9	1.707	2.692	6.4	17.6
6 10	15 27.64	−31 54.4	1.764	2.718	9.1	17.8
6 20	15 21.79	−29 48.8	1.846	2.743	12.2	18.1
470334 2007 RS_{35}			5 19.9	313°.27	6°.8/15.7	16
4 11	16 9.36	− 9 15.6	1.582	2.420	16.1	21.1
4 21	16 7.14	− 7 51.9	1.475	2.384	13.1	20.8
5 1	16 2.22	− 6 22.4	1.389	2.348	9.8	20.5
5 11	15 55.11	− 4 53.7	1.326	2.312	7.2	20.3
5 21	15 46.62	− 3 33.6	1.287	2.276	7.3	20.2
5 31	15 37.89	− 2 30.3	1.273	2.240	10.4	20.2
6 10	15 30.18	− 1 49.7	1.282	2.205	14.4	20.4
6 20	15 24.48	− 1 34.9	1.310	2.170	18.4	20.5
508597 2017 QZ_{3}			5 19.9	306°.75	5°.4/17.5	17
4 11	16 11.05	−12 32.4	1.289	2.138	18.5	21.2
4 21	16 9.06	−11 34.6	1.195	2.113	14.9	20.8
5 1	16 3.84	−10 30.8	1.121	2.088	10.6	20.5
5 11	15 55.99	− 9 26.7	1.068	2.064	6.6	20.2
5 21	15 46.51	− 8 29.1	1.038	2.039	5.8	20.1
5 31	15 36.85	− 7 45.8	1.031	2.016	9.6	20.2
6 10	15 28.55	− 7 22.5	1.046	1.993	14.6	20.4
6 20	15 22.77	− 7 22.0	1.080	1.970	19.3	20.6
417959 2007 TP_{87}			5 19.9	127°.52	0°.4/20.1	18
4 11	16 19.92	−20 23.4	1.661	2.470	16.8	21.1
4 21	16 15.07	−20 39.4	1.584	2.478	13.3	20.8
5 1	16 7.31	−20 50.3	1.528	2.487	9.1	20.6
5 11	15 57.39	−20 55.6	1.496	2.495	4.5	20.4
5 21	15 46.37	−20 55.6	1.490	2.502	0.6	20.1
5 31	15 35.57	−20 52.3	1.512	2.509	5.3	20.4
6 10	15 26.22	−20 48.6	1.559	2.516	9.8	20.7
6 20	15 19.21	−20 47.9	1.629	2.523	13.7	21.0
178494 1999 TD_{114}			5 19.9	243°.08	3°.3/18.1	17
4 11	16 16.02	−14 18.2	1.951	2.762	14.5	21.0
4 21	16 11.68	−13 30.2	1.849	2.746	11.6	20.7
5 1	16 4.90	−12 37.3	1.769	2.728	8.1	20.5
5 11	15 56.23	−11 42.7	1.714	2.710	4.6	20.2
5 21	15 46.50	−10 50.4	1.687	2.691	3.5	20.1
5 31	15 36.76	−10 5.2	1.688	2.671	6.7	20.3
6 10	15 28.04	− 9 31.3	1.714	2.651	10.6	20.5
6 20	15 21.15	− 9 11.2	1.764	2.629	14.2	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
471458 2011 UU_{196}			5 19.9	213°.34	1°.0/20.6	17
	h m	° ′			°	m
4 11	16 12.25	−25 15.0	2.612	3.399	11.9	21.4
4 21	16 8.08	−24 56.9	2.514	3.395	9.5	21.2
5 1	16 2.06	−24 30.4	2.440	3.391	6.6	21.0
5 11	15 54.71	−23 55.9	2.391	3.387	3.4	20.8
5 21	15 46.70	−23 15.0	2.371	3.382	1.0	20.6
5 31	15 38.79	−22 30.1	2.380	3.377	3.7	20.8
6 10	15 31.73	−21 44.8	2.416	3.372	6.9	21.0
6 20	15 26.11	−21 2.5	2.479	3.366	9.8	21.1
216003 2005 TF_{76}			5 19.9	199°.60	2°.7/18.3	18
4 11	16 12.16	−11 16.4	2.765	3.566	11.0	21.1
4 21	16 7.76	−10 58.0	2.673	3.563	8.7	20.9
5 1	16 1.73	−10 39.8	2.605	3.560	6.1	20.7
5 11	15 54.53	−10 23.8	2.564	3.556	3.6	20.5
5 21	15 46.73	−10 11.8	2.552	3.553	2.9	20.5
5 31	15 39.01	−10 5.7	2.568	3.549	4.9	20.6
6 10	15 32.00	−10 6.9	2.612	3.544	7.6	20.8
6 20	15 26.24	−10 16.0	2.682	3.540	10.1	20.9
488791 2004 XG_{130}			5 19.9	216°.78	2°.3/21.3	18
4 11	16 18.02	−27 53.6	2.789	3.553	11.8	22.6
4 21	16 12.63	−28 9.0	2.679	3.542	9.6	22.4
5 1	16 5.23	−28 16.7	2.591	3.530	6.9	22.2
5 11	15 56.30	−28 15.6	2.531	3.518	4.1	22.0
5 21	15 46.51	−28 5.4	2.499	3.504	2.3	21.9
5 31	15 36.70	−27 47.0	2.497	3.490	4.0	22.0
6 10	15 27.69	−27 23.0	2.524	3.475	6.9	22.1
6 20	15 20.17	−26 56.7	2.577	3.459	9.7	22.3
41121 1999 VP_{89}			5 19.9	247°.60	0°.6/19.5	18
4 11	16 11.64	−19 10.7	2.742	3.539	11.2	20.1
4 21	16 7.52	−18 54.0	2.636	3.526	8.8	19.9
5 1	16 1.67	−18 32.8	2.554	3.512	6.0	19.7
5 11	15 54.54	−18 8.0	2.499	3.498	2.9	19.5
5 21	15 46.73	−17 41.4	2.472	3.483	0.8	19.3
5 31	15 38.93	−17 15.0	2.474	3.468	3.9	19.5
6 10	15 31.84	−16 51.3	2.504	3.453	7.0	19.7
6 20	15 26.04	−16 32.7	2.560	3.438	9.9	19.9
457487 2008 UY_{315}			5 19.9	186°.34	0°.4/19.8	16
4 11	16 18.40	−21 5.0	1.656	2.467	16.7	22.7
4 21	16 13.93	−20 44.9	1.571	2.468	13.3	22.5
5 1	16 6.58	−20 16.1	1.507	2.467	9.1	22.3
5 11	15 57.06	−19 39.7	1.467	2.466	4.4	22.0
5 21	15 46.43	−18 58.2	1.453	2.465	0.7	21.7
5 31	15 35.97	−18 15.7	1.466	2.463	5.6	22.0
6 10	15 26.93	−17 37.4	1.505	2.460	10.2	22.3
6 20	15 20.19	−17 7.5	1.566	2.457	14.3	22.5
188891 2006 XH_{10}			5 19.9	125°.62	0°.3/19.8	18
4 11	16 17.87	−19 37.0	1.920	2.725	15.0	20.9
4 21	16 12.96	−19 34.4	1.844	2.736	11.8	20.7
5 1	16 5.60	−19 26.6	1.789	2.748	8.0	20.5
5 11	15 56.48	−19 14.3	1.760	2.759	3.9	20.3
5 21	15 46.51	−18 59.0	1.757	2.769	0.6	20.1
5 31	15 36.79	−18 42.9	1.783	2.779	4.8	20.4
6 10	15 28.32	−18 29.3	1.836	2.789	8.8	20.6
6 20	15 21.83	−18 20.8	1.912	2.798	12.3	20.9
501879 2014 WV_{378}			5 19.9	211°.96	2°.5/21.2	17
4 11	16 18.23	−28 3.3	1.832	2.623	16.1	22.2
4 21	16 13.77	−28 1.0	1.738	2.618	13.1	22.0
5 1	16 6.48	−27 46.1	1.665	2.613	9.4	21.7
5 11	15 57.04	−27 17.5	1.615	2.607	5.4	21.5
5 21	15 46.44	−26 35.6	1.592	2.600	2.5	21.3
5 31	15 35.95	−25 43.8	1.596	2.593	5.2	21.4
6 10	15 26.80	−24 47.6	1.626	2.585	9.3	21.6
6 20	15 19.89	−23 53.1	1.681	2.577	13.2	21.9
514095 2014 WF_{511}			5 19.9	283°.29	2°.5/18.0	18
4 11	16 9.53	− 6 25.3	4.327	5.112	7.6	20.7
4 21	16 5.10	− 6 31.3	4.230	5.107	6.0	20.5
5 1	15 59.63	− 6 40.1	4.159	5.103	4.4	20.4
5 11	15 53.45	− 6 52.5	4.116	5.099	2.9	20.3
5 21	15 46.89	− 7 9.4	4.103	5.094	2.6	20.3
5 31	15 40.36	− 7 31.3	4.121	5.090	3.7	20.4
6 10	15 34.26	− 7 58.5	4.168	5.085	5.4	20.5
6 20	15 28.91	− 8 30.8	4.242	5.081	7.1	20.6
19982 Barbaradoore			5 19.9	217°.97	8°.5/25.6	18
4 11	16 26.38	−46 15.2	2.260	2.949	16.2	18.6
4 21	16 20.39	−46 42.8	2.153	2.939	14.3	18.4
5 1	16 11.12	−46 50.7	2.065	2.927	12.2	18.2
5 11	15 59.31	−46 33.2	1.998	2.915	10.1	18.1
5 21	15 46.18	−45 46.8	1.956	2.902	8.7	18.0
5 31	15 33.23	−44 32.1	1.940	2.888	8.8	17.9
6 10	15 21.92	−42 54.9	1.951	2.872	10.3	18.0
6 20	15 13.27	−41 3.9	1.986	2.856	12.7	18.1

508493 2016 PH_{89} 5 19.9 325°.56 1°.9/18.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 11.40	−17 18.5	1.960	2.779	14.2	21.8
4 21	16 7.93	−16 42.1	1.874	2.775	11.2	21.6
5 1	16 2.23	−16 0.2	1.809	2.772	7.6	21.3
5 11	15 54.88	−15 15.2	1.769	2.768	3.8	21.1
5 21	15 46.72	−14 30.6	1.756	2.765	2.1	21.0
5 31	15 38.68	−13 50.2	1.771	2.762	5.5	21.2
6 10	15 31.70	−13 17.8	1.811	2.759	9.3	21.4
6 20	15 26.46	−12 56.0	1.874	2.757	12.7	21.6

147678 2004 NP_{10} 5 19.9 303°.35 6°.7/16.0 18

4 11	16 10.69	− 2 45.4	2.139	2.951	13.4	19.4
4 21	16 7.25	− 1 57.4	2.041	2.928	11.1	19.2
5 1	16 1.75	− 1 13.8	1.964	2.904	8.7	19.0
5 11	15 54.69	− 0 39.3	1.912	2.881	6.9	18.8
5 21	15 46.73	− 0 18.2	1.885	2.858	6.9	18.8
5 31	15 38.73	− 0 13.8	1.885	2.835	8.8	18.8
6 10	15 31.55	− 0 27.8	1.909	2.812	11.5	19.0
6 20	15 25.88	− 0 59.6	1.955	2.790	14.3	19.1

359428 2010 LJ_{86} 5 19.9 256°.09 2°.8/21.8 18

4 11	16 12.90	−30 14.6	2.514	3.289	12.7	21.3
4 21	16 8.84	−30 15.2	2.413	3.280	10.3	21.2
5 1	16 2.73	−30 5.3	2.333	3.272	7.6	21.0
5 11	15 55.11	−29 43.9	2.278	3.263	4.7	20.8
5 21	15 46.69	−29 11.5	2.251	3.255	2.8	20.6
5 31	15 38.35	−28 30.0	2.252	3.246	4.3	20.7
6 10	15 30.92	−27 43.0	2.281	3.237	7.2	20.9
6 20	15 25.06	−26 54.9	2.335	3.228	10.1	21.0

407671 2011 SA_{253} 5 19.9 151°.80 2°.0/19.0 18

4 11	16 18.95	−17 4.6	1.769	2.579	15.9	22.4
4 21	16 13.97	−16 34.6	1.692	2.588	12.5	22.1
5 1	16 6.37	−15 59.4	1.636	2.596	8.5	21.9
5 11	15 56.89	−15 21.3	1.605	2.604	4.2	21.7
5 21	15 46.51	−14 43.6	1.601	2.610	2.2	21.6
5 31	15 36.39	−14 10.1	1.625	2.616	5.9	21.8
6 10	15 27.62	−13 44.6	1.675	2.622	10.0	22.1
6 20	15 20.97	−13 29.7	1.748	2.626	13.7	22.3

407718 2011 UM_{271} 5 19.9 156°.17 1°.9/20.9 16

4 11	16 20.57	−26 22.6	1.820	2.611	16.2	23.0
4 21	16 15.40	−26 18.5	1.737	2.619	13.0	22.8
5 1	16 7.45	−26 3.1	1.676	2.626	9.2	22.5
5 11	15 57.44	−25 35.7	1.639	2.633	5.0	22.3
5 21	15 46.44	−24 57.3	1.629	2.639	1.9	22.1
5 31	15 35.70	−24 11.4	1.647	2.644	5.0	22.3
6 10	15 26.41	−23 23.3	1.691	2.648	9.2	22.6
6 20	15 19.38	−22 38.4	1.760	2.652	12.9	22.8

330313 2006 UV_{31} 5 19.9 122°.22 1°.3/19.2 17

4 11	16 16.60	−18 57.9	1.854	2.664	15.3	21.9
4 21	16 11.98	−18 24.6	1.780	2.676	12.0	21.7
5 1	16 4.93	−17 44.7	1.728	2.688	8.1	21.5
5 11	15 56.16	−17 0.4	1.701	2.700	3.9	21.3
5 21	15 46.62	−16 15.0	1.701	2.711	1.5	21.1
5 31	15 37.38	−15 32.5	1.729	2.722	5.3	21.4
6 10	15 29.43	−14 57.0	1.783	2.732	9.3	21.7
6 20	15 23.47	−14 31.4	1.860	2.742	12.8	21.9

360737 2004 TF_{368} 5 19.9 267°.94 3°.0/20.9 17 R

4 11	16 19.58	−25 9.3	1.551	2.358	17.9	21.0
4 21	16 15.66	−25 47.7	1.452	2.342	14.5	20.8
5 1	16 8.36	−26 19.2	1.372	2.325	10.5	20.5
5 11	15 58.24	−26 40.7	1.315	2.309	6.0	20.2
5 21	15 46.34	−26 50.1	1.283	2.292	3.0	19.9
5 31	15 34.20	−26 47.7	1.277	2.274	6.2	20.1
6 10	15 23.42	−26 36.9	1.296	2.257	11.0	20.3
6 20	15 15.26	−26 23.2	1.337	2.239	15.6	20.5

179754 2002 RR_{206} 5 19.9 225°.04 0°.7/19.6 17

4 11	16 16.89	−19 50.6	2.053	2.855	14.3	21.5
4 21	16 12.29	−19 32.2	1.953	2.845	11.3	21.3
5 1	16 5.28	−19 7.2	1.875	2.834	7.7	21.1
5 11	15 56.44	−18 36.8	1.823	2.822	3.7	20.8
5 21	15 46.59	−18 3.0	1.798	2.809	0.9	20.6
5 31	15 36.76	−17 28.7	1.801	2.796	5.0	20.8
6 10	15 27.97	−16 57.9	1.832	2.783	9.0	21.0
6 20	15 21.02	−16 34.0	1.886	2.768	12.7	21.2

173888 2001 UC_{82} 5 19.9 204°.75 0°.5/19.6 18

4 11	16 13.10	−19 21.1	2.819	3.611	11.0	21.7
4 21	16 8.57	−19 9.3	2.720	3.606	8.7	21.5
5 1	16 2.34	−18 53.4	2.644	3.601	5.9	21.4
5 11	15 54.88	−18 34.1	2.596	3.595	2.8	21.1
5 21	15 46.78	−18 12.8	2.577	3.588	0.6	20.9
5 31	15 38.74	−17 51.5	2.587	3.581	3.7	21.2
6 10	15 31.43	−17 32.4	2.626	3.574	6.8	21.4
6 20	15 25.41	−17 17.5	2.690	3.566	9.5	21.5

421043 2013 PO_{71} 5 19.9 302°.14 2°.4/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 14.13	−26 16.1	1.493	2.310	17.9	21.0
4 21	16 11.30	−26 22.5	1.399	2.295	14.5	20.8
5 1	16 5.26	−26 16.7	1.324	2.281	10.4	20.5
5 11	15 56.65	−25 57.4	1.271	2.266	5.8	20.2
5 21	15 46.55	−25 24.8	1.242	2.252	2.4	19.9
5 31	15 36.40	−24 42.0	1.239	2.238	5.9	20.1
6 10	15 27.68	−23 55.0	1.259	2.224	10.8	20.3
6 20	15 21.50	−23 10.4	1.301	2.211	15.3	20.5

241405 2008 UV_{75} 5 19.9 299°.60 1°.8/20.9 17

4 11	16 13.95	−25 49.6	1.913	2.715	15.2	21.1
4 21	16 10.23	−25 49.7	1.823	2.711	12.2	20.9
5 1	16 3.97	−25 39.7	1.753	2.707	8.6	20.7
5 11	15 55.82	−25 19.4	1.708	2.703	4.7	20.4
5 21	15 46.67	−24 49.5	1.689	2.699	1.8	20.2
5 31	15 37.62	−24 12.8	1.697	2.695	4.8	20.4
6 10	15 29.75	−23 33.7	1.731	2.691	8.8	20.6
6 20	15 23.86	−22 56.9	1.788	2.687	12.4	20.8

164392 2005 FG_{5} 5 19.9 141°.38 10°.5/13.1 18

4 11	16 17.07	+ 6 56.4	2.045	2.825	15.0	20.9
4 21	16 11.91	+ 8 40.3	1.992	2.840	13.0	20.8
5 1	16 4.66	+10 12.3	1.961	2.854	11.4	20.7
5 11	15 55.97	+11 25.0	1.955	2.867	10.5	20.7
5 21	15 46.67	+12 12.9	1.973	2.879	10.9	20.8
5 31	15 37.68	+12 33.1	2.015	2.890	12.2	20.9
6 10	15 29.83	+12 25.8	2.079	2.900	14.0	21.0
6 20	15 23.71	+11 54.0	2.162	2.909	15.8	21.2

71323 2000 AF_{84} 5 19.9 188°.77 0°.6/19.6 18

4 11	16 13.62	−20 4.1	2.166	2.971	13.5	19.8
4 21	16 9.47	−19 40.3	2.077	2.971	10.6	19.6
5 1	16 3.19	−19 10.2	2.011	2.970	7.2	19.4
5 11	15 55.35	−18 35.0	1.970	2.969	3.5	19.2
5 21	15 46.74	−17 57.2	1.957	2.968	0.9	19.0
5 31	15 38.26	−17 19.9	1.972	2.967	4.6	19.2
6 10	15 30.80	−16 46.6	2.013	2.965	8.3	19.5
6 20	15 25.01	−16 20.3	2.080	2.964	11.6	19.7

155368 5120 $T\text{-}_{3}$ 5 19.9 180°.69 4°.8/22.5 18

4 11	16 21.05	−35 42.1	3.111	3.836	11.5	20.9
4 21	16 15.03	−36 40.5	3.012	3.837	9.7	20.7
5 1	16 6.92	−37 30.1	2.935	3.838	7.7	20.6
5 11	15 57.19	−38 7.9	2.885	3.838	5.8	20.5
5 21	15 46.53	−38 32.0	2.864	3.837	4.8	20.4
5 31	15 35.79	−38 41.8	2.871	3.837	5.4	20.4
6 10	15 25.85	−38 39.0	2.908	3.835	7.1	20.6
6 20	15 17.42	−38 26.9	2.970	3.834	9.1	20.7

403221 2008 UN_{145} 5 19.9 211°.16 0°.2/19.9 14 C

4 11	16 19.72	−20 9.8	1.669	2.479	16.7	23.2
4 21	16 15.11	−20 9.3	1.579	2.474	13.3	22.9
5 1	16 7.53	−20 2.5	1.509	2.468	9.1	22.7
5 11	15 57.64	−19 49.8	1.463	2.462	4.5	22.4
5 21	15 46.47	−19 32.3	1.443	2.455	0.6	22.1
5 31	15 35.34	−19 12.8	1.450	2.447	5.6	22.4
6 10	15 25.56	−18 55.2	1.483	2.439	10.3	22.7
6 20	15 18.10	−18 43.2	1.539	2.430	14.5	22.9

358821 2008 EC_{143} 5 19.9 149°.55 4°.2/22.9 18

4 11	16 15.82	−35 25.6	2.837	3.579	12.1	21.9
4 21	16 10.89	−35 41.9	2.747	3.586	10.1	21.7
5 1	16 4.00	−35 46.7	2.678	3.593	7.8	21.6
5 11	15 55.70	−35 38.3	2.635	3.600	5.6	21.4
5 21	15 46.71	−35 16.4	2.620	3.606	4.2	21.4
5 31	15 37.88	−34 42.5	2.632	3.612	4.8	21.4
6 10	15 30.00	−33 59.7	2.673	3.618	6.8	21.5
6 20	15 23.68	−33 12.1	2.740	3.623	9.1	21.7

290029 2005 QE_{26} 5 19.9 234°.06 1°.1/20.7 18

4 11	16 13.64	−24 9.1	2.726	3.510	11.6	21.2
4 21	16 9.20	−24 14.9	2.621	3.500	9.2	21.0
5 1	16 2.90	−24 14.7	2.539	3.489	6.5	20.8
5 11	15 55.21	−24 8.1	2.484	3.478	3.4	20.6
5 21	15 46.77	−23 55.6	2.457	3.467	1.1	20.4
5 31	15 38.32	−23 38.7	2.459	3.455	3.7	20.6
6 10	15 30.64	−23 19.7	2.489	3.443	6.8	20.8
6 20	15 24.34	−23 1.3	2.545	3.431	9.7	20.9

437068 2012 UE_{52} 5 19.9 307°.74 3°.5/17.7 17

4 11	16 11.14	−14 15.9	1.955	2.776	14.2	21.2
4 21	16 7.69	−13 12.4	1.870	2.772	11.1	21.0
5 1	16 2.05	−12 4.0	1.807	2.769	7.7	20.7
5 11	15 54.82	−10 54.9	1.770	2.765	4.5	20.5
5 21	15 46.81	− 9 49.8	1.760	2.762	3.8	20.5
5 31	15 38.95	− 8 53.7	1.777	2.758	6.6	20.7
6 10	15 32.14	− 8 10.9	1.819	2.755	10.1	20.9
6 20	15 27.04	− 7 43.4	1.885	2.752	13.4	21.0

222677 2001 YR_{50} 5 19.9 166°.39 0°.6/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 16.70	−18 41.5	2.051	2.854	14.2	20.8
4 21	16 12.00	−18 38.2	1.965	2.858	11.2	20.6
5 1	16 4.98	−18 30.6	1.902	2.860	7.6	20.4
5 11	15 56.25	−18 19.5	1.864	2.863	3.7	20.2
5 21	15 46.65	−18 6.3	1.853	2.865	0.8	20.0
5 31	15 37.19	−17 53.2	1.871	2.867	4.8	20.3
6 10	15 28.82	−17 43.0	1.916	2.868	8.6	20.5
6 20	15 22.28	−17 38.0	1.985	2.869	12.1	20.7

309668 2008 ET_{40} 5 19.9 310°.91 4°.3/22.4 17

4 11	16 14.20	−32 57.4	2.342	3.109	13.7	21.0
4 21	16 10.13	−33 22.5	2.248	3.106	11.3	20.8
5 1	16 3.77	−33 36.2	2.175	3.104	8.6	20.6
5 11	15 55.70	−33 36.5	2.126	3.101	5.9	20.5
5 21	15 46.72	−33 22.7	2.104	3.098	4.3	20.4
5 31	15 37.80	−32 55.9	2.109	3.095	5.3	20.4
6 10	15 29.92	−32 19.7	2.141	3.093	7.9	20.6
6 20	15 23.81	−31 38.6	2.198	3.090	10.7	20.7

452203 2015 RJ_{194} 5 19.9 339°.44 3°.5/21.0 15

4 11	16 8.03	−25 35.7	1.481	2.311	17.5	20.5
4 21	16 6.68	−26 20.6	1.379	2.282	14.3	20.2
5 1	16 2.29	−26 58.7	1.296	2.254	10.4	19.9
5 11	15 55.34	−27 27.6	1.234	2.228	6.2	19.6
5 21	15 46.73	−27 45.3	1.196	2.203	3.5	19.3
5 31	15 37.82	−27 51.5	1.182	2.180	6.3	19.4
6 10	15 30.11	−27 49.2	1.191	2.159	10.9	19.6
6 20	15 24.81	−27 42.7	1.220	2.139	15.4	19.8

381456 2008 RB_{44} 5 19.9 153°.44 1°.2/19.3 17

4 11	16 14.42	−18 21.0	2.052	2.861	14.0	21.6
4 21	16 10.17	−17 59.3	1.969	2.864	11.0	21.4
5 1	16 3.70	−17 32.4	1.907	2.868	7.5	21.2
5 11	15 55.62	−17 2.1	1.871	2.870	3.6	21.0
5 21	15 46.74	−16 30.7	1.863	2.873	1.4	20.8
5 31	15 38.03	−16 1.3	1.882	2.876	4.9	21.1
6 10	15 30.40	−15 37.2	1.928	2.878	8.7	21.3
6 20	15 24.53	−15 20.9	1.997	2.880	12.1	21.5

499933 2011 HU_{41} 5 19.9 111°.67 5°.3/16.7 17

4 11	16 12.92	− 8 57.2	1.948	2.766	14.3	21.5
4 21	16 8.91	− 7 47.1	1.877	2.774	11.4	21.3
5 1	16 2.77	− 6 36.9	1.829	2.782	8.3	21.1
5 11	15 55.13	− 5 31.9	1.806	2.790	5.8	21.0
5 21	15 46.81	− 4 37.0	1.809	2.797	5.6	21.0
5 31	15 38.72	− 3 56.6	1.840	2.805	7.8	21.1
6 10	15 31.74	− 3 33.1	1.895	2.812	10.8	21.3
6 20	15 26.48	− 3 27.1	1.973	2.819	13.7	21.5

508348 2016 CB_{123} 5 19.9 338°.85 6°.2/22.6 17

4 11	16 10.08	−32 46.7	1.144	1.973	21.6	19.8
4 21	16 9.19	−33 12.1	1.064	1.961	18.1	19.5
5 1	16 4.40	−33 16.6	1.000	1.950	13.8	19.2
5 11	15 56.43	−32 56.0	0.954	1.940	9.3	19.0
5 21	15 46.62	−32 8.3	0.929	1.931	6.3	18.8
5 31	15 36.89	−30 57.2	0.927	1.923	8.0	18.8
6 10	15 29.12	−29 32.5	0.945	1.917	12.6	19.0
6 20	15 24.57	−28 5.8	0.983	1.912	17.3	19.3

168806 2000 SV_{137} 5 19.9 250°.49 1°.6/19.1 17

4 11	16 15.64	−19 29.2	1.642	2.461	16.5	20.2
4 21	16 11.91	−18 46.0	1.547	2.449	13.1	20.0
5 1	16 5.34	−17 53.1	1.474	2.437	9.0	19.7
5 11	15 56.59	−16 52.8	1.424	2.424	4.4	19.4
5 21	15 46.63	−15 49.2	1.400	2.411	1.9	19.2
5 31	15 36.72	−14 47.9	1.403	2.397	6.3	19.4
6 10	15 28.09	−13 54.9	1.432	2.383	11.0	19.7
6 20	15 21.69	−13 14.9	1.482	2.369	15.2	19.9

497366 2005 UV_{276} 5 19.9 197°.65 0°.2/19.9 17

4 11	16 16.10	−21 12.1	2.264	3.060	13.3	23.1
4 21	16 11.37	−20 52.4	2.169	3.057	10.5	22.9
5 1	16 4.48	−20 25.8	2.097	3.053	7.2	22.7
5 11	15 56.00	−19 53.2	2.050	3.049	3.5	22.4
5 21	15 46.71	−19 16.5	2.032	3.044	0.5	22.2
5 31	15 37.52	−18 38.7	2.042	3.038	4.4	22.5
6 10	15 29.32	−18 3.3	2.081	3.032	8.1	22.7
6 20	15 22.80	−17 33.6	2.144	3.025	11.4	22.9

391363 2006 VF_{36} 5 19.9 112°.78 0°.3/19.7 17

4 11	16 12.07	−21 25.8	2.407	3.207	12.5	21.0
4 21	16 7.97	−20 54.3	2.324	3.214	9.8	20.8
5 1	16 2.01	−20 15.8	2.263	3.221	6.6	20.6
5 11	15 54.74	−19 31.9	2.230	3.228	3.2	20.4
5 21	15 46.87	−18 45.0	2.224	3.236	0.6	20.2
5 31	15 39.19	−17 58.3	2.247	3.242	4.1	20.5
6 10	15 32.45	−17 15.3	2.297	3.249	7.4	20.7
6 20	15 27.20	−16 39.0	2.373	3.256	10.4	20.9

392862 2012 UR_{83} 5 19.9 261°.75 1°.8/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 16.51	−14 27.1	2.203	3.006	13.4	21.1
4 21	16 11.90	−14 31.0	2.096	2.988	10.6	20.9
5 1	16 5.02	−14 34.5	2.011	2.969	7.3	20.6
5 11	15 56.37	−14 38.6	1.952	2.950	3.8	20.4
5 21	15 46.67	−14 44.5	1.922	2.931	1.9	20.2
5 31	15 36.86	−14 53.7	1.919	2.911	5.1	20.4
6 10	15 27.91	−15 7.6	1.944	2.890	8.9	20.5
6 20	15 20.59	−15 27.6	1.994	2.870	12.3	20.7

479795 2014 FW_5 5 19.9 324°.01 2°.5/20.8 17

4 11	16 13.49	−24 35.7	1.826	2.634	15.5	20.5
4 21	16 10.25	−25 13.1	1.725	2.616	12.5	20.2
5 1	16 4.30	−25 44.7	1.644	2.598	9.0	20.0
5 11	15 56.16	−26 8.7	1.587	2.581	5.1	19.7
5 21	15 46.68	−26 23.8	1.556	2.564	2.5	19.5
5 31	15 37.04	−26 30.3	1.551	2.548	5.3	19.6
6 10	15 28.48	−26 30.6	1.571	2.533	9.4	19.8
6 20	15 21.97	−26 28.3	1.615	2.518	13.3	20.0

230058 2000 SD_{193} 5 19.9 190°.05 7°.0/23.4 17

4 11	16 21.12	−38 35.2	2.111	2.852	15.8	20.5
4 21	16 16.17	−39 28.8	2.020	2.851	13.5	20.3
5 1	16 8.25	−40 8.2	1.948	2.850	10.9	20.1
5 11	15 58.01	−40 28.5	1.900	2.849	8.5	20.0
5 21	15 46.48	−40 27.0	1.876	2.847	7.1	19.9
5 31	15 34.99	−40 3.5	1.879	2.845	7.6	19.9
6 10	15 24.85	−39 22.3	1.907	2.843	9.7	20.0
6 20	15 17.05	−38 29.8	1.960	2.840	12.4	20.2

516378 2017 RT_3 5 19.9 308°.57 0°.7/19.7 17

4 11	16 14.70	−18 36.1	1.432	2.263	17.9	20.7
4 21	16 11.68	−18 39.2	1.343	2.251	14.2	20.4
5 1	16 5.50	−18 37.6	1.274	2.239	9.8	20.1
5 11	15 56.79	−18 31.9	1.227	2.228	4.8	19.8
5 21	15 46.62	−18 23.6	1.204	2.216	1.0	19.5
5 31	15 36.39	−18 15.4	1.207	2.205	6.2	19.8
6 10	15 27.57	−18 10.9	1.233	2.195	11.4	20.1
6 20	15 21.24	−18 13.4	1.280	2.184	15.9	20.3

114476 2003 AD_{42} 5 19.9 221°.11 0°.8/20.4 18

4 11	16 16.68	−24 16.4	2.134	2.926	14.1	20.7
4 21	16 12.09	−23 59.0	2.033	2.917	11.3	20.5
5 1	16 5.13	−23 32.1	1.954	2.908	7.8	20.2
5 11	15 56.39	−22 56.0	1.901	2.897	4.0	20.0
5 21	15 46.68	−22 12.1	1.875	2.886	0.8	19.7
5 31	15 37.04	−21 23.6	1.877	2.875	4.5	20.0
6 10	15 28.45	−20 35.2	1.907	2.862	8.4	20.2
6 20	15 21.70	−19 51.2	1.962	2.850	12.0	20.4

359647 2011 RJ_{18} 5 19.9 181°.44 1°.8/20.6 16

4 11	16 20.02	−24 1.9	1.555	2.364	17.8	21.9
4 21	16 15.61	−24 19.0	1.472	2.365	14.2	21.6
5 1	16 8.01	−24 27.4	1.409	2.365	10.0	21.4
5 11	15 57.93	−24 25.8	1.369	2.365	5.3	21.1
5 21	15 46.51	−24 14.0	1.354	2.365	1.8	20.9
5 31	15 35.22	−23 54.2	1.366	2.364	5.7	21.1
6 10	15 25.46	−23 31.0	1.402	2.363	10.4	21.4
6 20	15 18.27	−23 9.5	1.462	2.361	14.6	21.6

227551 2005 YL_{157} 5 19.9 160°.20 0°.3/19.8 17

4 11	16 16.14	−20 52.0	2.369	3.162	12.8	22.1
4 21	16 11.19	−20 31.0	2.283	3.169	10.1	21.9
5 1	16 4.23	−20 3.7	2.220	3.176	6.9	21.8
5 11	15 55.84	−19 31.2	2.183	3.182	3.3	21.5
5 21	15 46.77	−18 55.4	2.175	3.187	0.5	21.3
5 31	15 37.88	−18 19.1	2.196	3.191	4.2	21.6
6 10	15 29.98	−17 45.7	2.245	3.195	7.7	21.8
6 20	15 23.68	−17 17.9	2.319	3.199	10.7	22.0

509734 2008 SW_{268} 5 19.9 253°.65 5°.8/23.2 18

4 11	16 19.77	−37 47.0	2.395	3.132	14.3	22.7
4 21	16 14.83	−38 14.0	2.277	3.109	12.2	22.5
5 1	16 7.23	−38 27.3	2.180	3.087	9.7	22.3
5 11	15 57.52	−38 23.3	2.107	3.063	7.3	22.1
5 21	15 46.55	−37 59.8	2.060	3.039	5.9	21.9
5 31	15 35.48	−37 17.2	2.040	3.014	6.5	21.9
6 10	15 25.46	−36 19.4	2.047	2.988	8.8	22.0
6 20	15 17.44	−35 12.3	2.079	2.962	11.6	22.2

383942 2008 SZ_{258} 5 19.9 246°.97 3°.7/22.3 18

4 11	16 17.14	−32 35.2	2.306	3.070	14.0	21.5
4 21	16 12.55	−32 35.8	2.194	3.053	11.6	21.3
5 1	16 5.52	−32 23.1	2.103	3.035	8.7	21.1
5 11	15 56.61	−31 55.5	2.037	3.017	5.7	20.9
5 21	15 46.67	−31 12.5	1.998	2.998	3.7	20.7
5 31	15 36.72	−30 16.4	1.988	2.979	5.1	20.8
6 10	15 27.83	−29 11.7	2.005	2.959	8.2	20.9
6 20	15 20.79	−28 4.3	2.047	2.938	11.4	21.1

436523 2011 FB_{127} 5 19.9 325°.71 0°.7/19.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 17.28	−15 40.1	1.561	2.384	17.0	20.4
4 21	16 13.49	−16 18.4	1.470	2.373	13.6	20.1
5 1	16 6.65	−16 58.6	1.399	2.362	9.4	19.8
5 11	15 57.35	−17 40.5	1.352	2.352	4.6	19.5
5 21	15 46.58	−18 23.1	1.330	2.342	0.9	19.2
5 31	15 35.68	−19 6.1	1.335	2.333	5.8	19.5
6 10	15 26.05	−19 49.8	1.365	2.324	10.7	19.8
6 20	15 18.76	−20 35.1	1.417	2.316	15.0	20.0

77897 2001 TE_{64} 5 19.9 189°.95 1°.0/21.1 18

4 11	16 5.77	−26 1.1	4.762	5.533	7.1	20.0
4 21	16 2.27	−26 3.5	4.662	5.532	5.7	19.9
5 1	15 57.79	−26 1.5	4.587	5.532	4.0	19.8
5 11	15 52.65	−25 55.4	4.540	5.531	2.2	19.7
5 21	15 47.16	−25 45.5	4.522	5.530	1.0	19.5
5 31	15 41.72	−25 32.7	4.534	5.530	2.2	19.6
6 10	15 36.68	−25 18.3	4.575	5.529	4.0	19.8
6 20	15 32.37	−25 3.5	4.644	5.528	5.7	19.9

162824 2001 BK_{60} 5 19.9 55°.55 7°.4/20.1 18

4 11	16 31.48	− 0 16.7	1.062	1.881	23.6	17.8
4 21	16 25.69	− 1 7.0	0.993	1.885	19.5	17.5
5 1	16 15.52	− 2 21.0	0.940	1.889	14.6	17.3
5 11	16 1.80	− 4 2.5	0.908	1.893	9.7	17.0
5 21	15 46.09	− 6 9.9	0.900	1.898	7.5	16.9
5 31	15 30.55	− 8 36.4	0.918	1.902	10.5	17.1
6 10	15 17.27	−11 12.6	0.960	1.907	15.5	17.4
6 20	15 7.63	−13 49.5	1.023	1.912	20.3	17.7

270397 2002 AV_{188} 5 19.9 117°.30 0°.3/19.8 17

4 11	16 16.53	−20 50.5	2.074	2.875	14.2	21.9
4 21	16 11.70	−20 30.4	2.000	2.890	11.1	21.7
5 1	16 4.66	−20 3.6	1.948	2.906	7.5	21.5
5 11	15 56.06	−19 31.3	1.921	2.920	3.6	21.3
5 21	15 46.78	−18 55.8	1.923	2.934	0.6	21.1
5 31	15 37.77	−18 20.2	1.952	2.948	4.5	21.4
6 10	15 29.94	−17 48.2	2.009	2.961	8.3	21.6
6 20	15 23.92	−17 22.7	2.090	2.974	11.5	21.9

507255 2011 BD_{146} 5 19.9 317°.49 9°.6/24.7 17

4 11	16 17.49	−41 57.5	1.624	2.379	19.3	21.4
4 21	16 14.43	−42 52.3	1.535	2.370	16.9	21.2
5 1	16 7.69	−43 27.0	1.463	2.362	14.1	21.0
5 11	15 57.96	−43 35.0	1.411	2.353	11.4	20.8
5 21	15 46.53	−43 11.8	1.380	2.345	9.7	20.7
5 31	15 35.16	−42 17.6	1.373	2.338	10.0	20.7
6 10	15 25.59	−40 58.9	1.389	2.331	12.1	20.8
6 20	15 19.03	−39 25.5	1.427	2.324	15.1	20.9

241694 2000 SU_{105} 5 19.9 273°.44 4°.0/17.1 16

4 11	16 10.45	−11 7.4	2.291	3.106	12.6	20.4
4 21	16 6.88	−10 7.3	2.197	3.094	10.0	20.2
5 1	16 1.40	− 9 4.8	2.125	3.082	7.1	20.0
5 11	15 54.54	− 8 3.9	2.080	3.069	4.6	19.8
5 21	15 46.95	− 7 8.5	2.063	3.057	4.3	19.8
5 31	15 39.41	− 6 23.0	2.073	3.045	6.6	19.9
6 10	15 32.71	− 5 50.2	2.109	3.033	9.6	20.1
6 20	15 27.46	− 5 31.9	2.168	3.020	12.4	20.2

495991 2007 UY_{7} 5 19.9 198°.54 2°.2/21.1 17

4 11	16 19.94	−27 19.3	2.092	2.873	14.7	22.3
4 21	16 14.76	−27 19.4	1.995	2.869	11.9	22.1
5 1	16 7.02	−27 8.8	1.919	2.865	8.5	21.9
5 11	15 57.34	−26 46.6	1.868	2.859	4.8	21.6
5 21	15 46.63	−26 13.2	1.845	2.853	2.2	21.5
5 31	15 36.00	−25 31.1	1.850	2.846	4.7	21.6
6 10	15 26.57	−24 44.7	1.883	2.838	8.5	21.8
6 20	15 19.13	−23 59.3	1.941	2.830	12.1	22.0

385420 2003 CT_{21} 5 19.9 1°.55 15°.3/ 9.8 16

4 11	16 10.45	+19 32.2	1.823	2.578	17.5	19.8
4 21	16 7.27	+21 11.5	1.777	2.576	16.4	19.7
5 1	16 1.82	+22 28.2	1.748	2.576	15.6	19.6
5 11	15 54.75	+23 14.0	1.739	2.576	15.3	19.6
5 21	15 46.94	+23 23.8	1.748	2.577	15.7	19.6
5 31	15 39.38	+22 55.8	1.775	2.579	16.6	19.7
6 10	15 32.98	+21 52.4	1.820	2.581	17.8	19.8
6 20	15 28.41	+20 18.8	1.880	2.584	19.1	19.9

45693 2000 EB_{150} 5 19.9 147°.23 5°.3/16.8 18

4 11	16 14.66	− 2 7.0	2.713	3.502	11.5	19.3
4 21	16 9.60	− 1 33.7	2.640	3.512	9.4	19.2
5 1	16 2.94	− 1 5.7	2.590	3.523	7.2	19.0
5 11	15 55.17	− 0 46.2	2.567	3.533	5.6	18.9
5 21	15 46.90	− 0 37.5	2.572	3.542	5.5	18.9
5 31	15 38.79	− 0 41.3	2.605	3.550	6.9	19.0
6 10	15 31.49	− 0 58.1	2.665	3.558	9.0	19.2
6 20	15 25.48	− 1 27.1	2.749	3.566	11.1	19.3

64071 2001 SQ_{276} 5 19.9 221°.85 3°.9/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 12.81	− 8 47.8	2.353	3.160	12.5	19.4
4 21	16 8.61	− 8 21.6	2.265	3.156	9.9	19.2
5 1	16 2.52	− 7 57.0	2.200	3.152	7.1	19.0
5 11	15 55.06	− 7 36.8	2.161	3.148	4.6	18.9
5 21	15 46.90	− 7 23.7	2.149	3.144	4.1	18.8
5 31	15 38.81	− 7 19.8	2.165	3.139	6.2	18.9
6 10	15 31.58	− 7 26.6	2.208	3.135	9.0	19.1
6 20	15 25.79	− 7 44.3	2.274	3.130	11.8	19.3

93762 2000 WB_{18} 5 19.9 287°.64 0°.9/20.3 18

4 11	16 16.27	−21 25.0	1.804	2.613	15.6	20.0
4 21	16 12.46	−21 44.9	1.698	2.592	12.6	19.8
5 1	16 5.85	−22 0.1	1.613	2.571	8.8	19.5
5 11	15 56.96	−22 9.7	1.552	2.550	4.5	19.2
5 21	15 46.66	−22 13.6	1.517	2.528	1.0	18.9
5 31	15 36.16	−22 12.8	1.509	2.507	5.2	19.1
6 10	15 26.71	−22 10.2	1.527	2.486	9.8	19.3
6 20	15 19.36	−22 9.0	1.567	2.464	14.0	19.5

460403 2014 SU_{106} 5 19.9 100°.09 1°.0/19.5 16

4 11	16 18.06	−19 11.7	1.580	2.397	17.1	22.1
4 21	16 13.58	−18 52.0	1.511	2.412	13.4	21.9
5 1	16 6.28	−18 25.6	1.464	2.426	9.1	21.7
5 11	15 56.95	−17 54.4	1.440	2.439	4.4	21.4
5 21	15 46.70	−17 21.2	1.442	2.453	1.3	21.2
5 31	15 36.80	−16 49.8	1.470	2.466	5.7	21.6
6 10	15 28.44	−16 24.5	1.524	2.479	10.2	21.8
6 20	15 22.39	−16 8.5	1.600	2.491	14.0	22.1

3292 Sather 5 19.9 183°.59 0°.2/20.1 18

4 11	16 12.59	−21 45.4	2.921	3.709	10.8	19.0
4 21	16 8.14	−21 37.7	2.826	3.709	8.5	18.8
5 1	16 2.05	−21 24.9	2.755	3.709	5.8	18.6
5 11	15 54.79	−21 7.5	2.710	3.708	2.9	18.4
5 21	15 46.94	−20 46.5	2.695	3.707	0.4	18.2
5 31	15 39.18	−20 23.9	2.709	3.706	3.4	18.4
6 10	15 32.15	−20 1.8	2.752	3.704	6.3	18.6
6 20	15 26.38	−19 42.5	2.821	3.702	9.0	18.8

323386 2003 YU_{73} 5 19.9 222°.15 2°.2/21.1 17

4 11	16 18.98	−27 19.7	2.047	2.831	14.9	21.8
4 21	16 14.16	−27 18.3	1.944	2.820	12.1	21.6
5 1	16 6.71	−27 5.9	1.863	2.809	8.6	21.4
5 11	15 57.25	−26 41.6	1.806	2.797	4.9	21.1
5 21	15 46.66	−26 5.6	1.776	2.785	2.2	20.9
5 31	15 36.09	−25 20.6	1.775	2.771	4.8	21.1
6 10	15 26.67	−24 31.2	1.801	2.757	8.8	21.3
6 20	15 19.27	−23 42.8	1.851	2.742	12.5	21.5

98751 2000 YN_{52} 5 19.9 68°.41 0°.1/19.9 18

4 11	16 15.13	−20 0.2	1.846	2.658	15.2	19.4
4 21	16 11.07	−20 0.7	1.766	2.662	12.0	19.2
5 1	16 4.52	−19 55.9	1.706	2.667	8.2	19.0
5 11	15 56.12	−19 46.2	1.672	2.671	4.0	18.7
5 21	15 46.80	−19 33.1	1.664	2.676	0.5	18.4
5 31	15 37.63	−19 18.9	1.682	2.680	4.9	18.8
6 10	15 29.68	−19 6.7	1.727	2.685	9.0	19.0
6 20	15 23.71	−18 59.4	1.796	2.689	12.7	19.3

474783 2005 QR_{138} 5 19.9 229°.82 0°.6/19.6 16

4 11	16 12.44	−18 54.5	2.752	3.548	11.2	23.0
4 21	16 8.17	−18 41.0	2.649	3.538	8.8	22.9
5 1	16 2.17	−18 23.3	2.571	3.528	6.0	22.7
5 11	15 54.89	−18 2.6	2.518	3.517	2.9	22.4
5 21	15 46.95	−17 40.1	2.495	3.506	0.8	22.2
5 31	15 39.03	−17 17.9	2.501	3.495	3.8	22.5
6 10	15 31.84	−16 58.4	2.535	3.484	7.0	22.6
6 20	15 25.93	−16 43.6	2.594	3.472	9.8	22.8

65713 1992 UQ_{1} 5 19.9 140°.85 2°.1/20.9 18

4 11	16 21.13	−25 21.0	1.921	2.710	15.6	19.1
4 21	16 15.76	−25 41.0	1.841	2.721	12.5	18.9
5 1	16 7.70	−25 52.6	1.783	2.732	8.8	18.7
5 11	15 57.66	−25 54.3	1.749	2.742	4.8	18.5
5 21	15 46.64	−25 46.1	1.742	2.751	2.1	18.3
5 31	15 35.82	−25 29.6	1.763	2.760	4.9	18.6
6 10	15 26.35	−25 8.6	1.812	2.768	8.8	18.8
6 20	15 19.05	−24 47.5	1.884	2.775	12.3	19.0

235571 2004 JC_{35} 5 19.9 287°.63 2°.3/18.8 18

4 11	16 13.52	−17 36.2	1.750	2.571	15.6	20.1
4 21	16 10.24	−16 53.5	1.642	2.545	12.4	19.8
5 1	16 4.28	−16 2.4	1.554	2.518	8.6	19.6
5 11	15 56.18	−15 5.6	1.491	2.490	4.4	19.2
5 21	15 46.79	−14 6.9	1.454	2.463	2.5	19.0
5 31	15 37.26	−13 11.6	1.443	2.435	6.5	19.2
6 10	15 28.77	−12 25.3	1.458	2.407	11.0	19.4
6 20	15 22.30	−11 52.1	1.495	2.379	15.3	19.6

502382 2015 BT_{243} 5 19.9 215°.14 1°.8/21.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 17.90	−26 42.2	2.097	2.883	14.5	22.5
4 21	16 13.17	−26 35.1	1.997	2.875	11.7	22.3
5 1	16 5.96	−26 17.3	1.918	2.867	8.3	22.1
5 11	15 56.85	−25 48.2	1.865	2.858	4.6	21.8
5 21	15 46.74	−25 8.8	1.839	2.848	1.8	21.6
5 31	15 36.68	−24 21.8	1.841	2.838	4.6	21.8
6 10	15 27.76	−23 31.8	1.871	2.827	8.5	22.0
6 20	15 20.76	−22 43.9	1.925	2.816	12.1	22.2

512681 2016 TS_{89} 5 19.9 278°.95 0°.8/19.5 18

4 11	16 11.98	−18 48.5	2.353	3.159	12.6	22.2
4 21	16 8.20	−18 31.7	2.247	3.141	9.9	22.0
5 1	16 2.41	−18 9.9	2.164	3.124	6.8	21.8
5 11	15 55.10	−17 44.3	2.107	3.106	3.3	21.5
5 21	15 46.94	−17 16.8	2.077	3.088	1.0	21.3
5 31	15 38.76	−16 50.0	2.075	3.070	4.5	21.5
6 10	15 31.40	−16 26.8	2.101	3.052	8.0	21.7
6 20	15 25.52	−16 9.7	2.151	3.034	11.3	21.9

238153 2003 SY_{46} 5 19.9 282°.37 6°.9/22.6 18

4 11	16 19.38	−36 28.8	2.044	2.799	15.8	20.3
4 21	16 15.20	−37 25.5	1.929	2.773	13.6	20.1
5 1	16 7.94	−38 10.6	1.834	2.747	10.9	19.9
5 11	15 58.10	−38 39.0	1.762	2.720	8.4	19.7
5 21	15 46.58	−38 46.7	1.715	2.694	6.9	19.5
5 31	15 34.71	−38 32.6	1.694	2.667	7.7	19.5
6 10	15 23.94	−37 59.6	1.699	2.639	10.3	19.6
6 20	15 15.46	−37 13.7	1.726	2.612	13.5	19.7

364117 2006 AS_{57} 5 19.9 221°.62 0°.7/20.4 18

4 11	16 16.55	−23 49.8	2.480	3.264	12.6	21.3
4 21	16 11.67	−23 34.5	2.373	3.253	10.0	21.1
5 1	16 4.71	−23 11.2	2.289	3.240	7.0	20.9
5 11	15 56.19	−22 40.1	2.231	3.227	3.5	20.6
5 21	15 46.83	−22 2.5	2.201	3.213	0.7	20.4
5 31	15 37.49	−21 20.9	2.201	3.198	4.0	20.6
6 10	15 29.04	−20 39.0	2.230	3.183	7.5	20.8
6 20	15 22.16	−20 0.4	2.284	3.166	10.8	21.0

353160 2009 HW_{73} 5 19.9 335°.46 8°.2/17.4 18

4 11	16 13.78	+ 1 14.5	1.772	2.583	15.8	19.7
4 21	16 10.10	+ 1 32.5	1.687	2.569	13.3	19.5
5 1	16 3.95	+ 1 38.9	1.621	2.555	10.6	19.3
5 11	15 55.92	+ 1 28.6	1.578	2.543	8.6	19.1
5 21	15 46.86	+ 0 58.1	1.560	2.530	8.3	19.1
5 31	15 37.81	+ 0 5.9	1.567	2.519	10.1	19.1
6 10	15 29.82	− 1 6.8	1.598	2.509	12.9	19.3
6 20	15 23.71	− 2 36.5	1.650	2.499	15.8	19.4

137312 1999 TK_{10} 5 19.9 204°.50 1°.8/18.2 18

4 11	16 7.40	−13 10.9	3.820	4.617	8.3	21.0
4 21	16 3.67	−12 43.1	3.724	4.613	6.5	20.9
5 1	15 58.83	−12 14.3	3.654	4.609	4.5	20.7
5 11	15 53.20	−11 45.9	3.611	4.604	2.5	20.6
5 21	15 47.18	−11 19.6	3.597	4.600	2.0	20.5
5 31	15 41.22	−10 57.1	3.613	4.595	3.6	20.6
6 10	15 35.75	−10 39.7	3.658	4.590	5.6	20.8
6 20	15 31.12	−10 28.6	3.728	4.584	7.6	20.9

128571 2004 PB_{100} 5 19.9 324°.61 0°.8/19.8 18

4 11	16 18.56	−15 26.1	1.613	2.431	16.8	19.4
4 21	16 14.35	−16 3.2	1.524	2.424	13.3	19.1
5 1	16 7.16	−16 42.1	1.456	2.418	9.2	18.8
5 11	15 57.60	−17 22.4	1.412	2.412	4.5	18.6
5 21	15 46.66	−18 3.4	1.394	2.406	1.0	18.3
5 31	15 35.66	−18 44.7	1.403	2.400	5.7	18.6
6 10	15 25.93	−19 26.8	1.437	2.395	10.4	18.8
6 20	15 18.50	−20 10.6	1.494	2.390	14.6	19.1

82847 2001 QJ_{52} 5 19.9 252°.09 0°.5/20.3 18

4 11	16 13.43	−22 39.2	2.253	3.052	13.3	20.0
4 21	16 9.42	−22 33.1	2.155	3.044	10.5	19.8
5 1	16 3.27	−22 20.0	2.080	3.036	7.3	19.5
5 11	15 55.52	−22 0.4	2.031	3.028	3.6	19.3
5 21	15 46.91	−21 35.3	2.009	3.020	0.6	19.0
5 31	15 38.36	−21 7.2	2.015	3.012	4.2	19.3
6 10	15 30.75	−20 39.4	2.048	3.004	7.9	19.5
6 20	15 24.77	−20 14.9	2.106	2.996	11.2	19.7

125633 2001 XY_{59} 5 19.9 194°.14 0°.2/19.9 18

4 11	16 16.26	−21 6.1	2.266	3.061	13.3	20.9
4 21	16 11.52	−20 50.0	2.171	3.059	10.5	20.7
5 1	16 4.63	−20 27.4	2.100	3.056	7.2	20.5
5 11	15 56.15	−19 59.1	2.054	3.053	3.5	20.2
5 21	15 46.86	−19 26.7	2.037	3.049	0.5	20.0
5 31	15 37.66	−18 53.0	2.048	3.045	4.3	20.3
6 10	15 29.46	−18 21.5	2.088	3.039	8.0	20.5
6 20	15 22.92	−17 55.3	2.151	3.034	11.3	20.7

39677 Anagaribaldi 5 19.9 230°.84 2°.1/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 11	16 10.80	−15 25.5	2.612	3.418	11.5	19.0
4 21	16 6.91	−14 44.5	2.518	3.412	9.0	18.8
5 1	16 1.31	−14 0.0	2.446	3.405	6.2	18.6
5 11	15 54.49	−13 14.1	2.402	3.398	3.3	18.4
5 21	15 47.05	−12 29.8	2.386	3.391	2.3	18.3
5 31	15 39.69	−11 50.0	2.398	3.384	4.8	18.5
6 10	15 33.10	−11 17.5	2.438	3.377	7.7	18.6
6 20	15 27.81	−10 54.4	2.503	3.369	10.5	18.8

392442 2010 RW_{161} 5 19.9 265°.23 0°.8/19.4 17

4 11	16 11.21	−20 3.9	2.412	3.216	12.3	21.2
4 21	16 7.46	−19 29.7	2.313	3.206	9.7	21.0
5 1	16 1.81	−18 48.8	2.238	3.197	6.6	20.8
5 11	15 54.77	−18 3.0	2.188	3.187	3.2	20.5
5 21	15 47.02	−17 14.6	2.167	3.178	1.0	20.3
5 31	15 39.34	−16 27.1	2.174	3.168	4.3	20.6
6 10	15 32.51	−15 43.9	2.208	3.158	7.8	20.8
6 20	15 27.13	−15 8.2	2.267	3.149	10.9	20.9

352060 2006 WF_{50} 5 19.9 220°.06 1°.3/19.1 18

4 11	16 12.24	−17 0.7	2.615	3.416	11.6	21.9
4 21	16 8.07	−16 39.4	2.518	3.410	9.1	21.7
5 1	16 2.13	−16 14.5	2.445	3.403	6.2	21.5
5 11	15 54.90	−15 47.7	2.398	3.397	3.1	21.3
5 21	15 47.01	−15 20.7	2.380	3.390	1.5	21.1
5 31	15 39.17	−14 56.0	2.391	3.382	4.3	21.3
6 10	15 32.11	−14 36.0	2.429	3.374	7.4	21.5
6 20	15 26.39	−14 22.7	2.492	3.367	10.3	21.7

335172 2004 YS_{9} 5 20.0 276°.06 1°.3/19.4 17

4 11	16 14.86	−17 37.3	1.954	2.766	14.5	21.3
4 21	16 10.99	−17 23.6	1.847	2.744	11.5	21.0
5 1	16 4.64	−17 5.3	1.761	2.722	8.0	20.8
5 11	15 56.33	−16 43.6	1.700	2.699	3.9	20.5
5 21	15 46.84	−16 20.7	1.666	2.676	1.5	20.2
5 31	15 37.24	−15 59.3	1.659	2.653	5.4	20.5
6 10	15 28.59	−15 42.8	1.678	2.630	9.7	20.7
6 20	15 21.78	−15 34.0	1.721	2.606	13.5	20.8

22928 Templehe 5 20.0 30°.32 0°.8/19.7 18

4 11	16 13.41	−20 8.5	1.251	2.093	19.4	18.1
4 21	16 10.71	−19 48.4	1.187	2.101	15.3	17.8
5 1	16 4.75	−19 19.3	1.142	2.109	10.4	17.6
5 11	15 56.37	−18 43.5	1.118	2.119	5.0	17.3
5 21	15 46.85	−18 4.5	1.118	2.129	1.1	17.1
5 31	15 37.70	−17 27.5	1.141	2.140	6.4	17.4
6 10	15 30.30	−16 57.8	1.188	2.152	11.5	17.7
6 20	15 25.53	−16 39.4	1.256	2.164	15.9	18.0

431894 2008 SN_{284} 5 20.0 236°.45 1°.1/20.6 18

4 11	16 14.51	−24 41.1	2.048	2.847	14.4	21.7
4 21	16 10.50	−24 28.7	1.954	2.841	11.5	21.5
5 1	16 4.13	−24 6.7	1.881	2.836	8.0	21.3
5 11	15 55.98	−23 35.3	1.834	2.830	4.2	21.1
5 21	15 46.91	−22 56.1	1.813	2.824	1.1	20.8
5 31	15 37.94	−22 12.1	1.820	2.818	4.5	21.0
6 10	15 30.05	−21 27.8	1.853	2.811	8.4	21.3
6 20	15 24.01	−20 47.4	1.911	2.805	12.0	21.5

264488 2001 PE 5 20.0 222°.78 19°.8/ 8.8 18

4 11	16 18.49	+19 46.2	1.328	2.096	22.3	20.1
4 21	16 14.54	+22 5.0	1.282	2.092	20.9	20.0
5 1	16 7.30	+23 56.3	1.252	2.088	20.0	19.9
5 11	15 57.62	+25 6.8	1.238	2.083	19.8	19.9
5 21	15 46.74	+25 27.6	1.240	2.078	20.4	19.9
5 31	15 36.16	+24 55.3	1.259	2.073	21.6	19.9
6 10	15 27.29	+23 33.6	1.293	2.067	23.2	20.0
6 20	15 21.05	+21 31.0	1.340	2.061	24.9	20.2

230303 2002 AB_{105} 5 20.0 85°.45 1°.3/19.4 17

4 11	16 16.44	−17 42.1	1.806	2.619	15.5	20.8
4 21	16 11.95	−17 28.6	1.737	2.635	12.1	20.6
5 1	16 5.02	−17 10.9	1.690	2.651	8.2	20.4
5 11	15 56.35	−16 50.4	1.668	2.667	4.0	20.2
5 21	15 46.89	−16 29.6	1.672	2.683	1.5	20.1
5 31	15 37.74	−16 11.1	1.703	2.698	5.3	20.3
6 10	15 29.90	−15 58.1	1.761	2.713	9.2	20.6
6 20	15 24.05	−15 52.7	1.842	2.729	12.7	20.9

122537 2000 QX_{218} 5 20.0 276°.88 1°.9/20.8 18

4 11	16 15.79	−25 3.8	1.825	2.628	15.7	20.1
4 21	16 12.06	−25 13.1	1.722	2.611	12.7	19.8
5 1	16 5.56	−25 13.4	1.640	2.594	9.0	19.6
5 11	15 56.84	−25 3.8	1.581	2.576	4.9	19.3
5 21	15 46.82	−24 44.2	1.549	2.559	1.9	19.0
5 31	15 36.71	−24 16.7	1.543	2.541	5.1	19.2
6 10	15 27.73	−23 45.5	1.563	2.523	9.5	19.4
6 20	15 20.87	−23 15.5	1.606	2.505	13.5	19.6