153671 2001 TF_{188} 7 2.9 120°.55 5°.9/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 21.70	−38 7.2	2.071	2.925	12.8	20.5
6 10	19 14.04	−39 4.0	2.021	2.943	10.0	20.3
6 20	19 3.98	−39 51.2	1.994	2.961	7.4	20.2
6 30	18 52.44	−40 23.0	1.993	2.978	5.9	20.1
7 10	18 40.67	−40 36.3	2.019	2.994	6.7	20.2
7 20	18 29.91	−40 31.1	2.071	3.010	8.9	20.4
7 30	18 21.21	−40 10.2	2.148	3.025	11.5	20.6
8 9	18 15.25	−39 38.2	2.246	3.040	13.9	20.8

137790 1999 XJ_{239} 7 2.9 281°.32 6°.0/ 1.5 18

5 31	19 19.64	−34 24.6	1.588	2.463	14.9	20.6
6 10	19 13.67	−35 24.1	1.497	2.436	11.6	20.3
6 20	19 4.42	−36 19.2	1.428	2.409	8.2	20.1
6 30	18 52.69	−37 2.1	1.383	2.381	6.1	19.9
7 10	18 39.87	−37 26.5	1.363	2.353	7.4	19.9
7 20	18 27.65	−37 29.3	1.367	2.325	11.0	20.0
7 30	18 17.70	−37 12.3	1.395	2.296	15.0	20.2
8 9	18 11.19	−36 40.6	1.441	2.267	18.7	20.3

48222 2001 KJ_{42} 7 2.9 212°.05 2°.9/ 3.7 18

5 31	19 14.92	−14 40.0	1.700	2.567	14.4	19.9
6 10	19 9.26	−14 46.3	1.626	2.564	10.9	19.7
6 20	19 1.32	−15 2.3	1.574	2.560	6.9	19.4
6 30	18 51.87	−15 27.2	1.547	2.557	3.4	19.2
7 10	18 41.96	−15 59.0	1.546	2.553	4.2	19.3
7 20	18 32.73	−16 35.2	1.572	2.548	8.1	19.5
7 30	18 25.23	−17 13.6	1.622	2.543	12.0	19.7
8 9	18 20.20	−17 52.2	1.693	2.538	15.5	19.9

481472 2007 BT_{33} 7 2.9 223°.03 0°.1/ 3.0 16

5 31	19 12.11	−21 52.2	2.647	3.510	10.0	22.8
6 10	19 6.57	−22 1.2	2.562	3.502	7.3	22.6
6 20	18 59.50	−22 12.1	2.502	3.494	4.3	22.4
6 30	18 51.42	−22 23.3	2.470	3.485	1.0	22.1
7 10	18 43.04	−22 33.7	2.466	3.476	2.3	22.2
7 20	18 35.10	−22 42.4	2.491	3.466	5.6	22.4
7 30	18 28.30	−22 49.1	2.543	3.457	8.6	22.6
8 9	18 23.16	−22 54.0	2.619	3.446	11.2	22.8

116167 2003 XG_{1} 7 2.9 175°.35 1°.1/ 2.7 18

5 31	19 14.55	−24 41.9	2.444	3.309	10.7	20.7
6 10	19 8.46	−25 15.9	2.370	3.311	7.8	20.5
6 20	19 0.64	−25 50.9	2.321	3.313	4.6	20.3
6 30	18 51.69	−26 24.0	2.300	3.314	1.4	20.1
7 10	18 42.43	−26 52.9	2.307	3.315	2.8	20.2
7 20	18 33.71	−27 16.0	2.344	3.315	6.1	20.4
7 30	18 26.29	−27 33.0	2.406	3.315	9.2	20.6
8 9	18 20.79	−27 44.6	2.492	3.315	11.8	20.8

273860 2007 GS_{59} 7 2.9 345°.51 0°.7/ 2.9 16

5 31	19 10.81	−24 5.0	1.249	2.151	16.3	20.2
6 10	19 7.02	−24 9.9	1.181	2.140	12.0	19.9
6 20	19 0.33	−24 16.6	1.132	2.130	7.1	19.6
6 30	18 51.67	−24 22.3	1.106	2.122	1.8	19.3
7 10	18 42.45	−24 24.5	1.104	2.115	4.0	19.4
7 20	18 34.17	−24 22.3	1.124	2.109	9.4	19.7
7 30	18 28.17	−24 16.0	1.166	2.104	14.2	20.0
8 9	18 25.34	−24 6.9	1.226	2.100	18.4	20.2

280633 2004 XH_{162} 7 2.9 277°.59 1°.8/ 2.5 18

5 31	19 16.15	−25 47.5	1.975	2.847	12.5	20.3
6 10	19 10.34	−26 24.1	1.874	2.818	9.3	20.0
6 20	19 2.12	−27 2.7	1.796	2.788	5.6	19.8
6 30	18 52.11	−27 39.4	1.745	2.758	2.1	19.5
7 10	18 41.31	−28 10.5	1.721	2.727	3.8	19.5
7 20	18 30.88	−28 33.6	1.724	2.696	7.9	19.7
7 30	18 21.98	−28 48.2	1.752	2.664	11.8	19.9
8 9	18 15.53	−28 55.3	1.802	2.632	15.4	20.0

9607 1992 DS_{6} 7 2.9 351°.40 8°.3/ 1.9 18

5 31	19 10.01	−37 38.0	1.131	2.033	17.6	15.9
6 10	19 7.09	−38 29.4	1.070	2.020	14.0	15.7
6 20	19 0.65	−39 8.7	1.027	2.009	10.4	15.4
6 30	18 51.77	−39 27.4	1.005	2.000	8.4	15.3
7 10	18 42.25	−39 20.2	1.003	1.993	9.4	15.3
7 20	18 33.97	−38 46.6	1.023	1.988	12.8	15.5
7 30	18 28.58	−37 51.5	1.061	1.985	16.7	15.7
8 9	18 27.02	−36 42.2	1.117	1.984	20.3	15.9

262813 2007 AN_{8} 7 2.9 15°.02 3°.0/ 4.0 18

5 31	19 10.30	−12 44.9	1.986	2.849	12.9	20.2
6 10	19 5.57	−13 6.1	1.916	2.851	9.7	20.0
6 20	18 59.03	−13 38.0	1.869	2.853	6.3	19.8
6 30	18 51.33	−14 19.4	1.848	2.856	3.4	19.6
7 10	18 43.31	−15 7.9	1.854	2.859	3.8	19.7
7 20	18 35.86	−16 0.8	1.886	2.862	7.0	19.9
7 30	18 29.80	−16 55.1	1.944	2.866	10.3	20.1
8 9	18 25.75	−17 48.5	2.024	2.870	13.3	20.3

357015 1999 VH_{117} 7 2.9 110°.66 5°.5/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 15.99	−38 43.3	2.341	3.196	11.4	20.8
6 10	19 9.81	−39 32.7	2.278	3.200	9.0	20.6
6 20	19 1.52	−40 13.7	2.238	3.204	6.8	20.5
6 30	18 51.91	−40 41.7	2.225	3.208	5.6	20.4
7 10	18 41.98	−40 53.8	2.238	3.212	6.3	20.5
7 20	18 32.78	−40 49.7	2.278	3.216	8.3	20.6
7 30	18 25.25	−40 31.2	2.342	3.220	10.7	20.8
8 9	18 20.05	−40 1.8	2.428	3.224	12.9	20.9

358806 2008 EL_{79} 7 2.9 127°.13 3°.9/ 4.1 17

5 31	19 11.25	− 9 36.8	2.625	3.464	10.9	21.8
6 10	19 5.75	− 9 22.7	2.561	3.477	8.4	21.6
6 20	18 58.91	− 9 17.3	2.521	3.489	5.9	21.5
6 30	18 51.27	− 9 20.8	2.507	3.502	4.1	21.4
7 10	18 43.49	− 9 32.7	2.522	3.514	4.3	21.4
7 20	18 36.20	− 9 52.1	2.565	3.525	6.3	21.6
7 30	18 30.03	−10 17.3	2.634	3.536	8.7	21.7
8 9	18 25.40	−10 46.7	2.726	3.547	11.0	21.9

137378 1999 TS_{136} 7 2.9 263°.94 4°.7/ 2.1 17

5 31	19 18.71	−32 21.6	1.568	2.446	14.9	20.1
6 10	19 12.65	−33 2.9	1.491	2.435	11.3	19.9
6 20	19 3.60	−33 39.4	1.436	2.423	7.5	19.6
6 30	18 52.46	−34 4.8	1.405	2.410	4.8	19.5
7 10	18 40.64	−34 14.6	1.400	2.398	6.1	19.5
7 20	18 29.68	−34 7.6	1.420	2.385	9.9	19.7
7 30	18 21.00	−33 45.9	1.462	2.372	13.9	19.9
8 9	18 15.54	−33 14.0	1.524	2.360	17.4	20.1

381930 2010 CQ_{146} 7 2.9 85°.85 1°.8/ 2.8 17

5 31	19 17.69	−27 52.3	1.912	2.784	12.9	21.2
6 10	19 10.87	−28 0.0	1.863	2.806	9.4	21.0
6 20	19 2.00	−28 4.7	1.837	2.828	5.6	20.8
6 30	18 51.99	−28 3.8	1.837	2.850	2.1	20.6
7 10	18 41.91	−27 56.0	1.865	2.872	3.5	20.8
7 20	18 32.82	−27 41.4	1.920	2.893	7.1	21.0
7 30	18 25.60	−27 21.8	2.000	2.914	10.5	21.3
8 9	18 20.79	−26 59.2	2.102	2.935	13.4	21.5

257615 1999 TJ_{71} 7 2.9 76°.10 5°.7/ 1.9 17

5 31	19 19.29	−33 53.5	1.444	2.325	15.7	20.3
6 10	19 13.06	−34 49.1	1.389	2.332	12.0	20.1
6 20	19 3.76	−35 37.6	1.354	2.338	8.2	19.9
6 30	18 52.46	−36 11.6	1.344	2.344	5.8	19.8
7 10	18 40.74	−36 26.6	1.358	2.351	7.0	19.8
7 20	18 30.22	−36 21.9	1.396	2.357	10.4	20.0
7 30	18 22.26	−36 0.5	1.456	2.364	14.1	20.3
8 9	18 17.67	−35 27.7	1.536	2.370	17.4	20.5

84136 2002 RK_{51} 7 2.9 278°.21 1°.6/ 3.4 18

5 31	19 12.43	−17 49.5	1.951	2.822	12.7	19.7
6 10	19 7.29	−17 57.1	1.869	2.811	9.5	19.4
6 20	19 0.13	−18 10.8	1.809	2.800	5.8	19.2
6 30	18 51.61	−18 29.5	1.776	2.789	2.1	18.9
7 10	18 42.65	−18 51.4	1.769	2.778	3.2	19.0
7 20	18 34.23	−19 14.9	1.789	2.767	7.1	19.2
7 30	18 27.28	−19 38.7	1.834	2.756	10.9	19.4
8 9	18 22.50	−20 1.9	1.901	2.745	14.1	19.6

323730 2005 LM_{4} 7 2.9 73°.45 1°.3/ 3.3 17

5 31	19 15.25	−17 58.0	1.449	2.330	15.7	20.7
6 10	19 9.75	−18 26.3	1.389	2.336	11.6	20.5
6 20	19 1.70	−19 3.5	1.349	2.343	6.9	20.2
6 30	18 51.98	−19 46.6	1.334	2.349	2.1	19.9
7 10	18 41.86	−20 31.8	1.345	2.355	3.7	20.0
7 20	18 32.64	−21 15.7	1.381	2.361	8.4	20.3
7 30	18 25.49	−21 56.1	1.440	2.368	12.8	20.6
8 9	18 21.18	−22 31.9	1.519	2.374	16.5	20.9

295941 2008 XR_{20} 7 3.0 244°.61 0°.0/ 2.8 18

5 31	19 13.65	−21 2.6	1.988	2.860	12.4	20.9
6 10	19 8.19	−21 31.3	1.909	2.854	9.1	20.7
6 20	19 0.66	−22 4.5	1.854	2.847	5.4	20.5
6 30	18 51.76	−22 39.6	1.825	2.840	1.3	20.2
7 10	18 42.42	−23 13.8	1.823	2.833	2.9	20.3
7 20	18 33.63	−23 45.0	1.849	2.826	7.0	20.5
7 30	18 26.36	−24 12.0	1.900	2.819	10.7	20.7
8 9	18 21.30	−24 34.6	1.973	2.811	13.9	20.9

38357 1999 RE_{154} 7 3.0 304°.01 7°.9/ 2.2 18

5 31	19 20.56	−41 48.4	1.667	2.526	15.1	17.9
6 10	19 14.06	−42 20.7	1.592	2.514	12.2	17.6
6 20	19 4.41	−42 38.7	1.538	2.501	9.5	17.5
6 30	18 52.66	−42 35.5	1.508	2.489	7.9	17.3
7 10	18 40.39	−42 7.4	1.502	2.476	8.6	17.3
7 20	18 29.26	−41 15.0	1.520	2.464	11.1	17.5
7 30	18 20.69	−40 3.5	1.561	2.453	14.2	17.6
8 9	18 15.54	−38 40.4	1.622	2.441	17.2	17.8

344478 2002 PY_{165} 7 3.0 337.°56 1.°5/ 3.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 12.07	−18 15.1	1.699	2.578	13.9	20.6
6 10	19 7.22	−18 25.2	1.627	2.574	10.3	20.4
6 20	19 0.16	−18 42.1	1.577	2.569	6.2	20.1
6 30	18 51.65	−19 4.2	1.552	2.566	2.1	19.8
7 10	18 42.72	−19 29.4	1.552	2.562	3.4	19.9
7 20	18 34.46	−19 55.6	1.579	2.559	7.7	20.2
7 30	18 27.91	−20 21.4	1.630	2.556	11.7	20.4
8 9	18 23.76	−20 45.8	1.701	2.554	15.1	20.6

309653 2008 DS_{29} 7 3.0 57.°91 2.°7/ 2.5 18

5 31	19 14.31	−30 11.1	2.064	2.937	12.0	20.6
6 10	19 8.54	−30 29.5	2.001	2.944	8.9	20.5
6 20	19 0.76	−30 43.9	1.961	2.950	5.6	20.3
6 30	18 51.76	−30 51.4	1.947	2.957	2.9	20.1
7 10	18 42.54	−30 50.2	1.961	2.964	4.0	20.2
7 20	18 34.09	−30 40.0	2.001	2.971	7.2	20.4
7 30	18 27.29	−30 22.2	2.067	2.978	10.4	20.6
8 9	18 22.76	−29 59.1	2.154	2.985	13.2	20.8

341136 2007 OW_{4} 7 3.0 337.°12 8.°3/ 2.2 16

5 31	19 18.12	−41 21.3	1.485	2.355	16.0	20.0
6 10	19 12.50	−41 57.4	1.417	2.345	13.0	19.8
6 20	19 3.59	−42 18.6	1.369	2.336	10.0	19.6
6 30	18 52.49	−42 17.6	1.343	2.327	8.3	19.5
7 10	18 40.88	−41 50.5	1.341	2.319	9.1	19.5
7 20	18 30.51	−40 58.3	1.362	2.312	11.7	19.6
7 30	18 22.86	−39 46.4	1.405	2.305	15.0	19.8
8 9	18 18.78	−38 22.6	1.467	2.300	18.1	20.0

394682 2008 CD_{126} 7 3.0 10.°94 0.°4/ 2.9 18

5 31	19 12.80	−24 12.7	1.917	2.795	12.6	20.9
6 10	19 7.51	−24 13.2	1.849	2.796	9.2	20.7
6 20	19 0.21	−24 14.1	1.803	2.798	5.4	20.5
6 30	18 51.65	−24 13.4	1.784	2.799	1.3	20.2
7 10	18 42.82	−24 10.0	1.791	2.801	3.0	20.3
7 20	18 34.71	−24 3.4	1.825	2.803	7.0	20.6
7 30	18 28.23	−23 54.1	1.883	2.805	10.6	20.8
8 9	18 23.99	−23 43.2	1.964	2.808	13.7	21.0

456812 2007 TS_{358} 7 3.0 122.°26 15.°1/ 8.2 16

5 31	19 16.71	+17 53.5	1.924	2.623	18.8	21.8
6 10	19 10.15	+19 25.6	1.883	2.642	17.4	21.7
6 20	19 1.64	+20 27.9	1.859	2.660	16.2	21.6
6 30	18 51.98	+20 55.4	1.854	2.678	15.4	21.6
7 10	18 42.13	+20 46.1	1.868	2.695	15.2	21.6
7 20	18 33.07	+20 2.0	1.902	2.711	15.6	21.7
7 30	18 25.66	+18 48.4	1.955	2.726	16.4	21.8
8 9	18 20.49	+17 12.8	2.025	2.741	17.5	21.9

47142 1999 LQ_{2} 7 3.0 276.°82 16.°9/30.9 18

5 31	19 17.67	+ 1 41.8	1.071	1.914	22.7	18.7
6 10	19 12.22	+ 4 38.4	1.013	1.905	20.1	18.5
6 20	19 3.51	+ 7 13.9	0.972	1.896	17.9	18.4
6 30	18 52.52	+ 9 14.5	0.950	1.887	16.9	18.3
7 10	18 40.78	+10 30.1	0.947	1.878	17.6	18.3
7 20	18 29.99	+10 57.1	0.962	1.869	19.7	18.4
7 30	18 21.68	+10 39.0	0.994	1.860	22.5	18.5
8 9	18 16.87	+ 9 45.7	1.039	1.851	25.3	18.7

414044 2007 RK_{159} 7 3.0 152.°48 5.°4/ 2.1 17

5 31	19 22.44	−34 46.4	1.649	2.517	14.8	21.2
6 10	19 15.10	−35 32.4	1.588	2.524	11.3	21.0
6 20	19 4.87	−36 10.3	1.550	2.530	7.8	20.8
6 30	18 52.77	−36 33.8	1.537	2.536	5.5	20.7
7 10	18 40.30	−36 38.9	1.550	2.541	6.5	20.8
7 20	18 28.96	−36 25.5	1.589	2.546	9.7	21.0
7 30	18 20.04	−35 56.9	1.651	2.550	13.2	21.2
8 9	18 14.32	−35 18.4	1.733	2.554	16.3	21.4

357723 2005 QB_{133} 7 3.0 233.°88 1.°6/ 2.6 18

5 31	19 13.28	−27 1.5	2.485	3.352	10.4	22.0
6 10	19 7.62	−27 24.2	2.401	3.343	7.7	21.8
6 20	19 0.22	−27 46.0	2.343	3.334	4.6	21.6
6 30	18 51.68	−28 4.4	2.312	3.325	1.8	21.4
7 10	18 42.80	−28 17.6	2.309	3.315	3.0	21.4
7 20	18 34.39	−28 24.5	2.335	3.306	6.2	21.6
7 30	18 27.27	−28 25.3	2.386	3.296	9.2	21.8
8 9	18 22.02	−28 21.1	2.461	3.286	11.9	22.0

191658 2004 PG_{91} 7 3.0 309.°71 9.°9/ 4.6 18

5 31	19 10.69	− 1 25.2	1.519	2.359	17.2	20.0
6 10	19 6.66	− 0 43.5	1.423	2.326	14.6	19.7
6 20	19 0.15	− 0 21.8	1.345	2.292	12.0	19.5
6 30	18 51.75	− 0 25.2	1.288	2.259	10.1	19.3
7 10	18 42.48	− 0 56.2	1.254	2.226	10.3	19.2
7 20	18 33.52	− 1 54.3	1.243	2.193	12.5	19.2
7 30	18 26.13	− 3 15.2	1.253	2.161	15.9	19.3
8 9	18 21.33	− 4 52.2	1.282	2.129	19.4	19.5

442001 2010 OH_{15} 7 3.0 235.°01 4.°2/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 10.80	− 9 44.1	2.724	3.562	10.5	21.3
6 10	19 5.54	− 9 10.7	2.637	3.552	8.3	21.1
6 20	18 58.89	− 8 44.6	2.575	3.541	6.0	21.0
6 30	18 51.36	− 8 26.7	2.539	3.531	4.3	20.8
7 10	18 43.57	− 8 17.7	2.532	3.520	4.6	20.8
7 20	18 36.15	− 8 17.2	2.552	3.508	6.6	21.0
7 30	18 29.75	− 8 24.6	2.599	3.497	9.0	21.1
8 9	18 24.84	− 8 38.4	2.668	3.485	11.3	21.2

254963 2005 SP_{217} 7 3.0 275.°73 2.°0/ 3.5 18

5 31	19 11.25	−16 27.4	2.270	3.133	11.4	20.8
6 10	19 6.21	−16 26.1	2.181	3.119	8.6	20.6
6 20	18 59.44	−16 30.7	2.117	3.104	5.4	20.3
6 30	18 51.51	−16 40.4	2.078	3.089	2.4	20.1
7 10	18 43.20	−16 54.4	2.068	3.074	3.2	20.1
7 20	18 35.31	−17 11.5	2.084	3.059	6.5	20.3
7 30	18 28.66	−17 30.7	2.127	3.044	9.8	20.5
8 9	18 23.84	−17 50.9	2.192	3.029	12.7	20.7

186450 2002 SO_{43} 7 3.0 272.°41 0.°9/ 3.2 18

5 31	19 15.60	−20 28.9	1.618	2.496	14.5	20.4
6 10	19 10.10	−20 30.2	1.532	2.479	10.8	20.2
6 20	19 2.04	−20 35.8	1.469	2.462	6.4	19.9
6 30	18 52.17	−20 44.1	1.430	2.445	1.8	19.5
7 10	18 41.64	−20 53.2	1.417	2.427	3.5	19.6
7 20	18 31.75	−21 1.8	1.430	2.409	8.4	19.9
7 30	18 23.70	−21 9.4	1.466	2.391	12.8	20.1
8 9	18 18.38	−21 16.2	1.523	2.373	16.7	20.3

173593 2001 DK_{30} 7 3.0 174.°49 2.°6/ 3.6 17

5 31	19 15.78	−15 17.3	1.669	2.537	14.6	20.4
6 10	19 9.92	−15 27.6	1.600	2.539	11.0	20.1
6 20	19 1.75	−15 47.5	1.552	2.540	6.9	19.9
6 30	18 52.07	−16 15.5	1.530	2.541	3.1	19.7
7 10	18 41.97	−16 49.4	1.534	2.541	4.0	19.7
7 20	18 32.62	−17 26.5	1.565	2.542	8.0	20.0
7 30	18 25.06	−18 4.7	1.620	2.541	12.0	20.2
8 9	18 20.03	−18 42.2	1.696	2.541	15.5	20.4

436279 2010 CG_{170} 7 3.0 106.°10 1.°9/ 2.6 17

5 31	19 16.67	−26 54.9	2.070	2.939	12.1	21.9
6 10	19 10.15	−27 26.1	2.015	2.958	8.9	21.7
6 20	19 1.67	−27 55.9	1.985	2.976	5.3	21.5
6 30	18 52.01	−28 21.1	1.981	2.994	2.1	21.3
7 10	18 42.17	−28 39.3	2.005	3.011	3.4	21.4
7 20	18 33.15	−28 49.5	2.057	3.028	6.9	21.7
7 30	18 25.79	−28 52.3	2.134	3.044	10.1	21.9
8 9	18 20.70	−28 49.4	2.233	3.060	12.9	22.1

70995 Mikemorton 7 3.0 5.°45 3.°6/ 3.8 18

5 31	19 12.43	−13 11.0	1.830	2.695	13.7	19.2
6 10	19 7.27	−13 1.9	1.760	2.695	10.4	18.9
6 20	19 0.12	−13 2.5	1.712	2.695	6.9	18.7
6 30	18 51.68	−13 12.6	1.689	2.695	4.0	18.6
7 10	18 42.91	−13 31.2	1.692	2.695	4.5	18.6
7 20	18 34.79	−13 56.7	1.722	2.695	7.8	18.8
7 30	18 28.22	−14 27.2	1.776	2.696	11.3	19.0
8 9	18 23.86	−15 0.4	1.851	2.696	14.4	19.2

423540 2005 UF_{228} 7 3.0 103.°55 5.°3/ 4.0 15

5 31	19 15.55	− 9 3.3	1.941	2.785	13.9	22.0
6 10	19 9.18	− 8 29.0	1.889	2.806	10.8	21.8
6 20	19 1.03	− 8 6.0	1.859	2.827	7.7	21.7
6 30	18 51.86	− 7 55.7	1.855	2.847	5.5	21.6
7 10	18 42.58	− 7 57.8	1.878	2.867	5.8	21.6
7 20	18 34.10	− 8 11.1	1.927	2.886	8.2	21.8
7 30	18 27.20	− 8 33.8	2.002	2.905	11.0	22.0
8 9	18 22.40	− 9 3.0	2.098	2.923	13.7	22.2

522721 2016 LB_{62} 7 3.0 283.°28 6.°8/ 4.6 18

5 31	19 11.71	− 5 17.4	1.795	2.637	14.9	21.0
6 10	19 6.84	− 4 54.4	1.716	2.628	12.1	20.8
6 20	18 59.93	− 4 47.1	1.659	2.618	9.2	20.6
6 30	18 51.65	− 4 57.6	1.625	2.609	7.1	20.5
7 10	18 42.93	− 5 25.7	1.616	2.600	7.2	20.4
7 20	18 34.75	− 6 9.7	1.633	2.590	9.5	20.6
7 30	18 28.06	− 7 6.0	1.673	2.581	12.5	20.7
8 9	18 23.56	− 8 10.3	1.734	2.572	15.5	20.9

221856 2008 GA_{8} 7 3.0 298.°89 1.°3/ 2.8 17

5 31	19 14.81	−24 27.0	1.460	2.348	15.2	20.3
6 10	19 9.92	−24 50.5	1.373	2.326	11.3	20.0
6 20	19 2.14	−25 16.8	1.307	2.303	6.7	19.7
6 30	18 52.24	−25 42.2	1.265	2.280	2.0	19.3
7 10	18 41.49	−26 2.9	1.249	2.258	4.1	19.4
7 20	18 31.36	−26 16.6	1.256	2.236	9.2	19.7
7 30	18 23.29	−26 23.0	1.286	2.214	14.0	19.9
8 9	18 18.30	−26 23.4	1.336	2.193	18.2	20.1

91103 1998 HG_{21} 7 3.0 242°.00 1°.6/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 15.95	−26 17.6	1.977	2.849	12.5	19.2
6 10	19 10.00	−26 42.2	1.894	2.838	9.2	19.0
6 20	19 1.81	−27 6.7	1.835	2.827	5.5	18.7
6 30	18 52.11	−27 27.8	1.802	2.815	2.0	18.5
7 10	18 41.91	−27 42.9	1.796	2.803	3.5	18.5
7 20	18 32.32	−27 50.6	1.818	2.791	7.4	18.8
7 30	18 24.36	−27 51.1	1.864	2.778	11.1	19.0
8 9	18 18.79	−27 46.1	1.933	2.765	14.4	19.2

268900 2007 BF_{56} 7 3.0 231°.66 0°.5/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.40	−22 55.2	1.899	2.771	13.0	20.9
6 10	19 10.37	−23 21.0	1.816	2.760	9.6	20.6
6 20	19 2.06	−23 49.7	1.757	2.750	5.6	20.4
6 30	18 52.17	−24 18.4	1.723	2.739	1.4	20.1
7 10	18 41.75	−24 44.2	1.718	2.727	3.2	20.2
7 20	18 31.92	−25 5.1	1.739	2.715	7.5	20.4
7 30	18 23.74	−25 20.6	1.785	2.702	11.4	20.6
8 9	18 18.00	−25 31.4	1.854	2.689	14.8	20.8

105638 2000 SK_{14} 7 3.0 315°.44 0°.6/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 14.00	−23 0.7	1.928	2.804	12.6	19.1
6 10	19 8.42	−22 30.8	1.849	2.795	9.3	18.9
6 20	19 0.79	−22 0.2	1.793	2.786	5.5	18.6
6 30	18 51.84	−21 28.6	1.763	2.778	1.4	18.3
7 10	18 42.58	−20 56.1	1.760	2.770	3.0	18.4
7 20	18 34.01	−20 23.7	1.784	2.762	7.1	18.7
7 30	18 27.05	−19 52.7	1.833	2.754	10.9	18.9
8 9	18 22.36	−19 24.3	1.904	2.747	14.1	19.1

381971 2010 EV_{168} 7 3.0 215°.02 1°.0/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.17	−24 20.6	2.127	2.995	11.9	22.3
6 10	19 9.98	−24 49.5	2.045	2.988	8.8	22.1
6 20	19 1.73	−25 20.0	1.987	2.980	5.2	21.9
6 30	18 52.08	−25 48.9	1.957	2.971	1.5	21.6
7 10	18 41.99	−26 13.6	1.954	2.963	3.1	21.7
7 20	18 32.45	−26 32.5	1.980	2.953	6.9	21.9
7 30	18 24.41	−26 45.2	2.031	2.943	10.5	22.1
8 9	18 18.58	−26 52.7	2.104	2.932	13.5	22.3

62183 2000 SM_{38} 7 3.0 33°.45 1°.9/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 13.61	−17 29.7	1.583	2.461	14.7	19.3
6 10	19 8.40	−17 34.5	1.518	2.464	10.9	19.0
6 20	19 0.89	−17 46.7	1.475	2.467	6.7	18.8
6 30	18 51.88	−18 5.1	1.457	2.470	2.6	18.6
7 10	18 42.52	−18 27.5	1.465	2.474	3.7	18.6
7 20	18 33.96	−18 52.0	1.498	2.477	8.0	18.9
7 30	18 27.26	−19 16.9	1.554	2.481	12.1	19.2
8 9	18 23.12	−19 41.3	1.632	2.485	15.6	19.4

41455 2000 NC 7 3.0 267°.27 2°.3/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 19.07	−29 15.5	2.005	2.871	12.6	18.3
6 10	19 12.43	−29 20.7	1.904	2.845	9.4	18.1
6 20	19 3.33	−29 22.0	1.828	2.817	5.8	17.8
6 30	18 52.51	−29 16.1	1.778	2.789	2.6	17.6
7 10	18 41.02	−29 0.9	1.755	2.761	3.9	17.6
7 20	18 30.09	−28 36.0	1.760	2.732	7.8	17.8
7 30	18 20.85	−28 3.3	1.791	2.702	11.7	17.9
8 9	18 14.16	−27 25.9	1.844	2.671	15.2	18.1

342047 2008 RG_{130} 7 3.0 231°.07 5°.2/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 13.27	− 8 56.9	2.167	3.009	12.7	21.2
6 10	19 7.66	− 8 18.9	2.083	2.999	10.1	21.0
6 20	19 0.28	− 7 50.3	2.023	2.990	7.3	20.8
6 30	18 51.75	− 7 32.9	1.989	2.979	5.4	20.7
7 10	18 42.85	− 7 27.3	1.982	2.969	5.7	20.7
7 20	18 34.44	− 7 33.1	2.001	2.958	8.1	20.8
7 30	18 27.33	− 7 49.1	2.046	2.947	10.9	21.0
8 9	18 22.13	− 8 13.1	2.112	2.935	13.7	21.1

447269 2005 UE_{396} 7 3.0 298°.35 2°.4/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 13.12	−27 37.1	2.050	2.926	12.0	21.2
6 10	19 8.02	−28 16.7	1.958	2.903	8.9	21.0
6 20	19 0.74	−28 56.7	1.889	2.881	5.5	20.7
6 30	18 51.90	−29 33.2	1.847	2.858	2.6	20.5
7 10	18 42.44	−30 2.9	1.831	2.835	4.0	20.5
7 20	18 33.43	−30 23.6	1.842	2.813	7.6	20.7
7 30	18 25.91	−30 35.0	1.878	2.790	11.2	20.9
8 9	18 20.67	−30 38.3	1.935	2.768	14.4	21.1

428079 2006 JL_{52} 7 3.0 33°.28 2°.2/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 13.70	−24 38.7	1.417	2.309	15.3	20.1
6 10	19 8.75	−25 39.8	1.368	2.322	11.2	19.9
6 20	19 1.19	−26 43.5	1.341	2.336	6.6	19.7
6 30	18 51.97	−27 44.1	1.337	2.351	2.5	19.5
7 10	18 42.43	−28 36.4	1.359	2.366	4.4	19.6
7 20	18 33.90	−29 17.0	1.405	2.382	8.8	19.9
7 30	18 27.54	−29 45.7	1.475	2.399	12.8	20.2
8 9	18 24.07	−30 3.7	1.564	2.416	16.2	20.5

63140 2000 WT_{191} 7 3.0 308°.77 1°.9/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 12.35	−15 53.3	1.537	2.417	15.0	18.8
6 10	19 7.84	−16 25.3	1.453	2.399	11.3	18.5
6 20	19 0.80	−17 9.6	1.391	2.382	7.0	18.2
6 30	18 51.94	−18 4.1	1.352	2.366	2.7	17.9
7 10	18 42.36	−19 5.0	1.339	2.349	3.8	17.9
7 20	18 33.31	−20 8.1	1.352	2.333	8.5	18.2
7 30	18 26.04	−21 9.6	1.388	2.318	13.0	18.4
8 9	18 21.47	−22 6.9	1.444	2.302	17.0	18.6

170768 2004 CJ_{68} 7 3.0 229°.48 0°.7/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 13.68	−20 44.6	2.172	3.039	11.7	20.6
6 10	19 8.03	−20 44.2	2.091	3.033	8.6	20.4
6 20	19 0.52	−20 46.4	2.034	3.026	5.1	20.2
6 30	18 51.81	−20 50.1	2.004	3.019	1.4	19.9
7 10	18 42.76	−20 54.1	2.002	3.012	2.8	20.0
7 20	18 34.27	−20 57.6	2.028	3.005	6.5	20.2
7 30	18 27.17	−21 0.5	2.079	2.997	10.0	20.4
8 9	18 22.09	−21 2.9	2.153	2.989	13.0	20.6

495038 2010 WB_{1} 7 3.0 162°.24 12°.9/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 20.98	− 1 4.0	1.265	2.100	20.3	20.7
6 10	19 14.08	+ 1 9.8	1.210	2.105	17.3	20.5
6 20	19 4.32	+ 3 3.9	1.174	2.109	14.5	20.4
6 30	18 52.73	+ 4 28.9	1.160	2.112	13.0	20.3
7 10	18 40.73	+ 5 19.0	1.168	2.115	13.5	20.3
7 20	18 29.80	+ 5 33.2	1.197	2.117	15.6	20.5
7 30	18 21.22	+ 5 15.3	1.246	2.119	18.4	20.7
8 9	18 15.79	+ 4 32.9	1.312	2.120	21.2	20.9

397089 2005 UG_{340} 7 3.0 310°.71 6°.0/ 4.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 10.25	− 6 44.9	2.128	2.969	12.9	21.4
6 10	19 5.47	− 6 4.7	2.051	2.962	10.4	21.2
6 20	18 59.01	− 5 36.0	1.996	2.955	7.9	21.0
6 30	18 51.46	− 5 20.6	1.966	2.949	6.2	20.9
7 10	18 43.60	− 5 19.2	1.962	2.943	6.4	20.9
7 20	18 36.24	− 5 31.4	1.984	2.936	8.4	21.0
7 30	18 30.14	− 5 55.3	2.030	2.930	11.0	21.2
8 9	18 25.88	− 6 28.2	2.098	2.925	13.6	21.3

40586 1999 RZ_{140} 7 3.0 250°.48 0°.2/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 12.38	−23 10.5	2.498	3.365	10.4	19.8
6 10	19 6.95	−23 20.6	2.411	3.353	7.6	19.6
6 20	18 59.86	−23 31.9	2.348	3.340	4.5	19.4
6 30	18 51.66	−23 42.8	2.312	3.327	1.1	19.1
7 10	18 43.12	−23 51.8	2.305	3.314	2.5	19.2
7 20	18 35.03	−23 58.1	2.326	3.301	5.9	19.4
7 30	18 28.13	−24 1.6	2.373	3.288	9.0	19.6
8 9	18 23.02	−24 2.6	2.444	3.274	11.8	19.7

505833 2015 CD_{4} 7 3.0 81°.84 6°.1/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 21.63	−37 52.9	1.642	2.508	14.9	21.0
6 10	19 14.40	−38 18.6	1.590	2.521	11.6	20.8
6 20	19 4.38	−38 32.1	1.559	2.534	8.3	20.7
6 30	18 52.71	−38 28.2	1.553	2.546	6.2	20.6
7 10	18 40.90	−38 4.6	1.572	2.559	6.9	20.6
7 20	18 30.42	−37 23.0	1.616	2.572	9.7	20.8
7 30	18 22.43	−36 28.0	1.684	2.585	12.9	21.1
8 9	18 17.60	−35 25.5	1.773	2.597	15.8	21.3

5739 Robertburns 7 3.0 208°.80 6°.4/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 12.19	+ 1 25.2	2.859	3.642	11.4	19.3
6 10	19 6.52	+ 1 29.2	2.771	3.634	9.6	19.1
6 20	18 59.49	+ 1 18.7	2.705	3.626	7.9	19.0
6 30	18 51.57	+ 0 52.7	2.666	3.617	6.6	18.9
7 10	18 43.36	+ 0 11.3	2.654	3.607	6.6	18.9
7 20	18 35.49	− 0 43.8	2.670	3.596	7.7	19.0
7 30	18 28.56	− 1 49.7	2.712	3.585	9.5	19.1
8 9	18 23.07	− 3 3.1	2.778	3.573	11.5	19.2

8536 Måns 7 3.0 0°.39 4°.9/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.02	−34 55.8	1.872	2.744	13.1	17.5
6 10	19 9.47	−35 32.2	1.806	2.743	10.0	17.3
6 20	19 1.54	−36 1.5	1.762	2.743	7.0	17.1
6 30	18 52.07	−36 18.9	1.744	2.743	5.0	17.0
7 10	18 42.25	−36 21.5	1.752	2.743	5.9	17.1
7 20	18 33.27	−36 9.0	1.785	2.744	8.7	17.2
7 30	18 26.22	−35 43.4	1.842	2.745	11.8	17.4
8 9	18 21.79	−35 8.5	1.919	2.746	14.7	17.6

387181 2012 TJ_{272} 7 3.0 287°.29 1°.9/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 13.10	−17 47.6	1.804	2.677	13.5	21.6
6 10	19 7.92	−17 45.7	1.726	2.669	10.0	21.4
6 20	19 0.60	−17 49.8	1.671	2.662	6.2	21.1
6 30	18 51.86	−17 59.0	1.642	2.655	2.4	20.9
7 10	18 42.71	−18 12.0	1.639	2.647	3.5	20.9
7 20	18 34.17	−18 27.5	1.662	2.640	7.5	21.2
7 30	18 27.25	−18 44.3	1.709	2.633	11.4	21.4
8 9	18 22.65	−19 1.6	1.778	2.626	14.8	21.6

260937 2005 SD_8 7 3.0 276°.64 2°.1/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 11.34	−15 3.9	2.237	3.098	11.7	20.8
6 10	19 6.35	−15 21.3	2.148	3.084	8.8	20.6
6 20	18 59.60	−15 46.7	2.083	3.069	5.6	20.4
6 30	18 51.65	−16 19.1	2.044	3.055	2.6	20.2
7 10	18 43.27	−16 56.7	2.033	3.040	3.2	20.2
7 20	18 35.29	−17 37.3	2.050	3.026	6.5	20.4
7 30	18 28.53	−18 19.0	2.092	3.011	9.9	20.5
8 9	18 23.63	−19 0.2	2.158	2.996	12.9	20.7

438811 2008 YJ_{125} 7 3.0 229°.28 0°.0/ 2.8 16

5 31	19 13.78	−21 28.0	2.049	2.920	12.2	21.8
6 10	19 8.26	−21 53.6	1.972	2.916	8.9	21.6
6 20	19 0.75	−22 23.0	1.918	2.911	5.2	21.4
6 30	18 51.92	−22 53.7	1.890	2.906	1.2	21.1
7 10	18 42.68	−23 23.3	1.890	2.900	2.8	21.2
7 20	18 34.01	−23 49.7	1.918	2.895	6.8	21.4
7 30	18 26.82	−24 12.1	1.971	2.889	10.4	21.6
8 9	18 21.77	−24 30.5	2.046	2.884	13.5	21.8

183159 2002 SO_{10} 7 3.0 314°.18 2°.8/ 3.5 17

5 31	19 11.97	−16 36.3	1.278	2.169	16.7	19.9
6 10	19 8.01	−16 33.1	1.194	2.146	12.7	19.6
6 20	19 1.13	−16 40.2	1.130	2.123	8.0	19.3
6 30	18 52.09	−16 57.1	1.089	2.101	3.5	18.9
7 10	18 42.18	−17 22.1	1.070	2.079	4.7	18.9
7 20	18 32.88	−17 52.8	1.075	2.059	9.9	19.2
7 30	18 25.67	−18 26.7	1.101	2.038	15.0	19.4
8 9	18 21.61	−19 1.6	1.146	2.019	19.5	19.6

395537 2011 UB_{158} 7 3.0 358°.44 3°.4/ 2.0 18

5 31	19 13.20	−29 28.4	1.874	2.754	12.8	20.3
6 10	19 8.12	−30 23.1	1.807	2.752	9.5	20.1
6 20	19 0.78	−31 16.4	1.762	2.751	6.0	19.9
6 30	18 51.94	−32 3.4	1.743	2.751	3.5	19.7
7 10	18 42.65	−32 40.1	1.751	2.751	4.8	19.8
7 20	18 34.05	−33 4.5	1.784	2.751	8.1	20.0
7 30	18 27.19	−33 16.7	1.842	2.752	11.5	20.2
8 9	18 22.78	−33 18.7	1.921	2.753	14.5	20.4

168882 2000 WZ_{56} 7 3.0 200°.05 1°.8/ 3.3 17

5 31	19 17.64	−18 4.5	1.891	2.755	13.4	21.2
6 10	19 11.13	−17 57.0	1.813	2.751	10.0	20.9
6 20	19 2.45	−17 54.5	1.758	2.747	6.1	20.7
6 30	18 52.33	−17 55.9	1.729	2.742	2.4	20.4
7 10	18 41.80	−18 0.3	1.728	2.736	3.5	20.5
7 20	18 31.94	−18 6.7	1.754	2.729	7.5	20.7
7 30	18 23.75	−18 14.6	1.806	2.722	11.3	21.0
8 9	18 17.92	−18 23.8	1.879	2.714	14.6	21.2

396886 2004 TR_{307} 7 3.0 299°.59 4°.3/ 3.5 18

5 31	19 10.93	−11 33.7	2.253	3.105	11.9	20.0
6 10	19 5.91	−10 53.5	2.172	3.097	9.3	19.9
6 20	18 59.26	−10 20.7	2.115	3.089	6.5	19.7
6 30	18 51.56	− 9 56.4	2.084	3.081	4.5	19.5
7 10	18 43.57	− 9 41.5	2.080	3.073	4.9	19.5
7 20	18 36.07	− 9 36.0	2.102	3.065	7.3	19.7
7 30	18 29.79	− 9 39.0	2.150	3.057	10.2	19.8
8 9	18 25.30	− 9 49.1	2.220	3.050	12.9	20.0

431224 2006 SN_{297} 7 3.0 264°.89 0°.8/ 2.9 17

5 31	19 17.17	−24 7.0	1.665	2.543	14.2	21.7
6 10	19 11.34	−24 22.8	1.577	2.524	10.5	21.5
6 20	19 2.85	−24 40.4	1.511	2.505	6.2	21.2
6 30	18 52.48	−24 56.7	1.470	2.486	1.7	20.8
7 10	18 41.39	−25 8.8	1.456	2.466	3.6	20.9
7 20	18 30.91	−25 15.1	1.468	2.445	8.4	21.2
7 30	18 22.31	−25 15.8	1.504	2.425	12.8	21.4
8 9	18 16.50	−25 12.3	1.560	2.404	16.7	21.6

36278 2000 AG_{229} 7 3.0 352°.65 1°.6/ 2.9 18

5 31	19 14.13	−22 29.8	1.690	2.571	13.8	17.2
6 10	19 8.68	−21 28.6	1.618	2.566	10.2	16.9
6 20	19 1.01	−20 25.6	1.568	2.561	6.1	16.7
6 30	18 51.97	−19 21.9	1.543	2.557	2.1	16.4
7 10	18 42.68	−18 19.6	1.545	2.554	3.6	16.5
7 20	18 34.24	−17 21.2	1.574	2.552	7.9	16.8
7 30	18 27.63	−16 29.0	1.627	2.551	11.8	17.0
8 9	18 23.48	−15 44.4	1.701	2.550	15.3	17.2

87625 2000 RS_{51} 7 3.0 245°.65 8°.5/ 1.0 18

5 31	19 22.38	−44 27.2	1.972	2.813	13.8	19.1
6 10	19 15.31	−45 29.7	1.899	2.802	11.5	18.9
6 20	19 5.21	−46 19.1	1.847	2.792	9.5	18.8
6 30	18 53.03	−46 48.0	1.821	2.781	8.5	18.7
7 10	18 40.21	−46 51.7	1.819	2.770	9.2	18.7
7 20	18 28.34	−46 29.8	1.841	2.758	11.1	18.8
7 30	18 18.82	−45 45.8	1.886	2.746	13.6	19.0
8 9	18 12.55	−44 46.2	1.951	2.734	16.0	19.1

442059 2010 RN_{110} 7 3.0 317°.29 0°.9/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 11.40	−19 57.2	2.034	2.908	12.1	21.5
6 10	19 6.51	−20 0.1	1.955	2.900	9.0	21.3
6 20	18 59.72	−20 7.0	1.899	2.892	5.3	21.0
6 30	18 51.69	−20 16.5	1.870	2.884	1.6	20.8
7 10	18 43.29	−20 27.4	1.867	2.877	2.9	20.8
7 20	18 35.45	−20 38.4	1.891	2.870	6.7	21.1
7 30	18 29.04	−20 48.9	1.940	2.863	10.3	21.3
8 9	18 24.68	−20 58.8	2.011	2.856	13.4	21.5

51634 2001 HU_{47} 7 3.0 153°.67 17°.1/ 4.5 18

5 31	19 18.82	+ 8 42.5	1.258	2.053	22.6	18.7
6 10	19 12.57	+10 56.9	1.210	2.059	20.3	18.6
6 20	19 3.51	+12 40.5	1.178	2.064	18.4	18.5
6 30	18 52.60	+13 43.4	1.165	2.069	17.2	18.4
7 10	18 41.26	+14 0.6	1.171	2.073	17.3	18.4
7 20	18 30.92	+13 33.0	1.195	2.076	18.5	18.5
7 30	18 22.87	+12 27.1	1.237	2.079	20.4	18.7
8 9	18 17.92	+10 53.5	1.294	2.081	22.4	18.8

126694 2002 CO_{228} 7 3.0 60°.60 1°.7/ 3.3 17

5 31	19 16.40	−19 34.9	1.536	2.415	15.1	19.3
6 10	19 10.23	−19 16.9	1.491	2.437	11.1	19.1
6 20	19 1.82	−19 3.4	1.468	2.460	6.6	18.9
6 30	18 52.14	−18 53.5	1.469	2.483	2.3	18.7
7 10	18 42.42	−18 46.6	1.497	2.506	3.6	18.8
7 20	18 33.79	−18 42.2	1.550	2.529	7.9	19.1
7 30	18 27.20	−18 40.0	1.628	2.553	11.8	19.4
8 9	18 23.22	−18 40.0	1.726	2.576	15.1	19.7

70752 1999 VB_{25} 7 3.0 261°.44 1°.4/ 2.6 18

5 31	19 15.15	−23 46.8	2.011	2.883	12.3	19.2
6 10	19 9.52	−24 41.7	1.923	2.868	9.1	18.9
6 20	19 1.66	−25 40.7	1.859	2.852	5.4	18.7
6 30	18 52.20	−26 39.9	1.822	2.836	1.8	18.4
7 10	18 42.11	−27 35.0	1.813	2.820	3.5	18.5
7 20	18 32.45	−28 22.7	1.831	2.804	7.4	18.7
7 30	18 24.28	−29 1.5	1.875	2.787	11.2	18.9
8 9	18 18.43	−29 31.6	1.940	2.770	14.4	19.1

425690 2011 AG_{59} 7 3.0 294°.98 1°.2/ 3.3 17

5 31	19 14.24	−19 15.8	1.457	2.341	15.4	21.4
6 10	19 9.41	−19 26.7	1.373	2.322	11.5	21.1
6 20	19 1.83	−19 44.8	1.309	2.304	7.0	20.8
6 30	18 52.27	−20 8.4	1.270	2.285	2.1	20.5
7 10	18 41.94	−20 34.6	1.255	2.266	3.8	20.5
7 20	18 32.22	−21 1.0	1.265	2.247	8.9	20.8
7 30	18 24.46	−21 26.1	1.298	2.229	13.7	21.0
8 9	18 19.63	−21 49.2	1.351	2.211	17.9	21.2

172610 2003 WN_{95} 7 3.0 322°.21 1°.9/ 3.4 18

5 31	19 11.52	−18 29.1	1.516	2.402	14.9	20.1
6 10	19 7.22	−18 21.7	1.434	2.384	11.1	19.9
6 20	19 0.44	−18 20.6	1.374	2.367	6.8	19.6
6 30	18 51.92	−18 25.0	1.337	2.350	2.6	19.3
7 10	18 42.79	−18 33.7	1.325	2.334	3.9	19.3
7 20	18 34.30	−18 45.4	1.337	2.319	8.5	19.5
7 30	18 27.64	−18 59.1	1.372	2.304	13.0	19.8
8 9	18 23.66	−19 13.8	1.427	2.290	16.9	20.0

36715 2000 RG_{39} 7 3.0 3°.20 5°.2/ 2.6 18

5 31	19 14.27	−31 58.6	0.999	1.908	18.8	17.9
6 10	19 10.27	−32 25.6	0.946	1.906	14.2	17.6
6 20	19 2.57	−32 45.0	0.912	1.905	9.2	17.3
6 30	18 52.42	−32 49.8	0.897	1.906	5.5	17.1
7 10	18 41.78	−32 36.1	0.904	1.908	6.9	17.2
7 20	18 32.60	−32 4.5	0.932	1.912	11.6	17.5
7 30	18 26.53	−31 19.6	0.979	1.916	16.4	17.7
8 9	18 24.41	−30 27.5	1.043	1.922	20.6	18.0

423420 2005 OJ_{31} 7 3.0 325°.21 13°.1/ 2.6 17

5 31	19 22.84	−48 47.9	1.210	2.070	19.5	19.8
6 10	19 17.41	−49 30.2	1.134	2.044	16.9	19.5
6 20	19 7.22	−49 48.0	1.074	2.019	14.5	19.3
6 30	18 53.60	−49 28.5	1.033	1.995	13.1	19.1
7 10	18 39.02	−48 24.1	1.013	1.972	13.7	19.1
7 20	18 26.19	−46 36.3	1.013	1.951	16.0	19.1
7 30	18 17.31	−44 15.0	1.032	1.930	19.3	19.3
8 9	18 13.42	−41 35.0	1.069	1.911	22.8	19.4

437065 2012 UB_{48} 7 3.0 322°.25 3°.7/ 3.7 17

5 31	19 12.29	−13 38.1	1.745	2.613	14.1	21.0
6 10	19 7.33	−13 21.5	1.672	2.609	10.8	20.8
6 20	19 0.28	−13 14.1	1.620	2.604	7.1	20.6
6 30	18 51.85	−13 16.3	1.594	2.600	4.1	20.4
7 10	18 43.03	−13 27.4	1.593	2.596	4.7	20.4
7 20	18 34.87	−13 46.0	1.618	2.592	8.1	20.6
7 30	18 28.31	−14 10.6	1.667	2.588	11.8	20.8
8 9	18 24.04	−14 38.9	1.737	2.585	15.1	21.0

367690 2010 RN_{59} 7 3.0 327°.37 2°.7/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 10.05	−19 19.4	1.028	1.937	18.3	20.7
6 10	19 7.12	−18 48.0	0.950	1.912	13.9	20.4
6 20	19 0.85	−18 21.5	0.890	1.888	8.6	20.0
6 30	18 52.09	−18 0.6	0.851	1.865	3.4	19.6
7 10	18 42.35	−17 45.5	0.832	1.843	5.2	19.7
7 20	18 33.40	−17 36.3	0.835	1.823	11.1	19.9
7 30	18 26.96	−17 33.2	0.857	1.804	16.9	20.1
8 9	18 24.20	−17 35.5	0.894	1.787	21.9	20.4

473909 2016 EB_{150} 7 3.0 200°.13 2°.5/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 19.65	−26 57.7	1.635	2.511	14.5	22.1
6 10	19 13.12	−27 39.5	1.563	2.508	10.7	21.8
6 20	19 3.86	−28 21.5	1.513	2.505	6.5	21.6
6 30	18 52.73	−28 58.6	1.489	2.501	2.8	21.3
7 10	18 41.03	−29 26.4	1.491	2.497	4.4	21.4
7 20	18 30.15	−29 42.9	1.520	2.492	8.7	21.7
7 30	18 21.38	−29 48.6	1.572	2.487	12.8	21.9
8 9	18 15.55	−29 46.1	1.646	2.481	16.4	22.1

513866 2013 HC_{118} 7 3.1 170°.14 4°.9/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.37	−40 24.1	3.070	3.908	9.4	22.9
6 10	19 9.79	−41 11.6	3.002	3.912	7.5	22.8
6 20	19 1.51	−41 51.4	2.960	3.915	5.8	22.7
6 30	18 52.13	−42 19.9	2.944	3.918	5.0	22.6
7 10	18 42.46	−42 34.7	2.957	3.920	5.5	22.7
7 20	18 33.32	−42 35.5	2.997	3.922	7.0	22.8
7 30	18 25.50	−42 23.5	3.063	3.923	8.9	22.9
8 9	18 19.55	−42 1.3	3.151	3.924	10.7	23.0

436258 2010 CQ_{2} 7 3.1 80°.49 4°.6/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 12.95	− 9 11.2	1.818	2.671	14.3	20.9
6 10	19 7.61	− 9 18.8	1.757	2.682	11.1	20.8
6 20	19 0.34	− 9 40.1	1.718	2.692	7.7	20.6
6 30	18 51.86	−10 14.8	1.704	2.703	5.0	20.4
7 10	18 43.11	−11 0.8	1.716	2.713	5.2	20.5
7 20	18 35.06	−11 55.1	1.754	2.724	7.9	20.7
7 30	18 28.58	−12 54.1	1.817	2.735	11.2	20.9
8 9	18 24.26	−13 54.5	1.902	2.745	14.2	21.1

94265 2001 CU_{45} 7 3.1 5°.91 2°.2/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 11.64	−13 0.4	2.295	3.149	11.7	18.8
6 10	19 6.48	−13 46.0	2.218	3.149	8.8	18.6
6 20	18 59.65	−14 42.0	2.165	3.149	5.6	18.4
6 30	18 51.71	−15 46.2	2.140	3.149	2.6	18.2
7 10	18 43.42	−16 55.8	2.143	3.149	3.1	18.3
7 20	18 35.58	−18 7.2	2.174	3.150	6.2	18.5
7 30	18 28.94	−19 17.5	2.233	3.150	9.4	18.7
8 9	18 24.11	−20 24.2	2.315	3.151	12.2	18.8

360949 2005 UV_{55} 7 3.1 219°.03 6°.3/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 10.55	− 2 1.9	2.801	3.607	11.1	21.3
6 10	19 5.37	− 1 17.3	2.719	3.600	9.3	21.2
6 20	18 58.86	− 0 43.7	2.660	3.592	7.5	21.0
6 30	18 51.51	− 0 23.0	2.627	3.584	6.4	21.0
7 10	18 43.91	− 0 16.2	2.620	3.576	6.5	21.0
7 20	18 36.67	− 0 23.0	2.640	3.567	7.8	21.0
7 30	18 30.39	− 0 42.1	2.686	3.558	9.6	21.1
8 9	18 25.54	− 1 11.1	2.754	3.549	11.6	21.3

349147 2007 MU_{10} 7 3.1 47°.93 0°.3/ 3.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 20.12	−24 58.8	0.965	1.869	19.7	19.5
6 10	19 13.80	−24 36.5	0.934	1.893	14.3	19.2
6 20	19 4.16	−24 13.7	0.921	1.919	8.3	19.0
6 30	18 52.73	−23 48.3	0.929	1.945	2.0	18.7
7 10	18 41.45	−23 19.9	0.960	1.971	4.3	19.0
7 20	18 32.05	−22 50.3	1.013	1.998	10.1	19.4
7 30	18 25.76	−22 21.7	1.087	2.026	15.0	19.7
8 9	18 23.10	−21 56.1	1.179	2.053	19.0	20.1

279579 2011 DG_{23} 7 3.1 55°.41 3°.6/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 17.32	−30 42.3	1.562	2.443	14.7	20.4
6 10	19 11.33	−31 8.1	1.505	2.451	11.0	20.2
6 20	19 2.71	−31 29.0	1.470	2.459	6.9	20.0
6 30	18 52.44	−31 40.4	1.459	2.468	3.8	19.8
7 10	18 41.89	−31 39.5	1.473	2.476	5.0	19.9
7 20	18 32.41	−31 26.2	1.513	2.485	8.8	20.2
7 30	18 25.16	−31 2.9	1.576	2.493	12.6	20.4
8 9	18 20.84	−30 33.1	1.660	2.502	15.9	20.7

398998 2013 EB_{147} 7 3.1 336°.89 3°.6/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 12.88	−31 2.5	1.870	2.750	12.8	21.1
6 10	19 7.96	−31 40.3	1.797	2.741	9.6	20.9
6 20	19 0.75	−32 14.8	1.745	2.734	6.2	20.7
6 30	18 52.00	−32 41.6	1.720	2.726	3.8	20.5
7 10	18 42.81	−32 57.5	1.720	2.719	4.9	20.6
7 20	18 34.30	−33 1.3	1.746	2.713	8.2	20.7
7 30	18 27.54	−32 53.8	1.795	2.707	11.6	20.9
8 9	18 23.27	−32 37.6	1.866	2.702	14.7	21.1

202190 2004 XZ_{46} 7 3.1 259°.00 0°.9/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 14.23	−19 58.1	1.900	2.772	12.9	20.5
6 10	19 8.75	−20 1.6	1.818	2.762	9.6	20.2
6 20	19 1.14	−20 9.1	1.759	2.751	5.7	20.0
6 30	18 52.10	−20 19.4	1.726	2.740	1.7	19.7
7 10	18 42.60	−20 30.8	1.720	2.729	3.1	19.8
7 20	18 33.69	−20 42.0	1.740	2.718	7.3	20.0
7 30	18 26.34	−20 52.6	1.786	2.707	11.1	20.2
8 9	18 21.28	−21 2.4	1.853	2.696	14.5	20.4

320523 2007 YY_{38} 7 3.1 129°.63 1°.4/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 18.73	−25 7.1	1.678	2.554	14.2	21.6
6 10	19 12.14	−25 34.7	1.619	2.564	10.4	21.4
6 20	19 3.12	−26 2.8	1.581	2.575	6.1	21.1
6 30	18 52.55	−26 27.6	1.570	2.584	1.9	20.9
7 10	18 41.69	−26 46.1	1.585	2.593	3.7	21.0
7 20	18 31.76	−26 56.9	1.627	2.602	7.9	21.3
7 30	18 23.85	−27 0.7	1.693	2.611	11.9	21.5
8 9	18 18.67	−26 59.0	1.780	2.618	15.2	21.8

258706 2002 GU_{61} 7 3.1 53°.50 6°.4/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.04	−10 15.5	1.228	2.103	18.3	20.6
6 10	19 9.71	− 9 38.5	1.182	2.118	14.2	20.4
6 20	19 1.75	− 9 17.5	1.155	2.134	10.0	20.2
6 30	18 52.22	− 9 14.4	1.150	2.150	6.8	20.1
7 10	18 42.50	− 9 28.4	1.168	2.166	7.1	20.1
7 20	18 33.92	− 9 57.0	1.210	2.182	10.4	20.4
7 30	18 27.60	−10 36.4	1.273	2.199	14.3	20.6
8 9	18 24.22	−11 22.0	1.356	2.216	17.8	20.9

296657 2009 SY_{141} 7 3.1 281°.42 1°.4/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.44	−19 19.0	1.667	2.543	14.3	21.6
6 10	19 10.07	−19 17.4	1.574	2.519	10.7	21.4
6 20	19 2.15	−19 21.0	1.502	2.494	6.5	21.1
6 30	18 52.39	−19 28.6	1.455	2.469	2.1	20.7
7 10	18 41.88	−19 38.5	1.434	2.444	3.6	20.8
7 20	18 31.87	−19 49.4	1.439	2.418	8.4	21.0
7 30	18 23.58	−20 0.7	1.468	2.392	12.9	21.2
8 9	18 17.94	−20 11.9	1.517	2.366	16.8	21.4

500766 2013 CL_{13} 7 3.1 96°.58 2°.5/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 20.52	−27 17.8	1.265	2.154	17.0	21.7
6 10	19 14.06	−27 41.4	1.212	2.164	12.5	21.4
6 20	19 4.47	−28 3.0	1.179	2.174	7.5	21.2
6 30	18 52.89	−28 17.8	1.170	2.183	2.9	20.9
7 10	18 40.99	−28 22.1	1.185	2.193	4.8	21.1
7 20	18 30.41	−28 15.6	1.224	2.202	9.7	21.4
7 30	18 22.52	−28 0.4	1.286	2.212	14.2	21.7
8 9	18 18.08	−27 39.9	1.367	2.220	18.1	21.9

296625 2009 SY_{50} 7 3.1 238°.25 1°.4/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.68	−18 28.0	1.919	2.786	13.1	22.4
6 10	19 9.82	−18 32.6	1.834	2.774	9.7	22.2
6 20	19 1.79	−18 42.7	1.771	2.761	5.9	21.9
6 30	18 52.27	−18 56.8	1.735	2.748	2.1	21.6
7 10	18 42.25	−19 13.4	1.726	2.735	3.3	21.7
7 20	18 32.76	−19 31.0	1.744	2.721	7.4	21.9
7 30	18 24.84	−19 48.7	1.787	2.706	11.3	22.1
8 9	18 19.21	−20 5.8	1.852	2.691	14.7	22.3

286185 2001 UV_{54} 7 3.1 336°.17 3°.6/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 10.40	−26 22.8	0.950	1.867	18.7	19.6
6 10	19 7.75	−27 17.3	0.884	1.850	14.0	19.3
6 20	19 1.40	−28 16.4	0.836	1.835	8.6	18.9
6 30	18 52.28	−29 12.6	0.808	1.821	3.9	18.6
7 10	18 42.14	−29 58.1	0.800	1.808	6.2	18.7
7 20	18 33.01	−30 27.9	0.813	1.797	12.0	18.9
7 30	18 26.81	−30 41.2	0.844	1.788	17.5	19.2
8 9	18 24.74	−30 40.8	0.891	1.780	22.3	19.5

172112 2002 GB_{88} 7 3.1 28°.30 2°.4/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.14	−24 59.0	1.280	2.173	16.5	19.5
6 10	19 10.98	−25 56.3	1.222	2.177	12.2	19.3
6 20	19 2.78	−26 57.0	1.184	2.180	7.3	19.0
6 30	18 52.53	−27 54.9	1.170	2.184	2.8	18.7
7 10	18 41.73	−28 43.8	1.180	2.188	4.8	18.9
7 20	18 31.97	−29 20.2	1.214	2.192	9.7	19.2
7 30	18 24.66	−29 43.8	1.271	2.197	14.3	19.4
8 9	18 20.68	−29 56.5	1.346	2.202	18.1	19.7

487558 2014 WE_{48} 7 3.1 335°.28 0°.3/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 8.37	−20 55.7	2.475	3.347	10.3	20.6
6 10	19 4.08	−21 9.2	2.391	3.335	7.6	20.4
6 20	18 58.25	−21 25.8	2.331	3.324	4.5	20.1
6 30	18 51.41	−21 44.1	2.298	3.313	1.1	19.9
7 10	18 44.26	−22 2.8	2.293	3.303	2.4	20.0
7 20	18 37.52	−22 20.4	2.315	3.293	5.7	20.2
7 30	18 31.90	−22 36.4	2.363	3.284	8.8	20.3
8 9	18 27.95	−22 50.4	2.434	3.275	11.5	20.5

265519 2005 MN_9 7 3.1 289°.72 2°.5/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 13.86	−15 40.1	1.527	2.404	15.3	20.0
6 10	19 8.96	−15 54.4	1.446	2.390	11.5	19.7
6 20	19 1.51	−16 19.5	1.386	2.376	7.2	19.4
6 30	18 52.26	−16 54.3	1.350	2.362	3.1	19.1
7 10	18 42.35	−17 35.9	1.340	2.349	4.1	19.2
7 20	18 33.03	−18 21.3	1.355	2.335	8.6	19.4
7 30	18 25.54	−19 7.5	1.393	2.321	13.1	19.6
8 9	18 20.78	−19 52.4	1.451	2.308	17.0	19.8

371480 2006 TK_{36} 7 3.1 196°.78 0°.2/ 3.1 17

5 31	19 17.28	−22 0.0	1.908	2.777	13.0	22.2
6 10	19 10.93	−22 6.3	1.832	2.775	9.6	22.0
6 20	19 2.40	−22 15.0	1.779	2.772	5.6	21.7
6 30	18 52.43	−22 23.9	1.753	2.768	1.4	21.4
7 10	18 42.06	−22 31.3	1.754	2.764	3.0	21.5
7 20	18 32.39	−22 36.2	1.783	2.760	7.2	21.8
7 30	18 24.41	−22 38.7	1.837	2.755	11.1	22.0
8 9	18 18.81	−22 39.4	1.913	2.749	14.4	22.2

128815 2004 RK_{288} 7 3.1 243°.00 0°.0/ 3.0 18

5 31	19 11.69	−22 10.1	2.742	3.605	9.7	21.5
6 10	19 6.37	−22 18.7	2.653	3.593	7.1	21.3
6 20	18 59.54	−22 29.0	2.589	3.581	4.2	21.1
6 30	18 51.74	−22 39.5	2.553	3.568	1.0	20.9
7 10	18 43.62	−22 49.0	2.545	3.555	2.2	20.9
7 20	18 35.89	−22 56.9	2.566	3.542	5.4	21.1
7 30	18 29.23	−23 2.7	2.615	3.528	8.3	21.3
8 9	18 24.18	−23 6.6	2.686	3.515	10.9	21.5

189318 2006 WM_{201} 7 3.1 341°.54 4°.4/ 4.8 18

5 31	19 10.22	− 8 23.2	1.970	2.821	13.4	19.4
6 10	19 5.68	− 8 44.9	1.893	2.815	10.5	19.2
6 20	18 59.30	− 9 21.2	1.837	2.810	7.4	19.0
6 30	18 51.69	−10 11.7	1.807	2.806	4.8	18.8
7 10	18 43.70	−11 14.0	1.804	2.802	4.9	18.8
7 20	18 36.20	−12 24.8	1.827	2.798	7.6	19.0
7 30	18 30.03	−13 40.1	1.875	2.795	10.8	19.2
8 9	18 25.86	−14 56.0	1.946	2.792	13.8	19.4

272724 2005 YB_{68} 7 3.1 313°.89 2°.1/ 2.9 18

5 31	19 14.32	−29 46.9	2.153	3.024	11.7	20.2
6 10	19 8.64	−29 41.5	2.073	3.016	8.7	20.0
6 20	19 0.99	−29 31.7	2.017	3.007	5.3	19.8
6 30	18 52.08	−29 15.2	1.987	2.999	2.4	19.5
7 10	18 42.88	−28 51.2	1.985	2.991	3.5	19.6
7 20	18 34.35	−28 20.2	2.010	2.983	6.9	19.8
7 30	18 27.38	−27 43.8	2.060	2.975	10.2	20.0
8 9	18 22.58	−27 4.7	2.133	2.968	13.1	20.2

4784 Samcarin 7 3.1 110°.66 1°.8/ 2.7 18

5 31	19 16.78	−27 17.4	1.912	2.784	12.8	17.6
6 10	19 10.49	−27 35.9	1.851	2.795	9.4	17.4
6 20	19 2.07	−27 52.5	1.814	2.805	5.6	17.2
6 30	18 52.34	−28 4.2	1.803	2.816	2.2	17.0
7 10	18 42.38	−28 8.9	1.819	2.826	3.6	17.1
7 20	18 33.26	−28 6.1	1.862	2.835	7.3	17.3
7 30	18 25.93	−27 56.8	1.930	2.845	10.8	17.6
8 9	18 21.01	−27 42.9	2.020	2.854	13.8	17.8

6171 Uttorp 7 3.1 254°.67 2°.3/ 2.7 18

5 31	19 18.80	−27 5.7	1.441	2.325	15.6	17.5
6 10	19 12.86	−27 28.3	1.366	2.315	11.6	17.2
6 20	19 3.90	−27 50.2	1.312	2.305	7.0	16.9
6 30	18 52.85	−28 6.6	1.281	2.295	2.7	16.6
7 10	18 41.13	−28 13.9	1.277	2.284	4.5	16.7
7 20	18 30.29	−28 10.9	1.297	2.274	9.4	17.0
7 30	18 21.76	−27 58.8	1.340	2.263	13.9	17.2
8 9	18 16.46	−27 40.8	1.402	2.251	17.9	17.4

415034 2011 WB_{141} 7 3.1 302°.08 2°.1/ 2.8 17

5 31	19 16.02	−26 1.8	1.176	2.075	17.3	21.4
6 10	19 11.56	−26 22.6	1.093	2.050	13.0	21.1
6 20	19 3.56	−26 44.9	1.028	2.025	7.9	20.8
6 30	18 52.86	−27 3.7	0.985	2.000	2.7	20.4
7 10	18 41.01	−27 14.4	0.966	1.975	5.0	20.4
7 20	18 29.88	−27 14.5	0.968	1.951	10.8	20.7
7 30	18 21.31	−27 5.0	0.992	1.927	16.4	20.9
8 9	18 16.54	−26 48.8	1.032	1.904	21.3	21.1

255469 2005 YK_{121} 7 3.1 335°.96 0°.2/ 3.0 18

5 31	19 10.85	−22 33.2	1.886	2.767	12.6	19.9
6 10	19 6.34	−22 50.5	1.808	2.757	9.3	19.7
6 20	18 59.78	−23 10.8	1.753	2.748	5.4	19.5
6 30	18 51.84	−23 31.9	1.724	2.739	1.3	19.2
7 10	18 43.48	−23 51.4	1.720	2.731	3.0	19.3
7 20	18 35.70	−24 7.8	1.743	2.723	7.1	19.5
7 30	18 29.46	−24 20.6	1.790	2.716	10.9	19.7
8 9	18 25.45	−24 29.8	1.859	2.709	14.2	19.9

505097 2011 WU_{48} 7 3.1 174°.96 2°.6/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 14.37	−29 37.7	2.770	3.630	9.7	21.7
6 10	19 8.40	−30 31.3	2.696	3.632	7.2	21.6
6 20	19 0.77	−31 23.3	2.648	3.634	4.6	21.4
6 30	18 52.06	−32 10.3	2.629	3.635	2.7	21.3
7 10	18 43.01	−32 49.5	2.638	3.636	3.6	21.4
7 20	18 34.40	−33 19.3	2.677	3.636	6.1	21.5
7 30	18 26.97	−33 39.6	2.742	3.637	8.7	21.7
8 9	18 21.31	−33 51.4	2.830	3.636	11.0	21.8

398275 2010 TB_{170} 7 3.1 281°.50 3°.6/ 3.6 18

5 31	19 11.25	−13 6.5	2.282	3.137	11.7	21.0
6 10	19 6.23	−12 39.4	2.195	3.124	9.0	20.8
6 20	18 59.55	−12 19.0	2.133	3.112	6.1	20.6
6 30	18 51.77	−12 6.0	2.096	3.099	3.8	20.4
7 10	18 43.66	−12 0.6	2.087	3.086	4.3	20.4
7 20	18 35.99	−12 2.4	2.105	3.073	7.0	20.6
7 30	18 29.53	−12 10.7	2.148	3.060	10.0	20.7
8 9	18 24.85	−12 24.2	2.214	3.047	12.8	20.9

144625 2004 FK_{69} 7 3.1 30°.43 1°.1/ 2.8 17

5 31	19 13.37	−24 54.0	1.878	2.756	12.8	19.9
6 10	19 8.09	−25 14.7	1.812	2.760	9.3	19.7
6 20	19 0.74	−25 36.1	1.770	2.764	5.5	19.5
6 30	18 52.05	−25 55.4	1.753	2.768	1.6	19.2
7 10	18 43.07	−26 10.2	1.763	2.772	3.2	19.4
7 20	18 34.81	−26 19.4	1.800	2.777	7.2	19.6
7 30	18 28.22	−26 23.2	1.861	2.782	10.8	19.8
8 9	18 23.94	−26 22.4	1.944	2.787	13.9	20.1

186963 2004 RV_{140} 7 3.1 323°.15 1°.7/ 2.8 18

5 31	19 12.60	−27 6.8	1.980	2.858	12.2	19.6
6 10	19 7.58	−27 19.6	1.901	2.847	9.0	19.4
6 20	19 0.48	−27 31.1	1.844	2.837	5.4	19.1
6 30	18 52.01	−27 38.6	1.814	2.828	2.0	18.9
7 10	18 43.14	−27 40.3	1.810	2.818	3.4	19.0
7 20	18 34.89	−27 35.5	1.833	2.809	7.2	19.2
7 30	18 28.21	−27 24.7	1.881	2.800	10.8	19.4
8 9	18 23.80	−27 9.6	1.950	2.792	13.9	19.6

164675 1997 EK_5 7 3.1 4°.53 2°.2/ 3.5 18

5 31	19 12.97	−17 6.8	1.663	2.539	14.2	20.2
6 10	19 7.96	−17 4.6	1.595	2.539	10.6	20.0
6 20	19 0.73	−17 9.7	1.549	2.539	6.6	19.8
6 30	18 52.07	−17 21.0	1.528	2.540	2.7	19.5
7 10	18 43.05	−17 37.1	1.532	2.540	3.7	19.6
7 20	18 34.77	−17 56.3	1.562	2.541	7.8	19.8
7 30	18 28.22	−18 17.4	1.616	2.543	11.8	20.1
8 9	18 24.10	−18 39.0	1.691	2.544	15.2	20.3

296192 2009 BU_{172} 7 3.1 81°.95 8°.0/ 5.3 18

5 31	19 11.38	− 0 36.9	2.022	2.839	14.4	20.2
6 10	19 6.33	− 0 0.7	1.961	2.847	12.0	20.1
6 20	18 59.58	+ 0 18.4	1.920	2.855	9.8	19.9
6 30	18 51.78	+ 0 18.1	1.902	2.862	8.2	19.9
7 10	18 43.75	− 0 1.8	1.910	2.870	8.2	19.9
7 20	18 36.31	− 0 39.4	1.943	2.878	9.6	20.0
7 30	18 30.24	− 1 31.6	1.999	2.886	11.8	20.1
8 9	18 26.07	− 2 33.7	2.076	2.894	14.1	20.3

19966 1987 SL_3 7 3.1 245°.53 2°.7/ 2.6 18

5 31	19 14.61	−31 27.8	2.453	3.318	10.7	17.5
6 10	19 8.69	−31 37.0	2.374	3.311	8.0	17.3
6 20	19 0.98	−31 41.7	2.319	3.305	5.1	17.1
6 30	18 52.12	−31 39.3	2.291	3.299	2.8	17.0
7 10	18 42.99	−31 28.4	2.291	3.292	3.7	17.0
7 20	18 34.45	−31 9.0	2.319	3.285	6.5	17.2
7 30	18 27.32	−30 42.5	2.373	3.279	9.4	17.4
8 9	18 22.17	−30 11.0	2.449	3.272	12.0	17.5

396842 2004 RE_{205} 7 3.1 318°.56 6°.4/ 3.1 17

5 31	19 11.32	− 9 54.6	1.771	2.630	14.3	20.7
6 10	19 6.90	− 8 51.0	1.667	2.593	11.5	20.4
6 20	19 0.28	− 7 54.8	1.585	2.556	8.6	20.1
6 30	18 52.03	− 7 9.6	1.528	2.519	6.6	19.9
7 10	18 43.06	− 6 37.8	1.495	2.483	7.2	19.9
7 20	18 34.42	− 6 21.3	1.487	2.447	10.0	20.0
7 30	18 27.19	− 6 19.8	1.502	2.411	13.6	20.1
8 9	18 22.24	− 6 31.5	1.537	2.376	17.1	20.2

263406 2008 DM_{26} 7 3.1 100°.21 2°.8/ 3.8 16

5 31	19 11.83	−14 18.4	2.266	3.123	11.7	21.0
6 10	19 6.54	−14 11.2	2.200	3.132	8.8	20.8
6 20	18 59.66	−14 11.0	2.157	3.140	5.7	20.6
6 30	18 51.80	−14 17.5	2.142	3.149	3.1	20.5
7 10	18 43.75	−14 29.9	2.153	3.157	3.6	20.5
7 20	18 36.26	−14 46.9	2.193	3.165	6.4	20.7
7 30	18 30.05	−15 7.4	2.258	3.173	9.4	20.9
8 9	18 25.64	−15 30.0	2.346	3.181	12.1	21.1

404893 2014 KL_{77} 7 3.1 185°.07 2°.4/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 11.25	−13 13.9	2.347	3.201	11.4	21.3
6 10	19 6.18	−13 39.1	2.271	3.201	8.6	21.1
6 20	18 59.51	−14 13.3	2.218	3.201	5.6	20.9
6 30	18 51.79	−14 55.2	2.193	3.201	2.8	20.7
7 10	18 43.76	−15 42.8	2.196	3.201	3.3	20.8
7 20	18 36.18	−16 33.6	2.226	3.201	6.2	20.9
7 30	18 29.79	−17 25.3	2.283	3.201	9.2	21.1
8 9	18 25.14	−18 15.9	2.364	3.200	12.0	21.3

128976 2004 TF_{173} 7 3.1 235°.71 4°.4/ 2.3 18

5 31	19 18.61	−34 13.9	1.987	2.852	12.8	20.2
6 10	19 12.13	−34 42.8	1.909	2.844	9.8	20.0
6 20	19 3.22	−35 5.0	1.855	2.835	6.6	19.8
6 30	18 52.71	−35 16.1	1.826	2.827	4.5	19.7
7 10	18 41.75	−35 13.1	1.824	2.817	5.4	19.7
7 20	18 31.55	−34 55.6	1.848	2.808	8.4	19.9
7 30	18 23.22	−34 25.9	1.897	2.798	11.6	20.0
8 9	18 17.52	−33 47.8	1.968	2.788	14.6	20.2

302402 2002 CL_{113} 7 3.1 69°.73 4°.4/ 2.3 18

5 31	19 16.24	−35 25.6	2.144	3.008	12.0	20.0
6 10	19 10.09	−35 52.0	2.083	3.015	9.2	19.8
6 20	19 1.86	−36 10.8	2.045	3.023	6.4	19.6
6 30	18 52.36	−36 18.4	2.033	3.031	4.5	19.5
7 10	18 42.63	−36 12.6	2.048	3.038	5.3	19.6
7 20	18 33.74	−35 53.7	2.089	3.046	7.8	19.8
7 30	18 26.58	−35 23.9	2.155	3.054	10.6	20.0
8 9	18 21.78	−34 46.4	2.243	3.061	13.1	20.2

326846 2003 UD_{130} 7 3.1 271°.13 1°.2/ 2.9 18

5 31	19 18.62	−25 33.8	1.616	2.494	14.5	20.7
6 10	19 12.62	−25 40.0	1.524	2.471	10.8	20.5
6 20	19 3.79	−25 45.9	1.453	2.447	6.5	20.1
6 30	18 52.91	−25 48.1	1.408	2.423	1.9	19.8
7 10	18 41.24	−25 44.2	1.389	2.398	3.8	19.9
7 20	18 30.17	−25 33.3	1.396	2.373	8.7	20.1
7 30	18 21.09	−25 16.5	1.426	2.348	13.4	20.3
8 9	18 14.95	−24 56.3	1.477	2.322	17.4	20.5

181931 1999 TJ_{138} 7 3.1 274°.27 3°.6/ 3.8 18

5 31	19 10.95	−12 17.9	2.311	3.165	11.6	20.2
6 10	19 5.99	−11 57.4	2.229	3.156	9.0	20.0
6 20	18 59.42	−11 44.4	2.170	3.147	6.1	19.8
6 30	18 51.80	−11 39.6	2.137	3.139	3.9	19.7
7 10	18 43.86	−11 42.8	2.132	3.130	4.3	19.7
7 20	18 36.38	−11 53.4	2.153	3.121	6.8	19.8
7 30	18 30.09	−12 10.1	2.201	3.113	9.8	20.0
8 9	18 25.55	−12 31.4	2.271	3.104	12.5	20.2

29544 1998 BE_{30} 7 3.1 53°.31 5°.6/ 2.0 18

5 31	19 17.09	−37 50.1	2.044	2.905	12.6	17.9
6 10	19 10.94	−38 30.3	1.981	2.909	9.9	17.7
6 20	19 2.47	−39 1.5	1.942	2.912	7.2	17.6
6 30	18 52.54	−39 18.9	1.927	2.916	5.7	17.5
7 10	18 42.29	−39 19.6	1.939	2.920	6.4	17.6
7 20	18 32.91	−39 3.6	1.977	2.924	8.7	17.7
7 30	18 25.43	−38 33.3	2.038	2.929	11.5	17.9
8 9	18 20.52	−37 53.0	2.121	2.933	14.0	18.1

288677 2004 PW_{82} 7 3.1 342°.30 4°.9/ 4.3 18

5 31	19 10.23	− 8 55.1	2.054	2.905	13.0	20.6
6 10	19 5.60	− 8 39.6	1.980	2.902	10.2	20.5
6 20	18 59.24	− 8 35.8	1.929	2.899	7.3	20.3
6 30	18 51.76	− 8 44.2	1.902	2.896	5.2	20.1
7 10	18 43.98	− 9 4.5	1.901	2.894	5.4	20.1
7 20	18 36.71	− 9 35.2	1.927	2.892	7.7	20.3
7 30	18 30.75	−10 13.8	1.977	2.890	10.7	20.5
8 9	18 26.69	−10 57.6	2.049	2.888	13.4	20.6

66254 1999 GZ_{19} 7 3.1 4°.60 4°.4/ 2.3 18

5 31	19 12.51	−28 34.3	0.988	1.900	18.6	17.3
6 10	19 9.03	−29 26.6	0.936	1.899	13.9	17.0
6 20	19 1.97	−30 17.8	0.902	1.899	8.7	16.8
6 30	18 52.49	−31 0.3	0.889	1.901	4.6	16.5
7 10	18 42.40	−31 27.7	0.897	1.903	6.4	16.7
7 20	18 33.63	−31 37.6	0.927	1.908	11.4	16.9
7 30	18 27.81	−31 31.7	0.975	1.913	16.3	17.2
8 9	18 25.87	−31 14.1	1.040	1.920	20.5	17.5

91190 1998 SV_{49} 7 3.1 179°.51 1°.8/ 2.6 18

5 31	19 12.97	−28 15.9	2.641	3.506	10.0	19.7
6 10	19 7.37	−28 39.1	2.567	3.507	7.3	19.5
6 20	19 0.18	−29 0.6	2.518	3.507	4.5	19.3
6 30	18 51.98	−29 17.9	2.496	3.507	2.0	19.2
7 10	18 43.52	−29 29.3	2.503	3.507	3.0	19.2
7 20	18 35.57	−29 34.1	2.538	3.507	5.9	19.4
7 30	18 28.84	−29 32.6	2.599	3.507	8.6	19.6
8 9	18 23.88	−29 26.0	2.684	3.506	11.1	19.8

44232 1998 QJ_{28} 7 3.1 49°.08 7°.4/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 23.57	−11 56.8	1.603	2.452	16.1	17.2
6 10	19 15.30	− 9 26.8	1.548	2.468	12.6	17.1
6 20	19 4.79	− 7 2.9	1.519	2.485	9.4	16.9
6 30	18 53.05	− 4 52.4	1.517	2.502	7.5	16.8
7 10	18 41.33	− 3 1.9	1.544	2.519	8.4	16.9
7 20	18 30.78	− 1 35.5	1.597	2.536	11.1	17.1
7 30	18 22.34	− 0 33.7	1.675	2.554	14.1	17.4
8 9	18 16.59	+ 0 5.8	1.773	2.572	16.8	17.6

73561 2803 P–L 7 3.1 213°.57 2°.0/ 3.5 18

5 31	19 16.58	−17 42.5	1.654	2.526	14.6	20.2
6 10	19 10.70	−17 40.7	1.580	2.522	10.9	20.0
6 20	19 2.44	−17 45.5	1.528	2.518	6.7	19.7
6 30	18 52.57	−17 55.7	1.500	2.513	2.6	19.5
7 10	18 42.23	−18 9.8	1.499	2.508	3.7	19.5
7 20	18 32.62	−18 26.2	1.525	2.503	8.1	19.8
7 30	18 24.84	−18 43.8	1.574	2.497	12.2	20.0
8 9	18 19.66	−19 1.9	1.645	2.491	15.8	20.2

261150 2005 TN_{79} 7 3.1 262°.61 1°.8/ 2.6 18

5 31	19 13.58	−26 40.9	2.352	3.221	10.9	20.7
6 10	19 8.12	−27 15.8	2.264	3.207	8.0	20.5
6 20	19 0.79	−27 51.1	2.201	3.192	4.9	20.2
6 30	18 52.16	−28 23.6	2.165	3.178	2.0	20.0
7 10	18 43.08	−28 50.6	2.157	3.163	3.3	20.1
7 20	18 34.44	−29 10.6	2.177	3.148	6.6	20.3
7 30	18 27.10	−29 23.1	2.222	3.132	9.8	20.5
8 9	18 21.74	−29 29.1	2.291	3.117	12.6	20.6

386293 2008 RG_{134} 7 3.1 282°.95 3°.9/ 4.1 18

5 31	19 13.43	−11 45.8	1.791	2.651	14.1	21.3
6 10	19 8.43	−11 52.3	1.697	2.629	11.0	21.0
6 20	19 1.18	−12 11.2	1.625	2.606	7.4	20.8
6 30	18 52.30	−12 42.6	1.578	2.583	4.3	20.5
7 10	18 42.74	−13 24.9	1.557	2.560	4.8	20.5
7 20	18 33.58	−14 15.5	1.562	2.537	8.3	20.7
7 30	18 25.90	−15 11.2	1.592	2.513	12.2	20.8
8 9	18 20.55	−16 9.0	1.643	2.490	15.8	21.0

444048 2004 RG_{42} 7 3.1 323°.13 6°.1/ 1.5 15

5 31	19 14.42	−37 3.9	1.888	2.758	13.1	20.8
6 10	19 9.40	−37 56.7	1.808	2.741	10.3	20.6
6 20	19 1.82	−38 42.4	1.750	2.724	7.6	20.4
6 30	18 52.45	−39 15.1	1.717	2.708	6.1	20.3
7 10	18 42.47	−39 30.5	1.709	2.692	7.0	20.3
7 20	18 33.15	−39 27.3	1.726	2.676	9.6	20.5
7 30	18 25.72	−39 7.1	1.766	2.661	12.7	20.6
8 9	18 21.04	−38 33.9	1.827	2.647	15.6	20.8

222726 2002 AS_{161} 7 3.1 164°.36 0°.3/ 3.0 18

5 31	19 16.90	−23 39.4	2.350	3.212	11.2	21.4
6 10	19 10.28	−23 47.4	2.279	3.218	8.2	21.2
6 20	19 1.90	−23 55.8	2.233	3.224	4.8	21.0
6 30	18 52.41	−24 2.8	2.214	3.229	1.2	20.7
7 10	18 42.69	−24 6.9	2.224	3.233	2.6	20.9
7 20	18 33.59	−24 7.7	2.263	3.237	6.1	21.1
7 30	18 25.91	−24 5.2	2.328	3.240	9.3	21.3
8 9	18 20.23	−24 0.5	2.417	3.242	12.1	21.5

251336 2007 EU_{14} 7 3.1 267°.78 2°.2/ 2.7 18

5 31	19 14.17	−29 19.8	2.374	3.241	10.9	20.9
6 10	19 8.52	−29 34.3	2.287	3.227	8.1	20.7
6 20	19 0.99	−29 46.1	2.224	3.213	5.0	20.5
6 30	18 52.22	−29 52.6	2.188	3.199	2.4	20.3
7 10	18 43.07	−29 51.8	2.180	3.184	3.5	20.3
7 20	18 34.44	−29 43.3	2.200	3.170	6.6	20.5
7 30	18 27.17	−29 27.8	2.245	3.155	9.7	20.7
8 9	18 21.92	−29 7.3	2.313	3.140	12.5	20.8

31231 Uthmann 7 3.1 154°.82 0°.4/ 2.9 18

5 31	19 16.70	−22 22.3	2.255	3.118	11.5	19.5
6 10	19 10.24	−22 56.2	2.187	3.126	8.4	19.4
6 20	19 1.93	−23 32.5	2.143	3.135	4.9	19.2
6 30	18 52.44	−24 8.5	2.127	3.142	1.2	18.9
7 10	18 42.65	−24 41.6	2.140	3.149	2.7	19.0
7 20	18 33.46	−25 10.0	2.181	3.155	6.3	19.3
7 30	18 25.72	−25 33.1	2.249	3.161	9.6	19.5
8 9	18 20.03	−25 51.2	2.340	3.165	12.4	19.7

233988 1995 VO_3 7 3.1 243°.56 0°.6/ 3.3 18

5 31	19 14.55	−20 10.0	1.990	2.860	12.5	21.2
6 10	19 8.99	−20 25.4	1.908	2.850	9.3	21.0
6 20	19 1.36	−20 45.3	1.849	2.841	5.5	20.7
6 30	18 52.33	−21 7.9	1.816	2.831	1.5	20.5
7 10	18 42.84	−21 30.9	1.810	2.820	2.9	20.5
7 20	18 33.89	−21 52.6	1.832	2.809	7.0	20.8
7 30	18 26.43	−22 12.2	1.879	2.799	10.7	21.0
8 9	18 21.18	−22 29.3	1.948	2.787	14.0	21.2

39325 2001 WA_{87} 7 3.1 178°.12 0°.4/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 16.24	−22 43.4	2.272	3.135	11.4	19.7
6 10	19 9.94	−23 8.7	2.197	3.137	8.4	19.5
6 20	19 1.78	−23 36.2	2.147	3.139	4.9	19.3
6 30	18 52.42	−24 3.3	2.125	3.140	1.2	19.0
7 10	18 42.72	−24 27.8	2.131	3.140	2.7	19.1
7 20	18 33.59	−24 48.1	2.165	3.139	6.3	19.3
7 30	18 25.87	−25 3.9	2.226	3.138	9.6	19.6
8 9	18 20.18	−25 15.5	2.310	3.137	12.5	19.7

121806 2000 AH_{187} 7 3.1 305°.58 1°.1/ 3.6 18

5 31	19 13.59	−15 55.6	2.038	2.901	12.6	19.2
6 10	19 8.55	−16 53.0	1.928	2.866	9.5	18.9
6 20	19 1.31	−18 2.9	1.842	2.831	5.8	18.6
6 30	18 52.39	−19 22.8	1.782	2.796	1.9	18.3
7 10	18 42.62	−20 48.6	1.751	2.761	3.0	18.3
7 20	18 33.00	−22 15.4	1.748	2.726	7.3	18.5
7 30	18 24.60	−23 39.2	1.772	2.691	11.3	18.7
8 9	18 18.33	−24 57.1	1.819	2.656	14.9	18.9

374336 2005 TG_{171} 7 3.1 183°.84 1°.6/ 2.9 18

5 31	19 18.82	−27 59.3	2.244	3.106	11.6	21.4
6 10	19 11.84	−28 3.6	2.169	3.107	8.6	21.2
6 20	19 2.88	−28 4.9	2.117	3.107	5.2	21.0
6 30	18 52.68	−28 1.0	2.093	3.106	2.0	20.8
7 10	18 42.21	−27 50.3	2.098	3.105	3.2	20.9
7 20	18 32.43	−27 33.0	2.131	3.103	6.6	21.1
7 30	18 24.23	−27 10.4	2.191	3.100	9.9	21.3
8 9	18 18.24	−26 44.5	2.273	3.096	12.8	21.5

442906 2013 CV_{12} 7 3.1 58°.59 1°.6/ 3.6 18

5 31	19 11.81	−16 57.3	2.147	3.012	11.9	21.5
6 10	19 6.74	−17 13.7	2.076	3.015	8.8	21.3
6 20	18 59.91	−17 36.5	2.029	3.018	5.4	21.1
6 30	18 51.98	−18 4.4	2.008	3.021	2.1	20.9
7 10	18 43.75	−18 35.4	2.015	3.024	2.9	20.9
7 20	18 36.07	−19 7.6	2.049	3.027	6.4	21.2
7 30	18 29.72	−19 39.5	2.109	3.030	9.7	21.4
8 9	18 25.31	−20 10.0	2.192	3.033	12.6	21.6

250402 2003 UP_{205} 7 3.1 262°.80 2°.2/ 3.5 17

5 31	19 16.23	−17 22.7	1.590	2.464	14.9	21.3
6 10	19 10.71	−17 22.2	1.505	2.448	11.2	21.0
6 20	19 2.62	−17 29.2	1.441	2.432	7.0	20.7
6 30	18 52.69	−17 42.6	1.402	2.415	2.8	20.4
7 10	18 42.08	−18 0.8	1.389	2.398	4.0	20.5
7 20	18 32.07	−18 21.8	1.401	2.380	8.6	20.7
7 30	18 23.88	−18 44.5	1.438	2.363	13.0	20.9
8 9	18 18.41	−19 7.6	1.494	2.345	17.0	21.1

186289 2002 BB_{19} 7 3.1 81°.10 5°.1/ 2.2 18

5 31	19 17.53	−37 46.5	2.226	3.082	11.9	19.6
6 10	19 11.00	−38 21.0	2.173	3.098	9.2	19.5
6 20	19 2.40	−38 46.5	2.143	3.113	6.7	19.3
6 30	18 52.56	−38 59.0	2.139	3.128	5.2	19.3
7 10	18 42.56	−38 56.4	2.162	3.143	5.8	19.3
7 20	18 33.44	−38 39.0	2.211	3.158	8.0	19.5
7 30	18 26.11	−38 9.1	2.285	3.173	10.5	19.7
8 9	18 21.14	−37 30.5	2.381	3.188	12.8	19.9

470789 2008 UT_{315} 7 3.1 287°.24 0°.7/ 3.2 18

5 31	19 14.60	−20 45.4	1.786	2.661	13.5	21.3
6 10	19 9.37	−20 48.0	1.692	2.638	10.0	21.0
6 20	19 1.78	−20 54.4	1.621	2.614	6.0	20.7
6 30	18 52.49	−21 3.1	1.576	2.591	1.7	20.4
7 10	18 42.55	−21 12.3	1.556	2.567	3.2	20.4
7 20	18 33.09	−21 20.8	1.563	2.543	7.8	20.7
7 30	18 25.25	−21 28.2	1.595	2.519	12.0	20.8
8 9	18 19.88	−21 34.4	1.647	2.495	15.8	21.0

147892 2006 RC_{60} 7 3.1 298°.08 2°.3/ 3.4 18

5 31	19 14.54	−18 7.3	1.404	2.288	15.9	20.4
6 10	19 9.75	−17 55.1	1.320	2.269	12.0	20.1
6 20	19 2.18	−17 49.6	1.258	2.251	7.4	19.8
6 30	18 52.61	−17 50.3	1.219	2.232	3.0	19.5
7 10	18 42.29	−17 55.9	1.204	2.213	4.3	19.5
7 20	18 32.63	−18 5.3	1.214	2.195	9.2	19.7
7 30	18 24.98	−18 17.7	1.246	2.177	14.1	20.0
8 9	18 20.30	−18 32.0	1.297	2.160	18.3	20.2

32359 2000 QZ_{128} 7 3.1 214°.40 1°.3/ 3.3 18

5 31	19 15.66	−19 29.1	2.022	2.888	12.5	18.6
6 10	19 9.69	−19 21.8	1.942	2.882	9.3	18.4
6 20	19 1.72	−19 18.0	1.886	2.877	5.6	18.1
6 30	18 52.44	−19 16.8	1.857	2.870	1.9	17.9
7 10	18 42.79	−19 17.1	1.855	2.864	3.1	17.9
7 20	18 33.74	−19 18.4	1.880	2.857	6.9	18.2
7 30	18 26.21	−19 20.5	1.931	2.849	10.6	18.4
8 9	18 20.85	−19 23.3	2.004	2.842	13.8	18.6

467733 2009 PH_{11} 7 3.1 346°.15 6°.8/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 7.33	− 9 47.2	1.045	1.940	19.2	20.1
6 10	19 4.85	− 9 26.3	0.979	1.927	15.2	19.8
6 20	18 59.44	− 9 25.3	0.931	1.915	10.9	19.5
6 30	18 51.96	− 9 46.8	0.903	1.905	7.4	19.3
7 10	18 43.79	−10 30.0	0.895	1.897	7.6	19.3
7 20	18 36.45	−11 30.9	0.908	1.890	11.4	19.5
7 30	18 31.38	−12 43.6	0.941	1.886	16.1	19.7
8 9	18 29.56	−14 1.0	0.991	1.882	20.4	20.0

404869 2014 KV_{42} 7 3.1 324°.18 0°.1/ 3.0 18

5 31	19 12.69	−17 54.5	1.785	2.660	13.5	19.5
6 10	19 8.11	−19 19.4	1.691	2.636	10.0	19.2
6 20	19 1.14	−20 58.2	1.619	2.613	6.0	18.9
6 30	18 52.38	−22 46.1	1.574	2.590	1.4	18.5
7 10	18 42.76	−24 36.8	1.558	2.568	3.3	18.6
7 20	18 33.42	−26 23.5	1.568	2.546	7.9	18.9
7 30	18 25.54	−28 1.1	1.604	2.525	12.2	19.1
8 9	18 20.11	−29 26.8	1.662	2.505	15.9	19.3

470637 2008 ST_{81} 7 3.1 334°.62 16°.7/ 2.2 18

5 31	19 24.10	−55 22.4	1.197	2.035	21.1	19.5
6 10	19 19.16	−56 21.9	1.125	2.008	19.2	19.2
6 20	19 8.71	−56 51.5	1.069	1.983	17.5	19.1
6 30	18 54.27	−56 36.4	1.029	1.959	16.7	18.9
7 10	18 38.86	−55 27.6	1.008	1.936	17.1	18.9
7 20	18 25.71	−53 26.0	1.005	1.916	18.7	18.9
7 30	18 17.25	−50 42.3	1.020	1.897	21.2	19.0
8 9	18 14.40	−47 33.2	1.051	1.880	24.0	19.1

410704 2009 AJ_{28} 7 3.1 212°.41 2°.1/ 3.6 17

5 31	19 16.65	−16 23.7	1.418	2.296	16.2	21.2
6 10	19 11.12	−16 45.8	1.349	2.294	12.1	21.0
6 20	19 2.87	−17 18.9	1.301	2.292	7.5	20.7
6 30	18 52.77	−18 0.6	1.277	2.290	2.8	20.4
7 10	18 42.10	−18 47.3	1.278	2.288	4.0	20.5
7 20	18 32.24	−19 35.3	1.305	2.286	8.8	20.8
7 30	18 24.45	−20 21.7	1.354	2.283	13.4	21.0
8 9	18 19.61	−21 4.8	1.424	2.280	17.3	21.3

309686 2008 EF_{167} 7 3.1 16°.94 1°.2/ 3.4 18

5 31	19 12.06	−19 15.5	2.067	2.938	12.1	20.9
6 10	19 6.98	−19 17.3	1.997	2.939	8.9	20.7
6 20	19 0.09	−19 23.3	1.949	2.940	5.4	20.5
6 30	18 52.05	−19 32.4	1.928	2.942	1.8	20.3
7 10	18 43.73	−19 43.4	1.934	2.943	2.9	20.4
7 20	18 36.00	−19 55.0	1.967	2.945	6.5	20.6
7 30	18 29.70	−20 6.7	2.025	2.947	10.0	20.8
8 9	18 25.40	−20 18.0	2.106	2.949	13.0	21.0

451315 2010 UY_{53} 7 3.1 296°.58 2°.4/ 3.5 18

5 31	19 11.75	−16 39.0	2.220	3.084	11.6	21.3
6 10	19 6.69	−16 15.3	2.137	3.074	8.8	21.1
6 20	18 59.91	−15 56.0	2.078	3.065	5.6	20.9
6 30	18 52.01	−15 41.5	2.046	3.055	2.8	20.7
7 10	18 43.80	−15 31.6	2.041	3.046	3.5	20.7
7 20	18 36.09	−15 26.3	2.063	3.037	6.6	20.9
7 30	18 29.66	−15 25.0	2.110	3.028	9.9	21.1
8 9	18 25.09	−15 27.4	2.180	3.019	12.8	21.2

420008 2011 CJ_{64} 7 3.1 93°.43 13°.5/ 5.6 18

5 31	19 51.47	−62 1.6	1.916	2.659	17.6	20.6
6 10	19 36.90	−62 33.7	1.874	2.678	15.9	20.5
6 20	19 17.59	−62 34.8	1.851	2.697	14.5	20.4
6 30	18 56.09	−61 55.3	1.848	2.715	13.6	20.4
7 10	18 35.63	−60 33.2	1.867	2.733	13.5	20.4
7 20	18 18.80	−58 34.5	1.910	2.751	14.3	20.5
7 30	18 6.98	−56 10.8	1.975	2.769	15.6	20.6
8 9	18 0.33	−53 34.8	2.061	2.786	17.0	20.8

320532 2007 YS_{62} 7 3.1 13°.54 0°.5/ 3.1 17

5 31	19 15.16	−24 33.8	1.185	2.084	17.2	20.6
6 10	19 10.33	−24 26.7	1.128	2.086	12.6	20.3
6 20	19 2.47	−24 19.8	1.092	2.089	7.4	20.0
6 30	18 52.67	−24 10.6	1.077	2.092	1.9	19.7
7 10	18 42.49	−23 57.6	1.086	2.097	4.0	19.9
7 20	18 33.50	−23 40.8	1.118	2.102	9.4	20.2
7 30	18 27.04	−23 21.9	1.171	2.108	14.3	20.5
8 9	18 23.88	−23 2.5	1.244	2.115	18.4	20.7

323668 2005 EC_{87} 7 3.1 196°.86 0°.9/ 2.9 17

5 31	19 19.40	−24 35.5	1.943	2.810	12.9	22.4
6 10	19 12.60	−24 53.6	1.866	2.807	9.5	22.2
6 20	19 3.52	−25 12.4	1.812	2.804	5.6	22.0
6 30	18 52.92	−25 28.7	1.784	2.799	1.6	21.7
7 10	18 41.88	−25 40.3	1.785	2.794	3.2	21.8
7 20	18 31.52	−25 45.9	1.813	2.788	7.3	22.1
7 30	18 22.90	−25 46.0	1.867	2.781	11.1	22.3
8 9	18 16.75	−25 42.0	1.943	2.773	14.4	22.5

441812 2009 JH_8 7 3.1 23°.70 2°.8/ 2.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 13.93	−27 7.7	1.878	2.756	12.8	20.7
6 10	19 8.73	−28 14.0	1.813	2.760	9.4	20.5
6 20	19 1.30	−29 21.1	1.772	2.764	5.8	20.3
6 30	18 52.39	−30 23.9	1.758	2.768	2.9	20.1
7 10	18 43.04	−31 17.9	1.770	2.772	4.3	20.2
7 20	18 34.35	−32 0.2	1.808	2.777	7.8	20.5
7 30	18 27.35	−32 30.2	1.872	2.783	11.3	20.7
8 9	18 22.77	−32 49.2	1.956	2.788	14.3	20.9

86028 1999 LR_{19} 7 3.1 10°.72 7°.4/ 2.3 17

5 31	19 15.24	−11 10.0	1.548	2.412	15.8	17.8
6 10	19 9.56	− 9 8.1	1.488	2.415	12.5	17.6
6 20	19 1.67	− 7 13.6	1.450	2.419	9.4	17.4
6 30	18 52.45	− 5 32.4	1.437	2.424	7.5	17.3
7 10	18 43.02	− 4 9.8	1.449	2.430	8.2	17.4
7 20	18 34.49	− 3 8.5	1.487	2.437	10.9	17.6
7 30	18 27.83	− 2 28.9	1.547	2.445	14.0	17.8
8 9	18 23.67	− 2 8.4	1.626	2.454	16.9	18.0

505802 2015 BQ_{357} 7 3.1 292°.37 5°.1/ 2.3 17

5 31	19 18.30	−32 56.8	1.470	2.352	15.5	21.2
6 10	19 12.71	−33 37.2	1.395	2.340	11.8	21.0
6 20	19 4.00	−34 11.9	1.341	2.328	8.0	20.7
6 30	18 53.10	−34 34.6	1.311	2.315	5.2	20.5
7 10	18 41.48	−34 40.5	1.305	2.303	6.5	20.6
7 20	18 30.77	−34 28.3	1.324	2.291	10.3	20.8
7 30	18 22.45	−34 0.7	1.365	2.279	14.4	21.0
8 9	18 17.49	−33 22.6	1.425	2.268	18.0	21.2

252885 2002 JU_{80} 7 3.1 105°.05 5°.5/ 2.1 17

5 31	19 20.55	−33 25.3	1.449	2.329	15.8	20.4
6 10	19 14.19	−34 18.6	1.392	2.334	12.0	20.2
6 20	19 4.73	−35 5.1	1.356	2.340	8.2	20.0
6 30	18 53.23	−35 37.9	1.343	2.345	5.6	19.8
7 10	18 41.28	−35 52.2	1.356	2.350	6.7	19.9
7 20	18 30.50	−35 47.3	1.392	2.355	10.3	20.1
7 30	18 22.26	−35 26.0	1.452	2.361	14.0	20.4
8 9	18 17.41	−34 53.7	1.530	2.365	17.4	20.6

500805 2013 GR_{24} 7 3.1 131°.00 6°.2/ 5.1 18

5 31	19 10.72	+ 0 49.3	3.084	3.870	10.6	22.2
6 10	19 5.37	+ 1 23.5	3.023	3.885	9.0	22.1
6 20	18 58.90	+ 1 45.6	2.984	3.900	7.4	22.0
6 30	18 51.77	+ 1 54.1	2.972	3.915	6.4	21.9
7 10	18 44.52	+ 1 48.8	2.986	3.929	6.4	21.9
7 20	18 37.68	+ 1 30.5	3.027	3.942	7.3	22.0
7 30	18 31.75	+ 1 1.0	3.094	3.956	8.8	22.1
8 9	18 27.13	+ 0 22.9	3.183	3.968	10.4	22.3

503858 1998 HQ_{151} 7 3.1 38°.97 0°.3/ 4.0 17

5 31	18 52.65	−12 59.3	31.857	32.697	1.0	24.0
6 10	18 51.78	−12 58.5	31.784	32.704	0.8	24.0
6 20	18 50.83	−12 58.3	31.738	32.712	0.5	24.0
6 30	18 49.82	−12 58.7	31.720	32.719	0.3	24.0
7 10	18 48.80	−12 59.6	31.730	32.727	0.4	24.0
7 20	18 47.81	−13 1.0	31.769	32.734	0.6	24.0
7 30	18 46.88	−13 2.9	31.836	32.742	0.8	24.0
8 9	18 46.05	−13 5.0	31.928	32.749	1.1	24.1

90414 Karpov 7 3.1 142°.88 3°.6/ 2.7 17

5 31	19 20.08	−31 1.7	1.624	2.499	14.6	19.8
6 10	19 13.44	−31 23.7	1.561	2.504	10.9	19.5
6 20	19 4.12	−31 40.3	1.520	2.508	6.9	19.3
6 30	18 53.08	−31 47.0	1.503	2.512	3.8	19.1
7 10	18 41.70	−31 41.1	1.513	2.516	5.0	19.2
7 20	18 31.35	−31 22.6	1.549	2.519	8.8	19.5
7 30	18 23.24	−30 54.1	1.608	2.522	12.6	19.7
8 9	18 18.10	−30 19.4	1.688	2.525	15.9	19.9

326916 2003 YM_{17} 7 3.1 142°.89 3°.4/ 1.8 16

5 31	19 22.17	−27 52.5	1.994	2.856	12.8	21.3
6 10	19 14.71	−29 24.1	1.932	2.869	9.5	21.1
6 20	19 4.82	−30 55.9	1.895	2.882	6.0	21.0
6 30	18 53.28	−32 21.1	1.887	2.893	3.5	20.8
7 10	18 41.22	−33 33.9	1.907	2.904	4.8	20.9
7 20	18 29.85	−34 31.0	1.956	2.914	8.1	21.1
7 30	18 20.31	−35 12.0	2.031	2.923	11.4	21.4
8 9	18 13.36	−35 39.1	2.127	2.932	14.2	21.6

66866 1999 VS_{45} 7 3.1 36°.97 6°.4/ 2.4 18

5 31	19 18.59	−37 7.8	1.511	2.387	15.5	17.3
6 10	19 12.58	−37 44.4	1.460	2.396	12.0	17.1
6 20	19 3.67	−38 9.9	1.429	2.407	8.6	17.0
6 30	18 52.97	−38 18.3	1.423	2.417	6.5	16.9
7 10	18 42.03	−38 6.5	1.440	2.429	7.3	17.0
7 20	18 32.35	−37 35.5	1.482	2.440	10.2	17.1
7 30	18 25.18	−36 49.6	1.546	2.452	13.5	17.4
8 9	18 21.20	−35 54.4	1.630	2.465	16.5	17.6

507761 2013 YX_{74} 7 3.1 205°.84 0°.6/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 16.42	−24 31.4	2.167	3.033	11.8	22.3
6 10	19 10.20	−24 35.6	2.088	3.029	8.7	22.1
6 20	19 2.03	−24 39.7	2.032	3.024	5.1	21.9
6 30	18 52.59	−24 41.8	2.004	3.019	1.3	21.6
7 10	18 42.80	−24 40.4	2.004	3.014	2.8	21.7
7 20	18 33.62	−24 35.0	2.032	3.008	6.6	21.9
7 30	18 25.95	−24 26.2	2.086	3.001	10.1	22.1
8 9	18 20.41	−24 15.1	2.162	2.994	13.1	22.3

465838 2010 MJ_{46} 7 3.1 327°.32 2°.7/ 2.7 17

5 31	19 13.07	−26 15.7	1.113	2.018	17.5	20.5
6 10	19 9.42	−26 49.8	1.041	2.001	13.1	20.2
6 20	19 2.35	−27 26.2	0.988	1.985	8.0	19.8
6 30	18 52.78	−27 59.1	0.956	1.970	3.1	19.5
7 10	18 42.28	−28 23.4	0.947	1.956	5.2	19.6
7 20	18 32.69	−28 35.8	0.959	1.943	10.8	19.8
7 30	18 25.72	−28 36.6	0.992	1.931	16.1	20.1
8 9	18 22.48	−28 28.4	1.041	1.920	20.6	20.3

306847 2001 SH_{84} 7 3.1 350°.36 8°.0/ 2.6 18

5 31	19 19.26	−42 23.8	1.630	2.491	15.3	19.7
6 10	19 13.22	−42 51.4	1.565	2.486	12.4	19.5
6 20	19 4.13	−43 3.7	1.520	2.482	9.7	19.3
6 30	18 53.11	−42 54.2	1.499	2.478	8.1	19.2
7 10	18 41.74	−42 20.0	1.501	2.476	8.6	19.2
7 20	18 31.60	−41 22.7	1.528	2.473	11.0	19.4
7 30	18 24.02	−40 7.5	1.577	2.472	13.9	19.6
8 9	18 19.74	−38 41.8	1.646	2.471	16.8	19.7

475809 2006 YH_{27} 7 3.1 159°.09 0°.5/ 3.0 17

5 31	19 13.78	−24 42.3	2.538	3.403	10.3	21.9
6 10	19 7.97	−24 42.7	2.466	3.406	7.6	21.8
6 20	19 0.58	−24 42.6	2.418	3.410	4.4	21.6
6 30	18 52.22	−24 40.7	2.398	3.413	1.2	21.3
7 10	18 43.66	−24 36.0	2.406	3.416	2.4	21.4
7 20	18 35.66	−24 28.3	2.443	3.418	5.7	21.7
7 30	18 28.91	−24 17.9	2.507	3.421	8.7	21.9
8 9	18 23.95	−24 5.8	2.594	3.423	11.2	22.0

508640 2017 TR_9 7 3.1 302°.41 6°.4/ 1.7 17

5 31	19 17.97	−33 29.8	1.312	2.201	16.5	20.7
6 10	19 12.94	−34 37.8	1.240	2.186	12.8	20.4
6 20	19 4.40	−35 41.6	1.187	2.172	8.9	20.2
6 30	18 53.28	−36 32.5	1.157	2.158	6.5	20.0
7 10	18 41.21	−37 3.1	1.151	2.144	7.9	20.0
7 20	18 30.05	−37 10.6	1.167	2.131	11.7	20.2
7 30	18 21.53	−36 57.0	1.204	2.117	16.0	20.4
8 9	18 16.79	−36 27.8	1.260	2.105	19.8	20.6

6340 Kathmandu 7 3.1 118°.08 0°.4/ 3.0 18

5 31	19 12.71	−23 22.3	2.600	3.465	10.1	17.7
6 10	19 7.14	−23 37.8	2.535	3.476	7.4	17.6
6 20	19 0.08	−23 54.3	2.494	3.486	4.3	17.4
6 30	18 52.11	−24 10.0	2.481	3.497	1.1	17.2
7 10	18 43.96	−24 23.4	2.497	3.507	2.3	17.3
7 20	18 36.34	−24 33.7	2.541	3.517	5.5	17.5
7 30	18 29.92	−24 40.8	2.612	3.527	8.3	17.7
8 9	18 25.20	−24 45.1	2.707	3.536	10.8	17.9

461377 2001 FR_{127} 7 3.1 172°.98 31°.3/12.9 18

5 31	19 22.37	+30 35.1	0.990	1.676	33.7	21.5
6 10	19 16.30	+33 38.9	0.964	1.681	32.8	21.4
6 20	19 6.38	+35 48.0	0.943	1.684	32.1	21.4
6 30	18 53.76	+36 48.6	0.931	1.686	31.5	21.3
7 10	18 40.32	+36 33.4	0.925	1.687	31.3	21.3
7 20	18 28.12	+35 3.1	0.928	1.687	31.3	21.3
7 30	18 18.99	+32 25.9	0.938	1.685	31.7	21.3
8 9	18 14.04	+28 57.1	0.957	1.683	32.4	21.4

485655 2011 WV_{49} 7 3.1 204°.67 2°.2/ 3.7 18

5 31	19 11.78	−14 59.9	3.039	3.886	9.3	22.4
6 10	19 6.30	−14 48.7	2.954	3.880	7.0	22.2
6 20	18 59.56	−14 42.0	2.893	3.874	4.5	22.0
6 30	18 52.00	−14 39.7	2.860	3.867	2.4	21.9
7 10	18 44.21	−14 41.4	2.857	3.860	2.9	21.9
7 20	18 36.78	−14 46.7	2.883	3.852	5.2	22.1
7 30	18 30.28	−14 54.9	2.936	3.844	7.7	22.2
8 9	18 25.17	−15 5.4	3.013	3.835	10.0	22.4

394640 2007 YC_{38} 7 3.1 143°.21 1°.0/ 2.9 14 C

5 31	19 14.56	−25 35.6	2.437	3.303	10.7	22.2
6 10	19 8.61	−25 49.8	2.369	3.310	7.8	22.0
6 20	19 0.99	−26 3.5	2.326	3.317	4.6	21.8
6 30	18 52.35	−26 14.6	2.310	3.324	1.4	21.6
7 10	18 43.49	−26 21.6	2.322	3.331	2.7	21.7
7 20	18 35.21	−26 23.8	2.363	3.337	5.9	22.0
7 30	18 28.28	−26 21.6	2.430	3.343	9.0	22.2
8 9	18 23.23	−26 15.9	2.521	3.348	11.6	22.3

253783 2003 WT_{149} 7 3.1 275°.20 1°.6/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 16.36	−18 31.6	1.562	2.438	15.0	21.0
6 10	19 11.00	−18 36.9	1.472	2.417	11.3	20.8
6 20	19 2.95	−18 49.3	1.403	2.395	6.9	20.4
6 30	18 52.92	−19 7.3	1.359	2.372	2.4	20.1
7 10	18 42.09	−19 28.6	1.340	2.350	3.8	20.1
7 20	18 31.77	−19 51.3	1.347	2.327	8.7	20.4
7 30	18 23.29	−20 14.0	1.377	2.303	13.4	20.6
8 9	18 17.63	−20 35.8	1.428	2.280	17.5	20.8

166474 2002 PD_{119} 7 3.1 304°.12 0°.9/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.06	−25 35.9	1.714	2.595	13.7	19.9
6 10	19 9.87	−25 29.8	1.622	2.571	10.2	19.7
6 20	19 2.17	−25 22.3	1.552	2.546	6.1	19.4
6 30	18 52.71	−25 11.3	1.507	2.522	1.7	19.0
7 10	18 42.61	−24 55.2	1.488	2.498	3.4	19.1
7 20	18 33.09	−24 34.0	1.495	2.475	8.1	19.3
7 30	18 25.35	−24 9.0	1.526	2.451	12.4	19.5
8 9	18 20.26	−23 42.2	1.578	2.428	16.2	19.7

425577 2010 TL_{59} 7 3.1 270°.59 1°.7/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 18.90	−26 40.8	1.563	2.443	14.8	22.1
6 10	19 12.94	−26 47.1	1.476	2.423	11.1	21.9
6 20	19 4.10	−26 52.0	1.410	2.404	6.7	21.6
6 30	18 53.21	−26 51.7	1.369	2.384	2.2	21.2
7 10	18 41.56	−26 43.9	1.354	2.363	4.0	21.3
7 20	18 30.62	−26 27.7	1.365	2.342	8.9	21.5
7 30	18 21.76	−26 5.0	1.399	2.322	13.5	21.7
8 9	18 15.94	−25 38.5	1.453	2.300	17.5	21.9

425592 2010 TS_{170} 7 3.1 317°.99 1°.6/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 12.54	−20 32.1	1.130	2.032	17.6	21.1
6 10	19 8.99	−20 16.7	1.046	2.005	13.3	20.8
6 20	19 2.14	−20 6.0	0.981	1.978	8.1	20.4
6 30	18 52.79	−19 59.0	0.937	1.952	2.6	20.0
7 10	18 42.38	−19 54.6	0.915	1.927	4.5	20.0
7 20	18 32.64	−19 52.0	0.915	1.902	10.6	20.3
7 30	18 25.26	−19 51.1	0.936	1.879	16.3	20.5
8 9	18 21.47	−19 52.0	0.973	1.857	21.3	20.7

397788 2008 JP_{21} 7 3.1 296°.25 0°.4/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 12.24	−21 37.0	2.167	3.038	11.6	20.6
6 10	19 7.33	−22 16.4	2.078	3.022	8.5	20.4
6 20	19 0.48	−23 0.6	2.013	3.006	5.0	20.1
6 30	18 52.29	−23 46.8	1.975	2.991	1.2	19.8
7 10	18 43.59	−24 31.9	1.965	2.975	2.8	19.9
7 20	18 35.29	−25 13.3	1.982	2.959	6.6	20.1
7 30	18 28.29	−25 49.6	2.025	2.944	10.2	20.3
8 9	18 23.31	−26 20.2	2.091	2.929	13.2	20.5

390739 2003 SX_{50} 7 3.1 295°.72 8°.4/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 11.65	− 2 26.6	1.772	2.604	15.5	21.0
6 10	19 7.08	− 1 46.8	1.686	2.585	12.9	20.8
6 20	19 0.42	− 1 24.0	1.620	2.567	10.4	20.6
6 30	18 52.29	− 1 21.6	1.577	2.548	8.6	20.4
7 10	18 43.60	− 1 40.8	1.559	2.529	8.7	20.4
7 20	18 35.36	− 2 20.7	1.564	2.511	10.7	20.4
7 30	18 28.56	− 3 18.0	1.592	2.492	13.5	20.6
8 9	18 23.96	− 4 27.5	1.641	2.474	16.5	20.7

44581 1999 GB_{40} 7 3.1 52°.38 0°.1/ 3.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 17.26	−21 58.6	1.164	2.059	17.7	19.1
6 10	19 11.79	−22 19.6	1.118	2.074	13.0	18.9
6 20	19 3.30	−22 45.3	1.092	2.089	7.6	18.6
6 30	18 52.96	−23 11.8	1.089	2.105	1.8	18.3
7 10	18 42.36	−23 35.4	1.109	2.121	3.9	18.5
7 20	18 33.06	−23 53.8	1.153	2.137	9.3	18.9
7 30	18 26.36	−24 6.9	1.219	2.154	14.1	19.2
8 9	18 22.96	−24 15.5	1.304	2.171	18.0	19.5

281415 2008 RA_{111} 7 3.2 75°.12 2°.2/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.09	−26 47.6	1.729	2.608	13.7	20.5
6 10	19 10.40	−27 21.7	1.665	2.612	10.1	20.2
6 20	19 2.34	−27 55.5	1.623	2.616	6.1	20.0
6 30	18 52.74	−28 24.9	1.607	2.620	2.5	19.8
7 10	18 42.75	−28 46.6	1.617	2.624	3.9	19.9
7 20	18 33.59	−28 59.1	1.653	2.628	7.9	20.1
7 30	18 26.31	−29 2.9	1.714	2.632	11.7	20.4
8 9	18 21.64	−28 59.8	1.796	2.636	15.0	20.6

199728 2006 HF_{95} 7 3.2 152°.07 3°.6/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 14.14	−12 5.1	2.218	3.067	12.2	21.0
6 10	19 8.35	−11 54.4	2.149	3.074	9.4	20.8
6 20	19 0.88	−11 52.2	2.103	3.080	6.3	20.6
6 30	18 52.36	−11 58.6	2.084	3.086	3.9	20.5
7 10	18 43.61	−12 12.9	2.093	3.092	4.2	20.5
7 20	18 35.43	−12 33.7	2.129	3.097	6.9	20.7
7 30	18 28.57	−12 59.5	2.191	3.102	9.8	20.9
8 9	18 23.59	−13 28.6	2.276	3.106	12.5	21.1

441924 2010 JB_2 7 3.2 14°.42 1°.4/ 3.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 12.63	−19 43.3	1.571	2.455	14.5	20.9
6 10	19 7.87	−19 33.9	1.509	2.458	10.7	20.7
6 20	19 0.84	−19 29.3	1.468	2.461	6.5	20.5
6 30	18 52.38	−19 28.3	1.452	2.466	2.2	20.2
7 10	18 43.61	−19 29.9	1.461	2.471	3.5	20.3
7 20	18 35.66	−19 33.1	1.495	2.477	7.8	20.6
7 30	18 29.56	−19 37.4	1.553	2.483	11.9	20.9
8 9	18 25.98	−19 42.6	1.631	2.490	15.4	21.1

60181 1999 VV_9 7 3.2 287°.38 8°.1/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 10.22	+ 1 24.0	2.315	3.115	13.3	18.8
6 10	19 5.62	+ 1 55.8	2.223	3.095	11.4	18.6
6 20	18 59.39	+ 2 11.7	2.152	3.074	9.5	18.4
6 30	18 52.04	+ 2 8.8	2.105	3.053	8.3	18.3
7 10	18 44.27	+ 1 46.2	2.082	3.032	8.3	18.3
7 20	18 36.82	+ 1 5.0	2.085	3.012	9.6	18.3
7 30	18 30.46	+ 0 7.7	2.112	2.991	11.6	18.4
8 9	18 25.79	− 1 1.6	2.161	2.970	13.9	18.5

443004 2013 CU_{194} 7 3.2 272°.06 4°.0/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.20	−34 5.0	2.171	3.036	11.8	21.1
6 10	19 10.29	−34 30.2	2.092	3.027	9.0	20.9
6 20	19 2.22	−34 49.5	2.036	3.017	6.1	20.7
6 30	18 52.73	−34 58.8	2.007	3.008	4.1	20.6
7 10	18 42.85	−34 55.9	2.004	2.998	5.0	20.6
7 20	18 33.62	−34 40.2	2.028	2.989	7.7	20.8
7 30	18 26.04	−34 13.5	2.077	2.979	10.8	20.9
8 9	18 20.79	−33 39.0	2.148	2.969	13.5	21.1

11547 Griesser 7 3.2 249°.73 0°.4/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 18.47	−23 25.9	1.794	2.665	13.6	19.3
6 10	19 12.27	−23 33.9	1.704	2.648	10.1	19.0
6 20	19 3.57	−23 43.4	1.637	2.630	6.0	18.7
6 30	18 53.11	−23 52.0	1.596	2.611	1.5	18.4
7 10	18 41.99	−23 57.3	1.582	2.592	3.3	18.5
7 20	18 31.45	−23 58.3	1.594	2.572	7.9	18.7
7 30	18 22.66	−23 55.3	1.632	2.551	12.1	18.9
8 9	18 16.50	−23 49.5	1.691	2.530	15.8	19.1

404745 2014 JF_{31} 7 3.2 272°.73 0°.7/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 12.16	−18 52.9	2.282	3.147	11.3	20.6
6 10	19 7.11	−19 22.4	2.197	3.137	8.4	20.4
6 20	19 0.29	−19 57.6	2.136	3.127	5.0	20.1
6 30	18 52.27	−20 36.5	2.103	3.117	1.5	19.9
7 10	18 43.84	−21 16.7	2.097	3.107	2.6	19.9
7 20	18 35.82	−21 56.0	2.119	3.097	6.2	20.2
7 30	18 29.04	−22 32.8	2.167	3.087	9.6	20.4
8 9	18 24.13	−23 6.3	2.239	3.076	12.5	20.5

311439 2005 UA_{229} 7 3.2 167°.88 3°.1/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 14.37	−30 52.7	2.453	3.318	10.6	21.3
6 10	19 8.68	−31 38.2	2.382	3.319	8.0	21.2
6 20	19 1.17	−32 21.0	2.336	3.320	5.2	21.0
6 30	18 52.47	−32 57.5	2.316	3.322	3.2	20.8
7 10	18 43.43	−33 24.9	2.325	3.322	4.1	20.9
7 20	18 34.93	−33 41.8	2.362	3.323	6.7	21.1
7 30	18 27.79	−33 48.7	2.424	3.324	9.5	21.3
8 9	18 22.62	−33 47.1	2.509	3.324	12.0	21.4

232819 2004 RF_{326} 7 3.2 268°.05 0°.8/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 17.07	−25 38.8	1.858	2.732	13.1	20.2
6 10	19 11.11	−25 32.5	1.771	2.716	9.7	19.9
6 20	19 2.80	−25 24.7	1.707	2.700	5.8	19.7
6 30	18 52.91	−25 13.2	1.669	2.684	1.6	19.4
7 10	18 42.50	−24 56.8	1.658	2.668	3.2	19.4
7 20	18 32.73	−24 35.6	1.674	2.651	7.6	19.7
7 30	18 24.70	−24 10.8	1.714	2.634	11.6	19.9
8 9	18 19.17	−23 44.5	1.776	2.617	15.1	20.1

443420 2014 HC_{78} 7 3.2 334°.49 5°.8/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 10.69	− 7 45.2	1.942	2.790	13.7	21.3
6 10	19 6.11	− 7 14.1	1.867	2.785	10.9	21.1
6 20	18 59.72	− 6 55.2	1.814	2.780	8.1	20.9
6 30	18 52.13	− 6 50.2	1.786	2.775	6.1	20.7
7 10	18 44.20	− 6 59.3	1.783	2.770	6.2	20.8
7 20	18 36.80	− 7 21.6	1.805	2.766	8.5	20.9
7 30	18 30.77	− 7 54.7	1.852	2.762	11.4	21.0
8 9	18 26.74	− 8 35.4	1.920	2.758	14.2	21.2

287299 2002 TZ_{205} 7 3.2 253°.00 4°.9/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.01	−11 7.1	1.880	2.731	14.0	21.2
6 10	19 10.23	−10 33.7	1.788	2.713	11.0	21.0
6 20	19 2.27	−10 9.3	1.719	2.693	7.7	20.8
6 30	18 52.79	− 9 55.5	1.675	2.673	5.2	20.6
7 10	18 42.73	− 9 53.0	1.658	2.653	5.7	20.6
7 20	18 33.13	−10 1.4	1.667	2.632	8.7	20.7
7 30	18 25.02	−10 19.4	1.700	2.610	12.3	20.9
8 9	18 19.17	−10 44.9	1.755	2.588	15.6	21.0

470660 2008 SR_{167} 7 3.2 265°.06 4°.2/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 17.60	−31 58.8	1.932	2.802	12.9	21.3
6 10	19 11.70	−32 48.9	1.847	2.786	9.8	21.1
6 20	19 3.27	−33 36.1	1.785	2.769	6.5	20.9
6 30	18 53.05	−34 14.9	1.748	2.751	4.3	20.7
7 10	18 42.15	−34 41.2	1.738	2.734	5.4	20.7
7 20	18 31.81	−34 52.7	1.755	2.716	8.7	20.9
7 30	18 23.23	−34 50.4	1.795	2.698	12.1	21.1
8 9	18 17.30	−34 37.1	1.857	2.680	15.3	21.2

433227 2012 UU_{159} 7 3.2 311°.89 7°.2/ 4.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 11.14	− 6 30.1	1.570	2.426	16.0	20.6
6 10	19 7.00	− 6 2.7	1.484	2.405	13.0	20.3
6 20	19 0.53	− 5 51.5	1.417	2.384	9.8	20.1
6 30	18 52.39	− 5 59.2	1.374	2.363	7.5	19.9
7 10	18 43.58	− 6 26.6	1.354	2.342	7.6	19.9
7 20	18 35.25	− 7 11.9	1.358	2.322	10.3	20.0
7 30	18 28.52	− 8 11.4	1.384	2.303	13.9	20.1
8 9	18 24.27	− 9 20.1	1.431	2.284	17.4	20.3

510635 2012 TT_{206} 7 3.2 241°.07 2°.2/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 14.81	−17 7.7	2.224	3.083	11.8	22.8
6 10	19 9.02	−16 48.5	2.135	3.070	8.9	22.6
6 20	19 1.40	−16 33.5	2.070	3.056	5.6	22.4
6 30	18 52.55	−16 22.6	2.032	3.043	2.6	22.1
7 10	18 43.31	−16 15.4	2.022	3.028	3.4	22.2
7 20	18 34.55	−16 11.9	2.040	3.013	6.7	22.3
7 30	18 27.10	−16 11.6	2.083	2.998	10.1	22.5
8 9	18 21.60	−16 14.3	2.150	2.982	13.1	22.7

479929 2014 HR_{126} 7 3.2 196°.21 0°.6/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 13.58	−23 46.4	2.169	3.040	11.6	21.8
6 10	19 8.16	−24 4.6	2.096	3.040	8.5	21.6
6 20	19 0.89	−24 24.2	2.047	3.040	5.0	21.4
6 30	18 52.42	−24 42.9	2.024	3.039	1.3	21.1
7 10	18 43.63	−24 58.6	2.029	3.039	2.8	21.2
7 20	18 35.43	−25 10.3	2.062	3.038	6.4	21.5
7 30	18 28.64	−25 17.7	2.120	3.038	9.8	21.7
8 9	18 23.89	−25 21.5	2.200	3.037	12.7	21.9

403199 2008 RC_{56} 7 3.2 356°.94 5°.7/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.62	−39 55.6	2.168	3.023	12.2	20.0
6 10	19 10.58	−40 11.8	2.099	3.021	9.7	19.8
6 20	19 2.35	−40 17.0	2.054	3.020	7.2	19.7
6 30	18 52.76	−40 7.5	2.033	3.019	5.7	19.6
7 10	18 42.95	−39 41.4	2.039	3.018	6.3	19.6
7 20	18 34.00	−38 59.6	2.070	3.018	8.4	19.8
7 30	18 26.89	−38 5.3	2.126	3.018	11.0	19.9
8 9	18 22.23	−37 2.7	2.205	3.019	13.4	20.1

215794 2004 NV_{12} 7 3.2 32°.34 1°.6/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 12.18	−17 0.6	1.518	2.400	15.0	19.4
6 10	19 7.47	−17 28.0	1.472	2.420	11.1	19.2
6 20	19 0.56	−18 4.2	1.448	2.441	6.7	19.0
6 30	18 52.33	−18 46.5	1.448	2.462	2.4	18.8
7 10	18 43.91	−19 31.6	1.474	2.484	3.4	18.9
7 20	18 36.40	−20 16.1	1.525	2.507	7.6	19.3
7 30	18 30.76	−20 57.8	1.599	2.530	11.5	19.5
8 9	18 27.60	−21 35.3	1.695	2.554	14.8	19.8

257046 2008 FT_{74} 7 3.2 141°.92 4°.1/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 11.87	− 9 7.0	2.793	3.625	10.4	20.9
6 10	19 6.38	− 8 39.1	2.724	3.635	8.2	20.7
6 20	18 59.62	− 8 19.2	2.680	3.644	5.9	20.6
6 30	18 52.09	− 8 7.9	2.663	3.653	4.3	20.5
7 10	18 44.40	− 8 5.4	2.675	3.662	4.5	20.5
7 20	18 37.17	− 8 11.1	2.714	3.670	6.3	20.7
7 30	18 30.97	− 8 24.1	2.780	3.678	8.5	20.8
8 9	18 26.23	− 8 42.6	2.869	3.685	10.6	21.0

211100 2002 EX_{111} 7 3.2 164°.34 0°.8/ 3.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 19.30	−23 47.4	1.616	2.492	14.6	21.8
6 10	19 12.85	−24 6.0	1.550	2.496	10.8	21.6
6 20	19 3.84	−24 26.4	1.506	2.499	6.3	21.4
6 30	18 53.17	−24 45.2	1.487	2.502	1.7	21.1
7 10	18 42.08	−24 59.6	1.494	2.504	3.5	21.2
7 20	18 31.88	−25 8.1	1.528	2.506	8.1	21.5
7 30	18 23.73	−25 11.2	1.586	2.508	12.3	21.7
8 9	18 18.38	−25 10.2	1.665	2.509	15.8	22.0

51552 2001 FP_{164} 7 3.2 336°.50 6°.4/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 18.75	−34 52.8	1.406	2.288	16.0	18.7
6 10	19 13.18	−35 52.1	1.343	2.285	12.4	18.5
6 20	19 4.37	−36 44.1	1.301	2.282	8.8	18.3
6 30	18 53.34	−37 21.1	1.281	2.280	6.5	18.1
7 10	18 41.68	−37 37.4	1.286	2.277	7.6	18.2
7 20	18 31.10	−37 31.9	1.314	2.275	11.0	18.4
7 30	18 23.10	−37 7.6	1.365	2.273	14.8	18.6
8 9	18 18.61	−36 30.2	1.433	2.272	18.2	18.8

388943 2008 ST_{282} 7 3.2 230°.79 2°.0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 18.67	−29 30.8	2.196	3.059	11.8	21.5
6 10	19 11.96	−29 28.4	2.110	3.048	8.8	21.2
6 20	19 3.16	−29 21.7	2.049	3.037	5.4	21.0
6 30	18 52.99	−29 8.1	2.014	3.026	2.4	20.8
7 10	18 42.46	−28 46.4	2.008	3.013	3.5	20.8
7 20	18 32.58	−28 16.9	2.029	3.001	6.9	21.0
7 30	18 24.30	−27 41.5	2.077	2.988	10.3	21.2
8 9	18 18.29	−27 3.0	2.148	2.974	13.3	21.4

91153 1998 QP_{44} 7 3.2 332°.54 0°.6/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 11.55	−23 52.7	1.844	2.725	12.8	19.2
6 10	19 7.05	−24 5.1	1.764	2.713	9.4	18.9
6 20	19 0.42	−24 19.1	1.706	2.701	5.6	18.7
6 30	18 52.35	−24 32.5	1.674	2.689	1.5	18.4
7 10	18 43.82	−24 43.2	1.668	2.678	3.1	18.5
7 20	18 35.88	−24 50.0	1.688	2.668	7.3	18.7
7 30	18 29.53	−24 52.7	1.732	2.658	11.1	18.9
8 9	18 25.48	−24 51.9	1.798	2.649	14.5	19.1

404674 2014 HK_{161} 7 3.2 293°.05 1°.2/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 13.20	−24 6.6	2.098	2.972	11.8	20.2
6 10	19 8.09	−24 49.6	2.018	2.963	8.7	20.0
6 20	19 0.97	−25 35.4	1.961	2.954	5.2	19.7
6 30	18 52.48	−26 20.6	1.931	2.946	1.7	19.5
7 10	18 43.52	−27 1.9	1.929	2.937	3.1	19.6
7 20	18 35.06	−27 36.9	1.954	2.929	6.9	19.8
7 30	18 28.01	−28 4.6	2.004	2.920	10.4	20.0
8 9	18 23.09	−28 25.4	2.076	2.912	13.4	20.2

107276 2001 BM_{72} 7 3.2 120°.45 1°.0/ 3.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 19.84	−24 45.0	1.672	2.546	14.3	20.9
6 10	19 13.04	−25 0.1	1.615	2.560	10.5	20.6
6 20	19 3.83	−25 15.4	1.580	2.573	6.2	20.4
6 30	18 53.15	−25 27.8	1.572	2.586	1.7	20.2
7 10	18 42.23	−25 34.8	1.590	2.599	3.4	20.3
7 20	18 32.30	−25 35.8	1.634	2.611	7.8	20.6
7 30	18 24.41	−25 31.7	1.703	2.623	11.7	20.9
8 9	18 19.24	−25 24.0	1.794	2.634	15.0	21.1

423503 2005 TE_{166} 7 3.2 342°.76 3°.9/ 2.6 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 11.81	−29 11.6	1.131	2.037	17.2	20.6
6 10	19 8.46	−29 44.9	1.064	2.024	13.0	20.3
6 20	19 1.78	−30 16.1	1.016	2.012	8.2	20.0
6 30	18 52.75	−30 39.1	0.989	2.001	4.2	19.8
7 10	18 42.96	−30 49.1	0.985	1.991	5.9	19.8
7 20	18 34.19	−30 44.2	1.002	1.983	10.8	20.1
7 30	18 28.04	−30 26.3	1.039	1.976	15.6	20.3
8 9	18 25.51	−29 59.1	1.094	1.971	19.9	20.6

165236 2000 SQ_{113} 7 3.2 282°.59 5°.5/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 19.18	−32 37.4	1.401	2.285	16.0	19.6
6 10	19 13.65	−33 34.1	1.326	2.271	12.3	19.3
6 20	19 4.78	−34 26.9	1.271	2.257	8.3	19.1
6 30	18 53.49	−35 8.0	1.240	2.243	5.6	18.9
7 10	18 41.32	−35 31.2	1.233	2.229	7.0	18.9
7 20	18 30.02	−35 34.1	1.250	2.215	10.9	19.1
7 30	18 21.21	−35 18.8	1.289	2.202	15.1	19.3
8 9	18 15.97	−34 50.2	1.346	2.188	18.9	19.5

360188 2013 CZ_{181} 7 3.2 196°.08 5°.0/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 11.23	− 7 27.0	2.356	3.192	12.0	21.3
6 10	19 6.22	− 7 5.9	2.281	3.191	9.5	21.1
6 20	18 59.67	− 6 55.6	2.228	3.190	7.0	21.0
6 30	18 52.14	− 6 57.1	2.202	3.189	5.2	20.9
7 10	18 44.35	− 7 10.1	2.202	3.188	5.4	20.9
7 20	18 37.02	− 7 33.6	2.229	3.187	7.3	21.0
7 30	18 30.84	− 8 5.8	2.282	3.185	9.9	21.1
8 9	18 26.35	− 8 44.0	2.357	3.184	12.3	21.3

95315 2002 CT_{104} 7 3.2 122°.03 1°.0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 13.64	−25 25.0	2.483	3.349	10.5	19.9
6 10	19 7.96	−25 44.5	2.417	3.358	7.7	19.7
6 20	19 0.67	−26 3.8	2.375	3.367	4.5	19.5
6 30	18 52.38	−26 20.8	2.361	3.376	1.4	19.3
7 10	18 43.88	−26 33.8	2.376	3.384	2.6	19.4
7 20	18 35.95	−26 41.9	2.419	3.392	5.8	19.6
7 30	18 29.30	−26 45.2	2.488	3.401	8.8	19.8
8 9	18 24.48	−26 44.6	2.580	3.408	11.3	20.0

322002 2010 UK_{81} 7 3.2 207°.15 7°.8/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 20.50	−48 31.7	2.765	3.578	11.1	20.8
6 10	19 13.59	−49 46.2	2.700	3.575	9.5	20.7
6 20	19 4.28	−50 48.8	2.658	3.571	8.3	20.6
6 30	18 53.32	−51 33.7	2.641	3.567	7.8	20.5
7 10	18 41.81	−51 57.6	2.650	3.563	8.3	20.6
7 20	18 30.90	−51 59.8	2.683	3.559	9.6	20.6
7 30	18 21.74	−51 42.3	2.740	3.555	11.1	20.7
8 9	18 15.10	−51 9.4	2.817	3.550	12.7	20.9

259500 2003 SS_{262} 7 3.2 131°.29 4°.9/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 20.29	−32 13.0	1.499	2.377	15.4	20.3
6 10	19 14.00	−33 5.3	1.438	2.381	11.7	20.1
6 20	19 4.71	−33 52.5	1.399	2.385	7.8	19.9
6 30	18 53.43	−34 27.9	1.384	2.388	5.0	19.7
7 10	18 41.66	−34 46.7	1.395	2.392	6.2	19.8
7 20	18 30.95	−34 47.8	1.430	2.395	9.9	20.0
7 30	18 22.66	−34 33.5	1.488	2.398	13.7	20.2
8 9	18 17.62	−34 8.3	1.565	2.400	17.0	20.5

149099 2002 CA_{173} 7 3.2 154°.78 4°.6/ 2.1 18

5 31	19 16.89	−37 25.4	2.566	3.418	10.7	20.8
6 10	19 10.50	−37 59.7	2.499	3.422	8.3	20.6
6 20	19 2.23	−38 26.5	2.457	3.426	6.0	20.5
6 30	18 52.78	−38 42.1	2.441	3.430	4.7	20.4
7 10	18 43.08	−38 44.5	2.453	3.434	5.3	20.5
7 20	18 34.03	−38 33.4	2.492	3.437	7.3	20.6
7 30	18 26.49	−38 10.5	2.556	3.440	9.7	20.8
8 9	18 21.05	−37 38.8	2.643	3.443	11.8	20.9

273880 2007 HD_{11} 7 3.2 44°.69 1°.6/ 2.8 17

5 31	19 15.78	−24 36.1	1.393	2.282	15.7	20.0
6 10	19 10.44	−25 14.5	1.346	2.298	11.5	19.8
6 20	19 2.46	−25 54.6	1.319	2.315	6.7	19.5
6 30	18 52.85	−26 31.8	1.317	2.332	2.2	19.3
7 10	18 42.99	−27 2.1	1.340	2.349	4.0	19.5
7 20	18 34.22	−27 23.5	1.387	2.367	8.6	19.8
7 30	18 27.68	−27 36.1	1.458	2.385	12.7	20.1
8 9	18 24.08	−27 41.5	1.548	2.403	16.2	20.3

321762 2010 NO_{109} 7 3.2 217°.81 5°.7/ 4.9 18

5 31	19 10.16	− 1 54.5	2.933	3.737	10.7	21.8
6 10	19 5.21	− 1 32.1	2.848	3.729	8.9	21.6
6 20	18 59.01	− 1 21.3	2.787	3.721	7.1	21.5
6 30	18 52.00	− 1 23.3	2.751	3.713	5.9	21.4
7 10	18 44.73	− 1 38.2	2.743	3.704	5.9	21.4
7 20	18 37.79	− 2 5.2	2.761	3.695	7.2	21.5
7 30	18 31.74	− 2 42.5	2.805	3.686	9.0	21.6
8 9	18 27.03	− 3 27.7	2.873	3.676	10.9	21.7

126553 2002 CF_{99} 7 3.2 33°.46 2°.9/ 3.9 18

5 31	19 13.03	−14 48.4	1.428	2.308	15.9	19.4
6 10	19 8.31	−15 2.6	1.373	2.318	12.0	19.1
6 20	19 1.19	−15 28.5	1.339	2.328	7.5	18.9
6 30	18 52.55	−16 4.3	1.328	2.339	3.5	18.7
7 10	18 43.60	−16 46.9	1.342	2.351	4.2	18.8
7 20	18 35.54	−17 33.1	1.381	2.363	8.4	19.0
7 30	18 29.43	−18 19.6	1.443	2.375	12.5	19.3
8 9	18 25.98	−19 4.2	1.526	2.389	16.0	19.6

262028 2006 QG_{120} 7 3.2 271°.47 0°.4/ 3.1 18

5 31	19 18.30	−24 13.4	1.587	2.465	14.7	20.8
6 10	19 12.45	−24 8.9	1.499	2.446	11.0	20.5
6 20	19 3.84	−24 4.5	1.433	2.426	6.5	20.2
6 30	18 53.27	−23 57.7	1.391	2.406	1.7	19.8
7 10	18 41.98	−23 46.8	1.376	2.386	3.6	19.9
7 20	18 31.36	−23 31.6	1.386	2.366	8.6	20.2
7 30	18 22.72	−23 13.1	1.420	2.345	13.2	20.4
8 9	18 16.99	−22 53.3	1.475	2.324	17.2	20.6

120434 3202 T_{-3} 7 3.2 46°.38 11°.8/29.9 18

5 31	19 25.51	−54 38.2	2.035	2.835	14.9	18.9
6 10	19 18.26	−56 12.7	1.995	2.846	13.3	18.8
6 20	19 7.41	−57 26.8	1.976	2.858	12.2	18.8
6 30	18 54.13	−58 12.4	1.978	2.869	11.8	18.8
7 10	18 40.27	−58 25.1	2.002	2.881	12.2	18.8
7 20	18 27.77	−58 5.9	2.047	2.893	13.3	18.9
7 30	18 18.26	−57 19.7	2.113	2.906	14.7	19.1
8 9	18 12.64	−56 14.2	2.195	2.918	16.1	19.2

397699 2008 CH_{154} 7 3.2 75°.21 2°.5/ 4.0 15

5 31	19 12.02	−14 1.5	2.153	3.012	12.1	21.6
6 10	19 6.93	−14 14.6	2.086	3.019	9.1	21.4
6 20	19 0.15	−14 36.0	2.043	3.027	5.9	21.2
6 30	18 52.30	−15 4.9	2.026	3.034	3.0	21.0
7 10	18 44.19	−15 39.4	2.036	3.042	3.4	21.1
7 20	18 36.64	−16 17.4	2.074	3.049	6.5	21.3
7 30	18 30.41	−16 56.9	2.137	3.057	9.6	21.5
8 9	18 26.06	−17 36.2	2.223	3.064	12.5	21.7

198599 2005 AE_{7} 7 3.2 172°.65 2°.2/ 2.7 18

5 31	19 16.85	−28 25.2	2.262	3.127	11.4	21.0
6 10	19 10.55	−28 51.3	2.190	3.129	8.4	20.8
6 20	19 2.32	−29 15.4	2.143	3.132	5.2	20.6
6 30	18 52.85	−29 34.3	2.122	3.133	2.4	20.4
7 10	18 43.06	−29 45.9	2.130	3.135	3.5	20.5
7 20	18 33.91	−29 49.1	2.166	3.136	6.7	20.7
7 30	18 26.26	−29 44.8	2.228	3.136	9.8	20.9
8 9	18 20.75	−29 34.7	2.312	3.136	12.6	21.0

427572 2003 EW_{62} 7 3.2 69°.07 9°.6/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 12.95	+ 0 41.1	1.701	2.521	16.6	21.3
6 10	19 7.95	+ 1 25.5	1.637	2.522	14.0	21.2
6 20	19 0.90	+ 1 49.2	1.592	2.524	11.6	21.0
6 30	18 52.52	+ 1 48.8	1.569	2.526	9.9	20.9
7 10	18 43.78	+ 1 23.5	1.570	2.528	9.8	20.9
7 20	18 35.70	+ 0 35.5	1.594	2.530	11.3	21.0
7 30	18 29.21	− 0 30.8	1.641	2.531	13.7	21.2
8 9	18 24.97	− 1 49.3	1.708	2.533	16.3	21.4

271726 2004 RD_{241} 7 3.2 108°.13 7°.8/ 5.4 17

5 31	19 13.68	− 1 56.7	1.849	2.673	15.3	20.5
6 10	19 8.28	− 1 30.6	1.788	2.683	12.6	20.4
6 20	19 0.99	− 1 22.6	1.748	2.692	10.0	20.2
6 30	18 52.52	− 1 34.6	1.731	2.701	8.1	20.1
7 10	18 43.80	− 2 6.1	1.740	2.710	8.0	20.1
7 20	18 35.74	− 2 54.7	1.773	2.719	9.7	20.3
7 30	18 29.19	− 3 56.5	1.830	2.728	12.2	20.4
8 9	18 24.75	− 5 6.5	1.909	2.736	14.7	20.6

59820 1999 RT_{23} 7 3.2 284°.75 1°.8/ 2.8 18

5 31	19 15.46	−26 7.3	1.766	2.645	13.4	19.3
6 10	19 10.11	−26 35.0	1.686	2.634	10.0	19.1
6 20	19 2.34	−27 3.2	1.629	2.622	6.0	18.8
6 30	18 52.91	−27 28.3	1.598	2.611	2.2	18.6
7 10	18 42.93	−27 47.2	1.592	2.600	3.7	18.6
7 20	18 33.58	−27 58.1	1.613	2.589	7.9	18.9
7 30	18 26.02	−28 1.2	1.658	2.578	11.9	19.1
8 9	18 21.03	−27 58.1	1.724	2.568	15.4	19.3

130169 2000 AG_{1} 7 3.2 303°.39 7°.0/ 3.9 18

5 31	19 28.86	−40 40.7	1.361	2.223	17.6	18.2
6 10	19 21.20	−40 17.7	1.265	2.193	14.2	17.9
6 20	19 9.42	−39 32.7	1.189	2.163	10.4	17.6
6 30	18 54.72	−38 17.4	1.136	2.132	7.4	17.4
7 10	18 39.13	−36 28.4	1.107	2.102	7.9	17.3
7 20	18 24.90	−34 10.6	1.104	2.072	11.8	17.4
7 30	18 13.92	−31 35.4	1.125	2.042	16.5	17.6
8 9	18 7.24	−28 56.4	1.166	2.013	21.0	17.8

509300 2006 VB_{119} 7 3.2 207°.85 4°.5/ 1.9 18

5 31	19 16.62	−35 27.5	2.378	3.237	11.2	22.2
6 10	19 10.52	−36 13.3	2.305	3.234	8.6	22.1
6 20	19 2.39	−36 53.3	2.256	3.231	6.1	21.9
6 30	18 52.90	−37 23.1	2.233	3.227	4.6	21.8
7 10	18 43.02	−37 39.8	2.238	3.224	5.3	21.8
7 20	18 33.74	−37 42.5	2.270	3.220	7.7	22.0
7 30	18 25.99	−37 32.3	2.327	3.216	10.3	22.1
8 9	18 20.44	−37 12.2	2.406	3.211	12.7	22.3

414395 2009 AW_{33} 7 3.2 49°.74 2°.8/ 2.8 17

5 31	19 19.08	−27 29.2	1.107	2.005	18.2	20.1
6 10	19 13.32	−27 56.8	1.067	2.023	13.4	19.8
6 20	19 4.31	−28 22.2	1.047	2.042	8.0	19.6
6 30	18 53.35	−28 39.8	1.049	2.062	3.3	19.4
7 10	18 42.24	−28 46.0	1.073	2.082	5.0	19.6
7 20	18 32.67	−28 40.6	1.121	2.102	10.0	19.9
7 30	18 25.97	−28 26.0	1.191	2.123	14.5	20.2
8 9	18 22.80	−28 5.7	1.278	2.144	18.4	20.5

159785 2003 ND_{6} 7 3.2 19°.59 10°.0/ 6.7 18

5 31	19 9.18	− 0 59.2	1.179	2.038	20.0	18.8
6 10	19 5.73	− 0 38.4	1.133	2.048	16.6	18.6
6 20	18 59.78	− 0 45.9	1.104	2.060	13.2	18.5
6 30	18 52.27	− 1 24.3	1.095	2.073	10.6	18.4
7 10	18 44.46	− 2 31.4	1.107	2.087	10.2	18.4
7 20	18 37.60	− 4 1.3	1.141	2.103	12.1	18.5
7 30	18 32.81	− 5 45.7	1.195	2.120	15.1	18.8
8 9	18 30.77	− 7 35.6	1.269	2.139	18.2	19.0

343961 2011 KL_{39} 7 3.2 334°.45 1°.2/ 3.0 18

5 31	19 15.29	−25 34.1	1.656	2.538	14.0	20.6
6 10	19 9.97	−25 44.4	1.586	2.535	10.3	20.4
6 20	19 2.22	−25 54.4	1.537	2.531	6.1	20.1
6 30	18 52.88	−26 1.4	1.513	2.528	1.9	19.8
7 10	18 43.12	−26 3.2	1.516	2.525	3.5	20.0
7 20	18 34.15	−25 59.0	1.543	2.522	7.9	20.2
7 30	18 27.08	−25 49.6	1.595	2.520	12.0	20.4
8 9	18 22.65	−25 36.7	1.668	2.518	15.5	20.7

28101 1998 RP_{71} 7 3.2 236°.32 3°.1/ 2.6 17

5 31	19 20.44	−28 23.8	1.480	2.360	15.5	19.1
6 10	19 14.25	−29 0.7	1.405	2.351	11.6	18.8
6 20	19 5.01	−29 36.4	1.351	2.342	7.2	18.5
6 30	18 53.62	−30 5.3	1.322	2.333	3.4	18.3
7 10	18 41.50	−30 22.8	1.318	2.323	5.0	18.4
7 20	18 30.25	−30 27.1	1.339	2.313	9.5	18.6
7 30	18 21.30	−30 19.4	1.384	2.302	13.9	18.8
8 9	18 15.61	−30 3.3	1.448	2.291	17.8	19.0

506424 1999 XV_{141} 7 3.2 216°.81 0°.6/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 23.56	−27 3.5	2.044	2.902	12.7	21.4
6 10	19 15.58	−26 28.9	1.957	2.893	9.4	21.2
6 20	19 5.33	−25 49.2	1.894	2.884	5.6	20.9
6 30	18 53.63	−25 3.0	1.859	2.873	1.5	20.6
7 10	18 41.59	−24 10.5	1.853	2.862	3.0	20.7
7 20	18 30.34	−23 13.8	1.876	2.850	7.2	21.0
7 30	18 20.91	−22 15.9	1.926	2.837	11.0	21.2
8 9	18 13.99	−21 20.0	2.000	2.824	14.3	21.4

208548 2002 AW_{110} 7 3.2 182°.85 2°.9/ 2.9 17

5 31	19 21.29	−29 27.3	1.557	2.433	15.1	20.7
6 10	19 14.54	−29 41.0	1.490	2.434	11.2	20.5
6 20	19 4.97	−29 50.3	1.444	2.434	7.0	20.2
6 30	18 53.57	−29 51.1	1.423	2.434	3.2	20.0
7 10	18 41.74	−29 40.7	1.428	2.433	4.6	20.1
7 20	18 30.94	−29 19.3	1.458	2.432	8.8	20.3
7 30	18 22.43	−28 49.4	1.513	2.431	13.0	20.6
8 9	18 17.00	−28 14.8	1.588	2.429	16.6	20.8

386395 2008 UD_{165} 7 3.2 297°.11 0°.9/ 3.1 16

5 31	19 15.32	−24 40.9	1.694	2.574	13.8	21.6
6 10	19 10.02	−24 50.9	1.616	2.564	10.2	21.3
6 20	19 2.29	−25 1.6	1.561	2.555	6.1	21.1
6 30	18 52.92	−25 10.4	1.531	2.546	1.7	20.8
7 10	18 43.06	−25 14.9	1.526	2.536	3.4	20.9
7 20	18 33.89	−25 14.3	1.548	2.527	7.9	21.1
7 30	18 26.55	−25 9.0	1.594	2.518	12.0	21.3
8 9	18 21.82	−25 0.2	1.660	2.510	15.6	21.6

18131 2000 OM_5 7 3.2 173°.98 1°.8/ 3.5 18

5 31	19 13.42	−18 3.8	2.220	3.084	11.7	18.2
6 10	19 7.94	−17 46.9	2.147	3.084	8.7	18.0
6 20	19 0.76	−17 33.9	2.097	3.085	5.4	17.8
6 30	18 52.50	−17 24.5	2.073	3.085	2.3	17.6
7 10	18 43.99	−17 18.2	2.078	3.085	3.1	17.6
7 20	18 36.05	−17 14.8	2.110	3.085	6.4	17.9
7 30	18 29.45	−17 14.0	2.167	3.085	9.6	18.1
8 9	18 24.74	−17 15.4	2.248	3.085	12.5	18.2

450808 2007 UL_{39} 7 3.2 264°.74 18°.3/ 1.9 17

5 31	19 17.22	+ 7 30.9	1.187	1.996	22.9	21.4
6 10	19 12.01	+10 11.8	1.127	1.986	20.8	21.2
6 20	19 3.76	+12 26.4	1.083	1.975	19.2	21.0
6 30	18 53.34	+14 2.0	1.057	1.964	18.3	20.9
7 10	18 42.12	+14 50.2	1.050	1.953	18.7	20.9
7 20	18 31.65	+14 48.7	1.060	1.942	20.2	21.0
7 30	18 23.41	+14 2.0	1.085	1.931	22.4	21.1
8 9	18 18.40	+12 40.1	1.125	1.919	24.7	21.2

262056 2006 RK_{18} 7 3.2 329°.27 1°.3/ 2.9 18

5 31	19 11.10	−24 14.4	1.077	1.986	17.7	19.8
6 10	19 8.13	−24 34.6	1.001	1.964	13.2	19.4
6 20	19 1.78	−24 58.8	0.943	1.942	7.9	19.1
6 30	18 52.90	−25 23.0	0.906	1.921	2.3	18.7
7 10	18 43.01	−25 42.8	0.891	1.902	4.6	18.7
7 20	18 33.90	−25 55.3	0.897	1.884	10.6	19.0
7 30	18 27.34	−26 0.0	0.922	1.867	16.2	19.3
8 9	18 24.49	−25 58.2	0.965	1.853	21.1	19.5

235409 2003 XS_{22} 7 3.2 308°.61 6°.5/ 1.7 18

5 31	19 17.28	−36 45.0	1.669	2.542	14.4	19.8
6 10	19 11.94	−37 39.9	1.592	2.526	11.3	19.5
6 20	19 3.66	−38 27.4	1.535	2.511	8.3	19.3
6 30	18 53.31	−39 0.4	1.503	2.495	6.5	19.2
7 10	18 42.23	−39 13.9	1.496	2.480	7.5	19.2
7 20	18 31.92	−39 6.5	1.512	2.466	10.5	19.3
7 30	18 23.80	−38 40.4	1.552	2.451	13.9	19.5
8 9	18 18.82	−38 0.6	1.610	2.437	17.0	19.7

12394 1995 BQ 7 3.2 212°.29 0°.2/ 3.3 18

5 31	19 12.17	−21 34.2	3.001	3.859	9.1	20.0
6 10	19 6.75	−21 43.6	2.915	3.852	6.7	19.9
6 20	18 59.97	−21 54.8	2.854	3.845	3.9	19.7
6 30	18 52.32	−22 6.5	2.822	3.837	1.0	19.4
7 10	18 44.41	−22 17.7	2.819	3.829	2.0	19.5
7 20	18 36.85	−22 27.4	2.845	3.820	5.0	19.7
7 30	18 30.28	−22 35.5	2.898	3.811	7.7	19.9
8 9	18 25.16	−22 41.9	2.976	3.802	10.0	20.0

94345 2001 QB_{86} 7 3.2 41°.16 15°.1/ 1.9 18

5 31	19 19.53	− 2 14.4	1.008	1.868	22.6	18.5
6 10	19 13.70	+ 0 43.3	0.962	1.872	19.4	18.3
6 20	19 4.64	+ 3 19.8	0.934	1.876	16.5	18.1
6 30	18 53.53	+ 5 22.0	0.925	1.880	15.1	18.0
7 10	18 42.02	+ 6 40.9	0.936	1.885	15.7	18.1
7 20	18 31.76	+ 7 14.3	0.966	1.891	18.0	18.2
7 30	18 24.19	+ 7 6.7	1.014	1.896	20.9	18.4
8 9	18 20.12	+ 6 27.8	1.076	1.902	23.7	18.7

18385 1992 EG_{31} 7 3.2 306°.10 4°.9/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 10.96	− 8 40.0	2.062	2.910	13.0	18.5
6 10	19 6.34	− 8 30.0	1.981	2.901	10.3	18.3
6 20	18 59.94	− 8 32.0	1.922	2.892	7.4	18.1
6 30	18 52.36	− 8 46.7	1.889	2.883	5.2	17.9
7 10	18 44.39	− 9 13.6	1.881	2.875	5.3	17.9
7 20	18 36.89	− 9 50.9	1.900	2.866	7.7	18.0
7 30	18 30.66	−10 36.0	1.944	2.858	10.8	18.2
8 9	18 26.34	−11 26.0	2.010	2.850	13.6	18.4

368170 1999 VX_{175} 7 3.2 287°.77 4°.6/ 3.6 17

5 31	19 16.16	−13 41.7	1.544	2.412	15.6	21.7
6 10	19 10.99	−13 7.8	1.446	2.382	12.1	21.4
6 20	19 3.12	−12 42.0	1.368	2.351	8.3	21.1
6 30	18 53.23	−12 25.9	1.315	2.320	5.0	20.8
7 10	18 42.42	−12 20.4	1.287	2.289	5.7	20.8
7 20	18 32.01	−12 25.3	1.283	2.257	9.8	20.9
7 30	18 23.32	−12 39.7	1.303	2.225	14.3	21.1
8 9	18 17.39	−13 1.8	1.342	2.193	18.5	21.3

66673 1999 TC_{19} 7 3.2 321°.40 8°.9/ 3.8 17

5 31	19 11.10	− 5 25.6	1.488	2.344	16.7	19.0
6 10	19 7.08	− 4 17.1	1.407	2.324	13.8	18.8
6 20	19 0.67	− 3 23.3	1.346	2.305	11.0	18.5
6 30	18 52.59	− 2 48.9	1.307	2.286	9.1	18.4
7 10	18 43.88	− 2 37.0	1.291	2.269	9.4	18.4
7 20	18 35.73	− 2 47.8	1.298	2.251	11.8	18.4
7 30	18 29.26	− 3 19.2	1.325	2.235	15.1	18.6
8 9	18 25.34	− 4 6.3	1.372	2.219	18.4	18.8

263297 2008 CU_{11} 7 3.2 158°.61 0°.0/ 3.1 17

5 31	19 18.40	−21 27.3	1.844	2.712	13.4	21.5
6 10	19 11.95	−21 47.1	1.776	2.718	9.9	21.3
6 20	19 3.28	−22 10.3	1.732	2.724	5.8	21.0
6 30	18 53.18	−22 34.4	1.714	2.729	1.4	20.7
7 10	18 42.73	−22 56.8	1.723	2.733	3.0	20.9
7 20	18 33.03	−23 15.8	1.760	2.737	7.3	21.1
7 30	18 25.08	−23 30.9	1.822	2.741	11.1	21.4
8 9	18 19.57	−23 42.6	1.906	2.743	14.3	21.6

503479 2016 ET_{163} 7 3.2 44°.54 4°.3/ 3.6 17

5 31	19 16.68	−15 49.1	1.214	2.099	17.8	21.2
6 10	19 11.29	−15 4.8	1.160	2.107	13.5	20.9
6 20	19 3.09	−14 29.3	1.126	2.115	8.7	20.7
6 30	18 53.14	−14 4.1	1.115	2.124	4.7	20.5
7 10	18 42.90	−13 49.6	1.127	2.132	5.6	20.6
7 20	18 33.79	−13 45.5	1.163	2.142	9.9	20.8
7 30	18 27.05	−13 50.5	1.220	2.151	14.3	21.1
8 9	18 23.39	−14 2.6	1.296	2.161	18.2	21.4

64627 2001 XD_{43} 7 3.2 263°.64 6°.0/ 1.5 18 R

5 31	19 17.56	−38 48.0	2.188	3.044	12.1	19.6
6 10	19 11.53	−39 43.0	2.115	3.037	9.6	19.5
6 20	19 3.15	−40 29.8	2.066	3.031	7.3	19.3
6 30	18 53.19	−41 3.1	2.042	3.024	6.0	19.2
7 10	18 42.73	−41 19.3	2.044	3.018	6.8	19.3
7 20	18 32.95	−41 17.3	2.073	3.011	8.9	19.4
7 30	18 24.93	−40 59.1	2.125	3.005	11.5	19.5
8 9	18 19.43	−40 28.4	2.198	2.998	13.9	19.7

70471 1999 TA_{33} 7 3.2 253°.25 2°.7/ 3.7 18

5 31	19 14.26	−15 55.4	1.873	2.739	13.4	19.7
6 10	19 8.91	−15 42.2	1.797	2.734	10.1	19.5
6 20	19 1.52	−15 35.8	1.742	2.729	6.4	19.3
6 30	18 52.77	−15 35.9	1.714	2.723	3.2	19.1
7 10	18 43.63	−15 41.9	1.711	2.718	3.9	19.1
7 20	18 35.09	−15 52.7	1.736	2.712	7.5	19.3
7 30	18 28.10	−16 7.3	1.785	2.706	11.1	19.5
8 9	18 23.32	−16 24.5	1.856	2.701	14.4	19.7

238613 2005 BC_{10} 7 3.2 128°.90 1°.8/ 2.8 18

5 31	19 16.83	−27 4.1	2.110	2.978	12.0	21.3
6 10	19 10.60	−27 29.2	2.047	2.988	8.8	21.1
6 20	19 2.40	−27 53.0	2.007	2.998	5.3	20.9
6 30	18 52.97	−28 12.4	1.994	3.007	2.1	20.7
7 10	18 43.28	−28 25.3	2.010	3.016	3.3	20.8
7 20	18 34.30	−28 30.7	2.052	3.025	6.8	21.1
7 30	18 26.93	−28 29.2	2.121	3.033	10.1	21.3
8 9	18 21.77	−28 22.5	2.211	3.041	12.9	21.5

522878 2016 OK_7 7 3.2 193°.20 1°.6/ 2.9 18

5 31	19 14.55	−28 15.7	2.438	3.304	10.7	21.5
6 10	19 8.76	−28 20.1	2.363	3.303	7.9	21.3
6 20	19 1.26	−28 21.8	2.312	3.302	4.8	21.1
6 30	18 52.69	−28 19.0	2.289	3.301	1.9	20.9
7 10	18 43.87	−28 10.3	2.294	3.300	3.0	21.0
7 20	18 35.64	−27 55.9	2.327	3.299	6.1	21.2
7 30	18 28.76	−27 36.5	2.386	3.298	9.1	21.4
8 9	18 23.79	−27 13.7	2.468	3.297	11.7	21.6

476467 2008 EY_{156} 7 3.2 57.°41 9.°0/ 1.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 21.75	−47 40.1	2.068	2.898	13.7	20.8
6 10	19 14.80	−48 46.2	2.024	2.914	11.6	20.7
6 20	19 5.09	−49 36.3	2.002	2.929	9.9	20.6
6 30	18 53.65	−50 4.0	2.003	2.945	9.0	20.6
7 10	18 41.93	−50 6.1	2.029	2.961	9.5	20.6
7 20	18 31.38	−49 43.4	2.078	2.977	10.9	20.7
7 30	18 23.19	−49 0.1	2.150	2.993	12.8	20.9
8 9	18 18.06	−48 2.1	2.241	3.009	14.6	21.1

106521 2000 WC_{51} 7 3.2 231.°94 11.°9/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 17.56	+ 6 51.2	2.033	2.798	16.0	19.9
6 10	19 11.28	+ 8 27.9	1.950	2.783	14.3	19.8
6 20	19 2.94	+ 9 46.6	1.888	2.767	12.8	19.6
6 30	18 53.16	+10 41.2	1.848	2.750	12.0	19.6
7 10	18 42.82	+11 7.9	1.832	2.732	12.2	19.5
7 20	18 32.89	+11 5.8	1.839	2.713	13.3	19.6
7 30	18 24.32	+10 37.0	1.868	2.693	15.2	19.6
8 9	18 17.86	+ 9 46.4	1.916	2.673	17.2	19.8

330947 2009 SG_{279} 7 3.2 12.°92 4.°6/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 12.98	−12 29.4	1.338	2.217	16.9	20.3
6 10	19 8.51	−12 20.0	1.277	2.219	13.0	20.0
6 20	19 1.49	−12 24.5	1.236	2.221	8.7	19.8
6 30	18 52.80	−12 42.8	1.218	2.224	5.1	19.6
7 10	18 43.68	−13 13.5	1.223	2.228	5.5	19.6
7 20	18 35.42	−13 53.4	1.253	2.232	9.3	19.9
7 30	18 29.18	−14 39.2	1.304	2.236	13.5	20.1
8 9	18 25.73	−15 27.3	1.375	2.242	17.2	20.4

8687 Caussols 7 3.2 272.°81 1.°9/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.32	−18 27.0	1.468	2.347	15.6	18.7
6 10	19 10.99	−18 21.3	1.393	2.339	11.7	18.5
6 20	19 3.00	−18 22.1	1.340	2.331	7.2	18.2
6 30	18 53.19	−18 28.3	1.310	2.323	2.7	17.9
7 10	18 42.81	−18 38.4	1.306	2.315	3.9	18.0
7 20	18 33.18	−18 50.8	1.326	2.307	8.7	18.2
7 30	18 25.56	−19 4.7	1.370	2.299	13.2	18.5
8 9	18 20.79	−19 19.2	1.434	2.291	17.2	18.7

36949 2000 SG_{260} 7 3.2 325.°96 1.°5/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 14.83	−19 13.8	1.664	2.540	14.2	18.4
6 10	19 9.55	−19 9.3	1.593	2.538	10.6	18.2
6 20	19 1.99	−19 9.7	1.544	2.536	6.4	18.0
6 30	18 52.92	−19 14.0	1.520	2.534	2.2	17.7
7 10	18 43.44	−19 20.8	1.522	2.532	3.4	17.8
7 20	18 34.69	−19 28.9	1.550	2.530	7.7	18.0
7 30	18 27.73	−19 37.8	1.602	2.528	11.8	18.3
8 9	18 23.26	−19 47.0	1.674	2.527	15.3	18.5

382132 2011 KN_{6} 7 3.2 64.°21 1.°5/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.14	−25 7.0	1.662	2.542	14.1	21.2
6 10	19 10.52	−25 36.0	1.603	2.551	10.3	21.0
6 20	19 2.54	−26 5.9	1.565	2.559	6.1	20.8
6 30	18 53.05	−26 33.0	1.553	2.568	2.0	20.5
7 10	18 43.23	−26 54.2	1.568	2.576	3.6	20.7
7 20	18 34.27	−27 8.0	1.608	2.585	7.8	20.9
7 30	18 27.24	−27 14.6	1.672	2.594	11.7	21.2
8 9	18 22.83	−27 15.4	1.757	2.603	15.0	21.4

185803 1999 VX_{174} 7 3.2 86.°67 6.°7/ 1.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 18.65	−41 58.0	2.304	3.148	12.0	20.7
6 10	19 12.18	−42 58.2	2.249	3.159	9.7	20.6
6 20	19 3.45	−43 47.8	2.218	3.169	7.7	20.5
6 30	18 53.27	−44 21.3	2.212	3.180	6.7	20.4
7 10	18 42.77	−44 35.9	2.232	3.191	7.3	20.5
7 20	18 33.08	−44 31.2	2.278	3.201	9.0	20.6
7 30	18 25.21	−44 9.7	2.348	3.211	11.2	20.8
8 9	18 19.86	−43 35.4	2.438	3.222	13.2	20.9

334353 2001 YG_{59} 7 3.2 302.°69 0.°3/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.64	−23 54.9	1.524	2.409	14.9	19.7
6 10	19 10.57	−23 50.9	1.442	2.392	11.0	19.4
6 20	19 2.81	−23 47.5	1.381	2.376	6.6	19.1
6 30	18 53.17	−23 42.7	1.344	2.359	1.7	18.7
7 10	18 42.89	−23 34.7	1.333	2.343	3.5	18.8
7 20	18 33.31	−23 23.0	1.346	2.328	8.5	19.1
7 30	18 25.72	−23 8.6	1.383	2.312	13.1	19.3
8 9	18 20.99	−22 52.9	1.439	2.297	17.1	19.5

166001 2002 AV_{51} 7 3.2 177.°69 0.°2/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 18.82	−21 51.7	1.524	2.402	15.2	20.3
6 10	19 12.69	−21 58.0	1.457	2.403	11.3	20.0
6 20	19 3.92	−22 7.7	1.411	2.404	6.7	19.8
6 30	18 53.41	−22 18.1	1.389	2.405	1.7	19.4
7 10	18 42.46	−22 27.1	1.394	2.405	3.4	19.6
7 20	18 32.39	−22 33.3	1.424	2.404	8.3	19.8
7 30	18 24.41	−22 36.9	1.478	2.404	12.7	20.1
8 9	18 19.30	−22 38.4	1.553	2.403	16.4	20.3

25252 1998 UC_{26} 7 3.2 355.°13 4.°2/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 12.80	−11 53.1	1.833	2.693	13.9	19.0
6 10	19 7.83	−11 38.7	1.762	2.692	10.7	18.8
6 20	19 0.88	−11 34.7	1.713	2.692	7.3	18.6
6 30	18 52.65	−11 41.6	1.689	2.691	4.5	18.4
7 10	18 44.07	−11 58.6	1.691	2.691	4.9	18.4
7 20	18 36.10	−12 24.0	1.719	2.691	7.9	18.6
7 30	18 29.65	−12 55.9	1.771	2.691	11.3	18.8
8 9	18 25.36	−13 31.8	1.845	2.691	14.4	19.0

244424 2002 QX_{60} 7 3.2 207.°35 1.°5/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.27	−27 2.8	1.988	2.860	12.5	20.5
6 10	19 10.37	−27 8.9	1.916	2.859	9.2	20.3
6 20	19 2.37	−27 13.2	1.866	2.858	5.5	20.1
6 30	18 53.02	−27 13.1	1.843	2.857	2.0	19.8
7 10	18 43.35	−27 7.1	1.847	2.855	3.3	19.9
7 20	18 34.40	−26 54.9	1.878	2.854	7.0	20.2
7 30	18 27.09	−26 37.6	1.934	2.852	10.6	20.4
8 9	18 22.10	−26 17.0	2.013	2.851	13.7	20.6

41862 2000 WK_{96} 7 3.2 222.°27 1.°5/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.97	−18 44.0	2.247	3.107	11.7	19.8
6 10	19 9.94	−18 34.3	2.161	3.097	8.7	19.6
6 20	19 2.07	−18 28.2	2.099	3.087	5.3	19.4
6 30	18 52.97	−18 24.8	2.063	3.076	2.0	19.2
7 10	18 43.49	−18 23.5	2.056	3.065	2.9	19.2
7 20	18 34.50	−18 23.8	2.077	3.053	6.5	19.4
7 30	18 26.85	−18 25.3	2.125	3.041	9.9	19.6
8 9	18 21.17	−18 28.0	2.195	3.028	12.9	19.8

148410 2000 WN_{24} 7 3.2 200.°81 2.°0/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 11.93	−15 10.1	2.794	3.645	9.9	21.2
6 10	19 6.65	−15 16.1	2.712	3.641	7.5	21.0
6 20	18 59.99	−15 27.7	2.654	3.637	4.8	20.8
6 30	18 52.44	−15 44.3	2.624	3.633	2.3	20.7
7 10	18 44.61	−16 4.8	2.622	3.628	2.8	20.7
7 20	18 37.17	−16 28.1	2.650	3.623	5.4	20.9
7 30	18 30.72	−16 53.1	2.704	3.618	8.1	21.0
8 9	18 25.76	−17 18.6	2.783	3.612	10.6	21.2

89828 2002 BY_{28} 7 3.2 300.°64 8.°9/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 11.48	+ 5 45.3	2.227	3.003	14.5	18.5
6 10	19 6.65	+ 5 42.3	2.141	2.992	12.6	18.4
6 20	19 0.15	+ 5 17.5	2.075	2.980	10.7	18.2
6 30	18 52.50	+ 4 28.9	2.032	2.969	9.2	18.1
7 10	18 44.46	+ 3 16.8	2.015	2.958	8.9	18.1
7 20	18 36.80	+ 1 44.1	2.023	2.947	9.9	18.1
7 30	18 30.31	− 0 4.3	2.056	2.936	11.8	18.2
8 9	18 25.59	− 2 2.3	2.112	2.925	14.0	18.4

97368 2000 AG_{52} 7 3.2 238.°16 5.°6/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 19.39	−36 53.5	2.147	3.004	12.3	19.6
6 10	19 12.98	−37 53.1	2.067	2.993	9.6	19.4
6 20	19 4.11	−38 46.3	2.011	2.981	7.1	19.2
6 30	18 53.52	−39 27.3	1.981	2.969	5.6	19.1
7 10	18 42.31	−39 51.9	1.977	2.957	6.5	19.1
7 20	18 31.70	−39 58.5	2.000	2.944	8.9	19.3
7 30	18 22.84	−39 48.5	2.048	2.931	11.7	19.4
8 9	18 16.57	−39 25.7	2.116	2.917	14.4	19.6

400226 2007 DA_{101} 7 3.2 63.°91 3.°4/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 11.19	−11 25.8	2.288	3.139	11.8	21.0
6 10	19 6.32	−11 30.5	2.217	3.142	9.1	20.8
6 20	18 59.87	−11 44.7	2.169	3.146	6.1	20.6
6 30	18 52.41	−12 8.0	2.147	3.149	3.7	20.5
7 10	18 44.69	−12 39.2	2.152	3.153	4.0	20.5
7 20	18 37.46	−13 16.4	2.185	3.156	6.5	20.7
7 30	18 31.43	−13 57.5	2.243	3.160	9.4	20.9
8 9	18 27.13	−14 40.3	2.325	3.163	12.1	21.1

85789 1998 VK_{17} 7 3.2 215.°11 1.°3/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 18.05	−25 7.9	1.899	2.770	13.0	20.3
6 10	19 11.88	−25 34.3	1.821	2.764	9.6	20.0
6 20	19 3.38	−26 1.7	1.765	2.757	5.7	19.8
6 30	18 53.32	−26 26.6	1.736	2.750	1.9	19.5
7 10	18 42.76	−26 46.2	1.734	2.743	3.4	19.6
7 20	18 32.84	−26 58.8	1.759	2.735	7.5	19.9
7 30	18 24.62	−27 4.5	1.810	2.726	11.3	20.1
8 9	18 18.87	−27 4.8	1.882	2.717	14.6	20.3

279447 2010 RA_{61} 7 3.2 345.°94 5.°5/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.07	−37 11.6	2.053	2.917	12.5	20.1
6 10	19 10.45	−37 53.4	1.984	2.914	9.8	19.9
6 20	19 2.52	−38 27.2	1.939	2.911	7.1	19.8
6 30	18 53.10	−38 48.1	1.918	2.909	5.5	19.7
7 10	18 43.27	−38 53.1	1.924	2.907	6.3	19.7
7 20	18 34.21	−38 41.8	1.955	2.905	8.7	19.9
7 30	18 26.94	−38 16.1	2.010	2.904	11.4	20.0
8 9	18 22.19	−37 39.9	2.087	2.903	14.0	20.2

250909 2005 WO_2 7 3.2 240°.57 6°.8/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 21.51	−46 48.8	2.854	3.670	10.7	21.1
6 10	19 14.15	−47 27.1	2.771	3.655	9.0	20.9
6 20	19 4.60	−47 53.4	2.712	3.640	7.6	20.8
6 30	18 53.62	−48 3.5	2.678	3.625	6.8	20.7
7 10	18 42.23	−47 54.4	2.671	3.609	7.3	20.8
7 20	18 31.51	−47 26.4	2.690	3.593	8.6	20.8
7 30	18 22.47	−46 41.6	2.734	3.576	10.4	20.9
8 9	18 15.78	−45 44.3	2.799	3.559	12.2	21.0

179481 2002 CT_{13} 7 3.2 131°.33 5°.9/ 5.2 18

5 31	19 10.95	− 3 48.2	2.351	3.173	12.5	20.0
6 10	19 6.09	− 3 37.1	2.278	3.175	10.1	19.8
6 20	18 59.72	− 3 39.7	2.228	3.177	7.8	19.7
6 30	18 52.39	− 3 57.0	2.203	3.179	6.2	19.6
7 10	18 44.80	− 4 28.3	2.204	3.181	6.1	19.6
7 20	18 37.66	− 5 12.0	2.232	3.183	7.7	19.7
7 30	18 31.67	− 6 5.2	2.286	3.185	10.0	19.9
8 9	18 27.32	− 7 4.6	2.362	3.186	12.3	20.0

19981 Bialystock 7 3.2 71°.93 2°.2/ 4.1 18

5 31	19 13.16	−13 58.8	2.203	3.058	12.0	18.0
6 10	19 7.73	−14 29.0	2.147	3.079	9.0	17.8
6 20	19 0.66	−15 7.8	2.115	3.099	5.7	17.6
6 30	18 52.62	−15 53.2	2.110	3.119	2.7	17.5
7 10	18 44.38	−16 42.7	2.132	3.139	3.1	17.5
7 20	18 36.76	−17 33.8	2.183	3.160	6.2	17.8
7 30	18 30.46	−18 24.1	2.260	3.180	9.2	18.0
8 9	18 26.01	−19 12.0	2.361	3.199	11.9	18.2

200442 2000 VH_{13} 7 3.2 277°.30 3°.5/ 3.8 18

5 31	19 15.04	−14 2.6	1.879	2.739	13.6	21.0
6 10	19 9.72	−13 46.0	1.781	2.714	10.5	20.8
6 20	19 2.20	−13 37.4	1.706	2.688	7.0	20.5
6 30	18 53.07	−13 37.1	1.656	2.662	3.9	20.3
7 10	18 43.29	−13 44.9	1.632	2.636	4.5	20.3
7 20	18 33.90	−13 59.9	1.635	2.609	8.1	20.4
7 30	18 25.95	−14 20.8	1.663	2.582	12.0	20.6
8 9	18 20.26	−14 45.9	1.712	2.555	15.5	20.8

39660 1995 UU_{46} 7 3.2 331°.71 11°.1/ 4.1 18

5 31	19 10.50	− 1 8.6	1.431	2.274	17.9	18.5
6 10	19 6.68	+ 0 13.9	1.358	2.259	15.3	18.3
6 20	19 0.49	+ 1 17.5	1.304	2.246	12.8	18.1
6 30	18 52.65	+ 1 55.9	1.271	2.232	11.3	18.0
7 10	18 44.24	+ 2 5.6	1.260	2.220	11.4	17.9
7 20	18 36.44	+ 1 46.5	1.270	2.209	13.3	18.0
7 30	18 30.37	+ 1 1.8	1.300	2.198	16.1	18.2
8 9	18 26.86	− 0 2.0	1.348	2.189	19.0	18.3

432673 2011 BO 7 3.2 209°.96 0°.0/ 3.0 17

5 31	19 18.07	−22 31.3	1.928	2.795	13.0	22.4
6 10	19 11.79	−22 37.8	1.848	2.790	9.6	22.2
6 20	19 3.29	−22 46.4	1.792	2.784	5.7	21.9
6 30	18 53.32	−22 54.7	1.762	2.777	1.4	21.6
7 10	18 42.91	−23 1.0	1.760	2.770	3.0	21.7
7 20	18 33.14	−23 4.3	1.785	2.763	7.2	22.0
7 30	18 25.02	−23 4.8	1.836	2.754	11.0	22.2
8 9	18 19.28	−23 3.2	1.908	2.746	14.3	22.4

247964 2003 YF_{139} 7 3.2 255°.20 0°.0/ 3.0 18

5 31	19 18.07	−24 19.4	2.240	3.102	11.6	20.8
6 10	19 11.60	−23 58.0	2.143	3.082	8.6	20.6
6 20	19 3.11	−23 35.0	2.071	3.062	5.1	20.3
6 30	18 53.28	−23 9.2	2.026	3.042	1.3	20.0
7 10	18 43.00	−22 40.2	2.010	3.020	2.7	20.1
7 20	18 33.24	−22 8.7	2.023	2.999	6.6	20.3
7 30	18 24.91	−21 36.0	2.062	2.977	10.2	20.5
8 9	18 18.69	−21 3.9	2.124	2.954	13.3	20.7

66892 1999 VN_{87} 7 3.2 70°.76 7°.8/ 4.6 18

5 31	19 14.11	− 4 18.5	1.754	2.591	15.5	18.3
6 10	19 8.69	− 3 21.0	1.699	2.603	12.6	18.2
6 20	19 1.34	− 2 39.4	1.665	2.616	9.9	18.0
6 30	18 52.82	− 2 16.4	1.655	2.629	8.1	18.0
7 10	18 44.09	− 2 13.0	1.670	2.641	8.2	18.0
7 20	18 36.11	− 2 28.1	1.709	2.654	10.0	18.1
7 30	18 29.74	− 2 58.8	1.771	2.667	12.6	18.3
8 9	18 25.54	− 3 40.7	1.854	2.680	15.1	18.5

470511 2008 CJ_{125} 7 3.2 225°.16 0°.4/ 3.4 17

5 31	19 17.63	−19 48.3	1.668	2.541	14.4	21.7
6 10	19 11.81	−20 18.7	1.591	2.534	10.7	21.5
6 20	19 3.48	−20 56.1	1.535	2.527	6.4	21.2
6 30	18 53.41	−21 37.2	1.505	2.520	1.7	20.9
7 10	18 42.74	−22 18.4	1.501	2.512	3.3	21.0
7 20	18 32.70	−22 56.9	1.524	2.504	8.0	21.3
7 30	18 24.48	−23 30.9	1.572	2.495	12.2	21.5
8 9	18 18.91	−23 59.9	1.640	2.486	15.9	21.7

343531 2010 EM_{138} 7 3.2 1°.89 2°.6/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 13.59	−27 17.3	1.474	2.365	14.9	20.1
6 10	19 9.07	−27 51.1	1.411	2.363	11.0	19.9
6 20	19 1.92	−28 24.4	1.369	2.363	6.7	19.7
6 30	18 53.01	−28 52.8	1.351	2.363	2.9	19.4
7 10	18 43.64	−29 12.6	1.357	2.364	4.4	19.5
7 20	18 35.15	−29 22.1	1.388	2.366	8.7	19.8
7 30	18 28.74	−29 21.9	1.442	2.369	12.9	20.0
8 9	18 25.20	−29 14.0	1.515	2.372	16.4	20.3

265818 2005 XU_{67} 7 3.2 284°.10 1°.4/ 3.4 18

5 31	19 13.27	−19 48.1	2.260	3.126	11.4	20.5
6 10	19 7.95	−19 26.9	2.177	3.117	8.5	20.3
6 20	19 0.90	−19 7.9	2.119	3.108	5.1	20.1
6 30	18 52.73	−18 50.9	2.087	3.100	1.9	19.9
7 10	18 44.25	−18 35.7	2.082	3.091	2.8	19.9
7 20	18 36.29	−18 22.2	2.106	3.083	6.3	20.1
7 30	18 29.62	−18 10.8	2.155	3.074	9.6	20.3
8 9	18 24.84	−18 1.5	2.227	3.066	12.5	20.5

42813 1999 JU_{121} 7 3.2 82°.56 3°.7/ 3.4 18

5 31	19 18.29	−16 55.3	1.397	2.274	16.4	17.8
6 10	19 12.32	−16 4.8	1.334	2.277	12.4	17.6
6 20	19 3.72	−15 19.9	1.292	2.280	8.0	17.3
6 30	18 53.45	−14 42.1	1.274	2.283	4.2	17.1
7 10	18 42.83	−14 12.5	1.281	2.286	5.1	17.2
7 20	18 33.20	−13 51.9	1.312	2.289	9.3	17.4
7 30	18 25.74	−13 40.3	1.367	2.292	13.6	17.7
8 9	18 21.17	−13 36.7	1.441	2.295	17.3	17.9

355741 2008 HX_7 7 3.2 152°.89 6°.2/ 5.4 17

5 31	19 10.95	− 0 48.4	2.735	3.536	11.5	21.6
6 10	19 5.89	− 0 28.5	2.665	3.541	9.6	21.5
6 20	18 59.54	− 0 21.8	2.617	3.547	7.7	21.4
6 30	18 52.37	− 0 29.3	2.594	3.552	6.4	21.3
7 10	18 45.01	− 0 51.2	2.598	3.557	6.4	21.3
7 20	18 38.06	− 1 26.0	2.629	3.561	7.5	21.4
7 30	18 32.09	− 2 11.5	2.685	3.566	9.4	21.5
8 9	18 27.57	− 3 4.6	2.764	3.570	11.2	21.7

482330 2011 UC_{314} 7 3.2 256°.04 1°.1/ 3.5 18

5 31	19 13.15	−18 49.8	2.265	3.129	11.4	22.0
6 10	19 7.93	−18 56.1	2.179	3.118	8.5	21.7
6 20	19 0.93	−19 7.0	2.118	3.108	5.2	21.5
6 30	18 52.76	−19 21.2	2.083	3.097	1.8	21.3
7 10	18 44.19	−19 37.2	2.076	3.086	2.7	21.3
7 20	18 36.07	−19 54.0	2.097	3.075	6.3	21.5
7 30	18 29.21	−20 10.5	2.144	3.063	9.6	21.7
8 9	18 24.24	−20 26.3	2.213	3.052	12.6	21.9

307261 2002 MS_4 7 3.2 225°.51 0°.4/ 4.8 18

5 31	18 52.28	− 6 11.5	45.709	46.520	0.8	20.4
6 10	18 51.65	− 6 10.4	45.628	46.518	0.6	20.3
6 20	18 50.96	− 6 9.9	45.571	46.516	0.5	20.3
6 30	18 50.23	− 6 10.1	45.542	46.514	0.4	20.3
7 10	18 49.50	− 6 10.9	45.541	46.512	0.4	20.3
7 20	18 48.78	− 6 12.2	45.567	46.509	0.5	20.3
7 30	18 48.10	− 6 14.2	45.620	46.507	0.6	20.3
8 9	18 47.49	− 6 16.6	45.698	46.505	0.8	20.4

383209 2005 YR_{106} 7 3.3 212°.18 0°.1/ 3.3 18

5 31	19 17.24	−18 49.7	2.027	2.889	12.7	21.6
6 10	19 11.20	−19 50.6	1.945	2.884	9.4	21.4
6 20	19 3.01	−20 59.6	1.887	2.878	5.6	21.1
6 30	18 53.31	−22 13.0	1.857	2.872	1.4	20.8
7 10	18 43.04	−23 26.2	1.856	2.866	2.9	20.9
7 20	18 33.23	−24 35.1	1.883	2.859	7.0	21.2
7 30	18 24.87	−25 37.2	1.936	2.851	10.7	21.4
8 9	18 18.74	−26 31.3	2.012	2.844	13.9	21.6

472009 2013 WO_{80} 7 3.3 218°.28 0°.8/ 3.0 18

5 31	19 16.67	−23 34.2	2.253	3.117	11.5	22.0
6 10	19 10.60	−24 3.9	2.168	3.108	8.5	21.8
6 20	19 2.56	−24 35.8	2.107	3.099	5.0	21.6
6 30	18 53.18	−25 6.9	2.074	3.089	1.4	21.3
7 10	18 43.34	−25 34.8	2.069	3.078	2.8	21.4
7 20	18 33.98	−25 57.7	2.092	3.067	6.5	21.6
7 30	18 25.99	−26 15.0	2.142	3.055	9.9	21.8
8 9	18 20.06	−26 27.2	2.215	3.043	12.9	22.0

517717 2015 KZ_{120} 7 3.3 1°.48 6°.6/31.0 18

5 31	19 21.50	+70 38.5	8.780	8.712	6.6	19.8
6 10	19 13.98	+71 38.8	8.790	8.727	6.6	19.8
6 20	19 4.57	+72 27.8	8.801	8.742	6.6	19.8
6 30	18 53.72	+73 4.1	8.810	8.757	6.6	19.8
7 10	18 42.09	+73 27.0	8.819	8.773	6.6	19.8
7 20	18 30.48	+73 36.6	8.826	8.789	6.6	19.8
7 30	18 19.74	+73 33.4	8.832	8.806	6.6	19.9
8 9	18 10.58	+73 19.2	8.836	8.822	6.6	19.9

348324 2005 CY_{39} 7 3.3 221.°22 1.°5/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 17.07	−26 56.3	2.274	3.138	11.4	22.2
6 10	19 10.85	−27 8.2	2.190	3.130	8.4	22.0
6 20	19 2.68	−27 18.7	2.130	3.121	5.1	21.7
6 30	18 53.21	−27 25.3	2.098	3.111	1.9	21.5
7 10	18 43.35	−27 26.2	2.093	3.101	3.1	21.6
7 20	18 34.04	−27 20.8	2.117	3.090	6.6	21.8
7 30	18 26.17	−27 9.8	2.167	3.079	9.9	22.0
8 9	18 20.41	−26 54.7	2.240	3.068	12.8	22.1

304523 2006 UC_{235} 7 3.3 179.°13 0.°0/ 3.0 18

5 31	19 14.15	−23 15.5	2.637	3.498	10.1	21.3
6 10	19 8.35	−23 9.0	2.560	3.499	7.4	21.1
6 20	19 1.04	−23 2.7	2.509	3.500	4.4	20.9
6 30	18 52.78	−22 55.6	2.485	3.500	1.1	20.7
7 10	18 44.30	−22 46.9	2.490	3.500	2.2	20.8
7 20	18 36.33	−22 36.7	2.524	3.500	5.5	21.0
7 30	18 29.55	−22 25.1	2.584	3.499	8.4	21.2
8 9	18 24.47	−22 12.9	2.669	3.498	10.9	21.3

501513 2014 DQ_{119} 7 3.3 209.°75 3.°5/ 4.3 17

5 31	19 13.92	−10 54.6	2.507	3.346	11.3	22.1
6 10	19 8.28	−10 51.5	2.421	3.339	8.7	21.9
6 20	19 1.06	−10 57.0	2.359	3.332	6.0	21.7
6 30	18 52.80	−11 11.3	2.324	3.324	3.8	21.6
7 10	18 44.21	−11 33.4	2.317	3.315	4.1	21.6
7 20	18 36.00	−12 2.2	2.339	3.306	6.5	21.7
7 30	18 28.91	−12 35.8	2.387	3.296	9.3	21.9
8 9	18 23.48	−13 12.5	2.459	3.285	11.9	22.1

442528 2011 WB_{109} 7 3.3 291.°29 1.°9/ 3.9 18

5 31	19 12.53	−15 25.9	2.058	2.922	12.4	20.8
6 10	19 7.68	−15 51.0	1.971	2.908	9.4	20.6
6 20	19 0.91	−16 25.3	1.906	2.893	5.9	20.4
6 30	18 52.80	−17 7.1	1.867	2.879	2.5	20.1
7 10	18 44.18	−17 54.1	1.856	2.865	3.2	20.1
7 20	18 35.97	−18 43.6	1.872	2.850	6.8	20.3
7 30	18 29.08	−19 33.1	1.914	2.836	10.4	20.5
8 9	18 24.20	−20 20.6	1.978	2.822	13.6	20.7

401596 2013 GY_{20} 7 3.3 150.°17 6.°8/ 5.3 18

5 31	19 10.59	+ 0 35.4	2.705	3.500	11.7	21.0
6 10	19 5.66	+ 1 7.7	2.635	3.504	9.9	20.9
6 20	18 59.43	+ 1 26.3	2.588	3.509	8.2	20.8
6 30	18 52.39	+ 1 29.7	2.565	3.513	7.0	20.7
7 10	18 45.14	+ 1 17.4	2.568	3.517	7.0	20.7
7 20	18 38.31	+ 0 50.5	2.598	3.521	8.1	20.8
7 30	18 32.46	+ 0 11.2	2.652	3.524	9.7	20.9
8 9	18 28.06	− 0 37.6	2.729	3.528	11.5	21.0

119870 2002 CL_{163} 7 3.3 41.°50 0.°7/ 3.1 17

5 31	19 13.28	−23 22.5	1.974	2.850	12.4	19.5
6 10	19 8.17	−23 50.7	1.912	2.858	9.0	19.3
6 20	19 1.11	−24 21.1	1.873	2.866	5.3	19.1
6 30	18 52.82	−24 50.8	1.860	2.875	1.4	18.8
7 10	18 44.25	−25 17.3	1.874	2.884	2.9	19.0
7 20	18 36.34	−25 39.0	1.914	2.893	6.7	19.2
7 30	18 29.97	−25 55.3	1.980	2.902	10.2	19.5
8 9	18 25.76	−26 6.7	2.068	2.911	13.2	19.7

322497 2011 UV_{390} 7 3.3 227.°76 4.°9/ 4.8 18

5 31	19 11.73	− 7 22.2	2.218	3.056	12.6	21.2
6 10	19 6.81	− 7 16.4	2.142	3.054	10.0	21.0
6 20	19 0.25	− 7 22.8	2.089	3.053	7.3	20.9
6 30	18 52.61	− 7 42.1	2.060	3.051	5.3	20.7
7 10	18 44.67	− 8 13.3	2.059	3.049	5.3	20.7
7 20	18 37.18	− 8 54.7	2.085	3.047	7.4	20.9
7 30	18 30.91	− 9 43.5	2.135	3.045	10.1	21.0
8 9	18 26.42	−10 36.9	2.209	3.043	12.8	21.2

299342 2005 SS_{101} 7 3.3 101.°64 1.°5/ 3.1 17

5 31	19 21.37	−25 55.6	1.278	2.164	17.0	20.7
6 10	19 14.92	−26 1.8	1.223	2.173	12.6	20.5
6 20	19 5.39	−26 7.0	1.188	2.182	7.5	20.2
6 30	18 53.91	−26 7.3	1.176	2.191	2.3	19.9
7 10	18 42.10	−26 0.3	1.189	2.199	4.1	20.1
7 20	18 31.55	−25 46.1	1.227	2.207	9.3	20.4
7 30	18 23.62	−25 26.7	1.287	2.216	14.0	20.7
8 9	18 19.05	−25 4.9	1.366	2.223	17.9	20.9

108768 2001 OT_{50} 7 3.3 305.°42 0.°3/ 3.4 18

5 31	19 13.23	−19 12.2	1.844	2.718	13.2	19.6
6 10	19 8.47	−19 54.3	1.758	2.703	9.8	19.3
6 20	19 1.51	−20 44.4	1.696	2.688	5.8	19.1
6 30	18 52.98	−21 39.6	1.659	2.674	1.6	18.7
7 10	18 43.84	−22 36.1	1.649	2.660	3.0	18.8
7 20	18 35.15	−23 30.3	1.665	2.645	7.3	19.1
7 30	18 27.98	−24 19.9	1.707	2.632	11.3	19.3
8 9	18 23.11	−25 3.5	1.770	2.618	14.8	19.5

182010 1999 XT_{133} 7 3.3 257.°67 4.°2/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 20.45	−31 38.8	1.765	2.635	13.9	20.9
6 10	19 14.17	−32 22.3	1.677	2.616	10.6	20.7
6 20	19 5.06	−33 2.6	1.611	2.596	7.0	20.4
6 30	18 53.90	−33 33.9	1.571	2.576	4.3	20.2
7 10	18 41.93	−33 51.6	1.557	2.556	5.5	20.2
7 20	18 30.56	−33 53.7	1.570	2.534	9.2	20.4
7 30	18 21.17	−33 41.6	1.606	2.513	13.0	20.6
8 9	18 14.72	−33 18.8	1.663	2.491	16.5	20.8

238289 2003 WB_{148} 7 3.3 159.°02 3.°9/ 4.2 18

5 31	19 13.68	−11 4.1	2.214	3.060	12.3	20.9
6 10	19 8.18	−10 50.1	2.142	3.064	9.5	20.7
6 20	19 1.02	−10 45.1	2.094	3.068	6.6	20.5
6 30	18 52.80	−10 49.7	2.072	3.071	4.2	20.4
7 10	18 44.32	−11 3.3	2.077	3.074	4.5	20.4
7 20	18 36.37	−11 24.5	2.110	3.077	7.0	20.6
7 30	18 29.71	−11 51.7	2.168	3.080	9.9	20.8
8 9	18 24.89	−12 23.0	2.249	3.082	12.6	21.0

431914 2008 TA_{54} 7 3.3 345.°32 0.°9/ 3.1 16

5 31	19 12.98	−23 26.5	1.357	2.251	15.7	21.1
6 10	19 8.83	−23 51.6	1.289	2.244	11.6	20.8
6 20	19 1.91	−24 20.4	1.241	2.237	6.9	20.5
6 30	18 53.09	−24 49.4	1.216	2.231	1.9	20.2
7 10	18 43.68	−25 14.9	1.215	2.226	3.8	20.3
7 20	18 35.09	−25 34.4	1.238	2.221	8.9	20.6
7 30	18 28.63	−25 47.4	1.284	2.218	13.5	20.9
8 9	18 25.17	−25 54.5	1.348	2.216	17.5	21.1

338056 2002 NF_{78} 7 3.3 283.°38 2.°1/ 3.6 18

5 31	19 14.39	−17 51.6	1.874	2.743	13.2	20.7
6 10	19 9.07	−17 34.7	1.797	2.738	9.9	20.5
6 20	19 1.71	−17 22.6	1.743	2.732	6.2	20.3
6 30	18 53.00	−17 15.2	1.715	2.727	2.6	20.0
7 10	18 43.91	−17 11.7	1.714	2.722	3.5	20.1
7 20	18 35.44	−17 11.7	1.739	2.717	7.3	20.3
7 30	18 28.54	−17 14.8	1.789	2.711	11.0	20.5
8 9	18 23.85	−17 20.3	1.860	2.706	14.3	20.7

482309 2011 UF_{146} 7 3.3 145.°59 2.°1/ 3.6 18

5 31	19 13.24	−16 53.3	2.414	3.272	11.0	21.6
6 10	19 7.75	−16 32.7	2.342	3.275	8.3	21.4
6 20	19 0.72	−16 16.3	2.293	3.279	5.2	21.2
6 30	18 52.73	−16 4.1	2.272	3.282	2.5	21.0
7 10	18 44.52	−15 55.8	2.279	3.285	3.1	21.1
7 20	18 36.85	−15 51.2	2.314	3.288	6.0	21.3
7 30	18 30.40	−15 50.0	2.376	3.291	9.0	21.5
8 9	18 25.68	−15 51.7	2.460	3.294	11.6	21.7

139192 2001 FC_{153} 7 3.3 22.°74 0.°7/ 3.4 17

5 31	19 15.02	−20 7.3	1.268	2.160	16.8	19.5
6 10	19 10.28	−20 23.2	1.210	2.163	12.4	19.2
6 20	19 2.70	−20 46.1	1.173	2.168	7.4	19.0
6 30	18 53.28	−21 13.0	1.158	2.173	2.0	18.6
7 10	18 43.41	−21 40.6	1.167	2.178	3.7	18.8
7 20	18 34.54	−22 6.2	1.200	2.185	8.9	19.1
7 30	18 27.95	−22 28.7	1.255	2.191	13.6	19.4
8 9	18 24.44	−22 47.5	1.330	2.198	17.6	19.7

508459 2016 NO_{21} 7 3.3 337.°05 2.°1/ 4.1 18

5 31	19 12.76	−13 16.9	1.343	2.224	16.7	19.2
6 10	19 8.73	−14 24.5	1.267	2.213	12.7	18.9
6 20	19 1.94	−15 51.9	1.212	2.202	8.0	18.6
6 30	18 53.15	−17 35.4	1.180	2.193	3.1	18.3
7 10	18 43.54	−19 28.0	1.173	2.184	3.9	18.3
7 20	18 34.52	−21 21.6	1.192	2.176	9.0	18.6
7 30	18 27.45	−23 9.0	1.233	2.169	13.8	18.8
8 9	18 23.36	−24 45.5	1.295	2.163	18.0	19.1

155418 1996 SQ_{2} 7 3.3 130.°91 0.°7/ 3.4 17

5 31	19 16.48	−20 35.8	1.813	2.684	13.5	21.1
6 10	19 10.61	−20 41.3	1.747	2.690	9.9	20.9
6 20	19 2.60	−20 50.6	1.703	2.695	5.9	20.7
6 30	18 53.22	−21 1.9	1.686	2.701	1.7	20.4
7 10	18 43.53	−21 13.3	1.695	2.706	3.0	20.5
7 20	18 34.58	−21 23.6	1.731	2.711	7.2	20.8
7 30	18 27.35	−21 32.5	1.793	2.715	11.0	21.0
8 9	18 22.49	−21 39.9	1.875	2.720	14.3	21.2

461867 2006 HT_{95} 7 3.3 29.°37 4.°9/ 2.2 17

5 31	19 18.75	−30 27.6	1.257	2.148	16.9	21.1
6 10	19 13.39	−31 28.9	1.201	2.151	12.7	20.8
6 20	19 4.72	−32 27.4	1.164	2.154	8.3	20.6
6 30	18 53.81	−33 15.1	1.151	2.158	5.1	20.4
7 10	18 42.31	−33 46.1	1.161	2.162	6.5	20.5
7 20	18 31.96	−33 58.1	1.194	2.166	10.7	20.7
7 30	18 24.28	−33 53.2	1.249	2.170	14.9	21.0
8 9	18 20.18	−33 35.9	1.323	2.175	18.7	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
450006 2015 PW_{293}			7 3.3 303°.39	7°.8/ 1.9 18		
	h m	° ′			°	m
5 31	19 20.30	−45 41.7	2.229	3.062	12.7	20.2
6 10	19 13.72	−46 20.0	2.154	3.051	10.6	20.1
6 20	19 4.56	−46 44.6	2.101	3.040	8.8	19.9
6 30	18 53.73	−46 50.2	2.072	3.029	7.8	19.8
7 10	18 42.48	−46 33.6	2.068	3.019	8.3	19.9
7 20	18 32.11	−45 55.1	2.090	3.008	10.0	19.9
7 30	18 23.78	−44 58.1	2.135	2.998	12.1	20.1
8 9	18 18.25	−43 48.0	2.201	2.987	14.3	20.2
343547 2010 FQ_{20}			7 3.3 237°.18	3°.8/ 2.4 18		
5 31	19 17.50	−31 42.2	1.962	2.831	12.7	21.0
6 10	19 11.56	−32 21.5	1.887	2.826	9.6	20.8
6 20	19 3.28	−32 56.9	1.836	2.821	6.3	20.6
6 30	18 53.42	−33 23.8	1.810	2.815	3.9	20.4
7 10	18 43.08	−33 38.9	1.811	2.809	4.9	20.4
7 20	18 33.43	−33 41.0	1.839	2.804	8.1	20.6
7 30	18 25.54	−33 31.3	1.891	2.798	11.4	20.8
8 9	18 20.17	−33 12.6	1.965	2.791	14.4	21.0
506696 2006 TV_{100}			7 3.3 288°.07	0°.3/ 3.3 17		
5 31	19 16.79	−22 6.3	1.494	2.376	15.2	22.3
6 10	19 11.62	−22 7.2	1.405	2.354	11.4	22.0
6 20	19 3.63	−22 11.2	1.338	2.332	6.8	21.7
6 30	18 53.58	−22 16.3	1.295	2.310	1.8	21.3
7 10	18 42.70	−22 20.2	1.277	2.288	3.6	21.4
7 20	18 32.41	−22 21.6	1.283	2.265	8.8	21.6
7 30	18 24.10	−22 20.8	1.313	2.243	13.7	21.8
8 9	18 18.75	−22 18.4	1.363	2.221	17.9	22.0
160483 2007 AS_{14}			7 3.3 256°.06	1°.2/ 2.9 18		
5 31	19 13.66	−24 10.1	2.289	3.158	11.2	20.0
6 10	19 8.39	−24 53.3	2.210	3.153	8.2	19.8
6 20	19 1.27	−25 38.8	2.156	3.148	4.9	19.6
6 30	18 52.92	−26 23.4	2.129	3.143	1.6	19.3
7 10	18 44.15	−27 4.3	2.130	3.138	2.9	19.4
7 20	18 35.84	−27 39.1	2.159	3.133	6.4	19.6
7 30	18 28.84	−28 7.1	2.214	3.128	9.6	19.8
8 9	18 23.79	−28 28.4	2.291	3.123	12.4	20.0
195535 2002 JJ_{41}			7 3.3 107°.67	7°.2/ 4.4 18		
5 31	19 14.97	− 4 42.2	1.929	2.759	14.5	19.7
6 10	19 9.22	− 3 47.4	1.870	2.771	11.8	19.6
6 20	19 1.66	− 3 6.6	1.833	2.782	9.2	19.5
6 30	18 52.99	− 2 42.5	1.820	2.794	7.4	19.4
7 10	18 44.11	− 2 36.0	1.833	2.805	7.6	19.4
7 20	18 35.91	− 2 46.2	1.872	2.816	9.4	19.5
7 30	18 29.21	− 3 10.8	1.934	2.827	11.9	19.7
8 9	18 24.56	− 3 46.1	2.018	2.837	14.3	19.9
257116 2008 GH_{79}			7 3.3 137°.38	3°.3/ 4.1 18		
5 31	19 12.05	−12 12.9	2.548	3.394	10.9	21.1
6 10	19 6.81	−11 58.5	2.477	3.400	8.4	20.9
6 20	19 0.15	−11 51.2	2.431	3.407	5.7	20.7
6 30	18 52.61	−11 51.5	2.411	3.413	3.5	20.6
7 10	18 44.87	−11 58.7	2.420	3.418	3.8	20.6
7 20	18 37.60	−12 12.0	2.456	3.424	6.1	20.8
7 30	18 31.44	−12 30.3	2.519	3.429	8.8	21.0
8 9	18 26.88	−12 52.1	2.605	3.435	11.2	21.2
521541 2015 OD_{101}			7 3.3 292°.51	1°.7/ 3.5 18		
5 31	19 12.65	−18 31.8	2.269	3.134	11.4	21.3
6 10	19 7.52	−18 12.8	2.187	3.125	8.5	21.1
6 20	19 0.70	−17 57.1	2.128	3.117	5.2	20.8
6 30	18 52.77	−17 44.5	2.096	3.108	2.2	20.6
7 10	18 44.52	−17 34.7	2.092	3.100	3.0	20.7
7 20	18 36.77	−17 27.6	2.115	3.092	6.3	20.9
7 30	18 30.29	−17 23.0	2.164	3.084	9.6	21.1
8 9	18 25.65	−17 20.7	2.236	3.076	12.4	21.2
363648 2004 RA_{251}			7 3.3 229°.51	4°.4/ 4.2 18		
5 31	19 11.20	− 7 25.9	2.976	3.801	10.1	21.6
6 10	19 6.10	− 6 57.9	2.886	3.789	8.0	21.5
6 20	18 59.72	− 6 38.1	2.821	3.778	6.0	21.3
6 30	18 52.52	− 6 27.3	2.782	3.766	4.6	21.2
7 10	18 45.05	− 6 25.9	2.772	3.753	4.7	21.2
7 20	18 37.90	− 6 33.6	2.789	3.741	6.3	21.3
7 30	18 31.63	− 6 49.4	2.834	3.728	8.5	21.4
8 9	18 26.71	− 7 11.5	2.901	3.714	10.6	21.5
308018 2004 RA_{219}			7 3.3 256°.96	1°.1/ 3.3 18		
5 31	19 17.97	−21 37.7	1.937	2.803	13.0	20.2
6 10	19 11.75	−21 5.3	1.848	2.789	9.7	20.0
6 20	19 3.34	−20 32.9	1.783	2.774	5.8	19.7
6 30	18 53.46	−20 0.1	1.745	2.759	1.9	19.4
7 10	18 43.12	−19 27.3	1.734	2.743	3.2	19.5
7 20	18 33.40	−18 55.2	1.750	2.727	7.3	19.7
7 30	18 25.29	−18 25.4	1.792	2.711	11.2	19.9
8 9	18 19.53	−17 58.7	1.857	2.695	14.6	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
493624 2015 PX_{24}			7 3.3 311°.51	1°.7/ 2.9 18		
	h m	° ′			°	m
5 31	19 13.67	−26 14.6	1.969	2.846	12.4	21.5
6 10	19 8.69	−26 41.7	1.889	2.835	9.1	21.3
6 20	19 1.58	−27 9.2	1.832	2.824	5.5	21.0
6 30	18 53.03	−27 33.8	1.801	2.814	2.1	20.8
7 10	18 44.01	−27 52.9	1.796	2.804	3.4	20.8
7 20	18 35.55	−28 5.0	1.818	2.794	7.2	21.1
7 30	18 28.63	−28 10.0	1.865	2.784	10.8	21.3
8 9	18 23.98	−28 8.9	1.933	2.775	14.0	21.4
122873 2000 SK_{139}			7 3.3 236°.85	1°.5/ 2.9 18		
5 31	19 18.02	−26 51.6	2.168	3.033	11.8	20.9
6 10	19 11.73	−27 4.6	2.079	3.019	8.8	20.7
6 20	19 3.32	−27 16.2	2.014	3.004	5.3	20.4
6 30	18 53.47	−27 23.9	1.976	2.989	1.9	20.2
7 10	18 43.13	−27 25.5	1.966	2.974	3.2	20.3
7 20	18 33.32	−27 20.3	1.984	2.957	6.9	20.5
7 30	18 25.02	−27 9.1	2.028	2.940	10.4	20.6
8 9	18 18.95	−26 53.5	2.094	2.923	13.5	20.8
398226 2010 PU_{30}			7 3.3 300°.70	3°.3/ 2.2 18		
5 31	19 14.25	−30 25.8	2.191	3.061	11.5	21.0
6 10	19 9.03	−31 15.3	2.112	3.052	8.7	20.8
6 20	19 1.75	−32 3.0	2.057	3.043	5.6	20.6
6 30	18 53.08	−32 44.7	2.029	3.035	3.4	20.5
7 10	18 43.92	−33 16.8	2.028	3.026	4.4	20.5
7 20	18 35.27	−33 37.7	2.054	3.018	7.4	20.7
7 30	18 28.09	−33 47.4	2.104	3.009	10.5	20.9
8 9	18 23.08	−33 47.5	2.177	3.001	13.3	21.0
467622 2008 EX_{39}			7 3.3 33°.12	11°.1/ 5.9 17		
5 31	19 12.40	− 1 26.4	1.147	2.005	20.6	20.5
6 10	19 8.13	− 0 24.3	1.109	2.021	17.1	20.4
6 20	19 1.30	+ 0 10.9	1.088	2.039	13.8	20.2
6 30	18 52.93	+ 0 15.0	1.086	2.057	11.5	20.2
7 10	18 44.37	− 0 12.0	1.105	2.077	11.2	20.2
7 20	18 36.91	− 1 5.9	1.145	2.098	13.1	20.4
7 30	18 31.63	− 2 19.8	1.205	2.119	15.9	20.6
8 9	18 29.19	− 3 44.9	1.283	2.141	18.8	20.9
378297 2007 EL_{176}			7 3.3 173°.67	3°.7/ 2.6 17		
5 31	19 19.79	−32 8.8	1.936	2.802	13.0	21.3
6 10	19 13.18	−32 37.6	1.867	2.804	9.8	21.1
6 20	19 4.19	−33 1.2	1.821	2.806	6.4	20.9
6 30	18 53.67	−33 15.2	1.802	2.807	3.9	20.8
7 10	18 42.78	−33 16.9	1.809	2.808	4.8	20.8
7 20	18 32.71	−33 5.8	1.843	2.808	8.0	21.0
7 30	18 24.53	−32 44.0	1.902	2.808	11.4	21.2
8 9	18 18.94	−32 14.6	1.982	2.808	14.3	21.4
56217 1999 HH_{3}			7 3.3 122°.03	7°.3/ 5.3 18		
5 31	19 14.53	− 3 17.0	1.854	2.681	15.1	18.5
6 10	19 9.03	− 2 53.0	1.791	2.690	12.3	18.4
6 20	19 1.63	− 2 46.0	1.749	2.699	9.6	18.2
6 30	18 53.02	− 2 57.6	1.731	2.707	7.6	18.1
7 10	18 44.13	− 3 27.6	1.739	2.715	7.5	18.1
7 20	18 35.90	− 4 13.5	1.772	2.722	9.4	18.2
7 30	18 29.17	− 5 11.6	1.829	2.730	12.0	18.4
8 9	18 24.57	− 6 17.2	1.908	2.737	14.7	18.6
280068 2002 CU_{155}			7 3.3 164°.48	0°.6/ 3.1 18		
5 31	19 17.42	−23 22.3	2.356	3.216	11.2	22.1
6 10	19 10.96	−23 47.6	2.284	3.222	8.2	21.9
6 20	19 2.70	−24 14.3	2.237	3.228	4.8	21.7
6 30	18 53.29	−24 40.0	2.218	3.233	1.3	21.5
7 10	18 43.58	−25 2.5	2.228	3.238	2.6	21.6
7 20	18 34.44	−25 20.3	2.267	3.241	6.1	21.8
7 30	18 26.69	−25 33.4	2.332	3.244	9.3	22.0
8 9	18 20.91	−25 42.2	2.421	3.246	12.0	22.2
18888 2000 AV_{246}			7 3.3 343°.43	0°.0/ 3.1 18		
5 31	19 10.00	−22 12.7	1.605	2.494	14.0	17.3
6 10	19 6.32	−22 19.0	1.526	2.479	10.3	17.1
6 20	19 0.32	−22 28.6	1.469	2.465	6.1	16.8
6 30	18 52.74	−22 39.7	1.436	2.452	1.6	16.4
7 10	18 44.64	−22 50.3	1.428	2.440	3.2	16.5
7 20	18 37.16	−22 58.9	1.445	2.429	7.8	16.8
7 30	18 31.40	−23 5.1	1.485	2.420	12.0	17.0
8 9	18 28.14	−23 9.0	1.546	2.411	15.7	17.2
433317 2013 PX_{73}			7 3.3 268°.99	4°.6/ 4.2 17		
5 31	19 15.06	−11 29.1	1.632	2.494	15.2	21.3
6 10	19 9.95	−11 19.7	1.549	2.480	11.8	21.0
6 20	19 2.46	−11 22.7	1.487	2.466	8.1	20.8
6 30	18 53.29	−11 38.7	1.449	2.452	5.0	20.6
7 10	18 43.50	−12 6.7	1.436	2.438	5.4	20.6
7 20	18 34.26	−12 44.7	1.449	2.423	8.9	20.7
7 30	18 26.68	−13 29.8	1.486	2.409	12.8	20.9
8 9	18 21.61	−14 18.7	1.544	2.394	16.5	21.1

414123 2007 UQ_{87} 7 3.3 168.°06 0.°3/ 3.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 19.44	−21 40.5	1.766	2.635	13.9	22.5
6 10	19 12.89	−21 44.2	1.697	2.639	10.3	22.3
6 20	19 4.01	−21 50.5	1.650	2.642	6.1	22.1
6 30	18 53.64	−21 57.5	1.630	2.645	1.6	21.8
7 10	18 42.90	−22 3.2	1.637	2.647	3.1	21.9
7 20	18 32.96	−22 6.7	1.671	2.649	7.5	22.2
7 30	18 24.86	−22 8.2	1.730	2.650	11.5	22.4
8 9	18 19.31	−22 8.3	1.810	2.651	14.9	22.6

84613 2002 VX_{37} 7 3.3 213.°36 0.°6/ 3.1 18

5 31	19 17.81	−22 25.1	1.870	2.740	13.2	20.2
6 10	19 11.79	−23 0.3	1.791	2.734	9.8	20.0
6 20	19 3.45	−23 39.5	1.736	2.728	5.8	19.7
6 30	18 53.52	−24 19.2	1.706	2.722	1.5	19.4
7 10	18 43.06	−24 56.0	1.705	2.715	3.1	19.5
7 20	18 33.18	−25 27.4	1.730	2.707	7.4	19.8
7 30	18 24.97	−25 52.6	1.781	2.699	11.3	20.0
8 9	18 19.20	−26 11.7	1.853	2.691	14.7	20.2

296991 2010 EM_{126} 7 3.3 11.°99 3.°8/ 1.9 18

5 31	19 15.12	−27 48.7	1.545	2.431	14.6	19.7
6 10	19 10.28	−29 11.1	1.484	2.433	10.9	19.5
6 20	19 2.74	−30 35.0	1.444	2.436	6.9	19.2
6 30	18 53.36	−31 53.2	1.430	2.439	3.9	19.1
7 10	18 43.39	−32 59.3	1.441	2.442	5.4	19.2
7 20	18 34.20	−33 49.4	1.478	2.447	9.2	19.4
7 30	18 27.05	−34 23.0	1.537	2.452	13.1	19.6
8 9	18 22.80	−34 42.0	1.617	2.457	16.4	19.9

389296 2009 KL_{22} 7 3.3 18.°87 15.°4/ 5.9 18

5 31	19 10.15	+ 8 52.7	1.446	2.242	20.1	19.4
6 10	19 6.16	+10 59.4	1.410	2.255	18.2	19.3
6 20	19 0.04	+12 36.4	1.390	2.269	16.5	19.2
6 30	18 52.63	+13 36.6	1.390	2.285	15.5	19.2
7 10	18 45.00	+13 57.2	1.408	2.302	15.4	19.2
7 20	18 38.21	+13 39.8	1.445	2.321	16.2	19.3
7 30	18 33.19	+12 49.7	1.500	2.340	17.5	19.4
8 9	18 30.54	+11 35.4	1.572	2.361	19.0	19.6

518903 2010 FA_{78} 7 3.3 82.°75 0.°0/ 3.1 17

5 31	19 16.51	−19 57.0	1.768	2.640	13.8	20.6
6 10	19 10.70	−20 48.0	1.711	2.655	10.1	20.4
6 20	19 2.70	−21 45.2	1.677	2.670	5.9	20.2
6 30	18 53.31	−22 44.5	1.669	2.685	1.5	20.0
7 10	18 43.59	−23 41.8	1.689	2.699	3.0	20.1
7 20	18 34.64	−24 33.7	1.735	2.714	7.2	20.4
7 30	18 27.43	−25 18.4	1.807	2.728	11.0	20.7
8 9	18 22.65	−25 55.7	1.900	2.743	14.2	20.9

233525 2007 HM_{14} 7 3.3 328.°05 0.°1/ 3.3 18

5 31	19 14.11	−22 15.4	1.474	2.361	15.1	20.3
6 10	19 9.50	−22 18.0	1.400	2.351	11.2	20.1
6 20	19 2.27	−22 23.8	1.346	2.341	6.7	19.8
6 30	18 53.25	−22 30.6	1.317	2.332	1.7	19.5
7 10	18 43.66	−22 36.4	1.312	2.323	3.4	19.6
7 20	18 34.83	−22 40.0	1.332	2.315	8.4	19.8
7 30	18 27.97	−22 41.3	1.375	2.307	12.9	20.1
8 9	18 23.93	−22 40.8	1.437	2.300	16.8	20.3

92165 1999 XW_{160} 7 3.3 266.°26 1.°4/ 3.6 18

5 31	19 12.41	−18 40.5	2.491	3.352	10.6	19.6
6 10	19 7.28	−18 33.8	2.402	3.339	7.9	19.4
6 20	19 0.56	−18 30.6	2.337	3.325	4.8	19.2
6 30	18 52.77	−18 30.3	2.299	3.312	1.8	18.9
7 10	18 44.65	−18 32.1	2.289	3.298	2.6	19.0
7 20	18 36.92	−18 35.4	2.307	3.284	5.8	19.2
7 30	18 30.33	−18 39.9	2.352	3.270	9.0	19.3
8 9	18 25.43	−18 45.2	2.420	3.256	11.7	19.5

444992 2008 FX_{121} 7 3.3 319.°51 6.°9/ 5.2 18

5 31	19 10.28	− 3 25.3	2.017	2.848	13.9	21.1
6 10	19 5.99	− 3 5.5	1.935	2.836	11.5	20.9
6 20	18 59.91	− 3 1.5	1.874	2.824	9.0	20.7
6 30	18 52.63	− 3 15.0	1.838	2.813	7.2	20.6
7 10	18 44.94	− 3 46.1	1.826	2.802	7.2	20.6
7 20	18 37.69	− 4 33.0	1.839	2.792	9.0	20.7
7 30	18 31.69	− 5 32.6	1.877	2.782	11.6	20.8
8 9	18 27.59	− 6 40.5	1.937	2.772	14.2	21.0

136588 1993 FF_{7} 7 3.3 23.°27 3.°7/ 2.6 18

5 31	19 17.24	−29 3.5	1.335	2.225	16.2	19.5
6 10	19 12.05	−29 46.5	1.277	2.228	12.1	19.3
6 20	19 3.84	−30 27.2	1.240	2.232	7.6	19.1
6 30	18 53.64	−30 59.8	1.226	2.236	3.9	18.9
7 10	18 42.95	−31 19.6	1.236	2.241	5.4	19.0
7 20	18 33.33	−31 25.1	1.270	2.246	9.7	19.2
7 30	18 26.16	−31 17.9	1.327	2.251	13.9	19.5
8 9	18 22.25	−31 1.4	1.402	2.257	17.6	19.7

431428 2007 LF_{34} 7 3.3 235.°84 0.°2/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 17.37	−17 32.0	1.875	2.738	13.5	20.8
6 10	19 11.52	−18 48.0	1.794	2.733	10.0	20.6
6 20	19 3.36	−20 15.2	1.736	2.727	6.0	20.3
6 30	18 53.54	−21 48.8	1.706	2.721	1.5	20.0
7 10	18 43.06	−23 23.2	1.704	2.715	3.0	20.1
7 20	18 33.04	−24 52.9	1.731	2.708	7.4	20.4
7 30	18 24.56	−26 14.0	1.784	2.702	11.4	20.6
8 9	18 18.46	−27 24.8	1.860	2.695	14.8	20.8

512382 2016 NN_{65} 7 3.3 135.°23 2.°5/ 2.5 18

5 31	19 16.24	−28 2.5	2.130	2.999	11.9	21.2
6 10	19 10.39	−28 50.1	2.063	3.004	8.8	21.1
6 20	19 2.50	−29 36.8	2.020	3.009	5.4	20.9
6 30	18 53.29	−30 18.7	2.004	3.014	2.7	20.7
7 10	18 43.71	−30 52.3	2.016	3.019	3.8	20.8
7 20	18 34.75	−31 16.0	2.055	3.023	7.1	21.0
7 30	18 27.34	−31 29.8	2.119	3.028	10.3	21.2
8 9	18 22.13	−31 35.3	2.206	3.032	13.1	21.4

522855 2016 NP_{86} 7 3.3 321.°87 1.°5/ 3.6 16

5 31	19 13.25	−18 45.4	1.511	2.394	15.0	21.4
6 10	19 8.83	−18 51.4	1.433	2.382	11.2	21.2
6 20	19 1.88	−19 4.5	1.376	2.369	6.9	20.9
6 30	18 53.18	−19 23.2	1.344	2.358	2.3	20.6
7 10	18 43.88	−19 45.3	1.336	2.346	3.6	20.6
7 20	18 35.23	−20 8.7	1.353	2.336	8.3	20.9
7 30	18 28.42	−20 31.8	1.393	2.325	12.8	21.1
8 9	18 24.31	−20 53.7	1.453	2.316	16.7	21.3

342359 2008 TB_{182} 7 3.3 262.°10 1.°3/ 2.8 18

5 31	19 16.04	−23 2.8	1.806	2.681	13.4	20.4
6 10	19 10.62	−24 0.2	1.731	2.676	9.9	20.2
6 20	19 2.84	−25 2.5	1.678	2.671	5.8	19.9
6 30	18 53.42	−26 5.3	1.651	2.666	1.8	19.6
7 10	18 43.42	−27 3.8	1.652	2.660	3.5	19.8
7 20	18 33.98	−27 54.4	1.679	2.655	7.7	20.0
7 30	18 26.23	−28 35.6	1.732	2.650	11.6	20.2
8 9	18 20.96	−29 7.5	1.805	2.645	15.0	20.4

184210 2004 PB_{107} 7 3.3 8.°17 10.°5/ 1.6 18

5 31	19 18.62	−46 51.8	1.597	2.449	16.0	18.6
6 10	19 13.30	−47 57.4	1.546	2.451	13.6	18.5
6 20	19 4.65	−48 44.9	1.514	2.454	11.5	18.4
6 30	18 53.86	−49 6.5	1.505	2.459	10.5	18.3
7 10	18 42.64	−48 58.0	1.517	2.464	11.0	18.4
7 20	18 32.74	−48 20.2	1.552	2.470	12.8	18.5
7 30	18 25.61	−47 18.4	1.607	2.477	15.1	18.6
8 9	18 22.02	−46 0.3	1.681	2.485	17.4	18.8

91951 1999 VS_{68} 7 3.3 242.°33 4.°9/ 1.4 18

5 31	19 16.27	−36 19.2	2.459	3.315	10.9	19.8
6 10	19 10.46	−37 21.5	2.384	3.310	8.5	19.7
6 20	19 2.60	−38 18.5	2.334	3.304	6.2	19.5
6 30	18 53.34	−39 5.3	2.310	3.298	5.0	19.4
7 10	18 43.61	−39 38.3	2.314	3.293	5.7	19.5
7 20	18 34.37	−39 56.1	2.345	3.287	7.9	19.6
7 30	18 26.57	−39 59.4	2.400	3.281	10.3	19.7
8 9	18 20.93	−39 50.7	2.478	3.275	12.6	19.9

519161 2010 NU_{102} 7 3.3 219.°73 1.°1/ 3.1 18

5 31	19 14.47	−26 39.0	2.457	3.322	10.6	21.3
6 10	19 8.80	−26 39.8	2.379	3.319	7.8	21.1
6 20	19 1.45	−26 38.9	2.325	3.316	4.7	20.9
6 30	18 53.03	−26 34.7	2.299	3.313	1.5	20.7
7 10	18 44.34	−26 26.1	2.301	3.310	2.7	20.8
7 20	18 36.20	−26 13.0	2.331	3.306	5.9	21.0
7 30	18 29.36	−25 56.1	2.388	3.303	9.0	21.2
8 9	18 24.38	−25 36.7	2.468	3.299	11.7	21.4

322285 2011 FL_{17} 7 3.3 8.°79 2.°6/ 3.9 17

5 31	19 13.51	−15 38.4	1.477	2.356	15.6	19.7
6 10	19 8.88	−15 48.6	1.412	2.356	11.7	19.4
6 20	19 1.83	−16 9.2	1.368	2.357	7.4	19.2
6 30	18 53.16	−16 39.1	1.347	2.359	3.3	18.9
7 10	18 44.06	−17 15.4	1.352	2.361	4.0	19.0
7 20	18 35.72	−17 55.3	1.382	2.364	8.3	19.2
7 30	18 29.27	−18 36.1	1.435	2.367	12.5	19.5
8 9	18 25.46	−19 15.6	1.508	2.370	16.2	19.7

256751 2008 BD_{32} 7 3.3 163.°92 0.°1/ 3.3 17

5 31	19 18.96	−21 51.4	1.856	2.724	13.4	22.0
6 10	19 12.47	−22 2.9	1.787	2.729	9.9	21.8
6 20	19 3.76	−22 17.1	1.742	2.733	5.8	21.6
6 30	18 53.63	−22 31.7	1.722	2.737	1.5	21.3
7 10	18 43.14	−22 44.6	1.730	2.741	3.0	21.4
7 20	18 33.40	−22 54.6	1.766	2.743	7.2	21.7
7 30	18 25.41	−23 1.4	1.826	2.746	11.0	21.9
8 9	18 19.85	−23 5.9	1.909	2.747	14.3	22.1

469201 2016 GN_{191} 7 3.3 9°.39 8°.1/ 4.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 13.08	− 7 3.6	1.304	2.170	18.0	20.4
6 10	19 8.68	− 6 10.2	1.244	2.170	14.5	20.2
6 20	19 1.74	− 5 34.2	1.204	2.172	11.0	20.0
6 30	18 53.14	− 5 19.3	1.185	2.174	8.4	19.8
7 10	18 44.13	− 5 26.4	1.189	2.176	8.6	19.9
7 20	18 35.96	− 5 53.8	1.215	2.180	11.3	20.0
7 30	18 29.81	− 6 37.7	1.263	2.184	14.8	20.2
8 9	18 26.43	− 7 32.3	1.329	2.188	18.2	20.5

315617 2008 CW_{194} 7 3.3 324°.83 4°.7/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 11.21	− 9 14.7	2.047	2.897	13.0	20.3
6 10	19 6.63	− 9 2.3	1.970	2.891	10.3	20.1
6 20	19 0.28	− 9 1.3	1.915	2.885	7.3	19.9
6 30	18 52.76	− 9 12.6	1.885	2.880	5.1	19.8
7 10	18 44.89	− 9 35.5	1.881	2.875	5.2	19.8
7 20	18 37.50	−10 8.4	1.903	2.870	7.6	19.9
7 30	18 31.40	−10 48.9	1.950	2.865	10.6	20.1
8 9	18 27.21	−11 34.3	2.019	2.861	13.5	20.3

330656 2008 FW_{125} 7 3.3 62°.94 1°.0/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 18.00	−24 18.9	1.425	2.310	15.7	21.0
6 10	19 12.17	−24 35.9	1.374	2.324	11.5	20.8
6 20	19 3.71	−24 54.1	1.344	2.338	6.8	20.6
6 30	18 53.62	−25 10.1	1.338	2.353	1.9	20.3
7 10	18 43.27	−25 21.1	1.357	2.367	3.6	20.5
7 20	18 34.02	−25 25.9	1.401	2.382	8.4	20.8
7 30	18 27.00	−25 25.3	1.469	2.397	12.6	21.1
8 9	18 22.90	−25 20.7	1.557	2.412	16.2	21.3

171951 2001 SS_{328} 7 3.3 291°.17 1°.4/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 14.59	−25 29.1	1.986	2.860	12.4	20.1
6 10	19 9.33	−25 53.8	1.908	2.853	9.1	19.9
6 20	19 1.97	−26 19.2	1.854	2.846	5.5	19.7
6 30	18 53.20	−26 42.2	1.826	2.840	1.8	19.4
7 10	18 44.00	−27 0.4	1.824	2.833	3.2	19.5
7 20	18 35.38	−27 12.3	1.850	2.826	7.1	19.7
7 30	18 28.31	−27 17.8	1.901	2.820	10.7	19.9
8 9	18 23.50	−27 18.0	1.973	2.814	13.8	20.1

6212 Franzthaler 7 3.3 50°.09 7°.2/ 4.0 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.85	− 9 19.2	1.390	2.254	17.2	16.2
6 10	19 10.42	− 8 11.5	1.339	2.266	13.6	16.0
6 20	19 2.60	− 7 17.8	1.308	2.279	10.0	15.8
6 30	18 53.33	− 6 41.4	1.300	2.292	7.4	15.7
7 10	18 43.85	− 6 23.9	1.316	2.305	7.8	15.8
7 20	18 35.36	− 6 24.7	1.356	2.319	10.5	16.0
7 30	18 28.89	− 6 41.1	1.418	2.333	13.9	16.2
8 9	18 25.08	− 7 9.1	1.499	2.347	17.0	16.4

340524 2006 JL_{34} 7 3.3 296°.95 2°.9/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 13.79	−15 48.6	1.794	2.663	13.7	20.9
6 10	19 8.80	−15 33.6	1.714	2.653	10.4	20.7
6 20	19 1.69	−15 25.6	1.657	2.644	6.7	20.4
6 30	18 53.14	−15 24.7	1.625	2.634	3.3	20.2
7 10	18 44.14	−15 30.2	1.619	2.625	4.0	20.2
7 20	18 35.72	−15 41.2	1.638	2.616	7.7	20.4
7 30	18 28.86	−15 56.5	1.683	2.607	11.5	20.6
8 9	18 24.28	−16 14.7	1.748	2.598	14.9	20.8

102408 1999 TM_{175} 7 3.3 11°.13 5°.1/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 13.74	−13 54.6	1.166	2.055	18.1	19.1
6 10	19 9.43	−13 13.4	1.109	2.056	13.9	18.9
6 20	19 2.28	−12 43.8	1.071	2.058	9.3	18.6
6 30	18 53.30	−12 27.7	1.055	2.061	5.6	18.4
7 10	18 43.89	−12 25.5	1.061	2.065	6.2	18.5
7 20	18 35.50	−12 35.9	1.090	2.070	10.3	18.7
7 30	18 29.40	−12 56.6	1.140	2.076	14.7	19.0
8 9	18 26.37	−13 24.2	1.208	2.082	18.7	19.3

35330 1997 EN_{35} 7 3.3 81°.87 0°.7/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 14.13	−20 2.6	2.200	3.066	11.7	19.8
6 10	19 8.54	−20 13.3	2.143	3.083	8.6	19.6
6 20	19 1.27	−20 27.6	2.109	3.100	5.1	19.4
6 30	18 52.99	−20 43.7	2.103	3.117	1.5	19.2
7 10	18 44.54	−21 0.2	2.124	3.135	2.5	19.3
7 20	18 36.75	−21 15.8	2.173	3.151	6.0	19.6
7 30	18 30.34	−21 29.9	2.248	3.168	9.2	19.8
8 9	18 25.86	−21 42.3	2.346	3.185	12.0	20.0

317816 2003 SH_{263} 7 3.3 328°.21 1°.0/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 12.11	−19 21.4	1.109	2.011	17.8	20.4
6 10	19 8.81	−19 41.3	1.035	1.994	13.4	20.0
6 20	19 2.29	−20 11.6	0.980	1.977	8.1	19.7
6 30	18 53.40	−20 49.7	0.946	1.962	2.4	19.3
7 10	18 43.59	−21 31.5	0.935	1.947	4.1	19.4
7 20	18 34.53	−22 12.7	0.946	1.933	10.1	19.7
7 30	18 27.85	−22 50.5	0.976	1.921	15.6	19.9
8 9	18 24.69	−23 23.3	1.025	1.910	20.3	20.2

85288 1994 PC_{30} 7 3.3 248°.84 3°.0/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 16.62	−15 27.9	1.819	2.682	13.9	20.2
6 10	19 10.94	−15 12.9	1.733	2.668	10.6	20.0
6 20	19 3.00	−15 5.1	1.668	2.653	6.8	19.7
6 30	18 53.51	−15 4.3	1.629	2.638	3.5	19.5
7 10	18 43.45	−15 10.0	1.617	2.622	4.1	19.5
7 20	18 33.92	−15 21.3	1.631	2.606	7.9	19.7
7 30	18 25.97	−15 36.9	1.670	2.590	11.8	19.9
8 9	18 20.37	−15 55.8	1.730	2.573	15.3	20.1

476281 2007 VL_{222} 7 3.3 314°.89 4°.6/ 4.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 12.61	−11 53.7	1.727	2.591	14.4	21.2
6 10	19 7.99	−11 29.0	1.648	2.580	11.2	20.9
6 20	19 1.25	−11 14.6	1.590	2.569	7.7	20.7
6 30	18 53.06	−11 11.6	1.557	2.559	5.0	20.5
7 10	18 44.39	−11 20.0	1.549	2.549	5.3	20.5
7 20	18 36.29	−11 38.6	1.566	2.539	8.5	20.7
7 30	18 29.74	−12 5.6	1.608	2.530	12.1	20.9
8 9	18 25.47	−12 38.3	1.670	2.521	15.4	21.1

441967 2010 MB_{49} 7 3.3 287°.49 2°.6/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 12.27	−14 59.7	2.196	3.056	11.9	21.5
6 10	19 7.43	−14 54.8	2.105	3.039	9.0	21.2
6 20	19 0.80	−14 56.8	2.037	3.021	5.9	21.0
6 30	18 52.94	−15 5.5	1.995	3.004	3.0	20.8
7 10	18 44.64	−15 20.0	1.980	2.986	3.5	20.8
7 20	18 36.74	−15 39.3	1.993	2.968	6.7	21.0
7 30	18 30.05	−16 2.0	2.031	2.951	10.1	21.1
8 9	18 25.24	−16 26.8	2.091	2.933	13.1	21.3

513016 2017 UX_{48} 7 3.3 184°.42 0°.4/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.02	−19 48.2	2.156	3.019	12.0	22.0
6 10	19 10.16	−20 16.0	2.080	3.019	8.8	21.8
6 20	19 2.38	−20 48.5	2.028	3.019	5.3	21.6
6 30	18 53.34	−21 23.6	2.003	3.018	1.4	21.3
7 10	18 43.91	−21 58.7	2.006	3.017	2.6	21.4
7 20	18 35.01	−22 31.6	2.038	3.015	6.4	21.6
7 30	18 27.51	−23 1.2	2.095	3.013	9.9	21.8
8 9	18 22.07	−23 27.1	2.176	3.011	12.9	22.0

345888 2007 RK_{71} 7 3.3 255°.63 3°.9/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 14.11	−10 26.2	2.348	3.189	11.9	21.4
6 10	19 8.70	−10 21.5	2.249	3.168	9.3	21.2
6 20	19 1.54	−10 26.4	2.174	3.146	6.5	21.0
6 30	18 53.14	−10 41.3	2.125	3.124	4.2	20.8
7 10	18 44.26	−11 5.5	2.104	3.101	4.5	20.8
7 20	18 35.69	−11 37.7	2.111	3.078	7.0	20.9
7 30	18 28.23	−12 16.0	2.143	3.054	10.1	21.0
8 9	18 22.55	−12 58.2	2.199	3.029	13.0	21.2

250947 2005 YB_{287} 7 3.3 249°.57 8°.3/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 22.12	−49 3.8	2.704	3.513	11.4	20.4
6 10	19 15.18	−50 24.0	2.628	3.499	9.9	20.3
6 20	19 5.64	−51 32.6	2.576	3.485	8.7	20.2
6 30	18 54.22	−52 23.1	2.549	3.471	8.3	20.1
7 10	18 42.04	−52 51.6	2.547	3.456	8.8	20.1
7 20	18 30.38	−52 56.7	2.570	3.441	10.1	20.2
7 30	18 20.49	−52 40.4	2.615	3.425	11.7	20.3
8 9	18 13.26	−52 7.2	2.680	3.410	13.4	20.4

435656 2008 SC_{270} 7 3.3 328°.97 2°.8/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 13.56	−20 43.9	1.258	2.153	16.6	19.8
6 10	19 9.55	−19 42.5	1.174	2.129	12.6	19.4
6 20	19 2.57	−18 39.8	1.111	2.105	7.9	19.1
6 30	18 53.47	−17 37.6	1.070	2.083	3.3	18.8
7 10	18 43.62	−16 38.2	1.053	2.062	4.8	18.8
7 20	18 34.50	−15 44.7	1.059	2.042	10.0	19.0
7 30	18 27.57	−14 59.9	1.086	2.023	15.1	19.2
8 9	18 23.81	−14 25.0	1.131	2.006	19.6	19.5

92244 2000 AR_{148} 7 3.3 293°.77 1°.2/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 13.88	−23 6.3	2.203	3.072	11.5	19.0
6 10	19 8.78	−24 6.4	2.115	3.058	8.5	18.7
6 20	19 1.70	−25 11.2	2.053	3.045	5.0	18.5
6 30	18 53.21	−26 16.9	2.017	3.031	1.6	18.2
7 10	18 44.16	−27 19.6	2.010	3.018	3.1	18.3
7 20	18 35.47	−28 15.8	2.030	3.004	6.7	18.5
7 30	18 28.08	−29 3.7	2.077	2.991	10.2	18.7
8 9	18 22.71	−29 43.0	2.146	2.978	13.2	18.9

341202 2007 RP_{83} 7 3.3 254°.86 5°.6/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 13.33	− 6 33.3	2.162	2.996	13.0	21.0
6 10	19 8.19	− 6 15.6	2.073	2.981	10.5	20.8
6 20	19 1.26	− 6 10.3	2.005	2.965	7.9	20.6
6 30	18 53.08	− 6 18.9	1.964	2.950	5.9	20.5
7 10	18 44.46	− 6 41.2	1.948	2.934	6.0	20.5
7 20	18 36.22	− 7 15.9	1.959	2.917	8.1	20.6
7 30	18 29.20	− 8 0.6	1.996	2.901	11.0	20.7
8 9	18 24.04	− 8 52.2	2.054	2.884	13.7	20.9

391082 2005 UT_{213} 7 3.3 330°.41 9°.4/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 18.33	−43 27.6	1.817	2.670	14.3	19.7
6 10	19 13.10	−45 12.3	1.749	2.659	12.0	19.6
6 20	19 4.74	−46 46.6	1.703	2.648	10.1	19.4
6 30	18 54.05	−48 1.3	1.681	2.637	9.4	19.4
7 10	18 42.42	−48 49.9	1.683	2.627	10.3	19.4
7 20	18 31.49	−49 9.8	1.708	2.617	12.3	19.5
7 30	18 22.81	−49 3.2	1.754	2.608	14.7	19.6
8 9	18 17.47	−48 35.8	1.819	2.600	17.1	19.8

108380 2001 KZ_{20} 7 3.3 10°.81 3°.3/ 4.0 18

5 31	19 12.39	−14 30.5	1.554	2.430	15.1	19.5
6 10	19 7.94	−14 25.5	1.490	2.432	11.4	19.3
6 20	19 1.24	−14 30.9	1.447	2.434	7.4	19.1
6 30	18 53.08	−14 46.1	1.428	2.437	3.9	18.9
7 10	18 44.54	−15 9.6	1.434	2.441	4.4	18.9
7 20	18 36.75	−15 39.3	1.465	2.445	8.2	19.1
7 30	18 30.71	−16 12.7	1.519	2.450	12.1	19.4
8 9	18 27.13	−16 47.5	1.594	2.455	15.6	19.6

206649 2003 YD_{18} 7 3.3 203°.36 0°.4/ 3.3 18

5 31	19 16.22	−24 11.4	2.472	3.333	10.7	20.7
6 10	19 10.10	−24 11.1	2.390	3.328	7.9	20.5
6 20	19 2.26	−24 10.7	2.333	3.323	4.7	20.2
6 30	18 53.32	−24 8.6	2.303	3.318	1.2	20.0
7 10	18 44.08	−24 3.8	2.302	3.312	2.4	20.1
7 20	18 35.36	−23 55.9	2.330	3.306	5.9	20.3
7 30	18 27.92	−23 45.5	2.385	3.299	9.0	20.5
8 9	18 22.35	−23 33.4	2.463	3.292	11.8	20.7

434678 2006 BE_{8} 7 3.3 197°.28 1°.9/ 3.8 17

5 31	19 15.67	−16 28.6	2.126	2.984	12.3	22.2
6 10	19 9.90	−16 35.8	2.047	2.982	9.2	22.0
6 20	19 2.24	−16 49.4	1.993	2.979	5.8	21.8
6 30	18 53.34	−17 8.4	1.964	2.976	2.5	21.6
7 10	18 44.06	−17 31.2	1.964	2.972	3.1	21.6
7 20	18 35.31	−17 56.3	1.991	2.968	6.6	21.9
7 30	18 27.93	−18 22.2	2.044	2.963	10.1	22.1
8 9	18 22.58	−18 47.9	2.120	2.958	13.1	22.3

475180 2005 UQ_{475} 7 3.3 349°.04 4°.0/ 1.9 18

5 31	19 15.38	−32 16.4	2.186	3.054	11.7	21.1
6 10	19 9.90	−33 13.2	2.116	3.053	8.8	21.0
6 20	19 2.34	−34 6.6	2.070	3.052	6.0	20.8
6 30	18 53.38	−34 52.0	2.051	3.052	4.1	20.7
7 10	18 43.98	−35 25.9	2.058	3.052	5.0	20.7
7 20	18 35.16	−35 46.5	2.093	3.051	7.7	20.9
7 30	18 27.87	−35 54.3	2.152	3.051	10.6	21.1
8 9	18 22.82	−35 51.5	2.233	3.051	13.2	21.2

166696 2002 TG_{165} 7 3.3 289°.52 0°.2/ 3.3 18

5 31	19 14.76	−21 18.3	1.920	2.792	12.8	19.8
6 10	19 9.71	−21 52.0	1.824	2.768	9.5	19.5
6 20	19 2.41	−22 31.5	1.751	2.744	5.7	19.3
6 30	18 53.44	−23 13.8	1.704	2.719	1.4	18.9
7 10	18 43.76	−23 55.7	1.684	2.695	3.0	19.0
7 20	18 34.45	−24 34.4	1.691	2.670	7.4	19.2
7 30	18 26.59	−25 8.0	1.723	2.645	11.4	19.4
8 9	18 21.03	−25 36.2	1.777	2.621	15.0	19.6

192845 1999 VX_{154} 7 3.3 269°.53 0°.3/ 3.3 18

5 31	19 16.37	−23 8.5	1.959	2.829	12.7	20.7
6 10	19 10.78	−23 17.1	1.866	2.809	9.4	20.4
6 20	19 2.96	−23 27.6	1.797	2.789	5.6	20.2
6 30	18 53.56	−23 37.7	1.754	2.769	1.4	19.8
7 10	18 43.57	−23 45.5	1.738	2.748	3.0	19.9
7 20	18 34.06	−23 49.8	1.749	2.727	7.2	20.1
7 30	18 26.07	−23 50.6	1.785	2.706	11.2	20.3
8 9	18 20.40	−23 48.7	1.843	2.684	14.6	20.5

161261 2003 FS_{26} 7 3.3 55°.82 0°.8/ 3.1 18

5 31	19 14.19	−24 29.1	2.134	3.005	11.8	20.2
6 10	19 8.84	−24 45.2	2.063	3.006	8.6	20.0
6 20	19 1.62	−25 2.0	2.015	3.008	5.1	19.7
6 30	18 53.18	−25 17.2	1.994	3.009	1.5	19.5
7 10	18 44.44	−25 29.0	2.001	3.011	2.8	19.6
7 20	18 36.29	−25 36.4	2.035	3.012	6.4	19.8
7 30	18 29.59	−25 39.2	2.094	3.014	9.8	20.0
8 9	18 24.95	−25 38.4	2.176	3.015	12.7	20.2

308530 2005 UP_{110} 7 3.3 148°.50 1°.8/ 2.8 18

5 31	19 14.34	−28 11.8	2.659	3.521	10.0	21.6
6 10	19 8.65	−28 35.3	2.589	3.527	7.4	21.4
6 20	19 1.38	−28 57.1	2.544	3.532	4.5	21.3
6 30	18 53.11	−29 14.8	2.526	3.537	2.0	21.1
7 10	18 44.60	−29 26.6	2.537	3.542	3.0	21.2
7 20	18 36.61	−29 31.8	2.576	3.546	5.7	21.4
7 30	18 29.83	−29 30.7	2.642	3.551	8.5	21.5
8 9	18 24.81	−29 24.5	2.731	3.555	10.9	21.7

423797 2006 HT_{40} 7 3.3 62°.18 3°.1/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 15.38	−13 2.3	1.657	2.521	14.9	20.9
6 10	19 9.83	−13 21.7	1.608	2.543	11.2	20.8
6 20	19 2.21	−13 52.7	1.581	2.565	7.2	20.6
6 30	18 53.33	−14 33.5	1.579	2.588	3.7	20.4
7 10	18 44.26	−15 21.0	1.604	2.610	4.1	20.5
7 20	18 36.05	−16 12.0	1.654	2.632	7.6	20.7
7 30	18 29.59	−17 3.5	1.729	2.655	11.2	21.0
8 9	18 25.49	−17 53.0	1.826	2.677	14.3	21.3

448334 2009 EG_{30} 7 3.3 243°.28 19°.9/29.7 17

5 31	19 42.17	−58 54.4	1.141	1.954	23.4	20.6
6 10	19 34.62	−61 6.0	1.096	1.949	21.7	20.5
6 20	19 19.32	−62 46.0	1.065	1.945	20.4	20.4
6 30	18 57.99	−63 34.3	1.051	1.939	19.9	20.3
7 10	18 35.03	−63 18.8	1.053	1.934	20.5	20.4
7 20	18 15.53	−62 1.2	1.071	1.928	21.9	20.4
7 30	18 2.99	−59 56.1	1.104	1.923	23.8	20.6
8 9	17 58.20	−57 22.4	1.151	1.917	25.8	20.7

510844 2013 CM_{47} 7 3.3 170°.46 1°.0/ 3.0 18

5 31	19 14.54	−25 1.3	2.584	3.447	10.2	22.5
6 10	19 8.85	−25 27.7	2.510	3.450	7.5	22.3
6 20	19 1.54	−25 54.6	2.461	3.452	4.5	22.1
6 30	18 53.18	−26 19.5	2.440	3.454	1.4	21.9
7 10	18 44.55	−26 40.6	2.447	3.456	2.6	22.0
7 20	18 36.39	−26 56.7	2.483	3.457	5.7	22.2
7 30	18 29.44	−27 7.6	2.546	3.458	8.6	22.4
8 9	18 24.25	−27 13.8	2.632	3.458	11.2	22.6

255357 2005 WJ_{94} 7 3.3 260°.53 0°.3/ 3.4 18

5 31	19 13.45	−21 26.4	2.551	3.413	10.4	22.0
6 10	19 8.15	−21 35.0	2.457	3.396	7.7	21.8
6 20	19 1.19	−21 45.9	2.387	3.378	4.6	21.5
6 30	18 53.12	−21 57.9	2.345	3.360	1.2	21.3
7 10	18 44.64	−22 9.4	2.331	3.341	2.3	21.3
7 20	18 36.52	−22 19.6	2.345	3.323	5.7	21.5
7 30	18 29.52	−22 27.9	2.387	3.304	8.9	21.7
8 9	18 24.23	−22 34.5	2.451	3.284	11.7	21.8

107251 2001 BN_{59} 7 3.3 170°.44 1°.2/ 3.5 17

5 31	19 19.19	−19 40.9	1.882	2.746	13.4	20.8
6 10	19 12.64	−19 38.7	1.811	2.750	10.0	20.6
6 20	19 3.92	−19 40.3	1.763	2.753	6.0	20.4
6 30	18 53.80	−19 44.3	1.742	2.756	1.9	20.1
7 10	18 43.35	−19 49.4	1.748	2.758	3.1	20.2
7 20	18 33.62	−19 54.7	1.782	2.759	7.2	20.5
7 30	18 25.58	−19 59.9	1.841	2.760	11.0	20.7
8 9	18 19.92	−20 5.0	1.922	2.760	14.2	20.9

255422 2005 XP_{58} 7 3.3 114°.96 0°.0/ 3.3 18

5 31	19 13.45	−22 41.7	2.494	3.359	10.5	21.2
6 10	19 8.01	−22 50.8	2.427	3.367	7.7	21.0
6 20	19 1.01	−23 1.2	2.383	3.375	4.5	20.8
6 30	18 53.05	−23 11.4	2.368	3.383	1.1	20.6
7 10	18 44.87	−23 20.1	2.380	3.390	2.3	20.7
7 20	18 37.24	−23 26.6	2.421	3.398	5.6	20.9
7 30	18 30.83	−23 30.6	2.488	3.406	8.6	21.1
8 9	18 26.16	−23 32.6	2.579	3.413	11.1	21.3

476371 2008 CY_{33} 7 3.3 180°.25 0°.4/ 3.5 18

5 31	19 13.83	−20 39.4	2.392	3.255	10.9	22.2
6 10	19 8.39	−20 53.2	2.316	3.256	8.1	22.1
6 20	19 1.30	−21 10.1	2.265	3.256	4.8	21.8
6 30	18 53.14	−21 28.6	2.241	3.256	1.3	21.6
7 10	18 44.68	−21 47.0	2.246	3.256	2.4	21.7
7 20	18 36.71	−22 4.0	2.278	3.256	5.8	21.9
7 30	18 29.98	−22 19.1	2.337	3.255	9.0	22.1
8 9	18 25.06	−22 32.1	2.419	3.254	11.7	22.3

415068 2012 BL_{56} 7 3.3 125°.86 1°.4/ 3.1 17

5 31	19 19.82	−24 56.9	1.600	2.476	14.7	21.6
6 10	19 13.46	−25 23.4	1.540	2.485	10.8	21.4
6 20	19 4.54	−25 50.7	1.501	2.494	6.4	21.2
6 30	18 53.98	−26 15.0	1.488	2.503	2.0	20.9
7 10	18 43.06	−26 33.1	1.502	2.511	3.6	21.0
7 20	18 33.07	−26 43.5	1.541	2.519	8.1	21.3
7 30	18 25.16	−26 46.8	1.605	2.526	12.1	21.6
8 9	18 20.06	−26 44.7	1.689	2.533	15.6	21.8

371552 2006 VT_{16} 7 3.3 151°.03 0°.0/ 3.4 17

5 31	19 18.87	−22 12.7	1.909	2.776	13.1	21.9
6 10	19 12.37	−22 19.1	1.843	2.784	9.7	21.7
6 20	19 3.74	−22 27.6	1.800	2.791	5.7	21.5
6 30	18 53.76	−22 36.0	1.783	2.798	1.5	21.2
7 10	18 43.49	−22 42.6	1.794	2.804	2.9	21.3
7 20	18 33.98	−22 46.5	1.832	2.810	7.0	21.6
7 30	18 26.18	−22 47.9	1.896	2.815	10.7	21.8
8 9	18 20.73	−22 47.5	1.982	2.819	13.9	22.0

17061 Tegler 7 3.3 149°.29 0°.8/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 17.21	−19 30.2	2.020	2.883	12.7	19.3
6 10	19 11.06	−19 46.2	1.953	2.891	9.3	19.1
6 20	19 2.94	−20 6.7	1.909	2.899	5.6	18.9
6 30	18 53.56	−20 29.8	1.891	2.906	1.7	18.6
7 10	18 43.88	−20 53.4	1.902	2.912	2.8	18.7
7 20	18 34.85	−21 15.9	1.940	2.918	6.7	19.0
7 30	18 27.36	−21 36.2	2.004	2.923	10.2	19.2
8 9	18 22.04	−21 54.3	2.091	2.928	13.3	19.4

468147 2014 WD_{28} 7 3.3 172°.17 1°.6/ 2.9 17

5 31	19 20.04	−25 25.4	1.741	2.613	14.0	21.8
6 10	19 13.57	−25 56.5	1.672	2.616	10.3	21.6
6 20	19 4.62	−26 28.4	1.626	2.618	6.2	21.3
6 30	18 54.02	−26 57.0	1.606	2.620	2.1	21.1
7 10	18 42.97	−27 19.0	1.613	2.621	3.6	21.2
7 20	18 32.70	−27 32.8	1.646	2.622	7.9	21.4
7 30	18 24.36	−27 38.7	1.704	2.622	11.8	21.7
8 9	18 18.71	−27 38.3	1.784	2.622	15.2	21.9

71201 1999 XL_{239} 7 3.3 336°.19 0°.5/ 3.3 18

5 31	19 17.21	−24 59.2	1.467	2.351	15.3	18.3
6 10	19 11.77	−24 6.7	1.391	2.341	11.4	18.1
6 20	19 3.65	−23 10.0	1.337	2.331	6.8	17.8
6 30	18 53.78	−22 9.1	1.307	2.323	1.8	17.4
7 10	18 43.48	−21 5.5	1.303	2.314	3.5	17.5
7 20	18 34.10	−20 2.3	1.324	2.307	8.5	17.8
7 30	18 26.85	−19 2.7	1.369	2.300	13.1	18.1
8 9	18 22.50	−18 9.6	1.434	2.294	17.0	18.3

121354 1999 TX_{47} 7 3.3 352°.69 3°.2/ 2.6 18

5 31	19 13.75	−29 43.5	1.782	2.663	13.2	19.4
6 10	19 9.01	−30 17.8	1.713	2.659	9.9	19.1
6 20	19 1.95	−30 49.6	1.666	2.656	6.3	18.9
6 30	18 53.35	−31 14.7	1.644	2.653	3.4	18.7
7 10	18 44.31	−31 30.0	1.648	2.651	4.5	18.8
7 20	18 35.98	−31 34.3	1.677	2.649	8.0	19.0
7 30	18 29.44	−31 28.2	1.730	2.648	11.6	19.2
8 9	18 25.41	−31 14.1	1.804	2.648	14.8	19.4

142030 2002 QG_{6} 7 3.3 289°.64 4°.5/ 3.6 18

5 31	19 28.26	−35 55.0	1.620	2.480	15.4	18.9
6 10	19 20.39	−35 31.4	1.514	2.446	12.1	18.6
6 20	19 9.07	−34 52.8	1.430	2.411	8.2	18.3
6 30	18 55.24	−33 53.7	1.371	2.376	4.9	18.0
7 10	18 40.49	−32 31.7	1.339	2.341	5.7	17.9
7 20	18 26.61	−30 49.7	1.334	2.305	9.9	18.1
7 30	18 15.24	−28 55.0	1.355	2.268	14.5	18.3
8 9	18 7.44	−26 56.9	1.397	2.232	18.7	18.4

246579 2008 UX_{31} 7 3.3 227°.55 1°.0/ 3.5 17

5 31	19 18.68	−19 50.8	1.359	2.241	16.5	21.4
6 10	19 13.07	−19 59.7	1.290	2.238	12.3	21.1
6 20	19 4.56	−20 15.2	1.241	2.234	7.4	20.9
6 30	18 54.05	−20 34.8	1.216	2.231	2.2	20.5
7 10	18 42.94	−20 55.5	1.216	2.227	3.7	20.6
7 20	18 32.70	−21 15.3	1.241	2.223	9.0	20.9
7 30	18 24.68	−21 33.1	1.288	2.219	13.8	21.2
8 9	18 19.77	−21 48.8	1.355	2.215	17.8	21.4

225903 2002 AH_{24} 7 3.3 271°.28 3°.6/ 2.3 18

5 31	19 18.09	−29 16.1	1.780	2.654	13.6	19.9
6 10	19 12.49	−30 13.3	1.695	2.637	10.2	19.6
6 20	19 4.22	−31 10.5	1.632	2.620	6.6	19.4
6 30	18 54.00	−32 2.2	1.594	2.602	3.8	19.1
7 10	18 42.98	−32 43.2	1.583	2.584	5.1	19.2
7 20	18 32.48	−33 10.5	1.598	2.566	8.8	19.4
7 30	18 23.80	−33 23.9	1.638	2.547	12.7	19.6
8 9	18 17.87	−33 25.7	1.697	2.529	16.1	19.7

233382 2006 DE_{217} 7 3.3 43°.41 1°.5/ 3.1 17

5 31	19 16.60	−26 6.9	1.678	2.558	14.0	20.7
6 10	19 11.04	−26 21.4	1.614	2.562	10.3	20.4
6 20	19 3.11	−26 35.3	1.573	2.566	6.2	20.2
6 30	18 53.65	−26 45.4	1.556	2.570	2.1	20.0
7 10	18 43.84	−26 49.6	1.565	2.575	3.5	20.1
7 20	18 34.88	−26 46.9	1.601	2.579	7.7	20.3
7 30	18 27.82	−26 38.4	1.660	2.584	11.7	20.6
8 9	18 23.37	−26 25.8	1.740	2.589	15.0	20.8

467845 2010 VR_{14} 7 3.3 334°.12 19°.7/17.1 17

5 31	19 14.82	−48 9.9	0.941	1.828	21.6	19.0
6 10	19 14.16	−52 41.7	0.883	1.798	20.1	18.8
6 20	19 7.81	−57 6.1	0.845	1.770	19.8	18.7
6 30	18 55.51	−60 56.1	0.826	1.744	21.0	18.6
7 10	18 38.95	−63 47.8	0.824	1.720	23.3	18.7
7 20	18 22.07	−65 29.4	0.836	1.697	26.2	18.7
7 30	18 10.10	−66 4.6	0.860	1.677	29.0	18.9
8 9	18 6.72	−65 47.5	0.892	1.660	31.5	19.0

141256 2001 YO_{14} 7 3.3 2°.48 1°.6/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 14.23	−24 54.8	1.947	2.822	12.5	19.5
6 10	19 9.15	−25 41.7	1.876	2.822	9.2	19.3
6 20	19 1.97	−26 30.8	1.830	2.822	5.5	19.1
6 30	18 53.37	−27 18.1	1.809	2.822	2.0	18.9
7 10	18 44.34	−28 0.1	1.815	2.823	3.4	19.0
7 20	18 35.91	−28 34.3	1.848	2.823	7.2	19.2
7 30	18 29.03	−28 59.9	1.906	2.824	10.7	19.4
8 9	18 24.42	−29 17.6	1.986	2.825	13.8	19.6

136885 1998 GO_{2} 7 3.3 55°.68 0°.0/ 3.2 18

5 31	19 18.12	−19 31.1	1.215	2.104	17.5	18.9
6 10	19 12.62	−20 30.4	1.172	2.123	12.9	18.6
6 20	19 4.20	−21 38.6	1.148	2.143	7.5	18.4
6 30	18 53.94	−22 49.9	1.148	2.163	1.9	18.1
7 10	18 43.36	−23 57.7	1.172	2.183	3.8	18.3
7 20	18 33.96	−24 57.2	1.221	2.204	9.0	18.7
7 30	18 27.03	−25 46.3	1.292	2.224	13.6	19.0
8 9	18 23.30	−26 24.9	1.382	2.245	17.4	19.3

476531 2008 GX_{129} 7 3.3 244°.89 10°.2/28.3 18

5 31	19 25.16	−52 31.2	2.399	3.198	12.9	21.1
6 10	19 18.05	−54 15.8	2.340	3.194	11.5	21.0
6 20	19 7.69	−55 45.2	2.303	3.190	10.5	20.9
6 30	18 54.93	−56 51.8	2.290	3.185	10.2	20.9
7 10	18 41.19	−57 30.3	2.301	3.181	10.8	20.9
7 20	18 28.14	−57 39.7	2.335	3.177	12.0	21.0
7 30	18 17.38	−57 23.0	2.389	3.172	13.5	21.1
8 9	18 10.00	−56 46.1	2.461	3.168	15.0	21.2

140144 2001 SM_{159} 7 3.3 192°.98 0°.6/ 3.5 18

5 31	19 14.52	−20 48.2	2.353	3.216	11.1	20.6
6 10	19 8.93	−20 47.2	2.276	3.215	8.2	20.4
6 20	19 1.65	−20 48.7	2.223	3.213	4.9	20.2
6 30	18 53.28	−20 51.4	2.197	3.212	1.4	19.9
7 10	18 44.63	−20 54.4	2.200	3.210	2.5	20.0
7 20	18 36.49	−20 56.9	2.230	3.208	5.9	20.2
7 30	18 29.63	−20 58.8	2.287	3.205	9.2	20.4
8 9	18 24.62	−21 0.1	2.367	3.203	12.0	20.6

379239 2009 SE_{300} 7 3.3 244°.52 1°.1/ 3.6 17

5 31	19 16.49	−19 22.3	1.900	2.767	13.1	21.7
6 10	19 10.85	−19 29.9	1.815	2.756	9.8	21.4
6 20	19 3.02	−19 42.6	1.753	2.744	5.9	21.2
6 30	18 53.68	−19 58.8	1.717	2.731	1.9	20.9
7 10	18 43.80	−20 16.4	1.708	2.719	3.0	20.9
7 20	18 34.45	−20 34.0	1.726	2.705	7.2	21.2
7 30	18 26.66	−20 50.7	1.770	2.692	11.2	21.4
8 9	18 21.16	−21 6.1	1.835	2.678	14.6	21.6

256531 2007 FR_{23} 7 3.3 188°.39 8°.4/30.3 18

5 31	19 25.28	−54 15.1	3.088	3.865	10.8	21.4
6 10	19 17.26	−55 15.8	3.027	3.864	9.6	21.3
6 20	19 6.76	−56 2.1	2.987	3.862	8.7	21.2
6 30	18 54.61	−56 28.9	2.972	3.861	8.4	21.2
7 10	18 41.99	−56 33.5	2.981	3.858	8.7	21.2
7 20	18 30.17	−56 15.8	3.014	3.856	9.6	21.3
7 30	18 20.26	−55 38.6	3.070	3.853	10.8	21.3
8 9	18 13.04	−54 46.3	3.146	3.849	12.0	21.4

284649 2007 WO_{63} 7 3.3 301°.09 0°.9/ 3.3 18

5 31	19 17.87	−23 22.2	1.772	2.645	13.7	20.0
6 10	19 12.03	−22 35.4	1.679	2.623	10.2	19.8
6 20	19 3.77	−21 45.7	1.609	2.601	6.2	19.5
6 30	18 53.87	−20 53.1	1.565	2.579	1.8	19.2
7 10	18 43.43	−19 58.6	1.548	2.558	3.3	19.2
7 20	18 33.61	−19 4.1	1.557	2.537	7.8	19.4
7 30	18 25.55	−18 12.4	1.592	2.516	12.1	19.6
8 9	18 20.02	−17 25.7	1.648	2.495	15.8	19.8

171786 2001 BF_{83} 7 3.3 119°.80 2°.0/ 3.2 18

5 31	19 21.79	−28 11.8	1.615	2.488	14.8	20.6
6 10	19 14.85	−28 14.8	1.556	2.499	10.9	20.4
6 20	19 5.33	−28 14.0	1.519	2.510	6.6	20.2
6 30	18 54.23	−28 6.4	1.507	2.520	2.6	20.0
7 10	18 42.88	−27 50.3	1.522	2.530	3.9	20.1
7 20	18 32.62	−27 26.2	1.563	2.539	8.1	20.4
7 30	18 24.55	−26 56.5	1.628	2.549	12.1	20.6
8 9	18 19.36	−26 24.3	1.715	2.557	15.5	20.9

311368 2005 SQ_{141} 7 3.3 206°.31 0°.1/ 3.4 18

5 31	19 13.50	−21 36.5	2.598	3.459	10.2	21.6
6 10	19 8.10	−21 49.1	2.517	3.456	7.5	21.4
6 20	19 1.14	−22 4.0	2.461	3.452	4.5	21.2
6 30	18 53.17	−22 19.6	2.433	3.448	1.2	21.0
7 10	18 44.89	−22 34.5	2.433	3.443	2.2	21.1
7 20	18 37.05	−22 47.6	2.461	3.438	5.5	21.3
7 30	18 30.34	−22 58.4	2.517	3.433	8.5	21.5
8 9	18 25.31	−23 7.2	2.596	3.428	11.1	21.6

151533 2002 RB_{103} 7 3.3 260.°31 1.°3/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 18.40	−24 59.4	1.706	2.581	14.0	21.1
6 10	19 12.64	−25 20.5	1.620	2.565	10.4	20.9
6 20	19 4.26	−25 42.9	1.556	2.549	6.3	20.6
6 30	18 54.03	−26 3.2	1.518	2.532	2.0	20.3
7 10	18 43.11	−26 18.3	1.506	2.515	3.6	20.3
7 20	18 32.77	−26 26.4	1.520	2.498	8.1	20.6
7 30	18 24.27	−26 27.7	1.559	2.480	12.4	20.8
8 9	18 18.49	−26 23.7	1.618	2.462	16.2	21.0

103791 2000 DB_{11} 7 3.3 274.°95 2.°4/ 2.9 18

5 31	19 16.80	−28 57.8	1.918	2.791	12.8	20.1
6 10	19 11.09	−29 14.1	1.843	2.786	9.5	19.9
6 20	19 3.13	−29 27.5	1.792	2.782	5.9	19.7
6 30	18 53.70	−29 34.8	1.766	2.777	2.7	19.4
7 10	18 43.85	−29 33.8	1.767	2.772	3.9	19.5
7 20	18 34.71	−29 23.9	1.794	2.768	7.5	19.7
7 30	18 27.30	−29 6.3	1.846	2.763	11.1	19.9
8 9	18 22.31	−28 43.5	1.920	2.758	14.2	20.1

262788 2006 YN_{29} 7 3.4 19.°96 2.°8/ 3.0 18

5 31	19 16.25	−31 9.6	2.014	2.885	12.4	19.9
6 10	19 10.51	−31 13.2	1.947	2.887	9.3	19.7
6 20	19 2.68	−31 11.5	1.902	2.890	5.9	19.5
6 30	18 53.57	−31 2.0	1.884	2.893	3.1	19.3
7 10	18 44.20	−30 43.2	1.892	2.896	3.9	19.4
7 20	18 35.61	−30 15.6	1.927	2.899	7.2	19.6
7 30	18 28.72	−29 41.1	1.988	2.903	10.5	19.8
8 9	18 24.15	−29 2.6	2.070	2.907	13.4	20.0

157491 Rüdigerkollar 7 3.4 272.°77 1.°4/ 3.0 18

5 31	19 14.81	−26 30.7	2.338	3.205	11.0	20.8
6 10	19 9.37	−26 45.2	2.246	3.187	8.2	20.5
6 20	19 2.05	−26 59.0	2.178	3.169	4.9	20.3
6 30	18 53.44	−27 9.8	2.137	3.150	1.8	20.1
7 10	18 44.37	−27 15.7	2.124	3.132	2.9	20.1
7 20	18 35.74	−27 15.8	2.139	3.113	6.4	20.3
7 30	18 28.41	−27 10.5	2.179	3.095	9.7	20.5
8 9	18 23.05	−27 0.8	2.243	3.076	12.6	20.6

263898 2009 FM_{21} 7 3.4 58.°79 4.°8/ 2.5 17

5 31	19 20.25	−30 49.8	1.272	2.160	17.0	20.5
6 10	19 14.44	−31 45.2	1.223	2.172	12.7	20.3
6 20	19 5.41	−32 36.3	1.194	2.183	8.3	20.1
6 30	18 54.30	−33 15.6	1.188	2.195	5.0	19.9
7 10	18 42.79	−33 37.9	1.206	2.207	6.3	20.0
7 20	18 32.55	−33 42.1	1.248	2.220	10.3	20.3
7 30	18 25.00	−33 30.7	1.312	2.232	14.4	20.5
8 9	18 20.94	−33 8.5	1.395	2.245	18.0	20.8

34239 Louisgolowich 7 3.4 283.°44 0.°8/ 3.2 18

5 31	19 14.16	−24 12.5	2.117	2.988	11.8	19.2
6 10	19 8.99	−24 32.2	2.035	2.978	8.7	19.0
6 20	19 1.85	−24 53.3	1.976	2.969	5.2	18.8
6 30	18 53.39	−25 13.4	1.944	2.959	1.5	18.5
7 10	18 44.50	−25 30.3	1.939	2.949	2.8	18.6
7 20	18 36.12	−25 42.6	1.962	2.939	6.6	18.8
7 30	18 29.14	−25 50.0	2.010	2.930	10.1	19.0
8 9	18 24.26	−25 53.2	2.080	2.920	13.2	19.2

143971 2003 YV_{138} 7 3.4 182.°16 5.°4/ 2.4 18

5 31	19 23.89	−37 4.4	2.053	2.905	12.9	20.9
6 10	19 16.34	−37 43.2	1.983	2.906	10.1	20.8
6 20	19 6.25	−38 13.3	1.936	2.907	7.3	20.6
6 30	18 54.51	−38 29.3	1.915	2.907	5.5	20.5
7 10	18 42.36	−38 28.1	1.921	2.906	6.2	20.5
7 20	18 31.07	−38 9.5	1.955	2.904	8.7	20.7
7 30	18 21.79	−37 36.2	2.013	2.902	11.6	20.8
8 9	18 15.27	−36 52.9	2.092	2.898	14.3	21.0

88075 2000 WL_8 7 3.4 267.°74 2.°9/ 2.6 18

5 31	19 18.95	−29 7.3	2.061	2.927	12.3	20.3
6 10	19 12.87	−29 43.9	1.962	2.901	9.3	20.1
6 20	19 4.37	−30 19.6	1.886	2.874	5.9	19.8
6 30	18 54.09	−30 49.9	1.837	2.846	3.1	19.6
7 10	18 43.05	−31 11.3	1.815	2.818	4.2	19.6
7 20	18 32.39	−31 21.8	1.821	2.789	7.8	19.8
7 30	18 23.27	−31 21.5	1.851	2.760	11.5	19.9
8 9	18 16.59	−31 12.6	1.904	2.730	14.8	20.1

71448 2000 AM_{241} 7 3.4 275.°91 3.°6/ 4.2 18

5 31	19 14.51	−12 27.7	2.001	2.855	13.1	19.9
6 10	19 9.38	−12 25.3	1.903	2.831	10.2	19.6
6 20	19 2.18	−12 32.7	1.828	2.807	6.9	19.4
6 30	18 53.51	−12 50.1	1.778	2.783	4.0	19.1
7 10	18 44.22	−13 16.7	1.755	2.758	4.4	19.1
7 20	18 35.28	−13 50.6	1.760	2.733	7.6	19.3
7 30	18 27.64	−14 29.9	1.789	2.708	11.3	19.4
8 9	18 22.09	−15 12.2	1.840	2.682	14.6	19.6

382940 2004 TM_{241} 7 3.4 211.°92 1.°7/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 18.64	−27 52.0	2.119	2.984	12.1	21.4
6 10	19 12.24	−27 58.5	2.039	2.979	9.0	21.2
6 20	19 3.74	−28 2.3	1.983	2.973	5.4	21.0
6 30	18 53.87	−28 1.1	1.954	2.967	2.1	20.8
7 10	18 43.62	−27 53.0	1.953	2.960	3.3	20.8
7 20	18 34.02	−27 37.9	1.979	2.953	6.9	21.0
7 30	18 26.01	−27 17.1	2.031	2.945	10.4	21.2
8 9	18 20.27	−26 52.6	2.106	2.937	13.4	21.4

497235 2005 EO_{43} 7 3.4 101.°16 4.°8/ 2.8 17

5 31	19 25.18	−33 52.1	1.626	2.492	15.1	21.7
6 10	19 17.35	−34 26.9	1.580	2.515	11.4	21.5
6 20	19 6.78	−34 53.4	1.557	2.538	7.6	21.3
6 30	18 54.61	−35 5.9	1.558	2.560	5.0	21.2
7 10	18 42.32	−35 1.8	1.586	2.581	5.8	21.3
7 20	18 31.33	−34 41.7	1.639	2.602	9.0	21.6
7 30	18 22.80	−34 9.2	1.717	2.622	12.4	21.8
8 9	18 17.36	−33 29.4	1.816	2.642	15.4	22.1

22510 1997 YV_7 7 3.4 51.°64 0.°0/ 3.1 17

5 31	19 17.87	−21 55.8	1.219	2.110	17.3	18.6
6 10	19 12.47	−22 10.4	1.170	2.123	12.7	18.3
6 20	19 4.15	−22 29.4	1.141	2.136	7.5	18.1
6 30	18 53.98	−22 49.6	1.134	2.150	1.9	17.8
7 10	18 43.51	−23 7.6	1.152	2.164	3.7	17.9
7 20	18 34.24	−23 21.5	1.194	2.178	9.0	18.3
7 30	18 27.43	−23 31.3	1.257	2.192	13.7	18.6
8 9	18 23.82	−23 37.5	1.340	2.207	17.6	18.9

357503 2004 PA_{95} 7 3.4 333.°16 1.°9/ 3.1 18

5 31	19 15.19	−28 39.4	1.977	2.850	12.4	20.4
6 10	19 9.83	−28 37.6	1.900	2.844	9.2	20.2
6 20	19 2.35	−28 32.3	1.847	2.838	5.6	20.0
6 30	18 53.53	−28 21.3	1.820	2.832	2.3	19.7
7 10	18 44.35	−28 3.3	1.819	2.827	3.4	19.8
7 20	18 35.87	−27 38.5	1.845	2.822	7.1	20.0
7 30	18 29.02	−27 8.6	1.896	2.817	10.6	20.2
8 9	18 24.46	−26 35.7	1.970	2.813	13.7	20.4

261115 2005 TS_3 7 3.4 207.°45 1.°5/ 2.9 18

5 31	19 14.46	−26 43.0	2.599	3.462	10.2	20.7
6 10	19 8.89	−27 9.9	2.519	3.458	7.5	20.5
6 20	19 1.66	−27 36.3	2.464	3.454	4.5	20.3
6 30	18 53.35	−27 59.8	2.437	3.450	1.8	20.1
7 10	18 44.70	−28 18.3	2.438	3.445	2.8	20.2
7 20	18 36.50	−28 30.8	2.468	3.440	5.8	20.4
7 30	18 29.50	−28 37.1	2.524	3.435	8.7	20.6
8 9	18 24.27	−28 38.1	2.604	3.429	11.3	20.8

55923 1998 FD_{55} 7 3.4 195.°08 4.°1/ 2.4 18

5 31	19 16.98	−34 6.0	2.290	3.151	11.4	19.3
6 10	19 11.02	−34 42.2	2.218	3.150	8.7	19.1
6 20	19 3.02	−35 12.9	2.170	3.149	6.0	18.9
6 30	18 53.70	−35 34.2	2.149	3.148	4.1	18.8
7 10	18 44.02	−35 43.5	2.155	3.147	4.9	18.9
7 20	18 34.96	−35 40.0	2.188	3.145	7.4	19.0
7 30	18 27.47	−35 25.1	2.246	3.144	10.2	19.2
8 9	18 22.18	−35 1.5	2.326	3.142	12.8	19.4

304481 2006 UC_{95} 7 3.4 89.°00 4.°1/ 2.1 18

5 31	19 16.98	−32 44.2	2.138	3.004	12.0	20.7
6 10	19 11.09	−33 41.1	2.078	3.013	9.1	20.5
6 20	19 3.09	−34 33.7	2.042	3.022	6.1	20.3
6 30	18 53.72	−35 17.2	2.032	3.032	4.2	20.2
7 10	18 43.99	−35 48.1	2.049	3.041	5.1	20.3
7 20	18 34.94	−36 5.1	2.093	3.050	7.7	20.5
7 30	18 27.54	−36 9.1	2.161	3.059	10.6	20.7
8 9	18 22.44	−36 2.5	2.252	3.068	13.1	20.9

117208 2004 RM_{194} 7 3.4 191.°50 6.°6/ 5.3 18

5 31	19 10.69	+ 2 1.2	3.105	3.884	10.7	20.4
6 10	19 5.76	+ 2 35.4	3.027	3.882	9.2	20.3
6 20	18 59.66	+ 2 57.3	2.972	3.880	7.7	20.2
6 30	18 52.83	+ 3 5.1	2.942	3.878	6.7	20.1
7 10	18 45.78	+ 2 58.3	2.938	3.875	6.7	20.1
7 20	18 39.04	+ 2 37.5	2.960	3.872	7.6	20.1
7 30	18 33.15	+ 2 4.5	3.008	3.868	9.1	20.2
8 9	18 28.53	+ 1 21.8	3.079	3.864	10.7	20.4

59462 1999 GQ_{45} 7 3.4 138.°48 7.°0/ 4.9 18 R

5 31	19 15.21	− 4 25.3	1.901	2.730	14.7	19.2
6 10	19 9.63	− 3 50.0	1.836	2.737	12.0	19.0
6 20	19 2.16	− 3 29.8	1.792	2.744	9.2	18.9
6 30	18 53.49	− 3 26.8	1.773	2.750	7.3	18.8
7 10	18 44.53	− 3 41.1	1.779	2.756	7.3	18.8
7 20	18 36.20	− 4 11.2	1.811	2.762	9.2	18.9
7 30	18 29.35	− 4 54.0	1.868	2.767	11.9	19.1
8 9	18 24.59	− 5 45.6	1.945	2.772	14.5	19.3

146241 2000 WV_{191} 7 3.4 253°.49 1°.5/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 13.03	−16 33.6	2.408	3.265	11.1	20.1
6 10	19 7.93	−16 52.0	2.319	3.254	8.3	19.9
6 20	19 1.16	−17 16.9	2.255	3.242	5.2	19.6
6 30	18 53.25	−17 46.9	2.218	3.230	2.1	19.4
7 10	18 44.94	−18 20.4	2.209	3.218	2.7	19.4
7 20	18 37.00	−18 55.5	2.228	3.206	6.0	19.6
7 30	18 30.20	−19 30.6	2.274	3.193	9.2	19.8
8 9	18 25.14	−20 4.4	2.343	3.180	12.0	20.0

169440 2002 AZ_{127} 7 3.4 123°.52 0°.2/ 3.4 17

5 31	19 20.70	−21 34.9	1.599	2.471	15.0	20.9
6 10	19 14.02	−21 44.4	1.541	2.485	11.0	20.7
6 20	19 4.87	−21 57.1	1.506	2.498	6.5	20.5
6 30	18 54.20	−22 10.4	1.495	2.510	1.7	20.2
7 10	18 43.24	−22 22.2	1.512	2.522	3.2	20.3
7 20	18 33.24	−22 31.2	1.554	2.534	7.8	20.6
7 30	18 25.30	−22 37.2	1.622	2.545	11.9	20.9
8 9	18 20.10	−22 41.1	1.710	2.555	15.4	21.1

216825 2006 VB_{68} 7 3.4 261°.18 3°.2/ 2.3 18

5 31	19 15.65	−29 53.1	2.183	3.052	11.6	20.3
6 10	19 10.17	−30 46.3	2.108	3.047	8.7	20.1
6 20	19 2.62	−31 38.0	2.056	3.042	5.6	19.9
6 30	18 53.65	−32 24.0	2.031	3.038	3.3	19.8
7 10	18 44.21	−33 0.5	2.034	3.033	4.3	19.8
7 20	18 35.28	−33 25.7	2.063	3.028	7.3	20.0
7 30	18 27.84	−33 39.5	2.118	3.023	10.4	20.2
8 9	18 22.58	−33 43.5	2.195	3.018	13.2	20.4

395294 2011 FN_{23} 7 3.4 146°.42 17°.0/ 7.3 18

5 31	19 18.58	+13 8.5	1.423	2.181	22.0	22.0
6 10	19 12.67	+14 52.8	1.374	2.189	20.1	21.9
6 20	19 4.20	+16 4.3	1.340	2.196	18.4	21.8
6 30	18 54.05	+16 35.1	1.324	2.202	17.3	21.7
7 10	18 43.49	+16 21.6	1.327	2.208	17.0	21.7
7 20	18 33.77	+15 25.9	1.348	2.213	17.8	21.8
7 30	18 26.08	+13 54.5	1.387	2.218	19.2	21.9
8 9	18 21.18	+11 57.9	1.443	2.222	20.9	22.1

78308 2002 PM_{64} 7 3.4 39°.35 1°.5/ 3.7 18

5 31	19 14.89	−18 54.0	1.793	2.665	13.6	19.9
6 10	19 9.63	−18 50.9	1.725	2.668	10.1	19.7
6 20	19 2.26	−18 52.8	1.680	2.670	6.1	19.4
6 30	18 53.54	−18 58.6	1.659	2.673	2.2	19.2
7 10	18 44.49	−19 7.0	1.666	2.675	3.2	19.3
7 20	18 36.13	−19 16.9	1.698	2.678	7.2	19.5
7 30	18 29.41	−19 27.4	1.755	2.681	11.0	19.8
8 9	18 24.99	−19 38.1	1.834	2.684	14.3	20.0

156975 2003 JW_5 7 3.4 240°.27 5°.1/ 4.2 18

5 31	19 15.36	− 9 46.3	1.980	2.826	13.6	20.6
6 10	19 9.88	− 9 17.4	1.896	2.815	10.7	20.4
6 20	19 2.41	− 8 58.8	1.833	2.803	7.7	20.2
6 30	18 53.61	− 8 51.8	1.796	2.791	5.4	20.0
7 10	18 44.33	− 8 56.8	1.785	2.778	5.6	20.0
7 20	18 35.54	− 9 12.9	1.801	2.765	8.2	20.2
7 30	18 28.13	− 9 38.4	1.842	2.752	11.5	20.3
8 9	18 22.80	−10 10.9	1.904	2.739	14.5	20.5

90280 2003 DY_{10} 7 3.4 56°.99 16°.7/27.6 18

5 31	19 37.20	−60 11.9	1.589	2.372	19.1	19.1
6 10	19 29.66	−62 44.7	1.563	2.384	17.8	19.0
6 20	19 15.93	−64 48.7	1.554	2.396	16.9	19.0
6 30	18 57.31	−66 10.3	1.565	2.409	16.8	19.0
7 10	18 37.00	−66 42.1	1.594	2.422	17.2	19.0
7 20	18 18.91	−66 25.6	1.640	2.435	18.2	19.1
7 30	18 6.15	−65 30.3	1.701	2.449	19.4	19.3
8 9	17 59.95	−64 8.8	1.777	2.462	20.6	19.4

69162 2736 *P–L* 7 3.4 320°.54 2°.6/ 3.9 17

5 31	19 13.57	−15 55.2	1.801	2.670	13.7	19.8
6 10	19 8.72	−15 50.1	1.725	2.665	10.3	19.6
6 20	19 1.78	−15 52.6	1.672	2.659	6.6	19.3
6 30	18 53.44	−16 2.3	1.644	2.654	3.1	19.1
7 10	18 44.69	−16 17.9	1.642	2.649	3.7	19.1
7 20	18 36.52	−16 37.9	1.666	2.645	7.5	19.4
7 30	18 29.90	−17 0.9	1.714	2.640	11.2	19.6
8 9	18 25.53	−17 25.3	1.784	2.636	14.6	19.8

284072 2005 EL_{164} 7 3.4 319°.14 2°.8/ 2.4 18

5 31	19 14.35	−25 38.4	1.574	2.460	14.4	19.4
6 10	19 9.99	−26 47.0	1.491	2.442	10.7	19.1
6 20	19 2.91	−28 0.6	1.430	2.423	6.6	18.8
6 30	18 53.82	−29 13.6	1.394	2.406	3.0	18.5
7 10	18 43.88	−30 19.6	1.383	2.389	4.7	18.6
7 20	18 34.42	−31 14.0	1.397	2.372	9.0	18.8
7 30	18 26.81	−31 54.8	1.435	2.356	13.3	19.0
8 9	18 22.07	−32 22.6	1.492	2.341	17.1	19.2

185005 2006 PJ_9 7 3.4 241°.67 4°.3/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 19.82	−35 56.6	2.287	3.141	11.7	20.4
6 10	19 13.16	−36 10.8	2.204	3.131	9.0	20.2
6 20	19 4.33	−36 17.1	2.144	3.120	6.3	20.0
6 30	18 54.10	−36 11.9	2.112	3.109	4.4	19.9
7 10	18 43.48	−35 53.1	2.106	3.098	5.0	19.9
7 20	18 33.55	−35 20.9	2.128	3.086	7.6	20.0
7 30	18 25.28	−34 37.8	2.176	3.074	10.5	20.2
8 9	18 19.36	−33 47.3	2.246	3.062	13.2	20.4

341089 2007 JK_2 7 3.4 350°.83 9°.9/ 6.2 18

5 31	19 10.58	− 0 44.5	1.395	2.238	18.3	19.9
6 10	19 6.92	− 0 13.0	1.328	2.232	15.4	19.7
6 20	19 0.89	− 0 5.6	1.280	2.227	12.5	19.5
6 30	18 53.25	− 0 26.1	1.252	2.223	10.3	19.4
7 10	18 45.10	− 1 14.5	1.246	2.220	10.1	19.4
7 20	18 37.62	− 2 27.6	1.262	2.217	11.9	19.5
7 30	18 31.90	− 3 59.2	1.300	2.216	14.8	19.6
8 9	18 28.75	− 5 41.2	1.358	2.216	17.9	19.8

164626 1993 TL_{41} 7 3.4 283°.56 3°.0/ 4.0 17

5 31	19 13.78	−14 33.3	1.913	2.776	13.3	20.5
6 10	19 8.78	−14 27.0	1.835	2.769	10.1	20.3
6 20	19 1.79	−14 28.9	1.779	2.763	6.6	20.1
6 30	18 53.47	−14 38.8	1.749	2.757	3.5	19.8
7 10	18 44.73	−14 55.7	1.745	2.750	3.9	19.9
7 20	18 36.53	−15 18.1	1.767	2.744	7.3	20.1
7 30	18 29.78	−15 44.3	1.815	2.738	10.9	20.3
8 9	18 25.16	−16 12.7	1.884	2.731	14.1	20.5

259701 2003 YA_{33} 7 3.4 171°.30 1°.6/ 3.8 17

5 31	19 18.48	−17 23.7	1.934	2.794	13.3	21.6
6 10	19 12.16	−17 37.2	1.862	2.798	9.9	21.4
6 20	19 3.75	−17 57.2	1.813	2.801	6.1	21.2
6 30	18 53.96	−18 22.1	1.791	2.804	2.3	21.0
7 10	18 43.79	−18 49.7	1.796	2.805	3.1	21.0
7 20	18 34.25	−19 17.9	1.829	2.807	7.0	21.3
7 30	18 26.31	−19 45.5	1.888	2.807	10.7	21.5
8 9	18 20.64	−20 11.5	1.969	2.807	13.9	21.7

313924 2004 RA_{26} 7 3.4 245°.11 2°.9/ 4.3 18

5 31	19 11.93	−12 7.0	2.762	3.605	10.3	21.4
6 10	19 6.92	−12 5.8	2.670	3.591	7.9	21.3
6 20	19 0.49	−12 11.9	2.601	3.577	5.4	21.1
6 30	18 53.12	−12 25.2	2.560	3.562	3.2	20.9
7 10	18 45.41	−12 45.1	2.547	3.547	3.5	20.9
7 20	18 38.01	−13 10.4	2.563	3.532	5.8	21.0
7 30	18 31.56	−13 39.7	2.605	3.517	8.5	21.2
8 9	18 26.58	−14 11.6	2.671	3.501	10.9	21.3

92150 1999 XQ_{124} 7 3.4 231°.85 4°.1/ 2.1 18

5 31	19 16.23	−35 20.9	2.603	3.458	10.4	20.2
6 10	19 10.37	−36 1.2	2.524	3.451	8.0	20.1
6 20	19 2.65	−36 36.1	2.470	3.444	5.7	19.9
6 30	18 53.68	−37 1.9	2.442	3.436	4.2	19.8
7 10	18 44.32	−37 16.1	2.442	3.429	4.9	19.8
7 20	18 35.46	−37 17.7	2.470	3.421	7.1	20.0
7 30	18 27.95	−37 7.6	2.523	3.413	9.6	20.1
8 9	18 22.43	−36 48.3	2.599	3.404	11.9	20.3

301843 1981 DZ_2 7 3.4 103°.10 7°.8/ 6.1 18

5 31	19 12.99	+ 3 56.7	2.679	3.451	12.4	21.1
6 10	19 7.46	+ 4 38.7	2.627	3.474	10.7	21.0
6 20	19 0.67	+ 5 5.1	2.598	3.496	9.0	20.9
6 30	18 53.13	+ 5 14.0	2.592	3.518	8.0	20.9
7 10	18 45.48	+ 5 5.0	2.613	3.540	7.9	20.9
7 20	18 38.33	+ 4 39.4	2.658	3.561	8.7	21.0
7 30	18 32.25	+ 3 59.8	2.729	3.582	10.1	21.1
8 9	18 27.66	+ 3 9.6	2.821	3.602	11.6	21.2

77476 2001 HW_{28} 7 3.4 69°.88 1°.2/ 3.2 18

5 31	19 18.66	−23 51.7	1.418	2.301	15.8	18.8
6 10	19 12.84	−24 22.7	1.366	2.315	11.6	18.6
6 20	19 4.32	−24 56.2	1.335	2.329	6.9	18.4
6 30	18 54.12	−25 27.7	1.329	2.344	2.0	18.1
7 10	18 43.60	−25 53.7	1.348	2.358	3.7	18.3
7 20	18 34.14	−26 12.1	1.392	2.372	8.4	18.6
7 30	18 26.92	−26 23.1	1.459	2.387	12.7	18.9
8 9	18 22.66	−26 28.0	1.547	2.401	16.3	19.1

395602 2011 UZ_{326} 7 3.4 250°.91 2°.4/ 2.6 18

5 31	19 15.30	−28 14.0	2.338	3.204	11.0	21.1
6 10	19 9.81	−28 57.5	2.255	3.194	8.2	20.9
6 20	19 2.39	−29 40.6	2.196	3.185	5.1	20.7
6 30	18 53.64	−30 19.6	2.165	3.175	2.6	20.5
7 10	18 44.43	−30 51.5	2.161	3.164	3.6	20.5
7 20	18 35.66	−31 14.5	2.186	3.154	6.7	20.7
7 30	18 28.22	−31 28.3	2.236	3.143	9.8	20.9
8 9	18 22.80	−31 34.2	2.308	3.133	12.6	21.0

266160 2006 UV_{109} 7 3.4 6°.91 1°.1/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 17.96	−26 19.1	1.245	2.138	16.9	20.0
6 10	19 12.73	−26 4.3	1.184	2.138	12.6	19.8
6 20	19 4.44	−25 47.1	1.143	2.138	7.5	19.5
6 30	18 54.18	−25 24.8	1.125	2.140	2.2	19.2
7 10	18 43.49	−24 56.6	1.130	2.141	3.9	19.3
7 20	18 33.96	−24 23.4	1.160	2.144	9.2	19.6
7 30	18 26.93	−23 48.0	1.211	2.147	14.0	19.9
8 9	18 23.18	−23 13.0	1.282	2.150	18.1	20.1

219053 1996 BE_{8} 7 3.4 96°.00 0°.4/ 3.3 17

5 31	19 19.54	−24 31.7	1.578	2.455	14.9	20.6
6 10	19 13.25	−24 22.6	1.517	2.463	10.9	20.3
6 20	19 4.47	−24 13.1	1.479	2.472	6.5	20.1
6 30	18 54.15	−24 1.2	1.465	2.480	1.7	19.8
7 10	18 43.56	−23 45.8	1.478	2.489	3.3	20.0
7 20	18 33.96	−23 27.1	1.516	2.497	7.9	20.2
7 30	18 26.44	−23 6.5	1.579	2.505	12.0	20.5
8 9	18 21.68	−22 45.7	1.663	2.513	15.5	20.8

431358 2007 DX_{73} 7 3.4 0°.43 2°.2/ 3.0 17

5 31	19 17.41	−27 23.9	1.542	2.425	14.8	21.1
6 10	19 11.97	−27 42.5	1.476	2.424	11.0	20.9
6 20	19 3.87	−27 59.7	1.431	2.424	6.7	20.6
6 30	18 54.03	−28 11.6	1.411	2.424	2.7	20.4
7 10	18 43.74	−28 15.2	1.416	2.424	4.1	20.4
7 20	18 34.33	−28 9.8	1.446	2.424	8.4	20.7
7 30	18 27.01	−27 56.8	1.500	2.425	12.6	20.9
8 9	18 22.56	−27 38.4	1.574	2.426	16.2	21.2

310659 2002 EU_{56} 7 3.4 73°.79 1°.2/ 3.6 17

5 31	19 18.79	−19 57.4	1.329	2.212	16.7	20.5
6 10	19 12.98	−19 55.5	1.275	2.224	12.3	20.3
6 20	19 4.43	−19 59.2	1.243	2.236	7.4	20.1
6 30	18 54.15	−20 6.4	1.233	2.248	2.3	19.8
7 10	18 43.58	−20 15.2	1.249	2.260	3.7	19.9
7 20	18 34.09	−20 24.2	1.289	2.272	8.7	20.2
7 30	18 26.91	−20 32.7	1.352	2.283	13.2	20.5
8 9	18 22.73	−20 40.8	1.434	2.295	17.0	20.8

471857 2013 AS_{5} 7 3.4 285°.43 0°.0/ 3.3 18

5 31	19 16.27	−22 59.9	1.885	2.757	13.0	21.5
6 10	19 10.86	−22 54.0	1.792	2.736	9.7	21.3
6 20	19 3.17	−22 49.0	1.722	2.714	5.8	21.0
6 30	18 53.88	−22 43.4	1.677	2.692	1.5	20.7
7 10	18 43.99	−22 35.8	1.659	2.670	3.0	20.7
7 20	18 34.59	−22 26.0	1.668	2.648	7.4	21.0
7 30	18 26.77	−22 14.3	1.702	2.626	11.4	21.2
8 9	18 21.33	−22 1.7	1.757	2.604	15.0	21.3

183812 2004 BK_{63} 7 3.4 75°.13 1°.7/ 3.2 17

5 31	19 20.51	−26 33.0	1.453	2.334	15.7	20.6
6 10	19 14.07	−26 46.0	1.404	2.352	11.5	20.4
6 20	19 4.98	−26 57.4	1.377	2.370	6.9	20.2
6 30	18 54.28	−27 3.7	1.374	2.388	2.4	19.9
7 10	18 43.41	−27 2.4	1.397	2.406	3.9	20.1
7 20	18 33.72	−26 53.6	1.445	2.424	8.3	20.4
7 30	18 26.34	−26 38.7	1.517	2.442	12.5	20.7
8 9	18 21.93	−26 20.3	1.609	2.460	15.9	21.0

504105 2006 FX_{36} 7 3.4 53°.81 4°.6/ 5.1 17

5 31	19 14.69	− 9 2.8	1.588	2.445	15.8	20.2
6 10	19 9.53	− 9 24.5	1.536	2.463	12.2	20.0
6 20	19 2.23	−10 2.4	1.504	2.480	8.4	19.8
6 30	18 53.59	−10 55.2	1.497	2.498	5.2	19.7
7 10	18 44.69	−11 59.5	1.515	2.516	5.2	19.7
7 20	18 36.60	−13 10.9	1.559	2.535	8.2	20.0
7 30	18 30.26	−14 24.8	1.628	2.553	11.7	20.2
8 9	18 26.32	−15 37.1	1.718	2.572	14.9	20.5

265413 2004 TX_{153} 7 3.4 312°.45 0°.4/ 3.3 18

5 31	19 13.07	−23 27.1	2.023	2.898	12.2	20.8
6 10	19 8.35	−23 38.6	1.936	2.881	9.0	20.5
6 20	19 1.60	−23 52.0	1.872	2.865	5.4	20.3
6 30	18 53.47	−24 5.1	1.834	2.849	1.4	20.0
7 10	18 44.84	−24 16.0	1.823	2.833	2.8	20.1
7 20	18 36.69	−24 23.6	1.838	2.818	6.8	20.3
7 30	18 29.97	−24 27.6	1.878	2.802	10.5	20.5
8 9	18 25.38	−24 28.5	1.941	2.788	13.8	20.7

391865 2008 TK_{58} 7 3.4 273°.83 5°.5/ 1.9 18

5 31	19 19.63	−35 5.7	1.873	2.739	13.4	21.2
6 10	19 13.71	−35 59.7	1.787	2.720	10.4	21.0
6 20	19 5.05	−36 48.4	1.723	2.700	7.4	20.8
6 30	18 54.40	−37 25.6	1.685	2.680	5.5	20.6
7 10	18 42.97	−37 46.5	1.672	2.660	6.5	20.6
7 20	18 32.11	−37 49.1	1.685	2.640	9.5	20.8
7 30	18 23.15	−37 34.7	1.722	2.619	12.8	20.9
8 9	18 17.05	−37 7.4	1.779	2.599	16.0	21.1

473805 2016 EG_{108} 7 3.4 51°.33 2°.0/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 18.64	−26 4.3	1.280	2.171	16.7	20.7
6 10	19 13.06	−26 28.4	1.232	2.184	12.3	20.5
6 20	19 4.55	−26 52.3	1.204	2.198	7.4	20.2
6 30	18 54.21	−27 11.4	1.199	2.212	2.6	20.0
7 10	18 43.59	−27 22.4	1.218	2.227	4.2	20.1
7 20	18 34.18	−27 24.3	1.261	2.242	9.0	20.5
7 30	18 27.25	−27 18.3	1.327	2.258	13.5	20.8
8 9	18 23.51	−27 6.8	1.412	2.273	17.2	21.0

235239 2003 SO_{290} 7 3.4 291°.63 3°.1/ 3.9 18

5 31	19 14.57	−15 21.5	1.844	2.709	13.6	20.6
6 10	19 9.40	−15 2.8	1.769	2.705	10.3	20.4
6 20	19 2.18	−14 51.3	1.717	2.701	6.7	20.1
6 30	18 53.61	−14 46.9	1.690	2.698	3.5	19.9
7 10	18 44.66	−14 49.3	1.689	2.694	4.0	20.0
7 20	18 36.32	−14 57.6	1.714	2.691	7.5	20.2
7 30	18 29.52	−15 10.6	1.765	2.687	11.2	20.4
8 9	18 24.92	−15 27.1	1.837	2.684	14.4	20.6

94783 2001 XK_{118} 7 3.4 143°.00 0°.9/ 3.1 18

5 31	19 17.44	−21 53.5	1.834	2.705	13.4	19.3
6 10	19 11.66	−22 52.3	1.765	2.709	9.9	19.0
6 20	19 3.60	−23 56.5	1.720	2.712	5.8	18.8
6 30	18 54.00	−25 1.6	1.701	2.716	1.6	18.5
7 10	18 43.90	−26 2.9	1.710	2.719	3.2	18.7
7 20	18 34.43	−26 56.9	1.745	2.722	7.4	18.9
7 30	18 26.64	−27 41.9	1.807	2.725	11.2	19.2
8 9	18 21.28	−28 17.9	1.890	2.728	14.4	19.4

114562 2003 BR_{53} 7 3.4 107°.67 4°.0/ 4.6 17

5 31	19 12.84	−10 9.2	2.160	3.007	12.6	19.8
6 10	19 7.82	−10 10.2	2.089	3.010	9.8	19.6
6 20	19 1.12	−10 22.1	2.041	3.014	6.8	19.5
6 30	18 53.33	−10 44.7	2.018	3.017	4.4	19.3
7 10	18 45.25	−11 16.8	2.023	3.021	4.5	19.3
7 20	18 37.67	−11 56.4	2.054	3.024	7.0	19.5
7 30	18 31.36	−12 41.1	2.111	3.027	9.9	19.7
8 9	18 26.89	−13 28.2	2.191	3.031	12.7	19.9

313739 2003 UQ_{213} 7 3.4 147°.10 4°.9/ 2.5 17

5 31	19 21.53	−32 41.9	1.550	2.424	15.2	20.8
6 10	19 15.17	−33 28.6	1.487	2.427	11.6	20.6
6 20	19 5.86	−34 9.6	1.446	2.430	7.8	20.4
6 30	18 54.60	−34 38.7	1.430	2.433	5.0	20.2
7 10	18 42.82	−34 51.3	1.439	2.436	6.1	20.3
7 20	18 32.06	−34 46.7	1.473	2.438	9.6	20.5
7 30	18 23.65	−34 27.2	1.530	2.440	13.4	20.7
8 9	18 18.42	−33 57.4	1.607	2.442	16.7	21.0

384437 2009 YQ_{23} 7 3.4 197°.85 1°.3/ 3.8 18

5 31	19 16.51	−17 50.7	2.409	3.262	11.2	22.7
6 10	19 10.46	−18 2.8	2.326	3.259	8.4	22.5
6 20	19 2.67	−18 19.9	2.268	3.254	5.1	22.3
6 30	18 53.75	−18 40.7	2.237	3.249	1.9	22.0
7 10	18 44.45	−19 3.4	2.234	3.244	2.6	22.1
7 20	18 35.60	−19 26.7	2.261	3.237	6.0	22.3
7 30	18 27.99	−19 49.6	2.315	3.230	9.2	22.5
8 9	18 22.20	−20 11.3	2.392	3.222	12.0	22.7

476502 2008 GP_{10} 7 3.4 22°.59 4°.4/ 4.3 16

5 31	19 12.01	−10 30.1	2.159	3.008	12.5	21.4
6 10	19 7.21	−10 4.9	2.088	3.010	9.7	21.2
6 20	19 0.75	− 9 49.2	2.040	3.012	6.9	21.1
6 30	18 53.25	− 9 43.7	2.018	3.014	4.7	20.9
7 10	18 45.48	− 9 48.4	2.022	3.017	4.9	20.9
7 20	18 38.23	−10 2.3	2.053	3.019	7.2	21.1
7 30	18 32.25	−10 24.0	2.109	3.022	10.1	21.3
8 9	18 28.07	−10 51.2	2.187	3.025	12.7	21.5

32672 6720 *P–L* 7 3.4 287°.79 0°.5/ 3.3 18

5 31	19 14.53	−23 32.9	2.046	2.918	12.2	19.7
6 10	19 9.39	−23 44.5	1.962	2.906	9.0	19.5
6 20	19 2.21	−23 57.7	1.901	2.893	5.3	19.2
6 30	18 53.66	−24 10.4	1.866	2.881	1.4	18.9
7 10	18 44.65	−24 20.6	1.858	2.868	2.8	19.0
7 20	18 36.14	−24 27.2	1.877	2.856	6.7	19.3
7 30	18 29.09	−24 30.1	1.922	2.844	10.4	19.5
8 9	18 24.18	−24 29.9	1.988	2.832	13.6	19.6

406805 2008 UJ_{116} 7 3.4 136°.22 0°.2/ 3.4 17

5 31	19 22.16	−23 45.5	1.480	2.356	15.7	21.6
6 10	19 15.36	−23 40.1	1.420	2.365	11.6	21.3
6 20	19 5.83	−23 35.3	1.380	2.373	6.9	21.1
6 30	18 54.59	−23 28.6	1.366	2.381	1.8	20.8
7 10	18 43.02	−23 18.5	1.378	2.388	3.4	20.9
7 20	18 32.52	−23 5.0	1.415	2.395	8.3	21.2
7 30	18 24.28	−22 49.3	1.476	2.402	12.7	21.5
8 9	18 19.04	−22 33.2	1.558	2.408	16.4	21.8

192997 2000 DP_{109} 7 3.4 120°.31 4°.3/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 22.91	−31 26.6	1.340	2.221	16.7	20.2
6 10	19 16.41	−31 54.3	1.281	2.226	12.6	19.9
6 20	19 6.68	−32 15.9	1.243	2.231	8.1	19.7
6 30	18 54.83	−32 25.5	1.228	2.236	4.6	19.5
7 10	18 42.54	−32 19.3	1.238	2.241	5.7	19.6
7 20	18 31.48	−31 57.6	1.272	2.245	9.9	19.8
7 30	18 23.11	−31 23.8	1.328	2.249	14.2	20.1
8 9	18 18.22	−30 43.1	1.404	2.253	17.9	20.3

27200 1999 CV_{69} 7 3.4 278°.82 8°.9/ 4.2 18

5 31	19 15.09	− 2 59.9	1.747	2.576	15.8	18.5
6 10	19 10.06	− 1 57.8	1.656	2.553	13.3	18.3
6 20	19 2.77	− 1 10.3	1.585	2.530	10.8	18.1
6 30	18 53.86	− 0 41.8	1.538	2.506	9.1	17.9
7 10	18 44.26	− 0 35.1	1.515	2.482	9.3	17.9
7 20	18 35.06	− 0 50.4	1.516	2.458	11.3	18.0
7 30	18 27.32	− 1 25.7	1.539	2.433	14.3	18.1
8 9	18 21.87	− 2 16.5	1.583	2.409	17.3	18.2

281015 2006 EJ_{32} 7 3.4 301°.37 5°.4/ 4.5 17

5 31	19 14.09	− 9 14.3	1.784	2.636	14.6	20.9
6 10	19 9.07	− 8 51.8	1.712	2.634	11.5	20.7
6 20	19 2.01	− 8 41.8	1.662	2.633	8.2	20.5
6 30	18 53.61	− 8 45.6	1.636	2.631	5.7	20.3
7 10	18 44.82	− 9 2.8	1.636	2.630	5.9	20.3
7 20	18 36.63	− 9 31.8	1.661	2.628	8.5	20.5
7 30	18 29.97	−10 9.9	1.710	2.627	11.8	20.7
8 9	18 25.52	−10 54.0	1.781	2.626	14.9	20.9

125746 2001 XJ_{119} 7 3.4 152°.94 1°.6/ 3.0 18 R

5 31	19 18.76	−26 33.1	2.244	3.106	11.6	20.9
6 10	19 12.21	−27 1.1	2.177	3.115	8.5	20.7
6 20	19 3.74	−27 28.3	2.134	3.124	5.1	20.5
6 30	18 54.04	−27 51.8	2.118	3.131	2.0	20.3
7 10	18 44.05	−28 9.0	2.131	3.138	3.1	20.4
7 20	18 34.70	−28 19.0	2.172	3.145	6.5	20.7
7 30	18 26.85	−28 22.2	2.240	3.150	9.7	20.9
8 9	18 21.13	−28 19.8	2.330	3.156	12.5	21.1

107151 2001 BU_{12} 7 3.4 210°.88 4°.2/ 1.7 18

5 31	19 16.46	−34 3.0	2.558	3.415	10.5	19.5
6 10	19 10.64	−35 6.0	2.483	3.412	8.1	19.3
6 20	19 2.90	−36 5.1	2.433	3.409	5.7	19.1
6 30	18 53.85	−36 56.0	2.410	3.405	4.2	19.0
7 10	18 44.34	−37 35.2	2.416	3.401	5.0	19.1
7 20	18 35.27	−38 1.0	2.449	3.398	7.2	19.2
7 30	18 27.54	−38 13.6	2.508	3.394	9.7	19.4
8 9	18 21.80	−38 15.1	2.589	3.389	12.0	19.5

9411 Hitomiyamoto 7 3.4 242°.98 0°.5/ 3.6 18

5 31	19 12.89	−20 10.5	2.624	3.485	10.2	18.6
6 10	19 7.76	−20 27.9	2.537	3.475	7.5	18.4
6 20	19 1.08	−20 48.9	2.475	3.465	4.5	18.2
6 30	18 53.37	−21 11.8	2.440	3.455	1.3	17.9
7 10	18 45.30	−21 35.1	2.434	3.444	2.2	18.0
7 20	18 37.60	−21 57.4	2.456	3.434	5.5	18.2
7 30	18 30.98	−22 18.0	2.505	3.423	8.5	18.4
8 9	18 25.98	−22 36.3	2.578	3.412	11.1	18.5

227481 2005 WT_{194} 7 3.4 134°.25 3°.6/ 3.9 18

5 31	19 17.36	−13 21.5	2.209	3.055	12.3	20.7
6 10	19 10.97	−12 48.8	2.145	3.069	9.4	20.5
6 20	19 2.90	−12 22.8	2.105	3.082	6.3	20.3
6 30	18 53.81	−12 4.2	2.092	3.094	3.9	20.2
7 10	18 44.54	−11 53.2	2.107	3.106	4.2	20.3
7 20	18 35.93	−11 49.4	2.150	3.117	6.9	20.4
7 30	18 28.71	−11 52.2	2.219	3.128	9.8	20.6
8 9	18 23.41	−12 0.2	2.310	3.138	12.5	20.8

342736 2008 WK_{46} 7 3.4 313°.92 2°.5/ 2.8 17

5 31	19 15.63	−26 57.5	1.626	2.508	14.2	20.5
6 10	19 10.76	−27 35.2	1.549	2.497	10.6	20.2
6 20	19 3.29	−28 13.5	1.493	2.486	6.5	19.9
6 30	18 54.00	−28 48.0	1.463	2.475	2.8	19.7
7 10	18 44.06	−29 14.8	1.458	2.465	4.2	19.8
7 20	18 34.79	−29 31.4	1.478	2.455	8.5	20.0
7 30	18 27.41	−29 38.0	1.522	2.445	12.6	20.2
8 9	18 22.79	−29 36.3	1.586	2.435	16.2	20.4

121 Hermione 7 3.4 285°.91 1°.5/ 2.9 18 A

5 31	19 12.80	−26 24.4	2.565	3.432	10.2	12.7
6 10	19 7.83	−26 55.7	2.479	3.420	7.5	12.5
6 20	19 1.18	−27 27.2	2.417	3.408	4.6	12.3
6 30	18 53.41	−27 56.5	2.383	3.395	1.8	12.1
7 10	18 45.25	−28 21.2	2.377	3.383	2.9	12.1
7 20	18 37.47	−28 40.0	2.398	3.371	5.9	12.3
7 30	18 30.83	−28 52.4	2.446	3.359	8.9	12.5
8 9	18 25.95	−28 59.1	2.517	3.347	11.5	12.6

512649 2016 TR_{60} 7 3.4 310°.57 1°.0/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 14.95	−24 55.4	1.830	2.707	13.1	20.9
6 10	19 9.91	−25 9.9	1.751	2.697	9.7	20.7
6 20	19 2.62	−25 25.2	1.695	2.688	5.8	20.5
6 30	18 53.81	−25 38.6	1.664	2.679	1.8	20.2
7 10	18 44.51	−25 47.8	1.660	2.669	3.2	20.2
7 20	18 35.83	−25 51.7	1.681	2.661	7.4	20.5
7 30	18 28.79	−25 50.4	1.728	2.652	11.2	20.7
8 9	18 24.16	−25 45.0	1.795	2.644	14.6	20.9

483818 2005 WX_{125} 7 3.4 100°.54 0°.5/ 3.3 15

5 31	19 19.41	−23 15.6	1.914	2.781	13.1	22.3
6 10	19 12.74	−23 33.8	1.862	2.803	9.6	22.1
6 20	19 4.04	−23 53.3	1.834	2.825	5.6	21.9
6 30	18 54.12	−24 11.5	1.832	2.847	1.5	21.7
7 10	18 44.04	−24 26.2	1.858	2.868	2.8	21.8
7 20	18 34.83	−24 36.3	1.912	2.889	6.8	22.1
7 30	18 27.37	−24 42.0	1.991	2.909	10.3	22.4
8 9	18 22.24	−24 44.3	2.092	2.929	13.3	22.6

437459 2013 YK_{19} 7 3.4 149°.62 0°.8/ 3.3 17

5 31	19 17.90	−24 48.0	2.035	2.903	12.4	22.3
6 10	19 11.72	−24 59.7	1.967	2.909	9.1	22.1
6 20	19 3.51	−25 11.6	1.923	2.914	5.4	21.9
6 30	18 54.01	−25 21.1	1.905	2.920	1.6	21.6
7 10	18 44.21	−25 26.6	1.915	2.925	2.9	21.7
7 20	18 35.11	−25 27.1	1.952	2.929	6.7	22.0
7 30	18 27.62	−25 23.2	2.015	2.933	10.2	22.2
8 9	18 22.36	−25 16.1	2.101	2.937	13.2	22.4

462218 2007 VG_{269} 7 3.4 324°.48 3°.8/ 4.1 17

5 31	19 11.02	−15 19.5	1.046	1.948	18.7	20.6
6 10	19 8.31	−15 12.5	0.967	1.923	14.4	20.3
6 20	19 2.34	−15 19.4	0.906	1.899	9.4	19.9
6 30	18 53.86	−15 40.8	0.865	1.876	4.6	19.6
7 10	18 44.29	−16 15.1	0.845	1.854	5.4	19.5
7 20	18 35.31	−16 59.0	0.846	1.834	10.9	19.7
7 30	18 28.67	−17 48.5	0.866	1.815	16.5	20.0
8 9	18 25.61	−18 39.4	0.903	1.797	21.6	20.2

398434 2011 UO_{28} 7 3.4 153°.39 1°.3/ 3.6 18

5 31	19 14.53	−19 31.9	2.311	3.173	11.3	21.4
6 10	19 9.00	−19 16.3	2.238	3.175	8.4	21.2
6 20	19 1.80	−19 3.4	2.189	3.177	5.1	21.0
6 30	18 53.56	−18 52.8	2.166	3.179	1.9	20.8
7 10	18 45.08	−18 44.0	2.172	3.181	2.7	20.9
7 20	18 37.15	−18 36.8	2.205	3.183	6.0	21.1
7 30	18 30.51	−18 31.2	2.265	3.184	9.2	21.3
8 9	18 25.72	−18 27.1	2.348	3.186	12.0	21.5

479174 2013 CF_{45} 7 3.4 61°.81 4°.8/ 2.8 18

5 31	19 18.84	−37 21.1	2.199	3.055	12.0	21.5
6 10	19 12.47	−37 38.8	2.131	3.056	9.4	21.3
6 20	19 3.96	−37 47.5	2.086	3.058	6.7	21.1
6 30	18 54.13	−37 43.5	2.067	3.060	4.9	21.0
7 10	18 44.03	−37 25.0	2.075	3.062	5.5	21.1
7 20	18 34.74	−36 52.4	2.109	3.064	7.9	21.2
7 30	18 27.21	−36 8.5	2.169	3.066	10.6	21.4
8 9	18 22.06	−35 17.0	2.251	3.068	13.1	21.6

334003 2000 UL_{17} 7 3.4 273°.82 1°.9/ 3.8 18

5 31	19 16.28	−17 15.1	1.914	2.778	13.2	21.9
6 10	19 10.91	−17 20.7	1.816	2.753	10.0	21.6
6 20	19 3.29	−17 33.2	1.740	2.728	6.3	21.4
6 30	18 54.04	−17 51.7	1.690	2.702	2.5	21.1
7 10	18 44.07	−18 14.3	1.667	2.676	3.3	21.1
7 20	18 34.47	−18 39.3	1.671	2.649	7.5	21.3
7 30	18 26.29	−19 5.3	1.700	2.623	11.5	21.5
8 9	18 20.39	−19 31.2	1.751	2.595	15.1	21.6

259854 2004 CA_{86} 7 3.4 168°.05 2°.5/ 4.0 17

5 31	19 17.51	−15 27.6	1.794	2.656	14.1	21.6
6 10	19 11.62	−15 33.1	1.724	2.659	10.6	21.4
6 20	19 3.55	−15 47.1	1.676	2.662	6.7	21.2
6 30	18 54.06	−16 8.5	1.654	2.664	3.1	20.9
7 10	18 44.16	−16 35.3	1.658	2.666	3.7	21.0
7 20	18 34.93	−17 5.5	1.690	2.667	7.5	21.2
7 30	18 27.36	−17 37.2	1.746	2.668	11.3	21.4
8 9	18 22.14	−18 8.8	1.824	2.669	14.6	21.7

388244 2006 KP_{44} 7 3.4 197°.70 6°.1/ 5.4 18

5 31	19 14.08	− 4 24.8	2.086	2.911	13.7	21.0
6 10	19 8.85	− 4 20.0	2.009	2.910	11.1	20.8
6 20	19 1.83	− 4 30.4	1.955	2.908	8.4	20.7
6 30	18 53.62	− 4 57.0	1.925	2.906	6.4	20.5
7 10	18 45.05	− 5 39.0	1.921	2.904	6.3	20.5
7 20	18 36.95	− 6 33.9	1.944	2.901	8.3	20.6
7 30	18 30.15	− 7 38.3	1.993	2.898	10.9	20.8
8 9	18 25.25	− 8 48.2	2.064	2.895	13.6	21.0

177244 2003 VA_1 7 3.4 225°.28 12°.9/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 36.64	−56 10.5	1.983	2.765	15.8	20.5
6 10	19 27.64	−57 47.2	1.918	2.755	14.4	20.3
6 20	19 14.01	−59 3.6	1.872	2.743	13.3	20.2
6 30	18 56.92	−59 48.8	1.849	2.731	12.9	20.2
7 10	18 38.63	−59 55.7	1.847	2.719	13.4	20.2
7 20	18 21.75	−59 23.7	1.867	2.706	14.7	20.2
7 30	18 8.52	−58 19.1	1.906	2.692	16.3	20.3
8 9	18 0.15	−56 51.8	1.963	2.677	18.1	20.4

310330 2011 UJ_{180} 7 3.4 345°.41 5°.0/ 2.3 18

5 31	19 16.86	−34 59.3	1.892	2.761	13.1	19.7
6 10	19 11.42	−35 41.1	1.823	2.758	10.1	19.5
6 20	19 3.56	−36 16.4	1.776	2.755	7.1	19.3
6 30	18 54.09	−36 40.0	1.755	2.753	5.1	19.1
7 10	18 44.17	−36 48.7	1.760	2.750	5.9	19.2
7 20	18 35.00	−36 41.5	1.790	2.748	8.7	19.4
7 30	18 27.71	−36 20.4	1.843	2.747	11.8	19.5
8 9	18 23.02	−35 49.0	1.918	2.746	14.7	19.7

512664 2016 TV_{72} 7 3.4 289°.44 2°.0/ 3.9 18

5 31	19 13.72	−16 25.6	1.946	2.812	12.9	20.9
6 10	19 8.87	−16 35.3	1.860	2.799	9.8	20.6
6 20	19 1.98	−16 52.5	1.797	2.785	6.1	20.4
6 30	18 53.69	−17 16.4	1.760	2.772	2.6	20.1
7 10	18 44.89	−17 45.1	1.749	2.758	3.3	20.1
7 20	18 36.54	−18 16.6	1.765	2.745	7.1	20.3
7 30	18 29.60	−18 49.0	1.806	2.731	10.8	20.5
8 9	18 24.79	−19 21.1	1.870	2.718	14.1	20.7

214172 2005 CM_{53} 7 3.4 67°.85 2°.5/ 2.9 17

5 31	19 19.77	−26 52.7	1.344	2.230	16.4	20.3
6 10	19 13.93	−27 25.5	1.292	2.242	12.1	20.0
6 20	19 5.15	−27 57.6	1.260	2.253	7.3	19.8
6 30	18 54.50	−28 24.0	1.251	2.264	3.0	19.6
7 10	18 43.48	−28 40.6	1.268	2.276	4.5	19.7
7 20	18 33.62	−28 46.2	1.309	2.288	9.1	20.0
7 30	18 26.18	−28 42.1	1.373	2.299	13.4	20.3
8 9	18 21.93	−28 31.2	1.456	2.311	17.1	20.5

307623 2003 SL_{47} 7 3.4 293°.65 4°.7/ 2.8 17

5 31	19 20.14	−32 17.7	1.377	2.260	16.2	20.1
6 10	19 14.67	−32 46.4	1.300	2.246	12.4	19.9
6 20	19 5.90	−33 9.2	1.245	2.232	8.2	19.6
6 30	18 54.78	−33 20.0	1.212	2.219	5.0	19.4
7 10	18 42.85	−33 14.1	1.203	2.205	6.1	19.4
7 20	18 31.85	−32 51.0	1.219	2.192	10.3	19.6
7 30	18 23.35	−32 13.5	1.256	2.178	14.7	19.8
8 9	18 18.35	−31 27.2	1.313	2.165	18.7	20.0

121331 Savannahsalazar 7 3.4 278°.55 4°.7/ 4.7 18

5 31	19 11.89	− 8 28.2	2.280	3.120	12.2	20.1
6 10	19 7.15	− 8 12.8	2.200	3.114	9.7	19.9
6 20	19 0.79	− 8 8.2	2.142	3.108	7.0	19.7
6 30	18 53.37	− 8 15.0	2.110	3.102	5.0	19.6
7 10	18 45.62	− 8 33.1	2.105	3.096	5.1	19.6
7 20	18 38.29	− 9 1.0	2.127	3.090	7.2	19.7
7 30	18 32.12	− 9 36.8	2.174	3.084	10.0	19.9
8 9	18 27.67	−10 18.0	2.243	3.078	12.6	20.0

111855 2002 EM_{67} 7 3.4 172°.24 5°.9/ 5.3 18

5 31	19 11.81	− 1 49.2	2.856	3.657	11.0	20.7
6 10	19 6.74	− 1 24.1	2.781	3.660	9.1	20.6
6 20	19 0.40	− 1 10.9	2.729	3.662	7.3	20.4
6 30	18 53.26	− 1 10.7	2.703	3.664	6.1	20.4
7 10	18 45.90	− 1 23.8	2.704	3.665	6.0	20.4
7 20	18 38.92	− 1 49.2	2.732	3.666	7.2	20.4
7 30	18 32.86	− 2 25.0	2.785	3.667	9.0	20.6
8 9	18 28.19	− 3 8.7	2.862	3.667	10.9	20.7

504600 2008 UR_{121} 7 3.4 150°.13 0°.2/ 3.5 17

5 31	19 17.50	−22 36.1	2.230	3.092	11.7	22.0
6 10	19 11.23	−22 28.2	2.160	3.099	8.6	21.8
6 20	19 3.16	−22 21.1	2.115	3.105	5.1	21.6
6 30	18 53.98	−22 13.6	2.097	3.112	1.3	21.4
7 10	18 44.57	−22 4.8	2.107	3.118	2.5	21.5
7 20	18 35.80	−21 54.7	2.145	3.123	6.1	21.7
7 30	18 28.49	−21 43.7	2.210	3.128	9.5	21.9
8 9	18 23.18	−21 32.4	2.298	3.132	12.3	22.1

137714 1999 XY_{96} 7 3.4 254°.71 2°.9/ 2.6 18

5 31	19 19.86	−27 25.2	1.745	2.617	13.9	20.6
6 10	19 13.94	−28 17.8	1.658	2.600	10.4	20.3
6 20	19 5.30	−29 11.8	1.593	2.583	6.5	20.1
6 30	18 54.64	−30 2.0	1.554	2.565	3.1	19.8
7 10	18 43.15	−30 43.4	1.542	2.547	4.6	19.9
7 20	18 32.16	−31 12.6	1.557	2.528	8.6	20.1
7 30	18 22.99	−31 29.3	1.595	2.509	12.7	20.3
8 9	18 16.63	−31 35.4	1.655	2.489	16.3	20.5

317890 2003 UY_{160} 7 3.4 108°.44 0°.3/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 20.09	−21 36.0	1.589	2.462	15.0	21.4
6 10	19 13.66	−21 41.3	1.533	2.476	11.0	21.2
6 20	19 4.79	−21 49.7	1.498	2.490	6.5	21.0
6 30	18 54.42	−21 58.9	1.489	2.504	1.7	20.7
7 10	18 43.78	−22 6.9	1.506	2.517	3.2	20.8
7 20	18 34.11	−22 12.6	1.549	2.530	7.7	21.1
7 30	18 26.47	−22 16.1	1.617	2.542	11.8	21.4
8 9	18 21.54	−22 17.9	1.706	2.554	15.3	21.6

139938 2001 RQ_{134} 7 3.4 204°.70 1°.0/ 3.7 18 R

5 31	19 14.32	−18 40.3	2.285	3.147	11.4	20.0
6 10	19 8.99	−18 56.1	2.207	3.144	8.5	19.8
6 20	19 1.91	−19 16.8	2.153	3.142	5.1	19.6
6 30	18 53.68	−19 40.9	2.125	3.139	1.7	19.3
7 10	18 45.10	−20 6.7	2.126	3.136	2.5	19.4
7 20	18 36.99	−20 32.3	2.154	3.133	6.1	19.6
7 30	18 30.15	−20 56.8	2.209	3.129	9.4	19.8
8 9	18 25.16	−21 19.5	2.287	3.126	12.2	20.0

11694 Esterhuysen 7 3.4 202°.27 2°.2/ 3.9 18

5 31	19 18.19	−16 53.1	1.689	2.555	14.6	18.9
6 10	19 12.34	−16 54.8	1.614	2.553	11.0	18.7
6 20	19 4.11	−17 4.1	1.562	2.550	6.8	18.4
6 30	18 54.28	−17 19.6	1.534	2.546	2.9	18.2
7 10	18 43.96	−17 39.7	1.534	2.542	3.6	18.2
7 20	18 34.31	−18 2.5	1.559	2.538	7.8	18.4
7 30	18 26.42	−18 26.5	1.609	2.533	11.9	18.7
8 9	18 21.06	−18 50.5	1.680	2.528	15.5	18.9

386459 2008 XO_{27} 7 3.4 190°.86 5°.3/ 1.6 17

5 31	19 20.41	−36 48.8	2.318	3.170	11.7	21.5
6 10	19 13.81	−37 53.7	2.246	3.168	9.1	21.4
6 20	19 4.93	−38 52.2	2.199	3.167	6.7	21.2
6 30	18 54.50	−39 39.1	2.178	3.165	5.4	21.1
7 10	18 43.54	−40 10.4	2.185	3.162	6.1	21.2
7 20	18 33.16	−40 24.5	2.218	3.159	8.3	21.3
7 30	18 24.42	−40 22.8	2.277	3.155	10.9	21.5
8 9	18 18.06	−40 8.4	2.357	3.151	13.3	21.6

237807 2002 CK_{54} 7 3.4 238°.16 5°.8/ 2.9 18

5 31	19 22.43	−38 1.3	1.807	2.666	14.1	20.0
6 10	19 15.63	−38 23.0	1.737	2.663	11.1	19.8
6 20	19 6.09	−38 33.9	1.688	2.660	8.0	19.6
6 30	18 54.78	−38 28.5	1.664	2.657	6.0	19.5
7 10	18 43.08	−38 4.3	1.667	2.654	6.6	19.5
7 20	18 32.38	−37 22.0	1.694	2.650	9.3	19.7
7 30	18 23.90	−36 25.6	1.746	2.647	12.5	19.9
8 9	18 18.40	−35 20.6	1.819	2.643	15.5	20.1

480451 2015 KR_{158} 7 3.4 117°.63 3°.4/ 2.9 17

5 31	19 20.15	−32 26.7	2.047	2.910	12.5	21.3
6 10	19 13.42	−32 44.9	1.987	2.921	9.4	21.1
6 20	19 4.54	−32 57.3	1.950	2.933	6.1	21.0
6 30	18 54.35	−33 0.2	1.939	2.944	3.6	20.8
7 10	18 43.94	−32 51.8	1.956	2.955	4.4	20.9
7 20	18 34.39	−32 32.3	1.999	2.966	7.4	21.1
7 30	18 26.65	−32 3.8	2.069	2.976	10.5	21.3
8 9	18 21.33	−31 29.4	2.160	2.986	13.3	21.5

257962 2001 BN_{51} 7 3.4 54°.00 1°.8/ 3.7 17

5 31	19 17.84	−18 37.3	1.248	2.134	17.3	19.9
6 10	19 12.39	−18 37.5	1.201	2.151	12.8	19.7
6 20	19 4.18	−18 45.4	1.174	2.167	7.8	19.5
6 30	18 54.28	−18 58.9	1.171	2.184	2.7	19.2
7 10	18 44.13	−19 15.8	1.191	2.202	3.9	19.4
7 20	18 35.16	−19 33.8	1.236	2.220	8.8	19.7
7 30	18 28.53	−19 51.9	1.303	2.238	13.3	20.0
8 9	18 24.93	−20 9.0	1.389	2.256	17.1	20.3

37543 1981 ER_8 7 3.4 161°.88 1°.5/ 3.2 18

5 31	19 18.77	−26 44.0	2.028	2.895	12.5	20.1
6 10	19 12.44	−26 55.4	1.958	2.899	9.2	19.9
6 20	19 4.00	−27 5.3	1.912	2.903	5.5	19.7
6 30	18 54.24	−27 11.1	1.893	2.906	2.0	19.4
7 10	18 44.15	−27 10.9	1.901	2.909	3.2	19.5
7 20	18 34.78	−27 4.3	1.936	2.911	6.9	19.8
7 30	18 27.07	−26 52.1	1.997	2.914	10.4	20.0
8 9	18 21.65	−26 36.2	2.081	2.915	13.4	20.2

319125 2005 XR_{83} 7 3.4 236°.59 2°.5/ 2.3 18

5 31	19 15.61	−29 0.5	2.773	3.631	9.8	21.3
6 10	19 9.91	−29 56.3	2.685	3.620	7.3	21.1
6 20	19 2.49	−30 51.7	2.622	3.608	4.6	20.9
6 30	18 53.87	−31 43.2	2.588	3.595	2.6	20.7
7 10	18 44.78	−32 27.7	2.583	3.582	3.5	20.8
7 20	18 35.99	−33 3.2	2.607	3.569	6.1	20.9
7 30	18 28.31	−33 29.1	2.658	3.556	8.8	21.1
8 9	18 22.35	−33 46.2	2.732	3.542	11.2	21.2

91232 1999 BE_{25} 7 3.4 139°.06 2°.6/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 19.35	−15 12.1	1.556	2.422	15.6	19.2
6 10	19 13.23	−15 26.4	1.493	2.430	11.8	19.0
6 20	19 4.64	−15 51.0	1.452	2.438	7.4	18.8
6 30	18 54.44	−16 24.3	1.435	2.446	3.3	18.6
7 10	18 43.83	−17 3.2	1.445	2.453	3.9	18.6
7 20	18 34.04	−17 44.8	1.480	2.460	8.1	18.9
7 30	18 26.19	−18 26.5	1.541	2.466	12.3	19.1
8 9	18 21.03	−19 6.6	1.622	2.472	15.9	19.4

501260 2013 WY_3 7 3.4 143°.19 7°.6/ 3.6 18

5 31	19 17.76	− 6 7.9	1.882	2.713	14.7	20.5
6 10	19 11.60	− 4 40.4	1.815	2.717	12.0	20.3
6 20	19 3.47	− 3 24.2	1.771	2.721	9.4	20.1
6 30	18 54.11	− 2 23.4	1.751	2.724	7.8	20.0
7 10	18 44.47	− 1 40.7	1.758	2.727	8.1	20.1
7 20	18 35.49	− 1 17.0	1.791	2.730	10.1	20.2
7 30	18 28.06	− 1 11.2	1.848	2.733	12.7	20.4
8 9	18 22.80	− 1 20.4	1.925	2.736	15.2	20.5

38967 2000 TF_{36} 7 3.4 144°.79 1°.9/ 3.8 18

5 31	19 16.78	−18 5.3	1.882	2.748	13.3	20.2
6 10	19 11.00	−17 55.2	1.813	2.752	10.0	20.0
6 20	19 3.17	−17 50.0	1.768	2.756	6.1	19.8
6 30	18 54.05	−17 49.2	1.747	2.760	2.5	19.6
7 10	18 44.60	−17 51.7	1.754	2.763	3.3	19.7
7 20	18 35.84	−17 56.7	1.788	2.767	7.1	19.9
7 30	18 28.68	−18 3.6	1.847	2.770	10.7	20.1
8 9	18 23.76	−18 11.9	1.928	2.773	13.9	20.3

492327 2014 DJ_{17} 7 3.4 3°.22 20°.3/14.9 17

5 31	19 13.77	+18 10.2	1.023	1.797	28.0	20.0
6 10	19 10.05	+18 48.9	0.970	1.795	25.9	19.8
6 20	19 3.19	+18 36.5	0.928	1.795	23.7	19.6
6 30	18 54.13	+17 22.7	0.898	1.795	21.7	19.5
7 10	18 44.39	+15 4.6	0.884	1.796	20.5	19.4
7 20	18 35.58	+11 48.7	0.887	1.798	20.5	19.4
7 30	18 29.20	+ 7 50.5	0.909	1.801	21.8	19.5
8 9	18 26.23	+ 3 31.6	0.948	1.805	24.0	19.7

302660 2002 RL_{277} 7 3.4 346°.42 7°.3/ 2.9 16

5 31	19 19.74	−40 1.0	1.516	2.386	15.8	20.1
6 10	19 14.16	−40 24.5	1.449	2.379	12.6	19.8
6 20	19 5.45	−40 34.1	1.402	2.373	9.5	19.6
6 30	18 54.67	−40 23.4	1.378	2.367	7.5	19.5
7 10	18 43.44	−39 49.4	1.378	2.363	8.1	19.5
7 20	18 33.38	−38 53.2	1.402	2.359	10.8	19.7
7 30	18 25.87	−37 40.2	1.448	2.356	14.1	19.9
8 9	18 21.72	−36 17.5	1.514	2.354	17.3	20.1

404859 2014 KF_{20} 7 3.4 314°.10 4°.5/ 5.1 18

5 31	19 11.86	− 8 18.0	2.120	2.963	12.9	20.3
6 10	19 7.31	− 8 29.0	2.037	2.955	10.2	20.2
6 20	19 1.00	− 8 53.2	1.977	2.947	7.3	20.0
6 30	18 53.50	− 9 30.5	1.943	2.939	4.9	19.8
7 10	18 45.60	−10 19.6	1.935	2.931	4.9	19.8
7 20	18 38.11	−11 17.7	1.954	2.924	7.3	19.9
7 30	18 31.83	−12 21.7	1.998	2.916	10.3	20.1
8 9	18 27.41	−13 28.0	2.065	2.909	13.2	20.3

111700 2002 CN_{18} 7 3.4 226°.22 1°.1/ 3.1 18

5 31	19 14.71	−24 14.6	2.460	3.324	10.7	19.8
6 10	19 9.30	−24 54.8	2.378	3.318	7.8	19.6
6 20	19 2.14	−25 37.0	2.321	3.312	4.7	19.4
6 30	18 53.80	−26 18.3	2.292	3.306	1.5	19.2
7 10	18 45.05	−26 56.1	2.291	3.299	2.7	19.3
7 20	18 36.70	−27 28.3	2.318	3.292	6.0	19.5
7 30	18 29.56	−27 54.1	2.372	3.286	9.1	19.7
8 9	18 24.25	−28 13.8	2.449	3.278	11.8	19.8

287290 2002 TT_{194} 7 3.4 291°.28 1°.7/ 3.1 18

5 31	19 16.09	−26 37.4	1.875	2.750	13.0	20.9
6 10	19 10.80	−26 54.9	1.794	2.739	9.6	20.7
6 20	19 3.24	−27 11.7	1.736	2.727	5.8	20.4
6 30	18 54.11	−27 25.1	1.703	2.716	2.2	20.2
7 10	18 44.47	−27 32.3	1.696	2.705	3.4	20.2
7 20	18 35.43	−27 32.4	1.716	2.693	7.4	20.5
7 30	18 28.04	−27 25.8	1.761	2.682	11.3	20.7
8 9	18 23.07	−27 14.2	1.827	2.671	14.6	20.9

395070 2009 GO_1 7 3.4 313°.43 4°.0/ 3.9 18

5 31	19 12.75	−13 26.3	1.910	2.772	13.3	20.6
6 10	19 8.17	−12 52.3	1.823	2.755	10.3	20.4
6 20	19 1.61	−12 25.6	1.758	2.738	7.0	20.1
6 30	18 53.68	−12 7.4	1.719	2.722	4.4	19.9
7 10	18 45.28	−11 58.2	1.705	2.705	4.8	19.9
7 20	18 37.35	−11 57.9	1.717	2.689	7.9	20.1
7 30	18 30.80	−12 5.5	1.753	2.674	11.3	20.3
8 9	18 26.34	−12 19.6	1.811	2.659	14.6	20.4

296101 2009 BT_{42} 7 3.4 278°.04 1°.1/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 14.69	−18 57.1	1.940	2.809	12.9	21.3
6 10	19 9.62	−19 10.4	1.857	2.798	9.6	21.1
6 20	19 2.48	−19 29.3	1.797	2.787	5.8	20.9
6 30	18 53.91	−19 52.3	1.762	2.776	1.9	20.6
7 10	18 44.85	−20 17.3	1.754	2.765	2.9	20.6
7 20	18 36.28	−20 42.5	1.774	2.754	6.9	20.9
7 30	18 29.17	−21 6.5	1.818	2.743	10.8	21.1
8 9	18 24.24	−21 28.6	1.885	2.732	14.1	21.3

152135 2004 TC_{145} 7 3.4 310°.54 1°.5/ 3.1 18

5 31	19 13.85	−26 22.4	2.209	3.080	11.4	19.7
6 10	19 8.83	−26 43.9	2.129	3.072	8.4	19.5
6 20	19 1.92	−27 5.1	2.074	3.065	5.1	19.2
6 30	18 53.76	−27 23.5	2.044	3.057	1.9	19.0
7 10	18 45.20	−27 37.0	2.042	3.050	3.0	19.1
7 20	18 37.15	−27 44.3	2.067	3.043	6.5	19.3
7 30	18 30.47	−27 45.7	2.118	3.036	9.8	19.5
8 9	18 25.80	−27 42.1	2.191	3.030	12.7	19.7

14876 Dampier 7 3.4 165°.67 0°.0/ 3.5 18

5 31	19 17.84	−20 34.5	1.793	2.662	13.7	18.1
6 10	19 12.01	−21 6.6	1.723	2.665	10.1	17.9
6 20	19 3.91	−21 44.1	1.675	2.667	6.0	17.6
6 30	18 54.29	−22 23.9	1.654	2.669	1.6	17.3
7 10	18 44.21	−23 2.6	1.660	2.671	2.9	17.4
7 20	18 34.80	−23 37.6	1.693	2.672	7.3	17.7
7 30	18 27.09	−24 7.7	1.750	2.673	11.2	17.9
8 9	18 21.83	−24 32.6	1.830	2.674	14.6	18.2

510700 2012 UA_{152} 7 3.5 244°.56 3°.2/ 2.4 18

5 31	19 18.08	−30 20.9	2.246	3.109	11.6	22.7
6 10	19 12.11	−31 8.1	2.158	3.094	8.7	22.5
6 20	19 3.98	−31 53.8	2.095	3.080	5.7	22.3
6 30	18 54.33	−32 33.4	2.059	3.064	3.4	22.1
7 10	18 44.09	−33 3.6	2.050	3.049	4.3	22.2
7 20	18 34.29	−33 22.2	2.069	3.033	7.4	22.3
7 30	18 25.94	−33 29.5	2.114	3.016	10.6	22.5
8 9	18 19.80	−33 27.3	2.180	2.999	13.4	22.7

494445 2016 UW_{118} 7 3.5 164°.00 6°.2/ 1.6 18

5 31	19 18.78	−39 55.9	2.281	3.130	11.9	21.5
6 10	19 12.68	−40 54.9	2.215	3.131	9.5	21.3
6 20	19 4.29	−41 45.1	2.172	3.131	7.4	21.2
6 30	18 54.39	−42 21.3	2.155	3.132	6.2	21.1
7 10	18 44.04	−42 40.0	2.165	3.132	6.9	21.2
7 20	18 34.36	−42 40.3	2.200	3.133	8.8	21.3
7 30	18 26.41	−42 24.0	2.259	3.133	11.1	21.4
8 9	18 20.89	−41 55.0	2.340	3.133	13.4	21.6

387875 2004 RO_{329} 7 3.5 301°.99 20°.9/27.1 17

5 31	19 36.10	−58 34.8	1.083	1.907	23.7	20.1
6 10	19 30.78	−61 5.9	1.035	1.896	22.2	19.9
6 20	19 17.78	−63 6.9	1.003	1.884	21.2	19.8
6 30	18 58.32	−64 17.4	0.985	1.873	21.0	19.8
7 10	18 36.49	−64 23.2	0.983	1.863	21.7	19.8
7 20	18 17.56	−63 24.0	0.996	1.852	23.2	19.8
7 30	18 5.54	−61 32.4	1.023	1.842	25.2	19.9
8 9	18 1.59	−59 6.8	1.061	1.833	27.3	20.1

55279 2001 SX_{17} 7 3.5 62°.58 1°.1/ 3.2 18

5 31	19 15.46	−24 56.5	2.000	2.873	12.4	18.6
6 10	19 10.08	−25 19.7	1.931	2.875	9.1	18.4
6 20	19 2.68	−25 43.7	1.886	2.878	5.4	18.2
6 30	18 53.96	−26 5.7	1.866	2.881	1.7	18.0
7 10	18 44.89	−26 23.2	1.874	2.883	3.0	18.1
7 20	18 36.46	−26 35.1	1.909	2.886	6.8	18.3
7 30	18 29.58	−26 41.2	1.968	2.889	10.3	18.5
8 9	18 24.90	−26 42.5	2.050	2.892	13.3	18.7

273878 2007 HN_6 7 3.5 66°.71 5°.6/ 4.5 17

5 31	19 15.17	− 9 40.5	1.665	2.521	15.3	20.1
6 10	19 9.96	− 9 8.2	1.602	2.526	12.0	19.9
6 20	19 2.63	− 8 48.6	1.560	2.532	8.6	19.7
6 30	18 53.95	− 8 43.0	1.543	2.538	6.0	19.5
7 10	18 44.94	− 8 51.4	1.550	2.544	6.1	19.6
7 20	18 36.65	− 9 12.3	1.583	2.550	8.9	19.7
7 30	18 30.04	− 9 43.3	1.639	2.556	12.2	19.9
8 9	18 25.75	−10 21.0	1.716	2.563	15.3	20.2

231577 2008 UQ_{94} 7 3.5 279°.45 4°.5/ 3.2 18

5 31	19 21.51	−34 52.6	1.767	2.633	14.0	20.1
6 10	19 15.02	−34 57.1	1.687	2.622	10.8	19.9
6 20	19 5.81	−34 52.4	1.629	2.610	7.3	19.7
6 30	18 54.81	−34 34.2	1.596	2.599	4.7	19.5
7 10	18 43.32	−34 0.1	1.589	2.587	5.4	19.5
7 20	18 32.72	−33 11.3	1.608	2.576	8.8	19.7
7 30	18 24.23	−32 11.4	1.652	2.564	12.4	19.9
8 9	18 18.66	−31 5.7	1.717	2.553	15.8	20.1

272799 2006 AC_{11} 7 3.5 339°.81 4°.9/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 11.01	− 9 10.1	1.268	2.145	17.7	19.3
6 10	19 7.75	− 9 45.5	1.192	2.131	13.9	19.0
6 20	19 1.78	−10 43.9	1.135	2.118	9.6	18.7
6 30	18 53.82	−12 4.7	1.100	2.106	5.7	18.5
7 10	18 45.07	−13 43.4	1.089	2.095	5.6	18.4
7 20	18 36.89	−15 32.7	1.101	2.085	9.6	18.6
7 30	18 30.65	−17 24.7	1.136	2.077	14.2	18.9
8 9	18 27.35	−19 12.4	1.190	2.070	18.5	19.1

415852 2001 SN_{97} 7 3.5 317°.67 1°.9/ 3.2 17

5 31	19 16.54	−26 11.5	1.106	2.007	17.9	21.3
6 10	19 12.46	−26 21.4	1.032	1.990	13.5	20.9
6 20	19 4.85	−26 31.2	0.978	1.974	8.2	20.6
6 30	18 54.66	−26 36.6	0.944	1.959	2.8	20.2
7 10	18 43.51	−26 33.9	0.933	1.944	4.6	20.3
7 20	18 33.27	−26 21.9	0.944	1.930	10.5	20.6
7 30	18 25.69	−26 2.2	0.976	1.917	16.0	20.8
8 9	18 21.89	−25 38.0	1.024	1.905	20.7	21.1

174560 2003 FM_{101} 7 3.5 57°.90 3°.7/ 2.9 18

5 31	19 18.09	−33 32.6	2.068	2.933	12.3	19.7
6 10	19 11.99	−33 44.1	2.003	2.938	9.4	19.5
6 20	19 3.76	−33 48.9	1.961	2.943	6.2	19.3
6 30	18 54.23	−33 43.8	1.944	2.948	3.9	19.1
7 10	18 44.46	−33 27.1	1.955	2.953	4.6	19.2
7 20	18 35.49	−32 59.2	1.992	2.959	7.4	19.4
7 30	18 28.26	−32 22.4	2.055	2.964	10.5	19.6
8 9	18 23.40	−31 40.1	2.140	2.970	13.3	19.8

161922 2007 EA_{57} 7 3.5 150°.22 4°.6/ 1.8 18

5 31	19 16.97	−36 19.2	2.589	3.441	10.5	20.1
6 10	19 11.04	−37 16.0	2.521	3.445	8.2	20.0
6 20	19 3.20	−38 6.9	2.479	3.448	6.0	19.8
6 30	18 54.12	−38 47.9	2.463	3.452	4.7	19.8
7 10	18 44.65	−39 15.8	2.475	3.455	5.3	19.8
7 20	18 35.71	−39 29.5	2.515	3.458	7.3	19.9
7 30	18 28.16	−39 29.9	2.579	3.461	9.7	20.1
8 9	18 22.64	−39 19.5	2.666	3.463	11.8	20.2

308600 2005 VB_{85} 7 3.5 167°.31 3°.4/ 2.1 18

5 31	19 16.33	−31 53.7	2.637	3.495	10.2	20.9
6 10	19 10.50	−32 52.3	2.565	3.497	7.7	20.7
6 20	19 2.88	−33 48.2	2.519	3.499	5.2	20.6
6 30	18 54.06	−34 37.4	2.501	3.501	3.5	20.4
7 10	18 44.85	−35 16.7	2.511	3.503	4.3	20.5
7 20	18 36.09	−35 44.6	2.549	3.504	6.6	20.7
7 30	18 28.59	−36 1.0	2.613	3.506	9.2	20.8
8 9	18 22.96	−36 7.6	2.700	3.507	11.5	21.0

341261 2007 RS_{235} 7 3.5 329°.28 2°.0/ 3.1 16

5 31	19 16.39	−27 12.8	1.704	2.583	13.8	20.4
6 10	19 11.17	−27 28.8	1.632	2.578	10.3	20.2
6 20	19 3.53	−27 43.6	1.581	2.573	6.3	19.9
6 30	18 54.27	−27 53.8	1.556	2.569	2.4	19.7
7 10	18 44.53	−27 56.9	1.556	2.564	3.7	19.8
7 20	18 35.54	−27 52.1	1.582	2.560	7.8	20.0
7 30	18 28.39	−27 40.2	1.632	2.557	11.8	20.2
8 9	18 23.85	−27 23.4	1.703	2.553	15.2	20.4

518606 2007 YQ_{75} 7 3.5 83°.12 1°.4/ 3.3 17

5 31	19 20.60	−26 34.0	1.464	2.344	15.6	21.2
6 10	19 14.37	−26 31.6	1.405	2.352	11.5	21.0
6 20	19 5.41	−26 27.1	1.367	2.360	6.9	20.8
6 30	18 54.74	−26 17.7	1.354	2.368	2.2	20.5
7 10	18 43.76	−26 1.6	1.366	2.376	3.7	20.6
7 20	18 33.86	−25 39.4	1.403	2.384	8.4	20.9
7 30	18 26.24	−25 13.1	1.465	2.392	12.7	21.2
8 9	18 21.59	−24 45.2	1.546	2.400	16.3	21.4

103646 2000 CD_{36} 7 3.5 175°.26 2°.6/ 4.3 18

5 31	19 14.93	−13 8.1	2.732	3.572	10.4	20.8
6 10	19 9.15	−13 9.8	2.654	3.575	7.9	20.6
6 20	19 1.94	−13 18.2	2.600	3.577	5.3	20.5
6 30	18 53.81	−13 32.9	2.575	3.579	3.0	20.3
7 10	18 45.43	−13 53.0	2.578	3.580	3.2	20.3
7 20	18 37.46	−14 17.1	2.610	3.581	5.6	20.5
7 30	18 30.53	−14 44.2	2.670	3.581	8.3	20.7
8 9	18 25.15	−15 12.8	2.754	3.580	10.7	20.8

117135 2004 PQ_{78} 7 3.5 201°.57 7°.7/ 7.0 18

5 31	19 11.96	+ 6 41.0	2.957	3.708	11.8	20.2
6 10	19 6.91	+ 6 53.9	2.876	3.704	10.3	20.1
6 20	19 0.61	+ 6 50.6	2.816	3.700	8.9	20.0
6 30	18 53.48	+ 6 29.5	2.780	3.696	7.9	19.9
7 10	18 46.10	+ 5 50.5	2.769	3.691	7.7	19.9
7 20	18 39.04	+ 4 55.0	2.785	3.685	8.4	19.9
7 30	18 32.87	+ 3 45.8	2.826	3.680	9.8	20.0
8 9	18 28.03	+ 2 26.6	2.890	3.674	11.3	20.1

508296 2015 KB_{34} 7 3.5 59°.47 0°.0/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 16.57	−22 59.0	1.800	2.674	13.5	21.3
6 10	19 11.02	−22 57.9	1.734	2.678	9.9	21.1
6 20	19 3.31	−22 58.2	1.690	2.682	5.9	20.8
6 30	18 54.22	−22 58.2	1.672	2.687	1.5	20.6
7 10	18 44.80	−22 56.4	1.680	2.691	2.9	20.7
7 20	18 36.14	−22 52.3	1.715	2.695	7.1	20.9
7 30	18 29.20	−22 46.2	1.774	2.700	10.9	21.2
8 9	18 24.63	−22 38.9	1.856	2.705	14.2	21.4

106748 2000 XG_{2} 7 3.5 153°.71 3°.2/ 3.1 18

5 31	19 22.05	−30 14.0	1.566	2.441	15.1	19.6
6 10	19 15.50	−30 31.6	1.501	2.444	11.3	19.4
6 20	19 6.15	−30 44.3	1.458	2.447	7.1	19.2
6 30	18 54.98	−30 47.9	1.440	2.450	3.6	19.0
7 10	18 43.39	−30 39.5	1.447	2.452	4.7	19.1
7 20	18 32.82	−30 19.1	1.481	2.454	8.7	19.3
7 30	18 24.52	−29 49.4	1.537	2.456	12.7	19.5
8 9	18 19.25	−29 14.2	1.615	2.458	16.2	19.8

91416 1999 NH_{55} 7 3.5 20°.23 5°.0/ 3.6 18

5 31	19 16.03	−14 54.5	1.395	2.272	16.4	18.1
6 10	19 10.92	−13 43.4	1.336	2.277	12.6	17.9
6 20	19 3.34	−12 39.5	1.299	2.282	8.5	17.6
6 30	18 54.23	−11 45.8	1.285	2.289	5.4	17.5
7 10	18 44.83	−11 4.5	1.295	2.296	6.0	17.5
7 20	18 36.38	−10 36.7	1.330	2.304	9.5	17.8
7 30	18 29.95	−10 22.3	1.387	2.312	13.4	18.0
8 9	18 26.21	−10 19.1	1.464	2.321	16.9	18.3

342153 2008 SS_{142} 7 3.5 308°.31 0°.5/ 3.6 16

5 31	19 15.47	−20 51.0	1.677	2.554	14.1	21.0
6 10	19 10.50	−21 2.8	1.601	2.547	10.5	20.7
6 20	19 3.16	−21 19.2	1.547	2.540	6.3	20.5
6 30	18 54.22	−21 38.1	1.518	2.533	1.7	20.1
7 10	18 44.76	−21 57.2	1.515	2.526	3.1	20.2
7 20	18 35.93	−22 14.7	1.537	2.519	7.6	20.5
7 30	18 28.83	−22 29.6	1.584	2.513	11.8	20.7
8 9	18 24.25	−22 42.0	1.652	2.507	15.4	20.9

137520 1999 VP_{44} 7 3.5 239°.23 2°.7/ 3.0 18

5 31	19 21.37	−29 4.5	1.816	2.684	13.6	20.8
6 10	19 14.91	−29 25.6	1.731	2.671	10.2	20.6
6 20	19 5.84	−29 44.0	1.669	2.657	6.4	20.3
6 30	18 54.94	−29 55.5	1.632	2.643	3.0	20.1
7 10	18 43.40	−29 57.2	1.622	2.627	4.2	20.1
7 20	18 32.50	−29 48.0	1.639	2.612	8.1	20.3
7 30	18 23.48	−29 29.3	1.681	2.595	12.1	20.5
8 9	18 17.19	−29 4.2	1.744	2.579	15.6	20.7

98723 2000 YY_{11} 7 3.5 144°.78 3°.0/ 4.6 18

5 31	19 15.89	−12 8.7	2.064	2.913	13.0	20.0
6 10	19 10.26	−12 31.0	1.994	2.920	9.9	19.8
6 20	19 2.78	−13 4.0	1.947	2.926	6.5	19.6
6 30	18 54.09	−13 46.5	1.926	2.932	3.5	19.4
7 10	18 45.06	−14 36.1	1.933	2.937	3.7	19.4
7 20	18 36.57	−15 29.9	1.967	2.943	6.8	19.6
7 30	18 29.46	−16 25.1	2.028	2.947	10.1	19.8
8 9	18 24.36	−17 19.3	2.112	2.952	13.1	20.0

198168 2004 TM_{81} 7 3.5 278°.08 1°.5/ 3.2 18

5 31	19 17.45	−25 54.8	1.748	2.624	13.7	21.2
6 10	19 12.02	−26 11.2	1.666	2.611	10.2	20.9
6 20	19 4.12	−26 27.8	1.606	2.598	6.2	20.7
6 30	18 54.49	−26 41.2	1.570	2.584	2.1	20.4
7 10	18 44.26	−26 48.8	1.562	2.571	3.5	20.5
7 20	18 34.65	−26 49.4	1.579	2.558	7.8	20.7
7 30	18 26.81	−26 43.5	1.621	2.544	11.9	20.9
8 9	18 21.58	−26 32.7	1.683	2.531	15.5	21.1

440265 2004 RD_{103} 7 3.5 267°.12 8°.1/ 1.9 18

5 31	19 24.55	−49 6.9	2.535	3.344	12.0	21.1
6 10	19 17.05	−49 43.7	2.453	3.329	10.3	20.9
6 20	19 6.97	−50 6.2	2.394	3.313	8.9	20.8
6 30	18 55.21	−50 8.8	2.360	3.297	8.1	20.7
7 10	18 42.99	−49 48.5	2.351	3.281	8.5	20.7
7 20	18 31.64	−49 5.4	2.367	3.264	9.8	20.8
7 30	18 22.30	−48 3.0	2.407	3.248	11.7	20.9
8 9	18 15.73	−46 46.7	2.468	3.231	13.6	21.0

41531 2000 RN_{9} 7 3.5 254°.64 0°.1/ 3.5 18 R

5 31	19 16.80	−21 8.4	1.976	2.843	12.7	19.4
6 10	19 11.28	−21 28.9	1.887	2.828	9.5	19.2
6 20	19 3.58	−21 53.8	1.822	2.813	5.7	18.9
6 30	18 54.34	−22 20.7	1.783	2.798	1.5	18.6
7 10	18 44.53	−22 47.0	1.771	2.782	2.8	18.7
7 20	18 35.16	−23 10.8	1.787	2.766	7.0	18.9
7 30	18 27.27	−23 31.1	1.827	2.749	10.9	19.1
8 9	18 21.63	−23 47.9	1.890	2.732	14.3	19.3

227321 2005 TL_{106} 7 3.5 316°.24 4°.8/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 13.82	−13 24.7	1.371	2.249	16.6	20.8
6 10	19 9.71	−12 53.5	1.290	2.231	12.9	20.6
6 20	19 2.92	−12 32.9	1.230	2.214	8.8	20.3
6 30	18 54.21	−12 24.5	1.192	2.197	5.3	20.0
7 10	18 44.77	−12 28.6	1.177	2.181	5.8	20.0
7 20	18 35.93	−12 44.3	1.186	2.165	9.8	20.2
7 30	18 28.99	−13 9.6	1.217	2.150	14.2	20.4
8 9	18 24.89	−13 41.6	1.267	2.135	18.3	20.6

418006 2007 TE_{446} 7 3.5 293°.23 0°.1/ 3.4 17

5 31	19 17.08	−20 22.9	1.331	2.218	16.5	21.0
6 10	19 12.52	−21 5.8	1.245	2.196	12.4	20.7
6 20	19 4.85	−21 59.2	1.180	2.175	7.5	20.4
6 30	18 54.78	−22 58.9	1.138	2.153	2.0	20.0
7 10	18 43.61	−23 59.4	1.120	2.131	3.8	20.0
7 20	18 32.93	−24 55.6	1.127	2.110	9.5	20.3
7 30	18 24.33	−25 44.1	1.155	2.089	14.8	20.5
8 9	18 19.00	−26 24.1	1.203	2.068	19.3	20.8

521641 2015 QW_{16} 7 3.5 323°.12 4°.1/ 4.5 18

5 31	19 11.91	−10 56.9	2.171	3.021	12.4	21.2
6 10	19 7.31	−10 40.7	2.092	3.016	9.6	21.0
6 20	19 1.03	−10 33.9	2.037	3.010	6.7	20.8
6 30	18 53.64	−10 37.0	2.006	3.005	4.4	20.7
7 10	18 45.91	−10 49.8	2.003	3.000	4.6	20.7
7 20	18 38.64	−11 11.1	2.026	2.995	7.1	20.8
7 30	18 32.58	−11 39.1	2.074	2.991	10.0	21.0
8 9	18 28.33	−12 11.8	2.144	2.986	12.8	21.2

311405 2005 UD_{12} 7 3.5 165°.64 0°.7/ 3.7 18

5 31	19 13.57	−19 44.9	2.670	3.528	10.1	21.5
6 10	19 8.24	−19 52.3	2.595	3.531	7.5	21.3
6 20	19 1.45	−20 2.8	2.545	3.533	4.5	21.2
6 30	18 53.74	−20 15.3	2.522	3.536	1.4	20.9
7 10	18 45.77	−20 28.5	2.528	3.538	2.2	21.0
7 20	18 38.24	−20 41.4	2.562	3.540	5.3	21.2
7 30	18 31.81	−20 53.6	2.623	3.541	8.2	21.4
8 9	18 26.96	−21 4.7	2.709	3.543	10.7	21.6

370181 2002 CX_{46} 7 3.5 196°.58 9°.0/ 1.5 18

5 31	19 35.29	−55 4.0	2.852	3.616	11.9	22.5
6 10	19 24.96	−55 54.6	2.782	3.612	10.6	22.4
6 20	19 11.66	−56 28.2	2.734	3.607	9.5	22.3
6 30	18 56.44	−56 38.6	2.710	3.601	9.0	22.3
7 10	18 40.81	−56 22.4	2.712	3.594	9.3	22.3
7 20	18 26.34	−55 40.3	2.739	3.586	10.3	22.3
7 30	18 14.34	−54 36.3	2.789	3.578	11.6	22.4
8 9	18 5.59	−53 16.9	2.861	3.568	13.1	22.5

422650 1996 VC_{32} 7 3.5 251°.33 2°.8/ 3.1 17

5 31	19 21.19	−28 57.1	1.649	2.522	14.5	22.4
6 10	19 15.02	−29 18.0	1.566	2.508	10.9	22.2
6 20	19 6.02	−29 36.3	1.504	2.494	6.8	21.9
6 30	18 55.03	−29 47.4	1.468	2.479	3.2	21.6
7 10	18 43.32	−29 48.1	1.458	2.464	4.4	21.7
7 20	18 32.33	−29 37.3	1.474	2.449	8.7	21.9
7 30	18 23.38	−29 16.7	1.514	2.433	12.9	22.1
8 9	18 17.39	−28 49.6	1.575	2.417	16.6	22.3

17159 1999 KG_{15} 7 3.5 129°.02 0°.1/ 3.4 18

5 31	19 14.75	−21 13.4	2.171	3.038	11.8	18.0
6 10	19 9.47	−21 47.8	2.099	3.040	8.7	17.8
6 20	19 2.35	−22 26.3	2.051	3.042	5.1	17.6
6 30	18 54.00	−23 6.2	2.029	3.044	1.3	17.3
7 10	18 45.29	−23 44.7	2.036	3.046	2.5	17.4
7 20	18 37.09	−24 19.8	2.070	3.048	6.2	17.7
7 30	18 30.24	−24 50.2	2.130	3.050	9.6	17.9
8 9	18 25.38	−25 15.6	2.213	3.052	12.6	18.1

473997 2016 FH_{21} 7 3.5 28°.87 2°.4/ 4.1 17

5 31	19 14.70	−15 58.1	1.109	2.003	18.5	20.2
6 10	19 10.52	−16 21.8	1.060	2.013	13.8	19.9
6 20	19 3.38	−16 59.1	1.030	2.023	8.6	19.7
6 30	18 54.31	−17 47.0	1.022	2.035	3.4	19.4
7 10	18 44.81	−18 40.8	1.036	2.047	4.2	19.5
7 20	18 36.40	−19 35.7	1.073	2.060	9.3	19.8
7 30	18 30.41	−20 27.8	1.132	2.074	14.2	20.2
8 9	18 27.61	−21 14.8	1.209	2.089	18.3	20.5

439504 2014 AV_{53} 7 3.5 92°.84 0°.6/ 3.7 17

5 31	19 16.41	−19 44.1	1.944	2.811	12.9	21.8
6 10	19 10.72	−20 6.2	1.884	2.825	9.5	21.7
6 20	19 3.06	−20 33.2	1.848	2.838	5.7	21.5
6 30	18 54.18	−21 2.6	1.838	2.852	1.6	21.2
7 10	18 45.03	−21 32.1	1.855	2.866	2.7	21.3
7 20	18 36.57	−21 59.6	1.899	2.879	6.6	21.6
7 30	18 29.69	−22 24.3	1.969	2.892	10.2	21.8
8 9	18 24.97	−22 45.6	2.061	2.905	13.2	22.1

426247 2012 PS_{27} 7 3.5 37°.79 8°.5/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 13.82	− 0 41.2	1.483	2.316	17.9	20.1
6 10	19 9.20	− 0 43.8	1.426	2.326	14.8	19.9
6 20	19 2.33	− 1 11.2	1.388	2.336	11.6	19.8
6 30	18 54.01	− 2 4.6	1.372	2.347	9.1	19.7
7 10	18 45.34	− 3 21.7	1.379	2.359	8.7	19.7
7 20	18 37.42	− 4 57.1	1.411	2.371	10.5	19.8
7 30	18 31.28	− 6 43.7	1.466	2.383	13.4	20.0
8 9	18 27.60	− 8 34.0	1.542	2.395	16.4	20.2

32680 1095 T_{-1} 7 3.5 227°.39 3°.5/ 2.7 18

5 31	19 17.47	−33 37.1	2.549	3.405	10.6	19.1
6 10	19 11.40	−34 2.2	2.467	3.397	8.1	18.9
6 20	19 3.47	−34 22.3	2.409	3.388	5.5	18.7
6 30	18 54.31	−34 34.2	2.378	3.379	3.6	18.6
7 10	18 44.77	−34 35.7	2.376	3.370	4.3	18.6
7 20	18 35.75	−34 26.2	2.401	3.361	6.7	18.7
7 30	18 28.10	−34 6.9	2.452	3.351	9.4	18.9
8 9	18 22.45	−33 40.3	2.526	3.341	11.9	19.1

475429 2006 QZ_4 7 3.5 288°.46 0°.7/ 3.6 18

5 31	19 14.87	−20 39.6	1.962	2.832	12.7	21.5
6 10	19 9.76	−20 42.5	1.882	2.824	9.4	21.2
6 20	19 2.61	−20 48.9	1.824	2.816	5.7	21.0
6 30	18 54.10	−20 57.3	1.793	2.807	1.7	20.7
7 10	18 45.14	−21 6.3	1.788	2.799	2.8	20.8
7 20	18 36.73	−21 14.8	1.810	2.791	6.8	21.0
7 30	18 29.80	−21 22.2	1.858	2.783	10.6	21.2
8 9	18 25.03	−21 28.5	1.927	2.775	13.8	21.4

114589 2003 BE_{84} 7 3.5 134°.14 3°.6/ 2.8 18

5 31	19 17.90	−33 18.7	2.312	3.171	11.4	19.9
6 10	19 11.75	−33 42.2	2.244	3.177	8.6	19.8
6 20	19 3.65	−34 0.2	2.201	3.182	5.8	19.6
6 30	18 54.34	−34 9.3	2.185	3.187	3.7	19.5
7 10	18 44.75	−34 7.6	2.196	3.192	4.4	19.5
7 20	18 35.84	−33 54.7	2.234	3.196	7.0	19.7
7 30	18 28.48	−33 32.4	2.298	3.201	9.8	19.9
8 9	18 23.27	−33 3.2	2.384	3.205	12.4	20.1

146934 2002 CJ_{311} 7 3.5 185°.65 0°.3/ 3.6 18

5 31	19 14.18	−21 12.5	2.674	3.532	10.1	21.5
6 10	19 8.73	−21 20.6	2.595	3.532	7.4	21.3
6 20	19 1.77	−21 31.0	2.542	3.531	4.4	21.2
6 30	18 53.84	−21 42.2	2.516	3.530	1.2	20.9
7 10	18 45.65	−21 53.0	2.519	3.529	2.1	21.0
7 20	18 37.89	−22 2.6	2.550	3.528	5.3	21.2
7 30	18 31.23	−22 10.7	2.609	3.526	8.2	21.4
8 9	18 26.20	−22 17.1	2.691	3.524	10.8	21.6

370906 2005 GK_{75} 7 3.5 26°.49 2°.1/ 3.8 17

5 31	19 15.69	−18 34.3	1.174	2.067	17.7	21.2
6 10	19 11.14	−18 24.3	1.122	2.074	13.2	20.9
6 20	19 3.70	−18 22.3	1.088	2.082	8.1	20.6
6 30	18 54.40	−18 26.9	1.077	2.091	3.1	20.4
7 10	18 44.71	−18 36.3	1.089	2.100	4.1	20.5
7 20	18 36.11	−18 48.9	1.124	2.110	9.2	20.8
7 30	18 29.88	−19 3.3	1.181	2.121	13.9	21.1
8 9	18 26.77	−19 18.2	1.256	2.132	18.0	21.4

155554 1999 VW_{57} 7 3.5 271°.43 1°.9/ 3.9 18

5 31	19 13.45	−17 8.7	2.443	3.300	10.9	20.4
6 10	19 8.40	−17 0.8	2.350	3.283	8.2	20.2
6 20	19 1.69	−16 57.3	2.280	3.266	5.2	20.0
6 30	18 53.86	−16 57.9	2.237	3.248	2.3	19.8
7 10	18 45.62	−17 2.1	2.223	3.230	2.9	19.8
7 20	18 37.75	−17 9.0	2.236	3.212	6.0	20.0
7 30	18 30.99	−17 18.1	2.275	3.194	9.2	20.1
8 9	18 25.94	−17 28.7	2.338	3.176	12.0	20.3

379665 2011 EG_{75} 7 3.5 113°.69 7°.0/ 2.8 17

5 31	19 26.87	−41 58.6	1.959	2.800	13.9	20.6
6 10	19 18.69	−42 33.3	1.907	2.817	11.2	20.4
6 20	19 7.85	−42 54.3	1.878	2.834	8.6	20.3
6 30	18 55.43	−42 56.0	1.874	2.850	7.1	20.3
7 10	18 42.87	−42 36.1	1.896	2.866	7.5	20.3
7 20	18 31.55	−41 55.8	1.944	2.881	9.5	20.5
7 30	18 22.60	−40 59.8	2.017	2.896	12.1	20.7
8 9	18 16.66	−39 54.2	2.111	2.911	14.4	20.9

166665 2002 TB_{56} 7 3.5 207°.13 4°.1/ 2.6 18

5 31	19 18.97	−34 25.9	2.285	3.143	11.6	20.4
6 10	19 12.69	−34 58.5	2.210	3.139	8.9	20.2
6 20	19 4.31	−35 25.2	2.158	3.136	6.1	20.0
6 30	18 54.55	−35 42.1	2.133	3.131	4.2	19.9
7 10	18 44.38	−35 46.5	2.135	3.127	4.9	19.9
7 20	18 34.84	−35 37.8	2.164	3.122	7.5	20.1
7 30	18 26.89	−35 17.6	2.219	3.117	10.3	20.3
8 9	18 21.19	−34 48.8	2.296	3.112	12.9	20.4

438581 2007 UG_{100} 7 3.5 320°.10 0°.9/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 14.01	−20 58.3	1.580	2.462	14.5	20.8
6 10	19 9.65	−20 50.0	1.494	2.443	10.9	20.5
6 20	19 2.81	−20 45.1	1.431	2.424	6.6	20.2
6 30	18 54.21	−20 42.5	1.391	2.405	2.0	19.9
7 10	18 44.95	−20 40.9	1.376	2.387	3.3	19.9
7 20	18 36.27	−20 39.6	1.386	2.370	8.1	20.1
7 30	18 29.35	−20 38.3	1.420	2.353	12.6	20.4
8 9	18 25.06	−20 37.3	1.474	2.337	16.5	20.6

242234 2003 SL_{129} 7 3.5 313°.47 4°.0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 17.43	−31 42.7	1.524	2.406	15.0	20.2
6 10	19 12.60	−31 59.6	1.435	2.380	11.5	19.9
6 20	19 4.77	−32 11.1	1.366	2.355	7.5	19.6
6 30	18 54.76	−32 12.3	1.321	2.329	4.3	19.3
7 10	18 43.89	−31 59.5	1.301	2.304	5.4	19.3
7 20	18 33.69	−31 31.9	1.305	2.280	9.5	19.5
7 30	18 25.60	−30 52.0	1.332	2.256	13.9	19.7
8 9	18 20.65	−30 4.3	1.378	2.233	17.9	19.9

412390 2013 RG_{57} 7 3.5 331°.52 3°.9/ 4.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 9.35	−10 16.4	2.570	3.415	10.8	20.9
6 10	19 5.26	− 9 57.9	2.485	3.404	8.5	20.7
6 20	18 59.77	− 9 47.7	2.422	3.392	6.1	20.5
6 30	18 53.35	− 9 46.4	2.386	3.382	4.2	20.4
7 10	18 46.64	− 9 54.0	2.377	3.371	4.3	20.4
7 20	18 40.27	−10 9.6	2.395	3.361	6.4	20.5
7 30	18 34.89	−10 31.9	2.438	3.351	8.9	20.7
8 9	18 30.98	−10 59.3	2.505	3.342	11.3	20.8

510403 2011 UO_{140} 7 3.5 185°.80 4°.0/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 13.35	− 8 55.1	2.964	3.790	10.1	22.4
6 10	19 7.92	− 8 24.2	2.884	3.790	7.9	22.3
6 20	19 1.22	− 8 0.6	2.828	3.789	5.8	22.1
6 30	18 53.72	− 7 45.2	2.800	3.787	4.2	22.0
7 10	18 46.00	− 7 38.3	2.800	3.786	4.4	22.0
7 20	18 38.65	− 7 39.6	2.828	3.784	6.1	22.1
7 30	18 32.22	− 7 48.2	2.884	3.781	8.2	22.3
8 9	18 27.17	− 8 2.9	2.963	3.778	10.3	22.4

304030 2006 DA_{74} 7 3.5 85°.78 2°.6/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 21.33	−27 37.2	1.326	2.211	16.6	20.6
6 10	19 15.27	−28 2.0	1.270	2.219	12.3	20.4
6 20	19 6.16	−28 25.1	1.235	2.227	7.5	20.1
6 30	18 55.07	−28 41.3	1.223	2.235	3.1	19.9
7 10	18 43.56	−28 47.2	1.236	2.244	4.6	20.0
7 20	18 33.22	−28 42.0	1.273	2.252	9.2	20.3
7 30	18 25.38	−28 27.6	1.332	2.259	13.7	20.6
8 9	18 20.85	−28 7.3	1.412	2.267	17.5	20.8

351590 2005 UF_{488} 7 3.5 204°.55 2°.7/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 17.24	−31 44.0	2.512	3.370	10.6	20.6
6 10	19 11.15	−31 52.4	2.434	3.368	8.0	20.4
6 20	19 3.27	−31 56.0	2.381	3.365	5.2	20.2
6 30	18 54.27	−31 52.6	2.355	3.362	2.9	20.1
7 10	18 45.00	−31 40.5	2.358	3.359	3.6	20.1
7 20	18 36.30	−31 19.9	2.388	3.356	6.3	20.3
7 30	18 28.98	−30 52.2	2.445	3.352	9.1	20.5
8 9	18 23.62	−30 19.5	2.525	3.348	11.7	20.6

505304 2012 XH_{34} 7 3.5 123°.59 1°.1/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.58	−19 18.0	2.527	3.383	10.7	22.0
6 10	19 9.69	−19 15.1	2.463	3.397	7.9	21.9
6 20	19 2.30	−19 15.2	2.424	3.412	4.8	21.7
6 30	18 54.01	−19 17.5	2.412	3.426	1.7	21.5
7 10	18 45.54	−19 21.0	2.430	3.439	2.4	21.6
7 20	18 37.63	−19 25.1	2.475	3.452	5.5	21.8
7 30	18 30.93	−19 29.5	2.548	3.465	8.4	22.0
8 9	18 25.95	−19 34.1	2.644	3.477	10.9	22.2

155534 1999 TY_{145} 7 3.5 237°.74 3°.3/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 12.60	−11 9.3	2.735	3.574	10.5	21.3
6 10	19 7.57	−11 0.4	2.645	3.562	8.1	21.1
6 20	19 1.12	−10 59.0	2.579	3.550	5.6	21.0
6 30	18 53.72	−11 5.4	2.539	3.538	3.6	20.8
7 10	18 46.00	−11 19.2	2.528	3.525	3.8	20.8
7 20	18 38.60	−11 39.4	2.545	3.512	6.0	20.9
7 30	18 32.16	−12 4.8	2.588	3.499	8.6	21.1
8 9	18 27.20	−12 33.7	2.656	3.485	11.0	21.2

396888 2004 VZ_{17} 7 3.5 290°.57 8°.5/ 4.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 12.53	+ 1 9.8	2.369	3.165	13.2	20.6
6 10	19 7.65	+ 2 23.0	2.290	3.155	11.3	20.5
6 20	19 1.22	+ 3 22.6	2.233	3.146	9.7	20.4
6 30	18 53.75	+ 4 4.9	2.201	3.137	8.6	20.3
7 10	18 45.95	+ 4 28.0	2.193	3.129	8.7	20.3
7 20	18 38.54	+ 4 31.5	2.210	3.120	9.9	20.3
7 30	18 32.21	+ 4 16.8	2.251	3.111	11.7	20.4
8 9	18 27.53	+ 3 47.1	2.312	3.102	13.6	20.6

89820 2002 BX_2 7 3.5 255°.46 7°.7/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 22.66	−40 21.6	1.877	2.730	13.9	19.1
6 10	19 16.32	−41 40.0	1.801	2.717	11.3	18.9
6 20	19 6.95	−42 49.8	1.746	2.704	8.9	18.8
6 30	18 55.35	−43 42.9	1.717	2.691	7.7	18.7
7 10	18 42.90	−44 13.3	1.712	2.677	8.6	18.7
7 20	18 31.11	−44 19.0	1.733	2.663	10.9	18.8
7 30	18 21.47	−44 2.2	1.776	2.649	13.7	19.0
8 9	18 14.99	−43 28.2	1.839	2.634	16.4	19.1

1924 Horus 7 3.5 126°.90 1°.7/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 21.53	−26 13.4	1.643	2.516	14.6	17.4
6 10	19 14.89	−26 33.1	1.583	2.527	10.8	17.2
6 20	19 5.72	−26 52.0	1.546	2.537	6.5	17.0
6 30	18 54.95	−27 6.5	1.534	2.547	2.3	16.7
7 10	18 43.85	−27 13.7	1.548	2.557	3.6	16.8
7 20	18 33.70	−27 13.0	1.589	2.566	7.9	17.1
7 30	18 25.63	−27 5.4	1.655	2.575	11.9	17.4
8 9	18 20.34	−26 53.1	1.741	2.584	15.3	17.6

94400 Hongdaeyong 7 3.5 32°.18 3°.0/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 18.39	−27 18.6	1.027	1.930	18.9	19.6
6 10	19 13.67	−27 48.5	0.980	1.938	14.0	19.4
6 20	19 5.43	−28 17.3	0.952	1.948	8.5	19.1
6 30	18 54.91	−28 38.9	0.945	1.958	3.6	18.9
7 10	18 43.96	−28 49.0	0.960	1.969	5.2	19.0
7 20	18 34.42	−28 46.3	0.997	1.980	10.4	19.3
7 30	18 27.81	−28 33.2	1.054	1.993	15.3	19.7
8 9	18 24.94	−28 13.1	1.129	2.005	19.5	20.0

395702 2012 RY_{26} 7 3.5 207°.93 5°.2/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 21.63	−37 44.9	2.285	3.134	11.9	21.7
6 10	19 14.76	−38 22.1	2.208	3.129	9.4	21.5
6 20	19 5.61	−38 51.1	2.155	3.123	6.9	21.4
6 30	18 54.94	−39 7.4	2.129	3.117	5.3	21.2
7 10	18 43.83	−39 7.9	2.129	3.110	5.9	21.3
7 20	18 33.40	−38 52.2	2.156	3.103	8.2	21.4
7 30	18 24.69	−38 22.4	2.209	3.096	10.9	21.6
8 9	18 18.43	−37 42.4	2.283	3.087	13.4	21.7

276119 2002 GF_{73} 7 3.5 142°.90 6°.9/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 14.96	− 3 21.5	2.021	2.843	14.2	20.8
6 10	19 9.57	− 2 55.3	1.954	2.849	11.7	20.6
6 20	19 2.39	− 2 44.6	1.908	2.854	9.1	20.5
6 30	18 54.07	− 2 51.1	1.886	2.860	7.2	20.4
7 10	18 45.46	− 3 14.6	1.891	2.865	7.2	20.4
7 20	18 37.40	− 3 53.3	1.921	2.870	8.9	20.5
7 30	18 30.70	− 4 44.1	1.976	2.874	11.4	20.7
8 9	18 25.95	− 5 42.9	2.052	2.879	13.9	20.9

209280 2003 YX_{21} 7 3.5 249°.12 0°.8/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.88	−24 17.5	2.292	3.155	11.4	21.5
6 10	19 11.14	−24 34.3	2.199	3.138	8.4	21.3
6 20	19 3.44	−24 52.1	2.130	3.121	5.0	21.0
6 30	18 54.38	−25 8.7	2.089	3.103	1.5	20.8
7 10	18 44.83	−25 22.0	2.076	3.085	2.7	20.8
7 20	18 35.68	−25 30.8	2.090	3.067	6.4	21.0
7 30	18 27.84	−25 34.9	2.131	3.048	9.8	21.2
8 9	18 22.00	−25 35.1	2.195	3.029	12.9	21.4

438180 2005 TG_{154} 7 3.5 293°.59 3°.3/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 14.41	−14 26.3	2.156	3.012	12.3	21.8
6 10	19 9.40	−14 0.8	2.052	2.982	9.5	21.6
6 20	19 2.46	−13 41.0	1.971	2.952	6.3	21.3
6 30	18 54.14	−13 27.8	1.916	2.921	3.7	21.1
7 10	18 45.24	−13 21.4	1.888	2.891	4.1	21.1
7 20	18 36.64	−13 21.4	1.887	2.860	7.2	21.2
7 30	18 29.25	−13 27.5	1.911	2.829	10.7	21.3
8 9	18 23.78	−13 38.5	1.958	2.798	13.9	21.5

281605 2008 UK_{198} 7 3.5 300°.14 8°.6/ 4.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 14.11	− 4 3.9	1.694	2.531	15.9	20.1
6 10	19 9.41	− 2 56.1	1.614	2.518	13.2	19.9
6 20	19 2.54	− 2 2.7	1.555	2.504	10.6	19.7
6 30	18 54.16	− 1 28.0	1.519	2.491	8.8	19.6
7 10	18 45.25	− 1 14.5	1.507	2.477	9.0	19.6
7 20	18 36.85	− 1 22.4	1.519	2.464	11.0	19.7
7 30	18 29.97	− 1 49.6	1.553	2.451	13.9	19.8
8 9	18 25.37	− 2 31.8	1.606	2.439	16.8	20.0

449993 2015 PV_{202} 7 3.5 35°.07 2°.2/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 13.04	−14 16.0	2.213	3.069	12.0	20.4
6 10	19 8.16	−14 39.3	2.139	3.071	9.0	20.2
6 20	19 1.57	−15 11.2	2.089	3.073	5.8	20.0
6 30	18 53.87	−15 50.5	2.065	3.074	2.8	19.8
7 10	18 45.83	−16 35.0	2.069	3.076	3.1	19.8
7 20	18 38.26	−17 22.2	2.100	3.078	6.2	20.0
7 30	18 31.93	−18 9.8	2.158	3.080	9.4	20.2
8 9	18 27.42	−18 56.1	2.238	3.082	12.3	20.4

169542 2002 EJ_{87} 7 3.5 41°.63 5°.2/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 20.80	−32 8.8	1.319	2.204	16.7	19.7
6 10	19 15.17	−32 59.5	1.261	2.207	12.7	19.5
6 20	19 6.27	−33 44.9	1.224	2.211	8.5	19.2
6 30	18 55.17	−34 17.8	1.210	2.215	5.4	19.1
7 10	18 43.51	−34 33.0	1.220	2.219	6.5	19.2
7 20	18 32.99	−34 29.2	1.253	2.223	10.4	19.4
7 30	18 25.10	−34 9.4	1.308	2.227	14.5	19.6
8 9	18 20.71	−33 38.5	1.383	2.232	18.1	19.9

214538 2006 ON_3 7 3.5 322°.07 6°.1/ 3.9 17

5 31	19 11.95	−13 15.5	1.114	2.007	18.5	19.5
6 10	19 8.97	−12 28.6	1.031	1.979	14.6	19.2
6 20	19 2.87	−11 52.4	0.965	1.952	10.2	18.8
6 30	18 54.37	−11 30.3	0.920	1.925	6.5	18.5
7 10	18 44.81	−11 24.3	0.896	1.900	7.1	18.5
7 20	18 35.77	−11 34.7	0.893	1.875	11.6	18.6
7 30	18 28.89	−11 59.6	0.910	1.852	16.7	18.8
8 9	18 25.38	−12 35.3	0.943	1.830	21.5	19.0

148412 2000 WD_{47} 7 3.5 255°.71 0°.9/ 3.2 18

5 31	19 14.66	−23 30.8	2.356	3.221	11.0	20.4
6 10	19 9.44	−24 6.9	2.271	3.212	8.1	20.2
6 20	19 2.40	−24 45.6	2.211	3.202	4.8	20.0
6 30	18 54.13	−25 24.2	2.178	3.192	1.5	19.7
7 10	18 45.40	−26 0.0	2.173	3.182	2.6	19.8
7 20	18 37.07	−26 30.9	2.196	3.172	6.1	20.0
7 30	18 29.98	−26 56.0	2.245	3.162	9.4	20.2
8 9	18 24.76	−27 15.5	2.318	3.152	12.2	20.4

215233 2001 AZ_{21} 7 3.5 208°.83 2°.1/ 2.9 17

5 31	19 19.97	−25 26.0	1.608	2.484	14.7	20.5
6 10	19 14.08	−26 14.5	1.536	2.482	10.9	20.3
6 20	19 5.48	−27 5.5	1.487	2.478	6.6	20.0
6 30	18 54.98	−27 53.8	1.462	2.475	2.6	19.8
7 10	18 43.83	−28 34.6	1.464	2.471	4.1	19.9
7 20	18 33.41	−29 5.0	1.491	2.467	8.5	20.1
7 30	18 24.98	−29 24.6	1.543	2.463	12.6	20.3
8 9	18 19.42	−29 34.9	1.615	2.458	16.2	20.6

106118 2000 TT_{32} 7 3.5 258°.41 1°.3/ 3.9 18

5 31	19 13.76	−17 31.7	2.314	3.173	11.4	19.7
6 10	19 8.72	−17 47.0	2.228	3.163	8.5	19.5
6 20	19 1.95	−18 8.2	2.166	3.153	5.3	19.3
6 30	18 54.00	−18 34.0	2.130	3.143	2.0	19.1
7 10	18 45.64	−19 2.6	2.123	3.133	2.6	19.1
7 20	18 37.68	−19 32.3	2.144	3.122	6.1	19.3
7 30	18 30.91	−20 1.6	2.190	3.112	9.4	19.5
8 9	18 25.94	−20 29.6	2.260	3.101	12.3	19.7

449580 2014 JP_{27} 7 3.5 0°.16 6°.8/ 6.1 18

5 31	19 11.78	− 2 12.9	2.021	2.844	14.2	20.3
6 10	19 7.33	− 2 9.9	1.948	2.843	11.7	20.1
6 20	19 1.13	− 2 24.4	1.896	2.843	9.2	20.0
6 30	18 53.78	− 2 57.6	1.868	2.842	7.2	19.9
7 10	18 46.08	− 3 48.5	1.866	2.843	7.0	19.8
7 20	18 38.86	− 4 54.2	1.889	2.843	8.6	19.9
7 30	18 32.91	− 6 10.8	1.937	2.844	11.1	20.1
8 9	18 28.84	− 7 33.3	2.007	2.845	13.7	20.3

20861 Leslieben 7 3.5 246°.06 0°.5/ 3.6 18

5 31	19 16.62	−20 36.5	1.907	2.775	13.1	19.4
6 10	19 11.17	−20 50.0	1.826	2.767	9.7	19.2
6 20	19 3.55	−21 7.9	1.767	2.758	5.8	18.9
6 30	18 54.45	−21 28.1	1.735	2.750	1.7	18.6
7 10	18 44.84	−21 48.5	1.730	2.741	2.8	18.7
7 20	18 35.78	−22 7.2	1.751	2.731	7.0	18.9
7 30	18 28.25	−22 23.6	1.798	2.722	10.9	19.1
8 9	18 23.01	−22 37.4	1.867	2.712	14.3	19.3

218817 2006 SS_{175} 7 3.5 179°.95 4°.2/ 2.7 18

5 31	19 19.06	−35 3.6	2.273	3.130	11.7	21.1
6 10	19 12.75	−35 31.3	2.202	3.131	9.0	20.9
6 20	19 4.36	−35 52.3	2.155	3.131	6.2	20.7
6 30	18 54.63	−36 2.9	2.134	3.131	4.3	20.6
7 10	18 44.57	−36 0.7	2.140	3.131	5.0	20.7
7 20	18 35.19	−35 45.6	2.173	3.131	7.5	20.8
7 30	18 27.43	−35 19.1	2.232	3.130	10.3	21.0
8 9	18 21.94	−34 44.7	2.313	3.130	12.8	21.2

396063 2013 CB_{66} 7 3.5 82°.81 2°.7/ 4.3 16

5 31	19 13.30	−14 6.9	2.255	3.109	11.8	21.3
6 10	19 8.24	−14 6.7	2.188	3.118	9.0	21.2
6 20	19 1.57	−14 14.0	2.145	3.127	5.8	21.0
6 30	18 53.89	−14 28.3	2.128	3.135	3.1	20.8
7 10	18 45.96	−14 48.4	2.139	3.144	3.4	20.9
7 20	18 38.56	−15 12.8	2.177	3.152	6.2	21.1
7 30	18 32.40	−15 40.0	2.241	3.161	9.3	21.3
8 9	18 28.03	−16 8.6	2.328	3.169	12.0	21.5

102155 1999 RV_{203} 7 3.5 352°.40 0°.8/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 19.80	−22 54.7	1.400	2.282	16.1	19.0
6 10	19 13.97	−22 21.1	1.333	2.281	12.0	18.7
6 20	19 5.35	−21 47.5	1.287	2.280	7.2	18.5
6 30	18 54.93	−21 13.1	1.265	2.280	2.1	18.1
7 10	18 44.08	−20 38.1	1.268	2.279	3.6	18.2
7 20	18 34.23	−20 3.9	1.296	2.279	8.6	18.5
7 30	18 26.60	−19 32.3	1.348	2.279	13.2	18.8
8 9	18 21.97	−19 4.6	1.419	2.279	17.2	19.1

520338 2014 GB_{62} 7 3.5 338°.59 5°.5/ 2.0 18

5 31	19 17.42	−36 29.3	2.008	2.871	12.7	21.2
6 10	19 11.94	−37 21.5	1.938	2.868	9.9	21.0
6 20	19 4.07	−38 6.8	1.892	2.865	7.2	20.8
6 30	18 54.60	−38 39.8	1.871	2.862	5.6	20.7
7 10	18 44.64	−38 56.8	1.875	2.859	6.4	20.7
7 20	18 35.37	−38 56.7	1.906	2.857	8.8	20.9
7 30	18 27.89	−38 41.2	1.960	2.854	11.7	21.1
8 9	18 22.95	−38 13.8	2.035	2.852	14.3	21.2

430599 2002 TA_{20} 7 3.5 357°.94 16°.0/ 6.6 16

5 31	19 8.84	+ 9 6.3	1.351	2.154	20.9	19.7
6 10	19 5.86	+10 50.2	1.297	2.149	19.0	19.6
6 20	19 0.55	+12 4.2	1.258	2.145	17.3	19.5
6 30	18 53.68	+12 40.5	1.236	2.143	16.2	19.4
7 10	18 46.34	+12 35.2	1.233	2.142	16.1	19.4
7 20	18 39.68	+11 49.4	1.248	2.143	16.9	19.4
7 30	18 34.78	+10 28.6	1.280	2.145	18.4	19.5
8 9	18 32.40	+ 8 42.2	1.329	2.149	20.3	19.7

137329 1999 TO_{45} 7 3.5 346°.73 1°.3/ 3.4 17

5 31	19 15.72	−25 7.4	1.170	2.069	17.3	19.6
6 10	19 11.57	−25 16.3	1.105	2.062	12.9	19.3
6 20	19 4.23	−25 26.1	1.060	2.057	7.8	19.0
6 30	18 54.69	−25 33.2	1.037	2.052	2.4	18.7
7 10	18 44.50	−25 34.7	1.036	2.048	4.1	18.8
7 20	18 35.30	−25 29.3	1.059	2.045	9.6	19.1
7 30	18 28.60	−25 18.1	1.102	2.043	14.7	19.4
8 9	18 25.29	−25 3.2	1.164	2.041	19.0	19.6

270341 2001 XG_{219} 7 3.5 312°.83 1°.5/ 3.2 17

5 31	19 16.63	−25 6.9	1.494	2.379	15.1	19.9
6 10	19 11.79	−25 31.9	1.419	2.368	11.2	19.6
6 20	19 4.20	−25 58.8	1.364	2.358	6.8	19.3
6 30	18 54.68	−26 23.6	1.334	2.349	2.3	19.0
7 10	18 44.50	−26 42.8	1.329	2.339	3.8	19.1
7 20	18 35.04	−26 54.4	1.349	2.330	8.6	19.4
7 30	18 27.59	−26 58.3	1.392	2.321	13.0	19.6
8 9	18 23.06	−26 56.0	1.454	2.313	16.9	19.8

387956 2005 GH_{48} 7 3.5 301°.61 2°.6/ 2.9 18

5 31	19 16.21	−28 2.8	1.827	2.704	13.2	20.4
6 10	19 11.13	−28 37.4	1.747	2.691	9.9	20.2
6 20	19 3.66	−29 11.4	1.689	2.679	6.1	20.0
6 30	18 54.52	−29 40.7	1.656	2.667	2.9	19.7
7 10	18 44.80	−30 2.0	1.650	2.656	4.1	19.8
7 20	18 35.65	−30 13.3	1.670	2.644	7.9	20.0
7 30	18 28.21	−30 14.9	1.714	2.633	11.7	20.2
8 9	18 23.27	−30 8.5	1.779	2.621	15.0	20.4

67885 2000 WB_{51} 7 3.5 279°.33 4°.4/ 2.7 18

5 31	19 20.73	−30 54.7	1.459	2.339	15.7	19.4
6 10	19 15.21	−31 35.6	1.376	2.321	12.0	19.1
6 20	19 6.47	−32 13.6	1.314	2.302	7.9	18.9
6 30	18 55.34	−32 42.5	1.276	2.283	4.6	18.6
7 10	18 43.25	−32 56.9	1.262	2.264	5.9	18.6
7 20	18 31.87	−32 54.5	1.273	2.245	10.1	18.8
7 30	18 22.77	−32 37.0	1.307	2.226	14.5	19.0
8 9	18 17.06	−32 8.7	1.359	2.207	18.5	19.2

313967 2004 SN_1 7 3.5 299°.47 3°.1/ 4.3 18

5 31	19 12.61	−13 39.5	2.193	3.049	12.1	21.1
6 10	19 7.91	−13 30.0	2.110	3.040	9.2	20.9
6 20	19 1.49	−13 28.1	2.050	3.031	6.1	20.6
6 30	18 53.92	−13 34.0	2.016	3.021	3.5	20.5
7 10	18 45.96	−13 46.9	2.009	3.012	3.8	20.5
7 20	18 38.44	−14 5.8	2.028	3.003	6.7	20.6
7 30	18 32.13	−14 29.2	2.074	2.994	9.9	20.8
8 9	18 27.65	−14 55.6	2.142	2.985	12.8	21.0

262506 2006 UF_{259} 7 3.5 158°.98 0°.4/ 3.6 17

5 31	19 19.48	−21 14.1	1.862	2.727	13.5	22.3
6 10	19 13.17	−21 21.4	1.793	2.733	9.9	22.1
6 20	19 4.67	−21 31.8	1.747	2.738	5.9	21.9
6 30	18 54.76	−21 43.3	1.728	2.743	1.6	21.6
7 10	18 44.49	−21 54.0	1.736	2.747	2.8	21.7
7 20	18 34.94	−22 2.8	1.771	2.750	7.1	22.0
7 30	18 27.09	−22 9.3	1.831	2.753	10.9	22.2
8 9	18 21.63	−22 14.0	1.914	2.756	14.1	22.4

512880 2016 WP_{18} 7 3.5 193°.07 3°.9/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 12.97	−11 7.7	2.418	3.261	11.5	21.9
6 10	19 7.95	−10 44.9	2.341	3.261	8.9	21.7
6 20	19 1.40	−10 30.1	2.289	3.260	6.2	21.5
6 30	18 53.88	−10 24.0	2.262	3.260	4.2	21.4
7 10	18 46.09	−10 26.4	2.263	3.259	4.3	21.4
7 20	18 38.75	−10 36.7	2.291	3.258	6.6	21.6
7 30	18 32.53	−10 53.6	2.345	3.257	9.3	21.7
8 9	18 27.96	−11 15.5	2.423	3.256	11.8	21.9

311446 2005 UV_{261} 7 3.5 184°.42 0°.0/ 3.4 18

5 31	19 14.31	−22 17.4	2.731	3.589	9.9	22.0
6 10	19 8.86	−22 31.3	2.652	3.589	7.3	21.8
6 20	19 1.92	−22 46.9	2.599	3.589	4.3	21.6
6 30	18 54.02	−23 2.7	2.573	3.588	1.1	21.4
7 10	18 45.84	−23 17.2	2.577	3.587	2.1	21.5
7 20	18 38.08	−23 29.4	2.609	3.586	5.2	21.7
7 30	18 31.41	−23 39.1	2.668	3.584	8.1	21.9
8 9	18 26.34	−23 46.2	2.751	3.582	10.6	22.0

18141 2000 OK_{42} 7 3.5 234°.85 2°.1/ 3.8 18

5 31	19 14.93	−17 25.8	2.253	3.111	11.7	18.8
6 10	19 9.53	−17 3.6	2.173	3.107	8.8	18.6
6 20	19 2.40	−16 45.4	2.117	3.103	5.5	18.4
6 30	18 54.16	−16 31.1	2.088	3.098	2.6	18.2
7 10	18 45.60	−16 20.7	2.087	3.094	3.1	18.3
7 20	18 37.55	−16 13.9	2.113	3.089	6.3	18.5
7 30	18 30.78	−16 10.5	2.165	3.084	9.6	18.7
8 9	18 25.87	−16 10.1	2.240	3.079	12.4	18.8

233279 2006 AK_{48} 7 3.5 28°.66 4°.6/ 3.5 17

5 31	19 20.76	−34 30.3	1.444	2.322	15.9	19.5
6 10	19 14.68	−34 26.7	1.389	2.330	12.1	19.3
6 20	19 5.72	−34 12.6	1.354	2.339	8.1	19.1
6 30	18 55.03	−33 44.1	1.343	2.349	4.9	18.9
7 10	18 44.14	−33 0.0	1.357	2.359	5.6	19.0
7 20	18 34.52	−32 2.8	1.396	2.370	9.2	19.2
7 30	18 27.39	−30 57.3	1.458	2.381	13.0	19.5
8 9	18 23.39	−29 48.9	1.540	2.393	16.4	19.7

24394 2000 AD_{186} 7 3.5 207°.37 2°.8/ 4.4 18

5 31	19 18.00	−13 40.2	1.814	2.670	14.2	18.9
6 10	19 12.24	−14 2.2	1.735	2.666	10.8	18.7
6 20	19 4.24	−14 35.5	1.679	2.662	7.0	18.5
6 30	18 54.69	−15 18.5	1.647	2.656	3.4	18.2
7 10	18 44.59	−16 8.6	1.644	2.651	3.8	18.2
7 20	18 35.03	−17 2.4	1.667	2.645	7.5	18.5
7 30	18 27.04	−17 57.0	1.715	2.638	11.4	18.7
8 9	18 21.40	−18 50.0	1.786	2.631	14.9	18.9

184772 2005 TY_{13} 7 3.5 289°.53 1°.3/ 3.8 18

5 31	19 13.79	−18 33.4	2.131	2.996	12.0	20.4
6 10	19 8.87	−18 39.2	2.050	2.988	9.0	20.1
6 20	19 2.11	−18 50.1	1.991	2.980	5.5	19.9
6 30	18 54.10	−19 4.7	1.959	2.973	2.0	19.7
7 10	18 45.70	−19 21.8	1.955	2.965	2.7	19.7
7 20	18 37.76	−19 39.9	1.977	2.957	6.4	19.9
7 30	18 31.13	−19 57.9	2.025	2.949	9.9	20.1
8 9	18 26.46	−20 15.3	2.096	2.942	12.9	20.3

493628 2015 PT_{41} 7 3.5 328°.86 5°.3/ 2.3 18

5 31	19 17.34	−36 32.7	2.053	2.916	12.5	21.2
6 10	19 11.84	−37 15.4	1.982	2.911	9.8	21.0
6 20	19 4.00	−37 50.9	1.933	2.906	7.1	20.9
6 30	18 54.62	−38 14.3	1.909	2.901	5.4	20.8
7 10	18 44.77	−38 22.3	1.912	2.897	6.1	20.8
7 20	18 35.61	−38 14.1	1.940	2.893	8.5	20.9
7 30	18 28.20	−37 51.6	1.992	2.889	11.4	21.1
8 9	18 23.28	−37 18.3	2.066	2.885	14.0	21.3

264931 2002 VS_{12} 7 3.5 322°.80 0°.2/ 3.6 17

5 31	19 14.61	−22 39.1	1.219	2.116	16.9	19.9
6 10	19 10.81	−22 33.2	1.140	2.096	12.7	19.5
6 20	19 3.89	−22 30.1	1.080	2.076	7.7	19.2
6 30	18 54.68	−22 27.8	1.042	2.057	2.1	18.8
7 10	18 44.58	−22 24.3	1.027	2.039	3.8	18.9
7 20	18 35.20	−22 18.6	1.035	2.022	9.6	19.1
7 30	18 28.09	−22 11.1	1.064	2.006	14.9	19.4
8 9	18 24.31	−22 2.8	1.111	1.991	19.5	19.6

81045 2000 EA_{60} 7 3.5 141°.04 4°.1/ 4.4 18

5 31	19 17.22	−12 9.8	1.746	2.602	14.6	19.8
6 10	19 11.54	−11 58.7	1.680	2.608	11.3	19.6
6 20	19 3.73	−11 58.3	1.635	2.613	7.6	19.4
6 30	18 54.53	−12 8.8	1.615	2.619	4.6	19.2
7 10	18 44.97	−12 29.2	1.622	2.624	4.8	19.3
7 20	18 36.10	−12 57.4	1.654	2.628	8.0	19.5
7 30	18 28.89	−13 31.3	1.712	2.632	11.6	19.7
8 9	18 23.99	−14 8.3	1.791	2.637	14.8	19.9

101313 1998 SA_{142} 7 3.5 308°.32 1°.5/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 15.28	−24 21.3	1.673	2.554	14.0	19.2
6 10	19 10.66	−24 58.8	1.588	2.536	10.4	18.9
6 20	19 3.52	−25 40.0	1.525	2.519	6.3	18.6
6 30	18 54.54	−26 21.0	1.487	2.501	2.1	18.3
7 10	18 44.84	−26 57.7	1.475	2.484	3.6	18.4
7 20	18 35.64	−27 27.2	1.488	2.467	8.1	18.6
7 30	18 28.18	−27 48.5	1.525	2.451	12.3	18.8
8 9	18 23.34	−28 2.1	1.582	2.435	16.1	19.0

2853 Harvill 7 3.5 249°.58 2°.8/ 3.9 18 R

5 31	19 18.10	−16 14.9	1.676	2.542	14.7	17.0
6 10	19 12.52	−16 3.1	1.593	2.530	11.2	16.7
6 20	19 4.51	−15 58.5	1.531	2.517	7.2	16.5
6 30	18 54.79	−16 0.9	1.493	2.504	3.4	16.2
7 10	18 44.45	−16 9.4	1.482	2.490	4.0	16.2
7 20	18 34.66	−16 22.7	1.497	2.476	8.2	16.4
7 30	18 26.59	−16 39.6	1.537	2.462	12.4	16.6
8 9	18 21.06	−16 59.0	1.597	2.447	16.1	16.8

319496 2006 QG_{63} 7 3.5 332°.31 3°.4/ 3.3 17

5 31	19 17.68	−29 50.6	1.197	2.092	17.3	20.1
6 10	19 13.17	−29 57.8	1.127	2.081	13.1	19.8
6 20	19 5.28	−29 59.8	1.077	2.071	8.2	19.5
6 30	18 55.03	−29 51.7	1.049	2.061	3.9	19.2
7 10	18 44.07	−29 30.7	1.044	2.052	5.2	19.3
7 20	18 34.14	−28 57.0	1.062	2.044	10.1	19.5
7 30	18 26.84	−28 14.0	1.100	2.037	15.1	19.8
8 9	18 23.12	−27 26.5	1.157	2.030	19.4	20.0

67642 2000 SJ_{217} 7 3.5 241°.66 2°.3/ 4.1 17

5 31	19 18.10	−15 54.9	1.563	2.432	15.4	20.1
6 10	19 12.67	−16 8.7	1.484	2.424	11.7	19.9
6 20	19 4.67	−16 32.7	1.427	2.415	7.4	19.6
6 30	18 54.85	−17 5.4	1.395	2.406	3.1	19.3
7 10	18 44.37	−17 44.0	1.388	2.397	3.8	19.4
7 20	18 34.49	−18 25.7	1.407	2.388	8.3	19.6
7 30	18 26.43	−19 7.7	1.450	2.378	12.7	19.8
8 9	18 21.08	−19 48.1	1.513	2.368	16.6	20.1

187383 2005 UF_{404} 7 3.5 178°.24 0°.3/ 3.6 18

5 31	19 14.11	−21 10.0	2.697	3.555	10.0	21.5
6 10	19 8.72	−21 21.7	2.619	3.556	7.4	21.3
6 20	19 1.85	−21 35.7	2.567	3.557	4.4	21.1
6 30	18 54.03	−21 50.6	2.542	3.557	1.2	20.9
7 10	18 45.93	−22 5.2	2.547	3.557	2.1	20.9
7 20	18 38.26	−22 18.4	2.579	3.557	5.2	21.1
7 30	18 31.68	−22 29.6	2.639	3.557	8.1	21.3
8 9	18 26.70	−22 39.0	2.723	3.556	10.7	21.5

188539 2004 RX_{315} 7 3.5 296°.10 5°.5/ 1.1 18

5 31	19 17.58	−35 17.1	2.182	3.043	11.9	20.0
6 10	19 12.20	−36 39.0	2.093	3.022	9.4	19.8
6 20	19 4.40	−37 58.0	2.029	3.001	6.9	19.6
6 30	18 54.81	−39 7.8	1.991	2.980	5.5	19.5
7 10	18 44.39	−40 3.1	1.981	2.960	6.5	19.5
7 20	18 34.30	−40 40.7	1.996	2.939	9.0	19.6
7 30	18 25.72	−41 0.5	2.036	2.918	11.8	19.8
8 9	18 19.57	−41 4.9	2.097	2.898	14.5	19.9

233885 2008 XF_{11} 7 3.5 276°.57 4°.0/ 4.5 17

5 31	19 14.63	−12 5.5	1.857	2.714	13.9	20.7
6 10	19 9.64	−11 56.8	1.781	2.710	10.7	20.5
6 20	19 2.63	−11 58.5	1.728	2.706	7.3	20.3
6 30	18 54.27	−12 11.0	1.699	2.703	4.4	20.1
7 10	18 45.49	−12 33.0	1.697	2.699	4.6	20.1
7 20	18 37.26	−13 3.0	1.721	2.695	7.7	20.3
7 30	18 30.50	−13 38.7	1.769	2.692	11.2	20.5
8 9	18 25.89	−14 17.6	1.840	2.688	14.3	20.7

435720 2008 UO_{47} 7 3.5 230°.91 4°.5/ 4.1 17

5 31	19 16.23	−11 17.9	2.150	2.994	12.7	21.1
6 10	19 10.58	−10 37.8	2.065	2.985	10.0	20.9
6 20	19 3.09	−10 5.5	2.004	2.975	7.0	20.7
6 30	18 54.39	− 9 42.2	1.969	2.965	4.8	20.5
7 10	18 45.29	− 9 28.7	1.961	2.955	5.1	20.5
7 20	18 36.66	− 9 25.1	1.980	2.944	7.6	20.7
7 30	18 29.32	− 9 30.4	2.025	2.933	10.7	20.8
8 9	18 23.92	− 9 43.2	2.092	2.922	13.5	21.0

435641 2008 SX_{193} 7 3.5 179°.83 2°.1/ 4.1 18

5 31	19 16.11	−15 56.3	2.160	3.016	12.2	21.8
6 10	19 10.48	−16 2.3	2.085	3.017	9.2	21.6
6 20	19 3.02	−16 15.2	2.033	3.017	5.8	21.4
6 30	18 54.37	−16 33.8	2.007	3.017	2.6	21.2
7 10	18 45.36	−16 56.7	2.009	3.017	3.1	21.2
7 20	18 36.87	−17 22.2	2.040	3.017	6.4	21.4
7 30	18 29.72	−17 48.9	2.096	3.016	9.8	21.6
8 9	18 24.53	−18 15.7	2.175	3.014	12.7	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
86938 2000 HK_{70} 7 3.5 111°.88 0°.9/ 3.4 18						
	h m	° ′			°	m
5 31	19 20.12	−24 30.1	1.721	2.593	14.1	20.4
6 10	19 13.76	−24 43.2	1.662	2.605	10.4	20.2
6 20	19 5.06	−24 57.0	1.626	2.618	6.2	20.0
6 30	18 54.90	−25 8.3	1.615	2.630	1.8	19.8
7 10	18 44.46	−25 15.1	1.631	2.642	3.1	19.9
7 20	18 34.90	−25 16.5	1.674	2.653	7.4	20.2
7 30	18 27.27	−25 13.1	1.742	2.664	11.3	20.4
8 9	18 22.21	−25 6.3	1.831	2.675	14.6	20.7
185500 2007 TA_{54} 7 3.5 290°.84 0°.4/ 3.5 18						
5 31	19 15.72	−23 5.8	1.875	2.748	13.0	20.6
6 10	19 10.60	−23 21.1	1.795	2.739	9.6	20.4
6 20	19 3.28	−23 39.0	1.738	2.730	5.8	20.1
6 30	18 54.47	−23 56.8	1.706	2.721	1.6	19.8
7 10	18 45.15	−24 12.3	1.701	2.712	2.9	19.9
7 20	18 36.40	−24 24.0	1.723	2.703	7.1	20.2
7 30	18 29.23	−24 31.5	1.769	2.694	11.0	20.4
8 9	18 24.37	−24 35.5	1.837	2.685	14.4	20.6
476846 2008 UG_{308} 7 3.5 293°.86 1°.2/ 3.4 18						
5 31	19 18.01	−25 40.8	1.711	2.587	13.9	21.7
6 10	19 12.72	−25 45.6	1.614	2.559	10.5	21.4
6 20	19 4.80	−25 49.9	1.539	2.531	6.4	21.1
6 30	18 54.93	−25 51.1	1.488	2.503	2.0	20.8
7 10	18 44.24	−25 46.7	1.464	2.474	3.4	20.8
7 20	18 34.01	−25 35.8	1.466	2.446	8.1	21.0
7 30	18 25.53	−25 19.2	1.492	2.417	12.6	21.2
8 9	18 19.75	−24 59.1	1.538	2.389	16.5	21.4
448529 2010 OO_{111} 7 3.5 344°.27 13°.5/27.0 15						
5 31	19 19.29	−49 58.5	1.547	2.391	16.8	20.0
6 10	19 15.20	−52 15.6	1.488	2.376	15.0	19.9
6 20	19 7.04	−54 16.5	1.449	2.363	13.8	19.8
6 30	18 55.66	−55 48.9	1.431	2.351	13.6	19.7
7 10	18 42.85	−56 44.0	1.434	2.340	14.5	19.7
7 20	18 30.91	−56 59.1	1.456	2.330	16.2	19.8
7 30	18 22.05	−56 37.9	1.497	2.322	18.2	19.9
8 9	18 17.65	−55 48.7	1.552	2.315	20.3	20.1
320354 2007 TP_{210} 7 3.5 261°.07 4°.5/ 2.6 17						
5 31	19 21.57	−31 0.0	1.540	2.416	15.2	21.0
6 10	19 15.72	−31 49.6	1.459	2.401	11.6	20.7
6 20	19 6.75	−32 36.9	1.400	2.386	7.7	20.5
6 30	18 55.49	−33 15.2	1.364	2.370	4.7	20.3
7 10	18 43.34	−33 39.1	1.354	2.354	5.9	20.3
7 20	18 31.87	−33 46.0	1.369	2.338	9.8	20.5
7 30	18 22.61	−33 37.2	1.408	2.322	14.0	20.7
8 9	18 16.60	−33 16.7	1.465	2.305	17.8	20.9
228226 1998 HO_{19} 7 3.5 78°.12 0°.7/ 3.4 17						
5 31	19 19.43	−24 14.9	1.693	2.567	14.2	20.4
6 10	19 13.19	−24 25.0	1.642	2.586	10.4	20.2
6 20	19 4.68	−24 35.8	1.614	2.606	6.1	20.0
6 30	18 54.83	−24 44.5	1.611	2.626	1.7	19.7
7 10	18 44.79	−24 49.2	1.635	2.645	3.1	19.9
7 20	18 35.71	−24 49.2	1.685	2.665	7.3	20.2
7 30	18 28.56	−24 45.1	1.760	2.684	11.1	20.5
8 9	18 23.95	−24 38.1	1.856	2.703	14.3	20.7
123036 2000 SO_{288} 7 3.6 189°.42 5°.6/ 4.5 18						
5 31	19 16.33	− 7 31.5	2.145	2.977	13.2	20.6
6 10	19 10.60	− 6 53.9	2.069	2.976	10.5	20.4
6 20	19 3.09	− 6 27.3	2.016	2.975	7.9	20.2
6 30	18 54.43	− 6 13.1	1.988	2.973	5.9	20.1
7 10	18 45.43	− 6 12.1	1.987	2.971	6.0	20.1
7 20	18 36.94	− 6 23.5	2.013	2.968	8.1	20.2
7 30	18 29.75	− 6 45.6	2.064	2.965	10.8	20.4
8 9	18 24.47	− 7 15.9	2.137	2.961	13.5	20.6
364161 2006 HS_{54} 7 3.6 59°.67 2°.2/ 4.2 17						
5 31	19 18.17	−15 24.9	1.231	2.113	17.8	20.2
6 10	19 12.94	−15 59.7	1.181	2.126	13.4	20.0
6 20	19 4.85	−16 48.0	1.150	2.140	8.3	19.7
6 30	18 54.93	−17 46.2	1.142	2.155	3.3	19.5
7 10	18 44.59	−18 49.3	1.158	2.169	4.0	19.6
7 20	18 35.30	−19 52.0	1.199	2.184	8.9	19.9
7 30	18 28.32	−20 50.7	1.263	2.199	13.5	20.2
8 9	18 24.44	−21 43.1	1.346	2.213	17.5	20.5
243031 2006 UV_{295} 7 3.6 38°.92 0°.3/ 3.5 17						
5 31	19 15.80	−23 2.8	1.626	2.507	14.3	21.2
6 10	19 10.68	−23 13.7	1.571	2.519	10.5	21.0
6 20	19 3.29	−23 26.8	1.538	2.531	6.2	20.7
6 30	18 54.48	−23 39.6	1.529	2.545	1.7	20.5
7 10	18 45.41	−23 50.0	1.547	2.558	3.0	20.6
7 20	18 37.19	−23 56.7	1.590	2.572	7.4	20.9
7 30	18 30.83	−23 59.9	1.657	2.587	11.3	21.2
8 9	18 26.98	−24 0.2	1.745	2.601	14.6	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
86103 1999 RB_{109} 7 3.6 225°.56 3°.3/ 2.9 18						
	h m	° ′			°	m
5 31	19 17.15	−32 58.5	2.493	3.351	10.7	19.7
6 10	19 11.25	−33 18.2	2.414	3.346	8.1	19.5
6 20	19 3.49	−33 32.8	2.360	3.341	5.4	19.3
6 30	18 54.54	−33 39.6	2.332	3.335	3.4	19.2
7 10	18 45.25	−33 36.5	2.333	3.330	4.1	19.2
7 20	18 36.52	−33 23.3	2.361	3.324	6.6	19.4
7 30	18 29.17	−33 1.1	2.415	3.318	9.4	19.5
8 9	18 23.81	−32 32.4	2.492	3.312	11.9	19.7
250806 2005 UG_{30} 7 3.6 216°.57 2°.6/ 4.2 18 R						
5 31	19 13.25	−13 39.5	2.976	3.817	9.6	21.2
6 10	19 7.98	−13 24.3	2.888	3.809	7.4	21.0
6 20	19 1.41	−13 14.3	2.824	3.800	4.9	20.9
6 30	18 53.98	−13 9.6	2.788	3.791	2.9	20.7
7 10	18 46.28	−13 10.1	2.781	3.782	3.1	20.7
7 20	18 38.90	−13 15.2	2.802	3.772	5.4	20.9
7 30	18 32.44	−13 24.4	2.851	3.761	7.9	21.0
8 9	18 27.36	−13 36.6	2.924	3.751	10.2	21.2
138301 2000 GO_{49} 7 3.6 356°.19 6°.9/ 4.8 16						
5 31	19 12.71	− 6 55.7	1.687	2.537	15.3	19.8
6 10	19 8.34	− 6 13.1	1.618	2.535	12.4	19.6
6 20	19 1.92	− 5 44.8	1.571	2.533	9.4	19.4
6 30	18 54.14	− 5 33.2	1.546	2.532	7.2	19.3
7 10	18 45.98	− 5 38.9	1.546	2.531	7.2	19.3
7 20	18 38.42	− 6 0.9	1.570	2.531	9.5	19.4
7 30	18 32.40	− 6 36.4	1.617	2.531	12.5	19.6
8 9	18 28.59	− 7 21.4	1.685	2.532	15.5	19.8
203353 2001 VF_{54} 7 3.6 141°.41 0°.7/ 3.5 18						
5 31	19 21.95	−24 58.0	1.430	2.308	16.0	20.0
6 10	19 15.59	−24 54.3	1.366	2.313	11.9	19.7
6 20	19 6.39	−24 50.2	1.324	2.317	7.1	19.5
6 30	18 55.34	−24 42.9	1.306	2.320	2.0	19.1
7 10	18 43.87	−24 30.5	1.313	2.324	3.5	19.3
7 20	18 33.44	−24 13.3	1.346	2.327	8.5	19.6
7 30	18 25.31	−23 52.7	1.402	2.330	13.1	19.8
8 9	18 20.25	−23 31.1	1.478	2.333	16.9	20.1
391763 2008 EY_{129} 7 3.6 334°.71 1°.3/ 3.9 18						
5 31	19 12.74	−18 1.9	1.858	2.731	13.2	20.4
6 10	19 8.39	−18 20.7	1.779	2.722	9.8	20.2
6 20	19 1.99	−18 46.6	1.723	2.713	6.0	19.9
6 30	18 54.18	−19 18.0	1.692	2.705	2.1	19.6
7 10	18 45.89	−19 52.5	1.687	2.698	2.9	19.7
7 20	18 38.10	−20 27.8	1.709	2.691	7.0	19.9
7 30	18 31.77	−21 1.8	1.755	2.684	10.8	20.1
8 9	18 27.62	−21 33.4	1.823	2.678	14.1	20.3
52449 1994 VJ 7 3.6 283°.10 0°.3/ 3.5 18						
5 31	19 18.11	−23 12.7	1.601	2.479	14.6	18.8
6 10	19 12.86	−23 20.1	1.513	2.459	11.0	18.5
6 20	19 4.91	−23 29.9	1.446	2.439	6.6	18.2
6 30	18 55.02	−23 39.4	1.403	2.418	1.8	17.9
7 10	18 44.34	−23 46.3	1.387	2.398	3.3	17.9
7 20	18 34.21	−23 49.1	1.395	2.377	8.3	18.2
7 30	18 25.93	−23 47.9	1.428	2.357	12.9	18.4
8 9	18 20.44	−23 43.8	1.481	2.336	16.9	18.6
115995 2003 WT_{69} 7 3.6 191°.42 1°.4/ 3.9 18						
5 31	19 15.80	−18 39.5	2.023	2.887	12.6	20.2
6 10	19 10.40	−18 40.8	1.949	2.887	9.4	20.0
6 20	19 3.06	−18 47.0	1.898	2.886	5.7	19.8
6 30	18 54.45	−18 56.9	1.873	2.886	2.1	19.5
7 10	18 45.48	−19 9.0	1.875	2.885	2.9	19.6
7 20	18 37.07	−19 22.3	1.904	2.884	6.6	19.8
7 30	18 30.11	−19 35.8	1.959	2.883	10.2	20.0
8 9	18 25.24	−19 49.0	2.037	2.882	13.3	20.2
11303 1993 CA_{1} 7 3.6 121°.81 5°.0/ 3.1 18						
5 31	19 23.58	−36 53.9	1.936	2.792	13.4	17.2
6 10	19 16.30	−37 8.5	1.875	2.801	10.4	17.1
6 20	19 6.58	−37 13.0	1.836	2.810	7.3	16.9
6 30	18 55.36	−37 3.2	1.822	2.818	5.2	16.8
7 10	18 43.93	−36 37.2	1.836	2.827	5.7	16.8
7 20	18 33.54	−35 56.2	1.876	2.835	8.4	17.0
7 30	18 25.23	−35 3.8	1.941	2.843	11.4	17.2
8 9	18 19.66	−34 4.8	2.028	2.850	14.2	17.4
436266 2010 CO_{63} 7 3.6 207°.84 6°.9/ 2.4 16						
5 31	19 23.35	−41 19.6	2.007	2.854	13.4	21.5
6 10	19 16.44	−42 1.0	1.938	2.851	10.8	21.3
6 20	19 6.84	−42 30.8	1.891	2.849	8.4	21.1
6 30	18 55.48	−42 43.1	1.869	2.846	7.0	21.0
7 10	18 43.67	−42 34.4	1.872	2.843	7.5	21.1
7 20	18 32.77	−42 5.0	1.902	2.839	9.7	21.2
7 30	18 24.00	−41 18.2	1.955	2.836	12.3	21.4
8 9	18 18.11	−40 19.5	2.029	2.832	14.8	21.5

187497 2006 SK_{320} 7 3.6 206°.20 0°.9/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 19.96	−24 0.3	1.931	2.797	13.0	21.7
6 10	19 13.71	−24 24.4	1.852	2.792	9.7	21.5
6 20	19 5.16	−24 50.3	1.796	2.787	5.8	21.3
6 30	18 55.05	−25 14.8	1.766	2.781	1.7	21.0
7 10	18 44.42	−25 35.3	1.764	2.774	3.0	21.1
7 20	18 34.39	−25 49.9	1.790	2.767	7.2	21.3
7 30	18 26.00	−25 58.5	1.841	2.759	11.0	21.5
8 9	18 20.02	−26 2.2	1.914	2.751	14.3	21.7

440685 2005 YU_{61} 7 3.6 287°.89 0°.6/ 3.4 16

5 31	19 14.49	−23 48.5	2.260	3.128	11.3	21.7
6 10	19 9.47	−24 3.0	2.168	3.110	8.4	21.5
6 20	19 2.56	−24 19.1	2.101	3.092	5.0	21.3
6 30	18 54.36	−24 34.5	2.059	3.074	1.4	21.0
7 10	18 45.67	−24 47.5	2.046	3.056	2.6	21.1
7 20	18 37.39	−24 56.9	2.060	3.038	6.3	21.3
7 30	18 30.37	−25 2.2	2.100	3.021	9.7	21.4
8 9	18 25.30	−25 4.1	2.162	3.003	12.8	21.6

184562 2005 QE_{66} 7 3.6 334°.53 5°.7/ 4.5 17

5 31	19 14.34	−11 13.2	1.373	2.245	16.9	20.0
6 10	19 10.05	−10 40.6	1.303	2.238	13.3	19.8
6 20	19 3.19	−10 21.0	1.252	2.231	9.3	19.6
6 30	18 54.56	−10 16.6	1.224	2.225	6.2	19.4
7 10	18 45.36	−10 27.4	1.219	2.219	6.4	19.4
7 20	18 36.86	−10 51.9	1.238	2.214	9.8	19.5
7 30	18 30.27	−11 27.1	1.279	2.209	13.9	19.8
8 9	18 26.43	−12 9.4	1.340	2.205	17.7	20.0

87180 2000 OT_{7} 7 3.6 244°.19 2°.9/ 3.3 18

5 31	19 22.01	−31 23.0	2.008	2.870	12.8	19.2
6 10	19 15.24	−31 22.9	1.921	2.856	9.7	18.9
6 20	19 6.08	−31 17.0	1.857	2.842	6.2	18.7
6 30	18 55.31	−31 1.8	1.819	2.828	3.2	18.5
7 10	18 44.05	−30 35.7	1.809	2.813	4.0	18.5
7 20	18 33.47	−29 59.1	1.826	2.798	7.6	18.7
7 30	18 24.68	−29 14.5	1.870	2.782	11.2	18.9
8 9	18 18.41	−28 25.6	1.935	2.766	14.4	19.1

345981 2007 TZ_{138} 7 3.6 236°.65 0°.3/ 3.5 18

5 31	19 16.70	−23 29.1	2.129	2.995	12.0	21.6
6 10	19 11.09	−23 33.2	2.048	2.988	8.9	21.4
6 20	19 3.51	−23 38.2	1.990	2.981	5.3	21.2
6 30	18 54.62	−23 42.5	1.959	2.974	1.4	20.9
7 10	18 45.32	−23 44.4	1.956	2.966	2.6	21.0
7 20	18 36.56	−23 43.2	1.980	2.959	6.5	21.2
7 30	18 29.24	−23 39.2	2.030	2.951	10.0	21.4
8 9	18 24.00	−23 33.0	2.102	2.942	13.1	21.6

251796 1999 TO_{9} 7 3.6 282°.64 4°.0/ 2.7 18

5 31	19 20.75	−30 15.6	1.550	2.427	15.1	20.5
6 10	19 15.24	−30 57.4	1.458	2.402	11.5	20.2
6 20	19 6.60	−31 37.8	1.388	2.376	7.5	19.9
6 30	18 55.57	−32 10.7	1.342	2.350	4.3	19.7
7 10	18 43.48	−32 30.6	1.321	2.323	5.5	19.7
7 20	18 31.90	−32 34.9	1.325	2.297	9.8	19.9
7 30	18 22.41	−32 24.4	1.352	2.270	14.2	20.0
8 9	18 16.14	−32 2.7	1.399	2.243	18.2	20.2

162135 1998 TE_{38} 7 3.6 211°.99 3°.2/ 3.9 18

5 31	19 16.51	−14 26.0	2.345	3.193	11.7	19.9
6 10	19 10.67	−13 51.8	2.262	3.187	8.9	19.7
6 20	19 3.14	−13 22.9	2.203	3.181	6.0	19.5
6 30	18 54.51	−12 59.8	2.171	3.175	3.5	19.3
7 10	18 45.56	−12 42.9	2.167	3.168	3.9	19.3
7 20	18 37.08	−12 32.4	2.191	3.160	6.6	19.5
7 30	18 29.83	−12 28.0	2.241	3.153	9.6	19.7
8 9	18 24.39	−12 28.8	2.315	3.145	12.4	19.8

391684 2008 AF_{62} 7 3.6 74°.23 1°.7/ 3.3 18

5 31	19 17.39	−28 3.8	2.079	2.947	12.2	20.8
6 10	19 11.50	−28 7.6	2.017	2.958	9.0	20.6
6 20	19 3.66	−28 8.7	1.979	2.969	5.5	20.4
6 30	18 54.64	−28 4.8	1.967	2.980	2.2	20.2
7 10	18 45.40	−27 54.6	1.982	2.990	3.1	20.3
7 20	18 36.91	−27 38.3	2.025	3.001	6.6	20.5
7 30	18 30.02	−27 17.0	2.093	3.012	9.9	20.7
8 9	18 25.31	−26 52.6	2.184	3.023	12.7	21.0

208238 2000 SS_{325} 7 3.6 333°.33 2°.2/ 3.9 17

5 31	19 14.12	−17 53.9	1.117	2.014	18.1	20.4
6 10	19 10.54	−17 56.3	1.048	2.003	13.7	20.1
6 20	19 3.81	−18 9.0	0.998	1.992	8.5	19.8
6 30	18 54.81	−18 30.7	0.968	1.982	3.2	19.4
7 10	18 44.99	−18 58.8	0.962	1.973	4.3	19.5
7 20	18 35.98	−19 30.0	0.977	1.965	9.8	19.8
7 30	18 29.33	−20 1.7	1.013	1.958	15.2	20.0
8 9	18 26.06	−20 32.1	1.066	1.951	19.7	20.3

444798 2007 TZ_{236} 7 3.6 207°.02 17°.3/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 19.62	+11 17.7	1.370	2.141	22.2	21.6
6 10	19 13.98	+13 16.7	1.310	2.138	20.2	21.4
6 20	19 5.58	+14 45.6	1.267	2.134	18.5	21.3
6 30	18 55.24	+15 34.9	1.241	2.129	17.5	21.2
7 10	18 44.23	+15 39.4	1.234	2.124	17.4	21.2
7 20	18 33.93	+14 59.0	1.245	2.118	18.4	21.3
7 30	18 25.63	+13 39.5	1.274	2.112	20.1	21.4
8 9	18 20.25	+11 50.9	1.319	2.104	22.2	21.5

227211 2005 QB_{156} 7 3.6 250°.18 1°.9/ 3.5 18

5 31	19 22.29	−28 59.7	1.849	2.715	13.5	20.3
6 10	19 15.58	−28 46.6	1.762	2.701	10.2	20.0
6 20	19 6.36	−28 28.4	1.698	2.687	6.3	19.8
6 30	18 55.44	−28 2.4	1.660	2.673	2.5	19.5
7 10	18 44.00	−27 27.6	1.649	2.658	3.5	19.5
7 20	18 33.28	−26 44.7	1.666	2.643	7.7	19.8
7 30	18 24.44	−25 56.7	1.708	2.627	11.7	20.0
8 9	18 18.25	−25 6.8	1.772	2.611	15.2	20.2

180582 2004 FU_{22} 7 3.6 131°.67 1°.3/ 3.9 17

5 31	19 19.29	−18 51.9	1.754	2.620	14.1	21.6
6 10	19 13.14	−18 56.7	1.690	2.629	10.5	21.4
6 20	19 4.77	−19 6.9	1.650	2.639	6.4	21.2
6 30	18 54.99	−19 20.8	1.634	2.648	2.2	20.9
7 10	18 44.87	−19 36.5	1.646	2.657	3.1	21.0
7 20	18 35.52	−19 52.5	1.685	2.665	7.3	21.3
7 30	18 27.94	−20 8.0	1.748	2.673	11.1	21.5
8 9	18 22.80	−20 22.5	1.834	2.680	14.5	21.8

87720 2000 SS_{45} 7 3.6 326°.05 8°.5/ 3.7 18

5 31	19 13.94	− 8 9.2	1.377	2.241	17.3	18.3
6 10	19 9.81	− 6 43.4	1.300	2.225	14.1	18.0
6 20	19 3.12	− 5 29.2	1.244	2.210	10.9	17.8
6 30	18 54.61	− 4 32.0	1.209	2.195	8.7	17.6
7 10	18 45.46	− 3 55.8	1.197	2.181	9.1	17.6
7 20	18 36.92	− 3 42.1	1.208	2.167	11.9	17.7
7 30	18 30.23	− 3 49.8	1.240	2.155	15.5	17.9
8 9	18 26.25	− 4 14.8	1.289	2.143	18.9	18.1

103004 1999 XR_{98} 7 3.6 214°.64 1°.5/ 3.2 18 R

5 31	19 17.52	−25 27.3	2.163	3.029	11.9	19.8
6 10	19 11.76	−26 0.8	2.084	3.024	8.8	19.6
6 20	19 3.97	−26 35.4	2.028	3.018	5.3	19.4
6 30	18 54.80	−27 7.7	1.999	3.012	1.9	19.1
7 10	18 45.17	−27 35.0	1.998	3.006	3.1	19.2
7 20	18 36.04	−27 55.4	2.025	3.000	6.7	19.4
7 30	18 28.34	−28 8.6	2.077	2.993	10.1	19.6
8 9	18 22.77	−28 15.6	2.153	2.986	13.1	19.8

200469 2000 WF_{192} 7 3.6 295°.11 1°.7/ 4.2 18

5 31	19 15.96	−15 35.7	1.653	2.522	14.7	19.8
6 10	19 11.26	−16 18.9	1.560	2.500	11.2	19.5
6 20	19 4.03	−17 15.5	1.489	2.477	7.0	19.3
6 30	18 54.90	−18 23.1	1.442	2.455	2.7	18.9
7 10	18 44.90	−19 37.3	1.422	2.433	3.4	18.9
7 20	18 35.22	−20 53.4	1.428	2.411	8.0	19.1
7 30	18 27.13	−22 6.9	1.459	2.389	12.6	19.4
8 9	18 21.59	−23 15.0	1.511	2.367	16.5	19.6

249814 2001 DG_{103} 7 3.6 205°.71 5°.3/ 1.8 18

5 31	19 19.63	−42 9.1	3.102	3.931	9.6	21.6
6 10	19 13.00	−42 51.0	3.025	3.925	7.8	21.4
6 20	19 4.57	−43 24.6	2.972	3.919	6.2	21.3
6 30	18 54.95	−43 46.1	2.946	3.912	5.3	21.2
7 10	18 44.95	−43 53.1	2.947	3.905	5.8	21.3
7 20	18 35.45	−43 45.3	2.976	3.897	7.2	21.3
7 30	18 27.25	−43 23.9	3.030	3.889	9.0	21.5
8 9	18 20.97	−42 51.8	3.107	3.881	10.8	21.6

507015 2008 TW_{172} 7 3.6 180°.70 9°.5/ 4.5 18

5 31	19 15.96	+ 1 18.4	2.047	2.845	14.9	21.2
6 10	19 10.42	+ 2 39.5	1.978	2.845	12.8	21.0
6 20	19 3.08	+ 3 44.5	1.931	2.846	10.9	20.9
6 30	18 54.55	+ 4 29.3	1.908	2.846	9.7	20.8
7 10	18 45.69	+ 4 51.5	1.909	2.845	9.7	20.8
7 20	18 37.34	+ 4 51.0	1.934	2.845	11.0	20.9
7 30	18 30.34	+ 4 29.9	1.982	2.844	13.0	21.0
8 9	18 25.28	+ 3 52.5	2.050	2.843	15.0	21.2

345894 2007 RU_{90} 7 3.6 212°.73 2°.3/ 3.1 16

5 31	19 18.04	−28 47.2	2.160	3.025	11.9	21.9
6 10	19 12.15	−29 10.7	2.083	3.022	8.9	21.7
6 20	19 4.19	−29 32.1	2.030	3.018	5.5	21.5
6 30	18 54.87	−29 48.2	2.003	3.013	2.6	21.3
7 10	18 45.13	−29 56.5	2.003	3.008	3.6	21.3
7 20	18 35.97	−29 56.2	2.031	3.004	6.9	21.5
7 30	18 28.34	−29 47.9	2.085	2.998	10.2	21.7
8 9	18 22.90	−29 33.6	2.161	2.993	13.1	21.9

482125 2010 PX_2 7 3.6 301.°45 10.°0/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 23.61	−47 32.6	2.138	2.964	13.4	20.3
6 10	19 17.51	−49 37.1	2.066	2.948	11.7	20.1
6 20	19 8.11	−51 30.7	2.017	2.932	10.4	20.0
6 30	18 56.08	−53 4.1	1.993	2.917	10.1	20.0
7 10	18 42.74	−54 10.1	1.993	2.902	10.9	20.0
7 20	18 29.74	−54 45.8	2.017	2.886	12.5	20.1
7 30	18 18.83	−54 52.8	2.062	2.871	14.5	20.2
8 9	18 11.28	−54 36.8	2.124	2.857	16.4	20.3

224263 2005 SY_{253} 7 3.6 258.°62 0.°3/ 3.6 18

5 31	19 18.56	−21 52.9	1.754	2.625	13.9	21.1
6 10	19 12.92	−21 53.5	1.669	2.612	10.4	20.9
6 20	19 4.86	−21 56.7	1.606	2.598	6.3	20.6
6 30	18 55.10	−22 0.8	1.568	2.583	1.7	20.3
7 10	18 44.72	−22 3.9	1.557	2.568	3.0	20.3
7 20	18 34.91	−22 5.0	1.572	2.553	7.6	20.6
7 30	18 26.80	−22 4.2	1.612	2.538	11.8	20.8
8 9	18 21.23	−22 2.1	1.674	2.522	15.5	21.0

498456 2008 BK_{41} 7 3.6 88.°44 9.°2/ 4.6 17

5 31	19 39.85	−47 58.2	1.670	2.489	16.9	21.1
6 10	19 28.42	−48 8.4	1.630	2.518	13.9	21.0
6 20	19 13.66	−47 55.6	1.610	2.546	11.2	20.9
6 30	18 57.27	−47 13.2	1.614	2.574	9.4	20.8
7 10	18 41.35	−46 0.6	1.644	2.602	9.5	20.9
7 20	18 27.73	−44 23.3	1.700	2.628	11.2	21.0
7 30	18 17.57	−42 30.6	1.780	2.654	13.6	21.3
8 9	18 11.31	−40 32.4	1.883	2.680	16.0	21.5

320493 2007 WE_{16} 7 3.6 131.°24 0.°7/ 3.7 17

5 31	19 20.40	−20 9.0	1.669	2.538	14.6	22.0
6 10	19 14.09	−20 21.1	1.608	2.548	10.8	21.7
6 20	19 5.41	−20 38.0	1.568	2.559	6.5	21.5
6 30	18 55.21	−20 57.3	1.554	2.568	1.9	21.2
7 10	18 44.65	−21 16.6	1.567	2.578	3.0	21.3
7 20	18 34.93	−21 34.2	1.606	2.587	7.5	21.6
7 30	18 27.11	−21 49.4	1.670	2.595	11.5	21.9
8 9	18 21.87	−22 2.3	1.756	2.603	15.0	22.1

12063 1998 FH_{11} 7 3.6 41.°09 3.°6/ 4.7 17

5 31	19 16.25	−12 42.5	1.224	2.104	18.1	17.8
6 10	19 11.60	−13 7.5	1.171	2.114	13.8	17.6
6 20	19 4.16	−13 49.0	1.138	2.125	8.9	17.3
6 30	18 54.90	−14 44.9	1.127	2.136	4.5	17.1
7 10	18 45.20	−15 50.5	1.139	2.148	4.7	17.1
7 20	18 36.47	−17 0.5	1.176	2.160	9.1	17.4
7 30	18 29.95	−18 9.7	1.235	2.173	13.6	17.7
8 9	18 26.43	−19 14.7	1.314	2.186	17.5	18.0

480069 2015 DZ_{135} 7 3.6 55.°13 1.°9/ 2.9 17

5 31	19 18.01	−23 19.8	1.600	2.478	14.6	20.7
6 10	19 12.56	−24 35.0	1.545	2.492	10.7	20.5
6 20	19 4.62	−25 54.7	1.513	2.505	6.4	20.3
6 30	18 55.02	−27 13.1	1.506	2.519	2.3	20.1
7 10	18 44.97	−28 24.0	1.525	2.533	3.8	20.2
7 20	18 35.71	−29 23.5	1.571	2.548	8.1	20.5
7 30	18 28.38	−30 10.0	1.641	2.562	12.0	20.7
8 9	18 23.75	−30 44.4	1.732	2.577	15.3	21.0

387441 2013 WU_{57} 7 3.6 80.°32 4.°7/ 4.2 17

5 31	19 18.41	−12 12.2	1.790	2.643	14.5	20.5
6 10	19 12.22	−11 26.0	1.739	2.664	11.2	20.3
6 20	19 4.08	−10 49.1	1.711	2.685	7.7	20.2
6 30	18 54.82	−10 22.9	1.708	2.707	5.0	20.0
7 10	18 45.42	−10 8.0	1.731	2.728	5.3	20.1
7 20	18 36.88	−10 3.8	1.781	2.748	8.0	20.3
7 30	18 30.01	−10 9.1	1.855	2.769	11.2	20.5
8 9	18 25.37	−10 21.6	1.951	2.789	14.0	20.8

512452 2016 QG_{26} 7 3.6 337.°60 2.°0/ 3.9 17

5 31	19 15.95	−18 1.7	1.825	2.693	13.6	21.0
6 10	19 10.71	−17 45.9	1.752	2.692	10.2	20.8
6 20	19 3.38	−17 35.1	1.702	2.691	6.3	20.6
6 30	18 54.68	−17 28.9	1.678	2.690	2.7	20.4
7 10	18 45.60	−17 26.7	1.680	2.689	3.4	20.4
7 20	18 37.17	−17 27.7	1.708	2.688	7.2	20.6
7 30	18 30.32	−17 31.6	1.761	2.687	11.0	20.9
8 9	18 25.72	−17 37.6	1.836	2.686	14.3	21.1

92766 2000 QM_{125} 7 3.6 224.°35 2.°1/ 4.0 18

5 31	19 17.50	−16 22.8	2.359	3.209	11.5	20.9
6 10	19 11.53	−16 15.8	2.268	3.197	8.7	20.7
6 20	19 3.77	−16 14.0	2.201	3.184	5.6	20.5
6 30	18 54.79	−16 16.8	2.161	3.170	2.6	20.3
7 10	18 45.37	−16 23.5	2.149	3.156	3.1	20.3
7 20	18 36.35	−16 33.3	2.166	3.141	6.3	20.4
7 30	18 28.54	−16 45.3	2.210	3.125	9.6	20.6
8 9	18 22.58	−16 59.0	2.277	3.109	12.5	20.8

330668 2008 GZ_{98} 7 3.6 104.°82 5.°3/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 18.04	−10 11.3	1.663	2.515	15.4	21.3
6 10	19 12.21	− 9 43.1	1.605	2.528	12.1	21.1
6 20	19 4.22	− 9 27.4	1.568	2.541	8.5	20.9
6 30	18 54.89	− 9 25.0	1.556	2.553	5.7	20.8
7 10	18 45.29	− 9 35.7	1.569	2.565	5.8	20.8
7 20	18 36.47	− 9 57.7	1.609	2.577	8.6	21.0
7 30	18 29.40	−10 28.5	1.672	2.589	12.0	21.2
8 9	18 24.72	−11 5.1	1.756	2.600	15.1	21.4

297593 2001 SJ_{99} 7 3.6 206.°67 4.°8/ 4.8 18

5 31	19 13.87	− 7 53.2	2.404	3.235	11.9	21.4
6 10	19 8.74	− 7 34.1	2.324	3.232	9.5	21.2
6 20	19 2.04	− 7 25.3	2.267	3.228	7.0	21.0
6 30	18 54.31	− 7 27.8	2.236	3.224	5.1	20.9
7 10	18 46.27	− 7 41.3	2.232	3.220	5.1	20.9
7 20	18 38.63	− 8 4.8	2.255	3.215	7.1	21.0
7 30	18 32.10	− 8 36.4	2.304	3.210	9.7	21.2
8 9	18 27.24	− 9 13.9	2.376	3.205	12.1	21.3

371606 2006 WW_{174} 7 3.6 268.°64 0.°7/ 3.7 17

5 31	19 18.60	−20 32.3	1.678	2.550	14.4	22.1
6 10	19 13.15	−20 38.3	1.588	2.531	10.8	21.8
6 20	19 5.12	−20 48.9	1.520	2.511	6.6	21.5
6 30	18 55.22	−21 2.4	1.476	2.491	2.0	21.2
7 10	18 44.57	−21 16.4	1.459	2.470	3.2	21.2
7 20	18 34.40	−21 29.3	1.468	2.449	8.0	21.4
7 30	18 25.95	−21 40.5	1.501	2.428	12.4	21.6
8 9	18 20.14	−21 49.9	1.555	2.407	16.4	21.8

159649 2002 CY_{245} 7 3.6 151.°43 3.°2/ 4.2 18

5 31	19 17.33	−13 55.0	2.085	2.936	12.8	20.8
6 10	19 11.41	−13 38.7	2.016	2.943	9.8	20.6
6 20	19 3.65	−13 29.7	1.970	2.949	6.5	20.4
6 30	18 54.74	−13 28.2	1.950	2.956	3.6	20.2
7 10	18 45.54	−13 33.7	1.958	2.961	3.9	20.3
7 20	18 36.95	−13 45.0	1.994	2.967	6.9	20.5
7 30	18 29.76	−14 1.1	2.055	2.971	10.1	20.7
8 9	18 24.58	−14 20.5	2.138	2.976	13.0	20.9

395279 2010 VC_{39} 7 3.6 330.°22 5.°1/ 1.6 15

5 31	19 13.26	−29 47.2	1.494	2.384	14.8	20.0
6 10	19 9.91	−31 12.4	1.400	2.350	11.3	19.7
6 20	19 3.58	−32 41.9	1.328	2.317	7.7	19.4
6 30	18 54.90	−34 8.1	1.280	2.285	5.2	19.2
7 10	18 45.01	−35 23.2	1.256	2.254	6.7	19.2
7 20	18 35.41	−36 20.9	1.256	2.224	10.7	19.3
7 30	18 27.71	−36 59.0	1.278	2.195	15.0	19.5
8 9	18 23.16	−37 18.7	1.319	2.168	18.9	19.6

95640 2002 GC_{80} 7 3.6 243.°47 3.°7/ 4.7 18

5 31	19 12.80	−10 36.2	2.410	3.253	11.6	19.8
6 10	19 7.98	−10 31.1	2.330	3.249	9.0	19.6
6 20	19 1.60	−10 35.2	2.272	3.244	6.3	19.4
6 30	18 54.20	−10 48.6	2.241	3.239	4.1	19.3
7 10	18 46.48	−11 10.7	2.237	3.235	4.2	19.3
7 20	18 39.15	−11 40.0	2.261	3.230	6.5	19.4
7 30	18 32.92	−12 14.8	2.310	3.225	9.2	19.6
8 9	18 28.33	−12 52.9	2.383	3.220	11.8	19.7

152450 2005 UK_{496} 7 3.6 237.°82 2.°2/ 4.4 18

5 31	19 13.42	−14 16.5	2.372	3.225	11.4	20.1
6 10	19 8.49	−14 35.7	2.292	3.222	8.6	19.9
6 20	19 1.94	−15 3.1	2.236	3.219	5.6	19.7
6 30	18 54.30	−15 37.3	2.207	3.215	2.7	19.5
7 10	18 46.30	−16 16.8	2.205	3.212	3.0	19.6
7 20	18 38.71	−16 59.2	2.232	3.209	6.0	19.7
7 30	18 32.25	−17 42.6	2.285	3.206	9.0	19.9
8 9	18 27.51	−18 25.3	2.361	3.202	11.8	20.1

513207 2005 TH_{82} 7 3.6 207.°27 4.°1/ 4.5 18

5 31	19 13.48	−10 24.8	2.441	3.281	11.5	22.0
6 10	19 8.42	−10 1.6	2.362	3.278	9.0	21.9
6 20	19 1.83	− 9 46.7	2.307	3.276	6.4	21.7
6 30	18 54.26	− 9 41.0	2.278	3.273	4.4	21.5
7 10	18 46.39	− 9 44.2	2.277	3.271	4.5	21.6
7 20	18 38.95	− 9 55.8	2.303	3.268	6.7	21.7
7 30	18 32.62	−10 14.5	2.354	3.265	9.3	21.8
8 9	18 27.92	−10 38.4	2.429	3.261	11.8	22.0

493106 2014 SF_{348} 7 3.6 227.°62 4.°4/ 2.5 16

5 31	19 22.57	−30 29.8	1.610	2.482	14.9	22.4
6 10	19 16.36	−31 29.7	1.534	2.474	11.3	22.2
6 20	19 7.15	−32 28.1	1.480	2.466	7.4	21.9
6 30	18 55.79	−33 18.3	1.451	2.457	4.5	21.8
7 10	18 43.61	−33 54.3	1.449	2.448	5.7	21.8
7 20	18 32.13	−34 13.5	1.471	2.438	9.5	22.0
7 30	18 22.79	−34 16.7	1.517	2.427	13.5	22.2
8 9	18 16.59	−34 7.3	1.584	2.417	17.0	22.4

440268 2004 RY_{113} 7 3.6 327°.70 3°.0/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 15.18	−18 32.8	1.752	2.624	13.8	19.5
6 10	19 10.34	−17 32.1	1.663	2.604	10.5	19.3
6 20	19 3.28	−16 32.4	1.597	2.585	6.8	19.0
6 30	18 54.70	−15 35.3	1.557	2.566	3.4	18.7
7 10	18 45.61	−14 42.8	1.542	2.548	4.2	18.8
7 20	18 37.08	−13 56.7	1.554	2.531	8.1	18.9
7 30	18 30.14	−13 18.8	1.589	2.514	12.0	19.1
8 9	18 25.55	−12 49.4	1.646	2.498	15.6	19.3

397707 2008 CX_{200} 7 3.6 64°.03 5°.9/ 5.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 12.80	− 5 15.7	2.179	3.008	13.1	21.2
6 10	19 8.03	− 4 54.4	2.112	3.014	10.6	21.1
6 20	19 1.63	− 4 46.4	2.066	3.019	8.1	20.9
6 30	18 54.22	− 4 52.9	2.045	3.025	6.2	20.8
7 10	18 46.53	− 5 13.6	2.050	3.031	6.1	20.8
7 20	18 39.33	− 5 46.9	2.081	3.036	7.9	21.0
7 30	18 33.35	− 6 30.3	2.137	3.042	10.3	21.1
8 9	18 29.14	− 7 20.3	2.216	3.048	12.8	21.3

22851 1999 RX_{127} 7 3.6 283°.50 1°.0/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 18.65	−20 26.7	1.514	2.391	15.4	18.5
6 10	19 13.49	−20 24.1	1.422	2.367	11.6	18.2
6 20	19 5.49	−20 26.1	1.351	2.342	7.1	17.9
6 30	18 55.37	−20 31.1	1.303	2.318	2.2	17.6
7 10	18 44.34	−20 37.3	1.281	2.292	3.5	17.6
7 20	18 33.78	−20 43.2	1.284	2.267	8.7	17.8
7 30	18 25.09	−20 48.5	1.311	2.241	13.6	18.0
8 9	18 19.30	−20 53.3	1.357	2.216	17.9	18.2

56718 2000 MU_4 7 3.6 352°.07 2°.1/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.62	−26 37.6	1.281	2.176	16.4	18.0
6 10	19 11.41	−26 54.7	1.217	2.171	12.2	17.7
6 20	19 4.22	−27 11.4	1.172	2.167	7.5	17.5
6 30	18 54.99	−27 23.6	1.149	2.163	2.8	17.2
7 10	18 45.16	−27 28.1	1.151	2.161	4.2	17.3
7 20	18 36.27	−27 23.6	1.175	2.159	9.2	17.5
7 30	18 29.69	−27 11.4	1.222	2.158	13.9	17.8
8 9	18 26.29	−26 53.7	1.287	2.159	17.9	18.1

507399 2012 JN_7 7 3.6 329°.11 3°.2/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.77	−17 30.2	1.347	2.231	16.5	20.9
6 10	19 11.28	−16 56.0	1.275	2.221	12.5	20.6
6 20	19 4.05	−16 27.8	1.222	2.212	8.0	20.3
6 30	18 54.94	−16 6.4	1.192	2.203	3.8	20.1
7 10	18 45.23	−15 52.0	1.187	2.195	4.6	20.1
7 20	18 36.28	−15 44.6	1.205	2.188	9.2	20.3
7 30	18 29.37	−15 43.7	1.246	2.181	13.8	20.6
8 9	18 25.37	−15 48.3	1.305	2.174	17.8	20.8

433628 2013 YH_{127} 7 3.6 299°.73 3°.6/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.13	−11 35.5	1.626	2.488	15.2	20.4
6 10	19 10.62	−12 5.4	1.535	2.468	11.8	20.1
6 20	19 3.66	−12 51.5	1.465	2.447	7.9	19.8
6 30	18 54.87	−13 52.8	1.419	2.426	4.3	19.6
7 10	18 45.26	−15 6.3	1.399	2.406	4.4	19.5
7 20	18 36.01	−16 27.1	1.405	2.385	8.3	19.7
7 30	18 28.32	−17 50.4	1.435	2.365	12.7	19.9
8 9	18 23.13	−19 11.8	1.486	2.346	16.6	20.1

356202 2009 PH_{15} 7 3.6 8°.10 9°.1/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 11.32	+ 3 58.9	2.034	2.827	15.1	20.0
6 10	19 7.08	+ 4 18.0	1.965	2.828	13.0	19.9
6 20	19 1.14	+ 4 16.2	1.917	2.830	11.0	19.8
6 30	18 54.10	+ 3 51.0	1.890	2.832	9.5	19.7
7 10	18 46.74	+ 3 2.8	1.887	2.834	9.2	19.7
7 20	18 39.86	+ 1 53.9	1.909	2.837	10.2	19.7
7 30	18 34.23	+ 0 28.9	1.954	2.840	12.1	19.8
8 9	18 30.44	− 1 6.5	2.021	2.844	14.2	20.0

437626 2014 BN_{27} 7 3.6 135°.95 1°.7/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.68	−16 54.0	2.233	3.087	11.9	22.1
6 10	19 10.86	−17 1.1	2.166	3.098	8.9	21.9
6 20	19 3.32	−17 13.9	2.123	3.108	5.5	21.7
6 30	18 54.68	−17 31.2	2.107	3.118	2.3	21.5
7 10	18 45.79	−17 51.6	2.119	3.127	2.8	21.6
7 20	18 37.46	−18 13.5	2.159	3.136	6.1	21.8
7 30	18 30.47	−18 35.9	2.225	3.145	9.3	22.0
8 9	18 25.37	−18 57.9	2.315	3.153	12.1	22.2

288898 2004 RL_{306} 7 3.6 132°.33 18°.4/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 18.63	+14 57.0	1.284	2.043	24.0	20.1
6 10	19 13.29	+16 27.8	1.236	2.049	22.0	20.0
6 20	19 5.19	+17 20.9	1.201	2.055	20.2	19.9
6 30	18 55.24	+17 27.9	1.182	2.061	18.8	19.8
7 10	18 44.79	+16 45.5	1.180	2.066	18.4	19.8
7 20	18 35.23	+15 16.5	1.196	2.071	18.9	19.8
7 30	18 27.81	+13 9.6	1.230	2.075	20.2	19.9
8 9	18 23.36	+10 37.2	1.280	2.080	22.0	20.1

11726 Edgerton 7 3.6 6°.50 3°.4/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 12.33	−13 3.3	1.740	2.607	14.2	16.6
6 10	19 8.13	−13 10.1	1.673	2.608	10.8	16.4
6 20	19 1.90	−13 28.2	1.626	2.609	7.2	16.2
6 30	18 54.34	−13 56.8	1.604	2.611	3.9	16.0
7 10	18 46.38	−14 34.0	1.608	2.614	4.1	16.0
7 20	18 39.02	−15 17.2	1.638	2.617	7.5	16.2
7 30	18 33.17	−16 3.6	1.691	2.621	11.1	16.4
8 9	18 29.51	−16 50.3	1.767	2.626	14.3	16.6

129288 2005 SO_{18} 7 3.6 323°.03 0°.3/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 14.09	−21 43.4	1.849	2.725	13.1	19.8
6 10	19 9.51	−21 48.7	1.768	2.713	9.7	19.5
6 20	19 2.79	−21 57.2	1.709	2.701	5.8	19.3
6 30	18 54.60	−22 7.1	1.675	2.690	1.6	19.0
7 10	18 45.91	−22 16.7	1.667	2.678	2.8	19.0
7 20	18 37.75	−22 24.7	1.686	2.668	7.0	19.3
7 30	18 31.12	−22 30.8	1.729	2.658	11.0	19.5
8 9	18 26.75	−22 35.0	1.793	2.648	14.4	19.7

141834 2002 OT_9 7 3.6 251°.03 1°.8/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 18.76	−18 47.1	1.674	2.543	14.5	19.9
6 10	19 13.13	−18 35.2	1.591	2.532	10.9	19.6
6 20	19 5.03	−18 28.1	1.531	2.520	6.8	19.3
6 30	18 55.22	−18 25.2	1.495	2.508	2.6	19.1
7 10	18 44.80	−18 25.2	1.486	2.495	3.5	19.1
7 20	18 34.99	−18 27.5	1.502	2.483	7.9	19.3
7 30	18 26.93	−18 31.6	1.543	2.470	12.2	19.5
8 9	18 21.44	−18 37.2	1.605	2.456	15.9	19.7

4033 Yatsugatake 7 3.6 60°.63 3°.7/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 21.02	−28 21.3	1.237	2.126	17.3	16.6
6 10	19 15.44	−29 11.3	1.185	2.136	12.9	16.4
6 20	19 6.61	−30 0.0	1.154	2.145	8.1	16.1
6 30	18 55.64	−30 40.6	1.145	2.155	4.1	15.9
7 10	18 44.16	−31 7.5	1.160	2.165	5.4	16.0
7 20	18 33.89	−31 18.9	1.199	2.176	9.9	16.3
7 30	18 26.26	−31 16.4	1.259	2.186	14.4	16.6
8 9	18 22.10	−31 3.8	1.339	2.196	18.1	16.9

335086 2004 SM_{41} 7 3.6 271°.67 3°.2/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 19.43	−29 37.8	1.888	2.757	13.1	21.1
6 10	19 13.73	−30 16.5	1.796	2.736	9.9	20.9
6 20	19 5.49	−30 54.0	1.728	2.715	6.4	20.6
6 30	18 55.38	−31 25.5	1.685	2.693	3.5	20.4
7 10	18 44.50	−31 46.9	1.668	2.671	4.6	20.4
7 20	18 34.08	−31 56.1	1.678	2.649	8.2	20.6
7 30	18 25.36	−31 53.7	1.713	2.626	12.0	20.8
8 9	18 19.24	−31 41.9	1.769	2.603	15.4	21.0

505910 2015 EC_{10} 7 3.6 143°.03 5°.1/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 22.66	−35 46.4	2.033	2.889	12.9	21.8
6 10	19 15.75	−36 32.0	1.971	2.898	10.0	21.6
6 20	19 6.43	−37 10.2	1.933	2.906	7.1	21.5
6 30	18 55.56	−37 35.8	1.920	2.914	5.2	21.4
7 10	18 44.32	−37 45.5	1.934	2.921	5.9	21.4
7 20	18 33.91	−37 38.8	1.975	2.929	8.4	21.6
7 30	18 25.42	−37 17.9	2.041	2.935	11.3	21.8
8 9	18 19.54	−36 46.8	2.129	2.941	13.9	22.0

474310 2002 AN_{50} 7 3.6 208°.67 0°.7/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 14.73	−19 55.3	2.905	3.757	9.5	22.7
6 10	19 9.22	−20 2.5	2.818	3.751	7.1	22.5
6 20	19 2.29	−20 12.4	2.756	3.744	4.3	22.3
6 30	18 54.44	−20 24.0	2.722	3.736	1.4	22.1
7 10	18 46.27	−20 36.1	2.718	3.728	2.0	22.2
7 20	18 38.46	−20 47.8	2.742	3.719	5.0	22.4
7 30	18 31.63	−20 58.7	2.794	3.710	7.8	22.5
8 9	18 26.28	−21 8.6	2.871	3.700	10.3	22.7

97262 1999 XT_{121} 7 3.6 221°.48 1°.7/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 18.21	−19 19.9	2.199	3.056	12.0	19.5
6 10	19 12.12	−18 52.6	2.114	3.048	9.0	19.3
6 20	19 4.15	−18 27.5	2.054	3.041	5.6	19.0
6 30	18 54.95	−18 4.4	2.020	3.032	2.2	18.8
7 10	18 45.38	−17 43.4	2.015	3.024	3.0	18.8
7 20	18 36.34	−17 24.7	2.038	3.014	6.5	19.0
7 30	18 28.68	−17 8.7	2.087	3.005	9.9	19.2
8 9	18 23.01	−16 55.8	2.159	2.995	13.0	19.4

275912 2001 TW_{149} 7 3.6 200°.63 1°.0/ 3.9 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 18.21	−18 53.2	2.168	3.025	12.1	21.5
6 10	19 12.20	−19 5.0	2.086	3.021	9.1	21.3
6 20	19 4.25	−19 21.7	2.029	3.016	5.5	21.1
6 30	18 55.00	−19 41.5	1.998	3.011	1.9	20.8
7 10	18 45.31	−20 2.7	1.995	3.006	2.7	20.9
7 20	18 36.12	−20 23.7	2.021	2.999	6.4	21.1
7 30	18 28.30	−20 43.6	2.073	2.992	9.9	21.3
8 9	18 22.51	−21 2.0	2.148	2.985	13.0	21.5

59058 1998 UA_{19} 7 3.6 222°.50 2°.8/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 18.29	−29 41.2	2.075	2.941	12.2	19.7
6 10	19 12.48	−30 10.3	1.999	2.937	9.2	19.5
6 20	19 4.50	−30 36.8	1.946	2.933	5.8	19.2
6 30	18 55.07	−30 57.1	1.920	2.929	3.0	19.1
7 10	18 45.20	−31 8.4	1.921	2.924	4.0	19.1
7 20	18 35.93	−31 9.7	1.949	2.919	7.2	19.3
7 30	18 28.25	−31 1.7	2.002	2.914	10.6	19.5
8 9	18 22.87	−30 46.6	2.077	2.909	13.5	19.7

305411 2008 CS_{104} 7 3.6 176°.58 5°.8/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 21.17	−40 29.6	2.349	3.192	11.8	21.0
6 10	19 14.50	−41 1.4	2.280	3.193	9.4	20.8
6 20	19 5.63	−41 23.1	2.235	3.194	7.2	20.7
6 30	18 55.36	−41 30.5	2.215	3.194	5.9	20.6
7 10	18 44.76	−41 20.9	2.222	3.195	6.3	20.6
7 20	18 34.92	−40 54.6	2.255	3.195	8.3	20.8
7 30	18 26.83	−40 14.2	2.313	3.194	10.6	20.9
8 9	18 21.14	−39 23.8	2.393	3.194	12.9	21.1

238032 2002 WZ_{8} 7 3.6 172°.19 4°.2/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 24.51	−30 52.2	1.466	2.340	15.9	20.8
6 10	19 17.82	−31 31.2	1.401	2.342	12.1	20.6
6 20	19 7.99	−32 6.0	1.358	2.344	7.8	20.4
6 30	18 56.05	−32 30.3	1.338	2.346	4.4	20.2
7 10	18 43.53	−32 39.7	1.345	2.347	5.5	20.2
7 20	18 32.04	−32 33.0	1.376	2.347	9.6	20.5
7 30	18 23.01	−32 12.9	1.431	2.347	13.7	20.7
8 9	18 17.31	−31 43.8	1.505	2.347	17.3	21.0

399684 2004 TE_{57} 7 3.6 301°.76 4°.9/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 12.56	− 8 52.0	2.227	3.069	12.4	21.5
6 10	19 7.95	− 8 25.1	2.145	3.060	9.9	21.3
6 20	19 1.68	− 8 8.3	2.086	3.051	7.2	21.1
6 30	18 54.30	− 8 2.8	2.051	3.043	5.2	21.0
7 10	18 46.57	− 8 8.7	2.044	3.034	5.3	21.0
7 20	18 39.24	− 8 25.2	2.062	3.026	7.4	21.1
7 30	18 33.08	− 8 50.7	2.106	3.018	10.2	21.3
8 9	18 28.67	− 9 22.9	2.173	3.010	12.8	21.4

369051 2008 CQ_{183} 7 3.6 51°.85 0°.4/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 18.05	−21 8.2	1.397	2.280	16.0	20.1
6 10	19 12.88	−21 52.6	1.338	2.287	11.9	19.8
6 20	19 4.97	−22 43.7	1.300	2.294	7.1	19.6
6 30	18 55.23	−23 37.0	1.287	2.302	1.9	19.3
7 10	18 44.98	−24 27.6	1.298	2.309	3.4	19.4
7 20	18 35.60	−25 11.7	1.334	2.317	8.4	19.7
7 30	18 28.36	−25 47.5	1.394	2.325	12.9	20.0
8 9	18 24.07	−26 15.4	1.473	2.333	16.7	20.3

511725 2015 DL_{2} 7 3.6 253°.56 0°.5/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 20.32	−24 32.4	1.607	2.482	14.7	21.2
6 10	19 14.43	−24 27.9	1.527	2.472	11.0	21.0
6 20	19 5.87	−24 23.3	1.470	2.462	6.6	20.7
6 30	18 55.48	−24 16.2	1.437	2.452	1.9	20.4
7 10	18 44.50	−24 4.9	1.430	2.441	3.3	20.4
7 20	18 34.24	−23 49.1	1.449	2.430	8.1	20.7
7 30	18 25.94	−23 30.2	1.492	2.419	12.5	20.9
8 9	18 20.46	−23 9.9	1.556	2.408	16.3	21.1

28576 2000 EP_{96} 7 3.6 336°.07 3°.2/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.16	−26 49.9	1.313	2.206	16.2	17.3
6 10	19 11.97	−27 44.7	1.244	2.197	12.2	17.0
6 20	19 4.70	−28 41.9	1.195	2.188	7.6	16.7
6 30	18 55.22	−29 35.4	1.169	2.181	3.6	16.5
7 10	18 44.94	−30 19.1	1.167	2.174	5.1	16.5
7 20	18 35.44	−30 49.2	1.188	2.167	9.7	16.8
7 30	18 28.22	−31 5.2	1.232	2.162	14.3	17.0
8 9	18 24.28	−31 9.5	1.294	2.157	18.3	17.3

502184 2015 BH_{65} 7 3.6 166°.25 3°.7/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 22.33	−31 47.2	1.903	2.767	13.3	21.7
6 10	19 15.58	−32 19.0	1.836	2.771	10.1	21.5
6 20	19 6.39	−32 46.0	1.791	2.774	6.6	21.3
6 30	18 55.60	−33 3.6	1.772	2.777	3.9	21.1
7 10	18 44.39	−33 8.8	1.780	2.780	4.8	21.2
7 20	18 33.99	−33 1.0	1.815	2.782	8.0	21.4
7 30	18 25.50	−32 41.9	1.875	2.783	11.4	21.6
8 9	18 19.65	−32 14.9	1.957	2.784	14.4	21.8

491061 2011 QO_{72} 7 3.6 320°.89 5°.6/ 4.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 12.87	−11 0.4	1.579	2.445	15.4	21.1
6 10	19 8.91	−10 22.3	1.492	2.424	12.2	20.8
6 20	19 2.61	− 9 55.1	1.426	2.402	8.7	20.6
6 30	18 54.64	− 9 41.0	1.383	2.382	6.0	20.4
7 10	18 46.00	− 9 41.0	1.364	2.361	6.3	20.3
7 20	18 37.82	− 9 54.6	1.369	2.342	9.4	20.5
7 30	18 31.23	−10 20.1	1.397	2.323	13.2	20.6
8 9	18 27.08	−10 54.3	1.445	2.305	16.9	20.8

439350 2012 XB_{61} 7 3.6 255°.87 2°.8/ 4.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 14.98	−14 20.3	2.024	2.882	12.9	21.8
6 10	19 9.93	−14 19.6	1.944	2.875	9.8	21.6
6 20	19 2.95	−14 27.2	1.886	2.869	6.4	21.4
6 30	18 54.69	−14 42.6	1.854	2.862	3.4	21.2
7 10	18 45.99	−15 4.7	1.849	2.855	3.7	21.2
7 20	18 37.77	−15 31.8	1.871	2.848	6.9	21.3
7 30	18 30.91	−16 2.1	1.918	2.841	10.4	21.5
8 9	18 26.06	−16 33.9	1.987	2.834	13.5	21.7

275079 2009 UW_{147} 7 3.6 166°.15 1°.8/ 4.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 18.14	−17 33.0	2.061	2.919	12.7	22.0
6 10	19 12.13	−17 29.1	1.989	2.923	9.5	21.8
6 20	19 4.19	−17 30.4	1.940	2.926	5.9	21.6
6 30	18 55.01	−17 36.1	1.918	2.930	2.4	21.4
7 10	18 45.49	−17 44.9	1.923	2.932	3.0	21.5
7 20	18 36.57	−17 55.9	1.957	2.934	6.6	21.7
7 30	18 29.12	−18 8.2	2.016	2.936	10.1	21.9
8 9	18 23.75	−18 21.2	2.097	2.937	13.1	22.1

193459 2000 XK_{5} 7 3.6 126°.90 1°.1/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 21.17	−27 21.7	1.827	2.695	13.6	19.8
6 10	19 14.58	−27 0.8	1.758	2.699	10.1	19.6
6 20	19 5.70	−26 36.1	1.712	2.702	6.1	19.4
6 30	18 55.41	−26 6.1	1.692	2.706	1.9	19.1
7 10	18 44.84	−25 30.3	1.700	2.710	3.1	19.2
7 20	18 35.15	−24 50.0	1.734	2.713	7.2	19.5
7 30	18 27.34	−24 7.4	1.795	2.717	11.0	19.7
8 9	18 22.05	−23 25.3	1.877	2.720	14.3	19.9

302396 2002 CN_{93} 7 3.6 95°.48 1°.5/ 3.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.74	−27 6.1	2.382	3.244	11.0	21.3
6 10	19 10.89	−27 24.1	2.322	3.261	8.1	21.2
6 20	19 3.34	−27 40.7	2.288	3.277	4.9	21.0
6 30	18 54.75	−27 53.4	2.280	3.292	1.9	20.8
7 10	18 45.97	−28 0.8	2.301	3.308	2.8	20.9
7 20	18 37.82	−28 2.0	2.349	3.323	5.9	21.1
7 30	18 31.05	−27 57.8	2.424	3.339	8.9	21.3
8 9	18 26.18	−27 49.2	2.522	3.354	11.4	21.5

184828 2005 TX_{191} 7 3.6 345°.20 2°.0/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 12.89	−16 45.8	1.757	2.630	13.8	19.8
6 10	19 8.66	−16 54.0	1.682	2.624	10.4	19.6
6 20	19 2.31	−17 10.3	1.629	2.618	6.5	19.3
6 30	18 54.54	−17 33.4	1.601	2.613	2.7	19.1
7 10	18 46.31	−18 1.5	1.598	2.608	3.3	19.1
7 20	18 38.63	−18 32.3	1.622	2.604	7.2	19.4
7 30	18 32.47	−19 3.9	1.669	2.601	11.1	19.6
8 9	18 28.56	−19 34.8	1.738	2.598	14.5	19.8

466106 2012 CX_{47} 7 3.6 36°.80 1°.1/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 17.49	−23 9.4	1.169	2.065	17.6	20.5
6 10	19 12.75	−23 42.7	1.122	2.077	13.0	20.3
6 20	19 4.98	−24 20.1	1.095	2.091	7.7	20.0
6 30	18 55.27	−24 57.0	1.090	2.105	2.2	19.8
7 10	18 45.18	−25 28.5	1.109	2.120	3.9	19.9
7 20	18 36.26	−25 52.2	1.151	2.136	9.1	20.3
7 30	18 29.84	−26 7.7	1.214	2.152	13.8	20.6
8 9	18 26.66	−26 16.1	1.297	2.169	17.7	20.9

339248 2004 VH_{30} 7 3.6 333°.66 2°.5/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 12.87	−25 19.8	1.240	2.139	16.5	20.1
6 10	19 9.75	−26 7.0	1.162	2.119	12.4	19.8
6 20	19 3.53	−26 59.1	1.104	2.100	7.6	19.5
6 30	18 55.00	−27 50.7	1.069	2.082	3.1	19.1
7 10	18 45.50	−28 35.8	1.056	2.066	4.7	19.2
7 20	18 36.64	−29 10.1	1.066	2.050	9.9	19.4
7 30	18 30.01	−29 32.0	1.098	2.036	14.9	19.7
8 9	18 26.72	−29 42.6	1.147	2.023	19.3	19.9

380004 2013 GS_{95} 7 3.6 358°.48 3°.4/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 9.26	−17 24.8	0.849	1.767	20.3	19.8
6 10	19 7.45	−17 3.1	0.796	1.761	15.4	19.5
6 20	19 2.21	−16 52.9	0.760	1.757	9.8	19.2
6 30	18 54.60	−16 54.6	0.742	1.755	4.4	18.9
7 10	18 46.31	−17 6.8	0.743	1.755	5.2	18.9
7 20	18 39.13	−17 27.1	0.764	1.757	10.8	19.2
7 30	18 34.65	−17 52.4	0.803	1.761	16.3	19.5
8 9	18 33.82	−18 19.5	0.858	1.767	21.1	19.8

355194 2006 WO_{202} 7 3.6 27°.63 1°.2/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 20.86	−29 14.4	1.892	2.759	13.2	19.8
6 10	19 14.19	−28 28.3	1.826	2.766	9.8	19.6
6 20	19 5.38	−27 35.9	1.784	2.773	5.9	19.3
6 30	18 55.34	−26 36.5	1.768	2.781	2.0	19.1
7 10	18 45.17	−25 31.3	1.779	2.789	3.0	19.2
7 20	18 35.95	−24 22.7	1.819	2.798	6.9	19.4
7 30	18 28.59	−23 14.4	1.884	2.807	10.6	19.7
8 9	18 23.66	−22 9.3	1.973	2.817	13.7	19.9

283658 2002 OE_{15} 7 3.6 320°.97 7°.1/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 12.51	− 8 55.5	1.493	2.357	16.2	19.8
6 10	19 8.85	− 8 4.0	1.401	2.328	13.2	19.5
6 20	19 2.72	− 7 24.4	1.329	2.299	9.9	19.3
6 30	18 54.75	− 7 0.3	1.279	2.271	7.4	19.1
7 10	18 45.97	− 6 54.1	1.252	2.244	7.7	19.0
7 20	18 37.57	− 7 6.1	1.249	2.217	10.6	19.1
7 30	18 30.78	− 7 34.5	1.267	2.191	14.5	19.2
8 9	18 26.56	− 8 15.5	1.304	2.166	18.3	19.4

480581 2015 MH_{80} 7 3.6 323°.00 1°.6/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 13.92	−17 59.4	1.905	2.775	13.0	21.0
6 10	19 9.30	−18 0.6	1.826	2.766	9.8	20.8
6 20	19 2.67	−18 7.8	1.769	2.758	6.1	20.5
6 30	18 54.67	−18 19.9	1.737	2.750	2.4	20.3
7 10	18 46.21	−18 35.5	1.732	2.742	3.0	20.3
7 20	18 38.27	−18 53.2	1.753	2.735	6.9	20.5
7 30	18 31.77	−19 11.7	1.800	2.728	10.6	20.7
8 9	18 27.40	−19 30.2	1.867	2.721	13.9	20.9

61130 2000 NK 7 3.6 354°.18 1°.7/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.82	−19 22.7	1.157	2.050	17.9	18.6
6 10	19 12.44	−19 17.5	1.095	2.048	13.4	18.3
6 20	19 4.95	−19 19.7	1.051	2.045	8.2	18.0
6 30	18 55.34	−19 27.6	1.030	2.044	2.8	17.7
7 10	18 45.11	−19 39.1	1.031	2.043	4.0	17.8
7 20	18 35.84	−19 52.3	1.056	2.043	9.5	18.1
7 30	18 28.97	−20 6.0	1.102	2.043	14.5	18.4
8 9	18 25.40	−20 19.5	1.166	2.044	18.9	18.6

103470 2000 AA_{212} 7 3.6 337°.52 5°.9/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.30	−34 43.9	1.058	1.961	18.5	18.0
6 10	19 12.14	−34 49.6	0.985	1.940	14.4	17.7
6 20	19 5.19	−34 42.9	0.930	1.920	9.9	17.4
6 30	18 55.47	−34 17.2	0.895	1.902	6.3	17.1
7 10	18 44.83	−33 28.8	0.881	1.885	7.2	17.1
7 20	18 35.29	−32 19.2	0.888	1.870	11.7	17.3
7 30	18 28.69	−30 55.0	0.915	1.857	16.7	17.5
8 9	18 26.09	−29 24.3	0.959	1.846	21.2	17.8

181506 2006 UO_{41} 7 3.6 233°.23 0°.5/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.76	−23 34.9	2.186	3.053	11.7	20.8
6 10	19 10.44	−23 48.4	2.110	3.050	8.6	20.6
6 20	19 3.25	−24 3.3	2.057	3.048	5.2	20.4
6 30	18 54.83	−24 17.6	2.031	3.045	1.4	20.2
7 10	18 46.03	−24 29.3	2.032	3.043	2.5	20.2
7 20	18 37.76	−24 37.5	2.061	3.040	6.2	20.5
7 30	18 30.87	−24 41.9	2.116	3.037	9.6	20.7
8 9	18 25.97	−24 43.1	2.193	3.035	12.6	20.9

105915 2000 SU_{205} 7 3.6 230°.28 0°.2/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.34	−22 52.0	2.738	3.596	9.9	21.3
6 10	19 9.85	−23 4.8	2.648	3.584	7.3	21.1
6 20	19 2.80	−23 19.1	2.583	3.572	4.4	20.9
6 30	18 54.70	−23 33.3	2.545	3.560	1.2	20.7
7 10	18 46.24	−23 45.9	2.537	3.547	2.1	20.7
7 20	18 38.13	−23 55.8	2.557	3.534	5.3	20.9
7 30	18 31.07	−24 2.9	2.604	3.521	8.3	21.1
8 9	18 25.63	−24 7.3	2.676	3.507	10.9	21.2

210534 1999 GH_3 7 3.6 223°.06 2°.3/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.02	−15 43.3	2.269	3.123	11.8	20.9
6 10	19 9.79	−15 40.2	2.187	3.118	8.9	20.7
6 20	19 2.83	−15 43.3	2.130	3.113	5.7	20.5
6 30	18 54.72	−15 52.2	2.098	3.108	2.8	20.3
7 10	18 46.24	−16 5.8	2.095	3.102	3.1	20.3
7 20	18 38.21	−16 23.0	2.119	3.096	6.3	20.5
7 30	18 31.40	−16 42.6	2.169	3.090	9.5	20.7
8 9	18 26.42	−17 3.5	2.243	3.084	12.4	20.8

168735 2000 QX_7 7 3.6 333°.72 1°.1/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 10.36	−22 1.8	0.925	1.841	19.1	19.1
6 10	19 8.51	−21 40.6	0.850	1.816	14.5	18.8
6 20	19 3.10	−21 22.1	0.793	1.792	8.9	18.4
6 30	18 54.97	−21 5.7	0.755	1.770	2.7	17.9
7 10	18 45.71	−20 50.2	0.737	1.750	4.4	17.9
7 20	18 37.22	−20 35.7	0.738	1.731	11.0	18.2
7 30	18 31.38	−20 22.6	0.758	1.715	17.1	18.5
8 9	18 29.44	−20 11.7	0.793	1.700	22.4	18.7

302194 2001 UW_{26} 7 3.7 89°.09 5°.0/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 23.92	−32 14.5	1.332	2.212	16.9	20.0
6 10	19 17.53	−32 56.9	1.279	2.222	12.8	19.8
6 20	19 7.88	−33 32.9	1.247	2.233	8.5	19.6
6 30	18 56.13	−33 55.8	1.238	2.243	5.2	19.5
7 10	18 43.95	−34 1.1	1.254	2.254	6.2	19.5
7 20	18 33.04	−33 48.5	1.293	2.264	10.1	19.8
7 30	18 24.83	−33 21.5	1.355	2.274	14.1	20.0
8 9	18 20.10	−32 45.3	1.437	2.284	17.7	20.3

203763 2002 RE_{174} 7 3.7 348°.68 1°.3/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 16.02	−19 45.6	1.811	2.682	13.5	19.8
6 10	19 10.89	−19 38.1	1.739	2.680	10.1	19.6
6 20	19 3.62	−19 34.6	1.689	2.679	6.1	19.4
6 30	18 54.96	−19 34.2	1.665	2.678	2.1	19.1
7 10	18 45.91	−19 35.6	1.667	2.678	3.0	19.2
7 20	18 37.50	−19 38.2	1.695	2.677	7.1	19.4
7 30	18 30.69	−19 41.4	1.749	2.676	10.9	19.6
8 9	18 26.17	−19 45.1	1.823	2.676	14.3	19.8

201571 2003 SP_{50} 7 3.7 283°.30 1°.5/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.78	−19 28.2	1.805	2.675	13.6	20.8
6 10	19 11.50	−19 13.6	1.727	2.667	10.2	20.6
6 20	19 4.03	−19 2.8	1.671	2.660	6.3	20.3
6 30	18 55.09	−18 55.1	1.640	2.653	2.3	20.1
7 10	18 45.68	−18 49.9	1.635	2.645	3.2	20.1
7 20	18 36.87	−18 46.4	1.657	2.638	7.3	20.3
7 30	18 29.67	−18 44.7	1.704	2.631	11.2	20.6
8 9	18 24.80	−18 44.6	1.772	2.624	14.7	20.8

335113 2004 TW_{186} 7 3.7 291°.49 0°.2/ 3.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 17.26	−23 3.1	1.668	2.545	14.2	21.2
6 10	19 12.21	−23 10.2	1.584	2.529	10.6	21.0
6 20	19 4.64	−23 19.6	1.521	2.513	6.4	20.7
6 30	18 55.29	−23 29.1	1.483	2.498	1.8	20.4
7 10	18 45.28	−23 36.3	1.471	2.482	3.1	20.4
7 20	18 35.83	−23 40.0	1.484	2.466	7.8	20.7
7 30	18 28.14	−23 40.2	1.522	2.451	12.2	20.9
8 9	18 23.07	−23 37.6	1.580	2.436	15.9	21.1

237118 2008 TE_{172} 7 3.7 273°.65 6°.2/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.16	− 5 9.1	1.910	2.742	14.5	19.9
6 10	19 10.28	− 5 6.6	1.819	2.724	11.8	19.7
6 20	19 3.34	− 5 20.5	1.749	2.707	8.9	19.5
6 30	18 54.92	− 5 52.3	1.703	2.689	6.7	19.3
7 10	18 45.90	− 6 41.1	1.684	2.671	6.5	19.3
7 20	18 37.23	− 7 44.5	1.690	2.653	8.8	19.4
7 30	18 29.89	− 8 58.6	1.721	2.635	11.9	19.5
8 9	18 24.63	−10 18.4	1.774	2.617	15.0	19.7

35974 1999 LW_{26} 7 3.7 37°.34 0°.9/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 17.61	−18 5.9	1.255	2.141	17.3	17.5
6 10	19 12.81	−18 44.9	1.197	2.146	12.9	17.2
6 20	19 5.10	−19 34.8	1.159	2.152	7.8	16.9
6 30	18 55.41	−20 31.7	1.143	2.158	2.4	16.6
7 10	18 45.16	−21 30.4	1.153	2.165	3.6	16.7
7 20	18 35.82	−22 26.0	1.186	2.171	8.9	17.1
7 30	18 28.75	−23 15.6	1.242	2.179	13.6	17.3
8 9	18 24.80	−23 57.8	1.317	2.186	17.7	17.6

314506 2005 XG_3 7 3.7 255°.66 1°.7/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.70	−28 17.5	2.373	3.236	11.0	20.8
6 10	19 11.07	−28 22.1	2.291	3.228	8.2	20.6
6 20	19 3.61	−28 24.2	2.232	3.221	5.0	20.4
6 30	18 54.95	−28 21.6	2.201	3.213	2.1	20.2
7 10	18 45.95	−28 13.0	2.197	3.205	3.0	20.2
7 20	18 37.46	−27 58.1	2.221	3.196	6.2	20.4
7 30	18 30.32	−27 37.9	2.272	3.188	9.3	20.6
8 9	18 25.13	−27 14.0	2.346	3.180	12.1	20.8

443603 2014 KM_{100} 7 3.7 337°.74 5°.8/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 12.40	− 7 16.1	2.041	2.882	13.4	20.6
6 10	19 7.98	− 6 44.4	1.965	2.877	10.8	20.4
6 20	19 1.81	− 6 24.8	1.911	2.872	8.1	20.3
6 30	18 54.47	− 6 18.8	1.881	2.867	6.1	20.1
7 10	18 46.78	− 6 26.9	1.877	2.863	6.1	20.1
7 20	18 39.55	− 6 47.9	1.898	2.859	8.2	20.2
7 30	18 33.58	− 7 19.8	1.944	2.855	10.9	20.4
8 9	18 29.48	− 7 59.5	2.012	2.852	13.6	20.6

11859 1988 SN_1 7 3.7 327°.48 1°.6/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 14.00	−16 51.0	1.191	2.084	17.6	17.6
6 10	19 10.52	−17 24.6	1.116	2.069	13.3	17.3
6 20	19 3.99	−18 12.7	1.061	2.054	8.3	17.0
6 30	18 55.18	−19 12.5	1.027	2.041	2.9	16.6
7 10	18 45.44	−20 19.2	1.016	2.028	3.9	16.6
7 20	18 36.33	−21 26.8	1.028	2.016	9.5	16.9
7 30	18 29.39	−22 30.8	1.062	2.005	14.8	17.2
8 9	18 25.72	−23 28.1	1.114	1.995	19.4	17.4

224380 2005 UH_{187} 7 3.7 166°.32 0°.4/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 18.51	−22 57.5	1.772	2.644	13.7	21.4
6 10	19 12.83	−23 15.7	1.702	2.645	10.2	21.2
6 20	19 4.84	−23 36.4	1.654	2.646	6.1	21.0
6 30	18 55.31	−23 57.0	1.632	2.647	1.7	20.7
7 10	18 45.34	−24 14.7	1.637	2.648	2.9	20.8
7 20	18 36.07	−24 28.1	1.669	2.649	7.3	21.1
7 30	18 28.53	−24 36.9	1.725	2.650	11.2	21.3
8 9	18 23.47	−24 41.7	1.802	2.650	14.6	21.5

155825 2000 WW_{161} 7 3.7 333°.12 14°.3/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 10.48	+ 1 46.9	1.265	2.105	20.0	18.7
6 10	19 7.58	+ 3 44.7	1.191	2.083	17.7	18.5
6 20	19 2.06	+ 5 22.2	1.134	2.061	15.6	18.3
6 30	18 54.63	+ 6 30.0	1.096	2.041	14.4	18.2
7 10	18 46.42	+ 7 1.4	1.077	2.022	14.7	18.1
7 20	18 38.71	+ 6 54.1	1.078	2.004	16.4	18.2
7 30	18 32.82	+ 6 10.9	1.096	1.988	18.9	18.3
8 9	18 29.71	+ 4 59.2	1.130	1.973	21.8	18.4

510523 2012 CW_{38} 7 3.7 203°.58 4°.9/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 12.66	− 4 2.3	2.838	3.648	10.9	22.5
6 10	19 7.74	− 4 7.0	2.755	3.645	8.8	22.3
6 20	19 1.49	− 4 23.5	2.694	3.641	6.7	22.2
6 30	18 54.38	− 4 52.4	2.660	3.638	5.2	22.1
7 10	18 46.98	− 5 32.8	2.654	3.633	5.0	22.0
7 20	18 39.89	− 6 22.9	2.676	3.629	6.5	22.1
7 30	18 33.71	− 7 20.4	2.724	3.624	8.6	22.3
8 9	18 28.91	− 8 22.4	2.797	3.619	10.7	22.4

216260 2006 WG_{13} 7 3.7 105°.23 0°.4/ 3.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.67	−22 23.3	2.315	3.178	11.3	21.1
6 10	19 10.23	−22 54.9	2.249	3.188	8.3	21.0
6 20	19 3.07	−23 29.2	2.208	3.198	4.9	20.8
6 30	18 54.81	−24 3.6	2.193	3.208	1.4	20.5
7 10	18 46.25	−24 35.6	2.207	3.218	2.4	20.6
7 20	18 38.23	−25 3.6	2.249	3.227	5.9	20.9
7 30	18 31.50	−25 26.8	2.317	3.236	9.0	21.1
8 9	18 26.65	−25 45.1	2.408	3.245	11.7	21.3

137990 2000 CD_{62} 7 3.7 177°.55 5°.5/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 17.80	− 7 24.6	2.024	2.856	13.8	20.2
6 10	19 11.93	− 7 3.0	1.951	2.859	11.0	20.0
6 20	19 4.15	− 6 53.9	1.899	2.860	8.1	19.8
6 30	18 55.13	− 6 58.5	1.873	2.861	5.9	19.7
7 10	18 45.73	− 7 16.4	1.873	2.861	5.9	19.7
7 20	18 36.88	− 7 46.1	1.900	2.861	8.1	19.8
7 30	18 29.41	− 8 25.3	1.953	2.860	11.1	20.0
8 9	18 23.98	− 9 10.6	2.027	2.858	13.9	20.2

469650 2004 TD_{141} 7 3.7 219°.76 11°.6/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.02	+ 8 15.6	2.028	2.790	16.2	21.2
6 10	19 9.94	+ 9 22.2	1.957	2.785	14.4	21.1
6 20	19 3.01	+10 7.4	1.904	2.781	12.8	21.0
6 30	18 54.83	+10 26.5	1.874	2.776	11.8	20.9
7 10	18 46.23	+10 17.6	1.865	2.771	11.7	20.9
7 20	18 38.10	+ 9 41.3	1.879	2.765	12.5	20.9
7 30	18 31.28	+ 8 41.1	1.915	2.760	14.1	21.0
8 9	18 26.40	+ 7 22.7	1.971	2.754	15.9	21.1

149298 2002 TS_{280} 7 3.7 222°.57 0°.2/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 20.30	−23 42.7	1.780	2.649	13.8	20.4
6 10	19 14.20	−23 39.1	1.702	2.643	10.3	20.1
6 20	19 5.69	−23 36.0	1.646	2.637	6.2	19.9
6 30	18 55.57	−23 31.4	1.615	2.630	1.7	19.6
7 10	18 44.96	−23 23.8	1.612	2.623	2.9	19.6
7 20	18 35.02	−23 12.9	1.635	2.616	7.4	19.9
7 30	18 26.87	−22 59.4	1.684	2.608	11.5	20.1
8 9	18 21.25	−22 44.7	1.754	2.600	15.0	20.3

47112 1999 CZ_{54} 7 3.7 213°.13 0°.0/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 13.24	−21 32.3	2.850	3.708	9.5	18.6
6 10	19 8.25	−21 52.2	2.768	3.704	7.0	18.5
6 20	19 1.83	−22 14.6	2.711	3.701	4.2	18.3
6 30	18 54.49	−22 37.8	2.682	3.697	1.1	18.0
7 10	18 46.84	−23 0.4	2.682	3.693	2.0	18.1
7 20	18 39.55	−23 21.1	2.710	3.688	5.0	18.3
7 30	18 33.24	−23 39.2	2.766	3.684	7.8	18.5
8 9	18 28.43	−23 54.5	2.846	3.679	10.2	18.7

150639 2001 CX_{8} 7 3.7 66°.25 5°.1/ 6.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 13.54	− 4 47.3	2.278	3.102	12.8	19.8
6 10	19 8.60	− 5 7.3	2.210	3.111	10.2	19.6
6 20	19 2.08	− 5 42.0	2.164	3.120	7.6	19.5
6 30	18 54.55	− 6 31.2	2.143	3.129	5.5	19.4
7 10	18 46.74	− 7 33.0	2.150	3.138	5.3	19.4
7 20	18 39.39	− 8 44.1	2.184	3.147	7.1	19.5
7 30	18 33.22	−10 1.0	2.244	3.156	9.6	19.7
8 9	18 28.74	−11 19.7	2.328	3.165	12.1	19.9

294443 2007 VV_{283} 7 3.7 262°.51 0°.3/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.23	−21 31.4	2.064	2.930	12.3	21.2
6 10	19 10.94	−21 36.2	1.980	2.921	9.1	21.0
6 20	19 3.66	−21 43.8	1.921	2.911	5.5	20.8
6 30	18 55.02	−21 52.6	1.887	2.901	1.6	20.5
7 10	18 45.92	−22 0.9	1.880	2.892	2.6	20.6
7 20	18 37.33	−22 7.7	1.901	2.882	6.5	20.8
7 30	18 30.14	−22 12.7	1.948	2.872	10.2	21.0
8 9	18 25.05	−22 16.1	2.016	2.862	13.4	21.2

263594 2008 FR_{115} 7 3.7 198°.62 1°.4/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 20.94	−25 19.2	1.955	2.819	13.0	22.1
6 10	19 14.56	−25 46.3	1.877	2.816	9.6	21.8
6 20	19 5.88	−26 14.1	1.823	2.813	5.8	21.6
6 30	18 55.63	−26 39.3	1.795	2.808	2.0	21.4
7 10	18 44.87	−26 58.9	1.794	2.803	3.2	21.4
7 20	18 34.72	−27 11.2	1.821	2.798	7.2	21.7
7 30	18 26.23	−27 16.5	1.874	2.791	10.9	21.9
8 9	18 20.15	−27 16.1	1.949	2.784	14.2	22.1

249675 1999 VZ_{178} 7 3.7 256°.48 9°.1/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 12.66	+ 7 4.7	2.698	3.451	12.8	20.8
6 10	19 7.87	+ 8 0.1	2.611	3.435	11.4	20.7
6 20	19 1.66	+ 8 39.8	2.544	3.419	10.1	20.5
6 30	18 54.46	+ 9 0.5	2.501	3.403	9.2	20.5
7 10	18 46.91	+ 9 0.8	2.482	3.387	9.2	20.4
7 20	18 39.63	+ 8 40.6	2.488	3.370	10.0	20.5
7 30	18 33.27	+ 8 1.9	2.516	3.353	11.4	20.5
8 9	18 28.37	+ 7 8.2	2.566	3.336	12.9	20.6

147677 2004 NS_{2} 7 3.7 319°.46 1°.4/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.93	−27 42.8	2.031	2.901	12.3	20.0
6 10	19 11.49	−27 33.2	1.951	2.892	9.2	19.8
6 20	19 3.97	−27 20.5	1.894	2.884	5.6	19.5
6 30	18 55.10	−27 2.9	1.863	2.877	2.0	19.3
7 10	18 45.86	−26 39.4	1.860	2.869	3.0	19.3
7 20	18 37.25	−26 10.5	1.883	2.862	6.8	19.6
7 30	18 30.20	−25 37.6	1.932	2.855	10.3	19.8
8 9	18 25.37	−25 2.9	2.003	2.848	13.5	20.0

496801 2017 JU 7 3.7 58°.30 20°.3/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 19.89	+10 19.7	1.076	1.877	25.3	20.4
6 10	19 14.50	+13 26.1	1.043	1.887	23.2	20.3
6 20	19 6.08	+15 55.6	1.024	1.898	21.4	20.2
6 30	18 55.72	+17 35.7	1.022	1.909	20.5	20.2
7 10	18 44.93	+18 20.1	1.037	1.921	20.5	20.2
7 20	18 35.27	+18 10.0	1.067	1.933	21.4	20.3
7 30	18 28.08	+17 13.1	1.112	1.945	22.8	20.5
8 9	18 24.15	+15 41.9	1.170	1.957	24.4	20.6

434205 2003 QK_{104} 7 3.7 312°.49 2°.7/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 17.05	−25 38.4	1.507	2.391	15.0	20.6
6 10	19 12.84	−26 33.1	1.400	2.349	11.4	20.3
6 20	19 5.56	−27 34.3	1.315	2.308	7.2	19.9
6 30	18 55.75	−28 36.8	1.254	2.266	3.1	19.6
7 10	18 44.54	−29 34.3	1.218	2.225	4.8	19.6
7 20	18 33.42	−30 21.5	1.206	2.184	9.8	19.7
7 30	18 24.05	−30 55.8	1.217	2.143	14.8	19.9
8 9	18 17.78	−31 17.7	1.247	2.102	19.3	20.1

385784 2006 BK_{65} 7 3.7 66°.91 0°.7/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 19.27	−23 34.4	1.617	2.493	14.6	21.4
6 10	19 13.35	−23 53.8	1.568	2.513	10.7	21.3
6 20	19 5.09	−24 15.0	1.542	2.534	6.4	21.0
6 30	18 55.41	−24 34.7	1.540	2.555	1.8	20.8
7 10	18 45.52	−24 50.5	1.565	2.575	3.1	20.9
7 20	18 36.59	−25 0.9	1.615	2.596	7.4	21.3
7 30	18 29.62	−25 6.3	1.690	2.617	11.3	21.5
8 9	18 25.25	−25 7.6	1.786	2.637	14.6	21.8

511605 2015 BF_{6} 7 3.7 222°.52 1°.5/ 4.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 19.38	−17 59.4	1.887	2.748	13.5	22.9
6 10	19 13.46	−18 8.7	1.803	2.739	10.2	22.6
6 20	19 5.28	−18 24.5	1.741	2.729	6.3	22.4
6 30	18 55.53	−18 45.0	1.706	2.719	2.3	22.1
7 10	18 45.21	−19 8.3	1.698	2.708	3.1	22.1
7 20	18 35.39	−19 32.5	1.717	2.696	7.2	22.4
7 30	18 27.12	−19 56.2	1.761	2.684	11.2	22.6
8 9	18 21.18	−20 18.8	1.828	2.671	14.6	22.8

426520 2013 RK_{47} 7 3.7 325°.69 3°.5/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.86	−28 51.6	1.239	2.133	16.9	20.6
6 10	19 12.78	−29 18.7	1.165	2.118	12.8	20.3
6 20	19 5.41	−29 44.1	1.110	2.103	8.1	20.0
6 30	18 55.65	−30 2.1	1.078	2.089	3.9	19.7
7 10	18 45.00	−30 8.3	1.068	2.076	5.3	19.8
7 20	18 35.19	−30 0.8	1.082	2.063	10.1	20.0
7 30	18 27.82	−29 41.3	1.116	2.051	15.0	20.2
8 9	18 23.95	−29 13.5	1.169	2.041	19.3	20.5

412483 2014 HK_{195} 7 3.7 75°.73 0°.7/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.33	−20 21.6	2.075	2.940	12.3	21.0
6 10	19 10.77	−20 25.6	2.018	2.957	9.1	20.8
6 20	19 3.41	−20 32.9	1.984	2.974	5.4	20.6
6 30	18 54.97	−20 42.1	1.976	2.990	1.7	20.4
7 10	18 46.32	−20 51.8	1.996	3.007	2.5	20.5
7 20	18 38.34	−21 0.9	2.044	3.024	6.2	20.7
7 30	18 31.83	−21 9.0	2.117	3.041	9.5	21.0
8 9	18 27.33	−21 16.0	2.213	3.057	12.4	21.2

476917 2008 WN_{73} 7 3.7 244.°87 1.°4/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 18.07	−25 38.3	2.039	2.907	12.4	22.1
6 10	19 12.44	−26 1.7	1.956	2.896	9.2	21.9
6 20	19 4.64	−26 25.6	1.896	2.886	5.6	21.6
6 30	18 55.36	−26 47.0	1.862	2.875	2.0	21.4
7 10	18 45.55	−27 3.4	1.856	2.865	3.1	21.4
7 20	18 36.25	−27 13.3	1.876	2.853	6.9	21.7
7 30	18 28.47	−27 16.6	1.923	2.842	10.6	21.9
8 9	18 22.93	−27 14.6	1.991	2.830	13.8	22.0

309672 2008 EA_{53} 7 3.7 203.°68 4.°6/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 13.44	− 7 29.1	2.374	3.206	12.1	20.6
6 10	19 8.56	− 7 29.2	2.296	3.204	9.6	20.5
6 20	19 2.11	− 7 40.9	2.240	3.203	7.0	20.3
6 30	18 54.64	− 8 4.7	2.211	3.201	4.9	20.2
7 10	18 46.83	− 8 39.5	2.208	3.200	4.9	20.2
7 20	18 39.42	− 9 23.4	2.233	3.198	6.9	20.3
7 30	18 33.12	−10 13.9	2.284	3.196	9.5	20.4
8 9	18 28.48	−11 8.2	2.358	3.194	12.0	20.6

294529 2007 XC_{33} 7 3.7 202.°27 1.°4/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 19.84	−18 17.6	1.874	2.734	13.6	22.3
6 10	19 13.76	−18 26.8	1.794	2.730	10.2	22.1
6 20	19 5.43	−18 42.0	1.738	2.726	6.3	21.9
6 30	18 55.58	−19 1.5	1.708	2.721	2.3	21.6
7 10	18 45.21	−19 23.4	1.705	2.715	3.0	21.6
7 20	18 35.41	−19 45.7	1.729	2.709	7.2	21.9
7 30	18 27.20	−20 7.4	1.779	2.702	11.1	22.1
8 9	18 21.35	−20 27.7	1.851	2.694	14.5	22.3

304474 2006 UE_{84} 7 3.7 37.°99 4.°0/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 17.51	−31 51.2	2.009	2.877	12.5	20.7
6 10	19 12.08	−32 41.9	1.943	2.880	9.5	20.5
6 20	19 4.43	−33 29.0	1.900	2.883	6.3	20.3
6 30	18 55.29	−34 7.9	1.883	2.886	4.1	20.1
7 10	18 45.72	−34 35.0	1.893	2.890	4.9	20.2
7 20	18 36.79	−34 48.6	1.930	2.893	7.8	20.4
7 30	18 29.53	−34 49.6	1.991	2.897	10.9	20.6
8 9	18 24.65	−34 40.5	2.073	2.901	13.7	20.8

21941 1999 VU_{92} 7 3.7 120.°39 5.°9/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.27	− 6 52.9	2.030	2.862	13.8	19.4
6 10	19 10.73	− 6 18.8	1.966	2.873	11.0	19.2
6 20	19 3.42	− 5 57.3	1.924	2.883	8.2	19.1
6 30	18 54.99	− 5 49.7	1.908	2.892	6.2	19.0
7 10	18 46.30	− 5 56.2	1.918	2.902	6.2	19.0
7 20	18 38.21	− 6 15.6	1.954	2.911	8.2	19.1
7 30	18 31.50	− 6 45.6	2.014	2.920	10.9	19.3
8 9	18 26.74	− 7 23.2	2.097	2.928	13.5	19.5

334378 2002 AG_{166} 7 3.7 200.°95 9.°0/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.98	+ 6 55.8	2.320	3.076	14.5	21.2
6 10	19 11.21	+ 7 0.2	2.238	3.072	12.7	21.0
6 20	19 3.73	+ 6 43.5	2.175	3.067	10.8	20.9
6 30	18 55.10	+ 6 3.4	2.137	3.062	9.4	20.8
7 10	18 46.08	+ 5 0.0	2.123	3.057	9.1	20.8
7 20	18 37.45	+ 3 35.9	2.136	3.050	10.0	20.8
7 30	18 29.99	+ 1 55.8	2.175	3.044	11.7	20.9
8 9	18 24.31	+ 0 5.5	2.236	3.036	13.7	21.0

381522 2008 SV_{218} 7 3.7 178.°31 5.°2/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 22.78	−37 26.1	2.223	3.072	12.2	21.0
6 10	19 15.85	−38 2.4	2.153	3.073	9.5	20.8
6 20	19 6.62	−38 30.6	2.106	3.074	6.9	20.7
6 30	18 55.89	−38 45.8	2.085	3.075	5.3	20.6
7 10	18 44.77	−38 45.2	2.092	3.075	5.8	20.6
7 20	18 34.39	−38 28.5	2.126	3.075	8.1	20.7
7 30	18 25.79	−37 58.2	2.184	3.074	10.8	20.9
8 9	18 19.67	−37 18.0	2.265	3.073	13.3	21.1

32939 1995 UN_{2} 7 3.7 196.°06 0.°5/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.01	−20 17.0	2.803	3.656	9.8	20.4
6 10	19 9.56	−20 25.8	2.720	3.654	7.3	20.2
6 20	19 2.65	−20 37.3	2.663	3.651	4.4	20.0
6 30	18 54.79	−20 50.3	2.633	3.647	1.3	19.8
7 10	18 46.64	−21 3.6	2.632	3.643	2.0	19.8
7 20	18 38.86	−21 16.1	2.661	3.639	5.1	20.1
7 30	18 32.11	−21 27.5	2.716	3.634	7.9	20.2
8 9	18 26.90	−21 37.6	2.796	3.628	10.4	20.4

321691 2010 EW_{108} 7 3.7 34.°54 1.°2/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.75	−18 30.6	1.800	2.670	13.6	20.3
6 10	19 10.74	−18 46.4	1.731	2.672	10.2	20.1
6 20	19 3.61	−19 8.7	1.685	2.675	6.2	19.9
6 30	18 55.08	−19 35.6	1.665	2.678	2.1	19.6
7 10	18 46.15	−20 4.6	1.670	2.681	2.9	19.7
7 20	18 37.84	−20 33.7	1.703	2.685	7.0	19.9
7 30	18 31.12	−21 1.2	1.760	2.688	10.8	20.2
8 9	18 26.67	−21 26.4	1.838	2.692	14.1	20.4

442558 2012 AU_{8} 7 3.7 294.°44 2.°0/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 13.52	−15 24.4	2.243	3.101	11.8	21.1
6 10	19 8.82	−15 42.6	2.159	3.092	8.9	20.9
6 20	19 2.38	−16 8.7	2.098	3.083	5.7	20.7
6 30	18 54.75	−16 41.4	2.064	3.075	2.6	20.5
7 10	18 46.70	−17 18.9	2.057	3.066	2.9	20.5
7 20	18 39.03	−17 59.0	2.078	3.057	6.2	20.7
7 30	18 32.55	−18 39.7	2.125	3.049	9.5	20.9
8 9	18 27.87	−19 19.5	2.195	3.041	12.4	21.1

363718 2004 VT_{37} 7 3.7 346.°60 3.°1/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 12.76	−18 45.2	0.961	1.869	19.3	20.0
6 10	19 9.96	−18 11.7	0.899	1.859	14.7	19.6
6 20	19 3.78	−17 45.1	0.854	1.849	9.3	19.3
6 30	18 55.22	−17 26.3	0.829	1.842	4.0	19.0
7 10	18 45.89	−17 15.2	0.824	1.835	5.0	19.0
7 20	18 37.55	−17 11.5	0.841	1.831	10.6	19.3
7 30	18 31.80	−17 14.4	0.876	1.827	16.1	19.6
8 9	18 29.64	−17 22.2	0.928	1.826	20.8	19.9

342386 2008 UK_{34} 7 3.7 265.°64 1.°4/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.53	−18 25.1	1.853	2.720	13.4	21.7
6 10	19 11.37	−18 30.2	1.773	2.712	10.1	21.5
6 20	19 4.04	−18 41.2	1.715	2.703	6.2	21.2
6 30	18 55.22	−18 56.7	1.682	2.695	2.3	20.9
7 10	18 45.90	−19 15.1	1.676	2.686	3.0	21.0
7 20	18 37.10	−19 34.7	1.696	2.678	7.1	21.2
7 30	18 29.82	−19 54.3	1.742	2.669	11.0	21.4
8 9	18 24.82	−20 13.1	1.809	2.660	14.4	21.6

235796 2004 XH_{19} 7 3.7 162.°00 2.°6/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 19.53	−27 26.8	2.156	3.018	12.0	20.6
6 10	19 13.42	−28 25.6	2.085	3.023	8.9	20.4
6 20	19 5.19	−29 24.6	2.039	3.027	5.6	20.2
6 30	18 55.53	−30 19.3	2.021	3.030	2.8	20.0
7 10	18 45.40	−31 5.8	2.030	3.033	3.8	20.1
7 20	18 35.80	−31 41.6	2.067	3.036	7.0	20.3
7 30	18 27.72	−32 6.4	2.131	3.038	10.3	20.5
8 9	18 21.85	−32 21.4	2.217	3.040	13.1	20.7

385008 2012 TT_{236} 7 3.7 187.°98 1.°5/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.41	−17 34.4	2.057	2.918	12.6	20.7
6 10	19 11.02	−17 44.3	1.982	2.917	9.4	20.5
6 20	19 3.70	−18 0.3	1.930	2.917	5.8	20.3
6 30	18 55.11	−18 21.1	1.904	2.916	2.3	20.1
7 10	18 46.13	−18 44.7	1.905	2.915	2.8	20.1
7 20	18 37.68	−19 9.6	1.934	2.914	6.5	20.4
7 30	18 30.62	−19 34.4	1.989	2.913	10.0	20.6
8 9	18 25.60	−19 58.2	2.066	2.911	13.1	20.8

59825 1999 RV_{27} 7 3.7 276.°11 2.°4/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 14.20	−15 15.1	2.380	3.233	11.3	19.2
6 10	19 9.29	−15 12.1	2.284	3.213	8.6	19.0
6 20	19 2.67	−15 15.3	2.211	3.193	5.6	18.8
6 30	18 54.86	−15 24.6	2.165	3.173	2.8	18.6
7 10	18 46.59	−15 39.0	2.146	3.153	3.2	18.6
7 20	18 38.63	−15 57.6	2.156	3.132	6.2	18.7
7 30	18 31.77	−16 19.0	2.191	3.111	9.4	18.9
8 9	18 26.64	−16 42.2	2.250	3.091	12.3	19.0

147867 2005 VF_{102} 7 3.7 83.°20 2.°3/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 21.92	−29 11.7	1.633	2.506	14.7	19.7
6 10	19 15.44	−29 8.7	1.574	2.516	10.9	19.5
6 20	19 6.43	−29 1.1	1.537	2.526	6.7	19.3
6 30	18 55.86	−28 46.0	1.525	2.537	2.8	19.0
7 10	18 45.03	−28 21.9	1.539	2.547	3.8	19.1
7 20	18 35.24	−27 49.9	1.579	2.557	7.9	19.4
7 30	18 27.56	−27 12.5	1.644	2.567	11.8	19.6
8 9	18 22.67	−26 32.9	1.730	2.577	15.1	19.9

475221 2005 VN_{89} 7 3.7 154.°20 2.°9/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 13.52	−12 15.7	2.877	3.715	10.0	22.1
6 10	19 8.34	−12 6.8	2.803	3.721	7.7	21.9
6 20	19 1.87	−12 4.4	2.754	3.727	5.2	21.8
6 30	18 54.60	−12 8.6	2.732	3.733	3.2	21.7
7 10	18 47.11	−12 18.8	2.739	3.738	3.3	21.7
7 20	18 40.01	−12 34.2	2.774	3.743	5.4	21.8
7 30	18 33.87	−12 53.7	2.836	3.748	7.9	22.0
8 9	18 29.13	−13 16.0	2.922	3.752	10.1	22.2

510596 2012 SB_{65} 7 3.7 255.°84 6.°8/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 23.52	−40 51.5	2.209	3.051	12.5	22.0
6 10	19 16.88	−41 52.1	2.121	3.031	10.2	21.8
6 20	19 7.55	−42 44.1	2.057	3.011	8.0	21.6
6 30	18 56.26	−43 21.1	2.017	2.991	6.9	21.5
7 10	18 44.19	−43 38.4	2.005	2.969	7.5	21.5
7 20	18 32.63	−43 34.5	2.018	2.948	9.6	21.6
7 30	18 22.88	−43 11.1	2.055	2.926	12.2	21.7
8 9	18 15.86	−42 32.7	2.113	2.903	14.7	21.9

279308 2009 WM_{216} 7 3.7 256°.84 3°.2/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 15.98	−33 13.8	2.760	3.615	9.9	21.0
6 10	19 10.49	−33 38.2	2.675	3.605	7.5	20.9
6 20	19 3.32	−33 58.3	2.616	3.595	5.1	20.7
6 30	18 55.02	−34 11.2	2.583	3.585	3.3	20.6
7 10	18 46.37	−34 15.1	2.579	3.574	3.9	20.6
7 20	18 38.16	−34 9.4	2.602	3.564	6.2	20.7
7 30	18 31.13	−33 54.7	2.652	3.553	8.7	20.9
8 9	18 25.88	−33 33.0	2.725	3.543	11.1	21.0

91154 1998 QM_{50} 7 3.7 326°.59 2°.7/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 12.47	−14 32.1	1.885	2.751	13.3	18.8
6 10	19 8.39	−14 42.3	1.799	2.736	10.2	18.6
6 20	19 2.29	−15 2.1	1.736	2.721	6.6	18.4
6 30	18 54.79	−15 31.0	1.697	2.706	3.3	18.1
7 10	18 46.74	−16 7.0	1.685	2.692	3.6	18.1
7 20	18 39.12	−16 48.0	1.698	2.679	7.1	18.3
7 30	18 32.85	−17 31.3	1.736	2.666	10.9	18.5
8 9	18 28.68	−18 14.8	1.796	2.654	14.2	18.7

52033 2002 PT_{41} 7 3.7 310°.07 0°.5/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.97	−20 41.5	1.315	2.204	16.5	19.4
6 10	19 11.97	−20 54.0	1.229	2.181	12.4	19.1
6 20	19 4.93	−21 13.5	1.163	2.157	7.6	18.7
6 30	18 55.61	−21 37.7	1.120	2.134	2.2	18.3
7 10	18 45.27	−22 3.2	1.100	2.112	3.6	18.4
7 20	18 35.45	−22 27.3	1.103	2.090	9.2	18.6
7 30	18 27.67	−22 48.3	1.129	2.068	14.5	18.9
8 9	18 23.07	−23 5.9	1.173	2.048	19.1	19.1

338557 2003 SJ_{59} 7 3.7 321°.42 0°.4/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 19.37	−24 35.7	1.589	2.466	14.8	19.4
6 10	19 13.75	−23 53.2	1.510	2.456	11.0	19.1
6 20	19 5.57	−23 7.7	1.454	2.446	6.7	18.9
6 30	18 55.68	−22 18.8	1.422	2.437	1.9	18.5
7 10	18 45.32	−21 27.3	1.417	2.428	3.2	18.6
7 20	18 35.76	−20 35.2	1.437	2.420	8.0	18.9
7 30	18 28.16	−19 45.2	1.482	2.412	12.4	19.1
8 9	18 23.29	−18 59.6	1.547	2.404	16.1	19.3

259373 2003 HA_{25} 7 3.7 347°.04 5°.1/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 17.25	−34 36.7	1.927	2.795	13.0	20.3
6 10	19 12.12	−35 31.3	1.858	2.792	10.0	20.1
6 20	19 4.59	−36 20.6	1.811	2.789	7.1	19.9
6 30	18 55.43	−36 59.1	1.790	2.786	5.2	19.8
7 10	18 45.73	−37 22.8	1.794	2.784	6.0	19.9
7 20	18 36.69	−37 30.2	1.824	2.781	8.7	20.0
7 30	18 29.42	−37 22.5	1.878	2.780	11.7	20.2
8 9	18 24.69	−37 2.9	1.953	2.778	14.5	20.4

307193 2002 EH_{145} 7 3.7 103°.17 0°.5/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.25	−20 45.8	2.355	3.216	11.2	21.6
6 10	19 9.91	−20 52.8	2.288	3.225	8.2	21.4
6 20	19 2.92	−21 2.7	2.245	3.234	4.9	21.2
6 30	18 54.91	−21 13.9	2.229	3.243	1.5	21.0
7 10	18 46.66	−21 25.2	2.241	3.252	2.3	21.1
7 20	18 38.93	−21 35.5	2.281	3.261	5.7	21.3
7 30	18 32.47	−21 44.5	2.347	3.269	8.8	21.5
8 9	18 27.81	−21 51.9	2.437	3.278	11.5	21.7

279267 2009 VF_{103} 7 3.7 241°.91 1°.2/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 19.17	−24 41.2	2.020	2.886	12.6	21.1
6 10	19 13.35	−25 10.6	1.933	2.872	9.4	20.8
6 20	19 5.28	−25 41.9	1.868	2.858	5.7	20.6
6 30	18 55.63	−26 11.8	1.830	2.844	1.9	20.3
7 10	18 45.36	−26 37.3	1.820	2.829	3.1	20.4
7 20	18 35.54	−26 56.3	1.837	2.814	7.1	20.6
7 30	18 27.23	−27 8.5	1.879	2.798	10.8	20.8
8 9	18 21.22	−27 14.7	1.944	2.781	14.1	21.0

309701 2008 FX_{99} 7 3.7 127°.54 2°.0/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.33	−27 10.8	2.424	3.287	10.8	21.1
6 10	19 10.82	−27 53.5	2.355	3.293	8.0	20.9
6 20	19 3.54	−28 35.9	2.311	3.299	4.9	20.7
6 30	18 55.10	−29 14.7	2.294	3.305	2.3	20.6
7 10	18 46.32	−29 47.3	2.305	3.310	3.2	20.6
7 20	18 38.03	−30 11.9	2.344	3.316	6.1	20.8
7 30	18 31.04	−30 28.4	2.410	3.321	9.1	21.0
8 9	18 25.92	−30 37.7	2.498	3.326	11.7	21.2

347142 2010 OB_{77} 7 3.7 28°.21 2°.5/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.55	−15 51.9	1.903	2.766	13.3	21.4
6 10	19 10.49	−15 49.1	1.832	2.767	10.1	21.2
6 20	19 3.45	−15 53.7	1.782	2.768	6.4	21.0
6 30	18 55.09	−16 5.0	1.758	2.768	3.0	20.7
7 10	18 46.36	−16 21.7	1.761	2.769	3.5	20.8
7 20	18 38.20	−16 42.3	1.790	2.770	7.0	21.0
7 30	18 31.52	−17 5.4	1.845	2.771	10.6	21.2
8 9	18 26.96	−17 29.5	1.921	2.772	13.7	21.4

508671 2017 US_{11} 7 3.7 279°.18 0°.5/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 19.93	−22 49.9	1.565	2.440	15.0	21.1
6 10	19 14.38	−22 31.8	1.478	2.423	11.3	20.9
6 20	19 6.11	−22 14.1	1.413	2.405	6.9	20.6
6 30	18 55.89	−21 55.6	1.373	2.387	2.0	20.2
7 10	18 44.96	−21 35.2	1.358	2.369	3.3	20.3
7 20	18 34.65	−21 13.2	1.369	2.351	8.3	20.5
7 30	18 26.27	−20 50.8	1.404	2.333	12.9	20.7
8 9	18 20.72	−20 29.6	1.459	2.315	17.0	20.9

475557 2006 TB_{84} 7 3.7 284°.58 1°.8/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 17.13	−27 34.9	2.053	2.922	12.2	21.5
6 10	19 11.74	−27 46.9	1.972	2.913	9.1	21.3
6 20	19 4.24	−27 57.3	1.914	2.904	5.6	21.1
6 30	18 55.33	−28 3.3	1.883	2.895	2.3	20.8
7 10	18 45.97	−28 3.0	1.879	2.887	3.2	20.9
7 20	18 37.18	−27 55.6	1.901	2.878	6.9	21.1
7 30	18 29.91	−27 42.0	1.949	2.869	10.4	21.3
8 9	18 24.86	−27 23.8	2.019	2.861	13.5	21.5

413148 2002 CQ_{249} 7 3.7 39°.78 3°.7/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 21.01	−29 43.4	1.190	2.081	17.7	20.3
6 10	19 15.62	−30 6.5	1.138	2.089	13.2	20.1
6 20	19 6.92	−30 25.2	1.105	2.097	8.4	19.8
6 30	18 56.08	−30 33.9	1.095	2.106	4.1	19.6
7 10	18 44.81	−30 29.2	1.108	2.115	5.3	19.7
7 20	18 34.84	−30 10.9	1.145	2.125	9.9	20.0
7 30	18 27.58	−29 42.2	1.203	2.135	14.4	20.3
8 9	18 23.84	−29 7.4	1.280	2.146	18.3	20.5

226331 2003 FL 7 3.7 94°.44 0°.3/ 3.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 18.31	−21 34.0	1.678	2.551	14.3	20.7
6 10	19 12.83	−22 7.7	1.613	2.557	10.6	20.4
6 20	19 4.97	−22 46.2	1.570	2.562	6.3	20.2
6 30	18 55.54	−23 26.1	1.553	2.568	1.7	19.9
7 10	18 45.65	−24 3.8	1.563	2.574	3.0	20.0
7 20	18 36.49	−24 36.5	1.598	2.579	7.5	20.3
7 30	18 29.13	−25 3.3	1.658	2.585	11.5	20.6
8 9	18 24.31	−25 24.2	1.740	2.591	14.9	20.8

426242 2012 PN_{16} 7 3.7 356°.40 13°.9/ 1.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 25.19	−51 5.3	1.372	2.213	18.7	20.3
6 10	19 19.85	−52 38.3	1.320	2.210	16.5	20.1
6 20	19 10.02	−53 48.9	1.287	2.207	14.7	20.0
6 30	18 57.02	−54 25.2	1.273	2.205	13.9	19.9
7 10	18 43.16	−54 20.4	1.280	2.204	14.5	20.0
7 20	18 30.94	−53 35.1	1.306	2.204	16.1	20.1
7 30	18 22.41	−52 16.6	1.350	2.205	18.2	20.2
8 9	18 18.53	−50 35.7	1.411	2.207	20.5	20.4

407729 2011 UH_{328} 7 3.7 344°.12 3°.6/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 19.89	−28 40.5	1.156	2.051	17.8	20.5
6 10	19 15.11	−29 13.3	1.094	2.047	13.4	20.2
6 20	19 6.84	−29 44.4	1.051	2.044	8.5	19.9
6 30	18 56.13	−30 7.3	1.030	2.041	4.1	19.7
7 10	18 44.69	−30 17.3	1.032	2.039	5.4	19.8
7 20	18 34.33	−30 12.6	1.056	2.037	10.4	20.0
7 30	18 26.68	−29 55.4	1.102	2.036	15.2	20.3
8 9	18 22.73	−29 29.9	1.165	2.035	19.5	20.6

76939 2001 BF_{3} 7 3.7 61°.92 3°.8/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 19.26	−29 17.9	1.680	2.556	14.2	18.6
6 10	19 13.69	−30 24.4	1.623	2.565	10.6	18.4
6 20	19 5.56	−31 29.6	1.587	2.574	6.8	18.2
6 30	18 55.72	−32 27.4	1.577	2.584	4.0	18.0
7 10	18 45.39	−33 12.6	1.594	2.594	5.1	18.1
7 20	18 35.86	−33 42.9	1.635	2.604	8.6	18.3
7 30	18 28.30	−33 58.7	1.701	2.614	12.1	18.6
8 9	18 23.47	−34 2.4	1.788	2.624	15.2	18.8

23597 1995 WY_{4} 7 3.7 269°.31 0°.4/ 3.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 19.62	−22 27.8	1.689	2.561	14.3	19.2
6 10	19 14.15	−22 51.1	1.596	2.539	10.7	18.9
6 20	19 6.02	−23 18.9	1.526	2.517	6.5	18.6
6 30	18 55.92	−23 48.0	1.480	2.495	1.8	18.3
7 10	18 44.95	−24 15.0	1.461	2.472	3.2	18.3
7 20	18 34.41	−24 37.5	1.468	2.449	8.0	18.5
7 30	18 25.59	−24 54.4	1.500	2.425	12.5	18.7
8 9	18 19.45	−25 6.3	1.552	2.401	16.5	18.9

512124 2015 PK_{6} 7 3.7 296°.80 1°.3/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.14	−19 41.9	2.072	2.938	12.3	21.2
6 10	19 10.25	−19 31.8	1.979	2.918	9.2	20.9
6 20	19 3.38	−19 25.0	1.910	2.899	5.7	20.7
6 30	18 55.13	−19 20.7	1.866	2.879	2.0	20.4
7 10	18 46.36	−19 18.3	1.850	2.860	2.8	20.4
7 20	18 38.01	−19 17.1	1.860	2.841	6.6	20.6
7 30	18 30.99	−19 16.9	1.896	2.822	10.3	20.8
8 9	18 26.01	−19 17.5	1.954	2.803	13.6	21.0

147642 2004 JL_{15} 7 3.7 3°.76 1°.6/ 4.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 12.80	−18 57.9	1.502	2.387	15.0	19.2
6 10	19 8.92	−18 53.9	1.438	2.387	11.2	19.0
6 20	19 2.70	−18 56.0	1.395	2.387	6.9	18.7
6 30	18 54.93	−19 3.3	1.375	2.389	2.5	18.5
7 10	18 46.75	−19 14.2	1.380	2.391	3.3	18.5
7 20	18 39.29	−19 27.1	1.410	2.395	7.8	18.8
7 30	18 33.63	−19 40.8	1.463	2.400	11.9	19.0
8 9	18 30.48	−19 54.5	1.536	2.406	15.6	19.3

210098 2006 QM_{104} 7 3.7 280°.20 0°.2/ 3.8 18

5 31	19 16.29	−21 49.9	1.977	2.846	12.6	20.5
6 10	19 11.13	−21 54.6	1.896	2.837	9.4	20.3
6 20	19 3.90	−22 2.0	1.838	2.829	5.7	20.0
6 30	18 55.26	−22 10.4	1.805	2.820	1.6	19.7
7 10	18 46.16	−22 18.1	1.800	2.811	2.6	19.8
7 20	18 37.59	−22 24.0	1.821	2.803	6.7	20.0
7 30	18 30.49	−22 27.9	1.868	2.794	10.5	20.3
8 9	18 25.56	−22 30.1	1.937	2.785	13.7	20.4

426034 2011 QO_{75} 7 3.7 11°.38 0°.6/ 3.7 18

5 31	19 17.91	−25 25.8	1.684	2.561	14.1	20.3
6 10	19 12.50	−25 12.2	1.617	2.562	10.4	20.1
6 20	19 4.74	−24 57.2	1.571	2.564	6.3	19.8
6 30	18 55.49	−24 39.1	1.551	2.565	1.8	19.5
7 10	18 45.88	−24 17.3	1.556	2.568	3.0	19.6
7 20	18 37.08	−23 52.0	1.588	2.570	7.4	19.9
7 30	18 30.13	−23 24.8	1.644	2.573	11.4	20.1
8 9	18 25.72	−22 57.4	1.721	2.576	14.9	20.4

282393 2003 SR_{194} 7 3.7 285°.49 5°.7/ 4.5 16

5 31	19 15.55	− 9 27.3	1.839	2.687	14.4	20.4
6 10	19 10.59	− 8 43.1	1.759	2.678	11.4	20.2
6 20	19 3.59	− 8 9.5	1.701	2.669	8.4	20.0
6 30	18 55.19	− 7 48.4	1.667	2.659	6.0	19.8
7 10	18 46.32	− 7 41.0	1.659	2.650	6.2	19.8
7 20	18 37.97	− 7 46.9	1.677	2.641	8.7	19.9
7 30	18 31.06	− 8 4.5	1.718	2.632	11.9	20.1
8 9	18 26.30	− 8 31.3	1.781	2.623	15.0	20.3

275958 2001 VQ_{111} 7 3.7 230°.70 0°.5/ 3.6 18

5 31	19 19.12	−23 22.8	1.908	2.775	13.1	21.4
6 10	19 13.32	−23 36.2	1.827	2.767	9.7	21.2
6 20	19 5.27	−23 51.4	1.768	2.759	5.9	20.9
6 30	18 55.66	−24 6.0	1.736	2.750	1.7	20.6
7 10	18 45.53	−24 17.8	1.730	2.741	2.8	20.7
7 20	18 35.95	−24 25.3	1.752	2.732	7.1	20.9
7 30	18 27.98	−24 28.6	1.799	2.722	11.0	21.1
8 9	18 22.36	−24 28.4	1.868	2.712	14.3	21.3

468617 2008 EM_{86} 7 3.7 133°.57 0°.8/ 3.9 17

5 31	19 19.95	−19 33.2	1.746	2.612	14.2	22.3
6 10	19 13.87	−19 48.1	1.682	2.622	10.5	22.1
6 20	19 5.53	−20 8.3	1.641	2.631	6.4	21.9
6 30	18 55.71	−20 31.5	1.625	2.639	2.0	21.6
7 10	18 45.51	−20 55.4	1.636	2.647	2.9	21.7
7 20	18 36.07	−21 17.9	1.674	2.655	7.2	22.0
7 30	18 28.39	−21 38.1	1.737	2.662	11.1	22.2
8 9	18 23.17	−21 55.7	1.822	2.669	14.5	22.4

163974 2003 UC_{109} 7 3.7 292°.07 1°.8/ 3.5 18 R

5 31	19 18.55	−27 31.7	1.814	2.687	13.4	20.3
6 10	19 13.01	−27 35.7	1.737	2.680	10.0	20.1
6 20	19 5.10	−27 37.5	1.682	2.672	6.1	19.8
6 30	18 55.62	−27 34.4	1.652	2.665	2.3	19.6
7 10	18 45.65	−27 24.3	1.649	2.658	3.4	19.6
7 20	18 36.37	−27 7.1	1.672	2.651	7.4	19.9
7 30	18 28.85	−26 44.2	1.720	2.644	11.3	20.1
8 9	18 23.83	−26 17.8	1.789	2.637	14.7	20.3

442126 2010 TZ_{185} 7 3.7 196°.37 3°.1/ 3.1 18

5 31	19 17.46	−32 21.3	2.450	3.309	10.9	21.2
6 10	19 11.69	−32 39.9	2.375	3.308	8.2	21.0
6 20	19 4.09	−32 53.9	2.325	3.307	5.4	20.9
6 30	18 55.32	−33 0.4	2.302	3.306	3.3	20.7
7 10	18 46.22	−32 57.6	2.306	3.305	3.9	20.8
7 20	18 37.70	−32 45.1	2.338	3.304	6.5	20.9
7 30	18 30.56	−32 24.2	2.396	3.303	9.3	21.1
8 9	18 25.41	−31 57.0	2.477	3.302	11.8	21.3

360692 2004 SQ_{37} 7 3.7 113°.63 4°.2/ 4.9 16

5 31	19 13.56	− 9 29.0	2.418	3.255	11.7	21.5
6 10	19 8.62	− 9 12.3	2.347	3.261	9.2	21.3
6 20	19 2.18	− 9 4.9	2.300	3.266	6.6	21.2
6 30	18 54.79	− 9 7.5	2.278	3.272	4.5	21.1
7 10	18 47.16	− 9 19.6	2.284	3.277	4.6	21.1
7 20	18 39.97	− 9 40.3	2.317	3.282	6.6	21.2
7 30	18 33.90	−10 7.7	2.376	3.287	9.2	21.4
8 9	18 29.45	−10 39.7	2.458	3.293	11.6	21.6

143400 2003 BX_{34} 7 3.7 75°.19 0°.4/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 16.60	−21 19.1	2.044	2.910	12.4	20.1
6 10	19 11.09	−21 25.2	1.984	2.924	9.1	19.9
6 20	19 3.72	−21 34.1	1.949	2.939	5.5	19.7
6 30	18 55.22	−21 44.1	1.939	2.953	1.6	19.5
7 10	18 46.48	−21 53.7	1.957	2.968	2.5	19.6
7 20	18 38.42	−22 1.8	2.002	2.983	6.2	19.9
7 30	18 31.84	−22 8.2	2.072	2.997	9.7	20.1
8 9	18 27.32	−22 12.9	2.166	3.011	12.6	20.3

25243 1998 UQ_{15} 7 3.7 236°.28 0°.5/ 3.6 18

5 31	19 17.06	−23 1.1	2.062	2.929	12.3	18.3
6 10	19 11.66	−23 22.8	1.983	2.923	9.1	18.1
6 20	19 4.23	−23 47.0	1.927	2.918	5.5	17.9
6 30	18 55.41	−24 11.2	1.897	2.912	1.5	17.6
7 10	18 46.13	−24 32.9	1.895	2.906	2.7	17.7
7 20	18 37.36	−24 50.6	1.920	2.899	6.6	17.9
7 30	18 30.03	−25 3.7	1.971	2.893	10.2	18.1
8 9	18 24.83	−25 12.6	2.044	2.887	13.3	18.3

103290 2000 AN_{43} 7 3.7 246°.33 1°.5/ 3.4 18

5 31	19 18.65	−26 31.9	2.161	3.025	11.9	20.2
6 10	19 12.86	−26 50.4	2.073	3.011	8.9	20.0
6 20	19 4.97	−27 8.5	2.008	2.997	5.4	19.7
6 30	18 55.63	−27 23.2	1.970	2.983	2.1	19.5
7 10	18 45.76	−27 32.4	1.960	2.968	3.1	19.5
7 20	18 36.36	−27 34.9	1.977	2.953	6.7	19.7
7 30	18 28.40	−27 30.9	2.021	2.938	10.2	19.9
8 9	18 22.60	−27 21.9	2.087	2.922	13.3	20.1

419640 2010 TL_{22} 7 3.7 133°.77 1°.8/ 3.4 17

5 31	19 22.19	−26 15.5	1.712	2.581	14.3	22.3
6 10	19 15.67	−26 40.7	1.650	2.592	10.6	22.1
6 20	19 6.67	−27 5.4	1.611	2.601	6.4	21.9
6 30	18 56.08	−27 25.9	1.597	2.611	2.4	21.7
7 10	18 45.10	−27 39.1	1.611	2.619	3.5	21.8
7 20	18 34.99	−27 43.8	1.650	2.628	7.7	22.0
7 30	18 26.84	−27 41.0	1.715	2.635	11.6	22.3
8 9	18 21.39	−27 32.5	1.801	2.643	14.9	22.5

354720 2005 SY_{116} 7 3.7 312°.23 6°.1/ 5.2 18

5 31	19 13.25	− 5 55.7	2.062	2.896	13.6	20.4
6 10	19 8.71	− 5 30.8	1.984	2.890	11.0	20.2
6 20	19 2.40	− 5 19.1	1.927	2.884	8.3	20.0
6 30	18 54.90	− 5 22.3	1.895	2.878	6.4	19.9
7 10	18 47.02	− 5 40.3	1.889	2.873	6.3	19.9
7 20	18 39.57	− 6 11.9	1.908	2.867	8.3	20.0
7 30	18 33.37	− 6 54.5	1.952	2.862	11.0	20.1
8 9	18 29.03	− 7 44.6	2.018	2.857	13.6	20.3

180377 2003 YC_{134} 7 3.7 284°.53 4°.0/ 3.1 18

5 31	19 21.58	−30 56.7	1.509	2.386	15.4	20.5
6 10	19 16.08	−31 24.8	1.421	2.364	11.8	20.2
6 20	19 7.42	−31 49.4	1.354	2.342	7.7	20.0
6 30	18 56.40	−32 4.6	1.311	2.319	4.3	19.7
7 10	18 44.41	−32 5.9	1.293	2.296	5.4	19.7
7 20	18 33.04	−31 51.8	1.299	2.273	9.7	19.9
7 30	18 23.86	−31 24.0	1.329	2.250	14.1	20.1
8 9	18 17.95	−30 47.1	1.378	2.227	18.2	20.3

54093 2000 GC_{182} 7 3.7 296°.67 1°.4/ 3.5 18

5 31	19 18.88	−25 13.6	1.488	2.370	15.3	19.4
6 10	19 14.03	−25 28.9	1.394	2.342	11.6	19.1
6 20	19 6.19	−25 45.7	1.321	2.314	7.1	18.7
6 30	18 56.07	−26 0.4	1.272	2.286	2.3	18.4
7 10	18 44.92	−26 9.5	1.248	2.258	3.8	18.4
7 20	18 34.23	−26 11.1	1.248	2.230	9.0	18.6
7 30	18 25.49	−26 5.4	1.272	2.202	13.9	18.8
8 9	18 19.81	−25 54.3	1.314	2.175	18.2	19.0

95219 Borgman 7 3.7 190°.08 7°.9/ 7.2 18

5 31	19 13.17	+ 4 40.8	2.577	3.346	12.9	20.6
6 10	19 8.30	+ 4 54.8	2.500	3.346	11.1	20.5
6 20	19 2.00	+ 4 51.5	2.444	3.345	9.4	20.4
6 30	18 54.77	+ 4 29.1	2.412	3.344	8.2	20.3
7 10	18 47.26	+ 3 47.7	2.405	3.343	8.0	20.3
7 20	18 40.10	+ 2 49.1	2.424	3.341	8.8	20.3
7 30	18 33.96	+ 1 36.3	2.468	3.340	10.4	20.4
8 9	18 29.32	+ 0 14.0	2.535	3.338	12.2	20.6

429390 2010 PF_{70} 7 3.7 271°.65 0°.2/ 3.7 18

5 31	19 20.06	−21 21.5	1.648	2.519	14.6	21.8
6 10	19 14.63	−21 52.6	1.552	2.495	11.0	21.5
6 20	19 6.43	−22 30.2	1.478	2.470	6.7	21.2
6 30	18 56.13	−23 11.1	1.429	2.444	1.9	20.8
7 10	18 44.84	−23 51.3	1.407	2.418	3.2	20.9
7 20	18 33.89	−24 27.5	1.410	2.391	8.3	21.1
7 30	18 24.65	−24 57.8	1.438	2.364	13.0	21.3
8 9	18 18.18	−25 22.2	1.487	2.337	17.1	21.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
218588 2005 LF_{30}			7 3.7 295.°10		0.°7/ 3.9 17	
	h m	° ′			°	m
5 31	19 17.52	−20 26.4	1.496	2.375	15.4	20.7
6 10	19 12.85	−20 36.4	1.406	2.352	11.6	20.4
6 20	19 5.39	−20 52.6	1.336	2.329	7.1	20.1
6 30	18 55.83	−21 12.7	1.291	2.305	2.1	19.7
7 10	18 45.36	−21 34.1	1.270	2.282	3.3	19.7
7 20	18 35.35	−21 54.4	1.275	2.259	8.6	20.0
7 30	18 27.18	−22 12.4	1.302	2.236	13.4	20.2
8 9	18 21.89	−22 27.9	1.350	2.213	17.7	20.4
479961 2014 JM_{10}			7 3.7 249.°78		3.°8/ 2.3 18	
5 31	19 17.73	−31 50.9	2.332	3.193	11.3	21.2
6 10	19 12.18	−32 49.7	2.253	3.186	8.6	21.0
6 20	19 4.58	−33 46.2	2.197	3.178	5.8	20.8
6 30	18 55.53	−34 35.9	2.169	3.170	3.9	20.6
7 10	18 45.94	−35 15.1	2.168	3.162	4.7	20.7
7 20	18 36.78	−35 41.5	2.195	3.154	7.3	20.8
7 30	18 29.00	−35 55.3	2.247	3.146	10.2	21.0
8 9	18 23.33	−35 58.1	2.321	3.137	12.8	21.2
385104 2012 VL_{80}			7 3.7 314.°23		4.°8/ 5.1 16	R
5 31	19 14.43	− 9 38.9	1.763	2.616	14.6	20.7
6 10	19 9.91	− 9 37.9	1.685	2.609	11.5	20.5
6 20	19 3.27	− 9 50.6	1.628	2.601	8.1	20.3
6 30	18 55.18	−10 17.6	1.595	2.594	5.3	20.1
7 10	18 46.58	−10 57.3	1.587	2.587	5.3	20.1
7 20	18 38.47	−11 47.3	1.606	2.580	8.1	20.3
7 30	18 31.83	−12 44.0	1.649	2.574	11.7	20.4
8 9	18 27.40	−13 43.8	1.713	2.567	14.9	20.6
23809 Haswell			7 3.7 34.°76		5.°8/ 2.9 18	
5 31	19 21.17	−33 49.2	1.297	2.181	17.0	17.8
6 10	19 15.76	−34 34.7	1.244	2.188	13.0	17.5
6 20	19 7.08	−35 12.4	1.211	2.195	8.9	17.3
6 30	18 56.24	−35 35.3	1.201	2.203	6.0	17.2
7 10	18 44.92	−35 38.8	1.215	2.212	6.9	17.3
7 20	18 34.83	−35 22.7	1.251	2.221	10.5	17.5
7 30	18 27.41	−34 50.6	1.310	2.230	14.4	17.7
8 9	18 23.47	−34 8.0	1.387	2.240	17.9	18.0
245609 2005 WF_{39}			7 3.7 302.°75		1.°5/ 3.3 18	
5 31	19 15.32	−25 28.2	2.082	2.953	12.0	20.4
6 10	19 10.50	−26 0.7	1.996	2.939	8.9	20.1
6 20	19 3.61	−26 34.8	1.934	2.925	5.4	19.9
6 30	18 55.28	−27 7.2	1.897	2.910	2.0	19.6
7 10	18 46.41	−27 35.1	1.888	2.897	3.1	19.7
7 20	18 37.96	−27 56.5	1.905	2.883	6.8	19.9
7 30	18 30.90	−28 10.7	1.948	2.869	10.4	20.1
8 9	18 25.97	−28 18.5	2.013	2.856	13.5	20.3
355240 2007 DA_{2}			7 3.7 113.°29		2.°0/ 4.3 18	
5 31	19 14.66	−15 46.7	2.647	3.495	10.5	21.7
6 10	19 9.29	−15 43.6	2.582	3.510	7.9	21.5
6 20	19 2.53	−15 45.7	2.542	3.524	5.0	21.4
6 30	18 54.92	−15 52.4	2.529	3.538	2.4	21.2
7 10	18 47.13	−16 2.9	2.545	3.551	2.7	21.3
7 20	18 39.80	−16 16.3	2.589	3.564	5.3	21.5
7 30	18 33.57	−16 31.6	2.660	3.577	8.1	21.7
8 9	18 28.89	−16 48.1	2.755	3.590	10.5	21.8
479740 2014 EG_{4}			7 3.7 342.°36		5.°0/ 5.1 16	
5 31	19 13.22	− 9 18.9	1.745	2.600	14.7	20.1
6 10	19 9.00	− 9 13.6	1.670	2.594	11.6	19.9
6 20	19 2.72	− 9 22.2	1.616	2.589	8.2	19.7
6 30	18 55.03	− 9 45.2	1.586	2.584	5.5	19.5
7 10	18 46.88	−10 21.7	1.581	2.580	5.5	19.5
7 20	18 39.24	−11 9.0	1.602	2.576	8.2	19.6
7 30	18 33.08	−12 3.7	1.647	2.572	11.6	19.8
8 9	18 29.09	−13 2.1	1.713	2.570	14.8	20.0
78408 2002 QV_{18}			7 3.7 245.°66		2.°4/ 3.2 18	
5 31	19 18.33	−28 24.3	2.027	2.895	12.4	19.9
6 10	19 12.71	−28 49.4	1.949	2.889	9.3	19.7
6 20	19 4.91	−29 12.9	1.895	2.883	5.8	19.4
6 30	18 55.64	−29 31.3	1.866	2.877	2.7	19.2
7 10	18 45.88	−29 42.0	1.865	2.871	3.6	19.3
7 20	18 36.71	−29 43.8	1.890	2.864	7.1	19.5
7 30	18 29.12	−29 37.3	1.941	2.858	10.6	19.7
8 9	18 23.83	−29 24.5	2.014	2.851	13.7	19.9
417840 2007 GJ_{74}			7 3.7 86.°44		0.°7/ 3.6 17	
5 31	19 21.75	−22 43.0	1.795	2.660	13.9	21.4
6 10	19 15.02	−23 20.0	1.749	2.689	10.2	21.2
6 20	19 6.11	−23 59.3	1.727	2.717	6.0	21.0
6 30	18 55.92	−24 37.2	1.731	2.746	1.7	20.8
7 10	18 45.54	−25 10.4	1.763	2.773	2.9	20.9
7 20	18 36.08	−25 37.2	1.821	2.800	7.0	21.3
7 30	18 28.47	−25 57.2	1.906	2.826	10.6	21.5
8 9	18 23.31	−26 11.2	2.012	2.852	13.6	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
52995 1998 UJ_{32}			7 3.7 256.°37		4.°0/ 4.2 18	
	h m	° ′			°	m
5 31	19 19.77	−15 6.9	1.446	2.315	16.4	17.7
6 10	19 14.34	−14 35.9	1.367	2.304	12.6	17.4
6 20	19 6.16	−14 12.9	1.308	2.293	8.4	17.2
6 30	18 56.04	−13 59.0	1.273	2.281	4.6	16.9
7 10	18 45.20	−13 54.3	1.263	2.269	5.1	16.9
7 20	18 35.02	−13 58.2	1.278	2.257	9.2	17.1
7 30	18 26.80	−14 9.6	1.316	2.244	13.7	17.3
8 9	18 21.43	−14 26.7	1.373	2.231	17.7	17.6
234132 2000 BL_{37}			7 3.7 233.°66		0.°6/ 3.9 17	
5 31	19 16.84	−20 7.8	2.060	2.924	12.4	21.2
6 10	19 11.48	−20 21.3	1.979	2.918	9.2	21.0
6 20	19 4.13	−20 39.3	1.922	2.911	5.6	20.8
6 30	18 55.42	−20 59.8	1.891	2.905	1.7	20.5
7 10	18 46.26	−21 20.8	1.887	2.898	2.6	20.6
7 20	18 37.59	−21 40.8	1.911	2.891	6.5	20.8
7 30	18 30.31	−21 58.8	1.960	2.884	10.1	21.0
8 9	18 25.13	−22 14.5	2.032	2.877	13.3	21.2
13381 1998 WJ_{17}			7 3.7 337.°93		1.°4/ 4.1 18	
5 31	19 11.29	−18 33.7	2.413	3.277	10.8	17.6
6 10	19 7.14	−18 24.9	2.327	3.265	8.1	17.4
6 20	19 1.41	−18 20.0	2.266	3.254	5.0	17.2
6 30	18 54.66	−18 18.3	2.231	3.243	2.0	16.9
7 10	18 47.56	−18 19.4	2.223	3.233	2.5	17.0
7 20	18 40.85	−18 22.5	2.242	3.223	5.7	17.2
7 30	18 35.23	−18 27.1	2.288	3.213	8.8	17.3
8 9	18 31.26	−18 32.8	2.356	3.205	11.6	17.5
306411 1997 FY_{4}			7 3.7 188.°92		0.°4/ 3.9 18	
5 31	19 15.07	−19 25.5	2.583	3.439	10.5	20.8
6 10	19 9.81	−19 55.5	2.504	3.438	7.8	20.6
6 20	19 2.97	−20 30.0	2.449	3.437	4.7	20.4
6 30	18 55.08	−21 7.0	2.422	3.436	1.4	20.2
7 10	18 46.85	−21 44.5	2.424	3.435	2.1	20.2
7 20	18 38.99	−22 20.4	2.454	3.433	5.4	20.5
7 30	18 32.22	−22 53.6	2.512	3.431	8.4	20.7
8 9	18 27.10	−23 23.4	2.593	3.429	11.0	20.8
226347 2003 FE_{132}			7 3.7 22.°29		2.°3/ 3.2 17	
5 31	19 18.33	−26 12.8	1.559	2.439	14.8	20.2
6 10	19 13.16	−26 52.5	1.494	2.441	11.0	20.0
6 20	19 5.37	−27 33.2	1.451	2.443	6.7	19.8
6 30	18 55.80	−28 10.3	1.433	2.445	2.7	19.5
7 10	18 45.70	−28 39.6	1.440	2.448	4.0	19.6
7 20	18 36.38	−28 58.8	1.472	2.450	8.3	19.9
7 30	18 29.06	−29 8.2	1.528	2.453	12.4	20.1
8 9	18 24.54	−29 9.3	1.604	2.457	15.9	20.3
437502 2013 YV_{76}			7 3.7 118.°65		1.°2/ 3.3 18	
5 31	19 18.41	−23 11.0	1.964	2.830	12.8	20.7
6 10	19 12.73	−24 6.8	1.897	2.837	9.4	20.5
6 20	19 4.91	−25 6.2	1.853	2.844	5.7	20.3
6 30	18 55.65	−26 5.2	1.837	2.851	1.9	20.0
7 10	18 45.94	−26 59.5	1.848	2.857	3.1	20.1
7 20	18 36.81	−27 46.1	1.886	2.863	6.9	20.4
7 30	18 29.24	−28 23.7	1.951	2.869	10.5	20.6
8 9	18 23.94	−28 52.8	2.038	2.875	13.5	20.8
74397 1998 XS_{71}			7 3.7 220.°02		2.°8/ 2.9 18	
5 31	19 19.48	−31 13.9	2.681	3.533	10.2	21.3
6 10	19 13.17	−31 40.7	2.593	3.522	7.7	21.2
6 20	19 5.04	−32 4.4	2.529	3.511	5.0	21.0
6 30	18 55.68	−32 21.8	2.493	3.499	2.9	20.8
7 10	18 45.89	−32 30.6	2.486	3.486	3.6	20.8
7 20	18 36.52	−32 30.1	2.508	3.473	6.2	21.0
7 30	18 28.40	−32 20.8	2.557	3.459	9.0	21.1
8 9	18 22.14	−32 4.5	2.629	3.444	11.5	21.3
521404 2015 ML_{144}			7 3.7 359.°94		9.°9/ 5.4 18	
5 31	19 12.09	+ 2 6.6	1.928	2.733	15.4	20.4
6 10	19 7.92	+ 3 17.9	1.862	2.732	13.3	20.2
6 20	19 1.95	+ 4 11.1	1.816	2.731	11.4	20.1
6 30	18 54.82	+ 4 42.1	1.792	2.731	10.1	20.0
7 10	18 47.35	+ 4 49.0	1.792	2.731	10.1	20.0
7 20	18 40.37	+ 4 32.3	1.814	2.732	11.2	20.1
7 30	18 34.70	+ 3 54.7	1.858	2.733	13.1	20.2
8 9	18 30.95	+ 3 1.1	1.923	2.735	15.2	20.3
441432 2008 GG_{139}			7 3.7 24.°49		5.°0/ 5.3 18	
5 31	19 13.15	− 7 14.9	2.229	3.064	12.6	21.2
6 10	19 8.50	− 7 3.3	2.156	3.065	10.1	21.1
6 20	19 2.22	− 7 3.7	2.105	3.066	7.4	20.9
6 30	18 54.89	− 7 16.8	2.079	3.067	5.4	20.8
7 10	18 47.24	− 7 42.2	2.079	3.068	5.3	20.8
7 20	18 40.04	− 8 18.0	2.106	3.070	7.3	20.9
7 30	18 34.02	− 9 1.8	2.159	3.071	9.9	21.1
8 9	18 29.71	− 9 50.8	2.234	3.073	12.5	21.2

173418 2000 ER_{200} 7 3.7 219°.64 13°.6/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 39.62	−50 51.7	1.363	2.189	19.6	19.6
6 10	19 30.87	−52 5.0	1.299	2.183	17.1	19.4
6 20	19 16.85	−52 55.0	1.254	2.176	14.9	19.2
6 30	18 59.08	−53 7.4	1.229	2.168	13.7	19.1
7 10	18 40.35	−52 33.8	1.225	2.160	14.1	19.1
7 20	18 23.70	−51 15.7	1.242	2.151	16.0	19.2
7 30	18 11.47	−49 23.5	1.280	2.141	18.7	19.3
8 9	18 4.66	−47 11.7	1.335	2.131	21.5	19.5

58108 1979 QE_{1} 7 3.7 345°.01 4°.4/ 4.6 18

5 31	19 9.14	−13 52.6	1.090	1.989	18.3	18.1
6 10	19 7.07	−13 42.8	1.020	1.972	14.2	17.8
6 20	19 2.08	−13 48.0	0.967	1.957	9.5	17.5
6 30	18 54.96	−14 9.1	0.935	1.944	5.2	17.2
7 10	18 47.05	−14 44.6	0.923	1.932	5.5	17.2
7 20	18 39.82	−15 31.1	0.934	1.922	10.1	17.4
7 30	18 34.73	−16 24.2	0.964	1.915	15.1	17.7
8 9	18 32.82	−17 19.0	1.012	1.909	19.6	17.9

324420 2006 SD_{315} 7 3.7 237°.47 4°.5/ 2.7 18

5 31	19 22.20	−31 51.9	1.699	2.568	14.4	20.9
6 10	19 16.15	−32 41.1	1.622	2.560	11.0	20.7
6 20	19 7.26	−33 26.9	1.568	2.551	7.4	20.4
6 30	18 56.36	−34 3.2	1.538	2.542	4.7	20.3
7 10	18 44.74	−34 25.2	1.535	2.533	5.6	20.3
7 20	18 33.81	−34 30.9	1.557	2.523	9.1	20.5
7 30	18 24.91	−34 21.7	1.603	2.513	12.9	20.7
8 9	18 18.98	−34 1.2	1.670	2.503	16.2	20.9

500072 2011 WN_{25} 7 3.7 44°.49 4°.9/ 2.6 17

5 31	19 20.79	−28 53.2	1.117	2.012	18.3	20.6
6 10	19 15.79	−30 10.7	1.070	2.023	13.7	20.4
6 20	19 7.26	−31 27.4	1.043	2.034	8.8	20.1
6 30	18 56.35	−32 34.0	1.038	2.046	5.1	20.0
7 10	18 44.86	−33 23.0	1.055	2.058	6.5	20.1
7 20	18 34.63	−33 51.1	1.096	2.071	10.9	20.4
7 30	18 27.24	−33 59.9	1.157	2.084	15.3	20.7
8 9	18 23.60	−33 53.8	1.236	2.097	19.1	20.9

259302 2003 EH_{58} 7 3.7 149°.47 2°.8/ 4.7 18

5 31	19 18.50	−12 52.7	2.059	2.906	13.1	20.8
6 10	19 12.55	−13 14.3	1.990	2.914	10.0	20.6
6 20	19 4.69	−13 45.9	1.943	2.923	6.5	20.4
6 30	18 55.58	−14 26.3	1.923	2.930	3.4	20.2
7 10	18 46.11	−15 13.0	1.931	2.937	3.5	20.2
7 20	18 37.20	−16 3.3	1.967	2.943	6.7	20.4
7 30	18 29.69	−16 54.4	2.029	2.949	10.1	20.6
8 9	18 24.22	−17 44.4	2.114	2.954	13.0	20.8

236395 2006 DE_{39} 7 3.7 282°.83 8°.2/ 2.1 18

5 31	19 24.04	−42 48.7	1.818	2.666	14.5	20.3
6 10	19 17.59	−43 46.6	1.754	2.664	11.9	20.2
6 20	19 8.11	−44 31.7	1.711	2.662	9.6	20.0
6 30	18 56.59	−44 56.8	1.691	2.661	8.3	19.9
7 10	18 44.49	−44 57.3	1.697	2.659	8.8	20.0
7 20	18 33.37	−44 33.0	1.726	2.657	10.9	20.1
7 30	18 24.60	−43 47.9	1.778	2.656	13.5	20.3
8 9	18 19.05	−42 48.0	1.850	2.654	16.0	20.4

268428 2005 UU_{508} 7 3.7 87°.88 1°.6/ 3.4 17

5 31	19 19.48	−25 24.3	1.666	2.541	14.3	21.2
6 10	19 13.77	−25 53.3	1.605	2.549	10.6	21.0
6 20	19 5.61	−26 23.1	1.566	2.557	6.4	20.8
6 30	18 55.86	−26 49.8	1.552	2.565	2.3	20.6
7 10	18 45.71	−27 10.3	1.564	2.573	3.5	20.7
7 20	18 36.37	−27 23.0	1.602	2.581	7.7	20.9
7 30	18 28.94	−27 28.0	1.665	2.589	11.6	21.2
8 9	18 24.15	−27 27.0	1.749	2.597	15.0	21.4

213739 2002 WR_{6} 7 3.7 17°.38 3°.5/ 2.9 17

5 31	19 18.28	−30 54.6	1.958	2.826	12.8	20.0
6 10	19 12.77	−31 33.7	1.888	2.827	9.6	19.8
6 20	19 4.99	−32 9.7	1.842	2.827	6.3	19.6
6 30	18 55.70	−32 38.1	1.822	2.828	3.7	19.4
7 10	18 45.96	−32 55.7	1.828	2.828	4.6	19.5
7 20	18 36.88	−33 1.2	1.860	2.829	7.7	19.7
7 30	18 29.48	−32 55.6	1.918	2.830	11.0	19.9
8 9	18 24.51	−32 41.2	1.996	2.830	13.9	20.1

508051 2015 BK_{536} 7 3.7 188°.71 0°.8/ 3.9 17

5 31	19 18.75	−18 56.1	1.879	2.742	13.5	21.4
6 10	19 13.04	−19 23.0	1.804	2.742	10.0	21.2
6 20	19 5.14	−19 56.4	1.752	2.741	6.1	21.0
6 30	18 55.75	−20 33.7	1.726	2.740	1.9	20.7
7 10	18 45.86	−21 12.1	1.727	2.738	2.8	20.8
7 20	18 36.53	−21 49.0	1.755	2.736	7.0	21.0
7 30	18 28.78	−22 22.6	1.809	2.734	10.8	21.3
8 9	18 23.32	−22 52.4	1.886	2.731	14.2	21.5

43480 2001 BO_{15} 7 3.7 90°.90 0°.5/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 14.98	−20 35.5	2.387	3.248	11.0	19.5
6 10	19 9.75	−20 45.0	2.320	3.258	8.1	19.4
6 20	19 2.92	−20 57.6	2.278	3.268	4.9	19.2
6 30	18 55.09	−21 11.7	2.263	3.277	1.5	18.9
7 10	18 47.01	−21 25.9	2.276	3.287	2.2	19.0
7 20	18 39.45	−21 39.1	2.317	3.297	5.6	19.3
7 30	18 33.12	−21 50.8	2.384	3.307	8.7	19.5
8 9	18 28.54	−22 0.8	2.475	3.316	11.3	19.7

160934 2001 YA_{63} 7 3.7 245°.19 1°.4/ 3.6 17

5 31	19 22.42	−25 52.6	1.535	2.410	15.3	19.8
6 10	19 16.37	−25 58.8	1.455	2.399	11.5	19.5
6 20	19 7.42	−26 4.4	1.396	2.387	7.0	19.2
6 30	18 56.43	−26 6.0	1.361	2.375	2.3	18.9
7 10	18 44.71	−26 0.9	1.353	2.363	3.6	19.0
7 20	18 33.74	−25 48.5	1.370	2.351	8.5	19.2
7 30	18 24.85	−25 30.0	1.411	2.338	13.1	19.5
8 9	18 18.99	−25 8.2	1.472	2.324	17.1	19.7

147727 2005 MA_{32} 7 3.7 272°.32 3°.4/ 3.3 18

5 31	19 21.72	−30 44.9	1.665	2.536	14.5	19.5
6 10	19 15.83	−31 2.9	1.579	2.519	11.0	19.3
6 20	19 7.10	−31 16.5	1.515	2.502	7.1	19.0
6 30	18 56.35	−31 21.1	1.476	2.484	3.8	18.8
7 10	18 44.84	−31 13.4	1.462	2.467	4.8	18.8
7 20	18 34.00	−30 52.8	1.475	2.449	8.7	19.0
7 30	18 25.18	−30 21.3	1.511	2.431	12.9	19.2
8 9	18 19.30	−29 42.7	1.568	2.412	16.6	19.4

210311 2007 TS_{156} 7 3.8 263°.72 0°.2/ 3.7 18

5 31	19 17.24	−23 2.9	1.995	2.863	12.6	20.4
6 10	19 11.89	−23 9.1	1.913	2.854	9.4	20.2
6 20	19 4.44	−23 17.1	1.854	2.845	5.6	20.0
6 30	18 55.57	−23 24.7	1.822	2.836	1.6	19.7
7 10	18 46.24	−23 30.4	1.816	2.827	2.6	19.7
7 20	18 37.43	−23 33.1	1.838	2.818	6.7	20.0
7 30	18 30.11	−23 32.8	1.885	2.809	10.4	20.2
8 9	18 24.98	−23 30.2	1.954	2.800	13.7	20.4

80589 2000 AL_{135} 7 3.8 82°.19 1°.0/ 3.7 18

5 31	19 20.94	−25 46.1	1.522	2.400	15.3	19.5
6 10	19 15.03	−25 42.2	1.457	2.402	11.4	19.2
6 20	19 6.45	−25 37.1	1.412	2.405	6.8	19.0
6 30	18 56.13	−25 28.2	1.393	2.407	2.1	18.7
7 10	18 45.38	−25 13.8	1.399	2.410	3.4	18.8
7 20	18 35.55	−24 54.1	1.430	2.412	8.1	19.1
7 30	18 27.84	−24 30.8	1.486	2.415	12.4	19.3
8 9	18 23.00	−24 5.9	1.562	2.417	16.1	19.6

519688 2013 AB_{186} 7 3.8 283°.96 1°.8/ 3.9 18

5 31	19 16.85	−19 17.4	2.001	2.865	12.7	21.4
6 10	19 11.54	−18 51.3	1.916	2.853	9.6	21.2
6 20	19 4.21	−18 27.8	1.854	2.841	6.0	21.0
6 30	18 55.52	−18 7.0	1.818	2.830	2.4	20.7
7 10	18 46.39	−17 48.7	1.809	2.818	3.1	20.7
7 20	18 37.77	−17 33.0	1.827	2.806	6.8	21.0
7 30	18 30.59	−17 20.4	1.870	2.795	10.5	21.2
8 9	18 25.52	−17 10.7	1.936	2.783	13.8	21.3

519717 2013 BA_{84} 7 3.8 79°.24 0°.3/ 3.9 16

5 31	19 15.76	−21 9.9	2.183	3.048	11.8	21.6
6 10	19 10.48	−21 19.1	2.118	3.057	8.7	21.5
6 20	19 3.43	−21 31.1	2.077	3.067	5.2	21.3
6 30	18 55.27	−21 44.4	2.063	3.077	1.5	21.0
7 10	18 46.85	−21 57.3	2.076	3.087	2.3	21.1
7 20	18 39.01	−22 8.8	2.116	3.097	6.0	21.4
7 30	18 32.53	−22 18.4	2.183	3.107	9.3	21.6
8 9	18 27.98	−22 26.0	2.272	3.116	12.1	21.8

11787 Baumanka 7 3.8 316°.19 9°.4/ 1.9 18

5 31	19 22.41	−43 9.8	1.562	2.420	16.0	16.3
6 10	19 17.04	−44 8.0	1.485	2.402	13.3	16.0
6 20	19 8.15	−44 52.8	1.429	2.384	10.8	15.8
6 30	18 56.73	−45 15.2	1.396	2.367	9.4	15.7
7 10	18 44.40	−45 9.3	1.385	2.351	10.1	15.7
7 20	18 33.03	−44 34.1	1.397	2.335	12.4	15.8
7 30	18 24.28	−43 33.8	1.430	2.319	15.5	16.0
8 9	18 19.22	−42 16.4	1.482	2.304	18.5	16.1

115580 2003 UX_{90} 7 3.8 230°.80 2°.3/ 4.3 18

5 31	19 16.45	−15 46.5	2.088	2.944	12.6	20.1
6 10	19 11.17	−15 48.8	2.006	2.937	9.5	19.9
6 20	19 3.97	−15 58.3	1.947	2.931	6.1	19.7
6 30	18 55.47	−16 14.1	1.914	2.923	2.9	19.4
7 10	18 46.53	−16 34.8	1.908	2.916	3.2	19.4
7 20	18 38.05	−16 58.9	1.930	2.908	6.6	19.6
7 30	18 30.89	−17 25.0	1.977	2.900	10.1	19.8
8 9	18 25.72	−17 51.7	2.048	2.892	13.2	20.0

264939 2002 VV_{88} 7 3.8 249°.38 1°.0/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 20.81	−24 53.1	1.847	2.714	13.5	21.6
6 10	19 14.84	−25 5.2	1.757	2.698	10.1	21.3
6 20	19 6.39	−25 17.9	1.691	2.681	6.1	21.1
6 30	18 56.20	−25 28.5	1.650	2.664	1.9	20.7
7 10	18 45.32	−25 34.3	1.637	2.647	3.1	20.8
7 20	18 34.96	−25 34.3	1.650	2.629	7.5	21.0
7 30	18 26.28	−25 28.7	1.688	2.610	11.6	21.2
8 9	18 20.13	−25 19.0	1.748	2.592	15.2	21.4

174578 2003 PQ_5 7 3.8 316°.14 4°.0/ 4.2 18

5 31	19 15.00	−15 54.1	1.171	2.061	18.0	19.3
6 10	19 11.49	−15 26.0	1.088	2.038	13.9	19.0
6 20	19 4.86	−15 7.1	1.025	2.015	9.2	18.7
6 30	18 55.85	−14 58.8	0.982	1.992	4.8	18.4
7 10	18 45.82	−15 1.0	0.962	1.970	5.4	18.3
7 20	18 36.34	−15 12.9	0.964	1.949	10.4	18.5
7 30	18 29.01	−15 32.8	0.986	1.929	15.7	18.8
8 9	18 24.99	−15 58.4	1.026	1.910	20.4	19.0

67278 2000 FF_{44} 7 3.8 15°.66 1°.7/ 4.2 18

5 31	19 17.53	−17 22.5	1.136	2.027	18.4	18.9
6 10	19 13.17	−17 47.1	1.077	2.028	13.8	18.6
6 20	19 5.68	−18 23.9	1.037	2.030	8.5	18.3
6 30	18 56.02	−19 9.8	1.019	2.033	3.0	18.0
7 10	18 45.70	−20 0.3	1.024	2.036	3.9	18.1
7 20	18 36.33	−20 50.6	1.052	2.040	9.4	18.4
7 30	18 29.36	−21 37.4	1.102	2.044	14.5	18.7
8 9	18 25.72	−22 18.7	1.170	2.048	18.8	19.0

514215 2015 OE_6 7 3.8 230°.41 2°.8/ 4.3 18

5 31	19 15.16	−14 38.0	2.441	3.290	11.2	21.4
6 10	19 9.93	−14 14.5	2.358	3.284	8.6	21.2
6 20	19 3.10	−13 56.4	2.298	3.277	5.7	21.0
6 30	18 55.24	−13 44.1	2.266	3.271	3.2	20.9
7 10	18 47.05	−13 37.6	2.261	3.264	3.5	20.9
7 20	18 39.27	−13 36.5	2.284	3.258	6.2	21.0
7 30	18 32.63	−13 40.2	2.334	3.251	9.1	21.2
8 9	18 27.66	−13 47.9	2.407	3.243	11.8	21.4

330534 2007 XR_{32} 7 3.8 130°.08 0°.8/ 3.6 17

5 31	19 21.67	−23 13.9	1.791	2.657	13.9	22.1
6 10	19 15.23	−23 46.8	1.730	2.669	10.2	21.9
6 20	19 6.46	−24 22.2	1.691	2.682	6.1	21.7
6 30	18 56.19	−24 56.6	1.679	2.694	1.8	21.4
7 10	18 45.55	−25 26.5	1.694	2.705	3.0	21.5
7 20	18 35.68	−25 50.0	1.737	2.715	7.2	21.8
7 30	18 27.63	−26 6.8	1.804	2.726	11.0	22.0
8 9	18 22.10	−26 17.7	1.894	2.735	14.3	22.3

431466 2007 RY_{297} 7 3.8 318°.39 1°.9/ 4.3 18

5 31	19 14.06	−16 26.2	1.482	2.362	15.5	20.0
6 10	19 10.37	−16 52.3	1.389	2.334	11.8	19.7
6 20	19 4.02	−17 30.9	1.316	2.306	7.5	19.4
6 30	18 55.64	−18 20.5	1.266	2.279	2.9	19.0
7 10	18 46.29	−19 17.5	1.241	2.252	3.6	19.0
7 20	18 37.26	−20 17.8	1.241	2.226	8.5	19.2
7 30	18 29.91	−21 17.6	1.263	2.201	13.4	19.4
8 9	18 25.30	−22 13.8	1.306	2.177	17.7	19.6

49070 1998 RV_{54} 7 3.8 209°.21 2°.3/ 3.5 18

5 31	19 22.02	−28 37.4	1.748	2.617	14.0	19.5
6 10	19 15.73	−28 48.3	1.674	2.614	10.5	19.3
6 20	19 6.90	−28 56.3	1.622	2.611	6.5	19.0
6 30	18 56.35	−28 57.6	1.595	2.607	2.8	18.8
7 10	18 45.30	−28 49.9	1.596	2.603	3.8	18.8
7 20	18 35.03	−28 32.9	1.622	2.599	7.8	19.1
7 30	18 26.70	−28 8.4	1.673	2.594	11.8	19.3
8 9	18 21.07	−27 39.3	1.746	2.589	15.2	19.5

467736 2009 RQ 7 3.8 334°.78 5°.2/ 4.5 17

5 31	19 11.70	−13 36.0	1.116	2.010	18.4	20.3
6 10	19 9.01	−13 4.9	1.041	1.990	14.4	20.0
6 20	19 3.34	−12 46.4	0.984	1.972	9.9	19.7
6 30	18 55.45	−12 42.9	0.948	1.955	5.9	19.4
7 10	18 46.68	−12 54.6	0.933	1.940	6.2	19.4
7 20	18 38.56	−13 20.1	0.940	1.925	10.6	19.6
7 30	18 32.59	−13 56.1	0.966	1.913	15.5	19.8
8 9	18 29.82	−14 38.7	1.010	1.902	20.1	20.0

93312 2000 SV_{215} 7 3.8 144°.54 1°.1/ 3.6 18

5 31	19 19.55	−24 57.0	1.873	2.741	13.3	20.1
6 10	19 13.66	−25 15.3	1.805	2.746	9.8	19.9
6 20	19 5.54	−25 34.2	1.760	2.750	5.9	19.7
6 30	18 55.96	−25 50.8	1.740	2.754	1.9	19.4
7 10	18 45.99	−26 2.5	1.748	2.758	3.0	19.5
7 20	18 36.71	−26 8.4	1.783	2.762	7.0	19.8
7 30	18 29.13	−26 8.6	1.843	2.765	10.8	20.0
8 9	18 23.95	−26 4.5	1.924	2.768	14.0	20.2

349128 2007 HF_{71} 7 3.8 66°.98 2°.1/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 17.61	−16 14.5	1.600	2.469	15.1	20.3
6 10	19 12.34	−16 28.6	1.541	2.480	11.3	20.1
6 20	19 4.79	−16 51.7	1.504	2.492	7.1	19.9
6 30	18 55.75	−17 22.1	1.492	2.504	3.0	19.7
7 10	18 46.36	−17 57.1	1.506	2.516	3.4	19.7
7 20	18 37.74	−18 34.0	1.545	2.527	7.5	20.0
7 30	18 30.91	−19 10.5	1.609	2.539	11.5	20.3
8 9	18 26.57	−19 45.1	1.694	2.551	14.9	20.5

310689 2002 GF_{114} 7 3.8 35°.42 8°.4/ 2.2 17

5 31	19 21.05	−35 16.1	1.023	1.920	19.4	19.8
6 10	19 16.36	−36 49.6	0.988	1.936	15.1	19.6
6 20	19 7.77	−38 12.7	0.972	1.953	11.0	19.5
6 30	18 56.63	−39 14.0	0.976	1.972	8.5	19.4
7 10	18 45.02	−39 46.2	1.002	1.991	9.5	19.5
7 20	18 35.03	−39 48.5	1.049	2.012	12.8	19.8
7 30	18 28.30	−39 26.2	1.115	2.033	16.6	20.1
8 9	18 25.64	−38 47.1	1.198	2.054	19.9	20.4

292562 2006 TF_{71} 7 3.8 227°.19 0°.4/ 3.7 17

5 31	19 20.96	−23 20.8	1.884	2.748	13.4	21.8
6 10	19 14.84	−23 29.9	1.799	2.739	10.0	21.6
6 20	19 6.35	−23 40.6	1.738	2.728	6.0	21.4
6 30	18 56.23	−23 50.6	1.702	2.717	1.7	21.0
7 10	18 45.53	−23 57.5	1.694	2.705	2.8	21.1
7 20	18 35.38	−24 0.4	1.713	2.693	7.2	21.3
7 30	18 26.87	−23 59.3	1.758	2.680	11.2	21.6
8 9	18 20.81	−23 55.2	1.824	2.666	14.7	21.8

343395 2010 CR_{163} 7 3.8 269°.38 3°.2/ 3.2 16

5 31	19 19.45	−30 23.4	1.863	2.732	13.3	20.7
6 10	19 13.77	−30 48.9	1.790	2.730	10.0	20.5
6 20	19 5.70	−31 10.8	1.740	2.727	6.4	20.3
6 30	18 56.04	−31 25.2	1.716	2.724	3.5	20.1
7 10	18 45.90	−31 29.3	1.718	2.721	4.3	20.1
7 20	18 36.47	−31 22.2	1.746	2.719	7.8	20.3
7 30	18 28.82	−31 5.3	1.799	2.716	11.3	20.5
8 9	18 23.70	−30 41.3	1.873	2.713	14.5	20.7

512043 2015 MS_{79} 7 3.8 37°.98 3°.6/ 5.1 17

5 31	19 14.44	−11 6.4	1.962	2.813	13.5	21.3
6 10	19 9.71	−11 21.5	1.893	2.818	10.4	21.1
6 20	19 3.12	−11 48.5	1.846	2.823	7.0	20.9
6 30	18 55.30	−12 26.6	1.825	2.828	4.1	20.7
7 10	18 47.12	−13 13.7	1.831	2.834	4.1	20.7
7 20	18 39.47	−14 6.9	1.863	2.839	7.0	20.9
7 30	18 33.18	−15 3.2	1.920	2.845	10.3	21.1
8 9	18 28.88	−15 59.5	2.001	2.851	13.3	21.4

379728 2011 GJ_{46} 7 3.8 141°.19 6°.1/ 5.6 17

5 31	19 17.10	− 5 27.6	1.954	2.783	14.4	21.4
6 10	19 11.60	− 5 12.1	1.887	2.790	11.6	21.2
6 20	19 4.21	− 5 11.3	1.841	2.797	8.7	21.1
6 30	18 55.60	− 5 26.5	1.820	2.804	6.5	20.9
7 10	18 46.66	− 5 57.0	1.825	2.810	6.4	20.9
7 20	18 38.28	− 6 40.5	1.857	2.816	8.4	21.1
7 30	18 31.31	− 7 33.8	1.913	2.822	11.2	21.3
8 9	18 26.38	− 8 33.0	1.992	2.827	13.9	21.4

255211 2005 UN_{351} 7 3.8 313°.06 3°.7/ 3.0 18

5 31	19 17.42	−32 1.9	1.992	2.861	12.6	20.3
6 10	19 12.25	−32 30.0	1.912	2.850	9.6	20.1
6 20	19 4.81	−32 53.9	1.855	2.839	6.4	19.9
6 30	18 55.81	−33 9.5	1.824	2.829	3.9	19.7
7 10	18 46.29	−33 14.1	1.818	2.818	4.7	19.8
7 20	18 37.36	−33 6.6	1.839	2.808	7.7	19.9
7 30	18 30.06	−32 48.3	1.885	2.799	11.1	20.1
8 9	18 25.15	−32 21.8	1.952	2.789	14.1	20.3

380621 2004 TU_{278} 7 3.8 246°.94 2°.1/ 3.2 18

5 31	19 19.78	−27 14.6	2.113	2.976	12.2	21.1
6 10	19 13.91	−27 49.8	2.023	2.961	9.1	20.9
6 20	19 5.81	−28 25.1	1.956	2.944	5.7	20.7
6 30	18 56.11	−28 56.9	1.916	2.927	2.5	20.4
7 10	18 45.77	−29 21.9	1.904	2.910	3.5	20.5
7 20	18 35.85	−29 38.1	1.919	2.892	7.1	20.6
7 30	18 27.39	−29 45.4	1.960	2.874	10.7	20.8
8 9	18 21.19	−29 45.2	2.023	2.855	13.8	21.0

231257 2005 YE_{196} 7 3.8 182°.62 8°.3/ 3.7 18

5 31	19 37.02	−50 17.6	2.388	3.180	13.2	21.0
6 10	19 26.49	−50 34.6	2.317	3.181	11.3	20.8
6 20	19 13.10	−50 33.2	2.267	3.181	9.5	20.7
6 30	18 58.04	−50 7.5	2.243	3.180	8.4	20.6
7 10	18 42.88	−49 15.0	2.245	3.179	8.6	20.7
7 20	18 29.14	−47 58.0	2.275	3.178	9.9	20.7
7 30	18 18.01	−46 22.1	2.330	3.176	11.9	20.9
8 9	18 10.16	−44 35.1	2.408	3.173	13.8	21.0

60057 1999 TZ_{117} 7 3.8 338.°77 7.°3/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 20.10	−41 24.6	1.888	2.742	13.8	17.8
6 10	19 14.56	−42 7.0	1.818	2.735	11.2	17.6
6 20	19 6.31	−42 37.7	1.769	2.728	8.8	17.4
6 30	18 56.24	−42 50.9	1.744	2.722	7.4	17.3
7 10	18 45.64	−42 43.0	1.744	2.715	7.9	17.3
7 20	18 35.89	−42 13.7	1.768	2.710	10.0	17.5
7 30	18 28.21	−41 26.3	1.816	2.705	12.7	17.6
8 9	18 23.41	−40 26.1	1.884	2.700	15.3	17.8

131786 2002 AH_{28} 7 3.8 163.°44 1.°9/ 3.4 17

5 31	19 23.49	−26 20.3	1.728	2.595	14.3	21.2
6 10	19 16.79	−26 48.7	1.660	2.600	10.6	20.9
6 20	19 7.53	−27 16.9	1.616	2.605	6.5	20.7
6 30	18 56.57	−27 40.7	1.597	2.609	2.5	20.5
7 10	18 45.13	−27 56.9	1.604	2.613	3.6	20.6
7 20	18 34.49	−28 4.0	1.639	2.616	7.8	20.8
7 30	18 25.82	−28 2.8	1.699	2.618	11.7	21.1
8 9	18 19.87	−27 55.4	1.780	2.620	15.1	21.3

43195 2000 AP_{13} 7 3.8 340.°78 0.°3/ 3.8 18

5 31	19 15.58	−22 29.8	2.144	3.011	11.9	18.7
6 10	19 10.49	−22 17.9	2.068	3.008	8.8	18.5
6 20	19 3.56	−22 7.1	2.015	3.005	5.3	18.2
6 30	18 55.43	−21 56.4	1.988	3.002	1.5	18.0
7 10	18 46.98	−21 45.0	1.989	3.000	2.4	18.0
7 20	18 39.08	−21 32.9	2.017	2.998	6.2	18.3
7 30	18 32.54	−21 20.3	2.070	2.996	9.6	18.5
8 9	18 27.98	−21 7.8	2.147	2.994	12.6	18.7

86211 1999 TW_{20} 7 3.8 290.°84 2.°7/ 4.4 18

5 31	19 14.37	−14 59.0	2.203	3.059	12.0	20.0
6 10	19 9.65	−14 47.7	2.111	3.041	9.2	19.8
6 20	19 3.12	−14 43.1	2.041	3.023	6.1	19.5
6 30	18 55.34	−14 44.9	1.998	3.005	3.2	19.3
7 10	18 47.09	−14 52.8	1.982	2.987	3.5	19.3
7 20	18 39.19	−15 5.9	1.992	2.970	6.6	19.5
7 30	18 32.47	−15 22.9	2.029	2.952	9.9	19.6
8 9	18 27.60	−15 42.7	2.088	2.934	13.0	19.8

510646 2012 TV_{222} 7 3.8 319.°89 1.°2/ 4.0 18

5 31	19 14.66	−19 32.8	1.402	2.288	15.8	21.2
6 10	19 10.91	−19 37.8	1.315	2.264	12.0	20.9
6 20	19 4.38	−19 49.8	1.248	2.241	7.4	20.6
6 30	18 55.79	−20 7.4	1.204	2.218	2.5	20.2
7 10	18 46.30	−20 28.3	1.184	2.196	3.5	20.2
7 20	18 37.29	−20 50.0	1.188	2.175	8.7	20.5
7 30	18 30.15	−21 11.1	1.214	2.154	13.7	20.7
8 9	18 25.92	−21 30.7	1.260	2.134	18.0	20.9

185193 2006 TW_{3} 7 3.8 234.°22 1.°4/ 3.5 18

5 31	19 21.34	−25 27.2	1.886	2.752	13.3	21.7
6 10	19 15.22	−25 50.9	1.800	2.739	10.0	21.5
6 20	19 6.66	−26 15.5	1.737	2.726	6.1	21.3
6 30	18 56.37	−26 37.5	1.699	2.713	2.1	21.0
7 10	18 45.42	−26 54.0	1.689	2.699	3.3	21.0
7 20	18 34.99	−27 3.1	1.706	2.684	7.4	21.2
7 30	18 26.23	−27 5.1	1.749	2.668	11.4	21.4
8 9	18 19.97	−27 1.3	1.813	2.653	14.9	21.6

502961 2015 EF_{71} 7 3.8 244.°56 3.°2/ 4.6 17

5 31	19 18.00	−13 55.9	1.762	2.620	14.4	21.8
6 10	19 12.70	−13 58.5	1.679	2.610	11.1	21.6
6 20	19 5.12	−14 11.4	1.618	2.600	7.3	21.4
6 30	18 55.94	−14 34.0	1.582	2.590	3.8	21.1
7 10	18 46.15	−15 4.6	1.572	2.579	4.1	21.1
7 20	18 36.85	−15 40.9	1.589	2.568	7.7	21.3
7 30	18 29.11	−16 20.5	1.631	2.557	11.7	21.5
8 9	18 23.72	−17 1.2	1.694	2.545	15.2	21.7

312202 2007 VW_{227} 7 3.8 177.°46 0.°2/ 3.9 17

5 31	19 21.02	−20 27.7	1.710	2.577	14.4	21.3
6 10	19 14.98	−20 57.1	1.639	2.579	10.7	21.1
6 20	19 6.48	−21 32.1	1.590	2.580	6.5	20.9
6 30	18 56.31	−22 9.7	1.566	2.581	1.8	20.6
7 10	18 45.59	−22 46.3	1.569	2.581	2.9	20.6
7 20	18 35.54	−23 19.4	1.600	2.581	7.5	20.9
7 30	18 27.28	−23 47.5	1.655	2.580	11.6	21.2
8 9	18 21.60	−24 10.7	1.731	2.578	15.2	21.4

443513 2014 JD_{52} 7 3.8 305.°93 3.°0/ 2.9 18

5 31	19 16.60	−29 27.8	2.083	2.952	12.1	20.6
6 10	19 11.56	−30 8.8	2.004	2.943	9.1	20.4
6 20	19 4.38	−30 48.5	1.948	2.934	5.8	20.1
6 30	18 55.72	−31 22.9	1.918	2.926	3.2	20.0
7 10	18 46.54	−31 48.6	1.914	2.917	4.1	20.0
7 20	18 37.85	−32 3.8	1.938	2.908	7.3	20.2
7 30	18 30.64	−32 8.7	1.986	2.900	10.6	20.4
8 9	18 25.66	−32 4.9	2.057	2.892	13.5	20.6

370292 2002 QZ_{126} 7 3.8 286.°11 4.°0/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 21.39	−30 26.6	1.548	2.424	15.1	21.6
6 10	19 16.04	−31 4.9	1.457	2.399	11.6	21.3
6 20	19 7.57	−31 41.4	1.386	2.374	7.6	21.0
6 30	18 56.72	−32 10.1	1.340	2.348	4.3	20.8
7 10	18 44.81	−32 25.7	1.319	2.322	5.4	20.8
7 20	18 33.40	−32 25.9	1.323	2.296	9.6	20.9
7 30	18 24.05	−32 11.5	1.350	2.270	14.1	21.1
8 9	18 17.90	−31 46.3	1.396	2.243	18.1	21.3

106607 2000 WU_{115} 7 3.8 226.°49 0.°8/ 3.7 18

5 31	19 21.90	−24 39.2	1.659	2.530	14.6	19.9
6 10	19 15.79	−24 44.1	1.580	2.523	10.9	19.7
6 20	19 7.05	−24 49.5	1.524	2.515	6.6	19.4
6 30	18 56.49	−24 52.4	1.493	2.507	2.0	19.1
7 10	18 45.32	−24 50.7	1.488	2.499	3.2	19.2
7 20	18 34.86	−24 43.5	1.509	2.490	7.9	19.4
7 30	18 26.31	−24 31.8	1.555	2.480	12.2	19.7
8 9	18 20.52	−24 17.3	1.622	2.471	15.9	19.9

51923 2001 QD_{95} 7 3.8 227.°69 0.°9/ 4.0 18

5 31	19 16.47	−19 52.7	2.130	2.992	12.1	20.0
6 10	19 11.19	−19 56.5	2.051	2.989	9.0	19.7
6 20	19 4.02	−20 4.1	1.996	2.985	5.5	19.5
6 30	18 55.60	−20 14.3	1.968	2.981	1.8	19.3
7 10	18 46.78	−20 25.5	1.967	2.978	2.5	19.3
7 20	18 38.47	−20 36.7	1.993	2.974	6.3	19.5
7 30	18 31.50	−20 47.1	2.045	2.969	9.8	19.8
8 9	18 26.53	−20 56.6	2.120	2.965	12.8	19.9

507371 2012 AL_{21} 7 3.8 159.°31 3.°8/ 3.5 18

5 31	19 22.94	−37 42.2	2.836	3.673	10.2	21.2
6 10	19 15.49	−37 36.4	2.762	3.678	7.9	21.1
6 20	19 6.34	−37 21.9	2.714	3.682	5.6	20.9
6 30	18 56.20	−36 56.4	2.692	3.686	3.9	20.8
7 10	18 45.92	−36 19.0	2.700	3.690	4.3	20.9
7 20	18 36.35	−35 30.9	2.738	3.693	6.2	21.0
7 30	18 28.24	−34 34.5	2.802	3.696	8.6	21.2
8 9	18 22.10	−33 33.1	2.891	3.699	10.8	21.3

342510 2008 UH_{186} 7 3.8 287.°09 2.°8/ 4.2 18

5 31	19 16.94	−16 18.6	1.827	2.690	13.8	21.1
6 10	19 11.74	−15 57.9	1.752	2.687	10.5	20.9
6 20	19 4.43	−15 43.4	1.700	2.685	6.7	20.7
6 30	18 55.74	−15 35.2	1.673	2.682	3.3	20.5
7 10	18 46.62	−15 32.9	1.672	2.679	3.8	20.5
7 20	18 38.10	−15 35.8	1.698	2.677	7.3	20.7
7 30	18 31.13	−15 43.1	1.748	2.674	11.1	20.9
8 9	18 26.39	−15 53.7	1.820	2.671	14.3	21.1

193553 2000 YF_{132} 7 3.8 225.°28 0.°5/ 3.7 18

5 31	19 18.19	−22 51.3	2.000	2.866	12.6	20.4
6 10	19 12.67	−23 15.1	1.921	2.861	9.4	20.2
6 20	19 5.02	−23 41.8	1.865	2.856	5.6	20.0
6 30	18 55.91	−24 8.7	1.835	2.850	1.6	19.7
7 10	18 46.31	−24 33.0	1.833	2.843	2.7	19.8
7 20	18 37.22	−24 53.1	1.857	2.837	6.7	20.0
7 30	18 29.63	−25 8.2	1.908	2.830	10.4	20.2
8 9	18 24.24	−25 18.8	1.980	2.824	13.7	20.4

5007 Keay 7 3.8 325.°89 9.°4/ 5.9 18

5 31	19 12.60	− 1 46.4	1.507	2.346	17.4	16.8
6 10	19 8.99	− 1 8.9	1.427	2.329	14.7	16.5
6 20	19 3.04	− 0 52.2	1.366	2.313	11.9	16.3
6 30	18 55.41	− 1 0.3	1.325	2.297	9.8	16.2
7 10	18 47.11	− 1 34.5	1.308	2.282	9.6	16.1
7 20	18 39.27	− 2 33.0	1.313	2.268	11.5	16.2
7 30	18 33.02	− 3 51.0	1.339	2.255	14.5	16.3
8 9	18 29.20	− 5 21.6	1.386	2.242	17.7	16.5

519165 2010 NN_{110} 7 3.8 313.°04 0.°1/ 3.8 18

5 31	19 15.96	−23 41.0	1.994	2.865	12.5	20.9
6 10	19 11.03	−23 33.4	1.909	2.852	9.3	20.7
6 20	19 4.04	−23 26.2	1.847	2.839	5.6	20.4
6 30	18 55.65	−23 18.0	1.811	2.826	1.6	20.2
7 10	18 46.80	−23 7.7	1.802	2.813	2.6	20.2
7 20	18 38.46	−22 55.1	1.819	2.801	6.7	20.4
7 30	18 31.58	−22 40.7	1.862	2.789	10.4	20.6
8 9	18 26.86	−22 25.4	1.927	2.778	13.7	20.8

24395 2000 AR_{186} 7 3.8 305.°70 7.°4/ 5.4 18

5 31	19 15.05	− 6 50.4	1.350	2.210	17.9	18.7
6 10	19 11.20	− 6 29.0	1.264	2.187	14.6	18.4
6 20	19 4.59	− 6 26.7	1.196	2.165	10.9	18.1
6 30	18 55.90	− 6 46.5	1.149	2.142	8.0	17.9
7 10	18 46.27	− 7 28.9	1.126	2.120	7.9	17.8
7 20	18 37.03	− 8 31.2	1.125	2.098	10.9	17.9
7 30	18 29.57	− 9 48.5	1.146	2.077	15.1	18.1
8 9	18 24.95	−11 14.3	1.186	2.056	19.2	18.3

339257 2004 VZ_{59} 7 3.8 265°.86 1°.2/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 19.85	−25 25.7	2.017	2.882	12.6	22.0
6 10	19 14.07	−25 40.2	1.920	2.859	9.5	21.7
6 20	19 5.99	−25 55.2	1.846	2.836	5.8	21.5
6 30	18 56.24	−26 7.8	1.799	2.812	1.9	21.2
7 10	18 45.79	−26 15.5	1.778	2.788	3.0	21.2
7 20	18 35.74	−26 17.1	1.786	2.764	7.1	21.4
7 30	18 27.17	−26 12.7	1.818	2.739	11.0	21.6
8 9	18 20.92	−26 3.8	1.873	2.713	14.5	21.7

143047 2002 VW_{131} 7 3.8 223°.09 0°.5/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.77	−21 2.3	2.123	2.987	12.1	20.8
6 10	19 11.43	−21 6.8	2.046	2.984	9.0	20.6
6 20	19 4.18	−21 14.2	1.991	2.981	5.4	20.4
6 30	18 55.68	−21 23.1	1.964	2.978	1.6	20.1
7 10	18 46.78	−21 32.1	1.963	2.975	2.5	20.2
7 20	18 38.40	−21 39.9	1.990	2.971	6.3	20.4
7 30	18 31.39	−21 46.3	2.043	2.968	9.8	20.7
8 9	18 26.40	−21 51.3	2.119	2.964	12.8	20.8

18955 2000 QY_{122} 7 3.8 3°.19 9°.3/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 13.34	+ 0 42.7	1.919	2.729	15.3	17.6
6 10	19 8.92	+ 1 43.3	1.852	2.729	13.1	17.5
6 20	19 2.68	+ 2 26.3	1.805	2.729	11.0	17.3
6 30	18 55.25	+ 2 48.0	1.781	2.729	9.5	17.3
7 10	18 47.47	+ 2 46.9	1.780	2.730	9.4	17.3
7 20	18 40.19	+ 2 23.9	1.803	2.731	10.7	17.3
7 30	18 34.24	+ 1 42.0	1.849	2.733	12.8	17.5
8 9	18 30.24	+ 0 45.8	1.915	2.735	15.0	17.6

106547 2000 WH_{69} 7 3.8 100°.86 6°.7/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 28.55	−37 52.0	1.580	2.438	15.8	19.7
6 10	19 20.80	−38 41.5	1.534	2.459	12.4	19.5
6 20	19 9.98	−39 19.4	1.509	2.479	9.0	19.4
6 30	18 57.28	−39 38.5	1.509	2.499	6.9	19.3
7 10	18 44.32	−39 35.4	1.534	2.518	7.5	19.4
7 20	18 32.72	−39 10.7	1.584	2.537	10.1	19.6
7 30	18 23.76	−38 29.2	1.658	2.555	13.3	19.8
8 9	18 18.17	−37 37.3	1.752	2.573	16.1	20.0

498420 2008 AZ_{29} 7 3.8 204°.63 2°.6/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 23.34	−29 19.6	1.653	2.523	14.7	21.7
6 10	19 16.87	−29 27.8	1.580	2.520	11.0	21.5
6 20	19 7.69	−29 32.0	1.529	2.518	6.9	21.2
6 30	18 56.69	−29 28.4	1.503	2.515	3.1	21.0
7 10	18 45.17	−29 14.5	1.504	2.511	4.1	21.1
7 20	18 34.52	−28 50.5	1.531	2.507	8.2	21.3
7 30	18 25.95	−28 18.5	1.582	2.503	12.3	21.5
8 9	18 20.27	−27 42.2	1.654	2.499	15.8	21.7

440344 2004 TG_{226} 7 3.8 304°.89 4°.5/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 17.56	−34 19.0	2.187	3.050	11.9	21.0
6 10	19 12.28	−35 2.8	2.109	3.041	9.2	20.8
6 20	19 4.82	−35 41.8	2.055	3.032	6.4	20.7
6 30	18 55.89	−36 11.5	2.026	3.023	4.6	20.5
7 10	18 46.43	−36 28.5	2.024	3.015	5.3	20.6
7 20	18 37.51	−36 31.7	2.048	3.006	7.8	20.7
7 30	18 30.12	−36 21.8	2.097	2.998	10.7	20.9
8 9	18 24.99	−36 1.7	2.167	2.990	13.4	21.0

68516 2001 UD_{188} 7 3.8 233°.11 2°.3/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.15	−14 51.6	2.275	3.128	11.8	20.5
6 10	19 10.12	−14 59.7	2.193	3.122	9.0	20.3
6 20	19 3.37	−15 15.2	2.135	3.117	5.8	20.1
6 30	18 55.46	−15 37.5	2.103	3.112	2.9	19.9
7 10	18 47.15	−16 4.9	2.099	3.106	3.1	19.9
7 20	18 39.25	−16 35.9	2.122	3.100	6.2	20.1
7 30	18 32.54	−17 8.6	2.172	3.095	9.4	20.3
8 9	18 27.63	−17 41.7	2.245	3.089	12.3	20.4

469060 2015 AO_{279} 7 3.8 236°.43 2°.2/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 18.54	−15 38.7	1.748	2.610	14.4	21.6
6 10	19 13.16	−15 55.6	1.667	2.602	10.9	21.4
6 20	19 5.44	−16 22.1	1.608	2.593	6.9	21.1
6 30	18 56.09	−16 56.9	1.574	2.585	3.0	20.9
7 10	18 46.11	−17 37.2	1.566	2.576	3.4	20.9
7 20	18 36.64	−18 20.3	1.585	2.566	7.5	21.1
7 30	18 28.76	−19 3.7	1.629	2.557	11.6	21.3
8 9	18 23.29	−19 45.4	1.695	2.547	15.2	21.5

198367 2004 VP_{18} 7 3.8 218°.56 0°.0/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 18.49	−22 10.9	1.909	2.776	13.1	20.9
6 10	19 12.91	−22 16.8	1.833	2.773	9.7	20.7
6 20	19 5.18	−22 25.2	1.779	2.770	5.9	20.4
6 30	18 55.99	−22 34.1	1.752	2.766	1.7	20.1
7 10	18 46.36	−22 41.6	1.751	2.762	2.7	20.2
7 20	18 37.31	−22 46.8	1.777	2.759	6.8	20.5
7 30	18 29.84	−22 49.5	1.829	2.754	10.7	20.7
8 9	18 24.65	−22 50.1	1.903	2.750	14.0	20.9

236126 2005 SB_{272} 7 3.8 330°.59 1°.4/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 11.32	−16 54.8	2.466	3.327	10.7	19.6
6 10	19 7.29	−17 13.8	2.376	3.311	8.1	19.4
6 20	19 1.70	−17 39.2	2.310	3.296	5.1	19.2
6 30	18 55.03	−18 9.8	2.270	3.282	2.0	19.0
7 10	18 47.96	−18 43.8	2.258	3.268	2.4	19.0
7 20	18 41.19	−19 19.5	2.273	3.254	5.6	19.2
7 30	18 35.45	−19 55.3	2.315	3.241	8.7	19.4
8 9	18 31.31	−20 29.7	2.380	3.229	11.5	19.5

364743 2007 VD_{267} 7 3.8 342°.29 15°.9/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 19.78	− 6 13.0	0.984	1.857	22.0	19.0
6 10	19 15.17	− 2 2.9	0.922	1.842	19.0	18.7
6 20	19 7.13	+ 2 3.3	0.880	1.828	16.6	18.5
6 30	18 56.65	+ 5 46.2	0.860	1.816	15.9	18.4
7 10	18 45.34	+ 8 47.9	0.861	1.805	17.4	18.5
7 20	18 34.94	+10 57.0	0.881	1.796	20.2	18.6
7 30	18 27.07	+12 12.0	0.918	1.789	23.4	18.8
8 9	18 22.78	+12 40.1	0.967	1.784	26.4	19.0

428198 2006 UA_{164} 7 3.8 176°.94 1°.2/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 21.25	−24 34.6	1.874	2.739	13.4	22.4
6 10	19 15.03	−25 2.9	1.802	2.741	9.9	22.2
6 20	19 6.49	−25 32.7	1.753	2.743	6.0	22.0
6 30	18 56.39	−26 0.4	1.730	2.744	2.0	21.7
7 10	18 45.81	−26 23.1	1.734	2.744	3.1	21.8
7 20	18 35.87	−26 39.1	1.766	2.744	7.2	22.1
7 30	18 27.65	−26 48.1	1.823	2.743	11.0	22.3
8 9	18 21.88	−26 51.5	1.902	2.742	14.3	22.5

388683 2007 UN_{78} 7 3.8 124°.23 5°.9/ 2.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 22.00	−38 28.0	2.211	3.060	12.2	21.6
6 10	19 15.55	−39 30.8	2.152	3.069	9.7	21.4
6 20	19 6.78	−40 25.5	2.116	3.078	7.3	21.3
6 30	18 56.47	−41 6.5	2.105	3.087	6.0	21.2
7 10	18 45.71	−41 30.2	2.122	3.095	6.6	21.3
7 20	18 35.66	−41 35.6	2.165	3.103	8.6	21.4
7 30	18 27.37	−41 24.5	2.232	3.111	11.0	21.6
8 9	18 21.57	−41 0.7	2.321	3.119	13.3	21.8

149182 2002 JX_{69} 7 3.8 116°.50 7°.6/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 24.68	−46 42.6	2.683	3.498	11.3	20.4
6 10	19 17.53	−48 8.0	2.633	3.512	9.6	20.3
6 20	19 8.00	−49 21.5	2.607	3.527	8.2	20.2
6 30	18 56.83	−50 17.5	2.607	3.540	7.6	20.2
7 10	18 45.11	−50 52.2	2.633	3.554	8.1	20.2
7 20	18 34.02	−51 5.0	2.684	3.567	9.3	20.3
7 30	18 24.65	−50 57.8	2.758	3.580	10.9	20.5
8 9	18 17.79	−50 35.1	2.853	3.593	12.4	20.6

2707 Ueferji 7 3.8 228°.19 0°.4/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 15.38	−23 22.9	2.644	3.503	10.2	17.2
6 10	19 10.17	−23 39.2	2.559	3.496	7.5	17.0
6 20	19 3.36	−23 56.8	2.500	3.489	4.5	16.8
6 30	18 55.50	−24 14.0	2.467	3.482	1.3	16.6
7 10	18 47.29	−24 29.2	2.464	3.474	2.1	16.6
7 20	18 39.45	−24 41.3	2.488	3.467	5.4	16.8
7 30	18 32.70	−24 50.0	2.540	3.459	8.3	17.0
8 9	18 27.61	−24 55.4	2.615	3.451	11.0	17.2

3168 Lomnický Štít 7 3.8 337°.24 6°.0/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 18.90	−36 58.1	1.872	2.736	13.5	16.2
6 10	19 13.67	−37 52.1	1.802	2.731	10.6	16.0
6 20	19 5.85	−38 38.8	1.754	2.726	7.8	15.9
6 30	18 56.25	−39 12.2	1.731	2.721	6.1	15.7
7 10	18 46.08	−39 28.2	1.733	2.716	6.8	15.8
7 20	18 36.61	−39 25.4	1.760	2.712	9.3	15.9
7 30	18 29.03	−39 5.8	1.810	2.708	12.3	16.1
8 9	18 24.18	−38 33.4	1.881	2.705	15.1	16.3

513688 2012 BS_{55} 7 3.8 158°.32 2°.2/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 13.52	−13 55.6	2.700	3.545	10.4	21.6
6 10	19 8.66	−14 8.0	2.623	3.547	7.9	21.4
6 20	19 2.40	−14 27.4	2.570	3.549	5.1	21.2
6 30	18 55.22	−14 52.9	2.544	3.551	2.7	21.1
7 10	18 47.77	−15 23.1	2.547	3.553	2.8	21.1
7 20	18 40.68	−15 56.7	2.579	3.555	5.3	21.2
7 30	18 34.58	−16 31.9	2.637	3.557	8.0	21.4
8 9	18 29.96	−17 7.3	2.719	3.558	10.5	21.6

508254 2015 HF_{77} 7 3.8 50°.03 5°.5/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
5 31	19 16.23	−10 6.9	1.687	2.541	15.2	21.3
6 10	19 11.23	− 9 30.9	1.626	2.549	11.9	21.1
6 20	19 4.13	− 9 6.8	1.587	2.558	8.5	20.9
6 30	18 55.72	− 8 56.2	1.572	2.567	5.9	20.8
7 10	18 47.00	− 8 59.2	1.582	2.577	5.9	20.8
7 20	18 38.98	− 9 14.4	1.617	2.586	8.6	21.0
7 30	18 32.57	− 9 39.8	1.676	2.596	11.8	21.2
8 9	18 28.43	−10 12.1	1.756	2.606	14.8	21.4

432776 2011 FW_{32} 7 3.8 38.°45 1.°5/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 18.05	−24 21.1	1.480	2.362	15.3	21.1
6 10	19 13.06	−24 57.2	1.423	2.371	11.3	20.8
6 20	19 5.46	−25 35.8	1.387	2.380	6.8	20.6
6 30	18 56.13	−26 12.5	1.375	2.389	2.3	20.3
7 10	18 46.37	−26 43.6	1.389	2.399	3.6	20.5
7 20	18 37.47	−27 6.5	1.427	2.409	8.1	20.7
7 30	18 30.61	−27 21.0	1.489	2.420	12.3	21.0
8 9	18 26.55	−27 28.2	1.572	2.431	15.8	21.3

60079 1999 TB_{147} 7 3.8 313.°13 5.°5/ 5.3 18

5 31	19 13.24	− 6 48.9	2.110	2.946	13.2	19.2
6 10	19 8.83	− 6 32.5	2.029	2.938	10.6	19.0
6 20	19 2.68	− 6 28.7	1.970	2.930	7.9	18.9
6 30	18 55.34	− 6 39.0	1.935	2.922	5.9	18.7
7 10	18 47.59	− 7 2.9	1.926	2.914	5.8	18.7
7 20	18 40.25	− 7 38.9	1.943	2.906	7.8	18.8
7 30	18 34.10	− 8 24.6	1.985	2.899	10.6	19.0
8 9	18 29.76	− 9 16.6	2.050	2.892	13.3	19.1

474510 2003 UM_{119} 7 3.8 268.°81 3.°7/ 4.4 18

5 31	19 16.97	−13 33.7	2.003	2.856	13.2	21.5
6 10	19 11.77	−13 7.5	1.911	2.838	10.2	21.2
6 20	19 4.54	−12 48.4	1.842	2.820	6.9	21.0
6 30	18 55.89	−12 37.4	1.798	2.802	4.1	20.8
7 10	18 46.69	−12 34.5	1.782	2.784	4.4	20.8
7 20	18 37.89	−12 39.3	1.791	2.765	7.5	20.9
7 30	18 30.42	−12 50.8	1.826	2.746	11.0	21.1
8 9	18 25.01	−13 7.7	1.883	2.727	14.2	21.3

83552 2001 SS_{176} 7 3.8 63.°45 5.°3/ 5.4 18

5 31	19 14.54	− 7 10.5	2.045	2.882	13.6	19.3
6 10	19 9.74	− 6 59.2	1.976	2.886	10.8	19.2
6 20	19 3.18	− 7 1.0	1.928	2.890	8.0	19.0
6 30	18 55.47	− 7 16.8	1.905	2.894	5.7	18.9
7 10	18 47.43	− 7 45.7	1.908	2.898	5.6	18.9
7 20	18 39.89	− 8 25.8	1.937	2.902	7.7	19.0
7 30	18 33.65	− 9 14.1	1.992	2.907	10.5	19.2
8 9	18 29.28	−10 7.4	2.069	2.911	13.2	19.4

294729 2008 BR_{46} 7 3.8 338.°68 0.°0/ 3.6 18

5 31	19 15.60	−22 14.0	1.927	2.799	12.8	20.7
6 10	19 10.79	−22 20.8	1.852	2.795	9.5	20.5
6 20	19 3.93	−22 30.2	1.799	2.791	5.7	20.3
6 30	18 55.70	−22 40.3	1.772	2.787	1.6	20.0
7 10	18 47.05	−22 49.4	1.772	2.783	2.6	20.0
7 20	18 38.95	−22 56.4	1.798	2.780	6.7	20.3
7 30	18 32.34	−23 0.9	1.849	2.777	10.4	20.5
8 9	18 27.91	−23 3.3	1.922	2.775	13.6	20.7

77363 2001 FO_{130} 7 3.8 15.°48 1.°7/ 4.1 18

5 31	19 15.21	−19 18.4	1.097	1.996	18.3	18.5
6 10	19 11.48	−19 14.3	1.045	2.000	13.7	18.3
6 20	19 4.72	−19 18.0	1.011	2.006	8.4	18.0
6 30	18 55.95	−19 28.1	0.999	2.013	2.9	17.7
7 10	18 46.70	−19 42.1	1.009	2.021	3.8	17.8
7 20	18 38.51	−19 57.8	1.041	2.030	9.2	18.1
7 30	18 32.72	−20 13.8	1.094	2.040	14.2	18.4
8 9	18 30.13	−20 29.0	1.166	2.051	18.4	18.7

431433 2007 PT_{23} 7 3.8 333.°50 11.°2/ 6.6 17

5 31	19 10.41	+ 0 25.7	1.334	2.176	19.1	20.0
6 10	19 7.70	+ 1 7.8	1.252	2.153	16.4	19.7
6 20	19 2.47	+ 1 25.1	1.188	2.131	13.7	19.5
6 30	18 55.38	+ 1 11.6	1.144	2.110	11.7	19.3
7 10	18 47.48	+ 0 25.1	1.120	2.091	11.3	19.2
7 20	18 40.01	− 0 52.3	1.117	2.073	13.1	19.3
7 30	18 34.23	− 2 34.7	1.135	2.056	16.1	19.4
8 9	18 31.12	− 4 33.0	1.172	2.041	19.4	19.6

355772 2008 RQ_{117} 7 3.8 54.°84 2.°3/ 4.0 17

5 31	19 21.43	−19 40.2	1.176	2.062	18.2	20.6
6 10	19 15.92	−19 7.6	1.119	2.068	13.7	20.3
6 20	19 7.31	−18 39.9	1.081	2.073	8.5	20.0
6 30	18 56.67	−18 16.9	1.065	2.078	3.3	19.8
7 10	18 45.57	−17 58.3	1.074	2.084	4.2	19.8
7 20	18 35.59	−17 44.4	1.105	2.090	9.4	20.1
7 30	18 28.10	−17 35.3	1.159	2.096	14.3	20.4
8 9	18 23.91	−17 30.8	1.231	2.102	18.5	20.7

506683 2006 TN_{17} 7 3.8 264.°18 1.°3/ 4.1 18

5 31	19 19.35	−18 59.6	1.661	2.530	14.6	21.8
6 10	19 14.02	−19 4.1	1.574	2.514	11.1	21.6
6 20	19 6.13	−19 14.8	1.507	2.497	6.9	21.3
6 30	18 56.39	−19 30.2	1.466	2.480	2.4	21.0
7 10	18 45.90	−19 48.1	1.451	2.462	3.2	21.0
7 20	18 35.89	−20 6.7	1.462	2.444	7.9	21.2
7 30	18 27.58	−20 24.8	1.497	2.426	12.3	21.4
8 9	18 21.87	−20 41.9	1.553	2.408	16.2	21.6

125596 2001 XL_{44} 7 3.8 310.°57 6.°4/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 19.77	−33 1.6	1.512	2.390	15.3	18.7
6 10	19 15.01	−34 36.0	1.436	2.376	11.9	18.5
6 20	19 7.08	−36 9.5	1.383	2.363	8.5	18.3
6 30	18 56.72	−37 33.0	1.353	2.350	6.4	18.1
7 10	18 45.31	−38 38.4	1.349	2.337	7.6	18.1
7 20	18 34.46	−39 20.9	1.368	2.325	11.0	18.3
7 30	18 25.78	−39 40.5	1.410	2.313	14.7	18.5
8 9	18 20.42	−39 41.0	1.470	2.302	18.1	18.7

31510 Saumya 7 3.8 174.°45 2.°0/ 3.4 17

5 31	19 23.27	−25 31.9	1.646	2.515	14.7	19.6
6 10	19 16.87	−26 14.0	1.577	2.518	11.0	19.4
6 20	19 7.78	−26 57.8	1.530	2.520	6.7	19.1
6 30	18 56.83	−27 38.3	1.508	2.521	2.6	18.9
7 10	18 45.29	−28 11.3	1.514	2.522	3.8	19.0
7 20	18 34.50	−28 34.2	1.546	2.522	8.1	19.2
7 30	18 25.70	−28 47.0	1.602	2.522	12.2	19.5
8 9	18 19.75	−28 51.6	1.679	2.521	15.8	19.7

22717 Romeuf 7 3.8 304.°36 0.°4/ 3.9 18 R

5 31	19 14.56	−20 14.2	2.229	3.093	11.6	18.4
6 10	19 9.83	−20 32.4	2.147	3.085	8.6	18.2
6 20	19 3.29	−20 54.9	2.088	3.078	5.2	18.0
6 30	18 55.54	−21 19.9	2.056	3.070	1.6	17.7
7 10	18 47.36	−21 45.5	2.051	3.063	2.3	17.8
7 20	18 39.60	−22 10.0	2.074	3.055	6.0	18.0
7 30	18 33.07	−22 32.3	2.123	3.048	9.4	18.2
8 9	18 28.41	−22 51.8	2.194	3.041	12.4	18.4

260353 2004 TL_{308} 7 3.8 311.°53 7.°7/ 4.7 18

5 31	19 13.44	− 3 10.0	2.105	2.927	13.8	20.4
6 10	19 9.01	− 2 9.9	2.021	2.912	11.5	20.3
6 20	19 2.81	− 1 22.5	1.957	2.897	9.3	20.1
6 30	18 55.41	− 0 51.0	1.918	2.883	7.9	20.0
7 10	18 47.57	− 0 37.3	1.904	2.869	7.9	19.9
7 20	18 40.10	− 0 41.6	1.915	2.855	9.5	20.0
7 30	18 33.80	− 1 2.2	1.950	2.841	11.8	20.1
8 9	18 29.32	− 1 36.1	2.005	2.828	14.3	20.3

459530 2013 FG_{1} 7 3.8 52.°36 2.°2/ 4.3 17

5 31	19 19.46	−17 5.0	1.204	2.088	18.0	21.3
6 10	19 14.48	−17 13.8	1.146	2.093	13.6	21.1
6 20	19 6.49	−17 33.4	1.108	2.099	8.5	20.8
6 30	18 56.48	−18 1.7	1.092	2.105	3.3	20.5
7 10	18 45.92	−18 35.3	1.100	2.111	4.0	20.6
7 20	18 36.33	−19 10.8	1.131	2.117	9.1	20.9
7 30	18 29.08	−19 45.8	1.185	2.124	14.0	21.2
8 9	18 25.03	−20 18.5	1.258	2.131	18.1	21.5

71405 2000 AG_{173} 7 3.8 196.°00 3.°8/ 4.6 18

5 31	19 16.98	−12 15.4	2.226	3.070	12.4	19.6
6 10	19 11.46	−11 51.3	2.148	3.068	9.6	19.4
6 20	19 4.19	−11 34.9	2.092	3.066	6.6	19.2
6 30	18 55.78	−11 26.9	2.063	3.063	4.1	19.1
7 10	18 47.02	−11 27.2	2.061	3.060	4.3	19.1
7 20	18 38.72	−11 35.0	2.087	3.057	6.9	19.2
7 30	18 31.67	−11 49.4	2.138	3.053	9.9	19.4
8 9	18 26.47	−12 8.7	2.213	3.049	12.7	19.6

144061 2004 BB_{42} 7 3.8 110.°24 3.°1/ 3.3 18

5 31	19 23.24	−29 36.7	1.662	2.532	14.6	20.5
6 10	19 16.68	−30 4.6	1.605	2.544	10.9	20.3
6 20	19 7.53	−30 28.9	1.570	2.557	6.9	20.1
6 30	18 56.72	−30 45.2	1.560	2.569	3.5	19.9
7 10	18 45.57	−30 50.3	1.576	2.581	4.4	20.0
7 20	18 35.39	−30 43.8	1.619	2.592	8.1	20.3
7 30	18 27.31	−30 27.4	1.685	2.604	11.9	20.5
8 9	18 22.05	−30 4.4	1.773	2.614	15.1	20.8

355555 2008 CY_{10} 7 3.8 328.°23 2.°8/ 4.8 18

5 31	19 14.29	−13 23.6	1.911	2.771	13.4	20.4
6 10	19 9.84	−13 43.4	1.832	2.763	10.3	20.2
6 20	19 3.40	−14 14.1	1.774	2.757	6.7	20.0
6 30	18 55.59	−14 54.7	1.742	2.750	3.5	19.7
7 10	18 47.29	−15 42.9	1.737	2.744	3.6	19.7
7 20	18 39.42	−16 35.7	1.758	2.738	7.0	19.9
7 30	18 32.93	−17 30.2	1.804	2.733	10.6	20.1
8 9	18 28.50	−18 23.6	1.872	2.728	13.8	20.3

333484 2004 VE_{16} 7 3.8 294.°07 2.°1/ 4.6 18

5 31	19 17.22	−14 43.2	1.696	2.560	14.6	20.0
6 10	19 12.54	−15 21.0	1.597	2.533	11.2	19.7
6 20	19 5.35	−16 12.5	1.520	2.506	7.2	19.4
6 30	18 56.23	−17 15.9	1.468	2.479	3.1	19.1
7 10	18 46.16	−18 27.7	1.442	2.452	3.4	19.1
7 20	18 36.32	−19 43.0	1.442	2.425	7.9	19.3
7 30	18 27.95	−20 57.6	1.468	2.398	12.4	19.5
8 9	18 22.06	−22 8.1	1.514	2.371	16.5	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
264929 2002 UC_{39}			7 3.8 224°.55	1°.5/ 3.5 17		
	h m	° ′			°	m
5 31	19 21.31	−25 38.7	1.991	2.854	12.8	21.4
6 10	19 15.14	−26 6.1	1.906	2.844	9.6	21.2
6 20	19 6.65	−26 34.3	1.844	2.833	5.9	21.0
6 30	18 56.53	−26 59.9	1.809	2.822	2.1	20.7
7 10	18 45.80	−27 19.8	1.801	2.810	3.2	20.7
7 20	18 35.57	−27 32.3	1.821	2.797	7.1	21.0
7 30	18 26.92	−27 37.4	1.866	2.784	10.9	21.2
8 9	18 20.64	−27 36.4	1.934	2.770	14.2	21.4
379301 2009 VH_{72}			7 3.8 242°.68	0°.5/ 3.7 18		
5 31	19 19.49	−22 6.9	1.934	2.799	13.1	21.5
6 10	19 13.86	−22 42.9	1.847	2.786	9.7	21.3
6 20	19 5.93	−23 23.6	1.783	2.773	5.9	21.0
6 30	18 56.35	−24 5.7	1.745	2.760	1.7	20.7
7 10	18 46.09	−24 45.9	1.735	2.746	2.8	20.8
7 20	18 36.26	−25 21.1	1.752	2.732	7.1	21.0
7 30	18 27.94	−25 50.3	1.795	2.717	11.0	21.2
8 9	18 21.95	−26 13.2	1.860	2.702	14.5	21.4
260840 2005 QO_{45}			7 3.8 289°.91	3°.8/ 2.9 18		
5 31	19 18.30	−32 30.2	2.106	2.970	12.2	20.9
6 10	19 12.88	−33 2.0	2.026	2.961	9.3	20.7
6 20	19 5.25	−33 29.4	1.970	2.951	6.2	20.5
6 30	18 56.13	−33 48.6	1.939	2.942	3.9	20.3
7 10	18 46.50	−33 56.5	1.935	2.933	4.7	20.4
7 20	18 37.42	−33 52.2	1.958	2.924	7.5	20.5
7 30	18 29.92	−33 36.7	2.005	2.915	10.7	20.7
8 9	18 24.72	−33 12.7	2.075	2.906	13.6	20.9
514017 2014 JU_{84}			7 3.8 183°.05	2°.6/ 4.8 18		
5 31	19 14.35	−13 13.9	2.441	3.287	11.3	21.9
6 10	19 9.44	−13 24.1	2.363	3.287	8.6	21.7
6 20	19 2.96	−13 42.3	2.309	3.287	5.7	21.6
6 30	18 55.45	−14 7.9	2.281	3.287	3.1	21.4
7 10	18 47.62	−14 39.5	2.282	3.287	3.2	21.4
7 20	18 40.18	−15 15.3	2.310	3.286	5.9	21.6
7 30	18 33.84	−15 53.5	2.365	3.286	8.8	21.7
8 9	18 29.14	−16 32.3	2.444	3.285	11.4	21.9
475099 2005 UV_{219}			7 3.8 161°.47	1°.8/ 4.3 18		
5 31	19 15.39	−17 4.2	2.604	3.455	10.6	21.7
6 10	19 10.07	−16 51.5	2.529	3.458	7.9	21.6
6 20	19 3.26	−16 43.0	2.478	3.461	5.0	21.4
6 30	18 55.52	−16 38.3	2.454	3.464	2.3	21.2
7 10	18 47.53	−16 36.9	2.458	3.466	2.6	21.2
7 20	18 39.98	−16 38.2	2.491	3.468	5.5	21.4
7 30	18 33.52	−16 41.9	2.551	3.470	8.3	21.6
8 9	18 28.65	−16 47.4	2.635	3.472	10.8	21.8
123802 2001 BC_{56}			7 3.8 242°.31	0°.5/ 3.7 18		
5 31	19 18.03	−22 53.0	1.847	2.717	13.3	20.0
6 10	19 12.71	−23 13.6	1.774	2.716	9.9	19.8
6 20	19 5.16	−23 36.9	1.723	2.714	6.0	19.5
6 30	18 56.11	−24 0.4	1.697	2.712	1.7	19.2
7 10	18 46.58	−24 21.4	1.699	2.710	2.8	19.3
7 20	18 37.66	−24 38.1	1.727	2.708	7.0	19.6
7 30	18 30.34	−24 50.1	1.780	2.706	10.9	19.8
8 9	18 25.37	−24 57.9	1.854	2.704	14.2	20.0
53965 2000 GY_{64}			7 3.8 212°.87	0°.8/ 3.7 18		
5 31	19 20.26	−23 52.9	1.807	2.675	13.7	20.1
6 10	19 14.45	−24 12.9	1.730	2.671	10.2	19.9
6 20	19 6.26	−24 34.9	1.676	2.667	6.1	19.6
6 30	18 56.44	−24 55.9	1.648	2.662	1.9	19.3
7 10	18 46.08	−25 13.0	1.646	2.657	3.0	19.4
7 20	18 36.33	−25 24.6	1.672	2.652	7.3	19.7
7 30	18 28.30	−25 30.7	1.722	2.646	11.3	19.9
8 9	18 22.75	−25 32.2	1.794	2.640	14.7	20.1
250555 2004 RY_{159}			7 3.9 332°.62	7°.9/ 5.2 18		
5 31	19 12.61	− 3 5.7	1.926	2.754	14.6	19.4
6 10	19 8.53	− 2 15.0	1.847	2.743	12.2	19.3
6 20	19 2.59	− 1 39.0	1.790	2.733	9.8	19.1
6 30	18 55.40	− 1 20.9	1.755	2.723	8.1	19.0
7 10	18 47.76	− 1 22.0	1.745	2.714	8.1	18.9
7 20	18 40.55	− 1 41.9	1.759	2.705	9.7	19.0
7 30	18 34.63	− 2 18.2	1.796	2.697	12.2	19.2
8 9	18 30.63	− 3 6.7	1.855	2.689	14.8	19.3
193627 2001 CD_{33}			7 3.9 221°.12	3°.5/ 2.6 18		
5 31	19 20.60	−29 33.6	2.106	2.967	12.3	20.2
6 10	19 14.66	−30 40.3	2.026	2.961	9.3	20.0
6 20	19 6.41	−31 46.8	1.970	2.954	6.1	19.8
6 30	18 56.52	−32 47.8	1.941	2.947	3.6	19.6
7 10	18 45.96	−33 38.6	1.940	2.939	4.6	19.7
7 20	18 35.84	−34 16.2	1.967	2.931	7.7	19.9
7 30	18 27.25	−34 40.4	2.019	2.922	10.9	20.0
8 9	18 20.99	−34 52.7	2.093	2.914	13.8	20.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
414094 2007 TD_{216}			7 3.9 221°.02	1°.6/ 3.6 17		
	h m	° ′			°	m
5 31	19 22.38	−25 41.2	1.670	2.540	14.5	22.1
6 10	19 16.27	−26 1.9	1.592	2.533	10.9	21.8
6 20	19 7.48	−26 23.1	1.536	2.526	6.6	21.5
6 30	18 56.83	−26 41.0	1.505	2.519	2.3	21.3
7 10	18 45.52	−26 52.5	1.501	2.511	3.5	21.3
7 20	18 34.89	−26 56.1	1.523	2.502	8.0	21.6
7 30	18 26.19	−26 52.4	1.570	2.493	12.2	21.8
8 9	18 20.27	−26 43.2	1.637	2.484	15.9	22.0
503690 2016 HH_{20}			7 3.9 157°.80	0°.1/ 3.8 17		
5 31	19 22.64	−22 40.5	1.719	2.585	14.4	22.5
6 10	19 16.16	−22 49.0	1.652	2.591	10.7	22.2
6 20	19 7.23	−22 59.7	1.607	2.597	6.4	22.0
6 30	18 56.71	−23 10.1	1.587	2.602	1.8	21.7
7 10	18 45.77	−23 17.8	1.595	2.606	2.9	21.8
7 20	18 35.61	−23 21.9	1.629	2.610	7.4	22.1
7 30	18 27.33	−23 22.6	1.689	2.614	11.5	22.3
8 9	18 21.66	−23 20.7	1.770	2.616	14.9	22.6
382189 2012 KA_{43}			7 3.9 336°.26	4°.8/ 2.3 15		
5 31	19 13.42	−27 25.0	1.128	2.032	17.4	20.0
6 10	19 10.84	−28 50.0	1.054	2.013	13.2	19.7
6 20	19 4.86	−30 21.4	1.000	1.994	8.6	19.4
6 30	18 56.21	−31 50.7	0.967	1.977	5.0	19.1
7 10	18 46.37	−33 8.2	0.957	1.961	6.6	19.2
7 20	18 37.15	−34 6.8	0.968	1.947	11.5	19.4
7 30	18 30.37	−34 44.1	1.000	1.934	16.4	19.6
8 9	18 27.33	−35 1.8	1.048	1.923	20.8	19.8
61144 2000 NW_{8}			7 3.9 355°.24	3°.6/ 4.5 18		
5 31	19 14.17	−15 24.7	1.025	1.923	19.3	18.6
6 10	19 11.02	−15 19.2	0.965	1.918	14.7	18.4
6 20	19 4.67	−15 27.6	0.923	1.915	9.6	18.1
6 30	18 56.08	−15 49.6	0.901	1.912	4.6	17.8
7 10	18 46.75	−16 22.6	0.901	1.911	5.0	17.8
7 20	18 38.34	−17 2.9	0.922	1.911	10.1	18.1
7 30	18 32.36	−17 46.7	0.963	1.912	15.3	18.4
8 9	18 29.77	−18 30.2	1.021	1.914	19.8	18.6
370274 2002 QU_{60}			7 3.9 308°.70	1°.1/ 3.7 18		
5 31	19 18.66	−25 16.2	1.336	2.223	16.3	20.3
6 10	19 14.13	−25 18.3	1.254	2.205	12.3	20.0
6 20	19 6.51	−25 20.7	1.192	2.186	7.5	19.7
6 30	18 56.62	−25 20.1	1.154	2.168	2.4	19.4
7 10	18 45.84	−25 13.9	1.139	2.151	3.7	19.4
7 20	18 35.73	−25 1.3	1.148	2.134	9.1	19.7
7 30	18 27.82	−24 43.2	1.180	2.117	14.2	19.9
8 9	18 23.14	−24 22.1	1.230	2.101	18.6	20.1
231877 2000 UH_{66}			7 3.9 247°.41	0°.8/ 4.0 17		
5 31	19 19.10	−20 29.8	2.046	2.906	12.6	21.3
6 10	19 13.40	−20 27.5	1.955	2.891	9.5	21.1
6 20	19 5.58	−20 28.2	1.887	2.876	5.8	20.8
6 30	18 56.28	−20 30.8	1.846	2.860	1.9	20.5
7 10	18 46.43	−20 33.9	1.833	2.844	2.7	20.6
7 20	18 37.02	−20 36.6	1.847	2.827	6.7	20.8
7 30	18 29.02	−20 38.7	1.887	2.810	10.5	21.0
8 9	18 23.18	−20 40.3	1.949	2.793	13.8	21.2
356946 2012 UW_{69}			7 3.9 307°.15	2°.7/ 3.4 18		
5 31	19 19.23	−29 37.6	1.805	2.677	13.5	20.7
6 10	19 13.76	−29 52.1	1.730	2.671	10.2	20.5
6 20	19 5.88	−30 3.2	1.677	2.665	6.4	20.2
6 30	18 56.36	−30 7.4	1.649	2.659	3.1	20.0
7 10	18 46.35	−30 2.1	1.647	2.653	4.0	20.1
7 20	18 37.03	−29 47.1	1.671	2.648	7.7	20.3
7 30	18 29.51	−29 23.7	1.720	2.642	11.5	20.5
8 9	18 24.54	−28 54.7	1.791	2.637	14.8	20.7
511205 2013 YV_{149}			7 3.9 249°.54	1°.4/ 4.1 18		
5 31	19 19.29	−19 12.4	2.087	2.945	12.5	21.3
6 10	19 13.51	−19 5.1	1.993	2.927	9.4	21.1
6 20	19 5.65	−19 1.5	1.922	2.909	5.9	20.8
6 30	18 56.31	−19 0.8	1.877	2.890	2.2	20.5
7 10	18 46.40	−19 1.9	1.861	2.871	2.8	20.5
7 20	18 36.88	−19 3.9	1.871	2.851	6.7	20.7
7 30	18 28.73	−19 6.7	1.908	2.830	10.5	20.9
8 9	18 22.69	−19 10.2	1.968	2.809	13.8	21.1
292456 2006 SR_{362}			7 3.9 302°.39	2°.9/ 4.5 18		
5 31	19 15.10	−15 2.6	1.959	2.819	13.1	20.7
6 10	19 10.42	−14 50.9	1.875	2.808	10.0	20.5
6 20	19 3.77	−14 46.6	1.814	2.797	6.6	20.2
6 30	18 55.77	−14 49.6	1.778	2.786	3.5	20.0
7 10	18 47.28	−14 59.3	1.769	2.775	3.7	20.0
7 20	18 39.25	−15 14.5	1.786	2.765	7.1	20.2
7 30	18 32.57	−15 33.9	1.828	2.754	10.6	20.4
8 9	18 27.94	−15 56.1	1.892	2.744	13.8	20.6

39117 2000 WE_{34} 7 3.9 308.°68 3.°8/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 15.86	−14 11.8	1.502	2.373	15.8	18.5
6 10	19 11.83	−14 2.3	1.401	2.339	12.3	18.2
6 20	19 5.10	−14 3.7	1.320	2.305	8.3	17.9
6 30	18 56.26	−14 16.7	1.263	2.271	4.5	17.6
7 10	18 46.37	−14 40.4	1.229	2.237	4.8	17.5
7 20	18 36.71	−15 13.2	1.221	2.203	9.1	17.7
7 30	18 28.66	−15 52.4	1.235	2.169	13.9	17.8
8 9	18 23.32	−16 35.4	1.268	2.137	18.3	18.0

359729 2011 UQ_{30} 7 3.9 117.°50 5.°8/ 4.9 18

5 31	19 15.18	− 5 40.6	2.444	3.263	12.1	20.5
6 10	19 9.93	− 4 54.5	2.377	3.272	9.8	20.4
6 20	19 3.20	− 4 19.0	2.332	3.281	7.6	20.3
6 30	18 55.56	− 3 55.9	2.314	3.289	6.0	20.2
7 10	18 47.69	− 3 46.0	2.323	3.297	6.0	20.2
7 20	18 40.28	− 3 48.9	2.358	3.305	7.6	20.3
7 30	18 33.99	− 4 3.0	2.418	3.313	9.7	20.5
8 9	18 29.31	− 4 26.1	2.501	3.320	11.9	20.6

506577 2005 UH_{345} 7 3.9 237.°31 1.°4/ 3.5 17

5 31	19 20.15	−24 51.6	1.985	2.850	12.8	22.6
6 10	19 14.33	−25 23.2	1.899	2.838	9.5	22.4
6 20	19 6.22	−25 56.8	1.836	2.826	5.8	22.1
6 30	18 56.49	−26 28.8	1.799	2.813	2.0	21.9
7 10	18 46.12	−26 56.0	1.790	2.799	3.1	21.9
7 20	18 36.21	−27 16.4	1.808	2.786	7.1	22.1
7 30	18 27.84	−27 29.4	1.852	2.771	10.9	22.3
8 9	18 21.79	−27 36.1	1.918	2.756	14.2	22.5

138773 2000 SS_{318} 7 3.9 130.°22 1.°6/ 4.2 18

5 31	19 16.74	−17 25.7	3.085	3.926	9.3	20.0
6 10	19 10.76	−17 6.0	3.019	3.943	7.0	19.9
6 20	19 3.56	−16 49.3	2.978	3.960	4.4	19.7
6 30	18 55.64	−16 35.5	2.966	3.975	2.0	19.6
7 10	18 47.59	−16 24.2	2.984	3.991	2.3	19.6
7 20	18 39.99	−16 15.4	3.031	4.005	4.7	19.8
7 30	18 33.37	−16 9.0	3.106	4.020	7.2	20.0
8 9	18 28.16	−16 4.7	3.207	4.033	9.4	20.2

93513 2000 TP_{61} 7 3.9 167.°01 2.°6/ 2.9 18

5 31	19 20.81	−27 28.7	2.076	2.938	12.4	19.8
6 10	19 14.68	−28 27.0	2.005	2.942	9.2	19.6
6 20	19 6.35	−29 25.6	1.958	2.945	5.8	19.4
6 30	18 56.51	−30 19.9	1.938	2.948	2.9	19.2
7 10	18 46.15	−31 5.6	1.946	2.950	3.9	19.3
7 20	18 36.33	−31 40.3	1.982	2.952	7.2	19.5
7 30	18 28.08	−32 3.6	2.044	2.953	10.5	19.7
8 9	18 22.12	−32 16.9	2.127	2.954	13.4	19.9

114805 2003 NR_{10} 7 3.9 280.°00 5.°2/ 5.3 18

5 31	19 16.11	− 8 11.0	1.885	2.726	14.3	20.1
6 10	19 11.34	− 8 7.4	1.791	2.706	11.4	19.8
6 20	19 4.44	− 8 18.0	1.718	2.686	8.3	19.6
6 30	18 56.00	− 8 43.7	1.670	2.665	5.7	19.4
7 10	18 46.89	− 9 23.8	1.648	2.644	5.6	19.3
7 20	18 38.10	−10 15.9	1.652	2.623	8.3	19.5
7 30	18 30.63	−11 16.8	1.681	2.602	11.8	19.6
8 9	18 25.29	−12 22.6	1.732	2.580	15.1	19.8

88708 2001 SM_{1} 7 3.9 307.°61 2.°4/ 3.5 18

5 31	19 19.24	−26 43.3	1.170	2.065	17.7	19.7
6 10	19 15.02	−27 2.6	1.093	2.046	13.4	19.4
6 20	19 7.28	−27 22.3	1.034	2.028	8.3	19.1
6 30	18 56.90	−27 37.4	0.997	2.011	3.2	18.7
7 10	18 45.44	−27 43.4	0.983	1.993	4.6	18.8
7 20	18 34.72	−27 38.3	0.992	1.977	10.2	19.0
7 30	18 26.53	−27 23.2	1.021	1.960	15.6	19.3
8 9	18 22.03	−27 1.4	1.068	1.945	20.3	19.5

217203 2002 TV_{210} 7 3.9 308.°32 2.°0/ 3.5 17

5 31	19 18.32	−26 12.3	1.345	2.233	16.2	20.1
6 10	19 13.98	−26 31.1	1.260	2.211	12.3	19.8
6 20	19 6.50	−26 50.9	1.195	2.189	7.6	19.4
6 30	18 56.66	−27 7.4	1.154	2.167	2.8	19.1
7 10	18 45.82	−27 16.6	1.136	2.146	4.2	19.1
7 20	18 35.56	−27 16.5	1.142	2.125	9.4	19.3
7 30	18 27.47	−27 7.5	1.170	2.105	14.4	19.6
8 9	18 22.66	−26 52.2	1.216	2.086	18.8	19.8

43643 2002 EO_{51} 7 3.9 329.°18 1.°8/ 3.5 18

5 31	19 17.19	−25 59.2	1.482	2.366	15.2	19.2
6 10	19 12.70	−26 19.3	1.407	2.356	11.4	18.9
6 20	19 5.47	−26 40.1	1.353	2.346	7.0	18.6
6 30	18 56.30	−26 57.9	1.323	2.337	2.5	18.3
7 10	18 46.47	−27 9.3	1.318	2.328	3.8	18.4
7 20	18 37.33	−27 12.7	1.337	2.320	8.4	18.6
7 30	18 30.19	−27 8.4	1.380	2.312	12.9	18.9
8 9	18 25.93	−26 58.4	1.442	2.306	16.7	19.1

89661 2001 YD_{3} 7 3.9 323.°61 3.°1/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 16.81	−28 16.3	1.051	1.955	18.4	18.2
6 10	19 13.53	−28 29.4	0.976	1.934	14.0	17.9
6 20	19 6.53	−28 40.3	0.918	1.913	8.9	17.5
6 30	18 56.72	−28 43.6	0.880	1.893	3.8	17.2
7 10	18 45.75	−28 34.9	0.865	1.875	5.2	17.2
7 20	18 35.59	−28 13.0	0.870	1.857	10.9	17.4
7 30	18 28.15	−27 40.2	0.895	1.841	16.5	17.7
8 9	18 24.66	−27 0.9	0.936	1.826	21.5	17.9

62888 2000 UX_{96} 7 3.9 11.°12 8.°6/ 4.0 17

5 31	19 14.08	−10 12.9	1.121	2.004	19.2	17.3
6 10	19 10.42	− 8 29.5	1.071	2.008	15.3	17.1
6 20	19 4.02	− 6 59.8	1.039	2.013	11.5	16.9
6 30	18 55.85	− 5 50.0	1.029	2.020	8.9	16.8
7 10	18 47.31	− 5 4.2	1.040	2.029	9.2	16.8
7 20	18 39.77	− 4 43.7	1.072	2.039	12.1	17.0
7 30	18 34.41	− 4 45.9	1.124	2.051	15.7	17.3
8 9	18 31.96	− 5 5.7	1.194	2.064	19.1	17.5

499455 2010 EO_{104} 7 3.9 175.°26 1.°7/ 3.3 18

5 31	19 20.35	−27 31.9	2.764	3.614	10.0	23.3
6 10	19 13.79	−28 1.0	2.687	3.618	7.5	23.2
6 20	19 5.57	−28 29.0	2.636	3.621	4.6	23.0
6 30	18 56.26	−28 53.1	2.612	3.623	2.0	22.8
7 10	18 46.61	−29 11.3	2.619	3.625	2.8	22.9
7 20	18 37.41	−29 22.5	2.654	3.625	5.6	23.1
7 30	18 29.40	−29 26.9	2.718	3.625	8.3	23.2
8 9	18 23.15	−29 25.6	2.805	3.624	10.8	23.4

395224 2010 LT_{79} 7 3.9 334.°48 4.°3/ 2.9 18

5 31	19 17.56	−33 1.0	1.821	2.693	13.4	20.6
6 10	19 12.65	−33 33.9	1.746	2.684	10.3	20.4
6 20	19 5.29	−34 1.6	1.693	2.676	7.0	20.2
6 30	18 56.23	−34 19.7	1.665	2.668	4.5	20.0
7 10	18 46.63	−34 24.7	1.662	2.660	5.3	20.1
7 20	18 37.70	−34 15.7	1.685	2.653	8.4	20.2
7 30	18 30.56	−33 54.2	1.732	2.647	11.8	20.4
8 9	18 26.02	−33 23.5	1.800	2.641	14.9	20.6

420379 2012 BV_{139} 7 3.9 124.°10 2.°0/ 3.4 17

5 31	19 22.24	−25 13.6	1.558	2.431	15.2	21.8
6 10	19 16.18	−25 58.7	1.497	2.440	11.3	21.6
6 20	19 7.41	−26 45.7	1.457	2.448	6.9	21.4
6 30	18 56.83	−27 29.5	1.443	2.456	2.6	21.1
7 10	18 45.74	−28 5.7	1.455	2.464	3.8	21.2
7 20	18 35.49	−28 31.6	1.493	2.471	8.2	21.5
7 30	18 27.32	−28 47.2	1.555	2.478	12.3	21.8
8 9	18 22.03	−28 54.2	1.637	2.485	15.9	22.0

282858 2007 CX_{12} 7 3.9 71.°89 1.°1/ 4.2 17 R

5 31	19 19.29	−18 20.2	1.551	2.423	15.3	20.9
6 10	19 13.74	−18 44.0	1.498	2.439	11.4	20.7
6 20	19 5.80	−19 15.3	1.466	2.456	6.9	20.5
6 30	18 56.34	−19 51.4	1.458	2.472	2.3	20.2
7 10	18 46.55	−20 29.0	1.477	2.488	3.0	20.3
7 20	18 37.61	−21 5.1	1.521	2.505	7.5	20.6
7 30	18 30.58	−21 38.1	1.590	2.521	11.6	20.9
8 9	18 26.14	−22 7.1	1.680	2.537	15.1	21.2

354815 2005 WK_{28} 7 3.9 29.°72 2.°6/ 4.2 16

5 31	19 15.83	−17 1.4	2.024	2.886	12.7	20.2
6 10	19 10.73	−16 27.8	1.957	2.891	9.6	20.0
6 20	19 3.82	−15 58.8	1.913	2.897	6.2	19.8
6 30	18 55.77	−15 34.8	1.894	2.903	3.1	19.6
7 10	18 47.45	−15 16.2	1.902	2.909	3.5	19.7
7 20	18 39.74	−15 2.9	1.937	2.915	6.7	19.9
7 30	18 33.44	−14 54.7	1.998	2.922	10.0	20.1
8 9	18 29.11	−14 51.1	2.081	2.929	12.9	20.3

64338 2001 UU_{64} 7 3.9 262.°10 0.°3/ 3.8 18

5 31	19 22.13	−23 58.3	1.429	2.307	16.1	18.7
6 10	19 16.47	−23 53.4	1.349	2.295	12.1	18.4
6 20	19 7.81	−23 49.1	1.290	2.283	7.3	18.1
6 30	18 57.00	−23 43.0	1.255	2.270	2.1	17.7
7 10	18 45.42	−23 32.9	1.245	2.257	3.4	17.8
7 20	18 34.57	−23 18.6	1.260	2.243	8.7	18.0
7 30	18 25.87	−23 1.1	1.298	2.230	13.6	18.3
8 9	18 20.29	−22 42.4	1.356	2.216	17.8	18.5

342582 2008 UP_{270} 7 3.9 211.°26 6.°7/ 5.1 18

5 31	19 16.92	− 4 32.7	2.143	2.962	13.6	21.4
6 10	19 11.52	− 3 49.8	2.063	2.957	11.2	21.2
6 20	19 4.33	− 3 19.6	2.006	2.952	8.7	21.1
6 30	18 55.94	− 3 4.4	1.973	2.946	7.0	20.9
7 10	18 47.15	− 3 5.1	1.966	2.940	7.0	20.9
7 20	18 38.79	− 3 21.0	1.986	2.934	8.7	21.0
7 30	18 31.67	− 3 50.2	2.030	2.927	11.2	21.2
8 9	18 26.42	− 4 29.5	2.096	2.919	13.8	21.3

468793 2012 FC_{22} 7 3.9 53°.06 4°.5/ 3.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 22.38	−30 42.9	1.277	2.162	17.1	21.0
6 10	19 16.63	−31 30.0	1.234	2.180	12.9	20.8
6 20	19 7.75	−32 12.3	1.210	2.199	8.3	20.6
6 30	18 56.91	−32 43.0	1.210	2.218	4.8	20.5
7 10	18 45.74	−32 57.8	1.234	2.237	5.8	20.6
7 20	18 35.87	−32 55.9	1.282	2.257	9.7	20.8
7 30	18 28.61	−32 40.2	1.352	2.276	13.7	21.1
8 9	18 24.69	−32 15.1	1.441	2.296	17.2	21.4

262982 2007 EG_{31} 7 3.9 220°.32 2°.1/ 4.6 18

5 31	19 14.74	−14 38.8	2.717	3.562	10.3	21.6
6 10	19 9.66	−14 46.4	2.630	3.554	7.9	21.4
6 20	19 3.11	−15 0.2	2.567	3.547	5.1	21.2
6 30	18 55.59	−15 19.7	2.531	3.539	2.6	21.0
7 10	18 47.72	−15 43.8	2.524	3.530	2.8	21.0
7 20	18 40.17	−16 11.1	2.545	3.522	5.4	21.2
7 30	18 33.59	−16 40.2	2.594	3.513	8.2	21.4
8 9	18 28.52	−17 10.0	2.667	3.503	10.7	21.5

245618 2005 WP_{134} 7 3.9 41°.90 0°.6/ 3.9 17

5 31	19 20.75	−21 57.6	1.183	2.073	17.9	20.4
6 10	19 15.54	−21 49.7	1.127	2.077	13.3	20.1
6 20	19 7.20	−21 45.4	1.089	2.083	8.1	19.8
6 30	18 56.79	−21 42.5	1.074	2.088	2.4	19.5
7 10	18 45.89	−21 39.2	1.082	2.094	3.6	19.6
7 20	18 36.08	−21 34.8	1.114	2.101	9.1	20.0
7 30	18 28.77	−21 29.5	1.168	2.107	14.1	20.3
8 9	18 24.77	−21 24.1	1.241	2.114	18.3	20.5

479255 2013 ER_{86} 7 3.9 160°.53 3°.7/ 5.0 18

5 31	19 14.19	−10 13.9	2.494	3.331	11.4	21.6
6 10	19 9.28	−10 7.1	2.419	3.333	8.9	21.4
6 20	19 2.88	−10 9.4	2.366	3.335	6.3	21.3
6 30	18 55.52	−10 20.8	2.341	3.337	4.1	21.1
7 10	18 47.87	−10 40.8	2.342	3.339	4.1	21.1
7 20	18 40.62	−11 8.0	2.371	3.341	6.2	21.3
7 30	18 34.43	−11 40.7	2.427	3.342	8.9	21.4
8 9	18 29.82	−12 16.8	2.506	3.343	11.3	21.6

500050 2011 US_{40} 7 3.9 284°.53 0°.9/ 3.9 17

5 31	19 20.22	−20 51.9	1.280	2.164	17.1	22.7
6 10	19 15.38	−20 49.3	1.198	2.147	13.0	22.4
6 20	19 7.35	−20 51.9	1.137	2.129	8.0	22.1
6 30	18 56.93	−20 57.7	1.098	2.112	2.5	21.7
7 10	18 45.53	−21 4.2	1.083	2.095	3.7	21.7
7 20	18 34.77	−21 10.0	1.091	2.077	9.4	22.0
7 30	18 26.22	−21 14.6	1.122	2.060	14.7	22.2
8 9	18 20.99	−21 18.4	1.172	2.043	19.3	22.5

478497 2012 RE_{40} 7 3.9 330°.90 1°.6/ 4.3 18

5 31	19 10.42	−17 24.2	1.126	2.027	17.7	20.0
6 10	19 8.52	−17 50.4	1.034	1.991	13.6	19.7
6 20	19 3.49	−18 31.9	0.960	1.955	8.6	19.3
6 30	18 55.92	−19 27.6	0.907	1.921	3.1	18.8
7 10	18 47.00	−20 33.5	0.875	1.888	3.9	18.8
7 20	18 38.34	−21 44.0	0.865	1.857	10.1	19.0
7 30	18 31.71	−22 53.2	0.875	1.828	16.0	19.2
8 9	18 28.53	−23 57.1	0.902	1.801	21.3	19.4

147149 2002 TF_{279} 7 3.9 306°.67 1°.3/ 3.9 18

5 31	19 18.37	−21 12.6	1.380	2.263	16.2	19.6
6 10	19 13.74	−20 51.0	1.297	2.245	12.2	19.4
6 20	19 6.21	−20 31.9	1.235	2.227	7.6	19.0
6 30	18 56.57	−20 14.4	1.196	2.210	2.5	18.7
7 10	18 46.13	−19 57.9	1.182	2.193	3.6	18.7
7 20	18 36.34	−19 42.3	1.191	2.177	8.8	19.0
7 30	18 28.58	−19 28.3	1.223	2.161	13.8	19.2
8 9	18 23.84	−19 16.7	1.275	2.145	18.1	19.4

173042 2006 QU_{96} 7 3.9 347°.30 1°.5/ 4.3 18

5 31	19 14.42	−16 20.8	1.125	2.019	18.2	18.6
6 10	19 11.17	−17 6.1	1.059	2.011	13.8	18.3
6 20	19 4.82	−18 7.6	1.011	2.005	8.6	18.0
6 30	18 56.21	−19 21.7	0.985	1.999	3.0	17.7
7 10	18 46.73	−20 42.2	0.982	1.994	3.7	17.7
7 20	18 37.98	−22 2.2	1.001	1.991	9.4	18.0
7 30	18 31.50	−23 15.9	1.042	1.988	14.7	18.3
8 9	18 28.34	−24 20.3	1.102	1.987	19.2	18.6

239867 2000 CQ_{125} 7 3.9 126°.45 0°.7/ 3.7 17

5 31	19 18.52	−23 32.9	2.135	2.998	12.1	21.0
6 10	19 12.76	−23 58.1	2.068	3.007	8.9	20.8
6 20	19 5.08	−24 25.1	2.026	3.016	5.3	20.6
6 30	18 56.16	−24 51.1	2.010	3.024	1.6	20.3
7 10	18 46.90	−25 13.8	2.022	3.033	2.6	20.4
7 20	18 38.24	−25 31.7	2.062	3.041	6.2	20.7
7 30	18 31.03	−25 44.4	2.128	3.049	9.6	20.9
8 9	18 25.88	−25 52.6	2.216	3.056	12.5	21.1

445265 2009 SZ_{97} 7 3.9 156°.03 4°.4/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 12.89	− 6 42.5	3.040	3.858	10.0	21.5
6 10	19 8.06	− 6 15.4	2.965	3.862	8.1	21.4
6 20	19 2.05	− 5 56.9	2.914	3.866	6.1	21.2
6 30	18 55.29	− 5 47.8	2.890	3.870	4.6	21.1
7 10	18 48.32	− 5 48.3	2.894	3.874	4.6	21.1
7 20	18 41.69	− 5 57.8	2.925	3.877	6.0	21.2
7 30	18 35.92	− 6 15.2	2.982	3.880	8.0	21.4
8 9	18 31.43	− 6 38.8	3.064	3.883	9.9	21.5

398808 2013 BT_{37} 7 3.9 150°.90 0°.5/ 4.0 14 C

5 31	19 16.53	−20 34.7	2.436	3.293	11.0	22.5
6 10	19 11.08	−20 43.9	2.363	3.298	8.1	22.3
6 20	19 4.00	−20 56.0	2.315	3.303	4.9	22.1
6 30	18 55.86	−21 9.7	2.293	3.307	1.5	21.9
7 10	18 47.43	−21 23.5	2.300	3.312	2.2	22.0
7 20	18 39.48	−21 36.2	2.336	3.316	5.5	22.2
7 30	18 32.73	−21 47.4	2.398	3.319	8.7	22.4
8 9	18 27.74	−21 56.9	2.483	3.323	11.4	22.6

137382 1999 TF_{150} 7 3.9 310°.26 1°.6/ 3.5 18

5 31	19 18.03	−24 8.8	1.314	2.203	16.5	19.5
6 10	19 13.75	−24 43.2	1.237	2.188	12.4	19.2
6 20	19 6.36	−25 22.4	1.179	2.173	7.6	18.9
6 30	18 56.67	−26 1.6	1.145	2.159	2.5	18.5
7 10	18 46.05	−26 36.0	1.134	2.145	4.0	18.6
7 20	18 36.06	−27 1.9	1.147	2.131	9.3	18.9
7 30	18 28.25	−27 18.5	1.182	2.118	14.3	19.1
8 9	18 23.69	−27 26.8	1.236	2.106	18.6	19.3

385236 2000 SF_{258} 7 3.9 269°.71 4°.7/ 2.6 18

5 31	19 21.44	−32 44.0	1.868	2.733	13.4	21.2
6 10	19 15.73	−33 37.1	1.780	2.714	10.4	21.0
6 20	19 7.32	−34 27.1	1.714	2.695	7.1	20.7
6 30	18 56.92	−35 8.3	1.674	2.675	4.8	20.6
7 10	18 45.67	−35 35.7	1.661	2.656	5.7	20.6
7 20	18 34.89	−35 46.9	1.673	2.636	8.9	20.7
7 30	18 25.89	−35 42.4	1.710	2.615	12.5	20.9
8 9	18 19.64	−35 25.7	1.767	2.595	15.7	21.1

216382 2008 BW_{43} 7 3.9 131°.25 4°.1/ 4.8 17

5 31	19 19.67	−12 19.2	1.680	2.535	15.2	21.2
6 10	19 13.90	−12 7.3	1.616	2.543	11.7	21.0
6 20	19 5.89	−12 6.4	1.574	2.551	7.9	20.8
6 30	18 56.43	−12 16.6	1.556	2.559	4.7	20.6
7 10	18 46.58	−12 36.8	1.564	2.567	4.8	20.6
7 20	18 37.45	−13 4.9	1.598	2.574	8.0	20.8
7 30	18 30.03	−13 38.6	1.657	2.581	11.7	21.1
8 9	18 25.02	−14 15.3	1.737	2.587	15.0	21.3

152332 2005 UC_{30} 7 3.9 239°.01 2°.5/ 3.1 18

5 31	19 17.11	−29 10.0	2.414	3.275	10.9	19.9
6 10	19 11.75	−29 47.6	2.334	3.270	8.2	19.7
6 20	19 4.53	−30 23.9	2.279	3.265	5.2	19.5
6 30	18 56.05	−30 55.4	2.251	3.259	2.8	19.3
7 10	18 47.13	−31 19.5	2.251	3.254	3.5	19.4
7 20	18 38.64	−31 34.7	2.278	3.248	6.4	19.5
7 30	18 31.45	−31 41.0	2.332	3.242	9.4	19.7
8 9	18 26.18	−31 39.8	2.408	3.236	12.0	19.9

519758 2013 DJ_{17} 7 3.9 116°.12 0°.0/ 3.9 18

5 31	19 16.29	−22 54.5	2.393	3.254	11.0	21.6
6 10	19 10.93	−22 58.8	2.322	3.260	8.1	21.5
6 20	19 3.91	−23 4.4	2.276	3.265	4.9	21.3
6 30	18 55.84	−23 9.8	2.256	3.271	1.4	21.0
7 10	18 47.50	−23 13.6	2.265	3.276	2.2	21.1
7 20	18 39.66	−23 15.2	2.301	3.281	5.6	21.3
7 30	18 33.08	−23 14.6	2.364	3.286	8.7	21.5
8 9	18 28.30	−23 12.2	2.450	3.291	11.4	21.7

312929 2011 WM_{60} 7 3.9 154°.50 1°.6/ 4.3 18

5 31	19 15.44	−17 17.2	2.607	3.458	10.5	22.1
6 10	19 10.16	−17 13.2	2.533	3.463	7.9	22.0
6 20	19 3.40	−17 13.6	2.483	3.467	5.0	21.8
6 30	18 55.70	−17 17.6	2.460	3.471	2.2	21.6
7 10	18 47.74	−17 24.6	2.466	3.475	2.5	21.6
7 20	18 40.21	−17 33.6	2.500	3.478	5.4	21.8
7 30	18 33.77	−17 44.0	2.561	3.482	8.2	22.0
8 9	18 28.92	−17 55.3	2.646	3.485	10.8	22.2

466580 2014 UD_{68} 7 3.9 259°.19 3°.0/ 4.4 17

5 31	19 19.75	−15 49.4	1.450	2.320	16.3	21.5
6 10	19 14.58	−15 44.9	1.371	2.310	12.5	21.2
6 20	19 6.65	−15 50.2	1.312	2.298	8.1	21.0
6 30	18 56.74	−16 4.6	1.277	2.287	3.8	20.7
7 10	18 46.06	−16 26.5	1.266	2.275	4.2	20.7
7 20	18 35.98	−16 53.5	1.281	2.263	8.7	20.9
7 30	18 27.81	−17 23.7	1.319	2.251	13.4	21.1
8 9	18 22.49	−17 55.0	1.377	2.239	17.5	21.4

40213 1998 SQ_{58} 7 3.9 346°.94 7°.2/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 12.87	− 1 46.4	2.159	2.974	13.7	18.5
6 10	19 8.54	− 1 17.1	2.085	2.972	11.4	18.4
6 20	19 2.56	− 1 3.3	2.032	2.969	9.2	18.2
6 30	18 55.50	− 1 6.8	2.002	2.967	7.5	18.1
7 10	18 48.08	− 1 28.0	1.998	2.965	7.4	18.1
7 20	18 41.08	− 2 5.5	2.019	2.964	8.8	18.2
7 30	18 35.25	− 2 56.4	2.064	2.962	11.0	18.3
8 9	18 31.15	− 3 56.7	2.131	2.961	13.3	18.5

491756 2012 VM_{85} 7 3.9 281°.71 0°.1/ 3.9 18

5 31	19 17.29	−21 27.8	1.876	2.745	13.2	21.9
6 10	19 12.26	−21 41.9	1.793	2.734	9.9	21.7
6 20	19 5.02	−21 59.9	1.733	2.723	6.0	21.4
6 30	18 56.24	−22 19.7	1.698	2.713	1.7	21.1
7 10	18 46.89	−22 38.9	1.690	2.702	2.7	21.2
7 20	18 38.04	−22 55.9	1.709	2.691	7.0	21.4
7 30	18 30.71	−23 9.9	1.752	2.680	10.9	21.6
8 9	18 25.67	−23 20.8	1.818	2.670	14.3	21.8

506513 2004 RV_{133} 7 3.9 232°.42 0°.4/ 4.0 17

5 31	19 18.79	−20 38.8	1.957	2.821	13.0	22.2
6 10	19 13.26	−20 52.2	1.874	2.813	9.7	21.9
6 20	19 5.57	−21 9.8	1.815	2.804	5.9	21.7
6 30	18 56.39	−21 29.7	1.781	2.796	1.8	21.4
7 10	18 46.67	−21 49.6	1.775	2.787	2.6	21.5
7 20	18 37.45	−22 7.8	1.796	2.778	6.8	21.7
7 30	18 29.71	−22 23.5	1.843	2.768	10.6	21.9
8 9	18 24.21	−22 36.7	1.912	2.758	14.0	22.1

114759 2003 HS_{46} 7 3.9 5°.34 10°.2/ 5.0 18

5 31	19 11.08	− 6 3.5	1.095	1.973	19.9	18.0
6 10	19 8.36	− 4 37.5	1.043	1.972	16.4	17.7
6 20	19 2.90	− 3 31.4	1.008	1.974	12.9	17.6
6 30	18 55.65	− 2 51.1	0.993	1.977	10.5	17.4
7 10	18 47.92	− 2 39.8	0.999	1.982	10.5	17.5
7 20	18 41.07	− 2 56.4	1.024	1.989	12.9	17.6
7 30	18 36.31	− 3 36.4	1.069	1.997	16.2	17.8
8 9	18 34.43	− 4 32.5	1.131	2.008	19.5	18.1

263425 2008 DB_{57} 7 3.9 95°.60 11°.9/ 9.1 16

5 31	19 13.99	+15 10.8	2.377	3.081	15.5	20.8
6 10	19 9.21	+16 4.5	2.318	3.088	14.2	20.7
6 20	19 2.90	+16 35.1	2.276	3.095	13.0	20.6
6 30	18 55.59	+16 39.1	2.255	3.102	12.2	20.6
7 10	18 48.01	+16 15.3	2.254	3.109	11.9	20.5
7 20	18 40.89	+15 24.9	2.275	3.116	12.3	20.6
7 30	18 34.90	+14 11.6	2.317	3.123	13.2	20.7
8 9	18 30.57	+12 40.8	2.379	3.130	14.3	20.8

497307 2005 SP_{291} 7 3.9 276°.23 4°.7/ 4.9 17

5 31	19 17.11	−11 14.4	1.652	2.509	15.3	21.6
6 10	19 12.28	−11 2.7	1.571	2.498	12.0	21.4
6 20	19 5.11	−11 3.3	1.511	2.487	8.3	21.2
6 30	18 56.29	−11 17.0	1.475	2.477	5.2	20.9
7 10	18 46.86	−11 42.9	1.464	2.466	5.3	20.9
7 20	18 37.92	−12 19.1	1.479	2.455	8.5	21.1
7 30	18 30.58	−13 2.5	1.518	2.445	12.4	21.3
8 9	18 25.65	−13 50.1	1.578	2.434	15.9	21.5

491366 2012 BF_{44} 7 3.9 108°.11 1°.7/ 3.7 17

5 31	19 24.01	−26 34.1	1.546	2.418	15.4	22.0
6 10	19 17.36	−26 43.8	1.490	2.432	11.4	21.8
6 20	19 8.05	−26 52.0	1.455	2.446	6.9	21.6
6 30	18 57.07	−26 55.2	1.445	2.459	2.5	21.3
7 10	18 45.78	−26 51.1	1.462	2.472	3.5	21.4
7 20	18 35.52	−26 39.5	1.504	2.484	8.0	21.7
7 30	18 27.45	−26 22.1	1.571	2.496	12.1	22.0
8 9	18 22.27	−26 1.3	1.658	2.508	15.6	22.2

183835 2004 BG_{105} 7 3.9 138°.38 1°.3/ 3.7 17

5 31	19 22.32	−26 10.5	1.633	2.504	14.7	20.3
6 10	19 16.11	−26 12.4	1.567	2.509	10.9	20.1
6 20	19 7.33	−26 13.1	1.522	2.513	6.6	19.8
6 30	18 56.89	−26 9.5	1.503	2.517	2.2	19.5
7 10	18 46.04	−25 59.9	1.511	2.521	3.3	19.6
7 20	18 36.05	−25 44.1	1.544	2.525	7.7	19.9
7 30	18 28.08	−25 23.6	1.602	2.528	11.8	20.2
8 9	18 22.85	−25 0.6	1.681	2.531	15.4	20.4

504775 2009 WO_{263} 7 3.9 201°.55 8°.5/ 4.2 18

5 31	19 19.35	− 3 13.0	1.955	2.770	14.9	20.7
6 10	19 13.44	− 1 44.6	1.882	2.768	12.5	20.5
6 20	19 5.56	− 0 28.8	1.831	2.766	10.1	20.4
6 30	18 56.38	+ 0 30.0	1.804	2.763	8.7	20.3
7 10	18 46.80	+ 1 8.9	1.803	2.760	8.8	20.3
7 20	18 37.75	+ 1 27.0	1.827	2.757	10.5	20.4
7 30	18 30.12	+ 1 25.5	1.875	2.753	12.9	20.5
8 9	18 24.56	+ 1 7.9	1.943	2.749	15.3	20.7

24627 1981 DT_{3} 7 3.9 291°.16 0°.7/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 17.69	−25 32.2	2.149	3.014	11.9	18.7
6 10	19 12.31	−25 22.3	2.061	3.000	8.9	18.5
6 20	19 4.93	−25 11.0	1.996	2.986	5.4	18.2
6 30	18 56.22	−24 56.9	1.958	2.972	1.6	17.9
7 10	18 47.05	−24 38.9	1.948	2.959	2.5	18.0
7 20	18 38.39	−24 17.2	1.964	2.945	6.4	18.2
7 30	18 31.13	−23 52.7	2.007	2.931	9.9	18.4
8 9	18 25.95	−23 26.9	2.073	2.918	13.1	18.6

436238 2010 AW_{74} 7 3.9 213°.80 1°.3/ 3.5 18

5 31	19 20.02	−24 23.0	2.109	2.970	12.3	21.6
6 10	19 14.13	−25 2.8	2.027	2.964	9.1	21.4
6 20	19 6.10	−25 45.0	1.968	2.957	5.5	21.2
6 30	18 56.57	−26 26.1	1.936	2.950	1.9	20.9
7 10	18 46.48	−27 2.6	1.933	2.942	2.9	21.0
7 20	18 36.84	−27 32.4	1.957	2.934	6.7	21.2
7 30	18 28.64	−27 54.6	2.007	2.925	10.3	21.4
8 9	18 22.63	−28 9.9	2.080	2.915	13.4	21.6

106129 2000 TM_{38} 7 3.9 265°.88 1°.7/ 4.5 18

5 31	19 15.53	−15 56.3	2.233	3.088	11.9	19.6
6 10	19 10.62	−16 18.1	2.146	3.078	9.0	19.4
6 20	19 3.91	−16 47.6	2.083	3.067	5.7	19.2
6 30	18 55.94	−17 23.5	2.046	3.057	2.4	18.9
7 10	18 47.49	−18 3.6	2.037	3.046	2.7	19.0
7 20	18 39.40	−18 45.7	2.055	3.036	6.1	19.2
7 30	18 32.50	−19 27.7	2.100	3.025	9.5	19.3
8 9	18 27.44	−20 8.1	2.169	3.015	12.5	19.5

49359 1998 WB_{15} 7 3.9 278°.44 1°.4/ 3.5 18

5 31	19 17.76	−24 33.3	1.919	2.789	12.9	19.4
6 10	19 12.62	−25 11.8	1.841	2.783	9.6	19.2
6 20	19 5.26	−25 53.0	1.786	2.777	5.8	18.9
6 30	18 56.34	−26 33.0	1.757	2.770	2.1	18.7
7 10	18 46.86	−27 8.6	1.754	2.764	3.1	18.7
7 20	18 37.89	−27 37.1	1.779	2.757	7.1	19.0
7 30	18 30.46	−27 57.8	1.828	2.751	10.8	19.2
8 9	18 25.33	−28 11.4	1.899	2.744	14.1	19.4

106911 2000 YH_{49} 7 3.9 122°.95 0°.3/ 3.9 17

5 31	19 22.53	−24 10.0	1.527	2.401	15.4	19.4
6 10	19 16.35	−24 2.0	1.463	2.407	11.5	19.1
6 20	19 7.52	−23 54.2	1.421	2.412	6.9	18.9
6 30	18 56.96	−23 44.3	1.403	2.418	2.0	18.6
7 10	18 46.00	−23 31.1	1.411	2.423	3.1	18.7
7 20	18 35.97	−23 14.4	1.445	2.428	7.9	19.0
7 30	18 28.04	−22 55.6	1.503	2.432	12.3	19.2
8 9	18 22.96	−22 36.4	1.582	2.437	15.9	19.5

376923 2002 BY_{27} 7 3.9 175°.70 0°.7/ 3.7 18

5 31	19 20.33	−23 35.1	2.473	3.326	11.0	22.5
6 10	19 13.97	−24 5.6	2.396	3.329	8.1	22.3
6 20	19 5.81	−24 37.8	2.344	3.332	4.9	22.1
6 30	18 56.46	−25 9.1	2.319	3.333	1.5	21.8
7 10	18 46.73	−25 36.9	2.324	3.334	2.4	21.9
7 20	18 37.46	−25 59.7	2.358	3.335	5.8	22.1
7 30	18 29.45	−26 17.1	2.420	3.334	8.9	22.3
8 9	18 23.32	−26 29.5	2.505	3.333	11.6	22.5

307201 2002 FO_{12} 7 3.9 129°.38 5°.8/ 6.0 18

5 31	19 14.13	− 2 16.2	2.687	3.489	11.6	21.3
6 10	19 9.11	− 1 57.3	2.619	3.499	9.6	21.1
6 20	19 2.75	− 1 51.0	2.574	3.509	7.6	21.0
6 30	18 55.57	− 1 58.4	2.555	3.519	6.1	20.9
7 10	18 48.16	− 2 19.2	2.562	3.529	6.0	21.0
7 20	18 41.15	− 2 52.1	2.596	3.538	7.2	21.0
7 30	18 35.13	− 3 34.8	2.656	3.547	9.1	21.2
8 9	18 30.56	− 4 24.6	2.740	3.556	11.0	21.3

486676 2013 TX_{25} 7 3.9 205°.23 19°.2/ 6.8 18

5 31	19 20.57	+10 45.6	1.117	1.911	24.9	21.6
6 10	19 15.58	+12 53.2	1.065	1.910	22.8	21.4
6 20	19 7.43	+14 26.1	1.026	1.908	20.8	21.3
6 30	18 57.04	+15 13.0	1.003	1.905	19.5	21.2
7 10	18 45.87	+15 7.6	0.997	1.903	19.3	21.2
7 20	18 35.50	+14 10.5	1.007	1.900	20.3	21.2
7 30	18 27.45	+12 29.2	1.035	1.896	22.1	21.3
8 9	18 22.72	+10 16.6	1.076	1.893	24.3	21.5

506600 2006 AJ_{41} 7 3.9 224°.61 4°.6/ 2.5 17

5 31	19 22.43	−33 35.0	2.092	2.949	12.5	21.4
6 10	19 16.17	−34 29.5	2.011	2.940	9.7	21.2
6 20	19 7.46	−35 20.1	1.954	2.930	6.7	21.0
6 30	18 57.02	−36 1.2	1.923	2.921	4.7	20.9
7 10	18 45.91	−36 28.6	1.919	2.910	5.5	20.9
7 20	18 35.33	−36 40.5	1.942	2.899	8.2	21.0
7 30	18 26.41	−36 37.6	1.990	2.888	11.3	21.2
8 9	18 19.99	−36 23.0	2.060	2.876	14.2	21.4

409757 2006 DJ_{90} 7 3.9 169°.36 1°.3/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 23.36	−24 56.6	1.562	2.433	15.3	22.3
6 10	19 17.08	−25 18.5	1.494	2.436	11.4	22.1
6 20	19 8.06	−25 41.5	1.448	2.439	6.9	21.9
6 30	18 57.17	−26 1.7	1.427	2.441	2.3	21.6
7 10	18 45.74	−26 15.9	1.432	2.442	3.5	21.7
7 20	18 35.14	−26 22.4	1.463	2.443	8.1	21.9
7 30	18 26.62	−26 22.0	1.518	2.444	12.4	22.2
8 9	18 21.01	−26 16.2	1.594	2.444	16.1	22.4

291965 2006 QY_{59} 7 3.9 319°.51 3°.9/ 4.6 18

5 31	19 13.81	−14 37.3	1.158	2.048	18.1	19.8
6 10	19 10.94	−14 32.1	1.069	2.018	14.1	19.5
6 20	19 4.93	−14 40.9	0.999	1.989	9.4	19.1
6 30	18 56.43	−15 4.5	0.950	1.960	4.8	18.8
7 10	18 46.70	−15 41.6	0.923	1.933	5.1	18.7
7 20	18 37.33	−16 29.0	0.918	1.906	10.3	18.9
7 30	18 30.00	−17 22.7	0.933	1.880	15.8	19.1
8 9	18 26.00	−18 18.5	0.965	1.856	20.8	19.3

347114 2010 JS_{76} 7 3.9 149°.24 3°.8/ 4.6 17

5 31	19 17.28	−12 47.6	2.145	2.991	12.7	21.3
6 10	19 11.77	−12 18.7	2.073	2.996	9.8	21.1
6 20	19 4.51	−11 57.3	2.025	3.000	6.7	20.9
6 30	18 56.11	−11 44.2	2.002	3.003	4.2	20.8
7 10	18 47.42	−11 39.3	2.007	3.007	4.3	20.8
7 20	18 39.25	−11 42.2	2.039	3.010	6.9	21.0
7 30	18 32.41	−11 51.8	2.097	3.014	10.0	21.1
8 9	18 27.45	−12 6.6	2.177	3.016	12.7	21.3

222070 1999 GV_{11} 7 3.9 208°.41 0°.9/ 4.1 18

5 31	19 19.62	−19 55.8	2.038	2.897	12.7	21.4
6 10	19 13.77	−20 0.3	1.957	2.892	9.5	21.2
6 20	19 5.85	−20 8.7	1.899	2.887	5.8	21.0
6 30	18 56.54	−20 19.6	1.868	2.881	1.9	20.7
7 10	18 46.75	−20 31.3	1.864	2.875	2.6	20.7
7 20	18 37.47	−20 42.6	1.888	2.868	6.6	21.0
7 30	18 29.64	−20 52.8	1.937	2.861	10.3	21.2
8 9	18 23.95	−21 1.9	2.010	2.853	13.5	21.4

272530 2005 UG_{284} 7 3.9 130°.50 0°.8/ 4.1 17

5 31	19 19.83	−19 35.8	1.888	2.750	13.5	21.6
6 10	19 13.93	−19 49.3	1.822	2.759	10.0	21.4
6 20	19 5.92	−20 7.6	1.780	2.769	6.1	21.1
6 30	18 56.54	−20 28.8	1.764	2.778	2.0	20.9
7 10	18 46.81	−20 50.7	1.775	2.786	2.7	21.0
7 20	18 37.74	−21 11.4	1.813	2.794	6.7	21.2
7 30	18 30.28	−21 30.1	1.877	2.802	10.4	21.5
8 9	18 25.09	−21 46.6	1.963	2.809	13.6	21.7

144346 2004 DH_{35} 7 3.9 78°.45 3°.3/ 4.4 17

5 31	19 19.60	−15 51.5	1.513	2.381	15.9	19.5
6 10	19 14.07	−15 27.2	1.453	2.390	12.0	19.3
6 20	19 6.12	−15 11.0	1.413	2.398	7.8	19.1
6 30	18 56.61	−15 3.0	1.398	2.407	4.0	18.9
7 10	18 46.73	−15 2.5	1.408	2.416	4.3	18.9
7 20	18 37.69	−15 8.7	1.444	2.424	8.2	19.2
7 30	18 30.55	−15 20.1	1.503	2.433	12.2	19.4
8 9	18 26.03	−15 35.3	1.583	2.441	15.8	19.7

128851 2004 SB_{15} 7 3.9 197°.27 1°.0/ 3.6 18

5 31	19 15.91	−24 53.1	2.847	3.703	9.6	20.7
6 10	19 10.58	−25 21.5	2.766	3.701	7.1	20.6
6 20	19 3.76	−25 50.7	2.710	3.698	4.3	20.4
6 30	18 55.93	−26 18.6	2.682	3.695	1.5	20.2
7 10	18 47.77	−26 43.1	2.683	3.692	2.2	20.2
7 20	18 39.96	−27 3.1	2.712	3.688	5.1	20.4
7 30	18 33.17	−27 18.0	2.769	3.684	7.9	20.6
8 9	18 27.94	−27 28.3	2.850	3.680	10.3	20.8

413391 2004 RZ_{152} 7 3.9 264°.96 1°.5/ 4.1 17

5 31	19 21.41	−20 28.1	1.405	2.282	16.4	21.2
6 10	19 15.95	−20 8.6	1.327	2.271	12.3	20.9
6 20	19 7.56	−19 52.5	1.269	2.260	7.6	20.6
6 30	18 57.11	−19 38.9	1.235	2.249	2.7	20.3
7 10	18 45.92	−19 26.9	1.226	2.237	3.6	20.3
7 20	18 35.44	−19 16.2	1.241	2.225	8.8	20.6
7 30	18 27.05	−19 7.3	1.280	2.214	13.6	20.8
8 9	18 21.69	−19 0.7	1.339	2.202	17.8	21.1

60666 2000 FT_{73} 7 3.9 188°.36 2°.8/ 4.9 18

5 31	19 19.71	−12 50.6	1.975	2.821	13.6	20.0
6 10	19 13.86	−13 16.0	1.896	2.821	10.4	19.8
6 20	19 5.94	−13 52.5	1.840	2.820	6.8	19.6
6 30	18 56.59	−14 38.8	1.811	2.818	3.5	19.4
7 10	18 46.74	−15 32.1	1.809	2.816	3.6	19.4
7 20	18 37.35	−16 29.2	1.835	2.813	7.0	19.6
7 30	18 29.39	−17 27.0	1.887	2.810	10.6	19.8
8 9	18 23.57	−18 23.2	1.962	2.806	13.8	20.0

7812 Billward 7 3.9 224°.28 5°.6/ 4.7 18

5 31	19 16.97	− 6 22.9	2.513	3.330	11.9	18.1
6 10	19 11.42	− 5 38.0	2.424	3.320	9.7	18.0
6 20	19 4.29	− 5 2.5	2.359	3.309	7.4	17.8
6 30	18 56.10	− 4 38.2	2.320	3.297	5.8	17.7
7 10	18 47.52	− 4 26.1	2.308	3.285	5.9	17.7
7 20	18 39.29	− 4 26.3	2.324	3.273	7.6	17.8
7 30	18 32.11	− 4 37.6	2.366	3.260	9.9	17.9
8 9	18 26.55	− 4 58.1	2.430	3.246	12.3	18.0

139173 2001 FW_{129} 7 3.9 87°.07 4°.3/ 4.8 17

5 31	19 19.86	−12 52.7	1.495	2.357	16.3	20.5
6 10	19 14.24	−12 34.2	1.439	2.371	12.6	20.3
6 20	19 6.20	−12 27.3	1.404	2.384	8.4	20.1
6 30	18 56.65	−12 32.1	1.392	2.397	4.9	19.9
7 10	18 46.75	−12 47.5	1.406	2.410	5.0	20.0
7 20	18 37.71	−13 11.5	1.445	2.422	8.5	20.2
7 30	18 30.59	−13 41.7	1.507	2.435	12.3	20.5
8 9	18 26.07	−14 15.4	1.590	2.447	15.8	20.7

70741 1999 VO_{18} 7 3.9 223°.00 0°.4/ 3.9 18

5 31	19 18.84	−23 25.1	1.931	2.798	13.0	19.3
6 10	19 13.32	−23 33.2	1.855	2.795	9.6	19.1
6 20	19 5.63	−23 42.9	1.802	2.792	5.8	18.9
6 30	18 56.50	−23 51.9	1.774	2.789	1.7	18.6
7 10	18 46.92	−23 58.3	1.774	2.786	2.7	18.7
7 20	18 37.92	−24 1.2	1.801	2.782	6.8	18.9
7 30	18 30.49	−24 0.6	1.853	2.779	10.5	19.1
8 9	18 25.33	−23 57.2	1.927	2.775	13.8	19.3

456023 2005 YB_{88} 7 3.9 33°.12 0°.6/ 4.1 17

5 31	19 18.42	−19 45.9	1.059	1.955	18.9	20.2
6 10	19 14.10	−20 11.0	1.009	1.964	14.1	20.0
6 20	19 6.54	−20 45.2	0.978	1.973	8.5	19.7
6 30	18 56.80	−21 24.7	0.968	1.983	2.6	19.4
7 10	18 46.53	−22 4.7	0.981	1.994	3.7	19.5
7 20	18 37.39	−22 41.1	1.016	2.005	9.4	19.9
7 30	18 30.84	−23 12.0	1.073	2.017	14.5	20.2
8 9	18 27.73	−23 36.9	1.147	2.030	18.8	20.5

74245 1998 SO_{59} 7 3.9 130°.92 6°.1/ 2.6 18

5 31	19 24.69	−36 1.6	1.695	2.557	14.7	17.8
6 10	19 18.18	−36 59.9	1.635	2.564	11.5	17.6
6 20	19 8.78	−37 50.5	1.597	2.570	8.3	17.4
6 30	18 57.43	−38 26.3	1.583	2.576	6.2	17.3
7 10	18 45.54	−38 42.8	1.595	2.582	6.9	17.4
7 20	18 34.59	−38 39.0	1.633	2.588	9.7	17.6
7 30	18 25.88	−38 17.6	1.694	2.593	12.9	17.8
8 9	18 20.24	−37 43.7	1.775	2.598	15.8	18.0

466551 2014 SN_{310} 7 3.9 287°.25 3°.8/ 4.4 17

5 31	19 19.15	−15 38.1	1.337	2.213	17.1	21.9
6 10	19 14.46	−15 11.9	1.253	2.194	13.2	21.6
6 20	19 6.81	−14 54.3	1.189	2.175	8.7	21.3
6 30	18 56.96	−14 46.1	1.147	2.156	4.5	21.0
7 10	18 46.17	−14 47.1	1.130	2.137	5.0	20.9
7 20	18 35.93	−14 56.5	1.136	2.118	9.6	21.1
7 30	18 27.68	−15 12.9	1.164	2.099	14.5	21.4
8 9	18 22.48	−15 34.5	1.212	2.081	18.9	21.6

185309 2006 UN_{291} 7 3.9 236°.64 1°.7/ 3.5 18

5 31	19 21.32	−25 10.4	1.796	2.663	13.8	20.6
6 10	19 15.52	−25 49.2	1.712	2.653	10.3	20.3
6 20	19 7.18	−26 30.5	1.652	2.642	6.3	20.1
6 30	18 57.01	−27 9.9	1.617	2.630	2.4	19.8
7 10	18 46.13	−27 43.5	1.609	2.618	3.5	19.9
7 20	18 35.75	−28 8.6	1.628	2.606	7.7	20.1
7 30	18 27.08	−28 24.7	1.672	2.593	11.8	20.3
8 9	18 21.00	−28 32.9	1.737	2.580	15.3	20.5

314135 2005 EC_{187} 7 3.9 53°.85 1°.2/ 4.1 17

5 31	19 20.24	−19 56.2	1.265	2.149	17.3	20.9
6 10	19 14.90	−19 55.5	1.216	2.164	12.9	20.7
6 20	19 6.74	−20 1.1	1.188	2.180	7.8	20.4
6 30	18 56.82	−20 10.6	1.182	2.196	2.6	20.1
7 10	18 46.58	−20 21.8	1.200	2.212	3.4	20.3
7 20	18 37.44	−20 33.0	1.243	2.229	8.5	20.6
7 30	18 30.60	−20 43.5	1.308	2.246	13.0	20.9
8 9	18 26.79	−20 53.0	1.393	2.263	16.9	21.2

33207 1998 FU_{64} 7 3.9 58°.97 5°.7/ 5.5 18

5 31	19 14.96	− 6 54.0	2.010	2.846	13.8	17.9
6 10	19 10.13	− 6 30.4	1.949	2.858	11.0	17.7
6 20	19 3.56	− 6 19.9	1.910	2.869	8.2	17.6
6 30	18 55.89	− 6 23.6	1.895	2.881	6.1	17.5
7 10	18 47.96	− 6 41.1	1.906	2.893	5.9	17.5
7 20	18 40.60	− 7 10.7	1.943	2.905	7.9	17.6
7 30	18 34.56	− 7 49.8	2.005	2.917	10.6	17.8
8 9	18 30.41	− 8 35.1	2.089	2.930	13.1	18.0

499259 2009 VU_{23} 7 3.9 156°.60 2°.4/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 21.68	−28 42.2	2.214	3.071	11.9	22.4
6 10	19 15.18	−29 11.3	2.145	3.079	8.9	22.2
6 20	19 6.65	−29 38.3	2.100	3.086	5.6	22.0
6 30	18 56.79	−29 59.7	2.082	3.092	2.7	21.8
7 10	18 46.57	−30 13.0	2.093	3.098	3.5	21.9
7 20	18 36.98	−30 17.3	2.131	3.103	6.6	22.1
7 30	18 28.92	−30 13.2	2.196	3.107	9.8	22.3
8 9	18 23.04	−30 2.7	2.283	3.111	12.6	22.5

105466 2000 QP_{207} 7 3.9 228°.76 4°.4/ 5.2 18

5 31	19 14.67	− 6 53.5	2.940	3.756	10.4	20.9
6 10	19 9.57	− 6 39.3	2.846	3.743	8.3	20.7
6 20	19 3.14	− 6 34.1	2.776	3.730	6.2	20.6
6 30	18 55.79	− 6 38.8	2.732	3.716	4.6	20.4
7 10	18 48.11	− 6 53.2	2.717	3.701	4.6	20.4
7 20	18 40.68	− 7 16.6	2.729	3.686	6.2	20.5
7 30	18 34.11	− 7 47.4	2.769	3.670	8.4	20.6
8 9	18 28.88	− 8 23.8	2.833	3.654	10.6	20.7

460453 2014 SV_{218} 7 3.9 47°.15 4°.8/ 2.3 17

5 31	19 21.74	−27 59.5	1.310	2.194	16.8	19.9
6 10	19 16.56	−29 38.8	1.253	2.200	12.6	19.7
6 20	19 8.10	−31 20.5	1.218	2.207	8.2	19.4
6 30	18 57.32	−32 55.0	1.206	2.213	4.9	19.2
7 10	18 45.73	−34 13.4	1.220	2.220	6.3	19.3
7 20	18 35.03	−35 10.7	1.257	2.227	10.4	19.6
7 30	18 26.78	−35 46.4	1.317	2.234	14.6	19.9
8 9	18 21.99	−36 4.0	1.395	2.242	18.2	20.1

871 Amneris 7 3.9 45°.51 3°.4/ 4.6 18 R

5 31	19 18.91	−15 8.5	1.136	2.021	18.8	15.4
6 10	19 14.19	−15 7.8	1.086	2.032	14.3	15.1
6 20	19 6.47	−15 20.2	1.054	2.043	9.2	14.9
6 30	18 56.79	−15 44.4	1.043	2.054	4.4	14.6
7 10	18 46.65	−16 17.5	1.056	2.066	4.6	14.7
7 20	18 37.57	−16 55.9	1.092	2.078	9.4	15.0
7 30	18 30.88	−17 36.3	1.150	2.091	14.1	15.3
8 9	18 27.38	−18 16.0	1.226	2.104	18.2	15.6

219917 2002 GP_{26} 7 3.9 289°.18 4°.4/ 2.6 18

5 31	19 18.30	−34 26.1	2.265	3.125	11.6	19.8
6 10	19 12.94	−35 10.6	2.186	3.115	9.0	19.6
6 20	19 5.45	−35 50.4	2.130	3.106	6.3	19.4
6 30	18 56.49	−36 21.1	2.100	3.097	4.5	19.3
7 10	18 47.02	−36 39.4	2.097	3.088	5.2	19.3
7 20	18 38.04	−36 43.9	2.121	3.079	7.6	19.4
7 30	18 30.53	−36 35.6	2.170	3.070	10.4	19.6
8 9	18 25.22	−36 16.9	2.240	3.061	13.1	19.7

227700 2006 DV_{65} 7 3.9 177°.54 3°.4/ 4.8 18

5 31	19 17.90	−12 10.0	2.191	3.033	12.6	21.2
6 10	19 12.29	−12 4.8	2.115	3.035	9.7	21.0
6 20	19 4.88	−12 8.5	2.061	3.036	6.6	20.8
6 30	18 56.30	−12 21.1	2.035	3.037	3.9	20.6
7 10	18 47.36	−12 41.4	2.035	3.037	4.0	20.6
7 20	18 38.88	−13 8.1	2.064	3.037	6.7	20.8
7 30	18 31.68	−13 39.4	2.118	3.036	9.8	21.0
8 9	18 26.36	−14 13.2	2.196	3.035	12.7	21.2

245569 2005 UY_{153} 7 3.9 311°.11 0°.1/ 3.9 18

5 31	19 15.78	−22 42.1	1.966	2.837	12.6	20.3
6 10	19 11.14	−22 49.5	1.879	2.821	9.4	20.0
6 20	19 4.41	−22 59.3	1.814	2.805	5.7	19.8
6 30	18 56.21	−23 9.5	1.775	2.790	1.6	19.5
7 10	18 47.47	−23 18.4	1.763	2.774	2.6	19.5
7 20	18 39.17	−23 24.8	1.777	2.759	6.7	19.8
7 30	18 32.29	−23 28.2	1.816	2.745	10.5	20.0
8 9	18 27.56	−23 29.1	1.877	2.731	13.9	20.1

165254 2000 SC_{205} 7 3.9 246°.47 3°.6/ 4.6 17

5 31	19 19.81	−14 25.8	1.565	2.428	15.7	21.0
6 10	19 14.47	−14 12.0	1.485	2.419	12.1	20.7
6 20	19 6.57	−14 7.9	1.426	2.409	8.0	20.4
6 30	18 56.86	−14 13.6	1.391	2.398	4.3	20.2
7 10	18 46.47	−14 28.1	1.381	2.388	4.5	20.2
7 20	18 36.64	−14 49.8	1.397	2.377	8.5	20.4
7 30	18 28.59	−15 16.8	1.437	2.366	12.8	20.6
8 9	18 23.18	−15 46.9	1.497	2.354	16.6	20.8

24699 Schwekendiek 7 3.9 286°.04 2°.6/ 4.3 18

5 31	19 18.54	−16 51.9	1.611	2.480	15.0	19.4
6 10	19 13.64	−16 40.5	1.518	2.457	11.5	19.2
6 20	19 6.17	−16 36.2	1.447	2.433	7.4	18.9
6 30	18 56.78	−16 38.8	1.399	2.410	3.4	18.6
7 10	18 46.55	−16 47.3	1.377	2.386	3.9	18.5
7 20	18 36.72	−17 0.5	1.381	2.363	8.3	18.7
7 30	18 28.54	−17 17.1	1.408	2.339	12.8	18.9
8 9	18 22.97	−17 36.1	1.455	2.315	16.8	19.1

68249 2001 DY_{73} 7 3.9 21°.02 2°.6/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 16.42	−18 2.3	1.100	1.995	18.5	18.6
6 10	19 12.45	−17 46.8	1.049	2.002	13.9	18.3
6 20	19 5.47	−17 40.3	1.017	2.009	8.7	18.0
6 30	18 56.52	−17 41.9	1.005	2.018	3.6	17.8
7 10	18 47.12	−17 50.0	1.017	2.028	4.2	17.8
7 20	18 38.79	−18 2.7	1.051	2.039	9.3	18.2
7 30	18 32.85	−18 18.4	1.105	2.051	14.1	18.5
8 9	18 30.09	−18 35.5	1.179	2.063	18.3	18.8

161710 2006 KV_{75} 7 3.9 41°.73 2°.1/ 4.1 17

5 31	19 21.00	−19 25.2	1.370	2.247	16.6	20.0
6 10	19 15.49	−18 57.9	1.304	2.248	12.5	19.8
6 20	19 7.18	−18 35.2	1.259	2.249	7.8	19.5
6 30	18 57.01	−18 16.6	1.238	2.250	3.1	19.2
7 10	18 46.33	−18 1.8	1.241	2.251	3.8	19.3
7 20	18 36.54	−17 50.7	1.269	2.252	8.6	19.6
7 30	18 28.90	−17 43.4	1.319	2.254	13.2	19.8
8 9	18 24.23	−17 39.7	1.390	2.255	17.2	20.1

111910 2002 FU_{34} 7 3.9 86°.86 1°.2/ 4.1 17

5 31	19 21.72	−19 38.2	1.411	2.286	16.4	19.8
6 10	19 15.82	−19 40.5	1.357	2.300	12.2	19.6
6 20	19 7.26	−19 48.7	1.323	2.314	7.4	19.4
6 30	18 57.01	−20 0.6	1.314	2.328	2.5	19.1
7 10	18 46.40	−20 14.1	1.330	2.341	3.3	19.2
7 20	18 36.77	−20 27.3	1.371	2.355	8.1	19.5
7 30	18 29.30	−20 39.5	1.435	2.368	12.5	19.8
8 9	18 24.70	−20 50.6	1.520	2.381	16.2	20.1

30034 2000 DU_{76} 7 3.9 1°.51 1°.0/ 4.1 17

5 31	19 18.74	−20 43.8	1.112	2.007	18.4	18.8
6 10	19 14.39	−20 40.5	1.052	2.006	13.8	18.5
6 20	19 6.79	−20 43.2	1.011	2.005	8.4	18.2
6 30	18 56.95	−20 49.8	0.990	2.005	2.7	17.9
7 10	18 46.44	−20 57.9	0.993	2.006	3.7	17.9
7 20	18 36.94	−21 5.7	1.018	2.007	9.5	18.3
7 30	18 29.93	−21 12.6	1.065	2.009	14.7	18.6
8 9	18 26.34	−21 18.6	1.129	2.011	19.1	18.9

476381 2008 CS_{50} 7 3.9 77°.17 1°.5/ 4.5 18

5 31	19 16.65	−16 34.1	2.167	3.022	12.2	21.0
6 10	19 11.30	−16 56.9	2.109	3.041	9.1	20.8
6 20	19 4.25	−17 26.4	2.075	3.060	5.7	20.7
6 30	18 56.12	−18 0.7	2.067	3.079	2.3	20.5
7 10	18 47.75	−18 37.7	2.087	3.097	2.6	20.5
7 20	18 39.95	−19 15.1	2.135	3.116	5.9	20.8
7 30	18 33.49	−19 51.2	2.209	3.134	9.1	21.0
8 9	18 28.91	−20 25.0	2.307	3.152	11.9	21.2

45032 1999 WL_{16} 7 3.9 311°.03 2°.3/ 3.4 18

5 31	19 18.60	−25 25.3	1.332	2.220	16.4	18.8
6 10	19 14.24	−26 8.5	1.256	2.207	12.3	18.5
6 20	19 6.77	−26 55.6	1.200	2.193	7.6	18.2
6 30	18 56.99	−27 41.1	1.167	2.180	3.0	17.9
7 10	18 46.28	−28 19.6	1.158	2.168	4.4	18.0
7 20	18 36.22	−28 47.2	1.173	2.155	9.4	18.2
7 30	18 28.34	−29 3.2	1.210	2.144	14.2	18.5
8 9	18 23.72	−29 9.2	1.266	2.133	18.4	18.7

359797 2011 UN_{203} 7 3.9 151°.91 5°.4/ 4.9 18

5 31	19 15.37	− 6 44.2	2.460	3.283	12.0	20.7
6 10	19 10.20	− 6 1.1	2.387	3.287	9.6	20.5
6 20	19 3.54	− 5 27.9	2.338	3.290	7.3	20.4
6 30	18 55.92	− 5 6.2	2.314	3.293	5.7	20.3
7 10	18 48.04	− 4 56.7	2.317	3.296	5.7	20.3
7 20	18 40.59	− 4 59.1	2.347	3.299	7.3	20.4
7 30	18 34.23	− 5 12.1	2.402	3.301	9.6	20.5
8 9	18 29.47	− 5 33.6	2.481	3.303	11.9	20.7

384851 2012 SW_{15} 7 3.9 261°.49 1°.8/ 3.6 18

5 31	19 19.74	−27 33.1	1.878	2.747	13.2	20.8
6 10	19 14.10	−27 42.5	1.803	2.744	9.9	20.6
6 20	19 6.17	−27 49.9	1.751	2.741	6.1	20.4
6 30	18 56.72	−27 52.6	1.725	2.738	2.4	20.1
7 10	18 46.82	−27 48.4	1.726	2.734	3.3	20.2
7 20	18 37.58	−27 36.8	1.753	2.731	7.2	20.4
7 30	18 30.03	−27 19.0	1.805	2.728	10.9	20.6
8 9	18 24.91	−26 57.1	1.879	2.725	14.2	20.9

292967 2006 VK_{134} 7 3.9 234°.10 2°.2/ 3.4 17

5 31	19 22.11	−26 46.1	1.934	2.797	13.1	21.9
6 10	19 16.02	−27 24.5	1.847	2.784	9.9	21.7
6 20	19 7.47	−28 3.9	1.783	2.771	6.1	21.4
6 30	18 57.14	−28 39.8	1.745	2.757	2.6	21.2
7 10	18 46.10	−29 8.5	1.735	2.742	3.7	21.2
7 20	18 35.52	−29 27.6	1.752	2.727	7.5	21.4
7 30	18 26.57	−29 37.1	1.795	2.711	11.4	21.6
8 9	18 20.10	−29 38.4	1.859	2.694	14.7	21.8

318568 2005 GV_{132} 7 3.9 106°.15 5°.2/ 5.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 18.96	−10 51.8	1.519	2.377	16.4	21.4
6 10	19 13.67	−10 31.1	1.455	2.382	12.8	21.2
6 20	19 5.98	−10 23.7	1.411	2.387	8.9	20.9
6 30	18 56.68	−10 30.3	1.391	2.391	5.7	20.8
7 10	18 46.94	−10 50.1	1.396	2.396	5.7	20.8
7 20	18 37.92	−11 21.1	1.426	2.401	8.9	21.0
7 30	18 30.72	−12 0.2	1.479	2.405	12.6	21.2
8 9	18 26.09	−12 44.0	1.553	2.410	16.1	21.4

201668 2003 UG_{57} 7 3.9 246°.47 1°.7/ 4.3 18

5 31	19 17.82	−18 12.8	2.055	2.914	12.6	20.1
6 10	19 12.47	−18 4.6	1.970	2.905	9.5	19.9
6 20	19 5.13	−18 1.1	1.909	2.895	6.0	19.7
6 30	18 56.44	−18 1.5	1.874	2.886	2.4	19.4
7 10	18 47.27	−18 5.0	1.866	2.876	2.9	19.4
7 20	18 38.57	−18 10.6	1.885	2.865	6.6	19.7
7 30	18 31.24	−18 17.8	1.930	2.855	10.2	19.9
8 9	18 25.96	−18 26.0	1.998	2.844	13.4	20.1

380751 2005 SF_{145} 7 3.9 322°.79 0°.8/ 4.1 13 C

5 31	19 15.53	−20 1.0	1.285	2.175	16.7	21.3
6 10	19 11.93	−20 12.3	1.205	2.156	12.6	21.0
6 20	19 5.38	−20 31.2	1.144	2.137	7.8	20.7
6 30	18 56.61	−20 55.8	1.105	2.120	2.5	20.3
7 10	18 46.93	−21 22.9	1.090	2.102	3.5	20.3
7 20	18 37.80	−21 49.6	1.098	2.086	9.0	20.6
7 30	18 30.72	−22 14.0	1.128	2.071	14.2	20.8
8 9	18 26.75	−22 35.3	1.177	2.056	18.6	21.1

37433 2002 AA_{19} 7 3.9 304°.14 1°.0/ 4.3 18

5 31	19 17.56	−16 53.4	1.537	2.410	15.4	17.7
6 10	19 13.28	−17 43.2	1.436	2.378	11.8	17.4
6 20	19 6.20	−18 47.6	1.357	2.347	7.4	17.1
6 30	18 56.89	−20 3.9	1.302	2.316	2.5	16.7
7 10	18 46.40	−21 27.0	1.272	2.284	3.2	16.6
7 20	18 36.05	−22 51.0	1.269	2.253	8.5	16.9
7 30	18 27.29	−24 10.7	1.289	2.222	13.5	17.1
8 9	18 21.31	−25 23.0	1.330	2.192	18.0	17.3

290182 2005 RT_{51} 7 3.9 335°.75 4°.7/ 3.2 18

5 31	19 19.28	−34 49.8	1.865	2.732	13.4	20.4
6 10	19 13.97	−35 14.7	1.791	2.725	10.4	20.2
6 20	19 6.19	−35 32.5	1.740	2.719	7.2	20.0
6 30	18 56.75	−35 38.7	1.713	2.713	4.9	19.9
7 10	18 46.83	−35 30.4	1.712	2.707	5.5	19.9
7 20	18 37.63	−35 7.5	1.737	2.702	8.4	20.0
7 30	18 30.27	−34 32.0	1.786	2.698	11.7	20.2
8 9	18 25.52	−33 47.9	1.856	2.693	14.7	20.4

17535 1993 FF_{40} 7 3.9 311°.99 5°.5/ 5.4 18

5 31	19 14.47	− 7 16.3	2.070	2.906	13.4	18.4
6 10	19 9.89	− 6 56.8	1.992	2.902	10.8	18.2
6 20	19 3.53	− 6 49.7	1.936	2.897	8.0	18.0
6 30	18 55.98	− 6 56.4	1.905	2.893	5.9	17.9
7 10	18 48.03	− 7 16.6	1.900	2.889	5.8	17.9
7 20	18 40.51	− 7 48.7	1.921	2.885	7.8	18.0
7 30	18 34.23	− 8 30.4	1.966	2.881	10.6	18.1
8 9	18 29.80	− 9 18.4	2.034	2.877	13.4	18.3

260812 2005 OZ_{6} 7 3.9 291°.76 4°.2/ 3.1 18

5 31	19 19.47	−33 51.2	2.078	2.940	12.4	20.6
6 10	19 13.94	−34 18.2	1.996	2.928	9.6	20.4
6 20	19 6.13	−34 39.6	1.937	2.916	6.6	20.2
6 30	18 56.75	−34 51.2	1.903	2.904	4.3	20.0
7 10	18 46.84	−34 50.4	1.896	2.892	5.0	20.0
7 20	18 37.50	−34 36.2	1.916	2.881	7.8	20.2
7 30	18 29.78	−34 10.3	1.960	2.869	10.9	20.3
8 9	18 24.45	−33 35.7	2.026	2.857	13.9	20.5

222545 2001 UZ_{219} 7 3.9 149°.38 1°.3/ 3.7 18

5 31	19 21.36	−25 49.7	1.878	2.744	13.4	21.1
6 10	19 15.21	−26 2.7	1.810	2.750	9.9	20.9
6 20	19 6.80	−26 15.3	1.765	2.755	6.0	20.7
6 30	18 56.92	−26 24.6	1.746	2.759	2.1	20.5
7 10	18 46.64	−26 28.4	1.754	2.764	3.0	20.5
7 20	18 37.09	−26 25.8	1.789	2.768	7.0	20.8
7 30	18 29.26	−26 17.7	1.849	2.771	10.7	21.0
8 9	18 23.86	−26 5.6	1.931	2.775	14.0	21.2

420453 2012 DZ_{61} 7 3.9 190°.58 3°.2/ 4.3 17

5 31	19 20.70	−16 40.5	1.541	2.408	15.7	21.2
6 10	19 15.02	−16 9.7	1.471	2.408	11.9	21.0
6 20	19 6.83	−15 45.2	1.422	2.408	7.7	20.7
6 30	18 56.95	−15 27.6	1.398	2.407	3.8	20.5
7 10	18 46.58	−15 16.6	1.399	2.406	4.3	20.5
7 20	18 36.96	−15 12.1	1.426	2.406	8.3	20.8
7 30	18 29.23	−15 13.4	1.476	2.404	12.5	21.0
8 9	18 24.16	−15 19.6	1.547	2.403	16.2	21.2

122758 2000 SD_{65} 7 3.9 263°.88 2°.6/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 18.39	−15 28.4	1.950	2.805	13.4	21.3
6 10	19 13.11	−15 23.8	1.855	2.786	10.2	21.0
6 20	19 5.66	−15 26.8	1.783	2.766	6.7	20.8
6 30	18 56.65	−15 36.8	1.736	2.745	3.3	20.5
7 10	18 46.98	−15 53.0	1.717	2.724	3.6	20.5
7 20	18 37.66	−16 13.8	1.724	2.703	7.2	20.7
7 30	18 29.71	−16 37.8	1.756	2.681	11.1	20.9
8 9	18 23.93	−17 3.6	1.811	2.659	14.6	21.0

189534 2000 QH_{92} 7 3.9 323°.43 1°.1/ 3.8 17

5 31	19 17.07	−25 20.1	1.349	2.238	16.1	19.7
6 10	19 13.03	−25 19.0	1.267	2.218	12.1	19.4
6 20	19 6.01	−25 17.9	1.205	2.199	7.4	19.1
6 30	18 56.81	−25 13.9	1.167	2.181	2.4	18.7
7 10	18 46.76	−25 4.7	1.152	2.164	3.6	18.7
7 20	18 37.37	−24 49.5	1.161	2.147	8.9	19.0
7 30	18 30.08	−24 29.6	1.191	2.131	13.9	19.2
8 9	18 25.91	−24 6.9	1.241	2.116	18.2	19.4

12802 Hagino 7 3.9 175°.34 1°.3/ 3.7 18

5 31	19 21.94	−24 48.5	1.902	2.766	13.3	19.4
6 10	19 15.70	−25 16.4	1.830	2.768	9.9	19.2
6 20	19 7.16	−25 45.4	1.781	2.770	6.0	18.9
6 30	18 57.06	−26 12.3	1.757	2.771	2.0	18.7
7 10	18 46.48	−26 33.9	1.762	2.772	3.0	18.8
7 20	18 36.53	−26 48.7	1.794	2.772	7.1	19.0
7 30	18 28.27	−26 56.5	1.851	2.772	10.8	19.2
8 9	18 22.43	−26 58.6	1.931	2.771	14.1	19.4

266518 2008 EP_{148} 7 3.9 296°.78 0°.3/ 3.9 18

5 31	19 19.14	−22 8.7	1.462	2.342	15.6	20.6
6 10	19 14.29	−22 7.0	1.381	2.328	11.8	20.4
6 20	19 6.64	−22 8.4	1.321	2.313	7.2	20.1
6 30	18 56.98	−22 10.8	1.284	2.299	2.1	19.7
7 10	18 46.55	−22 12.3	1.273	2.285	3.2	19.7
7 20	18 36.75	−22 11.7	1.286	2.271	8.4	20.0
7 30	18 28.91	−22 9.1	1.323	2.258	13.1	20.2
8 9	18 23.97	−22 5.2	1.379	2.244	17.3	20.5

246381 2007 UC 7 3.9 308°.85 1°.5/ 4.1 18

5 31	19 18.12	−20 15.9	1.218	2.107	17.5	19.8
6 10	19 14.02	−20 2.2	1.138	2.088	13.3	19.5
6 20	19 6.73	−19 53.6	1.076	2.070	8.3	19.1
6 30	18 57.06	−19 49.0	1.037	2.051	2.9	18.7
7 10	18 46.40	−19 46.9	1.021	2.033	3.8	18.7
7 20	18 36.38	−19 46.5	1.028	2.016	9.5	19.0
7 30	18 28.58	−19 47.2	1.057	1.999	14.9	19.3
8 9	18 24.10	−19 49.3	1.103	1.983	19.6	19.5

324894 2007 VP_{54} 7 3.9 210°.84 0°.9/ 4.2 17

5 31	19 21.18	−19 36.1	1.658	2.524	14.8	21.5
6 10	19 15.42	−19 48.7	1.581	2.520	11.1	21.3
6 20	19 7.14	−20 7.2	1.527	2.516	6.8	21.0
6 30	18 57.10	−20 29.4	1.497	2.511	2.2	20.7
7 10	18 46.45	−20 52.7	1.494	2.506	3.0	20.8
7 20	18 36.41	−21 15.0	1.517	2.500	7.6	21.0
7 30	18 28.16	−21 35.2	1.565	2.494	11.9	21.3
8 9	18 22.53	−21 52.8	1.634	2.487	15.6	21.5

511190 2013 YA_{112} 7 3.9 267°.04 0°.8/ 4.2 18

5 31	19 18.90	−19 36.0	1.851	2.716	13.6	21.9
6 10	19 13.66	−19 50.3	1.760	2.698	10.2	21.6
6 20	19 6.08	−20 10.3	1.691	2.680	6.3	21.4
6 30	18 56.82	−20 34.2	1.647	2.661	2.1	21.1
7 10	18 46.85	−20 59.6	1.630	2.642	2.8	21.1
7 20	18 37.27	−21 24.4	1.640	2.623	7.2	21.3
7 30	18 29.18	−21 47.3	1.676	2.603	11.3	21.5
8 9	18 23.44	−22 7.7	1.732	2.583	15.0	21.7

205600 2001 TA_{248} 7 3.9 130°.81 2°.1/ 3.6 17

5 31	19 23.73	−26 3.0	1.430	2.307	16.1	21.3
6 10	19 17.62	−26 36.2	1.369	2.313	12.0	21.0
6 20	19 8.55	−27 10.1	1.329	2.320	7.4	20.8
6 30	18 57.51	−27 39.7	1.313	2.326	2.8	20.5
7 10	18 45.91	−28 0.8	1.323	2.332	4.0	20.6
7 20	18 35.27	−28 11.5	1.358	2.338	8.7	20.9
7 30	18 26.92	−28 12.5	1.416	2.343	13.1	21.2
8 9	18 21.68	−28 6.4	1.495	2.348	16.8	21.4

135659 2002 LE_{51} 7 3.9 32°.02 1°.8/ 4.4 18

5 31	19 18.36	−16 58.7	1.271	2.153	17.4	19.5
6 10	19 13.75	−17 23.7	1.211	2.158	13.1	19.3
6 20	19 6.28	−18 0.2	1.172	2.163	8.1	19.0
6 30	18 56.87	−18 45.4	1.155	2.168	3.0	18.7
7 10	18 46.87	−19 34.9	1.162	2.174	3.6	18.8
7 20	18 37.74	−20 24.6	1.194	2.180	8.6	19.1
7 30	18 30.77	−21 11.3	1.248	2.187	13.4	19.4
8 9	18 26.83	−21 53.1	1.321	2.194	17.4	19.6

472128 2014 BA_{32} 7 3.9 182°.48 2°.2/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 22.15	−29 57.5	2.293	3.148	11.6	21.5
6 10	19 15.50	−29 57.9	2.216	3.148	8.7	21.3
6 20	19 6.87	−29 54.1	2.164	3.149	5.5	21.1
6 30	18 56.97	−29 43.6	2.138	3.148	2.6	20.9
7 10	18 46.76	−29 25.2	2.141	3.148	3.2	21.0
7 20	18 37.18	−28 59.1	2.173	3.146	6.4	21.2
7 30	18 29.12	−28 26.9	2.231	3.145	9.6	21.4
8 9	18 23.20	−27 51.1	2.312	3.143	12.4	21.5

200521 2001 CA_{15} 7 3.9 208°.09 3°.8/ 3.2 17

5 31	19 22.06	−32 50.4	2.110	2.968	12.4	20.6
6 10	19 15.76	−33 17.3	2.033	2.964	9.5	20.4
6 20	19 7.19	−33 39.0	1.980	2.960	6.4	20.2
6 30	18 57.10	−33 51.6	1.952	2.955	4.0	20.1
7 10	18 46.53	−33 52.3	1.952	2.951	4.6	20.1
7 20	18 36.60	−33 40.4	1.979	2.945	7.5	20.3
7 30	18 28.33	−33 17.6	2.032	2.940	10.7	20.5
8 9	18 22.44	−32 46.8	2.107	2.934	13.5	20.6

342411 2008 UJ_{65} 7 3.9 327°.87 0°.3/ 4.0 17

5 31	19 19.10	−22 32.3	1.792	2.661	13.7	21.1
6 10	19 13.64	−22 23.1	1.719	2.660	10.2	20.9
6 20	19 5.94	−22 15.3	1.669	2.659	6.2	20.6
6 30	18 56.75	−22 7.7	1.644	2.659	1.8	20.3
7 10	18 47.15	−21 59.0	1.646	2.658	2.7	20.4
7 20	18 38.21	−21 49.0	1.675	2.657	7.0	20.7
7 30	18 30.96	−21 38.0	1.728	2.657	11.0	20.9
8 9	18 26.08	−21 26.9	1.803	2.656	14.4	21.1

482380 2011 YS_{77} 7 3.9 189°.99 1°.0/ 4.5 18

5 31	19 16.79	−16 1.5	2.777	3.620	10.2	21.5
6 10	19 11.30	−16 52.0	2.693	3.619	7.6	21.3
6 20	19 4.31	−17 49.7	2.634	3.617	4.7	21.1
6 30	18 56.27	−18 52.3	2.604	3.616	1.8	20.9
7 10	18 47.85	−19 57.1	2.604	3.614	2.1	20.9
7 20	18 39.71	−21 1.3	2.633	3.612	5.1	21.1
7 30	18 32.53	−22 2.5	2.692	3.610	8.0	21.3
8 9	18 26.87	−22 59.4	2.775	3.607	10.5	21.5

234344 2001 FM_{85} 7 3.9 290°.98 3°.5/ 3.2 18

5 31	19 19.56	−30 24.0	1.823	2.694	13.5	20.2
6 10	19 14.27	−31 0.8	1.746	2.685	10.2	20.0
6 20	19 6.48	−31 35.0	1.690	2.676	6.7	19.8
6 30	18 56.95	−32 2.0	1.660	2.667	3.8	19.6
7 10	18 46.81	−32 18.2	1.656	2.658	4.6	19.6
7 20	18 37.27	−32 22.0	1.678	2.650	8.1	19.8
7 30	18 29.48	−32 14.2	1.724	2.641	11.7	20.0
8 9	18 24.28	−31 57.3	1.791	2.633	15.0	20.2

107360 2001 CQ_{28} 7 3.9 182°.28 1°.0/ 3.7 18

5 31	19 22.47	−23 32.1	1.867	2.730	13.6	20.7
6 10	19 16.19	−24 8.5	1.793	2.731	10.1	20.5
6 20	19 7.53	−24 47.8	1.742	2.731	6.1	20.3
6 30	18 57.24	−25 26.3	1.717	2.731	1.9	20.0
7 10	18 46.40	−26 0.3	1.720	2.730	3.0	20.1
7 20	18 36.16	−26 27.6	1.750	2.729	7.2	20.3
7 30	18 27.60	−26 47.5	1.806	2.726	11.1	20.6
8 9	18 21.52	−27 0.8	1.884	2.724	14.4	20.8

514189 2015 MX_{96} 7 3.9 312°.21 0°.0/ 3.8 18

5 31	19 16.65	−18 40.8	1.747	2.618	14.0	20.9
6 10	19 12.18	−19 41.8	1.659	2.601	10.5	20.6
6 20	19 5.31	−20 53.7	1.594	2.584	6.4	20.4
6 30	18 56.66	−22 12.7	1.553	2.568	1.9	20.0
7 10	18 47.20	−23 33.6	1.540	2.552	2.8	20.1
7 20	18 38.07	−24 51.2	1.554	2.537	7.5	20.3
7 30	18 30.44	−26 1.7	1.593	2.522	11.7	20.5
8 9	18 25.22	−27 3.1	1.653	2.507	15.4	20.7

16377 1981 EY_{11} 7 3.9 192°.68 3°.0/ 3.5 18

5 31	19 24.85	−29 44.8	1.714	2.579	14.4	18.8
6 10	19 18.18	−30 3.6	1.641	2.578	10.9	18.6
6 20	19 8.81	−30 18.6	1.590	2.577	6.9	18.4
6 30	18 57.62	−30 25.6	1.565	2.574	3.4	18.2
7 10	18 45.87	−30 21.7	1.566	2.572	4.2	18.2
7 20	18 34.94	−30 6.2	1.594	2.568	8.1	18.4
7 30	18 26.04	−29 41.3	1.646	2.565	12.1	18.7
8 9	18 19.99	−29 10.3	1.720	2.560	15.5	18.9

191062 2002 CD_{131} 7 3.9 217°.78 3°.6/ 3.7 18

5 31	19 23.32	−32 39.8	1.771	2.636	14.1	20.4
6 10	19 16.94	−32 44.2	1.700	2.635	10.7	20.2
6 20	19 7.99	−32 41.6	1.651	2.634	7.0	20.0
6 30	18 57.36	−32 28.2	1.627	2.633	4.0	19.8
7 10	18 46.31	−32 2.0	1.629	2.632	4.6	19.9
7 20	18 36.13	−31 23.9	1.658	2.631	8.1	20.1
7 30	18 27.96	−30 36.7	1.712	2.630	11.7	20.3
8 9	18 22.55	−29 44.6	1.787	2.629	15.0	20.5

49029 1998 QN_{102} 7 3.9 192°.49 2°.0/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 22.36	−26 54.6	1.925	2.788	13.2	19.3
6 10	19 16.08	−27 21.1	1.849	2.787	9.8	19.1
6 20	19 7.45	−27 47.1	1.797	2.785	6.1	18.9
6 30	18 57.22	−28 8.9	1.771	2.783	2.5	18.6
7 10	18 46.47	−28 23.4	1.772	2.780	3.4	18.7
7 20	18 36.34	−28 29.4	1.800	2.776	7.2	18.9
7 30	18 27.91	−28 27.4	1.854	2.772	11.0	19.1
8 9	18 21.94	−28 19.2	1.929	2.767	14.2	19.3

196185 2002 YB_{29} 7 3.9 98°.65 1°.2/ 3.8 18

5 31	19 26.32	−25 23.2	1.389	2.262	16.7	20.6
6 10	19 19.29	−25 29.8	1.339	2.282	12.3	20.4
6 20	19 9.39	−25 36.0	1.311	2.302	7.4	20.1
6 30	18 57.74	−25 38.1	1.307	2.321	2.4	19.9
7 10	18 45.84	−25 33.8	1.328	2.339	3.5	20.0
7 20	18 35.17	−25 23.1	1.376	2.358	8.3	20.3
7 30	18 26.93	−25 7.5	1.447	2.375	12.7	20.6
8 9	18 21.83	−24 49.4	1.538	2.392	16.4	20.9

106992 2000 YT_{103} 7 3.9 215°.02 4°.3/ 5.5 18

5 31	19 17.46	− 8 48.2	2.109	2.943	13.3	20.1
6 10	19 12.17	− 9 1.5	2.025	2.938	10.4	19.9
6 20	19 4.99	− 9 27.9	1.965	2.933	7.4	19.7
6 30	18 56.51	−10 7.0	1.930	2.927	4.8	19.6
7 10	18 47.55	−10 57.2	1.922	2.921	4.6	19.5
7 20	18 38.99	−11 55.7	1.942	2.914	7.1	19.7
7 30	18 31.67	−12 59.2	1.988	2.907	10.3	19.9
8 9	18 26.28	−14 4.4	2.058	2.900	13.3	20.1

45854 2000 SR_{285} 7 3.9 7°.42 5°.5/ 3.3 17

5 31	19 21.89	−33 0.4	1.188	2.077	17.9	18.8
6 10	19 16.96	−33 35.1	1.130	2.077	13.7	18.5
6 20	19 8.47	−34 2.6	1.091	2.078	9.3	18.3
6 30	18 57.58	−34 15.8	1.074	2.079	5.8	18.1
7 10	18 46.02	−34 10.0	1.079	2.081	6.7	18.2
7 20	18 35.67	−33 44.9	1.107	2.083	10.7	18.4
7 30	18 28.11	−33 4.7	1.157	2.086	15.1	18.7
8 9	18 24.26	−32 15.2	1.225	2.090	19.0	18.9

361046 2005 XN_{82} 7 3.9 42°.18 3°.6/ 2.8 18

5 31	19 17.95	−31 20.9	2.251	3.113	11.6	20.8
6 10	19 12.63	−32 11.8	2.181	3.115	8.8	20.7
6 20	19 5.30	−33 0.0	2.134	3.116	5.8	20.5
6 30	18 56.60	−33 41.4	2.115	3.118	3.7	20.3
7 10	18 47.46	−34 12.5	2.122	3.119	4.4	20.4
7 20	18 38.83	−34 31.7	2.157	3.121	7.1	20.6
7 30	18 31.63	−34 39.2	2.217	3.123	10.0	20.7
8 9	18 26.53	−34 37.0	2.299	3.124	12.6	20.9

162437 2000 FH_{59} 7 3.9 218°.95 0°.5/ 4.2 18

5 31	19 18.25	−19 33.3	2.769	3.616	10.1	20.6
6 10	19 12.44	−19 56.0	2.675	3.605	7.5	20.4
6 20	19 5.03	−20 22.7	2.607	3.593	4.6	20.2
6 30	18 56.52	−20 51.6	2.566	3.580	1.5	19.9
7 10	18 47.57	−21 21.1	2.555	3.566	2.0	19.9
7 20	18 38.91	−21 49.4	2.573	3.552	5.2	20.1
7 30	18 31.24	−22 15.5	2.619	3.537	8.2	20.3
8 9	18 25.16	−22 39.0	2.690	3.521	10.8	20.5

328110 2008 AS_{47} 7 3.9 180°.98 0°.4/ 3.9 17

5 31	19 23.07	−23 28.4	1.943	2.802	13.2	22.6
6 10	19 16.48	−23 36.1	1.868	2.804	9.8	22.3
6 20	19 7.62	−23 45.0	1.816	2.805	6.0	22.1
6 30	18 57.27	−23 52.7	1.791	2.805	1.7	21.8
7 10	18 46.47	−23 57.3	1.793	2.804	2.7	21.9
7 20	18 36.32	−23 57.7	1.823	2.803	6.8	22.2
7 30	18 27.82	−23 54.3	1.879	2.801	10.7	22.4
8 9	18 21.71	−23 48.3	1.958	2.798	13.9	22.6

94982 2001 YA_{116} 7 3.9 11°.70 6°.4/ 3.8 18

5 31	19 25.16	−38 38.6	1.521	2.386	16.0	18.6
6 10	19 18.76	−38 47.1	1.458	2.387	12.6	18.4
6 20	19 9.24	−38 42.1	1.415	2.388	9.2	18.2
6 30	18 57.74	−38 18.0	1.396	2.390	6.6	18.0
7 10	18 45.86	−37 32.5	1.401	2.392	7.0	18.0
7 20	18 35.21	−36 27.9	1.431	2.395	9.9	18.2
7 30	18 27.12	−35 9.6	1.484	2.398	13.4	18.4
8 9	18 22.34	−33 44.8	1.558	2.402	16.7	18.7

180634 2004 FG_{161} 7 3.9 337°.31 2°.2/ 3.6 17

5 31	19 16.12	−25 49.4	1.194	2.092	17.2	19.2
6 10	19 12.63	−26 18.2	1.124	2.079	12.9	18.9
6 20	19 5.93	−26 49.3	1.072	2.067	8.0	18.6
6 30	18 56.89	−27 17.8	1.043	2.056	3.0	18.3
7 10	18 46.98	−27 39.0	1.036	2.047	4.4	18.3
7 20	18 37.85	−27 50.2	1.052	2.038	9.6	18.6
7 30	18 31.07	−27 51.3	1.089	2.030	14.7	18.8
8 9	18 27.67	−27 44.4	1.144	2.024	19.0	19.1

107114 2001 AD_{38} 7 3.9 74°.47 4°.2/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 21.22	−30 19.0	1.766	2.636	13.9	18.7
6 10	19 15.46	−31 34.3	1.710	2.648	10.5	18.5
6 20	19 7.17	−32 47.6	1.677	2.660	6.9	18.4
6 30	18 57.17	−33 52.4	1.669	2.673	4.4	18.2
7 10	18 46.67	−34 43.6	1.688	2.685	5.3	18.3
7 20	18 36.90	−35 18.4	1.733	2.697	8.5	18.5
7 30	18 29.04	−35 37.4	1.802	2.710	11.8	18.8
8 9	18 23.85	−35 43.2	1.892	2.722	14.7	19.0

71909 2000 WV_{39} 7 3.9 197°.11 4°.3/ 4.8 17

5 31	19 19.95	−12 50.0	1.581	2.440	15.8	20.3
6 10	19 14.49	−12 30.5	1.509	2.439	12.2	20.1
6 20	19 6.58	−12 21.8	1.458	2.437	8.3	19.8
6 30	18 57.02	−12 24.5	1.432	2.436	4.9	19.6
7 10	18 46.92	−12 37.7	1.430	2.434	5.0	19.6
7 20	18 37.47	−13 0.0	1.454	2.432	8.5	19.8
7 30	18 29.79	−13 29.1	1.503	2.429	12.5	20.1
8 9	18 24.66	−14 2.4	1.571	2.426	16.0	20.3

182167 2000 SG_{214} 7 3.9 268°.98 4°.7/ 2.9 18

5 31	19 20.21	−35 48.4	2.207	3.062	12.0	20.6
6 10	19 14.46	−36 23.5	2.128	3.054	9.4	20.4
6 20	19 6.48	−36 52.1	2.073	3.046	6.7	20.2
6 30	18 56.98	−37 9.9	2.044	3.038	4.9	20.1
7 10	18 46.98	−37 13.9	2.041	3.030	5.4	20.1
7 20	18 37.56	−37 3.3	2.065	3.022	7.9	20.2
7 30	18 29.74	−36 39.6	2.114	3.013	10.7	20.4
8 9	18 24.24	−36 6.1	2.184	3.005	13.3	20.6

404953 1996 VA_{25} 7 3.9 276°.19 5°.0/ 4.9 18

5 31	19 13.75	− 7 4.5	2.682	3.505	11.1	21.3
6 10	19 9.07	− 6 25.3	2.592	3.491	9.0	21.1
6 20	19 2.98	− 5 54.8	2.525	3.478	6.8	20.9
6 30	18 55.94	− 5 34.5	2.484	3.465	5.3	20.8
7 10	18 48.56	− 5 25.1	2.471	3.451	5.3	20.8
7 20	18 41.47	− 5 26.6	2.484	3.437	6.9	20.9
7 30	18 35.32	− 5 37.9	2.524	3.424	9.2	21.0
8 9	18 30.60	− 5 57.4	2.586	3.410	11.4	21.1

290209 2005 SA_{41} 7 3.9 51°.50 3°.1/ 3.3 17

5 31	19 18.57	−30 24.6	2.010	2.877	12.5	20.3
6 10	19 13.14	−30 54.6	1.948	2.885	9.4	20.1
6 20	19 5.60	−31 21.2	1.909	2.894	6.1	19.9
6 30	18 56.70	−31 40.8	1.895	2.903	3.4	19.7
7 10	18 47.46	−31 50.7	1.909	2.912	4.1	19.8
7 20	18 38.91	−31 50.3	1.949	2.921	7.1	20.0
7 30	18 31.98	−31 40.5	2.014	2.930	10.3	20.2
8 9	18 27.33	−31 23.5	2.102	2.940	13.2	20.4

38112 1999 JZ_{29} 7 3.9 347°.55 3°.1/ 3.5 18

5 31	19 15.85	−27 1.6	1.035	1.941	18.5	18.2
6 10	19 12.78	−27 34.5	0.973	1.932	13.9	17.9
6 20	19 6.17	−28 8.4	0.929	1.924	8.7	17.6
6 30	18 57.00	−28 37.4	0.905	1.918	3.8	17.2
7 10	18 46.95	−28 55.9	0.903	1.913	5.1	17.3
7 20	18 37.88	−29 1.5	0.922	1.909	10.5	17.6
7 30	18 31.49	−28 54.8	0.961	1.906	15.7	17.9
8 9	18 28.83	−28 38.8	1.017	1.905	20.2	18.1

457626 2009 BZ_{109} 7 3.9 57°.39 4°.9/ 5.1 17

5 31	19 18.91	−11 39.3	1.302	2.171	17.9	20.9
6 10	19 14.00	−11 31.3	1.245	2.179	13.8	20.7
6 20	19 6.38	−11 38.5	1.207	2.187	9.4	20.4
6 30	18 56.97	−12 1.0	1.191	2.195	5.6	20.2
7 10	18 47.07	−12 36.7	1.200	2.204	5.5	20.3
7 20	18 38.05	−13 22.0	1.232	2.213	9.2	20.5
7 30	18 31.11	−14 13.1	1.287	2.222	13.5	20.8
8 9	18 27.04	−15 6.0	1.362	2.231	17.2	21.0

204063 2003 US_{278} 7 3.9 276°.38 1°.8/ 3.5 18

5 31	19 18.84	−25 33.8	1.933	2.802	12.9	20.5
6 10	19 13.66	−26 11.4	1.844	2.785	9.7	20.3
6 20	19 6.15	−26 51.2	1.778	2.767	6.0	20.0
6 30	18 56.94	−27 29.3	1.737	2.750	2.3	19.8
7 10	18 47.02	−28 2.2	1.724	2.733	3.4	19.8
7 20	18 37.49	−28 27.3	1.737	2.715	7.3	20.0
7 30	18 29.48	−28 43.9	1.776	2.697	11.2	20.2
8 9	18 23.82	−28 52.8	1.836	2.679	14.6	20.4

355480 2007 VJ_{332} 7 3.9 178°.30 2°.3/ 3.6 18

5 31	19 19.95	−30 17.3	2.301	3.160	11.5	20.8
6 10	19 13.93	−30 21.5	2.226	3.160	8.6	20.6
6 20	19 5.98	−30 21.7	2.176	3.161	5.5	20.4
6 30	18 56.81	−30 15.4	2.152	3.161	2.7	20.2
7 10	18 47.32	−30 1.2	2.155	3.161	3.3	20.3
7 20	18 38.44	−29 39.2	2.187	3.161	6.3	20.5
7 30	18 31.02	−29 10.7	2.245	3.161	9.4	20.7
8 9	18 25.66	−28 38.1	2.326	3.160	12.2	20.9

247541 2002 RO_{110} 7 3.9 265°.36 5°.6/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 23.30	−38 17.8	2.154	3.002	12.5	20.7
6 10	19 16.96	−38 50.7	2.066	2.985	10.0	20.5
6 20	19 8.10	−39 15.1	2.001	2.967	7.4	20.3
6 30	18 57.49	−39 26.0	1.961	2.949	5.7	20.2
7 10	18 46.25	−39 19.8	1.948	2.930	6.3	20.2
7 20	18 35.59	−38 56.0	1.961	2.911	8.6	20.3
7 30	18 26.68	−38 16.7	1.999	2.892	11.5	20.4
8 9	18 20.35	−37 26.3	2.059	2.873	14.3	20.6

168432 1998 TZ_{8} 7 3.9 297°.15 1°.7/ 3.6 17

5 31	19 18.68	−26 11.4	1.860	2.731	13.2	20.6
6 10	19 13.44	−26 33.1	1.785	2.727	9.9	20.4
6 20	19 5.91	−26 54.8	1.732	2.722	6.0	20.1
6 30	18 56.84	−27 13.5	1.705	2.718	2.3	19.9
7 10	18 47.26	−27 26.3	1.705	2.714	3.2	19.9
7 20	18 38.28	−27 32.0	1.731	2.710	7.2	20.2
7 30	18 30.93	−27 30.8	1.782	2.706	10.9	20.4
8 9	18 25.98	−27 24.0	1.854	2.703	14.2	20.6

87208 2000 OQ_{32} 7 3.9 327°.54 1°.0/ 4.1 18 R

5 31	19 14.70	−22 13.1	1.197	2.094	17.1	18.6
6 10	19 11.66	−21 49.1	1.109	2.064	13.0	18.3
6 20	19 5.46	−21 26.4	1.041	2.036	8.1	17.9
6 30	18 56.84	−21 4.0	0.994	2.008	2.6	17.5
7 10	18 47.15	−20 41.5	0.969	1.982	3.7	17.5
7 20	18 37.98	−20 19.0	0.967	1.957	9.6	17.7
7 30	18 30.96	−19 57.8	0.985	1.933	15.2	17.9
8 9	18 27.27	−19 38.9	1.021	1.911	20.1	18.2

431846 2008 SF_{59} 7 3.9 323°.98 10°.3/30.8 16

5 31	19 23.23	−43 33.8	1.548	2.405	16.2	19.8
6 10	19 18.14	−45 9.4	1.482	2.394	13.6	19.6
6 20	19 9.41	−46 32.8	1.436	2.384	11.4	19.5
6 30	18 57.98	−47 33.9	1.413	2.375	10.3	19.4
7 10	18 45.48	−48 5.1	1.412	2.365	11.1	19.4
7 20	18 33.84	−48 4.0	1.434	2.357	13.3	19.5
7 30	18 24.86	−47 34.1	1.476	2.348	16.0	19.7
8 9	18 19.67	−46 42.8	1.536	2.341	18.7	19.8

818 Kapteynia 7 3.9 289°.75 3°.9/ 2.4 18

5 31	19 18.12	−31 31.2	2.266	3.128	11.5	14.3
6 10	19 12.91	−32 36.9	2.186	3.119	8.8	14.1
6 20	19 5.59	−33 41.1	2.130	3.110	6.0	13.9
6 30	18 56.77	−34 38.9	2.100	3.101	4.0	13.7
7 10	18 47.34	−35 26.2	2.098	3.092	4.8	13.8
7 20	18 38.29	−36 0.3	2.123	3.083	7.5	13.9
7 30	18 30.61	−36 20.9	2.174	3.075	10.4	14.1
8 9	18 25.07	−36 29.7	2.246	3.066	13.1	14.3

16828 1997 WR_{2} 7 3.9 207°.62 0°.7/ 4.1 18

5 31	19 21.49	−20 50.5	1.507	2.380	15.6	18.5
6 10	19 15.85	−20 52.1	1.435	2.378	11.7	18.3
6 20	19 7.52	−20 58.0	1.385	2.376	7.2	18.0
6 30	18 57.33	−21 6.4	1.360	2.374	2.2	17.7
7 10	18 46.56	−21 15.0	1.359	2.371	3.1	17.8
7 20	18 36.53	−21 22.3	1.385	2.369	8.0	18.0
7 30	18 28.49	−21 28.1	1.434	2.366	12.6	18.3
8 9	18 23.27	−21 32.6	1.504	2.363	16.4	18.5

204852 Frankfurt 7 3.9 87°.16 9°.2/ 6.3 18

5 31	19 15.98	+ 1 20.8	1.920	2.722	15.6	20.3
6 10	19 11.08	+ 2 11.3	1.856	2.727	13.3	20.2
6 20	19 4.32	+ 2 43.1	1.812	2.733	11.1	20.1
6 30	18 56.36	+ 2 53.0	1.790	2.738	9.5	20.0
7 10	18 48.05	+ 2 39.9	1.793	2.743	9.3	20.0
7 20	18 40.28	+ 2 5.3	1.820	2.749	10.6	20.1
7 30	18 33.87	+ 1 12.8	1.869	2.754	12.6	20.2
8 9	18 29.44	+ 0 7.4	1.940	2.759	14.8	20.4

232561 2003 SS_{274} 7 3.9 306°.52 1°.7/ 3.6 18

5 31	19 17.98	−25 41.1	1.650	2.528	14.3	20.2
6 10	19 13.33	−26 6.7	1.565	2.511	10.7	19.9
6 20	19 6.09	−26 33.9	1.502	2.494	6.6	19.7
6 30	18 56.96	−26 58.9	1.464	2.477	2.5	19.4
7 10	18 47.07	−27 18.3	1.450	2.460	3.5	19.4
7 20	18 37.69	−27 30.0	1.463	2.444	8.0	19.6
7 30	18 30.08	−27 33.7	1.499	2.428	12.3	19.8
8 9	18 25.13	−27 30.8	1.555	2.413	16.1	20.0

258542 2002 CX_{18} 7 3.9 100°.26 7°.3/ 2.2 18

5 31	19 24.06	−44 49.9	2.390	3.217	12.1	20.1
6 10	19 17.28	−45 44.8	2.335	3.229	10.1	19.9
6 20	19 8.13	−46 27.6	2.304	3.240	8.3	19.8
6 30	18 57.47	−46 52.9	2.297	3.252	7.3	19.8
7 10	18 46.44	−46 57.9	2.317	3.264	7.7	19.8
7 20	18 36.23	−46 42.5	2.361	3.275	9.2	20.0
7 30	18 27.88	−46 9.4	2.430	3.286	11.1	20.1
8 9	18 22.07	−45 23.3	2.519	3.297	13.0	20.3

265746 2005 VA_6 7 3.9 332°.14 8°.4/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 13.02	− 5 8.0	1.661	2.505	15.8	20.6
6 10	19 9.36	− 3 59.7	1.577	2.486	13.1	20.3
6 20	19 3.55	− 3 4.7	1.514	2.467	10.5	20.1
6 30	18 56.21	− 2 27.6	1.474	2.449	8.7	20.0
7 10	18 48.28	− 2 10.9	1.457	2.432	8.7	19.9
7 20	18 40.76	− 2 15.2	1.463	2.416	10.8	20.0
7 30	18 34.68	− 2 38.8	1.491	2.401	13.7	20.2
8 9	18 30.82	− 3 17.7	1.539	2.386	16.7	20.3

105826 2000 SD_{145} 7 3.9 341°.32 1°.5/ 3.7 18

5 31	19 15.31	−25 58.0	1.563	2.448	14.5	18.5
6 10	19 11.35	−26 8.7	1.487	2.436	10.9	18.3
6 20	19 4.86	−26 19.6	1.431	2.424	6.7	18.0
6 30	18 56.60	−26 27.6	1.399	2.413	2.4	17.7
7 10	18 47.73	−26 30.2	1.392	2.403	3.4	17.8
7 20	18 39.49	−26 26.3	1.410	2.394	7.9	18.0
7 30	18 33.07	−26 16.4	1.451	2.387	12.2	18.2
8 9	18 29.30	−26 2.0	1.513	2.380	15.9	18.4

347837 2002 PO_{107} 7 3.9 272°.97 4°.4/ 4.8 18

5 31	19 16.75	−11 17.4	2.021	2.868	13.3	21.0
6 10	19 11.81	−10 53.3	1.930	2.851	10.5	20.8
6 20	19 4.90	−10 38.3	1.862	2.834	7.4	20.5
6 30	18 56.60	−10 33.6	1.818	2.817	4.8	20.4
7 10	18 47.75	−10 39.2	1.801	2.799	4.9	20.3
7 20	18 39.26	−10 54.4	1.810	2.782	7.6	20.5
7 30	18 32.05	−11 17.6	1.845	2.764	11.0	20.6
8 9	18 26.83	−11 46.7	1.902	2.746	14.1	20.8

79331 1996 TY 7 3.9 264°.74 0°.2/ 4.0 18

5 31	19 17.35	−21 51.1	2.091	2.956	12.2	19.8
6 10	19 12.18	−21 56.4	2.012	2.951	9.1	19.6
6 20	19 5.05	−22 4.2	1.956	2.946	5.5	19.4
6 30	18 56.62	−22 13.0	1.927	2.941	1.6	19.1
7 10	18 47.76	−22 21.0	1.924	2.936	2.4	19.1
7 20	18 39.39	−22 27.3	1.949	2.931	6.3	19.4
7 30	18 32.41	−22 31.5	2.000	2.926	9.9	19.6
8 9	18 27.47	−22 33.9	2.073	2.921	13.0	19.8

291448 2006 DU_{40} 7 4.0 107°.25 3°.4/ 4.8 17

5 31	19 21.37	−14 21.1	1.427	2.293	16.8	20.6
6 10	19 15.65	−14 21.5	1.368	2.303	12.8	20.3
6 20	19 7.32	−14 33.4	1.330	2.314	8.3	20.1
6 30	18 57.29	−14 55.8	1.316	2.324	4.2	19.9
7 10	18 46.81	−15 26.3	1.327	2.334	4.3	19.9
7 20	18 37.20	−16 2.0	1.363	2.344	8.4	20.2
7 30	18 29.61	−16 40.2	1.422	2.354	12.7	20.5
8 9	18 24.81	−17 18.6	1.502	2.363	16.3	20.7

478409 2012 CK_{33} 7 4.0 193°.35 3°.4/ 5.2 18

5 31	19 14.00	− 9 3.2	3.166	3.989	9.6	22.8
6 10	19 9.05	− 8 57.2	3.082	3.986	7.5	22.7
6 20	19 2.90	− 8 58.9	3.022	3.984	5.4	22.5
6 30	18 55.96	− 9 8.5	2.989	3.980	3.7	22.4
7 10	18 48.77	− 9 25.6	2.985	3.977	3.7	22.4
7 20	18 41.85	− 9 49.2	3.009	3.973	5.3	22.5
7 30	18 35.75	−10 18.0	3.061	3.968	7.5	22.7
8 9	18 30.89	−10 50.4	3.137	3.963	9.6	22.8

106294 2000 UH_{82} 7 4.0 239°.44 2°.5/ 3.3 18

5 31	19 18.44	−29 52.0	2.563	3.419	10.5	20.5
6 10	19 12.83	−30 19.8	2.476	3.408	7.9	20.3
6 20	19 5.40	−30 45.5	2.413	3.397	5.1	20.1
6 30	18 56.73	−31 6.0	2.377	3.385	2.7	19.9
7 10	18 47.60	−31 19.2	2.369	3.372	3.4	19.9
7 20	18 38.86	−31 23.8	2.390	3.360	6.1	20.1
7 30	18 31.34	−31 20.1	2.437	3.347	9.0	20.3
8 9	18 25.67	−31 9.7	2.507	3.334	11.7	20.4

416284 2003 OP_{21} 7 4.0 11°.43 3°.5/ 5.0 17

5 31	19 15.19	−13 13.5	1.042	1.935	19.5	20.1
6 10	19 11.88	−13 40.4	0.987	1.936	15.0	19.8
6 20	19 5.44	−14 26.2	0.950	1.939	9.8	19.6
6 30	18 56.82	−15 29.0	0.933	1.943	4.7	19.3
7 10	18 47.51	−16 43.3	0.938	1.948	4.7	19.3
7 20	18 39.11	−18 2.3	0.965	1.955	9.7	19.6
7 30	18 33.09	−19 19.6	1.013	1.962	14.7	19.9
8 9	18 30.39	−20 30.8	1.080	1.970	19.1	20.2

288020 2003 UH_{221} 7 4.0 222°.95 1°.2/ 4.2 18

5 31	19 18.59	−19 30.8	2.097	2.956	12.4	21.3
6 10	19 13.07	−19 25.4	2.016	2.951	9.3	21.1
6 20	19 5.59	−19 23.7	1.958	2.945	5.8	20.9
6 30	18 56.79	−19 24.7	1.926	2.939	2.1	20.6
7 10	18 47.55	−19 27.3	1.921	2.932	2.6	20.6
7 20	18 38.81	−19 30.7	1.945	2.925	6.4	20.9
7 30	18 31.43	−19 34.4	1.994	2.918	10.0	21.1
8 9	18 26.10	−19 38.5	2.065	2.911	13.1	21.3

56295 1999 NB_{54} 7 4.0 84°.24 6°.0/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
5 31	19 20.21	−11 1.1	1.438	2.298	17.0	18.4
6 10	19 14.73	−10 9.6	1.378	2.305	13.4	18.2
6 20	19 6.74	− 9 30.1	1.338	2.311	9.5	18.0
6 30	18 57.13	− 9 5.0	1.321	2.318	6.5	17.8
7 10	18 47.11	− 8 55.2	1.329	2.325	6.6	17.8
7 20	18 37.92	− 9 0.1	1.361	2.332	9.6	18.0
7 30	18 30.67	− 9 17.5	1.416	2.339	13.3	18.3
8 9	18 26.10	− 9 44.2	1.491	2.346	16.8	18.5

358421 2007 CO_{53} 7 4.0 135°.26 3°.7/ 3.1 18

5 31	19 19.87	−34 59.8	2.715	3.563	10.3	21.2
6 10	19 13.69	−35 26.3	2.649	3.572	7.9	21.0
6 20	19 5.79	−35 47.0	2.608	3.581	5.5	20.9
6 30	18 56.82	−35 58.8	2.594	3.590	3.8	20.8
7 10	18 47.58	−36 0.1	2.608	3.599	4.3	20.8
7 20	18 38.91	−35 50.3	2.650	3.607	6.3	21.0
7 30	18 31.56	−35 30.9	2.718	3.615	8.7	21.2
8 9	18 26.08	−35 4.1	2.810	3.623	10.9	21.3

93710 2000 VR_{33} 7 4.0 230°.57 0°.5/ 4.1 18

5 31	19 19.25	−20 34.9	2.087	2.946	12.5	20.1
6 10	19 13.66	−20 48.1	2.001	2.937	9.3	19.9
6 20	19 6.02	−21 5.2	1.938	2.927	5.7	19.6
6 30	18 56.94	−21 24.5	1.902	2.916	1.8	19.3
7 10	18 47.34	−21 43.8	1.894	2.906	2.5	19.4
7 20	18 38.16	−22 1.7	1.913	2.894	6.4	19.6
7 30	18 30.37	−22 17.2	1.959	2.883	10.1	19.8
8 9	18 24.67	−22 30.3	2.027	2.871	13.4	20.0

238645 2005 EL_{25} 7 4.0 136°.78 0°.1/ 3.9 17

5 31	19 19.35	−22 7.1	2.377	3.232	11.3	21.6
6 10	19 13.33	−22 24.9	2.311	3.245	8.3	21.5
6 20	19 5.60	−22 44.7	2.268	3.256	5.0	21.3
6 30	18 56.77	−23 4.7	2.253	3.268	1.4	21.0
7 10	18 47.66	−23 22.9	2.267	3.279	2.2	21.1
7 20	18 39.08	−23 38.1	2.310	3.289	5.6	21.4
7 30	18 31.81	−23 50.0	2.379	3.299	8.8	21.6
8 9	18 26.40	−23 58.7	2.472	3.308	11.5	21.8

507852 2014 GD_{44} 7 4.0 61°.08 6°.3/ 5.1 17

5 31	19 17.14	− 6 49.8	2.001	2.833	14.0	21.3
6 10	19 11.74	− 5 52.7	1.949	2.853	11.2	21.1
6 20	19 4.62	− 5 7.8	1.919	2.873	8.5	21.0
6 30	18 56.48	− 4 37.3	1.913	2.893	6.6	20.9
7 10	18 48.16	− 4 22.3	1.934	2.913	6.6	21.0
7 20	18 40.50	− 4 22.0	1.981	2.934	8.4	21.1
7 30	18 34.23	− 4 34.6	2.052	2.954	10.8	21.3
8 9	18 29.87	− 4 57.1	2.144	2.974	13.2	21.5

10848 1995 BD_1 7 4.0 261°.56 0°.2/ 3.9 18

5 31	19 21.30	−21 35.4	1.529	2.403	15.4	18.3
6 10	19 15.99	−22 2.2	1.445	2.388	11.6	18.0
6 20	19 7.84	−22 35.0	1.381	2.372	7.1	17.7
6 30	18 57.57	−23 10.5	1.342	2.356	2.1	17.3
7 10	18 46.40	−23 44.8	1.328	2.340	3.2	17.4
7 20	18 35.72	−24 14.6	1.340	2.323	8.3	17.6
7 30	18 26.94	−24 38.7	1.376	2.306	13.1	17.9
8 9	18 21.04	−24 57.1	1.432	2.289	17.2	18.1

127567 2003 AS_8 7 4.0 105°.27 12°.2/10.5 18

5 31	19 23.14	+10 52.2	1.654	2.403	19.7	19.5
6 10	19 16.47	+10 58.2	1.604	2.427	17.3	19.4
6 20	19 7.60	+10 32.8	1.571	2.450	14.9	19.3
6 30	18 57.37	+ 9 33.2	1.559	2.473	13.0	19.2
7 10	18 46.89	+ 8 1.1	1.569	2.495	12.2	19.2
7 20	18 37.26	+ 6 2.0	1.604	2.517	12.8	19.3
7 30	18 29.44	+ 3 44.5	1.663	2.537	14.5	19.4
8 9	18 24.07	+ 1 18.5	1.745	2.557	16.5	19.6

239450 2007 TR_{215} 7 4.0 336°.19 0°.5/ 4.1 18

5 31	19 16.66	−22 6.2	1.557	2.438	14.8	19.9
6 10	19 12.28	−21 55.3	1.481	2.428	11.1	19.7
6 20	19 5.40	−21 46.6	1.426	2.418	6.8	19.4
6 30	18 56.81	−21 39.0	1.395	2.410	2.1	19.1
7 10	18 47.64	−21 31.1	1.389	2.401	3.0	19.1
7 20	18 39.12	−21 22.6	1.408	2.394	7.7	19.4
7 30	18 32.40	−21 13.7	1.451	2.387	12.1	19.6
8 9	18 28.28	−21 4.9	1.514	2.381	15.9	19.8

80625 2000 AN_{193} 7 4.0 206°.39 3°.5/ 4.6 18

5 31	19 20.83	−13 42.2	2.072	2.916	13.1	20.0
6 10	19 14.71	−13 18.8	1.989	2.910	10.1	19.8
6 20	19 6.60	−13 2.5	1.928	2.904	6.8	19.6
6 30	18 57.13	−12 53.8	1.893	2.897	4.0	19.4
7 10	18 47.19	−12 52.4	1.886	2.889	4.1	19.4
7 20	18 37.72	−12 57.7	1.907	2.880	7.2	19.5
7 30	18 29.63	−13 8.9	1.954	2.871	10.6	19.7
8 9	18 23.60	−13 24.6	2.023	2.860	13.7	19.9