242683 2005 SS_{246} 5 7.9 114.°47 1.°8/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 25.31	−23 35.2	2.582	3.376	11.8	20.6
4 11	15 20.52	−23 42.0	2.499	3.384	9.3	20.5
4 21	15 13.98	−23 39.9	2.440	3.392	6.4	20.3
5 1	15 6.22	−23 29.0	2.407	3.400	3.4	20.1
5 11	14 57.98	−23 10.7	2.403	3.408	1.9	20.0
5 21	14 50.02	−22 47.3	2.427	3.416	4.3	20.2
5 31	14 43.04	−22 22.0	2.480	3.424	7.3	20.4
6 10	14 37.62	−21 58.4	2.557	3.431	10.0	20.6

291467 2006 DS_{73} 5 7.9 127.°17 4.°1/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.70	− 9 47.4	1.647	2.482	15.6	21.1
4 11	15 24.46	− 8 50.8	1.584	2.496	12.0	20.9
4 21	15 16.76	− 7 50.7	1.543	2.510	8.0	20.7
5 1	15 7.41	− 6 52.5	1.527	2.522	4.6	20.5
5 11	14 57.50	− 6 2.2	1.539	2.534	4.9	20.6
5 21	14 48.15	− 5 24.9	1.576	2.546	8.3	20.8
5 31	14 40.37	− 5 4.2	1.639	2.557	12.1	21.0
6 10	14 34.83	− 5 1.0	1.723	2.567	15.4	21.3

349895 2009 ED_{30} 5 7.9 108.°56 0.°5/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.35	−15 42.0	2.239	3.057	12.6	20.6
4 11	15 21.49	−15 41.7	2.159	3.063	9.7	20.4
4 21	15 14.70	−15 36.4	2.103	3.068	6.3	20.2
5 1	15 6.55	−15 27.6	2.073	3.074	2.6	20.0
5 11	14 57.85	−15 17.3	2.071	3.079	1.4	19.9
5 21	14 49.45	−15 8.0	2.097	3.084	5.1	20.2
5 31	14 42.14	−15 2.3	2.151	3.089	8.6	20.4
6 10	14 36.55	−15 2.6	2.229	3.094	11.6	20.6

289029 2004 TZ_{123} 5 7.9 174.°82 0.°4/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.50	−19 54.7	2.537	3.338	11.8	22.3
4 11	15 22.18	−19 42.3	2.448	3.341	9.1	22.1
4 21	15 15.07	−19 22.1	2.383	3.343	6.0	21.9
5 1	15 6.69	−18 55.1	2.346	3.345	2.6	21.7
5 11	14 57.80	−18 23.4	2.338	3.346	1.0	21.5
5 21	14 49.19	−17 50.1	2.359	3.347	4.5	21.8
5 31	14 41.58	−17 18.5	2.408	3.347	7.8	22.0
6 10	14 35.56	−16 52.0	2.483	3.346	10.6	22.2

403246 2008 XT 5 7.9 167.°06 1.°3/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.12	−20 50.3	1.777	2.586	15.7	21.8
4 11	15 27.33	−20 58.9	1.696	2.591	12.3	21.6
4 21	15 18.83	−20 57.4	1.636	2.595	8.3	21.3
5 1	15 8.37	−20 45.8	1.601	2.599	3.9	21.1
5 11	14 57.07	−20 25.6	1.594	2.602	1.7	20.9
5 21	14 46.17	−20 0.5	1.614	2.604	5.9	21.2
5 31	14 36.82	−19 35.1	1.662	2.606	10.2	21.4
6 10	14 29.86	−19 14.4	1.732	2.606	13.9	21.7

364645 2007 TV_{145} 5 7.9 165.°74 1.°1/ 8.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.70	−21 13.1	1.871	2.680	15.0	22.1
4 11	15 25.29	−21 7.3	1.789	2.685	11.8	21.9
4 21	15 17.41	−20 50.7	1.729	2.690	7.9	21.7
5 1	15 7.74	−20 23.8	1.695	2.693	3.6	21.4
5 11	14 57.35	−19 49.2	1.688	2.696	1.5	21.3
5 21	14 47.35	−19 10.7	1.709	2.699	5.6	21.6
5 31	14 38.80	−18 33.7	1.757	2.701	9.7	21.8
6 10	14 32.44	−18 2.8	1.828	2.702	13.4	22.0

480770 2016 PX_{6} 5 7.9 221.°91 2.°9/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 24.06	− 9 15.6	2.477	3.302	11.3	21.9
4 11	15 19.57	− 8 41.5	2.388	3.295	8.7	21.7
4 21	15 13.38	− 8 5.3	2.324	3.289	5.8	21.5
5 1	15 6.00	− 7 30.3	2.287	3.282	3.3	21.3
5 11	14 58.10	− 6 59.7	2.278	3.275	3.5	21.3
5 21	14 50.42	− 6 36.7	2.298	3.267	6.1	21.5
5 31	14 43.65	− 6 23.8	2.345	3.259	9.1	21.6
6 10	14 38.34	− 6 22.3	2.415	3.251	11.8	21.8

493314 2014 UH_{191} 5 7.9 274.°79 0.°6/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.05	−20 15.1	1.514	2.344	17.0	21.5
4 11	15 24.15	−20 3.4	1.416	2.324	13.4	21.2
4 21	15 17.21	−19 38.7	1.337	2.303	9.0	20.8
5 1	15 7.86	−19 1.7	1.282	2.283	4.0	20.5
5 11	14 57.24	−18 15.4	1.253	2.261	1.6	20.3
5 21	14 46.74	−17 25.2	1.249	2.240	7.0	20.6
5 31	14 37.76	−16 38.0	1.269	2.218	12.2	20.8
6 10	14 31.38	−16 0.6	1.311	2.197	16.8	21.0

1960 Guisan 5 7.9 312.°18 2.°9/ 9.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.39	−22 38.6	1.555	2.377	17.0	15.7
4 11	15 24.37	−23 16.1	1.465	2.365	13.6	15.4
4 21	15 17.33	−23 43.7	1.394	2.353	9.5	15.1
5 1	15 7.90	−23 59.4	1.347	2.342	5.1	14.9
5 11	14 57.23	−24 3.0	1.325	2.330	3.1	14.7
5 21	14 46.72	−23 56.6	1.328	2.319	6.7	14.9
5 31	14 37.77	−23 44.6	1.356	2.309	11.3	15.1
6 10	14 31.42	−23 32.8	1.406	2.299	15.4	15.3

472066 2013 YZ_{80} 5 7.9 315.°46 9.°0/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 25.09	+ 5 27.1	1.829	2.658	14.5	20.4
4 11	15 20.92	+ 6 23.4	1.755	2.647	12.2	20.2
4 21	15 14.53	+ 7 10.4	1.703	2.637	10.1	20.0
5 1	15 6.54	+ 7 41.1	1.675	2.627	9.0	19.9
5 11	14 57.88	+ 7 50.0	1.672	2.617	9.7	19.9
5 21	14 49.52	+ 7 34.3	1.692	2.608	11.8	20.0
5 31	14 42.38	+ 6 53.7	1.735	2.599	14.3	20.2
6 10	14 37.18	+ 5 51.0	1.797	2.590	16.9	20.3

29164 1989 UA 5 7.9 172.°33 0.°2/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.37	−17 39.9	1.976	2.790	14.2	17.9
4 11	15 24.93	−17 50.8	1.892	2.792	11.0	17.7
4 21	15 17.14	−17 55.4	1.830	2.793	7.3	17.5
5 1	15 7.64	−17 54.0	1.795	2.795	3.1	17.2
5 11	14 57.40	−17 48.3	1.787	2.796	1.3	17.1
5 21	14 47.46	−17 40.7	1.808	2.796	5.5	17.4
5 31	14 38.83	−17 34.6	1.855	2.797	9.5	17.6
6 10	14 32.24	−17 33.2	1.926	2.797	12.9	17.8

227513 2005 YR_{30} 5 7.9 79.°31 4.°9/11.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.07	−33 13.0	1.868	2.641	16.4	20.0
4 11	15 24.05	−33 7.3	1.802	2.663	13.4	19.9
4 21	15 16.51	−32 41.5	1.755	2.685	10.1	19.7
5 1	15 7.31	−31 54.6	1.732	2.706	6.8	19.6
5 11	14 57.59	−30 49.1	1.735	2.728	4.9	19.5
5 21	14 48.54	−29 30.3	1.766	2.749	6.2	19.6
5 31	14 41.14	−28 6.0	1.822	2.770	9.2	19.8
6 10	14 36.06	−26 44.0	1.903	2.791	12.3	20.1

477623 2010 LU_{55} 5 7.9 269.°04 0.°3/ 7.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 23.70	−17 37.6	2.543	3.356	11.4	22.2
4 11	15 19.44	−17 19.6	2.436	3.337	8.8	21.9
4 21	15 13.40	−16 54.7	2.353	3.318	5.8	21.7
5 1	15 6.05	−16 24.4	2.297	3.298	2.4	21.5
5 11	14 58.08	−15 51.0	2.270	3.278	1.2	21.3
5 21	14 50.23	−15 17.7	2.271	3.258	4.7	21.6
5 31	14 43.23	−14 47.8	2.300	3.237	8.1	21.7
6 10	14 37.71	−14 24.5	2.353	3.217	11.1	21.9

101631 1999 CM_{29} 5 7.9 97.°76 1.°8/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.78	−22 58.3	1.772	2.583	15.7	19.7
4 11	15 23.90	−22 58.9	1.699	2.595	12.3	19.5
4 21	15 16.50	−22 47.2	1.649	2.607	8.3	19.2
5 1	15 7.36	−22 23.6	1.622	2.619	4.2	19.0
5 11	14 57.56	−21 50.3	1.623	2.630	2.0	18.9
5 21	14 48.24	−21 11.7	1.651	2.642	5.7	19.2
5 31	14 40.45	−20 33.0	1.704	2.653	9.7	19.4
6 10	14 34.91	−19 59.6	1.781	2.664	13.2	19.7

433357 2013 RM_{93} 5 7.9 205.°00 4.°3/ 4.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.36	− 7 35.8	2.323	3.149	11.9	22.3
4 11	15 20.64	− 6 18.4	2.238	3.144	9.3	22.2
4 21	15 14.10	− 4 57.7	2.177	3.138	6.5	22.0
5 1	15 6.31	− 3 38.9	2.144	3.131	4.5	21.8
5 11	14 58.00	− 2 27.4	2.140	3.123	5.1	21.8
5 21	14 49.95	− 1 28.2	2.164	3.115	7.6	22.0
5 31	14 42.89	− 0 44.8	2.214	3.107	10.5	22.2
6 10	14 37.41	− 0 18.8	2.287	3.097	13.2	22.3

373572 2001 YA_{7} 5 7.9 248.°40 2.°6/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.08	−25 0.1	2.097	2.891	14.1	21.5
4 11	15 24.14	−25 9.9	1.991	2.875	11.3	21.3
4 21	15 16.79	−25 8.2	1.907	2.857	8.0	21.0
5 1	15 7.57	−24 53.8	1.848	2.840	4.5	20.8
5 11	14 57.42	−24 27.7	1.817	2.821	2.7	20.6
5 21	14 47.38	−23 52.5	1.814	2.802	5.5	20.8
5 31	14 38.51	−23 12.9	1.837	2.783	9.3	21.0
6 10	14 31.67	−22 34.6	1.885	2.763	12.8	21.1

296194 2009 BA_{183} 5 7.9 307.°54 0.°7/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 24.56	−20 12.7	2.004	2.822	13.8	20.9
4 11	15 20.53	−20 6.2	1.914	2.816	10.8	20.6
4 21	15 14.29	−19 50.4	1.846	2.810	7.2	20.4
5 1	15 6.46	−19 26.2	1.804	2.804	3.2	20.1
5 11	14 57.92	−18 55.9	1.789	2.798	1.3	20.0
5 21	14 49.63	−18 23.2	1.801	2.792	5.3	20.2
5 31	14 42.51	−17 52.4	1.839	2.786	9.2	20.5
6 10	14 37.30	−17 27.6	1.901	2.780	12.7	20.7

471272 2011 FY_{9} 5 8.0 9.°38 0.°4/ 5.4 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 5.24	− 8 43.1	20.799	21.618	1.5	22.1
4 11	15 4.12	− 8 31.9	20.737	21.641	1.2	22.0
4 21	15 2.86	− 8 20.6	20.701	21.665	0.8	22.0
5 1	15 1.49	− 8 9.7	20.695	21.689	0.4	22.0
5 11	15 0.09	− 7 59.3	20.718	21.712	0.5	22.0
5 21	14 58.72	− 7 49.8	20.770	21.736	0.8	22.0
5 31	14 57.42	− 7 41.3	20.851	21.759	1.2	22.1
6 10	14 56.25	− 7 34.1	20.957	21.783	1.6	22.1

380149 1999 VK_{79} 5 8.0 180°.96 0°.6/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 25.84	−17 20.3	2.420	3.232	12.0	21.8
4 11	15 20.99	−16 52.7	2.332	3.233	9.2	21.6
4 21	15 14.32	−16 18.0	2.269	3.233	6.0	21.4
5 1	15 6.40	−15 37.9	2.232	3.233	2.5	21.2
5 11	14 57.97	−14 55.7	2.225	3.233	1.4	21.1
5 21	14 49.82	−14 14.9	2.247	3.232	4.9	21.3
5 31	14 42.68	−13 39.0	2.296	3.230	8.3	21.5
6 10	14 37.14	−13 11.3	2.370	3.228	11.2	21.7

290774 2005 VM_{4} 5 8.0 149°.47 0°.0/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.80	−19 23.6	2.301	3.107	12.7	22.4
4 11	15 22.52	−19 0.4	2.221	3.117	9.8	22.2
4 21	15 15.31	−18 28.6	2.165	3.127	6.4	22.0
5 1	15 6.81	−17 49.8	2.135	3.136	2.7	21.8
5 11	14 57.81	−17 7.0	2.135	3.144	1.1	21.7
5 21	14 49.19	−16 23.9	2.164	3.151	4.9	22.0
5 31	14 41.70	−15 44.6	2.220	3.158	8.3	22.2
6 10	14 35.95	−15 12.6	2.301	3.164	11.4	22.4

273835 2007 GM_{27} 5 8.0 1°.57 0°.5/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 21.56	−20 55.0	1.505	2.345	16.6	19.5
4 11	15 18.74	−19 51.1	1.429	2.344	12.8	19.3
4 21	15 13.32	−18 30.2	1.373	2.343	8.4	19.0
5 1	15 6.08	−16 56.4	1.342	2.344	3.4	18.7
5 11	14 58.13	−15 16.9	1.336	2.344	1.8	18.6
5 21	14 50.64	−13 40.6	1.356	2.346	6.8	18.9
5 31	14 44.69	−12 15.9	1.401	2.348	11.5	19.2
6 10	14 41.02	−11 9.0	1.467	2.351	15.5	19.4

65503 3028 P–L 5 8.0 290°.87 3°.8/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.31	−28 50.7	1.964	2.757	15.0	19.1
4 11	15 21.41	−28 55.8	1.864	2.743	12.2	18.9
4 21	15 15.06	−28 45.4	1.785	2.729	9.0	18.6
5 1	15 6.85	−28 17.9	1.730	2.715	5.6	18.4
5 11	14 57.76	−27 34.7	1.701	2.701	3.8	18.3
5 21	14 48.88	−26 39.1	1.699	2.687	5.9	18.4
5 31	14 41.29	−25 37.0	1.723	2.673	9.4	18.5
6 10	14 35.80	−24 35.5	1.770	2.659	13.0	18.7

415301 2013 GS_{81} 5 8.0 345°.27 0°.4/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 24.25	−18 40.1	1.142	2.000	19.5	20.8
4 11	15 21.78	−18 44.5	1.068	1.992	15.3	20.5
4 21	15 15.89	−18 37.2	1.013	1.985	10.2	20.2
5 1	15 7.35	−18 19.2	0.978	1.980	4.4	19.8
5 11	14 57.56	−17 54.0	0.966	1.975	1.8	19.6
5 21	14 48.17	−17 26.9	0.977	1.971	7.8	20.0
5 31	14 40.74	−17 4.6	1.009	1.969	13.4	20.3
6 10	14 36.37	−16 52.8	1.061	1.967	18.2	20.5

412997 1999 TH_{43} 5 8.0 163°.67 1°.0/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.20	−21 22.2	2.032	2.837	14.2	22.5
4 11	15 24.71	−21 12.9	1.950	2.843	11.1	22.3
4 21	15 16.94	−20 53.0	1.889	2.848	7.4	22.1
5 1	15 7.56	−20 23.5	1.855	2.853	3.4	21.8
5 11	14 57.53	−19 46.7	1.849	2.857	1.4	21.7
5 21	14 47.87	−19 6.5	1.871	2.860	5.3	22.0
5 31	14 39.54	−18 27.7	1.920	2.863	9.1	22.2
6 10	14 33.25	−17 54.8	1.994	2.865	12.5	22.4

67846 2000 WU_{5} 5 8.0 252°.58 4°.2/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.84	−27 28.6	1.646	2.448	17.1	20.0
4 11	15 25.41	−27 49.7	1.553	2.438	13.9	19.8
4 21	15 17.97	−27 55.4	1.479	2.427	10.1	19.5
5 1	15 8.18	−27 43.2	1.428	2.416	6.2	19.3
5 11	14 57.23	−27 13.4	1.403	2.405	4.2	19.1
5 21	14 46.50	−26 29.2	1.404	2.393	6.8	19.2
5 31	14 37.37	−25 37.2	1.430	2.381	11.0	19.4
6 10	14 30.85	−24 45.5	1.479	2.369	15.0	19.7

352053 2006 VO_{155} 5 8.0 233°.17 3°.6/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.09	−28 39.1	2.500	3.275	12.7	20.7
4 11	15 22.22	−29 2.2	2.401	3.268	10.3	20.5
4 21	15 15.32	−29 14.0	2.324	3.260	7.6	20.3
5 1	15 6.91	−29 13.1	2.273	3.253	4.9	20.2
5 11	14 57.80	−28 59.8	2.250	3.245	3.6	20.1
5 21	14 48.85	−28 35.8	2.254	3.237	5.1	20.1
5 31	14 40.93	−28 4.7	2.287	3.229	7.9	20.3
6 10	14 34.73	−27 31.3	2.344	3.221	10.7	20.5

180341 2003 YQ_{55} 5 8.0 211°.63 1°.4/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.83	−15 8.8	1.910	2.733	14.3	21.0
4 11	15 23.84	−14 44.8	1.821	2.727	11.0	20.8
4 21	15 16.50	−14 13.8	1.754	2.721	7.2	20.5
5 1	15 7.43	−13 38.2	1.713	2.714	3.1	20.2
5 11	14 57.59	−13 1.8	1.700	2.707	2.2	20.2
5 21	14 48.02	−12 28.6	1.715	2.699	6.3	20.4
5 31	14 39.73	−12 3.0	1.756	2.690	10.4	20.6
6 10	14 33.48	−11 48.2	1.820	2.681	14.0	20.8

6812 Robertnelson 5 8.0 327°.58 0°.3/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 22.66	−17 49.7	2.037	2.863	13.4	17.8
4 11	15 19.01	−17 31.7	1.947	2.855	10.3	17.6
4 21	15 13.28	−17 5.6	1.880	2.847	6.8	17.4
5 1	15 6.06	−16 33.1	1.839	2.840	2.8	17.1
5 11	14 58.17	−15 57.5	1.824	2.833	1.4	17.0
5 21	14 50.53	−15 22.5	1.837	2.826	5.4	17.2
5 31	14 44.00	−14 52.3	1.876	2.819	9.3	17.4
6 10	14 39.25	−14 30.4	1.938	2.813	12.7	17.6

502633 2015 CR_{31} 5 8.0 181°.75 2°.4/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.42	−11 17.5	2.252	3.071	12.5	22.2
4 11	15 23.05	−10 51.2	2.168	3.072	9.6	22.0
4 21	15 15.73	−10 21.7	2.108	3.073	6.3	21.8
5 1	15 7.03	− 9 51.8	2.074	3.072	3.2	21.6
5 11	14 57.78	− 9 24.8	2.070	3.072	3.0	21.6
5 21	14 48.81	− 9 4.0	2.095	3.070	6.1	21.8
5 31	14 40.93	− 8 51.9	2.146	3.068	9.4	22.0
6 10	14 34.77	− 8 50.5	2.221	3.065	12.4	22.2

383975 2008 TM_{99} 5 8.0 228°.66 0°.1/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.48	−18 56.1	2.116	2.931	13.3	21.7
4 11	15 21.88	−18 43.6	2.023	2.924	10.4	21.5
4 21	15 15.14	−18 22.6	1.953	2.917	6.8	21.3
5 1	15 6.84	−17 54.3	1.909	2.909	2.9	21.0
5 11	14 57.85	−17 21.4	1.893	2.902	1.2	20.9
5 21	14 49.09	−16 47.3	1.905	2.894	5.3	21.1
5 31	14 41.47	−16 16.3	1.943	2.885	9.1	21.4
6 10	14 35.69	−15 52.2	2.006	2.877	12.5	21.5

29542 1998 BZ_{25} 5 8.0 156°.10 3°.9/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 24.92	− 5 34.4	2.388	3.214	11.7	19.2
4 11	15 20.22	− 5 3.6	2.312	3.217	9.1	19.1
4 21	15 13.80	− 4 33.8	2.260	3.220	6.3	18.9
5 1	15 6.20	− 4 8.4	2.234	3.222	4.2	18.8
5 11	14 58.15	− 3 50.7	2.237	3.225	4.5	18.8
5 21	14 50.37	− 3 43.3	2.267	3.227	6.8	18.9
5 31	14 43.58	− 3 47.7	2.324	3.229	9.6	19.1
6 10	14 38.30	− 4 4.4	2.404	3.231	12.1	19.3

521023 2015 CB_{69} 5 8.0 337°.69 8°.6/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 20.85	− 0 7.6	1.620	2.471	15.0	20.4
4 11	15 17.91	+ 1 35.6	1.551	2.463	12.2	20.2
4 21	15 12.68	+ 3 16.1	1.505	2.456	9.7	20.1
5 1	15 5.83	+ 4 44.8	1.483	2.449	8.6	20.0
5 11	14 58.30	+ 5 53.3	1.485	2.443	9.7	20.0
5 21	14 51.11	+ 6 35.5	1.511	2.437	12.2	20.2
5 31	14 45.22	+ 6 49.1	1.558	2.432	15.2	20.3
6 10	14 41.33	+ 6 35.0	1.623	2.427	18.0	20.5

391699 2008 AG_{137} 5 8.0 148°.30 5°.6/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 22.76	+ 0 27.8	2.723	3.543	10.5	21.7
4 11	15 18.31	+ 1 36.0	2.657	3.551	8.5	21.6
4 21	15 12.42	+ 2 40.6	2.617	3.559	6.6	21.4
5 1	15 5.59	+ 3 37.1	2.604	3.566	5.6	21.4
5 11	14 58.42	+ 4 21.3	2.619	3.573	6.2	21.4
5 21	14 51.53	+ 4 50.6	2.661	3.579	7.9	21.6
5 31	14 45.49	+ 5 3.5	2.728	3.585	9.9	21.7
6 10	14 40.74	+ 5 0.4	2.817	3.591	11.9	21.8

204676 2006 DL_{76} 5 8.0 232°.99 0°.9/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.25	−20 33.6	2.125	2.935	13.5	21.3
4 11	15 22.52	−20 31.6	2.030	2.926	10.5	21.0
4 21	15 15.59	−20 20.7	1.957	2.918	7.1	20.8
5 1	15 7.05	−20 1.3	1.911	2.909	3.2	20.5
5 11	14 57.76	−19 35.4	1.892	2.900	1.3	20.4
5 21	14 48.69	−19 6.1	1.901	2.891	5.2	20.6
5 31	14 40.75	−18 37.5	1.937	2.881	9.0	20.8
6 10	14 34.68	−18 13.8	1.997	2.871	12.4	21.0

253222 2002 YU_{2} 5 8.0 93°.21 4°.3/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.62	−27 18.3	1.805	2.593	16.4	19.8
4 11	15 28.48	−28 4.7	1.738	2.613	13.2	19.7
4 21	15 19.57	−28 37.6	1.692	2.634	9.5	19.5
5 1	15 8.71	−28 54.3	1.671	2.654	6.0	19.3
5 11	14 57.09	−28 54.6	1.677	2.674	4.3	19.2
5 21	14 46.02	−28 40.9	1.710	2.693	6.4	19.4
5 31	14 36.65	−28 18.1	1.769	2.712	9.7	19.6
6 10	14 29.78	−27 52.6	1.852	2.731	13.0	19.9

444885 2007 WZ_{24} 5 8.0 228°.20 1°.0/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 19.42	−13 52.8	3.953	4.764	7.7	22.9
4 11	15 15.47	−13 30.3	3.852	4.753	5.9	22.8
4 21	15 10.49	−13 4.8	3.777	4.742	3.8	22.6
5 1	15 4.78	−12 37.8	3.731	4.731	1.7	22.4
5 11	14 58.76	−12 11.1	3.715	4.720	1.4	22.4
5 21	14 52.85	−11 46.4	3.729	4.708	3.5	22.6
5 31	14 47.48	−11 25.7	3.771	4.696	5.7	22.7
6 10	14 42.98	−11 10.5	3.840	4.684	7.6	22.8

317937 2003 WP_{35} 5 8.0 180°.39 3°.9/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.23	−28 13.3	1.813	2.605	16.1	21.7
4 11	15 25.27	−28 24.9	1.727	2.606	13.0	21.5
4 21	15 17.61	−28 20.6	1.662	2.606	9.5	21.3
5 1	15 7.94	−27 59.0	1.621	2.607	5.8	21.1
5 11	14 57.42	−27 21.1	1.606	2.606	3.9	21.0
5 21	14 47.26	−26 30.8	1.618	2.606	6.2	21.1
5 31	14 38.65	−25 34.3	1.656	2.604	9.9	21.3
6 10	14 32.43	−24 39.0	1.718	2.603	13.5	21.5

373380 2012 MC_{9} 5 8.0 339°.05 0°.9/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 22.90	−18 53.5	1.490	2.332	16.6	20.4
4 11	15 19.88	−18 6.0	1.410	2.326	12.8	20.1
4 21	15 14.17	−17 4.4	1.350	2.321	8.4	19.9
5 1	15 6.52	−15 52.2	1.315	2.317	3.5	19.6
5 11	14 58.03	−14 35.6	1.304	2.312	2.1	19.4
5 21	14 49.94	−13 22.1	1.320	2.309	7.1	19.7
5 31	14 43.39	−12 19.2	1.359	2.305	11.8	20.0
6 10	14 39.19	−11 32.4	1.419	2.303	15.9	20.2

139068 2001 FG_{10} 5 8.0 329°.64 2°.0/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 24.50	−22 53.6	1.359	2.196	18.2	20.1
4 11	15 21.60	−22 53.7	1.276	2.186	14.4	19.8
4 21	15 15.60	−22 38.4	1.212	2.177	9.9	19.5
5 1	15 7.22	−22 7.7	1.170	2.168	4.9	19.2
5 11	14 57.70	−21 24.2	1.152	2.160	2.3	19.0
5 21	14 48.51	−20 33.6	1.158	2.152	6.9	19.3
5 31	14 41.05	−19 43.5	1.188	2.145	12.0	19.6
6 10	14 36.33	−19 1.2	1.238	2.139	16.5	19.8

134345 1990 UN_{5} 5 8.0 175°.81 2°.0/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 23.98	−10 43.5	3.052	3.867	9.7	20.6
4 11	15 19.16	−10 15.7	2.967	3.869	7.4	20.4
4 21	15 12.97	− 9 45.8	2.907	3.871	4.9	20.3
5 1	15 5.84	− 9 16.0	2.876	3.873	2.5	20.1
5 11	14 58.35	− 8 48.8	2.874	3.874	2.5	20.1
5 21	14 51.07	− 8 26.7	2.902	3.874	4.8	20.3
5 31	14 44.55	− 8 11.5	2.958	3.874	7.4	20.4
6 10	14 39.23	− 8 4.8	3.039	3.873	9.7	20.6

159388 1998 OL_{11} 5 8.0 227°.65 5°.6/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.44	−35 39.2	2.500	3.240	13.6	20.1
4 11	15 24.24	−36 4.2	2.395	3.229	11.5	19.9
4 21	15 16.76	−36 13.9	2.311	3.218	9.1	19.8
5 1	15 7.59	−36 5.5	2.251	3.206	6.9	19.6
5 11	14 57.60	−35 38.5	2.218	3.193	5.6	19.5
5 21	14 47.79	−34 54.7	2.212	3.181	6.4	19.5
5 31	14 39.14	−33 58.6	2.234	3.167	8.5	19.6
6 10	14 32.41	−32 56.2	2.280	3.154	11.1	19.8

415061 2012 BW_{27} 5 8.0 89°.45 1°.5/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.15	−21 43.0	1.584	2.404	16.8	21.7
4 11	15 25.19	−21 43.6	1.517	2.418	13.1	21.5
4 21	15 17.48	−21 32.0	1.471	2.433	8.8	21.3
5 1	15 7.86	−21 8.6	1.449	2.448	4.2	21.0
5 11	14 57.54	−20 36.3	1.454	2.462	1.8	20.9
5 21	14 47.80	−19 59.6	1.485	2.476	6.1	21.2
5 31	14 39.77	−19 24.3	1.541	2.490	10.4	21.5
6 10	14 34.22	−18 55.7	1.619	2.504	14.2	21.7

128839 2004 RV_{332} 5 8.0 146°.76 7°.3/ 2.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.99	+ 3 10.8	2.134	2.954	13.1	20.2
4 11	15 21.93	+ 4 5.3	2.070	2.960	10.7	20.0
4 21	15 14.97	+ 4 52.8	2.029	2.966	8.5	19.9
5 1	15 6.73	+ 5 27.7	2.014	2.972	7.3	19.8
5 11	14 58.03	+ 5 45.5	2.026	2.977	7.9	19.9
5 21	14 49.70	+ 5 44.0	2.063	2.982	9.8	20.0
5 31	14 42.53	+ 5 22.7	2.125	2.987	12.1	20.1
6 10	14 37.07	+ 4 43.3	2.207	2.991	14.4	20.3

303662 2005 LV_{52} 5 8.0 262°.02 3°.6/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 24.28	− 7 7.6	2.539	3.363	11.1	21.1
4 11	15 19.84	− 6 30.2	2.437	3.342	8.6	20.9
4 21	15 13.67	− 5 51.6	2.360	3.321	6.0	20.7
5 1	15 6.24	− 5 15.2	2.309	3.300	3.8	20.6
5 11	14 58.21	− 4 44.6	2.288	3.278	4.1	20.5
5 21	14 50.30	− 4 23.0	2.294	3.256	6.6	20.7
5 31	14 43.21	− 4 12.8	2.327	3.234	9.5	20.8
6 10	14 37.54	− 4 15.3	2.384	3.211	12.2	21.0

268528 2005 YN_{254} 5 8.0 221°.80 1°.4/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.43	−21 50.2	2.096	2.901	13.8	21.0
4 11	15 23.50	−21 54.6	2.001	2.894	10.9	20.8
4 21	15 16.29	−21 49.3	1.929	2.887	7.4	20.6
5 1	15 7.40	−21 34.3	1.883	2.880	3.6	20.3
5 11	14 57.73	−21 11.4	1.864	2.872	1.7	20.2
5 21	14 48.27	−20 43.3	1.873	2.863	5.2	20.4
5 31	14 40.00	−20 14.4	1.910	2.855	9.0	20.6
6 10	14 33.68	−19 49.1	1.970	2.846	12.5	20.8

33604 McChesney 5 8.0 327°.50 1°.1/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 23.49	−15 34.6	2.068	2.896	13.1	19.5
4 11	15 19.56	−15 10.2	1.983	2.893	10.1	19.2
4 21	15 13.61	−14 39.2	1.921	2.889	6.6	19.0
5 1	15 6.23	−14 4.1	1.885	2.886	2.8	18.8
5 11	14 58.24	−13 28.2	1.876	2.883	1.9	18.7
5 21	14 50.53	−12 55.5	1.895	2.880	5.7	18.9
5 31	14 43.92	−12 29.6	1.939	2.877	9.4	19.2
6 10	14 39.06	−12 13.6	2.007	2.874	12.6	19.4

478194 2011 UY_{244} 5 8.0 214°.41 0°.5/ 8.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 24.12	−20 14.1	2.708	3.511	11.1	22.3
4 11	15 19.61	−20 0.0	2.612	3.506	8.6	22.1
4 21	15 13.45	−19 38.3	2.540	3.500	5.7	21.9
5 1	15 6.12	−19 9.9	2.495	3.494	2.5	21.7
5 11	14 58.29	−18 37.1	2.479	3.488	1.0	21.5
5 21	14 50.65	−18 2.4	2.492	3.481	4.2	21.8
5 31	14 43.89	−17 29.4	2.533	3.474	7.3	22.0
6 10	14 38.54	−17 1.0	2.600	3.467	10.1	22.1

232940 2005 BD_{36} 5 8.0 199°.79 2°.1/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.45	−12 41.8	2.218	3.042	12.5	21.3
4 11	15 20.87	−12 9.2	2.132	3.040	9.6	21.1
4 21	15 14.38	−11 32.0	2.071	3.038	6.3	20.9
5 1	15 6.54	−10 53.2	2.035	3.035	3.0	20.7
5 11	14 58.13	−10 16.3	2.029	3.031	2.8	20.6
5 21	14 49.99	− 9 45.1	2.050	3.028	6.0	20.8
5 31	14 42.90	− 9 22.7	2.098	3.024	9.4	21.0
6 10	14 37.49	− 9 11.5	2.169	3.020	12.4	21.2

440459 2005 SB_{160} 5 8.0 238°.06 8°.2/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 21.69	+ 6 39.9	2.449	3.266	11.7	21.2
4 11	15 17.78	+ 8 17.0	2.381	3.261	9.9	21.1
4 21	15 12.25	+ 9 47.5	2.338	3.255	8.6	21.0
5 1	15 5.62	+11 4.7	2.320	3.249	8.2	21.0
5 11	14 58.53	+12 3.4	2.329	3.242	9.0	21.0
5 21	14 51.67	+12 40.1	2.362	3.236	10.6	21.1
5 31	14 45.71	+12 53.5	2.418	3.229	12.5	21.2
6 10	14 41.16	+12 44.8	2.493	3.223	14.3	21.3

11972 1994 VK 5 8.0 129°.91 1°.1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.14	−21 52.3	2.684	3.481	11.3	19.5
4 11	15 20.34	−21 51.1	2.601	3.490	8.8	19.3
4 21	15 13.89	−21 42.1	2.542	3.499	5.9	19.1
5 1	15 6.29	−21 25.6	2.510	3.507	2.9	18.9
5 11	14 58.25	−21 3.4	2.507	3.515	1.3	18.8
5 21	14 50.48	−20 38.0	2.533	3.523	4.1	19.0
5 31	14 43.65	−20 12.3	2.588	3.531	7.1	19.2
6 10	14 38.29	−19 49.5	2.667	3.538	9.7	19.4

106660 2000 WV_{143} 5 8.0 109°.20 0°.4/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.14	−19 31.8	1.709	2.527	15.9	20.1
4 11	15 25.69	−19 23.7	1.642	2.544	12.3	19.9
4 21	15 17.69	−19 5.5	1.597	2.561	8.1	19.7
5 1	15 7.94	−18 38.4	1.577	2.577	3.5	19.5
5 11	14 57.58	−18 5.8	1.584	2.593	1.4	19.4
5 21	14 47.79	−17 31.8	1.618	2.608	5.9	19.7
5 31	14 39.60	−17 1.3	1.678	2.623	10.1	20.0
6 10	14 33.74	−16 38.8	1.762	2.637	13.7	20.2

275703 2000 UV_{67} 5 8.0 189°.23 1°.4/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.27	−23 27.8	2.341	3.137	12.8	21.8
4 11	15 22.29	−23 11.9	2.249	3.136	10.1	21.6
4 21	15 15.32	−22 44.8	2.180	3.135	6.9	21.4
5 1	15 6.94	−22 7.3	2.137	3.133	3.4	21.2
5 11	14 57.98	−21 21.6	2.123	3.130	1.6	21.0
5 21	14 49.30	−20 31.6	2.137	3.127	4.7	21.2
5 31	14 41.73	−19 41.6	2.180	3.123	8.2	21.4
6 10	14 35.89	−18 56.4	2.247	3.119	11.3	21.6

499110 2009 HQ_{23} 5 8.0 93°.94 2°.8/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.89	−25 30.9	2.345	3.131	13.1	21.7
4 11	15 23.48	−25 55.0	2.270	3.148	10.4	21.5
4 21	15 16.05	−26 8.8	2.219	3.165	7.3	21.4
5 1	15 7.23	−26 11.5	2.193	3.181	4.3	21.2
5 11	14 57.87	−26 3.8	2.196	3.197	2.8	21.1
5 21	14 48.87	−25 47.9	2.227	3.213	4.8	21.3
5 31	14 41.05	−25 27.3	2.285	3.229	7.8	21.5
6 10	14 35.04	−25 6.2	2.369	3.245	10.6	21.7

424809 2008 UO_{113} 5 8.0 185°.67 1°.2/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.72	−22 54.2	2.104	2.911	13.7	21.5
4 11	15 21.30	−22 35.1	2.017	2.911	10.7	21.3
4 21	15 14.77	−22 4.2	1.952	2.910	7.3	21.1
5 1	15 6.73	−21 22.4	1.913	2.910	3.5	20.9
5 11	14 58.08	−20 32.7	1.901	2.909	1.5	20.7
5 21	14 49.75	−19 39.2	1.918	2.909	5.0	21.0
5 31	14 42.62	−18 47.1	1.961	2.907	8.8	21.2
6 10	14 37.34	−18 1.3	2.029	2.906	12.1	21.4

377827 2006 BM_{102} 5 8.0 85°.83 1°.4/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 25.39	−15 34.8	1.848	2.679	14.3	21.2
4 11	15 21.17	−15 2.7	1.772	2.683	11.0	21.0
4 21	15 14.73	−14 23.0	1.718	2.687	7.1	20.7
5 1	15 6.72	−13 38.9	1.690	2.691	3.0	20.5
5 11	14 58.10	−12 54.5	1.688	2.695	2.3	20.4
5 21	14 49.86	−12 14.4	1.714	2.699	6.2	20.7
5 31	14 42.92	−11 43.1	1.765	2.703	10.2	20.9
6 10	14 37.96	−11 23.6	1.839	2.707	13.6	21.2

134667 1999 VQ_{164} 5 8.0 126°.63 1°.0/ 8.7 17

4 1	15 27.91	−22 9.2	1.680	2.499	16.1	20.3
4 11	15 23.42	−21 46.4	1.603	2.505	12.5	20.1
4 21	15 16.34	−21 10.0	1.548	2.511	8.4	19.8
5 1	15 7.44	−20 21.3	1.517	2.516	3.8	19.6
5 11	14 57.82	−19 24.2	1.513	2.522	1.5	19.4
5 21	14 48.67	−18 24.3	1.535	2.527	6.0	19.7
5 31	14 41.07	−17 28.2	1.584	2.532	10.3	20.0
6 10	14 35.78	−16 41.6	1.654	2.536	14.1	20.2

95123 2002 AP_{139} 5 8.0 291°.07 9°.0/13.1 18

4 1	15 30.24	−38 38.2	1.827	2.575	17.6	19.5
4 11	15 26.08	−39 42.3	1.727	2.558	15.3	19.3
4 21	15 18.69	−40 27.9	1.645	2.541	12.8	19.1
5 1	15 8.67	−40 48.8	1.584	2.524	10.4	18.9
5 11	14 57.21	−40 41.3	1.547	2.507	9.1	18.8
5 21	14 45.81	−40 5.9	1.534	2.491	9.7	18.7
5 31	14 36.03	−39 7.8	1.544	2.474	11.9	18.8
6 10	14 29.04	−37 56.2	1.577	2.458	14.8	19.0

274365 2008 RD_{72} 5 8.0 335°.67 8°.4/ 1.5 17

4 1	15 22.79	+ 0 4.2	1.660	2.507	15.0	20.3
4 11	15 19.34	+ 1 42.6	1.594	2.503	12.1	20.1
4 21	15 13.62	+ 3 17.7	1.551	2.500	9.6	20.0
5 1	15 6.28	+ 4 40.7	1.531	2.497	8.4	19.9
5 11	14 58.31	+ 5 43.7	1.536	2.494	9.4	19.9
5 21	14 50.71	+ 6 21.2	1.565	2.491	11.9	20.1
5 31	14 44.43	+ 6 31.1	1.616	2.489	14.8	20.2
6 10	14 40.14	+ 6 14.7	1.686	2.487	17.5	20.4

369030 2007 YN_{65} 5 8.0 352°.44 2°.8/ 6.6 17

4 1	15 27.57	−11 47.3	1.500	2.344	16.4	21.1
4 11	15 23.40	−11 27.6	1.425	2.343	12.7	20.9
4 21	15 16.48	−11 3.8	1.371	2.342	8.4	20.6
5 1	15 7.55	−10 39.4	1.341	2.341	4.0	20.4
5 11	14 57.77	−10 18.8	1.337	2.341	3.6	20.3
5 21	14 48.39	−10 6.2	1.358	2.340	7.8	20.6
5 31	14 40.58	−10 5.2	1.403	2.340	12.2	20.8
6 10	14 35.18	−10 17.6	1.469	2.341	16.1	21.1

138051 2000 DM_{34} 5 8.0 106°.38 2°.1/ 6.8 17

4 1	15 27.27	−14 6.3	1.669	2.504	15.4	19.5
4 11	15 22.81	−13 32.2	1.597	2.511	11.8	19.2
4 21	15 15.88	−12 51.5	1.548	2.517	7.7	19.0
5 1	15 7.23	−12 7.5	1.523	2.524	3.5	18.8
5 11	14 57.93	−11 25.1	1.525	2.530	2.9	18.7
5 21	14 49.07	−10 49.2	1.553	2.536	7.0	19.0
5 31	14 41.69	−10 24.1	1.607	2.542	11.1	19.2
6 10	14 36.50	−10 12.6	1.682	2.548	14.7	19.5

475258 2005 WM_{68} 5 8.0 248°.19 0°.5/ 7.6 18

4 1	15 23.74	−16 56.1	2.695	3.507	10.9	22.2
4 11	15 19.37	−16 38.7	2.593	3.494	8.4	22.0
4 21	15 13.34	−16 15.3	2.516	3.480	5.5	21.8
5 1	15 6.13	−15 47.5	2.466	3.467	2.3	21.5
5 11	14 58.38	−15 17.5	2.445	3.453	1.2	21.4
5 21	14 50.77	−14 48.1	2.453	3.439	4.5	21.6
5 31	14 43.98	−14 22.4	2.488	3.424	7.7	21.8
6 10	14 38.58	−14 3.0	2.549	3.410	10.5	22.0

297604 2001 SU_{220} 5 8.0 210°.70 3°.8/ 4.5 18

4 1	15 23.13	− 7 4.3	2.609	3.435	10.8	21.9
4 11	15 18.80	− 6 7.5	2.524	3.429	8.4	21.8
4 21	15 12.91	− 5 9.2	2.463	3.423	5.8	21.6
5 1	15 5.92	− 4 13.3	2.429	3.417	3.9	21.5
5 11	14 58.49	− 3 23.8	2.425	3.411	4.4	21.5
5 21	14 51.26	− 2 44.4	2.448	3.404	6.6	21.6
5 31	14 44.89	− 2 17.7	2.498	3.396	9.3	21.8
6 10	14 39.88	− 2 4.9	2.572	3.389	11.7	21.9

367109 2006 RQ_{77} 5 8.0 303°.85 4°.5/ 5.3 17

4 1	15 23.73	−11 14.3	1.387	2.243	16.8	21.4
4 11	15 20.97	−10 14.1	1.291	2.215	13.2	21.0
4 21	15 15.27	− 9 4.3	1.214	2.187	8.9	20.7
5 1	15 7.21	− 7 50.7	1.161	2.159	5.1	20.4
5 11	14 57.88	− 6 41.2	1.132	2.131	5.5	20.4
5 21	14 48.60	− 5 44.2	1.127	2.103	10.0	20.5
5 31	14 40.77	− 5 6.7	1.144	2.076	14.9	20.7
6 10	14 35.46	− 4 52.9	1.180	2.049	19.4	20.9

499258 2009 VV_9 5 8.0 174°.00 0°.0/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 27.32	−19 21.2	2.639	3.439	11.4	23.2
4 11	15 22.00	−18 51.4	2.550	3.443	8.8	23.0
4 21	15 14.98	−18 13.6	2.486	3.447	5.8	22.8
5 1	15 6.79	−17 29.2	2.449	3.449	2.4	22.6
5 11	14 58.15	−16 41.3	2.442	3.451	1.0	22.5
5 21	14 49.78	−15 53.1	2.465	3.452	4.5	22.7
5 31	14 42.40	−15 8.5	2.517	3.452	7.6	22.9
6 10	14 36.52	−14 30.9	2.594	3.451	10.4	23.1

462499 2008 VK_{76} 5 8.1 189°.18 1°.8/ 7.0 17

4 1	15 31.52	−14 1.3	1.751	2.575	15.3	22.0
4 11	15 26.10	−13 40.6	1.668	2.575	11.8	21.8
4 21	15 18.11	−13 13.9	1.607	2.574	7.7	21.5
5 1	15 8.23	−12 43.8	1.571	2.572	3.4	21.3
5 11	14 57.53	−12 13.9	1.563	2.569	2.6	21.2
5 21	14 47.18	−11 48.5	1.583	2.566	6.9	21.5
5 31	14 38.28	−11 31.7	1.628	2.561	11.1	21.7
6 10	14 31.65	−11 26.4	1.696	2.557	14.8	21.9

248996 2007 HK_{62} 5 8.1 256°.13 1°.0/ 9.3 18

4 1	15 18.77	−22 25.9	4.651	5.436	7.0	20.3
4 11	15 14.93	−22 32.5	4.549	5.430	5.5	20.2
4 21	15 10.15	−22 34.5	4.473	5.425	3.8	20.1
5 1	15 4.73	−22 32.2	4.425	5.419	1.9	19.9
5 11	14 59.03	−22 26.3	4.407	5.413	1.0	19.8
5 21	14 53.41	−22 17.8	4.419	5.408	2.6	20.0
5 31	14 48.24	−22 8.2	4.461	5.402	4.4	20.1
6 10	14 43.85	−21 59.1	4.529	5.396	6.1	20.2

467319 2000 UZ_{112} 5 8.1 245°.76 4°.2/ 5.9 18

4 1	15 35.05	− 3 17.4	2.323	3.128	12.6	21.5
4 11	15 28.32	− 3 19.5	2.217	3.109	10.0	21.2
4 21	15 19.39	− 3 25.9	2.136	3.089	7.1	21.0
5 1	15 8.77	− 3 39.3	2.082	3.069	4.7	20.8
5 11	14 57.30	− 4 2.0	2.059	3.048	4.7	20.8
5 21	14 45.90	− 4 35.3	2.065	3.026	7.3	20.9
5 31	14 35.52	− 5 19.8	2.100	3.004	10.5	21.1
6 10	14 26.91	− 6 14.8	2.160	2.980	13.5	21.2

99804 2002 LL_{14} 5 8.1 61°.99 2°.2/ 9.4 17

4 1	15 27.32	−24 46.1	1.472	2.294	17.8	19.5
4 11	15 23.41	−24 31.8	1.398	2.299	14.1	19.2
4 21	15 16.56	−24 0.1	1.344	2.304	9.7	19.0
5 1	15 7.62	−23 11.7	1.313	2.309	5.0	18.7
5 11	14 57.83	−22 10.2	1.307	2.314	2.4	18.6
5 21	14 48.58	−21 2.2	1.327	2.320	6.4	18.8
5 31	14 41.10	−19 55.6	1.371	2.325	11.0	19.1
6 10	14 36.21	−18 58.0	1.437	2.331	15.1	19.4

211501 2003 QX_2 5 8.1 220°.82 3°.6/ 5.6 17

4 1	15 27.43	−11 7.8	1.749	2.584	14.8	21.4
4 11	15 22.95	−10 10.8	1.665	2.578	11.5	21.2
4 21	15 16.04	− 9 7.7	1.603	2.571	7.7	20.9
5 1	15 7.37	− 8 3.4	1.566	2.563	4.2	20.7
5 11	14 57.92	− 7 4.0	1.557	2.555	4.5	20.7
5 21	14 48.79	− 6 15.3	1.575	2.547	8.1	20.9
5 31	14 41.00	− 5 41.9	1.617	2.538	12.0	21.1
6 10	14 35.32	− 5 26.3	1.681	2.529	15.6	21.3

306715 2000 WY_{50} 5 8.1 19°.98 5°.9/14.2 18

4 1	15 20.39	−46 17.4	0.878	1.674	28.9	16.5
4 11	15 19.28	−43 20.9	0.834	1.705	24.0	16.3
4 21	15 13.93	−39 19.9	0.805	1.739	18.1	16.1
5 1	15 6.28	−34 22.6	0.797	1.776	11.6	15.9
5 11	14 58.58	−28 54.3	0.814	1.815	6.3	15.7
5 21	14 52.52	−23 30.2	0.859	1.857	7.7	16.0
5 31	14 49.14	−18 42.0	0.931	1.901	12.7	16.4
6 10	14 48.73	−14 47.8	1.026	1.946	17.5	16.8

247008 1999 VY_{147} 5 8.1 226°.87 0°.3/ 7.7 17

4 1	15 22.71	−18 44.0	2.765	3.573	10.7	20.7
4 11	15 18.50	−18 7.8	2.667	3.566	8.3	20.6
4 21	15 12.74	−17 23.8	2.594	3.557	5.4	20.4
5 1	15 5.89	−16 33.9	2.548	3.549	2.2	20.1
5 11	14 58.57	−15 40.9	2.532	3.540	1.1	20.0
5 21	14 51.46	−14 48.5	2.545	3.532	4.4	20.3
5 31	14 45.17	−14 0.3	2.587	3.522	7.4	20.4
6 10	14 40.23	−13 19.4	2.653	3.513	10.1	20.6

178855 2001 KL_{18} 5 8.1 13°.53 5°.5/ 5.2 17

4 1	15 26.08	− 6 43.1	1.412	2.265	16.8	19.9
4 11	15 22.28	− 5 58.8	1.346	2.266	13.1	19.7
4 21	15 15.76	− 5 14.4	1.300	2.267	9.1	19.5
5 1	15 7.27	− 4 35.8	1.277	2.269	5.9	19.3
5 11	14 58.00	− 4 9.3	1.279	2.272	6.2	19.3
5 21	14 49.20	− 3 59.4	1.305	2.275	9.7	19.5
5 31	14 42.02	− 4 8.6	1.354	2.278	13.7	19.7
6 10	14 37.26	− 4 36.6	1.423	2.282	17.3	20.0

215991 2005 SZ_{125} 5 8.1 238°.00 0°.0/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 25.60	−17 41.8	2.546	3.355	11.5	20.8
4 11	15 20.90	−17 43.0	2.450	3.348	8.9	20.6
4 21	15 14.41	−17 38.7	2.378	3.340	5.9	20.4
5 1	15 6.64	−17 29.7	2.333	3.333	2.5	20.1
5 11	14 58.27	−17 17.5	2.316	3.325	1.0	20.0
5 21	14 50.07	−17 4.5	2.329	3.317	4.5	20.2
5 31	14 42.78	−16 53.3	2.369	3.309	7.8	20.4
6 10	14 37.00	−16 46.5	2.435	3.301	10.7	20.6

261463 2005 VS_{76} 5 8.1 185°.02 0°.7/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.65	−28 3.4	1.192	2.015	21.0	19.9
4 11	15 26.57	−26 16.0	1.113	2.016	16.7	19.6
4 21	15 18.89	−23 53.0	1.053	2.016	11.3	19.3
5 1	15 8.65	−20 58.4	1.016	2.016	5.1	19.0
5 11	14 57.48	−17 44.5	1.006	2.015	1.8	18.8
5 21	14 47.11	−14 29.8	1.022	2.013	8.2	19.1
5 31	14 39.03	−11 33.3	1.064	2.012	14.1	19.5
6 10	14 34.13	− 9 8.0	1.127	2.009	19.2	19.7

165268 2000 ST_{250} 5 8.1 156°.78 1°.9/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.98	−13 55.3	1.726	2.554	15.3	20.8
4 11	15 24.87	−13 29.0	1.651	2.560	11.8	20.5
4 21	15 17.26	−12 56.5	1.597	2.565	7.7	20.3
5 1	15 7.88	−12 20.9	1.569	2.569	3.4	20.1
5 11	14 57.80	−11 46.3	1.568	2.573	2.7	20.0
5 21	14 48.14	−11 17.3	1.594	2.577	6.9	20.3
5 31	14 39.95	−10 57.7	1.646	2.580	11.0	20.5
6 10	14 33.98	−10 50.5	1.720	2.582	14.6	20.8

428765 2008 SY_{152} 5 8.1 246°.09 1°.5/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.48	−22 5.1	2.044	2.851	14.0	21.3
4 11	15 22.89	−22 6.3	1.948	2.842	11.0	21.1
4 21	15 16.00	−21 57.3	1.873	2.832	7.5	20.9
5 1	15 7.39	−21 38.1	1.824	2.821	3.7	20.6
5 11	14 57.97	−21 10.5	1.803	2.811	1.7	20.4
5 21	14 48.74	−20 37.7	1.809	2.800	5.3	20.7
5 31	14 40.71	−20 4.3	1.842	2.789	9.2	20.9
6 10	14 34.63	−19 34.9	1.899	2.778	12.7	21.1

94649 2001 WJ_{47} 5 8.1 172°.89 2°.3/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.12	−25 20.7	1.871	2.668	15.5	19.8
4 11	15 25.78	−25 9.7	1.786	2.672	12.3	19.6
4 21	15 17.89	−24 44.0	1.722	2.675	8.6	19.4
5 1	15 8.16	−24 3.6	1.684	2.677	4.5	19.2
5 11	14 57.68	−23 10.9	1.673	2.679	2.4	19.0
5 21	14 47.61	−22 10.7	1.689	2.680	5.6	19.2
5 31	14 39.03	−21 9.5	1.733	2.679	9.7	19.5
6 10	14 32.72	−20 13.7	1.800	2.679	13.3	19.7

106739 2000 WS_{187} 5 8.1 314°.42 9°.5/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.39	−32 41.9	1.315	2.116	20.6	18.9
4 11	15 27.23	−34 17.2	1.225	2.098	17.6	18.7
4 21	15 20.12	−35 37.6	1.152	2.081	14.2	18.4
5 1	15 9.57	−36 34.9	1.099	2.064	11.0	18.2
5 11	14 56.96	−37 2.7	1.068	2.048	9.5	18.0
5 21	14 44.23	−36 59.3	1.059	2.032	10.9	18.0
5 31	14 33.47	−36 30.0	1.072	2.017	14.4	18.2
6 10	14 26.29	−35 45.5	1.105	2.003	18.3	18.4

183642 2003 WA_{55} 5 8.1 162°.31 2°.0/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.77	−23 12.5	1.838	2.643	15.4	21.2
4 11	15 25.55	−23 19.2	1.756	2.648	12.2	21.0
4 21	15 17.77	−23 14.2	1.695	2.651	8.4	20.7
5 1	15 8.13	−22 57.0	1.660	2.655	4.3	20.5
5 11	14 57.70	−22 29.5	1.651	2.658	2.2	20.4
5 21	14 47.63	−21 55.1	1.670	2.660	5.7	20.6
5 31	14 39.04	−21 19.2	1.715	2.662	9.7	20.8
6 10	14 32.71	−20 47.0	1.784	2.664	13.3	21.1

17850 1998 HR_{150} 5 8.1 113°.32 2°.3/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.58	−14 32.2	2.014	2.842	13.5	18.1
4 11	15 21.03	−13 27.2	1.945	2.854	10.2	17.9
4 21	15 14.49	−12 14.7	1.899	2.867	6.6	17.7
5 1	15 6.64	−10 59.3	1.880	2.879	3.1	17.5
5 11	14 58.35	− 9 46.4	1.889	2.891	3.1	17.5
5 21	14 50.49	− 8 41.4	1.926	2.903	6.4	17.7
5 31	14 43.87	− 7 49.1	1.989	2.914	9.9	18.0
6 10	14 39.05	− 7 11.9	2.076	2.925	13.0	18.2

198244 2004 TS_{206} 5 8.1 93°.54 0°.3/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.86	−18 19.3	1.899	2.722	14.3	20.8
4 11	15 21.53	−17 54.3	1.822	2.729	11.0	20.6
4 21	15 14.99	−17 20.1	1.768	2.735	7.2	20.3
5 1	15 6.91	−16 39.0	1.740	2.741	3.0	20.1
5 11	14 58.23	−15 54.5	1.739	2.747	1.4	20.0
5 21	14 49.94	−15 11.3	1.765	2.753	5.7	20.3
5 31	14 42.96	−14 33.9	1.817	2.759	9.6	20.5
6 10	14 37.93	−14 6.2	1.892	2.765	13.0	20.8

498624 2008 RR_{117} 5 8.1 180°.55 2°.0/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 25.10	−14 9.0	2.378	3.198	11.9	21.9
4 11	15 20.47	−13 12.4	2.293	3.199	9.1	21.7
4 21	15 14.08	−12 9.2	2.233	3.199	5.9	21.5
5 1	15 6.48	−11 3.0	2.200	3.199	2.8	21.3
5 11	14 58.42	− 9 58.1	2.197	3.199	2.7	21.3
5 21	14 50.64	− 8 59.1	2.222	3.198	5.8	21.5
5 31	14 43.87	− 8 10.0	2.275	3.197	9.0	21.7
6 10	14 38.66	− 7 33.6	2.352	3.195	11.8	21.9

85366 1996 AY_{13} 5 8.1 245°.66 4°.3/10.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.55	−27 3.1	1.668	2.465	17.1	20.5
4 11	15 27.67	−27 35.2	1.569	2.452	13.9	20.2
4 21	15 19.65	−27 53.5	1.491	2.438	10.2	20.0
5 1	15 9.12	−27 55.0	1.436	2.423	6.3	19.7
5 11	14 57.27	−27 38.8	1.407	2.408	4.3	19.5
5 21	14 45.53	−27 7.4	1.405	2.392	7.0	19.6
5 31	14 35.36	−26 26.5	1.427	2.376	11.2	19.8
6 10	14 27.85	−25 44.0	1.472	2.359	15.2	20.0

79536 1998 QM_{29} 5 8.1 120°.57 1°.8/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.87	−15 56.1	1.689	2.522	15.4	20.1
4 11	15 22.51	−15 8.1	1.617	2.529	11.8	19.9
4 21	15 15.72	−14 10.9	1.566	2.535	7.6	19.6
5 1	15 7.24	−13 8.2	1.540	2.541	3.3	19.4
5 11	14 58.13	−12 5.6	1.542	2.548	2.7	19.4
5 21	14 49.49	−11 9.1	1.570	2.553	6.8	19.6
5 31	14 42.30	−10 24.1	1.623	2.559	11.0	19.9
6 10	14 37.28	− 9 54.0	1.699	2.564	14.6	20.1

64870 2001 YU_{60} 5 8.1 185°.24 1°.6/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.82	−23 0.2	1.970	2.777	14.5	20.0
4 11	15 23.15	−22 55.8	1.884	2.777	11.4	19.8
4 21	15 16.14	−22 39.9	1.819	2.777	7.8	19.6
5 1	15 7.44	−22 12.5	1.780	2.776	3.9	19.3
5 11	14 58.03	−21 36.1	1.768	2.776	1.8	19.2
5 21	14 48.93	−20 54.3	1.784	2.775	5.3	19.4
5 31	14 41.14	−20 12.3	1.826	2.773	9.2	19.6
6 10	14 35.38	−19 35.2	1.892	2.772	12.7	19.8

146948 2002 EZ_{42} 5 8.1 141°.84 0°.2/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 23.98	−17 56.9	2.806	3.613	10.6	20.8
4 11	15 19.37	−17 36.8	2.724	3.621	8.1	20.6
4 21	15 13.26	−17 10.5	2.666	3.629	5.3	20.5
5 1	15 6.12	−16 39.6	2.636	3.637	2.2	20.3
5 11	14 58.60	−16 6.5	2.636	3.644	1.0	20.2
5 21	14 51.34	−15 33.9	2.665	3.651	4.1	20.4
5 31	14 44.94	−15 4.7	2.722	3.658	7.1	20.6
6 10	14 39.88	−14 41.5	2.804	3.665	9.6	20.8

151416 2002 ED_{145} 5 8.1 333°.57 1°.2/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 23.68	−22 13.1	2.337	3.144	12.5	20.3
4 11	15 19.60	−22 5.1	2.248	3.142	9.8	20.1
4 21	15 13.64	−21 47.5	2.182	3.141	6.6	19.9
5 1	15 6.35	−21 21.0	2.142	3.139	3.2	19.7
5 11	14 58.49	−20 47.9	2.130	3.138	1.4	19.5
5 21	14 50.88	−20 11.3	2.146	3.136	4.6	19.7
5 31	14 44.30	−19 35.0	2.189	3.135	8.0	19.9
6 10	14 39.35	−19 3.1	2.256	3.134	11.0	20.1

40113 1998 QZ_{13} 5 8.1 274°.29 0°.9/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 24.70	−17 0.0	1.955	2.782	13.8	18.1
4 11	15 20.73	−16 29.5	1.864	2.773	10.7	17.8
4 21	15 14.56	−15 50.3	1.795	2.763	7.0	17.6
5 1	15 6.79	−15 4.7	1.752	2.753	2.9	17.3
5 11	14 58.30	−14 16.6	1.736	2.744	1.8	17.2
5 21	14 50.05	−13 30.6	1.748	2.734	5.9	17.5
5 31	14 42.98	−12 51.6	1.785	2.725	9.9	17.7
6 10	14 37.79	−12 23.3	1.845	2.715	13.4	17.9

21668 1999 RS_{6} 5 8.1 84°.80 5°.9/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.87	− 6 23.3	1.533	2.377	16.1	18.3
4 11	15 23.19	− 5 4.6	1.481	2.396	12.5	18.1
4 21	15 16.06	− 3 45.7	1.452	2.415	8.8	17.9
5 1	15 7.33	− 2 33.9	1.447	2.434	6.2	17.8
5 11	14 58.13	− 1 36.6	1.468	2.453	6.8	17.9
5 21	14 49.58	− 0 58.6	1.515	2.472	9.8	18.1
5 31	14 42.63	− 0 42.6	1.585	2.490	13.2	18.4
6 10	14 37.93	− 0 48.1	1.675	2.508	16.3	18.6

310281 2011 UL_{64} 5 8.1 218°.00 1°.7/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.50	−11 48.6	2.784	3.598	10.5	21.1
4 11	15 20.62	−11 36.2	2.689	3.591	8.1	20.9
4 21	15 14.14	−11 21.4	2.619	3.583	5.3	20.7
5 1	15 6.54	−11 6.1	2.576	3.575	2.5	20.5
5 11	14 58.43	−10 52.4	2.563	3.566	2.2	20.5
5 21	14 50.48	−10 42.5	2.579	3.557	4.9	20.6
5 31	14 43.34	−10 38.4	2.623	3.548	7.8	20.8
6 10	14 37.54	−10 41.8	2.692	3.538	10.4	21.0

384457 2010 BY_1 5 8.1 223°.80 2°.0/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 26.13	−24 29.5	1.986	2.791	14.4	21.0
4 11	15 21.86	−24 20.2	1.898	2.789	11.4	20.8
4 21	15 15.30	−23 58.0	1.832	2.787	7.9	20.6
5 1	15 7.10	−23 23.0	1.790	2.785	4.1	20.4
5 11	14 58.19	−22 37.6	1.776	2.783	2.1	20.2
5 21	14 49.60	−21 46.1	1.790	2.781	5.3	20.4
5 31	14 42.28	−20 53.8	1.829	2.779	9.1	20.6
6 10	14 36.95	−20 6.4	1.893	2.776	12.5	20.8

392602 2011 SH_{234} 5 8.1 170°.72 2°.2/ 5.9 17

4 1	15 23.19	−12 7.0	2.690	3.510	10.7	22.1
4 11	15 18.81	−11 20.4	2.608	3.513	8.1	22.0
4 21	15 12.92	−10 29.9	2.550	3.515	5.3	21.8
5 1	15 5.99	− 9 38.5	2.520	3.517	2.7	21.6
5 11	14 58.67	− 8 49.6	2.519	3.519	2.8	21.6
5 21	14 51.59	− 8 6.7	2.547	3.520	5.3	21.8
5 31	14 45.38	− 7 32.7	2.603	3.521	8.1	22.0
6 10	14 40.50	− 7 9.6	2.683	3.522	10.7	22.2

176474 2001 XX_{154} 5 8.1 189°.00 3°.5/ 5.2 18

4 1	15 24.74	− 5 58.4	2.712	3.532	10.6	21.0
4 11	15 19.98	− 5 28.7	2.629	3.531	8.2	20.8
4 21	15 13.68	− 4 59.6	2.571	3.530	5.7	20.6
5 1	15 6.32	− 4 33.9	2.540	3.528	3.7	20.5
5 11	14 58.53	− 4 14.7	2.538	3.527	4.0	20.5
5 21	14 50.96	− 4 4.3	2.565	3.524	6.1	20.7
5 31	14 44.22	− 4 4.4	2.618	3.522	8.7	20.8
6 10	14 38.83	− 4 15.5	2.696	3.519	11.1	21.0

485118 2010 KY_7 5 8.1 241°.17 7°.2/15.8 18

4 1	15 29.56	−45 42.0	3.026	3.692	12.8	21.8
4 11	15 24.24	−46 2.2	2.914	3.678	11.4	21.7
4 21	15 16.76	−46 4.8	2.821	3.663	9.8	21.5
5 1	15 7.70	−45 46.5	2.750	3.647	8.3	21.4
5 11	14 57.94	−45 6.4	2.705	3.632	7.4	21.3
5 21	14 48.43	−44 5.6	2.686	3.616	7.4	21.3
5 31	14 40.08	−42 48.3	2.694	3.599	8.4	21.3
6 10	14 33.59	−41 20.3	2.727	3.582	10.1	21.4

314477 2005 WS_{97} 5 8.1 234°.80 1°.3/ 9.4 18

4 1	15 24.06	−24 9.9	3.091	3.876	10.2	22.2
4 11	15 19.49	−23 51.2	2.981	3.862	8.1	22.1
4 21	15 13.40	−23 23.2	2.895	3.846	5.6	21.9
5 1	15 6.23	−22 46.4	2.836	3.831	2.9	21.7
5 11	14 58.56	−22 2.7	2.808	3.814	1.4	21.5
5 21	14 51.04	−21 14.7	2.809	3.798	3.8	21.7
5 31	14 44.29	−20 25.9	2.838	3.781	6.6	21.9
6 10	14 38.80	−19 39.8	2.894	3.763	9.1	22.0

498030 2007 GV_{47} 5 8.1 325°.78 1°.6/ 7.4 17

4 1	15 30.88	−11 52.4	1.768	2.596	15.0	20.8
4 11	15 25.68	−12 11.5	1.685	2.593	11.6	20.6
4 21	15 17.92	−12 29.5	1.624	2.591	7.7	20.4
5 1	15 8.26	−12 47.6	1.588	2.589	3.4	20.1
5 11	14 57.72	−13 7.3	1.580	2.587	2.3	20.0
5 21	14 47.45	−13 30.2	1.599	2.585	6.5	20.3
5 31	14 38.57	−13 57.9	1.644	2.583	10.7	20.5
6 10	14 31.89	−14 31.8	1.712	2.581	14.3	20.7

216759 2005 SG_{45} 5 8.1 268°.72 0°.4/ 8.4 16

4 1	15 23.73	−19 57.9	2.398	3.209	12.1	21.0
4 11	15 19.63	−19 41.5	2.300	3.198	9.4	20.8
4 21	15 13.68	−19 16.6	2.226	3.188	6.2	20.5
5 1	15 6.39	−18 44.4	2.177	3.177	2.7	20.3
5 11	14 58.51	−18 7.3	2.158	3.166	1.0	20.1
5 21	14 50.80	−17 28.7	2.166	3.156	4.7	20.4
5 31	14 44.06	−16 52.3	2.202	3.145	8.1	20.6
6 10	14 38.88	−16 21.8	2.262	3.134	11.2	20.7

114668 2003 FN_{42} 5 8.1 334°.68 1°.2/ 7.3 18

4 1	15 23.13	−15 20.6	1.989	2.821	13.4	19.5
4 11	15 19.45	−15 0.3	1.903	2.814	10.3	19.3
4 21	15 13.69	−14 33.5	1.839	2.808	6.7	19.1
5 1	15 6.42	−14 2.8	1.801	2.802	2.9	18.8
5 11	14 58.50	−13 31.4	1.790	2.797	2.0	18.7
5 21	14 50.82	−13 3.2	1.805	2.792	5.8	19.0
5 31	14 44.26	−12 41.8	1.847	2.787	9.6	19.2
6 10	14 39.51	−12 30.2	1.911	2.782	13.0	19.4

428753 2008 SO_{58} 5 8.1 237°.25 4°.4/ 4.3 17

4 1	15 23.95	− 8 41.9	2.078	2.912	12.8	21.6
4 11	15 19.90	− 7 22.8	1.993	2.904	9.9	21.4
4 21	15 13.88	− 5 59.2	1.932	2.896	6.9	21.2
5 1	15 6.48	− 4 36.6	1.898	2.888	4.6	21.0
5 11	14 58.49	− 3 21.1	1.891	2.879	5.2	21.0
5 21	14 50.76	− 2 18.4	1.912	2.870	8.0	21.2
5 31	14 44.10	− 1 32.6	1.959	2.861	11.2	21.3
6 10	14 39.14	− 1 5.8	2.027	2.852	14.2	21.5

58297 1994 PA_3 5 8.1 215°.11 0°.3/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 24.01	−17 52.9	2.702	3.511	10.9	20.1
4 11	15 19.57	−17 32.0	2.607	3.505	8.4	19.9
4 21	15 13.50	−17 4.6	2.536	3.499	5.5	19.7
5 1	15 6.29	−16 32.0	2.492	3.493	2.3	19.5
5 11	14 58.58	−15 56.9	2.478	3.486	1.1	19.3
5 21	14 51.07	−15 22.0	2.492	3.479	4.4	19.6
5 31	14 44.41	−14 50.7	2.535	3.472	7.5	19.8
6 10	14 39.14	−14 25.6	2.602	3.464	10.3	19.9

11382 1998 SW_{127} 5 8.1 259°.19 2°.9/ 6.4 17

4 1	15 28.49	−13 14.2	1.510	2.351	16.5	18.6
4 11	15 24.37	−12 33.1	1.420	2.335	12.8	18.4
4 21	15 17.36	−11 43.8	1.350	2.320	8.5	18.1
5 1	15 8.13	−10 50.1	1.304	2.304	4.1	17.8
5 11	14 57.79	− 9 58.0	1.283	2.287	3.8	17.7
5 21	14 47.65	− 9 13.8	1.289	2.270	8.3	17.9
5 31	14 39.02	− 8 43.2	1.318	2.253	13.1	18.1
6 10	14 32.86	− 8 30.0	1.368	2.235	17.4	18.3

424587 2008 GP_{66} 5 8.1 125°.26 2°.3/ 6.9 17

4 1	15 28.41	−12 17.4	1.699	2.533	15.2	21.2
4 11	15 23.77	−12 2.2	1.623	2.535	11.7	21.0
4 21	15 16.63	−11 43.1	1.568	2.536	7.7	20.7
5 1	15 7.69	−11 22.8	1.538	2.538	3.6	20.5
5 11	14 58.01	−11 5.2	1.535	2.539	3.0	20.5
5 21	14 48.69	−10 53.7	1.558	2.541	7.0	20.7
5 31	14 40.80	−10 51.5	1.607	2.542	11.1	20.9
6 10	14 35.10	−11 0.7	1.678	2.544	14.7	21.2

122391 2000 QZ_{75} 5 8.1 202°.96 2°.5/ 3.9 18

4 1	15 15.66	− 4 9.6	4.931	5.749	6.2	20.3
4 11	15 12.48	− 3 33.9	4.847	5.747	4.8	20.2
4 21	15 8.55	− 2 59.0	4.790	5.744	3.4	20.1
5 1	15 4.13	− 2 26.6	4.761	5.741	2.6	20.1
5 11	14 59.51	− 1 58.6	4.762	5.739	2.8	20.1
5 21	14 54.98	− 1 36.4	4.792	5.736	4.0	20.2
5 31	14 50.85	− 1 21.0	4.849	5.733	5.4	20.3
6 10	14 47.38	− 1 13.0	4.931	5.730	6.8	20.4

150055 2006 QM_{113} 5 8.1 296°.17 4°.5/ 4.9 18

4 1	15 24.09	−12 12.7	1.479	2.329	16.3	20.2
4 11	15 21.12	−10 51.6	1.378	2.300	12.7	19.9
4 21	15 15.35	− 9 17.7	1.298	2.270	8.6	19.5
5 1	15 7.33	− 7 37.0	1.242	2.240	5.0	19.2
5 11	14 58.12	− 5 58.4	1.212	2.209	5.6	19.2
5 21	14 48.97	− 4 31.5	1.207	2.179	10.0	19.3
5 31	14 41.18	− 3 25.1	1.225	2.149	14.8	19.5
6 10	14 35.77	− 2 44.1	1.262	2.119	19.1	19.7

505146 2012 OU_2 5 8.1 214°.59 2°.9/10.1 18

4 1	15 28.78	−26 23.1	2.431	3.213	12.8	22.1
4 11	15 23.62	−26 39.8	2.332	3.206	10.3	21.9
4 21	15 16.37	−26 46.0	2.255	3.199	7.4	21.7
5 1	15 7.58	−26 40.5	2.205	3.192	4.4	21.5
5 11	14 58.07	−26 24.0	2.183	3.184	2.9	21.4
5 21	14 48.72	−25 58.4	2.189	3.176	4.9	21.5
5 31	14 40.44	−25 27.7	2.223	3.167	8.0	21.7
6 10	14 33.90	−24 56.2	2.282	3.157	11.0	21.9

297825 2002 AA_{150} 5 8.1 208°.77 8°.7/28.5 18

4 1	15 25.40	+16 6.2	2.990	3.761	10.9	21.0
4 11	15 20.36	+17 6.1	2.925	3.754	9.7	20.9
4 21	15 13.88	+17 54.3	2.883	3.747	8.9	20.9
5 1	15 6.42	+18 26.0	2.866	3.740	8.8	20.8
5 11	14 58.58	+18 38.0	2.873	3.732	9.3	20.9
5 21	14 50.97	+18 28.7	2.905	3.724	10.4	20.9
5 31	14 44.17	+17 58.5	2.958	3.716	11.7	21.0
6 10	14 38.65	+17 9.3	3.032	3.706	13.0	21.1

72832 2001 HW_{14} 5 8.1 295°.67 1°.4/ 8.9 18

4 1	15 26.71	−21 21.3	1.935	2.749	14.4	20.1
4 11	15 22.39	−21 27.3	1.846	2.745	11.3	19.9
4 21	15 15.73	−21 23.7	1.780	2.740	7.7	19.7
5 1	15 7.35	−21 10.6	1.738	2.736	3.7	19.4
5 11	14 58.17	−20 49.7	1.724	2.732	1.6	19.3
5 21	14 49.25	−20 24.2	1.736	2.728	5.4	19.5
5 31	14 41.59	−19 58.4	1.775	2.724	9.4	19.7
6 10	14 35.95	−19 36.7	1.837	2.720	12.9	20.0

180430 2004 BF_{93} 5 8.1 225°.84 3°.8/ 4.9 18

4 1	15 27.35	−10 2.6	2.116	2.942	13.0	20.5
4 11	15 22.55	− 8 53.4	2.022	2.929	10.0	20.3
4 21	15 15.67	− 7 38.5	1.952	2.916	6.8	20.1
5 1	15 7.28	− 6 22.7	1.909	2.902	4.1	19.9
5 11	14 58.21	− 5 11.9	1.894	2.887	4.6	19.9
5 21	14 49.36	− 4 11.4	1.908	2.871	7.6	20.0
5 31	14 41.59	− 3 25.8	1.948	2.855	11.0	20.2
6 10	14 35.59	− 2 57.5	2.011	2.838	14.2	20.4

176363 2001 TD_{117} 5 8.1 125°.12 0°.2/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 26.26	−17 17.5	3.011	3.811	10.1	21.1
4 11	15 20.96	−17 9.3	2.936	3.829	7.8	20.9
4 21	15 14.23	−16 56.1	2.886	3.847	5.0	20.7
5 1	15 6.55	−16 39.2	2.864	3.864	2.1	20.6
5 11	14 58.55	−16 20.2	2.873	3.881	0.9	20.5
5 21	14 50.82	−16 1.3	2.911	3.897	3.9	20.7
5 31	14 43.95	−15 44.9	2.978	3.913	6.6	20.9
6 10	14 38.38	−15 32.9	3.072	3.928	9.0	21.1

219547 2001 RD_{44} 5 8.1 210°.23 2°.2/ 6.5 17

4 1	15 28.11	−12 12.6	2.260	3.079	12.5	21.4
4 11	15 23.00	−11 44.6	2.168	3.072	9.6	21.1
4 21	15 15.89	−11 12.6	2.100	3.065	6.3	20.9
5 1	15 7.36	−10 39.1	2.058	3.057	3.1	20.7
5 11	14 58.19	−10 7.6	2.045	3.048	2.8	20.7
5 21	14 49.24	− 9 41.4	2.061	3.039	6.0	20.9
5 31	14 41.33	− 9 23.6	2.104	3.028	9.5	21.0
6 10	14 35.11	− 9 16.6	2.171	3.018	12.6	21.2

505441 2013 SF_{58} 5 8.1 199°.93 1°.4/ 6.7 17

4 1	15 27.60	−20 2.1	2.114	2.924	13.5	21.7
4 11	15 22.65	−18 20.6	2.021	2.922	10.4	21.5
4 21	15 15.63	−16 23.6	1.953	2.918	6.7	21.3
5 1	15 7.22	−14 15.8	1.914	2.915	2.8	21.0
5 11	14 58.27	−12 4.4	1.905	2.911	2.3	21.0
5 21	14 49.72	− 9 57.9	1.927	2.906	6.2	21.2
5 31	14 42.40	− 8 4.1	1.978	2.901	10.0	21.4
6 10	14 36.91	− 6 28.7	2.053	2.896	13.3	21.6

141209 2001 XO_{212} 5 8.1 174°.38 0°.6/ 8.6 18

4 1	15 24.13	−21 31.4	2.708	3.508	11.2	20.4
4 11	15 19.64	−21 5.1	2.618	3.510	8.7	20.2
4 21	15 13.52	−20 30.0	2.553	3.511	5.8	20.0
5 1	15 6.30	−19 47.3	2.514	3.513	2.6	19.8
5 11	14 58.64	−18 59.5	2.505	3.514	1.0	19.7
5 21	14 51.24	−18 10.1	2.525	3.514	4.1	19.9
5 31	14 44.74	−17 22.7	2.573	3.514	7.2	20.1
6 10	14 39.65	−16 40.9	2.647	3.514	9.9	20.3

160766 2000 SY_{130} 5 8.1 145°.35 0°.0/ 7.9 18

4 1	15 23.70	−20 34.4	2.603	3.409	11.4	20.0
4 11	15 19.30	−19 46.4	2.519	3.415	8.8	19.9
4 21	15 13.28	−18 49.0	2.459	3.421	5.7	19.7
5 1	15 6.19	−17 44.2	2.426	3.426	2.4	19.5
5 11	14 58.70	−16 35.7	2.423	3.432	1.0	19.4
5 21	14 51.52	−15 27.9	2.450	3.437	4.4	19.6
5 31	14 45.29	−14 24.9	2.504	3.442	7.5	19.8
6 10	14 40.52	−13 30.6	2.585	3.447	10.3	20.0

146234 2000 WF_{143} 5 8.1 225°.53 6°.1/ 1.6 18

4 1	15 23.30	+ 4 12.3	2.963	3.773	10.0	20.8
4 11	15 18.81	+ 5 10.2	2.880	3.762	8.3	20.7
4 21	15 12.92	+ 6 3.1	2.823	3.750	6.8	20.5
5 1	15 6.05	+ 6 46.7	2.792	3.738	6.1	20.5
5 11	14 58.76	+ 7 17.5	2.788	3.726	6.7	20.5
5 21	14 51.63	+ 7 32.9	2.812	3.713	8.2	20.6
5 31	14 45.24	+ 7 31.8	2.860	3.699	10.0	20.7
6 10	14 40.04	+ 7 14.7	2.930	3.686	11.8	20.8

380867 2006 BV_{221} 5 8.1 277°.80 3°.6/ 5.6 17

4 1	15 24.87	−10 2.2	1.847	2.685	14.0	21.2
4 11	15 20.85	− 9 14.3	1.768	2.682	10.8	21.0
4 21	15 14.64	− 8 22.6	1.712	2.679	7.3	20.7
5 1	15 6.86	− 7 31.5	1.681	2.676	4.2	20.5
5 11	14 58.42	− 6 46.4	1.676	2.673	4.4	20.5
5 21	14 50.31	− 6 11.9	1.699	2.671	7.6	20.7
5 31	14 43.43	− 5 51.5	1.746	2.668	11.2	20.9
6 10	14 38.46	− 5 47.0	1.815	2.665	14.5	21.1

67249 2000 EJ_{96} 5 8.1 270°.72 3°.9/ 5.5 18

4 1	15 25.67	−10 18.2	1.709	2.550	14.9	18.8
4 11	15 21.75	− 9 26.1	1.623	2.538	11.5	18.6
4 21	15 15.40	− 8 28.7	1.558	2.526	7.8	18.3
5 1	15 7.24	− 7 31.1	1.519	2.515	4.5	18.1
5 11	14 58.26	− 6 39.1	1.506	2.503	4.7	18.1
5 21	14 49.53	− 5 58.3	1.518	2.491	8.3	18.3
5 31	14 42.10	− 5 33.3	1.556	2.479	12.3	18.5
6 10	14 36.77	− 5 26.1	1.614	2.467	15.9	18.7

405303 2003 UW_{17} 5 8.1 171°.11 0°.1/ 8.2 16

4 1	15 30.09	−19 27.8	2.094	2.901	13.7	22.9
4 11	15 24.65	−19 6.6	2.010	2.906	10.6	22.7
4 21	15 17.01	−18 35.9	1.948	2.910	7.0	22.5
5 1	15 7.84	−17 57.2	1.913	2.913	3.0	22.2
5 11	14 58.05	−17 13.7	1.906	2.915	1.2	22.1
5 21	14 48.60	−16 29.3	1.928	2.916	5.3	22.4
5 31	14 40.41	−15 48.7	1.978	2.917	9.1	22.6
6 10	14 34.16	−15 16.0	2.051	2.917	12.5	22.8

367261 2007 TT_1 5 8.1 187°.10 1°.5/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 18.87	−10 49.8	4.427	5.238	6.9	22.3
4 11	15 15.00	−10 19.3	4.337	5.237	5.3	22.2
4 21	15 10.23	− 9 47.2	4.273	5.236	3.5	22.1
5 1	15 4.87	− 9 15.0	4.238	5.234	1.8	22.0
5 11	14 59.27	− 8 44.7	4.234	5.232	1.9	22.0
5 21	14 53.80	− 8 17.9	4.259	5.230	3.5	22.1
5 31	14 48.79	− 7 56.2	4.314	5.227	5.3	22.2
6 10	14 44.56	− 7 40.6	4.394	5.223	7.0	22.3

39443 2394 T_{-3} 5 8.1 197°.01 6°.0/12.2 18

4 1	15 32.67	−36 11.5	2.796	3.520	12.6	19.9
4 11	15 26.67	−37 12.7	2.698	3.518	10.8	19.8
4 21	15 18.45	−38 1.5	2.623	3.515	8.7	19.6
5 1	15 8.52	−38 34.6	2.572	3.513	6.9	19.5
5 11	14 57.73	−38 50.2	2.549	3.510	6.0	19.4
5 21	14 47.01	−38 48.7	2.554	3.507	6.6	19.5
5 31	14 37.32	−38 32.7	2.587	3.503	8.2	19.6
6 10	14 29.44	−38 7.1	2.644	3.500	10.3	19.7

17336 3193 T_{-2} 5 8.1 195°.90 3°.9/ 4.7 18

4 1	15 23.19	− 6 45.1	2.409	3.238	11.5	18.8
4 11	15 19.02	− 5 56.1	2.329	3.237	8.9	18.6
4 21	15 13.18	− 5 6.5	2.274	3.236	6.2	18.4
5 1	15 6.18	− 4 20.0	2.246	3.234	4.1	18.3
5 11	14 58.73	− 3 40.8	2.246	3.233	4.5	18.3
5 21	14 51.52	− 3 12.2	2.273	3.232	6.9	18.4
5 31	14 45.25	− 2 56.5	2.326	3.230	9.6	18.6
6 10	14 40.43	− 2 54.8	2.402	3.228	12.2	18.8

89045 2001 TP_{114} 5 8.1 249°.25 0°.8/ 8.7 18

4 1	15 27.64	−21 28.0	2.037	2.846	14.0	20.1
4 11	15 23.09	−21 9.8	1.933	2.830	11.0	19.9
4 21	15 16.22	−20 40.1	1.852	2.813	7.4	19.6
5 1	15 7.59	−19 59.7	1.797	2.796	3.4	19.3
5 11	14 58.12	−19 11.3	1.770	2.778	1.3	19.1
5 21	14 48.81	−18 19.1	1.770	2.760	5.4	19.4
5 31	14 40.67	−17 28.4	1.797	2.742	9.5	19.6
6 10	14 34.48	−16 44.6	1.848	2.722	13.2	19.8

180119 2003 FA_{49} 5 8.1 325°.90 5°.0/ 4.3 16

4 1	15 20.76	− 6 51.3	1.853	2.700	13.6	19.4
4 11	15 17.80	− 5 50.4	1.765	2.682	10.7	19.1
4 21	15 12.73	− 4 47.0	1.699	2.664	7.5	18.9
5 1	15 6.10	− 3 46.6	1.658	2.647	5.2	18.7
5 11	14 58.75	− 2 55.3	1.643	2.630	5.8	18.7
5 21	14 51.58	− 2 18.3	1.653	2.614	8.8	18.9
5 31	14 45.51	− 1 59.2	1.687	2.599	12.2	19.0
6 10	14 41.25	− 1 59.3	1.743	2.584	15.4	19.2

428262 2007 CT_{60} 5 8.1 57°.50 4°.6/ 5.8 17

4 1	15 28.63	− 7 6.0	1.522	2.365	16.2	20.4
4 11	15 23.89	− 6 37.2	1.468	2.383	12.5	20.2
4 21	15 16.63	− 6 9.3	1.435	2.401	8.5	20.0
5 1	15 7.67	− 5 47.0	1.426	2.419	5.2	19.8
5 11	14 58.16	− 5 34.7	1.442	2.437	5.3	19.9
5 21	14 49.27	− 5 35.6	1.484	2.456	8.5	20.1
5 31	14 42.00	− 5 51.2	1.551	2.475	12.2	20.4
6 10	14 37.03	− 6 21.3	1.638	2.493	15.5	20.6

135727 2002 PJ_{107} 5 8.1 186°.79 0°.0/ 7.9 17

4 1	15 29.70	−18 34.2	2.086	2.896	13.7	20.9
4 11	15 24.42	−18 19.5	1.997	2.896	10.6	20.7
4 21	15 16.92	−17 56.2	1.932	2.895	7.0	20.5
5 1	15 7.83	−17 25.9	1.893	2.893	3.0	20.2
5 11	14 58.06	−16 51.2	1.883	2.891	1.2	20.1
5 21	14 48.59	−16 15.8	1.900	2.888	5.4	20.3
5 31	14 40.33	−15 44.0	1.946	2.885	9.2	20.6
6 10	14 34.00	−15 19.6	2.015	2.881	12.6	20.8

286280 2001 VO_{100} 5 8.1 181°.01 2°.6/ 5.6 18

4 1	15 23.37	−10 39.2	2.684	3.505	10.6	21.0
4 11	15 18.98	− 9 51.8	2.600	3.506	8.1	20.9
4 21	15 13.08	− 9 1.2	2.542	3.506	5.4	20.7
5 1	15 6.13	− 8 10.7	2.511	3.506	3.0	20.5
5 11	14 58.78	− 7 23.8	2.509	3.506	3.1	20.5
5 21	14 51.65	− 6 43.8	2.536	3.505	5.6	20.7
5 31	14 45.38	− 6 13.6	2.591	3.504	8.4	20.9
6 10	14 40.45	− 5 54.8	2.669	3.503	10.9	21.0

391012 2005 SL_{174} 5 8.1 283°.63 0°.5/ 8.5 16

4 1	15 23.07	−21 22.8	2.304	3.115	12.5	21.6
4 11	15 19.18	−20 53.6	2.212	3.109	9.7	21.4
4 21	15 13.42	−20 13.9	2.142	3.104	6.5	21.2
5 1	15 6.33	−19 25.3	2.098	3.098	2.9	21.0
5 11	14 58.68	−18 30.8	2.083	3.092	1.1	20.8
5 21	14 51.28	−17 34.6	2.096	3.086	4.7	21.1
5 31	14 44.89	−16 41.4	2.136	3.080	8.2	21.3
6 10	14 40.12	−15 55.4	2.200	3.074	11.4	21.5

469384 2001 SA_{209} 5 8.1 174.°36 2.°8/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 28.08	−26 15.4	2.511	3.293	12.4	21.7
4 11	15 22.96	−26 35.8	2.420	3.294	10.0	21.6
4 21	15 15.88	−26 46.2	2.352	3.295	7.1	21.4
5 1	15 7.38	−26 45.6	2.310	3.296	4.3	21.2
5 11	14 58.25	−26 34.6	2.296	3.297	2.8	21.1
5 21	14 49.35	−26 15.2	2.311	3.297	4.7	21.2
5 31	14 41.47	−25 50.7	2.354	3.298	7.6	21.4
6 10	14 35.28	−25 25.3	2.422	3.297	10.4	21.6

68519 2001 VW_{15} 5 8.1 344.°74 5.°1/30.4 18

4 1	15 17.15	+ 9 28.0	4.419	5.213	7.2	19.0
4 11	15 13.69	+10 5.9	4.352	5.213	6.2	19.0
4 21	15 9.39	+10 37.9	4.311	5.213	5.4	18.9
5 1	15 4.52	+11 1.3	4.296	5.212	5.1	18.9
5 11	14 59.45	+11 14.3	4.308	5.212	5.4	18.9
5 21	14 54.50	+11 15.9	4.346	5.212	6.3	19.0
5 31	14 50.02	+11 5.6	4.408	5.211	7.4	19.0
6 10	14 46.29	+10 43.9	4.493	5.211	8.5	19.1

92827 2000 QJ_{182} 5 8.1 197.°55 0.°9/ 7.5 18

4 1	15 28.23	−15 33.2	2.142	2.959	13.1	20.5
4 11	15 23.22	−15 21.5	2.054	2.957	10.1	20.3
4 21	15 16.12	−15 4.0	1.989	2.954	6.6	20.0
5 1	15 7.50	−14 42.4	1.950	2.951	2.8	19.8
5 11	14 58.22	−14 19.6	1.940	2.948	1.7	19.7
5 21	14 49.19	−13 58.5	1.958	2.944	5.5	19.9
5 31	14 41.30	−13 42.5	2.003	2.939	9.2	20.2
6 10	14 35.21	−13 34.3	2.072	2.935	12.5	20.4

381814 2009 VJ_{25} 5 8.1 245.°84 1.°5/ 9.3 17

4 1	15 26.60	−25 13.3	1.964	2.767	14.7	22.0
4 11	15 22.34	−24 34.5	1.865	2.755	11.6	21.8
4 21	15 15.72	−23 39.1	1.787	2.744	8.0	21.5
5 1	15 7.37	−22 28.2	1.735	2.731	4.0	21.2
5 11	14 58.27	−21 5.4	1.711	2.719	1.7	21.1
5 21	14 49.44	−19 36.8	1.715	2.706	5.4	21.3
5 31	14 41.90	−18 9.7	1.746	2.693	9.6	21.5
6 10	14 36.40	−16 51.0	1.801	2.680	13.3	21.7

225060 2007 HG_4 5 8.1 272.°18 1.°7/ 6.7 18

4 1	15 23.11	−12 16.3	2.668	3.489	10.7	20.4
4 11	15 18.92	−11 59.2	2.574	3.480	8.2	20.2
4 21	15 13.12	−11 39.1	2.504	3.470	5.4	20.0
5 1	15 6.20	−11 18.1	2.461	3.460	2.6	19.8
5 11	14 58.76	−10 58.7	2.447	3.451	2.2	19.8
5 21	14 51.48	−10 43.4	2.461	3.441	5.0	20.0
5 31	14 45.02	−10 34.4	2.503	3.431	8.0	20.1
6 10	14 39.90	−10 33.5	2.569	3.421	10.7	20.3

104186 2000 EH_{98} 5 8.1 205.°48 1.°8/ 6.6 18

4 1	15 25.60	−13 18.8	2.504	3.321	11.4	21.4
4 11	15 20.88	−12 46.6	2.413	3.316	8.8	21.2
4 21	15 14.43	−12 9.8	2.346	3.311	5.7	21.0
5 1	15 6.75	−11 30.9	2.306	3.305	2.7	20.8
5 11	14 58.54	−10 53.0	2.295	3.299	2.4	20.8
5 21	14 50.55	−10 19.5	2.313	3.292	5.4	20.9
5 31	14 43.48	− 9 53.5	2.359	3.284	8.5	21.1
6 10	14 37.91	− 9 37.3	2.429	3.276	11.4	21.3

424287 2007 TU_{142} 5 8.1 244.°12 2.°1/ 9.4 17

4 1	15 29.50	−24 37.9	1.770	2.576	15.9	21.8
4 11	15 24.96	−24 24.9	1.670	2.561	12.7	21.5
4 21	15 17.68	−23 56.6	1.590	2.546	8.8	21.2
5 1	15 8.29	−23 12.7	1.536	2.531	4.6	20.9
5 11	14 57.88	−22 15.5	1.508	2.515	2.2	20.7
5 21	14 47.67	−21 10.0	1.507	2.498	6.0	21.0
5 31	14 38.88	−20 3.3	1.532	2.481	10.5	21.2
6 10	14 32.43	−19 2.6	1.580	2.463	14.6	21.4

66270 1999 JK_4 5 8.1 240.°42 0.°7/ 7.5 18

4 1	15 29.05	−21 17.6	1.928	2.738	14.6	18.9
4 11	15 24.22	−19 58.7	1.822	2.721	11.4	18.7
4 21	15 16.96	−18 22.1	1.740	2.704	7.5	18.4
5 1	15 7.92	−16 30.7	1.685	2.685	3.1	18.1
5 11	14 58.06	−14 31.1	1.658	2.666	1.8	18.0
5 21	14 48.46	−12 31.5	1.662	2.646	6.4	18.2
5 31	14 40.16	−10 41.1	1.693	2.625	10.8	18.4
6 10	14 33.93	− 9 7.0	1.748	2.604	14.7	18.6

165023 2000 CD_{132} 5 8.1 268.°30 0.°5/ 8.5 18

4 1	15 25.60	−19 57.4	2.048	2.864	13.7	20.4
4 11	15 21.37	−19 47.3	1.960	2.860	10.6	20.2
4 21	15 14.99	−19 28.0	1.893	2.856	7.1	20.0
5 1	15 7.05	−19 0.5	1.853	2.852	3.1	19.7
5 11	14 58.42	−18 27.4	1.839	2.848	1.2	19.6
5 21	14 50.05	−17 52.5	1.854	2.844	5.2	19.8
5 31	14 42.85	−17 19.9	1.895	2.840	9.1	20.1
6 10	14 37.51	−16 53.7	1.959	2.836	12.5	20.3

115325 2003 SQ_{220} 5 8.1 226.°57 0.°2/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 24.00	−16 44.6	2.920	3.728	10.2	19.9
4 11	15 19.47	−16 43.1	2.826	3.723	7.9	19.8
4 21	15 13.43	−16 37.1	2.755	3.718	5.2	19.6
5 1	15 6.31	−16 27.6	2.713	3.713	2.2	19.4
5 11	14 58.73	−16 16.2	2.700	3.708	1.0	19.3
5 21	14 51.30	−16 4.8	2.716	3.703	4.0	19.5
5 31	14 44.64	−15 55.6	2.760	3.697	6.9	19.7
6 10	14 39.25	−15 50.7	2.829	3.692	9.5	19.8

73054 2002 EO_{153} 5 8.1 248.°24 0.°0/ 7.9 18

4 1	15 30.01	−18 16.6	1.756	2.576	15.4	19.8
4 11	15 25.29	−18 9.8	1.658	2.562	12.1	19.6
4 21	15 17.88	−17 54.0	1.582	2.547	8.0	19.3
5 1	15 8.39	−17 30.1	1.530	2.531	3.5	19.0
5 11	14 57.85	−17 0.6	1.506	2.515	1.4	18.8
5 21	14 47.46	−16 29.6	1.509	2.498	6.3	19.1
5 31	14 38.42	−16 2.1	1.537	2.481	10.9	19.3
6 10	14 31.65	−15 42.7	1.588	2.463	14.9	19.5

146199 2000 UZ_9 5 8.1 117.°89 1.°1/ 7.2 18

4 1	15 25.27	−14 19.2	2.678	3.491	10.9	19.8
4 11	15 20.41	−14 6.0	2.603	3.504	8.3	19.7
4 21	15 13.99	−13 49.1	2.552	3.516	5.4	19.5
5 1	15 6.53	−13 30.0	2.528	3.529	2.3	19.3
5 11	14 58.67	−13 11.1	2.534	3.541	1.6	19.3
5 21	14 51.10	−12 54.7	2.569	3.552	4.6	19.5
5 31	14 44.44	−12 43.2	2.632	3.564	7.5	19.7
6 10	14 39.18	−12 38.2	2.720	3.575	10.1	19.9

140613 2001 UX_6 5 8.1 199.°61 0.°6/ 7.6 18

4 1	15 24.68	−16 47.7	2.778	3.587	10.7	21.2
4 11	15 20.04	−16 26.0	2.685	3.584	8.2	21.0
4 21	15 13.81	−15 58.6	2.616	3.580	5.3	20.8
5 1	15 6.48	−15 27.0	2.575	3.575	2.2	20.6
5 11	14 58.68	−14 53.6	2.563	3.570	1.2	20.5
5 21	14 51.07	−14 21.3	2.580	3.565	4.4	20.7
5 31	14 44.30	−13 53.0	2.626	3.560	7.4	20.9
6 10	14 38.89	−13 31.3	2.696	3.553	10.1	21.1

168971 2001 BA_{58} 5 8.1 122.°55 1.°1/ 7.4 18

4 1	15 29.81	−16 32.1	1.754	2.578	15.3	20.8
4 11	15 24.66	−16 0.7	1.685	2.592	11.7	20.6
4 21	15 17.11	−15 20.8	1.638	2.605	7.6	20.4
5 1	15 7.91	−14 35.4	1.617	2.618	3.2	20.2
5 11	14 58.12	−13 48.8	1.623	2.630	2.0	20.1
5 21	14 48.84	−13 5.9	1.656	2.642	6.3	20.4
5 31	14 41.05	−12 31.5	1.716	2.653	10.4	20.7
6 10	14 35.45	−12 8.9	1.798	2.664	13.9	20.9

5075 Goryachev 5 8.1 126.°76 0.°4/ 8.4 18 R

4 1	15 30.17	−20 17.8	1.852	2.665	15.0	18.0
4 11	15 24.90	−19 59.1	1.780	2.679	11.6	17.8
4 21	15 17.25	−19 29.8	1.730	2.692	7.7	17.6
5 1	15 7.97	−18 51.3	1.705	2.705	3.4	17.3
5 11	14 58.10	−18 7.0	1.708	2.717	1.2	17.2
5 21	14 48.71	−17 21.6	1.739	2.728	5.6	17.5
5 31	14 40.78	−16 40.1	1.796	2.739	9.6	17.8
6 10	14 35.00	−16 7.1	1.876	2.750	13.1	18.0

500832 2013 GZ_{136} 5 8.1 355.°50 0.°1/ 6.8 17

4 1	15 3.93	−12 59.5	34.181	34.994	1.0	23.7
4 11	15 3.22	−12 54.7	34.086	34.988	0.7	23.7
4 21	15 2.43	−12 49.7	34.017	34.983	0.5	23.7
5 1	15 1.58	−12 44.6	33.977	34.977	0.2	23.6
5 11	15 0.70	−12 39.6	33.967	34.971	0.2	23.6
5 21	14 59.83	−12 34.9	33.985	34.966	0.4	23.7
5 31	14 59.01	−12 30.6	34.032	34.960	0.7	23.7
6 10	14 58.26	−12 26.8	34.106	34.954	0.9	23.7

496142 2010 RM_{125} 5 8.1 229.°70 2.°3/ 6.6 17

4 1	15 28.60	−13 27.1	1.884	2.711	14.3	22.5
4 11	15 23.85	−12 50.8	1.792	2.700	11.0	22.3
4 21	15 16.72	−12 8.0	1.722	2.689	7.3	22.1
5 1	15 7.83	−11 21.7	1.677	2.677	3.4	21.8
5 11	14 58.13	−10 36.5	1.661	2.665	3.0	21.7
5 21	14 48.64	− 9 57.1	1.672	2.652	6.9	21.9
5 31	14 40.40	− 9 28.0	1.708	2.638	10.9	22.2
6 10	14 34.18	− 9 12.3	1.768	2.624	14.6	22.3

96386 1998 BO_{41} 5 8.1 12.°52 12.°0/14.3 17

4 1	15 24.99	−37 45.0	1.052	1.861	24.2	18.2
4 11	15 23.49	−39 21.8	0.993	1.864	21.0	18.0
4 21	15 17.73	−40 30.5	0.949	1.870	17.4	17.8
5 1	15 8.56	−41 1.8	0.923	1.877	14.1	17.6
5 11	14 57.82	−40 51.4	0.915	1.885	12.2	17.5
5 21	14 47.74	−40 2.2	0.926	1.896	12.6	17.6
5 31	14 40.34	−38 44.8	0.957	1.907	15.1	17.7
6 10	14 36.85	−37 14.3	1.007	1.921	18.3	18.0

246087 2007 AL_3 5 8.1 172°.06 2°.2/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 25.25	−26 17.7	2.780	3.561	11.4	21.3
4 11	15 20.57	−26 16.6	2.688	3.563	9.1	21.1
4 21	15 14.20	−26 5.3	2.620	3.565	6.4	20.9
5 1	15 6.66	−25 43.7	2.578	3.567	3.7	20.8
5 11	14 58.64	−25 13.3	2.565	3.568	2.3	20.7
5 21	14 50.84	−24 36.5	2.581	3.569	4.1	20.8
5 31	14 43.96	−23 56.8	2.625	3.569	6.9	21.0
6 10	14 38.54	−23 18.2	2.694	3.570	9.5	21.1

206085 2002 RG_{93} 5 8.1 190°.86 2°.1/ 9.9 18

4 1	15 26.50	−26 6.5	2.726	3.506	11.6	20.7
4 11	15 21.56	−25 57.2	2.629	3.505	9.2	20.5
4 21	15 14.87	−25 36.9	2.556	3.503	6.5	20.4
5 1	15 6.95	−25 5.9	2.510	3.500	3.6	20.2
5 11	14 58.52	−24 25.9	2.493	3.497	2.1	20.0
5 21	14 50.31	−23 39.6	2.505	3.493	4.2	20.2
5 31	14 43.05	−22 51.0	2.545	3.489	7.1	20.4
6 10	14 37.31	−22 4.3	2.611	3.484	9.9	20.5

436740 2011 VN_9 5 8.1 284°.79 6°.3/ 2.4 17

4 1	15 22.13	− 1 13.8	2.211	3.045	12.2	21.3
4 11	15 18.43	+ 0 2.5	2.130	3.034	9.8	21.1
4 21	15 12.93	+ 1 17.0	2.074	3.023	7.5	20.9
5 1	15 6.16	+ 2 24.0	2.043	3.012	6.3	20.8
5 11	14 58.85	+ 3 17.8	2.039	3.002	7.1	20.9
5 21	14 51.75	+ 3 54.3	2.061	2.991	9.2	21.0
5 31	14 45.60	+ 4 11.0	2.107	2.980	11.8	21.1
6 10	14 41.00	+ 4 7.8	2.174	2.970	14.2	21.3

374475 2005 YY_{31} 5 8.1 165°.12 2°.3/ 6.4 17

4 1	15 27.65	−11 33.3	2.299	3.118	12.3	21.9
4 11	15 22.51	−11 3.5	2.219	3.123	9.4	21.7
4 21	15 15.52	−10 30.4	2.163	3.128	6.2	21.5
5 1	15 7.23	− 9 56.8	2.134	3.132	3.1	21.3
5 11	14 58.43	− 9 26.2	2.134	3.135	2.9	21.3
5 21	14 49.94	− 9 1.6	2.162	3.138	5.9	21.5
5 31	14 42.52	− 8 45.9	2.218	3.140	9.1	21.7
6 10	14 36.74	− 8 40.8	2.297	3.142	12.0	21.9

428085 2006 KB_{85} 5 8.1 309°.83 5°.7/ 5.2 17

4 1	15 27.33	− 2 54.3	1.789	2.624	14.5	20.7
4 11	15 22.97	− 2 33.3	1.701	2.609	11.6	20.4
4 21	15 16.21	− 2 16.5	1.635	2.594	8.4	20.2
5 1	15 7.66	− 2 8.3	1.594	2.579	6.0	20.0
5 11	14 58.25	− 2 13.1	1.578	2.564	6.2	20.0
5 21	14 49.02	− 2 33.4	1.589	2.550	9.1	20.1
5 31	14 41.01	− 3 10.4	1.624	2.536	12.5	20.3
6 10	14 35.03	− 4 3.2	1.681	2.523	15.8	20.5

508961 2004 TV_{220} 5 8.1 213°.57 4°.9/12.2 18

4 1	15 30.49	−34 27.4	2.633	3.372	12.9	23.0
4 11	15 24.97	−34 42.8	2.526	3.363	10.8	22.8
4 21	15 17.31	−34 43.5	2.442	3.354	8.5	22.6
5 1	15 8.07	−34 27.4	2.383	3.343	6.2	22.5
5 11	14 58.09	−33 54.3	2.351	3.332	4.9	22.4
5 21	14 48.30	−33 6.4	2.347	3.320	5.7	22.4
5 31	14 39.62	−32 8.1	2.372	3.307	8.0	22.5
6 10	14 32.74	−31 5.1	2.422	3.294	10.6	22.7

300069 2006 UP_{204} 5 8.1 273°.61 2°.7/ 9.8 17

4 1	15 27.42	−24 48.4	2.266	3.060	13.2	20.2
4 11	15 22.79	−25 12.2	2.167	3.050	10.6	20.0
4 21	15 15.98	−25 26.5	2.091	3.040	7.5	19.8
5 1	15 7.54	−25 30.1	2.040	3.030	4.3	19.5
5 11	14 58.30	−25 23.4	2.016	3.019	2.7	19.4
5 21	14 49.19	−25 8.3	2.021	3.009	5.1	19.5
5 31	14 41.15	−24 48.3	2.052	2.999	8.4	19.7
6 10	14 34.92	−24 27.7	2.108	2.988	11.6	19.9

403867 2011 VA_{19} 5 8.1 154°.12 2°.8/ 9.9 16

4 1	15 33.04	−26 10.6	1.961	2.748	15.2	22.8
4 11	15 27.20	−26 13.7	1.879	2.758	12.1	22.6
4 21	15 18.84	−26 3.0	1.820	2.768	8.6	22.4
5 1	15 8.71	−25 37.6	1.786	2.776	4.8	22.2
5 11	14 57.86	−24 59.4	1.779	2.783	2.8	22.1
5 21	14 47.45	−24 12.2	1.801	2.790	5.5	22.3
5 31	14 38.53	−23 21.7	1.850	2.795	9.2	22.5
6 10	14 31.84	−22 34.0	1.923	2.800	12.6	22.7

238638 2005 CB_{76} 5 8.1 172°.54 0°.8/ 7.5 17

4 1	15 26.00	−16 25.7	2.173	2.992	12.9	21.4
4 11	15 21.46	−16 4.2	2.089	2.993	9.9	21.2
4 21	15 14.94	−15 36.0	2.029	2.995	6.5	21.0
5 1	15 7.03	−15 3.0	1.995	2.995	2.7	20.8
5 11	14 58.54	−14 28.5	1.988	2.996	1.6	20.7
5 21	14 50.34	−13 55.9	2.010	2.997	5.3	20.9
5 31	14 43.24	−13 29.0	2.059	2.997	8.9	21.2
6 10	14 37.87	−13 10.7	2.132	2.997	12.1	21.4

433550 2013 XX_4 5 8.1 145°.88 1°.4/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 26.61	−14 32.5	2.422	3.237	11.8	22.0
4 11	15 21.61	−14 0.7	2.344	3.247	9.1	21.8
4 21	15 14.87	−13 23.8	2.291	3.256	5.9	21.6
5 1	15 6.95	−12 44.1	2.265	3.265	2.6	21.4
5 11	14 58.59	−12 5.0	2.268	3.274	2.0	21.4
5 21	14 50.55	−11 29.8	2.301	3.282	5.2	21.6
5 31	14 43.54	−11 1.7	2.360	3.289	8.4	21.8
6 10	14 38.09	−10 43.0	2.444	3.296	11.2	22.0

429578 2011 EC_{14} 5 8.1 126°.49 2°.0/ 9.1 18

4 1	15 31.00	−21 28.5	1.909	2.715	14.9	20.4
4 11	15 25.75	−21 58.7	1.826	2.719	11.7	20.2
4 21	15 18.00	−22 20.6	1.766	2.722	8.0	20.0
5 1	15 8.40	−22 33.1	1.730	2.726	4.1	19.7
5 11	14 57.97	−22 36.6	1.722	2.729	2.1	19.6
5 21	14 47.84	−22 33.2	1.742	2.732	5.5	19.8
5 31	14 39.07	−22 26.4	1.789	2.735	9.4	20.1
6 10	14 32.47	−22 20.5	1.859	2.738	12.9	20.3

161748 2006 SR_{274} 5 8.1 68°.24 0°.9/ 8.9 18

4 1	15 23.45	−23 2.3	2.284	3.090	12.8	19.8
4 11	15 19.46	−22 29.4	2.199	3.093	10.0	19.6
4 21	15 13.60	−21 44.9	2.136	3.095	6.7	19.4
5 1	15 6.44	−20 50.2	2.100	3.097	3.1	19.2
5 11	14 58.79	−19 48.7	2.091	3.100	1.2	19.0
5 21	14 51.44	−18 44.8	2.111	3.102	4.6	19.3
5 31	14 45.17	−17 43.6	2.159	3.105	8.1	19.5
6 10	14 40.56	−16 49.5	2.231	3.107	11.2	19.7

274762 2008 UG_{301} 5 8.1 295°.51 5°.0/11.5 17

4 1	15 26.01	−31 32.1	1.791	2.579	16.4	19.9
4 11	15 22.46	−31 37.2	1.688	2.560	13.6	19.7
4 21	15 16.16	−31 23.0	1.604	2.541	10.3	19.4
5 1	15 7.72	−30 47.3	1.544	2.523	6.9	19.2
5 11	14 58.22	−29 50.4	1.508	2.504	5.0	19.0
5 21	14 48.90	−28 36.5	1.499	2.486	6.7	19.1
5 31	14 41.02	−27 12.9	1.515	2.468	10.3	19.2
6 10	14 35.51	−25 48.6	1.554	2.449	14.1	19.4

316042 Tilofranz 5 8.1 27°.47 4°.5/ 6.3 17

4 1	15 26.63	− 9 11.2	1.140	2.004	19.1	20.5
4 11	15 23.26	− 8 45.9	1.085	2.013	14.8	20.2
4 21	15 16.70	− 8 19.3	1.049	2.023	9.9	20.0
5 1	15 7.88	− 7 56.8	1.035	2.033	5.4	19.8
5 11	14 58.23	− 7 44.0	1.044	2.045	5.3	19.8
5 21	14 49.26	− 7 45.3	1.076	2.058	9.5	20.1
5 31	14 42.27	− 8 2.8	1.130	2.072	14.1	20.3
6 10	14 38.12	− 8 36.8	1.203	2.086	18.2	20.6

416053 2002 GV_{97} 5 8.1 35°.88 2°.9/ 7.1 18

4 1	15 30.73	− 9 37.3	1.282	2.131	18.3	19.8
4 11	15 25.92	− 9 52.0	1.235	2.155	14.0	19.6
4 21	15 18.14	−10 6.9	1.208	2.179	9.2	19.4
5 1	15 8.39	−10 24.3	1.205	2.205	4.4	19.2
5 11	14 58.05	−10 46.6	1.226	2.231	3.6	19.2
5 21	14 48.50	−11 15.2	1.272	2.258	7.8	19.5
5 31	14 40.91	−11 51.3	1.342	2.286	12.2	19.9
6 10	14 36.01	−12 35.3	1.433	2.314	15.9	20.2

6501 Isonzo 5 8.1 214°.39 4°.1/ 5.5 17

4 1	15 28.25	− 9 36.9	1.745	2.580	14.9	18.6
4 11	15 23.65	− 8 44.0	1.663	2.575	11.5	18.4
4 21	15 16.61	− 7 47.0	1.603	2.569	7.8	18.1
5 1	15 7.81	− 6 50.7	1.568	2.563	4.6	17.9
5 11	14 58.23	− 6 0.9	1.560	2.556	4.8	17.9
5 21	14 48.97	− 5 22.9	1.579	2.549	8.3	18.1
5 31	14 41.05	− 5 0.8	1.623	2.541	12.1	18.3
6 10	14 35.24	− 4 56.4	1.688	2.533	15.6	18.5

54658 2000 TN_{39} 5 8.1 34°.63 0°.4/ 8.4 18

4 1	15 26.97	−18 14.5	2.180	2.993	13.0	18.5
4 11	15 22.28	−18 26.1	2.095	2.995	10.1	18.3
4 21	15 15.54	−18 31.5	2.034	2.997	6.7	18.1
5 1	15 7.32	−18 31.2	1.999	2.999	2.9	17.9
5 11	14 58.46	−18 26.8	1.991	3.000	1.1	17.7
5 21	14 49.85	−18 20.5	2.012	3.002	4.9	18.0
5 31	14 42.35	−18 15.1	2.060	3.004	8.5	18.2
6 10	14 36.62	−18 13.5	2.132	3.006	11.7	18.4

143227 2002 YK_{17} 5 8.1 36°.69 4°.3/ 6.1 18

4 1	15 27.00	− 8 44.7	1.349	2.202	17.4	19.0
4 11	15 23.08	− 8 15.9	1.292	2.213	13.4	18.8
4 21	15 16.35	− 7 46.3	1.255	2.226	9.0	18.5
5 1	15 7.69	− 7 20.6	1.242	2.238	5.1	18.3
5 11	14 58.35	− 7 4.2	1.253	2.252	5.0	18.4
5 21	14 49.60	− 7 0.8	1.288	2.266	8.8	18.6
5 31	14 42.60	− 7 12.7	1.347	2.280	12.9	18.9
6 10	14 38.09	− 7 40.2	1.425	2.295	16.6	19.2

508226 2015 GL_{51} 5 8.1 282°.60 6°.1/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 27.51	−34 39.8	1.942	2.708	16.1	21.2
4 11	15 23.47	−34 59.6	1.844	2.697	13.5	21.0
4 21	15 16.73	−35 0.6	1.765	2.685	10.6	20.8
5 1	15 7.95	−34 39.7	1.709	2.674	7.8	20.6
5 11	14 58.19	−33 56.4	1.678	2.663	6.1	20.4
5 21	14 48.68	−32 53.9	1.673	2.651	7.1	20.5
5 31	14 40.60	−31 38.5	1.694	2.640	9.9	20.6
6 10	14 34.84	−30 18.6	1.739	2.629	13.1	20.8

511740 2015 DT_{94} 5 8.1 44°.46 1°.4/ 8.8 17

4 1	15 29.35	−19 56.0	1.647	2.470	16.2	20.9
4 11	15 24.68	−20 21.8	1.578	2.481	12.6	20.7
4 21	15 17.36	−20 39.1	1.530	2.493	8.5	20.5
5 1	15 8.14	−20 47.3	1.506	2.505	4.0	20.2
5 11	14 58.15	−20 47.8	1.509	2.517	1.8	20.1
5 21	14 48.61	−20 43.2	1.538	2.529	5.9	20.4
5 31	14 40.64	−20 37.3	1.592	2.542	10.1	20.7
6 10	14 35.03	−20 34.3	1.669	2.556	13.8	20.9

274351 2008 RD_{41} 5 8.1 295°.90 1°.0/ 7.5 17

4 1	15 25.18	−16 51.5	1.723	2.557	15.1	21.7
4 11	15 21.64	−16 26.0	1.622	2.534	11.8	21.4
4 21	15 15.54	−15 50.7	1.543	2.512	7.8	21.1
5 1	15 7.47	−15 7.9	1.488	2.489	3.3	20.8
5 11	14 58.38	−14 21.6	1.459	2.467	2.0	20.6
5 21	14 49.39	−13 36.8	1.456	2.444	6.7	20.9
5 31	14 41.65	−12 59.2	1.478	2.422	11.3	21.1
6 10	14 36.05	−12 33.4	1.522	2.400	15.4	21.3

20818 Karmadiraju 5 8.1 5°.01 0°.0/ 7.9 18

4 1	15 24.11	−18 17.8	2.052	2.874	13.4	18.9
4 11	15 20.19	−18 7.2	1.969	2.874	10.4	18.7
4 21	15 14.21	−17 48.9	1.909	2.874	6.8	18.5
5 1	15 6.77	−17 24.2	1.874	2.875	2.9	18.3
5 11	14 58.71	−16 55.9	1.867	2.876	1.2	18.1
5 21	14 50.93	−16 27.6	1.887	2.877	5.2	18.4
5 31	14 44.29	−16 2.9	1.934	2.879	8.9	18.6
6 10	14 39.45	−15 45.2	2.004	2.881	12.2	18.8

251036 2006 QC_{139} 5 8.1 207°.54 0°.8/ 7.6 17

4 1	15 28.87	−17 8.6	1.893	2.713	14.5	21.6
4 11	15 24.05	−16 42.6	1.804	2.709	11.2	21.3
4 21	15 16.85	−16 7.9	1.738	2.704	7.3	21.1
5 1	15 7.93	−15 26.5	1.697	2.698	3.1	20.8
5 11	14 58.23	−14 42.1	1.684	2.692	1.7	20.7
5 21	14 48.83	−13 59.4	1.699	2.686	6.1	21.0
5 31	14 40.71	−13 23.1	1.740	2.679	10.2	21.2
6 10	14 34.65	−12 57.2	1.804	2.671	13.8	21.4

178770 2000 WY_{111} 5 8.1 187°.31 0°.5/ 8.5 18

4 1	15 26.03	−19 11.8	2.659	3.461	11.3	20.4
4 11	15 21.21	−19 15.4	2.568	3.461	8.7	20.2
4 21	15 14.67	−19 12.8	2.501	3.460	5.8	20.0
5 1	15 6.92	−19 4.6	2.461	3.460	2.6	19.8
5 11	14 58.65	−18 52.3	2.450	3.459	1.0	19.7
5 21	14 50.57	−18 38.0	2.468	3.457	4.2	19.9
5 31	14 43.38	−18 24.4	2.514	3.456	7.3	20.1
6 10	14 37.66	−18 14.1	2.586	3.454	10.1	20.3

512601 2016 TU_{7} 5 8.1 254°.07 0°.9/ 8.8 18

4 1	15 27.06	−20 4.9	2.616	3.415	11.5	22.1
4 11	15 22.17	−20 17.1	2.510	3.401	9.0	21.9
4 21	15 15.42	−20 23.0	2.429	3.387	6.1	21.7
5 1	15 7.29	−20 22.7	2.374	3.372	2.9	21.4
5 11	14 58.48	−20 17.3	2.348	3.357	1.2	21.3
5 21	14 49.77	−20 8.4	2.352	3.341	4.4	21.5
5 31	14 41.91	−19 58.6	2.384	3.326	7.6	21.6
6 10	14 35.56	−19 51.0	2.440	3.310	10.6	21.8

346849 2009 DU_{116} 5 8.1 122°.57 0°.4/ 7.8 17

4 1	15 25.88	−17 31.4	2.416	3.228	12.0	22.1
4 11	15 21.11	−17 12.5	2.340	3.240	9.2	21.9
4 21	15 14.58	−16 47.0	2.287	3.251	6.0	21.7
5 1	15 6.86	−16 16.7	2.261	3.261	2.5	21.5
5 11	14 58.70	−15 44.2	2.263	3.272	1.2	21.4
5 21	14 50.85	−15 12.6	2.295	3.282	4.7	21.7
5 31	14 44.04	−14 45.3	2.354	3.292	7.9	21.9
6 10	14 38.80	−14 25.0	2.438	3.301	10.8	22.1

509929 2009 OV_{8} 5 8.1 283°.84 6°.4/11.5 17

4 1	15 30.66	−32 34.1	1.778	2.554	17.0	21.6
4 11	15 26.47	−33 12.7	1.663	2.525	14.3	21.3
4 21	15 19.13	−33 35.0	1.568	2.496	11.2	21.1
5 1	15 9.16	−33 36.2	1.495	2.466	8.1	20.8
5 11	14 57.66	−33 13.9	1.447	2.435	6.4	20.6
5 21	14 46.04	−32 29.3	1.425	2.404	7.9	20.6
5 31	14 35.82	−31 28.0	1.428	2.373	11.4	20.8
6 10	14 28.23	−30 19.1	1.453	2.342	15.3	20.9

509247 2006 US_{5} 5 8.1 178°.48 0°.6/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 24.83	−16 12.8	3.186	3.989	9.6	23.4
4 11	15 19.93	−15 55.5	3.095	3.991	7.3	23.2
4 21	15 13.67	−15 33.7	3.030	3.992	4.8	23.0
5 1	15 6.46	−15 8.6	2.993	3.993	2.0	22.8
5 11	14 58.87	−14 42.3	2.986	3.993	1.1	22.7
5 21	14 51.46	−14 17.1	3.008	3.993	3.9	23.0
5 31	14 44.80	−13 55.2	3.060	3.992	6.6	23.1
6 10	14 39.32	−13 38.8	3.138	3.990	8.9	23.3

225951 2002 CF_{5} 5 8.1 86°.29 2°.2/ 9.5 17

4 1	15 27.91	−23 41.1	1.823	2.633	15.4	20.5
4 11	15 23.48	−23 47.4	1.742	2.635	12.2	20.2
4 21	15 16.56	−23 41.4	1.682	2.638	8.4	20.0
5 1	15 7.83	−23 23.1	1.646	2.641	4.4	19.8
5 11	14 58.32	−22 54.3	1.637	2.643	2.3	19.6
5 21	14 49.17	−22 18.6	1.655	2.646	5.6	19.9
5 31	14 41.43	−21 41.2	1.698	2.649	9.6	20.1
6 10	14 35.87	−21 7.5	1.765	2.651	13.2	20.3

402926 2007 TT_{162} 5 8.1 219°.19 0°.3/ 8.5 18

4 1	15 20.82	−19 39.1	3.974	4.768	8.0	22.5
4 11	15 16.71	−19 28.7	3.871	4.760	6.2	22.3
4 21	15 11.51	−19 13.3	3.793	4.751	4.1	22.1
5 1	15 5.55	−18 53.9	3.744	4.742	1.8	22.0
5 11	14 59.26	−18 31.6	3.724	4.733	0.7	21.9
5 21	14 53.08	−18 8.2	3.735	4.723	3.0	22.0
5 31	14 47.44	−17 45.6	3.775	4.714	5.2	22.2
6 10	14 42.71	−17 25.8	3.842	4.703	7.2	22.3

242791 2006 AZ_{41} 5 8.1 117°.20 2°.3/ 6.8 16

4 1	15 28.83	−14 23.0	1.424	2.266	17.2	21.4
4 11	15 24.56	−13 45.2	1.354	2.271	13.3	21.1
4 21	15 17.42	−12 59.2	1.304	2.275	8.7	20.9
5 1	15 8.22	−12 8.9	1.278	2.279	3.9	20.6
5 11	14 58.20	−11 20.2	1.277	2.283	3.2	20.5
5 21	14 48.68	−10 39.1	1.302	2.287	7.8	20.8
5 31	14 40.86	−10 10.9	1.351	2.290	12.5	21.1
6 10	14 35.59	− 9 58.8	1.420	2.294	16.5	21.3

352029 2006 VR_{58} 5 8.1 243°.00 2°.1/ 6.6 16

4 1	15 25.86	−10 57.3	2.441	3.262	11.6	21.8
4 11	15 21.20	−10 43.9	2.349	3.254	8.9	21.6
4 21	15 14.75	−10 28.3	2.280	3.245	5.9	21.4
5 1	15 7.00	−10 12.9	2.239	3.237	2.9	21.2
5 11	14 58.68	−10 0.1	2.226	3.228	2.7	21.2
5 21	14 50.53	− 9 52.5	2.241	3.219	5.6	21.3
5 31	14 43.29	− 9 52.1	2.284	3.210	8.7	21.5
6 10	14 37.57	−10 0.6	2.351	3.201	11.6	21.7

248522 2005 WS_{60} 5 8.1 253°.32 5°.1/ 3.6 18

4 1	15 24.60	− 0 46.5	2.718	3.536	10.6	21.0
4 11	15 20.04	− 0 4.7	2.624	3.519	8.5	20.8
4 21	15 13.91	+ 0 34.4	2.554	3.501	6.5	20.6
5 1	15 6.63	+ 1 6.9	2.510	3.482	5.2	20.5
5 11	14 58.83	+ 1 29.1	2.495	3.463	5.6	20.5
5 21	14 51.16	+ 1 38.5	2.508	3.444	7.5	20.6
5 31	14 44.26	+ 1 33.5	2.547	3.424	9.9	20.7
6 10	14 38.67	+ 1 14.0	2.608	3.405	12.1	20.9

193323 2000 SS_{367} 5 8.1 107°.77 2°.2/10.6 18

4 1	15 23.17	−27 27.7	3.594	4.361	9.3	20.6
4 11	15 18.60	−27 33.8	3.512	4.377	7.4	20.5
4 21	15 12.77	−27 31.7	3.455	4.393	5.3	20.3
5 1	15 6.09	−27 21.4	3.425	4.408	3.3	20.2
5 11	14 59.09	−27 3.7	3.424	4.423	2.2	20.2
5 21	14 52.29	−26 40.3	3.453	4.438	3.4	20.3
5 31	14 46.22	−26 13.7	3.511	4.453	5.4	20.4
6 10	14 41.26	−25 46.5	3.594	4.467	7.4	20.6

40862 1999 TB_{114} 5 8.1 168°.15 1°.3/ 6.9 18

4 1	15 23.13	−14 32.2	2.854	3.668	10.3	20.1
4 11	15 18.78	−13 57.7	2.769	3.671	7.8	19.9
4 21	15 12.99	−13 18.6	2.708	3.674	5.1	19.7
5 1	15 6.20	−12 37.0	2.676	3.676	2.3	19.5
5 11	14 59.03	−11 55.9	2.673	3.678	1.8	19.5
5 21	14 52.09	−11 18.1	2.699	3.680	4.6	19.7
5 31	14 45.95	−10 46.6	2.754	3.681	7.4	19.9
6 10	14 41.09	−10 23.5	2.833	3.682	9.9	20.0

514921 2008 UC_{108} 5 8.1 162°.47 0°.9/ 9.3 18

4 1	15 21.26	−22 32.0	4.433	5.214	7.4	23.0
4 11	15 16.90	−22 29.2	4.341	5.220	5.8	22.8
4 21	15 11.56	−22 21.2	4.274	5.225	3.9	22.7
5 1	15 5.56	−22 8.4	4.236	5.230	2.0	22.6
5 11	14 59.30	−21 51.8	4.228	5.235	1.0	22.5
5 21	14 53.16	−21 32.7	4.251	5.240	2.6	22.6
5 31	14 47.55	−21 13.0	4.303	5.244	4.6	22.8
6 10	14 42.79	−20 54.3	4.382	5.247	6.4	22.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
504785 2009 YA_{25}			5 8.2 241.°78	8.°1/ 1.9 18		
	h m	° ′			°	m
4 1	15 26.07	+ 4 30.1	2.084	2.905	13.3	20.9
4 11	15 21.57	+ 5 35.4	2.009	2.897	11.0	20.7
4 21	15 15.07	+ 6 33.6	1.957	2.889	9.1	20.6
5 1	15 7.17	+ 7 18.4	1.930	2.880	8.1	20.5
5 11	14 58.66	+ 7 44.3	1.929	2.872	8.8	20.5
5 21	14 50.42	+ 7 48.5	1.952	2.863	10.7	20.6
5 31	14 43.27	+ 7 29.8	1.999	2.854	13.1	20.7
6 10	14 37.84	+ 6 50.1	2.067	2.844	15.5	20.9
13161 1995 UK_{6}			5 8.2 230.°03	1.°0/ 8.8 18		
4 1	15 29.84	−21 19.8	1.997	2.803	14.3	19.0
4 11	15 24.88	−21 11.8	1.897	2.791	11.3	18.8
4 21	15 17.50	−20 53.2	1.820	2.779	7.6	18.6
5 1	15 8.29	−20 24.3	1.768	2.766	3.6	18.3
5 11	14 58.20	−19 47.3	1.744	2.752	1.4	18.1
5 21	14 48.29	−19 5.9	1.748	2.738	5.5	18.3
5 31	14 39.61	−18 25.2	1.779	2.723	9.6	18.6
6 10	14 32.97	−17 50.3	1.834	2.708	13.3	18.8
211193 2002 LP_{31}			5 8.2 333.°24	0.°4/ 7.9 17		
4 1	15 20.04	−18 12.2	1.101	1.968	19.4	20.0
4 11	15 18.91	−17 56.8	1.018	1.947	15.3	19.6
4 21	15 14.42	−17 27.2	0.952	1.928	10.2	19.3
5 1	15 7.22	−16 45.4	0.907	1.910	4.4	18.9
5 11	14 58.60	−15 56.9	0.884	1.893	2.0	18.7
5 21	14 50.16	−15 8.8	0.882	1.877	8.3	19.0
5 31	14 43.54	−14 29.7	0.901	1.863	14.2	19.2
6 10	14 39.93	−14 6.3	0.939	1.851	19.4	19.5
224388 2005 UJ_{201}			5 8.2 91.°05	1.°0/ 7.4 17		
4 1	15 25.88	−17 47.6	1.764	2.593	15.0	20.3
4 11	15 21.77	−17 1.7	1.690	2.599	11.5	20.1
4 21	15 15.34	−16 5.3	1.637	2.605	7.5	19.9
5 1	15 7.30	−15 1.7	1.610	2.612	3.1	19.6
5 11	14 58.65	−13 56.2	1.610	2.618	2.0	19.6
5 21	14 50.43	−12 54.5	1.638	2.624	6.2	19.8
5 31	14 43.59	−12 2.4	1.690	2.630	10.3	20.1
6 10	14 38.82	−11 23.8	1.766	2.636	13.9	20.3
154037 2002 CW_{69}			5 8.2 231.°14	0.°2/ 7.9 17		
4 1	15 27.19	−17 42.5	1.835	2.659	14.7	20.5
4 11	15 22.84	−17 31.1	1.752	2.658	11.4	20.2
4 21	15 16.12	−17 11.4	1.691	2.657	7.5	20.0
5 1	15 7.68	−16 45.1	1.655	2.656	3.2	19.7
5 11	14 58.49	−16 15.2	1.646	2.655	1.4	19.6
5 21	14 49.62	−15 45.6	1.665	2.654	5.8	19.9
5 31	14 42.06	−15 20.7	1.709	2.653	10.0	20.1
6 10	14 36.56	−15 4.1	1.776	2.652	13.6	20.3
484254 2007 FN_{48}			5 8.2 182.°77	1.°3/ 9.9 18		
4 1	15 18.86	−24 36.2	4.496	5.275	7.4	21.5
4 11	15 15.14	−24 38.4	4.400	5.275	5.8	21.4
4 21	15 10.46	−24 34.9	4.328	5.275	4.1	21.3
5 1	15 5.13	−24 26.1	4.285	5.275	2.3	21.1
5 11	14 59.52	−24 12.7	4.271	5.274	1.3	21.0
5 21	14 54.02	−23 56.0	4.286	5.274	2.6	21.2
5 31	14 49.00	−23 37.7	4.331	5.274	4.5	21.3
6 10	14 44.80	−23 19.5	4.402	5.274	6.2	21.4
84960 2003 XS_{21}			5 8.2 122.°05	2.°1/ 9.3 18 R		
4 1	15 29.97	−23 12.6	1.679	2.492	16.3	19.6
4 11	15 25.25	−23 18.2	1.602	2.497	12.9	19.4
4 21	15 17.82	−23 11.1	1.545	2.503	8.9	19.1
5 1	15 8.42	−22 51.1	1.513	2.509	4.5	18.9
5 11	14 58.21	−22 20.3	1.507	2.514	2.2	18.7
5 21	14 48.41	−21 42.7	1.527	2.519	5.9	19.0
5 31	14 40.19	−21 4.1	1.573	2.524	10.2	19.2
6 10	14 34.37	−20 30.2	1.642	2.529	14.0	19.5
132674 2002 NB_{14}			5 8.2 307.°87	6.°8/ 3.6 17		
4 1	15 24.18	− 2 13.0	1.755	2.597	14.5	19.7
4 11	15 20.62	− 1 15.1	1.669	2.580	11.6	19.5
4 21	15 14.73	− 0 19.2	1.606	2.562	8.7	19.3
5 1	15 7.13	+ 0 28.4	1.566	2.545	6.9	19.1
5 11	14 58.70	+ 1 1.3	1.552	2.528	7.5	19.1
5 21	14 50.47	+ 1 14.9	1.563	2.512	10.2	19.2
5 31	14 43.43	+ 1 7.0	1.597	2.495	13.5	19.4
6 10	14 38.35	+ 0 37.7	1.651	2.480	16.7	19.6
437644 2014 BU_{47}			5 8.2 355.°20	2.°1/ 9.6 17		
4 1	15 25.53	−24 17.5	2.049	2.853	14.1	21.5
4 11	15 21.43	−24 16.1	1.962	2.853	11.1	21.3
4 21	15 15.12	−24 2.7	1.898	2.853	7.7	21.1
5 1	15 7.24	−23 37.6	1.858	2.852	4.1	20.9
5 11	14 58.68	−23 2.7	1.846	2.852	2.1	20.8
5 21	14 50.40	−22 21.6	1.861	2.852	5.1	20.9
5 31	14 43.34	−21 39.1	1.902	2.852	8.7	21.2
6 10	14 38.18	−21 0.1	1.967	2.852	12.1	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
133251 2003 RP_{10}			5 8.2 248.°84	0.°2/ 8.0 18		
	h m	° ′			°	m
4 1	15 28.71	−19 10.6	1.787	2.607	15.2	19.8
4 11	15 24.28	−18 42.1	1.688	2.591	11.9	19.5
4 21	15 17.24	−18 1.8	1.610	2.575	7.9	19.2
5 1	15 8.24	−17 11.4	1.557	2.558	3.4	18.9
5 11	14 58.25	−16 14.8	1.532	2.541	1.5	18.7
5 21	14 48.45	−15 17.2	1.534	2.523	6.3	19.0
5 31	14 39.96	−14 25.0	1.562	2.504	10.8	19.2
6 10	14 33.66	−13 43.5	1.612	2.485	14.9	19.4
134646 1999 VN_{7}			5 8.2 123.°22	1.°6/ 7.2 18		
4 1	15 30.07	−14 35.2	1.769	2.595	15.1	19.9
4 11	15 24.93	−14 12.8	1.699	2.606	11.6	19.7
4 21	15 17.38	−13 44.3	1.651	2.618	7.5	19.5
5 1	15 8.17	−13 12.4	1.628	2.629	3.3	19.3
5 11	14 58.33	−12 40.8	1.633	2.639	2.4	19.2
5 21	14 48.96	−12 13.8	1.665	2.649	6.4	19.5
5 31	14 41.05	−11 55.1	1.723	2.659	10.4	19.8
6 10	14 35.29	−11 47.4	1.803	2.668	13.9	20.0
456067 2006 AF_{70}			5 8.2 150.°18	0.°3/ 7.9 18		
4 1	15 32.52	−18 24.9	1.869	2.681	15.0	22.9
4 11	15 26.74	−18 0.7	1.793	2.692	11.6	22.7
4 21	15 18.53	−17 26.9	1.740	2.703	7.6	22.5
5 1	15 8.65	−16 45.6	1.713	2.713	3.2	22.3
5 11	14 58.14	−16 0.3	1.713	2.722	1.4	22.1
5 21	14 48.10	−15 15.7	1.742	2.730	5.8	22.4
5 31	14 39.52	−14 36.8	1.798	2.737	9.9	22.7
6 10	14 33.11	−14 7.6	1.878	2.743	13.4	22.9
374094 2004 RA_{235}			5 8.2 177.°21	1.°1/ 7.2 17		
4 1	15 26.40	−16 38.1	2.398	3.211	12.0	21.8
4 11	15 21.58	−15 52.0	2.312	3.213	9.2	21.6
4 21	15 14.96	−14 58.3	2.250	3.215	6.0	21.4
5 1	15 7.10	−13 59.6	2.215	3.216	2.6	21.1
5 11	14 58.75	−12 59.7	2.210	3.216	1.8	21.1
5 21	14 50.70	−12 3.1	2.234	3.216	5.2	21.3
5 31	14 43.66	−11 13.8	2.285	3.215	8.5	21.5
6 10	14 38.21	−10 35.0	2.361	3.214	11.5	21.7
384517 2010 CQ_{182}			5 8.2 151.°65	2.°0/ 6.8 18		
4 1	15 26.89	−12 38.0	2.066	2.892	13.2	20.8
4 11	15 22.24	−12 17.1	1.987	2.895	10.2	20.6
4 21	15 15.53	−11 52.3	1.931	2.897	6.7	20.3
5 1	15 7.38	−11 26.1	1.900	2.900	3.1	20.1
5 11	14 58.64	−11 1.9	1.898	2.902	2.6	20.1
5 21	14 50.20	−10 43.0	1.923	2.904	6.0	20.3
5 31	14 42.92	−10 32.3	1.975	2.906	9.6	20.5
6 10	14 37.44	−10 31.7	2.050	2.908	12.8	20.7
488261 2016 NO_{54}			5 8.2 194.°41	3.°3/10.9 17		
4 1	15 26.53	−29 8.2	2.332	3.110	13.4	21.1
4 11	15 22.01	−29 5.3	2.240	3.109	10.8	20.9
4 21	15 15.41	−28 48.4	2.169	3.108	7.9	20.7
5 1	15 7.35	−28 17.0	2.123	3.107	4.9	20.5
5 11	14 58.67	−27 32.5	2.106	3.105	3.3	20.4
5 21	14 50.26	−26 38.2	2.116	3.103	5.0	20.5
5 31	14 43.00	−25 39.2	2.153	3.101	8.0	20.7
6 10	14 37.52	−24 41.0	2.216	3.098	11.0	20.9
143560 2003 EV_{44}			5 8.2 174.°21	2.°1/ 6.2 17		
4 1	15 23.67	−12 37.8	2.667	3.486	10.8	20.6
4 11	15 19.30	−11 53.1	2.583	3.488	8.2	20.4
4 21	15 13.39	−11 4.1	2.524	3.489	5.4	20.3
5 1	15 6.43	−10 13.8	2.493	3.491	2.7	20.1
5 11	14 59.05	− 9 25.6	2.490	3.492	2.6	20.1
5 21	14 51.91	− 8 43.0	2.517	3.492	5.3	20.3
5 31	14 45.64	− 8 8.9	2.572	3.492	8.1	20.4
6 10	14 40.72	− 7 45.5	2.650	3.492	10.7	20.6
416145 2002 QH_{142}			5 8.2 212.°67	1.°4/ 9.2 17		
4 1	15 28.67	−23 25.6	1.919	2.725	14.9	21.9
4 11	15 24.01	−23 6.4	1.827	2.720	11.7	21.7
4 21	15 16.92	−22 33.6	1.756	2.714	8.0	21.5
5 1	15 8.05	−21 47.9	1.711	2.708	3.9	21.2
5 11	14 58.39	−20 52.3	1.693	2.701	1.7	21.0
5 21	14 49.02	−19 51.6	1.703	2.694	5.5	21.3
5 31	14 40.98	−18 51.8	1.739	2.686	9.6	21.5
6 10	14 35.04	−17 58.9	1.799	2.678	13.3	21.7
353573 2011 SK_{254}			5 8.2 163.°07	2.°2/ 9.9 17		
4 1	15 24.95	−25 56.1	2.290	3.084	13.1	20.7
4 11	15 20.74	−25 43.4	2.201	3.084	10.4	20.5
4 21	15 14.55	−25 18.1	2.134	3.085	7.3	20.3
5 1	15 6.98	−24 40.5	2.094	3.085	4.0	20.1
5 11	14 58.83	−23 52.9	2.081	3.086	2.2	20.0
5 21	14 50.96	−22 59.0	2.096	3.086	4.7	20.2
5 31	14 44.21	−22 3.6	2.138	3.087	8.0	20.4
6 10	14 39.18	−21 11.8	2.205	3.087	11.1	20.6

202429 2005 WD_{176} 5 8.2 222°.44 2°.4/ 7.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 32.27	−12 22.2	1.635	2.464	16.0	21.3
4 11	15 27.11	−12 7.9	1.548	2.457	12.4	21.0
4 21	15 19.16	−11 49.2	1.481	2.449	8.2	20.8
5 1	15 9.08	−11 28.8	1.440	2.440	3.9	20.5
5 11	14 57.98	−11 10.5	1.425	2.430	3.1	20.4
5 21	14 47.13	−10 58.1	1.438	2.420	7.5	20.6
5 31	14 37.75	−10 55.2	1.475	2.410	12.0	20.9
6 10	14 30.77	−11 4.5	1.534	2.398	16.0	21.1

53355 1999 JD_{71} 5 8.2 56°.68 3°.7/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.24	− 7 6.1	2.095	2.924	12.9	18.3
4 11	15 21.66	− 6 45.4	2.020	2.928	10.0	18.1
4 21	15 15.11	− 6 25.2	1.969	2.933	6.8	17.9
5 1	15 7.21	− 6 8.8	1.944	2.937	4.1	17.8
5 11	14 58.76	− 5 59.5	1.947	2.941	4.2	17.8
5 21	14 50.62	− 5 59.8	1.976	2.946	6.9	17.9
5 31	14 43.60	− 6 11.4	2.032	2.950	10.1	18.1
6 10	14 38.31	− 6 34.6	2.110	2.955	13.0	18.3

213090 1999 TY_{282} 5 8.2 329°.41 5°.8/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.95	−25 22.7	1.599	2.409	17.1	19.2
4 11	15 26.34	−26 54.6	1.485	2.373	14.2	18.9
4 21	15 19.42	−28 22.6	1.391	2.338	10.7	18.6
5 1	15 9.54	−29 41.4	1.321	2.304	7.3	18.3
5 11	14 57.68	−30 46.3	1.276	2.271	5.9	18.2
5 21	14 45.30	−31 34.1	1.257	2.239	8.4	18.2
5 31	14 34.11	−32 5.7	1.262	2.208	12.5	18.4
6 10	14 25.59	−32 25.9	1.287	2.179	16.7	18.5

66920 1999 VN_{178} 5 8.2 225°.80 4°.2/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 24.58	− 8 33.2	2.098	2.930	12.8	19.9
4 11	15 20.45	− 7 26.5	2.015	2.925	9.9	19.7
4 21	15 14.38	− 6 16.2	1.955	2.919	6.8	19.5
5 1	15 6.92	− 5 7.3	1.922	2.913	4.4	19.3
5 11	14 58.88	− 4 5.5	1.917	2.907	4.9	19.3
5 21	14 51.11	− 3 15.6	1.939	2.900	7.7	19.5
5 31	14 44.40	− 2 41.2	1.987	2.894	10.9	19.7
6 10	14 39.38	− 2 24.1	2.056	2.887	13.8	19.9

213370 2001 TC_{206} 5 8.2 143°.44 6°.3/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 23.10	+ 0 38.0	2.503	3.326	11.3	20.6
4 11	15 18.88	+ 2 1.8	2.438	3.333	9.1	20.5
4 21	15 13.13	+ 3 22.1	2.398	3.339	7.2	20.3
5 1	15 6.33	+ 4 33.4	2.385	3.345	6.3	20.3
5 11	14 59.15	+ 5 30.7	2.400	3.350	6.9	20.3
5 21	14 52.26	+ 6 10.8	2.442	3.356	8.7	20.5
5 31	14 46.27	+ 6 31.9	2.508	3.361	10.8	20.6
6 10	14 41.67	+ 6 34.3	2.595	3.365	12.8	20.8

343524 2010 EQ_{132} 5 8.2 132°.14 0°.5/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.47	−19 47.1	2.094	2.908	13.5	21.2
4 11	15 22.01	−19 39.3	2.011	2.910	10.5	21.0
4 21	15 15.45	−19 22.8	1.950	2.913	7.0	20.8
5 1	15 7.39	−18 58.6	1.916	2.915	3.1	20.5
5 11	14 58.72	−18 29.3	1.908	2.917	1.1	20.4
5 21	14 50.34	−17 58.2	1.929	2.919	5.0	20.7
5 31	14 43.13	−17 29.4	1.976	2.921	8.8	20.9
6 10	14 37.74	−17 6.6	2.048	2.923	12.0	21.1

68591 2002 AO_{24} 5 8.2 325°.21 5°.0/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 24.31	−31 59.8	1.588	2.385	17.8	18.9
4 11	15 21.41	−31 51.8	1.496	2.374	14.7	18.7
4 21	15 15.60	−31 20.9	1.423	2.364	11.1	18.4
5 1	15 7.61	−30 25.1	1.372	2.354	7.3	18.2
5 11	14 58.62	−29 6.3	1.346	2.344	5.0	18.0
5 21	14 49.97	−27 30.6	1.345	2.335	6.8	18.1
5 31	14 42.96	−25 47.2	1.369	2.327	10.7	18.3
6 10	14 38.48	−24 6.9	1.415	2.319	14.7	18.5

507629 2013 GM_{115} 5 8.2 331°.13 6°.4/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.82	−28 0.0	1.215	2.042	20.5	21.2
4 11	15 25.11	−29 1.4	1.134	2.030	16.9	20.9
4 21	15 18.67	−29 47.2	1.069	2.020	12.7	20.6
5 1	15 9.14	−30 12.0	1.025	2.010	8.5	20.4
5 11	14 57.96	−30 13.1	1.003	2.001	6.4	20.2
5 21	14 46.95	−29 52.3	1.004	1.993	8.8	20.3
5 31	14 37.98	−29 16.5	1.027	1.985	13.3	20.5
6 10	14 32.36	−28 35.6	1.068	1.979	17.8	20.8

135582 2002 GY_{82} 5 8.2 353°.75 5°.5/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 22.63	− 8 0.5	1.056	1.931	19.4	19.2
4 11	15 20.68	− 7 27.7	0.991	1.924	15.2	18.9
4 21	15 15.39	− 6 53.8	0.944	1.918	10.4	18.7
5 1	15 7.58	− 6 25.5	0.917	1.914	6.3	18.4
5 11	14 58.64	− 6 10.1	0.913	1.912	6.4	18.4
5 21	14 50.14	− 6 12.6	0.929	1.911	10.7	18.6
5 31	14 43.57	− 6 36.1	0.966	1.911	15.6	18.9
6 10	14 39.94	− 7 20.0	1.021	1.913	20.0	19.2

328197 2008 EU_{24} 5 8.2 106°.26 3°.9/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 29.51	− 8 46.8	1.685	2.520	15.3	20.8
4 11	15 24.57	− 8 16.6	1.618	2.530	11.8	20.6
4 21	15 17.20	− 7 45.1	1.574	2.539	8.0	20.4
5 1	15 8.15	− 7 16.5	1.554	2.549	4.5	20.2
5 11	14 58.46	− 6 55.2	1.561	2.558	4.5	20.2
5 21	14 49.24	− 6 44.9	1.594	2.568	7.8	20.4
5 31	14 41.49	− 6 47.9	1.652	2.577	11.6	20.7
6 10	14 35.92	− 7 5.0	1.732	2.585	14.9	20.9

269575 2009 WE_{197} 5 8.2 253°.64 1°.3/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.04	−16 12.0	2.012	2.834	13.7	21.2
4 11	15 22.66	−15 37.6	1.911	2.817	10.6	20.9
4 21	15 16.03	−14 54.6	1.833	2.800	7.0	20.7
5 1	15 7.72	−14 5.4	1.781	2.782	3.0	20.4
5 11	14 58.60	−13 14.0	1.757	2.764	2.1	20.3
5 21	14 49.62	−12 25.1	1.761	2.745	6.1	20.5
5 31	14 41.77	−11 43.7	1.791	2.726	10.1	20.7
6 10	14 35.80	−11 13.6	1.844	2.707	13.8	20.9

377356 2004 RM_{70} 5 8.2 205°.13 0°.2/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.25	−17 42.0	2.142	2.955	13.3	21.2
4 11	15 23.37	−17 32.6	2.052	2.952	10.3	21.0
4 21	15 16.37	−17 15.9	1.984	2.948	6.8	20.7
5 1	15 7.82	−16 53.3	1.943	2.943	2.9	20.5
5 11	14 58.58	−16 27.2	1.930	2.939	1.2	20.3
5 21	14 49.58	−16 0.9	1.945	2.933	5.2	20.6
5 31	14 41.71	−15 38.1	1.988	2.928	9.0	20.8
6 10	14 35.66	−15 22.0	2.054	2.922	12.3	21.0

278838 2008 ST_{300} 5 8.2 233°.97 0°.1/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.93	−17 37.7	2.042	2.858	13.7	21.4
4 11	15 23.27	−17 33.0	1.950	2.852	10.6	21.2
4 21	15 16.38	−17 21.2	1.881	2.845	7.0	21.0
5 1	15 7.85	−17 3.4	1.838	2.839	3.0	20.7
5 11	14 58.57	−16 42.0	1.823	2.832	1.2	20.5
5 21	14 49.50	−16 20.0	1.835	2.824	5.4	20.8
5 31	14 41.59	−16 1.3	1.874	2.817	9.3	21.0
6 10	14 35.58	−15 49.1	1.937	2.809	12.8	21.2

477961 2011 SX_{33} 5 8.2 161°.68 0°.1/ 8.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 24.61	−18 6.9	2.845	3.650	10.5	22.5
4 11	15 19.98	−17 48.3	2.758	3.654	8.1	22.3
4 21	15 13.84	−17 23.5	2.697	3.659	5.3	22.1
5 1	15 6.66	−16 54.0	2.663	3.663	2.2	21.9
5 11	14 59.07	−16 22.1	2.658	3.666	1.0	21.8
5 21	14 51.70	−15 50.4	2.682	3.670	4.1	22.0
5 31	14 45.17	−15 21.7	2.735	3.673	7.0	22.2
6 10	14 39.98	−14 58.7	2.814	3.675	9.6	22.4

262310 2006 TG_{13} 5 8.2 121°.12 0°.4/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.02	−19 39.1	1.992	2.800	14.3	21.8
4 11	15 25.43	−19 26.9	1.922	2.818	11.1	21.7
4 21	15 17.62	−19 5.5	1.874	2.835	7.3	21.5
5 1	15 8.29	−18 36.3	1.852	2.852	3.2	21.2
5 11	14 58.44	−18 2.1	1.859	2.868	1.2	21.1
5 21	14 49.05	−17 26.6	1.894	2.883	5.2	21.4
5 31	14 41.04	−16 54.4	1.956	2.898	9.0	21.7
6 10	14 35.06	−16 29.2	2.042	2.912	12.3	21.9

153835 2001 XD_{10} 5 8.2 175°.90 0°.8/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.38	−20 41.9	2.223	3.025	13.2	20.8
4 11	15 24.15	−20 38.0	2.135	3.027	10.3	20.6
4 21	15 16.82	−20 25.2	2.071	3.029	6.9	20.4
5 1	15 8.00	−20 4.1	2.032	3.031	3.2	20.2
5 11	14 58.53	−19 36.9	2.023	3.031	1.2	20.0
5 21	14 49.35	−19 6.5	2.042	3.031	4.9	20.3
5 31	14 41.31	−18 37.0	2.088	3.031	8.5	20.5
6 10	14 35.10	−18 12.2	2.159	3.030	11.7	20.7

188277 2003 AK_{56} 5 8.2 104°.43 7°.0/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.53	− 0 3.9	1.740	2.570	15.1	20.2
4 11	15 24.48	+ 0 37.5	1.676	2.578	12.1	20.0
4 21	15 17.10	+ 1 12.7	1.635	2.585	9.1	19.8
5 1	15 8.10	+ 1 35.9	1.618	2.592	7.2	19.7
5 11	14 58.52	+ 1 42.5	1.626	2.599	7.6	19.8
5 21	14 49.39	+ 1 29.9	1.661	2.606	10.0	19.9
5 31	14 41.66	+ 0 57.8	1.719	2.613	13.0	20.1
6 10	14 36.03	+ 0 8.2	1.799	2.619	15.8	20.3

424383 2007 WY_{39} 5 8.2 249°.86 3°.6/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.87	−10 6.0	1.740	2.572	15.1	21.9
4 11	15 25.17	− 9 31.4	1.645	2.555	11.7	21.6
4 21	15 17.87	− 8 52.9	1.572	2.539	7.9	21.4
5 1	15 8.57	− 8 14.3	1.525	2.521	4.4	21.1
5 11	14 58.28	− 7 40.7	1.504	2.503	4.3	21.1
5 21	14 48.14	− 7 16.6	1.509	2.484	8.1	21.2
5 31	14 39.29	− 7 6.0	1.540	2.465	12.2	21.4
6 10	14 32.62	− 7 11.1	1.593	2.446	16.0	21.6

503495 2016 EC_{192} 5 8.2 349°.72 0°.4/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 25.08	−21 45.4	1.365	2.204	18.0	20.9
4 11	15 22.03	−21 8.8	1.288	2.201	14.1	20.7
4 21	15 16.00	−20 14.8	1.231	2.199	9.4	20.4
5 1	15 7.78	−19 5.9	1.197	2.197	4.2	20.1
5 11	14 58.63	−17 48.0	1.187	2.196	1.5	19.9
5 21	14 49.93	−16 28.9	1.202	2.195	6.9	20.2
5 31	14 42.96	−15 17.5	1.241	2.194	12.0	20.5
6 10	14 38.61	−14 20.8	1.300	2.194	16.4	20.8

151770 2003 EO_{24} 5 8.2 5°.95 2°.0/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.71	−13 26.1	1.387	2.237	17.1	19.7
4 11	15 22.34	−13 16.8	1.316	2.237	13.2	19.4
4 21	15 16.12	−13 2.2	1.266	2.238	8.7	19.2
5 1	15 7.81	−12 45.3	1.238	2.240	3.9	18.9
5 11	14 58.61	−12 30.1	1.235	2.242	2.8	18.8
5 21	14 49.83	−12 20.7	1.257	2.245	7.5	19.1
5 31	14 42.68	−12 20.9	1.302	2.249	12.1	19.4
6 10	14 38.04	−12 33.0	1.368	2.254	16.2	19.6

519859 2013 NT_{28} 5 8.2 226°.02 2°.2/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.07	−25 0.3	1.945	2.744	14.9	22.4
4 11	15 24.40	−24 50.8	1.849	2.736	11.9	22.1
4 21	15 17.26	−24 27.5	1.774	2.727	8.3	21.9
5 1	15 8.27	−23 50.0	1.724	2.718	4.4	21.6
5 11	14 58.43	−23 0.5	1.701	2.708	2.3	21.5
5 21	14 48.83	−22 3.4	1.706	2.697	5.5	21.7
5 31	14 40.55	−21 4.5	1.738	2.687	9.5	21.9
6 10	14 34.39	−20 10.3	1.794	2.675	13.2	22.1

350927 2002 TL_{117} 5 8.2 207°.70 2°.8/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.04	−28 11.7	2.625	3.398	12.2	21.6
4 11	15 22.20	−28 8.1	2.525	3.393	9.8	21.4
4 21	15 15.49	−27 52.3	2.447	3.387	7.1	21.2
5 1	15 7.43	−27 23.9	2.396	3.381	4.3	21.0
5 11	14 58.78	−26 44.3	2.374	3.374	2.8	20.9
5 21	14 50.34	−25 56.1	2.380	3.367	4.5	21.0
5 31	14 42.89	−25 3.8	2.414	3.359	7.4	21.2
6 10	14 37.05	−24 11.9	2.474	3.351	10.2	21.3

106965 2000 YR_{84} 5 8.2 129°.16 1°.5/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.64	−15 26.2	1.802	2.625	15.0	20.5
4 11	15 25.33	−14 55.9	1.733	2.639	11.5	20.3
4 21	15 17.65	−14 18.4	1.685	2.652	7.5	20.1
5 1	15 8.34	−13 36.5	1.664	2.664	3.2	19.9
5 11	14 58.45	−12 54.6	1.670	2.676	2.2	19.8
5 21	14 49.05	−12 17.0	1.703	2.688	6.3	20.1
5 31	14 41.11	−11 48.1	1.763	2.698	10.3	20.3
6 10	14 35.29	−11 30.9	1.846	2.708	13.7	20.6

111926 2002 GJ_{20} 5 8.2 305°.08 1°.4/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 24.25	−18 11.6	1.395	2.240	17.3	19.5
4 11	15 21.42	−17 18.5	1.307	2.226	13.5	19.2
4 21	15 15.67	−16 9.7	1.240	2.212	8.9	18.9
5 1	15 7.69	−14 49.2	1.197	2.198	3.8	18.6
5 11	14 58.66	−13 23.9	1.178	2.185	2.6	18.4
5 21	14 49.92	−12 2.3	1.184	2.172	7.8	18.7
5 31	14 42.76	−10 53.2	1.213	2.160	12.9	19.0
6 10	14 38.13	−10 2.8	1.263	2.147	17.4	19.2

207751 2007 RW_{294} 5 8.2 134°.03 0°.0/ 8.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.45	−18 25.6	2.107	2.923	13.3	21.4
4 11	15 21.98	−18 16.3	2.024	2.926	10.3	21.2
4 21	15 15.44	−17 59.4	1.964	2.928	6.8	21.0
5 1	15 7.43	−17 36.0	1.929	2.930	2.9	20.8
5 11	14 58.80	−17 8.8	1.923	2.932	1.1	20.6
5 21	14 50.46	−16 41.1	1.944	2.934	5.1	20.9
5 31	14 43.27	−16 16.7	1.992	2.936	8.8	21.1
6 10	14 37.88	−15 58.9	2.064	2.937	12.1	21.3

434007 2000 VH_{61} 5 8.2 62°.28 1°.7/ 6.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.94	−16 11.6	1.859	2.670	15.1	22.7
4 11	15 27.87	−15 11.6	1.828	2.728	11.3	22.6
4 21	15 18.80	−14 5.0	1.819	2.784	7.2	22.5
5 1	15 8.63	−12 56.1	1.839	2.839	3.1	22.3
5 11	14 58.42	−11 50.2	1.887	2.892	2.4	22.4
5 21	14 49.11	−10 52.5	1.965	2.945	6.0	22.7
5 31	14 41.47	−10 6.7	2.069	2.996	9.5	23.0
6 10	14 35.93	− 9 35.0	2.198	3.047	12.4	23.3

478134 2011 UL_{127} 5 8.2 257°.78 1°.8/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.67	−11 27.3	2.436	3.255	11.7	21.2
4 11	15 21.91	−11 22.3	2.341	3.244	9.0	21.0
4 21	15 15.32	−11 15.4	2.269	3.234	6.0	20.8
5 1	15 7.38	−11 8.3	2.224	3.223	2.8	20.6
5 11	14 58.82	−11 3.3	2.208	3.212	2.4	20.5
5 21	14 50.40	−11 2.5	2.221	3.201	5.4	20.7
5 31	14 42.89	−11 8.0	2.261	3.190	8.7	20.9
6 10	14 36.92	−11 21.3	2.325	3.179	11.6	21.1

290057 2005 QO_{58} 5 8.2 275°.38 1°.1/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 25.78	−21 16.4	2.339	3.144	12.5	21.0
4 11	15 21.47	−21 18.5	2.236	3.129	9.9	20.8
4 21	15 15.15	−21 12.3	2.156	3.114	6.7	20.5
5 1	15 7.35	−20 57.8	2.102	3.099	3.2	20.3
5 11	14 58.82	−20 36.9	2.076	3.084	1.4	20.1
5 21	14 50.41	−20 11.9	2.079	3.069	4.7	20.3
5 31	14 42.97	−19 46.4	2.108	3.054	8.2	20.5
6 10	14 37.19	−19 24.2	2.162	3.039	11.5	20.7

38645 2000 OT_{3} 5 8.2 216°.41 0°.6/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.12	−21 8.3	2.564	3.360	11.8	20.4
4 11	15 23.00	−20 46.3	2.460	3.349	9.2	20.2
4 21	15 16.01	−20 15.0	2.380	3.338	6.2	20.0
5 1	15 7.67	−19 35.3	2.328	3.326	2.8	19.7
5 11	14 58.72	−18 49.6	2.305	3.313	1.0	19.6
5 21	14 49.94	−18 1.2	2.311	3.300	4.5	19.8
5 31	14 42.12	−17 14.4	2.346	3.286	7.9	20.0
6 10	14 35.85	−16 33.0	2.406	3.271	10.9	20.2

106168 2000 TE_{67} 5 8.2 84°.88 2°.1/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.06	−11 40.9	2.315	3.139	12.0	18.8
4 11	15 20.58	−11 18.1	2.242	3.149	9.2	18.7
4 21	15 14.35	−10 52.5	2.194	3.160	6.0	18.5
5 1	15 6.92	−10 26.8	2.172	3.170	3.0	18.3
5 11	14 59.04	−10 3.9	2.178	3.180	2.7	18.3
5 21	14 51.48	− 9 46.6	2.212	3.190	5.6	18.5
5 31	14 44.94	− 9 37.3	2.273	3.201	8.7	18.7
6 10	14 39.97	− 9 37.6	2.358	3.211	11.5	18.9

29614 Sheller 5 8.2 103°.41 0°.3/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.48	−18 54.1	1.458	2.286	17.7	19.3
4 11	15 27.39	−18 52.5	1.392	2.299	13.7	19.1
4 21	15 19.33	−18 40.7	1.346	2.312	9.1	18.9
5 1	15 9.16	−18 19.6	1.324	2.324	3.9	18.6
5 11	14 58.19	−17 52.4	1.327	2.336	1.4	18.5
5 21	14 47.80	−17 23.7	1.357	2.349	6.6	18.8
5 31	14 39.24	−16 58.9	1.412	2.360	11.3	19.1
6 10	14 33.35	−16 42.6	1.488	2.371	15.3	19.4

155819 2000 WS_{90} 5 8.2 254°.13 0°.9/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.46	−21 52.0	2.157	2.962	13.5	20.3
4 11	15 22.96	−21 33.2	2.050	2.943	10.6	20.1
4 21	15 16.25	−21 3.2	1.965	2.924	7.2	19.8
5 1	15 7.86	−20 22.6	1.907	2.905	3.4	19.5
5 11	14 58.66	−19 33.8	1.876	2.885	1.3	19.3
5 21	14 49.58	−18 41.0	1.874	2.864	5.2	19.6
5 31	14 41.59	−17 49.1	1.899	2.844	9.1	19.8
6 10	14 35.43	−17 3.4	1.948	2.822	12.6	20.0

507591 2013 BY_{39} 5 8.2 176°.71 4°.2/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 23.47	− 4 32.2	2.640	3.463	10.7	21.6
4 11	15 19.18	− 3 46.4	2.562	3.464	8.4	21.4
4 21	15 13.36	− 3 1.5	2.509	3.465	6.0	21.3
5 1	15 6.50	− 2 21.1	2.483	3.466	4.3	21.2
5 11	14 59.23	− 1 49.0	2.485	3.466	4.7	21.2
5 21	14 52.19	− 1 27.8	2.515	3.466	6.7	21.3
5 31	14 45.99	− 1 19.3	2.572	3.466	9.2	21.5
6 10	14 41.13	− 1 24.1	2.651	3.466	11.5	21.6

77080 2001 DA_{32} 5 8.2 18°.60 0°.0/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.68	−17 51.8	1.556	2.393	16.3	19.8
4 11	15 22.06	−17 50.8	1.485	2.397	12.6	19.6
4 21	15 15.81	−17 41.2	1.434	2.403	8.3	19.4
5 1	15 7.68	−17 24.5	1.408	2.409	3.6	19.1
5 11	14 58.77	−17 3.6	1.406	2.415	1.4	18.9
5 21	14 50.28	−16 42.6	1.431	2.423	6.2	19.3
5 31	14 43.31	−16 25.9	1.480	2.431	10.6	19.6
6 10	14 38.65	−16 17.3	1.550	2.439	14.5	19.8

264950 2002 WR_{14} 5 8.2 150°.97 6°.3/ 4.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.33	− 2 31.4	1.768	2.602	14.7	20.4
4 11	15 23.61	− 1 40.5	1.699	2.605	11.7	20.2
4 21	15 16.58	− 0 52.9	1.653	2.608	8.6	20.1
5 1	15 7.95	− 0 14.2	1.631	2.611	6.5	19.9
5 11	14 58.68	+ 0 10.0	1.635	2.613	7.0	20.0
5 21	14 49.81	+ 0 16.4	1.665	2.615	9.6	20.1
5 31	14 42.27	+ 0 3.5	1.719	2.617	12.7	20.3
6 10	14 36.77	− 0 28.0	1.794	2.619	15.7	20.5

240616 2004 XH_{62} 5 8.2 119°.10 2°.4/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.40	−26 43.6	2.309	3.093	13.3	21.1
4 11	15 23.29	−26 33.1	2.232	3.108	10.6	21.0
4 21	15 16.18	−26 9.8	2.177	3.124	7.4	20.8
5 1	15 7.73	−25 33.9	2.149	3.139	4.2	20.6
5 11	14 58.80	−24 47.7	2.149	3.153	2.4	20.5
5 21	14 50.27	−23 54.9	2.178	3.167	4.7	20.7
5 31	14 42.95	−23 0.3	2.234	3.180	7.8	20.9
6 10	14 37.44	−22 9.0	2.315	3.193	10.7	21.1

265630 2005 SG_{220} 5 8.2 236°.94 6°.6/12.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.57	−34 47.4	1.909	2.671	16.5	20.5
4 11	15 25.97	−35 21.9	1.816	2.665	13.9	20.3
4 21	15 18.54	−35 38.3	1.743	2.660	11.0	20.1
5 1	15 8.93	−35 32.8	1.692	2.654	8.2	19.9
5 11	14 58.28	−35 4.4	1.667	2.647	6.6	19.8
5 21	14 47.89	−34 15.6	1.667	2.641	7.5	19.9
5 31	14 39.02	−33 12.3	1.693	2.634	10.2	20.0
6 10	14 32.60	−32 2.8	1.742	2.628	13.3	20.2

258915 2002 RA_{10} 5 8.2 286°.18 2°.3/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.41	−14 29.6	1.573	2.413	16.0	21.0
4 11	15 22.85	−13 50.6	1.477	2.393	12.4	20.7
4 21	15 16.55	−13 2.2	1.402	2.373	8.2	20.4
5 1	15 8.11	−12 7.9	1.351	2.352	3.8	20.1
5 11	14 58.58	−11 13.2	1.326	2.331	3.2	20.0
5 21	14 49.19	−10 24.2	1.327	2.311	7.8	20.2
5 31	14 41.16	− 9 47.1	1.351	2.290	12.5	20.4
6 10	14 35.45	− 9 26.2	1.397	2.269	16.8	20.6

415395 2013 NJ_{16} 5 8.2 53°.28 1°.4/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.02	−23 14.1	1.513	2.338	17.3	21.0
4 11	15 23.21	−22 52.8	1.441	2.345	13.5	20.7
4 21	15 16.61	−22 15.8	1.389	2.351	9.2	20.5
5 1	15 8.03	−21 24.4	1.360	2.358	4.4	20.2
5 11	14 58.67	−20 22.8	1.357	2.365	1.7	20.0
5 21	14 49.83	−19 17.4	1.379	2.373	6.2	20.4
5 31	14 42.65	−18 15.6	1.427	2.380	10.8	20.6
6 10	14 37.93	−17 23.9	1.496	2.388	14.8	20.9

268160 2004 TN_{357} 5 8.2 324°.14 3°.3/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.23	−22 28.3	1.590	2.408	16.9	20.2
4 11	15 26.04	−23 23.3	1.498	2.396	13.5	20.0
4 21	15 18.82	−24 10.6	1.427	2.384	9.6	19.7
5 1	15 9.15	−24 47.3	1.380	2.373	5.4	19.4
5 11	14 58.17	−25 12.2	1.358	2.362	3.4	19.3
5 21	14 47.26	−25 25.8	1.361	2.352	6.7	19.4
5 31	14 37.84	−25 31.4	1.390	2.342	11.1	19.7
6 10	14 31.02	−25 34.2	1.441	2.333	15.2	19.9

90856 1996 GL_{20} 5 8.2 33°.90 1°.1/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.10	−19 7.8	1.250	2.091	19.2	19.0
4 11	15 26.17	−19 27.1	1.183	2.097	15.0	18.7
4 21	15 18.88	−19 36.3	1.135	2.102	10.1	18.4
5 1	15 9.10	−19 35.2	1.109	2.109	4.6	18.1
5 11	14 58.26	−19 26.0	1.107	2.115	1.7	18.0
5 21	14 47.94	−19 12.5	1.129	2.123	7.1	18.3
5 31	14 39.61	−19 0.2	1.174	2.130	12.3	18.6
6 10	14 34.25	−18 54.3	1.240	2.138	16.7	18.9

418026 2007 UP_{94} 5 8.2 169°.53 1°.2/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.09	−20 52.6	1.816	2.625	15.4	22.0
4 11	15 26.76	−20 58.4	1.733	2.628	12.1	21.8
4 21	15 18.82	−20 54.3	1.672	2.631	8.2	21.6
5 1	15 8.98	−20 40.2	1.636	2.633	3.9	21.3
5 11	14 58.31	−20 18.1	1.627	2.635	1.6	21.2
5 21	14 47.98	−19 51.4	1.646	2.636	5.7	21.4
5 31	14 39.11	−19 24.8	1.691	2.637	9.9	21.7
6 10	14 32.51	−19 3.0	1.760	2.637	13.6	21.9

243676 1999 WQ_{10} 5 8.2 172°.94 0°.0/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.18	−19 23.4	2.146	2.960	13.2	21.1
4 11	15 21.74	−18 55.4	2.061	2.961	10.2	20.9
4 21	15 15.28	−18 18.1	1.999	2.963	6.7	20.7
5 1	15 7.40	−17 33.1	1.963	2.963	2.9	20.4
5 11	14 58.93	−16 44.0	1.955	2.964	1.1	20.3
5 21	14 50.77	−15 54.8	1.976	2.965	5.1	20.6
5 31	14 43.74	−15 10.3	2.023	2.965	8.8	20.8
6 10	14 38.48	−14 34.2	2.094	2.965	12.0	21.0

139976 2001 SX_{18} 5 8.2 168°.30 2°.4/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.94	−24 57.2	2.480	3.266	12.4	20.3
4 11	15 22.96	−25 12.1	2.390	3.269	9.9	20.1
4 21	15 16.04	−25 17.3	2.323	3.271	7.0	19.9
5 1	15 7.73	−25 12.4	2.282	3.272	3.9	19.7
5 11	14 58.80	−24 58.1	2.270	3.274	2.4	19.6
5 21	14 50.10	−24 36.8	2.287	3.275	4.6	19.8
5 31	14 42.42	−24 11.7	2.331	3.276	7.6	20.0
6 10	14 36.41	−23 46.8	2.400	3.277	10.5	20.1

142058 2002 QM_{27} 5 8.2 294°.83 1°.5/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.93	−15 30.1	1.501	2.342	16.6	20.6
4 11	15 23.44	−15 10.8	1.406	2.322	12.9	20.3
4 21	15 17.06	−14 43.0	1.331	2.301	8.6	20.0
5 1	15 8.38	−14 8.8	1.280	2.281	3.7	19.7
5 11	14 58.50	−13 32.6	1.254	2.261	2.4	19.5
5 21	14 48.72	−12 59.6	1.253	2.241	7.5	19.8
5 31	14 40.38	−12 35.3	1.276	2.221	12.5	20.0
6 10	14 34.50	−12 24.2	1.319	2.202	16.9	20.2

462827 2010 SP_{19} 5 8.2 262°.42 1°.5/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.14	−20 47.8	1.714	2.529	16.0	21.8
4 11	15 26.50	−21 1.9	1.613	2.512	12.7	21.5
4 21	15 18.99	−21 6.5	1.533	2.494	8.7	21.2
5 1	15 9.20	−21 1.0	1.477	2.475	4.2	20.9
5 11	14 58.19	−20 46.4	1.448	2.456	1.8	20.7
5 21	14 47.23	−20 25.5	1.446	2.437	6.2	20.9
5 31	14 37.64	−20 3.2	1.469	2.418	10.9	21.1
6 10	14 30.44	−19 44.8	1.515	2.398	15.1	21.3

129746 1999 CE_{119} 5 8.2 11°.25 0°.0/ 7.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 5.03	−16 5.4	28.356	29.161	1.2	23.2
4 11	15 4.16	−16 1.5	28.267	29.164	0.9	23.1
4 21	15 3.17	−15 57.2	28.203	29.167	0.6	23.1
5 1	15 2.11	−15 52.6	28.169	29.169	0.2	23.0
5 11	15 1.02	−15 47.9	28.164	29.172	0.1	23.0
5 21	14 59.95	−15 43.4	28.188	29.175	0.5	23.1
5 31	14 58.92	−15 39.1	28.241	29.177	0.8	23.1
6 10	14 58.00	−15 35.3	28.321	29.180	1.1	23.1

6984 Lewiscarroll 5 8.2 114°.28 1°.7/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 20.18	−12 14.0	3.528	4.344	8.5	17.1
4 11	15 16.29	−11 27.3	3.453	4.356	6.4	17.0
4 21	15 11.30	−10 37.8	3.404	4.369	4.2	16.8
5 1	15 5.61	− 9 47.8	3.384	4.381	2.2	16.7
5 11	14 59.68	− 9 0.0	3.394	4.393	2.1	16.7
5 21	14 53.94	− 8 16.9	3.433	4.405	4.2	16.9
5 31	14 48.84	− 7 40.8	3.501	4.417	6.3	17.0
6 10	14 44.73	− 7 13.2	3.594	4.429	8.3	17.2

238665 2005 EJ_{144} 5 8.2 216°.22 1°.3/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.70	−15 3.1	2.216	3.037	12.6	21.1
4 11	15 21.33	−14 36.2	2.128	3.034	9.7	20.9
4 21	15 15.01	−14 3.3	2.064	3.030	6.3	20.7
5 1	15 7.31	−13 26.8	2.026	3.026	2.8	20.4
5 11	14 59.01	−12 49.9	2.015	3.022	2.0	20.4
5 21	14 50.95	−12 16.3	2.033	3.017	5.5	20.6
5 31	14 43.93	−11 49.6	2.078	3.013	9.0	20.8
6 10	14 38.58	−11 32.5	2.147	3.008	12.1	21.0

469510 2003 MJ_{9} 5 8.2 287°.19 1°.7/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.87	−24 59.6	2.092	2.889	14.1	21.2
4 11	15 23.61	−24 32.0	1.965	2.851	11.3	20.9
4 21	15 16.92	−23 48.7	1.859	2.813	7.9	20.7
5 1	15 8.28	−22 49.4	1.779	2.774	4.1	20.3
5 11	14 58.58	−21 36.4	1.727	2.734	1.8	20.1
5 21	14 48.83	−20 14.4	1.703	2.694	5.5	20.3
5 31	14 40.12	−18 50.1	1.706	2.653	9.8	20.4
6 10	14 33.36	−17 31.0	1.734	2.611	13.8	20.6

219521 2001 QH_{54} 5 8.2 289°.29 8°.9/ 2.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.37	+ 1 25.7	1.649	2.487	15.4	20.6
4 11	15 22.60	+ 2 43.0	1.561	2.464	12.7	20.4
4 21	15 16.27	+ 3 56.7	1.494	2.440	10.2	20.2
5 1	15 7.99	+ 4 58.4	1.451	2.416	8.9	20.0
5 11	14 58.72	+ 5 40.2	1.433	2.392	9.8	20.0
5 21	14 49.58	+ 5 56.3	1.438	2.368	12.4	20.1
5 31	14 41.70	+ 5 44.3	1.466	2.344	15.7	20.2
6 10	14 35.95	+ 5 5.4	1.512	2.320	18.9	20.4

39839 1998 BM_{19} 5 8.2 9°.32 0°.2/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 23.81	−19 1.6	1.099	1.959	20.0	19.1
4 11	15 21.62	−18 55.8	1.035	1.960	15.6	18.8
4 21	15 16.04	−18 36.5	0.989	1.963	10.3	18.5
5 1	15 7.94	−18 5.9	0.964	1.966	4.5	18.2
5 11	14 58.78	−17 28.6	0.962	1.971	1.7	18.0
5 21	14 50.16	−16 51.1	0.982	1.977	7.6	18.4
5 31	14 43.56	−16 20.4	1.024	1.984	13.1	18.7
6 10	14 39.95	−16 2.3	1.084	1.993	17.7	19.0

71257 2000 AV_{17} 5 8.2 154°.41 0°.2/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.66	−19 8.4	2.467	3.270	12.0	20.3
4 11	15 22.58	−18 54.7	2.384	3.278	9.3	20.1
4 21	15 15.70	−18 33.7	2.324	3.285	6.1	19.9
5 1	15 7.57	−18 6.4	2.292	3.291	2.7	19.7
5 11	14 58.94	−17 35.3	2.288	3.297	1.0	19.5
5 21	14 50.60	−17 3.3	2.314	3.303	4.5	19.8
5 31	14 43.28	−16 33.9	2.368	3.308	7.8	20.0
6 10	14 37.55	−16 10.2	2.446	3.312	10.7	20.2

101999 1999 RM_{76} 5 8.2 243°.98 2°.6/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.91	−13 2.2	1.958	2.782	13.9	20.4
4 11	15 24.19	−12 16.9	1.857	2.764	10.8	20.1
4 21	15 17.14	−11 24.4	1.779	2.746	7.2	19.9
5 1	15 8.31	−10 28.2	1.728	2.726	3.5	19.6
5 11	14 58.62	− 9 33.2	1.704	2.706	3.3	19.5
5 21	14 49.06	− 8 44.4	1.708	2.685	7.0	19.7
5 31	14 40.66	− 8 6.9	1.738	2.664	11.0	19.9
6 10	14 34.19	− 7 43.8	1.791	2.642	14.6	20.1

212607 2006 SN_{299} 5 8.2 142°.56 3°.4/10.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 28.20	−27 11.0	2.293	3.077	13.4	21.0
4 11	15 23.40	−27 36.7	2.205	3.078	10.8	20.8
4 21	15 16.47	−27 51.2	2.138	3.080	7.9	20.6
5 1	15 7.97	−27 53.3	2.097	3.081	4.9	20.5
5 11	14 58.77	−27 43.4	2.083	3.082	3.4	20.4
5 21	14 49.79	−27 23.3	2.098	3.083	5.2	20.5
5 31	14 41.95	−26 57.0	2.139	3.085	8.2	20.7
6 10	14 35.94	−26 29.1	2.205	3.086	11.1	20.9

338054 2002 NN_{77} 5 8.2 314°.00 1°.0/ 8.9 18

4 1	15 25.69	−21 45.2	1.932	2.747	14.4	20.7
4 11	15 21.70	−21 30.2	1.845	2.744	11.3	20.5
4 21	15 15.45	−21 3.8	1.781	2.742	7.6	20.3
5 1	15 7.55	−20 26.9	1.742	2.740	3.6	20.0
5 11	14 58.95	−19 42.6	1.729	2.738	1.3	19.9
5 21	14 50.64	−18 55.1	1.744	2.736	5.3	20.1
5 31	14 43.58	−18 9.6	1.785	2.734	9.3	20.4
6 10	14 38.49	−17 31.0	1.849	2.732	12.8	20.6

502415 2015 BL_{255} 5 8.2 148°.51 6°.0/ 3.7 17

4 1	15 27.58	− 1 56.5	2.123	2.948	12.9	21.4
4 11	15 22.62	− 0 53.5	2.057	2.956	10.3	21.3
4 21	15 15.75	+ 0 6.6	2.014	2.964	7.7	21.1
5 1	15 7.59	+ 0 58.4	1.998	2.972	6.1	21.0
5 11	14 58.97	+ 1 37.1	2.009	2.979	6.6	21.1
5 21	14 50.70	+ 1 59.2	2.047	2.985	8.8	21.2
5 31	14 43.58	+ 2 3.1	2.109	2.991	11.4	21.4
6 10	14 38.16	+ 1 49.2	2.194	2.997	13.9	21.6

505618 2014 FE_{18} 5 8.2 80°.80 4°.7/ 3.9 17

4 1	15 23.65	− 6 17.2	2.229	3.061	12.2	21.6
4 11	15 19.47	− 4 58.0	2.170	3.078	9.4	21.4
4 21	15 13.61	− 3 38.4	2.136	3.096	6.7	21.3
5 1	15 6.65	− 2 23.7	2.129	3.113	4.8	21.2
5 11	14 59.34	− 1 19.3	2.150	3.130	5.4	21.3
5 21	14 52.41	− 0 29.2	2.198	3.147	7.7	21.4
5 31	14 46.53	+ 0 4.0	2.271	3.164	10.3	21.6
6 10	14 42.19	+ 0 19.7	2.367	3.181	12.7	21.8

468588 2007 RA_{189} 5 8.2 256°.73 0°.5/ 7.8 16

4 1	15 25.44	−19 16.8	2.283	3.095	12.6	21.8
4 11	15 21.21	−18 30.5	2.178	3.078	9.8	21.6
4 21	15 15.01	−17 33.4	2.095	3.059	6.4	21.3
5 1	15 7.36	−16 27.4	2.040	3.041	2.7	21.1
5 11	14 59.03	−15 16.7	2.013	3.022	1.4	20.9
5 21	14 50.86	−14 6.1	2.015	3.002	5.3	21.1
5 31	14 43.69	−13 1.0	2.045	2.982	9.0	21.3
6 10	14 38.17	−12 5.9	2.099	2.962	12.3	21.5

141234 2001 XC_{245} 5 8.2 240°.21 4°.6/ 4.6 18

4 1	15 25.58	− 3 27.9	2.467	3.289	11.4	20.0
4 11	15 21.01	− 2 51.4	2.379	3.279	9.0	19.8
4 21	15 14.71	− 2 16.7	2.314	3.269	6.5	19.6
5 1	15 7.19	− 1 47.6	2.277	3.258	4.8	19.5
5 11	14 59.12	− 1 27.5	2.267	3.247	5.1	19.5
5 21	14 51.23	− 1 19.4	2.285	3.236	7.3	19.6
5 31	14 44.22	− 1 24.7	2.329	3.225	10.0	19.7
6 10	14 38.66	− 1 43.9	2.396	3.213	12.5	19.9

238014 2002 TA_{320} 5 8.2 191°.10 0°.3/ 8.5 17

4 1	15 26.20	−19 46.6	2.269	3.079	12.7	21.4
4 11	15 21.72	−19 31.0	2.181	3.078	9.9	21.2
4 21	15 15.28	−19 6.8	2.116	3.077	6.6	21.0
5 1	15 7.45	−18 35.2	2.077	3.076	2.9	20.7
5 11	14 59.03	−17 59.0	2.066	3.075	1.0	20.6
5 21	14 50.86	−17 21.4	2.083	3.073	4.8	20.8
5 31	14 43.76	−16 46.4	2.128	3.071	8.3	21.1
6 10	14 38.34	−16 17.8	2.197	3.069	11.5	21.3

347296 2011 OT_5 5 8.2 106°.55 4°.0/ 2.1 18

4 1	15 16.95	+ 3 26.7	4.447	5.257	6.9	20.7
4 11	15 13.67	+ 4 5.2	4.374	5.257	5.7	20.6
4 21	15 9.56	+ 4 40.0	4.328	5.257	4.6	20.5
5 1	15 4.90	+ 5 8.8	4.308	5.258	4.1	20.4
5 11	15 0.02	+ 5 29.5	4.317	5.258	4.4	20.5
5 21	14 55.26	+ 5 40.9	4.353	5.258	5.4	20.5
5 31	14 50.95	+ 5 42.3	4.415	5.259	6.7	20.6
6 10	14 47.36	+ 5 33.6	4.500	5.259	7.9	20.7

174865 2004 BS_{16} 5 8.2 78°.78 2°.9/ 9.7 18

4 1	15 32.74	−23 58.6	1.571	2.381	17.4	20.2
4 11	15 27.54	−24 25.4	1.506	2.399	13.8	20.0
4 21	15 19.45	−24 39.4	1.461	2.416	9.6	19.8
5 1	15 9.29	−24 39.1	1.440	2.433	5.2	19.6
5 11	14 58.34	−24 25.7	1.445	2.450	3.0	19.5
5 21	14 47.97	−24 2.8	1.476	2.467	6.2	19.7
5 31	14 39.38	−23 35.8	1.532	2.483	10.3	20.0
6 10	14 33.39	−23 10.7	1.611	2.500	14.0	20.2

213813 2003 PW_{12} 5 8.2 213°.13 2°.0/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 29.90	−13 59.0	1.901	2.724	14.3	21.2
4 11	15 24.94	−13 27.1	1.811	2.717	11.1	20.9
4 21	15 17.59	−12 48.6	1.743	2.710	7.3	20.7
5 1	15 8.51	−12 6.5	1.702	2.702	3.3	20.4
5 11	14 58.62	−11 24.9	1.688	2.693	2.7	20.4
5 21	14 48.98	−10 48.3	1.702	2.684	6.6	20.6
5 31	14 40.60	−10 20.9	1.742	2.673	10.6	20.8
6 10	14 34.25	−10 5.9	1.805	2.663	14.2	21.0

430779 2004 TP_{92} 5 8.2 135°.44 1°.0/ 7.4 17

4 1	15 26.72	−17 16.0	2.163	2.980	13.0	21.7
4 11	15 22.04	−16 33.6	2.087	2.990	10.0	21.5
4 21	15 15.42	−15 42.9	2.033	2.999	6.5	21.3
5 1	15 7.48	−14 46.8	2.007	3.008	2.7	21.1
5 11	14 59.06	−13 49.3	2.009	3.016	1.7	21.0
5 21	14 51.00	−12 55.0	2.039	3.024	5.4	21.3
5 31	14 44.09	−12 8.2	2.096	3.032	8.9	21.5
6 10	14 38.92	−11 32.4	2.178	3.039	12.0	21.7

238273 2003 WY_{71} 5 8.2 242°.61 4°.8/11.2 17

4 1	15 31.47	−30 56.1	2.383	3.143	13.6	21.0
4 11	15 26.16	−31 35.7	2.275	3.129	11.3	20.8
4 21	15 18.47	−32 3.4	2.190	3.115	8.6	20.6
5 1	15 8.94	−32 16.4	2.130	3.100	6.1	20.4
5 11	14 58.45	−32 13.7	2.097	3.085	4.8	20.3
5 21	14 48.00	−31 56.3	2.092	3.069	6.0	20.3
5 31	14 38.63	−31 27.8	2.115	3.053	8.7	20.4
6 10	14 31.19	−30 53.5	2.162	3.036	11.6	20.6

74621 1999 RG_{28} 5 8.2 264°.39 4°.2/ 5.7 18

4 1	15 28.24	− 9 21.9	1.654	2.492	15.4	20.1
4 11	15 24.06	− 8 37.5	1.562	2.476	12.0	19.9
4 21	15 17.26	− 7 49.0	1.493	2.459	8.2	19.6
5 1	15 8.45	− 7 1.2	1.448	2.443	4.8	19.4
5 11	14 58.65	− 6 19.8	1.429	2.426	5.0	19.3
5 21	14 49.03	− 5 50.1	1.436	2.408	8.6	19.5
5 31	14 40.73	− 5 36.5	1.467	2.391	12.8	19.7
6 10	14 34.65	− 5 40.7	1.519	2.373	16.6	19.9

350138 2011 ST_{46} 5 8.2 297°.61 3°.1/ 5.6 17

4 1	15 23.06	−11 39.5	2.071	2.905	12.9	21.0
4 11	15 19.42	−10 39.9	1.985	2.898	9.9	20.7
4 21	15 13.83	− 9 34.6	1.923	2.891	6.6	20.5
5 1	15 6.86	− 8 28.0	1.888	2.884	3.6	20.3
5 11	14 59.30	− 7 25.3	1.880	2.878	3.8	20.3
5 21	14 51.99	− 6 31.5	1.899	2.871	6.9	20.5
5 31	14 45.73	− 5 50.9	1.944	2.865	10.3	20.7
6 10	14 41.15	− 5 25.8	2.011	2.859	13.4	20.9

281351 2007 VT_{10} 5 8.2 258°.49 4°.6/ 4.4 18

4 1	15 26.31	− 4 45.2	2.416	3.238	11.7	21.1
4 11	15 21.73	− 3 55.0	2.314	3.215	9.2	20.9
4 21	15 15.30	− 3 4.4	2.235	3.191	6.6	20.7
5 1	15 7.51	− 2 17.6	2.184	3.167	4.8	20.5
5 11	14 59.04	− 1 38.9	2.161	3.142	5.3	20.5
5 21	14 50.66	− 1 12.1	2.166	3.117	7.6	20.6
5 31	14 43.14	− 0 59.9	2.196	3.091	10.5	20.7
6 10	14 37.10	− 1 3.3	2.250	3.064	13.3	20.9

230937 2004 XD_2 5 8.2 81°.93 4°.0/11.3 18

4 1	15 30.17	−30 13.9	1.994	2.772	15.3	20.5
4 11	15 24.98	−30 17.0	1.928	2.796	12.4	20.3
4 21	15 17.46	−30 3.7	1.884	2.820	9.1	20.1
5 1	15 8.36	−29 33.4	1.863	2.844	5.8	20.0
5 11	14 58.76	−28 47.9	1.870	2.867	4.0	19.9
5 21	14 49.72	−27 51.6	1.904	2.890	5.6	20.1
5 31	14 42.17	−26 50.5	1.965	2.913	8.6	20.3
6 10	14 36.76	−25 50.9	2.050	2.935	11.6	20.5

15014 Annagekker 5 8.2 124°.67 2°.6/ 9.7 18

4 1	15 32.58	−24 42.6	1.540	2.350	17.7	19.2
4 11	15 27.56	−24 45.5	1.467	2.360	14.0	19.0
4 21	15 19.54	−24 33.2	1.415	2.371	9.8	18.8
5 1	15 9.38	−24 5.0	1.386	2.380	5.2	18.5
5 11	14 58.36	−23 23.3	1.383	2.390	2.7	18.4
5 21	14 47.88	−22 33.2	1.407	2.398	6.3	18.6
5 31	14 39.22	−21 41.7	1.455	2.407	10.7	18.9
6 10	14 33.21	−20 55.8	1.526	2.415	14.7	19.2

212397 2006 JZ_{23} 5 8.2 281°.17 0°.3/ 8.4 17

4 1	15 27.73	−19 53.0	1.502	2.334	17.0	21.1
4 11	15 24.12	−19 36.3	1.408	2.318	13.4	20.8
4 21	15 17.55	−19 6.5	1.334	2.301	9.0	20.5
5 1	15 8.66	−18 24.9	1.284	2.284	4.0	20.2
5 11	14 58.58	−17 35.1	1.259	2.268	1.4	20.0
5 21	14 48.67	−16 42.7	1.259	2.251	6.8	20.3
5 31	14 40.28	−15 54.7	1.284	2.234	11.9	20.5
6 10	14 34.43	−15 17.6	1.329	2.218	16.5	20.7

430985 2005 WW_{153} 5 8.2 297°.63 3°.2/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.17	− 9 10.9	1.641	2.476	15.7	20.6
4 11	15 25.74	− 9 12.6	1.543	2.454	12.3	20.3
4 21	15 18.52	− 9 14.6	1.465	2.432	8.3	20.0
5 1	15 9.07	− 9 19.6	1.413	2.411	4.3	19.7
5 11	14 58.41	− 9 30.7	1.386	2.389	3.8	19.7
5 21	14 47.78	− 9 50.4	1.386	2.368	7.8	19.8
5 31	14 38.45	−10 20.7	1.411	2.347	12.3	20.0
6 10	14 31.41	−11 2.5	1.457	2.326	16.4	20.2

247180 2001 DH_{38} 5 8.2 165°.68 2°.8/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.04	−27 9.0	2.110	2.892	14.5	21.2
4 11	15 26.43	−27 3.8	2.024	2.898	11.6	21.1
4 21	15 18.47	−26 44.4	1.959	2.904	8.2	20.8
5 1	15 8.86	−26 10.3	1.920	2.908	4.7	20.6
5 11	14 58.56	−25 23.4	1.909	2.912	2.8	20.5
5 21	14 48.65	−24 27.6	1.927	2.916	5.2	20.7
5 31	14 40.09	−23 28.5	1.972	2.918	8.7	20.9
6 10	14 33.59	−22 32.3	2.042	2.919	12.0	21.1

370718 2004 RY_{11} 5 8.2 163°.37 4°.7/11.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.16	−32 56.0	2.571	3.316	13.1	21.9
4 11	15 26.31	−33 22.8	2.481	3.323	10.9	21.8
4 21	15 18.31	−33 35.9	2.412	3.329	8.4	21.6
5 1	15 8.78	−33 33.3	2.370	3.334	6.0	21.5
5 11	14 58.58	−33 14.9	2.355	3.339	4.7	21.4
5 21	14 48.65	−32 42.7	2.369	3.343	5.6	21.4
5 31	14 39.88	−32 0.6	2.410	3.346	7.9	21.6
6 10	14 32.96	−31 14.2	2.477	3.348	10.4	21.8

517571 2014 UF_{35} 5 8.2 162°.23 0°.2/ 8.4 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.63	−19 55.8	1.999	2.807	14.3	22.5
4 11	15 25.31	−19 34.3	1.918	2.814	11.1	22.2
4 21	15 17.73	−19 2.8	1.858	2.820	7.3	22.0
5 1	15 8.53	−18 22.6	1.825	2.825	3.2	21.8
5 11	14 58.70	−17 37.0	1.820	2.829	1.2	21.6
5 21	14 49.24	−16 50.3	1.844	2.833	5.4	21.9
5 31	14 41.10	−16 7.5	1.894	2.836	9.3	22.2
6 10	14 34.96	−15 32.8	1.969	2.838	12.7	22.4

16594 Sorachi 5 8.2 298°.13 4°.6/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.40	− 6 14.4	1.740	2.576	14.9	16.9
4 11	15 23.87	− 5 49.8	1.662	2.572	11.6	16.7
4 21	15 16.94	− 5 26.4	1.606	2.569	8.1	16.4
5 1	15 8.25	− 5 8.2	1.574	2.566	5.1	16.3
5 11	14 58.80	− 4 59.6	1.569	2.562	5.2	16.3
5 21	14 49.64	− 5 3.6	1.590	2.559	8.3	16.4
5 31	14 41.81	− 5 22.1	1.635	2.556	11.9	16.6
6 10	14 36.07	− 5 55.1	1.702	2.552	15.3	16.8

134565 1999 RK_{208} 5 8.2 178°.42 4°.2/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.86	−30 32.0	2.181	2.947	14.6	20.4
4 11	15 27.16	−30 46.5	2.090	2.949	11.9	20.2
4 21	15 19.04	−30 46.0	2.020	2.951	8.9	20.0
5 1	15 9.14	−30 28.8	1.975	2.952	5.9	19.8
5 11	14 58.46	−29 55.3	1.958	2.952	4.2	19.7
5 21	14 48.09	−29 8.4	1.968	2.951	5.8	19.8
5 31	14 39.06	−28 13.5	2.007	2.950	8.8	20.0
6 10	14 32.15	−27 17.0	2.070	2.947	11.9	20.1

297568 2001 RH_{85} 5 8.2 229°.94 1°.0/ 7.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.45	−17 14.5	1.742	2.564	15.4	21.4
4 11	15 25.70	−16 42.1	1.648	2.553	12.0	21.1
4 21	15 18.30	−15 59.3	1.575	2.541	7.9	20.9
5 1	15 8.90	−15 8.3	1.527	2.528	3.4	20.6
5 11	14 58.53	−14 13.6	1.507	2.514	2.0	20.4
5 21	14 48.38	−13 20.6	1.513	2.500	6.7	20.7
5 31	14 39.60	−12 35.3	1.546	2.485	11.2	20.9
6 10	14 33.08	−12 2.4	1.601	2.469	15.2	21.1

68560 2001 XB_{120} 5 8.2 34°.82 7°.9/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 23.80	+ 5 49.1	2.257	3.076	12.5	18.6
4 11	15 19.69	+ 6 51.8	2.194	3.078	10.4	18.5
4 21	15 13.84	+ 7 46.2	2.155	3.081	8.7	18.4
5 1	15 6.83	+ 8 26.7	2.141	3.084	7.9	18.4
5 11	14 59.37	+ 8 48.8	2.152	3.087	8.5	18.4
5 21	14 52.21	+ 8 50.4	2.188	3.090	10.1	18.5
5 31	14 46.06	+ 8 31.0	2.248	3.093	12.2	18.6
6 10	14 41.44	+ 7 52.4	2.327	3.097	14.2	18.8

305233 2007 XX_{19} 5 8.2 201°.87 2°.2/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.82	−25 13.9	2.395	3.185	12.7	21.4
4 11	15 22.21	−25 13.9	2.302	3.183	10.1	21.2
4 21	15 15.64	−25 3.0	2.231	3.180	7.1	21.0
5 1	15 7.65	−24 41.0	2.186	3.177	3.9	20.8
5 11	14 59.03	−24 9.5	2.170	3.174	2.2	20.6
5 21	14 50.65	−23 31.3	2.181	3.171	4.6	20.8
5 31	14 43.30	−22 50.6	2.221	3.168	7.8	21.0
6 10	14 37.65	−22 11.7	2.285	3.164	10.8	21.2

102471 1999 TN_{241} 5 8.2 168°.03 1°.9/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.09	−12 57.6	1.867	2.690	14.5	20.1
4 11	15 25.79	−12 43.1	1.788	2.694	11.2	19.9
4 21	15 18.12	−12 24.3	1.731	2.697	7.4	19.7
5 1	15 8.73	−12 3.7	1.700	2.699	3.4	19.4
5 11	14 58.63	−11 44.5	1.696	2.701	2.6	19.4
5 21	14 48.87	−11 30.1	1.720	2.703	6.4	19.6
5 31	14 40.45	−11 23.6	1.770	2.704	10.4	19.9
6 10	14 34.10	−11 27.2	1.844	2.704	13.9	20.1

472427 2015 BA_{278} 5 8.2 307°.44 1°.5/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.57	−15 50.3	1.710	2.545	15.1	21.0
4 11	15 21.86	−15 19.0	1.626	2.539	11.7	20.8
4 21	15 15.71	−14 39.2	1.563	2.532	7.7	20.5
5 1	15 7.76	−13 53.8	1.525	2.526	3.3	20.3
5 11	14 59.00	−13 7.2	1.513	2.520	2.3	20.2
5 21	14 50.53	−12 24.7	1.528	2.514	6.6	20.4
5 31	14 43.39	−11 51.3	1.567	2.509	10.9	20.7
6 10	14 38.37	−11 30.5	1.629	2.503	14.7	20.9

285995 2001 SJ_{62} 5 8.2 232°.62 3°.4/ 9.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.23	−24 57.1	1.714	2.513	16.6	21.2
4 11	15 29.02	−25 29.0	1.617	2.502	13.4	20.9
4 21	15 20.75	−25 49.3	1.541	2.491	9.6	20.7
5 1	15 10.05	−25 55.4	1.488	2.478	5.6	20.4
5 11	14 58.08	−25 46.8	1.462	2.466	3.5	20.2
5 21	14 46.22	−25 25.8	1.463	2.452	6.5	20.4
5 31	14 35.86	−24 57.3	1.490	2.438	10.8	20.6
6 10	14 28.07	−24 28.0	1.540	2.424	14.9	20.8

64923 2001 YQ_{104} 5 8.2 140°.78 4°.8/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.01	− 5 35.6	1.897	2.729	14.0	19.8
4 11	15 23.27	− 4 56.8	1.825	2.733	10.9	19.6
4 21	15 16.38	− 4 18.8	1.776	2.737	7.7	19.4
5 1	15 7.96	− 3 46.4	1.752	2.740	5.1	19.2
5 11	14 58.95	− 3 23.9	1.755	2.744	5.4	19.3
5 21	14 50.29	− 3 14.8	1.785	2.747	8.1	19.4
5 31	14 42.88	− 3 20.8	1.840	2.750	11.4	19.6
6 10	14 37.38	− 3 42.2	1.917	2.753	14.4	19.8

64450 2001 VC_{30} 5 8.2 103°.18 1°.2/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.82	−22 20.7	1.808	2.622	15.3	19.4
4 11	15 23.44	−22 6.3	1.731	2.628	12.0	19.2
4 21	15 16.63	−21 39.4	1.674	2.635	8.1	19.0
5 1	15 8.10	−21 1.1	1.643	2.641	3.9	18.7
5 11	14 58.89	−20 14.6	1.639	2.647	1.5	18.6
5 21	14 50.09	−19 24.5	1.661	2.653	5.5	18.9
5 31	14 42.70	−18 36.5	1.710	2.659	9.6	19.1
6 10	14 37.44	−17 55.8	1.782	2.665	13.2	19.4

335819 2007 JO_{18} 5 8.2 334°.47 3°.7/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 23.23	−10 58.9	1.451	2.305	16.3	20.9
4 11	15 20.47	−10 21.8	1.369	2.292	12.7	20.6
4 21	15 15.02	− 9 39.7	1.308	2.280	8.5	20.4
5 1	15 7.53	− 8 57.2	1.270	2.269	4.6	20.1
5 11	14 59.09	− 8 20.3	1.257	2.258	4.5	20.1
5 21	14 50.90	− 7 54.4	1.268	2.249	8.5	20.3
5 31	14 44.16	− 7 43.9	1.302	2.240	12.9	20.5
6 10	14 39.74	− 7 51.0	1.356	2.232	16.9	20.7

267362 2001 XS_{42} 5 8.2 187°.65 5°.6/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.73	−32 33.1	2.036	2.801	15.5	20.6
4 11	15 26.64	−33 11.4	1.947	2.800	12.9	20.4
4 21	15 18.90	−33 34.4	1.877	2.800	10.0	20.2
5 1	15 9.16	−33 38.7	1.832	2.799	7.2	20.1
5 11	14 58.48	−33 23.6	1.813	2.798	5.6	20.0
5 21	14 48.05	−32 51.2	1.820	2.797	6.8	20.0
5 31	14 39.04	−32 6.5	1.854	2.795	9.5	20.2
6 10	14 32.30	−31 16.3	1.911	2.793	12.5	20.4

313708 2003 UE_{64} 5 8.2 250°.68 7°.2/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.49	− 2 30.5	1.718	2.555	15.0	20.7
4 11	15 23.29	− 1 11.2	1.634	2.542	12.0	20.5
4 21	15 16.64	+ 0 7.9	1.573	2.528	9.1	20.3
5 1	15 8.17	+ 1 19.3	1.537	2.513	7.3	20.2
5 11	14 58.86	+ 2 15.4	1.527	2.498	8.1	20.2
5 21	14 49.78	+ 2 50.5	1.542	2.483	10.9	20.3
5 31	14 41.98	+ 3 1.3	1.579	2.468	14.2	20.5
6 10	14 36.25	+ 2 48.1	1.637	2.452	17.4	20.6

300196 2006 WZ_{96} 5 8.2 139°.53 0°.1/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.21	−19 7.6	2.828	3.630	10.7	22.5
4 11	15 20.49	−18 49.7	2.747	3.640	8.2	22.4
4 21	15 14.26	−18 25.1	2.690	3.650	5.4	22.2
5 1	15 7.00	−17 55.2	2.660	3.659	2.3	22.0
5 11	14 59.34	−17 22.2	2.659	3.668	0.9	21.9
5 21	14 51.94	−16 48.9	2.689	3.677	4.0	22.1
5 31	14 45.41	−16 18.1	2.746	3.685	6.9	22.3
6 10	14 40.23	−15 52.5	2.829	3.693	9.5	22.5

276545 2003 SF_{89} 5 8.2 206°.23 2°.2/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 25.64	−13 12.9	2.370	3.190	11.9	21.3
4 11	15 21.15	−12 21.5	2.280	3.185	9.2	21.1
4 21	15 14.86	−11 24.2	2.214	3.180	6.0	20.9
5 1	15 7.31	−10 24.5	2.176	3.174	3.0	20.7
5 11	14 59.22	− 9 26.5	2.167	3.168	2.9	20.7
5 21	14 51.36	− 8 34.4	2.186	3.162	5.9	20.9
5 31	14 44.47	− 7 52.3	2.232	3.155	9.1	21.0
6 10	14 39.13	− 7 22.6	2.303	3.147	12.0	21.2

150316 1999 VO_1 5 8.2 76°.62 2°.4/ 9.5 18

4 1	15 30.34	−24 12.6	1.284	2.112	19.5	19.7
4 11	15 26.34	−24 8.5	1.216	2.120	15.5	19.4
4 21	15 19.00	−23 46.7	1.167	2.129	10.7	19.2
5 1	15 9.23	−23 7.4	1.141	2.137	5.5	18.9
5 11	14 58.49	−22 13.9	1.138	2.146	2.5	18.7
5 21	14 48.38	−21 13.0	1.160	2.154	6.9	19.0
5 31	14 40.30	−20 13.3	1.206	2.163	11.9	19.3
6 10	14 35.18	−19 22.7	1.272	2.171	16.3	19.6

504587 2008 UK_{10} 5 8.2 187°.17 1°.7/ 9.5 17

4 1	15 28.36	−23 31.4	2.293	3.088	13.1	22.5
4 11	15 23.45	−23 29.5	2.202	3.087	10.3	22.3
4 21	15 16.48	−23 17.2	2.133	3.087	7.1	22.1
5 1	15 8.03	−22 54.6	2.091	3.085	3.7	21.9
5 11	14 58.94	−22 23.5	2.077	3.084	1.8	21.8
5 21	14 50.09	−21 46.9	2.091	3.082	4.7	22.0
5 31	14 42.35	−21 9.1	2.133	3.079	8.2	22.2
6 10	14 36.39	−20 34.4	2.200	3.077	11.3	22.4

7496 Miroslavholub 5 8.2 179°.26 3°.8/ 4.4 18

4 1	15 24.86	− 2 38.8	3.342	4.152	9.0	18.4
4 11	15 19.94	− 2 5.4	3.261	4.153	7.1	18.3
4 21	15 13.78	− 1 33.9	3.205	4.154	5.2	18.2
5 1	15 6.78	− 1 7.2	3.178	4.155	3.9	18.1
5 11	14 59.44	− 0 47.7	3.180	4.155	4.2	18.1
5 21	14 52.28	− 0 37.3	3.211	4.154	5.8	18.2
5 31	14 45.80	− 0 37.2	3.270	4.153	7.8	18.3
6 10	14 40.40	− 0 47.6	3.353	4.151	9.7	18.5

78878 2003 RK_{13} 5 8.2 196°.42 0°.8/ 7.7 17

4 1	15 29.66	−17 19.2	1.874	2.693	14.6	21.1
4 11	15 24.79	−16 48.8	1.787	2.691	11.3	20.9
4 21	15 17.52	−16 9.2	1.723	2.688	7.4	20.7
5 1	15 8.52	−15 22.6	1.684	2.685	3.2	20.4
5 11	14 58.76	−14 33.0	1.673	2.681	1.7	20.3
5 21	14 49.30	−13 45.3	1.690	2.676	6.1	20.6
5 31	14 41.17	−13 4.6	1.733	2.671	10.2	20.8
6 10	14 35.11	−12 34.9	1.799	2.665	13.9	21.0

179667 2002 QU_{34} 5 8.2 186°.77 0°.9/ 8.8 17

4 1	15 30.90	−20 19.9	1.954	2.762	14.5	21.3
4 11	15 25.72	−20 20.1	1.867	2.762	11.4	21.1
4 21	15 18.14	−20 11.1	1.802	2.762	7.6	20.8
5 1	15 8.79	−19 53.3	1.762	2.761	3.5	20.6
5 11	14 58.65	−19 28.6	1.750	2.759	1.3	20.4
5 21	14 48.80	−19 0.4	1.766	2.757	5.4	20.7
5 31	14 40.25	−18 33.0	1.809	2.754	9.4	20.9
6 10	14 33.77	−18 10.9	1.876	2.751	13.0	21.1

504349 2007 TU_{316} 5 8.2 155°.84 0°.4/ 8.5 17

4 1	15 29.65	−18 11.0	2.713	3.510	11.2	23.3
4 11	15 24.01	−18 22.2	2.627	3.517	8.7	23.1
4 21	15 16.64	−18 28.2	2.565	3.524	5.8	22.9
5 1	15 8.05	−18 29.4	2.531	3.530	2.5	22.7
5 11	14 58.96	−18 26.9	2.527	3.536	0.9	22.6
5 21	14 50.08	−18 22.5	2.553	3.541	4.2	22.9
5 31	14 42.13	−18 18.4	2.607	3.546	7.2	23.1
6 10	14 35.68	−18 17.0	2.687	3.550	9.9	23.2

505243 2012 UB_{88} 5 8.2 151°.79 0°.2/ 8.5 17

4 1	15 25.13	−20 45.6	2.411	3.217	12.2	22.1
4 11	15 20.74	−20 12.2	2.326	3.221	9.4	21.9
4 21	15 14.57	−19 29.1	2.265	3.225	6.2	21.7
5 1	15 7.17	−18 38.2	2.230	3.229	2.7	21.5
5 11	14 59.30	−17 42.7	2.224	3.233	1.0	21.3
5 21	14 51.72	−16 46.5	2.247	3.237	4.5	21.6
5 31	14 45.16	−15 54.2	2.298	3.240	7.9	21.8
6 10	14 40.17	−15 9.4	2.374	3.243	10.8	22.0

304685 2006 WK_{137} 5 8.2 157°.94 1°.1/ 7.3 18

4 1	15 25.50	−14 26.0	2.735	3.547	10.7	21.8
4 11	15 20.77	−14 9.9	2.651	3.552	8.2	21.6
4 21	15 14.49	−13 49.8	2.592	3.556	5.4	21.5
5 1	15 7.12	−13 27.4	2.560	3.560	2.3	21.3
5 11	14 59.32	−13 5.0	2.558	3.564	1.6	21.2
5 21	14 51.75	−12 45.2	2.585	3.568	4.5	21.4
5 31	14 45.04	−12 30.2	2.640	3.571	7.5	21.6
6 10	14 39.69	−12 22.1	2.719	3.574	10.1	21.8

249146 2008 AT_{56} 5 8.2 333°.17 7°.5/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 23.79	+ 1 52.9	1.956	2.789	13.6	20.1
4 11	15 20.05	+ 2 51.0	1.882	2.782	11.1	19.9
4 21	15 14.30	+ 3 43.1	1.831	2.775	8.8	19.7
5 1	15 7.11	+ 4 23.4	1.805	2.769	7.5	19.6
5 11	14 59.32	+ 4 46.3	1.804	2.762	8.2	19.7
5 21	14 51.80	+ 4 48.8	1.827	2.757	10.3	19.8
5 31	14 45.38	+ 4 29.9	1.874	2.751	12.9	19.9
6 10	14 40.70	+ 3 50.7	1.942	2.746	15.4	20.1

285781 2000 WW_9 5 8.3 232°.84 4°.8/ 4.0 18

4 1	15 25.65	− 0 29.1	2.872	3.685	10.3	21.3
4 11	15 20.84	+ 0 4.9	2.781	3.673	8.2	21.1
4 21	15 14.53	+ 0 35.7	2.714	3.660	6.2	21.0
5 1	15 7.16	+ 0 59.7	2.675	3.647	4.9	20.9
5 11	14 59.31	+ 1 13.9	2.665	3.633	5.3	20.9
5 21	14 51.60	+ 1 16.2	2.682	3.619	7.1	21.0
5 31	14 44.64	+ 1 5.4	2.726	3.604	9.3	21.1
6 10	14 38.93	+ 0 41.5	2.793	3.589	11.4	21.2

435982 2009 DC_{130} 5 8.3 112°.90 2°.7/ 5.8 18

4 1	15 24.41	−11 22.3	2.373	3.197	11.8	21.4
4 11	15 20.07	−10 28.0	2.302	3.209	9.0	21.2
4 21	15 14.06	− 9 30.0	2.255	3.221	5.9	21.1
5 1	15 6.94	− 8 32.0	2.236	3.232	3.2	20.9
5 11	14 59.42	− 7 38.2	2.245	3.243	3.3	20.9
5 21	14 52.22	− 6 52.5	2.282	3.253	6.0	21.1
5 31	14 46.02	− 6 18.1	2.346	3.264	8.9	21.3
6 10	14 41.32	− 5 56.6	2.434	3.274	11.6	21.5

31285 1998 FK_{51} 5 8.3 31°.84 5°.9/11.5 18

4 1	15 31.02	−31 13.2	1.976	2.750	15.6	18.3
4 11	15 26.14	−32 17.1	1.897	2.756	12.9	18.2
4 21	15 18.60	−33 7.5	1.838	2.764	10.0	18.0
5 1	15 9.06	−33 40.8	1.804	2.771	7.2	17.8
5 11	14 58.59	−33 55.3	1.795	2.779	5.9	17.8
5 21	14 48.37	−33 52.1	1.813	2.787	7.0	17.8
5 31	14 39.57	−33 35.1	1.857	2.796	9.6	18.0
6 10	14 33.06	−33 10.6	1.924	2.805	12.5	18.2

59795 1999 OE_2 5 8.3 344°.89 2°.3/10.4 18

4 1	15 23.69	−27 46.1	2.198	2.991	13.6	17.9
4 11	15 19.97	−27 14.2	2.107	2.988	10.9	17.7
4 21	15 14.24	−26 26.8	2.038	2.986	7.7	17.5
5 1	15 7.09	−25 24.5	1.994	2.984	4.4	17.3
5 11	14 59.37	−24 10.3	1.978	2.983	2.4	17.1
5 21	14 51.96	−22 49.4	1.989	2.981	4.8	17.3
5 31	14 45.69	−21 27.8	2.029	2.980	8.2	17.5
6 10	14 41.20	−20 11.6	2.093	2.979	11.4	17.7

377669 2005 UM_{282} 5 8.3 346°.69 2°.6/ 6.8 17

4 1	15 20.53	−15 4.6	1.228	2.092	18.0	19.5
4 11	15 18.83	−14 19.3	1.153	2.082	13.9	19.2
4 21	15 14.16	−13 22.6	1.097	2.072	9.2	18.9
5 1	15 7.23	−12 19.3	1.062	2.064	4.2	18.6
5 11	14 59.29	−11 16.8	1.052	2.057	3.6	18.5
5 21	14 51.69	−10 23.1	1.064	2.052	8.5	18.8
5 31	14 45.75	− 9 45.0	1.098	2.048	13.6	19.0
6 10	14 42.41	− 9 26.8	1.151	2.045	18.0	19.3

31593 Romapradhan 5 8.3 160°.71 1°.1/ 7.7 18

4 1	15 30.45	−16 22.1	1.569	2.399	16.5	19.1
4 11	15 25.79	−16 2.0	1.492	2.402	12.8	18.8
4 21	15 18.37	−15 33.3	1.437	2.404	8.4	18.6
5 1	15 8.94	−14 58.3	1.405	2.407	3.6	18.3
5 11	14 58.66	−14 21.2	1.401	2.408	2.0	18.2
5 21	14 48.79	−13 46.8	1.422	2.410	6.8	18.5
5 31	14 40.51	−13 20.3	1.468	2.411	11.4	18.7
6 10	14 34.65	−13 5.5	1.537	2.413	15.3	19.0

474082 2016 JW_{35} 5 8.3 300°.86 0°.0/ 8.1 18

4 1	15 24.09	−21 32.8	1.615	2.445	16.1	20.3
4 11	15 21.09	−20 39.1	1.516	2.425	12.7	20.0
4 21	15 15.43	−19 27.6	1.438	2.405	8.5	19.7
5 1	15 7.75	−18 0.6	1.384	2.385	3.7	19.3
5 11	14 59.08	−16 23.9	1.357	2.366	1.5	19.1
5 21	14 50.62	−14 45.5	1.356	2.347	6.6	19.4
5 31	14 43.54	−13 14.6	1.380	2.328	11.5	19.6
6 10	14 38.73	−11 58.8	1.425	2.309	15.8	19.8

175337 2005 NZ_{45} 5 8.3 279°.03 1°.1/ 7.4 17

4 1	15 24.52	−15 46.9	2.222	3.044	12.5	21.0
4 11	15 20.48	−15 22.0	2.134	3.040	9.7	20.8
4 21	15 14.53	−14 50.8	2.069	3.036	6.3	20.6
5 1	15 7.22	−14 15.4	2.031	3.032	2.7	20.3
5 11	14 59.32	−13 39.0	2.021	3.028	1.7	20.3
5 21	14 51.65	−13 5.3	2.038	3.024	5.3	20.5
5 31	14 44.99	−12 37.9	2.082	3.020	8.8	20.7
6 10	14 39.98	−12 19.6	2.150	3.016	12.0	20.9

89690 2001 YA_{70} 5 8.3 231°.86 1°.0/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 25.87	−14 54.0	2.604	3.417	11.2	20.2
4 11	15 21.26	−14 41.3	2.507	3.408	8.6	20.0
4 21	15 14.94	−14 24.1	2.434	3.399	5.6	19.8
5 1	15 7.38	−14 4.0	2.389	3.389	2.4	19.6
5 11	14 59.25	−13 43.3	2.372	3.379	1.5	19.5
5 21	14 51.28	−13 24.5	2.384	3.369	4.7	19.7
5 31	14 44.16	−13 10.2	2.424	3.358	7.9	19.9
6 10	14 38.46	−13 2.7	2.489	3.347	10.8	20.1

257025 2008 FK_{25} 5 8.3 158°.07 0°.4/ 7.9 17

4 1	15 30.50	−17 33.4	2.018	2.830	14.0	21.8
4 11	15 25.19	−17 16.6	1.937	2.837	10.8	21.6
4 21	15 17.66	−16 52.0	1.880	2.843	7.1	21.4
5 1	15 8.56	−16 21.3	1.849	2.849	3.0	21.1
5 11	14 58.83	−15 47.5	1.845	2.854	1.3	21.0
5 21	14 49.45	−15 14.4	1.871	2.858	5.5	21.3
5 31	14 41.35	−14 46.0	1.923	2.862	9.3	21.5
6 10	14 35.20	−14 25.8	1.999	2.865	12.7	21.7

189068 2000 WX_{178} 5 8.3 276°.73 0°.0/ 8.0 18

4 1	15 32.17	−16 19.0	1.970	2.783	14.3	20.2
4 11	15 27.05	−16 35.7	1.856	2.755	11.2	19.9
4 21	15 19.32	−16 48.1	1.764	2.727	7.5	19.7
5 1	15 9.47	−16 56.2	1.698	2.698	3.3	19.3
5 11	14 58.42	−17 1.2	1.660	2.669	1.3	19.1
5 21	14 47.25	−17 4.9	1.650	2.639	5.9	19.4
5 31	14 37.14	−17 10.1	1.668	2.609	10.3	19.6
6 10	14 29.07	−17 20.0	1.708	2.579	14.3	19.7

511688 2015 BB_{515} 5 8.3 253°.48 6°.7/25.8 18

4 1	15 17.68	+19 40.3	4.546	5.298	7.7	21.0
4 11	15 14.29	+20 35.1	4.491	5.293	7.1	20.9
4 21	15 10.03	+21 20.9	4.460	5.289	6.7	20.9
5 1	15 5.19	+21 54.7	4.452	5.285	6.7	20.9
5 11	15 0.12	+22 14.6	4.468	5.280	7.1	20.9
5 21	14 55.17	+22 19.6	4.508	5.276	7.8	20.9
5 31	14 50.69	+22 9.6	4.568	5.271	8.5	21.0
6 10	14 46.97	+21 45.6	4.647	5.267	9.3	21.1

112667 2002 PR_{91} 5 8.3 222°.35 2°.6/ 6.5 18

4 1	15 28.09	−12 54.1	1.799	2.629	14.7	19.8
4 11	15 23.66	−12 12.7	1.713	2.624	11.3	19.6
4 21	15 16.85	−11 24.9	1.650	2.618	7.5	19.3
5 1	15 8.28	−10 34.5	1.612	2.611	3.7	19.1
5 11	14 58.93	− 9 46.3	1.602	2.604	3.4	19.0
5 21	14 49.86	− 9 5.5	1.618	2.597	7.1	19.2
5 31	14 42.09	− 8 36.5	1.660	2.590	11.2	19.5
6 10	14 36.38	− 8 22.1	1.723	2.582	14.8	19.7

160176 2001 WN_{29} 5 8.3 117°.73 1°.9/ 6.9 17

4 1	15 29.36	−13 37.4	2.211	3.026	12.8	21.7
4 11	15 23.91	−13 1.6	2.145	3.047	9.8	21.5
4 21	15 16.59	−12 21.0	2.103	3.068	6.4	21.3
5 1	15 8.03	−11 38.6	2.088	3.087	2.9	21.1
5 11	14 59.07	−10 58.1	2.102	3.106	2.5	21.1
5 21	14 50.54	−10 23.1	2.145	3.125	5.7	21.4
5 31	14 43.20	− 9 56.8	2.215	3.142	8.9	21.6
6 10	14 37.59	− 9 41.2	2.309	3.159	11.8	21.8

64692 2001 XN_{81} 5 8.3 3°.27 5°.7/ 3.9 18

4 1	15 23.89	− 2 33.2	2.099	2.933	12.8	19.2
4 11	15 19.95	− 1 41.0	2.027	2.933	10.1	19.0
4 21	15 14.15	− 0 51.4	1.978	2.933	7.5	18.9
5 1	15 7.04	− 0 9.4	1.955	2.933	5.8	18.8
5 11	14 59.42	+ 0 20.5	1.958	2.933	6.3	18.8
5 21	14 52.08	+ 0 34.9	1.987	2.934	8.5	18.9
5 31	14 45.79	+ 0 32.1	2.041	2.935	11.2	19.1
6 10	14 41.13	+ 0 12.5	2.117	2.936	13.8	19.3

397676 2008 AM_{99} 5 8.3 291°.12 7°.0/13.5 18

4 1	15 29.05	−38 18.4	2.299	3.032	14.8	20.7
4 11	15 24.50	−39 1.0	2.205	3.028	12.7	20.6
4 21	15 17.47	−39 26.7	2.131	3.024	10.4	20.4
5 1	15 8.58	−39 32.0	2.080	3.020	8.3	20.3
5 11	14 58.80	−39 15.7	2.054	3.016	7.1	20.2
5 21	14 49.23	−38 39.2	2.054	3.012	7.5	20.2
5 31	14 40.96	−37 46.9	2.080	3.009	9.3	20.3
6 10	14 34.79	−36 45.7	2.129	3.005	11.7	20.4

154340 2002 WN_{1} 5 8.3 297°.31 3°.3/ 6.7 17

4 1	15 27.27	−12 44.4	1.232	2.088	18.5	19.7
4 11	15 24.41	−12 12.5	1.140	2.064	14.5	19.4
4 21	15 18.16	−11 32.1	1.067	2.040	9.8	19.0
5 1	15 9.13	−10 47.4	1.015	2.016	4.8	18.7
5 11	14 58.54	−10 4.8	0.987	1.992	4.3	18.5
5 21	14 47.96	− 9 31.4	0.982	1.968	9.5	18.8
5 31	14 39.03	− 9 13.8	0.999	1.945	15.1	19.0
6 10	14 33.01	− 9 15.9	1.035	1.922	20.2	19.2

248991 2007 FL_{22} 5 8.3 281°.69 2°.1/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 16.85	− 7 48.1	4.384	5.203	6.9	20.2
4 11	15 13.69	− 7 12.4	4.291	5.194	5.3	20.1
4 21	15 9.66	− 6 36.1	4.224	5.185	3.6	19.9
5 1	15 5.05	− 6 1.0	4.186	5.176	2.3	19.8
5 11	15 0.18	− 5 29.2	4.177	5.167	2.5	19.8
5 21	14 55.41	− 5 2.3	4.197	5.158	3.9	19.9
5 31	14 51.08	− 4 41.9	4.245	5.149	5.6	20.1
6 10	14 47.48	− 4 28.8	4.319	5.140	7.3	20.2

479134 2013 BC_{48} 5 8.3 175°.16 3°.1/10.8 17

4 1	15 26.38	−28 19.7	2.500	3.278	12.6	21.3
4 11	15 21.86	−28 27.3	2.409	3.278	10.2	21.1
4 21	15 15.42	−28 22.9	2.340	3.279	7.4	21.0
5 1	15 7.61	−28 5.9	2.297	3.279	4.6	20.8
5 11	14 59.20	−27 37.4	2.281	3.280	3.1	20.7
5 21	14 51.03	−26 59.8	2.293	3.280	4.7	20.8
5 31	14 43.89	−26 17.2	2.333	3.280	7.5	21.0
6 10	14 38.41	−25 34.2	2.398	3.280	10.3	21.1

279239 2009 UK_{152} 5 8.3 81°.43 3°.2/ 5.0 18

4 1	15 21.77	− 6 0.2	3.116	3.937	9.3	20.9
4 11	15 17.64	− 5 23.5	3.054	3.956	7.2	20.7
4 21	15 12.30	− 4 47.5	3.016	3.975	5.0	20.6
5 1	15 6.17	− 4 14.9	3.007	3.994	3.4	20.5
5 11	14 59.78	− 3 48.5	3.026	4.013	3.6	20.6
5 21	14 53.64	− 3 30.1	3.074	4.031	5.4	20.7
5 31	14 48.22	− 3 21.3	3.149	4.050	7.5	20.9
6 10	14 43.92	− 3 22.5	3.248	4.068	9.5	21.0

222748 2002 BG_{30} 5 8.3 109°.39 3°.9/10.5 18

4 1	15 35.83	−27 14.6	2.112	2.886	14.7	20.1
4 11	15 29.37	−27 59.5	2.039	2.906	11.9	20.0
4 21	15 20.46	−28 32.7	1.989	2.926	8.6	19.8
5 1	15 9.79	−28 51.8	1.964	2.945	5.5	19.7
5 11	14 58.42	−28 56.5	1.967	2.964	3.9	19.6
5 21	14 47.45	−28 48.5	1.999	2.982	5.7	19.7
5 31	14 37.93	−28 31.9	2.059	3.000	8.7	19.9
6 10	14 30.59	−28 11.8	2.143	3.017	11.7	20.2

38146 1999 JK_{61} 5 8.3 285°.10 1°.5/ 7.3 18

4 1	15 26.14	−17 31.7	1.482	2.322	16.8	18.8
4 11	15 22.85	−16 43.1	1.390	2.306	13.1	18.5
4 21	15 16.70	−15 40.5	1.319	2.289	8.6	18.2
5 1	15 8.35	−14 27.5	1.271	2.273	3.7	17.9
5 11	14 58.92	−13 10.1	1.249	2.257	2.5	17.7
5 21	14 49.71	−11 56.2	1.253	2.240	7.6	18.0
5 31	14 41.99	−10 53.7	1.280	2.224	12.6	18.2
6 10	14 36.72	−10 8.4	1.328	2.208	17.0	18.4

482099 2010 MM_{11} 5 8.3 275°.17 2°.5/ 6.1 17

4 1	15 24.51	−10 47.3	2.522	3.344	11.2	21.8
4 11	15 20.35	−10 13.5	2.415	3.321	8.7	21.6
4 21	15 14.43	− 9 36.3	2.332	3.297	5.8	21.4
5 1	15 7.22	− 8 58.5	2.277	3.273	3.1	21.2
5 11	14 59.37	− 8 23.3	2.249	3.249	3.1	21.1
5 21	14 51.60	− 7 54.2	2.251	3.224	5.9	21.3
5 31	14 44.63	− 7 34.1	2.279	3.200	9.0	21.4
6 10	14 39.07	− 7 25.1	2.331	3.175	11.9	21.6

15453 Brasileirinhos 5 8.3 186°.41 1°.4/ 7.2 18

4 1	15 25.92	−14 28.2	2.327	3.145	12.2	19.1
4 11	15 21.43	−14 3.5	2.241	3.145	9.3	18.9
4 21	15 15.10	−13 33.6	2.179	3.145	6.1	18.7
5 1	15 7.47	−13 0.8	2.144	3.144	2.7	18.4
5 11	14 59.30	−12 28.2	2.137	3.143	2.0	18.4
5 21	14 51.37	−11 59.2	2.159	3.142	5.3	18.6
5 31	14 44.44	−11 36.8	2.208	3.141	8.6	18.8
6 10	14 39.10	−11 23.5	2.280	3.139	11.6	19.0

206105 2002 RK_{191} 5 8.3 268°.52 16°.4/11.1 18

4 1	15 45.04	−40 31.4	1.201	1.958	24.6	19.4
4 11	15 40.81	−43 32.9	1.120	1.948	22.1	19.2
4 21	15 30.90	−46 20.5	1.056	1.937	19.5	18.9
5 1	15 15.42	−48 37.2	1.010	1.926	17.3	18.8
5 11	14 55.98	−50 6.5	0.984	1.915	16.4	18.7
5 21	14 35.64	−50 39.6	0.978	1.904	17.3	18.7
5 31	14 18.08	−50 20.9	0.992	1.892	19.6	18.8
6 10	14 6.02	−49 27.0	1.022	1.881	22.5	18.9

379642 2011 EB_{1} 5 8.3 35°.75 3°.2/10.3 17

4 1	15 28.04	−26 31.4	1.719	2.524	16.3	21.0
4 11	15 23.95	−26 36.9	1.637	2.525	13.1	20.7
4 21	15 17.19	−26 27.1	1.575	2.526	9.3	20.5
5 1	15 8.48	−26 1.2	1.538	2.528	5.4	20.3
5 11	14 58.92	−25 20.9	1.526	2.530	3.2	20.2
5 21	14 49.72	−24 30.6	1.540	2.531	5.9	20.3
5 31	14 42.03	−23 36.7	1.580	2.533	9.9	20.6
6 10	14 36.67	−22 45.9	1.643	2.535	13.6	20.8

111092 2001 VL_{64} 5 8.3 131°.94 1°.6/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 29.94	−21 32.0	1.811	2.623	15.4	19.8
4 11	15 25.21	−21 45.1	1.729	2.625	12.1	19.6
4 21	15 17.93	−21 48.3	1.669	2.628	8.2	19.4
5 1	15 8.78	−21 41.3	1.633	2.630	4.1	19.1
5 11	14 58.81	−21 25.7	1.624	2.632	1.8	19.0
5 21	14 49.15	−21 4.4	1.643	2.634	5.6	19.2
5 31	14 40.90	−20 42.1	1.687	2.636	9.7	19.5
6 10	14 34.85	−20 23.2	1.755	2.638	13.3	19.7

352613 2008 EC_{138} 5 8.3 347°.26 9°.9/30.3 18

4 1	15 23.31	+ 9 42.8	2.042	2.859	13.7	19.6
4 11	15 19.60	+10 56.0	1.980	2.854	11.8	19.5
4 21	15 13.96	+11 57.7	1.940	2.850	10.4	19.4
5 1	15 7.00	+12 41.2	1.923	2.847	9.9	19.3
5 11	14 59.50	+13 1.1	1.930	2.844	10.6	19.4
5 21	14 52.31	+12 55.1	1.961	2.841	12.1	19.5
5 31	14 46.20	+12 23.3	2.012	2.839	14.1	19.6
6 10	14 41.77	+11 28.5	2.083	2.837	16.1	19.7

479879 2014 HE_{6} 5 8.3 87°.80 5°.3/11.7 16

4 1	15 30.40	−32 22.4	2.342	3.100	13.9	21.1
4 11	15 25.31	−33 11.9	2.253	3.102	11.6	20.9
4 21	15 17.91	−33 48.7	2.185	3.103	9.0	20.8
5 1	15 8.78	−34 9.8	2.142	3.105	6.6	20.6
5 11	14 58.81	−34 14.1	2.125	3.107	5.3	20.5
5 21	14 49.02	−34 2.8	2.136	3.108	6.3	20.6
5 31	14 40.40	−33 39.5	2.174	3.110	8.6	20.7
6 10	14 33.75	−33 9.4	2.236	3.112	11.2	20.9

25010 1998 PL_{1} 5 8.3 170°.58 0°.7/ 8.8 18

4 1	15 29.19	−21 38.4	1.936	2.744	14.6	18.4
4 11	15 24.38	−21 14.6	1.852	2.747	11.4	18.2
4 21	15 17.24	−20 38.9	1.790	2.750	7.7	18.0
5 1	15 8.44	−19 52.5	1.753	2.752	3.5	17.8
5 11	14 58.96	−18 58.8	1.744	2.753	1.2	17.6
5 21	14 49.83	−18 2.7	1.764	2.754	5.4	17.9
5 31	14 42.03	−17 9.6	1.810	2.755	9.4	18.1
6 10	14 36.28	−16 24.8	1.879	2.755	13.0	18.3

99485 2002 CD_{170} 5 8.3 163°.54 1°.2/ 7.6 18

4 1	15 31.51	−15 14.1	1.685	2.510	15.7	19.8
4 11	15 26.44	−15 0.8	1.607	2.514	12.2	19.6
4 21	15 18.73	−14 41.0	1.551	2.517	8.0	19.3
5 1	15 9.12	−14 16.6	1.519	2.520	3.4	19.0
5 11	14 58.70	−13 51.2	1.515	2.523	2.1	19.0
5 21	14 48.66	−13 28.6	1.538	2.524	6.5	19.2
5 31	14 40.12	−13 13.2	1.586	2.526	10.9	19.5
6 10	14 33.87	−13 7.9	1.656	2.527	14.7	19.7

387218 2012 UX_{3} 5 8.3 256°.31 0°.4/ 7.9 17

4 1	15 27.14	−16 58.2	2.114	2.932	13.3	21.2
4 11	15 22.71	−16 48.2	2.018	2.921	10.3	21.0
4 21	15 16.15	−16 31.4	1.946	2.910	6.8	20.8
5 1	15 8.00	−16 9.3	1.899	2.899	2.9	20.5
5 11	14 59.11	−15 44.3	1.879	2.888	1.3	20.4
5 21	14 50.37	−15 19.7	1.888	2.877	5.4	20.6
5 31	14 42.72	−14 59.1	1.924	2.865	9.2	20.8
6 10	14 36.86	−14 45.9	1.983	2.853	12.6	21.0

250879 2005 UK_{481} 5 8.3 268°.48 6°.5/ 1.3 18

4 1	15 23.17	+ 1 22.2	2.597	3.418	11.0	21.4
4 11	15 19.20	+ 2 44.9	2.504	3.396	9.0	21.3
4 21	15 13.62	+ 4 5.5	2.435	3.373	7.3	21.1
5 1	15 6.86	+ 5 18.6	2.394	3.349	6.5	21.0
5 11	14 59.54	+ 6 18.9	2.380	3.326	7.2	21.0
5 21	14 52.33	+ 7 2.3	2.392	3.302	9.1	21.1
5 31	14 45.90	+ 7 26.5	2.429	3.278	11.3	21.2
6 10	14 40.78	+ 7 31.1	2.487	3.253	13.5	21.3

8392 1993 OP 5 8.3 220°.30 11°.0/17.2 18

4 1	15 38.39	−48 50.6	2.027	2.694	18.3	18.7
4 11	15 32.69	−49 30.7	1.926	2.685	16.6	18.6
4 21	15 23.37	−49 45.1	1.842	2.675	14.6	18.4
5 1	15 11.26	−49 26.8	1.777	2.664	12.6	18.2
5 11	14 57.87	−48 31.7	1.735	2.653	11.2	18.1
5 21	14 44.95	−47 1.0	1.716	2.641	11.1	18.1
5 31	14 34.14	−45 2.0	1.723	2.629	12.3	18.1
6 10	14 26.53	−42 46.5	1.752	2.615	14.4	18.2

102476 1999 TC_{246} 5 8.3 116°.37 3°.4/ 6.1 18

4 1	15 29.93	−10 28.1	1.773	2.603	14.9	20.1
4 11	15 24.84	− 9 44.9	1.708	2.618	11.4	19.9
4 21	15 17.44	− 8 58.5	1.666	2.632	7.6	19.7
5 1	15 8.48	− 8 13.1	1.650	2.646	4.1	19.5
5 11	14 58.97	− 7 33.7	1.660	2.659	4.1	19.5
5 21	14 49.96	− 7 4.5	1.698	2.672	7.4	19.7
5 31	14 42.36	− 6 48.8	1.761	2.685	11.1	20.0
6 10	14 36.85	− 6 47.9	1.847	2.697	14.3	20.2

255365 2005 WZ_{104} 5 8.3 300°.29 4°.8/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 27.93	− 3 22.6	2.143	2.968	12.9	19.6
4 11	15 23.27	− 3 9.6	2.045	2.947	10.2	19.4
4 21	15 16.51	− 3 0.0	1.969	2.926	7.4	19.1
5 1	15 8.18	− 2 57.5	1.919	2.905	5.1	19.0
5 11	14 59.04	− 3 5.3	1.897	2.884	5.2	18.9
5 21	14 49.99	− 3 25.6	1.901	2.863	7.8	19.0
5 31	14 41.91	− 3 59.5	1.932	2.842	11.0	19.2
6 10	14 35.54	− 4 46.7	1.986	2.821	14.0	19.3

146231 2000 WX_{101} 5 8.3 78°.11 3°.7/ 4.7 18

4 1	15 23.24	− 9 27.7	2.313	3.142	11.9	19.4
4 11	15 19.19	− 8 9.3	2.249	3.158	9.1	19.3
4 21	15 13.51	− 6 47.9	2.209	3.173	6.2	19.1
5 1	15 6.74	− 5 28.5	2.197	3.188	3.9	19.0
5 11	14 59.63	− 4 16.4	2.214	3.204	4.4	19.0
5 21	14 52.87	− 3 15.9	2.259	3.219	6.8	19.2
5 31	14 47.11	− 2 30.4	2.330	3.234	9.6	19.4
6 10	14 42.84	− 2 1.3	2.424	3.249	12.1	19.6

297563 2001 RQ_{28} 5 8.3 192°.13 1°.0/ 7.7 16

4 1	15 30.94	−17 16.7	1.728	2.549	15.6	21.9
4 11	15 26.00	−16 45.1	1.643	2.548	12.1	21.6
4 21	15 18.46	−16 3.6	1.581	2.547	7.9	21.4
5 1	15 9.02	−15 14.6	1.543	2.544	3.4	21.1
5 11	14 58.75	−14 22.6	1.533	2.541	1.9	21.0
5 21	14 48.82	−13 32.8	1.550	2.537	6.5	21.3
5 31	14 40.34	−12 50.8	1.593	2.533	10.9	21.5
6 10	14 34.13	−12 21.1	1.659	2.528	14.7	21.7

97371 2000 AO_{58} 5 8.3 189°.10 2°.8/ 9.8 18

4 1	15 33.16	−25 7.9	1.670	2.472	16.9	20.1
4 11	15 28.04	−25 13.7	1.584	2.472	13.5	19.8
4 21	15 19.98	−25 4.8	1.518	2.471	9.5	19.6
5 1	15 9.73	−24 40.3	1.476	2.469	5.2	19.3
5 11	14 58.47	−24 1.6	1.461	2.467	2.8	19.2
5 21	14 47.56	−23 13.1	1.473	2.464	6.2	19.4
5 31	14 38.28	−22 21.4	1.510	2.460	10.5	19.6
6 10	14 31.55	−21 33.6	1.570	2.456	14.5	19.8

39585 1993 FJ_{26} 5 8.3 321°.41 3°.2/10.1 18

4 1	15 24.89	−25 22.5	1.582	2.402	16.9	18.7
4 11	15 21.98	−25 35.5	1.486	2.384	13.6	18.4
4 21	15 16.21	−25 33.9	1.410	2.366	9.7	18.2
5 1	15 8.20	−25 16.3	1.357	2.349	5.6	17.9
5 11	14 59.02	−24 43.8	1.328	2.333	3.2	17.7
5 21	14 49.98	−24 0.2	1.324	2.317	6.4	17.8
5 31	14 42.38	−23 11.8	1.345	2.302	10.9	18.0
6 10	14 37.23	−22 26.0	1.387	2.288	15.1	18.2

301539 2009 FR_{53} 5 8.3 213°.36 2°.7/ 9.8 17

4 1	15 30.52	−23 44.7	2.252	3.043	13.4	21.4
4 11	15 25.30	−24 23.7	2.161	3.043	10.7	21.2
4 21	15 17.85	−24 54.7	2.094	3.042	7.5	21.0
5 1	15 8.75	−25 16.0	2.052	3.042	4.3	20.8
5 11	14 58.85	−25 27.6	2.039	3.042	2.7	20.6
5 21	14 49.12	−25 30.5	2.054	3.041	5.1	20.8
5 31	14 40.52	−25 27.6	2.096	3.041	8.3	21.0
6 10	14 33.77	−25 22.8	2.163	3.041	11.4	21.2

40994 Tekaridake 5 8.3 267°.76 0°.6/ 7.8 18

4 1	15 25.73	−19 12.3	2.053	2.870	13.6	18.4
4 11	15 21.75	−18 23.7	1.949	2.852	10.6	18.2
4 21	15 15.58	−17 22.9	1.867	2.832	7.0	17.9
5 1	15 7.79	−16 12.3	1.812	2.813	3.0	17.6
5 11	14 59.22	−14 56.5	1.785	2.793	1.5	17.5
5 21	14 50.81	−13 41.0	1.786	2.773	5.8	17.7
5 31	14 43.49	−12 32.0	1.813	2.753	9.8	17.9
6 10	14 38.00	−11 34.8	1.865	2.732	13.4	18.1

19220 1993 OX_{11} 5 8.3 179°.56 1°.0/ 9.2 18

4 1	15 25.28	−22 22.1	2.826	3.619	10.9	18.7
4 11	15 20.69	−22 11.4	2.734	3.620	8.5	18.6
4 21	15 14.51	−21 52.4	2.666	3.621	5.8	18.4
5 1	15 7.22	−21 25.8	2.625	3.621	2.8	18.2
5 11	14 59.46	−20 53.5	2.613	3.621	1.2	18.1
5 21	14 51.90	−20 18.0	2.630	3.621	3.9	18.3
5 31	14 45.20	−19 42.5	2.676	3.620	6.8	18.4
6 10	14 39.87	−19 10.4	2.747	3.619	9.5	18.6

216416 2008 SD_{92} 5 8.3 289°.74 0°.9/ 8.8 17

4 1	15 27.07	−20 45.0	1.810	2.629	15.1	21.0
4 11	15 23.26	−20 39.7	1.705	2.607	11.9	20.8
4 21	15 16.86	−20 23.5	1.622	2.584	8.1	20.5
5 1	15 8.45	−19 56.9	1.562	2.561	3.8	20.2
5 11	14 58.96	−19 22.0	1.530	2.538	1.4	19.9
5 21	14 49.54	−18 42.7	1.523	2.516	5.9	20.2
5 31	14 41.32	−18 4.4	1.543	2.493	10.4	20.4
6 10	14 35.24	−17 32.5	1.585	2.470	14.5	20.6

225895 2001 YJ_{153} 5 8.3 197°.32 1°.2/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 32.29	−20 15.6	2.207	3.005	13.4	20.7
4 11	15 26.63	−20 35.8	2.114	3.002	10.5	20.5
4 21	15 18.72	−20 48.9	2.043	2.999	7.1	20.3
5 1	15 9.13	−20 54.6	1.999	2.996	3.4	20.0
5 11	14 58.74	−20 53.6	1.984	2.992	1.5	19.9
5 21	14 48.53	−20 47.8	1.997	2.987	5.0	20.1
5 31	14 39.47	−20 40.1	2.039	2.982	8.7	20.3
6 10	14 32.29	−20 34.3	2.105	2.976	12.0	20.5

25542 Garabedian 5 8.3 110°.32 1°.2/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.86	−23 0.2	1.697	2.512	16.1	18.8
4 11	15 24.39	−22 33.8	1.623	2.521	12.6	18.6
4 21	15 17.35	−21 52.9	1.570	2.530	8.5	18.4
5 1	15 8.52	−20 59.0	1.541	2.539	4.0	18.1
5 11	14 59.01	−19 56.3	1.539	2.548	1.5	18.0
5 21	14 49.98	−18 50.5	1.565	2.557	5.7	18.3
5 31	14 42.50	−17 48.4	1.615	2.565	10.0	18.5
6 10	14 37.29	−16 56.0	1.689	2.573	13.8	18.8

288282 2004 AH_4 5 8.3 317°.25 8°.0/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.85	−58 17.3	4.173	4.716	10.9	19.8
4 11	15 23.86	−58 51.9	4.068	4.704	10.2	19.7
4 21	15 16.81	−59 10.7	3.980	4.693	9.4	19.6
5 1	15 8.27	−59 11.1	3.910	4.681	8.7	19.5
5 11	14 59.08	−58 51.6	3.861	4.670	8.2	19.5
5 21	14 50.14	−58 12.5	3.834	4.659	8.0	19.4
5 31	14 42.31	−57 15.9	3.831	4.648	8.2	19.4
6 10	14 36.25	−56 5.8	3.851	4.637	8.7	19.5

464758 2003 SB_{324} 5 8.3 244°.23 0°.2/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.92	−18 36.1	1.839	2.657	14.9	22.4
4 11	15 25.29	−18 15.5	1.739	2.641	11.7	22.1
4 21	15 18.10	−17 44.6	1.661	2.626	7.8	21.9
5 1	15 8.95	−17 4.9	1.609	2.609	3.4	21.5
5 11	14 58.81	−16 19.7	1.583	2.592	1.4	21.4
5 21	14 48.82	−15 33.5	1.585	2.574	6.1	21.6
5 31	14 40.10	−14 51.9	1.613	2.556	10.6	21.8
6 10	14 33.53	−14 19.8	1.664	2.537	14.5	22.0

251787 1999 RP_{208} 5 8.3 275°.48 2°.1/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.24	−24 14.7	1.707	2.517	16.2	20.8
4 11	15 25.24	−24 6.1	1.597	2.491	13.0	20.6
4 21	15 18.35	−23 42.3	1.508	2.465	9.1	20.3
5 1	15 9.16	−23 2.5	1.443	2.439	4.8	19.9
5 11	14 58.70	−22 8.6	1.404	2.412	2.2	19.7
5 21	14 48.26	−21 5.3	1.392	2.384	6.3	19.9
5 31	14 39.16	−19 59.6	1.405	2.356	11.1	20.1
6 10	14 32.45	−18 59.4	1.440	2.328	15.5	20.3

37350 2001 TU_{19} 5 8.3 105°.54 3°.3/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.04	−28 18.4	1.929	2.717	15.4	18.9
4 11	15 25.06	−28 12.6	1.856	2.732	12.4	18.8
4 21	15 17.67	−27 51.0	1.803	2.747	8.9	18.6
5 1	15 8.63	−27 13.2	1.776	2.762	5.3	18.4
5 11	14 58.99	−26 21.5	1.775	2.777	3.3	18.3
5 21	14 49.84	−25 20.5	1.801	2.791	5.4	18.5
5 31	14 42.17	−24 16.4	1.855	2.805	8.9	18.7
6 10	14 36.66	−23 15.9	1.933	2.818	12.2	18.9

467083 2016 DP_{27} 5 8.3 102°.27 1°.1/ 8.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.91	−19 58.1	1.551	2.371	17.1	22.1
4 11	15 27.76	−20 11.1	1.482	2.383	13.4	21.9
4 21	15 19.72	−20 14.1	1.432	2.395	9.0	21.7
5 1	15 9.60	−20 7.3	1.407	2.406	4.2	21.4
5 11	14 58.63	−19 52.6	1.408	2.417	1.6	21.3
5 21	14 48.17	−19 33.5	1.436	2.428	6.2	21.6
5 31	14 39.44	−19 14.9	1.489	2.438	10.7	21.9
6 10	14 33.26	−19 1.7	1.564	2.449	14.6	22.1

499139 2009 QT_{62} 5 8.3 258°.64 0°.5/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.87	−19 36.0	1.956	2.768	14.4	22.5
4 11	15 25.20	−19 31.6	1.850	2.748	11.3	22.2
4 21	15 18.04	−19 18.0	1.766	2.728	7.6	22.0
5 1	15 8.94	−18 55.7	1.707	2.707	3.4	21.7
5 11	14 58.83	−18 26.7	1.676	2.685	1.2	21.4
5 21	14 48.77	−17 54.6	1.673	2.663	5.7	21.7
5 31	14 39.88	−17 23.8	1.696	2.640	10.0	21.9
6 10	14 33.02	−16 59.2	1.742	2.617	13.8	22.1

128841 2004 RA_{334} 5 8.3 179°.70 5°.5/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.88	− 0 51.0	2.571	3.387	11.2	21.4
4 11	15 21.89	+ 0 9.1	2.496	3.389	9.0	21.2
4 21	15 15.29	+ 1 6.4	2.445	3.390	6.8	21.1
5 1	15 7.57	+ 1 56.4	2.421	3.390	5.5	21.0
5 11	14 59.42	+ 2 34.9	2.426	3.390	6.0	21.0
5 21	14 51.51	+ 2 58.9	2.459	3.389	7.9	21.2
5 31	14 44.51	+ 3 6.8	2.517	3.387	10.2	21.3
6 10	14 38.93	+ 2 58.7	2.597	3.385	12.4	21.5

308000 2004 RM_{101} 5 8.3 210°.88 0°.5/ 8.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.63	−20 47.7	1.923	2.730	14.8	22.1
4 11	15 26.44	−20 28.8	1.828	2.723	11.6	21.9
4 21	15 18.75	−19 58.4	1.755	2.715	7.8	21.6
5 1	15 9.20	−19 17.6	1.707	2.706	3.5	21.4
5 11	14 58.78	−18 29.1	1.687	2.696	1.2	21.2
5 21	14 48.60	−17 37.7	1.696	2.686	5.7	21.4
5 31	14 39.73	−16 48.8	1.731	2.674	9.9	21.7
6 10	14 32.99	−16 7.7	1.790	2.662	13.7	21.9

292273 2006 SH_{116} 5 8.3 17°.41 0°.4/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.60	−19 7.6	1.300	2.144	18.4	20.4
4 11	15 23.39	−19 6.1	1.232	2.148	14.3	20.1
4 21	15 17.11	−18 53.1	1.183	2.152	9.6	19.9
5 1	15 8.55	−18 30.0	1.156	2.157	4.2	19.6
5 11	14 59.04	−18 0.5	1.154	2.163	1.5	19.4
5 21	14 50.02	−17 29.5	1.175	2.169	6.9	19.7
5 31	14 42.80	−17 3.2	1.220	2.176	11.9	20.0
6 10	14 38.30	−16 46.5	1.285	2.184	16.2	20.3

62506 2000 SJ_{234} 5 8.3 259°.77 0°.3/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.67	−16 9.7	2.395	3.206	12.1	19.4
4 11	15 22.91	−16 15.3	2.296	3.194	9.4	19.1
4 21	15 16.20	−16 16.3	2.220	3.183	6.2	18.9
5 1	15 8.06	−16 13.6	2.171	3.171	2.7	18.7
5 11	14 59.22	−16 8.8	2.150	3.159	1.1	18.5
5 21	14 50.49	−16 4.0	2.159	3.147	4.8	18.8
5 31	14 42.69	−16 1.6	2.195	3.135	8.3	19.0
6 10	14 36.49	−16 4.0	2.255	3.122	11.4	19.1

386859 2011 AB_{23} 5 8.3 114°.50 19°.5/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 38.26	+23 33.7	1.241	2.022	22.7	20.3
4 11	15 32.24	+25 4.4	1.203	2.027	21.1	20.2
4 21	15 22.74	+26 2.2	1.180	2.031	19.9	20.1
5 1	15 10.86	+26 14.3	1.174	2.035	19.5	20.1
5 11	14 58.24	+25 34.0	1.185	2.040	20.0	20.1
5 21	14 46.56	+24 2.1	1.214	2.044	21.2	20.2
5 31	14 37.19	+21 45.7	1.260	2.047	22.9	20.3
6 10	14 30.95	+18 56.4	1.321	2.051	24.7	20.5

161255 2003 EO_{47} 5 8.3 93°.06 0°.1/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.69	−20 21.8	1.894	2.704	14.9	20.4
4 11	15 25.28	−19 50.6	1.833	2.731	11.4	20.2
4 21	15 17.65	−19 8.7	1.795	2.757	7.5	20.0
5 1	15 8.58	−18 18.4	1.783	2.783	3.2	19.8
5 11	14 59.08	−17 23.8	1.799	2.808	1.1	19.7
5 21	14 50.18	−16 29.9	1.843	2.833	5.3	20.0
5 31	14 42.73	−15 41.7	1.914	2.857	9.2	20.3
6 10	14 37.34	−15 3.2	2.009	2.880	12.4	20.6

194860 2002 AF_{36} 5 8.3 105°.33 0°.9/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 22.01	−14 32.6	3.428	4.237	8.8	20.4
4 11	15 17.81	−14 14.1	3.352	4.251	6.7	20.3
4 21	15 12.45	−13 52.3	3.302	4.266	4.4	20.1
5 1	15 6.32	−13 28.9	3.280	4.280	1.9	20.0
5 11	14 59.90	−13 5.7	3.288	4.294	1.3	19.9
5 21	14 53.69	−12 44.6	3.325	4.308	3.7	20.1
5 31	14 48.15	−12 27.7	3.391	4.321	6.0	20.3
6 10	14 43.64	−12 16.3	3.482	4.335	8.1	20.5

260827 2005 QW_6 5 8.3 225°.83 0°.0/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.14	−18 28.6	2.771	3.575	10.8	22.1
4 11	15 20.67	−18 11.6	2.671	3.566	8.4	21.9
4 21	15 14.57	−17 47.9	2.596	3.557	5.5	21.7
5 1	15 7.31	−17 18.8	2.547	3.547	2.4	21.4
5 11	14 59.52	−16 46.5	2.528	3.537	0.9	21.3
5 21	14 51.88	−16 13.8	2.538	3.526	4.2	21.5
5 31	14 45.06	−15 43.7	2.576	3.515	7.3	21.7
6 10	14 39.59	−15 19.0	2.640	3.504	10.0	21.9

137505 1999 VZ_{21} 5 8.3 270°.48 0°.7/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.89	−17 47.2	1.740	2.565	15.4	20.7
4 11	15 24.74	−17 22.1	1.635	2.541	12.1	20.4
4 21	15 17.90	−16 46.4	1.551	2.517	8.0	20.1
5 1	15 8.95	−16 1.7	1.492	2.493	3.5	19.8
5 11	14 58.87	−15 11.8	1.460	2.468	1.7	19.6
5 21	14 48.83	−14 21.9	1.454	2.443	6.6	19.9
5 31	14 40.05	−13 37.9	1.474	2.417	11.3	20.1
6 10	14 33.49	−13 5.1	1.516	2.391	15.6	20.2

206349 2003 QQ_{13} 5 8.3 262°.86 4°.9/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.79	− 8 39.3	1.637	2.477	15.4	20.2
4 11	15 23.78	− 7 39.9	1.548	2.462	12.1	19.9
4 21	15 17.17	− 6 35.7	1.480	2.446	8.4	19.7
5 1	15 8.58	− 5 32.6	1.437	2.429	5.3	19.4
5 11	14 59.03	− 4 37.2	1.419	2.413	5.7	19.4
5 21	14 49.66	− 3 55.7	1.428	2.396	9.2	19.6
5 31	14 41.62	− 3 32.7	1.460	2.378	13.3	19.8
6 10	14 35.78	− 3 30.3	1.513	2.361	17.0	20.0

431449 2007 RW_{162} 5 8.3 281°.41 1°.9/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 25.10	−14 22.9	1.963	2.792	13.7	21.5
4 11	15 21.26	−13 45.4	1.872	2.782	10.5	21.3
4 21	15 15.27	−13 0.8	1.803	2.771	6.9	21.0
5 1	15 7.69	−12 12.2	1.760	2.760	3.2	20.8
5 11	14 59.39	−11 24.1	1.745	2.750	2.6	20.7
5 21	14 51.29	−10 41.1	1.756	2.739	6.3	20.9
5 31	14 44.32	−10 7.5	1.794	2.728	10.2	21.1
6 10	14 39.19	− 9 46.5	1.854	2.718	13.6	21.3

134213 2005 SK_{191} 5 8.3 260°.25 1°.8/ 7.0 18

4 1	15 26.04	−11 54.5	2.379	3.200	11.9	19.9
4 11	15 21.53	−11 44.8	2.292	3.197	9.1	19.7
4 21	15 15.21	−11 32.7	2.229	3.194	6.0	19.5
5 1	15 7.60	−11 20.2	2.192	3.191	2.9	19.3
5 11	14 59.43	−11 9.6	2.184	3.188	2.3	19.3
5 21	14 51.46	−11 3.3	2.204	3.186	5.4	19.5
5 31	14 44.43	−11 3.6	2.252	3.183	8.6	19.7
6 10	14 38.95	−11 11.9	2.323	3.180	11.5	19.8

127670 2003 ER_{2} 5 8.3 356°.89 1°.5/ 9.1 17

4 1	15 24.42	−21 41.7	1.360	2.200	18.0	19.5
4 11	15 21.74	−21 41.4	1.284	2.197	14.2	19.3
4 21	15 16.07	−21 27.3	1.228	2.194	9.7	19.0
5 1	15 8.15	−20 59.9	1.193	2.192	4.6	18.7
5 11	14 59.22	−20 22.3	1.183	2.192	1.8	18.5
5 21	14 50.66	−19 40.0	1.197	2.192	6.6	18.8
5 31	14 43.80	−18 59.6	1.234	2.193	11.5	19.1
6 10	14 39.54	−18 27.4	1.292	2.195	15.8	19.3

38865 2000 SD_{111} 5 8.3 268°.21 1°.6/ 7.4 17

4 1	15 28.33	−15 54.4	1.542	2.378	16.4	19.5
4 11	15 24.46	−15 23.3	1.452	2.364	12.8	19.2
4 21	15 17.76	−14 42.4	1.382	2.351	8.5	18.9
5 1	15 8.89	−13 54.6	1.335	2.337	3.7	18.6
5 11	14 58.93	−13 4.5	1.315	2.322	2.5	18.5
5 21	14 49.18	−12 18.3	1.321	2.308	7.3	18.8
5 31	14 40.89	−11 41.9	1.351	2.293	12.2	19.0
6 10	14 35.02	−11 19.8	1.402	2.279	16.4	19.2

242052 2002 RE_{229} 5 8.3 299°.48 5°.8/ 4.4 18

4 1	15 25.31	− 4 13.4	1.844	2.683	14.1	20.2
4 11	15 21.62	− 3 22.9	1.750	2.660	11.2	19.9
4 21	15 15.63	− 2 32.7	1.678	2.637	8.2	19.7
5 1	15 7.90	− 1 48.1	1.630	2.614	6.0	19.5
5 11	14 59.30	− 1 15.1	1.608	2.591	6.5	19.5
5 21	14 50.81	− 0 58.1	1.613	2.569	9.3	19.6
5 31	14 43.41	− 1 0.0	1.640	2.547	12.8	19.8
6 10	14 37.91	− 1 21.5	1.689	2.524	16.1	19.9

479675 2014 DB_{83} 5 8.3 75°.13 2°.9/10.7 17

4 1	15 25.97	−27 57.8	2.157	2.946	14.0	21.2
4 11	15 21.82	−27 48.1	2.072	2.950	11.2	21.0
4 21	15 15.54	−27 24.1	2.009	2.954	8.1	20.8
5 1	15 7.77	−26 45.5	1.970	2.958	4.8	20.6
5 11	14 59.39	−25 54.6	1.959	2.962	2.9	20.5
5 21	14 51.35	−24 55.4	1.976	2.966	5.0	20.7
5 31	14 44.51	−23 53.2	2.019	2.970	8.3	20.9
6 10	14 39.53	−22 53.9	2.087	2.974	11.4	21.1

248428 2005 SK_{269} 5 8.3 223°.63 4°.1/12.1 18

4 1	15 27.12	−33 7.0	2.874	3.621	11.8	21.2
4 11	15 22.36	−33 15.4	2.769	3.612	9.8	21.0
4 21	15 15.78	−33 10.8	2.685	3.603	7.6	20.9
5 1	15 7.87	−32 51.8	2.628	3.594	5.4	20.7
5 11	14 59.35	−32 18.8	2.598	3.584	4.1	20.6
5 21	14 51.00	−31 34.1	2.596	3.574	5.0	20.7
5 31	14 43.58	−30 41.2	2.623	3.563	7.1	20.8
6 10	14 37.69	−29 45.1	2.675	3.552	9.5	20.9

380778 2005 UO_{353} 5 8.3 190°.77 2°.8/ 9.9 17

4 1	15 32.26	−24 24.2	2.077	2.867	14.4	21.6
4 11	15 26.85	−24 52.2	1.986	2.867	11.5	21.4
4 21	15 19.01	−25 10.2	1.917	2.865	8.1	21.2
5 1	15 9.33	−25 16.8	1.873	2.864	4.6	20.9
5 11	14 58.80	−25 12.2	1.858	2.862	2.8	20.8
5 21	14 48.47	−24 58.4	1.871	2.859	5.4	21.0
5 31	14 39.40	−24 39.1	1.910	2.856	9.0	21.2
6 10	14 32.39	−24 19.3	1.974	2.853	12.3	21.4

140767 2001 UA_{123} 5 8.3 232°.84 0°.0/ 8.1 18

4 1	15 24.67	−19 45.7	2.445	3.253	11.9	20.1
4 11	15 20.51	−19 14.1	2.349	3.247	9.3	19.9
4 21	15 14.56	−18 33.3	2.278	3.240	6.1	19.7
5 1	15 7.33	−17 45.2	2.233	3.233	2.7	19.5
5 11	14 59.56	−16 52.8	2.216	3.225	1.0	19.3
5 21	14 51.99	−16 0.0	2.229	3.218	4.6	19.6
5 31	14 45.36	−15 11.0	2.269	3.210	8.0	19.8
6 10	14 40.26	−14 29.5	2.333	3.202	11.0	20.0

173582 2001 CG_{9} 5 8.3 71°.47 2°.0/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.84	−22 23.0	1.480	2.302	17.7	20.1
4 11	15 26.33	−22 32.4	1.413	2.314	13.9	19.9
4 21	15 18.86	−22 29.0	1.365	2.326	9.5	19.6
5 1	15 9.27	−22 12.4	1.341	2.338	4.7	19.4
5 11	14 58.86	−21 45.1	1.342	2.350	2.1	19.2
5 21	14 48.98	−21 11.6	1.369	2.362	6.3	19.5
5 31	14 40.88	−20 37.8	1.421	2.375	10.8	19.8
6 10	14 35.40	−20 9.7	1.495	2.387	14.7	20.1

439199 2012 BD_{121} 5 8.3 231°.65 1°.2/ 9.4 18

4 1	15 23.62	−23 3.0	2.921	3.714	10.6	21.5
4 11	15 19.46	−22 53.7	2.824	3.709	8.3	21.4
4 21	15 13.76	−22 36.1	2.750	3.703	5.7	21.2
5 1	15 6.97	−22 10.7	2.703	3.698	2.9	21.0
5 11	14 59.71	−21 39.1	2.685	3.692	1.3	20.9
5 21	14 52.61	−21 4.0	2.695	3.686	3.8	21.0
5 31	14 46.30	−20 28.3	2.735	3.680	6.6	21.2
6 10	14 41.29	−19 55.4	2.799	3.674	9.2	21.4

363264 2002 EO_{16} 5 8.3 59°.85 0°.6/ 8.6 18

4 1	15 28.99	−21 26.8	1.300	2.136	18.9	20.7
4 11	15 25.04	−20 58.9	1.242	2.153	14.7	20.5
4 21	15 18.02	−20 15.5	1.203	2.170	9.8	20.2
5 1	15 8.89	−19 19.0	1.187	2.187	4.3	20.0
5 11	14 59.04	−18 15.1	1.195	2.205	1.4	19.8
5 21	14 49.91	−17 11.2	1.229	2.222	6.8	20.2
5 31	14 42.73	−16 14.9	1.286	2.240	11.6	20.5
6 10	14 38.26	−15 32.1	1.365	2.258	15.8	20.8

201630 2003 SU_{266} 5 8.3 187°.04 1°.9/ 6.8 17

4 1	15 26.10	−13 49.8	2.170	2.993	12.8	21.0
4 11	15 21.73	−13 12.2	2.086	2.993	9.8	20.8
4 21	15 15.41	−12 28.9	2.026	2.992	6.4	20.6
5 1	15 7.71	−11 43.0	1.992	2.991	3.0	20.4
5 11	14 59.45	−10 58.2	1.986	2.990	2.5	20.3
5 21	14 51.45	−10 18.8	2.009	2.989	5.9	20.6
5 31	14 44.53	− 9 48.2	2.057	2.988	9.3	20.8
6 10	14 39.29	− 9 29.2	2.130	2.986	12.4	21.0

437832 3752 T_{-3} 5 8.3 208°.00 3°.2/10.4 18

4 1	15 31.34	−26 45.0	2.384	3.161	13.2	21.9
4 11	15 25.91	−27 11.1	2.286	3.156	10.6	21.7
4 21	15 18.29	−27 26.9	2.209	3.150	7.7	21.5
5 1	15 9.02	−27 30.7	2.159	3.144	4.7	21.3
5 11	14 58.94	−27 22.7	2.137	3.137	3.2	21.2
5 21	14 49.01	−27 4.5	2.144	3.129	5.1	21.3
5 31	14 40.17	−26 39.7	2.178	3.122	8.2	21.4
6 10	14 33.14	−26 13.0	2.238	3.113	11.2	21.6

286060 2001 SH_{294} 5 8.3 249°.07 5°.5/12.6 18

4 1	15 29.03	−35 3.3	2.454	3.198	13.7	20.7
4 11	15 24.31	−35 28.3	2.348	3.185	11.5	20.5
4 21	15 17.33	−35 38.3	2.263	3.173	9.1	20.3
5 1	15 8.63	−35 30.7	2.202	3.159	6.8	20.1
5 11	14 59.09	−35 4.8	2.168	3.146	5.5	20.0
5 21	14 49.68	−34 22.6	2.160	3.132	6.3	20.0
5 31	14 41.39	−33 28.2	2.180	3.118	8.5	20.1
6 10	14 34.99	−32 27.7	2.225	3.103	11.1	20.3

196597 2003 QJ_{66} 5 8.3 217°.70 4°.3/ 4.7 18

4 1	15 25.88	− 6 35.3	2.320	3.146	12.0	20.9
4 11	15 21.42	− 5 38.6	2.234	3.138	9.3	20.7
4 21	15 15.16	− 4 40.4	2.171	3.131	6.6	20.6
5 1	15 7.61	− 3 45.2	2.136	3.123	4.5	20.4
5 11	14 59.49	− 2 57.6	2.129	3.114	4.9	20.4
5 21	14 51.59	− 2 21.5	2.149	3.105	7.3	20.6
5 31	14 44.64	− 1 59.8	2.195	3.096	10.2	20.7
6 10	14 39.23	− 1 53.6	2.264	3.086	12.9	20.9

74614 1999 RP_{21} 5 8.3 157°.75 1°.2/ 7.5 18

4 1	15 30.63	−15 51.8	1.942	2.759	14.3	20.7
4 11	15 25.41	−15 26.7	1.863	2.766	11.0	20.4
4 21	15 17.91	−14 54.4	1.807	2.772	7.2	20.2
5 1	15 8.81	−14 17.4	1.778	2.778	3.1	20.0
5 11	14 59.07	−13 39.2	1.776	2.783	1.9	19.9
5 21	14 49.69	−13 4.0	1.802	2.787	5.9	20.2
5 31	14 41.63	−12 36.0	1.855	2.791	9.8	20.4
6 10	14 35.57	−12 18.1	1.931	2.794	13.2	20.6

176740 2002 RL_{74} 5 8.3 322°.37 2°.4/ 9.4 17

4 1	15 25.17	−22 33.7	1.294	2.134	18.7	19.9
4 11	15 22.79	−22 48.2	1.204	2.115	15.0	19.6
4 21	15 17.12	−22 48.7	1.133	2.098	10.5	19.2
5 1	15 8.78	−22 34.2	1.083	2.080	5.4	18.9
5 11	14 59.01	−22 6.2	1.056	2.064	2.6	18.7
5 21	14 49.35	−21 29.1	1.053	2.048	7.2	18.9
5 31	14 41.39	−20 49.9	1.072	2.034	12.5	19.1
6 10	14 36.30	−20 16.3	1.111	2.020	17.4	19.4

67493 2000 RR_{27} 5 8.3 93°.41 0°.6/ 8.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 27.48	−20 55.7	1.814	2.632	15.1	19.3
4 11	15 23.24	−20 38.1	1.736	2.637	11.8	19.1
4 21	15 16.61	−20 9.2	1.679	2.641	7.9	18.9
5 1	15 8.29	−19 30.3	1.647	2.646	3.6	18.6
5 11	14 59.27	−18 44.8	1.642	2.651	1.2	18.5
5 21	14 50.63	−17 57.3	1.664	2.656	5.5	18.8
5 31	14 43.36	−17 13.2	1.712	2.660	9.6	19.0
6 10	14 38.18	−16 37.3	1.783	2.665	13.2	19.3

389285 2009 HY_{76} 5 8.3 4°.34 3°.2/ 5.8 17

4 1	15 20.81	−13 30.9	1.654	2.502	14.9	20.2
4 11	15 18.19	−12 19.5	1.582	2.502	11.4	20.0
4 21	15 13.33	−10 59.6	1.531	2.503	7.5	19.8
5 1	15 6.88	− 9 36.8	1.506	2.505	3.9	19.5
5 11	14 59.80	− 8 18.2	1.506	2.507	4.0	19.6
5 21	14 53.10	− 7 10.6	1.533	2.510	7.6	19.8
5 31	14 47.67	− 6 19.4	1.583	2.515	11.5	20.0
6 10	14 44.20	− 5 47.4	1.655	2.520	15.0	20.2

307857 2004 AJ_{8} 5 8.3 110°.62 21°.3/30.3 18

4 1	15 40.06	+25 47.5	1.158	1.934	24.3	20.1
4 11	15 33.68	+27 36.9	1.133	1.947	22.7	20.0
4 21	15 23.66	+28 48.6	1.122	1.959	21.6	20.0
5 1	15 11.25	+29 9.4	1.126	1.971	21.3	20.0
5 11	14 58.26	+28 33.0	1.147	1.982	21.7	20.0
5 21	14 46.45	+27 1.7	1.183	1.993	22.8	20.2
5 31	14 37.19	+24 43.9	1.235	2.003	24.3	20.3
6 10	14 31.24	+21 52.3	1.301	2.013	25.8	20.5

331857 2003 WN_{7} 5 8.3 197°.70 9°.1/27.6 18

4 1	15 28.72	+19 37.2	3.168	3.913	10.9	21.3
4 11	15 23.07	+20 40.7	3.107	3.908	9.9	21.3
4 21	15 15.97	+21 31.5	3.068	3.903	9.3	21.2
5 1	15 7.90	+22 4.7	3.054	3.897	9.2	21.2
5 11	14 59.44	+22 17.1	3.064	3.890	9.7	21.2
5 21	14 51.22	+22 7.5	3.098	3.882	10.6	21.3
5 31	14 43.81	+21 36.4	3.154	3.874	11.7	21.3
6 10	14 37.68	+20 45.9	3.229	3.865	12.9	21.4

184680 2005 ST_{79} 5 8.3 289°.00 0°.0/ 8.4 17

4 1	15 25.13	−18 42.3	2.304	3.117	12.4	21.2
4 11	15 20.98	−18 31.3	2.215	3.115	9.6	21.0
4 21	15 14.94	−18 12.8	2.149	3.112	6.4	20.8
5 1	15 7.54	−17 48.2	2.110	3.109	2.8	20.6
5 11	14 59.56	−17 19.9	2.098	3.107	1.0	20.4
5 21	14 51.79	−16 50.8	2.114	3.104	4.7	20.7
5 31	14 45.02	−16 24.6	2.158	3.102	8.2	20.9
6 10	14 39.87	−16 4.5	2.225	3.099	11.3	21.1

482087 2010 HP_{21} 5 8.3 311°.61 5°.9/17.8 18

4 1	15 24.15	−49 38.5	4.426	5.046	9.5	20.9
4 11	15 19.74	−49 56.0	4.325	5.043	8.6	20.8
4 21	15 13.88	−50 0.2	4.242	5.040	7.6	20.7
5 1	15 7.02	−49 49.5	4.182	5.037	6.7	20.6
5 11	14 59.76	−49 23.5	4.146	5.034	6.0	20.6
5 21	14 52.69	−48 43.0	4.136	5.032	5.9	20.6
5 31	14 46.41	−47 50.4	4.152	5.029	6.4	20.6
6 10	14 41.39	−46 48.9	4.193	5.026	7.2	20.6

286432 2002 AG_{13} 5 8.3 169°.91 3°.3/11.6 18

4 1	15 27.19	−31 15.4	3.181	3.930	10.7	21.9
4 11	15 22.12	−31 19.0	3.086	3.935	8.8	21.7
4 21	15 15.47	−31 11.4	3.014	3.938	6.6	21.6
5 1	15 7.72	−30 51.8	2.969	3.941	4.4	21.4
5 11	14 59.51	−30 21.2	2.953	3.944	3.3	21.4
5 21	14 51.52	−29 41.5	2.966	3.946	4.2	21.4
5 31	14 44.38	−28 56.0	3.007	3.948	6.3	21.6
6 10	14 38.62	−28 8.8	3.075	3.949	8.5	21.7

294411 2007 VQ_{203} 5 8.3 200°.39 1°.3/ 7.4 17

4 1	15 29.44	−16 24.6	1.767	2.591	15.2	21.4
4 11	15 24.83	−15 49.3	1.682	2.589	11.7	21.2
4 21	15 17.72	−15 4.7	1.620	2.586	7.7	21.0
5 1	15 8.81	−14 13.8	1.582	2.583	3.3	20.7
5 11	14 59.10	−13 21.1	1.572	2.579	2.2	20.6
5 21	14 49.70	−12 31.8	1.589	2.575	6.5	20.9
5 31	14 41.68	−11 51.3	1.631	2.570	10.8	21.1
6 10	14 35.81	−11 23.5	1.697	2.564	14.5	21.3

1786 Raahe 5 8.3 234°.01 2°.6/10.1 18 R

4 1	15 28.43	−25 27.1	2.477	3.261	12.5	16.2
4 11	15 23.58	−25 47.6	2.377	3.254	10.0	16.0
4 21	15 16.71	−25 58.7	2.301	3.246	7.2	15.8
5 1	15 8.35	−25 59.3	2.250	3.238	4.2	15.6
5 11	14 59.26	−25 50.0	2.228	3.231	2.7	15.5
5 21	14 50.30	−25 32.6	2.234	3.222	4.7	15.6
5 31	14 42.33	−25 10.2	2.268	3.214	7.8	15.8
6 10	14 36.03	−24 47.0	2.327	3.205	10.7	15.9

18847 1999 RJ_{32} 5 8.3 247°.38 2°.9/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 26.95	−26 51.8	2.527	3.308	12.4	18.1
4 11	15 22.40	−27 7.6	2.429	3.302	10.0	17.9
4 21	15 15.92	−27 12.9	2.352	3.295	7.2	17.7
5 1	15 8.00	−27 7.0	2.302	3.287	4.4	17.5
5 11	14 59.40	−26 50.4	2.280	3.280	2.9	17.4
5 21	14 50.96	−26 25.2	2.285	3.273	4.7	17.5
5 31	14 43.48	−25 54.8	2.319	3.265	7.6	17.6
6 10	14 37.62	−25 23.5	2.377	3.258	10.4	17.8

207976 1996 TB_{36} 5 8.3 321°.05 2°.1/ 9.0 17

4 1	15 25.87	−19 57.4	1.179	2.030	19.5	19.3
4 11	15 23.81	−20 32.0	1.084	2.003	15.6	18.9
4 21	15 18.15	−20 57.8	1.008	1.977	10.9	18.6
5 1	15 9.40	−21 13.4	0.952	1.951	5.4	18.2
5 11	14 58.79	−21 18.8	0.918	1.926	2.4	17.9
5 21	14 48.00	−21 16.2	0.907	1.903	7.9	18.1
5 31	14 38.91	−21 10.8	0.917	1.881	13.8	18.4
6 10	14 32.98	−21 9.2	0.946	1.860	19.2	18.6

289405 2005 CM_{52} 5 8.3 89°.08 3°.0/ 6.8 17

4 1	15 30.18	−11 35.1	1.500	2.339	16.7	20.5
4 11	15 25.61	−11 9.9	1.433	2.347	12.8	20.3
4 21	15 18.31	−10 40.7	1.386	2.355	8.5	20.1
5 1	15 9.07	−10 11.2	1.364	2.362	4.2	19.8
5 11	14 59.05	− 9 46.3	1.367	2.370	3.7	19.8
5 21	14 49.52	− 9 30.1	1.396	2.378	7.7	20.1
5 31	14 41.61	− 9 26.1	1.449	2.385	12.0	20.3
6 10	14 36.12	− 9 35.9	1.523	2.393	15.8	20.6

293130 2006 XO_{56} 5 8.3 219°.42 0°.1/ 8.4 18

4 1	15 29.42	−19 35.5	2.110	2.918	13.6	21.3
4 11	15 24.54	−19 15.5	2.013	2.909	10.6	21.1
4 21	15 17.43	−18 45.9	1.938	2.900	7.1	20.9
5 1	15 8.69	−18 7.9	1.890	2.890	3.1	20.6
5 11	14 59.17	−17 24.3	1.870	2.879	1.1	20.4
5 21	14 49.86	−16 39.2	1.878	2.868	5.3	20.7
5 31	14 41.69	−15 57.2	1.914	2.856	9.2	20.9
6 10	14 35.39	−15 22.8	1.973	2.843	12.7	21.1

192004 2005 YH_{24} 5 8.3 323°.50 2°.2/ 7.1 17

4 1	15 23.92	−14 9.6	1.460	2.309	16.5	20.2
4 11	15 21.23	−13 44.0	1.369	2.290	12.8	19.9
4 21	15 15.76	−13 10.4	1.300	2.272	8.5	19.6
5 1	15 8.11	−12 32.3	1.253	2.254	3.9	19.3
5 11	14 59.36	−11 54.7	1.231	2.237	3.0	19.2
5 21	14 50.77	−11 23.0	1.233	2.221	7.7	19.4
5 31	14 43.58	−11 2.6	1.259	2.205	12.5	19.7
6 10	14 38.78	−10 57.1	1.305	2.191	16.9	19.9

441361 2008 DR_{77} 5 8.3 327°.73 6°.9/ 3.2 16

4 1	15 22.32	− 1 11.8	1.881	2.722	13.7	20.7
4 11	15 19.18	− 0 8.9	1.798	2.706	11.0	20.5
4 21	15 13.95	+ 0 51.4	1.738	2.691	8.5	20.3
5 1	15 7.20	+ 1 42.8	1.702	2.676	6.9	20.2
5 11	14 59.73	+ 2 19.4	1.691	2.661	7.6	20.2
5 21	14 52.46	+ 2 36.8	1.706	2.648	10.0	20.3
5 31	14 46.27	+ 2 32.7	1.743	2.634	13.0	20.5
6 10	14 41.84	+ 2 7.7	1.801	2.622	15.8	20.6

402910 2007 TC_{72} 5 8.3 148°.48 0°.4/ 8.6 16

4 1	15 31.38	−20 10.7	1.838	2.649	15.2	22.0
4 11	15 26.19	−19 55.5	1.760	2.657	11.8	21.8
4 21	15 18.54	−19 29.8	1.704	2.665	7.9	21.5
5 1	15 9.14	−18 54.8	1.673	2.672	3.5	21.3
5 11	14 59.04	−18 13.7	1.670	2.679	1.2	21.1
5 21	14 49.36	−17 30.8	1.695	2.685	5.6	21.4
5 31	14 41.11	−16 51.3	1.746	2.691	9.7	21.7
6 10	14 35.03	−16 19.8	1.820	2.696	13.3	21.9

476473 2008 FG_{9} 5 8.3 239°.07 3°.7/11.1 17

4 1	15 27.79	−29 24.0	2.528	3.298	12.7	21.6
4 11	15 23.13	−29 45.3	2.428	3.291	10.4	21.4
4 21	15 16.44	−29 55.0	2.351	3.283	7.7	21.2
5 1	15 8.25	−29 51.6	2.299	3.276	5.1	21.0
5 11	14 59.35	−29 35.4	2.274	3.268	3.7	20.9
5 21	14 50.60	−29 8.2	2.278	3.261	5.1	21.0
5 31	14 42.84	−28 33.7	2.309	3.253	7.7	21.1
6 10	14 36.77	−27 56.6	2.364	3.245	10.5	21.3

77142 2001 EC_{2} 5 8.3 57°.25 0°.8/ 8.0 18

4 1	15 33.24	−14 35.7	1.359	2.196	18.2	19.0
4 11	15 28.22	−14 54.6	1.300	2.212	14.0	18.8
4 21	15 20.13	−15 8.7	1.260	2.229	9.2	18.6
5 1	15 9.87	−15 19.0	1.245	2.246	3.9	18.3
5 11	14 58.80	−15 27.4	1.254	2.263	1.8	18.2
5 21	14 48.35	−15 36.6	1.290	2.280	6.9	18.6
5 31	14 39.82	−15 49.6	1.349	2.298	11.7	18.9
6 10	14 34.03	−16 9.1	1.430	2.316	15.7	19.2

192781 1999 UG_{25} 5 8.3 197°.44 1°.7/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 29.44	−24 22.4	2.926	3.703	11.0	23.0
4 11	15 23.95	−24 23.4	2.824	3.698	8.7	22.8
4 21	15 16.76	−24 15.5	2.747	3.693	6.1	22.6
5 1	15 8.33	−23 58.8	2.696	3.688	3.3	22.4
5 11	14 59.35	−23 34.3	2.676	3.681	1.8	22.3
5 21	14 50.53	−23 4.2	2.685	3.674	4.0	22.4
5 31	14 42.56	−22 31.7	2.723	3.665	6.8	22.6
6 10	14 36.03	−22 0.2	2.788	3.656	9.5	22.8

378959 2008 UY_{190} 5 8.3 297°.04 0°.8/ 8.0 14 C

4 1	15 30.40	−15 32.7	1.262	2.108	18.8	21.4
4 11	15 27.17	−15 40.6	1.160	2.078	14.9	21.0
4 21	15 20.34	−15 42.1	1.077	2.047	10.1	20.7
5 1	15 10.38	−15 38.0	1.015	2.017	4.4	20.2
5 11	14 58.48	−15 31.0	0.977	1.986	2.1	20.0
5 21	14 46.28	−15 24.7	0.963	1.955	8.4	20.3
5 31	14 35.61	−15 24.3	0.971	1.924	14.5	20.5
6 10	14 27.98	−15 34.8	0.998	1.894	20.0	20.7

476725 2008 UW_{19} 5 8.3 130°.87 0°.5/ 8.9 18 R

4 1	15 22.46	−20 7.7	3.914	4.705	8.2	22.9
4 11	15 18.10	−20 2.8	3.831	4.717	6.3	22.8
4 21	15 12.66	−19 53.0	3.773	4.729	4.2	22.6
5 1	15 6.50	−19 39.0	3.743	4.740	1.9	22.5
5 11	15 0.05	−19 22.1	3.743	4.752	0.7	22.4
5 21	14 53.76	−19 3.8	3.773	4.763	2.9	22.6
5 31	14 48.07	−18 45.9	3.833	4.774	5.1	22.7
6 10	14 43.33	−18 30.3	3.919	4.784	7.0	22.9

28028 1998 DS_{8} 5 8.3 2°.18 1°.7/ 7.2 18

4 1	15 25.25	−14 17.1	1.936	2.767	13.8	17.8
4 11	15 21.35	−13 52.7	1.856	2.766	10.6	17.6
4 21	15 15.33	−13 22.7	1.798	2.766	7.0	17.4
5 1	15 7.78	−12 49.6	1.766	2.766	3.1	17.2
5 11	14 59.58	−12 17.3	1.761	2.767	2.3	17.1
5 21	14 51.67	−11 49.5	1.782	2.767	6.0	17.3
5 31	14 44.93	−11 29.8	1.830	2.768	9.8	17.6
6 10	14 40.04	−11 21.0	1.900	2.769	13.1	17.8

427029 2014 SS_{308} 5 8.3 170°.60 0°.0/ 8.2 15

4 1	15 30.51	−19 4.7	2.001	2.811	14.2	22.6
4 11	15 25.36	−18 41.1	1.918	2.815	11.0	22.3
4 21	15 17.94	−18 8.0	1.856	2.819	7.3	22.1
5 1	15 8.90	−17 26.9	1.821	2.821	3.1	21.9
5 11	14 59.20	−16 41.3	1.814	2.823	1.2	21.7
5 21	14 49.84	−15 55.5	1.836	2.825	5.4	22.0
5 31	14 41.76	−15 14.2	1.884	2.825	9.4	22.3
6 10	14 35.65	−14 41.7	1.956	2.825	12.8	22.5

275420 2011 CH_{9} 5 8.3 131°.33 2°.8/ 6.3 18

4 1	15 29.37	−10 54.5	2.134	2.954	13.1	21.7
4 11	15 24.12	−10 15.9	2.065	2.969	10.0	21.5
4 21	15 16.92	− 9 34.2	2.019	2.983	6.6	21.3
5 1	15 8.40	− 8 52.9	2.000	2.996	3.5	21.1
5 11	14 59.40	− 8 15.9	2.010	3.009	3.4	21.1
5 21	14 50.81	− 7 46.8	2.048	3.021	6.3	21.3
5 31	14 43.39	− 7 28.5	2.112	3.033	9.6	21.6
6 10	14 37.73	− 7 22.4	2.200	3.044	12.5	21.8

345599 2006 SE_{118} 5 8.3 107°.26 2°.0/ 9.9 17

4 1	15 28.76	−24 12.0	2.612	3.396	11.9	21.5
4 11	15 23.50	−24 24.0	2.536	3.414	9.4	21.3
4 21	15 16.46	−24 27.1	2.483	3.431	6.5	21.1
5 1	15 8.20	−24 21.1	2.457	3.448	3.6	21.0
5 11	14 59.47	−24 7.0	2.459	3.464	2.0	20.9
5 21	14 51.05	−23 47.1	2.491	3.480	4.2	21.1
5 31	14 43.65	−23 24.6	2.551	3.496	7.1	21.3
6 10	14 37.83	−23 2.8	2.637	3.511	9.7	21.5

79047 4184 $T\text{-}_{2}$ 5 8.3 180°.68 0°.3/ 8.1 17

4 1	15 30.82	−17 48.4	1.978	2.790	14.2	20.4
4 11	15 25.66	−17 31.8	1.892	2.791	11.0	20.2
4 21	15 18.18	−17 6.8	1.829	2.792	7.3	20.0
5 1	15 9.03	−16 35.3	1.792	2.792	3.1	19.7
5 11	14 59.16	−16 0.0	1.783	2.792	1.3	19.6
5 21	14 49.60	−15 25.1	1.803	2.791	5.6	19.9
5 31	14 41.30	−14 54.7	1.849	2.789	9.6	20.1
6 10	14 35.01	−14 32.7	1.918	2.787	13.1	20.3

120411 2857 $P\text{–}L$ 5 8.3 335°.77 4°.4/ 5.7 18

4 1	15 19.66	−11 57.9	1.207	2.077	17.9	18.3
4 11	15 18.37	−11 0.1	1.125	2.056	13.9	18.0
4 21	15 14.09	− 9 52.3	1.062	2.037	9.4	17.7
5 1	15 7.48	− 8 41.0	1.021	2.020	5.2	17.4
5 11	14 59.70	− 7 35.0	1.002	2.003	5.4	17.4
5 21	14 52.12	− 6 42.7	1.006	1.988	9.9	17.5
5 31	14 46.14	− 6 11.4	1.031	1.975	14.9	17.8
6 10	14 42.76	− 6 4.2	1.074	1.963	19.4	18.0

25266 Taylorkinyon 5 8.3 296°.05 0°.8/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 26.75	−17 25.1	1.546	2.382	16.4	19.4
4 11	15 23.40	−17 4.5	1.449	2.362	12.8	19.1
4 21	15 17.21	−16 33.3	1.373	2.341	8.6	18.8
5 1	15 8.80	−15 53.4	1.320	2.321	3.7	18.5
5 11	14 59.21	−15 8.9	1.292	2.301	1.8	18.3
5 21	14 49.72	−14 25.2	1.290	2.281	7.0	18.6
5 31	14 41.62	−13 48.4	1.312	2.261	12.0	18.8
6 10	14 35.91	−13 23.8	1.356	2.241	16.4	19.0

126962 2002 FF_{16} 5 8.3 127°.79 2°.8/ 6.0 18

4 1	15 25.92	−13 28.5	2.006	2.834	13.5	19.7
4 11	15 21.67	−12 20.2	1.932	2.841	10.3	19.5
4 21	15 15.42	−11 4.9	1.881	2.848	6.8	19.3
5 1	15 7.79	− 9 47.1	1.857	2.854	3.5	19.1
5 11	14 59.65	− 8 32.7	1.860	2.861	3.4	19.1
5 21	14 51.88	− 7 27.2	1.892	2.867	6.7	19.3
5 31	14 45.28	− 6 35.2	1.950	2.873	10.2	19.5
6 10	14 40.47	− 5 59.3	2.030	2.878	13.3	19.7

188843 2006 DX_{131} 5 8.3 269°.85 0°.8/ 7.3 18

4 1	15 18.07	−14 5.1	4.473	5.282	6.9	21.0
4 11	15 14.69	−13 50.0	4.380	5.279	5.3	20.9
4 21	15 10.43	−13 32.6	4.312	5.275	3.4	20.7
5 1	15 5.57	−13 14.0	4.272	5.272	1.5	20.6
5 11	15 0.45	−12 55.7	4.263	5.269	1.1	20.5
5 21	14 55.43	−12 39.0	4.283	5.266	2.9	20.7
5 31	14 50.86	−12 25.4	4.332	5.262	4.8	20.8
6 10	14 47.03	−12 16.0	4.407	5.259	6.6	20.9

499249 2009 UQ_{149} 5 8.3 191°.32 0°.8/ 7.7 17

4 1	15 28.84	−16 15.8	2.137	2.952	13.2	22.9
4 11	15 23.96	−15 56.5	2.050	2.951	10.2	22.7
4 21	15 16.99	−15 30.5	1.985	2.949	6.7	22.4
5 1	15 8.51	−14 59.7	1.947	2.947	2.9	22.2
5 11	14 59.37	−14 27.1	1.937	2.945	1.6	22.1
5 21	14 50.49	−13 56.3	1.955	2.942	5.4	22.3
5 31	14 42.73	−13 30.9	2.001	2.938	9.1	22.6
6 10	14 36.77	−13 14.0	2.070	2.934	12.4	22.8

506378 2017 QE_{33} 5 8.3 238°.68 2°.3/ 6.8 17

4 1	15 30.59	−11 42.9	2.216	3.031	12.8	22.2
4 11	15 25.36	−11 20.5	2.112	3.014	10.0	22.0
4 21	15 17.99	−10 54.4	2.032	2.995	6.6	21.7
5 1	15 9.00	−10 27.0	1.978	2.976	3.3	21.5
5 11	14 59.18	−10 1.6	1.954	2.956	2.9	21.4
5 21	14 49.46	− 9 41.4	1.958	2.936	6.2	21.6
5 31	14 40.73	− 9 29.7	1.989	2.914	9.9	21.8
6 10	14 33.75	− 9 28.6	2.044	2.892	13.2	21.9

306823 2001 QQ_{330} 5 8.3 236°.53 2°.4/ 9.6 16

4 1	15 33.39	−23 32.2	1.737	2.540	16.3	22.2
4 11	15 28.39	−23 45.8	1.638	2.527	13.0	21.9
4 21	15 20.45	−23 47.4	1.559	2.513	9.1	21.7
5 1	15 10.20	−23 35.8	1.505	2.499	4.9	21.4
5 11	14 58.73	−23 11.6	1.477	2.483	2.5	21.2
5 21	14 47.37	−22 38.0	1.476	2.467	6.2	21.4
5 31	14 37.45	−22 0.5	1.502	2.451	10.7	21.6
6 10	14 29.97	−21 25.6	1.550	2.433	14.8	21.8

320714 2008 DO_{59} 5 8.3 321°.52 3°.9/ 5.8 18

4 1	15 24.03	−12 21.6	1.424	2.277	16.6	19.8
4 11	15 21.22	−11 17.6	1.344	2.266	12.9	19.6
4 21	15 15.68	−10 4.5	1.284	2.256	8.6	19.3
5 1	15 8.08	− 8 48.2	1.247	2.246	4.7	19.0
5 11	14 59.53	− 7 36.6	1.236	2.236	4.8	19.0
5 21	14 51.29	− 6 37.2	1.249	2.227	8.9	19.2
5 31	14 44.53	− 5 56.4	1.285	2.219	13.4	19.5
6 10	14 40.13	− 5 37.2	1.341	2.211	17.5	19.7

206346 2003 PM_{9} 5 8.3 287°.81 0°.0/ 8.1 17

4 1	15 27.80	−19 23.1	1.477	2.310	17.2	20.6
4 11	15 24.42	−19 5.1	1.379	2.289	13.5	20.3
4 21	15 18.02	−18 34.2	1.301	2.268	9.1	20.0
5 1	15 9.20	−17 51.5	1.246	2.247	4.0	19.6
5 11	14 59.09	−17 0.9	1.217	2.226	1.5	19.4
5 21	14 49.06	−16 8.0	1.212	2.205	7.0	19.7
5 31	14 40.50	−15 20.1	1.232	2.183	12.3	19.9
6 10	14 34.52	−14 43.6	1.273	2.162	16.9	20.1

504706 2009 SD_{19} 5 8.3 264°.73 0°.9/ 7.7 17

4 1	15 29.00	−17 1.2	1.961	2.779	14.1	23.1
4 11	15 24.55	−16 34.4	1.852	2.755	11.0	22.8
4 21	15 17.69	−15 58.4	1.765	2.730	7.3	22.5
5 1	15 8.94	−15 15.0	1.704	2.705	3.2	22.2
5 11	14 59.20	−14 27.8	1.671	2.679	1.7	22.1
5 21	14 49.50	−13 41.3	1.665	2.652	6.1	22.3
5 31	14 40.90	−13 0.7	1.686	2.625	10.4	22.5
6 10	14 34.26	−12 30.5	1.730	2.597	14.3	22.7

520087 2013 XW_{27} 5 8.3 197°.70 5°.9/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 27.11	+ 0 1.8	2.476	3.292	11.6	22.2
4 11	15 22.24	+ 1 0.2	2.397	3.289	9.3	22.0
4 21	15 15.66	+ 1 55.3	2.342	3.285	7.2	21.9
5 1	15 7.90	+ 2 42.3	2.314	3.280	5.9	21.8
5 11	14 59.63	+ 3 16.9	2.314	3.275	6.5	21.8
5 21	14 51.59	+ 3 36.0	2.341	3.269	8.4	21.9
5 31	14 44.46	+ 3 38.0	2.393	3.263	10.7	22.0
6 10	14 38.80	+ 3 23.3	2.468	3.256	13.0	22.2

377744 2005 XM_{68} 5 8.3 85°.44 0°.7/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.99	−20 4.6	1.788	2.605	15.3	21.9
4 11	15 24.44	−20 0.3	1.714	2.615	11.9	21.7
4 21	15 17.45	−19 46.2	1.661	2.624	7.9	21.5
5 1	15 8.74	−19 23.2	1.634	2.633	3.6	21.2
5 11	14 59.33	−18 54.1	1.633	2.642	1.2	21.0
5 21	14 50.32	−18 22.6	1.659	2.651	5.5	21.4
5 31	14 42.73	−17 53.6	1.711	2.660	9.6	21.6
6 10	14 37.29	−17 31.2	1.786	2.669	13.2	21.9

178265 2007 YJ_{55} 5 8.3 91°.76 1°.1/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.91	−15 47.7	1.613	2.441	16.2	20.6
4 11	15 25.99	−15 30.6	1.548	2.456	12.5	20.4
4 21	15 18.47	−15 6.2	1.504	2.471	8.1	20.2
5 1	15 9.16	−14 37.0	1.486	2.486	3.5	20.0
5 11	14 59.19	−14 6.7	1.493	2.501	2.0	19.9
5 21	14 49.75	−13 39.9	1.528	2.516	6.4	20.2
5 31	14 41.91	−13 20.6	1.588	2.530	10.7	20.5
6 10	14 36.38	−13 12.0	1.669	2.544	14.4	20.8

505955 2015 FN_{213} 5 8.3 28°.15 8°.1/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 23.61	+ 0 53.4	1.828	2.666	14.1	21.0
4 11	15 20.06	+ 2 26.2	1.767	2.670	11.5	20.9
4 21	15 14.44	+ 3 54.3	1.729	2.673	9.2	20.7
5 1	15 7.40	+ 5 10.0	1.716	2.677	8.1	20.7
5 11	14 59.83	+ 6 6.5	1.728	2.682	8.9	20.7
5 21	14 52.61	+ 6 39.5	1.765	2.686	11.0	20.9
5 31	14 46.60	+ 6 47.4	1.823	2.691	13.6	21.0
6 10	14 42.39	+ 6 31.4	1.902	2.696	16.1	21.2

499179 2009 ST_{188} 5 8.3 215°.55 1°.7/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.01	−13 40.7	2.290	3.104	12.5	23.3
4 11	15 23.99	−13 13.6	2.194	3.096	9.6	23.1
4 21	15 16.99	−12 41.3	2.122	3.086	6.3	22.9
5 1	15 8.53	−12 6.2	2.077	3.077	2.9	22.6
5 11	14 59.40	−11 31.6	2.061	3.066	2.3	22.6
5 21	14 50.45	−11 0.9	2.074	3.055	5.7	22.8
5 31	14 42.51	−10 37.7	2.114	3.043	9.2	23.0
6 10	14 36.24	−10 24.3	2.178	3.030	12.3	23.1

505385 2013 OE_{6} 5 8.3 253°.67 0°.7/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.73	−21 5.9	1.865	2.679	14.9	22.0
4 11	15 24.44	−20 47.4	1.766	2.664	11.8	21.8
4 21	15 17.63	−20 16.9	1.687	2.649	7.9	21.5
5 1	15 8.91	−19 35.3	1.634	2.633	3.6	21.2
5 11	14 59.25	−18 45.5	1.608	2.617	1.2	21.0
5 21	14 49.74	−17 52.1	1.609	2.600	5.7	21.3
5 31	14 41.48	−17 1.1	1.636	2.583	10.1	21.5
6 10	14 35.34	−16 17.9	1.686	2.566	14.0	21.7

437871 2001 FN_{185} 5 8.3 7°.99 0°.2/ 5.7 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 4.64	− 8 21.3	38.668	39.485	0.8	23.3
4 11	15 3.98	− 8 16.4	38.582	39.485	0.6	23.2
4 21	15 3.24	− 8 11.4	38.523	39.485	0.4	23.2
5 1	15 2.45	− 8 6.6	38.493	39.486	0.3	23.2
5 11	15 1.64	− 8 2.2	38.491	39.486	0.3	23.2
5 21	15 0.83	− 7 58.1	38.519	39.486	0.4	23.2
5 31	15 0.07	− 7 54.6	38.575	39.487	0.7	23.2
6 10	14 59.37	− 7 51.8	38.657	39.487	0.9	23.3

457726 2009 FA_{68} 5 8.3 22°.24 1°.8/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.24	−15 23.3	1.210	2.066	18.8	21.0
4 11	15 23.24	−14 57.5	1.148	2.071	14.5	20.7
4 21	15 17.10	−14 22.5	1.104	2.077	9.5	20.4
5 1	15 8.69	−13 41.9	1.082	2.084	4.2	20.1
5 11	14 59.37	−13 1.7	1.084	2.091	2.8	20.1
5 21	14 50.59	−12 27.9	1.109	2.099	7.9	20.4
5 31	14 43.69	−12 6.3	1.157	2.108	12.9	20.7
6 10	14 39.53	−12 0.0	1.225	2.118	17.2	21.0

470121 2006 TL_{129} 5 8.3 201°.11 0°.0/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 24.74	−20 22.5	2.569	3.374	11.6	22.1
4 11	15 20.49	−19 43.9	2.476	3.371	9.0	21.9
4 21	15 14.55	−18 55.9	2.407	3.368	5.9	21.7
5 1	15 7.43	−18 0.4	2.366	3.365	2.6	21.5
5 11	14 59.82	−17 0.6	2.353	3.362	0.9	21.3
5 21	14 52.45	−16 0.5	2.369	3.358	4.4	21.6
5 31	14 45.99	−15 4.4	2.414	3.354	7.6	21.8
6 10	14 41.00	−14 15.9	2.484	3.350	10.5	22.0

238479 2004 RL_{153} 5 8.3 167°.26 4°.9/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.63	−33 41.7	2.416	3.164	13.8	21.4
4 11	15 26.18	−34 1.6	2.326	3.168	11.5	21.2
4 21	15 18.49	−34 6.5	2.257	3.172	8.9	21.1
5 1	15 9.19	−33 54.2	2.212	3.176	6.4	20.9
5 11	14 59.19	−33 24.8	2.195	3.179	5.0	20.8
5 21	14 49.48	−32 40.7	2.206	3.181	5.9	20.9
5 31	14 41.00	−31 46.6	2.244	3.183	8.2	21.0
6 10	14 34.45	−30 48.5	2.307	3.184	10.8	21.2

101757 1999 FA_{25} 5 8.3 91°.90 5°.6/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.59	− 5 35.4	1.826	2.658	14.4	19.4
4 11	15 23.67	− 4 17.4	1.774	2.682	11.2	19.3
4 21	15 16.66	− 3 0.1	1.746	2.705	8.0	19.1
5 1	15 8.30	− 1 49.7	1.744	2.728	5.8	19.0
5 11	14 59.56	− 0 52.6	1.769	2.750	6.3	19.1
5 21	14 51.35	− 0 12.8	1.821	2.772	8.8	19.3
5 31	14 44.51	+ 0 7.3	1.897	2.794	11.8	19.5
6 10	14 39.60	+ 0 7.9	1.994	2.815	14.5	19.8

80619 2000 AW_{176} 5 8.3 197°.53 1°.5/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.31	−15 55.8	2.108	2.923	13.4	20.4
4 11	15 24.35	−15 13.6	2.018	2.920	10.3	20.2
4 21	15 17.27	−14 23.3	1.951	2.916	6.8	20.0
5 1	15 8.66	−13 27.7	1.911	2.911	3.0	19.7
5 11	14 59.39	−12 30.9	1.900	2.906	2.1	19.7
5 21	14 50.39	−11 37.8	1.917	2.900	5.9	19.9
5 31	14 42.54	−10 53.0	1.962	2.893	9.6	20.1
6 10	14 36.51	−10 19.9	2.029	2.886	12.9	20.3

19412 1998 FC_{24} 5 8.4 199°.66 1°.6/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.67	−15 33.2	1.758	2.583	15.2	18.2
4 11	15 25.05	−14 59.5	1.674	2.581	11.7	18.0
4 21	15 17.94	−14 17.5	1.612	2.578	7.7	17.7
5 1	15 9.00	−13 30.2	1.575	2.575	3.4	17.5
5 11	14 59.27	−12 42.0	1.565	2.572	2.4	17.4
5 21	14 49.85	−11 58.0	1.583	2.568	6.6	17.6
5 31	14 41.79	−11 23.2	1.626	2.563	10.9	17.9
6 10	14 35.89	−11 1.3	1.691	2.558	14.6	18.1

465854 2010 RV_{48} 5 8.4 219°.09 0°.9/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.29	−21 2.6	1.992	2.796	14.4	22.1
4 11	15 26.22	−20 56.8	1.895	2.788	11.4	21.9
4 21	15 18.71	−20 40.9	1.820	2.778	7.7	21.7
5 1	15 9.36	−20 15.0	1.770	2.768	3.6	21.4
5 11	14 59.13	−19 41.4	1.749	2.757	1.3	21.2
5 21	14 49.09	−19 3.6	1.755	2.746	5.4	21.5
5 31	14 40.28	−18 26.5	1.789	2.734	9.5	21.7
6 10	14 33.52	−17 54.9	1.846	2.721	13.2	21.9

66942 1999 WR_{12} 5 8.4 169°.44 0°.3/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.83	−18 7.4	2.539	3.342	11.7	20.9
4 11	15 22.83	−17 44.3	2.452	3.347	9.0	20.7
4 21	15 16.07	−17 14.0	2.389	3.351	5.9	20.5
5 1	15 8.10	−16 38.3	2.354	3.354	2.5	20.3
5 11	14 59.63	−15 59.7	2.348	3.356	1.1	20.1
5 21	14 51.41	−15 21.6	2.371	3.358	4.5	20.4
5 31	14 44.16	−14 47.3	2.422	3.360	7.8	20.6
6 10	14 38.44	−14 19.9	2.499	3.361	10.6	20.8

89958 2002 LY_{45} 5 8.4 142°.29 3°.1/ 6.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 50.80	−12 3.6	2.154	2.926	14.5	21.8
4 11	15 40.29	−10 57.2	2.079	2.956	11.2	21.6
4 21	15 27.37	− 9 44.5	2.030	2.983	7.4	21.4
5 1	15 12.88	− 8 29.6	2.013	3.007	3.9	21.3
5 11	14 57.97	− 7 18.2	2.030	3.028	3.7	21.3
5 21	14 43.80	− 6 15.9	2.082	3.046	7.0	21.5
5 31	14 31.37	− 5 27.1	2.164	3.061	10.5	21.8
6 10	14 21.34	− 4 54.0	2.273	3.074	13.6	22.0

216341 2007 WF_{49} 5 8.4 92°.31 1°.0/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.98	−16 10.9	2.236	3.054	12.6	20.8
4 11	15 21.54	−15 40.2	2.165	3.068	9.7	20.6
4 21	15 15.26	−15 3.1	2.116	3.082	6.3	20.5
5 1	15 7.75	−14 22.0	2.095	3.095	2.7	20.2
5 11	14 59.78	−13 40.5	2.102	3.109	1.7	20.2
5 21	14 52.17	−13 2.1	2.137	3.122	5.1	20.4
5 31	14 45.65	−12 30.4	2.199	3.135	8.5	20.7
6 10	14 40.76	−12 8.0	2.285	3.148	11.4	20.9

287978 2003 UF_{159} 5 8.4 290°.06 0°.8/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.26	−15 57.2	1.922	2.746	14.1	20.7
4 11	15 23.11	−15 50.0	1.831	2.737	11.0	20.5
4 21	15 16.65	−15 36.5	1.762	2.728	7.2	20.2
5 1	15 8.48	−15 18.4	1.718	2.719	3.1	20.0
5 11	14 59.49	−14 58.3	1.702	2.710	1.6	19.8
5 21	14 50.69	−14 39.7	1.712	2.701	5.8	20.1
5 31	14 43.06	−14 26.1	1.749	2.692	9.8	20.3
6 10	14 37.37	−14 20.7	1.808	2.683	13.4	20.5

477655 2010 NF_{61} 5 8.4 273°.38 7°.3/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.76	−39 20.5	2.590	3.303	13.7	21.3
4 11	15 26.69	−40 20.4	2.480	3.287	12.0	21.1
4 21	15 19.14	−41 6.1	2.391	3.269	10.0	20.9
5 1	15 9.63	−41 33.7	2.326	3.252	8.3	20.8
5 11	14 59.04	−41 40.6	2.286	3.235	7.3	20.7
5 21	14 48.40	−41 26.8	2.272	3.217	7.7	20.7
5 31	14 38.84	−40 55.4	2.285	3.199	9.3	20.7
6 10	14 31.24	−40 12.0	2.321	3.182	11.4	20.8

169414 2001 XW_{189} 5 8.4 234°.45 2°.6/10.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.83	−26 15.1	1.859	2.652	15.7	20.4
4 11	15 26.98	−26 4.5	1.756	2.638	12.7	20.2
4 21	15 19.41	−25 38.1	1.674	2.623	9.0	19.9
5 1	15 9.74	−24 55.0	1.616	2.608	5.0	19.6
5 11	14 59.03	−23 57.0	1.586	2.591	2.7	19.5
5 21	14 48.49	−22 48.8	1.583	2.574	5.8	19.6
5 31	14 39.32	−21 37.3	1.607	2.556	10.1	19.8
6 10	14 32.46	−20 30.1	1.654	2.537	14.1	20.0

250434 2003 WU_{132} 5 8.4 128°.23 0°.3/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.76	−20 17.8	1.809	2.622	15.3	21.1
4 11	15 25.74	−19 56.2	1.735	2.634	11.9	20.9
4 21	15 18.27	−19 23.5	1.683	2.645	7.9	20.7
5 1	15 9.12	−18 41.4	1.657	2.656	3.5	20.5
5 11	14 59.31	−17 53.5	1.658	2.667	1.2	20.3
5 21	14 49.97	−17 4.7	1.686	2.677	5.6	20.6
5 31	14 42.08	−16 20.4	1.741	2.686	9.7	20.9
6 10	14 36.35	−15 45.0	1.819	2.695	13.3	21.1

179188 2001 TD_{150} 5 8.4 152°.58 1°.7/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.51	−11 52.3	3.245	4.052	9.3	22.4
4 11	15 20.60	−11 23.6	3.165	4.063	7.1	22.3
4 21	15 14.40	−10 52.5	3.111	4.073	4.7	22.1
5 1	15 7.34	−10 20.8	3.085	4.082	2.3	22.0
5 11	14 59.96	− 9 51.1	3.090	4.091	2.1	22.0
5 21	14 52.79	− 9 25.5	3.124	4.099	4.3	22.1
5 31	14 46.35	− 9 6.1	3.187	4.107	6.8	22.3
6 10	14 41.06	− 8 54.2	3.276	4.114	9.0	22.5

57376 2001 RK_{64} 5 8.4 138°.30 1°.3/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.38	−23 30.9	2.057	2.856	14.2	20.0
4 11	15 24.45	−23 6.7	1.977	2.867	11.1	19.8
4 21	15 17.32	−22 30.0	1.920	2.876	7.6	19.6
5 1	15 8.69	−21 41.8	1.889	2.885	3.7	19.3
5 11	14 59.47	−20 45.2	1.886	2.894	1.5	19.2
5 21	14 50.66	−19 45.1	1.911	2.902	5.0	19.4
5 31	14 43.14	−18 46.9	1.963	2.910	8.7	19.7
6 10	14 37.57	−17 55.6	2.040	2.917	12.0	19.9

234793 2002 QF_{50} 5 8.4 138°.80 1°.2/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.96	−15 12.9	2.164	2.983	12.9	20.6
4 11	15 22.45	−14 52.9	2.083	2.988	9.9	20.4
4 21	15 15.98	−14 27.3	2.026	2.991	6.5	20.2
5 1	15 8.11	−13 58.1	1.995	2.995	2.8	20.0
5 11	14 59.67	−13 28.5	1.992	2.999	1.8	19.9
5 21	14 51.52	−13 1.9	2.016	3.002	5.4	20.1
5 31	14 44.46	−12 41.4	2.068	3.005	8.9	20.4
6 10	14 39.12	−12 29.8	2.143	3.008	12.0	20.6

273037 2006 DG_{128} 5 8.4 220°.10 3°.8/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.89	− 8 42.4	2.030	2.860	13.3	21.0
4 11	15 22.53	− 7 57.9	1.947	2.856	10.3	20.8
4 21	15 16.11	− 7 11.0	1.887	2.851	7.0	20.6
5 1	15 8.20	− 6 25.9	1.853	2.846	4.3	20.4
5 11	14 59.64	− 5 47.1	1.847	2.841	4.4	20.4
5 21	14 51.34	− 5 18.8	1.867	2.836	7.3	20.6
5 31	14 44.14	− 5 4.0	1.913	2.830	10.7	20.7
6 10	14 38.71	− 5 4.0	1.982	2.825	13.7	20.9

41286 1999 XN_{106} 5 8.4 215°.28 0°.7/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 24.42	−22 1.9	2.877	3.672	10.7	19.2
4 11	15 20.13	−21 35.0	2.778	3.666	8.4	19.0
4 21	15 14.29	−20 59.2	2.703	3.659	5.6	18.8
5 1	15 7.35	−20 15.7	2.655	3.653	2.6	18.6
5 11	14 59.96	−19 26.8	2.637	3.645	0.9	18.5
5 21	14 52.74	−18 35.6	2.648	3.638	3.9	18.7
5 31	14 46.33	−17 45.8	2.687	3.630	6.8	18.9
6 10	14 41.24	−17 0.9	2.753	3.622	9.5	19.0

156731 2002 XF_{9} 5 8.4 91°.52 1°.5/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.21	−15 6.8	1.334	2.174	18.3	20.5
4 11	15 27.59	−14 53.3	1.270	2.184	14.2	20.2
4 21	15 19.87	−14 32.3	1.224	2.194	9.3	20.0
5 1	15 9.90	−14 6.4	1.202	2.203	4.0	19.7
5 11	14 59.05	−13 40.0	1.205	2.213	2.4	19.6
5 21	14 48.77	−13 17.9	1.234	2.223	7.5	19.9
5 31	14 40.37	−13 4.8	1.286	2.232	12.3	20.2
6 10	14 34.73	−13 4.1	1.358	2.241	16.5	20.5

214670 2006 SU_{159} 5 8.4 17°.59 0°.1/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 26.42	−18 23.9	2.140	2.955	13.2	20.7
4 11	15 22.16	−18 20.3	2.055	2.956	10.2	20.5
4 21	15 15.86	−18 9.6	1.994	2.957	6.8	20.3
5 1	15 8.09	−17 52.9	1.958	2.958	3.0	20.0
5 11	14 59.69	−17 32.2	1.949	2.959	1.0	19.9
5 21	14 51.53	−17 10.7	1.969	2.960	4.9	20.1
5 31	14 44.48	−16 51.7	2.015	2.961	8.6	20.4
6 10	14 39.17	−16 38.5	2.085	2.962	11.8	20.6

488961 2005 UC_{248} 5 8.4 232°.91 0°.3/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.28	−17 21.3	2.789	3.595	10.7	22.7
4 11	15 20.85	−17 6.2	2.688	3.584	8.3	22.5
4 21	15 14.81	−16 45.3	2.612	3.574	5.5	22.3
5 1	15 7.61	−16 19.8	2.563	3.563	2.3	22.1
5 11	14 59.88	−15 52.0	2.543	3.552	1.0	21.9
5 21	14 52.28	−15 24.4	2.553	3.541	4.2	22.2
5 31	14 45.47	−14 59.8	2.591	3.529	7.3	22.3
6 10	14 40.00	−14 40.9	2.654	3.517	10.0	22.5

236360 2006 BM_{197} 5 8.4 2°.07 3°.5/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.01	−12 55.9	1.296	2.148	18.0	20.6
4 11	15 23.71	−12 5.1	1.226	2.148	13.9	20.3
4 21	15 17.40	−11 5.9	1.175	2.147	9.2	20.0
5 1	15 8.88	−10 3.9	1.148	2.148	4.7	19.8
5 11	14 59.43	− 9 6.4	1.145	2.148	4.4	19.7
5 21	14 50.42	− 8 20.5	1.166	2.149	8.8	20.0
5 31	14 43.15	− 7 51.8	1.210	2.150	13.6	20.3
6 10	14 38.50	− 7 43.2	1.273	2.151	17.7	20.5

353625 2011 UF_{50} 5 8.4 6°.24 0°.5/ 8.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.99	−15 39.6	2.276	3.092	12.5	21.0
4 11	15 22.46	−15 42.8	2.191	3.092	9.6	20.8
4 21	15 16.00	−15 41.5	2.128	3.093	6.3	20.6
5 1	15 8.15	−15 36.9	2.092	3.093	2.7	20.3
5 11	14 59.70	−15 30.8	2.085	3.093	1.2	20.2
5 21	14 51.45	−15 25.4	2.105	3.094	4.9	20.5
5 31	14 44.22	−15 23.2	2.153	3.094	8.4	20.7
6 10	14 38.64	−15 26.5	2.225	3.095	11.4	20.9

105316 2000 QN_{73} 5 8.4 253°.01 1°.1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.14	−21 10.8	1.575	2.396	16.8	19.9
4 11	15 25.99	−21 5.7	1.484	2.387	13.3	19.6
4 21	15 18.91	−20 48.2	1.414	2.377	9.0	19.3
5 1	15 9.59	−20 18.6	1.368	2.367	4.3	19.0
5 11	14 59.16	−19 39.4	1.347	2.356	1.5	18.8
5 21	14 48.94	−18 55.5	1.353	2.346	6.4	19.1
5 31	14 40.26	−18 13.1	1.384	2.335	11.2	19.3
6 10	14 34.07	−17 38.4	1.436	2.324	15.5	19.6

202229 2004 YR_{5} 5 8.4 172°.56 3°.1/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.57	−23 56.1	2.279	3.056	13.7	20.5
4 11	15 30.11	−24 52.1	2.186	3.059	10.9	20.3
4 21	15 21.22	−25 40.8	2.117	3.060	7.8	20.1
5 1	15 10.49	−26 19.6	2.075	3.062	4.6	19.9
5 11	14 58.85	−26 47.4	2.062	3.063	3.1	19.8
5 21	14 47.32	−27 4.5	2.079	3.064	5.3	20.0
5 31	14 36.98	−27 13.3	2.124	3.064	8.5	20.2
6 10	14 28.62	−27 17.6	2.195	3.064	11.6	20.3

235336 2003 UT_{210} 5 8.4 287°.45 1°.1/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.34	−23 55.3	1.934	2.744	14.6	19.8
4 11	15 21.75	−23 17.7	1.832	2.728	11.6	19.6
4 21	15 15.83	−22 24.6	1.752	2.711	7.9	19.3
5 1	15 8.17	−21 17.0	1.697	2.694	3.8	19.1
5 11	14 59.69	−19 58.6	1.669	2.678	1.4	18.8
5 21	14 51.40	−18 35.4	1.668	2.661	5.4	19.1
5 31	14 44.31	−17 14.4	1.695	2.644	9.6	19.3
6 10	14 39.20	−16 2.2	1.744	2.628	13.4	19.5

182657 2001 UZ_{195} 5 8.4 136°.47 1°.0/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.93	−15 10.6	2.800	3.608	10.6	22.3
4 11	15 21.15	−14 44.0	2.722	3.621	8.1	22.1
4 21	15 14.88	−14 12.7	2.669	3.633	5.3	22.0
5 1	15 7.59	−13 38.7	2.644	3.644	2.3	21.8
5 11	14 59.94	−13 4.7	2.649	3.655	1.6	21.7
5 21	14 52.54	−12 33.3	2.682	3.666	4.4	22.0
5 31	14 46.01	−12 7.3	2.744	3.676	7.2	22.1
6 10	14 40.81	−11 48.8	2.831	3.685	9.8	22.3

174215 2002 QE_{117} 5 8.4 104°.69 1°.2/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.93	−17 11.6	1.650	2.479	15.9	20.4
4 11	15 24.49	−16 32.3	1.580	2.489	12.2	20.2
4 21	15 17.55	−15 43.1	1.532	2.499	8.0	20.0
5 1	15 8.85	−14 47.2	1.508	2.509	3.4	19.7
5 11	14 59.49	−13 49.8	1.511	2.519	2.0	19.6
5 21	14 50.61	−12 56.5	1.541	2.528	6.5	19.9
5 31	14 43.25	−12 13.0	1.596	2.538	10.7	20.2
6 10	14 38.10	−11 42.9	1.673	2.547	14.4	20.5

190640 2000 WO_{172} 5 8.4 239°.74 5°.4/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 26.83	− 3 33.9	2.381	3.202	11.8	20.7
4 11	15 22.26	− 2 20.4	2.285	3.184	9.4	20.5
4 21	15 15.86	− 1 6.0	2.215	3.166	7.0	20.3
5 1	15 8.11	+ 0 3.9	2.171	3.147	5.5	20.2
5 11	14 59.73	+ 1 3.9	2.156	3.128	6.1	20.2
5 21	14 51.49	+ 1 49.6	2.169	3.107	8.4	20.3
5 31	14 44.13	+ 2 17.9	2.207	3.086	11.1	20.5
6 10	14 38.28	+ 2 27.8	2.267	3.065	13.7	20.6

386492 2009 BT_{26} 5 8.4 304°.74 7°.0/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.96	+ 0 40.7	1.963	2.793	13.6	20.9
4 11	15 21.88	+ 1 31.5	1.885	2.785	11.1	20.7
4 21	15 15.73	+ 2 17.2	1.830	2.776	8.6	20.5
5 1	15 8.07	+ 2 52.1	1.799	2.768	7.1	20.4
5 11	14 59.76	+ 3 11.1	1.795	2.760	7.6	20.4
5 21	14 51.69	+ 3 11.0	1.815	2.752	9.8	20.5
5 31	14 44.73	+ 2 50.8	1.860	2.745	12.6	20.7
6 10	14 39.54	+ 2 11.4	1.925	2.737	15.2	20.9

358970 2008 RD_{101} 5 8.4 241°.87 2°.5/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.38	−14 58.6	1.531	2.366	16.6	21.7
4 11	15 25.31	−14 8.0	1.443	2.356	12.9	21.4
4 21	15 18.41	−13 6.8	1.377	2.346	8.5	21.1
5 1	15 9.36	−11 59.0	1.335	2.335	4.0	20.8
5 11	14 59.30	−10 51.0	1.318	2.323	3.3	20.8
5 21	14 49.49	− 9 49.8	1.328	2.311	7.9	21.0
5 31	14 41.19	− 9 2.0	1.362	2.299	12.6	21.2
6 10	14 35.31	− 8 32.1	1.417	2.286	16.8	21.4

157571 2005 UX_{167} 5 8.4 41°.43 1°.0/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.23	−20 20.1	1.364	2.205	17.9	20.0
4 11	15 21.96	−19 7.8	1.309	2.225	13.7	19.8
4 21	15 15.96	−17 39.7	1.275	2.245	8.9	19.6
5 1	15 8.15	−16 1.5	1.264	2.265	3.7	19.3
5 11	14 59.79	−14 21.4	1.278	2.287	2.0	19.3
5 21	14 52.13	−12 48.8	1.319	2.308	7.0	19.6
5 31	14 46.21	−11 31.4	1.383	2.331	11.5	19.9
6 10	14 42.68	−10 34.1	1.469	2.353	15.4	20.2

364602 2007 RW_{212} 5 8.4 258°.97 1°.4/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.38	−22 7.1	1.716	2.527	16.1	21.8
4 11	15 26.92	−22 3.3	1.611	2.507	12.8	21.5
4 21	15 19.58	−21 46.9	1.526	2.485	8.8	21.2
5 1	15 9.94	−21 17.6	1.466	2.464	4.3	20.9
5 11	14 59.06	−20 37.3	1.433	2.441	1.7	20.6
5 21	14 48.22	−19 50.2	1.426	2.418	6.2	20.9
5 31	14 38.73	−19 2.4	1.445	2.395	11.0	21.1
6 10	14 31.63	−18 20.6	1.487	2.370	15.3	21.3

454690 2014 RW_{21} 5 8.4 260°.37 1°.1/ 7.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 21.64	−13 35.1	3.701	4.509	8.2	22.7
4 11	15 17.69	−13 11.6	3.590	4.488	6.3	22.5
4 21	15 12.58	−12 44.8	3.504	4.467	4.2	22.3
5 1	15 6.63	−12 16.4	3.447	4.446	1.9	22.2
5 11	15 0.30	−11 48.2	3.420	4.425	1.5	22.1
5 21	14 54.03	−11 22.4	3.423	4.403	3.7	22.2
5 31	14 48.29	−11 0.8	3.454	4.381	6.1	22.4
6 10	14 43.47	−10 45.2	3.511	4.358	8.2	22.5

85958 1999 FU_{42} 5 8.4 186°.04 2°.3/ 9.7 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.26	−23 46.3	1.782	2.583	16.0	19.2
4 11	15 28.04	−23 54.9	1.695	2.583	12.7	19.0
4 21	15 20.07	−23 51.1	1.629	2.583	8.9	18.7
5 1	15 10.04	−23 34.2	1.588	2.582	4.7	18.5
5 11	14 59.07	−23 5.4	1.574	2.580	2.4	18.3
5 21	14 48.41	−22 28.6	1.587	2.578	5.8	18.5
5 31	14 39.24	−21 49.1	1.626	2.575	10.0	18.8
6 10	14 32.43	−21 13.0	1.689	2.572	13.8	19.0

199352 2006 BD_{167} 5 8.4 265°.96 2°.0/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.09	−13 51.0	1.971	2.797	13.7	20.7
4 11	15 22.95	−13 21.5	1.875	2.782	10.7	20.5
4 21	15 16.56	−12 45.9	1.801	2.768	7.0	20.2
5 1	15 8.50	−12 6.9	1.753	2.753	3.3	19.9
5 11	14 59.62	−11 28.3	1.732	2.738	2.6	19.9
5 21	14 50.89	−10 54.5	1.739	2.722	6.4	20.1
5 31	14 43.28	−10 29.5	1.772	2.707	10.3	20.3
6 10	14 37.53	−10 16.3	1.827	2.691	13.8	20.5

39444 3264 $T\text{-}_3$ 5 8.4 135°.73 0°.0/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.64	−18 51.0	2.756	3.559	10.9	20.6
4 11	15 21.03	−18 34.7	2.674	3.568	8.4	20.5
4 21	15 14.86	−18 11.9	2.617	3.577	5.5	20.3
5 1	15 7.62	−17 43.8	2.586	3.586	2.4	20.1
5 11	14 59.97	−17 12.7	2.585	3.594	0.8	20.0
5 21	14 52.56	−16 41.4	2.614	3.602	4.0	20.2
5 31	14 46.02	−16 12.7	2.670	3.610	7.0	20.4
6 10	14 40.86	−15 49.3	2.752	3.618	9.6	20.6

468626 2008 KB_{16} 5 8.4 322°.45 7°.1/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 23.20	− 5 8.7	1.401	2.259	16.6	21.2
4 11	15 20.67	− 3 52.7	1.320	2.241	13.2	20.9
4 21	15 15.43	− 2 34.4	1.260	2.224	9.7	20.7
5 1	15 8.10	− 1 21.9	1.222	2.208	7.3	20.5
5 11	14 59.76	− 0 24.0	1.209	2.192	8.1	20.5
5 21	14 51.64	+ 0 12.0	1.218	2.178	11.4	20.6
5 31	14 44.94	+ 0 22.0	1.249	2.163	15.3	20.8
6 10	14 40.58	+ 0 5.5	1.299	2.150	19.1	21.0

97113 1999 VM_{86} 5 8.4 160°.21 3°.1/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.67	− 9 8.0	2.650	3.466	10.9	21.6
4 11	15 21.79	− 8 16.9	2.572	3.473	8.4	21.4
4 21	15 15.34	− 7 23.6	2.519	3.480	5.7	21.3
5 1	15 7.83	− 6 31.5	2.495	3.487	3.4	21.1
5 11	14 59.91	− 5 44.5	2.499	3.492	3.6	21.1
5 21	14 52.27	− 5 5.8	2.533	3.497	5.9	21.3
5 31	14 45.51	− 4 38.1	2.594	3.502	8.6	21.5
6 10	14 40.14	− 4 22.6	2.679	3.505	11.0	21.7

148102 1999 RW_{47} 5 8.4 211°.39 8°.4/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 24.74	+15 23.4	3.137	3.909	10.4	20.6
4 11	15 20.16	+16 33.6	3.071	3.901	9.3	20.5
4 21	15 14.22	+17 33.4	3.029	3.893	8.6	20.4
5 1	15 7.35	+18 18.1	3.012	3.885	8.4	20.4
5 11	15 0.08	+18 44.0	3.019	3.876	9.0	20.4
5 21	14 53.00	+18 49.6	3.051	3.867	10.0	20.5
5 31	14 46.64	+18 34.7	3.105	3.857	11.3	20.6
6 10	14 41.45	+18 0.9	3.178	3.847	12.5	20.7

368971 2007 CW_{21} 5 8.4 130°.78 2°.5/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.46	−11 37.1	2.119	2.937	13.2	22.0
4 11	15 25.04	−11 7.2	2.049	2.952	10.1	21.9
4 21	15 17.62	−10 33.9	2.002	2.966	6.7	21.7
5 1	15 8.85	−10 0.3	1.983	2.980	3.4	21.5
5 11	14 59.58	− 9 30.1	1.992	2.993	3.0	21.5
5 21	14 50.71	− 9 6.5	2.029	3.006	6.1	21.7
5 31	14 43.04	− 8 52.3	2.093	3.018	9.5	21.9
6 10	14 37.17	− 8 49.3	2.181	3.029	12.4	22.1

303880 2005 TM_{42} 5 8.4 229°.53 4°.0/ 4.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 23.82	− 6 26.9	2.544	3.369	11.1	21.4
4 11	15 19.77	− 5 34.3	2.458	3.363	8.6	21.2
4 21	15 14.13	− 4 40.8	2.398	3.357	6.1	21.0
5 1	15 7.35	− 3 50.3	2.364	3.350	4.2	20.9
5 11	15 0.10	− 3 6.9	2.358	3.344	4.5	20.9
5 21	14 53.03	− 2 33.9	2.381	3.337	6.7	21.0
5 31	14 46.80	− 2 13.8	2.429	3.331	9.4	21.2
6 10	14 41.94	− 2 7.6	2.501	3.323	11.8	21.3

145374 2005 MJ_{50} 5 8.4 305°.09 4°.9/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.72	− 4 46.9	1.999	2.832	13.3	19.7
4 11	15 21.79	− 4 12.9	1.909	2.817	10.5	19.5
4 21	15 15.75	− 3 40.2	1.842	2.801	7.5	19.3
5 1	15 8.15	− 3 12.9	1.800	2.786	5.2	19.1
5 11	14 59.80	− 2 55.7	1.784	2.771	5.5	19.1
5 21	14 51.60	− 2 51.6	1.795	2.756	8.1	19.2
5 31	14 44.45	− 3 2.9	1.831	2.742	11.4	19.4
6 10	14 39.06	− 3 29.9	1.888	2.728	14.5	19.6

273949 2007 JG_{35} 5 8.4 296°.75 2°.5/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.17	−21 34.1	1.793	2.601	15.6	20.2
4 11	15 27.69	−22 14.8	1.677	2.570	12.6	19.9
4 21	15 20.27	−22 49.1	1.582	2.538	8.9	19.6
5 1	15 10.37	−23 14.9	1.511	2.506	4.8	19.3
5 11	14 58.93	−23 31.2	1.467	2.473	2.6	19.1
5 21	14 47.22	−23 38.7	1.450	2.441	6.3	19.2
5 31	14 36.63	−23 40.2	1.459	2.408	10.9	19.4
6 10	14 28.34	−23 40.7	1.491	2.376	15.2	19.6

371690 2007 DV_{57} 5 8.4 181°.85 12°.0/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 44.86	−52 47.6	2.396	3.009	16.9	23.2
4 11	15 38.08	−54 22.6	2.308	3.011	15.6	23.1
4 21	15 27.41	−55 36.8	2.237	3.011	14.2	22.9
5 1	15 13.51	−56 22.5	2.186	3.011	12.9	22.9
5 11	14 57.83	−56 34.3	2.156	3.010	12.1	22.8
5 21	14 42.26	−56 11.1	2.148	3.009	12.0	22.8
5 31	14 28.69	−55 17.0	2.163	3.007	12.7	22.8
6 10	14 18.50	−54 0.9	2.199	3.004	13.8	22.9

405004 2000 TU_{48} 5 8.4 234°.16 7°.1/10.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 43.62	−31 39.9	1.958	2.707	16.5	20.7
4 11	15 36.77	−33 14.3	1.851	2.693	14.0	20.5
4 21	15 26.43	−34 39.1	1.765	2.679	11.1	20.3
5 1	15 13.11	−35 47.3	1.704	2.663	8.3	20.1
5 11	14 57.94	−36 33.4	1.671	2.647	7.1	20.0
5 21	14 42.46	−36 55.1	1.666	2.630	8.5	20.0
5 31	14 28.35	−36 55.0	1.688	2.612	11.4	20.1
6 10	14 16.99	−36 40.5	1.734	2.593	14.6	20.3

432381 2009 WK_{190} 5 8.4 179°.87 0°.5/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 28.58	−17 32.2	2.096	2.910	13.5	22.2
4 11	15 23.85	−17 12.8	2.011	2.911	10.4	22.0
4 21	15 17.01	−16 45.7	1.948	2.912	6.9	21.8
5 1	15 8.65	−16 12.7	1.912	2.912	2.9	21.5
5 11	14 59.65	−15 36.7	1.903	2.912	1.3	21.4
5 21	14 50.91	−15 1.6	1.923	2.911	5.3	21.7
5 31	14 43.33	−14 31.3	1.970	2.910	9.1	21.9
6 10	14 37.58	−14 9.3	2.040	2.909	12.4	22.1

224305 2005 UW_4 5 8.4 126°.09 2°.9/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.47	−25 4.8	2.094	2.880	14.4	21.0
4 11	15 27.72	−25 32.8	2.016	2.893	11.5	20.8
4 21	15 19.60	−25 50.1	1.960	2.906	8.2	20.6
5 1	15 9.78	−25 55.3	1.929	2.918	4.7	20.5
5 11	14 59.25	−25 48.9	1.927	2.930	2.9	20.4
5 21	14 49.06	−25 33.1	1.953	2.941	5.2	20.5
5 31	14 40.21	−25 11.8	2.006	2.952	8.6	20.8
6 10	14 33.43	−24 50.0	2.083	2.962	11.8	21.0

469984 2006 HM_{41} 5 8.4 325°.93 6°.7/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.04	− 2 55.2	1.591	2.438	15.5	20.3
4 11	15 21.79	− 2 11.7	1.507	2.420	12.4	20.0
4 21	15 16.03	− 1 30.8	1.444	2.404	9.2	19.8
5 1	15 8.35	− 0 58.9	1.404	2.388	6.9	19.6
5 11	14 59.74	− 0 41.9	1.389	2.372	7.3	19.6
5 21	14 51.30	− 0 44.1	1.398	2.357	10.2	19.7
5 31	14 44.15	− 1 7.5	1.430	2.344	13.8	19.9
6 10	14 39.13	− 1 51.4	1.482	2.330	17.3	20.1

391097 2005 UT_{364} 5 8.4 229°.91 1°.2/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.38	−13 44.4	2.498	3.313	11.5	21.0
4 11	15 21.84	−13 38.4	2.409	3.311	8.9	20.8
4 21	15 15.54	−13 29.0	2.343	3.308	5.8	20.6
5 1	15 7.99	−13 17.8	2.305	3.305	2.6	20.4
5 11	14 59.89	−13 6.9	2.295	3.302	1.7	20.3
5 21	14 51.96	−12 58.5	2.314	3.299	4.9	20.5
5 31	14 44.94	−12 55.0	2.360	3.295	8.1	20.7
6 10	14 39.39	−12 58.1	2.431	3.292	10.9	20.9

161001 2002 CG_{310} 5 8.4 231°.01 2°.0/ 9.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.63	−24 7.6	1.980	2.774	14.9	20.7
4 11	15 27.45	−24 2.3	1.875	2.760	11.9	20.5
4 21	15 19.69	−23 44.1	1.792	2.744	8.3	20.2
5 1	15 9.93	−23 12.5	1.734	2.728	4.3	20.0
5 11	14 59.17	−22 29.1	1.704	2.711	2.1	19.8
5 21	14 48.53	−21 37.8	1.701	2.692	5.5	20.0
5 31	14 39.14	−20 44.2	1.727	2.673	9.7	20.2
6 10	14 31.91	−19 54.5	1.776	2.653	13.5	20.3

432258 2009 RM_{58} 5 8.4 181°.94 1°.6/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.60	−23 46.3	2.520	3.304	12.3	23.1
4 11	15 25.14	−23 43.3	2.427	3.306	9.7	23.0
4 21	15 17.74	−23 30.4	2.356	3.306	6.7	22.8
5 1	15 8.95	−23 7.7	2.313	3.306	3.5	22.6
5 11	14 59.56	−22 36.8	2.298	3.305	1.7	22.4
5 21	14 50.39	−22 0.4	2.313	3.303	4.4	22.6
5 31	14 42.26	−21 22.4	2.357	3.301	7.6	22.8
6 10	14 35.78	−20 47.0	2.426	3.297	10.6	23.0

150037 2005 WX_4 5 8.4 163°.47 3°.3/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.14	− 6 31.1	2.615	3.434	11.0	19.9
4 11	15 21.47	− 6 10.8	2.535	3.436	8.5	19.7
4 21	15 15.19	− 5 51.1	2.478	3.438	5.9	19.5
5 1	15 7.81	− 5 34.8	2.449	3.439	3.7	19.4
5 11	14 59.97	− 5 24.5	2.449	3.441	3.7	19.4
5 21	14 52.34	− 5 22.5	2.477	3.442	6.0	19.5
5 31	14 45.58	− 5 30.0	2.532	3.443	8.6	19.7
6 10	14 40.20	− 5 47.7	2.611	3.444	11.1	19.9

376898 2001 XD_{208} 5 8.4 210°.20 6°.1/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.05	+ 0 30.4	2.357	3.169	12.2	21.8
4 11	15 24.68	+ 1 14.2	2.272	3.161	9.9	21.6
4 21	15 17.42	+ 1 53.7	2.211	3.153	7.6	21.5
5 1	15 8.81	+ 2 24.2	2.177	3.145	6.1	21.4
5 11	14 59.61	+ 2 41.7	2.171	3.135	6.6	21.4
5 21	14 50.61	+ 2 43.5	2.192	3.125	8.6	21.5
5 31	14 42.60	+ 2 28.5	2.239	3.115	11.1	21.6
6 10	14 36.17	+ 1 57.1	2.308	3.103	13.5	21.8

116712 2004 DX_4 5 8.4 251°.33 6°.0/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.54	− 0 17.3	2.234	3.057	12.5	19.5
4 11	15 22.08	+ 0 25.0	2.154	3.051	10.0	19.3
4 21	15 15.75	+ 1 3.0	2.097	3.045	7.6	19.2
5 1	15 8.10	+ 1 32.2	2.067	3.038	6.1	19.1
5 11	14 59.87	+ 1 48.4	2.063	3.032	6.5	19.1
5 21	14 51.87	+ 1 48.9	2.086	3.026	8.6	19.2
5 31	14 44.85	+ 1 32.5	2.133	3.019	11.2	19.3
6 10	14 39.43	+ 0 59.9	2.203	3.012	13.7	19.5

73557 2131 P–L 5 8.4 210°.59 1°.1/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.15	−21 37.2	1.854	2.662	15.2	21.4
4 11	15 26.30	−21 29.3	1.762	2.656	12.0	21.2
4 21	15 18.89	−21 9.9	1.692	2.651	8.2	20.9
5 1	15 9.56	−20 39.5	1.647	2.645	3.9	20.7
5 11	14 59.35	−20 0.5	1.629	2.638	1.4	20.5
5 21	14 49.37	−19 17.0	1.639	2.631	5.6	20.7
5 31	14 40.75	−18 34.4	1.675	2.623	9.9	21.0
6 10	14 34.30	−17 58.1	1.735	2.614	13.7	21.2

520140 2014 BH_{68} 5 8.4 127°.04 5°.2/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 24.39	− 4 36.2	2.214	3.045	12.3	22.0
4 11	15 20.37	− 3 25.6	2.144	3.049	9.6	21.8
4 21	15 14.57	− 2 15.2	2.097	3.053	7.0	21.7
5 1	15 7.56	− 1 10.2	2.076	3.057	5.3	21.5
5 11	15 0.08	− 0 16.0	2.084	3.061	5.8	21.6
5 21	14 52.90	+ 0 23.6	2.118	3.064	8.1	21.7
5 31	14 46.71	+ 0 46.1	2.177	3.068	10.7	21.9
6 10	14 42.08	+ 0 50.9	2.258	3.071	13.2	22.1

478102 2011 UR_{66} 5 8.4 291°.84 1°.0/ 7.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.59	−14 20.2	2.173	2.992	12.9	21.5
4 11	15 23.13	−14 22.6	2.078	2.982	10.0	21.3
4 21	15 16.60	−14 21.2	2.007	2.972	6.6	21.1
5 1	15 8.53	−14 17.5	1.962	2.963	2.9	20.8
5 11	14 59.72	−14 13.4	1.945	2.953	1.6	20.7
5 21	14 51.05	−14 11.1	1.957	2.944	5.3	20.9
5 31	14 43.40	−14 13.2	1.994	2.934	9.0	21.1
6 10	14 37.47	−14 21.9	2.056	2.925	12.3	21.3

240761 2005 LR_{20} 5 8.4 322°.87 2°.0/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 23.98	−14 29.0	1.920	2.753	13.8	20.4
4 11	15 20.52	−13 46.1	1.834	2.746	10.6	20.2
4 21	15 14.93	−12 55.9	1.771	2.739	7.0	19.9
5 1	15 7.80	−12 1.7	1.732	2.732	3.3	19.7
5 11	14 59.98	−11 8.3	1.721	2.726	2.7	19.6
5 21	14 52.41	−10 20.7	1.737	2.720	6.4	19.9
5 31	14 45.97	− 9 43.3	1.778	2.714	10.2	20.1
6 10	14 41.36	− 9 19.4	1.842	2.708	13.6	20.3

179870 2002 TR_{291} 5 8.4 309°.79 4°.6/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.97	−28 36.9	1.442	2.256	18.5	19.0
4 11	15 23.41	−28 49.4	1.342	2.234	15.2	18.7
4 21	15 17.64	−28 42.7	1.261	2.211	11.3	18.4
5 1	15 9.24	−28 13.8	1.202	2.189	7.1	18.1
5 11	14 59.42	−27 23.1	1.166	2.167	4.6	17.9
5 21	14 49.66	−26 14.9	1.154	2.146	7.2	18.0
5 31	14 41.51	−24 57.6	1.165	2.126	11.9	18.2
6 10	14 36.14	−23 41.5	1.198	2.106	16.5	18.4

120421 1604 T-2 5 8.4 265°.59 4°.2/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.09	−28 16.9	1.912	2.698	15.6	20.2
4 11	15 26.59	−28 42.8	1.805	2.679	12.8	20.0
4 21	15 19.32	−28 55.3	1.720	2.660	9.5	19.7
5 1	15 9.86	−28 51.7	1.658	2.641	6.1	19.5
5 11	14 59.22	−28 31.5	1.623	2.621	4.2	19.3
5 21	14 48.60	−27 56.9	1.614	2.601	6.3	19.4
5 31	14 39.26	−27 13.0	1.631	2.580	10.0	19.6
6 10	14 32.20	−26 26.6	1.672	2.560	13.7	19.7

232728 2004 DP_6 5 8.4 336°.97 0°.0/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 24.41	−18 14.8	1.724	2.557	15.1	20.0
4 11	15 21.24	−18 7.8	1.636	2.546	11.8	19.7
4 21	15 15.63	−17 52.0	1.569	2.536	7.9	19.5
5 1	15 8.18	−17 28.8	1.526	2.527	3.4	19.2
5 11	14 59.85	−17 1.1	1.509	2.518	1.2	19.0
5 21	14 51.73	−16 32.9	1.518	2.510	5.9	19.3
5 31	14 44.87	−16 8.8	1.551	2.502	10.2	19.5
6 10	14 40.09	−15 52.9	1.607	2.496	14.1	19.7

313751 2003 UW_{339} 5 8.4 100°.98 1°.0/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.40	−21 37.2	1.641	2.457	16.5	21.3
4 11	15 26.51	−21 25.6	1.573	2.472	12.9	21.1
4 21	15 18.95	−21 1.6	1.526	2.487	8.7	20.9
5 1	15 9.53	−20 26.2	1.503	2.501	4.1	20.6
5 11	14 59.42	−19 42.8	1.506	2.515	1.4	20.5
5 21	14 49.85	−18 56.4	1.537	2.529	5.8	20.8
5 31	14 41.89	−18 13.0	1.593	2.542	10.1	21.1
6 10	14 36.31	−17 37.6	1.672	2.556	13.9	21.3

381420 2008 LS_2 5 8.4 260°.48 2°.1/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 17.96	− 7 4.7	4.566	5.381	6.7	20.8
4 11	15 14.64	− 6 41.3	4.474	5.374	5.2	20.6
4 21	15 10.48	− 6 17.8	4.409	5.368	3.5	20.5
5 1	15 5.74	− 5 56.0	4.371	5.361	2.3	20.4
5 11	15 0.76	− 5 37.5	4.364	5.354	2.4	20.4
5 21	14 55.87	− 5 23.6	4.386	5.347	3.7	20.5
5 31	14 51.39	− 5 15.6	4.435	5.341	5.4	20.6
6 10	14 47.62	− 5 14.0	4.510	5.334	6.9	20.7

476327 2007 YM_{41} 5 8.4 267°.15 4°.5/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 27.50	−31 59.5	2.328	3.093	13.8	21.1
4 11	15 23.24	−32 12.6	2.226	3.082	11.4	20.9
4 21	15 16.76	−32 10.9	2.144	3.070	8.7	20.7
5 1	15 8.63	−31 52.8	2.087	3.059	6.0	20.5
5 11	14 59.71	−31 18.5	2.056	3.047	4.5	20.4
5 21	14 50.95	−30 30.5	2.053	3.035	5.7	20.4
5 31	14 43.30	−29 33.6	2.077	3.023	8.3	20.6
6 10	14 37.50	−28 33.7	2.126	3.011	11.3	20.7

386952 2011 SN_{127} 5 8.4 132°.10 3°.4/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.36	−26 44.7	2.454	3.229	12.9	20.7
4 11	15 25.94	−27 27.5	2.365	3.233	10.4	20.5
4 21	15 18.41	−28 0.9	2.299	3.236	7.6	20.3
5 1	15 9.31	−28 23.1	2.258	3.240	4.8	20.1
5 11	14 59.48	−28 33.8	2.247	3.244	3.4	20.0
5 21	14 49.81	−28 33.9	2.263	3.247	5.1	20.2
5 31	14 41.20	−28 26.3	2.308	3.250	7.8	20.3
6 10	14 34.36	−28 15.0	2.378	3.253	10.6	20.5

182331 2001 PN_{19} 5 8.4 282°.34 3°.6/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.55	− 9 45.0	1.657	2.494	15.4	20.0
4 11	15 24.48	− 9 17.9	1.568	2.481	12.0	19.8
4 21	15 17.80	− 8 47.9	1.501	2.468	8.2	19.5
5 1	15 9.15	− 8 19.0	1.459	2.455	4.5	19.3
5 11	14 59.52	− 7 55.9	1.442	2.442	4.3	19.2
5 21	14 50.08	− 7 42.8	1.451	2.429	8.0	19.4
5 31	14 41.95	− 7 43.1	1.485	2.416	12.2	19.6
6 10	14 36.01	− 7 58.4	1.540	2.403	16.0	19.8

377423 2004 TT_{153} 5 8.4 204°.03 0°.7/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.77	−20 24.0	2.113	2.920	13.6	21.7
4 11	15 24.10	−20 16.2	2.022	2.917	10.7	21.5
4 21	15 17.25	−19 59.3	1.954	2.914	7.2	21.3
5 1	15 8.82	−19 33.9	1.912	2.910	3.3	21.1
5 11	14 59.66	−19 2.5	1.898	2.907	1.1	20.9
5 21	14 50.74	−18 28.4	1.911	2.902	5.0	21.1
5 31	14 42.96	−17 55.9	1.952	2.898	8.8	21.4
6 10	14 37.04	−17 28.9	2.017	2.893	12.2	21.6

91479 1999 RL_{107} 5 8.4 247°.09 1°.8/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 23.66	−13 58.7	2.518	3.338	11.3	19.4
4 11	15 19.74	−13 13.4	2.426	3.331	8.7	19.2
4 21	15 14.17	−12 22.4	2.358	3.323	5.7	19.0
5 1	15 7.42	−11 28.5	2.317	3.316	2.7	18.8
5 11	15 0.17	−10 35.6	2.305	3.308	2.4	18.8
5 21	14 53.10	− 9 47.4	2.322	3.301	5.3	19.0
5 31	14 46.89	− 9 7.4	2.365	3.293	8.4	19.1
6 10	14 42.09	− 8 38.4	2.433	3.285	11.2	19.3

165232 2000 SH_{102} 5 8.4 186°.65 0°.4/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.97	−20 9.7	1.722	2.538	15.8	20.9
4 11	15 26.25	−19 53.9	1.638	2.538	12.4	20.6
4 21	15 18.88	−19 26.8	1.576	2.538	8.3	20.4
5 1	15 9.57	−18 49.5	1.538	2.537	3.7	20.1
5 11	14 59.41	−18 5.5	1.527	2.536	1.2	19.9
5 21	14 49.57	−17 19.3	1.543	2.534	5.9	20.2
5 31	14 41.20	−16 36.9	1.585	2.532	10.4	20.5
6 10	14 35.11	−16 3.2	1.649	2.529	14.3	20.7

87399 2000 QR_{73} 5 8.4 187°.09 1°.1/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.21	−16 7.8	2.207	3.021	12.9	20.6
4 11	15 23.46	−15 36.5	2.119	3.021	9.9	20.4
4 21	15 16.72	−14 58.0	2.056	3.020	6.5	20.2
5 1	15 8.55	−14 14.8	2.018	3.019	2.8	19.9
5 11	14 59.79	−13 30.3	2.010	3.017	1.8	19.8
5 21	14 51.28	−12 48.5	2.030	3.015	5.4	20.1
5 31	14 43.86	−12 13.4	2.076	3.012	9.0	20.3
6 10	14 38.15	−11 48.1	2.147	3.008	12.1	20.5

175493 2006 RD_{50} 5 8.4 249°.63 0°.7/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.44	−20 28.1	2.336	3.142	12.5	21.2
4 11	15 22.15	−20 20.1	2.240	3.134	9.8	21.0
4 21	15 15.90	−20 3.7	2.166	3.126	6.6	20.8
5 1	15 8.23	−19 39.6	2.119	3.117	3.0	20.5
5 11	14 59.89	−19 10.0	2.100	3.109	1.0	20.3
5 21	14 51.73	−18 37.7	2.109	3.100	4.6	20.6
5 31	14 44.55	−18 6.7	2.146	3.091	8.1	20.8
6 10	14 39.00	−17 40.5	2.207	3.082	11.3	21.0

341259 2007 RR_{233} 5 8.4 211°.35 4°.4/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.42	− 6 1.8	2.415	3.239	11.6	21.1
4 11	15 21.10	− 5 2.5	2.330	3.234	9.1	20.9
4 21	15 15.06	− 4 2.2	2.270	3.228	6.4	20.7
5 1	15 7.82	− 3 5.2	2.237	3.222	4.5	20.6
5 11	15 0.05	− 2 16.2	2.232	3.216	4.9	20.6
5 21	14 52.50	− 1 38.9	2.255	3.209	7.2	20.7
5 31	14 45.85	− 1 15.9	2.305	3.202	10.0	20.9
6 10	14 40.66	− 1 8.4	2.376	3.194	12.5	21.0

7520 1990 BV 5 8.4 161°.17 4°.6/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.90	− 5 41.6	2.041	2.861	13.6	18.2
4 11	15 26.28	− 5 2.2	1.968	2.868	10.6	18.0
4 21	15 18.54	− 4 23.5	1.917	2.875	7.5	17.8
5 1	15 9.33	− 3 49.8	1.894	2.881	4.9	17.7
5 11	14 59.53	− 3 25.2	1.898	2.886	5.1	17.7
5 21	14 50.10	− 3 13.0	1.930	2.890	7.8	17.9
5 31	14 41.88	− 3 15.0	1.988	2.894	10.9	18.1
6 10	14 35.54	− 3 31.7	2.069	2.897	13.8	18.3

287834 2003 SY_{203} 5 8.4 155°.51 0°.8/ 7.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.05	−17 14.8	1.891	2.707	14.7	22.0
4 11	15 25.92	−16 48.7	1.813	2.714	11.3	21.8
4 21	15 18.45	−16 14.0	1.757	2.721	7.4	21.5
5 1	15 9.33	−15 33.1	1.727	2.727	3.2	21.3
5 11	14 59.53	−14 49.7	1.724	2.732	1.6	21.2
5 21	14 50.11	−14 8.2	1.750	2.737	5.8	21.5
5 31	14 42.05	−13 33.2	1.802	2.741	9.8	21.7
6 10	14 36.04	−13 8.4	1.877	2.745	13.3	21.9

295326 2008 GQ_{143} 5 8.4 281°.26 3°.1/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 18.37	− 1 38.1	4.435	5.248	6.9	20.2
4 11	15 14.98	− 1 12.3	4.347	5.240	5.5	20.1
4 21	15 10.71	− 0 48.4	4.285	5.232	4.1	20.0
5 1	15 5.86	− 0 28.5	4.250	5.224	3.2	19.9
5 11	15 0.75	− 0 14.4	4.245	5.216	3.4	20.0
5 21	14 55.73	− 0 7.2	4.268	5.207	4.6	20.0
5 31	14 51.15	− 0 8.1	4.319	5.199	6.1	20.1
6 10	14 47.29	− 0 17.1	4.394	5.191	7.5	20.2

29017 4601 $P–L$ 5 8.4 123°.23 0°.5/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.50	−16 44.6	2.611	3.417	11.4	19.4
4 11	15 22.50	−16 27.1	2.536	3.433	8.7	19.2
4 21	15 15.86	−16 4.1	2.486	3.448	5.7	19.0
5 1	15 8.12	−15 37.1	2.463	3.463	2.4	18.8
5 11	14 59.98	−15 8.6	2.469	3.477	1.2	18.7
5 21	14 52.13	−14 41.4	2.504	3.491	4.4	19.0
5 31	14 45.24	−14 18.3	2.568	3.504	7.4	19.2
6 10	14 39.81	−14 1.7	2.656	3.517	10.1	19.4

450785 2007 TS_{158} 5 8.4 219°.48 0°.0/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 21.14	−18 51.4	3.934	4.730	8.0	22.3
4 11	15 17.25	−18 28.4	3.831	4.722	6.2	22.2
4 21	15 12.28	−18 0.3	3.754	4.714	4.1	22.0
5 1	15 6.57	−17 28.2	3.706	4.705	1.8	21.8
5 11	15 0.53	−16 53.9	3.687	4.696	0.6	21.7
5 21	14 54.60	−16 19.3	3.699	4.687	3.0	21.9
5 31	14 49.21	−15 46.6	3.740	4.678	5.3	22.0
6 10	14 44.72	−15 17.8	3.807	4.668	7.3	22.2

132470 2002 JJ_{8} 5 8.4 276°.54 5°.8/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.65	− 5 31.8	1.596	2.434	15.9	19.7
4 11	15 25.50	− 4 48.7	1.504	2.415	12.6	19.4
4 21	15 18.61	− 4 5.3	1.433	2.395	9.0	19.2
5 1	15 9.57	− 3 27.2	1.386	2.374	6.1	19.0
5 11	14 59.43	− 3 0.6	1.364	2.354	6.5	18.9
5 21	14 49.39	− 2 50.3	1.368	2.333	9.8	19.1
5 31	14 40.67	− 2 59.6	1.395	2.312	13.8	19.2
6 10	14 34.22	− 3 28.9	1.443	2.291	17.6	19.4

179756 2002 RH_{212} 5 8.4 114°.03 4°.5/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.83	− 6 18.3	1.864	2.689	14.5	20.3
4 11	15 26.31	− 5 46.0	1.802	2.706	11.2	20.1
4 21	15 18.57	− 5 14.8	1.762	2.722	7.8	20.0
5 1	15 9.34	− 4 48.7	1.748	2.738	4.9	19.8
5 11	14 59.58	− 4 31.8	1.761	2.753	5.0	19.8
5 21	14 50.29	− 4 27.0	1.802	2.768	7.8	20.0
5 31	14 42.38	− 4 36.0	1.868	2.782	11.1	20.3
6 10	14 36.47	− 4 58.7	1.957	2.796	14.0	20.5

221371 2005 XU 5 8.4 191°.63 3°.2/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.84	−10 17.6	2.269	3.090	12.4	21.1
4 11	15 23.07	− 9 27.1	2.184	3.089	9.5	20.9
4 21	15 16.42	− 8 32.9	2.123	3.086	6.4	20.7
5 1	15 8.43	− 7 38.8	2.089	3.084	3.7	20.5
5 11	14 59.88	− 6 49.2	2.084	3.080	3.7	20.5
5 21	14 51.58	− 6 8.1	2.107	3.077	6.5	20.7
5 31	14 44.29	− 5 39.0	2.157	3.072	9.7	20.8
6 10	14 38.63	− 5 23.5	2.230	3.067	12.6	21.0

416340 2003 SH_{280} 5 8.4 220°.59 2°.8/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.55	−11 44.3	1.964	2.786	14.0	21.8
4 11	15 25.59	−11 7.5	1.872	2.777	10.8	21.6
4 21	15 18.32	−10 25.8	1.802	2.767	7.2	21.3
5 1	15 9.34	− 9 42.4	1.758	2.756	3.7	21.1
5 11	14 59.55	− 9 1.9	1.743	2.744	3.4	21.0
5 21	14 49.95	− 8 28.6	1.755	2.732	6.9	21.2
5 31	14 41.53	− 8 6.4	1.793	2.719	10.8	21.4
6 10	14 35.04	− 7 57.7	1.854	2.705	14.2	21.6

113248 2002 RG_{133} 5 8.4 247°.55 4°.0/ 6.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 29.63	− 8 36.2	1.810	2.641	14.6	20.2
4 11	15 25.08	− 8 0.5	1.720	2.629	11.4	20.0
4 21	15 18.09	− 7 22.4	1.652	2.616	7.8	19.7
5 1	15 9.28	− 6 46.2	1.609	2.603	4.6	19.5
5 11	14 59.57	− 6 16.7	1.593	2.589	4.6	19.5
5 21	14 50.04	− 5 58.1	1.604	2.575	8.0	19.6
5 31	14 41.74	− 5 53.7	1.639	2.561	11.8	19.8
6 10	14 35.48	− 6 4.8	1.697	2.547	15.4	20.0

332179 2006 BH_{109} 5 8.4 266°.12 9°.3/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.23	+ 6 23.1	2.004	2.822	13.9	20.7
4 11	15 22.95	+ 7 42.8	1.922	2.804	11.8	20.5
4 21	15 16.55	+ 8 55.1	1.863	2.786	10.0	20.3
5 1	15 8.56	+ 9 52.4	1.828	2.767	9.3	20.2
5 11	14 59.83	+10 28.3	1.818	2.748	10.1	20.2
5 21	14 51.27	+10 38.9	1.833	2.729	12.0	20.3
5 31	14 43.78	+10 23.0	1.869	2.710	14.5	20.4
6 10	14 38.07	+ 9 42.2	1.925	2.690	16.8	20.6

158416 2002 AS_{98} 5 8.4 81°.26 0°.5/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.07	−19 41.7	1.781	2.598	15.4	20.4
4 11	15 25.26	−19 36.0	1.714	2.615	11.9	20.2
4 21	15 18.04	−19 20.6	1.669	2.631	7.9	20.0
5 1	15 9.16	−18 57.0	1.648	2.647	3.5	19.7
5 11	14 59.66	−18 27.8	1.655	2.664	1.2	19.6
5 21	14 50.63	−17 57.1	1.688	2.680	5.5	19.9
5 31	14 43.07	−17 29.3	1.748	2.696	9.5	20.2
6 10	14 37.64	−17 8.5	1.831	2.712	13.0	20.4

365102 2009 BS_{173} 5 8.4 31°.89 2°.3/ 7.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.97	−15 0.4	1.230	2.084	18.7	21.0
4 11	15 23.79	−14 22.2	1.168	2.091	14.4	20.8
4 21	15 17.53	−13 34.5	1.125	2.098	9.4	20.5
5 1	15 9.05	−12 41.8	1.105	2.106	4.3	20.2
5 11	14 59.70	−11 50.8	1.108	2.115	3.2	20.2
5 21	14 50.91	−11 8.2	1.136	2.124	8.1	20.5
5 31	14 43.97	−10 39.9	1.185	2.133	13.0	20.8
6 10	14 39.74	−10 29.0	1.255	2.143	17.2	21.1

210935 2001 TU_{174} 5 8.4 112°.04 0°.1/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.06	−18 11.7	2.503	3.309	11.8	21.0
4 11	15 22.26	−17 54.0	2.428	3.324	9.1	20.8
4 21	15 15.75	−17 29.6	2.378	3.339	5.9	20.7
5 1	15 8.10	−17 0.1	2.354	3.354	2.6	20.5
5 11	15 0.03	−16 28.1	2.360	3.369	1.0	20.4
5 21	14 52.27	−15 56.4	2.394	3.383	4.4	20.6
5 31	14 45.51	−15 28.4	2.457	3.397	7.5	20.8
6 10	14 40.26	−15 6.6	2.544	3.410	10.3	21.1

169667 2002 JL_{80} 5 8.4 75°.60 0°.9/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.05	−18 32.9	1.466	2.292	17.6	20.0
4 11	15 28.27	−18 55.4	1.393	2.298	13.8	19.7
4 21	15 20.44	−19 9.8	1.341	2.305	9.3	19.5
5 1	15 10.33	−19 16.0	1.312	2.311	4.2	19.2
5 11	14 59.23	−19 15.2	1.309	2.318	1.5	19.0
5 21	14 48.55	−19 10.3	1.332	2.324	6.4	19.3
5 31	14 39.62	−19 5.7	1.379	2.331	11.2	19.6
6 10	14 33.35	−19 5.7	1.449	2.338	15.3	19.9

390533 1998 RG_{2} 5 8.4 207°.31 3°.4/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.45	− 7 32.8	2.788	3.603	10.5	22.6
4 11	15 21.69	− 6 46.3	2.697	3.596	8.1	22.4
4 21	15 15.37	− 5 58.5	2.630	3.588	5.6	22.2
5 1	15 7.97	− 5 12.4	2.591	3.580	3.6	22.1
5 11	15 0.09	− 4 31.7	2.582	3.571	3.8	22.1
5 21	14 52.37	− 3 59.4	2.601	3.561	6.0	22.2
5 31	14 45.44	− 3 38.0	2.648	3.551	8.6	22.4
6 10	14 39.81	− 3 28.7	2.719	3.540	11.1	22.5

138982 2001 CS_{49} 5 8.4 336°.59 1°.7/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.45	−12 36.5	1.345	2.189	17.9	19.3
4 11	15 26.58	−12 51.7	1.265	2.182	14.0	19.0
4 21	15 19.55	−13 4.7	1.206	2.176	9.3	18.7
5 1	15 10.05	−13 17.2	1.169	2.170	4.2	18.4
5 11	14 59.33	−13 31.4	1.157	2.165	2.5	18.3
5 21	14 48.86	−13 49.6	1.170	2.160	7.6	18.6
5 31	14 40.07	−14 14.5	1.206	2.156	12.6	18.8
6 10	14 34.02	−14 48.0	1.263	2.153	17.1	19.1

11760 Auwers 5 8.4 179°.86 1°.9/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.54	−24 38.3	2.676	3.463	11.6	19.2
4 11	15 21.98	−24 38.4	2.584	3.463	9.2	19.1
4 21	15 15.67	−24 29.1	2.515	3.464	6.4	18.9
5 1	15 8.13	−24 10.4	2.472	3.464	3.5	18.7
5 11	15 0.04	−23 43.7	2.458	3.464	1.9	18.6
5 21	14 52.16	−23 11.5	2.473	3.463	4.1	18.7
5 31	14 45.19	−22 37.1	2.516	3.463	7.0	18.9
6 10	14 39.70	−22 4.4	2.584	3.462	9.8	19.1

376568 2013 PK_{13} 5 8.4 296°.69 4°.1/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 25.68	−11 16.8	1.532	2.379	16.0	20.9
4 11	15 22.49	−10 17.6	1.444	2.362	12.5	20.6
4 21	15 16.63	− 9 10.8	1.376	2.345	8.4	20.3
5 1	15 8.72	− 8 1.7	1.332	2.329	4.8	20.1
5 11	14 59.81	− 6 57.4	1.313	2.312	4.9	20.0
5 21	14 51.08	− 6 5.0	1.320	2.296	8.8	20.2
5 31	14 43.71	− 5 30.1	1.350	2.280	13.2	20.4
6 10	14 38.61	− 5 15.8	1.400	2.264	17.2	20.6

136889 1998 HR_{17} 5 8.4 80°.36 4°.5/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.29	−30 52.8	2.267	3.033	14.1	19.5
4 11	15 25.22	−31 22.5	2.192	3.050	11.5	19.3
4 21	15 17.96	−31 38.5	2.139	3.066	8.7	19.2
5 1	15 9.14	−31 39.0	2.111	3.083	5.9	19.0
5 11	14 59.70	−31 24.4	2.110	3.100	4.5	19.0
5 21	14 50.62	−30 57.0	2.136	3.116	5.6	19.1
5 31	14 42.80	−30 21.0	2.189	3.133	8.1	19.3
6 10	14 36.91	−29 42.0	2.267	3.149	10.8	19.4

426375 2013 PH_{1} 5 8.4 321°.49 0°.1/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.34	−20 1.9	1.531	2.364	16.7	21.1
4 11	15 23.00	−19 26.2	1.449	2.359	13.0	20.8
4 21	15 16.92	−18 36.6	1.387	2.354	8.7	20.6
5 1	15 8.82	−17 35.4	1.349	2.350	3.8	20.3
5 11	14 59.82	−16 27.8	1.336	2.345	1.4	20.1
5 21	14 51.16	−15 20.5	1.350	2.341	6.5	20.4
5 31	14 44.00	−14 20.7	1.387	2.338	11.3	20.7
6 10	14 39.21	−13 34.2	1.447	2.334	15.4	20.9

115453 2003 TL_{11} 5 8.4 182°.80 1°.0/ 9.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.53	−21 57.7	2.172	2.976	13.4	20.0
4 11	15 23.09	−21 42.6	2.084	2.976	10.5	19.8
4 21	15 16.57	−21 17.0	2.019	2.976	7.1	19.6
5 1	15 8.57	−20 41.9	1.979	2.976	3.4	19.4
5 11	14 59.93	−19 59.8	1.967	2.976	1.2	19.2
5 21	14 51.55	−19 14.5	1.984	2.975	4.8	19.5
5 31	14 44.30	−18 30.5	2.027	2.974	8.4	19.7
6 10	14 38.84	−17 52.3	2.095	2.973	11.7	19.9

338343 2002 WY_{19} 5 8.4 260°.26 0°.9/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 18.72	−24 21.0	4.451	5.232	7.4	20.5
4 11	15 15.31	−23 52.7	4.353	5.230	5.8	20.3
4 21	15 10.98	−23 17.9	4.279	5.229	4.0	20.2
5 1	15 6.02	−22 37.3	4.234	5.227	2.1	20.1
5 11	15 0.82	−21 52.5	4.219	5.226	0.9	20.0
5 21	14 55.76	−21 5.5	4.233	5.224	2.5	20.1
5 31	14 51.18	−20 18.5	4.278	5.223	4.5	20.2
6 10	14 47.41	−19 33.7	4.349	5.221	6.3	20.4

498701 2008 TJ_{11} 5 8.4 104°.17 3°.8/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.40	− 9 53.9	2.052	2.881	13.2	21.8
4 11	15 22.01	− 8 42.4	1.987	2.896	10.1	21.7
4 21	15 15.71	− 7 27.4	1.945	2.909	6.8	21.5
5 1	15 8.13	− 6 13.9	1.931	2.923	4.2	21.3
5 11	15 0.11	− 5 7.7	1.944	2.936	4.5	21.4
5 21	14 52.48	− 4 13.4	1.984	2.950	7.2	21.6
5 31	14 46.02	− 3 34.6	2.051	2.962	10.3	21.8
6 10	14 41.26	− 3 12.8	2.140	2.975	13.1	22.0

170413 2003 UG_{31} 5 8.4 274°.84 1°.0/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.87	−17 15.8	1.954	2.778	13.9	20.1
4 11	15 22.03	−16 40.5	1.864	2.770	10.8	19.8
4 21	15 16.00	−15 56.0	1.796	2.762	7.1	19.6
5 1	15 8.36	−15 4.8	1.753	2.754	3.1	19.3
5 11	15 0.00	−14 11.1	1.738	2.746	1.7	19.2
5 21	14 51.87	−13 19.6	1.751	2.738	5.8	19.5
5 31	14 44.89	−12 35.4	1.789	2.730	9.8	19.7
6 10	14 39.78	−12 2.5	1.851	2.723	13.3	19.9

522902 2016 PB_{105} 5 8.4 294°.76 6°.8/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 24.48	+ 1 21.8	2.226	3.052	12.4	21.0
4 11	15 20.53	+ 2 21.8	2.151	3.046	10.1	20.8
4 21	15 14.79	+ 3 17.1	2.099	3.040	8.0	20.7
5 1	15 7.77	+ 4 2.3	2.072	3.035	6.8	20.6
5 11	15 0.22	+ 4 32.6	2.072	3.029	7.4	20.6
5 21	14 52.89	+ 4 44.9	2.098	3.024	9.3	20.7
5 31	14 46.53	+ 4 37.9	2.147	3.019	11.7	20.9
6 10	14 41.71	+ 4 12.3	2.218	3.014	14.0	21.0

295672 2008 TO_{82} 5 8.4 166°.41 1°.9/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.65	−14 21.1	2.338	3.155	12.2	21.3
4 11	15 22.11	−13 32.5	2.255	3.159	9.3	21.1
4 21	15 15.76	−12 37.8	2.197	3.162	6.1	20.9
5 1	15 8.18	−11 40.0	2.166	3.165	2.9	20.7
5 11	15 0.09	−10 43.3	2.164	3.168	2.5	20.6
5 21	14 52.29	− 9 52.0	2.190	3.170	5.6	20.9
5 31	14 45.50	− 9 9.8	2.244	3.171	8.8	21.1
6 10	14 40.27	− 8 39.4	2.322	3.173	11.7	21.3

122046 2000 GW_{90} 5 8.4 344.°68 3.°7/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 24.95	−10 35.7	1.011	1.884	20.3	18.9
4 11	15 23.11	−10 28.3	0.940	1.873	15.9	18.6
4 21	15 17.67	−10 18.4	0.887	1.863	10.7	18.3
5 1	15 9.36	−10 10.6	0.854	1.855	5.4	17.9
5 11	14 59.63	−10 10.4	0.843	1.848	4.5	17.9
5 21	14 50.20	−10 22.0	0.852	1.842	9.7	18.1
5 31	14 42.75	−10 48.8	0.882	1.838	15.2	18.4
6 10	14 38.48	−11 31.8	0.929	1.836	20.2	18.7

372374 2009 OK_{21} 5 8.4 266.°37 1.°7/ 7.4 17

4 1	15 28.64	−15 15.6	1.804	2.631	14.8	21.2
4 11	15 24.50	−14 44.7	1.704	2.612	11.5	20.9
4 21	15 17.86	−14 5.5	1.625	2.592	7.7	20.7
5 1	15 9.27	−13 20.5	1.572	2.572	3.4	20.4
5 11	14 59.68	−12 34.0	1.546	2.552	2.4	20.2
5 21	14 50.20	−11 51.0	1.546	2.532	6.7	20.5
5 31	14 41.92	−11 16.7	1.572	2.511	11.1	20.7
6 10	14 35.72	−10 55.0	1.621	2.489	15.0	20.9

145391 2005 ND_{39} 5 8.4 350.°30 0.°5/ 8.6 17

4 1	15 26.85	−17 37.5	1.230	2.080	18.9	19.0
4 11	15 24.12	−17 59.7	1.154	2.073	14.8	18.7
4 21	15 18.09	−18 14.0	1.097	2.068	10.0	18.4
5 1	15 9.48	−18 20.7	1.062	2.063	4.5	18.1
5 11	14 59.61	−18 21.7	1.050	2.059	1.5	17.9
5 21	14 50.02	−18 20.0	1.061	2.057	7.2	18.2
5 31	14 42.23	−18 20.3	1.095	2.055	12.5	18.5
6 10	14 37.32	−18 27.1	1.149	2.055	17.2	18.8

333115 2011 UE_{401} 5 8.4 267.°62 0.°6/ 8.2 16

4 1	15 32.74	−15 57.8	1.491	2.321	17.2	21.0
4 11	15 28.35	−16 3.8	1.395	2.304	13.5	20.7
4 21	15 20.79	−16 3.3	1.319	2.286	9.1	20.4
5 1	15 10.68	−15 57.3	1.267	2.268	4.0	20.1
5 11	14 59.17	−15 48.1	1.241	2.250	1.7	19.8
5 21	14 47.68	−15 38.9	1.241	2.231	7.1	20.1
5 31	14 37.69	−15 34.3	1.265	2.212	12.3	20.4
6 10	14 30.35	−15 38.3	1.310	2.193	17.0	20.6

884 Priamus 5 8.4 322.°23 2.°3/11.3 18

4 1	15 20.11	−29 1.1	3.971	4.734	8.5	15.8
4 11	15 16.60	−29 1.7	3.867	4.727	6.9	15.6
4 21	15 11.95	−28 54.3	3.787	4.720	5.1	15.5
5 1	15 6.49	−28 38.6	3.734	4.713	3.3	15.4
5 11	15 0.69	−28 15.7	3.710	4.706	2.3	15.3
5 21	14 54.98	−27 46.9	3.714	4.699	3.2	15.3
5 31	14 49.84	−27 14.5	3.747	4.692	5.0	15.5
6 10	14 45.65	−26 41.0	3.807	4.686	6.9	15.6

364671 2007 TD_{350} 5 8.4 246.°19 3.°8/10.2 17

4 1	15 34.22	−25 52.2	1.736	2.531	16.6	21.6
4 11	15 29.29	−26 23.8	1.635	2.517	13.5	21.4
4 21	15 21.31	−26 43.4	1.554	2.501	9.8	21.1
5 1	15 10.88	−26 48.1	1.498	2.486	5.9	20.8
5 11	14 59.11	−26 37.3	1.467	2.469	3.8	20.6
5 21	14 47.37	−26 12.9	1.463	2.452	6.5	20.8
5 31	14 37.07	−25 40.2	1.485	2.434	10.7	21.0
6 10	14 29.29	−25 5.9	1.530	2.416	14.8	21.2

115022 2003 QK_{93} 5 8.4 229.°43 0.°8/ 8.9 17

4 1	15 32.35	−20 34.8	1.998	2.801	14.4	21.4
4 11	15 27.19	−20 29.1	1.896	2.788	11.4	21.1
4 21	15 19.54	−20 13.5	1.815	2.774	7.7	20.9
5 1	15 9.98	−19 48.3	1.761	2.759	3.6	20.6
5 11	14 59.46	−19 15.5	1.735	2.743	1.2	20.4
5 21	14 49.05	−18 38.7	1.736	2.727	5.5	20.6
5 31	14 39.85	−18 2.6	1.765	2.710	9.7	20.8
6 10	14 32.70	−17 32.1	1.818	2.692	13.4	21.0

433750 2015 AZ_{264} 5 8.4 113.°88 4.°9/11.6 15

4 1	15 35.28	−31 3.6	2.115	2.876	15.1	21.9
4 11	15 29.25	−31 42.5	2.041	2.895	12.4	21.7
4 21	15 20.72	−32 6.9	1.988	2.913	9.4	21.5
5 1	15 10.40	−32 14.2	1.960	2.931	6.5	21.4
5 11	14 59.35	−32 4.2	1.959	2.948	4.9	21.3
5 21	14 48.71	−31 39.1	1.986	2.965	6.1	21.4
5 31	14 39.52	−31 3.7	2.040	2.981	8.8	21.6
6 10	14 32.55	−30 24.2	2.119	2.996	11.6	21.8

7053 1989 FA 5 8.4 76.°20 3.°0/ 6.8 18

4 1	15 29.82	−13 13.5	1.362	2.206	17.7	17.1
4 11	15 25.69	−12 32.5	1.299	2.216	13.7	16.9
4 21	15 18.65	−11 44.5	1.256	2.226	9.0	16.6
5 1	15 9.55	−10 54.2	1.236	2.236	4.4	16.4
5 11	14 59.66	−10 7.8	1.242	2.246	3.7	16.4
5 21	14 50.33	− 9 31.1	1.272	2.256	8.1	16.7
5 31	14 42.76	− 9 9.0	1.326	2.266	12.6	16.9
6 10	14 37.75	− 9 3.9	1.401	2.276	16.6	17.2

308312 2005 LU_{23} 5 8.4 273.°01 4.°1/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 26.89	−31 36.8	2.384	3.150	13.4	20.8
4 11	15 22.75	−31 41.5	2.278	3.136	11.1	20.6
4 21	15 16.47	−31 31.4	2.192	3.121	8.4	20.4
5 1	15 8.60	−31 5.1	2.132	3.106	5.7	20.2
5 11	14 59.96	−30 23.2	2.098	3.091	4.2	20.0
5 21	14 51.47	−29 28.5	2.093	3.076	5.4	20.1
5 31	14 44.04	−28 25.7	2.114	3.061	8.1	20.2
6 10	14 38.38	−27 21.0	2.160	3.046	11.1	20.4

397738 2008 ET_{156} 5 8.4 7.°03 8.°4/11.7 16

4 1	15 38.50	−35 25.4	2.034	2.774	16.3	20.2
4 11	15 32.65	−37 21.2	1.947	2.775	14.0	20.1
4 21	15 23.61	−39 4.8	1.882	2.776	11.5	19.9
5 1	15 11.94	−40 29.3	1.841	2.778	9.4	19.8
5 11	14 58.74	−41 29.4	1.826	2.780	8.4	19.7
5 21	14 45.45	−42 3.3	1.838	2.783	9.2	19.8
5 31	14 33.57	−42 13.6	1.875	2.787	11.1	19.9
6 10	14 24.29	−42 7.1	1.935	2.791	13.5	20.0

464715 2002 RX_{69} 5 8.4 236.°92 1.°5/ 7.4 17

4 1	15 29.87	−15 22.6	2.012	2.829	13.8	22.0
4 11	15 25.14	−14 51.7	1.912	2.815	10.8	21.7
4 21	15 18.11	−14 13.3	1.835	2.800	7.1	21.5
5 1	15 9.33	−13 29.6	1.784	2.784	3.2	21.2
5 11	14 59.71	−12 44.5	1.761	2.768	2.2	21.1
5 21	14 50.22	−12 2.5	1.767	2.751	6.1	21.3
5 31	14 41.86	−11 28.0	1.799	2.733	10.2	21.5
6 10	14 35.41	−11 4.7	1.854	2.715	13.8	21.7

632 Pyrrha 5 8.4 344.°21 1.°5/ 9.2 18

4 1	15 24.27	−21 0.0	1.373	2.215	17.8	14.7
4 11	15 21.87	−21 9.5	1.291	2.204	14.1	14.5
4 21	15 16.48	−21 7.0	1.228	2.194	9.6	14.2
5 1	15 8.76	−20 52.4	1.186	2.185	4.7	13.9
5 11	14 59.90	−20 28.2	1.169	2.178	1.8	13.7
5 21	14 51.27	−19 58.7	1.176	2.171	6.6	13.9
5 31	14 44.23	−19 29.8	1.206	2.166	11.6	14.2
6 10	14 39.80	−19 7.6	1.256	2.162	16.0	14.4

129758 1999 FG_{44} 5 8.4 16.°99 4.°9/ 5.6 18

4 1	15 27.09	−10 19.6	1.325	2.179	17.6	19.2
4 11	15 23.72	− 9 14.5	1.258	2.180	13.7	19.0
4 21	15 17.45	− 8 3.3	1.211	2.181	9.3	18.7
5 1	15 9.07	− 6 53.1	1.186	2.182	5.5	18.5
5 11	14 59.83	− 5 51.8	1.187	2.184	5.7	18.5
5 21	14 51.04	− 5 6.6	1.211	2.186	9.6	18.7
5 31	14 43.93	− 4 42.2	1.258	2.188	14.0	19.0
6 10	14 39.34	− 4 40.2	1.324	2.191	17.9	19.2

241323 2007 VS_{102} 5 8.4 301.°55 0.°8/ 7.9 17

4 1	15 26.05	−16 58.8	2.013	2.835	13.6	21.0
4 11	15 22.08	−16 34.6	1.927	2.833	10.6	20.8
4 21	15 15.98	−16 2.6	1.864	2.830	6.9	20.5
5 1	15 8.36	−15 25.0	1.827	2.827	3.0	20.3
5 11	15 0.07	−14 45.2	1.817	2.825	1.5	20.2
5 21	14 52.04	−14 7.2	1.834	2.822	5.5	20.4
5 31	14 45.14	−13 35.3	1.878	2.820	9.3	20.6
6 10	14 40.05	−13 12.9	1.945	2.818	12.7	20.8

296542 2009 OY_{24} 5 8.4 273.°63 4.°5/ 5.6 18

4 1	15 28.13	− 8 39.6	1.731	2.567	14.9	20.7
4 11	15 24.14	− 7 50.9	1.635	2.547	11.7	20.4
4 21	15 17.64	− 6 58.2	1.562	2.527	8.1	20.1
5 1	15 9.19	− 6 6.6	1.513	2.507	5.0	19.9
5 11	14 59.76	− 5 21.9	1.491	2.486	5.2	19.9
5 21	14 50.44	− 4 49.4	1.495	2.465	8.6	20.0
5 31	14 42.33	− 4 33.5	1.523	2.444	12.6	20.2
6 10	14 36.30	− 4 36.0	1.572	2.423	16.3	20.4

308631 2005 XX_{78} 5 8.4 229.°01 3.°5/10.8 17

4 1	15 32.19	−28 16.7	2.341	3.112	13.5	21.9
4 11	15 26.87	−28 33.4	2.233	3.098	11.0	21.7
4 21	15 19.24	−28 37.9	2.148	3.084	8.1	21.5
5 1	15 9.85	−28 28.6	2.087	3.069	5.1	21.3
5 11	14 59.55	−28 5.6	2.055	3.054	3.5	21.1
5 21	14 49.34	−27 31.1	2.052	3.037	5.3	21.2
5 31	14 40.22	−26 49.2	2.076	3.020	8.4	21.4
6 10	14 32.98	−26 5.4	2.125	3.002	11.6	21.5

103310 2000 AA_{56} 5 8.4 18.°38 2.°0/ 9.5 18

4 1	15 26.71	−22 42.1	1.298	2.135	18.9	18.9
4 11	15 23.75	−22 46.0	1.229	2.139	14.9	18.6
4 21	15 17.64	−22 34.9	1.180	2.144	10.2	18.4
5 1	15 9.21	−22 8.9	1.152	2.150	5.1	18.1
5 11	14 59.80	−21 31.2	1.148	2.157	2.2	17.9
5 21	14 50.87	−20 47.2	1.169	2.164	6.6	18.2
5 31	14 43.78	−20 4.3	1.212	2.172	11.5	18.5
6 10	14 39.43	−19 29.0	1.276	2.181	15.9	18.8

36144 1999 RT_{173} 5 8.4 204.°88 6.°3/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 23.76	+ 1 23.7	2.490	3.311	11.4	19.1
4 11	15 19.77	+ 2 31.6	2.417	3.310	9.3	18.9
4 21	15 14.20	+ 3 35.3	2.369	3.308	7.3	18.8
5 1	15 7.52	+ 4 29.9	2.347	3.306	6.4	18.7
5 11	15 0.40	+ 5 10.8	2.353	3.305	6.9	18.8
5 21	14 53.50	+ 5 34.9	2.384	3.303	8.7	18.9
5 31	14 47.46	+ 5 40.9	2.440	3.301	10.8	19.0
6 10	14 42.80	+ 5 29.1	2.517	3.299	12.9	19.2

213843 2003 SE_{13} 5 8.4 157.°68 0.°9/ 7.8 16

4 1	15 31.43	−16 38.2	1.916	2.732	14.5	21.6
4 11	15 26.23	−16 12.5	1.838	2.739	11.2	21.4
4 21	15 18.70	−15 38.9	1.781	2.745	7.4	21.2
5 1	15 9.54	−14 59.7	1.751	2.751	3.2	20.9
5 11	14 59.70	−14 18.5	1.748	2.756	1.7	20.8
5 21	14 50.24	−13 39.7	1.774	2.761	5.8	21.1
5 31	14 42.10	−13 7.7	1.826	2.765	9.8	21.4
6 10	14 35.99	−12 45.9	1.902	2.768	13.3	21.6

438970 2010 MQ_{84} 5 8.4 261.°90 3.°7/11.8 18

4 1	15 26.06	−31 29.8	2.562	3.326	12.7	21.1
4 11	15 21.89	−31 27.2	2.459	3.316	10.4	20.9
4 21	15 15.79	−31 10.4	2.378	3.306	7.9	20.7
5 1	15 8.29	−30 38.5	2.321	3.296	5.3	20.6
5 11	15 0.14	−29 52.6	2.293	3.286	3.8	20.4
5 21	14 52.18	−28 55.4	2.292	3.276	4.9	20.5
5 31	14 45.21	−27 51.7	2.319	3.266	7.5	20.6
6 10	14 39.88	−26 46.8	2.371	3.256	10.3	20.8

353654 2011 UU_{126} 5 8.4 254.°20 1.°1/ 9.3 18

4 1	15 27.15	−21 30.8	2.500	3.298	12.0	21.7
4 11	15 22.68	−21 32.8	2.397	3.285	9.5	21.5
4 21	15 16.30	−21 26.9	2.317	3.273	6.5	21.3
5 1	15 8.52	−21 13.1	2.263	3.260	3.2	21.1
5 11	15 0.05	−20 52.9	2.238	3.247	1.3	20.9
5 21	14 51.69	−20 28.7	2.242	3.233	4.4	21.1
5 31	14 44.23	−20 3.8	2.273	3.220	7.7	21.3
6 10	14 38.33	−19 41.7	2.330	3.206	10.8	21.4

147260 2002 XH_{113} 5 8.4 129.°29 1.°4/ 7.6 18

4 1	15 32.19	−13 53.7	2.046	2.859	13.8	20.2
4 11	15 26.57	−13 42.4	1.973	2.874	10.6	20.0
4 21	15 18.81	−13 26.7	1.924	2.888	6.9	19.8
5 1	15 9.55	−13 8.7	1.902	2.901	3.1	19.6
5 11	14 59.73	−12 51.0	1.907	2.914	2.0	19.6
5 21	14 50.30	−12 36.7	1.942	2.926	5.7	19.8
5 31	14 42.13	−12 28.5	2.003	2.938	9.3	20.1
6 10	14 35.88	−12 28.8	2.088	2.949	12.5	20.3

388381 2006 UF_{234} 5 8.4 100.°00 0.°5/ 8.0 17

4 1	15 26.52	−16 52.4	2.434	3.245	11.9	21.7
4 11	15 21.95	−16 36.1	2.359	3.258	9.2	21.5
4 21	15 15.64	−16 13.9	2.308	3.271	6.0	21.4
5 1	15 8.15	−15 47.5	2.283	3.283	2.6	21.2
5 11	15 0.21	−15 19.5	2.288	3.296	1.2	21.1
5 21	14 52.57	−14 52.8	2.320	3.308	4.6	21.3
5 31	14 45.93	−14 30.4	2.381	3.320	7.8	21.5
6 10	14 40.81	−14 14.7	2.466	3.332	10.6	21.7

273773 2007 EK_{191} 5 8.4 57.°74 0.°0/ 8.5 17

4 1	15 28.55	−18 41.0	1.742	2.565	15.4	20.9
4 11	15 24.34	−18 33.3	1.664	2.568	12.0	20.7
4 21	15 17.63	−18 16.5	1.607	2.572	8.0	20.4
5 1	15 9.13	−17 51.9	1.575	2.575	3.5	20.2
5 11	14 59.86	−17 22.6	1.569	2.579	1.2	20.0
5 21	14 50.92	−16 52.5	1.591	2.582	5.7	20.3
5 31	14 43.38	−16 26.3	1.637	2.586	10.0	20.6
6 10	14 37.98	−16 7.9	1.707	2.589	13.7	20.8

374523 2006 AN_{14} 5 8.4 161.°61 2.°7/10.6 17

4 1	15 30.45	−27 14.5	2.377	3.153	13.2	22.0
4 11	15 25.22	−27 13.0	2.289	3.160	10.6	21.9
4 21	15 17.93	−26 59.1	2.224	3.165	7.6	21.7
5 1	15 9.19	−26 32.3	2.184	3.171	4.5	21.5
5 11	14 59.85	−25 54.1	2.173	3.175	2.7	21.4
5 21	14 50.80	−25 7.8	2.190	3.179	4.7	21.5
5 31	14 42.89	−24 17.8	2.236	3.182	7.8	21.7
6 10	14 36.77	−23 29.3	2.306	3.185	10.8	21.9

156323 2001 XL_{84} 5 8.4 203.°48 6.°9/ 3.9 18

4 1	15 29.64	+ 1 6.9	2.057	2.876	13.5	19.9
4 11	15 24.65	+ 1 54.6	1.980	2.873	11.0	19.8
4 21	15 17.59	+ 2 36.9	1.927	2.870	8.5	19.6
5 1	15 9.06	+ 3 8.3	1.899	2.866	7.0	19.5
5 11	14 59.90	+ 3 24.1	1.898	2.862	7.4	19.5
5 21	14 51.01	+ 3 21.5	1.923	2.857	9.5	19.6
5 31	14 43.24	+ 2 59.7	1.973	2.852	12.2	19.8
6 10	14 37.26	+ 2 19.8	2.044	2.847	14.8	20.0

180133 2003 FM_{86} 5 8.4 317.°41 2.°6/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 23.23	−13 29.2	2.174	3.003	12.5	19.7
4 11	15 19.69	−12 21.4	2.088	2.998	9.6	19.5
4 21	15 14.30	−11 6.4	2.027	2.994	6.4	19.3
5 1	15 7.62	− 9 48.4	1.992	2.990	3.3	19.1
5 11	15 0.39	− 8 32.9	1.986	2.986	3.3	19.1
5 21	14 53.42	− 7 25.1	2.007	2.982	6.4	19.3
5 31	14 47.44	− 6 29.7	2.055	2.978	9.7	19.5
6 10	14 43.04	− 5 49.5	2.125	2.975	12.7	19.7

209562 2004 XM_{12} 5 8.4 114.°04 0.°7/ 8.0 18

4 1	15 32.27	−17 39.8	1.672	2.493	16.1	21.4
4 11	15 27.08	−17 13.0	1.605	2.509	12.4	21.2
4 21	15 19.33	−16 36.9	1.560	2.525	8.1	20.9
5 1	15 9.82	−15 53.8	1.540	2.541	3.5	20.7
5 11	14 59.67	−15 8.1	1.547	2.556	1.6	20.6
5 21	14 50.05	−14 24.7	1.581	2.570	6.2	20.9
5 31	14 42.02	−13 48.8	1.641	2.584	10.4	21.2
6 10	14 36.27	−13 24.2	1.724	2.597	14.1	21.5

282777 2006 KP_{11} 5 8.4 306.°01 2.°7/ 7.1 17

4 1	15 27.04	−13 19.1	1.338	2.188	17.6	20.8
4 11	15 24.11	−12 53.6	1.248	2.168	13.8	20.5
4 21	15 18.08	−12 20.4	1.177	2.149	9.3	20.1
5 1	15 9.55	−11 43.4	1.129	2.129	4.4	19.8
5 11	14 59.69	−11 7.7	1.105	2.110	3.5	19.7
5 21	14 49.91	−10 39.4	1.104	2.092	8.4	19.9
5 31	14 41.67	−10 24.1	1.127	2.073	13.7	20.1
6 10	14 36.09	−10 25.5	1.169	2.056	18.3	20.3

208609 2002 CY_{243} 5 8.5 114.°61 3.°0/10.2 18

4 1	15 35.18	−25 44.0	1.738	2.532	16.6	21.0
4 11	15 29.44	−25 54.9	1.669	2.551	13.2	20.8
4 21	15 20.95	−25 51.5	1.621	2.569	9.3	20.6
5 1	15 10.54	−25 32.9	1.597	2.587	5.3	20.4
5 11	14 59.42	−25 0.8	1.600	2.604	3.0	20.3
5 21	14 48.84	−24 19.3	1.631	2.621	5.8	20.5
5 31	14 39.95	−23 34.4	1.687	2.637	9.7	20.8
6 10	14 33.52	−22 52.5	1.768	2.652	13.2	21.0

107930 2001 FU_{108} 5 8.5 24.°23 0.°5/ 8.7 17

4 1	15 27.30	−19 46.5	1.291	2.134	18.6	20.5
4 11	15 24.13	−19 38.3	1.225	2.139	14.5	20.2
4 21	15 17.86	−19 17.5	1.177	2.145	9.7	19.9
5 1	15 9.32	−18 45.5	1.151	2.152	4.3	19.7
5 11	14 59.83	−18 6.4	1.150	2.159	1.4	19.5
5 21	14 50.84	−17 26.2	1.173	2.167	6.8	19.8
5 31	14 43.68	−16 51.1	1.219	2.176	11.8	20.1
6 10	14 39.22	−16 26.8	1.285	2.185	16.2	20.4

406851 2009 BD_{35} 5 8.5 153.°45 0.°1/ 8.5 18

4 1	15 33.28	−18 58.5	1.801	2.612	15.5	22.1
4 11	15 27.86	−18 47.0	1.723	2.621	12.0	21.9
4 21	15 19.89	−18 26.0	1.667	2.628	8.0	21.7
5 1	15 10.10	−17 56.8	1.636	2.635	3.5	21.4
5 11	14 59.56	−17 22.4	1.633	2.642	1.2	21.2
5 21	14 49.42	−16 46.8	1.657	2.647	5.7	21.6
5 31	14 40.74	−16 15.1	1.708	2.652	10.0	21.8
6 10	14 34.30	−15 51.4	1.782	2.656	13.6	22.1

230055 2000 SC_{149} 5 8.5 200.°86 1.°7/ 7.0 18

4 1	15 27.84	−14 33.7	2.440	3.252	11.9	21.2
4 11	15 23.05	−13 51.1	2.347	3.248	9.1	21.0
4 21	15 16.44	−13 2.3	2.279	3.243	6.0	20.8
5 1	15 8.55	−12 10.0	2.238	3.237	2.8	20.6
5 11	15 0.10	−11 18.0	2.226	3.231	2.2	20.5
5 21	14 51.85	−10 30.0	2.244	3.224	5.4	20.7
5 31	14 44.56	− 9 50.0	2.289	3.216	8.7	20.9
6 10	14 38.81	− 9 20.6	2.358	3.208	11.6	21.1

326301 1998 TS_{26} 5 8.5 185.°81 1.°0/ 9.0 17

4 1	15 31.42	−20 22.6	1.864	2.674	15.1	21.1
4 11	15 26.51	−20 28.8	1.779	2.674	11.8	20.9
4 21	15 19.08	−20 25.7	1.714	2.674	8.0	20.7
5 1	15 9.80	−20 13.7	1.675	2.673	3.8	20.4
5 11	14 59.66	−19 54.5	1.664	2.672	1.4	20.2
5 21	14 49.79	−19 31.2	1.679	2.671	5.5	20.5
5 31	14 41.25	−19 8.2	1.722	2.670	9.6	20.7
6 10	14 34.87	−18 49.8	1.787	2.668	13.3	21.0

504463 2008 DU_{9} 5 8.5 76.°21 7.°5/ 2.2 17

4 1	15 24.76	+ 4 5.8	2.252	3.073	12.5	21.2
4 11	15 20.66	+ 5 12.9	2.190	3.078	10.3	21.1
4 21	15 14.83	+ 6 13.1	2.152	3.083	8.4	21.0
5 1	15 7.82	+ 7 0.6	2.138	3.088	7.5	20.9
5 11	15 0.36	+ 7 30.9	2.151	3.093	8.1	21.0
5 21	14 53.21	+ 7 41.3	2.189	3.098	9.8	21.1
5 31	14 47.04	+ 7 31.2	2.250	3.103	11.9	21.2
6 10	14 42.40	+ 7 1.8	2.332	3.109	14.0	21.4

249358 2008 YQ_{36} 5 8.5 347°.53 2°.8/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 25.40	−23 33.9	1.152	1.998	20.2	20.0
4 11	15 23.32	−23 45.8	1.078	1.991	16.2	19.7
4 21	15 17.74	−23 40.9	1.020	1.985	11.3	19.4
5 1	15 9.42	−23 18.0	0.983	1.980	6.0	19.1
5 11	14 59.77	−22 39.7	0.969	1.976	2.9	18.9
5 21	14 50.46	−21 51.7	0.977	1.973	7.3	19.2
5 31	14 43.12	−21 2.4	1.007	1.971	12.7	19.4
6 10	14 38.86	−20 20.4	1.056	1.971	17.6	19.7

470944 2009 HA_{103} 5 8.5 329°.85 5°.5/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.03	− 2 14.4	2.192	3.021	12.5	21.0
4 11	15 21.00	− 1 28.1	2.116	3.018	9.9	20.9
4 21	15 15.14	− 0 44.7	2.063	3.016	7.4	20.7
5 1	15 7.99	− 0 8.7	2.036	3.014	5.7	20.6
5 11	15 0.30	+ 0 15.6	2.036	3.012	6.1	20.6
5 21	14 52.85	+ 0 25.2	2.063	3.010	8.2	20.7
5 31	14 46.39	+ 0 18.5	2.114	3.008	10.9	20.9
6 10	14 41.50	− 0 4.2	2.187	3.006	13.4	21.1

406425 2007 TQ_{197} 5 8.5 110°.72 2°.4/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.85	−13 47.8	1.671	2.498	15.8	21.5
4 11	15 26.65	−13 3.5	1.609	2.517	12.1	21.3
4 21	15 18.99	−12 12.6	1.569	2.535	7.9	21.1
5 1	15 9.65	−11 19.4	1.553	2.552	3.8	20.8
5 11	14 59.75	−10 28.9	1.565	2.569	3.1	20.8
5 21	14 50.41	− 9 46.5	1.604	2.586	7.0	21.1
5 31	14 42.62	− 9 16.3	1.669	2.601	11.0	21.4
6 10	14 37.04	− 9 0.7	1.756	2.617	14.4	21.6

285181 1996 TA_{17} 5 8.5 192°.49 0°.1/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.87	−19 21.7	2.456	3.263	12.0	21.4
4 11	15 21.56	−18 50.8	2.366	3.262	9.3	21.3
4 21	15 15.47	−18 11.4	2.299	3.260	6.1	21.1
5 1	15 8.12	−17 25.1	2.259	3.259	2.7	20.8
5 11	15 0.25	−16 35.1	2.248	3.257	1.0	20.7
5 21	14 52.61	−15 45.1	2.265	3.254	4.5	20.9
5 31	14 45.93	−14 59.2	2.311	3.252	7.9	21.1
6 10	14 40.76	−14 20.9	2.381	3.249	10.9	21.3

320996 2008 KX_{6} 5 8.5 263°.45 7°.2/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.75	− 0 50.9	1.848	2.680	14.3	21.1
4 11	15 23.56	+ 0 13.5	1.764	2.666	11.6	20.9
4 21	15 17.09	+ 1 15.1	1.702	2.652	8.9	20.7
5 1	15 8.93	+ 2 7.5	1.665	2.637	7.3	20.5
5 11	14 59.96	+ 2 44.4	1.654	2.623	7.9	20.5
5 21	14 51.19	+ 3 1.2	1.668	2.608	10.3	20.7
5 31	14 43.58	+ 2 55.8	1.706	2.593	13.4	20.8
6 10	14 37.88	+ 2 28.7	1.764	2.577	16.4	21.0

519048 2010 KM_{48} 5 8.5 343°.43 0°.3/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 24.43	−19 46.0	1.935	2.757	14.1	20.7
4 11	15 21.01	−19 32.2	1.848	2.752	11.0	20.5
4 21	15 15.39	−19 8.8	1.782	2.746	7.4	20.3
5 1	15 8.17	−18 37.2	1.742	2.742	3.3	20.0
5 11	15 0.23	−18 0.2	1.728	2.738	1.1	19.8
5 21	14 52.52	−17 21.9	1.742	2.734	5.3	20.1
5 31	14 45.97	−16 46.9	1.781	2.731	9.2	20.3
6 10	14 41.29	−16 19.3	1.843	2.728	12.7	20.6

413396 2004 RS_{256} 5 8.5 245°.77 3°.9/10.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.17	−26 20.7	1.711	2.506	16.8	22.0
4 11	15 29.32	−26 48.8	1.610	2.491	13.7	21.7
4 21	15 21.40	−27 3.9	1.529	2.476	10.0	21.4
5 1	15 10.99	−27 3.2	1.472	2.460	6.0	21.2
5 11	14 59.23	−26 46.2	1.441	2.443	3.9	21.0
5 21	14 47.50	−26 15.1	1.436	2.425	6.6	21.1
5 31	14 37.24	−25 35.5	1.457	2.407	10.8	21.3
6 10	14 29.53	−24 54.8	1.501	2.389	14.9	21.5

488455 1995 SA_{10} 5 8.5 219°.06 5°.3/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.67	−34 9.8	2.565	3.302	13.3	22.4
4 11	15 28.00	−34 47.6	2.458	3.291	11.2	22.2
4 21	15 20.01	−35 12.2	2.373	3.281	8.9	22.1
5 1	15 10.23	−35 20.6	2.313	3.269	6.6	21.9
5 11	14 59.52	−35 11.7	2.280	3.257	5.4	21.8
5 21	14 48.90	−34 46.5	2.275	3.244	6.2	21.8
5 31	14 39.34	−34 8.5	2.298	3.231	8.4	21.9
6 10	14 31.67	−33 23.5	2.346	3.217	10.9	22.1

24808 1994 TN_{1} 5 8.5 160°.26 0°.6/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.87	−19 50.6	3.042	3.833	10.3	19.1
4 11	15 22.73	−19 55.5	2.953	3.839	8.0	18.9
4 21	15 16.08	−19 54.6	2.889	3.844	5.4	18.8
5 1	15 8.37	−19 48.4	2.852	3.849	2.5	18.6
5 11	15 0.20	−19 38.1	2.845	3.854	0.9	18.4
5 21	14 52.21	−19 25.5	2.868	3.858	3.6	18.7
5 31	14 45.02	−19 12.7	2.921	3.862	6.4	18.9
6 10	14 39.11	−19 2.3	2.999	3.865	8.9	19.0

394544 2007 UD_{37} 5 8.5 205°.71 2°.1/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 20.43	− 8 9.8	4.239	5.050	7.2	22.2
4 11	15 16.63	− 7 36.9	4.146	5.044	5.6	22.1
4 21	15 11.89	− 7 3.3	4.079	5.038	3.8	21.9
5 1	15 6.51	− 6 30.7	4.041	5.032	2.3	21.8
5 11	15 0.85	− 6 1.3	4.033	5.025	2.4	21.8
5 21	14 55.29	− 5 36.8	4.055	5.018	4.0	21.9
5 31	14 50.20	− 5 18.5	4.105	5.011	5.8	22.0
6 10	14 45.91	− 5 7.6	4.181	5.003	7.5	22.1

90390 2003 XH_{5} 5 8.5 273°.20 2°.3/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.76	−23 47.0	2.175	2.969	13.7	19.6
4 11	15 25.19	−24 2.7	2.063	2.947	11.0	19.4
4 21	15 18.28	−24 8.7	1.973	2.924	7.8	19.2
5 1	15 9.52	−24 4.0	1.909	2.901	4.3	18.9
5 11	14 59.77	−23 49.4	1.872	2.878	2.3	18.7
5 21	14 50.00	−23 26.7	1.864	2.854	5.2	18.9
5 31	14 41.26	−22 59.8	1.882	2.830	8.9	19.0
6 10	14 34.39	−22 33.6	1.924	2.806	12.4	19.2

488660 2003 SL_{309} 5 8.5 251°.93 1°.3/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.43	−22 33.2	2.223	3.022	13.3	22.0
4 11	15 23.96	−22 26.2	2.118	3.006	10.5	21.8
4 21	15 17.32	−22 8.8	2.035	2.991	7.2	21.6
5 1	15 9.04	−21 41.2	1.978	2.974	3.6	21.3
5 11	14 59.96	−21 5.2	1.950	2.958	1.5	21.1
5 21	14 50.98	−20 24.1	1.949	2.941	4.9	21.3
5 31	14 43.04	−19 42.4	1.976	2.923	8.6	21.5
6 10	14 36.88	−19 4.7	2.027	2.906	12.0	21.7

249189 2008 CC_{158} 5 8.5 61°.89 8°.2/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.27	−42 30.0	2.274	2.980	15.6	20.2
4 11	15 26.51	−43 17.8	2.195	2.991	13.6	20.1
4 21	15 19.12	−43 46.0	2.135	3.002	11.5	19.9
5 1	15 9.83	−43 50.8	2.097	3.013	9.6	19.8
5 11	14 59.71	−43 30.7	2.082	3.024	8.4	19.8
5 21	14 49.95	−42 47.6	2.093	3.035	8.4	19.8
5 31	14 41.67	−41 46.6	2.129	3.046	9.7	19.9
6 10	14 35.67	−40 34.9	2.189	3.058	11.6	20.0

276960 2004 TO_{339} 5 8.5 108°.01 0°.7/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.57	−17 59.8	1.952	2.772	14.1	20.7
4 11	15 23.21	−17 24.7	1.877	2.780	10.9	20.5
4 21	15 16.70	−16 40.4	1.824	2.789	7.1	20.3
5 1	15 8.70	−15 49.7	1.797	2.798	3.1	20.0
5 11	15 0.12	−14 56.5	1.798	2.806	1.5	19.9
5 21	14 51.92	−14 5.6	1.826	2.815	5.5	20.2
5 31	14 44.97	−13 21.8	1.881	2.823	9.4	20.4
6 10	14 39.90	−12 48.8	1.959	2.831	12.7	20.7

506904 2008 CV_{162} 5 8.5 138°.16 2°.4/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.33	−11 13.8	2.582	3.400	11.1	22.5
4 11	15 20.93	−10 36.7	2.504	3.408	8.5	22.3
4 21	15 14.95	− 9 56.6	2.451	3.415	5.6	22.2
5 1	15 7.89	− 9 16.5	2.426	3.422	3.0	22.0
5 11	15 0.40	− 8 39.6	2.429	3.429	2.8	22.0
5 21	14 53.17	− 8 9.0	2.461	3.435	5.4	22.2
5 31	14 46.83	− 7 47.2	2.520	3.441	8.2	22.4
6 10	14 41.87	− 7 35.9	2.603	3.447	10.8	22.5

497433 2005 XC_{59} 5 8.5 189°.17 1°.7/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.97	−13 11.3	2.138	2.955	13.2	22.7
4 11	15 24.95	−12 54.4	2.052	2.954	10.2	22.5
4 21	15 17.84	−12 33.4	1.989	2.953	6.7	22.2
5 1	15 9.22	−12 10.5	1.953	2.952	3.1	22.0
5 11	14 59.94	−11 48.6	1.944	2.950	2.3	22.0
5 21	14 50.89	−11 30.8	1.964	2.947	5.8	22.2
5 31	14 42.96	−11 20.2	2.011	2.944	9.4	22.4
6 10	14 36.80	−11 18.8	2.082	2.941	12.6	22.6

367721 2010 TZ_{184} 5 8.5 308°.28 0°.3/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.03	−19 55.5	1.335	2.177	18.1	20.7
4 11	15 23.53	−19 43.0	1.239	2.154	14.4	20.3
4 21	15 17.84	−19 16.6	1.162	2.131	9.8	20.0
5 1	15 9.53	−18 37.0	1.107	2.108	4.4	19.6
5 11	14 59.77	−17 47.8	1.076	2.085	1.4	19.3
5 21	14 50.04	−16 55.0	1.068	2.063	7.3	19.6
5 31	14 41.87	−16 6.6	1.084	2.041	12.9	19.9
6 10	14 36.44	−15 29.7	1.119	2.020	17.9	20.1

38998 2000 UP_{26} 5 8.5 98°.48 3°.0/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.00	−12 50.8	1.931	2.760	13.9	18.7
4 11	15 22.64	−11 40.7	1.865	2.774	10.6	18.5
4 21	15 16.24	−10 24.5	1.822	2.788	7.0	18.3
5 1	15 8.47	− 9 7.0	1.805	2.802	3.7	18.2
5 11	15 0.22	− 7 54.2	1.816	2.816	3.7	18.2
5 21	14 52.40	− 6 51.6	1.855	2.829	6.9	18.4
5 31	14 45.83	− 6 3.5	1.920	2.842	10.3	18.6
6 10	14 41.08	− 5 32.2	2.007	2.855	13.4	18.9

14818 Mindeli 5 8.5 234°.49 0°.6/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 25.93	−17 56.5	2.462	3.272	11.8	18.1
4 11	15 21.66	−17 19.9	2.363	3.261	9.2	17.9
4 21	15 15.60	−16 35.1	2.288	3.251	6.0	17.7
5 1	15 8.24	−15 44.0	2.239	3.240	2.6	17.5
5 11	15 0.28	−14 50.1	2.220	3.228	1.3	17.4
5 21	14 52.50	−13 57.1	2.230	3.216	4.8	17.6
5 31	14 45.63	−13 9.4	2.267	3.204	8.2	17.8
6 10	14 40.27	−12 30.3	2.329	3.192	11.2	18.0

305415 2008 CX_{113} 5 8.5 33°.71 1°.6/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.03	−22 17.1	2.123	2.929	13.6	20.6
4 11	15 22.82	−22 25.6	2.041	2.933	10.7	20.4
4 21	15 16.49	−22 24.8	1.981	2.938	7.3	20.2
5 1	15 8.66	−22 14.7	1.947	2.942	3.7	19.9
5 11	15 0.16	−21 56.9	1.940	2.947	1.7	19.8
5 21	14 51.93	−21 34.2	1.960	2.952	4.8	20.0
5 31	14 44.84	−21 10.3	2.007	2.957	8.3	20.2
6 10	14 39.56	−20 49.3	2.078	2.963	11.5	20.5

181147 2005 RF_{3} 5 8.5 297°.08 3°.8/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 23.71	− 9 5.2	2.192	3.023	12.4	20.0
4 11	15 20.07	− 8 6.5	2.107	3.017	9.6	19.8
4 21	15 14.59	− 7 4.5	2.047	3.011	6.6	19.6
5 1	15 7.81	− 6 3.7	2.013	3.005	4.1	19.5
5 11	15 0.46	− 5 8.8	2.006	2.999	4.4	19.5
5 21	14 53.33	− 4 24.4	2.027	2.993	7.0	19.6
5 31	14 47.16	− 3 53.8	2.073	2.987	10.1	19.8
6 10	14 42.56	− 3 38.7	2.142	2.981	13.0	20.0

152446 2005 UQ_{476} 5 8.5 326°.22 9°.3/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 23.39	− 0 21.5	1.466	2.319	16.3	19.1
4 11	15 20.70	+ 1 24.4	1.395	2.307	13.3	18.9
4 21	15 15.44	+ 3 8.5	1.345	2.297	10.6	18.7
5 1	15 8.29	+ 4 40.5	1.319	2.286	9.3	18.6
5 11	15 0.29	+ 5 50.9	1.316	2.277	10.4	18.6
5 21	14 52.58	+ 6 32.7	1.336	2.267	13.1	18.8
5 31	14 46.25	+ 6 43.0	1.377	2.259	16.3	18.9
6 10	14 42.11	+ 6 23.1	1.435	2.251	19.3	19.1

235389 2003 WV_{96} 5 8.5 184°.12 1°.1/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.19	−15 4.7	2.288	3.102	12.5	20.9
4 11	15 23.46	−14 49.2	2.201	3.102	9.6	20.7
4 21	15 16.80	−14 28.6	2.138	3.102	6.3	20.5
5 1	15 8.77	−14 4.6	2.102	3.102	2.8	20.3
5 11	15 0.14	−13 40.0	2.094	3.101	1.7	20.2
5 21	14 51.74	−13 17.8	2.114	3.100	5.1	20.4
5 31	14 44.35	−13 1.0	2.162	3.098	8.6	20.6
6 10	14 38.61	−12 52.1	2.234	3.097	11.7	20.8

149466 2003 EP_{8} 5 8.5 155°.44 1°.2/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.45	−16 18.0	2.235	3.045	12.9	20.8
4 11	15 24.37	−15 38.6	2.155	3.054	9.9	20.6
4 21	15 17.34	−14 51.8	2.098	3.062	6.5	20.4
5 1	15 8.97	−14 0.3	2.069	3.069	2.8	20.2
5 11	15 0.09	−13 8.0	2.069	3.076	1.8	20.1
5 21	14 51.53	−12 19.1	2.097	3.082	5.3	20.4
5 31	14 44.09	−11 37.6	2.153	3.087	8.8	20.6
6 10	14 38.36	−11 6.6	2.234	3.091	11.9	20.8

427368 2014 WE_{465} 5 8.5 210°.22 1°.5/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.08	−13 58.7	1.822	2.643	14.9	21.1
4 11	15 27.04	−13 51.1	1.735	2.639	11.6	20.9
4 21	15 19.48	−13 38.6	1.669	2.634	7.7	20.7
5 1	15 10.03	−13 23.3	1.629	2.629	3.4	20.4
5 11	14 59.71	−13 7.9	1.617	2.624	2.2	20.3
5 21	14 49.61	−12 55.7	1.631	2.618	6.3	20.5
5 31	14 40.81	−12 50.2	1.672	2.611	10.5	20.8
6 10	14 34.15	−12 53.9	1.736	2.604	14.2	21.0

133309 2003 SF_{57} 5 8.5 199°.70 4°.2/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.41	−29 37.7	2.158	2.933	14.4	20.2
4 11	15 25.64	−30 1.2	2.066	2.931	11.8	20.0
4 21	15 18.50	−30 11.3	1.995	2.929	8.8	19.8
5 1	15 9.59	−30 5.9	1.949	2.927	5.8	19.6
5 11	14 59.86	−29 45.4	1.930	2.925	4.2	19.5
5 21	14 50.34	−29 12.0	1.938	2.922	5.7	19.6
5 31	14 42.05	−28 30.3	1.973	2.920	8.7	19.8
6 10	14 35.76	−27 46.2	2.032	2.917	11.7	20.0

463143 2011 YK_{26} 5 8.5 9°.75 14°.7/ 1.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 20.08	+ 6 58.6	0.939	1.815	21.2	19.4
4 11	15 19.01	+ 8 43.0	0.901	1.818	18.2	19.2
4 21	15 14.64	+10 8.4	0.880	1.823	15.7	19.1
5 1	15 7.96	+11 1.0	0.877	1.831	14.7	19.1
5 11	15 0.46	+11 11.4	0.892	1.840	15.5	19.1
5 21	14 53.62	+10 37.2	0.924	1.852	17.8	19.3
5 31	14 48.75	+ 9 22.2	0.973	1.866	20.6	19.5
6 10	14 46.64	+ 7 35.0	1.037	1.881	23.3	19.8

499743 2011 BQ_{74} 5 8.5 252°.58 7°.5/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 27.25	− 0 13.1	1.975	2.803	13.7	21.7
4 11	15 23.06	+ 1 12.6	1.888	2.787	11.1	21.5
4 21	15 16.74	+ 2 36.7	1.825	2.770	8.7	21.3
5 1	15 8.81	+ 3 52.1	1.788	2.753	7.5	21.2
5 11	15 0.13	+ 4 52.0	1.776	2.735	8.3	21.2
5 21	14 51.62	+ 5 31.0	1.791	2.717	10.6	21.3
5 31	14 44.17	+ 5 46.4	1.828	2.698	13.5	21.4
6 10	14 38.51	+ 5 38.2	1.886	2.679	16.2	21.6

98154 2000 SE_{69} 5 8.5 218°.60 1°.6/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.83	−22 14.3	1.826	2.630	15.6	20.0
4 11	15 27.83	−22 19.5	1.732	2.623	12.3	19.7
4 21	15 20.13	−22 13.7	1.659	2.615	8.5	19.5
5 1	15 10.37	−21 56.4	1.610	2.606	4.3	19.2
5 11	14 59.60	−21 29.1	1.589	2.597	1.8	19.0
5 21	14 49.01	−20 55.3	1.596	2.587	5.7	19.2
5 31	14 39.78	−20 20.1	1.628	2.577	10.0	19.5
6 10	14 32.82	−19 49.1	1.684	2.566	13.9	19.7

300126 2006 VC_{25} 5 8.5 169°.07 1°.8/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.78	−11 55.3	2.364	3.182	12.0	20.6
4 11	15 23.07	−11 49.3	2.280	3.182	9.3	20.4
4 21	15 16.51	−11 41.0	2.219	3.183	6.1	20.2
5 1	15 8.65	−11 32.2	2.185	3.183	2.9	20.0
5 11	15 0.21	−11 25.4	2.179	3.184	2.2	20.0
5 21	14 51.99	−11 22.6	2.202	3.184	5.3	20.2
5 31	14 44.73	−11 25.9	2.252	3.185	8.5	20.4
6 10	14 39.04	−11 36.8	2.326	3.185	11.4	20.6

203244 2001 ON_{100} 5 8.5 246°.23 3°.8/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.13	− 9 57.5	1.676	2.505	15.6	21.1
4 11	15 27.40	− 9 21.3	1.581	2.489	12.3	20.8
4 21	15 19.92	− 8 41.0	1.507	2.472	8.4	20.5
5 1	15 10.32	− 8 0.7	1.458	2.454	4.7	20.3
5 11	14 59.61	− 7 25.6	1.436	2.435	4.5	20.2
5 21	14 49.01	− 7 0.6	1.440	2.416	8.3	20.4
5 31	14 39.73	− 6 50.0	1.470	2.396	12.6	20.6
6 10	14 32.72	− 6 55.8	1.521	2.376	16.6	20.8

389672 2011 PC_{11} 5 8.5 243°.64 5°.2/12.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.93	−33 17.1	2.455	3.204	13.5	21.6
4 11	15 25.98	−33 52.7	2.350	3.192	11.4	21.4
4 21	15 18.73	−34 15.1	2.266	3.180	8.9	21.2
5 1	15 9.73	−34 21.6	2.206	3.168	6.5	21.0
5 11	14 59.82	−34 11.2	2.174	3.155	5.2	20.9
5 21	14 49.99	−33 45.1	2.169	3.142	6.1	20.9
5 31	14 41.22	−33 7.2	2.191	3.129	8.4	21.1
6 10	14 34.32	−32 22.9	2.238	3.115	11.1	21.2

254600 2005 GE_{102} 5 8.5 246°.17 4°.9/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.18	− 9 45.7	1.772	2.608	14.6	20.8
4 11	15 23.25	− 8 15.2	1.684	2.596	11.4	20.6
4 21	15 16.96	− 6 37.2	1.620	2.585	7.9	20.4
5 1	15 8.93	− 4 58.2	1.581	2.572	5.2	20.2
5 11	15 0.11	− 3 26.3	1.570	2.560	5.8	20.2
5 21	14 51.53	− 2 9.0	1.585	2.547	9.0	20.3
5 31	14 44.18	− 1 11.9	1.625	2.533	12.8	20.5
6 10	14 38.83	− 0 37.7	1.686	2.520	16.2	20.7

54581 2000 QW_{170} 5 8.5 238°.34 0°.6/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 18.69	−21 41.4	4.700	5.488	6.9	19.8
4 11	15 15.31	−21 28.6	4.599	5.482	5.4	19.6
4 21	15 11.06	−21 10.8	4.523	5.476	3.6	19.5
5 1	15 6.19	−20 48.9	4.475	5.471	1.8	19.4
5 11	15 1.07	−20 24.0	4.457	5.465	0.7	19.3
5 21	14 56.03	−19 57.5	4.469	5.459	2.4	19.4
5 31	14 51.44	−19 31.1	4.510	5.453	4.3	19.5
6 10	14 47.57	−19 6.5	4.578	5.447	6.0	19.7

217643 1997 WN_{10} 5 8.5 167°.84 0°.4/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.76	−20 53.6	2.390	3.187	12.5	21.7
4 11	15 24.58	−20 26.1	2.303	3.193	9.8	21.5
4 21	15 17.49	−19 48.8	2.240	3.198	6.5	21.3
5 1	15 9.06	−19 3.3	2.203	3.202	2.9	21.0
5 11	15 0.10	−18 12.6	2.196	3.205	0.9	20.9
5 21	14 51.43	−17 20.3	2.218	3.207	4.6	21.2
5 31	14 43.83	−16 31.1	2.268	3.209	8.0	21.4
6 10	14 37.90	−15 48.7	2.343	3.210	11.0	21.6

302209 2001 UP_{148} 5 8.5 258°.02 0°.6/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.01	−18 24.2	2.315	3.129	12.4	21.1
4 11	15 21.09	−17 43.0	2.219	3.119	9.6	20.9
4 21	15 15.30	−16 52.6	2.145	3.109	6.3	20.7
5 1	15 8.15	−15 55.2	2.099	3.099	2.7	20.5
5 11	15 0.41	−14 54.5	2.081	3.089	1.3	20.3
5 21	14 52.85	−13 55.0	2.091	3.078	5.0	20.6
5 31	14 46.25	−13 1.3	2.128	3.068	8.6	20.8
6 10	14 41.23	−12 17.3	2.190	3.057	11.7	20.9

343142 2009 FE_{40} 5 8.5 84°.20 0°.1/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 29.17	−17 8.8	2.214	3.024	13.0	21.3
4 11	15 24.17	−17 9.4	2.144	3.041	10.0	21.1
4 21	15 17.23	−17 4.2	2.096	3.058	6.6	20.9
5 1	15 8.95	−16 54.3	2.076	3.075	2.8	20.7
5 11	15 0.16	−16 41.7	2.083	3.092	1.0	20.6
5 21	14 51.73	−16 29.0	2.119	3.109	4.7	20.9
5 31	14 44.43	−16 18.9	2.182	3.125	8.2	21.1
6 10	14 38.87	−16 14.2	2.270	3.142	11.2	21.4

199690 2006 HG_{22} 5 8.5 121°.80 1°.9/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.13	−13 56.9	2.031	2.855	13.5	21.2
4 11	15 22.81	−13 22.2	1.954	2.861	10.4	21.0
4 21	15 16.45	−12 41.8	1.900	2.866	6.8	20.8
5 1	15 8.65	−11 58.7	1.871	2.871	3.2	20.6
5 11	15 0.27	−11 17.1	1.871	2.876	2.5	20.5
5 21	14 52.21	−10 40.9	1.898	2.880	6.0	20.8
5 31	14 45.29	−10 13.9	1.951	2.885	9.6	21.0
6 10	14 40.17	− 9 58.4	2.028	2.889	12.7	21.2

348901 2006 SU_{360} 5 8.5 172°.47 0°.2/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.33	−18 18.6	2.662	3.462	11.3	21.9
4 11	15 23.35	−18 22.2	2.573	3.464	8.8	21.7
4 21	15 16.65	−18 20.3	2.507	3.466	5.8	21.6
5 1	15 8.72	−18 13.5	2.469	3.467	2.6	21.3
5 11	15 0.25	−18 3.2	2.459	3.468	0.8	21.2
5 21	14 51.97	−17 51.4	2.480	3.469	4.1	21.4
5 31	14 44.57	−17 40.8	2.528	3.470	7.3	21.6
6 10	14 38.63	−17 33.7	2.602	3.470	10.0	21.8

332711 2009 SE_{77} 5 8.5 315°.77 1°.7/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.07	−13 28.8	1.586	2.422	16.1	21.1
4 11	15 25.11	−13 25.2	1.502	2.414	12.5	20.8
4 21	15 18.43	−13 17.2	1.438	2.407	8.3	20.6
5 1	15 9.67	−13 6.8	1.399	2.399	3.8	20.3
5 11	14 59.91	−12 57.4	1.385	2.392	2.4	20.2
5 21	14 50.36	−12 52.2	1.397	2.385	6.9	20.4
5 31	14 42.23	−12 54.6	1.433	2.378	11.4	20.7
6 10	14 36.41	−13 7.3	1.492	2.372	15.4	20.9

61850 2000 QZ_{202} 5 8.5 219°.26 0°.0/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.61	−18 6.1	1.965	2.780	14.2	19.9
4 11	15 25.01	−18 0.2	1.876	2.776	11.1	19.7
4 21	15 18.08	−17 46.6	1.809	2.771	7.4	19.4
5 1	15 9.44	−17 26.4	1.767	2.767	3.2	19.2
5 11	15 0.01	−17 2.0	1.753	2.762	1.1	19.0
5 21	14 50.79	−16 36.7	1.767	2.757	5.4	19.3
5 31	14 42.78	−16 14.6	1.807	2.752	9.4	19.5
6 10	14 36.73	−15 59.3	1.870	2.746	13.0	19.7

51431 Jayardee 5 8.5 331°.51 0°.4/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.96	−18 12.9	1.305	2.151	18.3	18.6
4 11	15 24.18	−18 23.3	1.222	2.138	14.4	18.3
4 21	15 18.21	−18 24.4	1.157	2.127	9.7	18.0
5 1	15 9.70	−18 16.8	1.115	2.116	4.4	17.7
5 11	14 59.89	−18 2.9	1.096	2.106	1.4	17.4
5 21	14 50.26	−17 46.8	1.101	2.096	7.1	17.7
5 31	14 42.30	−17 33.7	1.130	2.088	12.4	18.0
6 10	14 37.10	−17 28.7	1.178	2.080	17.1	18.2

190082 2004 TP_{51} 5 8.5 212°.62 0°.6/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.14	−20 39.5	2.400	3.199	12.5	21.6
4 11	15 24.25	−20 26.4	2.302	3.191	9.8	21.4
4 21	15 17.39	−20 4.5	2.226	3.184	6.6	21.2
5 1	15 9.10	−19 34.6	2.177	3.175	3.0	20.9
5 11	15 0.13	−18 58.9	2.157	3.166	1.0	20.7
5 21	14 51.34	−18 20.5	2.166	3.157	4.6	21.0
5 31	14 43.53	−17 43.4	2.203	3.147	8.1	21.2
6 10	14 37.37	−17 11.5	2.265	3.136	11.2	21.4

116412 2003 YC_{139} 5 8.5 249°.54 0°.3/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.11	−18 39.2	1.877	2.693	14.8	20.6
4 11	15 25.64	−18 15.7	1.775	2.676	11.6	20.4
4 21	15 18.67	−17 41.9	1.696	2.659	7.7	20.1
5 1	15 9.77	−16 59.1	1.641	2.641	3.4	19.8
5 11	14 59.89	−16 10.9	1.614	2.623	1.3	19.6
5 21	14 50.12	−15 21.9	1.614	2.604	5.9	19.9
5 31	14 41.57	−14 37.5	1.641	2.584	10.3	20.1
6 10	14 35.08	−14 2.7	1.691	2.564	14.3	20.3

288691 2004 QE 5 8.5 200°.72 0°.6/ 8.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.13	−17 44.3	1.830	2.645	15.1	22.1
4 11	15 27.10	−17 21.8	1.741	2.641	11.8	21.8
4 21	15 19.54	−16 50.1	1.674	2.637	7.8	21.6
5 1	15 10.10	−16 10.9	1.632	2.632	3.4	21.3
5 11	14 59.80	−15 27.7	1.618	2.627	1.5	21.1
5 21	14 49.77	−14 45.2	1.632	2.621	6.0	21.4
5 31	14 41.08	−14 8.4	1.672	2.614	10.3	21.7
6 10	14 34.54	−13 41.6	1.735	2.606	14.1	21.9

357008 1999 TJ_{74} 5 8.5 293°.60 3°.6/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 28.11	−27 39.6	2.263	3.046	13.6	21.0
4 11	15 23.88	−28 6.8	2.158	3.030	11.1	20.8
4 21	15 17.40	−28 23.0	2.075	3.015	8.2	20.6
5 1	15 9.20	−28 26.5	2.016	2.999	5.2	20.3
5 11	15 0.09	−28 17.1	1.985	2.983	3.6	20.2
5 21	14 51.04	−27 56.6	1.981	2.968	5.4	20.3
5 31	14 43.02	−27 28.6	2.004	2.952	8.5	20.4
6 10	14 36.82	−26 58.0	2.051	2.937	11.6	20.6

369069 2008 ET_{160} 5 8.5 204°.28 1°.5/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.26	−22 0.5	1.907	2.712	15.0	21.8
4 11	15 26.44	−22 3.8	1.817	2.709	11.8	21.6
4 21	15 19.11	−21 56.7	1.749	2.706	8.1	21.3
5 1	15 9.93	−21 38.9	1.706	2.702	4.0	21.1
5 11	14 59.86	−21 12.3	1.690	2.698	1.7	20.9
5 21	14 50.04	−20 40.2	1.701	2.693	5.4	21.1
5 31	14 41.51	−20 7.4	1.739	2.688	9.5	21.4
6 10	14 35.11	−19 38.8	1.801	2.683	13.1	21.6

149819 2005 NJ 5 8.5 204°.42 5°.0/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.42	−37 37.6	3.155	3.869	11.5	21.2
4 11	15 24.27	−37 55.0	3.051	3.864	9.8	21.1
4 21	15 17.31	−37 58.8	2.967	3.858	7.9	21.0
5 1	15 9.04	−37 47.1	2.909	3.851	6.1	20.8
5 11	15 0.17	−37 19.8	2.878	3.844	5.1	20.7
5 21	14 51.47	−36 38.4	2.875	3.837	5.4	20.8
5 31	14 43.68	−35 46.4	2.900	3.829	7.0	20.8
6 10	14 37.40	−34 48.3	2.952	3.821	9.0	21.0

36471 2000 QK_{26} 5 8.5 307°.12 1°.5/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.13	−21 30.9	1.624	2.448	16.3	18.4
4 11	15 23.85	−21 34.9	1.525	2.428	13.0	18.1
4 21	15 17.78	−21 27.5	1.446	2.408	8.9	17.8
5 1	15 9.48	−21 8.3	1.391	2.388	4.4	17.5
5 11	15 0.00	−20 39.4	1.361	2.369	1.7	17.3
5 21	14 50.57	−20 4.5	1.356	2.350	6.1	17.5
5 31	14 42.49	−19 29.2	1.377	2.332	10.9	17.7
6 10	14 36.75	−18 59.4	1.419	2.314	15.2	17.9

74698 1999 RZ_{142} 5 8.5 290°.25 2°.9/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.09	−13 48.9	1.492	2.335	16.5	19.3
4 11	15 23.83	−13 2.7	1.400	2.316	12.9	19.0
4 21	15 17.74	−12 6.9	1.328	2.298	8.6	18.7
5 1	15 9.45	−11 5.7	1.280	2.280	4.2	18.4
5 11	15 0.02	−10 5.3	1.258	2.262	3.7	18.3
5 21	14 50.74	− 9 12.7	1.260	2.244	8.2	18.5
5 31	14 42.86	− 8 34.2	1.286	2.226	13.0	18.7
6 10	14 37.37	− 8 13.9	1.333	2.208	17.3	19.0

471622 2012 TP_{17} 5 8.5 238°.67 1°.8/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.39	−14 24.4	2.164	2.985	12.8	21.9
4 11	15 22.25	−13 45.2	2.072	2.978	9.9	21.7
4 21	15 16.13	−12 59.6	2.004	2.970	6.5	21.5
5 1	15 8.56	−12 10.3	1.963	2.962	3.0	21.2
5 11	15 0.35	−11 21.4	1.949	2.954	2.4	21.2
5 21	14 52.34	−10 37.3	1.964	2.946	5.8	21.4
5 31	14 45.36	−10 1.8	2.005	2.937	9.4	21.6
6 10	14 40.05	− 9 37.9	2.069	2.928	12.6	21.8

334796 2003 SG_{188} 5 8.5 180°.20 2°.1/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.55	−26 2.4	2.433	3.216	12.7	21.5
4 11	15 23.78	−25 50.9	2.341	3.218	10.2	21.3
4 21	15 17.05	−25 27.4	2.272	3.218	7.2	21.1
5 1	15 8.94	−24 52.0	2.228	3.218	4.0	20.9
5 11	15 0.24	−24 6.8	2.213	3.218	2.1	20.8
5 21	14 51.79	−23 15.0	2.227	3.217	4.4	21.0
5 31	14 44.40	−22 21.3	2.268	3.216	7.6	21.2
6 10	14 38.68	−21 30.4	2.335	3.215	10.6	21.3

88094 2000 WT_{55} 5 8.5 225°.54 5°.9/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.10	−39 3.4	2.836	3.549	12.7	18.7
4 11	15 24.32	−39 27.9	2.733	3.542	10.9	18.5
4 21	15 17.49	−39 37.3	2.651	3.535	8.9	18.4
5 1	15 9.17	−39 29.0	2.593	3.528	7.1	18.2
5 11	15 0.15	−39 2.5	2.561	3.521	6.0	18.1
5 21	14 51.30	−38 19.4	2.556	3.513	6.3	18.2
5 31	14 43.47	−37 23.4	2.578	3.505	7.8	18.2
6 10	14 37.35	−36 19.9	2.625	3.497	9.9	18.4

3415 Danby 5 8.5 207°.36 0°.1/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 21.75	−19 17.5	4.100	4.893	7.8	18.0
4 11	15 17.77	−19 2.5	3.999	4.887	6.0	17.8
4 21	15 12.74	−18 42.7	3.923	4.881	4.0	17.7
5 1	15 6.98	−18 19.0	3.876	4.874	1.8	17.5
5 11	15 0.91	−17 52.9	3.859	4.868	0.6	17.4
5 21	14 54.94	−17 26.1	3.872	4.861	2.8	17.6
5 31	14 49.48	−17 0.4	3.914	4.854	5.0	17.7
6 10	14 44.90	−16 37.8	3.983	4.846	7.0	17.8

80010 1999 GQ_2 5 8.5 98°.82 4°.2/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 28.19	−31 10.1	2.228	2.998	14.2	19.4
4 11	15 23.78	−31 17.6	2.143	3.004	11.6	19.3
4 21	15 17.18	−31 10.0	2.079	3.010	8.7	19.1
5 1	15 9.03	−30 46.1	2.040	3.015	5.8	18.9
5 11	15 0.22	−30 6.9	2.027	3.021	4.2	18.8
5 21	14 51.72	−29 15.8	2.041	3.026	5.4	18.9
5 31	14 44.44	−28 17.7	2.083	3.032	8.2	19.1
6 10	14 39.06	−27 18.8	2.149	3.037	11.1	19.3

401912 2001 UG_{108} 5 8.5 220°.93 0°.3/ 8.3 14 C

4 1	15 33.41	−17 40.8	1.894	2.704	14.8	23.2
4 11	15 28.14	−17 28.3	1.796	2.694	11.6	22.9
4 21	15 20.30	−17 7.3	1.720	2.682	7.8	22.7
5 1	15 10.49	−16 39.0	1.670	2.670	3.4	22.4
5 11	14 59.70	−16 6.3	1.648	2.657	1.3	22.2
5 21	14 49.06	−15 32.9	1.654	2.643	5.9	22.5
5 31	14 39.69	−15 3.6	1.687	2.628	10.3	22.7
6 10	14 32.45	−14 42.6	1.743	2.612	14.1	22.9

437428 2013 XS_{22} 5 8.5 200°.73 5°.9/ 3.8 18

4 1	15 28.63	+ 0 29.6	2.462	3.275	11.8	21.2
4 11	15 23.60	+ 1 17.0	2.382	3.271	9.5	21.1
4 21	15 16.83	+ 2 0.2	2.325	3.266	7.3	20.9
5 1	15 8.83	+ 2 34.8	2.295	3.261	6.0	20.8
5 11	15 0.30	+ 2 56.9	2.293	3.255	6.4	20.9
5 21	14 51.98	+ 3 3.8	2.318	3.249	8.3	21.0
5 31	14 44.58	+ 2 54.3	2.368	3.242	10.6	21.1
6 10	14 38.67	+ 2 28.9	2.441	3.235	12.9	21.2

238716 2005 GM_{45} 5 8.5 322°.71 1°.9/ 7.5 18

4 1	15 29.42	−11 51.0	1.994	2.817	13.7	20.0
4 11	15 24.74	−11 51.7	1.910	2.815	10.6	19.8
4 21	15 17.86	−11 50.2	1.848	2.814	7.0	19.6
5 1	15 9.35	−11 48.5	1.813	2.812	3.3	19.4
5 11	15 0.12	−11 49.0	1.805	2.810	2.4	19.3
5 21	14 51.11	−11 53.7	1.824	2.808	6.0	19.5
5 31	14 43.25	−12 5.0	1.870	2.807	9.7	19.7
6 10	14 37.25	−12 24.4	1.939	2.806	13.0	19.9

35942 1999 JP_{132} 5 8.5 62°.40 0°.8/ 8.0 18

4 1	15 29.04	−18 27.6	1.352	2.191	18.1	19.3
4 11	15 25.29	−17 52.2	1.286	2.200	14.1	19.1
4 21	15 18.56	−17 4.0	1.240	2.209	9.3	18.8
5 1	15 9.71	−16 6.5	1.217	2.218	4.0	18.5
5 11	15 0.03	−15 5.5	1.219	2.228	1.8	18.4
5 21	14 50.90	−14 7.9	1.246	2.237	7.1	18.7
5 31	14 43.57	−13 20.6	1.297	2.247	11.9	19.0
6 10	14 38.83	−12 48.4	1.369	2.257	16.1	19.3

134251 2006 AN_{34} 5 8.5 286°.19 5°.9/28.6 18

4 1	15 18.27	+12 29.7	4.276	5.060	7.6	19.4
4 11	15 15.05	+13 25.8	4.209	5.053	6.7	19.3
4 21	15 10.93	+14 15.0	4.166	5.046	6.1	19.3
5 1	15 6.19	+14 54.3	4.149	5.039	5.9	19.3
5 11	15 1.20	+15 21.4	4.158	5.033	6.3	19.3
5 21	14 56.31	+15 35.0	4.192	5.026	7.2	19.3
5 31	14 51.88	+15 34.5	4.249	5.019	8.2	19.4
6 10	14 48.22	+15 20.6	4.326	5.012	9.2	19.5

294555 2007 YZ_{28} 5 8.5 215°.98 0°.5/ 8.1 17

4 1	15 26.78	−16 55.0	2.230	3.046	12.7	21.4
4 11	15 22.51	−16 40.1	2.143	3.044	9.8	21.2
4 21	15 16.27	−16 18.6	2.079	3.043	6.5	21.0
5 1	15 8.64	−15 52.2	2.041	3.041	2.8	20.8
5 11	15 0.38	−15 23.7	2.031	3.040	1.2	20.6
5 21	14 52.35	−14 56.1	2.049	3.038	5.0	20.9
5 31	14 45.34	−14 33.0	2.094	3.036	8.5	21.1
6 10	14 40.00	−14 17.3	2.163	3.034	11.7	21.3

236521 2006 HG_3 5 8.5 225°.61 2°.7/ 6.4 18

4 1	15 26.34	−12 13.2	2.085	2.911	13.1	21.3
4 11	15 22.24	−11 27.3	1.999	2.907	10.1	21.1
4 21	15 16.13	−10 36.3	1.937	2.903	6.7	20.9
5 1	15 8.58	− 9 43.7	1.902	2.899	3.5	20.6
5 11	15 0.40	− 8 54.0	1.894	2.895	3.3	20.6
5 21	14 52.46	− 8 11.7	1.913	2.890	6.4	20.8
5 31	14 45.59	− 7 40.6	1.959	2.885	9.9	21.0
6 10	14 40.44	− 7 23.1	2.027	2.880	13.1	21.2

512914 2016 XF_5 5 8.5 146°.60 0°.0/ 8.4 18

4 1	15 22.11	−18 34.6	4.031	4.825	7.9	22.7
4 11	15 18.00	−18 20.8	3.944	4.833	6.1	22.6
4 21	15 12.87	−18 2.7	3.883	4.841	4.0	22.4
5 1	15 7.04	−17 41.1	3.850	4.849	1.7	22.3
5 11	15 0.93	−17 17.7	3.848	4.857	0.6	22.2
5 21	14 54.97	−16 53.9	3.876	4.864	2.9	22.4
5 31	14 49.56	−16 31.7	3.933	4.871	5.0	22.5
6 10	14 45.04	−16 12.8	4.016	4.878	6.9	22.7

416379 2003 TU_{55} 5 8.5 224°.94 1°.8/ 7.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.90	−13 43.4	1.828	2.649	14.9	22.4
4 11	15 26.97	−13 28.0	1.737	2.641	11.6	22.1
4 21	15 19.51	−13 7.4	1.667	2.632	7.7	21.9
5 1	15 10.15	−12 43.8	1.623	2.623	3.5	21.6
5 11	14 59.86	−12 20.5	1.606	2.613	2.4	21.5
5 21	14 49.75	−12 1.3	1.617	2.602	6.5	21.7
5 31	14 40.92	−11 49.8	1.654	2.591	10.7	21.9
6 10	14 34.20	−11 49.0	1.714	2.579	14.5	22.1

492326 2014 DD_6 5 8.5 160°.46 13°.6/16.5 18

4 1	15 43.45	−46 21.8	1.468	2.177	22.7	21.5
4 11	15 38.21	−47 52.7	1.393	2.183	20.4	21.3
4 21	15 28.20	−48 56.3	1.333	2.188	17.8	21.2
5 1	15 14.30	−49 21.6	1.291	2.192	15.4	21.0
5 11	14 58.45	−49 1.7	1.269	2.196	13.8	20.9
5 21	14 43.15	−47 56.9	1.268	2.198	13.7	20.9
5 31	14 30.72	−46 16.6	1.290	2.201	15.2	21.0
6 10	14 22.59	−44 16.2	1.331	2.202	17.5	21.2

85025 2544 $P\text{–}L$ 5 8.5 238°.49 3°.7/10.9 17

4 1	15 30.15	−28 17.5	2.435	3.206	13.0	20.2
4 11	15 25.26	−28 46.8	2.333	3.198	10.6	20.0
4 21	15 18.22	−29 5.3	2.255	3.190	7.9	19.8
5 1	15 9.55	−29 11.3	2.201	3.181	5.1	19.7
5 11	15 0.06	−29 4.6	2.176	3.172	3.7	19.5
5 21	14 50.68	−28 46.8	2.178	3.162	5.2	19.6
5 31	14 42.31	−28 21.2	2.208	3.153	8.0	19.8
6 10	14 35.69	−27 52.6	2.263	3.143	10.9	19.9

522305 2016 BF_{100} 5 8.5 36°.07 3°.8/ 6.3 17

4 1	15 26.51	−12 38.0	1.319	2.172	17.7	21.2
4 11	15 23.29	−11 38.2	1.257	2.179	13.6	21.0
4 21	15 17.21	−10 30.6	1.216	2.187	9.0	20.7
5 1	15 9.12	− 9 21.7	1.197	2.196	4.7	20.5
5 11	15 0.26	− 8 18.9	1.203	2.205	4.6	20.5
5 21	14 51.93	− 7 29.4	1.233	2.214	8.7	20.8
5 31	14 45.29	− 6 58.2	1.287	2.224	13.1	21.0
6 10	14 41.14	− 6 47.4	1.360	2.235	17.0	21.3

54645 2000 SR_{284} 5 8.5 308°.93 0°.5/ 9.2 18

4 1	15 18.74	−21 50.4	4.207	4.998	7.6	19.4
4 11	15 15.48	−21 23.7	4.106	4.992	5.9	19.2
4 21	15 11.25	−20 51.1	4.031	4.986	4.0	19.1
5 1	15 6.35	−20 13.6	3.983	4.980	1.9	18.9
5 11	15 1.17	−19 32.7	3.965	4.974	0.6	18.8
5 21	14 56.11	−18 50.5	3.978	4.969	2.7	19.0
5 31	14 51.54	−18 9.2	4.019	4.963	4.8	19.1
6 10	14 47.80	−17 30.9	4.087	4.957	6.7	19.2

56625 2000 JW_{77} 5 8.5 348°.21 4°.2/10.8 18

4 1	15 26.58	−27 50.1	1.206	2.035	20.5	18.2
4 11	15 24.24	−27 53.0	1.130	2.031	16.6	17.9
4 21	15 18.39	−27 33.6	1.071	2.027	12.1	17.6
5 1	15 9.82	−26 50.1	1.033	2.024	7.2	17.3
5 11	15 0.00	−25 45.1	1.017	2.022	4.2	17.1
5 21	14 50.59	−24 25.5	1.025	2.020	7.3	17.3
5 31	14 43.18	−23 2.0	1.055	2.019	12.3	17.6
6 10	14 38.85	−21 45.5	1.105	2.019	17.1	17.8

326959 2004 HP_1 5 8.5 135°.17 0°.0/ 8.3 17

4 1	15 48.89	−12 21.6	1.247	2.064	20.7	20.1
4 11	15 41.35	−13 36.6	1.174	2.074	16.2	19.8
4 21	15 29.70	−14 54.6	1.121	2.084	10.9	19.5
5 1	15 14.80	−16 12.7	1.093	2.093	4.8	19.2
5 11	14 58.33	−17 27.4	1.092	2.101	1.6	19.0
5 21	14 42.32	−18 36.0	1.118	2.108	7.8	19.4
5 31	14 28.70	−19 38.9	1.170	2.115	13.4	19.7
6 10	14 18.71	−20 38.7	1.245	2.122	18.1	20.0

375763 2009 SN_{125} 5 8.5 283°.57 3°.9/10.6 17

4 1	15 30.10	−26 43.9	1.717	2.518	16.5	21.1
4 11	15 26.12	−27 8.3	1.621	2.505	13.4	20.8
4 21	15 19.27	−27 19.0	1.544	2.492	9.8	20.6
5 1	15 10.16	−27 13.9	1.491	2.479	6.0	20.3
5 11	14 59.87	−26 52.9	1.464	2.465	3.9	20.1
5 21	14 49.68	−26 18.8	1.462	2.452	6.3	20.3
5 31	14 40.92	−25 37.1	1.486	2.439	10.4	20.5
6 10	14 34.56	−24 54.9	1.532	2.426	14.3	20.7

139566 2001 QR_{77} 5 8.5 165°.76 2°.3/ 6.1 18

4 1	15 25.00	−12 27.4	2.804	3.618	10.4	20.2
4 11	15 20.60	−11 25.6	2.721	3.623	8.0	20.0
4 21	15 14.75	−10 19.2	2.664	3.627	5.3	19.9
5 1	15 7.90	− 9 11.6	2.634	3.630	2.8	19.7
5 11	15 0.67	− 8 6.5	2.635	3.633	2.8	19.7
5 21	14 53.67	− 7 7.9	2.665	3.636	5.3	19.9
5 31	14 47.49	− 6 19.1	2.723	3.638	7.9	20.0
6 10	14 42.59	− 5 42.1	2.806	3.640	10.4	20.2

134257 2006 AY_{93} 5 8.5 58°.65 3°.2/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.63	−25 44.9	1.716	2.519	16.5	19.7
4 11	15 26.07	−26 4.7	1.650	2.536	13.1	19.5
4 21	15 18.87	−26 10.8	1.603	2.553	9.3	19.3
5 1	15 9.82	−26 2.2	1.581	2.570	5.4	19.1
5 11	15 0.04	−25 40.3	1.584	2.588	3.2	19.0
5 21	14 50.74	−25 8.7	1.614	2.606	5.7	19.2
5 31	14 43.01	−24 32.9	1.670	2.623	9.5	19.4
6 10	14 37.60	−23 58.6	1.749	2.641	12.9	19.7

331187 2011 AU_{56} 5 8.5 99°.08 15°.7/25.0 16

4 1	15 33.37	+30 43.0	2.077	2.785	16.9	21.2
4 11	15 27.42	+32 28.4	2.068	2.809	16.1	21.2
4 21	15 19.31	+33 45.8	2.077	2.832	15.7	21.2
5 1	15 9.84	+34 28.6	2.104	2.855	15.8	21.3
5 11	15 0.07	+34 33.6	2.149	2.877	16.2	21.3
5 21	14 50.99	+34 1.7	2.210	2.899	16.8	21.4
5 31	14 43.42	+32 56.7	2.287	2.920	17.6	21.5
6 10	14 37.92	+31 24.8	2.377	2.941	18.4	21.7

368237 2001 UZ_{114} 5 8.5 170°.36 0°.8/ 7.9 17

4 1	15 29.25	−17 28.4	2.279	3.087	12.7	22.0
4 11	15 24.29	−16 54.2	2.194	3.091	9.8	21.8
4 21	15 17.38	−16 12.1	2.132	3.094	6.5	21.6
5 1	15 9.11	−15 24.2	2.097	3.097	2.8	21.4
5 11	15 0.28	−14 34.1	2.092	3.100	1.4	21.3
5 21	14 51.73	−13 45.7	2.115	3.101	5.1	21.5
5 31	14 44.27	−13 3.4	2.165	3.102	8.6	21.7
6 10	14 38.49	−12 30.3	2.241	3.102	11.7	21.9

1208 Troilus 5 8.5 253°.12 0°.1/ 8.4 18

4 1	15 22.87	−16 11.2	4.658	5.450	6.9	16.5
4 11	15 18.51	−16 22.7	4.556	5.444	5.3	16.4
4 21	15 13.19	−16 31.9	4.480	5.438	3.5	16.3
5 1	15 7.21	−16 39.2	4.433	5.432	1.5	16.1
5 11	15 0.92	−16 45.4	4.417	5.426	0.5	16.0
5 21	14 54.69	−16 51.4	4.432	5.420	2.6	16.2
5 31	14 48.88	−16 58.0	4.477	5.413	4.5	16.3
6 10	14 43.84	−17 6.4	4.549	5.407	6.3	16.4

363254 2002 CB_{124} 5 8.5 50°.77 2°.6/ 7.2 18

4 1	15 29.39	−14 10.3	1.225	2.076	18.9	20.7
4 11	15 25.65	−13 34.2	1.171	2.091	14.5	20.5
4 21	15 18.81	−12 50.3	1.136	2.107	9.5	20.2
5 1	15 9.83	−12 3.3	1.123	2.123	4.4	20.0
5 11	15 0.08	−11 19.5	1.134	2.140	3.4	20.0
5 21	14 51.02	−10 44.9	1.170	2.157	8.1	20.3
5 31	14 43.88	−10 24.6	1.228	2.174	12.8	20.6
6 10	14 39.45	−10 20.8	1.306	2.192	16.9	20.9

3160 Angerhofer 5 8.5 318°.24 4°.5/10.8 18

4 1	15 27.07	−27 13.2	1.354	2.176	19.1	16.8
4 11	15 24.51	−27 37.7	1.264	2.160	15.6	16.5
4 21	15 18.60	−27 44.8	1.192	2.145	11.5	16.2
5 1	15 10.00	−27 31.8	1.141	2.130	7.1	15.9
5 11	14 59.94	−26 58.7	1.113	2.116	4.5	15.8
5 21	14 50.01	−26 9.3	1.109	2.102	7.3	15.9
5 31	14 41.79	−25 11.3	1.128	2.089	12.1	16.1
6 10	14 36.48	−24 14.3	1.167	2.077	16.6	16.3

522657 2016 GS_{263} 5 8.5 323°.54 3°.3/ 5.9 17

4 1	15 22.03	−16 57.6	1.417	2.267	16.8	20.8
4 11	15 19.97	−15 15.5	1.327	2.249	13.0	20.5
4 21	15 15.19	−13 14.0	1.259	2.232	8.6	20.2
5 1	15 8.35	−11 0.1	1.216	2.216	4.3	19.9
5 11	15 0.54	− 8 44.1	1.198	2.200	4.4	19.9
5 21	14 52.98	− 6 38.1	1.205	2.185	9.0	20.1
5 31	14 46.87	− 4 53.0	1.236	2.171	13.8	20.3
6 10	14 43.08	− 3 35.1	1.287	2.157	18.1	20.6

291507 2006 DE_{178} 5 8.5 311°.61 3°.5/ 6.7 17

4 1	15 26.10	−12 37.1	1.251	2.108	18.2	20.3
4 11	15 23.61	−11 59.3	1.165	2.089	14.3	20.0
4 21	15 17.92	−11 13.1	1.098	2.070	9.6	19.7
5 1	15 9.67	−10 23.2	1.052	2.052	4.9	19.4
5 11	15 0.07	− 9 36.3	1.030	2.034	4.3	19.3
5 21	14 50.60	− 8 59.6	1.032	2.017	9.2	19.5
5 31	14 42.74	− 8 39.3	1.055	2.001	14.4	19.7
6 10	14 37.62	− 8 39.1	1.097	1.985	19.2	20.0

35695 1999 CE_{57} 5 8.5 326°.29 5°.0/10.6 18

4 1	15 27.59	−26 16.5	1.213	2.045	20.3	17.9
4 11	15 25.28	−27 0.0	1.128	2.031	16.6	17.6
4 21	15 19.35	−27 28.0	1.061	2.017	12.2	17.3
5 1	15 10.40	−27 36.7	1.014	2.004	7.6	17.0
5 11	14 59.81	−27 24.8	0.989	1.992	5.0	16.8
5 21	14 49.32	−26 55.0	0.987	1.980	8.0	16.9
5 31	14 40.72	−26 14.6	1.007	1.970	12.9	17.1
6 10	14 35.33	−25 33.0	1.046	1.960	17.7	17.4

174788 2003 WN_{120} 5 8.5 248°.66 0°.3/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 32.37	−19 8.2	1.940	2.748	14.6	20.9
4 11	15 27.44	−19 2.7	1.833	2.729	11.5	20.6
4 21	15 19.94	−18 48.2	1.749	2.709	7.8	20.3
5 1	15 10.43	−18 25.3	1.689	2.688	3.5	20.0
5 11	14 59.83	−17 56.1	1.657	2.666	1.1	19.8
5 21	14 49.27	−17 23.9	1.654	2.644	5.7	20.1
5 31	14 39.87	−16 53.6	1.676	2.621	10.1	20.3
6 10	14 32.54	−16 29.6	1.723	2.597	14.0	20.5

184895 2005 UO_{255} 5 8.5 96°.41 0°.9/ 7.8 17

4 1	15 25.53	−16 6.2	2.470	3.284	11.7	20.7
4 11	15 21.26	−15 42.8	2.393	3.294	9.0	20.5
4 21	15 15.30	−15 13.8	2.339	3.303	5.9	20.3
5 1	15 8.19	−14 41.1	2.312	3.312	2.5	20.1
5 11	15 0.63	−14 7.7	2.314	3.322	1.4	20.0
5 21	14 53.34	−13 36.6	2.344	3.331	4.6	20.3
5 31	14 46.99	−13 10.8	2.402	3.340	7.8	20.5
6 10	14 42.11	−12 52.7	2.484	3.349	10.6	20.7

508690 2017 UT_{17} 5 8.5 157°.94 7°.0/ 2.0 17

4 1	15 25.61	− 3 1.1	1.941	2.775	13.6	21.0
4 11	15 21.69	− 1 5.3	1.873	2.777	10.9	20.9
4 21	15 15.76	+ 0 50.9	1.829	2.779	8.3	20.7
5 1	15 8.43	+ 2 39.4	1.811	2.781	7.0	20.6
5 11	15 0.56	+ 4 12.3	1.821	2.782	7.9	20.7
5 21	14 53.00	+ 5 23.5	1.857	2.783	10.3	20.8
5 31	14 46.59	+ 6 9.7	1.916	2.784	13.0	21.0
6 10	14 41.92	+ 6 30.9	1.996	2.785	15.6	21.2

85458 1997 HD_{8} 5 8.5 343°.64 0°.2/ 8.6 18

4 1	15 26.39	−18 7.9	2.107	2.924	13.3	19.1
4 11	15 22.40	−18 10.1	2.019	2.920	10.4	18.9
4 21	15 16.33	−18 5.7	1.954	2.917	6.9	18.7
5 1	15 8.74	−17 55.5	1.914	2.913	3.1	18.4
5 11	15 0.45	−17 41.6	1.901	2.911	1.0	18.3
5 21	14 52.35	−17 26.5	1.917	2.908	4.9	18.5
5 31	14 45.32	−17 13.5	1.958	2.906	8.7	18.8
6 10	14 40.05	−17 5.8	2.024	2.904	12.0	19.0

417468 2006 QT_{106} 5 8.5 204°.11 1°.1/ 7.7 17

4 1	15 30.49	−16 35.3	2.163	2.973	13.2	22.2
4 11	15 25.46	−16 1.1	2.069	2.968	10.3	22.0
4 21	15 18.29	−15 18.9	1.999	2.962	6.8	21.8
5 1	15 9.59	−14 30.8	1.955	2.955	3.0	21.5
5 11	15 0.18	−13 40.7	1.940	2.947	1.7	21.4
5 21	14 50.98	−12 52.8	1.954	2.939	5.5	21.6
5 31	14 42.89	−12 11.5	1.995	2.930	9.3	21.9
6 10	14 36.60	−11 40.5	2.060	2.920	12.6	22.0

439444 2013 WV_{24} 5 8.5 294°.94 15°.8/19.7 18

4 1	15 33.92	−49 43.9	1.135	1.869	26.9	20.3
4 11	15 31.92	−50 45.9	1.058	1.863	24.6	20.1
4 21	15 24.60	−51 8.9	0.993	1.857	21.8	19.9
5 1	15 12.88	−50 39.6	0.942	1.852	18.9	19.7
5 11	14 59.06	−49 9.3	0.908	1.846	16.6	19.5
5 21	14 46.04	−46 39.7	0.892	1.841	15.8	19.4
5 31	14 36.43	−43 25.2	0.897	1.836	17.1	19.5
6 10	14 31.61	−39 49.6	0.921	1.831	20.0	19.6

150867 2001 SS_{163} 5 8.5 284°.91 0°.1/ 8.4 17

4 1	15 27.45	−19 31.8	1.698	2.523	15.7	20.1
4 11	15 23.73	−19 4.0	1.612	2.517	12.2	19.9
4 21	15 17.46	−18 24.2	1.547	2.512	8.2	19.6
5 1	15 9.29	−17 34.7	1.506	2.506	3.6	19.3
5 11	15 0.27	−16 39.4	1.491	2.500	1.3	19.1
5 21	14 51.52	−15 43.9	1.503	2.495	6.0	19.4
5 31	14 44.13	−14 54.3	1.541	2.489	10.5	19.7
6 10	14 38.92	−14 15.6	1.600	2.484	14.4	19.9

507861 2014 HM_{154} 5 8.5 136°.97 3°.0/10.5 18

4 1	15 33.27	−26 21.3	2.841	3.604	11.6	21.7
4 11	15 27.21	−27 3.3	2.753	3.614	9.3	21.5
4 21	15 19.27	−27 37.0	2.688	3.624	6.8	21.4
5 1	15 9.98	−28 1.0	2.652	3.633	4.2	21.2
5 11	15 0.05	−28 14.8	2.644	3.641	3.0	21.1
5 21	14 50.29	−28 19.3	2.667	3.650	4.4	21.2
5 31	14 41.46	−28 16.9	2.719	3.658	6.9	21.4
6 10	14 34.19	−28 10.7	2.796	3.666	9.4	21.6

103405 2000 AM_{134} 5 8.5 230°.15 0°.2/ 8.7 17 R

4 1	15 30.85	−19 36.4	1.977	2.786	14.4	20.7
4 11	15 26.09	−19 20.7	1.879	2.775	11.3	20.5
4 21	15 18.92	−18 55.1	1.802	2.763	7.6	20.2
5 1	15 9.94	−18 20.6	1.751	2.750	3.4	19.9
5 11	15 0.06	−17 39.9	1.728	2.737	1.1	19.7
5 21	14 50.34	−16 57.2	1.733	2.724	5.5	20.0
5 31	14 41.81	−16 17.4	1.765	2.709	9.7	20.2
6 10	14 35.28	−15 45.1	1.820	2.695	13.4	20.4

320561 2008 AJ_{68} 5 8.5 92°.32 1°.6/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.51	−15 20.4	1.609	2.439	16.2	21.2
4 11	15 25.92	−14 53.0	1.542	2.451	12.4	21.0
4 21	15 18.76	−14 18.2	1.497	2.464	8.2	20.8
5 1	15 9.80	−13 39.0	1.476	2.476	3.6	20.6
5 11	15 0.15	−12 59.9	1.481	2.488	2.3	20.5
5 21	14 50.99	−12 25.7	1.513	2.500	6.6	20.8
5 31	14 43.37	−12 0.8	1.571	2.512	10.9	21.1
6 10	14 38.02	−11 48.3	1.650	2.524	14.5	21.3

279791 1999 VU_{100} 5 8.5 232°.50 0°.0/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.11	−21 26.4	2.214	3.019	13.1	21.1
4 11	15 22.86	−20 35.1	2.116	3.010	10.3	20.9
4 21	15 16.58	−19 31.0	2.041	3.001	6.9	20.6
5 1	15 8.85	−18 16.3	1.992	2.991	3.0	20.4
5 11	15 0.47	−16 55.3	1.972	2.981	1.0	20.2
5 21	14 52.32	−15 33.3	1.981	2.971	5.0	20.5
5 31	14 45.24	−14 16.4	2.018	2.960	8.8	20.7
6 10	14 39.88	−13 9.8	2.080	2.949	12.1	20.9

500970 2013 QH_{69} 5 8.5 285°.31 2°.0/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.37	−14 0.6	1.603	2.437	16.0	21.4
4 11	15 25.56	−13 41.5	1.504	2.415	12.5	21.1
4 21	15 18.94	−13 15.7	1.425	2.393	8.4	20.8
5 1	15 10.08	−12 45.8	1.371	2.371	3.9	20.5
5 11	15 0.01	−12 15.7	1.342	2.349	2.7	20.4
5 21	14 49.96	−11 50.2	1.340	2.326	7.3	20.6
5 31	14 41.22	−11 34.0	1.361	2.304	12.1	20.8
6 10	14 34.79	−11 30.8	1.404	2.281	16.4	21.0

344001 2011 QD_{46} 5 8.5 300°.30 0°.2/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 18.59	−20 2.4	4.441	5.235	7.2	20.9
4 11	15 15.33	−19 43.8	4.344	5.233	5.6	20.7
4 21	15 11.16	−19 20.5	4.273	5.231	3.7	20.6
5 1	15 6.36	−18 53.6	4.230	5.228	1.7	20.4
5 11	15 1.31	−18 24.3	4.217	5.226	0.5	20.3
5 21	14 56.36	−17 54.3	4.234	5.224	2.6	20.5
5 31	14 51.87	−17 25.4	4.279	5.222	4.5	20.6
6 10	14 48.15	−16 59.4	4.352	5.219	6.3	20.8

481536 2007 MH_{24} 5 8.5 241°.52 6°.9/27.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 22.37	+22 13.6	4.549	5.276	8.0	21.2
4 11	15 18.09	+22 47.4	4.492	5.273	7.4	21.1
4 21	15 12.90	+23 10.9	4.458	5.270	7.0	21.1
5 1	15 7.10	+23 21.5	4.448	5.267	7.0	21.1
5 11	15 1.08	+23 17.6	4.462	5.263	7.3	21.1
5 21	14 55.22	+22 58.4	4.499	5.260	7.9	21.1
5 31	14 49.87	+22 24.3	4.558	5.257	8.6	21.2
6 10	14 45.35	+21 36.7	4.636	5.254	9.4	21.3

123572 2000 XZ_{36} 5 8.5 246°.00 6°.4/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.46	−36 10.4	2.226	2.966	15.0	20.6
4 11	15 27.58	−36 41.5	2.119	2.951	12.8	20.4
4 21	15 20.08	−36 56.0	2.031	2.936	10.3	20.2
5 1	15 10.52	−36 50.3	1.967	2.920	7.8	20.1
5 11	14 59.91	−36 22.9	1.928	2.903	6.4	19.9
5 21	14 49.38	−35 35.6	1.916	2.886	7.1	19.9
5 31	14 40.12	−34 33.1	1.931	2.868	9.4	20.0
6 10	14 33.02	−33 22.9	1.970	2.850	12.3	20.2

290839 2005 WR_{17} 5 8.5 262°.40 0°.2/ 8.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.78	−20 38.9	1.428	2.258	17.8	20.7
4 11	15 26.16	−20 12.9	1.339	2.247	14.1	20.4
4 21	15 19.44	−19 31.8	1.270	2.235	9.5	20.1
5 1	15 10.31	−18 37.0	1.224	2.224	4.3	19.8
5 11	14 59.99	−17 33.0	1.203	2.212	1.3	19.5
5 21	14 49.90	−16 26.6	1.208	2.200	6.9	19.8
5 31	14 41.44	−15 25.7	1.236	2.189	12.1	20.1
6 10	14 35.63	−14 37.6	1.286	2.176	16.8	20.3

85214 Sommersdorf 5 8.5 217°.54 0°.6/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.87	−19 44.8	1.669	2.483	16.4	19.7
4 11	15 28.91	−19 42.6	1.578	2.476	12.9	19.4
4 21	15 21.05	−19 30.1	1.507	2.468	8.7	19.1
5 1	15 10.98	−19 7.8	1.461	2.460	4.0	18.8
5 11	14 59.80	−18 37.8	1.441	2.451	1.3	18.6
5 21	14 48.81	−18 4.3	1.449	2.441	6.2	18.9
5 31	14 39.31	−17 32.7	1.482	2.430	10.9	19.2
6 10	14 32.23	−17 8.2	1.538	2.419	15.0	19.4

122694 2000 SQ_{12} 5 8.5 175°.30 2°.5/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.25	−11 21.8	2.290	3.107	12.4	20.8
4 11	15 24.28	−10 49.1	2.207	3.109	9.6	20.6
4 21	15 17.41	−10 13.0	2.148	3.111	6.4	20.4
5 1	15 9.20	− 9 36.5	2.116	3.113	3.3	20.2
5 11	15 0.43	− 9 3.1	2.113	3.114	3.0	20.2
5 21	14 51.92	− 8 36.1	2.138	3.114	5.9	20.4
5 31	14 44.43	− 8 18.4	2.190	3.114	9.2	20.6
6 10	14 38.58	− 8 11.8	2.266	3.113	12.1	20.8

329292 2000 LK_{16} 5 8.5 303°.03 3°.7/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 27.47	−28 53.5	1.646	2.448	17.1	18.9
4 11	15 24.50	−28 39.4	1.526	2.410	14.1	18.6
4 21	15 18.52	−28 4.4	1.424	2.372	10.4	18.3
5 1	15 10.04	−27 5.7	1.346	2.334	6.3	18.0
5 11	15 0.09	−25 44.3	1.292	2.296	3.7	17.7
5 21	14 50.02	−24 5.3	1.265	2.258	6.6	17.8
5 31	14 41.27	−22 17.7	1.262	2.220	11.4	17.9
6 10	14 35.00	−20 32.7	1.282	2.182	16.2	18.1

380800 2005 WH_{153} 5 8.5 251°.79 15°.0/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 44.99	+13 33.3	1.163	1.970	22.5	20.0
4 11	15 38.42	+14 7.3	1.095	1.963	19.7	19.8
4 21	15 27.80	+14 15.8	1.044	1.956	17.0	19.6
5 1	15 14.05	+13 46.4	1.012	1.948	15.2	19.4
5 11	14 58.84	+12 31.2	1.002	1.941	15.3	19.4
5 21	14 44.15	+10 30.6	1.014	1.933	17.4	19.5
5 31	14 31.79	+ 7 52.3	1.047	1.925	20.6	19.6
6 10	14 22.95	+ 4 48.5	1.099	1.916	24.0	19.8

334708 2003 FT_{61} 5 8.5 72°.84 2°.4/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.74	−12 18.8	1.650	2.481	15.7	20.6
4 11	15 25.99	−12 0.1	1.588	2.497	12.1	20.4
4 21	15 18.76	−11 37.6	1.547	2.514	8.0	20.2
5 1	15 9.82	−11 14.4	1.531	2.530	3.8	20.0
5 11	15 0.27	−10 54.4	1.542	2.547	3.0	20.0
5 21	14 51.21	−10 41.0	1.580	2.563	6.8	20.2
5 31	14 43.65	−10 37.3	1.642	2.580	10.8	20.5
6 10	14 38.30	−10 45.0	1.727	2.596	14.2	20.8

89056 2001 TK_{125} 5 8.5 297°.01 6°.1/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.15	−30 7.8	1.352	2.159	19.8	19.3
4 11	15 27.11	−30 43.8	1.261	2.145	16.5	19.0
4 21	15 20.50	−31 0.7	1.189	2.132	12.5	18.8
5 1	15 10.95	−30 54.1	1.137	2.118	8.5	18.5
5 11	14 59.81	−30 22.5	1.108	2.104	6.1	18.3
5 21	14 48.79	−29 28.9	1.102	2.091	8.2	18.4
5 31	14 39.62	−28 21.7	1.120	2.078	12.5	18.6
6 10	14 33.57	−27 11.7	1.158	2.065	16.9	18.8

136018 2002 VP_{76} 5 8.5 254°.57 0°.0/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.87	−20 33.9	2.248	3.057	12.9	20.1
4 11	15 21.91	−19 51.9	2.150	3.047	10.0	19.9
4 21	15 15.98	−18 58.7	2.075	3.037	6.7	19.7
5 1	15 8.63	−17 56.2	2.027	3.026	2.9	19.4
5 11	15 0.64	−16 48.3	2.006	3.016	1.0	19.3
5 21	14 52.85	−15 39.7	2.015	3.005	4.9	19.5
5 31	14 46.08	−14 35.8	2.051	2.994	8.6	19.7
6 10	14 40.96	−13 41.0	2.111	2.983	11.9	19.9

245249 2004 YT_{1} 5 8.5 189°.00 10°.9/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.10	+12 41.9	2.046	2.832	14.7	20.8
4 11	15 28.17	+13 54.4	1.982	2.831	12.9	20.7
4 21	15 20.05	+14 53.1	1.940	2.830	11.4	20.6
5 1	15 10.38	+15 30.8	1.922	2.828	10.9	20.6
5 11	15 0.09	+15 41.9	1.928	2.825	11.4	20.6
5 21	14 50.17	+15 24.4	1.958	2.821	13.0	20.7
5 31	14 41.50	+14 39.2	2.011	2.816	14.9	20.8
6 10	14 34.77	+13 30.0	2.083	2.810	16.8	20.9

374084 2004 RY_{188} 5 8.5 151°.92 0°.2/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.86	−19 19.1	2.543	3.342	11.8	21.7
4 11	15 23.79	−18 44.8	2.461	3.352	9.1	21.5
4 21	15 16.98	−18 2.2	2.402	3.362	6.0	21.3
5 1	15 9.00	−17 13.2	2.372	3.371	2.6	21.1
5 11	15 0.56	−16 21.0	2.370	3.379	0.9	21.0
5 21	14 52.42	−15 29.2	2.398	3.387	4.4	21.2
5 31	14 45.27	−14 41.7	2.455	3.393	7.6	21.5
6 10	14 39.66	−14 2.0	2.537	3.400	10.5	21.6

436847 2012 SS_{23} 5 8.5 260°.94 1°.9/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.14	−14 53.9	2.001	2.827	13.6	21.6
4 11	15 22.25	−14 11.7	1.915	2.823	10.5	21.4
4 21	15 16.27	−13 22.0	1.853	2.819	6.9	21.2
5 1	15 8.77	−12 28.3	1.816	2.815	3.2	21.0
5 11	15 0.62	−11 34.9	1.806	2.812	2.5	20.9
5 21	14 52.71	−10 46.6	1.824	2.808	6.1	21.1
5 31	14 45.92	−10 7.8	1.868	2.804	9.8	21.3
6 10	14 40.92	− 9 41.6	1.935	2.800	13.1	21.5

487655 2015 PN_{6} 5 8.5 309°.29 8°.7/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 23.85	+ 4 39.7	2.051	2.877	13.3	21.3
4 11	15 20.52	+ 6 1.1	1.962	2.851	11.2	21.1
4 21	15 15.18	+ 7 17.2	1.896	2.826	9.5	21.0
5 1	15 8.34	+ 8 20.8	1.854	2.800	8.7	20.9
5 11	15 0.75	+ 9 5.3	1.837	2.775	9.5	20.9
5 21	14 53.25	+ 9 26.3	1.845	2.750	11.5	20.9
5 31	14 46.69	+ 9 21.8	1.874	2.725	14.0	21.0
6 10	14 41.78	+ 8 52.5	1.923	2.700	16.5	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
82126 2001 FS_{86}			5 8.5 78°.05	4°.1/ 6.5 17		
	h m	° ′			°	m
4 1	15 30.93	− 8 34.0	1.543	2.380	16.3	19.1
4 11	15 26.42	− 8 8.6	1.473	2.385	12.7	18.9
4 21	15 19.23	− 7 42.2	1.425	2.391	8.7	18.7
5 1	15 10.11	− 7 19.3	1.401	2.396	5.0	18.4
5 11	15 0.20	− 7 4.3	1.402	2.401	4.7	18.4
5 21	14 50.69	− 7 0.8	1.430	2.406	8.2	18.7
5 31	14 42.72	− 7 11.3	1.481	2.412	12.2	18.9
6 10	14 37.07	− 7 36.3	1.554	2.417	15.8	19.1
286638 2002 EU_{46}			5 8.5 10°.18	5°.1/ 6.3 17		
4 1	15 27.43	− 8 27.4	1.173	2.035	18.9	19.6
4 11	15 24.46	− 7 54.6	1.111	2.036	14.7	19.3
4 21	15 18.31	− 7 20.4	1.067	2.038	10.1	19.0
5 1	15 9.80	− 6 50.9	1.044	2.040	5.9	18.8
5 11	15 0.29	− 6 32.4	1.045	2.044	5.7	18.8
5 21	14 51.26	− 6 29.7	1.068	2.049	9.8	19.0
5 31	14 44.07	− 6 45.4	1.114	2.054	14.4	19.3
6 10	14 39.64	− 7 19.7	1.177	2.060	18.5	19.6
253473 2003 SO_{46}			5 8.5 237°.59	0°.9/ 9.1 17		
4 1	15 32.48	−21 12.9	1.982	2.784	14.6	22.2
4 11	15 27.49	−21 5.5	1.877	2.768	11.5	22.0
4 21	15 19.98	−20 47.4	1.794	2.752	7.9	21.7
5 1	15 10.51	−20 18.9	1.737	2.734	3.8	21.4
5 11	15 0.03	−19 41.9	1.707	2.716	1.3	21.2
5 21	14 49.63	−19 0.3	1.705	2.697	5.5	21.5
5 31	14 40.42	−18 18.9	1.731	2.677	9.7	21.7
6 10	14 33.27	−17 43.2	1.780	2.656	13.6	21.9
205781 2002 CO_{77}			5 8.6 343°.84	6°.5/11.7 17		
4 1	15 29.53	−30 17.3	1.303	2.114	20.3	19.5
4 11	15 26.60	−31 3.2	1.224	2.109	16.8	19.3
4 21	15 20.10	−31 29.9	1.162	2.105	12.8	19.0
5 1	15 10.74	−31 32.9	1.121	2.101	8.8	18.8
5 11	14 59.96	−31 10.7	1.103	2.098	6.5	18.6
5 21	14 49.46	−30 26.6	1.107	2.095	8.3	18.7
5 31	14 40.93	−29 28.7	1.135	2.093	12.3	18.9
6 10	14 35.55	−28 27.3	1.183	2.092	16.5	19.2
406345 2007 RZ_{106}			5 8.6 155°.17	1°.3/ 9.4 16		
4 1	15 33.84	−22 13.5	1.982	2.778	14.8	23.2
4 11	15 28.24	−22 8.1	1.900	2.788	11.6	23.0
4 21	15 20.24	−21 51.7	1.841	2.796	7.9	22.8
5 1	15 10.52	−21 24.6	1.808	2.804	3.9	22.6
5 11	15 0.09	−20 49.1	1.802	2.810	1.5	22.4
5 21	14 50.02	−20 9.0	1.825	2.816	5.2	22.7
5 31	14 41.32	−19 29.3	1.875	2.822	9.1	22.9
6 10	14 34.71	−18 54.7	1.950	2.826	12.5	23.2
191694 2004 RL_{151}			5 8.6 297°.98	1°.2/ 9.1 15		
4 1	15 29.54	−20 14.0	1.698	2.518	15.9	20.4
4 11	15 25.81	−20 27.2	1.589	2.490	12.7	20.1
4 21	15 19.23	−20 31.4	1.501	2.463	8.7	19.8
5 1	15 10.33	−20 26.3	1.437	2.435	4.2	19.5
5 11	15 0.08	−20 12.9	1.398	2.407	1.6	19.2
5 21	14 49.71	−19 54.0	1.386	2.379	6.1	19.5
5 31	14 40.56	−19 34.2	1.399	2.351	11.0	19.7
6 10	14 33.69	−19 18.6	1.434	2.324	15.4	19.9
333419 2003 FT_{113}			5 8.6 344°.52	9°.7/12.2 17		
4 1	15 31.91	−34 24.0	1.437	2.222	19.9	19.9
4 11	15 28.64	−36 6.4	1.354	2.213	17.1	19.7
4 21	15 21.67	−37 33.1	1.289	2.206	14.0	19.5
5 1	15 11.56	−38 36.2	1.244	2.199	11.2	19.3
5 11	14 59.67	−39 9.9	1.222	2.193	9.7	19.2
5 21	14 47.77	−39 13.1	1.222	2.188	10.6	19.2
5 31	14 37.74	−38 50.5	1.245	2.184	13.3	19.3
6 10	14 30.97	−38 11.7	1.288	2.181	16.6	19.5
166043 2002 CN_{13}			5 8.6 115°.52	1°.4/ 9.3 18		
4 1	15 31.78	−22 2.1	1.528	2.347	17.4	20.6
4 11	15 27.34	−21 57.2	1.453	2.353	13.7	20.4
4 21	15 19.98	−21 39.1	1.399	2.360	9.3	20.1
5 1	15 10.49	−21 8.3	1.368	2.366	4.5	19.8
5 11	15 0.10	−20 27.6	1.363	2.372	1.6	19.7
5 21	14 50.15	−19 42.2	1.384	2.378	6.1	20.0
5 31	14 41.88	−18 58.5	1.430	2.383	10.7	20.2
6 10	14 36.15	−18 22.4	1.499	2.389	14.8	20.5
219613 2001 TC_{108}			5 8.6 147°.65	3°.1/ 6.5 18		
4 1	15 32.23	− 7 58.0	2.416	3.225	12.1	20.2
4 11	15 26.38	− 7 40.4	2.341	3.237	9.3	20.0
4 21	15 18.70	− 7 22.6	2.290	3.249	6.3	19.8
5 1	15 9.77	− 7 7.4	2.267	3.259	3.7	19.7
5 11	15 0.36	− 6 57.3	2.272	3.269	3.5	19.7
5 21	14 51.24	− 6 54.7	2.308	3.278	6.0	19.9
5 31	14 43.17	− 7 1.0	2.370	3.286	8.9	20.1
6 10	14 36.71	− 7 17.2	2.458	3.294	11.6	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
129675 1998 RV_{36}			5 8.6 254°.93	1°.5/ 7.4 18		
	h m	° ′			°	m
4 1	15 26.58	−16 4.2	2.170	2.989	12.9	20.4
4 11	15 22.54	−15 19.8	2.071	2.975	10.0	20.2
4 21	15 16.46	−14 26.9	1.996	2.961	6.6	20.0
5 1	15 8.89	−13 28.2	1.946	2.946	3.0	19.7
5 11	15 0.62	−12 28.1	1.925	2.932	2.1	19.6
5 21	14 52.50	−11 31.2	1.932	2.917	5.7	19.8
5 31	14 45.39	−10 42.3	1.966	2.901	9.4	20.0
6 10	14 39.96	−10 5.2	2.024	2.886	12.7	20.2
391328 2006 TB_{120}			5 8.6 92°.60	3°.8/ 5.4 17		
4 1	15 24.79	− 8 51.7	2.199	3.029	12.4	21.8
4 11	15 20.92	− 7 52.9	2.123	3.031	9.6	21.6
4 21	15 15.23	− 6 51.5	2.071	3.034	6.6	21.4
5 1	15 8.29	− 5 51.8	2.046	3.037	4.1	21.2
5 11	15 0.84	− 4 58.8	2.048	3.040	4.3	21.3
5 21	14 53.66	− 4 16.5	2.077	3.042	6.9	21.4
5 31	14 47.48	− 3 48.0	2.132	3.045	9.9	21.6
6 10	14 42.87	− 3 34.8	2.210	3.048	12.7	21.8
370140 2001 WA_{101}			5 8.6 198°.89	1°.0/ 7.9 17		
4 1	15 30.87	−15 23.4	2.376	3.182	12.3	22.8
4 11	15 25.60	−15 8.8	2.282	3.178	9.6	22.6
4 21	15 18.36	−14 49.0	2.212	3.173	6.3	22.4
5 1	15 9.70	−14 25.4	2.168	3.168	2.8	22.2
5 11	15 0.37	−14 0.6	2.154	3.162	1.5	22.1
5 21	14 51.23	−13 37.4	2.170	3.155	5.0	22.3
5 31	14 43.08	−13 19.0	2.213	3.148	8.5	22.5
6 10	14 36.58	−13 8.1	2.281	3.140	11.6	22.7
425105 2009 SF_{117}			5 8.6 134°.25	2°.1/ 9.9 17		
4 1	15 31.15	−24 27.1	2.052	2.846	14.4	22.2
4 11	15 26.13	−24 26.7	1.972	2.856	11.4	22.1
4 21	15 18.82	−24 14.3	1.914	2.865	8.0	21.9
5 1	15 9.90	−23 49.9	1.882	2.874	4.3	21.6
5 11	15 0.32	−23 15.5	1.877	2.883	2.1	21.5
5 21	14 51.08	−22 34.6	1.900	2.891	5.0	21.7
5 31	14 43.14	−21 52.1	1.950	2.899	8.6	21.9
6 10	14 37.19	−21 13.1	2.024	2.906	11.9	22.2
78915 2003 SW_{101}			5 8.6 202°.03	2°.3/10.3 18		
4 1	15 28.59	−25 31.8	2.131	2.924	14.0	20.0
4 11	15 24.20	−25 28.7	2.041	2.923	11.2	19.8
4 21	15 17.61	−25 13.2	1.972	2.921	7.9	19.6
5 1	15 9.40	−24 44.9	1.928	2.919	4.4	19.3
5 11	15 0.47	−24 5.8	1.912	2.917	2.4	19.2
5 21	14 51.79	−23 19.4	1.923	2.915	4.9	19.4
5 31	14 44.27	−22 30.4	1.962	2.912	8.5	19.6
6 10	14 38.64	−21 44.4	2.024	2.910	11.8	19.8
198910 2005 UX_{59}			5 8.6 234°.95	0°.3/ 8.4 18		
4 1	15 31.34	−19 8.6	1.545	2.369	17.0	20.6
4 11	15 27.13	−18 40.8	1.455	2.360	13.3	20.4
4 21	15 19.98	−18 0.3	1.386	2.351	8.9	20.1
5 1	15 10.58	−17 8.9	1.340	2.341	3.9	19.7
5 11	15 0.07	−16 10.9	1.321	2.330	1.5	19.5
5 21	14 49.81	−15 12.4	1.328	2.319	6.7	19.8
5 31	14 41.07	−14 20.5	1.360	2.308	11.7	20.1
6 10	14 34.83	−13 41.1	1.414	2.296	16.0	20.3
351515 2005 SV_{54}			5 8.6 139°.81	0°.6/ 7.9 17		
4 1	15 25.48	−16 55.9	2.589	3.400	11.3	21.5
4 11	15 21.23	−16 31.4	2.506	3.404	8.7	21.3
4 21	15 15.35	−16 0.8	2.446	3.409	5.7	21.2
5 1	15 8.33	−15 26.0	2.413	3.413	2.5	20.9
5 11	15 0.84	−14 49.7	2.409	3.417	1.2	20.9
5 21	14 53.58	−14 14.9	2.434	3.421	4.4	21.1
5 31	14 47.21	−13 44.7	2.487	3.425	7.5	21.3
6 10	14 42.25	−13 21.8	2.564	3.429	10.3	21.5
93980 2000 XP_{11}			5 8.6 163°.14	4°.9/ 4.8 18		
4 1	15 27.88	− 5 8.3	2.175	3.000	12.7	20.0
4 11	15 23.27	− 4 11.0	2.102	3.004	10.0	19.8
4 21	15 16.78	− 3 13.9	2.051	3.008	7.1	19.7
5 1	15 8.97	− 2 21.8	2.028	3.011	5.1	19.6
5 11	15 0.64	− 1 39.5	2.032	3.014	5.4	19.6
5 21	14 52.59	− 1 10.8	2.063	3.017	7.8	19.7
5 31	14 45.60	− 0 57.8	2.120	3.019	10.6	19.9
6 10	14 40.26	− 1 1.1	2.199	3.020	13.3	20.1
297466 2000 SV_{329}			5 8.6 216°.39	1°.0/ 9.2 16		
4 1	15 30.10	−19 46.8	2.563	3.358	11.8	20.7
4 11	15 24.97	−20 6.8	2.466	3.354	9.3	20.5
4 21	15 17.95	−20 21.2	2.394	3.349	6.3	20.3
5 1	15 9.53	−20 29.6	2.348	3.345	3.0	20.1
5 11	15 0.44	−20 32.8	2.331	3.340	1.2	19.9
5 21	14 51.46	−20 32.4	2.344	3.335	4.3	20.1
5 31	14 43.39	−20 30.6	2.385	3.330	7.5	20.3
6 10	14 36.87	−20 30.2	2.452	3.324	10.4	20.5

246873 1994 PQ_7 5 8.6 277.°10 0.°6/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 26.48	−16 53.0	2.430	3.241	11.9	21.6
4 11	15 22.35	−16 32.6	2.318	3.217	9.3	21.4
4 21	15 16.32	−16 5.2	2.230	3.193	6.2	21.1
5 1	15 8.85	−15 32.6	2.169	3.169	2.7	20.9
5 11	15 0.65	−14 57.2	2.136	3.144	1.3	20.7
5 21	14 52.49	−14 22.4	2.132	3.120	4.9	20.9
5 31	14 45.17	−13 51.8	2.155	3.094	8.5	21.1
6 10	14 39.35	−13 28.7	2.202	3.069	11.7	21.3

159401 1998 VM_{22} 5 8.6 249.°55 0.°7/ 9.1 18

4 1	15 28.47	−21 42.5	2.570	3.363	11.9	20.1
4 11	15 23.80	−21 20.2	2.455	3.342	9.4	19.9
4 21	15 17.23	−20 48.1	2.364	3.320	6.4	19.7
5 1	15 9.24	−20 6.8	2.300	3.298	3.0	19.4
5 11	15 0.54	−19 18.7	2.265	3.274	1.0	19.2
5 21	14 51.90	−18 27.2	2.260	3.250	4.4	19.4
5 31	14 44.13	−17 36.3	2.283	3.226	7.9	19.6
6 10	14 37.88	−16 50.5	2.331	3.201	11.0	19.8

376658 2013 QR_8 5 8.6 25.°99 1.°2/ 7.8 17

4 1	15 27.09	−17 22.2	1.523	2.359	16.6	21.2
4 11	15 23.61	−16 46.1	1.450	2.362	12.8	20.9
4 21	15 17.46	−15 59.2	1.397	2.365	8.5	20.7
5 1	15 9.39	−15 4.9	1.368	2.369	3.7	20.4
5 11	15 0.51	−14 8.3	1.365	2.373	2.0	20.3
5 21	14 52.04	−13 15.6	1.387	2.377	6.7	20.6
5 31	14 45.08	−12 32.7	1.434	2.381	11.2	20.9
6 10	14 40.43	−12 3.9	1.502	2.386	15.2	21.1

399350 2000 SE_{297} 5 8.6 139.°99 1.°9/ 9.8 18

4 1	15 33.57	−24 24.2	1.901	2.696	15.4	21.7
4 11	15 28.12	−24 13.0	1.824	2.708	12.2	21.5
4 21	15 20.19	−23 48.4	1.768	2.721	8.4	21.3
5 1	15 10.52	−23 10.6	1.738	2.732	4.4	21.1
5 11	15 0.17	−22 22.3	1.735	2.743	2.0	20.9
5 21	14 50.26	−21 28.1	1.761	2.753	5.3	21.2
5 31	14 41.82	−20 33.8	1.813	2.762	9.2	21.4
6 10	14 35.56	−19 45.2	1.890	2.770	12.7	21.6

104033 2000 EJ_1 5 8.6 303.°15 8.°1/12.5 18

4 1	15 31.46	−34 18.7	1.578	2.356	18.7	19.3
4 11	15 27.92	−35 21.6	1.483	2.341	16.0	19.1
4 21	15 20.98	−36 6.9	1.407	2.327	12.8	18.8
5 1	15 11.21	−36 28.9	1.351	2.313	9.8	18.6
5 11	14 59.87	−36 24.0	1.319	2.299	8.1	18.5
5 21	14 48.54	−35 52.8	1.311	2.285	9.1	18.5
5 31	14 38.88	−35 1.2	1.326	2.272	12.1	18.6
6 10	14 32.16	−33 58.9	1.363	2.259	15.6	18.8

166312 2002 JY_{43} 5 8.6 23.°96 4.°0/10.6 18

4 1	15 28.37	−26 22.1	1.216	2.046	20.3	19.0
4 11	15 25.50	−26 41.7	1.150	2.052	16.4	18.7
4 21	15 19.18	−26 42.6	1.101	2.058	11.7	18.5
5 1	15 10.27	−26 23.0	1.074	2.066	6.9	18.2
5 11	15 0.24	−25 44.7	1.069	2.074	4.1	18.1
5 21	14 50.75	−24 53.5	1.088	2.082	7.2	18.3
5 31	14 43.29	−23 57.8	1.129	2.092	11.9	18.6
6 10	14 38.84	−23 6.7	1.191	2.102	16.3	18.9

496986 2002 RL_{170} 5 8.6 249.°05 6.°2/12.2 17

4 1	15 34.11	−33 32.9	1.965	2.724	16.2	22.0
4 11	15 29.25	−34 10.4	1.858	2.707	13.6	21.8
4 21	15 21.45	−34 31.9	1.771	2.690	10.7	21.6
5 1	15 11.30	−34 33.3	1.708	2.672	7.9	21.4
5 11	14 59.86	−34 12.6	1.670	2.653	6.2	21.2
5 21	14 48.45	−33 31.4	1.658	2.634	7.3	21.2
5 31	14 38.40	−32 34.9	1.673	2.615	10.3	21.4
6 10	14 30.76	−31 31.1	1.711	2.595	13.6	21.5

302449 2002 EB_{91} 5 8.6 92.°25 2.°5/ 6.5 18

4 1	15 25.37	−11 2.6	2.414	3.236	11.7	20.6
4 11	15 21.19	−10 28.0	2.339	3.244	9.0	20.4
4 21	15 15.33	− 9 50.8	2.289	3.253	6.0	20.2
5 1	15 8.33	− 9 13.7	2.265	3.261	3.2	20.1
5 11	15 0.89	− 8 40.2	2.269	3.270	3.0	20.1
5 21	14 53.71	− 8 13.5	2.302	3.278	5.6	20.2
5 31	14 47.47	− 7 56.0	2.362	3.286	8.6	20.4
6 10	14 42.68	− 7 49.2	2.445	3.294	11.2	20.6

436233 2010 AV_{63} 5 8.6 73.°39 4.°8/ 5.6 17

4 1	15 29.09	− 5 38.8	1.863	2.694	14.3	20.8
4 11	15 24.38	− 5 0.1	1.805	2.712	11.1	20.6
4 21	15 17.55	− 4 22.8	1.770	2.730	7.8	20.5
5 1	15 9.31	− 3 51.6	1.760	2.748	5.2	20.4
5 11	15 0.59	− 3 30.6	1.776	2.765	5.3	20.4
5 21	14 52.32	− 3 22.9	1.820	2.783	7.9	20.6
5 31	14 45.34	− 3 30.0	1.888	2.801	11.0	20.8
6 10	14 40.25	− 3 51.7	1.978	2.819	13.9	21.0

104500 2000 GQ_{36} 5 8.6 268.°76 0.°2/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 26.76	−18 31.9	2.091	2.906	13.4	19.3
4 11	15 22.75	−18 12.2	2.001	2.902	10.5	19.1
4 21	15 16.63	−17 44.1	1.934	2.897	6.9	18.9
5 1	15 8.99	−17 9.0	1.892	2.892	3.0	18.6
5 11	15 0.66	−16 30.1	1.878	2.887	1.1	18.4
5 21	14 52.55	−15 51.2	1.892	2.883	5.1	18.7
5 31	14 45.52	−15 16.5	1.933	2.878	8.9	18.9
6 10	14 40.27	−14 49.7	1.997	2.873	12.3	19.1

177388 2004 BF_{80} 5 8.6 202.°59 4.°0/ 6.1 17

4 1	15 28.84	− 9 52.6	1.648	2.485	15.5	20.6
4 11	15 24.73	− 9 5.4	1.572	2.484	12.0	20.4
4 21	15 18.11	− 8 14.4	1.517	2.483	8.2	20.2
5 1	15 9.68	− 7 24.4	1.488	2.483	4.7	19.9
5 11	15 0.46	− 6 41.1	1.484	2.482	4.7	19.9
5 21	14 51.57	− 6 9.7	1.506	2.481	8.1	20.1
5 31	14 44.06	− 5 53.8	1.553	2.480	12.0	20.4
6 10	14 38.70	− 5 55.1	1.621	2.478	15.6	20.6

419629 2010 SS_{29} 5 8.6 240.°44 0.°1/ 8.6 17

4 1	15 31.65	−18 55.8	1.886	2.697	14.8	21.9
4 11	15 26.93	−18 45.4	1.786	2.683	11.7	21.6
4 21	15 19.66	−18 25.7	1.707	2.669	7.9	21.3
5 1	15 10.43	−17 57.5	1.654	2.654	3.5	21.1
5 11	15 0.19	−17 23.5	1.629	2.638	1.1	20.8
5 21	14 50.07	−16 47.5	1.631	2.622	5.7	21.1
5 31	14 41.16	−16 14.5	1.660	2.605	10.1	21.3
6 10	14 34.36	−15 48.9	1.711	2.587	14.0	21.5

181168 2005 SL_{43} 5 8.6 272.°55 1.°5/ 9.7 18

4 1	15 26.71	−23 7.8	2.389	3.186	12.5	20.9
4 11	15 22.59	−23 6.6	2.287	3.174	9.9	20.6
4 21	15 16.49	−22 55.7	2.208	3.161	6.9	20.4
5 1	15 8.94	−22 35.4	2.155	3.149	3.6	20.2
5 11	15 0.69	−22 7.2	2.130	3.137	1.6	20.0
5 21	14 52.55	−21 33.8	2.133	3.125	4.5	20.2
5 31	14 45.36	−20 59.0	2.163	3.112	7.9	20.4
6 10	14 39.79	−20 27.0	2.218	3.100	11.0	20.6

145310 2005 LF_1 5 8.6 290.°74 0.°9/ 8.0 17

4 1	15 26.95	−18 37.3	1.565	2.397	16.4	20.6
4 11	15 23.70	−17 57.3	1.472	2.383	12.8	20.3
4 21	15 17.71	−17 3.9	1.400	2.368	8.5	20.0
5 1	15 9.61	−15 59.8	1.352	2.353	3.7	19.7
5 11	15 0.46	−14 50.1	1.330	2.338	1.8	19.5
5 21	14 51.50	−13 41.7	1.333	2.323	6.8	19.8
5 31	14 43.95	−12 41.9	1.361	2.309	11.7	20.0
6 10	14 38.71	−11 56.6	1.411	2.295	15.9	20.2

506850 2007 UF_{99} 5 8.6 182.°80 0.°4/ 8.3 17

4 1	15 28.42	−16 36.1	2.400	3.209	12.1	21.7
4 11	15 23.70	−16 29.6	2.312	3.209	9.4	21.5
4 21	15 17.10	−16 17.6	2.247	3.209	6.2	21.3
5 1	15 9.16	−16 1.5	2.209	3.209	2.7	21.0
5 11	15 0.63	−15 43.2	2.200	3.208	1.1	20.9
5 21	14 52.30	−15 25.4	2.219	3.208	4.7	21.2
5 31	14 44.94	−15 10.9	2.266	3.206	8.0	21.4
6 10	14 39.16	−15 2.4	2.337	3.205	11.0	21.6

303883 2005 TB_{69} 5 8.6 220.°29 2.°6/10.3 17

4 1	15 28.84	−25 11.9	2.409	3.195	12.8	21.2
4 11	15 24.20	−25 33.2	2.317	3.194	10.2	21.0
4 21	15 17.54	−25 45.0	2.247	3.193	7.3	20.8
5 1	15 9.40	−25 46.4	2.203	3.192	4.3	20.6
5 11	15 0.56	−25 38.1	2.187	3.190	2.6	20.5
5 21	14 51.89	−25 21.9	2.200	3.189	4.6	20.6
5 31	14 44.22	−25 1.1	2.239	3.187	7.7	20.8
6 10	14 38.23	−24 39.7	2.304	3.186	10.6	21.0

214106 2004 QN_{18} 5 8.6 293.°53 5.°5/ 4.9 18

4 1	15 28.68	− 1 9.5	2.264	3.082	12.5	20.2
4 11	15 24.10	− 0 45.2	2.162	3.058	10.0	20.0
4 21	15 17.52	− 0 25.0	2.084	3.033	7.5	19.7
5 1	15 9.42	− 0 12.9	2.031	3.008	5.7	19.6
5 11	15 0.54	− 0 12.6	2.006	2.983	6.0	19.6
5 21	14 51.70	− 0 26.7	2.008	2.958	8.2	19.6
5 31	14 43.75	− 0 56.4	2.036	2.933	11.1	19.8
6 10	14 37.38	− 1 41.3	2.086	2.908	13.9	19.9

294180 2007 TP_{392} 5 8.6 201.°60 0.°6/ 7.7 17

4 1	15 21.51	−15 22.2	4.248	5.049	7.4	23.2
4 11	15 17.60	−15 1.4	4.150	5.044	5.7	23.1
4 21	15 12.71	−14 37.2	4.078	5.039	3.7	22.9
5 1	15 7.16	−14 11.1	4.034	5.034	1.6	22.7
5 11	15 1.31	−13 44.5	4.021	5.028	1.0	22.7
5 21	14 55.55	−13 19.2	4.038	5.022	3.0	22.8
5 31	14 50.29	−12 56.9	4.084	5.016	5.1	23.0
6 10	14 45.83	−12 39.0	4.157	5.009	6.9	23.1

265606 2005 SA_{12} 5 8.6 152.°50 1.°8/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 29.01	−14 34.9	1.919	2.742	14.2	21.5
4 11	15 24.51	−13 59.9	1.840	2.746	10.9	21.3
4 21	15 17.79	−13 18.3	1.784	2.750	7.2	21.1
5 1	15 9.50	−12 33.1	1.754	2.754	3.3	20.8
5 11	15 0.55	−11 48.6	1.752	2.757	2.4	20.8
5 21	14 51.93	−11 9.2	1.776	2.760	6.2	21.0
5 31	14 44.54	−10 39.1	1.827	2.763	10.0	21.3
6 10	14 39.07	−10 21.1	1.901	2.765	13.3	21.5

474941 2005 SD_{285} 5 8.6 223.°56 4.°9/ 3.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 24.62	− 2 31.1	2.649	3.470	10.8	21.8
4 11	15 20.53	− 1 37.5	2.567	3.464	8.6	21.6
4 21	15 14.89	− 0 45.6	2.508	3.458	6.4	21.5
5 1	15 8.17	+ 0 0.7	2.477	3.452	5.0	21.4
5 11	15 0.98	+ 0 37.3	2.474	3.445	5.4	21.4
5 21	14 53.96	+ 1 1.3	2.498	3.439	7.3	21.5
5 31	14 47.74	+ 1 10.8	2.547	3.432	9.6	21.6
6 10	14 42.82	+ 1 5.5	2.620	3.425	11.9	21.8

241568 1993 RN_{14} 5 8.6 243.°06 1.°9/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.08	−24 59.2	2.821	3.602	11.2	21.4
4 11	15 22.59	−25 1.0	2.713	3.589	9.0	21.2
4 21	15 16.36	−24 53.7	2.629	3.576	6.3	21.1
5 1	15 8.86	−24 37.0	2.572	3.562	3.6	20.8
5 11	15 0.74	−24 12.1	2.543	3.548	2.0	20.7
5 21	14 52.72	−23 41.0	2.544	3.534	4.0	20.8
5 31	14 45.50	−23 7.1	2.572	3.519	6.9	21.0
6 10	14 39.68	−22 33.9	2.627	3.504	9.6	21.2

85553 1997 YK_{10} 5 8.6 103.°60 4.°5/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.05	−30 30.0	1.970	2.742	15.7	19.3
4 11	15 27.81	−30 49.1	1.897	2.759	12.8	19.1
4 21	15 20.04	−30 52.4	1.844	2.776	9.5	19.0
5 1	15 10.50	−30 38.1	1.816	2.792	6.3	18.8
5 11	15 0.25	−30 7.0	1.814	2.808	4.5	18.7
5 21	14 50.45	−29 22.5	1.839	2.824	5.9	18.8
5 31	14 42.14	−28 30.4	1.891	2.839	8.9	19.1
6 10	14 36.06	−27 37.3	1.967	2.854	12.0	19.3

466638 2014 WJ_{45} 5 8.6 187.°38 0.°6/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.76	−16 15.6	1.801	2.618	15.2	22.1
4 11	15 27.71	−16 14.3	1.716	2.618	11.9	21.9
4 21	15 20.10	−16 6.6	1.654	2.617	7.9	21.6
5 1	15 10.59	−15 53.7	1.616	2.616	3.4	21.4
5 11	15 0.20	−15 38.2	1.606	2.615	1.4	21.2
5 21	14 50.07	−15 23.2	1.624	2.613	5.9	21.5
5 31	14 41.31	−15 12.4	1.667	2.611	10.2	21.7
6 10	14 34.71	−15 9.1	1.734	2.608	13.9	22.0

350450 1996 ET_{13} 5 8.6 354.°10 2.°7/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 23.79	−11 50.1	2.059	2.891	13.0	20.8
4 11	15 20.37	−11 8.0	1.978	2.889	10.0	20.6
4 21	15 15.02	−10 21.3	1.920	2.887	6.7	20.4
5 1	15 8.29	− 9 33.9	1.888	2.886	3.5	20.2
5 11	15 0.97	− 8 50.0	1.884	2.885	3.3	20.2
5 21	14 53.89	− 8 13.7	1.906	2.884	6.4	20.4
5 31	14 47.85	− 7 48.7	1.953	2.883	9.8	20.6
6 10	14 43.46	− 7 36.9	2.024	2.883	12.8	20.8

208618 2002 EX_{4} 5 8.6 170.°43 4.°3/ 5.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.92	−10 6.5	1.659	2.493	15.5	21.1
4 11	15 25.51	− 9 4.9	1.584	2.495	12.1	20.9
4 21	15 18.60	− 7 58.5	1.532	2.497	8.2	20.7
5 1	15 9.91	− 6 52.8	1.505	2.499	4.8	20.5
5 11	15 0.47	− 5 54.1	1.504	2.500	4.9	20.5
5 21	14 51.39	− 5 8.4	1.530	2.501	8.3	20.7
5 31	14 43.73	− 4 39.8	1.580	2.501	12.2	20.9
6 10	14 38.23	− 4 30.2	1.651	2.501	15.7	21.1

207726 2007 RW_{150} 5 8.6 224.°91 2.°3/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.80	−10 44.5	2.548	3.361	11.4	21.2
4 11	15 23.91	−10 24.0	2.451	3.350	8.8	21.0
4 21	15 17.23	−10 1.0	2.377	3.339	5.9	20.8
5 1	15 9.26	− 9 38.0	2.331	3.327	3.1	20.6
5 11	15 0.67	− 9 17.8	2.314	3.315	2.7	20.5
5 21	14 52.20	− 9 2.9	2.326	3.303	5.5	20.7
5 31	14 44.58	− 8 55.7	2.365	3.289	8.6	20.8
6 10	14 38.42	− 8 57.9	2.429	3.276	11.4	21.0

160171 2001 VJ_{48} 5 8.6 223.°55 2.°4/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.97	−12 26.1	1.629	2.457	16.1	20.0
4 11	15 28.16	−12 11.1	1.543	2.451	12.5	19.7
4 21	15 20.57	−11 51.6	1.478	2.444	8.4	19.5
5 1	15 10.86	−11 30.6	1.438	2.437	4.0	19.2
5 11	15 0.14	−11 11.6	1.424	2.429	3.0	19.1
5 21	14 49.63	−10 58.7	1.437	2.421	7.2	19.3
5 31	14 40.56	−10 55.4	1.475	2.413	11.7	19.6
6 10	14 33.84	−11 4.2	1.535	2.404	15.7	19.8

125605 2001 XK_{49} 5 8.6 146.°01 0.°2/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.06	−20 1.6	2.136	2.941	13.6	21.1
4 11	15 25.12	−19 38.0	2.056	2.950	10.6	20.9
4 21	15 18.10	−19 4.8	1.999	2.959	7.0	20.7
5 1	15 9.63	−18 23.7	1.968	2.967	3.1	20.4
5 11	15 0.57	−17 37.8	1.965	2.974	0.9	20.3
5 21	14 51.84	−16 51.0	1.990	2.981	4.9	20.6
5 31	14 44.30	−16 8.0	2.043	2.987	8.6	20.8
6 10	14 38.59	−15 32.8	2.121	2.993	11.8	21.0

421289 2013 TG_{8} 5 8.6 235.°62 5.°5/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.66	− 6 46.0	1.812	2.649	14.3	21.0
4 11	15 22.81	− 5 26.5	1.735	2.645	11.2	20.8
4 21	15 16.75	− 4 4.3	1.680	2.641	8.0	20.6
5 1	15 9.08	− 2 45.6	1.651	2.637	5.7	20.5
5 11	15 0.74	− 1 37.6	1.649	2.633	6.2	20.5
5 21	14 52.67	− 0 45.9	1.673	2.629	9.1	20.6
5 31	14 45.81	− 0 14.4	1.721	2.625	12.4	20.8
6 10	14 40.85	− 0 4.2	1.789	2.620	15.5	21.0

191323 2003 KN 5 8.6 257.°09 1.°3/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.94	−15 47.3	1.946	2.768	14.0	21.0
4 11	15 23.85	−15 18.4	1.852	2.758	10.9	20.7
4 21	15 17.49	−14 41.9	1.782	2.747	7.2	20.5
5 1	15 9.45	−14 0.1	1.736	2.736	3.2	20.2
5 11	15 0.60	−13 16.8	1.718	2.725	2.0	20.1
5 21	14 51.93	−12 36.6	1.728	2.714	6.0	20.3
5 31	14 44.40	−12 3.9	1.763	2.703	10.0	20.5
6 10	14 38.76	−11 42.2	1.821	2.691	13.6	20.7

222684 2001 YA_{112} 5 8.6 226.°66 0.°8/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.23	−16 14.6	2.184	2.995	13.1	20.9
4 11	15 25.39	−15 57.8	2.086	2.984	10.2	20.7
4 21	15 18.41	−15 34.4	2.011	2.973	6.8	20.5
5 1	15 9.83	−15 6.1	1.962	2.962	3.0	20.2
5 11	15 0.48	−14 35.6	1.941	2.949	1.5	20.1
5 21	14 51.27	−14 6.3	1.949	2.937	5.3	20.3
5 31	14 43.10	−13 41.9	1.985	2.923	9.1	20.5
6 10	14 36.69	−13 25.6	2.044	2.910	12.5	20.7

196453 2003 HC_{49} 5 8.6 309.°89 6.°0/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.37	− 3 3.7	1.583	2.418	16.1	19.3
4 11	15 27.22	− 2 52.8	1.482	2.390	13.0	19.0
4 21	15 20.19	− 2 47.2	1.403	2.362	9.5	18.7
5 1	15 10.82	− 2 51.8	1.347	2.334	6.5	18.5
5 11	15 0.12	− 3 11.2	1.316	2.306	6.5	18.4
5 21	14 49.33	− 3 48.3	1.311	2.279	9.7	18.5
5 31	14 39.78	− 4 44.0	1.329	2.253	13.9	18.7
6 10	14 32.53	− 5 56.9	1.369	2.227	17.9	18.9

200264 1999 XG_{48} 5 8.6 186.°23 0.°4/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.35	−17 59.8	2.449	3.254	12.0	21.6
4 11	15 23.60	−17 34.5	2.359	3.254	9.3	21.4
4 21	15 17.03	−17 1.9	2.292	3.253	6.2	21.2
5 1	15 9.16	−16 23.5	2.252	3.252	2.7	21.0
5 11	15 0.72	−15 42.3	2.242	3.250	1.1	20.9
5 21	14 52.51	−15 1.6	2.260	3.248	4.6	21.1
5 31	14 45.26	−14 25.2	2.306	3.245	8.0	21.3
6 10	14 39.56	−13 56.2	2.377	3.242	11.0	21.5

16598 Brugmansia 5 8.6 203.°15 0.°6/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.89	−20 59.3	2.383	3.180	12.6	19.6
4 11	15 24.94	−20 45.0	2.286	3.175	9.9	19.4
4 21	15 18.00	−20 21.5	2.213	3.170	6.7	19.2
5 1	15 9.61	−19 49.7	2.166	3.164	3.1	19.0
5 11	15 0.57	−19 11.8	2.148	3.157	1.0	18.8
5 21	14 51.70	−18 31.1	2.159	3.150	4.5	19.1
5 31	14 43.85	−17 51.6	2.198	3.142	8.1	19.3
6 10	14 37.66	−17 17.4	2.262	3.133	11.2	19.4

309160 2007 AQ_{18} 5 8.6 147.°07 3.°3/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.79	− 9 22.2	2.024	2.845	13.6	21.3
4 11	15 25.69	− 8 50.4	1.949	2.853	10.5	21.1
4 21	15 18.48	− 8 16.7	1.898	2.861	7.1	20.9
5 1	15 9.80	− 7 44.7	1.873	2.868	4.0	20.7
5 11	15 0.53	− 7 18.3	1.877	2.875	3.8	20.7
5 21	14 51.59	− 7 0.7	1.907	2.881	6.8	20.9
5 31	14 43.84	− 6 54.6	1.964	2.886	10.2	21.1
6 10	14 37.94	− 7 1.1	2.045	2.892	13.2	21.3

79830 1998 WY_{10} 5 8.6 219.°57 1.°6/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.93	−14 9.0	1.885	2.706	14.5	19.6
4 11	15 26.20	−13 54.2	1.796	2.700	11.3	19.3
4 21	15 19.07	−13 34.0	1.730	2.694	7.5	19.1
5 1	15 10.15	−13 10.6	1.689	2.688	3.4	18.8
5 11	15 0.39	−12 47.3	1.675	2.682	2.2	18.7
5 21	14 50.84	−12 27.5	1.689	2.675	6.2	19.0
5 31	14 42.52	−12 15.0	1.729	2.668	10.2	19.2
6 10	14 36.21	−12 12.4	1.792	2.660	13.9	19.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
221008 2005 OX_5			5 8.6 292.°93		2.°1/ 7.4 18	
	h m	° ′			°	m
4 1	15 27.82	−14 32.7	1.596	2.432	16.0	20.8
4 11	15 24.39	−14 3.4	1.499	2.412	12.5	20.5
4 21	15 18.22	−13 25.9	1.422	2.391	8.3	20.2
5 1	15 9.90	−12 43.2	1.370	2.370	3.9	19.9
5 11	15 0.45	−11 59.8	1.344	2.350	2.8	19.8
5 21	14 51.07	−11 21.3	1.343	2.329	7.3	20.0
5 31	14 42.98	−10 53.1	1.366	2.309	12.0	20.2
6 10	14 37.17	−10 39.3	1.411	2.289	16.3	20.4
180130 2003 FK_{74}			5 8.6 17.°31		7.°8/12.2 17	
4 1	15 33.08	−33 16.6	1.741	2.512	17.5	19.2
4 11	15 28.67	−34 49.5	1.667	2.520	14.8	19.0
4 21	15 21.15	−36 7.8	1.613	2.528	11.8	18.9
5 1	15 11.21	−37 5.6	1.581	2.537	9.1	18.7
5 11	15 0.04	−37 39.4	1.574	2.547	7.8	18.7
5 21	14 49.07	−37 49.4	1.592	2.557	8.6	18.7
5 31	14 39.73	−37 39.7	1.634	2.569	11.0	18.9
6 10	14 33.04	−37 17.5	1.698	2.581	13.7	19.1
523630 2009 OG			5 8.6 136.°44		9.°8/29.1 18	
4 1	16 26.85	−73 5.8	4.426	4.763	11.8	23.5
4 11	16 11.97	−74 12.0	4.356	4.786	11.4	23.5
4 21	15 50.68	−74 59.2	4.298	4.808	10.9	23.5
5 1	15 24.31	−75 19.7	4.254	4.829	10.5	23.4
5 11	14 55.95	−75 8.5	4.228	4.848	10.1	23.4
5 21	14 29.37	−74 25.2	4.220	4.867	9.9	23.4
5 31	14 7.55	−73 14.3	4.232	4.885	9.8	23.4
6 10	13 51.75	−71 43.8	4.264	4.901	9.9	23.4
435763 2008 US_{215}			5 8.6 252.°47		3.°1/10.6 15	
4 1	15 31.53	−26 35.4	2.292	3.071	13.5	21.8
4 11	15 26.62	−26 53.0	2.180	3.052	11.0	21.6
4 21	15 19.38	−26 59.7	2.090	3.032	8.0	21.4
5 1	15 10.34	−26 53.9	2.026	3.012	4.8	21.1
5 11	15 0.32	−26 35.8	1.990	2.991	3.1	21.0
5 21	14 50.32	−26 7.2	1.982	2.970	5.2	21.1
5 31	14 41.34	−25 32.3	2.001	2.948	8.5	21.2
6 10	14 34.20	−24 56.1	2.045	2.926	11.9	21.4
186544 2002 WT_{23}			5 8.6 322.°96		0.°9/ 7.5 18	
4 1	15 20.36	−13 34.0	4.001	4.809	7.7	19.9
4 11	15 16.83	−13 24.9	3.906	4.804	5.9	19.7
4 21	15 12.27	−13 13.6	3.837	4.799	3.9	19.6
5 1	15 7.01	−13 1.3	3.795	4.794	1.8	19.4
5 11	15 1.43	−12 49.5	3.784	4.790	1.2	19.4
5 21	14 55.95	−12 39.5	3.801	4.785	3.2	19.5
5 31	14 50.96	−12 32.7	3.848	4.780	5.3	19.7
6 10	14 46.80	−12 30.5	3.920	4.776	7.2	19.8
284443 2007 EE_{51}			5 8.6 331.°70		1.°2/ 6.8 18	
4 1	15 18.41	−12 41.0	4.318	5.129	7.1	21.0
4 11	15 15.24	−12 11.0	4.228	5.128	5.4	20.9
4 21	15 11.18	−11 38.8	4.164	5.127	3.6	20.8
5 1	15 6.51	−11 5.9	4.128	5.126	1.8	20.6
5 11	15 1.59	−10 34.1	4.122	5.125	1.5	20.6
5 21	14 56.78	−10 5.1	4.146	5.123	3.2	20.8
5 31	14 52.42	− 9 40.7	4.198	5.122	5.1	20.9
6 10	14 48.81	− 9 22.0	4.276	5.121	6.9	21.0
105965 2000 SL_{259}			5 8.6 243.°15		2.°1/10.1 18	
4 1	15 28.29	−24 28.3	2.551	3.337	12.1	20.4
4 11	15 23.71	−24 39.0	2.449	3.327	9.7	20.2
4 21	15 17.22	−24 40.6	2.370	3.318	6.8	20.0
5 1	15 9.30	−24 32.6	2.317	3.308	3.8	19.8
5 11	15 0.68	−24 15.9	2.293	3.297	2.1	19.6
5 21	14 52.17	−23 52.5	2.297	3.287	4.4	19.8
5 31	14 44.57	−23 25.8	2.328	3.276	7.5	20.0
6 10	14 38.54	−22 59.5	2.385	3.265	10.4	20.1
387792 2003 WP_{15}			5 8.6 188.°31		0.°5/ 8.3 17	
4 1	15 29.03	−16 48.6	2.298	3.107	12.6	21.8
4 11	15 24.28	−16 38.9	2.209	3.107	9.8	21.6
4 21	15 17.56	−16 23.1	2.144	3.106	6.5	21.4
5 1	15 9.43	−16 2.7	2.105	3.105	2.8	21.2
5 11	15 0.66	−15 39.9	2.094	3.103	1.1	21.0
5 21	14 52.11	−15 17.6	2.113	3.101	4.9	21.3
5 31	14 44.57	−14 59.1	2.158	3.099	8.4	21.5
6 10	14 38.69	−14 47.1	2.228	3.097	11.5	21.7
122151 2000 JJ_{46}			5 8.6 343.°56		0.°7/ 8.1 18	
4 1	15 25.07	−18 20.6	1.399	2.242	17.4	19.0
4 11	15 22.45	−17 49.9	1.319	2.236	13.6	18.7
4 21	15 16.96	−17 6.5	1.260	2.230	9.0	18.4
5 1	15 9.32	−16 13.3	1.223	2.224	3.9	18.1
5 11	15 0.68	−15 15.6	1.211	2.220	1.7	18.0
5 21	14 52.36	−14 20.0	1.224	2.216	6.9	18.3
5 31	14 45.59	−13 33.4	1.260	2.213	11.9	18.5
6 10	14 41.28	−13 1.2	1.316	2.210	16.2	18.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
139147 2001 FF_{94}			5 8.6 36.°22		0.°9/ 8.3 18	
	h m	° ′			°	m
4 1	15 33.63	−13 54.2	1.385	2.220	18.0	19.6
4 11	15 29.02	−14 19.7	1.315	2.226	14.0	19.3
4 21	15 21.28	−14 42.2	1.265	2.232	9.3	19.1
5 1	15 11.21	−15 2.2	1.238	2.239	4.1	18.8
5 11	15 0.10	−15 21.2	1.237	2.246	1.7	18.6
5 21	14 49.40	−15 41.0	1.262	2.254	6.9	19.0
5 31	14 40.46	−16 4.1	1.311	2.261	11.8	19.3
6 10	14 34.24	−16 32.9	1.381	2.269	15.9	19.5
269959 2000 SH_{241}			5 8.6 194.°60		0.°0/ 8.5 18	
4 1	15 29.34	−19 30.0	2.358	3.160	12.5	21.9
4 11	15 24.49	−19 7.2	2.265	3.158	9.8	21.7
4 21	15 17.68	−18 35.7	2.195	3.155	6.5	21.5
5 1	15 9.48	−17 57.0	2.153	3.151	2.9	21.3
5 11	15 0.66	−17 13.7	2.138	3.147	0.9	21.1
5 21	14 52.05	−16 29.6	2.153	3.143	4.7	21.4
5 31	14 44.46	−15 48.6	2.196	3.138	8.2	21.6
6 10	14 38.51	−15 14.6	2.263	3.132	11.3	21.8
502969 2015 FK_{12}			5 8.6 182.°81		3.°8/ 5.9 18	
4 1	15 28.73	− 7 16.9	2.237	3.058	12.5	21.4
4 11	15 23.98	− 6 43.2	2.156	3.059	9.7	21.2
4 21	15 17.32	− 6 9.0	2.099	3.059	6.7	21.0
5 1	15 9.31	− 5 37.9	2.068	3.059	4.2	20.9
5 11	15 0.72	− 5 13.6	2.065	3.058	4.2	20.9
5 21	14 52.37	− 4 59.1	2.090	3.057	6.8	21.0
5 31	14 45.04	− 4 56.7	2.142	3.055	9.8	21.2
6 10	14 39.34	− 5 7.0	2.216	3.054	12.7	21.4
499639 2010 VQ_{24}			5 8.6 209.°73		0.°7/ 9.0 17	
4 1	15 32.19	−20 29.7	2.043	2.845	14.2	22.5
4 11	15 27.10	−20 22.9	1.947	2.839	11.2	22.3
4 21	15 19.65	−20 6.5	1.874	2.832	7.6	22.1
5 1	15 10.43	−19 41.1	1.827	2.824	3.5	21.8
5 11	15 0.35	−19 8.7	1.807	2.816	1.1	21.6
5 21	14 50.46	−18 33.0	1.816	2.807	5.2	21.9
5 31	14 41.77	−17 58.5	1.852	2.798	9.2	22.1
6 10	14 35.05	−17 29.6	1.912	2.788	12.8	22.3
479083 2013 AU_{100}			5 8.6 134.°52		1.°2/ 7.5 17	
4 1	15 25.91	−14 56.9	2.693	3.504	10.9	22.0
4 11	15 21.49	−14 29.6	2.613	3.513	8.4	21.8
4 21	15 15.51	−13 57.7	2.558	3.521	5.5	21.6
5 1	15 8.47	−13 23.1	2.530	3.529	2.5	21.4
5 11	15 1.01	−12 48.7	2.530	3.537	1.6	21.4
5 21	14 53.78	−12 17.2	2.560	3.544	4.5	21.6
5 31	14 47.41	−11 51.5	2.618	3.552	7.4	21.8
6 10	14 42.40	−11 33.6	2.701	3.558	10.0	22.0
371749 2007 EY_{218}			5 8.6 147.°16		5.°1/11.0 18	
4 1	15 38.70	−28 58.5	2.083	2.847	15.2	20.7
4 11	15 32.38	−30 6.3	1.997	2.853	12.5	20.5
4 21	15 23.31	−31 3.3	1.932	2.860	9.5	20.3
5 1	15 12.10	−31 45.4	1.893	2.865	6.5	20.2
5 11	14 59.82	−32 10.3	1.882	2.871	5.1	20.1
5 21	14 47.69	−32 18.5	1.899	2.876	6.5	20.2
5 31	14 36.94	−32 13.2	1.943	2.880	9.4	20.4
6 10	14 28.49	−32 0.1	2.012	2.885	12.4	20.6
452975 2007 EG_{64}			5 8.6 43.°03		1.°3/ 9.2 18	
4 1	15 30.87	−21 38.6	1.249	2.084	19.6	21.4
4 11	15 27.32	−21 33.7	1.178	2.087	15.4	21.1
4 21	15 20.38	−21 13.7	1.125	2.089	10.5	20.8
5 1	15 10.88	−20 39.1	1.093	2.092	5.0	20.5
5 11	15 0.24	−19 53.6	1.086	2.095	1.7	20.3
5 21	14 50.06	−19 3.4	1.103	2.098	7.0	20.6
5 31	14 41.84	−18 16.3	1.143	2.102	12.3	20.9
6 10	14 36.57	−17 39.4	1.204	2.105	16.9	21.2
211922 2004 TE_{103}			5 8.6 210.°73		0.°8/ 8.1 16	
4 1	15 31.95	−17 40.7	1.846	2.661	15.0	21.8
4 11	15 27.09	−17 10.5	1.754	2.655	11.7	21.6
4 21	15 19.72	−16 30.4	1.684	2.648	7.8	21.3
5 1	15 10.48	−15 42.6	1.640	2.640	3.4	21.0
5 11	15 0.37	−14 51.0	1.623	2.632	1.6	20.9
5 21	14 50.48	−14 0.5	1.634	2.623	6.1	21.1
5 31	14 41.89	−13 16.7	1.672	2.613	10.4	21.4
6 10	14 35.42	−12 43.9	1.732	2.602	14.2	21.6
197569 2004 GY_{22}			5 8.6 318.°16		1.°7/ 7.7 16	
4 1	15 24.84	−17 7.1	1.120	1.981	19.6	20.2
4 11	15 23.11	−16 33.1	1.037	1.963	15.4	19.9
4 21	15 17.93	−15 44.5	0.972	1.946	10.3	19.5
5 1	15 9.96	−14 44.3	0.927	1.929	4.6	19.2
5 11	15 0.51	−13 39.4	0.905	1.913	2.7	19.0
5 21	14 51.21	−12 38.4	0.905	1.898	8.6	19.3
5 31	14 43.70	−11 50.4	0.927	1.884	14.5	19.5
6 10	14 39.20	−11 21.9	0.966	1.870	19.7	19.8

422245 2014 SM_{59} 5 8.6 207°.47 0°.0/ 8.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 34.04	−17 26.5	1.702	2.518	16.0	21.7
4 11	15 28.98	−17 31.1	1.614	2.514	12.5	21.5
4 21	15 21.13	−17 28.3	1.548	2.510	8.4	21.2
5 1	15 11.16	−17 18.9	1.506	2.506	3.7	20.9
5 11	15 0.16	−17 5.0	1.491	2.500	1.2	20.7
5 21	14 49.38	−16 49.6	1.504	2.495	6.1	21.0
5 31	14 40.03	−16 37.0	1.542	2.488	10.7	21.3
6 10	14 33.04	−16 31.2	1.603	2.482	14.6	21.5

29575 Gundlapalli 5 8.6 104°.66 2°.5/ 6.6 18

4 1	15 26.48	−11 26.4	2.360	3.180	12.0	19.5
4 11	15 22.09	−10 49.1	2.288	3.192	9.2	19.3
4 21	15 15.99	−10 8.7	2.240	3.204	6.1	19.2
5 1	15 8.71	− 9 28.3	2.219	3.215	3.2	19.0
5 11	15 1.00	− 8 51.4	2.226	3.227	2.9	19.0
5 21	14 53.58	− 8 21.2	2.262	3.238	5.7	19.2
5 31	14 47.14	− 8 0.6	2.324	3.249	8.7	19.4
6 10	14 42.21	− 7 51.0	2.410	3.260	11.4	19.6

161602 2005 TQ_{129} 5 8.6 121°.50 1°.0/ 9.1 17

4 1	15 30.42	−20 24.7	1.766	2.582	15.6	21.0
4 11	15 26.02	−20 28.0	1.685	2.583	12.2	20.8
4 21	15 19.06	−20 21.6	1.624	2.585	8.3	20.6
5 1	15 10.21	−20 5.8	1.588	2.586	3.9	20.3
5 11	15 0.51	−19 42.8	1.578	2.587	1.3	20.1
5 21	14 51.09	−19 16.1	1.596	2.589	5.5	20.4
5 31	14 43.06	−18 50.4	1.639	2.590	9.8	20.7
6 10	14 37.22	−18 30.2	1.705	2.591	13.5	20.9

87745 2000 SX_{66} 5 8.6 219°.28 0°.9/ 7.8 18

4 1	15 26.53	−15 34.4	2.801	3.608	10.7	20.3
4 11	15 22.04	−15 14.4	2.703	3.600	8.2	20.1
4 21	15 15.96	−14 49.4	2.629	3.591	5.4	19.9
5 1	15 8.73	−14 21.2	2.583	3.583	2.4	19.7
5 11	15 0.98	−13 51.9	2.566	3.573	1.4	19.6
5 21	14 53.36	−13 24.3	2.578	3.564	4.4	19.8
5 31	14 46.52	−13 1.2	2.619	3.554	7.4	20.0
6 10	14 40.99	−12 44.7	2.685	3.544	10.1	20.1

92623 2000 QB_{8} 5 8.6 108°.89 5°.1/11.4 18

4 1	15 33.37	−29 32.9	1.533	2.327	18.5	18.9
4 11	15 28.93	−30 0.1	1.457	2.333	15.1	18.7
4 21	15 21.30	−30 9.3	1.399	2.339	11.2	18.5
5 1	15 11.28	−29 57.7	1.364	2.345	7.3	18.3
5 11	15 0.18	−29 25.5	1.354	2.351	5.1	18.1
5 21	14 49.52	−28 36.8	1.369	2.357	7.0	18.3
5 31	14 40.66	−27 38.8	1.408	2.362	10.8	18.5
6 10	14 34.58	−26 40.5	1.470	2.367	14.6	18.7

510398 2011 UJ_{128} 5 8.6 181°.17 3°.6/ 4.9 18

4 1	15 25.21	− 5 15.7	3.045	3.859	9.7	22.8
4 11	15 20.77	− 4 31.6	2.963	3.860	7.6	22.6
4 21	15 14.98	− 3 47.9	2.906	3.860	5.4	22.5
5 1	15 8.26	− 3 7.5	2.877	3.860	3.8	22.4
5 11	15 1.16	− 2 33.8	2.877	3.859	4.0	22.4
5 21	14 54.23	− 2 9.0	2.906	3.858	5.8	22.5
5 31	14 48.01	− 1 55.1	2.962	3.857	8.1	22.7
6 10	14 42.94	− 1 52.8	3.042	3.855	10.2	22.8

338719 2003 UA_{81} 5 8.6 233°.67 3°.6/ 6.3 18

4 1	15 29.65	− 7 17.6	2.264	3.082	12.5	20.7
4 11	15 24.79	− 6 56.3	2.172	3.073	9.7	20.5
4 21	15 17.95	− 6 35.0	2.103	3.063	6.7	20.3
5 1	15 9.67	− 6 16.7	2.061	3.053	4.1	20.1
5 11	15 0.69	− 6 4.7	2.047	3.042	4.0	20.0
5 21	14 51.87	− 6 1.7	2.062	3.032	6.7	20.2
5 31	14 44.02	− 6 9.4	2.103	3.020	9.8	20.4
6 10	14 37.79	− 6 28.9	2.167	3.009	12.8	20.5

520230 2014 DF_{153} 5 8.6 50°.12 2°.6/ 6.4 17

4 1	15 24.80	−12 24.7	2.228	3.054	12.4	21.4
4 11	15 21.00	−11 32.6	2.147	3.055	9.5	21.2
4 21	15 15.38	−10 35.4	2.090	3.056	6.3	21.0
5 1	15 8.50	− 9 36.8	2.059	3.056	3.3	20.8
5 11	15 1.08	− 8 41.3	2.057	3.057	3.1	20.8
5 21	14 53.92	− 7 53.2	2.082	3.058	6.1	21.0
5 31	14 47.74	− 7 16.1	2.133	3.059	9.3	21.2
6 10	14 43.12	− 6 52.4	2.208	3.060	12.2	21.4

456070 2006 AV_{92} 5 8.6 82°.24 0°.8/ 9.0 16

4 1	15 33.31	−20 27.2	1.371	2.199	18.6	22.0
4 11	15 28.71	−20 23.6	1.309	2.214	14.5	21.7
4 21	15 21.00	−20 7.6	1.265	2.229	9.8	21.5
5 1	15 11.07	−19 40.1	1.245	2.244	4.5	21.2
5 11	15 0.29	−19 4.6	1.250	2.259	1.4	21.0
5 21	14 50.12	−18 26.4	1.280	2.274	6.5	21.4
5 31	14 41.84	−17 51.7	1.335	2.289	11.3	21.7
6 10	14 36.31	−17 26.0	1.411	2.303	15.4	22.0

435005 2006 UX_{330} 5 8.6 157°.82 4°.6/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 25.61	− 4 9.1	2.462	3.285	11.5	21.4
4 11	15 21.38	− 3 18.3	2.387	3.288	9.0	21.3
4 21	15 15.52	− 2 28.7	2.336	3.290	6.5	21.1
5 1	15 8.53	− 1 44.4	2.312	3.293	4.8	21.0
5 11	15 1.08	− 1 9.2	2.316	3.295	5.1	21.0
5 21	14 53.86	− 0 46.3	2.347	3.297	7.2	21.2
5 31	14 47.54	− 0 37.5	2.404	3.299	9.7	21.3
6 10	14 42.62	− 0 43.3	2.483	3.301	12.1	21.5

14501 Tetsuokojima 5 8.6 190°.07 2°.7/10.0 18

4 1	15 35.09	−24 26.3	1.727	2.525	16.6	19.3
4 11	15 29.89	−24 40.4	1.639	2.524	13.3	19.1
4 21	15 21.79	−24 41.7	1.572	2.523	9.3	18.8
5 1	15 11.48	−24 28.8	1.529	2.521	5.1	18.6
5 11	15 0.13	−24 2.8	1.513	2.518	2.7	18.4
5 21	14 49.04	−23 27.0	1.524	2.515	5.9	18.6
5 31	14 39.48	−22 47.3	1.561	2.511	10.2	18.8
6 10	14 32.38	−22 9.9	1.621	2.507	14.1	19.0

377400 2004 SQ_{8} 5 8.6 191°.76 1°.3/ 9.5 17

4 1	15 30.83	−22 4.8	2.313	3.106	13.0	21.7
4 11	15 25.78	−22 5.7	2.219	3.105	10.3	21.5
4 21	15 18.64	−21 57.5	2.149	3.103	7.0	21.3
5 1	15 9.98	−21 40.4	2.105	3.100	3.5	21.1
5 11	15 0.62	−21 15.8	2.089	3.097	1.4	20.9
5 21	14 51.46	−20 46.6	2.102	3.094	4.6	21.2
5 31	14 43.36	−20 16.6	2.143	3.090	8.1	21.4
6 10	14 37.00	−19 49.7	2.209	3.085	11.3	21.6

68775 2002 EH_{154} 5 8.6 273°.07 4°.6/ 5.1 18

4 1	15 26.61	− 8 31.2	1.918	2.751	13.8	19.3
4 11	15 22.85	− 7 24.6	1.824	2.734	10.8	19.1
4 21	15 16.89	− 6 13.4	1.753	2.716	7.5	18.8
5 1	15 9.27	− 5 2.7	1.707	2.697	4.9	18.6
5 11	15 0.84	− 3 58.8	1.688	2.679	5.3	18.6
5 21	14 52.54	− 3 7.5	1.696	2.660	8.3	18.7
5 31	14 45.31	− 2 33.1	1.729	2.641	11.9	18.9
6 10	14 39.90	− 2 17.9	1.783	2.623	15.2	19.1

61182 2000 NJ_{25} 5 8.6 237°.79 3°.7/ 6.1 18

4 1	15 29.56	− 8 28.5	2.148	2.969	13.0	19.3
4 11	15 24.87	− 7 51.4	2.052	2.955	10.1	19.1
4 21	15 18.10	− 7 12.2	1.980	2.942	7.0	18.8
5 1	15 9.77	− 6 34.5	1.935	2.927	4.2	18.6
5 11	15 0.69	− 6 2.5	1.917	2.912	4.2	18.6
5 21	14 51.75	− 5 39.9	1.927	2.897	7.1	18.8
5 31	14 43.80	− 5 29.7	1.964	2.881	10.4	18.9
6 10	14 37.57	− 5 33.3	2.023	2.864	13.6	19.1

153767 2001 VC_{23} 5 8.6 259°.76 0°.7/ 8.9 18

4 1	15 30.59	−19 46.7	1.899	2.710	14.8	20.1
4 11	15 26.18	−19 47.5	1.799	2.696	11.6	19.8
4 21	15 19.25	−19 39.3	1.721	2.681	7.9	19.6
5 1	15 10.37	−19 22.6	1.667	2.666	3.7	19.3
5 11	15 0.49	−18 59.3	1.641	2.650	1.1	19.1
5 21	14 50.70	−18 32.4	1.642	2.635	5.5	19.3
5 31	14 42.09	−18 6.6	1.670	2.619	9.8	19.5
6 10	14 35.54	−17 46.2	1.721	2.602	13.7	19.7

362898 2012 BO_{145} 5 8.6 266°.68 5°.6/ 5.2 17

4 1	15 29.50	− 6 59.1	1.592	2.431	15.9	20.9
4 11	15 25.57	− 6 0.9	1.503	2.414	12.5	20.6
4 21	15 18.96	− 4 59.6	1.435	2.398	8.9	20.4
5 1	15 10.27	− 4 1.5	1.391	2.381	6.0	20.2
5 11	15 0.53	− 3 13.3	1.374	2.364	6.3	20.1
5 21	14 50.93	− 2 41.2	1.381	2.346	9.7	20.3
5 31	14 42.66	− 2 29.2	1.412	2.329	13.7	20.5
6 10	14 36.63	− 2 38.6	1.463	2.311	17.5	20.7

306910 2001 TC_{200} 5 8.6 247°.12 3°.0/ 7.0 16

4 1	15 33.15	−11 24.6	1.681	2.507	15.7	21.8
4 11	15 28.39	−10 59.2	1.584	2.491	12.3	21.5
4 21	15 20.85	−10 29.2	1.509	2.474	8.3	21.2
5 1	15 11.12	− 9 58.0	1.458	2.456	4.3	21.0
5 11	15 0.25	− 9 29.9	1.434	2.437	3.7	20.9
5 21	14 49.45	− 9 9.5	1.437	2.418	7.7	21.1
5 31	14 39.97	− 9 0.8	1.466	2.398	12.2	21.3
6 10	14 32.76	− 9 6.3	1.516	2.378	16.2	21.5

183002 2002 PA_{55} 5 8.6 216°.40 1°.3/ 7.7 17

4 1	15 30.80	−15 57.9	2.201	3.011	13.1	21.6
4 11	15 25.81	−15 24.5	2.103	3.001	10.2	21.4
4 21	15 18.71	−14 43.6	2.028	2.991	6.7	21.1
5 1	15 10.04	−13 57.4	1.980	2.980	3.0	20.9
5 11	15 0.63	−13 9.5	1.961	2.968	1.9	20.8
5 21	14 51.39	−12 24.1	1.970	2.955	5.6	21.0
5 31	14 43.19	−11 45.4	2.007	2.942	9.3	21.2
6 10	14 36.75	−11 16.9	2.068	2.927	12.6	21.4

141089 2001 XA_{40} 5 8.6 170.°50 0.°3/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 28.93	−18 54.3	3.077	3.867	10.2	21.0
4 11	15 23.71	−18 56.4	2.986	3.871	7.9	20.9
4 21	15 16.98	−18 53.3	2.919	3.875	5.3	20.7
5 1	15 9.19	−18 45.3	2.880	3.878	2.4	20.5
5 11	15 0.92	−18 33.9	2.871	3.880	0.7	20.4
5 21	14 52.82	−18 20.8	2.893	3.882	3.6	20.6
5 31	14 45.49	−18 8.2	2.943	3.884	6.4	20.8
6 10	14 39.42	−17 58.5	3.020	3.885	8.9	20.9

19807 2000 SE_{16} 5 8.6 5.°31 3.°5/ 5.6 18

4 1	15 23.00	−12 42.0	1.840	2.679	14.0	18.1
4 11	15 19.99	−11 20.9	1.765	2.680	10.8	17.9
4 21	14 14.89	− 9 51.9	1.712	2.680	7.2	17.6
5 1	15 8.34	− 8 20.9	1.685	2.682	4.1	17.4
5 11	15 1.19	− 6 54.8	1.686	2.683	4.2	17.5
5 21	14 54.36	− 5 40.0	1.713	2.686	7.5	17.7
5 31	14 48.68	− 4 41.9	1.765	2.688	11.0	17.9
6 10	14 44.79	− 4 3.0	1.839	2.692	14.2	18.1

64043 2001 SL_{235} 5 8.6 23.°05 0.°5/ 8.2 17

4 1	15 26.34	−17 32.7	2.087	2.906	13.4	20.0
4 11	15 22.41	−17 11.4	2.004	2.907	10.3	19.8
4 21	15 16.44	−16 42.5	1.944	2.908	6.8	19.6
5 1	15 9.02	−16 7.9	1.909	2.910	3.0	19.3
5 11	15 0.97	−15 30.8	1.902	2.911	1.2	19.2
5 21	14 53.19	−14 54.8	1.923	2.913	5.1	19.5
5 31	14 46.49	−14 24.1	1.970	2.915	8.8	19.7
6 10	14 41.53	−14 1.8	2.041	2.917	12.1	19.9

102114 1999 RW_{168} 5 8.6 114.°25 5.°3/12.9 18

4 1	15 30.60	−35 1.9	2.619	3.356	13.1	18.9
4 11	15 25.59	−35 35.3	2.533	3.365	11.0	18.7
4 21	15 18.50	−35 54.8	2.469	3.374	8.7	18.6
5 1	15 9.93	−35 58.2	2.430	3.383	6.5	18.5
5 11	15 0.69	−35 45.1	2.417	3.392	5.3	18.4
5 21	14 51.68	−35 17.2	2.432	3.401	5.9	18.5
5 31	14 43.77	−34 38.3	2.474	3.409	7.7	18.6
6 10	14 37.62	−33 53.5	2.541	3.417	10.0	18.7

511278 2014 DJ_{28} 5 8.6 201.°97 4.°2/ 5.0 17

4 1	15 26.51	− 6 18.7	2.372	3.194	11.8	21.9
4 11	15 22.20	− 5 25.6	2.289	3.192	9.2	21.7
4 21	15 16.15	− 4 31.6	2.231	3.188	6.5	21.6
5 1	15 8.86	− 3 41.1	2.199	3.185	4.5	21.4
5 11	15 1.03	− 2 58.3	2.195	3.181	4.8	21.4
5 21	14 53.42	− 2 26.8	2.219	3.177	7.1	21.6
5 31	14 46.73	− 2 9.1	2.270	3.173	9.9	21.7
6 10	14 41.52	− 2 6.2	2.343	3.168	12.5	21.9

52351 1993 FN_{17} 5 8.6 52.°69 7.°0/ 3.3 18

4 1	15 26.21	− 1 45.0	1.820	2.656	14.3	18.1
4 11	15 22.14	− 0 16.1	1.778	2.683	11.3	18.0
4 21	15 16.09	+ 1 8.3	1.759	2.710	8.6	17.9
5 1	15 8.77	+ 2 21.2	1.766	2.737	7.1	17.8
5 11	15 1.09	+ 3 16.5	1.798	2.764	7.6	17.9
5 21	14 53.93	+ 3 50.6	1.856	2.791	9.8	18.1
5 31	14 48.03	+ 4 2.3	1.937	2.819	12.3	18.3
6 10	14 43.93	+ 3 53.0	2.039	2.846	14.7	18.5

309331 2007 SZ_{16} 5 8.6 126.°94 0.°8/ 8.2 16

4 1	15 31.92	−17 36.3	1.627	2.450	16.3	22.0
4 11	15 27.20	−17 10.4	1.555	2.459	12.6	21.8
4 21	15 19.82	−16 34.8	1.503	2.468	8.4	21.5
5 1	15 10.55	−15 51.9	1.477	2.477	3.6	21.3
5 11	15 0.52	−15 6.0	1.477	2.485	1.6	21.1
5 21	14 50.94	−14 22.3	1.504	2.493	6.3	21.5
5 31	14 42.89	−13 46.1	1.556	2.501	10.7	21.7
6 10	14 37.17	−13 21.5	1.630	2.508	14.5	22.0

281274 2007 RC_{26} 5 8.6 239.°67 0.°3/ 8.4 18

4 1	15 28.47	−18 6.5	2.482	3.286	11.9	21.8
4 11	15 23.86	−17 46.5	2.376	3.270	9.3	21.6
4 21	15 17.35	−17 19.1	2.294	3.255	6.2	21.3
5 1	15 9.44	−16 45.6	2.239	3.238	2.7	21.1
5 11	15 0.85	−16 8.5	2.213	3.221	1.0	20.9
5 21	14 52.34	−15 31.1	2.215	3.204	4.7	21.2
5 31	14 44.73	−14 56.9	2.246	3.186	8.1	21.3
6 10	14 38.64	−14 29.4	2.301	3.168	11.3	21.5

292986 2006 VV_{168} 5 8.6 293.°81 4.°6/11.4 17

4 1	15 28.75	−29 31.7	1.562	2.363	17.9	20.5
4 11	15 25.57	−29 40.4	1.463	2.345	14.8	20.2
4 21	15 19.29	−29 29.9	1.383	2.327	11.0	19.9
5 1	15 10.53	−28 57.6	1.325	2.309	7.0	19.6
5 11	15 0.47	−28 3.9	1.291	2.292	4.6	19.5
5 21	14 50.52	−26 53.2	1.283	2.274	6.9	19.5
5 31	14 42.12	−25 33.4	1.299	2.257	11.1	19.7
6 10	14 36.35	−24 14.6	1.337	2.240	15.4	19.9

294312 2007 VP_{43} 5 8.6 81.°73 3.°4/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 32.91	−27 5.0	1.528	2.332	18.1	20.8
4 11	15 28.23	−27 5.7	1.464	2.350	14.5	20.6
4 21	15 20.59	−26 49.0	1.419	2.368	10.3	20.4
5 1	15 10.89	−26 14.1	1.397	2.386	5.9	20.2
5 11	15 0.43	−25 23.8	1.400	2.404	3.4	20.1
5 21	14 50.59	−24 23.6	1.430	2.422	6.1	20.3
5 31	14 42.57	−23 21.1	1.484	2.440	10.2	20.6
6 10	14 37.15	−22 24.0	1.562	2.457	14.0	20.8

244654 2003 HR_9 5 8.6 326.°95 4.°6/ 6.0 18

4 1	15 27.17	− 5 5.4	1.949	2.780	13.7	19.4
4 11	15 23.24	− 4 49.0	1.860	2.767	10.8	19.1
4 21	15 17.13	− 4 34.9	1.793	2.753	7.6	18.9
5 1	15 9.39	− 4 26.8	1.752	2.741	5.0	18.7
5 11	15 0.87	− 4 28.3	1.736	2.728	5.0	18.7
5 21	14 52.48	− 4 41.8	1.748	2.716	7.7	18.8
5 31	14 45.16	− 5 8.9	1.784	2.705	11.1	19.0
6 10	14 39.64	− 5 49.5	1.843	2.694	14.3	19.2

348916 2006 TF_{13} 5 8.6 243.°28 2.°0/10.2 18

4 1	15 28.57	−24 40.2	2.555	3.340	12.2	21.9
4 11	15 23.99	−24 44.2	2.449	3.327	9.7	21.7
4 21	15 17.47	−24 38.5	2.366	3.314	6.9	21.5
5 1	15 9.51	−24 22.7	2.309	3.300	3.8	21.3
5 11	15 0.84	−23 58.0	2.281	3.286	2.0	21.1
5 21	14 52.26	−23 26.6	2.281	3.272	4.4	21.3
5 31	14 44.58	−22 52.2	2.309	3.257	7.5	21.4
6 10	14 38.47	−22 18.9	2.363	3.242	10.5	21.6

382850 2004 EJ_{30} 5 8.6 27.°18 0.°7/ 8.2 17

4 1	15 26.62	−16 28.8	1.635	2.470	15.7	20.4
4 11	15 23.06	−16 19.8	1.570	2.481	12.1	20.2
4 21	15 17.05	−16 3.5	1.525	2.493	8.0	20.0
5 1	15 9.33	−15 42.1	1.505	2.506	3.5	19.7
5 11	15 0.93	−15 19.0	1.511	2.519	1.5	19.6
5 21	14 52.95	−14 57.9	1.542	2.534	5.9	19.9
5 31	14 46.38	−14 42.9	1.599	2.548	10.1	20.2
6 10	14 41.93	−14 37.0	1.677	2.564	13.7	20.5

235259 2003 SV_{414} 5 8.6 135.°93 0.°7/ 9.1 17

4 1	15 29.49	−19 54.1	2.009	2.819	14.1	21.5
4 11	15 24.99	−19 54.8	1.925	2.821	11.1	21.3
4 21	15 18.25	−19 47.0	1.863	2.823	7.4	21.0
5 1	15 9.87	−19 31.4	1.826	2.825	3.5	20.8
5 11	15 0.76	−19 10.0	1.817	2.827	1.1	20.6
5 21	14 51.90	−18 45.8	1.836	2.828	5.0	20.9
5 31	14 44.24	−18 22.9	1.882	2.830	8.9	21.1
6 10	14 38.49	−18 5.0	1.951	2.832	12.3	21.3

427879 2005 SO_{147} 5 8.6 173.°85 0.°2/ 8.8 17

4 1	15 31.20	−19 19.9	2.378	3.176	12.6	23.0
4 11	15 25.91	−19 8.5	2.289	3.179	9.8	22.8
4 21	15 18.65	−18 49.4	2.224	3.182	6.5	22.6
5 1	15 9.99	−18 23.5	2.186	3.184	2.9	22.4
5 11	15 0.73	−17 53.1	2.176	3.185	0.9	22.2
5 21	14 51.70	−17 21.2	2.196	3.186	4.6	22.5
5 31	14 43.71	−16 51.5	2.244	3.186	8.0	22.7
6 10	14 37.40	−16 27.3	2.317	3.186	11.1	22.9

87170 2000 OS_3 5 8.6 202.°06 0.°3/ 8.4 18

4 1	15 29.58	−18 34.5	2.595	3.393	11.6	20.2
4 11	15 24.54	−18 6.2	2.497	3.388	9.0	20.0
4 21	15 17.70	−17 30.1	2.422	3.382	6.0	19.8
5 1	15 9.57	−16 47.8	2.376	3.375	2.6	19.6
5 11	15 0.86	−16 2.0	2.358	3.367	1.0	19.5
5 21	14 52.33	−15 16.0	2.371	3.358	4.5	19.7
5 31	14 44.70	−14 33.7	2.411	3.349	7.8	19.9
6 10	14 38.58	−13 58.5	2.478	3.339	10.7	20.1

413354 2003 YP_{54} 5 8.6 151.°82 2.°2/ 7.3 17

4 1	15 33.38	−12 6.6	1.999	2.814	14.0	22.0
4 11	15 27.80	−11 48.5	1.923	2.823	10.8	21.9
4 21	15 19.99	−11 27.1	1.869	2.832	7.2	21.6
5 1	15 10.59	−11 4.7	1.842	2.840	3.5	21.4
5 11	15 0.55	−10 44.7	1.843	2.847	2.7	21.4
5 21	14 50.85	−10 30.0	1.872	2.853	6.1	21.6
5 31	14 42.41	−10 23.7	1.928	2.859	9.8	21.8
6 10	14 35.92	−10 27.4	2.008	2.864	13.1	22.1

205053 1999 CW_{148} 5 8.6 209.°66 5.°9/ 3.1 18

4 1	15 26.60	+ 0 55.6	2.650	3.462	11.0	21.0
4 11	15 22.10	+ 1 56.4	2.568	3.456	8.9	20.8
4 21	15 16.01	+ 2 53.8	2.511	3.449	7.0	20.7
5 1	15 8.80	+ 3 43.2	2.481	3.442	5.9	20.6
5 11	15 1.11	+ 4 20.2	2.479	3.435	6.4	20.6
5 21	14 53.59	+ 4 42.1	2.504	3.426	8.2	20.7
5 31	14 46.88	+ 4 47.2	2.554	3.418	10.3	20.9
6 10	14 41.51	+ 4 35.7	2.626	3.408	12.4	21.0

423552 2005 UK_{313} 5 8.6 122°.01 1°.4/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 34.42	−20 29.5	2.035	2.833	14.4	21.4
4 11	15 28.72	−20 52.3	1.958	2.846	11.3	21.2
4 21	15 20.66	−21 7.3	1.903	2.858	7.7	21.0
5 1	15 10.92	−21 14.1	1.874	2.870	3.8	20.8
5 11	15 0.46	−21 13.6	1.874	2.882	1.5	20.7
5 21	14 50.32	−21 7.8	1.902	2.893	5.0	20.9
5 31	14 41.48	−21 0.1	1.957	2.904	8.7	21.2
6 10	14 34.69	−20 54.1	2.037	2.914	12.0	21.4

506972 2008 SP_{39} 5 8.6 271°.57 0°.9/ 9.2 17

4 1	15 30.17	−20 1.6	1.934	2.745	14.6	21.6
4 11	15 25.82	−20 10.2	1.836	2.732	11.5	21.4
4 21	15 19.01	−20 10.6	1.759	2.718	7.8	21.2
5 1	15 10.30	−20 2.8	1.707	2.705	3.7	20.9
5 11	15 0.61	−19 48.1	1.682	2.691	1.3	20.7
5 21	14 51.01	−19 29.4	1.685	2.677	5.4	20.9
5 31	14 42.57	−19 10.7	1.713	2.663	9.5	21.1
6 10	14 36.15	−18 56.0	1.766	2.649	13.3	21.3

171322 2006 HY_{90} 5 8.6 326°.83 4°.2/ 6.9 17

4 1	15 29.23	− 9 11.9	1.270	2.123	18.3	19.5
4 11	15 25.99	− 8 54.0	1.192	2.113	14.3	19.2
4 21	15 19.57	− 8 34.6	1.133	2.103	9.8	18.9
5 1	15 10.66	− 8 18.3	1.097	2.094	5.4	18.6
5 11	15 0.52	− 8 10.3	1.084	2.086	4.9	18.6
5 21	14 50.60	− 8 14.8	1.095	2.078	9.1	18.8
5 31	14 42.36	− 8 34.9	1.128	2.071	14.0	19.0
6 10	14 36.84	− 9 11.2	1.180	2.065	18.4	19.3

187998 2001 SO_{175} 5 8.6 195°.77 2°.2/ 7.3 17

4 1	15 30.10	−12 58.3	1.933	2.756	14.1	20.6
4 11	15 25.47	−12 33.4	1.850	2.755	10.9	20.4
4 21	15 18.57	−12 3.7	1.788	2.753	7.3	20.2
5 1	15 10.03	−11 32.0	1.752	2.751	3.5	20.0
5 11	15 0.74	−11 2.0	1.744	2.749	2.7	19.9
5 21	14 51.71	−10 37.5	1.763	2.746	6.3	20.1
5 31	14 43.88	−10 22.0	1.808	2.743	10.1	20.3
6 10	14 37.96	−10 17.9	1.877	2.740	13.5	20.5

281921 2011 FN_{11} 5 8.6 114°.32 4°.5/ 5.0 17

4 1	15 27.57	− 8 25.3	2.002	2.831	13.5	20.9
4 11	15 23.21	− 7 9.4	1.936	2.843	10.4	20.8
4 21	15 16.87	− 5 50.9	1.893	2.855	7.2	20.6
5 1	15 9.19	− 4 35.2	1.877	2.866	4.8	20.5
5 11	15 1.03	− 3 28.3	1.889	2.877	5.1	20.5
5 21	14 53.24	− 2 35.1	1.928	2.888	7.8	20.7
5 31	14 46.62	− 1 59.0	1.992	2.899	10.8	20.9
6 10	14 41.74	− 1 41.1	2.078	2.909	13.6	21.1

273897 2007 HN_{43} 5 8.6 295°.02 2°.8/ 6.8 18

4 1	15 26.71	−12 52.2	1.750	2.585	14.8	20.3
4 11	15 23.18	−12 11.0	1.660	2.572	11.5	20.1
4 21	15 17.25	−11 23.0	1.592	2.560	7.7	19.8
5 1	15 9.51	−10 32.2	1.549	2.548	3.9	19.5
5 11	15 0.90	− 9 43.6	1.532	2.536	3.4	19.5
5 21	14 52.46	− 9 2.5	1.542	2.523	7.2	19.7
5 31	14 45.24	− 8 33.6	1.576	2.512	11.3	19.9
6 10	14 40.04	− 8 19.8	1.632	2.500	15.0	20.1

69107 2003 CG_{8} 5 8.6 270°.59 5°.2/ 5.2 18

4 1	15 29.02	− 5 46.6	1.891	2.721	14.1	19.1
4 11	15 24.83	− 4 58.3	1.795	2.701	11.2	18.8
4 21	15 18.30	− 4 8.9	1.721	2.680	8.0	18.6
5 1	15 9.99	− 3 23.4	1.672	2.659	5.5	18.4
5 11	15 0.76	− 2 47.4	1.649	2.637	5.8	18.4
5 21	14 51.60	− 2 25.4	1.654	2.615	8.7	18.5
5 31	14 43.53	− 2 20.7	1.682	2.593	12.3	18.6
6 10	14 37.35	− 2 34.2	1.733	2.571	15.6	18.8

4707 Khryses 5 8.6 221°.25 1°.5/10.9 18 R

4 1	15 19.91	−26 46.5	4.948	5.712	6.9	18.4
4 11	15 16.40	−26 43.4	4.844	5.707	5.5	18.3
4 21	15 12.01	−26 34.4	4.765	5.702	4.0	18.1
5 1	15 7.00	−26 19.6	4.713	5.697	2.4	18.0
5 11	15 1.72	−25 59.9	4.691	5.692	1.5	17.9
5 21	14 56.52	−25 36.5	4.699	5.687	2.4	18.0
5 31	14 51.75	−25 10.8	4.736	5.682	4.0	18.1
6 10	14 47.71	−24 44.9	4.800	5.676	5.6	18.2

395910 2013 AQ_{80} 5 8.6 143°.57 3°.6/ 5.2 18

4 1	15 25.49	− 6 27.2	2.788	3.605	10.4	22.0
4 11	15 21.10	− 5 38.5	2.714	3.614	8.1	21.8
4 21	15 15.26	− 4 49.6	2.665	3.622	5.7	21.7
5 1	15 8.46	− 4 3.8	2.644	3.630	3.8	21.6
5 11	15 1.27	− 3 24.7	2.652	3.638	4.0	21.6
5 21	14 54.32	− 2 55.1	2.688	3.645	6.0	21.7
5 31	14 48.17	− 2 36.9	2.751	3.652	8.4	21.9
6 10	14 43.28	− 2 31.0	2.838	3.659	10.6	22.1

91633 1999 TM_{71} 5 8.6 114°.11 1°.3/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 24.66	−15 52.7	2.432	3.248	11.8	19.5
4 11	15 20.80	−15 10.9	2.347	3.250	9.0	19.3
4 21	15 15.24	−14 22.4	2.287	3.251	5.9	19.1
5 1	15 8.49	−13 30.0	2.253	3.253	2.7	18.9
5 11	15 1.26	−12 37.2	2.248	3.254	1.8	18.8
5 21	14 54.25	−11 48.1	2.271	3.255	5.0	19.1
5 31	14 48.16	−11 6.2	2.321	3.257	8.2	19.3
6 10	14 43.53	−10 34.4	2.396	3.258	11.0	19.4

179710 2002 RC_{50} 5 8.6 192°.40 1°.1/ 7.9 17

4 1	15 31.24	−15 58.0	2.123	2.934	13.4	21.3
4 11	15 26.18	−15 33.4	2.033	2.932	10.4	21.1
4 21	15 18.97	−15 1.8	1.967	2.930	6.9	20.9
5 1	15 10.20	−14 25.4	1.927	2.927	3.0	20.7
5 11	15 0.73	−13 47.5	1.916	2.923	1.7	20.6
5 21	14 51.48	−13 11.8	1.933	2.919	5.5	20.8
5 31	14 43.36	−12 42.4	1.977	2.914	9.3	21.0
6 10	14 37.06	−12 22.3	2.045	2.908	12.6	21.2

257642 1999 TP_{265} 5 8.6 195°.11 2°.6/ 5.6 17

4 1	15 24.91	−11 36.4	3.008	3.820	9.9	21.1
4 11	15 20.62	−10 23.9	2.917	3.817	7.6	21.0
4 21	15 14.95	− 9 6.7	2.853	3.814	5.1	20.8
5 1	15 8.33	− 7 48.4	2.818	3.811	2.9	20.7
5 11	15 1.32	− 6 33.1	2.813	3.807	3.1	20.7
5 21	14 54.50	− 5 24.6	2.838	3.803	5.3	20.8
5 31	14 48.41	− 4 26.4	2.891	3.799	7.8	21.0
6 10	14 43.49	− 3 40.7	2.969	3.794	10.1	21.1

176045 2000 SX_{309} 5 8.6 159°.39 1°.3/ 9.8 18

4 1	15 32.96	−26 49.4	1.920	2.707	15.5	20.7
4 11	15 27.68	−25 41.5	1.834	2.714	12.3	20.5
4 21	15 19.97	−24 14.2	1.769	2.721	8.5	20.3
5 1	15 10.60	−22 29.4	1.732	2.726	4.2	20.0
5 11	15 0.63	−20 32.8	1.723	2.731	1.4	19.9
5 21	14 51.16	−18 32.5	1.744	2.736	5.3	20.1
5 31	14 43.16	−16 37.4	1.793	2.739	9.4	20.4
6 10	14 37.31	−14 55.2	1.867	2.742	13.1	20.6

277713 2006 DY_{30} 5 8.6 24°.21 3°.1/ 6.6 17

4 1	15 26.27	−12 15.9	1.666	2.505	15.3	20.4
4 11	15 22.76	−11 31.0	1.594	2.509	11.8	20.2
4 21	15 16.87	−10 40.5	1.544	2.513	7.8	20.0
5 1	15 9.30	− 9 48.9	1.519	2.517	4.1	19.8
5 11	15 1.02	− 9 1.6	1.520	2.522	3.7	19.8
5 21	14 53.11	− 8 23.7	1.546	2.527	7.3	20.0
5 31	14 46.53	− 7 59.3	1.598	2.532	11.2	20.2
6 10	14 41.99	− 7 50.4	1.670	2.538	14.7	20.5

275464 2011 DW_{3} 5 8.6 20°.21 3°.6/10.5 17

4 1	15 28.83	−25 10.5	1.437	2.257	18.2	20.0
4 11	15 25.46	−25 39.1	1.366	2.263	14.6	19.8
4 21	15 19.06	−25 53.2	1.314	2.269	10.4	19.5
5 1	15 10.37	−25 51.3	1.284	2.276	6.1	19.3
5 11	15 0.68	−25 34.3	1.279	2.283	3.6	19.2
5 21	14 51.38	−25 5.7	1.298	2.292	6.5	19.4
5 31	14 43.80	−24 31.9	1.342	2.301	10.7	19.6
6 10	14 38.86	−23 59.5	1.406	2.310	14.7	19.9

360752 2004 XM_{57} 5 8.6 103°.69 3°.8/ 6.7 17

4 1	15 31.66	− 9 47.9	1.506	2.343	16.7	20.8
4 11	15 27.16	− 9 17.8	1.437	2.349	13.0	20.6
4 21	15 19.90	− 8 45.1	1.389	2.355	8.8	20.4
5 1	15 10.67	− 8 14.3	1.364	2.361	4.8	20.2
5 11	15 0.60	− 7 50.4	1.366	2.366	4.4	20.1
5 21	14 50.96	− 7 37.5	1.393	2.372	8.1	20.4
5 31	14 42.89	− 7 38.7	1.444	2.377	12.3	20.6
6 10	14 37.21	− 7 55.0	1.516	2.382	16.0	20.9

4463 Marschwarzschild 5 8.6 176°.04 0°.6/ 8.0 18

4 1	15 25.99	−16 33.1	2.950	3.753	10.2	18.9
4 11	15 21.52	−16 11.0	2.861	3.755	7.9	18.7
4 21	15 15.59	−15 43.6	2.795	3.757	5.2	18.5
5 1	15 8.63	−15 12.7	2.758	3.758	2.3	18.3
5 11	15 1.24	−14 40.4	2.750	3.758	1.1	18.2
5 21	14 54.02	−14 9.3	2.772	3.759	4.0	18.5
5 31	14 47.57	−13 42.2	2.822	3.759	6.8	18.6
6 10	14 42.37	−13 21.3	2.898	3.758	9.4	18.8

186272 2001 YZ_{140} 5 8.6 302°.28 1°.2/ 7.1 18

4 1	15 19.98	−11 58.9	4.140	4.950	7.4	20.0
4 11	15 16.56	−11 44.6	4.042	4.941	5.7	19.9
4 21	15 12.17	−11 28.5	3.969	4.932	3.7	19.7
5 1	15 7.09	−11 12.1	3.925	4.923	1.8	19.6
5 11	15 1.71	−10 57.0	3.911	4.914	1.5	19.5
5 21	14 56.42	−10 44.4	3.926	4.905	3.3	19.6
5 31	14 51.58	−10 35.9	3.969	4.897	5.3	19.8
6 10	14 47.53	−10 32.6	4.038	4.888	7.2	19.9

55941 1998 HS_4 5 8.6 338°.52 1°.0/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 24.22	−17 23.7	1.980	2.806	13.7	19.3
4 11	15 20.95	−16 44.7	1.893	2.800	10.6	19.1
4 21	15 15.59	−15 56.5	1.828	2.794	7.0	18.9
5 1	15 8.73	−15 1.8	1.789	2.789	3.1	18.6
5 11	15 1.20	−14 5.0	1.777	2.785	1.7	18.5
5 21	14 53.90	−13 10.8	1.792	2.780	5.6	18.7
5 31	14 47.69	−12 24.3	1.833	2.777	9.4	19.0
6 10	14 43.25	−11 49.2	1.897	2.773	12.9	19.2

167912 2005 ED_{101} 5 8.6 157°.94 0°.0/ 8.4 18

4 1	15 34.23	−18 7.6	2.028	2.831	14.2	21.0
4 11	15 28.55	−18 2.4	1.946	2.840	11.1	20.8
4 21	15 20.55	−17 49.6	1.888	2.847	7.4	20.6
5 1	15 10.90	−17 30.3	1.855	2.854	3.3	20.3
5 11	15 0.54	−17 6.8	1.851	2.860	1.0	20.2
5 21	14 50.50	−16 42.2	1.876	2.865	5.2	20.5
5 31	14 41.74	−16 20.5	1.927	2.870	9.1	20.7
6 10	14 34.98	−16 5.2	2.003	2.873	12.5	20.9

379639 2011 DK_{37} 5 8.6 245°.66 7°.4/ 2.6 17

4 1	15 26.70	− 1 6.4	1.880	2.713	14.1	20.7
4 11	15 22.84	+ 0 24.5	1.804	2.706	11.4	20.5
4 21	15 16.84	+ 1 53.9	1.751	2.699	8.8	20.4
5 1	15 9.28	+ 3 14.3	1.724	2.692	7.5	20.3
5 11	15 1.04	+ 4 18.6	1.722	2.684	8.2	20.3
5 21	14 53.04	+ 5 1.4	1.746	2.676	10.6	20.4
5 31	14 46.18	+ 5 20.1	1.793	2.669	13.4	20.6
6 10	14 41.13	+ 5 14.9	1.860	2.661	16.1	20.7

296818 2009 WW_5 5 8.6 149°.92 2°.5/ 7.0 17

4 1	15 29.59	−11 55.0	1.970	2.794	13.9	21.7
4 11	15 24.96	−11 26.4	1.893	2.798	10.7	21.5
4 21	15 18.18	−10 53.9	1.837	2.802	7.1	21.3
5 1	15 9.85	−10 20.7	1.808	2.806	3.6	21.1
5 11	15 0.88	− 9 50.5	1.807	2.809	3.0	21.0
5 21	14 52.21	− 9 27.1	1.832	2.813	6.4	21.2
5 31	14 44.73	− 9 13.6	1.884	2.816	10.0	21.5
6 10	14 39.10	− 9 11.9	1.959	2.818	13.2	21.7

123257 2000 UT_{73} 5 8.6 199°.50 0°.4/ 8.9 18

4 1	15 30.51	−19 37.6	2.323	3.123	12.8	20.7
4 11	15 25.53	−19 30.3	2.229	3.119	10.0	20.5
4 21	15 18.51	−19 15.2	2.157	3.115	6.7	20.2
5 1	15 10.01	−18 53.0	2.113	3.111	3.1	20.0
5 11	15 0.82	−18 25.7	2.097	3.106	0.9	19.8
5 21	14 51.81	−17 56.3	2.110	3.101	4.6	20.1
5 31	14 43.83	−17 28.4	2.150	3.094	8.2	20.3
6 10	14 37.54	−17 5.6	2.216	3.088	11.4	20.5

264665 2001 XE_{133} 5 8.6 44°.58 1°.0/ 9.3 17

4 1	15 27.21	−24 15.7	1.440	2.265	18.0	19.8
4 11	15 23.81	−23 24.5	1.379	2.283	14.0	19.6
4 21	15 17.65	−22 14.8	1.339	2.301	9.5	19.4
5 1	15 9.62	−20 49.9	1.322	2.320	4.5	19.1
5 11	15 0.98	−19 16.4	1.330	2.340	1.3	18.9
5 21	14 52.98	−17 42.8	1.365	2.359	6.0	19.3
5 31	14 46.69	−16 17.7	1.424	2.380	10.6	19.6
6 10	14 42.80	−15 7.8	1.506	2.400	14.5	19.9

199150 2005 YJ_{150} 5 8.6 195°.56 2°.9/ 7.1 16

4 1	15 33.91	−11 24.6	1.679	2.504	15.8	21.2
4 11	15 28.80	−11 1.5	1.596	2.502	12.3	20.9
4 21	15 20.99	−10 34.5	1.535	2.500	8.3	20.7
5 1	15 11.19	−10 7.0	1.499	2.497	4.2	20.4
5 11	15 0.46	− 9 43.0	1.490	2.493	3.5	20.4
5 21	14 50.00	− 9 26.7	1.508	2.489	7.4	20.6
5 31	14 40.98	− 9 21.4	1.551	2.484	11.6	20.8
6 10	14 34.23	− 9 29.3	1.616	2.479	15.4	21.1

320657 2008 CS_{152} 5 8.6 67°.45 6°.2/11.9 17

4 1	15 35.18	−31 6.9	1.520	2.306	18.9	20.8
4 11	15 30.36	−31 57.5	1.455	2.324	15.6	20.6
4 21	15 22.27	−32 29.9	1.409	2.341	11.9	20.4
5 1	15 11.78	−32 40.1	1.385	2.359	8.2	20.2
5 11	15 0.29	−32 27.2	1.386	2.376	6.2	20.2
5 21	14 49.36	−31 54.6	1.412	2.394	7.6	20.3
5 31	14 40.37	−31 9.2	1.462	2.412	10.8	20.5
6 10	14 34.25	−30 19.6	1.534	2.429	14.3	20.8

499322 2009 WV_{133} 5 8.6 188°.63 0°.3/ 8.9 17

4 1	15 30.43	−20 1.4	2.403	3.200	12.5	23.1
4 11	15 25.36	−19 44.8	2.310	3.199	9.7	22.9
4 21	15 18.34	−19 19.7	2.240	3.198	6.5	22.7
5 1	15 9.92	−18 47.2	2.198	3.196	3.0	22.4
5 11	15 0.87	−18 9.7	2.184	3.193	0.9	22.3
5 21	14 52.03	−17 30.4	2.199	3.189	4.5	22.5
5 31	14 44.21	−16 53.2	2.243	3.185	8.0	22.7
6 10	14 38.02	−16 21.8	2.311	3.180	11.1	22.9

377759 2005 YF_{48} 5 8.6 209°.80 1°.5/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 29.71	−14 25.7	2.287	3.099	12.6	22.0
4 11	15 24.88	−13 59.8	2.193	3.093	9.7	21.8
4 21	15 18.07	−13 28.4	2.123	3.086	6.4	21.6
5 1	15 9.82	−12 53.7	2.080	3.079	3.0	21.3
5 11	15 0.90	−12 18.9	2.065	3.071	2.0	21.3
5 21	14 52.15	−11 47.5	2.079	3.063	5.4	21.5
5 31	14 44.39	−11 22.9	2.120	3.054	8.9	21.7
6 10	14 38.29	−11 7.7	2.186	3.044	12.1	21.8

487572 2014 WG_{387} 5 8.6 196°.82 1°.0/ 7.0 17

4 1	15 18.28	−13 34.2	4.871	5.678	6.4	21.6
4 11	15 15.10	−13 1.9	4.779	5.676	4.9	21.5
4 21	15 11.13	−12 27.3	4.712	5.675	3.2	21.4
5 1	15 6.63	−11 51.5	4.675	5.673	1.5	21.2
5 11	15 1.90	−11 16.5	4.668	5.671	1.3	21.2
5 21	14 57.27	−10 43.6	4.691	5.670	2.9	21.3
5 31	14 53.04	−10 14.6	4.742	5.668	4.6	21.4
6 10	14 49.47	− 9 50.6	4.820	5.666	6.2	21.6

501158 2013 TM_{77} 5 8.6 213°.23 4°.8/12.2 17

4 1	15 32.59	−32 53.0	2.273	3.026	14.4	22.6
4 11	15 27.52	−33 6.8	2.171	3.019	12.0	22.4
4 21	15 20.04	−33 4.9	2.091	3.011	9.2	22.2
5 1	15 10.76	−32 45.1	2.035	3.003	6.5	22.0
5 11	15 0.61	−32 7.4	2.006	2.994	4.8	21.9
5 21	14 50.64	−31 14.4	2.004	2.985	5.9	22.0
5 31	14 41.88	−30 11.3	2.030	2.974	8.6	22.1
6 10	14 35.14	−29 4.7	2.081	2.964	11.6	22.3

189246 2004 RA_{201} 5 8.6 205°.77 1°.1/ 9.6 18

4 1	15 29.27	−23 28.2	2.534	3.321	12.2	20.9
4 11	15 24.43	−23 2.7	2.433	3.315	9.6	20.7
4 21	15 17.71	−22 26.3	2.356	3.309	6.6	20.5
5 1	15 9.64	−21 39.7	2.306	3.302	3.3	20.2
5 11	15 0.97	−20 45.4	2.285	3.294	1.2	20.1
5 21	14 52.49	−19 47.1	2.294	3.285	4.3	20.3
5 31	14 44.97	−18 49.3	2.331	3.276	7.6	20.5
6 10	14 39.03	−17 56.6	2.393	3.266	10.6	20.6

37111 2000 UP_{103} 5 8.6 210°.47 2°.2/10.6 18

4 1	15 27.46	−26 30.3	2.864	3.638	11.2	20.0
4 11	15 22.89	−26 28.2	2.763	3.633	9.0	19.8
4 21	15 16.63	−26 16.0	2.685	3.627	6.4	19.6
5 1	15 9.16	−25 53.6	2.634	3.621	3.8	19.4
5 11	15 1.12	−25 22.1	2.611	3.614	2.2	19.3
5 21	14 53.23	−24 44.1	2.617	3.607	4.0	19.4
5 31	14 46.18	−24 2.7	2.652	3.600	6.7	19.6
6 10	14 40.53	−23 22.0	2.713	3.592	9.3	19.8

303221 2004 NC 5 8.6 298°.95 5°.6/ 6.0 17

4 1	15 29.19	− 8 2.4	1.280	2.132	18.1	20.7
4 11	15 26.23	− 7 21.2	1.186	2.106	14.4	20.4
4 21	15 19.99	− 6 36.4	1.112	2.080	10.2	20.1
5 1	15 11.02	− 5 54.0	1.060	2.054	6.3	19.8
5 11	15 0.48	− 5 21.5	1.031	2.028	6.4	19.7
5 21	14 49.87	− 5 5.5	1.025	2.002	10.6	19.8
5 31	14 40.75	− 5 10.9	1.041	1.977	15.7	20.0
6 10	14 34.37	− 5 39.4	1.075	1.951	20.4	20.2

135115 2001 QA_{115} 5 8.6 135°.96 0°.0/ 8.4 18

4 1	15 27.35	−19 32.8	2.774	3.571	11.0	20.7
4 11	15 22.61	−19 4.7	2.694	3.584	8.5	20.5
4 21	15 16.31	−18 29.2	2.638	3.596	5.6	20.3
5 1	15 8.96	−17 48.0	2.609	3.608	2.5	20.1
5 11	15 1.21	−17 3.7	2.610	3.619	0.8	20.0
5 21	14 53.73	−16 19.3	2.641	3.630	4.0	20.3
5 31	14 47.13	−15 38.3	2.700	3.641	6.9	20.5
6 10	14 41.90	−15 3.5	2.785	3.651	9.5	20.7

353870 2012 WJ_9 5 8.7 52°.80 2°.4/10.5 17

4 1	15 26.83	−26 23.4	2.121	2.915	14.0	20.4
4 11	15 22.88	−26 11.5	2.039	2.921	11.2	20.2
4 21	15 16.82	−25 46.0	1.979	2.928	7.9	20.0
5 1	15 9.27	−25 7.3	1.944	2.934	4.5	19.8
5 11	15 1.11	−24 17.9	1.936	2.941	2.4	19.6
5 21	14 53.27	−23 21.7	1.955	2.948	4.7	19.8
5 31	14 46.60	−22 24.0	2.002	2.955	8.2	20.0
6 10	14 41.75	−21 30.2	2.072	2.962	11.4	20.2

160410 2004 VW_{15} 5 8.7 283°.70 7°.3/ 4.4 17

4 1	15 29.37	− 4 35.0	1.451	2.295	16.8	20.3
4 11	15 25.88	− 3 25.4	1.359	2.272	13.5	20.0
4 21	15 19.45	− 2 13.4	1.287	2.247	10.0	19.8
5 1	15 10.68	− 1 6.8	1.239	2.223	7.5	19.5
5 11	15 0.63	− 0 14.3	1.215	2.198	8.1	19.5
5 21	14 50.60	+ 0 17.1	1.215	2.173	11.5	19.6
5 31	14 41.94	+ 0 22.6	1.237	2.148	15.7	19.8
6 10	14 35.71	+ 0 1.7	1.277	2.123	19.7	20.0

244894 2003 WV_{44} 5 8.7 101°.35 4°.4/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.01	− 4 13.5	2.309	3.123	12.4	20.7
4 11	15 25.50	− 3 45.8	2.249	3.145	9.7	20.6
4 21	15 18.23	− 3 20.6	2.214	3.168	6.9	20.4
5 1	15 9.80	− 3 1.4	2.205	3.189	4.7	20.3
5 11	15 0.98	− 2 51.1	2.225	3.210	4.8	20.4
5 21	14 52.55	− 2 51.9	2.273	3.231	6.9	20.5
5 31	14 45.21	− 3 4.6	2.348	3.251	9.5	20.7
6 10	14 39.49	− 3 29.2	2.446	3.271	12.0	20.9

439585 2014 DZ_{115} 5 8.7 111°.11 4°.1/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.44	− 7 2.0	2.288	3.114	12.1	21.0
4 11	15 21.44	− 6 8.7	2.213	3.118	9.4	20.8
4 21	15 15.70	− 5 14.5	2.162	3.122	6.6	20.6
5 1	15 8.74	− 4 23.6	2.138	3.125	4.4	20.5
5 11	15 1.30	− 3 40.4	2.141	3.129	4.6	20.5
5 21	14 54.11	− 3 8.4	2.172	3.133	7.0	20.7
5 31	14 47.87	− 2 50.3	2.228	3.136	9.8	20.9
6 10	14 43.14	− 2 46.8	2.308	3.140	12.4	21.0

103930 2000 DG_{65} 5 8.7 290°.74 3°.9/ 6.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.01	−10 57.2	1.620	2.459	15.6	19.6
4 11	15 24.57	−10 10.6	1.520	2.434	12.3	19.3
4 21	15 18.45	− 9 17.4	1.442	2.409	8.4	19.0
5 1	15 10.20	− 8 22.3	1.387	2.384	4.7	18.7
5 11	15 0.80	− 7 31.1	1.359	2.358	4.6	18.6
5 21	14 51.42	− 6 50.1	1.356	2.333	8.5	18.8
5 31	14 43.26	− 6 24.5	1.376	2.308	12.9	19.0
6 10	14 37.30	− 6 17.5	1.418	2.283	17.0	19.2

182201 2000 VD_{20} 5 8.7 130°.56 0°.6/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.63	−16 10.3	2.728	3.532	11.0	20.9
4 11	15 22.87	−15 59.9	2.648	3.543	8.4	20.7
4 21	15 16.52	−15 44.7	2.592	3.553	5.5	20.6
5 1	15 9.08	−15 26.2	2.563	3.562	2.4	20.4
5 11	15 1.20	−15 6.5	2.564	3.572	1.1	20.3
5 21	14 53.55	−14 47.8	2.594	3.581	4.2	20.5
5 31	14 46.76	−14 32.5	2.652	3.590	7.1	20.7
6 10	14 41.35	−14 22.9	2.735	3.599	9.8	20.9

320496 2007 WL_{42} 5 8.7 162°.64 0°.6/ 8.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.30	−17 44.0	1.915	2.727	14.6	22.8
4 11	15 27.20	−17 19.5	1.834	2.733	11.4	22.6
4 21	15 19.74	−16 46.1	1.776	2.738	7.5	22.4
5 1	15 10.59	−16 6.1	1.743	2.743	3.3	22.1
5 11	15 0.74	−15 22.8	1.738	2.747	1.4	22.0
5 21	14 51.21	−14 40.7	1.761	2.750	5.6	22.3
5 31	14 43.01	−14 4.4	1.811	2.752	9.7	22.5
6 10	14 36.84	−13 37.9	1.884	2.754	13.2	22.7

203014 1999 XC_{233} 5 8.7 268°.81 3°.3/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.67	− 8 40.7	2.128	2.947	13.1	20.2
4 11	15 25.94	− 8 21.4	2.022	2.924	10.3	19.9
4 21	15 19.00	− 8 1.0	1.939	2.900	7.1	19.7
5 1	15 10.34	− 7 42.2	1.882	2.876	4.1	19.4
5 11	15 0.78	− 7 28.7	1.853	2.852	3.8	19.4
5 21	14 51.22	− 7 23.3	1.853	2.827	6.9	19.5
5 31	14 42.62	− 7 28.7	1.878	2.802	10.5	19.7
6 10	14 35.75	− 7 46.2	1.927	2.776	13.8	19.8

16183 2000 AX_{138} 5 8.7 304°.99 3°.1/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.65	− 9 44.8	2.130	2.958	12.8	18.1
4 11	15 21.98	− 9 15.5	2.032	2.940	10.0	17.8
4 21	15 16.30	− 8 43.6	1.957	2.921	6.8	17.6
5 1	15 9.11	− 8 12.3	1.908	2.903	3.8	17.4
5 11	15 1.17	− 7 45.6	1.885	2.885	3.6	17.3
5 21	14 53.32	− 7 26.9	1.891	2.866	6.6	17.5
5 31	14 46.41	− 7 19.1	1.921	2.849	10.1	17.6
6 10	14 41.13	− 7 24.0	1.975	2.831	13.3	17.8

166118 2002 CU_{216} 5 8.7 166°.53 0°.4/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.48	−17 46.7	1.891	2.701	14.9	21.2
4 11	15 28.16	−17 29.0	1.809	2.706	11.6	21.0
4 21	15 20.41	−17 2.9	1.749	2.711	7.7	20.7
5 1	15 10.90	−16 29.8	1.715	2.715	3.4	20.5
5 11	15 0.64	−15 53.1	1.709	2.718	1.3	20.3
5 21	14 50.70	−15 16.9	1.731	2.721	5.6	20.6
5 31	14 42.12	−14 45.7	1.780	2.722	9.8	20.9
6 10	14 35.62	−14 23.2	1.852	2.723	13.3	21.1

357905 2005 VY_{69} 5 8.7 222°.02 1°.5/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.92	−16 8.5	1.721	2.541	15.7	22.1
4 11	15 28.14	−15 35.2	1.628	2.532	12.3	21.8
4 21	15 20.65	−14 52.5	1.557	2.522	8.2	21.5
5 1	15 11.11	−14 2.9	1.511	2.511	3.7	21.2
5 11	15 0.56	−13 10.9	1.491	2.499	2.2	21.1
5 21	14 50.20	−12 21.9	1.499	2.486	6.7	21.4
5 31	14 41.20	−11 41.7	1.533	2.472	11.3	21.6
6 10	14 34.45	−11 14.5	1.589	2.458	15.3	21.8

513077 2017 WE_{21} 5 8.7 240°.92 1°.4/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 33.21	−20 40.1	2.142	2.939	13.8	21.8
4 11	15 28.01	−21 0.3	2.038	2.926	10.9	21.6
4 21	15 20.43	−21 13.3	1.957	2.912	7.5	21.3
5 1	15 11.00	−21 18.4	1.902	2.898	3.8	21.1
5 11	15 0.59	−21 16.3	1.875	2.883	1.5	20.9
5 21	14 50.22	−21 8.8	1.877	2.868	5.0	21.1
5 31	14 40.91	−20 59.0	1.906	2.852	8.9	21.3
6 10	14 33.52	−20 50.7	1.959	2.836	12.5	21.5

472131 2014 BK_{40} 5 8.7 101°.37 0°.3/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.09	−17 38.1	2.157	2.970	13.2	21.9
4 11	15 23.71	−17 26.5	2.076	2.976	10.2	21.7
4 21	15 17.32	−17 7.8	2.018	2.981	6.8	21.5
5 1	15 9.51	−16 43.8	1.987	2.986	3.0	21.3
5 11	15 1.09	−16 16.9	1.983	2.992	1.0	21.1
5 21	14 52.93	−15 50.4	2.007	2.997	4.9	21.4
5 31	14 45.87	−15 27.7	2.057	3.002	8.5	21.6
6 10	14 40.53	−15 12.0	2.132	3.007	11.7	21.8

137832 2000 AW_{25} 5 8.7 139°.18 0°.9/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.51	−16 8.0	1.936	2.750	14.5	20.5
4 11	15 27.26	−15 50.5	1.861	2.761	11.2	20.3
4 21	15 19.73	−15 26.3	1.808	2.771	7.4	20.1
5 1	15 10.57	−14 57.3	1.781	2.781	3.2	19.9
5 11	15 0.77	−14 26.7	1.782	2.790	1.6	19.8
5 21	14 51.33	−13 58.2	1.811	2.799	5.6	20.1
5 31	14 43.21	−13 35.8	1.867	2.807	9.5	20.3
6 10	14 37.08	−13 22.3	1.946	2.814	12.9	20.6

218253 2003 AD_{26} 5 8.7 64°.20 3°.7/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.66	−10 33.6	1.549	2.388	16.2	19.8
4 11	15 25.41	− 9 53.0	1.490	2.403	12.5	19.6
4 21	15 18.62	− 9 9.2	1.452	2.419	8.4	19.4
5 1	15 10.09	− 8 26.7	1.438	2.434	4.6	19.2
5 11	15 0.93	− 7 51.0	1.449	2.450	4.3	19.2
5 21	14 52.28	− 7 26.6	1.487	2.465	7.8	19.5
5 31	14 45.16	− 7 16.6	1.549	2.481	11.7	19.7
6 10	14 40.27	− 7 22.3	1.632	2.497	15.1	20.0

411783 2012 CW_{10} 5 8.7 106°.75 1°.4/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.13	−15 50.4	1.672	2.496	15.9	21.9
4 11	15 27.24	−15 23.9	1.605	2.510	12.3	21.7
4 21	15 19.81	−14 49.7	1.559	2.525	8.1	21.4
5 1	15 10.62	−14 10.7	1.539	2.539	3.6	21.2
5 11	15 0.77	−13 31.1	1.545	2.553	2.0	21.1
5 21	14 51.40	−12 55.6	1.578	2.566	6.3	21.4
5 31	14 43.53	−12 28.6	1.637	2.579	10.5	21.7
6 10	14 37.90	−12 13.3	1.718	2.591	14.1	21.9

215822 2004 XT_{184} 5 8.7 304°.80 1°.7/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 20.34	− 9 34.6	4.169	4.981	7.3	20.1
4 11	15 16.82	− 9 19.3	4.079	4.978	5.6	20.0
4 21	15 12.34	− 9 3.4	4.014	4.975	3.8	19.9
5 1	15 7.22	− 8 48.2	3.978	4.973	2.1	19.7
5 11	15 1.80	− 8 35.4	3.971	4.970	1.9	19.7
5 21	14 56.49	− 8 26.3	3.994	4.967	3.6	19.8
5 31	14 51.64	− 8 22.2	4.045	4.965	5.5	20.0
6 10	14 47.58	− 8 23.9	4.121	4.962	7.2	20.1

183355 2002 VS_{122} 5 8.7 288°.94 4°.6/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.83	−27 50.4	1.626	2.426	17.3	20.1
4 11	15 27.17	−28 19.8	1.525	2.407	14.3	19.8
4 21	15 20.43	−28 34.5	1.444	2.388	10.6	19.6
5 1	15 11.18	−28 31.6	1.385	2.369	6.7	19.3
5 11	15 0.53	−28 10.2	1.350	2.351	4.6	19.1
5 21	14 49.87	−27 32.9	1.342	2.332	6.9	19.2
5 31	14 40.65	−26 45.5	1.358	2.313	11.0	19.4
6 10	14 34.02	−25 56.0	1.396	2.294	15.2	19.6

5907 1989 TU_{5} 5 8.7 341°.84 0°.5/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 20.09	−16 13.4	3.872	4.678	8.0	18.0
4 11	15 16.75	−15 58.6	3.778	4.674	6.1	17.8
4 21	15 12.36	−15 40.2	3.710	4.671	4.0	17.7
5 1	15 7.24	−15 19.5	3.669	4.669	1.7	17.5
5 11	15 1.81	−14 58.0	3.658	4.666	0.8	17.4
5 21	14 56.49	−14 37.3	3.676	4.663	3.1	17.6
5 31	14 51.68	−14 19.4	3.722	4.661	5.3	17.7
6 10	14 47.73	−14 5.7	3.795	4.658	7.3	17.9

87650 2000 RB_{82} 5 8.7 159°.37 1°.0/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.41	−23 27.9	2.459	3.254	12.3	19.7
4 11	15 22.24	−22 58.2	2.370	3.257	9.7	19.5
4 21	15 16.26	−22 17.4	2.304	3.259	6.6	19.3
5 1	15 9.03	−21 26.9	2.265	3.261	3.2	19.1
5 11	15 1.28	−20 29.3	2.254	3.263	1.1	18.9
5 21	14 53.78	−19 28.8	2.272	3.264	4.2	19.1
5 31	14 47.26	−18 29.8	2.318	3.266	7.5	19.3
6 10	14 42.29	−17 36.7	2.389	3.267	10.5	19.5

512428 2016 PY_{89} 5 8.7 303°.08 1°.0/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 28.53	−19 53.1	2.242	3.047	13.0	21.2
4 11	15 24.19	−20 7.8	2.147	3.040	10.2	21.0
4 21	15 17.76	−20 15.9	2.074	3.032	6.9	20.8
5 1	15 9.78	−20 17.2	2.027	3.025	3.3	20.6
5 11	15 1.03	−20 13.0	2.009	3.017	1.2	20.4
5 21	14 52.39	−20 5.2	2.018	3.010	4.6	20.6
5 31	14 44.76	−19 56.7	2.054	3.003	8.3	20.8
6 10	14 38.83	−19 50.8	2.115	2.996	11.5	21.0

381857 2009 XL_{17} 5 8.7 344°.66 1°.6/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.30	−22 52.5	1.822	2.633	15.3	20.6
4 11	15 24.43	−22 46.9	1.737	2.632	12.1	20.4
4 21	15 18.10	−22 29.1	1.673	2.631	8.3	20.2
5 1	15 9.95	−21 59.5	1.634	2.630	4.2	19.9
5 11	15 0.99	−21 20.6	1.621	2.629	1.7	19.8
5 21	14 52.30	−20 36.5	1.634	2.628	5.3	20.0
5 31	14 44.91	−19 52.6	1.674	2.627	9.4	20.2
6 10	14 39.62	−19 14.2	1.737	2.627	13.1	20.5

504013 2005 JF_{80} 5 8.7 274°.01 1°.3/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.20	−18 18.5	1.713	2.539	15.5	22.0
4 11	15 24.59	−17 24.4	1.612	2.518	12.2	21.8
4 21	15 18.38	−16 16.3	1.531	2.498	8.1	21.5
5 1	15 10.16	−14 57.2	1.476	2.477	3.6	21.2
5 11	15 0.91	−13 32.6	1.448	2.456	2.1	21.0
5 21	14 51.77	−12 9.8	1.447	2.434	6.8	21.2
5 31	14 43.90	−10 56.5	1.471	2.412	11.4	21.5
6 10	14 38.18	− 9 58.6	1.517	2.390	15.6	21.7

496515 2014 UH_{189} 5 8.7 244°.91 4°.6/11.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.03	−29 21.1	1.696	2.484	17.2	21.5
4 11	15 28.70	−29 38.6	1.598	2.472	14.2	21.3
4 21	15 21.31	−29 39.4	1.520	2.460	10.6	21.0
5 1	15 11.53	−29 20.5	1.465	2.448	6.8	20.8
5 11	15 0.49	−28 41.8	1.436	2.435	4.6	20.6
5 21	14 49.58	−27 46.9	1.432	2.421	6.7	20.7
5 31	14 40.20	−26 42.4	1.454	2.407	10.6	20.9
6 10	14 33.38	−25 37.1	1.499	2.393	14.6	21.1

145171 2005 JV_{3} 5 8.7 279°.13 3°.4/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.62	−23 8.9	1.682	2.485	16.8	19.9
4 11	15 30.93	−23 57.8	1.573	2.460	13.6	19.6
4 21	15 23.04	−24 39.2	1.485	2.436	9.8	19.3
5 1	15 12.43	−25 10.1	1.420	2.411	5.6	19.0
5 11	15 0.17	−25 28.5	1.382	2.386	3.4	18.8
5 21	14 47.65	−25 34.8	1.370	2.360	6.7	19.0
5 31	14 36.41	−25 32.2	1.384	2.335	11.3	19.1
6 10	14 27.71	−25 26.4	1.420	2.309	15.6	19.3

228537 2001 VX_{80} 5 8.7 189°.31 0°.8/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.76	−21 20.1	2.231	3.028	13.3	21.3
4 11	15 25.83	−21 6.5	2.139	3.028	10.4	21.1
4 21	15 18.78	−20 43.1	2.070	3.026	7.1	20.9
5 1	15 10.20	−20 10.7	2.027	3.024	3.4	20.7
5 11	15 0.94	−19 31.7	2.013	3.022	1.0	20.5
5 21	14 51.90	−18 49.6	2.027	3.018	4.7	20.7
5 31	14 43.96	−18 8.7	2.069	3.015	8.4	21.0
6 10	14 37.80	−17 33.4	2.135	3.010	11.7	21.2

123829 2001 CN_{9} 5 8.7 299°.06 10°.2/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.42	+ 7 36.9	1.878	2.699	14.6	19.1
4 11	15 22.66	+ 9 5.6	1.811	2.691	12.5	19.0
4 21	15 16.76	+10 24.7	1.766	2.684	10.8	18.9
5 1	15 9.32	+11 26.3	1.744	2.676	10.2	18.8
5 11	15 1.21	+12 3.6	1.746	2.669	10.9	18.8
5 21	14 53.36	+12 13.1	1.772	2.662	12.7	18.9
5 31	14 46.65	+11 54.3	1.818	2.655	15.0	19.1
6 10	14 41.77	+11 9.5	1.883	2.648	17.2	19.2

312556 2009 FW_{68} 5 8.7 67°.38 1°.1/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.14	−15 58.9	1.450	2.285	17.4	21.2
4 11	15 27.01	−15 45.4	1.380	2.291	13.5	21.0
4 21	15 19.97	−15 23.9	1.329	2.297	8.9	20.7
5 1	15 10.82	−14 56.7	1.302	2.303	3.9	20.4
5 11	15 0.76	−14 27.9	1.301	2.309	1.9	20.3
5 21	14 51.12	−14 2.1	1.325	2.315	6.8	20.6
5 31	14 43.14	−13 44.0	1.373	2.321	11.5	20.9
6 10	14 37.66	−13 37.3	1.442	2.328	15.6	21.2

283195 2010 CS_{120} 5 8.7 91°.16 3°.0/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.08	−10 41.2	1.934	2.763	13.9	21.0
4 11	15 23.89	−10 9.5	1.856	2.764	10.7	20.8
4 21	15 17.55	− 9 34.6	1.801	2.766	7.2	20.6
5 1	15 9.66	− 9 0.2	1.771	2.767	3.9	20.4
5 11	15 1.11	− 8 30.3	1.768	2.769	3.5	20.4
5 21	14 52.84	− 8 8.6	1.792	2.770	6.7	20.6
5 31	14 45.74	− 7 58.1	1.842	2.772	10.3	20.8
6 10	14 40.47	− 8 0.5	1.915	2.773	13.5	21.0

213530 2002 JE_{1} 5 8.7 345°.41 0°.7/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.15	−15 20.9	1.338	2.179	18.2	19.8
4 11	15 27.44	−15 32.4	1.261	2.175	14.2	19.5
4 21	15 20.54	−15 38.2	1.204	2.172	9.5	19.2
5 1	15 11.18	−15 39.5	1.169	2.169	4.2	18.9
5 11	15 0.62	−15 38.7	1.158	2.167	1.7	18.7
5 21	14 50.34	−15 38.9	1.173	2.165	7.1	19.0
5 31	14 41.76	−15 44.1	1.210	2.164	12.2	19.3
6 10	14 35.92	−15 57.7	1.269	2.163	16.7	19.6

412159 2013 GH_{82} 5 8.7 0°.69 1°.2/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.90	−18 20.8	1.258	2.106	18.7	20.8
4 11	15 24.18	−17 36.7	1.186	2.105	14.6	20.5
4 21	15 18.33	−16 38.0	1.133	2.104	9.7	20.2
5 1	15 10.16	−15 28.6	1.103	2.104	4.2	19.9
5 11	15 0.96	−14 15.2	1.096	2.104	2.2	19.8
5 21	14 52.19	−13 6.3	1.113	2.105	7.6	20.1
5 31	14 45.19	−12 9.9	1.154	2.107	12.8	20.4
6 10	14 40.87	−11 31.6	1.214	2.108	17.3	20.7

116686 2004 CM_{77} 5 8.7 132°.58 1°.1/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.55	−15 37.4	2.286	3.101	12.5	20.6
4 11	15 23.15	−15 11.0	2.206	3.107	9.6	20.4
4 21	15 16.89	−14 38.8	2.149	3.113	6.3	20.2
5 1	15 9.33	−14 2.8	2.119	3.119	2.8	20.0
5 11	15 1.23	−13 26.4	2.117	3.124	1.7	19.9
5 21	14 53.40	−12 52.8	2.143	3.130	5.0	20.2
5 31	14 46.58	−12 25.6	2.197	3.135	8.4	20.4
6 10	14 41.37	−12 7.2	2.275	3.140	11.4	20.6

344740 2003 UE_{205} 5 8.7 227°.60 0°.8/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.92	−20 42.3	2.368	3.166	12.6	21.4
4 11	15 25.15	−20 40.7	2.268	3.156	9.9	21.2
4 21	15 18.35	−20 31.0	2.190	3.146	6.8	21.0
5 1	15 10.04	−20 13.5	2.139	3.136	3.2	20.8
5 11	15 0.99	−19 50.0	2.116	3.125	1.1	20.6
5 21	14 52.06	−19 23.0	2.122	3.114	4.5	20.8
5 31	14 44.10	−18 56.1	2.156	3.102	8.1	21.0
6 10	14 37.79	−18 33.0	2.214	3.090	11.3	21.2

111809 2002 CF_{274} 5 8.7 37°.18 0°.7/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.66	−15 54.8	1.280	2.122	18.8	19.3
4 11	15 27.78	−16 1.3	1.214	2.129	14.6	19.1
4 21	15 20.68	−16 0.7	1.167	2.136	9.7	18.8
5 1	15 11.19	−15 54.4	1.143	2.144	4.3	18.5
5 11	15 0.66	−15 45.5	1.143	2.152	1.6	18.4
5 21	14 50.61	−15 37.8	1.167	2.160	7.1	18.7
5 31	14 42.42	−15 35.6	1.215	2.169	12.1	19.0
6 10	14 37.03	−15 42.4	1.283	2.178	16.5	19.3

374450 2005 XD_{2} 5 8.7 83°.29 3°.6/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.23	−30 14.2	1.807	2.593	16.4	20.4
4 11	15 25.18	−29 51.5	1.726	2.600	13.3	20.2
4 21	15 18.57	−29 9.3	1.665	2.606	9.7	20.0
5 1	15 10.14	−28 7.2	1.628	2.612	5.9	19.8
5 11	15 0.99	−26 48.4	1.617	2.619	3.6	19.7
5 21	14 52.29	−25 18.8	1.633	2.625	5.6	19.8
5 31	14 45.07	−23 46.6	1.676	2.631	9.3	20.0
6 10	14 40.09	−22 19.7	1.743	2.638	12.8	20.3

56220 1999 HC_{11} 5 8.7 283°.89 1°.8/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.66	−22 5.5	2.182	2.981	13.5	18.3
4 11	15 25.21	−22 26.2	2.084	2.972	10.7	18.1
4 21	15 18.53	−22 38.8	2.009	2.962	7.5	17.9
5 1	15 10.17	−22 42.8	1.959	2.953	3.9	17.7
5 11	15 0.97	−22 38.8	1.937	2.944	1.9	17.5
5 21	14 51.85	−22 28.7	1.942	2.934	4.8	17.7
5 31	14 43.78	−22 15.7	1.975	2.925	8.5	17.9
6 10	14 37.51	−22 3.7	2.032	2.915	11.8	18.1

233366 2006 DH_{138} 5 8.7 181°.26 1°.3/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.41	−14 56.7	2.152	2.967	13.1	21.3
4 11	15 24.77	−14 36.2	2.067	2.968	10.2	21.1
4 21	15 18.07	−14 10.2	2.005	2.968	6.7	20.9
5 1	15 9.90	−13 40.6	1.969	2.968	3.0	20.6
5 11	15 1.08	−13 10.7	1.961	2.968	1.8	20.5
5 21	14 52.50	−12 43.8	1.981	2.967	5.4	20.8
5 31	14 44.99	−12 23.3	2.029	2.966	9.0	21.0
6 10	14 39.22	−12 11.8	2.100	2.965	12.2	21.2

515551 2014 GB_{58} 5 8.7 118°.61 1°.8/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.21	−23 14.6	2.691	3.474	11.7	21.8
4 11	15 25.01	−23 31.8	2.609	3.486	9.2	21.6
4 21	15 18.04	−23 41.2	2.551	3.499	6.4	21.4
5 1	15 9.84	−23 42.4	2.520	3.511	3.5	21.3
5 11	15 1.11	−23 36.3	2.517	3.523	1.8	21.2
5 21	14 52.60	−23 24.7	2.544	3.534	4.0	21.3
5 31	14 45.04	−23 10.2	2.599	3.546	6.9	21.5
6 10	14 38.98	−22 56.1	2.680	3.556	9.5	21.7

306457 1999 CR_{86} 5 8.7 56.°64 0.°4/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 33.04	−18 27.3	1.454	2.281	17.7	19.2
4 11	15 28.28	−18 35.6	1.399	2.304	13.7	19.0
4 21	15 20.65	−18 34.8	1.363	2.328	9.1	18.8
5 1	15 11.05	−18 25.8	1.352	2.351	4.1	18.6
5 11	15 0.76	−18 11.4	1.365	2.375	1.2	18.4
5 21	14 51.10	−17 55.2	1.405	2.399	6.1	18.8
5 31	14 43.22	−17 41.7	1.470	2.422	10.6	19.1
6 10	14 37.88	−17 35.0	1.557	2.446	14.4	19.4

478374 2011 YA_{62} 5 8.7 241.°31 2.°4/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.98	− 9 10.2	2.817	3.625	10.6	21.6
4 11	15 24.01	− 9 0.7	2.714	3.610	8.2	21.4
4 21	15 17.40	− 8 50.6	2.636	3.596	5.6	21.2
5 1	15 9.58	− 8 41.8	2.586	3.580	3.0	21.0
5 11	15 1.18	− 8 36.5	2.565	3.565	2.7	21.0
5 21	14 52.85	− 8 36.5	2.574	3.549	5.2	21.1
5 31	14 45.25	− 8 43.4	2.611	3.532	8.0	21.3
6 10	14 38.96	− 8 58.5	2.673	3.516	10.6	21.4

476408 2008 CU_{210} 5 8.7 9.°54 2.°3/10.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.62	−24 3.5	2.082	2.883	14.0	21.0
4 11	15 23.64	−24 17.9	1.997	2.884	11.2	20.8
4 21	15 17.47	−24 21.9	1.933	2.885	7.8	20.6
5 1	15 9.68	−24 15.1	1.894	2.886	4.3	20.4
5 11	15 1.15	−23 58.7	1.883	2.888	2.3	20.2
5 21	14 52.85	−23 35.2	1.898	2.891	4.9	20.4
5 31	14 45.69	−23 8.7	1.940	2.893	8.4	20.6
6 10	14 40.38	−22 43.6	2.006	2.896	11.6	20.8

416240 2003 BQ_{63} 5 8.7 83.°97 2.°4/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.63	−24 2.3	1.800	2.595	16.1	22.0
4 11	15 29.81	−24 15.7	1.740	2.624	12.7	21.8
4 21	15 21.45	−24 16.9	1.702	2.653	8.8	21.7
5 1	15 11.36	−24 5.4	1.688	2.681	4.7	21.5
5 11	15 0.69	−23 42.8	1.702	2.708	2.4	21.4
5 21	14 50.61	−23 13.0	1.744	2.735	5.3	21.6
5 31	14 42.14	−22 40.8	1.812	2.762	9.1	21.9
6 10	14 35.97	−22 11.6	1.904	2.788	12.4	22.2

64721 2001 XP_{101} 5 8.7 225.°69 1.°3/ 9.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.96	−22 21.3	1.765	2.571	15.9	19.6
4 11	15 28.27	−22 12.8	1.669	2.561	12.7	19.3
4 21	15 20.83	−21 51.6	1.594	2.551	8.7	19.0
5 1	15 11.28	−21 17.8	1.544	2.541	4.3	18.8
5 11	15 0.66	−20 33.8	1.521	2.530	1.5	18.5
5 21	14 50.22	−19 43.9	1.525	2.518	5.8	18.8
5 31	14 41.16	−18 54.2	1.555	2.505	10.3	19.0
6 10	14 34.40	−18 10.9	1.608	2.492	14.3	19.2

60936 2000 JT_{52} 5 8.7 282.°59 4.°2/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.44	−25 50.4	1.441	2.253	18.6	18.2
4 11	15 28.76	−26 24.6	1.348	2.239	15.2	17.9
4 21	15 21.69	−26 45.0	1.274	2.225	11.0	17.6
5 1	15 11.84	−26 48.5	1.221	2.211	6.7	17.4
5 11	15 0.46	−26 34.3	1.193	2.196	4.2	17.2
5 21	14 49.11	−26 4.8	1.190	2.182	7.2	17.3
5 31	14 39.40	−25 26.4	1.211	2.168	11.9	17.5
6 10	14 32.58	−24 47.3	1.252	2.154	16.4	17.7

57895 2002 CX_{134} 5 8.7 172.°51 4.°5/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.03	− 3 16.3	2.599	3.416	11.1	19.6
4 11	15 22.47	− 2 37.2	2.522	3.418	8.8	19.5
4 21	15 16.33	− 2 0.1	2.468	3.420	6.4	19.3
5 1	15 9.08	− 1 28.7	2.442	3.421	4.7	19.2
5 11	15 1.37	− 1 6.3	2.443	3.422	4.9	19.2
5 21	14 53.87	− 0 55.3	2.473	3.423	6.9	19.4
5 31	14 47.22	− 0 57.2	2.529	3.423	9.3	19.5
6 10	14 41.93	− 1 12.3	2.608	3.423	11.6	19.7

351556 2005 TW_{146} 5 8.7 34.°89 0.°3/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.65	−18 4.4	2.319	3.126	12.6	20.8
4 11	15 24.11	−18 13.6	2.232	3.127	9.8	20.7
4 21	15 17.62	−18 17.2	2.168	3.129	6.5	20.5
5 1	15 9.72	−18 15.5	2.131	3.130	3.0	20.2
5 11	15 1.17	−18 10.2	2.122	3.131	0.9	20.1
5 21	14 52.80	−18 3.3	2.141	3.132	4.5	20.3
5 31	14 45.43	−17 57.5	2.187	3.134	8.0	20.5
6 10	14 39.69	−17 55.3	2.258	3.135	11.0	20.7

437407 2013 WM_{83} 5 8.7 245.°54 1.°3/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.03	−15 0.4	2.105	2.920	13.4	22.0
4 11	15 25.47	−14 40.0	2.005	2.906	10.4	21.8
4 21	15 18.70	−14 13.4	1.927	2.891	6.9	21.5
5 1	15 10.26	−13 42.8	1.876	2.875	3.1	21.3
5 11	15 0.99	−13 11.1	1.852	2.859	1.9	21.2
5 21	14 51.82	−12 42.0	1.857	2.843	5.7	21.4
5 31	14 43.68	−12 19.2	1.888	2.826	9.6	21.6
6 10	14 37.33	−12 6.0	1.943	2.809	13.0	21.7

350819 2002 DO 5 8.7 108.°79 4.°7/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 25.92	− 4 4.9	2.367	3.191	11.8	20.9
4 11	15 21.78	− 3 20.1	2.293	3.194	9.3	20.7
4 21	15 15.94	− 2 36.9	2.243	3.197	6.7	20.6
5 1	15 8.92	− 1 59.2	2.219	3.200	4.9	20.5
5 11	15 1.43	− 1 31.0	2.223	3.204	5.2	20.5
5 21	14 54.17	− 1 15.1	2.253	3.207	7.3	20.6
5 31	14 47.83	− 1 13.3	2.310	3.210	9.8	20.8
6 10	14 42.95	− 1 25.7	2.389	3.213	12.3	21.0

475104 2005 UO_{233} 5 8.7 182.°63 1.°8/ 7.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.16	−11 10.7	2.581	3.391	11.3	21.6
4 11	15 24.22	−11 11.6	2.493	3.391	8.8	21.4
4 21	15 17.56	−11 11.2	2.430	3.391	5.8	21.2
5 1	15 9.66	−11 11.1	2.393	3.391	2.8	21.0
5 11	15 1.20	−11 13.0	2.386	3.391	2.1	21.0
5 21	14 52.92	−11 18.7	2.408	3.390	4.9	21.2
5 31	14 45.50	−11 29.7	2.458	3.390	8.0	21.4
6 10	14 39.52	−11 47.2	2.533	3.389	10.7	21.5

464909 2005 SP_{260} 5 8.7 76.°84 3.°3/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.45	−13 55.2	1.675	2.510	15.4	20.6
4 11	15 23.61	−12 34.0	1.608	2.520	11.8	20.4
4 21	15 17.42	−11 4.0	1.563	2.531	7.8	20.1
5 1	15 9.62	− 9 31.2	1.544	2.541	4.1	19.9
5 11	15 1.23	− 8 3.0	1.552	2.552	4.0	20.0
5 21	14 53.30	− 6 46.5	1.586	2.563	7.6	20.2
5 31	14 46.74	− 5 47.4	1.646	2.573	11.4	20.4
6 10	14 42.23	− 5 8.3	1.727	2.584	14.8	20.7

20630 1999 TJ_{90} 5 8.7 185.°61 0.°6/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 22.04	−15 38.4	4.324	5.123	7.3	21.4
4 11	15 18.11	−15 19.8	4.230	5.122	5.6	21.2
4 21	15 13.21	−14 58.1	4.161	5.121	3.7	21.1
5 1	15 7.66	−14 34.3	4.120	5.120	1.6	20.9
5 11	15 1.83	−14 10.0	4.111	5.118	0.9	20.9
5 21	14 56.10	−13 46.8	4.131	5.116	2.9	21.0
5 31	14 50.85	−13 26.3	4.181	5.114	4.9	21.2
6 10	14 46.40	−13 9.9	4.257	5.111	6.7	21.3

424230 2007 RL_{158} 5 8.7 308.°15 4.°6/10.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.22	−27 34.6	1.783	2.578	16.2	20.5
4 11	15 26.46	−28 17.3	1.682	2.561	13.3	20.2
4 21	15 19.85	−28 48.0	1.601	2.543	9.9	20.0
5 1	15 10.96	−29 3.8	1.544	2.526	6.5	19.7
5 11	15 0.78	−29 3.3	1.512	2.510	4.6	19.6
5 21	14 50.59	−28 47.9	1.505	2.493	6.6	19.7
5 31	14 41.68	−28 22.0	1.524	2.477	10.3	19.8
6 10	14 35.11	−27 51.8	1.566	2.461	14.0	20.0

509755 2008 TH_{161} 5 8.7 125.°40 0.°1/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 23.24	−18 24.6	3.596	4.393	8.7	22.4
4 11	15 19.19	−18 6.5	3.513	4.403	6.7	22.3
4 21	15 13.99	−17 43.4	3.455	4.414	4.4	22.1
5 1	15 8.02	−17 16.7	3.425	4.424	1.9	21.9
5 11	15 1.73	−16 48.0	3.425	4.434	0.6	21.8
5 21	14 55.62	−16 19.4	3.455	4.444	3.1	22.0
5 31	14 50.12	−15 53.0	3.513	4.453	5.5	22.2
6 10	14 45.62	−15 30.8	3.598	4.463	7.6	22.4

278709 2008 SK_{30} 5 8.7 229.°49 5.°5/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.59	− 4 10.2	2.244	3.067	12.4	21.6
4 11	15 23.28	− 2 56.8	2.156	3.056	9.8	21.4
4 21	15 17.07	− 1 42.8	2.092	3.045	7.3	21.3
5 1	15 9.49	− 0 33.3	2.055	3.033	5.6	21.1
5 11	15 1.28	+ 0 25.9	2.046	3.021	6.1	21.1
5 21	14 53.23	+ 1 10.4	2.064	3.008	8.4	21.2
5 31	14 46.13	+ 1 36.9	2.107	2.994	11.2	21.4
6 10	14 40.60	+ 1 44.8	2.172	2.981	13.9	21.5

329579 2002 WY_{17} 5 8.7 164.°14 4.°2/ 5.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.20	− 8 8.9	1.940	2.765	14.0	21.2
4 11	15 25.48	− 7 20.8	1.864	2.769	10.9	21.0
4 21	15 18.59	− 6 30.9	1.812	2.773	7.5	20.8
5 1	15 10.16	− 5 43.6	1.785	2.776	4.7	20.7
5 11	15 1.09	− 5 3.9	1.786	2.779	4.7	20.7
5 21	14 52.33	− 4 36.0	1.813	2.781	7.6	20.9
5 31	14 44.78	− 4 22.6	1.867	2.783	10.9	21.1
6 10	14 39.09	− 4 24.8	1.942	2.784	14.0	21.3

514771 2007 ER_{225} 5 8.7 349.°15 5.°7/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.73	−44 15.9	4.180	4.836	9.6	21.1
4 11	15 23.79	−45 6.3	4.081	4.835	8.5	21.0
4 21	15 17.27	−45 45.4	4.003	4.834	7.4	20.9
5 1	15 9.56	−46 11.1	3.949	4.833	6.3	20.8
5 11	15 1.25	−46 22.4	3.921	4.832	5.7	20.7
5 21	14 52.95	−46 19.6	3.919	4.831	5.8	20.7
5 31	14 45.32	−46 4.2	3.944	4.830	6.5	20.8
6 10	14 38.90	−45 39.3	3.994	4.829	7.5	20.9

338780 2003 UG_{286} 5 8.7 193°.24 0°.8/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.01	−19 45.8	2.028	2.837	14.1	21.6
4 11	15 25.49	−19 52.0	1.942	2.837	11.0	21.4
4 21	15 18.71	−19 50.2	1.877	2.837	7.4	21.2
5 1	15 10.26	−19 40.8	1.838	2.836	3.5	20.9
5 11	15 1.05	−19 25.7	1.827	2.836	1.1	20.7
5 21	14 52.04	−19 7.5	1.843	2.835	5.0	21.0
5 31	14 44.21	−18 49.8	1.886	2.835	8.9	21.2
6 10	14 38.28	−18 36.4	1.953	2.834	12.3	21.5

251863 1999 UL_{53} 5 8.7 289°.09 0°.0/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.62	−19 6.7	1.554	2.382	16.7	22.0
4 11	15 26.20	−18 53.2	1.449	2.356	13.3	21.7
4 21	15 19.81	−18 27.9	1.364	2.329	9.0	21.4
5 1	15 10.98	−17 51.9	1.303	2.303	4.1	21.1
5 11	15 0.78	−17 8.1	1.267	2.277	1.3	20.8
5 21	14 50.51	−16 21.7	1.257	2.250	6.7	21.1
5 31	14 41.56	−15 39.1	1.271	2.223	11.9	21.3
6 10	14 35.06	−15 6.6	1.307	2.197	16.6	21.5

354109 2001 YQ_{112} 5 8.7 218°.67 5°.4/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.69	+ 2 13.1	3.060	3.864	9.9	22.0
4 11	15 22.04	+ 3 0.7	2.973	3.854	8.1	21.9
4 21	15 15.99	+ 3 44.4	2.911	3.843	6.4	21.7
5 1	15 8.94	+ 4 20.2	2.876	3.832	5.5	21.7
5 11	15 1.46	+ 4 44.9	2.869	3.820	5.9	21.7
5 21	14 54.10	+ 4 56.3	2.890	3.808	7.4	21.7
5 31	14 47.42	+ 4 53.1	2.936	3.795	9.3	21.9
6 10	14 41.90	+ 4 35.6	3.006	3.781	11.2	22.0

439167 2011 UH_{388} 5 8.7 235°.20 2°.3/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.73	−10 31.1	2.604	3.418	11.2	21.5
4 11	15 23.17	−10 14.0	2.509	3.408	8.6	21.4
4 21	15 16.90	− 9 55.0	2.437	3.399	5.8	21.2
5 1	15 9.40	− 9 36.3	2.393	3.389	3.1	21.0
5 11	15 1.32	− 9 20.6	2.378	3.379	2.7	20.9
5 21	14 53.36	− 9 10.1	2.391	3.369	5.3	21.1
5 31	14 46.21	− 9 7.0	2.433	3.359	8.3	21.2
6 10	14 40.45	− 9 12.8	2.498	3.348	11.0	21.4

327228 2005 QO_{112} 5 8.7 312°.77 5°.3/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.76	− 8 23.0	1.635	2.477	15.4	21.0
4 11	15 23.26	− 7 5.7	1.560	2.474	12.0	20.8
4 21	15 17.34	− 5 44.0	1.507	2.471	8.4	20.5
5 1	15 9.67	− 4 24.6	1.479	2.469	5.6	20.4
5 11	15 1.24	− 3 15.1	1.476	2.466	6.0	20.4
5 21	14 53.12	− 2 21.8	1.500	2.464	9.2	20.6
5 31	14 46.33	− 1 49.2	1.547	2.462	12.8	20.8
6 10	14 41.60	− 1 38.5	1.614	2.459	16.2	21.0

247059 2000 QC_{80} 5 8.7 255°.00 6°.1/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.77	−34 39.6	2.273	3.014	14.7	21.0
4 11	15 29.61	−35 20.3	2.157	2.992	12.5	20.8
4 21	15 21.78	−35 46.6	2.062	2.970	10.0	20.6
5 1	15 11.78	−35 54.8	1.991	2.947	7.5	20.4
5 11	15 0.56	−35 42.7	1.946	2.923	6.1	20.3
5 21	14 49.27	−35 11.1	1.928	2.899	7.0	20.3
5 31	14 39.11	−34 24.1	1.937	2.873	9.5	20.4
6 10	14 31.06	−33 28.2	1.971	2.848	12.4	20.5

233467 2006 KK_{73} 5 8.7 61°.55 5°.4/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.31	− 5 1.4	1.867	2.700	14.1	20.5
4 11	15 23.27	− 4 7.3	1.801	2.708	11.1	20.3
4 21	15 17.12	− 3 14.3	1.757	2.716	7.9	20.2
5 1	15 9.51	− 2 27.6	1.739	2.724	5.6	20.0
5 11	15 1.33	− 1 52.4	1.747	2.732	5.9	20.1
5 21	14 53.50	− 1 32.4	1.781	2.740	8.5	20.2
5 31	14 46.87	− 1 29.7	1.840	2.748	11.5	20.4
6 10	14 42.07	− 1 44.4	1.920	2.756	14.4	20.6

281587 2008 UM_{143} 5 8.7 320°.55 0°.4/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.06	−16 46.5	1.834	2.656	14.8	20.4
4 11	15 24.99	−16 44.1	1.748	2.652	11.5	20.1
4 21	15 18.50	−16 35.1	1.684	2.648	7.7	19.9
5 1	15 10.23	−16 20.6	1.644	2.644	3.4	19.6
5 11	15 1.11	−16 3.4	1.632	2.641	1.2	19.4
5 21	14 52.20	−15 46.5	1.646	2.637	5.6	19.7
5 31	14 44.52	−15 33.7	1.686	2.634	9.8	20.0
6 10	14 38.86	−15 28.3	1.749	2.631	13.5	20.2

317398 2002 PY_{96} 5 8.7 252°.82 5°.0/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.92	−29 41.3	1.949	2.722	15.8	20.8
4 11	15 29.99	−30 18.6	1.840	2.703	13.1	20.6
4 21	15 22.18	−30 42.7	1.752	2.684	9.9	20.3
5 1	15 12.02	−30 50.3	1.688	2.664	6.7	20.1
5 11	15 0.53	−30 39.7	1.650	2.644	5.0	19.9
5 21	14 48.99	−30 12.3	1.640	2.623	6.6	20.0
5 31	14 38.71	−29 32.7	1.655	2.602	10.1	20.1
6 10	14 30.75	−28 47.8	1.695	2.580	13.7	20.3

331248 2011 CW 5 8.7 192°.19 6°.3/ 3.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.36	+ 0 12.1	2.273	3.087	12.6	21.5
4 11	15 25.30	+ 1 9.3	2.196	3.085	10.2	21.3
4 21	15 18.35	+ 2 2.8	2.141	3.083	7.9	21.2
5 1	15 10.06	+ 2 47.2	2.114	3.080	6.4	21.1
5 11	15 1.19	+ 3 18.0	2.113	3.076	6.9	21.1
5 21	14 52.55	+ 3 32.0	2.140	3.072	8.8	21.2
5 31	14 44.92	+ 3 27.8	2.192	3.066	11.3	21.3
6 10	14 38.90	+ 3 5.8	2.265	3.061	13.8	21.5

297623 2001 TV_{50} 5 8.7 206°.39 1°.9/ 7.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.51	−14 52.6	1.747	2.569	15.4	21.8
4 11	15 27.74	−14 17.6	1.660	2.564	12.0	21.6
4 21	15 20.37	−13 34.6	1.594	2.559	8.0	21.3
5 1	15 11.07	−12 46.6	1.554	2.553	3.7	21.0
5 11	15 0.87	−11 58.3	1.540	2.546	2.6	20.9
5 21	14 50.92	−11 14.8	1.554	2.539	6.7	21.2
5 31	14 42.31	−10 41.0	1.594	2.531	11.1	21.4
6 10	14 35.90	−10 20.7	1.656	2.523	14.9	21.6

442040 2010 RG_5 5 8.7 304°.88 3°.2/10.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.52	−26 3.0	2.168	2.959	13.9	21.3
4 11	15 24.50	−26 28.3	2.066	2.944	11.2	21.1
4 21	15 18.19	−26 43.0	1.985	2.930	8.2	20.9
5 1	15 10.13	−26 45.9	1.930	2.916	5.0	20.7
5 11	15 1.15	−26 37.1	1.901	2.902	3.2	20.5
5 21	14 52.22	−26 18.4	1.899	2.889	5.2	20.6
5 31	14 44.33	−25 53.5	1.924	2.875	8.6	20.8
6 10	14 38.30	−25 27.1	1.973	2.862	11.8	21.0

332567 2008 RA_{132} 5 8.7 215°.77 5°.5/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.90	− 2 5.2	2.529	3.344	11.4	21.8
4 11	15 23.29	− 0 57.6	2.442	3.335	9.1	21.7
4 21	15 16.98	+ 0 8.9	2.379	3.326	6.9	21.5
5 1	15 9.46	+ 1 9.5	2.344	3.315	5.5	21.4
5 11	15 1.38	+ 1 59.5	2.337	3.304	6.0	21.4
5 21	14 53.46	+ 2 35.2	2.357	3.292	8.0	21.5
5 31	14 46.39	+ 2 54.2	2.404	3.280	10.4	21.6
6 10	14 40.72	+ 2 56.2	2.472	3.266	12.8	21.8

309833 2009 BM_{182} 5 8.7 146°.08 0°.6/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.31	−17 24.1	1.879	2.688	15.0	22.3
4 11	15 28.78	−17 3.2	1.803	2.700	11.6	22.1
4 21	15 20.84	−16 33.9	1.749	2.711	7.7	21.9
5 1	15 11.20	−15 58.4	1.722	2.721	3.4	21.7
5 11	15 0.88	−15 19.9	1.722	2.731	1.4	21.5
5 21	14 50.95	−14 42.7	1.750	2.739	5.7	21.9
5 31	14 42.42	−14 11.3	1.806	2.747	9.7	22.1
6 10	14 36.00	−13 49.3	1.885	2.754	13.2	22.3

326641 2002 SZ_{31} 5 8.7 226°.78 2°.6/ 6.9 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.95	−12 2.9	2.012	2.831	13.8	21.6
4 11	15 26.22	−11 28.5	1.918	2.821	10.7	21.3
4 21	15 19.22	−10 49.1	1.846	2.810	7.2	21.1
5 1	15 10.55	−10 7.9	1.801	2.798	3.7	20.9
5 11	15 1.05	− 9 29.2	1.784	2.786	3.2	20.8
5 21	14 51.71	− 8 56.9	1.794	2.773	6.6	21.0
5 31	14 43.47	− 8 35.0	1.831	2.760	10.4	21.2
6 10	14 37.09	− 8 26.0	1.891	2.745	13.8	21.4

496974 2002 QD_{81} 5 8.7 259°.66 0°.4/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.58	−17 43.0	1.835	2.650	15.0	22.9
4 11	15 27.17	−17 30.5	1.731	2.631	11.8	22.6
4 21	15 20.14	−17 9.3	1.648	2.611	8.0	22.3
5 1	15 11.06	−16 40.5	1.591	2.591	3.5	22.0
5 11	15 0.88	−16 7.1	1.561	2.570	1.3	21.8
5 21	14 50.72	−15 32.9	1.558	2.548	6.0	22.1
5 31	14 41.75	−15 2.8	1.581	2.526	10.5	22.3
6 10	14 34.89	−14 41.4	1.627	2.504	14.6	22.5

202483 2006 BN_{25} 5 8.7 115°.69 0°.4/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.19	−18 42.6	1.482	2.309	17.4	20.7
4 11	15 27.80	−18 18.1	1.411	2.317	13.6	20.5
4 21	15 20.52	−17 42.1	1.360	2.325	9.0	20.2
5 1	15 11.14	−16 56.9	1.332	2.333	4.0	19.9
5 11	15 0.90	−16 7.1	1.331	2.340	1.4	19.8
5 21	14 51.13	−15 18.4	1.356	2.347	6.5	20.1
5 31	14 43.03	−14 36.9	1.405	2.354	11.2	20.4
6 10	14 37.45	−14 7.7	1.476	2.361	15.3	20.7

390018 2012 UE_{14} 5 8.7 155°.39 0°.3/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.67	−17 26.7	2.198	3.009	13.0	22.0
4 11	15 24.21	−17 14.6	2.113	3.012	10.1	21.8
4 21	15 17.74	−16 55.9	2.052	3.014	6.7	21.6
5 1	15 9.83	−16 31.8	2.016	3.016	2.9	21.3
5 11	15 1.29	−16 4.9	2.009	3.018	1.1	21.2
5 21	14 52.99	−15 38.5	2.030	3.020	4.9	21.5
5 31	14 45.74	−15 15.9	2.078	3.021	8.5	21.7
6 10	14 40.20	−15 0.3	2.150	3.023	11.7	21.9

126883 2002 EM_{98} 5 8.7 92°.04 0°.0/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.93	−19 38.1	1.952	2.761	14.5	20.4
4 11	15 25.98	−19 11.5	1.887	2.784	11.2	20.2
4 21	15 18.85	−18 35.2	1.845	2.806	7.4	20.0
5 1	15 10.27	−17 51.3	1.828	2.827	3.3	19.8
5 11	15 1.18	−17 3.6	1.839	2.848	1.0	19.6
5 21	14 52.57	−16 16.4	1.878	2.869	5.1	20.0
5 31	14 45.29	−15 34.4	1.944	2.889	8.9	20.2
6 10	14 39.96	−15 1.3	2.034	2.909	12.1	20.5

234193 2000 QK_{140} 5 8.7 180°.42 4°.4/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.34	− 6 29.6	2.329	3.149	12.1	21.2
4 11	15 23.71	− 5 25.7	2.250	3.150	9.5	21.0
4 21	15 17.28	− 4 20.5	2.195	3.151	6.7	20.8
5 1	15 9.59	− 3 18.6	2.166	3.151	4.7	20.7
5 11	15 1.37	− 2 24.9	2.167	3.151	5.0	20.7
5 21	14 53.40	− 1 43.3	2.195	3.150	7.3	20.8
5 31	14 46.39	− 1 16.6	2.249	3.148	10.1	21.0
6 10	14 40.92	− 1 6.0	2.327	3.146	12.7	21.2

63061 2000 WH_{118} 5 8.7 10°.37 2°.2/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.60	−11 35.6	1.626	2.459	15.9	18.3
4 11	15 26.36	−11 40.5	1.550	2.461	12.3	18.0
4 21	15 19.51	−11 43.7	1.495	2.462	8.2	17.8
5 1	15 10.72	−11 47.1	1.465	2.464	3.9	17.5
5 11	15 1.05	−11 53.4	1.460	2.466	2.7	17.5
5 21	14 51.67	−12 4.8	1.482	2.469	6.7	17.7
5 31	14 43.69	−12 23.7	1.529	2.472	10.9	18.0
6 10	14 37.95	−12 51.4	1.598	2.476	14.7	18.2

294727 Dennisritchie 5 8.7 78°.37 3°.5/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.27	− 9 9.8	2.265	3.090	12.2	20.4
4 11	15 22.05	− 8 15.4	2.203	3.108	9.4	20.2
4 21	15 16.12	− 7 19.2	2.165	3.127	6.4	20.0
5 1	15 9.04	− 6 25.2	2.153	3.145	3.9	19.9
5 11	15 1.58	− 5 37.8	2.169	3.163	4.0	19.9
5 21	14 54.45	− 5 0.4	2.214	3.181	6.4	20.1
5 31	14 48.35	− 4 35.8	2.284	3.199	9.3	20.3
6 10	14 43.77	− 4 25.1	2.378	3.217	11.9	20.5

305508 2008 EE_{146} 5 8.7 30°.76 3°.8/ 5.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.26	− 7 34.9	2.296	3.122	12.0	20.4
4 11	15 21.39	− 6 51.5	2.218	3.124	9.4	20.2
4 21	15 15.78	− 6 7.2	2.165	3.126	6.5	20.0
5 1	15 8.94	− 5 25.8	2.138	3.128	4.1	19.9
5 11	15 1.60	− 4 51.2	2.138	3.130	4.2	19.9
5 21	14 54.48	− 4 26.7	2.166	3.132	6.7	20.1
5 31	14 48.30	− 4 14.7	2.219	3.134	9.5	20.2
6 10	14 43.60	− 4 16.1	2.296	3.136	12.2	20.4

248915 2006 VS_{89} 5 8.7 321°.87 2°.4/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.60	−25 30.9	1.940	2.744	14.8	19.9
4 11	15 22.40	−25 24.9	1.842	2.731	11.9	19.6
4 21	15 16.87	−25 5.1	1.765	2.718	8.4	19.4
5 1	15 9.56	−24 31.3	1.713	2.705	4.7	19.1
5 11	15 1.39	−23 45.5	1.686	2.692	2.4	19.0
5 21	14 53.36	−22 51.7	1.687	2.680	5.2	19.1
5 31	14 46.50	−21 55.5	1.713	2.669	9.1	19.3
6 10	14 41.59	−21 2.8	1.763	2.658	12.7	19.5

85286 1994 PA_{27} 5 8.7 216°.47 3°.8/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.64	− 9 54.5	1.888	2.710	14.5	21.0
4 11	15 27.64	− 9 7.1	1.797	2.701	11.3	20.7
4 21	15 20.24	− 8 15.4	1.729	2.691	7.7	20.5
5 1	15 11.03	− 7 23.8	1.687	2.681	4.5	20.3
5 11	15 0.96	− 6 37.3	1.672	2.669	4.4	20.2
5 21	14 51.08	− 6 0.9	1.685	2.657	7.6	20.4
5 31	14 42.40	− 5 38.4	1.723	2.644	11.4	20.6
6 10	14 35.72	− 5 32.0	1.784	2.630	14.9	20.8

270505 2002 ED_{163} 5 8.7 102°.69 3°.7/11.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.52	−28 6.7	2.133	2.904	14.7	21.7
4 11	15 29.60	−28 32.9	2.063	2.927	11.8	21.5
4 21	15 21.32	−28 46.1	2.015	2.950	8.6	21.4
5 1	15 11.42	−28 45.0	1.992	2.973	5.4	21.2
5 11	15 0.88	−28 29.8	1.997	2.995	3.7	21.1
5 21	14 50.77	−28 3.4	2.030	3.016	5.3	21.3
5 31	14 42.04	−27 30.3	2.091	3.037	8.3	21.5
6 10	14 35.40	−26 55.7	2.176	3.057	11.2	21.7

342940 2009 AH_{24} 5 8.7 227°.86 3°.6/ 5.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.21	− 6 59.5	2.677	3.490	10.9	21.8
4 11	15 23.51	− 6 15.4	2.579	3.477	8.5	21.6
4 21	15 17.14	− 5 29.9	2.506	3.462	6.0	21.5
5 1	15 9.57	− 4 46.5	2.460	3.447	3.9	21.3
5 11	15 1.42	− 4 9.0	2.443	3.432	4.1	21.3
5 21	14 53.38	− 3 40.3	2.455	3.415	6.3	21.4
5 31	14 46.12	− 3 23.1	2.494	3.398	9.0	21.5
6 10	14 40.20	− 3 18.5	2.557	3.381	11.6	21.7

34553 2000 SV_{246} 5 8.7 189°.70 1°.6/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 21.57	−26 21.1	4.788	5.551	7.2	19.7
4 11	15 17.79	−26 30.1	4.688	5.551	5.7	19.6
4 21	15 13.06	−26 33.5	4.614	5.550	4.1	19.5
5 1	15 7.68	−26 31.2	4.567	5.550	2.5	19.4
5 11	15 1.99	−26 23.9	4.549	5.549	1.6	19.3
5 21	14 56.38	−26 12.5	4.561	5.549	2.5	19.4
5 31	14 51.21	−25 58.5	4.603	5.548	4.2	19.5
6 10	14 46.81	−25 43.6	4.671	5.547	5.8	19.6

414008 2007 GN_{49} 5 8.7 72°.15 8°.8/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.36	+ 0 28.0	1.750	2.573	15.4	20.8
4 11	15 27.54	+ 2 56.7	1.725	2.616	12.4	20.7
4 21	15 19.65	+ 5 17.2	1.724	2.659	9.9	20.6
5 1	15 10.53	+ 7 19.6	1.750	2.701	8.8	20.7
5 11	15 1.20	+ 8 55.9	1.803	2.742	9.6	20.8
5 21	14 52.61	+10 2.1	1.882	2.783	11.6	21.0
5 31	14 45.54	+10 37.8	1.984	2.822	13.8	21.2
6 10	14 40.48	+10 46.2	2.105	2.861	15.9	21.5

294769 2008 CX_{32} 5 8.7 203°.70 1°.4/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.02	−15 4.3	2.080	2.892	13.6	22.0
4 11	15 26.96	−14 38.5	1.988	2.887	10.6	21.8
4 21	15 19.68	−14 6.2	1.919	2.881	7.0	21.5
5 1	15 10.76	−13 29.8	1.876	2.875	3.2	21.3
5 11	15 1.07	−12 52.5	1.861	2.868	2.0	21.2
5 21	14 51.57	−12 18.2	1.875	2.860	5.8	21.4
5 31	14 43.21	−11 51.0	1.916	2.852	9.6	21.6
6 10	14 36.69	−11 33.9	1.981	2.843	13.0	21.8

74904 1999 TV_{124} 5 8.7 333°.15 5°.8/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 21.11	−11 29.4	1.141	2.013	18.6	18.6
4 11	15 20.03	− 9 57.2	1.064	1.996	14.5	18.3
4 21	15 15.85	− 8 11.8	1.005	1.980	10.0	17.9
5 1	15 9.27	− 6 22.3	0.968	1.965	6.3	17.7
5 11	15 1.49	− 4 40.4	0.954	1.951	6.9	17.7
5 21	14 53.94	− 3 17.8	0.962	1.938	11.3	17.9
5 31	14 48.03	− 2 23.1	0.991	1.927	16.2	18.1
6 10	14 44.78	− 1 59.8	1.036	1.917	20.6	18.3

176423 2001 VF_{28} 5 8.7 158°.37 0°.7/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.50	−15 39.6	2.709	3.513	11.0	20.9
4 11	15 23.66	−15 31.0	2.623	3.518	8.5	20.7
4 21	15 17.18	−15 18.0	2.562	3.523	5.6	20.5
5 1	15 9.56	−15 1.9	2.528	3.527	2.5	20.3
5 11	15 1.44	−14 44.8	2.523	3.531	1.2	20.2
5 21	14 53.51	−14 28.8	2.548	3.535	4.3	20.5
5 31	14 46.45	−14 16.3	2.601	3.539	7.3	20.7
6 10	14 40.76	−14 9.5	2.679	3.542	10.0	20.8

7145 Linzexu 5 8.7 148°.08 3°.4/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.50	−10 33.2	2.119	2.939	13.1	17.3
4 11	15 24.74	− 9 36.1	2.045	2.948	10.1	17.2
4 21	15 18.02	− 8 35.2	1.994	2.957	6.8	17.0
5 1	15 9.94	− 7 34.6	1.971	2.964	3.9	16.8
5 11	15 1.33	− 6 39.3	1.975	2.972	3.9	16.8
5 21	14 53.05	− 5 53.7	2.008	2.978	6.7	17.0
5 31	14 45.88	− 5 21.3	2.067	2.984	10.0	17.2
6 10	14 40.44	− 5 3.8	2.149	2.990	12.9	17.4

217843 2001 OV_{36} 5 8.7 254°.99 4°.7/11.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.00	−30 1.7	1.977	2.751	15.6	21.1
4 11	15 28.40	−30 26.5	1.870	2.733	12.9	20.9
4 21	15 21.05	−30 36.8	1.783	2.716	9.7	20.7
5 1	15 11.52	−30 29.8	1.720	2.697	6.5	20.4
5 11	15 0.81	−30 4.8	1.683	2.678	4.7	20.3
5 21	14 50.11	−29 24.0	1.674	2.659	6.3	20.3
5 31	14 40.67	−28 32.5	1.691	2.639	9.7	20.5
6 10	14 33.46	−27 37.5	1.731	2.619	13.3	20.7

427349 2014 WU_{381} 5 8.7 100°.00 6°.7/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.00	−33 26.1	1.806	2.569	17.3	20.5
4 11	15 30.85	−34 23.7	1.729	2.578	14.5	20.4
4 21	15 22.67	−35 4.8	1.671	2.588	11.4	20.2
5 1	15 12.20	−35 24.7	1.637	2.598	8.4	20.0
5 11	15 0.65	−35 21.9	1.627	2.607	6.8	19.9
5 21	14 49.42	−34 57.9	1.643	2.617	7.7	20.0
5 31	14 39.85	−34 18.3	1.685	2.626	10.3	20.2
6 10	14 32.88	−33 31.1	1.750	2.635	13.3	20.4

251414 2008 AV_{38} 5 8.7 14°.73 3°.8/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.40	−29 42.8	2.136	2.917	14.4	20.1
4 11	15 23.54	−29 47.7	2.049	2.918	11.7	19.9
4 21	15 17.46	−29 37.9	1.983	2.919	8.7	19.7
5 1	15 9.78	−29 12.4	1.940	2.921	5.6	19.5
5 11	15 1.38	−28 32.5	1.925	2.923	3.8	19.4
5 21	14 53.24	−27 41.6	1.936	2.925	5.3	19.5
5 31	14 46.29	−26 44.7	1.974	2.927	8.3	19.7
6 10	14 41.23	−25 47.9	2.037	2.929	11.4	19.9

379718 2011 GB_{30} 5 8.7 243.°61 5.°0/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 27.22	− 7 9.9	1.949	2.780	13.7	21.2
4 11	15 23.30	− 6 1.5	1.866	2.773	10.7	20.9
4 21	15 17.26	− 4 50.4	1.806	2.766	7.6	20.7
5 1	15 9.68	− 3 42.0	1.771	2.758	5.2	20.6
5 11	15 1.41	− 2 42.5	1.764	2.751	5.6	20.6
5 21	14 53.35	− 1 57.0	1.783	2.743	8.3	20.7
5 31	14 46.40	− 1 29.1	1.827	2.735	11.6	20.9
6 10	14 41.22	− 1 20.3	1.893	2.727	14.7	21.1

55649 3023 *P–L* 5 8.7 76.°78 0.°9/ 9.4 18

4 1	15 29.54	−23 39.6	1.670	2.482	16.4	18.2
4 11	15 25.40	−22 57.8	1.601	2.497	12.9	18.0
4 21	15 18.72	−22 0.4	1.553	2.512	8.7	17.8
5 1	15 10.30	−20 49.4	1.530	2.527	4.2	17.5
5 11	15 1.26	−19 30.1	1.533	2.542	1.2	17.3
5 21	14 52.74	−18 9.2	1.563	2.557	5.5	17.7
5 31	14 45.75	−16 54.0	1.620	2.572	9.8	17.9
6 10	14 40.98	−15 50.6	1.699	2.587	13.5	18.2

468172 2014 WD_{499} 5 8.7 103.°10 1.°4/ 9.8 18

4 1	15 30.83	−25 12.0	1.827	2.626	15.7	20.7
4 11	15 26.20	−24 31.4	1.754	2.642	12.4	20.5
4 21	15 19.17	−23 34.8	1.703	2.657	8.5	20.3
5 1	15 10.49	−22 23.9	1.677	2.672	4.3	20.0
5 11	15 1.22	−21 3.2	1.678	2.686	1.5	19.9
5 21	14 52.46	−19 39.2	1.707	2.701	5.2	20.1
5 31	14 45.16	−18 18.9	1.763	2.714	9.2	20.4
6 10	14 39.99	−17 8.6	1.843	2.728	12.8	20.7

233893 Honthyhanna 5 8.7 160.°47 0.°9/ 7.6 18

4 1	15 22.62	−14 20.0	3.936	4.739	7.9	22.4
4 11	15 18.66	−13 57.6	3.849	4.744	6.1	22.3
4 21	15 13.66	−13 32.3	3.787	4.748	4.0	22.1
5 1	15 7.95	−13 5.4	3.754	4.753	1.8	22.0
5 11	15 1.96	−12 38.8	3.751	4.757	1.2	21.9
5 21	14 56.10	−12 14.2	3.778	4.761	3.3	22.1
5 31	14 50.77	−11 53.4	3.834	4.764	5.4	22.2
6 10	14 46.32	−11 37.9	3.916	4.768	7.3	22.4

125034 2001 TE_{193} 5 8.7 178.°09 5.°2/11.7 18

4 1	15 34.97	−30 36.3	1.699	2.479	17.5	19.3
4 11	15 30.14	−31 1.7	1.614	2.480	14.4	19.1
4 21	15 22.26	−31 9.8	1.548	2.481	10.9	18.9
5 1	15 12.04	−30 57.5	1.505	2.482	7.3	18.7
5 11	15 0.73	−30 24.6	1.487	2.482	5.2	18.6
5 21	14 49.72	−29 34.6	1.496	2.482	6.8	18.7
5 31	14 40.36	−28 34.1	1.530	2.481	10.4	18.9
6 10	14 33.63	−27 31.7	1.587	2.479	14.0	19.1

366205 2012 RX_{7} 5 8.7 309.°87 7.°8/13.7 18

4 1	15 29.11	−36 58.5	1.710	2.473	18.1	20.3
4 11	15 26.00	−37 33.6	1.610	2.456	15.5	20.0
4 21	15 19.77	−37 47.7	1.529	2.440	12.6	19.8
5 1	15 11.04	−37 35.7	1.469	2.424	9.7	19.6
5 11	15 1.00	−36 55.9	1.432	2.409	7.9	19.4
5 21	14 51.07	−35 50.3	1.419	2.394	8.5	19.4
5 31	14 42.72	−34 25.9	1.431	2.379	11.2	19.6
6 10	14 37.02	−32 52.9	1.465	2.365	14.5	19.7

96354 1997 VO_{3} 5 8.7 125.°23 0.°9/ 8.2 18

4 1	15 34.36	−16 30.5	1.754	2.570	15.6	20.3
4 11	15 28.94	−16 10.8	1.685	2.585	12.1	20.1
4 21	15 21.02	−15 43.4	1.637	2.600	8.0	19.9
5 1	15 11.33	−15 10.6	1.615	2.615	3.5	19.7
5 11	15 0.98	−14 35.9	1.620	2.628	1.6	19.6
5 21	14 51.08	−14 3.5	1.653	2.641	6.0	19.9
5 31	14 42.68	−13 37.9	1.712	2.654	10.1	20.1
6 10	14 36.49	−13 22.4	1.794	2.665	13.7	20.4

169915 2002 SR_{8} 5 8.7 183.°37 0.°6/ 9.1 18

4 1	15 29.31	−19 59.6	2.307	3.108	12.8	20.8
4 11	15 24.70	−19 57.2	2.217	3.109	10.0	20.6
4 21	15 18.09	−19 47.0	2.151	3.109	6.7	20.4
5 1	15 10.05	−19 29.7	2.111	3.108	3.2	20.2
5 11	15 1.35	−19 7.2	2.099	3.108	0.9	20.0
5 21	14 52.84	−18 42.2	2.115	3.107	4.5	20.3
5 31	14 45.36	−18 18.2	2.159	3.106	8.0	20.5
6 10	14 39.55	−17 58.7	2.228	3.105	11.2	20.7

250099 2002 GF_{128} 5 8.7 245.°70 6.°2/12.8 18

4 1	15 34.27	−36 26.4	2.706	3.427	13.0	20.5
4 11	15 28.83	−37 28.3	2.602	3.419	11.2	20.3
4 21	15 21.06	−38 18.0	2.520	3.410	9.1	20.2
5 1	15 11.48	−38 52.0	2.462	3.401	7.3	20.0
5 11	15 0.89	−39 8.0	2.431	3.391	6.2	20.0
5 21	14 50.27	−39 6.2	2.428	3.382	6.7	20.0
5 31	14 40.62	−38 49.2	2.451	3.372	8.4	20.1
6 10	14 32.77	−38 21.7	2.499	3.363	10.6	20.2

333298 2000 SS_{90} 5 8.7 321.°34 1.°3/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 23.88	−24 52.1	1.446	2.275	17.7	19.5
4 11	15 21.86	−24 7.7	1.350	2.255	14.2	19.2
4 21	15 16.93	−23 1.2	1.273	2.235	9.8	18.9
5 1	15 9.74	−21 33.9	1.219	2.217	4.9	18.6
5 11	15 1.41	−19 50.8	1.189	2.198	1.5	18.3
5 21	14 53.26	−18 0.8	1.185	2.181	6.4	18.6
5 31	14 46.59	−16 14.6	1.205	2.165	11.7	18.8
6 10	14 42.40	−14 42.1	1.247	2.149	16.4	19.0

168586 1999 YN_{1} 5 8.7 124.°76 0.°0/ 8.6 18

4 1	15 48.91	−12 26.7	1.251	2.068	20.6	20.0
4 11	15 41.67	−13 44.7	1.178	2.078	16.3	19.7
4 21	15 30.35	−15 6.0	1.125	2.087	10.9	19.4
5 1	15 15.79	−16 27.6	1.097	2.096	4.9	19.1
5 11	14 59.63	−17 45.6	1.095	2.104	1.4	18.9
5 21	14 43.87	−18 57.3	1.121	2.112	7.6	19.3
5 31	14 30.42	−20 2.6	1.173	2.120	13.2	19.6
6 10	14 20.55	−21 4.1	1.246	2.127	17.9	19.9

477156 2009 DS_{130} 5 8.7 328.°07 4.°5/ 4.5 18

4 1	15 23.84	− 9 43.5	2.049	2.883	13.0	20.6
4 11	15 20.58	− 8 9.3	1.967	2.877	10.1	20.4
4 21	15 15.39	− 6 29.1	1.908	2.872	7.0	20.2
5 1	15 8.84	− 4 48.9	1.877	2.867	4.7	20.1
5 11	15 1.71	− 3 15.8	1.874	2.862	5.2	20.1
5 21	14 54.81	− 1 56.1	1.898	2.857	7.9	20.2
5 31	14 48.93	− 0 54.6	1.947	2.853	11.1	20.4
6 10	14 44.68	− 0 13.6	2.018	2.848	14.0	20.6

364754 2007 VH_{329} 5 8.7 225.°64 1.°8/ 7.7 17

4 1	15 32.96	−14 1.4	1.859	2.677	14.8	21.6
4 11	15 28.04	−13 43.1	1.766	2.668	11.5	21.4
4 21	15 20.61	−13 19.2	1.694	2.657	7.7	21.1
5 1	15 11.27	−12 51.8	1.647	2.646	3.6	20.8
5 11	15 0.97	−12 24.4	1.628	2.635	2.3	20.7
5 21	14 50.82	−12 0.8	1.637	2.623	6.4	21.0
5 31	14 41.89	−11 44.9	1.672	2.610	10.6	21.2
6 10	14 35.04	−11 39.8	1.730	2.596	14.3	21.4

37544 1981 EY_{16} 5 8.7 228.°68 0.°3/ 8.9 17

4 1	15 31.69	−20 34.3	1.784	2.596	15.6	19.6
4 11	15 27.24	−20 12.0	1.690	2.587	12.3	19.3
4 21	15 20.16	−19 37.6	1.616	2.577	8.3	19.1
5 1	15 11.08	−18 52.2	1.568	2.567	3.8	18.8
5 11	15 1.03	−17 59.1	1.546	2.556	1.1	18.5
5 21	14 51.17	−17 3.5	1.552	2.544	5.8	18.8
5 31	14 42.63	−16 11.4	1.584	2.532	10.3	19.1
6 10	14 36.28	−15 28.4	1.639	2.520	14.3	19.3

503193 2015 HL_{5} 5 8.7 75.°75 4.°0/11.8 17

4 1	15 29.75	−30 24.9	1.921	2.701	15.7	20.3
4 11	15 25.53	−30 24.5	1.843	2.711	12.8	20.1
4 21	15 18.84	−30 7.1	1.785	2.721	9.5	20.0
5 1	15 10.41	−29 31.6	1.751	2.731	6.1	19.8
5 11	15 1.26	−28 39.8	1.743	2.741	4.1	19.7
5 21	14 52.51	−27 36.2	1.762	2.751	5.6	19.8
5 31	14 45.18	−26 27.0	1.807	2.760	8.9	20.0
6 10	14 39.98	−25 19.5	1.877	2.770	12.1	20.2

65238 2002 EZ_{97} 5 8.7 3.°17 4.°3/ 6.1 18

4 1	15 27.69	− 8 30.4	1.705	2.543	15.0	19.1
4 11	15 23.93	− 7 48.7	1.630	2.542	11.7	18.9
4 21	15 17.81	− 7 4.9	1.578	2.542	8.1	18.7
5 1	15 9.97	− 6 24.0	1.549	2.543	4.9	18.5
5 11	15 1.39	− 5 51.0	1.547	2.543	4.9	18.5
5 21	14 53.11	− 5 30.4	1.571	2.544	8.0	18.7
5 31	14 46.11	− 5 24.9	1.619	2.545	11.7	18.9
6 10	14 41.13	− 5 35.8	1.688	2.546	15.0	19.1

500617 2012 UU_{147} 5 8.7 115.°69 1.°1/ 9.6 17

4 1	15 29.28	−22 11.4	2.532	3.323	12.1	22.3
4 11	15 24.38	−22 6.3	2.454	3.338	9.5	22.1
4 21	15 17.71	−21 52.5	2.400	3.353	6.4	21.9
5 1	15 9.82	−21 30.8	2.372	3.367	3.2	21.7
5 11	15 1.45	−21 3.0	2.373	3.381	1.2	21.6
5 21	14 53.36	−20 31.8	2.403	3.395	4.1	21.8
5 31	14 46.27	−20 0.7	2.461	3.408	7.2	22.0
6 10	14 40.73	−19 33.1	2.545	3.421	10.0	22.2

87763 2000 SL_{90} 5 8.7 111.°57 6.°3/13.6 18

4 1	15 31.89	−36 25.4	1.913	2.665	16.8	19.2
4 11	15 27.44	−36 37.3	1.830	2.671	14.2	19.0
4 21	15 20.25	−36 28.3	1.766	2.677	11.2	18.9
5 1	15 11.08	−35 55.7	1.724	2.683	8.3	18.7
5 11	15 1.07	−34 59.7	1.708	2.689	6.4	18.6
5 21	14 51.48	−33 44.5	1.718	2.695	7.0	18.6
5 31	14 43.45	−32 17.2	1.754	2.700	9.6	18.8
6 10	14 37.81	−30 46.9	1.813	2.706	12.5	19.0

428708 2008 RR_2 5 8.7 113°.74 8°.2/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 36.40	−39 9.8	2.071	2.795	16.5	21.8
4 11	15 31.09	−40 16.0	1.990	2.803	14.2	21.6
4 21	15 22.83	−41 4.4	1.927	2.811	11.8	21.5
5 1	15 12.31	−41 29.9	1.887	2.818	9.6	21.4
5 11	15 0.68	−41 29.9	1.872	2.826	8.3	21.3
5 21	14 49.30	−41 5.5	1.882	2.833	8.6	21.3
5 31	14 39.46	−40 21.4	1.917	2.840	10.3	21.4
6 10	14 32.14	−39 25.4	1.976	2.847	12.6	21.6

112521 2002 PK_{29} 5 8.7 295°.72 2°.2/ 7.4 17

4 1	15 28.44	−14 55.2	1.523	2.360	16.5	19.9
4 11	15 24.98	−14 16.9	1.440	2.353	12.9	19.6
4 21	15 18.77	−13 29.6	1.377	2.346	8.6	19.3
5 1	15 10.49	−12 36.9	1.338	2.338	4.0	19.0
5 11	15 1.23	−11 44.2	1.325	2.331	2.9	18.9
5 21	14 52.21	−10 57.7	1.338	2.324	7.3	19.2
5 31	14 44.64	−10 22.9	1.374	2.317	11.9	19.4
6 10	14 39.39	−10 3.8	1.431	2.311	16.0	19.7

115763 2003 UU_{206} 5 8.7 355°.50 4°.6/11.2 18

4 1	15 29.45	−28 17.5	1.385	2.198	19.2	19.4
4 11	15 26.37	−28 37.3	1.306	2.196	15.7	19.1
4 21	15 20.01	−28 38.4	1.246	2.194	11.5	18.9
5 1	15 11.13	−28 18.4	1.207	2.193	7.2	18.6
5 11	15 1.04	−27 38.2	1.191	2.193	4.6	18.5
5 21	14 51.29	−26 42.4	1.200	2.193	7.0	18.6
5 31	14 43.35	−25 39.2	1.232	2.193	11.3	18.9
6 10	14 38.23	−24 37.9	1.286	2.194	15.6	19.1

12403 1995 QD_3 5 8.7 153°.27 1°.1/ 9.5 18

4 1	15 33.11	−21 58.8	2.025	2.823	14.5	18.6
4 11	15 27.84	−21 48.5	1.944	2.831	11.4	18.4
4 21	15 20.26	−21 27.3	1.884	2.839	7.7	18.2
5 1	15 11.03	−20 56.1	1.850	2.846	3.8	18.0
5 11	15 1.10	−20 17.1	1.844	2.853	1.3	17.8
5 21	14 51.50	−19 34.3	1.867	2.859	5.0	18.1
5 31	14 43.20	−18 52.5	1.917	2.864	8.8	18.3
6 10	14 36.90	−18 16.4	1.991	2.869	12.2	18.5

439639 2014 GF_{12} 5 8.7 170°.92 3°.7/ 5.5 18

4 1	15 25.49	− 7 42.8	2.434	3.257	11.5	21.4
4 11	15 21.49	− 6 50.9	2.354	3.258	9.0	21.2
4 21	15 15.83	− 5 57.6	2.299	3.259	6.2	21.1
5 1	15 9.00	− 5 6.6	2.270	3.259	4.1	20.9
5 11	15 1.69	− 4 22.2	2.270	3.260	4.2	20.9
5 21	14 54.60	− 3 47.8	2.298	3.260	6.5	21.1
5 31	14 48.39	− 3 26.1	2.351	3.261	9.3	21.2
6 10	14 43.59	− 3 18.1	2.428	3.261	11.8	21.4

422736 2001 RP_{118} 5 8.7 189°.96 1°.1/ 9.5 17

4 1	15 32.06	−21 37.1	2.155	2.952	13.7	22.2
4 11	15 27.02	−21 35.3	2.064	2.951	10.8	22.0
4 21	15 19.74	−21 24.0	1.995	2.949	7.4	21.8
5 1	15 10.82	−21 3.4	1.951	2.947	3.6	21.5
5 11	15 1.15	−20 35.5	1.936	2.945	1.3	21.4
5 21	14 51.68	−20 3.1	1.950	2.942	4.8	21.6
5 31	14 43.35	−19 30.6	1.991	2.938	8.6	21.8
6 10	14 36.89	−19 2.3	2.056	2.934	11.9	22.0

166027 2002 AV_{202} 5 8.7 3°.78 3°.0/ 7.2 17

4 1	15 26.76	−14 2.3	1.197	2.054	18.9	20.1
4 11	15 24.20	−13 21.1	1.130	2.054	14.6	19.8
4 21	15 18.49	−12 30.8	1.081	2.053	9.7	19.6
5 1	15 10.40	−11 36.2	1.054	2.054	4.7	19.3
5 11	15 1.27	−10 44.4	1.050	2.055	3.7	19.2
5 21	14 52.56	−10 2.6	1.070	2.058	8.5	19.5
5 31	14 45.64	− 9 36.6	1.111	2.061	13.5	19.8
6 10	14 41.43	− 9 29.7	1.172	2.064	17.9	20.1

127860 2003 FS_{115} 5 8.7 24°.01 2°.8/10.1 17

4 1	15 29.43	−23 8.8	1.368	2.196	18.6	19.0
4 11	15 26.09	−23 36.6	1.301	2.204	14.8	18.8
4 21	15 19.65	−23 51.4	1.253	2.212	10.3	18.6
5 1	15 10.89	−23 52.0	1.228	2.222	5.6	18.3
5 11	15 1.13	−23 39.7	1.226	2.233	2.9	18.2
5 21	14 51.81	−23 18.2	1.249	2.244	6.4	18.4
5 31	14 44.27	−22 53.2	1.296	2.256	10.9	18.7
6 10	14 39.41	−22 31.0	1.364	2.269	15.0	19.0

303219 2004 KX_{10} 5 8.7 322°.06 5°.2/ 5.4 17

4 1	15 26.27	− 4 40.4	1.913	2.747	13.8	20.4
4 11	15 22.69	− 4 3.2	1.827	2.734	10.9	20.2
4 21	15 16.95	− 3 27.3	1.763	2.722	7.9	20.0
5 1	15 9.61	− 2 57.3	1.724	2.710	5.5	19.8
5 11	15 1.51	− 2 37.9	1.711	2.698	5.7	19.8
5 21	14 53.56	− 2 32.6	1.724	2.686	8.3	19.9
5 31	14 46.67	− 2 43.5	1.761	2.675	11.6	20.1
6 10	14 41.57	− 3 10.9	1.820	2.665	14.7	20.3

297259 1995 SA_{66} 5 8.7 106°.26 4°.5/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.19	−31 6.7	2.369	3.130	13.7	21.0
4 11	15 26.30	−31 37.8	2.285	3.138	11.3	20.9
4 21	15 19.24	−31 56.0	2.222	3.146	8.6	20.7
5 1	15 10.59	−31 59.3	2.184	3.154	5.9	20.6
5 11	15 1.23	−31 47.7	2.173	3.162	4.5	20.5
5 21	14 52.10	−31 23.0	2.189	3.169	5.5	20.6
5 31	14 44.12	−30 49.2	2.233	3.177	8.0	20.7
6 10	14 37.97	−30 11.4	2.302	3.184	10.6	20.9

344688 2003 SA_{298} 5 8.7 297°.54 3°.8/11.5 17

4 1	15 27.47	−30 11.4	1.829	2.618	16.1	20.5
4 11	15 24.18	−29 55.8	1.724	2.599	13.2	20.2
4 21	15 18.25	−29 20.5	1.640	2.581	9.8	20.0
5 1	15 10.28	−28 24.2	1.578	2.563	6.2	19.7
5 11	15 1.30	−27 8.8	1.543	2.544	3.8	19.5
5 21	14 52.48	−25 39.2	1.534	2.526	5.8	19.6
5 31	14 44.98	−24 3.5	1.551	2.508	9.7	19.8
6 10	14 39.68	−22 30.6	1.592	2.491	13.6	20.0

122633 2000 RA_{80} 5 8.7 161°.10 4°.2/12.4 17

4 1	15 33.14	−32 55.0	2.608	3.350	13.0	21.1
4 11	15 27.57	−33 2.9	2.517	3.358	10.8	20.9
4 21	15 19.94	−32 56.5	2.448	3.365	8.2	20.8
5 1	15 10.86	−32 34.4	2.405	3.372	5.7	20.6
5 11	15 1.16	−31 57.2	2.389	3.377	4.2	20.5
5 21	14 51.75	−31 7.5	2.403	3.382	5.1	20.6
5 31	14 43.46	−30 9.8	2.444	3.386	7.5	20.7
6 10	14 36.93	−29 9.5	2.512	3.390	10.0	20.9

300825 2007 XL_9 5 8.7 247°.27 1°.1/ 8.0 17

4 1	15 28.10	−14 59.9	2.221	3.037	12.8	20.8
4 11	15 23.80	−14 49.1	2.134	3.035	9.9	20.6
4 21	15 17.52	−14 33.3	2.069	3.033	6.5	20.4
5 1	15 9.82	−14 14.4	2.032	3.031	2.9	20.1
5 11	15 1.47	−13 55.0	2.022	3.029	1.6	20.0
5 21	14 53.31	−13 37.7	2.040	3.027	5.1	20.3
5 31	14 46.15	−13 25.7	2.085	3.025	8.6	20.5
6 10	14 40.64	−13 21.3	2.153	3.023	11.8	20.7

522833 2016 NO_{83} 5 8.7 131°.39 3°.3/ 5.8 17

4 1	15 25.80	− 8 46.1	2.513	3.333	11.3	21.9
4 11	15 21.64	− 7 56.6	2.437	3.340	8.7	21.7
4 21	15 15.88	− 7 5.2	2.386	3.347	6.0	21.6
5 1	15 9.02	− 6 15.6	2.362	3.353	3.7	21.4
5 11	15 1.72	− 5 31.6	2.367	3.360	3.8	21.5
5 21	14 54.66	− 4 56.6	2.399	3.366	6.1	21.6
5 31	14 48.49	− 4 33.0	2.459	3.371	8.8	21.8
6 10	14 43.70	− 4 22.2	2.542	3.377	11.3	22.0

105818 2000 SM_{142} 5 8.7 180°.75 0°.4/ 9.1 18

4 1	15 26.88	−20 49.3	2.833	3.627	10.9	20.1
4 11	15 22.43	−20 29.4	2.740	3.627	8.5	20.0
4 21	15 16.40	−20 1.8	2.672	3.628	5.7	19.8
5 1	15 9.26	−19 27.5	2.630	3.628	2.7	19.6
5 11	15 1.65	−18 48.6	2.618	3.627	0.7	19.4
5 21	14 54.21	−18 8.1	2.636	3.627	3.8	19.7
5 31	14 47.60	−17 29.3	2.681	3.626	6.8	19.8
6 10	14 42.31	−16 55.1	2.753	3.624	9.5	20.0

520236 2014 DV_{153} 5 8.7 97°.34 7°.3/30.8 17

4 1	15 24.66	+ 1 53.3	2.351	3.173	11.9	21.4
4 11	15 20.84	+ 3 44.4	2.290	3.180	9.8	21.3
4 21	15 15.38	+ 5 31.5	2.254	3.186	8.0	21.1
5 1	15 8.80	+ 7 7.9	2.245	3.193	7.3	21.1
5 11	15 1.79	+ 8 27.4	2.263	3.199	8.1	21.2
5 21	14 55.04	+ 9 25.8	2.307	3.206	9.8	21.3
5 31	14 49.21	+10 1.3	2.375	3.212	11.9	21.4
6 10	14 44.80	+10 14.3	2.462	3.218	13.8	21.6

177118 2003 GM_{37} 5 8.7 92°.16 7°.3/13.6 17

4 1	15 39.29	−38 46.5	2.508	3.213	14.3	20.1
4 11	15 32.80	−40 4.9	2.431	3.232	12.3	20.0
4 21	15 23.71	−41 8.3	2.376	3.250	10.2	19.9
5 1	15 12.65	−41 52.2	2.345	3.268	8.3	19.8
5 11	15 0.63	−42 14.0	2.341	3.286	7.3	19.8
5 21	14 48.81	−42 14.3	2.363	3.304	7.6	19.8
5 31	14 38.30	−41 56.5	2.412	3.322	9.1	19.9
6 10	14 29.96	−41 26.4	2.486	3.339	11.0	20.1

438819 2009 AP 5 8.7 258°.90 21°.7/25.3 17

4 1	15 37.00	+24 52.7	1.170	1.954	23.6	20.8
4 11	15 32.39	+27 2.0	1.128	1.947	22.5	20.7
4 21	15 24.03	+28 38.6	1.099	1.939	21.8	20.6
5 1	15 12.89	+29 27.2	1.086	1.931	21.9	20.6
5 11	15 0.59	+29 17.5	1.088	1.923	22.7	20.6
5 21	14 48.92	+28 7.9	1.105	1.915	24.1	20.7
5 31	14 39.47	+26 3.8	1.136	1.906	25.9	20.8
6 10	14 33.25	+23 16.5	1.179	1.898	27.7	20.9

235410 2003 XR_{33} 5 8.7 289°.19 0°.9/ 8.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 27.09	−17 12.7	1.950	2.772	14.0	21.2
4 11	15 23.36	−16 44.2	1.860	2.764	10.9	20.9
4 21	15 17.41	−16 7.0	1.791	2.756	7.3	20.7
5 1	15 9.83	−15 23.4	1.748	2.748	3.2	20.4
5 11	15 1.47	−14 37.2	1.731	2.740	1.5	20.3
5 21	14 53.31	−13 52.8	1.742	2.732	5.6	20.5
5 31	14 46.27	−13 14.9	1.780	2.724	9.6	20.8
6 10	14 41.08	−12 47.3	1.840	2.716	13.2	21.0

49720 1999 VV_{52} 5 8.7 196°.38 0°.2/ 8.9 18

4 1	15 33.27	−20 45.3	1.634	2.448	16.7	18.9
4 11	15 28.61	−20 17.6	1.548	2.446	13.1	18.7
4 21	15 21.13	−19 36.5	1.483	2.444	8.8	18.4
5 1	15 11.54	−18 43.4	1.442	2.441	4.0	18.1
5 11	15 0.98	−17 42.5	1.427	2.437	1.1	17.9
5 21	14 50.72	−16 39.5	1.440	2.432	6.1	18.2
5 31	14 41.99	−15 41.5	1.479	2.427	10.9	18.5
6 10	14 35.66	−14 54.6	1.540	2.421	15.0	18.7

295283 2008 GP_{93} 5 8.7 143°.46 2°.6/ 6.4 18

4 1	15 26.12	−10 26.2	2.693	3.509	10.8	21.5
4 11	15 21.79	− 9 45.0	2.615	3.516	8.3	21.3
4 21	15 15.94	− 9 1.4	2.562	3.523	5.6	21.1
5 1	15 9.04	− 8 18.2	2.536	3.530	3.1	21.0
5 11	15 1.73	− 7 38.8	2.539	3.537	3.0	21.0
5 21	14 54.64	− 7 6.1	2.571	3.543	5.3	21.1
5 31	14 48.39	− 6 42.7	2.630	3.549	8.0	21.3
6 10	14 43.45	− 6 30.0	2.714	3.555	10.5	21.5

13030 1989 PF 5 8.7 270°.84 9°.2/30.2 18

4 1	15 27.32	+ 6 30.0	2.143	2.956	13.2	17.7
4 11	15 23.32	+ 8 2.1	2.057	2.934	11.3	17.5
4 21	15 17.30	+ 9 28.3	1.993	2.911	9.8	17.4
5 1	15 9.77	+10 41.0	1.955	2.888	9.2	17.3
5 11	15 1.49	+11 33.5	1.942	2.864	10.0	17.3
5 21	14 53.31	+12 1.4	1.953	2.841	11.9	17.3
5 31	14 46.06	+12 2.7	1.987	2.816	14.2	17.4
6 10	14 40.44	+11 38.6	2.039	2.792	16.4	17.6

376668 2013 QK_{14} 5 8.7 320°.11 1°.7/ 9.7 17

4 1	15 29.36	−22 32.3	1.582	2.402	16.9	21.4
4 11	15 25.77	−22 31.2	1.498	2.397	13.4	21.2
4 21	15 19.35	−22 17.0	1.433	2.393	9.2	20.9
5 1	15 10.78	−21 49.9	1.392	2.388	4.7	20.6
5 11	15 1.20	−21 12.1	1.376	2.384	1.8	20.4
5 21	14 51.86	−20 28.4	1.386	2.381	5.9	20.7
5 31	14 44.02	−19 44.9	1.421	2.377	10.5	20.9
6 10	14 38.57	−19 7.6	1.478	2.374	14.6	21.1

54269 2000 JZ_{36} 5 8.7 293°.27 1°.5/ 9.6 18

4 1	15 29.04	−22 25.1	1.664	2.481	16.3	19.2
4 11	15 25.47	−22 22.2	1.571	2.469	13.0	18.9
4 21	15 19.15	−22 6.5	1.498	2.458	9.0	18.6
5 1	15 10.72	−21 38.2	1.449	2.446	4.5	18.3
5 11	15 1.21	−20 59.5	1.426	2.434	1.7	18.1
5 21	14 51.85	−20 14.8	1.429	2.423	5.8	18.4
5 31	14 43.86	−19 30.0	1.456	2.412	10.4	18.6
6 10	14 38.17	−18 51.3	1.507	2.401	14.5	18.8

238691 2005 EK_{263} 5 8.7 208°.96 0°.0/ 8.5 18

4 1	15 28.18	−19 7.0	2.236	3.044	12.9	21.3
4 11	15 23.89	−18 47.8	2.145	3.041	10.1	21.1
4 21	15 17.60	−18 20.1	2.077	3.038	6.7	20.9
5 1	15 9.87	−17 45.4	2.036	3.035	3.0	20.7
5 11	15 1.48	−17 6.6	2.022	3.032	0.9	20.5
5 21	14 53.30	−16 27.1	2.037	3.028	4.8	20.8
5 31	14 46.14	−15 51.0	2.079	3.024	8.4	21.0
6 10	14 40.66	−15 22.0	2.145	3.020	11.6	21.2

501046 2013 RJ_{87} 5 8.7 189°.65 3°.4/11.0 17

4 1	15 34.66	−27 57.7	2.516	3.278	12.9	22.0
4 11	15 28.89	−28 26.1	2.418	3.277	10.5	21.9
4 21	15 20.95	−28 43.9	2.343	3.275	7.7	21.7
5 1	15 11.39	−28 49.5	2.294	3.273	5.0	21.5
5 11	15 1.03	−28 42.6	2.273	3.270	3.4	21.4
5 21	14 50.80	−28 24.8	2.281	3.266	4.9	21.5
5 31	14 41.61	−27 59.4	2.318	3.261	7.8	21.6
6 10	14 34.18	−27 31.1	2.380	3.256	10.6	21.8

36205 1999 TV_{101} 5 8.7 47°.88 3°.1/ 6.7 18

4 1	15 28.20	− 8 6.0	2.296	3.116	12.2	17.7
4 11	15 23.69	− 7 53.6	2.218	3.120	9.5	17.5
4 21	15 17.35	− 7 41.3	2.163	3.124	6.5	17.3
5 1	15 9.72	− 7 31.8	2.135	3.128	3.7	17.2
5 11	15 1.54	− 7 27.6	2.135	3.133	3.4	17.2
5 21	14 53.59	− 7 31.0	2.162	3.137	6.0	17.3
5 31	14 46.61	− 7 43.4	2.217	3.141	9.0	17.5
6 10	14 41.19	− 8 5.5	2.295	3.146	11.8	17.7

194406 2001 VB_{33} 5 8.7 147°.50 1°.1/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 33.96	−22 34.6	1.770	2.573	16.0	20.4
4 11	15 28.82	−22 16.5	1.692	2.583	12.6	20.2
4 21	15 21.07	−21 45.3	1.635	2.592	8.6	19.9
5 1	15 11.44	−21 1.9	1.603	2.600	4.2	19.7
5 11	15 1.05	−20 9.5	1.599	2.608	1.4	19.5
5 21	14 51.07	−19 13.1	1.622	2.614	5.5	19.8
5 31	14 42.59	−18 19.1	1.671	2.621	9.8	20.0
6 10	14 36.39	−17 32.9	1.744	2.626	13.5	20.3

173916 2001 VY_{55} 5 8.7 131°.51 2°.1/10.7 18

4 1	15 28.42	−26 44.5	2.682	3.458	11.9	21.2
4 11	15 23.72	−26 32.0	2.598	3.469	9.5	21.0
4 21	15 17.28	−26 8.4	2.537	3.480	6.7	20.8
5 1	15 9.66	−25 33.9	2.503	3.491	3.9	20.7
5 11	15 1.57	−24 50.3	2.497	3.501	2.1	20.6
5 21	14 53.76	−24 0.8	2.520	3.511	4.0	20.7
5 31	14 46.91	−23 9.4	2.572	3.520	6.8	20.9
6 10	14 41.57	−22 20.3	2.649	3.530	9.5	21.1

420728 2012 RO_{2} 5 8.7 217°.30 4°.4/ 1.9 18

4 1	15 19.60	+ 6 49.9	4.763	5.557	6.8	21.0
4 11	15 16.20	+ 7 24.3	4.688	5.553	5.7	20.9
4 21	15 12.00	+ 7 54.1	4.638	5.550	4.8	20.9
5 1	15 7.25	+ 8 17.0	4.615	5.546	4.4	20.8
5 11	15 2.28	+ 8 31.2	4.620	5.542	4.7	20.8
5 21	14 57.40	+ 8 35.7	4.652	5.538	5.5	20.9
5 31	14 52.92	+ 8 29.9	4.709	5.534	6.6	21.0
6 10	14 49.11	+ 8 14.0	4.789	5.530	7.7	21.1

56819 2000 QQ_{5} 5 8.7 173°.09 3°.8/11.8 18

4 1	15 29.84	−30 35.3	2.582	3.342	12.7	19.9
4 11	15 25.10	−30 52.4	2.489	3.344	10.4	19.8
4 21	15 18.38	−30 57.2	2.418	3.345	7.8	19.6
5 1	15 10.23	−30 48.3	2.373	3.346	5.3	19.4
5 11	15 1.41	−30 26.2	2.354	3.347	3.8	19.3
5 21	14 52.78	−29 53.0	2.365	3.347	4.9	19.4
5 31	14 45.16	−29 12.4	2.402	3.348	7.4	19.6
6 10	14 39.19	−28 29.2	2.465	3.348	10.0	19.7

248685 2006 KG_{52} 5 8.7 297°.04 4°.2/ 6.9 17

4 1	15 31.18	− 8 49.5	1.413	2.256	17.3	20.2
4 11	15 27.42	− 8 30.4	1.328	2.242	13.6	20.0
4 21	15 20.63	− 8 10.0	1.262	2.229	9.4	19.7
5 1	15 11.45	− 7 52.7	1.220	2.216	5.3	19.4
5 11	15 1.02	− 7 43.2	1.202	2.202	4.8	19.3
5 21	14 50.72	− 7 45.8	1.208	2.189	8.8	19.5
5 31	14 41.92	− 8 3.3	1.239	2.177	13.5	19.7
6 10	14 35.66	− 8 36.8	1.289	2.164	17.7	20.0

349398 2007 XZ_{54} 5 8.7 154°.88 0°.9/ 7.9 18

4 1	15 27.78	−15 42.3	2.959	3.760	10.3	22.1
4 11	15 22.96	−15 18.6	2.875	3.768	7.9	21.9
4 21	15 16.67	−14 50.1	2.816	3.776	5.2	21.8
5 1	15 9.38	−14 18.7	2.785	3.784	2.3	21.6
5 11	15 1.68	−13 46.6	2.784	3.791	1.3	21.5
5 21	14 54.19	−13 16.5	2.812	3.798	4.1	21.7
5 31	14 47.49	−12 50.7	2.870	3.804	6.8	21.9
6 10	14 42.05	−12 31.6	2.952	3.809	9.3	22.1

82986 2001 QK_{147} 5 8.7 144°.64 5°.3/ 5.2 18

4 1	15 29.60	− 0 49.6	2.371	3.184	12.1	19.4
4 11	15 24.66	− 0 23.4	2.296	3.188	9.7	19.3
4 21	15 17.94	− 0 1.7	2.245	3.192	7.2	19.1
5 1	15 9.98	+ 0 11.8	2.220	3.195	5.5	19.0
5 11	15 1.50	+ 0 13.9	2.223	3.198	5.7	19.0
5 21	14 53.27	+ 0 2.7	2.254	3.201	7.6	19.1
5 31	14 46.01	− 0 22.4	2.311	3.204	10.1	19.3
6 10	14 40.27	− 1 0.8	2.390	3.207	12.5	19.5

349060 2006 WQ_{156} 5 8.8 227°.62 2°.2/ 6.7 18

4 1	15 27.19	−10 37.1	3.081	3.887	9.8	22.5
4 11	15 22.55	−10 6.4	2.977	3.873	7.6	22.4
4 21	15 16.47	− 9 33.1	2.899	3.859	5.1	22.2
5 1	15 9.33	− 8 59.6	2.849	3.843	2.8	22.0
5 11	15 1.69	− 8 28.4	2.828	3.828	2.6	21.9
5 21	14 54.14	− 8 2.2	2.838	3.811	4.8	22.1
5 31	14 47.26	− 7 43.2	2.875	3.794	7.4	22.2
6 10	14 41.53	− 7 33.0	2.938	3.776	9.9	22.4

407687 2011 UD_{83} 5 8.8 102°.53 1°.9/ 9.9 18

4 1	15 32.46	−24 8.7	1.525	2.338	17.7	21.2
4 11	15 28.06	−23 54.1	1.454	2.349	14.0	21.0
4 21	15 20.75	−23 23.7	1.403	2.360	9.7	20.7
5 1	15 11.35	−22 37.9	1.375	2.370	4.9	20.5
5 11	15 1.12	−21 40.5	1.373	2.381	2.0	20.3
5 21	14 51.39	−20 37.3	1.397	2.391	5.9	20.6
5 31	14 43.37	−19 35.9	1.446	2.401	10.5	20.9
6 10	14 37.89	−18 43.1	1.518	2.411	14.5	21.1

375843 2009 UK_{148} 5 8.8 46°.36 1°.4/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 27.89	−16 37.5	1.651	2.483	15.7	21.3
4 11	15 24.20	−16 1.1	1.579	2.489	12.2	21.1
4 21	15 18.04	−15 15.5	1.529	2.496	8.0	20.9
5 1	15 10.12	−14 23.9	1.502	2.503	3.6	20.6
5 11	15 1.48	−13 31.3	1.502	2.510	2.0	20.5
5 21	14 53.23	−12 43.2	1.529	2.517	6.3	20.8
5 31	14 46.37	−12 4.6	1.580	2.525	10.5	21.1
6 10	14 41.64	−11 39.3	1.653	2.533	14.2	21.3

111500 2001 YM_{62} 5 8.8 82°.10 0°.0/ 8.5 18

4 1	15 31.28	−18 11.5	1.763	2.582	15.5	19.6
4 11	15 26.68	−18 7.3	1.692	2.593	12.0	19.4
4 21	15 19.62	−17 55.0	1.643	2.605	8.0	19.2
5 1	15 10.81	−17 35.7	1.618	2.617	3.6	19.0
5 11	15 1.29	−17 12.3	1.620	2.629	1.0	18.8
5 21	14 52.15	−16 48.4	1.649	2.641	5.5	19.1
5 31	14 44.43	−16 28.1	1.703	2.652	9.7	19.4
6 10	14 38.83	−16 15.0	1.781	2.664	13.2	19.7

334700 2003 ET_{31} 5 8.8 70°.13 6°.5/ 3.3 17

4 1	15 26.39	− 1 1.0	2.116	2.943	12.9	20.7
4 11	15 22.24	+ 0 21.1	2.066	2.964	10.3	20.6
4 21	15 16.31	+ 1 39.1	2.040	2.985	7.9	20.5
5 1	15 9.23	+ 2 47.1	2.040	3.007	6.6	20.4
5 11	15 1.77	+ 3 39.8	2.066	3.028	7.1	20.5
5 21	14 54.71	+ 4 13.7	2.119	3.049	9.0	20.7
5 31	14 48.72	+ 4 27.6	2.196	3.070	11.3	20.8
6 10	14 44.33	+ 4 22.1	2.294	3.091	13.6	21.0

139234 2001 HT_{19} 5 8.8 17°.63 1°.3/ 7.9 18

4 1	15 27.07	−18 22.6	1.412	2.252	17.5	19.3
4 11	15 24.03	−17 31.7	1.340	2.254	13.6	19.1
4 21	15 18.17	−16 27.1	1.287	2.256	9.0	18.8
5 1	15 10.25	−15 12.7	1.258	2.259	3.9	18.5
5 11	15 1.46	−13 55.3	1.254	2.262	2.1	18.4
5 21	14 53.09	−12 42.7	1.275	2.265	7.0	18.7
5 31	14 46.32	−11 42.3	1.320	2.269	11.8	19.0
6 10	14 41.97	−10 59.2	1.386	2.274	16.0	19.3

463129 2011 VF_{14} 5 8.8 304°.13 1°.0/ 8.4 17

4 1	15 31.72	−14 53.4	1.292	2.135	18.6	21.5
4 11	15 28.30	−15 2.9	1.206	2.121	14.7	21.2
4 21	15 21.50	−15 7.0	1.138	2.107	9.9	20.8
5 1	15 11.95	−15 7.0	1.093	2.094	4.4	20.5
5 11	15 0.91	−15 5.6	1.072	2.080	1.9	20.3
5 21	14 49.93	−15 6.0	1.075	2.067	7.6	20.6
5 31	14 40.61	−15 12.5	1.101	2.055	13.1	20.8
6 10	14 34.15	−15 28.6	1.147	2.043	17.9	21.1

373347 2012 JH_{65} 5 8.8 41°.72 1°.2/ 8.1 16

4 1	15 29.63	−16 5.2	1.362	2.203	17.9	20.5
4 11	15 25.93	−15 49.3	1.303	2.218	13.8	20.3
4 21	15 19.35	−15 25.0	1.265	2.233	9.1	20.1
5 1	15 10.73	−14 55.3	1.249	2.249	4.0	19.8
5 11	15 1.34	−14 24.7	1.257	2.266	1.9	19.7
5 21	14 52.51	−13 57.9	1.291	2.283	6.8	20.1
5 31	14 45.41	−13 39.8	1.349	2.300	11.4	20.4
6 10	14 40.81	−13 33.5	1.427	2.318	15.4	20.6

237973 2002 RN_{219} 5 8.8 246°.37 1°.5/ 7.7 17

4 1	15 28.00	−14 37.8	2.151	2.969	13.0	20.9
4 11	15 23.84	−14 12.1	2.059	2.962	10.1	20.7
4 21	15 17.64	−13 40.6	1.990	2.955	6.7	20.5
5 1	15 9.94	−13 5.6	1.948	2.947	3.1	20.2
5 11	15 1.55	−12 30.6	1.933	2.939	2.0	20.1
5 21	14 53.32	−11 59.0	1.946	2.931	5.5	20.3
5 31	14 46.11	−11 34.7	1.985	2.923	9.2	20.5
6 10	14 40.59	−11 20.3	2.049	2.915	12.4	20.7

20596 1999 RX_{188} 5 8.8 101°.03 5°.8/ 4.2 17

4 1	15 28.27	− 3 42.6	2.027	2.854	13.4	19.0
4 11	15 23.81	− 2 26.9	1.968	2.870	10.6	18.8
4 21	15 17.43	− 1 12.8	1.933	2.886	7.8	18.7
5 1	15 9.75	− 0 6.2	1.925	2.902	6.0	18.6
5 11	15 1.63	+ 0 47.2	1.943	2.917	6.4	18.7
5 21	14 53.90	+ 1 23.7	1.988	2.932	8.6	18.8
5 31	14 47.32	+ 1 41.0	2.058	2.947	11.3	19.0
6 10	14 42.44	+ 1 39.5	2.149	2.962	13.8	19.2

114757 2003 HG_{45} 5 8.8 239°.89 0°.6/ 8.3 18

4 1	15 28.27	−15 39.3	2.539	3.347	11.6	19.9
4 11	15 23.75	−15 37.0	2.444	3.341	9.0	19.7
4 21	15 17.44	−15 30.3	2.373	3.334	6.0	19.5
5 1	15 9.83	−15 20.4	2.328	3.327	2.6	19.2
5 11	15 1.59	−15 9.1	2.312	3.320	1.1	19.1
5 21	14 53.48	−14 58.7	2.325	3.313	4.5	19.3
5 31	14 46.23	−14 51.6	2.365	3.306	7.8	19.5
6 10	14 40.43	−14 50.0	2.431	3.299	10.7	19.7

8676 Lully 5 8.8 159°.44 0°.0/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 27.40	−19 22.7	2.627	3.427	11.4	18.7
4 11	15 22.94	−19 0.4	2.540	3.432	8.9	18.5
4 21	15 16.80	−18 30.7	2.477	3.436	5.9	18.3
5 1	15 9.50	−17 54.9	2.441	3.440	2.6	18.1
5 11	15 1.70	−17 15.5	2.434	3.443	0.8	17.9
5 21	14 54.12	−16 35.7	2.456	3.446	4.1	18.2
5 31	14 47.44	−15 58.9	2.506	3.449	7.3	18.4
6 10	14 42.17	−15 28.2	2.582	3.452	10.1	18.6

332882 2011 AK_{48} 5 8.8 88°.86 9°.5/ 2.7 17

4 1	15 29.66	+ 5 5.5	1.735	2.559	15.4	20.8
4 11	15 25.28	+ 6 19.3	1.678	2.565	12.9	20.6
4 21	15 18.61	+ 7 23.5	1.641	2.571	10.6	20.5
5 1	15 10.35	+ 8 10.5	1.628	2.577	9.5	20.4
5 11	15 1.47	+ 8 34.3	1.640	2.583	10.1	20.5
5 21	14 52.99	+ 8 32.0	1.676	2.589	12.0	20.6
5 31	14 45.84	+ 8 3.6	1.733	2.595	14.5	20.8
6 10	14 40.69	+ 7 12.1	1.810	2.601	16.9	21.0

417894 2007 RW_{40} 5 8.8 265°.11 0°.9/ 9.2 17

4 1	15 33.85	−20 25.7	1.715	2.526	16.1	22.4
4 11	15 29.38	−20 27.5	1.606	2.502	12.9	22.1
4 21	15 21.96	−20 19.0	1.517	2.477	8.9	21.8
5 1	15 12.12	−20 0.0	1.453	2.451	4.3	21.4
5 11	15 0.89	−19 31.8	1.415	2.424	1.3	21.2
5 21	14 49.55	−18 58.1	1.404	2.397	6.2	21.4
5 31	14 39.45	−18 24.1	1.419	2.369	11.1	21.6
6 10	14 31.71	−17 56.0	1.456	2.341	15.5	21.8

230121 2001 DR_{83} 5 8.8 129°.60 2°.7/ 6.8 17

4 1	15 28.46	−11 34.5	2.078	2.901	13.3	20.9
4 11	15 24.09	−10 55.2	2.002	2.908	10.2	20.7
4 21	15 17.72	−10 12.1	1.950	2.914	6.8	20.5
5 1	15 9.94	− 9 28.5	1.923	2.920	3.6	20.3
5 11	15 1.59	− 8 48.7	1.924	2.925	3.2	20.3
5 21	14 53.54	− 8 16.5	1.953	2.931	6.3	20.5
5 31	14 46.59	− 7 55.0	2.008	2.936	9.7	20.7
6 10	14 41.36	− 7 46.2	2.086	2.941	12.7	20.9

216360 2008 AV_{66} 5 8.8 344°.43 0°.7/ 8.3 17

4 1	15 26.11	−16 44.7	1.945	2.769	14.0	20.6
4 11	15 22.62	−16 31.2	1.858	2.764	10.9	20.3
4 21	15 16.95	−16 10.6	1.794	2.760	7.2	20.1
5 1	15 9.67	−15 44.7	1.755	2.755	3.2	19.8
5 11	15 1.66	−15 16.8	1.743	2.752	1.3	19.7
5 21	14 53.84	−14 50.1	1.758	2.748	5.4	20.0
5 31	14 47.14	−14 28.8	1.798	2.745	9.3	20.2
6 10	14 42.26	−14 15.9	1.862	2.743	12.8	20.4

259991 2004 FO_{71} 5 8.8 259°.22 2°.2/ 7.3 17

4 1	15 30.04	−14 1.0	1.860	2.684	14.6	21.1
4 11	15 25.87	−13 26.2	1.761	2.666	11.4	20.9
4 21	15 19.26	−12 44.2	1.683	2.649	7.6	20.6
5 1	15 10.77	−11 57.9	1.631	2.630	3.6	20.3
5 11	15 1.32	−11 11.7	1.607	2.612	2.8	20.2
5 21	14 51.95	−10 30.5	1.609	2.593	6.7	20.4
5 31	14 43.73	− 9 59.0	1.637	2.573	10.9	20.6
6 10	14 37.49	− 9 40.8	1.688	2.554	14.7	20.8

414058 2007 RY_{285} 5 8.8 199°.10 0°.2/ 8.9 16

4 1	15 32.62	−20 3.2	1.954	2.759	14.6	22.5
4 11	15 27.68	−19 42.8	1.863	2.756	11.5	22.3
4 21	15 20.33	−19 12.0	1.793	2.752	7.7	22.0
5 1	15 11.19	−18 31.9	1.749	2.748	3.5	21.7
5 11	15 1.22	−17 45.5	1.733	2.743	1.0	21.5
5 21	14 51.48	−16 57.3	1.745	2.737	5.4	21.8
5 31	14 42.99	−16 12.4	1.784	2.730	9.5	22.1
6 10	14 36.53	−15 35.5	1.847	2.723	13.2	22.3

177347 2003 YP_{133} 5 8.8 235°.85 2°.6/10.3 18

4 1	15 34.09	−24 50.2	1.986	2.775	15.0	21.1
4 11	15 29.10	−25 4.4	1.882	2.761	12.1	20.9
4 21	15 21.49	−25 7.2	1.799	2.747	8.6	20.7
5 1	15 11.81	−24 57.1	1.742	2.732	4.9	20.4
5 11	15 1.03	−24 34.7	1.711	2.716	2.7	20.2
5 21	14 50.31	−24 2.5	1.709	2.700	5.5	20.4
5 31	14 40.80	−23 25.2	1.733	2.683	9.4	20.6
6 10	14 33.41	−22 48.8	1.782	2.665	13.2	20.8

463939 2014 UD_{197} 5 8.8 133°.41 2°.8/ 6.9 17

4 1	15 30.14	−13 21.8	1.671	2.501	15.6	21.6
4 11	15 25.89	−12 31.3	1.597	2.507	12.1	21.3
4 21	15 19.15	−11 33.8	1.546	2.512	8.0	21.1
5 1	15 10.65	−10 33.6	1.519	2.517	4.0	20.9
5 11	15 1.41	− 9 36.5	1.519	2.522	3.5	20.9
5 21	14 52.55	− 8 48.1	1.545	2.527	7.2	21.1
5 31	14 45.10	− 8 13.1	1.597	2.531	11.3	21.3
6 10	14 39.79	− 7 54.3	1.670	2.535	14.9	21.6

329960 2005 QN_{143} 5 8.8 236°.97 0°.6/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.16	−17 25.6	1.844	2.663	14.9	22.0
4 11	15 25.92	−17 5.8	1.754	2.656	11.6	21.8
4 21	15 19.24	−16 37.4	1.686	2.649	7.7	21.5
5 1	15 10.74	−16 2.1	1.643	2.642	3.4	21.2
5 11	15 1.37	−15 23.5	1.626	2.635	1.4	21.0
5 21	14 52.19	−14 45.7	1.637	2.628	5.8	21.3
5 31	14 44.26	−14 13.5	1.674	2.620	10.0	21.6
6 10	14 38.35	−13 51.0	1.734	2.612	13.8	21.8

67031 1999 XX_{166} 5 8.8 221°.16 0°.2/ 8.9 18

4 1	15 32.08	−17 37.9	2.199	3.003	13.3	19.2
4 11	15 27.05	−17 49.1	2.104	2.997	10.4	19.0
4 21	15 19.83	−17 54.8	2.032	2.991	7.0	18.7
5 1	15 10.97	−17 55.2	1.986	2.985	3.2	18.5
5 11	15 1.31	−17 51.9	1.969	2.978	0.9	18.3
5 21	14 51.76	−17 46.7	1.980	2.971	4.9	18.6
5 31	14 43.27	−17 42.6	2.019	2.964	8.6	18.8
6 10	14 36.55	−17 42.4	2.082	2.956	11.9	19.0

4041 Miyamotoyohko 5 8.8 325°.44 5°.0/ 5.5 18

4 1	15 27.60	− 4 9.5	2.067	2.894	13.2	15.9
4 11	15 23.50	− 3 35.2	1.988	2.891	10.4	15.7
4 21	15 17.39	− 3 2.8	1.931	2.887	7.5	15.5
5 1	15 9.84	− 2 36.7	1.900	2.884	5.3	15.3
5 11	15 1.65	− 2 20.8	1.896	2.881	5.5	15.3
5 21	14 53.68	− 2 18.2	1.918	2.878	7.8	15.5
5 31	14 46.75	− 2 30.4	1.966	2.875	10.8	15.6
6 10	14 41.50	− 2 57.4	2.035	2.872	13.6	15.8

227402 2005 UF_{411} 5 8.8 254°.47 2°.0/ 7.6 18

4 1	15 29.81	−13 27.1	1.796	2.623	14.9	20.4
4 11	15 25.62	−13 5.7	1.712	2.619	11.5	20.2
4 21	15 19.03	−12 39.0	1.650	2.616	7.7	19.9
5 1	15 10.64	−12 9.8	1.613	2.612	3.6	19.7
5 11	15 1.43	−11 41.8	1.602	2.608	2.6	19.6
5 21	14 52.45	−11 19.1	1.618	2.604	6.4	19.8
5 31	14 44.71	−11 5.3	1.660	2.600	10.5	20.0
6 10	14 39.00	−11 3.0	1.724	2.596	14.1	20.3

12626 Timmerman 5 8.8 206°.95 0°.4/ 9.1 18

4 1	15 29.60	−20 23.3	2.158	2.962	13.5	19.3
4 11	15 25.13	−20 7.3	2.066	2.959	10.6	19.1
4 21	15 18.54	−19 41.8	1.996	2.955	7.1	18.9
5 1	15 10.38	−19 7.9	1.953	2.951	3.3	18.6
5 11	15 1.51	−18 28.3	1.937	2.946	0.9	18.4
5 21	14 52.85	−17 46.5	1.950	2.942	4.8	18.7
5 31	14 45.26	−17 7.0	1.989	2.936	8.6	18.9
6 10	14 39.46	−16 34.0	2.053	2.931	11.9	19.1

506193 2016 GF_{126} 5 8.8 305°.54 2°.5/ 9.9 17

4 1	15 31.39	−22 12.7	1.535	2.354	17.3	20.8
4 11	15 27.67	−22 41.5	1.444	2.342	13.9	20.5
4 21	15 20.89	−23 0.1	1.373	2.330	9.7	20.3
5 1	15 11.66	−23 7.0	1.324	2.319	5.2	20.0
5 11	15 1.12	−23 2.5	1.301	2.308	2.5	19.8
5 21	14 50.65	−22 49.0	1.303	2.297	6.3	20.0
5 31	14 41.67	−22 31.3	1.330	2.287	11.0	20.2
6 10	14 35.25	−22 15.3	1.378	2.277	15.3	20.4

41527 2000 QX_{221} 5 8.8 172°.42 2°.9/ 7.1 18

4 1	15 34.08	−10 48.0	1.889	2.707	14.6	19.7
4 11	15 28.70	−10 21.7	1.809	2.711	11.3	19.5
4 21	15 20.94	− 9 52.3	1.752	2.714	7.6	19.2
5 1	15 11.46	− 9 23.0	1.720	2.716	4.0	19.0
5 11	15 1.22	− 8 57.8	1.716	2.718	3.4	19.0
5 21	14 51.29	− 8 40.2	1.740	2.719	6.8	19.2
5 31	14 42.64	− 8 33.2	1.791	2.719	10.6	19.4
6 10	14 36.02	− 8 38.6	1.864	2.718	14.0	19.6

106644 2000 WT_{134} 5 8.8 176°.93 2°.2/10.5 18

4 1	15 29.73	−25 16.0	2.793	3.568	11.5	20.6
4 11	15 24.81	−25 31.4	2.698	3.569	9.2	20.4
4 21	15 18.12	−25 38.2	2.628	3.570	6.5	20.3
5 1	15 10.16	−25 35.8	2.584	3.571	3.8	20.1
5 11	15 1.60	−25 24.9	2.568	3.571	2.2	20.0
5 21	14 53.19	−25 7.2	2.582	3.571	4.0	20.1
5 31	14 45.65	−24 45.6	2.624	3.571	6.8	20.3
6 10	14 39.55	−24 23.4	2.692	3.571	9.4	20.4

20445 1999 JN_{77} 5 8.8 267°.68 5°.0/ 5.7 18

4 1	15 31.19	− 7 59.1	1.706	2.537	15.3	18.3
4 11	15 27.03	− 7 7.1	1.606	2.514	12.1	18.1
4 21	15 20.21	− 6 11.2	1.528	2.490	8.5	17.8
5 1	15 11.30	− 5 16.5	1.474	2.465	5.5	17.5
5 11	15 1.25	− 4 29.3	1.447	2.440	5.6	17.5
5 21	14 51.20	− 3 55.4	1.445	2.414	9.0	17.6
5 31	14 42.33	− 3 39.2	1.468	2.388	13.1	17.8
6 10	14 35.59	− 3 42.8	1.512	2.361	17.0	18.0

503894 2001 UO_{131} 5 8.8 167°.11 0°.1/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 27.84	−18 24.9	3.115	3.907	10.0	22.8
4 11	15 23.01	−18 8.2	3.025	3.913	7.7	22.6
4 21	15 16.75	−17 45.8	2.960	3.917	5.1	22.4
5 1	15 9.49	−17 18.8	2.923	3.922	2.3	22.3
5 11	15 1.82	−16 49.2	2.916	3.925	0.7	22.1
5 21	14 54.32	−16 19.3	2.939	3.928	3.6	22.4
5 31	14 47.57	−15 51.8	2.991	3.931	6.4	22.5
6 10	14 42.03	−15 28.9	3.069	3.933	8.8	22.7

301073 2008 UU_{200} 5 8.8 159°.92 0°.1/ 8.7 16

4 1	15 33.28	−18 55.4	1.542	2.364	17.1	21.2
4 11	15 28.73	−18 38.1	1.464	2.368	13.4	21.0
4 21	15 21.29	−18 9.8	1.407	2.371	9.0	20.7
5 1	15 11.70	−17 32.1	1.374	2.374	4.0	20.4
5 11	15 1.18	−16 48.7	1.367	2.376	1.2	20.2
5 21	14 51.02	−16 5.1	1.386	2.378	6.3	20.6
5 31	14 42.47	−15 26.9	1.431	2.380	11.1	20.8
6 10	14 36.40	−14 59.3	1.497	2.381	15.2	21.1

477627 2010 LY_{69} 5 8.8 248°.98 1°.7/ 7.2 18

4 1	15 26.04	−13 21.7	2.715	3.528	10.8	21.8
4 11	15 21.93	−12 49.3	2.614	3.514	8.3	21.6
4 21	15 16.21	−12 12.4	2.537	3.500	5.5	21.4
5 1	15 9.31	−11 33.2	2.488	3.486	2.7	21.2
5 11	15 1.86	−10 54.8	2.467	3.471	2.1	21.1
5 21	14 54.51	−10 20.3	2.475	3.456	4.9	21.3
5 31	14 47.91	− 9 52.6	2.511	3.441	7.9	21.4
6 10	14 42.62	− 9 34.0	2.571	3.425	10.6	21.6

138721 2000 SY_{156} 5 8.8 204°.07 5°.2/14.2 18

4 1	15 31.11	−39 14.0	3.254	3.953	11.4	20.4
4 11	15 25.89	−39 30.4	3.147	3.948	9.8	20.3
4 21	15 18.85	−39 32.9	3.062	3.941	8.0	20.2
5 1	15 10.49	−39 19.6	3.001	3.934	6.3	20.0
5 11	15 1.53	−38 50.0	2.968	3.927	5.3	20.0
5 21	14 52.72	−38 5.8	2.962	3.919	5.6	20.0
5 31	14 44.82	−37 10.1	2.985	3.911	6.9	20.1
6 10	14 38.41	−36 7.7	3.034	3.902	8.8	20.2

72874 2001 JF_{6} 5 8.8 199°.89 0°.1/ 8.7 18

4 1	15 31.32	−17 10.3	2.500	3.299	12.0	19.7
4 11	15 26.15	−17 12.6	2.404	3.295	9.3	19.5
4 21	15 19.09	−17 9.7	2.333	3.291	6.2	19.3
5 1	15 10.62	−17 2.3	2.288	3.287	2.8	19.1
5 11	15 1.50	−16 52.0	2.273	3.282	0.8	18.9
5 21	14 52.51	−16 41.0	2.287	3.277	4.4	19.2
5 31	14 44.44	−16 31.7	2.329	3.271	7.8	19.4
6 10	14 37.93	−16 26.9	2.397	3.265	10.8	19.5

166963 2003 NN_{2} 5 8.8 333°.88 0°.5/ 8.9 17

4 1	15 25.16	−18 1.4	1.072	1.934	20.3	19.7
4 11	15 23.82	−18 17.3	0.990	1.915	16.1	19.4
4 21	15 18.89	−18 23.3	0.926	1.898	11.0	19.0
5 1	15 10.95	−18 20.1	0.881	1.882	5.1	18.6
5 11	15 1.35	−18 9.9	0.858	1.868	1.4	18.3
5 21	14 51.78	−17 57.0	0.857	1.855	7.8	18.7
5 31	14 44.04	−17 47.6	0.876	1.843	13.8	18.9
6 10	14 39.46	−17 47.4	0.914	1.833	19.2	19.2

485098 2010 GF_{42} 5 8.8 246°.77 6°.5/27.6 18

4 1	15 21.03	+19 40.5	4.651	5.394	7.7	20.7
4 11	15 17.37	+20 21.9	4.592	5.389	7.0	20.7
4 21	15 12.83	+20 54.3	4.556	5.385	6.6	20.6
5 1	15 7.71	+21 15.1	4.544	5.381	6.5	20.6
5 11	15 2.36	+21 22.4	4.557	5.376	6.8	20.7
5 21	14 57.12	+21 15.4	4.593	5.372	7.5	20.7
5 31	14 52.33	+20 54.2	4.651	5.368	8.2	20.8
6 10	14 48.30	+20 19.7	4.729	5.363	9.0	20.8

474451 2003 SR_{15} 5 8.8 132°.03 17°.5/ 1.4 17

4 1	15 56.28	− 1 36.1	0.615	1.480	30.4	22.7
4 11	15 48.16	+ 2 43.8	0.591	1.509	24.6	22.5
4 21	15 34.60	+ 6 55.6	0.583	1.534	19.7	22.3
5 1	15 17.46	+10 26.5	0.593	1.557	17.5	22.3
5 11	14 59.70	+12 50.2	0.623	1.577	19.2	22.5
5 21	14 44.13	+13 58.2	0.670	1.594	23.0	22.8
5 31	14 32.70	+13 57.7	0.731	1.608	27.1	23.2
6 10	14 26.15	+13 5.0	0.803	1.619	30.7	23.5

341298 2007 RP_{317} 5 8.8 123°.35 1°.0/ 8.0 17

4 1	15 27.89	−16 16.8	2.075	2.893	13.4	21.3
4 11	15 23.79	−15 51.3	1.992	2.895	10.4	21.1
4 21	15 17.62	−15 18.9	1.932	2.896	6.9	20.9
5 1	15 9.98	−14 41.8	1.898	2.898	3.1	20.6
5 11	15 1.70	−14 3.4	1.892	2.899	1.6	20.5
5 21	14 53.67	−13 27.6	1.913	2.901	5.3	20.8
5 31	14 46.74	−12 58.2	1.961	2.902	9.0	21.0
6 10	14 41.55	−12 38.2	2.032	2.904	12.3	21.2

205799 2002 CW_{156} 5 8.8 219°.30 2°.8/ 7.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 32.59	−12 26.1	1.809	2.631	15.0	21.2
4 11	15 27.82	−11 49.9	1.718	2.623	11.7	21.0
4 21	15 20.54	−11 7.8	1.650	2.614	7.8	20.7
5 1	15 11.38	−10 23.4	1.607	2.604	4.0	20.5
5 11	15 1.29	− 9 41.3	1.591	2.594	3.3	20.4
5 21	14 51.39	− 9 6.3	1.603	2.583	7.1	20.6
5 31	14 42.74	− 8 42.7	1.640	2.572	11.2	20.8
6 10	14 36.19	− 8 33.2	1.700	2.560	14.9	21.0

75504 1999 XK_{189} 5 8.8 89°.25 4°.2/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.98	−28 13.5	1.627	2.422	17.5	19.2
4 11	15 28.55	−28 32.2	1.553	2.432	14.2	19.0
4 21	15 21.19	−28 34.5	1.497	2.441	10.4	18.8
5 1	15 11.68	−28 18.4	1.465	2.450	6.5	18.6
5 11	15 1.22	−27 45.0	1.458	2.459	4.2	18.4
5 21	14 51.19	−26 58.4	1.478	2.468	6.3	18.6
5 31	14 42.82	−26 5.1	1.522	2.477	10.1	18.8
6 10	14 36.98	−25 12.8	1.589	2.486	13.8	19.1

216386 2008 CY_{35} 5 8.8 82°.91 5°.9/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.59	− 2 24.1	2.280	3.105	12.1	20.7
4 11	15 21.59	− 0 59.8	2.221	3.120	9.6	20.5
4 21	15 15.93	+ 0 22.3	2.187	3.135	7.3	20.4
5 1	15 9.15	+ 1 36.6	2.179	3.150	5.9	20.4
5 11	15 1.97	+ 2 37.8	2.199	3.165	6.5	20.4
5 21	14 55.11	+ 3 22.0	2.246	3.179	8.4	20.5
5 31	14 49.22	+ 3 47.3	2.318	3.194	10.8	20.7
6 10	14 44.81	+ 3 53.9	2.411	3.208	13.0	20.9

116161 2003 WS_{176} 5 8.8 19°.28 1°.8/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.97	−14 25.1	1.250	2.100	18.6	19.9
4 11	15 25.85	−14 14.4	1.185	2.105	14.5	19.6
4 21	15 19.59	−13 56.9	1.139	2.110	9.6	19.3
5 1	15 11.01	−13 35.8	1.115	2.116	4.4	19.0
5 11	15 1.42	−13 15.2	1.114	2.122	2.5	18.9
5 21	14 52.28	−13 0.1	1.138	2.130	7.5	19.3
5 31	14 44.92	−12 54.7	1.185	2.138	12.5	19.6
6 10	14 40.26	−13 2.0	1.251	2.146	16.8	19.8

306380 1993 PH 5 8.8 108°.76 9°.3/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 37.23	−43 27.9	1.927	2.633	18.1	19.9
4 11	15 31.98	−44 11.6	1.852	2.647	15.8	19.7
4 21	15 23.53	−44 31.9	1.793	2.661	13.4	19.6
5 1	15 12.72	−44 23.4	1.756	2.674	11.0	19.4
5 11	15 0.94	−43 44.5	1.742	2.687	9.5	19.4
5 21	14 49.68	−42 37.7	1.753	2.699	9.5	19.4
5 31	14 40.33	−41 10.2	1.788	2.711	10.9	19.5
6 10	14 33.78	−39 32.2	1.847	2.723	13.1	19.7

88187 2000 XZ_{42} 5 8.8 219°.15 3°.7/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.34	−29 18.9	2.588	3.344	12.8	21.0
4 11	15 28.75	−29 46.3	2.480	3.333	10.5	20.9
4 21	15 20.99	−30 2.7	2.394	3.322	7.9	20.7
5 1	15 11.56	−30 6.3	2.334	3.309	5.2	20.5
5 11	15 1.25	−29 56.6	2.303	3.296	3.8	20.4
5 21	14 50.99	−29 34.9	2.300	3.283	5.1	20.4
5 31	14 41.69	−29 4.6	2.326	3.268	7.8	20.6
6 10	14 34.12	−28 30.5	2.378	3.253	10.6	20.7

123617 2000 YQ_{24} 5 8.8 42°.56 4°.4/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.47	−30 9.5	1.761	2.549	16.7	19.5
4 11	15 25.66	−30 17.5	1.682	2.555	13.6	19.3
4 21	15 19.19	−30 7.9	1.623	2.562	10.1	19.0
5 1	15 10.76	−29 39.1	1.588	2.568	6.6	18.8
5 11	15 1.50	−28 52.8	1.577	2.575	4.4	18.7
5 21	14 52.62	−27 53.1	1.593	2.582	6.0	18.8
5 31	14 45.22	−26 46.9	1.634	2.589	9.5	19.1
6 10	14 40.12	−25 41.7	1.699	2.597	12.9	19.3

88257 2001 GU_2 5 8.8 123°.36 17°.6/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.75	+14 24.9	1.206	2.029	20.9	19.5
4 11	15 28.56	+17 35.0	1.176	2.040	18.9	19.4
4 21	15 21.19	+20 21.5	1.165	2.050	17.7	19.3
5 1	15 11.62	+22 28.0	1.175	2.060	17.8	19.3
5 11	15 1.29	+23 44.0	1.203	2.069	18.9	19.4
5 21	14 51.68	+24 6.5	1.248	2.078	20.7	19.6
5 31	14 44.03	+23 39.5	1.309	2.086	22.7	19.8
6 10	14 39.14	+22 31.6	1.382	2.094	24.6	19.9

5138 Gyoda 5 8.8 116°.45 0°.2/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.99	−18 20.2	2.552	3.355	11.7	18.0
4 11	15 23.40	−18 0.8	2.475	3.368	9.0	17.8
4 21	15 17.13	−17 34.7	2.421	3.381	6.0	17.6
5 1	15 9.71	−17 3.5	2.395	3.394	2.6	17.4
5 11	15 1.83	−16 29.6	2.397	3.406	0.8	17.3
5 21	14 54.22	−15 56.1	2.428	3.418	4.2	17.6
5 31	14 47.55	−15 26.1	2.487	3.430	7.3	17.8
6 10	14 42.34	−15 2.4	2.571	3.441	10.1	18.0

431109 2006 GC_{25} 5 8.8 90°.32 1°.6/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 32.43	−21 31.4	1.957	2.759	14.7	21.3
4 11	15 27.51	−21 50.6	1.880	2.770	11.6	21.1
4 21	15 20.21	−22 0.9	1.825	2.780	8.0	20.9
5 1	15 11.19	−22 2.0	1.795	2.790	4.1	20.7
5 11	15 1.42	−21 55.0	1.792	2.800	1.7	20.5
5 21	14 51.96	−21 42.2	1.817	2.810	5.0	20.8
5 31	14 43.78	−21 27.5	1.869	2.820	8.8	21.0
6 10	14 37.65	−21 14.9	1.945	2.829	12.2	21.2

508106 2015 DR_{167} 5 8.8 329°.59 1°.8/ 7.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.04	−14 22.0	1.823	2.651	14.6	21.4
4 11	15 24.23	−13 54.7	1.740	2.648	11.3	21.2
4 21	15 18.10	−13 21.1	1.680	2.646	7.5	21.0
5 1	15 10.28	−12 44.1	1.644	2.644	3.5	20.7
5 11	15 1.68	−12 7.6	1.635	2.642	2.4	20.6
5 21	14 53.33	−11 36.1	1.653	2.640	6.2	20.9
5 31	14 46.20	−11 13.5	1.697	2.638	10.2	21.1
6 10	14 41.01	−11 2.6	1.763	2.636	13.8	21.3

79076 3782 $T\text{-}_3$ 5 8.8 118°.94 0°.1/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.31	−19 8.2	1.810	2.620	15.4	21.0
4 11	15 28.17	−18 45.2	1.739	2.636	12.0	20.8
4 21	15 20.59	−18 12.3	1.691	2.652	8.0	20.6
5 1	15 11.32	−17 31.4	1.668	2.667	3.5	20.4
5 11	15 1.41	−16 46.2	1.672	2.682	1.1	20.2
5 21	14 51.95	−16 1.3	1.705	2.695	5.5	20.6
5 31	14 43.94	−15 21.7	1.763	2.709	9.6	20.8
6 10	14 38.06	−14 51.6	1.845	2.722	13.1	21.1

438229 2005 UK_{480} 5 8.8 279°.18 4°.3/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.75	−34 5.9	2.439	3.189	13.6	20.7
4 11	15 24.61	−33 49.9	2.321	3.167	11.4	20.5
4 21	15 18.30	−33 16.2	2.225	3.145	8.8	20.3
5 1	15 10.37	−32 23.3	2.153	3.122	6.1	20.1
5 11	15 1.65	−31 12.0	2.108	3.099	4.4	20.0
5 21	14 53.06	−29 45.9	2.092	3.076	5.3	20.0
5 31	14 45.53	−28 10.8	2.103	3.053	8.0	20.1
6 10	14 39.78	−26 34.0	2.141	3.030	11.1	20.2

173005 2006 OQ_{20} 5 8.8 215°.08 2°.8/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.09	− 8 37.8	2.582	3.394	11.3	20.5
4 11	15 24.31	− 8 17.9	2.490	3.388	8.8	20.3
4 21	15 17.81	− 7 57.3	2.422	3.381	6.0	20.1
5 1	15 10.07	− 7 38.3	2.381	3.374	3.4	20.0
5 11	15 1.75	− 7 23.8	2.370	3.367	3.2	19.9
5 21	14 53.57	− 7 16.1	2.387	3.359	5.7	20.1
5 31	14 46.23	− 7 17.1	2.431	3.351	8.6	20.2
6 10	14 40.30	− 7 27.9	2.500	3.343	11.2	20.4

221606 2006 WA_{160} 5 8.8 96°.67 0°.7/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.40	−20 20.0	1.755	2.569	15.7	21.0
4 11	15 26.92	−20 14.5	1.680	2.578	12.3	20.8
4 21	15 19.90	−19 58.9	1.626	2.586	8.3	20.6
5 1	15 11.07	−19 34.0	1.597	2.595	3.9	20.3
5 11	15 1.48	−19 2.5	1.595	2.604	1.1	20.2
5 21	14 52.25	−18 28.4	1.619	2.612	5.4	20.5
5 31	14 44.44	−17 56.7	1.670	2.621	9.6	20.7
6 10	14 38.80	−17 31.8	1.743	2.629	13.3	21.0

99952 1975 SY_1 5 8.8 187°.75 2°.4/10.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.55	−23 37.0	2.009	2.796	14.9	20.9
4 11	15 30.85	−23 59.0	1.917	2.796	11.9	20.7
4 21	15 22.57	−24 10.9	1.847	2.795	8.4	20.4
5 1	15 12.32	−24 11.5	1.802	2.793	4.6	20.2
5 11	15 1.11	−24 1.1	1.785	2.790	2.4	20.1
5 21	14 50.07	−23 42.0	1.796	2.787	5.3	20.2
5 31	14 40.33	−23 18.4	1.835	2.783	9.1	20.5
6 10	14 32.74	−22 55.3	1.899	2.778	12.7	20.7

41843 2000 WX_{70} 5 8.8 179°.78 3°.3/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.85	−26 48.0	1.874	2.660	15.9	19.7
4 11	15 29.72	−27 1.3	1.786	2.661	12.9	19.4
4 21	15 21.88	−27 0.9	1.718	2.662	9.3	19.2
5 1	15 12.02	−26 45.0	1.676	2.662	5.5	19.0
5 11	15 1.20	−26 14.7	1.660	2.662	3.3	18.9
5 21	14 50.64	−25 33.0	1.671	2.661	5.7	19.0
5 31	14 41.51	−24 45.8	1.709	2.660	9.5	19.2
6 10	14 34.67	−23 59.4	1.771	2.658	13.1	19.4

268424 2005 UF_{484} 5 8.8 175°.11 2°.2/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.43	−12 52.4	2.208	3.023	12.9	22.0
4 11	15 25.58	−12 16.6	2.125	3.025	10.0	21.8
4 21	15 18.74	−11 36.1	2.065	3.027	6.6	21.6
5 1	15 10.50	−10 53.8	2.031	3.029	3.3	21.4
5 11	15 1.65	−10 13.3	2.026	3.030	2.7	21.3
5 21	14 53.05	− 9 38.6	2.050	3.030	5.8	21.5
5 31	14 45.50	− 9 12.9	2.100	3.030	9.2	21.7
6 10	14 39.64	− 8 58.6	2.175	3.029	12.3	21.9

262682 2006 WE_{160} 5 8.8 181°.53 5°.3/ 4.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 26.64	− 1 3.3	2.514	3.332	11.4	20.6
4 11	15 22.38	− 0 22.4	2.438	3.332	9.1	20.5
4 21	15 16.49	+ 0 15.1	2.386	3.332	6.9	20.3
5 1	15 9.47	+ 0 45.2	2.360	3.332	5.4	20.2
5 11	15 1.97	+ 1 4.2	2.361	3.332	5.7	20.2
5 21	14 54.67	+ 1 9.9	2.390	3.332	7.5	20.3
5 31	14 48.22	+ 1 1.0	2.444	3.331	9.9	20.5
6 10	14 43.15	+ 0 37.7	2.521	3.331	12.1	20.6

93991 2000 XM_{17} 5 8.8 42°.85 5°.8/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.98	−34 50.7	2.234	2.985	14.7	19.0
4 11	15 25.69	−35 26.1	2.152	2.993	12.4	18.9
4 21	15 19.06	−35 45.7	2.091	3.001	9.8	18.7
5 1	15 10.71	−35 47.1	2.053	3.009	7.3	18.6
5 11	15 1.60	−35 29.8	2.040	3.018	5.9	18.5
5 21	14 52.75	−34 55.9	2.054	3.026	6.5	18.6
5 31	14 45.14	−34 10.0	2.094	3.035	8.6	18.7
6 10	14 39.52	−33 18.2	2.158	3.044	11.1	18.9

501200 2013 TK_{128} 5 8.8 300°.64 3°.2/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.07	−14 56.9	1.503	2.346	16.4	21.3
4 11	15 23.39	−13 45.7	1.408	2.325	12.8	21.0
4 21	15 17.96	−12 20.8	1.333	2.303	8.6	20.7
5 1	15 10.38	−10 47.3	1.282	2.281	4.4	20.4
5 11	15 1.68	− 9 13.0	1.257	2.260	4.0	20.3
5 21	14 53.08	− 7 46.8	1.257	2.239	8.4	20.5
5 31	14 45.82	− 6 37.0	1.281	2.218	13.2	20.7
6 10	14 40.84	− 5 49.1	1.325	2.198	17.5	20.9

402855 2007 RY_{46} 5 8.8 168°.55 5°.1/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 35.41	−29 57.5	1.697	2.479	17.5	21.0
4 11	15 30.57	−30 29.3	1.613	2.481	14.4	20.8
4 21	15 22.68	−30 44.8	1.549	2.483	10.8	20.6
5 1	15 12.45	−30 41.0	1.507	2.485	7.2	20.4
5 11	15 1.11	−30 17.3	1.491	2.487	5.1	20.3
5 21	14 50.05	−29 36.6	1.502	2.488	6.8	20.4
5 31	14 40.63	−28 45.3	1.537	2.488	10.3	20.6
6 10	14 33.81	−27 51.5	1.596	2.488	13.9	20.8

382427 1999 CF_{3} 5 8.8 78°.48 8°.3/ 3.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.86	+ 5 20.9	2.055	2.870	13.7	21.7
4 11	15 24.28	+ 6 22.8	2.003	2.885	11.4	21.6
4 21	15 17.79	+ 7 15.4	1.973	2.899	9.3	21.5
5 1	15 10.03	+ 7 52.8	1.968	2.914	8.3	21.5
5 11	15 1.83	+ 8 10.7	1.989	2.929	8.7	21.5
5 21	14 54.02	+ 8 6.8	2.034	2.944	10.4	21.6
5 31	14 47.35	+ 7 41.5	2.103	2.958	12.5	21.8
6 10	14 42.38	+ 6 56.8	2.192	2.973	14.6	22.0

18681 Caseylipp 5 8.8 191°.41 0°.3/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.12	−19 51.2	1.776	2.591	15.5	19.0
4 11	15 26.73	−19 13.1	1.691	2.590	12.1	18.7
4 21	15 19.83	−18 22.6	1.627	2.589	8.1	18.5
5 1	15 11.08	−17 22.0	1.588	2.587	3.6	18.2
5 11	15 1.52	−16 15.8	1.576	2.585	1.2	18.0
5 21	14 52.25	−15 9.8	1.592	2.583	5.8	18.3
5 31	14 44.35	−14 10.3	1.634	2.580	10.2	18.6
6 10	14 38.59	−13 22.6	1.698	2.576	14.0	18.8

315276 Yurigradovsky 5 8.8 214°.82 0°.8/ 8.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.23	−18 18.6	1.918	2.729	14.7	21.3
4 11	15 27.48	−17 40.4	1.823	2.721	11.5	21.1
4 21	15 20.30	−16 51.4	1.750	2.712	7.7	20.8
5 1	15 11.30	−15 53.9	1.704	2.703	3.4	20.5
5 11	15 1.45	−14 51.9	1.685	2.693	1.5	20.4
5 21	14 51.79	−13 51.0	1.694	2.682	5.9	20.7
5 31	14 43.36	−12 56.8	1.730	2.671	10.1	20.9
6 10	14 36.96	−12 14.1	1.789	2.658	13.8	21.1

209883 2005 JZ_{170} 5 8.8 207°.61 0°.8/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.00	−16 38.3	2.240	3.053	12.8	21.4
4 11	15 23.78	−16 14.3	2.152	3.051	9.9	21.2
4 21	15 17.61	−15 43.5	2.086	3.049	6.5	21.0
5 1	15 10.03	−15 7.8	2.047	3.047	2.9	20.8
5 11	15 1.82	−14 30.3	2.036	3.044	1.4	20.7
5 21	14 53.81	−13 54.7	2.053	3.041	5.0	20.9
5 31	14 46.80	−13 24.4	2.097	3.038	8.6	21.1
6 10	14 41.43	−13 2.8	2.165	3.035	11.7	21.3

259158 2002 XY_{115} 5 8.8 16°.95 0°.8/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.64	−17 55.5	1.483	2.319	17.0	20.3
4 11	15 24.43	−17 27.9	1.410	2.322	13.2	20.0
4 21	15 18.47	−16 49.4	1.357	2.325	8.8	19.8
5 1	15 10.51	−16 2.8	1.327	2.328	3.9	19.5
5 11	15 1.69	−15 12.8	1.323	2.332	1.6	19.4
5 21	14 53.23	−14 25.4	1.344	2.336	6.5	19.7
5 31	14 46.30	−13 46.3	1.389	2.341	11.1	20.0
6 10	14 41.71	−13 20.1	1.456	2.346	15.2	20.2

178326 1995 SA_{17} 5 8.8 199°.82 0°.0/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 27.75	−18 53.5	2.829	3.626	10.8	21.8
4 11	15 23.20	−18 36.9	2.733	3.622	8.4	21.7
4 21	15 17.05	−18 13.8	2.661	3.618	5.6	21.5
5 1	15 9.74	−17 45.3	2.616	3.614	2.5	21.3
5 11	15 1.92	−17 13.4	2.600	3.609	0.7	21.1
5 21	14 54.25	−16 40.7	2.614	3.604	3.9	21.3
5 31	14 47.37	−16 10.4	2.656	3.598	6.9	21.5
6 10	14 41.81	−15 45.1	2.724	3.592	9.7	21.7

22120 Gaylefarrar 5 8.8 204°.47 0°.9/ 8.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.29	−17 46.3	1.892	2.704	14.8	20.0
4 11	15 27.52	−17 12.1	1.801	2.700	11.5	19.7
4 21	15 20.32	−16 28.0	1.732	2.695	7.7	19.5
5 1	15 11.32	−15 36.2	1.689	2.689	3.4	19.2
5 11	15 1.47	−14 40.8	1.674	2.682	1.5	19.1
5 21	14 51.86	−13 46.9	1.687	2.675	5.9	19.3
5 31	14 43.50	−12 59.8	1.726	2.667	10.1	19.6
6 10	14 37.18	−12 24.0	1.788	2.658	13.8	19.8

416776 2005 EM_{298} 5 8.8 237°.85 0°.0/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 19.84	−18 28.2	4.715	5.509	6.8	21.6
4 11	15 16.53	−18 17.2	4.618	5.506	5.3	21.5
4 21	15 12.35	−18 2.6	4.546	5.504	3.5	21.3
5 1	15 7.58	−17 45.2	4.503	5.502	1.6	21.2
5 11	15 2.55	−17 26.1	4.490	5.499	0.4	21.1
5 21	14 57.59	−17 6.7	4.506	5.497	2.4	21.2
5 31	14 53.05	−16 48.6	4.552	5.494	4.3	21.4
6 10	14 49.22	−16 33.0	4.625	5.492	6.0	21.5

379156 2009 QN_{8} 5 8.8 309°.99 6°.7/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.33	− 8 56.9	1.395	2.249	16.9	20.4
4 11	15 23.23	− 7 18.6	1.287	2.208	13.5	20.0
4 21	15 18.18	− 5 26.6	1.199	2.166	9.7	19.7
5 1	15 10.65	− 3 28.8	1.135	2.125	6.9	19.4
5 11	15 1.61	− 1 36.1	1.095	2.084	7.9	19.4
5 21	14 52.34	− 0 0.1	1.079	2.042	12.0	19.4
5 31	14 44.27	+ 1 9.0	1.085	2.002	16.9	19.6
6 10	14 38.60	+ 1 46.1	1.108	1.961	21.5	19.7

504575 2008 TY_{67} 5 8.8 114°.55 0°.7/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.95	−18 41.6	2.027	2.832	14.2	21.4
4 11	15 27.86	−19 1.8	1.945	2.838	11.1	21.2
4 21	15 20.46	−19 15.7	1.885	2.843	7.5	21.0
5 1	15 11.36	−19 23.2	1.851	2.849	3.5	20.7
5 11	15 1.48	−19 25.4	1.845	2.854	1.1	20.6
5 21	14 51.84	−19 24.3	1.867	2.860	5.0	20.9
5 31	14 43.41	−19 22.7	1.917	2.865	8.8	21.1
6 10	14 36.93	−19 23.9	1.990	2.870	12.2	21.3

310480 2000 SB_{246} 5 8.8 197°.02 2°.2/ 7.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.98	−13 21.0	1.889	2.706	14.6	21.7
4 11	15 28.00	−12 49.8	1.802	2.704	11.4	21.4
4 21	15 20.61	−12 12.9	1.737	2.701	7.6	21.2
5 1	15 11.44	−11 33.1	1.698	2.697	3.7	21.0
5 11	15 1.46	−10 54.6	1.687	2.692	2.8	20.9
5 21	14 51.70	−10 21.7	1.704	2.687	6.5	21.1
5 31	14 43.19	− 9 58.4	1.747	2.681	10.5	21.3
6 10	14 36.70	− 9 47.5	1.813	2.674	14.0	21.5

89437 2001 WR_{46} 5 8.8 291°.10 2°.0/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.16	−22 42.0	1.694	2.507	16.2	19.9
4 11	15 26.55	−22 50.3	1.591	2.486	13.0	19.6
4 21	15 20.12	−22 46.9	1.508	2.465	9.1	19.4
5 1	15 11.40	−22 31.1	1.448	2.443	4.8	19.1
5 11	15 1.43	−22 4.1	1.414	2.422	2.0	18.8
5 21	14 51.43	−21 29.1	1.406	2.401	5.9	19.0
5 31	14 42.70	−20 51.7	1.424	2.379	10.6	19.2
6 10	14 36.29	−20 18.0	1.464	2.358	14.8	19.4

85590 1998 FC_{39} 5 8.8 55°.27 5°.7/ 4.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.52	− 5 13.5	1.970	2.804	13.4	19.7
4 11	15 21.84	− 3 46.8	1.912	2.819	10.5	19.5
4 21	15 16.25	− 2 20.2	1.878	2.835	7.7	19.4
5 1	15 9.38	− 1 0.1	1.870	2.850	5.8	19.3
5 11	15 2.07	+ 0 7.2	1.889	2.866	6.3	19.4
5 21	14 55.12	+ 0 57.1	1.934	2.882	8.6	19.5
5 31	14 49.29	+ 1 27.1	2.003	2.898	11.4	19.7
6 10	14 45.14	+ 1 36.9	2.094	2.914	13.9	19.9

469059 2015 AH_{279} 5 8.8 123°.18 5°.5/ 5.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.95	− 4 3.8	1.959	2.784	13.9	21.5
4 11	15 25.33	− 3 13.4	1.891	2.793	10.9	21.3
4 21	15 18.63	− 2 24.9	1.846	2.801	7.9	21.1
5 1	15 10.48	− 1 43.2	1.827	2.809	5.7	21.0
5 11	15 1.75	− 1 13.2	1.835	2.817	6.0	21.0
5 21	14 53.37	− 0 58.2	1.870	2.825	8.4	21.2
5 31	14 46.17	− 1 0.1	1.929	2.832	11.3	21.4
6 10	14 40.77	− 1 18.6	2.010	2.839	14.1	21.6

34463 2000 SB_{101} 5 8.8 256.°31 5.°4/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.02	−35 12.1	2.622	3.357	13.1	19.3
4 11	15 26.36	−35 42.0	2.511	3.342	11.1	19.1
4 21	15 19.51	−35 58.1	2.422	3.326	8.9	18.9
5 1	15 10.98	−35 58.0	2.357	3.310	6.7	18.8
5 11	15 1.58	−35 40.7	2.318	3.294	5.4	18.7
5 21	14 52.22	−35 7.5	2.307	3.277	6.0	18.7
5 31	14 43.83	−34 22.0	2.323	3.260	8.1	18.8
6 10	14 37.18	−33 29.4	2.364	3.243	10.5	18.9

167045 2003 QK_{53} 5 8.8 186.°03 4.°3/ 6.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.75	− 8 42.6	1.812	2.638	14.8	20.6
4 11	15 27.04	− 7 53.5	1.733	2.639	11.5	20.4
4 21	15 19.95	− 7 1.5	1.676	2.638	8.0	20.2
5 1	15 11.13	− 6 11.6	1.645	2.637	4.9	20.0
5 11	15 1.56	− 5 29.0	1.641	2.636	4.8	20.0
5 21	14 52.27	− 4 58.3	1.664	2.634	7.9	20.2
5 31	14 44.26	− 4 43.0	1.712	2.631	11.5	20.4
6 10	14 38.26	− 4 44.4	1.782	2.628	14.9	20.6

19398 Creedence 5 8.8 239.°40 2.°0/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.98	−13 56.2	1.959	2.774	14.3	19.4
4 11	15 28.11	−13 27.9	1.857	2.757	11.2	19.1
4 21	15 20.79	−12 53.1	1.777	2.740	7.5	18.9
5 1	15 11.59	−12 14.4	1.723	2.721	3.6	18.6
5 11	15 1.41	−11 35.5	1.696	2.702	2.5	18.5
5 21	14 51.29	−11 0.8	1.698	2.682	6.4	18.7
5 31	14 42.28	−10 34.5	1.726	2.661	10.5	18.9
6 10	14 35.22	−10 20.0	1.778	2.639	14.3	19.1

380551 2004 OO_{9} 5 8.8 289.°07 1.°7/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.48	−22 6.3	1.761	2.572	15.8	20.8
4 11	15 26.72	−22 13.7	1.653	2.548	12.6	20.6
4 21	15 20.21	−22 10.2	1.566	2.523	8.8	20.3
5 1	15 11.45	−21 55.2	1.503	2.499	4.5	20.0
5 11	15 1.43	−21 29.8	1.466	2.474	1.8	19.7
5 21	14 51.34	−20 57.3	1.455	2.449	5.8	19.9
5 31	14 42.44	−20 22.8	1.470	2.424	10.4	20.1
6 10	14 35.77	−19 52.1	1.507	2.399	14.7	20.3

124685 2001 SN_{116} 5 8.8 112.°66 0.°1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.53	−17 29.4	1.438	2.265	17.9	19.3
4 11	15 30.01	−17 42.3	1.362	2.268	14.0	19.0
4 21	15 22.36	−17 47.6	1.306	2.271	9.4	18.8
5 1	15 12.34	−17 45.7	1.273	2.273	4.3	18.5
5 11	15 1.21	−17 38.6	1.266	2.276	1.2	18.3
5 21	14 50.41	−17 29.6	1.285	2.278	6.5	18.6
5 31	14 41.30	−17 23.0	1.328	2.280	11.4	18.9
6 10	14 34.86	−17 23.0	1.392	2.283	15.7	19.2

197955 2004 RS_{87} 5 8.8 319.°82 6.°9/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 23.37	− 7 20.4	1.456	2.311	16.2	20.0
4 11	15 21.23	− 5 34.9	1.371	2.292	12.8	19.7
4 21	15 16.48	− 3 41.6	1.308	2.273	9.4	19.5
5 1	15 9.71	− 1 49.4	1.268	2.254	7.1	19.3
5 11	15 1.95	− 0 9.0	1.253	2.236	8.0	19.3
5 21	14 54.34	+ 1 10.2	1.262	2.218	11.4	19.4
5 31	14 48.04	+ 2 1.7	1.293	2.202	15.3	19.6
6 10	14 43.92	+ 2 23.3	1.342	2.186	19.0	19.8

11002 Richardlis 5 8.8 88.°88 5.°5/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.56	− 2 29.5	2.182	3.006	12.7	17.5
4 11	15 23.31	− 1 43.0	2.113	3.012	10.1	17.4
4 21	15 17.21	− 0 59.3	2.066	3.017	7.5	17.2
5 1	15 9.84	− 0 23.2	2.046	3.023	5.7	17.1
5 11	15 1.95	+ 0 1.3	2.053	3.029	5.9	17.1
5 21	14 54.33	+ 0 11.3	2.086	3.035	8.0	17.3
5 31	14 47.73	+ 0 5.4	2.144	3.041	10.7	17.4
6 10	14 42.72	− 0 16.2	2.225	3.046	13.2	17.6

213199 2000 SB_{358} 5 8.8 197.°33 4.°7/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.34	− 0 1.4	2.879	3.681	10.5	20.4
4 11	15 25.02	+ 0 18.3	2.794	3.678	8.4	20.2
4 21	15 18.17	+ 0 33.8	2.733	3.675	6.4	20.1
5 1	15 10.24	+ 0 41.9	2.700	3.671	4.9	20.0
5 11	15 1.83	+ 0 40.2	2.696	3.667	5.1	20.0
5 21	14 53.58	+ 0 27.1	2.720	3.662	6.7	20.1
5 31	14 46.11	+ 0 2.0	2.772	3.657	8.9	20.2
6 10	14 39.92	− 0 34.6	2.848	3.652	11.0	20.4

39620 1994 PE_{2} 5 8.8 271.°15 2.°7/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.59	−25 55.9	2.219	3.002	13.8	19.4
4 11	15 27.07	−26 5.1	2.100	2.975	11.2	19.2
4 21	15 20.16	−26 2.8	2.003	2.948	8.1	18.9
5 1	15 11.35	−25 47.8	1.932	2.920	4.8	18.7
5 11	15 1.47	−25 20.4	1.888	2.891	2.7	18.5
5 21	14 51.53	−24 43.1	1.872	2.863	5.1	18.6
5 31	14 42.57	−24 0.0	1.883	2.833	8.8	18.7
6 10	14 35.45	−23 16.8	1.919	2.803	12.4	18.9

341863 2008 FB_{126} 5 8.8 291.°68 1.°3/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 21.73	−10 49.2	4.332	5.138	7.2	20.2
4 11	15 18.02	−10 43.4	4.237	5.133	5.5	20.0
4 21	15 13.37	−10 36.8	4.167	5.127	3.7	19.9
5 1	15 8.06	−10 30.5	4.125	5.122	1.9	19.8
5 11	15 2.45	−10 25.7	4.114	5.116	1.5	19.7
5 21	14 56.91	−10 23.7	4.132	5.111	3.2	19.8
5 31	14 51.82	−10 25.4	4.179	5.106	5.1	20.0
6 10	14 47.48	−10 31.8	4.253	5.100	6.9	20.1

506786 2007 BG_{1} 5 8.8 184.°76 5.°6/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.19	−41 51.2	3.492	4.169	11.1	22.7
4 11	15 26.67	−42 13.2	3.390	4.169	9.6	22.6
4 21	15 19.38	−42 21.2	3.309	4.168	8.1	22.5
5 1	15 10.81	−42 13.3	3.252	4.167	6.6	22.4
5 11	15 1.67	−41 48.9	3.222	4.165	5.7	22.3
5 21	14 52.70	−41 9.3	3.220	4.163	5.8	22.3
5 31	14 44.63	−40 17.4	3.246	4.160	6.8	22.4
6 10	14 38.03	−39 17.6	3.297	4.156	8.4	22.5

506033 2015 KO_{12} 5 8.8 134.°44 5.°3/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.34	− 3 50.0	2.215	3.041	12.4	21.4
4 11	15 22.39	− 2 52.3	2.141	3.042	9.8	21.2
4 21	15 16.63	− 1 55.9	2.090	3.043	7.2	21.0
5 1	15 9.59	− 1 5.3	2.065	3.044	5.4	20.9
5 11	15 2.02	− 0 25.5	2.067	3.045	5.8	21.0
5 21	14 54.69	+ 0 0.0	2.096	3.046	7.9	21.1
5 31	14 48.32	+ 0 9.3	2.150	3.047	10.6	21.3
6 10	14 43.49	+ 0 2.0	2.226	3.048	13.2	21.4

270262 2001 UY_{137} 5 8.8 284.°00 0.°1/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.60	−17 43.8	1.711	2.533	15.7	20.7
4 11	15 26.52	−17 39.6	1.625	2.529	12.3	20.5
4 21	15 19.83	−17 27.3	1.561	2.525	8.2	20.3
5 1	15 11.17	−17 8.1	1.521	2.520	3.7	20.0
5 11	15 1.57	−16 44.8	1.507	2.516	1.1	19.8
5 21	14 52.17	−16 20.9	1.520	2.512	5.9	20.1
5 31	14 44.12	−16 1.0	1.558	2.508	10.3	20.3
6 10	14 38.25	−15 49.0	1.619	2.504	14.2	20.5

208597 2002 CC_{159} 5 8.8 102.°77 0.°7/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.37	−19 58.6	1.540	2.358	17.3	20.6
4 11	15 29.54	−19 59.0	1.471	2.370	13.6	20.4
4 21	15 21.83	−19 48.7	1.422	2.383	9.2	20.2
5 1	15 12.02	−19 28.4	1.396	2.395	4.3	19.9
5 11	15 1.35	−19 0.9	1.397	2.407	1.2	19.7
5 21	14 51.15	−18 30.5	1.425	2.418	6.0	20.1
5 31	14 42.63	−18 2.4	1.477	2.429	10.6	20.3
6 10	14 36.61	−17 41.6	1.552	2.440	14.5	20.6

120306 2004 KE_{6} 5 8.8 239.°61 3.°1/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.61	− 9 0.3	1.891	2.710	14.5	20.2
4 11	15 28.55	− 8 55.4	1.800	2.702	11.4	19.9
4 21	15 21.05	− 8 50.3	1.732	2.694	7.7	19.7
5 1	15 11.69	− 8 47.7	1.690	2.685	4.2	19.5
5 11	15 1.42	− 8 50.3	1.675	2.676	3.5	19.4
5 21	14 51.29	− 9 0.7	1.687	2.667	6.9	19.6
5 31	14 42.34	− 9 20.6	1.726	2.658	10.7	19.8
6 10	14 35.39	− 9 51.0	1.788	2.648	14.3	20.0

110847 2001 UO_{74} 5 8.8 122.°53 2.°7/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.11	−13 52.2	1.897	2.722	14.3	20.2
4 11	15 24.81	−12 50.2	1.824	2.731	11.0	20.0
4 21	15 18.34	−11 40.9	1.774	2.740	7.3	19.8
5 1	15 10.37	−10 28.8	1.751	2.748	3.7	19.6
5 11	15 1.82	− 9 19.6	1.755	2.757	3.3	19.5
5 21	14 53.64	− 8 18.9	1.786	2.765	6.6	19.8
5 31	14 46.69	− 7 31.3	1.843	2.773	10.3	20.0
6 10	14 41.62	− 6 59.6	1.923	2.780	13.5	20.2

469740 2005 NO_{73} 5 8.8 255.°47 5.°1/ 4.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.93	− 3 16.3	2.328	3.150	12.0	21.6
4 11	15 22.83	− 2 29.5	2.243	3.142	9.6	21.4
4 21	15 16.94	− 1 44.2	2.182	3.134	7.1	21.2
5 1	15 9.76	− 1 4.9	2.147	3.126	5.3	21.1
5 11	15 1.98	− 0 35.6	2.139	3.117	5.6	21.1
5 21	14 54.37	− 0 19.6	2.158	3.109	7.7	21.2
5 31	14 47.65	− 0 18.9	2.203	3.100	10.4	21.3
6 10	14 42.42	− 0 33.6	2.270	3.091	12.9	21.5

69386 1995 DL_{6} 5 8.8 327.°75 4.°5/ 6.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.94	−11 19.4	1.224	2.084	18.4	19.3
4 11	15 23.75	−10 28.7	1.146	2.071	14.4	19.0
4 21	15 18.44	− 9 30.3	1.087	2.058	9.8	18.7
5 1	15 10.68	− 8 30.3	1.049	2.047	5.5	18.4
5 11	15 1.71	− 7 36.6	1.035	2.036	5.2	18.3
5 21	14 52.94	− 6 56.7	1.043	2.026	9.6	18.6
5 31	14 45.80	− 6 36.6	1.073	2.017	14.5	18.8
6 10	14 41.33	− 6 38.9	1.122	2.008	19.0	19.0

507490 2012 UZ_{28} 5 8.8 223°.79 4°.0/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.42	− 5 18.9	2.493	3.305	11.7	21.9
4 11	15 25.43	− 4 52.0	2.400	3.295	9.2	21.7
4 21	15 18.64	− 4 26.0	2.330	3.285	6.5	21.5
5 1	15 10.52	− 4 4.1	2.288	3.274	4.4	21.4
5 11	15 1.78	− 3 49.5	2.274	3.262	4.4	21.3
5 21	14 53.16	− 3 44.9	2.288	3.250	6.6	21.5
5 31	14 45.40	− 3 51.8	2.330	3.237	9.4	21.6
6 10	14 39.10	− 4 10.9	2.395	3.224	12.1	21.8

387756 2003 SC_{59} 5 8.8 240°.95 1°.4/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.05	−23 57.5	2.504	3.289	12.4	21.8
4 11	15 25.39	−23 38.9	2.393	3.272	9.9	21.6
4 21	15 18.74	−23 9.2	2.304	3.254	6.9	21.4
5 1	15 10.61	−22 28.5	2.242	3.236	3.6	21.1
5 11	15 1.75	−21 39.1	2.208	3.216	1.4	20.9
5 21	14 52.96	−20 44.1	2.204	3.196	4.3	21.1
5 31	14 45.09	−19 48.1	2.229	3.176	7.8	21.3
6 10	14 38.80	−18 56.0	2.278	3.155	11.0	21.5

120723 1997 SA_{16} 5 8.8 137°.83 0°.7/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.70	−20 44.8	1.991	2.796	14.4	20.1
4 11	15 26.88	−20 33.5	1.912	2.804	11.3	19.9
4 21	15 19.78	−20 12.2	1.854	2.812	7.6	19.7
5 1	15 11.05	−19 42.1	1.822	2.820	3.6	19.5
5 11	15 1.64	−19 5.6	1.818	2.827	1.0	19.3
5 21	14 52.55	−18 26.7	1.841	2.834	5.0	19.6
5 31	14 44.72	−17 49.9	1.892	2.840	8.9	19.9
6 10	14 38.85	−17 19.6	1.967	2.847	12.3	20.1

409179 2003 UN_{296} 5 8.8 211°.56 0°.3/ 8.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.31	−19 36.1	1.997	2.800	14.4	22.8
4 11	15 28.30	−19 24.6	1.901	2.793	11.4	22.5
4 21	15 20.87	−19 3.6	1.827	2.786	7.7	22.3
5 1	15 11.62	−18 34.2	1.779	2.778	3.5	22.0
5 11	15 1.47	−17 58.7	1.759	2.769	0.9	21.8
5 21	14 51.49	−17 20.9	1.767	2.759	5.3	22.1
5 31	14 42.70	−16 45.4	1.803	2.749	9.4	22.3
6 10	14 35.90	−16 16.8	1.862	2.737	13.1	22.5

55985 1998 RU_{79} 5 8.8 154°.93 1°.8/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.58	−21 26.0	1.598	2.407	17.2	19.8
4 11	15 31.39	−21 44.5	1.519	2.412	13.7	19.6
4 21	15 23.18	−21 52.7	1.460	2.417	9.4	19.4
5 1	15 12.71	−21 49.5	1.426	2.421	4.8	19.1
5 11	15 1.18	−21 36.2	1.417	2.425	1.9	18.9
5 21	14 49.98	−21 15.9	1.436	2.429	6.0	19.2
5 31	14 40.41	−20 53.7	1.480	2.432	10.5	19.4
6 10	14 33.42	−20 35.0	1.547	2.434	14.6	19.7

163363 2002 OV_{19} 5 8.8 6°.32 11°.8/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 17.96	+ 1 23.7	1.048	1.928	19.2	18.3
4 11	15 17.53	+ 3 18.3	1.004	1.929	15.9	18.1
4 21	15 14.15	+ 5 4.2	0.978	1.933	13.1	17.9
5 1	15 8.66	+ 6 28.0	0.971	1.938	11.8	17.9
5 11	15 2.35	+ 7 19.0	0.985	1.947	12.8	18.0
5 21	14 56.53	+ 7 31.7	1.018	1.957	15.4	18.1
5 31	14 52.37	+ 7 6.3	1.069	1.970	18.5	18.4
6 10	14 50.64	+ 6 7.8	1.136	1.984	21.4	18.6

417354 2006 EB_{57} 5 8.8 137°.14 0°.3/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 20.04	−20 10.9	4.547	5.337	7.1	21.2
4 11	15 16.73	−19 56.9	4.452	5.337	5.5	21.1
4 21	15 12.52	−19 38.5	4.383	5.338	3.7	21.0
5 1	15 7.70	−19 16.5	4.342	5.339	1.7	20.8
5 11	15 2.61	−18 52.1	4.330	5.340	0.5	20.7
5 21	14 57.62	−18 26.9	4.349	5.340	2.4	20.9
5 31	14 53.07	−18 2.4	4.397	5.341	4.4	21.0
6 10	14 49.26	−17 40.4	4.471	5.342	6.1	21.2

126703 2002 CO_{239} 5 8.8 189°.64 0°.0/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.78	−19 12.9	2.030	2.841	14.0	20.4
4 11	15 25.42	−18 54.0	1.944	2.840	10.9	20.2
4 21	15 18.85	−18 25.8	1.879	2.840	7.3	20.0
5 1	15 10.68	−17 50.0	1.840	2.839	3.3	19.7
5 11	15 1.78	−17 9.6	1.828	2.837	0.9	19.5
5 21	14 53.11	−16 28.4	1.845	2.836	5.1	19.8
5 31	14 45.60	−15 51.0	1.888	2.834	9.0	20.0
6 10	14 39.95	−15 21.5	1.954	2.832	12.4	20.3

502954 2015 EW_{62} 5 8.8 67°.72 7°.9/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.68	−38 34.5	1.924	2.662	17.1	20.6
4 11	15 29.13	−39 23.0	1.847	2.672	14.7	20.4
4 21	15 21.66	−39 51.6	1.789	2.683	12.0	20.2
5 1	15 12.02	−39 56.1	1.752	2.693	9.5	20.1
5 11	15 1.40	−39 35.0	1.740	2.704	8.0	20.0
5 21	14 51.15	−38 50.5	1.753	2.714	8.3	20.1
5 31	14 42.52	−37 48.6	1.790	2.725	10.2	20.2
6 10	14 36.39	−36 37.8	1.851	2.736	12.7	20.4

251030 2006 QV_{96} 5 8.8 215°.65 5°.7/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 27.33	− 0 36.9	2.452	3.268	11.7	20.5
4 11	15 23.02	+ 0 14.8	2.371	3.264	9.4	20.4
4 21	15 17.01	+ 1 3.4	2.315	3.259	7.2	20.2
5 1	15 9.79	+ 1 44.3	2.285	3.254	5.8	20.1
5 11	15 2.04	+ 2 13.3	2.282	3.249	6.2	20.1
5 21	14 54.47	+ 2 27.6	2.307	3.243	8.0	20.2
5 31	14 47.78	+ 2 25.7	2.356	3.237	10.4	20.4
6 10	14 42.49	+ 2 7.6	2.428	3.231	12.7	20.5

370072 2001 QA_{154} 5 8.8 197°.16 4°.9/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.79	−31 5.2	2.286	3.038	14.3	21.5
4 11	15 31.03	−31 49.0	2.188	3.035	11.9	21.3
4 21	15 22.74	−32 20.4	2.111	3.032	9.1	21.1
5 1	15 12.51	−32 36.4	2.060	3.028	6.4	21.0
5 11	15 1.26	−32 35.6	2.036	3.023	4.9	20.9
5 21	14 50.10	−32 19.1	2.040	3.017	6.1	20.9
5 31	14 40.12	−31 50.8	2.071	3.011	8.7	21.1
6 10	14 32.19	−31 16.2	2.128	3.004	11.6	21.2

262729 2006 XJ_{37} 5 8.8 221°.26 2°.0/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.15	−13 34.1	1.988	2.806	14.0	21.0
4 11	15 26.54	−13 5.9	1.896	2.798	10.9	20.8
4 21	15 19.65	−12 32.0	1.827	2.790	7.2	20.6
5 1	15 11.07	−11 55.2	1.783	2.782	3.5	20.3
5 11	15 1.68	−11 19.3	1.768	2.773	2.6	20.2
5 21	14 52.46	−10 48.2	1.780	2.764	6.2	20.4
5 31	14 44.36	−10 25.8	1.819	2.754	10.0	20.6
6 10	14 38.14	−10 14.9	1.880	2.743	13.5	20.8

517678 2015 CY_{66} 5 8.8 28°.25 3°.6/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.26	−11 22.0	1.682	2.519	15.2	21.4
4 11	15 23.72	−10 29.9	1.610	2.523	11.8	21.2
4 21	15 17.82	− 9 32.7	1.559	2.526	7.9	20.9
5 1	15 10.23	− 8 35.1	1.534	2.530	4.4	20.7
5 11	15 1.94	− 7 43.1	1.534	2.534	4.1	20.7
5 21	14 53.97	− 7 1.9	1.560	2.538	7.5	20.9
5 31	14 47.32	− 6 35.6	1.611	2.543	11.4	21.2
6 10	14 42.68	− 6 26.1	1.684	2.547	14.8	21.4

106658 2000 WA_{143} 5 8.8 162°.71 4°.8/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.80	− 1 17.1	2.930	3.742	10.1	20.8
4 11	15 21.51	− 0 20.7	2.856	3.747	8.1	20.6
4 21	15 15.83	+ 0 33.3	2.808	3.751	6.1	20.5
5 1	15 9.22	+ 1 21.1	2.787	3.756	4.9	20.4
5 11	15 2.23	+ 1 59.0	2.794	3.759	5.3	20.4
5 21	14 55.42	+ 2 24.6	2.829	3.763	6.9	20.5
5 31	14 49.36	+ 2 36.4	2.891	3.765	8.9	20.7
6 10	14 44.47	+ 2 34.1	2.975	3.768	10.9	20.8

40627 1999 RJ_{173} 5 8.8 267°.48 4°.5/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.89	− 7 0.3	1.981	2.808	13.6	19.5
4 11	15 24.80	− 6 16.0	1.888	2.793	10.8	19.3
4 21	15 18.52	− 5 30.1	1.817	2.777	7.6	19.1
5 1	15 10.59	− 4 47.2	1.772	2.761	5.0	18.9
5 11	15 1.83	− 4 12.2	1.754	2.745	5.1	18.8
5 21	14 53.18	− 3 49.2	1.762	2.728	7.9	19.0
5 31	14 45.57	− 3 41.3	1.796	2.712	11.3	19.1
6 10	14 39.74	− 3 49.8	1.852	2.695	14.5	19.3

23470 1990 SO_{8} 5 8.8 180°.07 2°.2/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.57	−12 1.6	2.555	3.364	11.5	20.5
4 11	15 24.69	−11 28.9	2.468	3.366	8.9	20.3
4 21	15 18.09	−10 52.7	2.406	3.367	5.9	20.1
5 1	15 10.28	−10 15.4	2.371	3.367	3.0	19.9
5 11	15 1.94	− 9 40.4	2.365	3.367	2.6	19.9
5 21	14 53.80	− 9 10.6	2.388	3.366	5.3	20.1
5 31	14 46.55	− 8 48.9	2.439	3.364	8.3	20.2
6 10	14 40.74	− 8 37.0	2.514	3.362	11.0	20.4

156474 2002 CN_{46} 5 8.8 323°.95 0°.8/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.29	−21 20.5	1.633	2.457	16.2	19.7
4 11	15 24.17	−21 4.2	1.545	2.448	12.8	19.4
4 21	15 18.39	−20 34.9	1.477	2.440	8.7	19.2
5 1	15 10.60	−19 53.8	1.433	2.431	4.2	18.9
5 11	15 1.84	−19 4.2	1.414	2.424	1.1	18.6
5 21	14 53.28	−18 11.2	1.421	2.416	5.8	18.9
5 31	14 46.08	−17 21.3	1.454	2.409	10.4	19.2
6 10	14 41.11	−16 40.2	1.508	2.403	14.5	19.4

232563 2003 SB_{279} 5 8.8 308°.37 2°.7/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.37	−25 2.8	1.751	2.558	16.0	20.3
4 11	15 25.01	−25 9.0	1.654	2.544	12.9	20.1
4 21	15 18.99	−25 1.6	1.578	2.531	9.2	19.8
5 1	15 10.90	−24 39.7	1.525	2.517	5.2	19.6
5 11	15 1.75	−24 4.8	1.498	2.504	2.7	19.4
5 21	14 52.70	−23 20.5	1.497	2.491	5.7	19.5
5 31	14 44.94	−22 32.5	1.521	2.478	9.9	19.7
6 10	14 39.39	−21 47.3	1.568	2.466	13.8	19.9

114424 2002 YE_{36} 5 8.8 131°.89 4°.0/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 33.26	− 6 44.4	2.052	2.868	13.6	19.6
4 11	15 27.81	− 6 19.0	1.982	2.881	10.6	19.5
4 21	15 20.26	− 5 54.4	1.935	2.893	7.4	19.3
5 1	15 11.27	− 5 34.0	1.914	2.904	4.6	19.1
5 11	15 1.70	− 5 21.2	1.922	2.915	4.4	19.1
5 21	14 52.48	− 5 18.6	1.957	2.926	7.0	19.3
5 31	14 44.45	− 5 28.0	2.019	2.936	10.2	19.5
6 10	14 38.26	− 5 49.6	2.104	2.945	13.1	19.7

350920 2002 SV_{63} 5 8.8 268°.44 3°.4/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.35	−27 15.1	2.306	3.080	13.6	21.7
4 11	15 27.62	−27 39.9	2.189	3.057	11.1	21.5
4 21	15 20.54	−27 54.2	2.095	3.033	8.2	21.3
5 1	15 11.58	−27 55.9	2.025	3.008	5.2	21.1
5 11	15 1.56	−27 44.8	1.984	2.983	3.4	20.9
5 21	14 51.46	−27 22.3	1.970	2.958	5.3	21.0
5 31	14 42.32	−26 52.0	1.984	2.932	8.6	21.1
6 10	14 34.99	−26 18.9	2.022	2.906	11.9	21.3

508402 2016 GX_{237} 5 8.8 336°.04 4°.1/ 6.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.03	−12 15.9	1.456	2.306	16.5	21.0
4 11	15 22.49	−11 6.3	1.378	2.298	12.8	20.8
4 21	15 17.29	− 9 47.8	1.320	2.290	8.7	20.5
5 1	15 10.11	− 8 26.5	1.286	2.283	4.9	20.3
5 11	15 2.01	− 7 10.4	1.276	2.276	4.8	20.2
5 21	14 54.17	− 6 7.0	1.292	2.270	8.7	20.4
5 31	14 47.74	− 5 22.6	1.330	2.265	13.0	20.7
6 10	14 43.56	− 5 0.2	1.389	2.260	16.9	20.9

32186 2000 NM_{23} 5 8.8 45°.48 9°.2/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.16	−40 4.4	1.747	2.485	18.6	18.0
4 11	15 30.01	−41 2.6	1.667	2.489	16.2	17.9
4 21	15 22.56	−41 39.1	1.604	2.493	13.5	17.7
5 1	15 12.55	−41 48.4	1.562	2.497	10.9	17.5
5 11	15 1.32	−41 27.6	1.543	2.501	9.3	17.5
5 21	14 50.41	−40 38.6	1.548	2.505	9.6	17.5
5 31	14 41.30	−39 28.1	1.577	2.510	11.4	17.6
6 10	14 35.04	−38 6.1	1.628	2.514	14.0	17.8

309934 2009 FS_{62} 5 8.8 288°.14 1°.9/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.30	−19 58.3	2.272	3.061	13.4	20.3
4 11	15 30.65	−20 52.1	2.161	3.042	10.7	20.1
4 21	15 22.56	−21 42.5	2.073	3.024	7.4	19.8
5 1	15 12.51	−22 27.7	2.012	3.005	3.9	19.6
5 11	15 1.32	−23 6.3	1.980	2.987	2.0	19.4
5 21	14 49.98	−23 38.2	1.978	2.968	5.0	19.6
5 31	14 39.57	−24 4.6	2.004	2.949	8.7	19.8
6 10	14 30.98	−24 28.2	2.056	2.931	12.1	19.9

428835 2008 TX_{176} 5 8.8 73°.35 2°.0/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.34	−12 15.5	1.931	2.752	14.2	20.8
4 11	15 26.47	−12 5.6	1.866	2.769	10.9	20.7
4 21	15 19.44	−11 52.7	1.823	2.787	7.2	20.5
5 1	15 10.91	−11 39.3	1.806	2.805	3.5	20.3
5 11	15 1.83	−11 28.1	1.817	2.822	2.5	20.2
5 21	14 53.13	−11 21.9	1.855	2.840	5.9	20.5
5 31	14 45.69	−11 23.1	1.920	2.858	9.4	20.7
6 10	14 40.16	−11 33.2	2.008	2.875	12.6	21.0

56951 2000 SK_{2} 5 8.8 318°.58 0°.8/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 21.67	−13 25.3	4.245	5.048	7.4	19.1
4 11	15 18.03	−13 19.1	4.152	5.047	5.6	19.0
4 21	15 13.43	−13 11.0	4.085	5.045	3.7	18.8
5 1	15 8.15	−13 2.1	4.046	5.044	1.7	18.7
5 11	15 2.58	−12 53.6	4.037	5.043	1.1	18.6
5 21	14 57.10	−12 46.8	4.057	5.042	3.0	18.8
5 31	14 52.07	−12 42.9	4.107	5.040	5.0	18.9
6 10	14 47.83	−12 43.1	4.183	5.039	6.8	19.0

426451 2013 QR_{61} 5 8.8 182°.59 7°.5/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.79	+ 3 22.2	2.298	3.107	12.6	22.3
4 11	15 24.98	+ 4 42.8	2.227	3.108	10.4	22.2
4 21	15 18.34	+ 5 58.1	2.181	3.109	8.5	22.0
5 1	15 10.42	+ 7 1.9	2.160	3.108	7.6	22.0
5 11	15 1.96	+ 7 48.8	2.167	3.107	8.1	22.0
5 21	14 53.74	+ 8 15.5	2.199	3.106	9.9	22.1
5 31	14 46.51	+ 8 20.4	2.256	3.103	12.1	22.3
6 10	14 40.84	+ 8 4.7	2.333	3.100	14.2	22.4

148350 2000 RN_{34} 5 8.8 221°.21 3°.2/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.81	−30 32.7	3.131	3.879	10.9	21.8
4 11	15 24.90	−30 41.6	3.021	3.868	9.0	21.6
4 21	15 18.28	−30 39.8	2.933	3.857	6.7	21.5
5 1	15 10.42	−30 26.2	2.872	3.845	4.5	21.3
5 11	15 1.95	−30 1.4	2.839	3.832	3.2	21.2
5 21	14 53.56	−29 27.0	2.836	3.819	4.2	21.3
5 31	14 45.95	−28 46.0	2.862	3.805	6.4	21.4
6 10	14 39.69	−28 2.5	2.914	3.791	8.8	21.5

240784 2005 TG_{153} 5 8.8 237°.15 0°.4/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 26.62	−18 17.1	2.906	3.705	10.5	21.2
4 11	15 22.37	−17 43.7	2.800	3.691	8.2	21.0
4 21	15 16.57	−17 3.2	2.717	3.677	5.4	20.8
5 1	15 9.64	−16 17.0	2.663	3.662	2.4	20.6
5 11	15 2.18	−15 27.9	2.638	3.647	0.9	20.5
5 21	14 54.82	−14 39.0	2.643	3.631	4.0	20.7
5 31	14 48.19	−13 53.8	2.676	3.615	7.1	20.8
6 10	14 42.81	−13 15.3	2.735	3.598	9.8	21.0

84732 2002 WT_{10} 5 8.8 202°.87 3°.4/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.87	−11 14.1	1.878	2.705	14.3	20.2
4 11	15 25.58	−10 21.6	1.795	2.702	11.1	20.0
4 21	15 19.02	− 9 23.8	1.735	2.699	7.5	19.8
5 1	15 10.81	− 8 25.1	1.701	2.696	4.2	19.6
5 11	15 1.86	− 7 30.9	1.693	2.692	4.0	19.6
5 21	14 53.15	− 6 46.3	1.713	2.688	7.2	19.7
5 31	14 45.65	− 6 15.4	1.758	2.684	10.9	20.0
6 10	14 40.05	− 6 0.5	1.826	2.679	14.3	20.2

210912 2001 SR_{243} 5 8.8 167°.42 3°.6/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.48	− 7 22.5	2.764	3.579	10.5	20.9
4 11	15 22.14	− 6 25.4	2.684	3.583	8.2	20.8
4 21	15 16.33	− 5 27.0	2.630	3.587	5.7	20.6
5 1	15 9.49	− 4 31.0	2.603	3.590	3.8	20.5
5 11	15 2.23	− 3 41.1	2.605	3.592	4.0	20.5
5 21	14 55.18	− 3 0.7	2.636	3.595	6.1	20.7
5 31	14 48.91	− 2 32.1	2.694	3.597	8.5	20.8
6 10	14 43.91	− 2 16.5	2.776	3.598	10.8	21.0

465845 2010 OK_{80} 5 8.8 241°.74 0°.4/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.85	−17 5.5	1.974	2.782	14.4	22.3
4 11	15 28.89	−16 58.9	1.870	2.766	11.3	22.1
4 21	15 21.41	−16 45.3	1.788	2.749	7.6	21.8
5 1	15 11.99	−16 25.4	1.731	2.731	3.4	21.5
5 11	15 1.51	−16 1.8	1.703	2.712	1.2	21.3
5 21	14 51.06	−15 37.5	1.702	2.692	5.6	21.6
5 31	14 41.73	−15 16.7	1.729	2.672	9.9	21.8
6 10	14 34.39	−15 3.3	1.779	2.651	13.7	22.0

181102 2005 QB_{71} 5 8.8 230°.30 3°.2/ 5.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.77	− 9 25.4	2.555	3.374	11.2	20.3
4 11	15 21.82	− 8 35.1	2.466	3.368	8.7	20.1
4 21	15 16.24	− 7 41.9	2.401	3.362	5.9	19.9
5 1	15 9.50	− 6 49.4	2.363	3.355	3.6	19.7
5 11	15 2.24	− 6 1.4	2.354	3.348	3.6	19.7
5 21	14 55.13	− 5 21.7	2.373	3.341	6.0	19.9
5 31	14 48.84	− 4 53.0	2.419	3.334	8.8	20.0
6 10	14 43.90	− 4 37.2	2.488	3.326	11.4	20.2

476585 2008 RM_{135} 5 8.9 113°.28 1°.5/ 6.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 23.33	−12 25.0	3.750	4.556	8.2	22.6
4 11	15 19.32	−11 50.4	3.677	4.573	6.3	22.5
4 21	15 14.27	−11 13.4	3.630	4.591	4.1	22.4
5 1	15 8.52	−10 36.0	3.611	4.608	2.1	22.3
5 11	15 2.53	−10 0.2	3.622	4.624	1.8	22.2
5 21	14 56.71	− 9 28.3	3.664	4.641	3.7	22.4
5 31	14 51.47	− 9 2.0	3.733	4.657	5.8	22.6
6 10	14 47.15	− 8 42.7	3.829	4.673	7.7	22.7

285464 1999 YD_{10} 5 8.9 165°.08 1°.6/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.43	−14 59.5	1.971	2.785	14.2	22.5
4 11	15 27.44	−14 30.9	1.890	2.790	11.0	22.3
4 21	15 20.19	−13 55.8	1.831	2.794	7.3	22.1
5 1	15 11.32	−13 16.8	1.799	2.798	3.3	21.8
5 11	15 1.75	−12 37.6	1.795	2.801	2.1	21.8
5 21	14 52.47	−12 2.4	1.818	2.804	5.8	22.0
5 31	14 44.43	−11 35.0	1.868	2.806	9.7	22.2
6 10	14 38.31	−11 18.4	1.942	2.807	13.1	22.4

270405 2002 AA_{202} 5 8.9 154°.94 0°.6/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.14	−17 35.4	2.485	3.284	12.1	22.2
4 11	15 25.94	−17 6.9	2.402	3.294	9.3	22.0
4 21	15 18.94	−16 31.4	2.344	3.303	6.2	21.8
5 1	15 10.69	−15 50.7	2.312	3.311	2.7	21.6
5 11	15 1.93	−15 7.9	2.311	3.319	1.1	21.5
5 21	14 53.45	−14 26.2	2.338	3.326	4.5	21.7
5 31	14 45.95	−13 49.3	2.394	3.332	7.8	22.0
6 10	14 40.02	−13 20.2	2.475	3.337	10.7	22.2

505709 2015 AB_{120} 5 8.9 342°.94 8°.0/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.40	−37 56.7	1.634	2.395	18.9	20.6
4 11	15 27.13	−38 25.4	1.548	2.391	16.2	20.4
4 21	15 20.67	−38 30.6	1.480	2.388	13.1	20.2
5 1	15 11.73	−38 7.6	1.432	2.385	10.1	20.0
5 11	15 1.63	−37 15.3	1.407	2.383	8.1	19.9
5 21	14 51.86	−35 57.3	1.406	2.381	8.6	19.9
5 31	14 43.84	−34 21.7	1.430	2.379	11.1	20.0
6 10	14 38.58	−32 39.7	1.476	2.378	14.3	20.2

475210 2005 VM_{34} 5 8.9 192.°51 2.°3/ 6.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 25.98	−10 53.4	2.950	3.761	10.0	22.2
4 11	15 21.74	−10 15.5	2.861	3.759	7.8	22.0
4 21	15 16.07	− 9 34.9	2.796	3.757	5.2	21.8
5 1	15 9.40	− 8 54.1	2.760	3.755	2.9	21.7
5 11	15 2.30	− 8 16.2	2.753	3.752	2.7	21.7
5 21	14 55.34	− 7 43.8	2.775	3.749	4.9	21.8
5 31	14 49.11	− 7 19.5	2.825	3.745	7.5	22.0
6 10	14 44.07	− 7 4.7	2.899	3.741	9.9	22.1

75258 1999 XE_{8} 5 8.9 160.°25 1.°6/ 7.8 17

4 1	15 32.62	−14 53.4	2.059	2.870	13.8	20.5
4 11	15 27.47	−14 24.4	1.978	2.877	10.7	20.3
4 21	15 20.15	−13 49.2	1.921	2.883	7.1	20.1
5 1	15 11.29	−13 10.3	1.890	2.889	3.2	19.9
5 11	15 1.78	−12 31.4	1.887	2.894	2.1	19.8
5 21	14 52.57	−11 56.3	1.913	2.898	5.7	20.1
5 31	14 44.55	−11 28.9	1.966	2.901	9.4	20.3
6 10	14 38.39	−11 11.9	2.042	2.904	12.6	20.5

56864 2000 QG_{91} 5 8.9 161.°65 7.°2/30.3 18

4 1	15 25.79	+ 7 0.1	2.920	3.719	10.4	19.3
4 11	15 21.53	+ 8 30.0	2.858	3.724	8.9	19.2
4 21	15 15.88	+ 9 53.5	2.822	3.729	7.6	19.2
5 1	15 9.30	+11 5.3	2.812	3.734	7.2	19.1
5 11	15 2.34	+12 1.1	2.829	3.738	7.8	19.2
5 21	14 55.57	+12 38.3	2.872	3.742	9.1	19.3
5 31	14 49.55	+12 55.7	2.939	3.745	10.6	19.4
6 10	14 44.72	+12 54.3	3.027	3.748	12.2	19.5

317575 2002 VZ_{142} 5 8.9 273.°44 3.°1/ 6.9 17

4 1	15 29.73	−12 34.4	1.727	2.558	15.2	21.3
4 11	15 25.94	−11 50.3	1.628	2.538	11.9	21.0
4 21	15 19.58	−10 58.8	1.551	2.517	8.1	20.7
5 1	15 11.21	−10 3.9	1.498	2.496	4.2	20.4
5 11	15 1.77	− 9 10.8	1.472	2.475	3.7	20.4
5 21	14 52.39	− 8 25.3	1.472	2.453	7.5	20.5
5 31	14 44.19	− 7 52.7	1.498	2.431	11.9	20.7
6 10	14 38.09	− 7 36.5	1.544	2.410	15.8	20.9

160737 2000 RL_{34} 5 8.9 244.°85 0.°8/ 9.3 17

4 1	15 31.60	−22 10.1	1.704	2.515	16.2	20.0
4 11	15 27.51	−21 44.0	1.607	2.503	12.9	19.8
4 21	15 20.66	−21 3.3	1.531	2.490	8.8	19.5
5 1	15 11.69	−20 9.0	1.479	2.476	4.2	19.2
5 11	15 1.65	−19 4.4	1.453	2.463	1.1	18.9
5 21	14 51.77	−17 55.5	1.455	2.448	5.9	19.2
5 31	14 43.25	−16 49.3	1.483	2.434	10.6	19.5
6 10	14 37.03	−15 52.6	1.533	2.419	14.8	19.7

419106 2009 SG_{179} 5 8.9 121.°94 7.°3/ 3.4 17

4 1	15 28.99	− 1 8.1	1.864	2.692	14.3	21.0
4 11	15 24.72	+ 0 16.7	1.802	2.701	11.5	20.8
4 21	15 18.32	+ 1 38.3	1.763	2.709	8.9	20.7
5 1	15 10.46	+ 2 49.8	1.749	2.717	7.3	20.6
5 11	15 2.03	+ 3 44.5	1.761	2.725	7.9	20.7
5 21	14 53.96	+ 4 18.1	1.799	2.732	10.1	20.8
5 31	14 47.11	+ 4 28.8	1.860	2.740	12.8	21.0
6 10	14 42.09	+ 4 17.4	1.942	2.747	15.4	21.2

325856 2010 TL_{84} 5 8.9 235.°35 2.°5/10.1 17

4 1	15 34.66	−23 13.3	1.780	2.580	16.1	21.6
4 11	15 29.89	−23 36.3	1.684	2.571	12.9	21.3
4 21	15 22.29	−23 49.0	1.609	2.561	9.1	21.1
5 1	15 12.45	−23 49.7	1.559	2.552	5.0	20.8
5 11	15 1.44	−23 39.0	1.535	2.541	2.5	20.6
5 21	14 50.52	−23 19.0	1.538	2.531	5.8	20.8
5 31	14 40.94	−22 54.5	1.568	2.520	10.1	21.0
6 10	14 33.69	−22 31.1	1.620	2.509	14.0	21.2

352019 2006 VA_{17} 5 8.9 101.°69 0.°7/ 9.3 17

4 1	15 30.49	−19 13.5	2.351	3.151	12.6	21.0
4 11	15 25.69	−19 27.0	2.267	3.157	9.9	20.8
4 21	15 18.93	−19 34.1	2.206	3.163	6.7	20.6
5 1	15 10.75	−19 35.4	2.172	3.169	3.2	20.4
5 11	15 1.94	−19 31.8	2.166	3.175	0.9	20.2
5 21	14 53.34	−19 25.4	2.189	3.181	4.3	20.5
5 31	14 45.74	−19 18.9	2.239	3.187	7.7	20.7
6 10	14 39.78	−19 15.1	2.314	3.192	10.8	20.9

433437 2013 TF_{118} 5 8.9 185.°78 4.°9/12.3 17

4 1	15 34.85	−32 20.8	2.357	3.105	14.0	22.4
4 11	15 29.42	−32 50.5	2.261	3.106	11.7	22.2
4 21	15 21.61	−33 6.4	2.187	3.105	9.0	22.1
5 1	15 12.03	−33 6.1	2.138	3.104	6.4	21.9
5 11	15 1.58	−32 48.9	2.116	3.102	4.9	21.8
5 21	14 51.30	−32 16.7	2.122	3.100	5.8	21.9
5 31	14 42.20	−31 33.8	2.155	3.097	8.3	22.0
6 10	14 35.05	−30 46.0	2.213	3.093	11.1	22.2

419649 2010 TX_{41} 5 8.9 151.°48 1.°5/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 32.77	−22 10.2	1.720	2.528	16.2	22.1
4 11	15 28.24	−22 11.3	1.639	2.532	12.8	21.8
4 21	15 21.01	−22 0.7	1.578	2.535	8.8	21.6
5 1	15 11.79	−21 38.6	1.542	2.538	4.4	21.4
5 11	15 1.66	−21 7.0	1.532	2.541	1.6	21.2
5 21	14 51.84	−20 29.9	1.549	2.543	5.5	21.4
5 31	14 43.46	−19 52.8	1.592	2.545	9.9	21.7
6 10	14 37.38	−19 21.1	1.658	2.547	13.7	21.9

357717 2005 QO_{78} 5 8.9 207.°42 5.°4/13.7 18

4 1	15 32.66	−37 48.8	3.154	3.861	11.6	22.2
4 11	15 27.30	−38 24.5	3.049	3.855	10.0	22.1
4 21	15 20.00	−38 47.5	2.965	3.848	8.1	22.0
5 1	15 11.27	−38 55.4	2.906	3.841	6.4	21.8
5 11	15 1.80	−38 47.4	2.874	3.834	5.4	21.8
5 21	14 52.40	−38 24.4	2.870	3.826	5.8	21.8
5 31	14 43.87	−37 49.0	2.894	3.817	7.2	21.8
6 10	14 36.87	−37 5.7	2.943	3.808	9.1	22.0

60747 2000 GW_{95} 5 8.9 332.°93 3.°9/10.4 17

4 1	15 28.80	−24 3.9	1.153	1.992	20.6	18.5
4 11	15 26.69	−24 41.0	1.072	1.980	16.7	18.2
4 21	15 20.89	−25 3.9	1.009	1.969	12.0	17.9
5 1	15 12.05	−25 9.7	0.966	1.959	6.9	17.6
5 11	15 1.54	−24 58.1	0.945	1.950	3.9	17.4
5 21	14 51.15	−24 32.2	0.946	1.942	7.6	17.6
5 31	14 42.68	−23 59.3	0.969	1.935	12.9	17.8
6 10	14 37.42	−23 27.9	1.011	1.929	17.9	18.1

163077 2002 AP_{20} 5 8.9 216.°03 1.°4/ 9.8 18

4 1	15 32.73	−23 31.6	1.733	2.538	16.2	19.7
4 11	15 28.30	−23 12.7	1.641	2.532	12.9	19.5
4 21	15 21.13	−22 39.1	1.570	2.526	9.0	19.2
5 1	15 11.88	−21 51.2	1.523	2.519	4.5	18.9
5 11	15 1.63	−20 52.0	1.503	2.511	1.6	18.7
5 21	14 51.62	−19 46.7	1.510	2.503	5.7	18.9
5 31	14 43.02	−18 42.5	1.543	2.495	10.2	19.2
6 10	14 36.73	−17 45.9	1.599	2.486	14.2	19.4

466818 2015 BU_{148} 5 8.9 184.°24 4.°5/ 6.0 17

4 1	15 30.35	− 7 1.3	1.921	2.747	14.1	21.3
4 11	15 25.86	− 6 20.7	1.843	2.747	11.0	21.1
4 21	15 19.17	− 5 39.4	1.787	2.747	7.7	20.9
5 1	15 10.90	− 5 2.0	1.757	2.747	4.9	20.7
5 11	15 1.92	− 4 33.0	1.754	2.746	4.9	20.7
5 21	14 53.20	− 4 16.1	1.778	2.745	7.7	20.9
5 31	14 45.66	− 4 13.9	1.827	2.744	11.1	21.1
6 10	14 39.97	− 4 26.9	1.898	2.743	14.2	21.3

511960 2015 KW_{9} 5 8.9 297.°48 7.°6/ 3.9 17

4 1	15 29.09	+ 3 43.6	2.101	2.917	13.4	21.3
4 11	15 24.73	+ 4 26.7	2.023	2.909	11.1	21.1
4 21	15 18.36	+ 5 2.3	1.967	2.900	8.9	21.0
5 1	15 10.52	+ 5 25.0	1.935	2.892	7.6	20.9
5 11	15 2.03	+ 5 30.4	1.929	2.884	8.0	20.9
5 21	14 53.73	+ 5 16.1	1.949	2.876	9.9	21.0
5 31	14 46.45	+ 4 41.5	1.993	2.868	12.3	21.1
6 10	14 40.85	+ 3 48.3	2.059	2.860	14.8	21.3

503777 2016 QV_{65} 5 8.9 222.°54 3.°6/ 5.8 18

4 1	15 26.22	− 9 22.0	2.260	3.084	12.3	21.5
4 11	15 22.37	− 8 24.7	2.177	3.082	9.5	21.3
4 21	15 16.70	− 7 24.3	2.118	3.080	6.5	21.1
5 1	15 9.75	− 6 24.8	2.086	3.078	4.0	20.9
5 11	15 2.24	− 5 31.0	2.081	3.075	4.1	20.9
5 21	14 54.94	− 4 47.0	2.105	3.073	6.7	21.1
5 31	14 48.58	− 4 16.2	2.154	3.070	9.7	21.2
6 10	14 43.74	− 4 0.1	2.226	3.067	12.5	21.4

317930 2003 UW_{388} 5 8.9 103.°55 3.°3/ 7.0 18

4 1	15 34.10	−10 36.5	1.711	2.535	15.6	22.1
4 11	15 28.81	−10 4.2	1.649	2.554	12.1	21.9
4 21	15 21.10	− 9 29.1	1.610	2.573	8.1	21.8
5 1	15 11.71	− 8 55.2	1.596	2.592	4.3	21.6
5 11	15 1.73	− 8 26.7	1.609	2.610	3.8	21.6
5 21	14 52.25	− 8 7.5	1.649	2.628	7.1	21.8
5 31	14 44.25	− 8 0.5	1.715	2.645	10.9	22.1
6 10	14 38.40	− 8 6.8	1.803	2.662	14.2	22.3

98091 2000 RK_{73} 5 8.9 170.°20 1.°9/ 9.9 18

4 1	15 35.57	−23 5.7	1.935	2.728	15.2	20.9
4 11	15 30.14	−23 12.5	1.849	2.733	12.1	20.6
4 21	15 22.16	−23 8.2	1.785	2.736	8.4	20.4
5 1	15 12.29	−22 52.4	1.746	2.739	4.4	20.2
5 11	15 1.55	−22 26.6	1.734	2.741	1.9	20.0
5 21	14 51.07	−21 53.9	1.751	2.743	5.2	20.2
5 31	14 41.95	−21 19.2	1.794	2.744	9.2	20.5
6 10	14 34.99	−20 47.7	1.862	2.744	12.8	20.7

149091 2002 CW_{136} 5 8.9 192.°72 6.°4/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 25.99	+ 2 39.5	2.628	3.441	11.1	20.4
4 11	15 21.88	+ 3 46.5	2.555	3.439	9.1	20.2
4 21	15 16.23	+ 4 48.8	2.507	3.438	7.4	20.1
5 1	15 9.50	+ 5 41.6	2.484	3.436	6.5	20.0
5 11	15 2.32	+ 6 20.6	2.489	3.434	7.0	20.1
5 21	14 55.33	+ 6 43.0	2.520	3.432	8.5	20.2
5 31	14 49.14	+ 6 47.4	2.576	3.430	10.5	20.3
6 10	14 44.26	+ 6 34.4	2.653	3.427	12.5	20.4

501234 2013 VK_{6} 5 8.9 160.°30 1.°5/10.1 17

4 1	15 30.67	−24 39.1	2.384	3.169	12.9	22.4
4 11	15 25.80	−24 18.3	2.297	3.175	10.2	22.2
4 21	15 18.97	−23 45.9	2.232	3.181	7.1	22.0
5 1	15 10.76	−23 2.4	2.193	3.186	3.7	21.8
5 11	15 1.98	−22 10.4	2.183	3.190	1.6	21.6
5 21	14 53.47	−21 13.5	2.202	3.194	4.3	21.8
5 31	14 46.04	−20 16.7	2.249	3.198	7.6	22.0
6 10	14 40.28	−19 24.4	2.322	3.201	10.7	22.2

352531 2008 CF_{155} 5 8.9 110.°77 4.°6/ 4.9 17

4 1	15 27.70	− 3 5.7	2.601	3.416	11.1	21.5
4 11	15 23.09	− 2 21.2	2.537	3.432	8.8	21.4
4 21	15 16.96	− 1 39.0	2.498	3.448	6.4	21.3
5 1	15 9.79	− 1 3.0	2.485	3.463	4.8	21.2
5 11	15 2.26	− 0 36.4	2.501	3.478	5.0	21.2
5 21	14 55.00	− 0 21.6	2.544	3.492	6.8	21.4
5 31	14 48.62	− 0 20.1	2.614	3.507	9.1	21.5
6 10	14 43.59	− 0 31.7	2.707	3.521	11.3	21.7

311586 2006 HV_{96} 5 8.9 212.°78 0.°1/ 8.9 16

4 1	15 32.57	−20 21.3	1.874	2.681	15.1	21.7
4 11	15 27.91	−19 53.5	1.780	2.675	11.9	21.5
4 21	15 20.73	−19 13.9	1.708	2.668	8.0	21.3
5 1	15 11.68	−18 23.9	1.661	2.660	3.7	21.0
5 11	15 1.73	−17 27.0	1.642	2.651	1.0	20.7
5 21	14 51.98	−16 28.4	1.651	2.642	5.6	21.0
5 31	14 43.50	−15 33.9	1.686	2.633	9.9	21.3
6 10	14 37.12	−14 48.8	1.745	2.622	13.7	21.5

208543 2002 AK_{84} 5 8.9 153.°19 0.°2/ 8.9 16

4 1	15 32.06	−20 55.5	1.596	2.414	16.8	20.6
4 11	15 27.78	−20 24.0	1.518	2.418	13.2	20.4
4 21	15 20.74	−19 38.7	1.460	2.422	8.9	20.1
5 1	15 11.67	−18 41.7	1.426	2.425	4.1	19.9
5 11	15 1.74	−17 37.4	1.419	2.428	1.0	19.6
5 21	14 52.19	−16 32.1	1.438	2.431	6.0	20.0
5 31	14 44.18	−15 32.7	1.483	2.433	10.7	20.3
6 10	14 38.55	−14 45.1	1.550	2.435	14.7	20.5

502271 2015 BQ_{126} 5 8.9 179.°53 1.°1/ 8.2 17

4 1	15 31.16	−16 0.8	1.955	2.771	14.2	22.7
4 11	15 26.56	−15 40.9	1.871	2.772	11.1	22.5
4 21	15 19.69	−15 14.1	1.809	2.772	7.4	22.2
5 1	15 11.16	−14 42.4	1.773	2.773	3.3	22.0
5 11	15 1.88	−14 9.3	1.764	2.772	1.6	21.9
5 21	14 52.84	−13 38.4	1.784	2.772	5.6	22.1
5 31	14 45.00	−13 13.8	1.829	2.771	9.5	22.4
6 10	14 39.08	−12 58.7	1.898	2.770	13.0	22.6

508723 2017 UL_{27} 5 8.9 160.°49 1.°8/ 7.5 17

4 1	15 29.08	−14 13.7	2.152	2.969	13.1	22.1
4 11	15 24.68	−13 40.4	2.071	2.973	10.1	21.9
4 21	15 18.29	−13 1.5	2.012	2.976	6.7	21.7
5 1	15 10.48	−12 19.8	1.980	2.978	3.2	21.5
5 11	15 2.07	−11 38.8	1.975	2.981	2.3	21.4
5 21	14 53.91	−11 2.5	1.999	2.983	5.6	21.6
5 31	14 46.80	−10 34.5	2.049	2.985	9.1	21.8
6 10	14 41.39	−10 17.2	2.124	2.986	12.2	22.0

31530 1999 CQ_{128} 5 8.9 114.°59 4.°2/ 6.7 18

4 1	15 34.28	− 6 19.0	1.876	2.695	14.6	18.1
4 11	15 28.83	− 6 4.1	1.807	2.707	11.4	17.9
4 21	15 21.09	− 5 50.9	1.760	2.718	7.9	17.8
5 1	15 11.74	− 5 42.7	1.739	2.730	4.9	17.6
5 11	15 1.74	− 5 42.8	1.746	2.741	4.5	17.6
5 21	14 52.11	− 5 53.5	1.780	2.751	7.4	17.8
5 31	14 43.79	− 6 15.8	1.840	2.761	10.7	18.0
6 10	14 37.47	− 6 49.9	1.923	2.771	13.9	18.2

470138 2006 UD_{53} 5 8.9 178.°25 0.°7/ 8.3 17

4 1	15 27.86	−16 20.9	2.732	3.536	11.0	22.5
4 11	15 23.35	−16 2.2	2.643	3.537	8.5	22.3
4 21	15 17.23	−15 38.1	2.577	3.538	5.6	22.2
5 1	15 9.98	−15 10.3	2.539	3.538	2.5	21.9
5 11	15 2.22	−14 41.2	2.530	3.538	1.1	21.8
5 21	14 54.63	−14 13.4	2.550	3.538	4.2	22.1
5 31	14 47.86	−13 49.6	2.599	3.538	7.2	22.2
6 10	14 42.44	−13 32.2	2.672	3.537	9.9	22.4

52621 1997 VW_{4} 5 8.9 38.°13 0.°2/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 35.49	−14 41.1	1.502	2.328	17.3	17.3
4 11	15 30.60	−15 18.9	1.431	2.336	13.5	17.1
4 21	15 22.72	−15 54.0	1.380	2.345	9.0	16.9
5 1	15 12.62	−16 26.0	1.354	2.353	4.1	16.6
5 11	15 1.49	−16 55.4	1.353	2.363	1.2	16.4
5 21	14 50.71	−17 23.1	1.380	2.373	6.2	16.8
5 31	14 41.57	−17 51.2	1.431	2.383	10.9	17.0
6 10	14 34.99	−18 22.2	1.505	2.393	14.9	17.3

414802 2010 SK_{19} 5 8.9 129.°86 1.°5/ 7.9 17

4 1	15 32.40	−15 21.7	1.842	2.660	14.9	22.1
4 11	15 27.52	−14 53.1	1.769	2.671	11.5	21.9
4 21	15 20.29	−14 17.5	1.718	2.682	7.6	21.7
5 1	15 11.40	−13 37.8	1.693	2.692	3.5	21.4
5 11	15 1.84	−12 57.9	1.695	2.702	2.1	21.3
5 21	14 52.66	−12 22.1	1.725	2.711	6.0	21.6
5 31	14 44.81	−11 54.6	1.780	2.720	9.9	21.9
6 10	14 39.00	−11 38.3	1.859	2.728	13.4	22.1

173768 2001 RB_{143} 5 8.9 172.°96 0.°5/ 8.4 18

4 1	15 27.29	−18 49.3	2.437	3.243	12.1	20.2
4 11	15 23.11	−18 9.9	2.349	3.245	9.4	20.0
4 21	15 17.16	−17 21.8	2.285	3.246	6.2	19.8
5 1	15 9.96	−16 27.3	2.248	3.247	2.7	19.6
5 11	15 2.23	−15 29.8	2.239	3.248	1.0	19.5
5 21	14 54.73	−14 33.4	2.259	3.248	4.5	19.7
5 31	14 48.17	−13 42.3	2.307	3.249	7.9	19.9
6 10	14 43.11	−12 59.9	2.380	3.249	10.8	20.1

238727 2005 GK_{86} 5 8.9 280.°02 1.°6/ 7.8 17

4 1	15 28.25	−14 29.9	2.043	2.864	13.5	20.9
4 11	15 24.26	−14 7.8	1.955	2.859	10.5	20.7
4 21	15 18.15	−13 40.2	1.889	2.854	7.0	20.5
5 1	15 10.48	−13 9.3	1.849	2.848	3.2	20.2
5 11	15 2.08	−12 38.5	1.836	2.843	2.0	20.1
5 21	14 53.86	−12 11.4	1.851	2.837	5.7	20.4
5 31	14 46.71	−11 51.5	1.892	2.832	9.4	20.6
6 10	14 41.32	−11 41.7	1.956	2.827	12.7	20.8

338549 2003 SV_{40} 5 8.9 181.°76 1.°8/10.5 18

4 1	15 29.83	−26 13.7	2.534	3.311	12.4	21.5
4 11	15 25.10	−25 49.4	2.439	3.312	9.9	21.3
4 21	15 18.50	−25 12.8	2.367	3.313	7.0	21.1
5 1	15 10.57	−24 24.3	2.322	3.312	3.9	20.9
5 11	15 2.07	−23 26.3	2.306	3.312	1.8	20.7
5 21	14 53.81	−22 22.4	2.318	3.311	4.1	20.9
5 31	14 46.55	−21 17.5	2.360	3.309	7.3	21.1
6 10	14 40.88	−20 16.4	2.427	3.307	10.3	21.3

311356 2005 RY_{42} 5 8.9 237.°23 1.°2/ 9.8 18

4 1	15 28.84	−22 6.0	2.660	3.450	11.6	22.0
4 11	15 24.35	−22 8.3	2.558	3.440	9.2	21.8
4 21	15 18.04	−22 2.9	2.478	3.430	6.3	21.6
5 1	15 10.40	−21 49.7	2.425	3.420	3.2	21.4
5 11	15 2.11	−21 30.1	2.401	3.409	1.3	21.2
5 21	14 53.90	−21 6.3	2.406	3.398	4.0	21.4
5 31	14 46.53	−20 41.2	2.439	3.387	7.2	21.6
6 10	14 40.60	−20 18.3	2.497	3.375	10.1	21.8

239844 1999 TP_{132} 5 8.9 225.°52 0.°9/ 9.7 18

4 1	15 27.81	−21 51.9	2.978	3.764	10.6	21.6
4 11	15 23.32	−21 44.3	2.872	3.754	8.3	21.4
4 21	15 17.25	−21 29.2	2.791	3.743	5.7	21.3
5 1	15 10.01	−21 7.1	2.737	3.732	2.8	21.0
5 11	15 2.23	−20 39.4	2.713	3.721	1.0	20.9
5 21	14 54.53	−20 8.5	2.717	3.709	3.6	21.1
5 31	14 47.57	−19 37.2	2.751	3.697	6.5	21.2
6 10	14 41.88	−19 8.7	2.810	3.684	9.2	21.4

468483 2004 TV_{139} 5 8.9 192.°73 0.°5/ 8.4 17

4 1	15 29.53	−18 54.8	2.538	3.336	11.8	22.6
4 11	15 24.78	−18 9.5	2.443	3.334	9.2	22.4
4 21	15 18.25	−17 15.2	2.372	3.332	6.1	22.2
5 1	15 10.46	−16 14.0	2.329	3.328	2.7	21.9
5 11	15 2.12	−15 9.6	2.316	3.324	1.1	21.8
5 21	14 53.99	−14 6.0	2.332	3.319	4.6	22.0
5 31	14 46.78	−13 7.7	2.376	3.314	7.9	22.2
6 10	14 41.08	−12 18.5	2.446	3.308	10.8	22.4

245779 2006 GF_{35} 5 8.9 353.°10 3.°8/ 6.8 18

4 1	15 24.55	−13 29.5	1.102	1.968	19.5	19.6
4 11	15 22.93	−12 35.5	1.033	1.962	15.2	19.3
4 21	15 18.02	−11 30.9	0.984	1.958	10.2	19.0
5 1	15 10.62	−10 22.1	0.955	1.955	5.2	18.7
5 11	15 2.06	− 9 17.8	0.948	1.952	4.6	18.6
5 21	14 53.87	− 8 26.5	0.964	1.951	9.4	18.9
5 31	14 47.49	− 7 55.1	1.001	1.952	14.5	19.2
6 10	14 43.90	− 7 46.8	1.056	1.953	19.1	19.4

180572 2004 ER_{102} 5 8.9 201°.24 1°.7/ 7.7 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.95	−14 24.0	2.124	2.936	13.4	22.0
4 11	15 27.02	−13 55.0	2.033	2.932	10.4	21.7
4 21	15 19.95	−13 19.9	1.965	2.927	6.9	21.5
5 1	15 11.29	−12 41.4	1.923	2.922	3.2	21.3
5 11	15 1.89	−12 2.9	1.910	2.916	2.2	21.2
5 21	14 52.69	−11 28.2	1.925	2.909	5.7	21.4
5 31	14 44.56	−11 1.2	1.967	2.902	9.4	21.6
6 10	14 38.23	−10 44.7	2.033	2.893	12.7	21.8

512577 2016 SD_{37} 5 8.9 287°.18 4°.6/11.9 17

4 1	15 30.25	−30 42.9	2.277	3.044	14.0	21.3
4 11	15 26.01	−31 14.3	2.176	3.034	11.6	21.1
4 21	15 19.46	−31 33.0	2.097	3.024	8.8	20.9
5 1	15 11.14	−31 36.8	2.042	3.014	6.1	20.7
5 11	15 1.92	−31 25.3	2.013	3.004	4.6	20.6
5 21	14 52.76	−30 59.9	2.012	2.994	5.7	20.7
5 31	14 44.68	−30 24.6	2.037	2.984	8.4	20.8
6 10	14 38.45	−29 44.8	2.087	2.974	11.3	21.0

101683 1999 CX_{111} 5 8.9 11°.23 6°.3/ 4.5 17

4 1	15 24.83	− 8 28.3	1.386	2.241	16.9	18.7
4 11	15 22.31	− 6 50.4	1.321	2.242	13.2	18.4
4 21	15 17.14	− 5 7.1	1.278	2.245	9.3	18.2
5 1	15 10.08	− 3 27.3	1.259	2.248	6.5	18.1
5 11	15 2.24	− 2 0.8	1.264	2.252	7.1	18.1
5 21	14 54.80	− 0 55.5	1.293	2.256	10.4	18.3
5 31	14 48.84	− 0 16.1	1.344	2.261	14.2	18.5
6 10	14 45.12	− 0 3.7	1.414	2.267	17.7	18.8

498159 2007 TZ_{131} 5 8.9 270°.00 0°.2/ 8.8 17

4 1	15 32.88	−17 54.4	1.616	2.437	16.5	23.0
4 11	15 28.81	−17 48.4	1.513	2.416	13.1	22.7
4 21	15 21.78	−17 33.2	1.431	2.395	8.9	22.4
5 1	15 12.35	−17 9.7	1.373	2.372	4.0	22.0
5 11	15 1.57	−16 40.5	1.341	2.350	1.2	21.8
5 21	14 50.73	−16 9.7	1.335	2.327	6.5	22.1
5 31	14 41.20	−15 42.7	1.354	2.304	11.5	22.3
6 10	14 34.06	−15 24.7	1.395	2.280	16.0	22.5

519387 2011 RC_{21} 5 8.9 108°.90 6°.0/14.0 17

4 1	15 33.20	−37 53.5	2.663	3.380	13.3	22.3
4 11	15 27.92	−38 32.0	2.581	3.394	11.4	22.2
4 21	15 20.49	−38 55.5	2.520	3.408	9.2	22.1
5 1	15 11.51	−39 1.2	2.484	3.421	7.2	22.0
5 11	15 1.85	−38 48.7	2.473	3.435	6.1	21.9
5 21	14 52.44	−38 19.3	2.490	3.448	6.4	22.0
5 31	14 44.18	−37 37.1	2.533	3.461	7.9	22.1
6 10	14 37.73	−36 47.2	2.602	3.473	9.9	22.2

202464 2006 AT_{15} 5 8.9 306°.08 3°.8/11.2 16

4 1	15 29.99	−28 25.2	1.311	2.127	19.9	20.3
4 11	15 27.15	−28 16.4	1.228	2.121	16.2	20.1
4 21	15 20.88	−27 45.0	1.163	2.115	11.8	19.8
5 1	15 11.94	−26 49.3	1.119	2.109	7.0	19.5
5 11	15 1.72	−25 31.9	1.099	2.104	3.8	19.3
5 21	14 51.82	−24 0.0	1.103	2.098	6.9	19.4
5 31	14 43.79	−22 24.5	1.130	2.093	11.9	19.7
6 10	14 38.70	−20 56.5	1.178	2.088	16.5	19.9

430807 2005 CY_{31} 5 8.9 145°.44 0°.9/ 8.3 17

4 1	15 29.46	−16 11.6	2.097	2.912	13.5	21.9
4 11	15 25.09	−15 54.6	2.014	2.914	10.4	21.7
4 21	15 18.64	−15 31.4	1.954	2.917	6.9	21.5
5 1	15 10.69	−15 3.6	1.920	2.920	3.1	21.3
5 11	15 2.08	−14 34.4	1.914	2.922	1.4	21.1
5 21	14 53.71	−14 7.1	1.935	2.924	5.2	21.4
5 31	14 46.43	−13 45.1	1.984	2.926	8.9	21.6
6 10	14 40.92	−13 31.5	2.056	2.928	12.1	21.8

395262 2010 RA_{85} 5 8.9 257°.00 4°.4/ 4.9 16

4 1	15 25.55	− 5 17.3	2.521	3.342	11.2	21.5
4 11	15 21.72	− 4 22.4	2.432	3.332	8.9	21.3
4 21	15 16.24	− 3 27.0	2.367	3.322	6.4	21.2
5 1	15 9.59	− 2 35.4	2.330	3.312	4.6	21.0
5 11	15 2.39	− 1 51.7	2.320	3.302	4.9	21.0
5 21	14 55.33	− 1 19.3	2.338	3.292	7.0	21.1
5 31	14 49.07	− 1 0.9	2.382	3.281	9.6	21.3
6 10	14 44.16	− 0 57.2	2.448	3.270	12.1	21.4

141927 2002 PY_{86} 5 8.9 279°.42 1°.9/ 9.9 17

4 1	15 31.44	−22 56.6	1.668	2.479	16.5	20.4
4 11	15 27.70	−22 58.0	1.562	2.457	13.3	20.1
4 21	15 21.04	−22 46.6	1.477	2.434	9.3	19.8
5 1	15 12.03	−22 21.5	1.416	2.411	4.8	19.5
5 11	15 1.69	−21 44.4	1.380	2.388	1.9	19.2
5 21	14 51.30	−20 59.1	1.370	2.365	6.0	19.4
5 31	14 42.21	−20 11.6	1.386	2.341	10.8	19.6
6 10	14 35.49	−19 29.0	1.424	2.317	15.2	19.8

99776 2002 JP_{114} 5 8.9 271°.41 5°.2/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.69	− 3 47.3	1.965	2.788	13.9	19.3
4 11	15 26.21	− 3 18.9	1.878	2.778	11.0	19.1
4 21	15 19.51	− 2 53.1	1.813	2.768	8.0	18.9
5 1	15 11.14	− 2 34.1	1.773	2.757	5.6	18.7
5 11	15 1.98	− 2 26.1	1.760	2.746	5.7	18.7
5 21	14 52.96	− 2 31.9	1.774	2.736	8.2	18.8
5 31	14 45.02	− 2 53.2	1.813	2.725	11.5	19.0
6 10	14 38.91	− 3 29.8	1.875	2.714	14.5	19.2

498685 2008 SX_{261} 5 8.9 175°.16 1°.8/ 9.9 17

4 1	15 31.55	−22 39.5	1.987	2.787	14.6	21.8
4 11	15 27.02	−22 52.1	1.900	2.787	11.6	21.6
4 21	15 20.11	−22 54.7	1.834	2.787	8.1	21.4
5 1	15 11.43	−22 47.1	1.794	2.788	4.2	21.2
5 11	15 1.91	−22 30.5	1.781	2.788	1.9	21.0
5 21	14 52.59	−22 7.5	1.795	2.788	5.0	21.2
5 31	14 44.49	−21 42.3	1.836	2.788	8.8	21.4
6 10	14 38.39	−21 19.6	1.901	2.788	12.3	21.7

87252 2000 OM_{50} 5 8.9 230°.24 4°.8/12.2 18

4 1	15 35.20	−32 39.8	2.524	3.266	13.4	20.2
4 11	15 29.73	−33 10.3	2.412	3.251	11.2	20.0
4 21	15 21.91	−33 27.9	2.321	3.235	8.7	19.8
5 1	15 12.28	−33 30.1	2.256	3.219	6.3	19.6
5 11	15 1.67	−33 15.7	2.218	3.202	4.9	19.5
5 21	14 51.06	−32 46.1	2.208	3.184	5.8	19.5
5 31	14 41.46	−32 4.9	2.227	3.166	8.2	19.6
6 10	14 33.70	−31 17.6	2.270	3.147	11.0	19.8

418997 2009 OP_{10} 5 8.9 314°.10 8°.3/24.4 18

4 1	15 22.30	+25 6.9	4.039	4.756	9.1	19.9
4 11	15 18.65	+26 0.7	3.984	4.745	8.6	19.9
4 21	15 13.93	+26 42.6	3.950	4.735	8.3	19.8
5 1	15 8.48	+27 9.1	3.939	4.725	8.4	19.8
5 11	15 2.73	+27 18.0	3.949	4.715	8.7	19.8
5 21	14 57.11	+27 8.5	3.981	4.705	9.4	19.9
5 31	14 52.04	+26 40.8	4.031	4.696	10.1	19.9
6 10	14 47.87	+25 56.4	4.100	4.686	10.8	20.0

62934 2000 VS_{21} 5 8.9 350°.86 0°.6/ 8.5 18

4 1	15 28.15	−16 10.4	2.087	2.905	13.4	19.2
4 11	15 24.17	−16 8.5	2.002	2.903	10.4	19.0
4 21	15 18.10	−16 1.1	1.938	2.901	6.9	18.8
5 1	15 10.50	−15 49.7	1.900	2.900	3.1	18.5
5 11	15 2.18	−15 36.4	1.889	2.898	1.1	18.4
5 21	14 54.05	−15 24.0	1.906	2.897	5.0	18.6
5 31	14 46.96	−15 15.4	1.950	2.897	8.8	18.9
6 10	14 41.61	−15 13.4	2.017	2.896	12.1	19.1

47480 2000 AE_{12} 5 8.9 156°.04 1°.7/ 9.8 18

4 1	15 35.81	−22 19.2	1.557	2.367	17.6	19.8
4 11	15 30.90	−22 21.9	1.479	2.372	13.9	19.5
4 21	15 22.98	−22 11.9	1.421	2.377	9.6	19.3
5 1	15 12.78	−21 48.9	1.386	2.382	4.8	19.0
5 11	15 1.57	−21 15.1	1.377	2.386	1.8	18.8
5 21	14 50.72	−20 35.0	1.395	2.389	6.0	19.1
5 31	14 41.53	−19 54.7	1.439	2.392	10.7	19.4
6 10	14 34.94	−19 20.4	1.505	2.395	14.8	19.6

290450 2005 TR_{145} 5 8.9 316°.66 1°.8/ 7.7 17

4 1	15 27.41	−13 5.2	2.094	2.917	13.2	20.5
4 11	15 23.61	−12 51.3	2.002	2.907	10.2	20.3
4 21	15 17.75	−12 33.5	1.933	2.898	6.8	20.1
5 1	15 10.36	−12 14.0	1.889	2.888	3.3	19.8
5 11	15 2.22	−11 55.8	1.873	2.879	2.2	19.7
5 21	14 54.21	−11 41.8	1.885	2.870	5.7	19.9
5 31	14 47.19	−11 35.1	1.922	2.862	9.3	20.1
6 10	14 41.87	−11 37.7	1.983	2.854	12.6	20.3

141193 2001 XD_{184} 5 8.9 121°.83 4°.7/ 4.9 18

4 1	15 27.39	− 3 2.9	2.586	3.402	11.2	20.6
4 11	15 22.93	− 2 17.7	2.518	3.413	8.8	20.5
4 21	15 16.92	− 1 34.9	2.474	3.424	6.5	20.3
5 1	15 9.85	− 0 58.0	2.457	3.434	4.8	20.2
5 11	15 2.38	− 0 30.6	2.468	3.444	5.1	20.3
5 21	14 55.15	− 0 15.3	2.507	3.454	6.9	20.4
5 31	14 48.79	− 0 13.3	2.571	3.464	9.2	20.6
6 10	14 43.78	− 0 24.9	2.659	3.473	11.5	20.7

42986 1999 TP_{231} 5 8.9 1°.71 8°.9/ 3.2 18

4 1	15 25.10	− 0 16.4	1.442	2.293	16.6	17.8
4 11	15 22.43	+ 1 7.6	1.380	2.291	13.5	17.6
4 21	15 17.21	+ 2 27.1	1.339	2.291	10.6	17.4
5 1	15 10.14	+ 3 33.0	1.320	2.291	8.9	17.3
5 11	15 2.29	+ 4 17.3	1.325	2.292	9.6	17.3
5 21	14 54.80	+ 4 35.1	1.353	2.294	12.1	17.5
5 31	14 48.70	+ 4 24.6	1.401	2.297	15.2	17.7
6 10	14 44.77	+ 3 48.1	1.468	2.300	18.2	17.9

140547 2001 TA_{195} 5 8.9 288°.59 4°.5/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 28.96	− 5 16.2	2.101	2.925	13.1	19.0
4 11	15 24.72	− 4 49.3	2.014	2.916	10.3	18.8
4 21	15 18.44	− 4 23.7	1.950	2.908	7.4	18.6
5 1	15 10.65	− 4 3.2	1.912	2.899	4.9	18.4
5 11	15 2.15	− 3 51.6	1.901	2.891	4.9	18.4
5 21	14 53.81	− 3 51.7	1.917	2.882	7.4	18.5
5 31	14 46.47	− 4 5.3	1.959	2.874	10.5	18.7
6 10	14 40.81	− 4 32.5	2.023	2.866	13.5	18.9

338086 2002 PM_{169} 5 8.9 255°.10 1°.9/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.23	−23 31.3	2.136	2.931	13.9	21.6
4 11	15 25.94	−23 37.6	2.038	2.922	11.1	21.4
4 21	15 19.39	−23 33.5	1.962	2.913	7.8	21.1
5 1	15 11.13	−23 18.9	1.911	2.904	4.2	20.9
5 11	15 2.02	−22 54.8	1.887	2.894	1.9	20.7
5 21	14 53.02	−22 24.1	1.891	2.884	4.8	20.9
5 31	14 45.10	−21 51.0	1.922	2.874	8.5	21.1
6 10	14 39.01	−21 20.1	1.978	2.864	11.9	21.3

108306 2001 JZ 5 8.9 258°.23 4°.6/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.73	− 5 30.5	2.155	2.978	12.8	19.7
4 11	15 24.50	− 4 51.0	2.066	2.967	10.1	19.5
4 21	15 18.28	− 4 11.7	1.999	2.956	7.3	19.3
5 1	15 10.58	− 3 36.8	1.959	2.944	5.0	19.1
5 11	15 2.17	− 3 10.6	1.945	2.933	5.1	19.1
5 21	14 53.91	− 2 56.3	1.959	2.921	7.5	19.2
5 31	14 46.60	− 2 56.5	1.999	2.909	10.6	19.4
6 10	14 40.93	− 3 11.7	2.061	2.897	13.5	19.6

1215 Boyer 5 8.9 196°.14 8°.0/ 2.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.50	+ 4 1.2	2.105	2.917	13.5	15.7
4 11	15 25.78	+ 5 8.4	2.033	2.916	11.2	15.6
4 21	15 19.05	+ 6 8.8	1.984	2.913	9.1	15.4
5 1	15 10.88	+ 6 56.2	1.960	2.910	8.1	15.3
5 11	15 2.10	+ 7 25.3	1.962	2.907	8.6	15.4
5 21	14 53.57	+ 7 33.0	1.990	2.903	10.4	15.5
5 31	14 46.10	+ 7 18.4	2.041	2.899	12.8	15.6
6 10	14 40.34	+ 6 42.9	2.113	2.894	15.1	15.8

214190 2005 ER_{13} 5 8.9 326°.25 2°.2/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.11	−21 22.8	1.321	2.154	18.8	19.7
4 11	15 27.24	−21 50.7	1.235	2.142	15.1	19.4
4 21	15 21.03	−22 7.9	1.168	2.131	10.5	19.1
5 1	15 12.11	−22 13.1	1.123	2.120	5.5	18.8
5 11	15 1.73	−22 6.8	1.102	2.110	2.3	18.6
5 21	14 51.44	−21 52.0	1.104	2.100	6.8	18.8
5 31	14 42.80	−21 34.1	1.130	2.091	12.0	19.1
6 10	14 37.01	−21 19.5	1.176	2.083	16.7	19.3

478283 2011 WC_4 5 8.9 240°.82 0°.0/ 8.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.74	−17 22.4	2.439	3.242	12.1	21.4
4 11	15 25.15	−17 27.0	2.343	3.236	9.5	21.2
4 21	15 18.65	−17 26.3	2.270	3.230	6.3	21.0
5 1	15 10.74	−17 21.1	2.224	3.223	2.9	20.8
5 11	15 2.15	−17 13.0	2.207	3.216	0.8	20.6
5 21	14 53.66	−17 3.9	2.218	3.210	4.4	20.9
5 31	14 46.07	−16 56.6	2.258	3.203	7.8	21.1
6 10	14 40.02	−16 53.5	2.322	3.195	10.9	21.2

225801 2001 VN_{50} 5 8.9 162°.54 1°.3/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.15	−15 22.9	2.421	3.225	12.2	22.8
4 11	15 26.05	−14 48.3	2.338	3.233	9.4	22.6
4 21	15 19.11	−14 7.7	2.278	3.239	6.2	22.4
5 1	15 10.89	−13 23.5	2.246	3.245	2.8	22.2
5 11	15 2.14	−12 39.0	2.244	3.250	1.8	22.1
5 21	14 53.64	−11 57.7	2.270	3.254	5.0	22.4
5 31	14 46.15	−11 23.2	2.325	3.258	8.3	22.6
6 10	14 40.22	−10 58.1	2.404	3.261	11.2	22.8

75099 1999 VA_{41} 5 8.9 44°.69 1°.2/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.76	−20 35.0	1.334	2.166	18.8	20.3
4 11	15 28.02	−20 42.5	1.271	2.178	14.7	20.0
4 21	15 21.14	−20 38.0	1.227	2.190	10.0	19.8
5 1	15 11.97	−20 22.0	1.204	2.203	4.8	19.5
5 11	15 1.85	−19 57.3	1.207	2.216	1.5	19.3
5 21	14 52.24	−19 28.5	1.234	2.230	6.3	19.7
5 31	14 44.46	−19 1.4	1.285	2.244	11.2	20.0
6 10	14 39.39	−18 41.6	1.357	2.258	15.4	20.3

67612 2000 SA_{161} 5 8.9 245°.73 2°.8/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.62	−24 30.3	1.792	2.588	16.1	19.5
4 11	15 29.98	−24 48.9	1.691	2.574	13.0	19.3
4 21	15 22.47	−24 55.8	1.610	2.560	9.3	19.0
5 1	15 12.67	−24 49.2	1.554	2.545	5.3	18.7
5 11	15 1.62	−24 29.5	1.524	2.529	2.8	18.5
5 21	14 50.59	−23 59.3	1.521	2.513	5.9	18.7
5 31	14 40.88	−23 23.6	1.544	2.496	10.1	18.9
6 10	14 33.51	−22 48.8	1.590	2.479	14.2	19.1

18316 1981 EJ_{38} 5 8.9 12°.00 3°.4/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 26.38	−13 25.2	1.578	2.420	15.9	17.6
4 11	15 23.30	−12 18.5	1.505	2.421	12.3	17.3
4 21	15 17.74	−11 3.2	1.454	2.422	8.2	17.1
5 1	15 10.39	− 9 44.9	1.427	2.424	4.3	16.9
5 11	15 2.29	− 8 30.6	1.425	2.427	4.0	16.9
5 21	14 54.53	− 7 27.1	1.450	2.430	7.7	17.1
5 31	14 48.13	− 6 40.1	1.498	2.433	11.8	17.3
6 10	14 43.84	− 6 12.5	1.568	2.436	15.4	17.6

200402 2000 SG_{44} 5 8.9 137°.35 12°.2/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 51.38	−35 24.6	1.242	2.006	23.6	20.4
4 11	15 45.42	−37 56.0	1.172	2.014	20.4	20.2
4 21	15 34.26	−40 11.9	1.119	2.022	16.9	20.0
5 1	15 18.51	−41 58.4	1.087	2.029	13.7	19.8
5 11	15 0.02	−43 3.5	1.077	2.036	12.2	19.7
5 21	14 41.52	−43 23.1	1.090	2.042	13.2	19.8
5 31	14 25.82	−43 4.3	1.126	2.048	15.9	20.0
6 10	14 14.81	−42 21.7	1.181	2.053	19.2	20.2

508665 2017 UZ_9 5 8.9 209°.06 2°.4/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.25	−27 34.8	2.206	2.986	14.0	21.4
4 11	15 25.83	−27 10.6	2.109	2.982	11.2	21.2
4 21	15 19.22	−26 31.4	2.034	2.978	8.0	21.0
5 1	15 11.03	−25 37.1	1.984	2.973	4.6	20.8
5 11	15 2.12	−24 30.4	1.962	2.967	2.4	20.6
5 21	14 53.46	−23 15.6	1.969	2.962	4.7	20.7
5 31	14 45.94	−21 58.8	2.004	2.956	8.2	20.9
6 10	14 40.25	−20 46.2	2.063	2.949	11.5	21.1

30306 Frigyesriesz 5 8.9 258°.59 0°.6/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.62	−17 7.8	1.732	2.554	15.5	18.9
4 11	15 26.56	−16 53.9	1.647	2.551	12.1	18.6
4 21	15 19.95	−16 31.9	1.584	2.548	8.1	18.4
5 1	15 11.43	−16 3.4	1.545	2.545	3.6	18.1
5 11	15 2.01	−15 31.8	1.533	2.542	1.3	17.9
5 21	14 52.82	−15 1.1	1.548	2.539	5.9	18.2
5 31	14 44.94	−14 36.1	1.588	2.536	10.3	18.5
6 10	14 39.21	−14 20.5	1.650	2.533	14.1	18.7

42092 2001 AU_{20} 5 8.9 236°.96 5°.6/ 5.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.17	− 6 15.6	1.735	2.565	15.1	19.3
4 11	15 26.91	− 5 14.7	1.650	2.555	12.0	19.0
4 21	15 20.15	− 4 11.8	1.586	2.545	8.6	18.8
5 1	15 11.52	− 3 12.8	1.547	2.534	5.9	18.6
5 11	15 1.99	− 2 24.2	1.535	2.522	6.2	18.6
5 21	14 52.63	− 1 51.4	1.549	2.510	9.2	18.8
5 31	14 44.52	− 1 37.9	1.587	2.498	12.8	18.9
6 10	14 38.46	− 1 44.7	1.646	2.485	16.2	19.1

492271 2013 XF 5 8.9 135°.63 2°.6/11.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.62	−27 22.2	2.328	3.103	13.5	22.2
4 11	15 26.66	−27 17.6	2.245	3.114	10.8	22.0
4 21	15 19.64	−27 0.3	2.185	3.125	7.8	21.8
5 1	15 11.17	−26 30.0	2.149	3.135	4.6	21.6
5 11	15 2.10	−25 48.5	2.142	3.145	2.6	21.5
5 21	14 53.34	−24 59.1	2.164	3.155	4.6	21.7
5 31	14 45.73	−24 6.5	2.213	3.164	7.7	21.9
6 10	14 39.89	−23 15.8	2.288	3.172	10.6	22.1

181085 2005 QF_{42} 5 8.9 299°.83 0°.2/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.28	−18 21.2	2.082	2.898	13.5	20.2
4 11	15 23.73	−18 5.6	1.975	2.875	10.6	19.9
4 21	15 18.00	−17 41.5	1.890	2.852	7.2	19.7
5 1	15 10.57	−17 10.2	1.830	2.829	3.2	19.4
5 11	15 2.24	−16 34.5	1.797	2.806	1.0	19.2
5 21	14 53.93	−15 57.9	1.792	2.784	5.2	19.4
5 31	14 46.59	−15 24.8	1.813	2.761	9.2	19.6
6 10	14 40.99	−14 59.2	1.857	2.739	12.8	19.8

44864 1999 UJ_{23} 5 8.9 235°.29 1°.4/ 9.8 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.69	−23 19.3	1.772	2.578	15.9	19.6
4 11	15 27.51	−23 2.5	1.678	2.569	12.7	19.3
4 21	15 20.67	−22 31.6	1.604	2.560	8.8	19.1
5 1	15 11.80	−21 46.9	1.555	2.551	4.4	18.8
5 11	15 1.93	−20 51.4	1.532	2.541	1.5	18.6
5 21	14 52.24	−19 50.0	1.537	2.531	5.6	18.8
5 31	14 43.90	−18 49.2	1.567	2.520	10.0	19.0
6 10	14 37.77	−17 55.5	1.621	2.509	14.0	19.2

469613 2004 LB_{14} 5 8.9 315°.63 9°.2/ 2.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.47	− 1 1.6	1.412	2.264	16.8	21.3
4 11	15 23.15	+ 0 26.6	1.324	2.237	13.8	21.0
4 21	15 18.05	+ 1 54.7	1.256	2.210	10.9	20.8
5 1	15 10.73	+ 3 13.2	1.211	2.184	9.3	20.6
5 11	15 2.19	+ 4 12.2	1.189	2.158	10.2	20.6
5 21	14 53.68	+ 4 43.8	1.189	2.133	13.2	20.7
5 31	14 46.46	+ 4 43.8	1.210	2.109	16.9	20.8
6 10	14 41.54	+ 4 12.7	1.248	2.085	20.5	21.0

364170 2006 JZ_{54} 5 8.9 318°.69 0°.7/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 28.90	−15 9.5	1.191	2.043	19.2	21.4
4 11	15 26.76	−15 26.6	1.095	2.016	15.3	21.1
4 21	15 21.10	−15 39.0	1.017	1.988	10.5	20.7
5 1	15 12.36	−15 47.6	0.961	1.962	4.8	20.3
5 11	15 1.72	−15 54.7	0.927	1.936	1.7	20.0
5 21	14 50.81	−16 3.2	0.916	1.911	7.9	20.3
5 31	14 41.43	−16 17.2	0.926	1.887	14.0	20.5
6 10	14 35.05	−16 40.9	0.955	1.865	19.4	20.7

263938 2009 HR_{54} 5 8.9 298°.28 5°.3/ 5.8 17

4 1	15 28.18	− 8 49.9	1.469	2.315	16.6	20.8
4 11	15 25.09	− 7 49.5	1.384	2.300	13.1	20.6
4 21	15 19.23	− 6 44.1	1.319	2.285	9.2	20.3
5 1	15 11.21	− 5 39.8	1.278	2.270	5.8	20.1
5 11	15 2.11	− 4 44.0	1.261	2.256	5.9	20.0
5 21	14 53.16	− 4 3.5	1.269	2.242	9.5	20.2
5 31	14 45.58	− 3 43.3	1.300	2.228	13.8	20.4
6 10	14 40.31	− 3 45.3	1.351	2.214	17.8	20.6

210499 1998 HM_{21} 5 8.9 32°.73 1°.5/ 9.6 17

4 1	15 30.83	−21 2.6	1.244	2.081	19.5	19.3
4 11	15 27.58	−21 12.9	1.180	2.089	15.4	19.1
4 21	15 21.02	−21 10.2	1.134	2.099	10.5	18.9
5 1	15 12.00	−20 54.7	1.110	2.109	5.2	18.6
5 11	15 1.93	−20 29.2	1.110	2.119	1.7	18.4
5 21	14 52.35	−19 58.7	1.134	2.131	6.6	18.7
5 31	14 44.68	−19 29.4	1.181	2.143	11.6	19.0
6 10	14 39.86	−19 7.5	1.249	2.155	16.1	19.3

107569 2001 DD_{90} 5 8.9 98°.56 1°.9/ 7.8 18

4 1	15 32.38	−14 56.7	1.610	2.437	16.3	20.4
4 11	15 27.84	−14 25.1	1.543	2.450	12.6	20.2
4 21	15 20.69	−13 46.2	1.497	2.463	8.3	20.0
5 1	15 11.72	−13 3.4	1.476	2.476	3.8	19.8
5 11	15 2.02	−12 21.3	1.481	2.488	2.4	19.7
5 21	14 52.78	−11 44.8	1.513	2.500	6.6	20.0
5 31	14 45.04	−11 18.6	1.570	2.512	10.8	20.3
6 10	14 39.57	−11 5.4	1.649	2.524	14.5	20.5

152062 2004 PQ_{79} 5 8.9 353°.13 3°.1/10.6 17

4 1	15 20.79	−25 15.4	1.126	1.976	20.3	18.7
4 11	15 20.32	−25 18.0	1.051	1.966	16.4	18.5
4 21	15 16.52	−25 0.3	0.993	1.957	11.7	18.2
5 1	15 10.11	−24 21.5	0.955	1.951	6.5	17.8
5 11	15 2.41	−23 25.0	0.939	1.946	3.1	17.6
5 21	14 55.00	−22 17.7	0.945	1.944	6.9	17.8
5 31	14 49.39	−21 9.4	0.972	1.943	12.2	18.1
6 10	14 46.66	−20 9.7	1.019	1.944	17.1	18.4

327307 2005 UK_{7} 5 8.9 198°.91 4°.5/ 5.6 18

4 1	15 32.74	−18 1.4	1.204	2.046	19.8	20.4
4 11	15 29.06	−15 36.2	1.128	2.044	15.3	20.2
4 21	15 22.00	−12 45.5	1.072	2.042	10.2	19.9
5 1	15 12.44	− 9 39.5	1.042	2.040	5.4	19.6
5 11	15 1.83	− 6 34.5	1.037	2.037	5.7	19.6
5 21	14 51.75	− 3 47.8	1.059	2.033	10.7	19.8
5 31	14 43.62	− 1 33.3	1.105	2.029	15.9	20.1
6 10	14 38.37	+ 0 2.7	1.169	2.025	20.4	20.4

277515 2005 WB_{189} 5 8.9 136°.24 8°.0/ 5.4 18

4 1	15 35.98	+ 4 28.4	1.864	2.672	15.2	20.3
4 11	15 30.26	+ 4 49.9	1.793	2.674	12.5	20.1
4 21	15 22.16	+ 5 1.0	1.744	2.677	9.9	20.0
5 1	15 12.37	+ 4 56.3	1.719	2.679	8.2	19.9
5 11	15 1.86	+ 4 32.2	1.721	2.681	8.3	19.9
5 21	14 51.68	+ 3 47.6	1.748	2.684	10.2	20.0
5 31	14 42.83	+ 2 43.4	1.801	2.686	12.9	20.2
6 10	14 36.02	+ 1 22.9	1.876	2.687	15.6	20.4

143902 2003 YR_{61} 5 8.9 279°.80 4°.9/ 6.2 17

4 1	15 30.50	− 8 0.4	1.574	2.411	16.1	19.8
4 11	15 26.73	− 7 18.1	1.486	2.398	12.7	19.5
4 21	15 20.25	− 6 33.4	1.420	2.384	8.9	19.2
5 1	15 11.67	− 5 51.3	1.377	2.370	5.5	19.0
5 11	15 2.02	− 5 17.8	1.360	2.356	5.5	19.0
5 21	14 52.49	− 4 58.1	1.368	2.342	8.9	19.1
5 31	14 44.29	− 4 55.8	1.400	2.327	13.0	19.3
6 10	14 38.33	− 5 12.1	1.452	2.313	16.9	19.5

388144 2005 WQ_{106} 5 8.9 262°.79 3°.1/ 6.2 16

4 1	15 25.81	−10 51.5	2.358	3.181	11.9	21.2
4 11	15 22.09	− 9 56.7	2.268	3.173	9.2	21.0
4 21	15 16.60	− 8 57.5	2.202	3.165	6.3	20.8
5 1	15 9.85	− 7 57.7	2.163	3.157	3.6	20.6
5 11	15 2.52	− 7 1.7	2.151	3.149	3.5	20.6
5 21	14 55.35	− 6 13.7	2.168	3.140	6.2	20.7
5 31	14 49.05	− 5 37.3	2.211	3.132	9.3	20.9
6 10	14 44.21	− 5 14.6	2.278	3.123	12.1	21.1

371125 2005 WA_{35} 5 8.9 147°.17 0°.3/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.76	−17 52.6	2.054	2.863	13.9	21.9
4 11	15 26.95	−17 39.9	1.973	2.869	10.8	21.7
4 21	15 19.95	−17 19.6	1.915	2.875	7.2	21.5
5 1	15 11.37	−16 53.3	1.882	2.881	3.2	21.3
5 11	15 2.12	−16 23.6	1.877	2.887	1.0	21.1
5 21	14 53.15	−15 54.0	1.901	2.892	5.1	21.4
5 31	14 45.35	−15 28.3	1.951	2.896	8.9	21.7
6 10	14 39.41	−15 10.0	2.026	2.901	12.2	21.9

333412 2002 WE_{29} 5 8.9 202°.72 1°.7/ 6.4 18

4 1	15 19.99	− 8 48.1	4.899	5.706	6.4	21.2
4 11	15 16.68	− 8 27.4	4.808	5.704	4.9	21.1
4 21	15 12.58	− 8 6.2	4.743	5.701	3.3	21.0
5 1	15 7.93	− 7 46.0	4.707	5.699	2.0	20.9
5 11	15 3.04	− 7 28.0	4.700	5.696	1.9	20.9
5 21	14 58.23	− 7 13.7	4.723	5.693	3.2	21.0
5 31	14 53.80	− 7 4.2	4.775	5.690	4.8	21.1
6 10	14 50.02	− 7 0.2	4.853	5.687	6.3	21.2

469350 2000 WL_{44} 5 8.9 280°.07 1°.2/ 8.2 18

4 1	15 32.72	−15 12.1	2.019	2.831	14.0	21.6
4 11	15 28.19	−15 2.1	1.899	2.798	11.1	21.3
4 21	15 21.17	−14 46.0	1.802	2.764	7.5	21.0
5 1	15 12.13	−14 25.4	1.731	2.730	3.4	20.7
5 11	15 1.88	−14 2.8	1.687	2.695	1.7	20.5
5 21	14 51.46	−13 41.4	1.672	2.660	6.0	20.7
5 31	14 41.97	−13 25.2	1.683	2.624	10.3	20.9
6 10	14 34.35	−13 17.7	1.717	2.587	14.3	21.0

204793 2006 QD_{79} 5 8.9 116°.61 2°.1/ 7.3 18

4 1	15 27.80	−12 54.0	2.205	3.025	12.7	20.5
4 11	15 23.69	−12 20.8	2.125	3.028	9.8	20.3
4 21	15 17.68	−11 43.2	2.068	3.032	6.5	20.1
5 1	15 10.33	−11 4.0	2.038	3.035	3.2	19.9
5 11	15 2.41	−10 26.9	2.035	3.039	2.6	19.8
5 21	14 54.73	− 9 55.5	2.061	3.042	5.6	20.0
5 31	14 48.05	− 9 33.0	2.112	3.046	9.0	20.2
6 10	14 42.98	− 9 21.4	2.188	3.049	12.0	20.4

454599 2014 PF_{58} 5 8.9 235°.54 1°.1/ 7.7 18

4 1	15 23.47	−13 43.9	3.811	4.614	8.1	22.4
4 11	15 19.62	−13 23.1	3.708	4.603	6.3	22.2
4 21	15 14.66	−12 59.5	3.631	4.591	4.1	22.1
5 1	15 8.91	−12 34.4	3.582	4.580	2.0	21.9
5 11	15 2.79	−12 9.6	3.562	4.568	1.4	21.8
5 21	14 56.74	−11 47.0	3.573	4.556	3.4	22.0
5 31	14 51.20	−11 28.3	3.612	4.543	5.7	22.1
6 10	14 46.55	−11 15.2	3.678	4.531	7.7	22.3

237404 1998 RS_{29} 5 8.9 236°.38 3°.1/11.1 18

4 1	15 32.63	−27 36.6	2.569	3.335	12.6	21.4
4 11	15 27.58	−27 53.7	2.458	3.320	10.3	21.2
4 21	15 20.42	−28 0.2	2.369	3.304	7.5	21.0
5 1	15 11.66	−27 54.8	2.306	3.288	4.7	20.8
5 11	15 2.04	−27 37.7	2.271	3.271	3.1	20.7
5 21	14 52.45	−27 10.6	2.266	3.253	4.7	20.7
5 31	14 43.76	−26 36.9	2.288	3.235	7.7	20.9
6 10	14 36.72	−26 1.1	2.336	3.216	10.6	21.1

260871 2005 QX_{102} 5 8.9 107°.92 1°.4/ 9.9 18

4 1	15 32.63	−23 19.0	1.918	2.717	15.1	21.3
4 11	15 27.74	−23 5.1	1.846	2.733	11.9	21.1
4 21	15 20.49	−22 38.9	1.795	2.749	8.2	20.9
5 1	15 11.61	−22 1.3	1.770	2.765	4.1	20.7
5 11	15 2.10	−21 15.0	1.772	2.780	1.5	20.6
5 21	14 53.00	−20 24.5	1.801	2.795	5.0	20.8
5 31	14 45.27	−19 35.2	1.858	2.809	8.8	21.1
6 10	14 39.60	−18 52.2	1.939	2.823	12.2	21.3

485753 2012 BF_{124} 5 8.9 149°.09 21°.0/27.0 18

4 1	15 38.65	+24 17.0	1.197	1.978	23.4	20.9
4 11	15 33.54	+26 33.0	1.166	1.983	22.0	20.8
4 21	15 24.85	+28 15.5	1.150	1.988	21.1	20.7
5 1	15 13.66	+29 10.1	1.150	1.992	21.1	20.7
5 11	15 1.58	+29 8.7	1.166	1.996	21.8	20.8
5 21	14 50.32	+28 10.9	1.197	1.999	23.0	20.9
5 31	14 41.30	+26 23.0	1.243	2.002	24.6	21.0
6 10	14 35.38	+23 56.1	1.300	2.004	26.2	21.2

16161 2000 AC_{68} 5 8.9 310°.18 8°.9/ 4.1 18

4 1	15 28.83	− 0 13.9	1.417	2.262	17.1	17.0
4 11	15 25.85	+ 0 46.4	1.327	2.235	14.1	16.8
4 21	15 19.93	+ 1 43.1	1.256	2.208	11.1	16.5
5 1	15 11.65	+ 2 27.8	1.207	2.182	9.0	16.3
5 11	15 2.04	+ 2 52.0	1.182	2.156	9.6	16.3
5 21	14 52.39	+ 2 49.9	1.179	2.130	12.6	16.3
5 31	14 44.06	+ 2 18.8	1.198	2.105	16.4	16.5
6 10	14 38.12	+ 1 20.0	1.234	2.080	20.2	16.7

512956 2017 OH_{67} 5 8.9 268°.38 6°.6/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 38.85	−30 54.9	1.861	2.626	16.7	21.8
4 11	15 33.76	−32 8.7	1.751	2.605	14.1	21.6
4 21	15 25.40	−33 12.0	1.661	2.583	11.1	21.4
5 1	15 14.24	−33 59.2	1.595	2.561	8.1	21.1
5 11	15 1.32	−34 26.0	1.555	2.539	6.6	21.0
5 21	14 48.06	−34 31.3	1.541	2.516	7.9	21.0
5 31	14 36.06	−34 18.0	1.553	2.492	11.1	21.1
6 10	14 26.62	−33 53.1	1.588	2.469	14.7	21.3

2021 Poincaré 5 8.9 290°.54 4°.3/ 6.4 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.31	−11 7.5	1.471	2.313	16.8	17.1
4 11	15 26.20	−10 14.9	1.373	2.288	13.2	16.8
4 21	15 20.15	− 9 14.4	1.296	2.263	9.1	16.4
5 1	15 11.74	− 8 10.9	1.242	2.238	5.2	16.1
5 11	15 2.01	− 7 11.6	1.213	2.212	5.0	16.1
5 21	14 52.25	− 6 23.5	1.208	2.187	9.1	16.2
5 31	14 43.80	− 5 53.0	1.227	2.162	13.9	16.4
6 10	14 37.74	− 5 43.6	1.266	2.136	18.3	16.6

225543 2000 SO_{134} 5 8.9 189°.79 1°.7/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.88	−25 8.3	2.258	3.044	13.5	20.9
4 11	15 26.22	−24 44.9	2.164	3.043	10.8	20.7
4 21	15 19.45	−24 8.7	2.093	3.041	7.5	20.5
5 1	15 11.17	−23 20.0	2.047	3.040	4.0	20.2
5 11	15 2.21	−22 21.6	2.030	3.037	1.7	20.1
5 21	14 53.49	−21 17.4	2.041	3.034	4.5	20.3
5 31	14 45.88	−20 13.0	2.081	3.031	8.1	20.5
6 10	14 40.04	−19 13.6	2.145	3.027	11.3	20.7

38634 2000 LL_{18} 5 8.9 183°.84 6°.4/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.29	+ 0 4.8	2.266	3.080	12.6	19.4
4 11	15 25.50	+ 1 8.6	2.191	3.081	10.2	19.2
4 21	15 18.84	+ 2 8.7	2.140	3.080	7.9	19.1
5 1	15 10.85	+ 2 59.9	2.115	3.080	6.5	19.0
5 11	15 2.30	+ 3 37.3	2.117	3.079	6.9	19.0
5 21	14 53.99	+ 3 57.6	2.146	3.077	8.9	19.1
5 31	14 46.66	+ 3 59.1	2.200	3.074	11.3	19.3
6 10	14 40.92	+ 3 42.3	2.276	3.071	13.7	19.4

6906 Johnmills 5 8.9 164°.88 1°.5/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.64	−12 56.7	2.647	3.449	11.3	18.6
4 11	15 26.31	−12 42.2	2.562	3.455	8.8	18.4
4 21	15 19.27	−12 24.4	2.501	3.461	5.8	18.2
5 1	15 11.02	−12 5.4	2.468	3.466	2.8	18.1
5 11	15 2.26	−11 47.2	2.465	3.470	1.9	18.0
5 21	14 53.70	−11 32.4	2.491	3.474	4.7	18.2
5 31	14 46.03	−11 23.1	2.546	3.477	7.7	18.4
6 10	14 39.80	−11 21.1	2.626	3.479	10.4	18.6

196877 2003 SJ_{300} 5 8.9 98°.82 3°.8/11.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.43	−29 47.0	2.058	2.833	15.0	19.8
4 11	15 26.89	−29 52.7	1.979	2.844	12.2	19.6
4 21	15 19.99	−29 43.1	1.920	2.855	9.0	19.4
5 1	15 11.42	−29 17.3	1.886	2.866	5.8	19.2
5 11	15 2.16	−28 36.5	1.879	2.877	3.8	19.1
5 21	14 53.23	−27 44.4	1.899	2.888	5.3	19.2
5 31	14 45.62	−26 46.5	1.946	2.898	8.4	19.4
6 10	14 40.04	−25 49.0	2.017	2.908	11.5	19.6

387098 2012 TX_{128} 5 8.9 251°.84 1°.1/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.03	−22 24.0	2.104	2.905	13.9	21.6
4 11	15 25.00	−22 9.3	2.008	2.898	11.0	21.4
4 21	15 18.77	−21 43.4	1.934	2.890	7.5	21.2
5 1	15 10.91	−21 7.0	1.886	2.882	3.7	20.9
5 11	15 2.28	−20 22.7	1.865	2.874	1.2	20.7
5 21	14 53.80	−19 34.2	1.872	2.866	4.8	21.0
5 31	14 46.41	−18 46.5	1.906	2.857	8.6	21.2
6 10	14 40.84	−18 4.4	1.964	2.849	12.1	21.4

423914 2006 SL_{326} 5 8.9 198°.29 0°.0/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.92	−18 39.1	1.959	2.767	14.5	22.8
4 11	15 28.09	−18 28.8	1.869	2.764	11.4	22.6
4 21	15 20.87	−18 10.0	1.801	2.761	7.7	22.3
5 1	15 11.87	−17 43.8	1.759	2.758	3.5	22.1
5 11	15 2.03	−17 12.8	1.744	2.754	0.9	21.9
5 21	14 52.38	−16 40.6	1.758	2.749	5.3	22.2
5 31	14 43.94	−16 11.6	1.798	2.744	9.4	22.4
6 10	14 37.49	−15 49.7	1.861	2.739	13.0	22.6

193545 2000 YN_{117} 5 8.9 64°.54 4°.6/12.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.95	−30 27.9	1.806	2.587	16.6	19.8
4 11	15 27.63	−30 46.5	1.734	2.601	13.6	19.7
4 21	15 20.64	−30 48.3	1.682	2.616	10.1	19.5
5 1	15 11.75	−30 31.5	1.653	2.630	6.7	19.3
5 11	15 2.08	−29 57.2	1.649	2.645	4.7	19.2
5 21	14 52.81	−29 8.9	1.672	2.660	6.1	19.3
5 31	14 45.06	−28 13.0	1.721	2.674	9.2	19.5
6 10	14 39.61	−27 16.5	1.793	2.689	12.5	19.8

211483 2003 FC_{84} 5 8.9 342°.32 9°.1/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 23.49	+ 2 41.4	1.749	2.588	14.7	19.2
4 11	15 20.87	+ 4 14.5	1.679	2.578	12.2	19.0
4 21	15 16.07	+ 5 42.3	1.631	2.569	10.1	18.9
5 1	15 9.70	+ 6 56.4	1.606	2.560	9.1	18.8
5 11	15 2.61	+ 7 49.5	1.605	2.553	9.9	18.8
5 21	14 55.74	+ 8 16.7	1.628	2.546	12.0	18.9
5 31	14 49.99	+ 8 16.1	1.672	2.539	14.6	19.1
6 10	14 46.04	+ 7 49.3	1.734	2.534	17.2	19.2

501303 2013 WA_{70} 5 8.9 174°.38 0°.3/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.69	−18 55.9	2.055	2.861	14.0	21.9
4 11	15 27.00	−18 56.2	1.968	2.862	11.0	21.7
4 21	15 20.07	−18 49.0	1.904	2.863	7.4	21.5
5 1	15 11.49	−18 34.9	1.866	2.864	3.4	21.3
5 11	15 2.14	−18 16.0	1.855	2.864	0.9	21.1
5 21	14 53.00	−17 55.1	1.872	2.864	4.9	21.4
5 31	14 45.01	−17 35.9	1.916	2.864	8.8	21.6
6 10	14 38.90	−17 21.9	1.985	2.864	12.2	21.8

42866 1999 RJ_{104} 5 8.9 268°.33 4°.2/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.36	−28 29.2	1.664	2.458	17.3	18.8
4 11	15 28.55	−28 43.6	1.565	2.443	14.2	18.5
4 21	15 21.70	−28 41.6	1.485	2.428	10.5	18.3
5 1	15 12.43	−28 20.5	1.428	2.412	6.6	18.0
5 11	15 1.87	−27 40.6	1.396	2.396	4.2	17.8
5 21	14 51.36	−26 45.3	1.389	2.381	6.5	17.9
5 31	14 42.31	−25 41.5	1.408	2.364	10.6	18.1
6 10	14 35.77	−24 37.5	1.450	2.348	14.7	18.3

427543 2002 RR_{200} 5 8.9 243°.93 3°.4/ 6.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.02	−10 14.7	2.060	2.878	13.6	22.3
4 11	15 27.32	− 9 32.5	1.958	2.859	10.6	22.1
4 21	15 20.36	− 8 45.9	1.879	2.840	7.3	21.9
5 1	15 11.67	− 7 58.7	1.826	2.820	4.2	21.6
5 11	15 2.09	− 7 15.4	1.801	2.800	3.9	21.6
5 21	14 52.55	− 6 40.4	1.805	2.778	7.1	21.7
5 31	14 44.03	− 6 17.6	1.834	2.756	10.7	21.9
6 10	14 37.30	− 6 9.4	1.886	2.733	14.2	22.1

480570 2015 MK_{70} 5 8.9 306°.21 0°.6/ 8.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.78	−18 7.4	2.330	3.142	12.3	21.0
4 11	15 22.16	−17 32.7	2.238	3.137	9.6	20.8
4 21	15 16.70	−16 49.8	2.170	3.132	6.4	20.6
5 1	15 9.93	−16 0.8	2.128	3.128	2.8	20.3
5 11	15 2.57	−15 9.0	2.114	3.123	1.2	20.2
5 21	14 55.38	−14 18.5	2.129	3.118	4.7	20.4
5 31	14 49.12	−13 33.5	2.170	3.114	8.2	20.6
6 10	14 44.38	−12 57.2	2.236	3.110	11.3	20.8

93021 2000 RG_{95} 5 8.9 241°.78 0°.3/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.65	−19 8.6	2.069	2.875	13.9	19.9
4 11	15 27.10	−19 5.3	1.970	2.864	11.0	19.6
4 21	15 20.24	−18 54.0	1.893	2.852	7.4	19.4
5 1	15 11.62	−18 35.2	1.842	2.840	3.4	19.1
5 11	15 2.11	−18 11.2	1.818	2.827	0.9	18.9
5 21	14 52.68	−17 44.8	1.822	2.815	5.1	19.2
5 31	14 44.33	−17 20.0	1.854	2.801	9.1	19.4
6 10	14 37.85	−17 0.8	1.909	2.788	12.6	19.6

501859 2014 WO_{240} 5 8.9 244°.19 3°.2/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.81	−12 58.6	1.685	2.515	15.6	22.4
4 11	15 26.81	−12 6.0	1.595	2.504	12.2	22.1
4 21	15 20.21	−11 5.3	1.527	2.492	8.2	21.9
5 1	15 11.64	−10 0.8	1.483	2.481	4.3	21.6
5 11	15 2.10	− 8 58.6	1.466	2.468	3.8	21.5
5 21	14 52.73	− 8 4.8	1.476	2.456	7.6	21.7
5 31	14 44.65	− 7 24.9	1.510	2.443	11.9	22.0
6 10	14 38.72	− 7 2.4	1.566	2.429	15.7	22.2

499506 2010 OU_{14} 5 8.9 264°.54 0°.2/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.79	−17 16.5	1.831	2.641	15.3	22.5
4 11	15 30.07	−17 16.9	1.720	2.616	12.1	22.2
4 21	15 22.58	−17 10.2	1.630	2.591	8.2	21.9
5 1	15 12.83	−16 57.0	1.565	2.564	3.8	21.6
5 11	15 1.76	−16 39.2	1.528	2.537	1.1	21.3
5 21	14 50.56	−16 19.8	1.518	2.509	6.0	21.6
5 31	14 40.47	−16 3.1	1.534	2.480	10.7	21.8
6 10	14 32.54	−15 53.4	1.574	2.451	14.9	22.0

472157 2014 DE_{14} 5 8.9 51°.59 0°.7/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.47	−15 7.5	2.152	2.965	13.2	20.7
4 11	15 25.90	−15 13.1	2.069	2.968	10.3	20.5
4 21	15 19.25	−15 14.6	2.009	2.971	6.8	20.3
5 1	15 11.10	−15 13.1	1.975	2.974	3.1	20.1
5 11	15 2.27	−15 10.4	1.969	2.977	1.2	19.9
5 21	14 53.63	−15 8.8	1.991	2.981	5.0	20.2
5 31	14 46.06	−15 10.6	2.040	2.984	8.6	20.4
6 10	14 40.21	−15 18.0	2.113	2.987	11.8	20.6

436844 2012 SC_{19} 5 8.9 311°.26 0°.5/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 27.93	−21 2.2	1.985	2.796	14.2	20.9
4 11	15 24.19	−20 38.4	1.897	2.794	11.2	20.7
4 21	15 18.24	−20 3.6	1.831	2.791	7.6	20.5
5 1	15 10.68	−19 19.1	1.790	2.788	3.5	20.2
5 11	15 2.38	−18 28.3	1.776	2.786	0.9	20.0
5 21	14 54.30	−17 35.6	1.790	2.783	5.0	20.3
5 31	14 47.37	−16 46.1	1.830	2.781	8.9	20.5
6 10	14 42.30	−16 4.5	1.894	2.779	12.5	20.7

159545 2001 RL_{121} 5 8.9 255°.36 2°.8/ 7.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.26	−13 30.3	1.559	2.390	16.5	21.3
4 11	15 28.27	−12 52.0	1.465	2.375	13.0	21.1
4 21	15 21.39	−12 5.6	1.393	2.359	8.8	20.8
5 1	15 12.26	−11 14.8	1.345	2.343	4.4	20.5
5 11	15 1.94	−10 24.9	1.322	2.327	3.4	20.4
5 21	14 51.71	− 9 42.0	1.325	2.310	7.7	20.6
5 31	14 42.85	− 9 11.6	1.353	2.292	12.5	20.8
6 10	14 36.36	− 8 57.6	1.402	2.275	16.7	21.0

219588 2001 TJ_8 5 8.9 185°.29 2°.3/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.59	−25 52.7	2.558	3.329	12.5	21.8
4 11	15 28.13	−25 56.0	2.461	3.329	10.0	21.6
4 21	15 20.65	−25 48.8	2.387	3.329	7.2	21.4
5 1	15 11.72	−25 30.5	2.340	3.327	4.1	21.2
5 11	15 2.11	−25 2.1	2.321	3.325	2.3	21.1
5 21	14 52.67	−24 26.2	2.332	3.322	4.3	21.2
5 31	14 44.23	−23 46.5	2.371	3.318	7.4	21.4
6 10	14 37.44	−23 7.6	2.436	3.314	10.3	21.6

384844 2012 SV_5 5 8.9 267°.76 2°.7/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.83	−25 12.4	2.024	2.817	14.6	20.9
4 11	15 26.60	−25 28.0	1.930	2.811	11.8	20.7
4 21	15 19.96	−25 32.1	1.858	2.805	8.4	20.5
5 1	15 11.51	−25 24.0	1.810	2.800	4.9	20.2
5 11	15 2.15	−25 4.3	1.790	2.794	2.7	20.1
5 21	14 52.94	−24 35.6	1.796	2.788	5.1	20.2
5 31	14 44.90	−24 2.4	1.829	2.782	8.8	20.4
6 10	14 38.83	−23 29.8	1.886	2.777	12.2	20.6

22201 4584 P–L 5 8.9 209°.58 2°.9/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.21	−12 15.2	1.999	2.816	13.9	19.3
4 11	15 27.42	−11 28.6	1.909	2.810	10.8	19.1
4 21	15 20.37	−10 36.1	1.840	2.803	7.3	18.9
5 1	15 11.64	− 9 41.4	1.799	2.795	3.9	18.7
5 11	15 2.13	− 8 49.3	1.785	2.786	3.4	18.6
5 21	14 52.80	− 8 4.5	1.799	2.777	6.7	18.8
5 31	14 44.60	− 7 31.4	1.840	2.767	10.5	19.0
6 10	14 38.27	− 7 12.5	1.903	2.756	13.8	19.2

498294 2007 VE_{96} 5 8.9 246°.12 1°.7/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.99	−14 31.3	1.841	2.657	15.0	22.5
4 11	15 29.24	−14 11.5	1.739	2.639	11.8	22.2
4 21	15 21.87	−13 45.2	1.658	2.621	7.9	21.9
5 1	15 12.44	−13 14.5	1.603	2.602	3.7	21.6
5 11	15 1.90	−12 42.8	1.575	2.582	2.2	21.5
5 21	14 51.37	−12 14.3	1.574	2.561	6.5	21.7
5 31	14 42.01	−11 53.3	1.600	2.539	10.9	21.9
6 10	14 34.75	−11 43.4	1.649	2.517	14.8	22.1

148775 2001 UM_4 5 8.9 314°.14 0°.9/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.60	−16 13.0	1.712	2.537	15.6	19.9
4 11	15 26.58	−16 0.9	1.630	2.535	12.1	19.7
4 21	15 20.00	−15 41.7	1.569	2.534	8.1	19.5
5 1	15 11.53	−15 17.1	1.532	2.532	3.6	19.2
5 11	15 2.16	−14 50.4	1.522	2.530	1.5	19.0
5 21	14 53.04	−14 25.7	1.538	2.529	6.0	19.3
5 31	14 45.23	−14 7.0	1.580	2.528	10.3	19.6
6 10	14 39.57	−13 57.9	1.644	2.526	14.2	19.8

78293 2002 PC_{53} 5 8.9 240°.56 0°.0/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.87	−19 11.2	1.808	2.621	15.3	20.1
4 11	15 27.59	−18 56.0	1.713	2.611	12.1	19.9
4 21	15 20.72	−18 30.6	1.640	2.601	8.2	19.6
5 1	15 11.89	−17 56.3	1.591	2.590	3.7	19.3
5 11	15 2.06	−17 16.0	1.569	2.579	1.0	19.1
5 21	14 52.37	−16 34.2	1.575	2.567	5.7	19.4
5 31	14 43.93	−15 56.0	1.606	2.555	10.1	19.6
6 10	14 37.62	−15 26.3	1.661	2.543	14.0	19.8

121711 1999 XW_{112} 5 8.9 276°.89 7°.0/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.14	−42 50.8	2.659	3.349	13.9	19.4
4 11	15 27.52	−43 0.6	2.537	3.325	12.2	19.3
4 21	15 20.54	−42 51.3	2.434	3.300	10.3	19.1
5 1	15 11.77	−42 19.6	2.354	3.275	8.4	18.9
5 11	15 2.09	−41 24.3	2.299	3.249	7.2	18.8
5 21	14 52.55	−40 7.0	2.270	3.223	7.2	18.8
5 31	14 44.14	−38 32.3	2.269	3.197	8.7	18.8
6 10	14 37.67	−36 47.7	2.294	3.171	10.9	18.9

381951 2010 DK_{78} 5 8.9 41°.13 4°.8/12.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 29.19	−32 24.6	1.692	2.475	17.4	19.8
4 11	15 25.66	−32 18.5	1.619	2.487	14.4	19.6
4 21	15 19.41	−31 51.5	1.565	2.499	10.8	19.4
5 1	15 11.22	−31 2.4	1.534	2.511	7.2	19.3
5 11	15 2.27	−29 53.7	1.528	2.524	4.9	19.1
5 21	14 53.80	−28 30.8	1.548	2.537	6.2	19.2
5 31	14 46.92	−27 2.1	1.593	2.551	9.5	19.5
6 10	14 42.38	−25 36.2	1.662	2.565	12.9	19.7

439537 2014 DO 5 8.9 201°.67 16°.3/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.31	+14 6.0	1.386	2.200	19.1	20.5
4 11	15 28.29	+17 4.0	1.340	2.198	17.4	20.4
4 21	15 21.30	+19 44.8	1.313	2.195	16.4	20.3
5 1	15 12.13	+21 53.2	1.308	2.191	16.5	20.3
5 11	15 2.02	+23 17.7	1.324	2.187	17.7	20.3
5 21	14 52.32	+23 53.6	1.357	2.182	19.6	20.4
5 31	14 44.28	+23 42.1	1.407	2.177	21.7	20.6
6 10	14 38.77	+22 49.7	1.469	2.171	23.7	20.7

23416 1979 MU_4 5 8.9 336°.33 2°.0/ 7.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.43	−15 15.4	1.273	2.125	18.3	18.1
4 11	15 24.21	−14 48.3	1.193	2.114	14.3	17.8
4 21	15 18.90	−14 11.5	1.133	2.104	9.6	17.5
5 1	15 11.18	−13 28.5	1.094	2.095	4.4	17.2
5 11	15 2.25	−12 44.9	1.079	2.086	2.7	17.1
5 21	14 53.52	−12 7.1	1.087	2.079	7.8	17.3
5 31	14 46.40	−11 41.3	1.118	2.072	13.0	17.6
6 10	14 41.90	−11 31.7	1.169	2.067	17.5	17.8

11487 1988 RG_{10} 5 8.9 244°.50 0°.8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 21.27	−22 18.1	4.490	5.272	7.3	18.6
4 11	15 17.83	−22 12.1	4.391	5.269	5.8	18.5
4 21	15 13.43	−22 1.1	4.316	5.266	3.9	18.3
5 1	15 8.37	−21 45.6	4.269	5.263	2.0	18.2
5 11	15 3.02	−21 26.6	4.252	5.259	0.8	18.1
5 21	14 57.74	−21 5.6	4.264	5.256	2.4	18.2
5 31	14 52.91	−20 44.1	4.306	5.253	4.4	18.4
6 10	14 48.85	−20 23.8	4.374	5.250	6.1	18.5

186886 2004 JH_{29} 5 8.9 15°.76 2°.1/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.62	−14 4.5	1.553	2.388	16.4	19.8
4 11	15 25.98	−13 38.3	1.478	2.389	12.7	19.6
4 21	15 19.66	−13 5.6	1.423	2.391	8.5	19.3
5 1	15 11.38	−12 29.5	1.393	2.392	4.0	19.1
5 11	15 2.23	−11 54.7	1.388	2.394	2.7	19.0
5 21	14 53.38	−11 25.9	1.409	2.396	6.9	19.3
5 31	14 45.97	−11 7.6	1.454	2.399	11.3	19.5
6 10	14 40.82	−11 2.6	1.521	2.402	15.2	19.8

176432 2001 VZ_{109} 5 8.9 107°.05 0°.6/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.85	−15 28.4	2.410	3.215	12.2	20.9
4 11	15 25.89	−15 30.8	2.332	3.227	9.4	20.7
4 21	15 19.10	−15 29.1	2.277	3.238	6.3	20.5
5 1	15 11.00	−15 24.3	2.249	3.248	2.8	20.3
5 11	15 2.36	−15 18.2	2.250	3.259	1.1	20.2
5 21	14 53.95	−15 12.9	2.280	3.270	4.5	20.5
5 31	14 46.53	−15 10.6	2.338	3.280	7.8	20.7
6 10	14 40.68	−15 13.4	2.420	3.290	10.7	20.9

369077 2008 FP_{81} 5 8.9 234°.82 5°.1/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.28	− 7 49.9	1.890	2.719	14.1	21.0
4 11	15 25.25	− 6 32.0	1.803	2.710	11.1	20.7
4 21	15 18.98	− 5 9.7	1.740	2.700	7.9	20.5
5 1	15 11.05	− 3 49.1	1.702	2.689	5.4	20.3
5 11	15 2.34	− 2 36.9	1.692	2.679	5.8	20.3
5 21	14 53.82	− 1 39.1	1.708	2.668	8.6	20.5
5 31	14 46.43	− 1 0.2	1.749	2.656	12.1	20.7
6 10	14 40.89	− 0 42.0	1.812	2.644	15.2	20.8

509271 2006 UD_{230} 5 8.9 185°.08 0°.3/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.27	−17 29.5	3.322	4.113	9.5	23.4
4 11	15 23.46	−17 12.7	3.226	4.113	7.3	23.2
4 21	15 17.29	−16 50.8	3.155	4.112	4.9	23.1
5 1	15 10.15	−16 25.1	3.112	4.110	2.2	22.9
5 11	15 2.59	−15 57.4	3.100	4.108	0.7	22.8
5 21	14 55.16	−15 29.7	3.117	4.106	3.5	23.0
5 31	14 48.40	−15 4.6	3.164	4.103	6.1	23.1
6 10	14 42.77	−14 44.0	3.238	4.099	8.5	23.3

502263 2015 BW_{121} 5 8.9 289°.05 0°.5/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.56	−19 50.5	1.721	2.539	15.8	21.2
4 11	15 26.67	−19 46.5	1.633	2.533	12.4	20.9
4 21	15 20.15	−19 32.6	1.567	2.528	8.5	20.7
5 1	15 11.65	−19 9.6	1.525	2.523	4.0	20.4
5 11	15 2.19	−18 39.8	1.508	2.518	1.0	20.2
5 21	14 52.91	−18 7.3	1.519	2.513	5.6	20.5
5 31	14 44.95	−17 37.1	1.555	2.508	10.1	20.7
6 10	14 39.18	−17 13.8	1.613	2.503	14.0	20.9

56006 1998 TJ_{13} 5 8.9 209°.65 0°.3/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 34.95	−19 8.0	1.654	2.467	16.5	19.1
4 11	15 30.21	−19 4.5	1.565	2.463	13.0	18.9
4 21	15 22.60	−18 51.2	1.497	2.458	8.8	18.6
5 1	15 12.79	−18 28.9	1.454	2.453	4.1	18.3
5 11	15 1.89	−18 0.0	1.437	2.447	1.0	18.1
5 21	14 51.18	−17 28.5	1.447	2.440	6.0	18.4
5 31	14 41.91	−16 59.7	1.483	2.433	10.7	18.7
6 10	14 35.04	−16 38.4	1.541	2.425	14.8	18.9

386778 2010 DF_{24} 5 8.9 135°.79 2°.7/ 7.2 17

4 1	15 30.64	− 9 23.0	2.273	3.088	12.5	21.2
4 11	15 25.83	− 9 10.2	2.193	3.093	9.7	21.0
4 21	15 19.11	− 8 56.5	2.137	3.097	6.6	20.8
5 1	15 11.04	− 8 44.5	2.107	3.102	3.6	20.6
5 11	15 2.37	− 8 36.8	2.106	3.106	3.1	20.6
5 21	14 53.93	− 8 35.7	2.133	3.110	5.8	20.8
5 31	14 46.49	− 8 43.1	2.186	3.114	9.0	21.0
6 10	14 40.66	− 8 59.8	2.264	3.118	11.9	21.2

69482 1996 XC_{26} 5 8.9 134°.99 0°.6/ 9.3 18

4 1	15 34.37	−20 54.5	1.913	2.714	15.1	20.2
4 11	15 29.12	−20 39.4	1.837	2.727	11.8	20.0
4 21	15 21.47	−20 13.8	1.783	2.740	8.0	19.8
5 1	15 12.13	−19 38.7	1.755	2.752	3.7	19.6
5 11	15 2.10	−18 57.0	1.754	2.763	1.0	19.4
5 21	14 52.45	−18 13.0	1.781	2.774	5.1	19.7
5 31	14 44.17	−17 31.7	1.836	2.784	9.1	20.0
6 10	14 37.98	−16 57.6	1.914	2.793	12.6	20.2

353457 2011 RG_{13} 5 8.9 165°.59 5°.7/ 4.2 18

4 1	15 26.96	− 0 41.1	2.439	3.257	11.7	21.6
4 11	15 22.83	+ 0 11.4	2.365	3.258	9.4	21.5
4 21	15 17.04	+ 1 0.4	2.315	3.259	7.2	21.3
5 1	15 10.08	+ 1 41.6	2.291	3.260	5.8	21.2
5 11	15 2.64	+ 2 10.9	2.294	3.261	6.1	21.2
5 21	14 55.40	+ 2 25.4	2.325	3.262	8.0	21.4
5 31	14 49.04	+ 2 23.7	2.380	3.262	10.3	21.5
6 10	14 44.08	+ 2 6.2	2.457	3.263	12.5	21.7

215542 2002 WT_{25} 5 8.9 254°.19 3°.6/ 4.5 18

4 1	15 23.57	+ 2 1.9	4.491	5.288	7.1	20.5
4 11	15 19.47	+ 2 15.2	4.405	5.283	5.8	20.4
4 21	15 14.47	+ 2 24.8	4.345	5.278	4.5	20.3
5 1	15 8.85	+ 2 28.9	4.313	5.273	3.7	20.2
5 11	15 2.96	+ 2 26.0	4.310	5.268	3.8	20.2
5 21	14 57.15	+ 2 15.1	4.335	5.263	4.9	20.3
5 31	14 51.79	+ 1 55.8	4.388	5.258	6.2	20.4
6 10	14 47.16	+ 1 28.2	4.466	5.253	7.6	20.5

220393 2003 QN_{88} 5 8.9 245°.79 18°.9/10.9 18

4 1	15 55.46	−44 43.4	1.272	1.989	25.3	20.4
4 11	15 51.02	−48 13.1	1.189	1.978	23.3	20.2
4 21	15 40.15	−51 30.9	1.122	1.966	21.2	20.0
5 1	15 22.38	−54 17.2	1.074	1.954	19.5	19.8
5 11	14 59.05	−56 11.5	1.045	1.941	18.9	19.7
5 21	14 33.64	−57 0.5	1.036	1.928	19.5	19.7
5 31	14 10.95	−56 46.7	1.046	1.914	21.3	19.7
6 10	13 54.72	−55 48.6	1.071	1.899	23.7	19.9

460133 2014 PG_{45} 5 8.9 214°.14 3°.0/10.5 16

4 1	15 34.99	−25 5.6	1.599	2.401	17.5	22.4
4 11	15 30.51	−25 21.2	1.511	2.397	14.1	22.2
4 21	15 22.96	−25 22.9	1.443	2.393	10.1	21.9
5 1	15 13.01	−25 9.0	1.397	2.388	5.7	21.7
5 11	15 1.85	−24 40.4	1.378	2.383	3.1	21.5
5 21	14 50.88	−24 0.5	1.384	2.377	6.2	21.7
5 31	14 41.49	−23 15.7	1.416	2.372	10.6	21.9
6 10	14 34.68	−22 33.3	1.471	2.365	14.8	22.1

350770 2002 AJ_{191} 5 8.9 156°.20 0°.6/ 8.4 17

4 1	15 27.96	−16 46.0	2.715	3.517	11.1	22.6
4 11	15 23.50	−16 24.6	2.629	3.523	8.5	22.4
4 21	15 17.44	−15 57.6	2.567	3.528	5.7	22.2
5 1	15 10.26	−15 26.7	2.533	3.532	2.5	22.0
5 11	15 2.60	−14 54.2	2.528	3.536	1.1	21.9
5 21	14 55.13	−14 23.0	2.552	3.540	4.2	22.2
5 31	14 48.50	−13 56.0	2.604	3.544	7.2	22.4
6 10	14 43.22	−13 35.5	2.681	3.547	9.9	22.5

240742 2005 JL_{90} 5 8.9 324°.25 1°.3/ 8.1 17

4 1	15 28.18	−15 3.8	1.961	2.784	13.9	20.4
4 11	15 24.39	−14 46.3	1.875	2.779	10.8	20.2
4 21	15 18.41	−14 23.0	1.810	2.775	7.2	19.9
5 1	15 10.81	−13 55.9	1.771	2.770	3.3	19.7
5 11	15 2.45	−13 28.4	1.759	2.766	1.8	19.6
5 21	14 54.26	−13 3.9	1.774	2.762	5.6	19.8
5 31	14 47.19	−12 46.2	1.815	2.758	9.5	20.0
6 10	14 41.92	−12 37.9	1.879	2.755	12.9	20.2

380641 2004 XN_{107} 5 8.9 216°.62 3°.9/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 32.56	−31 53.8	2.607	3.355	12.9	21.3
4 11	15 27.50	−31 55.6	2.499	3.345	10.6	21.1
4 21	15 20.35	−31 43.4	2.413	3.335	8.1	20.9
5 1	15 11.66	−31 15.9	2.353	3.324	5.5	20.7
5 11	15 2.23	−30 33.4	2.320	3.313	3.9	20.6
5 21	14 52.93	−29 38.6	2.317	3.300	5.0	20.6
5 31	14 44.63	−28 35.9	2.341	3.287	7.5	20.8
6 10	14 38.03	−27 31.0	2.392	3.274	10.3	20.9

433354 2013 RL_{90} 5 8.9 207°.45 2°.9/10.9 17

4 1	15 33.31	−26 40.5	2.194	2.972	14.1	22.6
4 11	15 28.37	−26 50.8	2.096	2.967	11.4	22.4
4 21	15 21.08	−26 49.0	2.020	2.961	8.2	22.2
5 1	15 12.04	−26 34.0	1.969	2.955	4.9	21.9
5 11	15 2.13	−26 6.6	1.946	2.949	2.9	21.8
5 21	14 52.36	−25 29.4	1.951	2.941	5.0	21.9
5 31	14 43.73	−24 46.9	1.984	2.934	8.4	22.1
6 10	14 37.01	−24 4.6	2.041	2.925	11.7	22.3

31507 Williamjin 5 8.9 83°.70 3°.8/11.1 18

4 1	15 34.07	−27 18.4	1.434	2.240	19.0	18.6
4 11	15 29.87	−27 28.0	1.365	2.251	15.3	18.4
4 21	15 22.47	−27 19.6	1.314	2.263	11.0	18.2
5 1	15 12.72	−26 51.8	1.286	2.274	6.5	17.9
5 11	15 1.97	−26 6.4	1.282	2.285	3.8	17.8
5 21	14 51.73	−25 8.9	1.303	2.297	6.4	18.0
5 31	14 43.35	−24 7.1	1.349	2.308	10.8	18.2
6 10	14 37.74	−23 9.4	1.417	2.319	14.8	18.5

248433 2005 TY_{9} 5 8.9 181°.03 2°.9/11.6 17

4 1	15 28.70	−28 57.8	2.687	3.453	12.1	21.1
4 11	15 24.32	−28 57.2	2.592	3.453	9.8	20.9
4 21	15 18.12	−28 44.7	2.519	3.453	7.2	20.7
5 1	15 10.61	−28 19.8	2.473	3.453	4.6	20.6
5 11	15 2.53	−27 43.9	2.454	3.453	2.9	20.4
5 21	14 54.63	−26 59.3	2.464	3.453	4.3	20.5
5 31	14 47.65	−26 10.0	2.502	3.452	6.9	20.7
6 10	14 42.18	−25 20.5	2.566	3.451	9.6	20.9

160011 1098 $T\text{-}_{2}$ 5 8.9 257°.21 0°.9/ 9.5 18

4 1	15 29.97	−21 24.8	1.996	2.802	14.4	20.4
4 11	15 25.91	−21 13.2	1.899	2.792	11.4	20.2
4 21	15 19.52	−20 50.8	1.824	2.781	7.8	20.0
5 1	15 11.36	−20 18.5	1.773	2.770	3.8	19.7
5 11	15 2.32	−19 38.5	1.750	2.759	1.1	19.5
5 21	14 53.42	−18 54.6	1.754	2.748	5.0	19.7
5 31	14 45.63	−18 12.0	1.785	2.736	9.1	20.0
6 10	14 39.76	−17 35.3	1.840	2.725	12.8	20.2

210745 2000 UY_{91} 5 8.9 245°.95 3°.3/10.7 17

4 1	15 35.24	−25 42.5	1.792	2.583	16.3	20.9
4 11	15 30.59	−26 2.9	1.689	2.568	13.3	20.7
4 21	15 23.01	−26 10.7	1.607	2.553	9.6	20.4
5 1	15 13.09	−26 3.8	1.548	2.536	5.7	20.1
5 11	15 1.87	−25 42.3	1.516	2.520	3.3	19.9
5 21	14 50.64	−25 8.5	1.511	2.502	6.0	20.1
5 31	14 40.74	−24 27.8	1.532	2.484	10.2	20.3
6 10	14 33.20	−23 47.1	1.576	2.466	14.2	20.5

505877 2015 DT_{106} 5 8.9 306°.48 0°.8/ 8.6 17

4 1	15 31.74	−14 51.8	1.625	2.452	16.1	20.7
4 11	15 27.84	−15 2.8	1.532	2.439	12.7	20.4
4 21	15 21.13	−15 9.4	1.460	2.425	8.5	20.1
5 1	15 12.21	−15 12.9	1.412	2.412	3.9	19.8
5 11	15 2.10	−15 15.2	1.390	2.399	1.5	19.6
5 21	14 52.04	−15 18.7	1.394	2.386	6.3	19.9
5 31	14 43.28	−15 26.7	1.423	2.374	11.0	20.1
6 10	14 36.81	−15 42.0	1.474	2.361	15.2	20.3

359989 2012 VA_{46} 5 8.9 260°.86 2°.6/10.8 17

4 1	15 29.52	−26 1.5	2.153	2.942	14.0	21.1
4 11	15 25.44	−26 3.7	2.057	2.936	11.3	20.9
4 21	15 19.14	−25 53.5	1.983	2.929	8.1	20.7
5 1	15 11.17	−25 30.6	1.934	2.923	4.7	20.5
5 11	15 2.40	−24 56.3	1.912	2.917	2.6	20.3
5 21	14 53.78	−24 13.7	1.918	2.910	4.8	20.4
5 31	14 46.27	−23 27.4	1.950	2.904	8.3	20.6
6 10	14 40.58	−22 42.8	2.007	2.897	11.6	20.8

433680 2014 EH_{29} 5 8.9 303°.28 1°.0/ 8.3 16

4 1	15 28.06	−15 41.3	2.055	2.875	13.5	21.0
4 11	15 24.30	−15 29.3	1.960	2.862	10.5	20.8
4 21	15 18.38	−15 11.5	1.887	2.850	7.0	20.6
5 1	15 10.84	−14 49.4	1.839	2.838	3.2	20.3
5 11	15 2.49	−14 25.9	1.818	2.827	1.5	20.2
5 21	14 54.24	−14 4.2	1.825	2.815	5.4	20.4
5 31	14 47.00	−13 47.9	1.858	2.804	9.2	20.6
6 10	14 41.51	−13 39.8	1.915	2.792	12.7	20.8

158436 2002 CF_{47} 5 8.9 25°.35 2°.1/10.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 26.14	−25 8.3	1.284	2.117	19.3	19.4
4 11	15 23.81	−24 45.3	1.224	2.129	15.3	19.2
4 21	15 18.43	−24 2.8	1.182	2.143	10.6	19.0
5 1	15 10.88	−23 2.5	1.162	2.158	5.5	18.7
5 11	15 2.51	−21 49.7	1.166	2.175	2.1	18.6
5 21	14 54.70	−20 32.2	1.194	2.192	6.1	18.9
5 31	14 48.69	−19 18.9	1.246	2.210	10.9	19.2
6 10	14 45.26	−18 17.3	1.319	2.229	15.1	19.5

92316 2000 GX_{6} 5 8.9 319°.01 0°.5/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.61	−17 24.4	1.124	1.981	19.8	19.7
4 11	15 25.11	−17 20.6	1.033	1.956	15.8	19.4
4 21	15 20.06	−17 5.6	0.961	1.933	10.8	19.0
5 1	15 11.99	−16 40.7	0.908	1.910	4.9	18.6
5 11	15 2.14	−16 9.8	0.878	1.888	1.6	18.3
5 21	14 52.17	−15 38.5	0.870	1.866	8.0	18.6
5 31	14 43.86	−15 14.1	0.883	1.846	14.2	18.9
6 10	14 38.63	−15 3.2	0.914	1.828	19.7	19.1

475192 2005 UK_{517} 5 8.9 251°.65 5°.4/ 3.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.32	− 3 53.4	2.471	3.294	11.4	21.8
4 11	15 21.63	− 2 24.1	2.387	3.285	9.1	21.6
4 21	15 16.30	− 0 53.8	2.327	3.277	6.8	21.4
5 1	15 9.81	+ 0 32.0	2.295	3.269	5.5	21.3
5 11	15 2.78	+ 1 47.6	2.292	3.260	6.0	21.3
5 21	14 55.92	+ 2 48.6	2.315	3.251	8.1	21.4
5 31	14 49.86	+ 3 31.7	2.365	3.242	10.5	21.6
6 10	14 45.17	+ 3 55.8	2.436	3.233	12.9	21.7

501064 2013 SH_{30} 5 8.9 189°.29 0°.3/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.35	−19 30.5	2.395	3.190	12.6	22.5
4 11	15 27.24	−19 22.9	2.301	3.189	9.9	22.3
4 21	15 20.13	−19 7.8	2.231	3.187	6.7	22.1
5 1	15 11.57	−18 45.9	2.187	3.185	3.1	21.8
5 11	15 2.33	−18 19.2	2.173	3.182	0.8	21.6
5 21	14 53.25	−17 50.5	2.187	3.178	4.4	21.9
5 31	14 45.17	−17 23.2	2.230	3.174	7.9	22.1
6 10	14 38.73	−17 0.8	2.297	3.169	11.0	22.3

86166 1999 RE_{208} 5 8.9 254°.43 3°.1/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.38	−29 38.4	2.664	3.428	12.2	19.5
4 11	15 24.20	−29 31.7	2.555	3.415	10.0	19.4
4 21	15 18.13	−29 12.1	2.468	3.401	7.4	19.2
5 1	15 10.68	−28 39.1	2.407	3.387	4.7	19.0
5 11	15 2.55	−27 53.7	2.374	3.373	3.1	18.8
5 21	14 54.53	−26 58.8	2.369	3.358	4.4	18.9
5 31	14 47.41	−25 58.4	2.393	3.343	7.2	19.0
6 10	14 41.81	−24 57.7	2.442	3.328	10.0	19.2

186913 2004 MS_{2} 5 8.9 320°.90 2°.1/ 7.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.32	−18 11.5	1.477	2.317	16.8	19.9
4 11	15 22.95	−16 55.3	1.389	2.304	13.1	19.6
4 21	15 17.85	−15 22.2	1.321	2.291	8.7	19.3
5 1	15 10.69	−13 37.1	1.278	2.279	4.0	19.0
5 11	15 2.54	−11 48.1	1.260	2.267	2.9	18.9
5 21	14 54.62	−10 4.9	1.268	2.255	7.6	19.1
5 31	14 48.10	− 8 36.8	1.300	2.245	12.4	19.4
6 10	14 43.85	− 7 30.2	1.353	2.234	16.7	19.6

368812 2006 AA_{11} 5 8.9 200°.43 1°.2/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.15	−22 19.5	2.782	3.560	11.5	21.9
4 11	15 27.64	−22 18.0	2.679	3.554	9.1	21.7
4 21	15 20.31	−22 8.4	2.599	3.548	6.3	21.5
5 1	15 11.63	−21 50.9	2.547	3.541	3.2	21.3
5 11	15 2.31	−21 26.7	2.525	3.533	1.2	21.1
5 21	14 53.10	−20 58.0	2.533	3.524	3.9	21.3
5 31	14 44.74	−20 27.9	2.569	3.514	7.0	21.5
6 10	14 37.85	−20 0.1	2.633	3.503	9.9	21.7

468573 2007 ER_{145} 5 8.9 76°.81 3°.6/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 30.45	−10 49.6	1.695	2.527	15.4	21.6
4 11	15 26.18	−10 3.4	1.632	2.541	11.9	21.4
4 21	15 19.55	− 9 13.5	1.591	2.556	8.0	21.2
5 1	15 11.29	− 8 24.6	1.575	2.571	4.4	21.0
5 11	15 2.42	− 7 41.8	1.586	2.586	4.1	21.0
5 21	14 53.98	− 7 9.8	1.623	2.600	7.3	21.3
5 31	14 46.92	− 6 51.8	1.685	2.615	11.0	21.5
6 10	14 41.91	− 6 49.4	1.768	2.630	14.3	21.7

269988 2000 UF_{87} 5 8.9 202°.90 2°.1/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.34	−14 39.7	2.325	3.137	12.4	21.7
4 11	15 24.87	−13 40.0	2.233	3.132	9.6	21.5
4 21	15 18.52	−12 32.9	2.165	3.128	6.4	21.2
5 1	15 10.83	−11 21.6	2.125	3.122	3.1	21.0
5 11	15 2.53	−10 10.9	2.113	3.116	2.6	21.0
5 21	14 54.43	− 9 5.6	2.130	3.110	5.7	21.2
5 31	14 47.29	− 8 10.2	2.175	3.103	9.0	21.4
6 10	14 41.72	− 7 28.0	2.244	3.095	12.1	21.5

470515 2008 CX_{134} 5 8.9 107°.77 5°.1/ 4.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 26.60	− 3 29.0	2.357	3.179	11.9	21.7
4 11	15 22.60	− 2 30.0	2.286	3.185	9.4	21.5
4 21	15 16.92	− 1 32.5	2.240	3.191	7.0	21.4
5 1	15 10.06	− 0 41.1	2.220	3.197	5.3	21.3
5 11	15 2.74	− 0 0.3	2.227	3.203	5.6	21.3
5 21	14 55.65	+ 0 26.8	2.261	3.209	7.6	21.4
5 31	14 49.48	+ 0 38.1	2.321	3.214	10.1	21.6
6 10	14 44.75	+ 0 33.6	2.403	3.220	12.5	21.8

175881 1999 VJ_{188} 5 8.9 215°.38 1°.6/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.96	−14 51.3	2.038	2.849	13.9	21.4
4 11	15 28.07	−14 26.0	1.943	2.841	10.9	21.2
4 21	15 20.88	−13 54.2	1.871	2.833	7.3	21.0
5 1	15 11.97	−13 18.3	1.825	2.823	3.4	20.7
5 11	15 2.23	−12 41.7	1.807	2.813	2.0	20.6
5 21	14 52.62	−12 8.3	1.817	2.803	5.8	20.8
5 31	14 44.12	−11 42.0	1.854	2.791	9.7	21.0
6 10	14 37.50	−11 26.2	1.914	2.779	13.3	21.2

303226 2004 NY_{30} 5 8.9 177°.20 5°.0/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 25.87	+ 6 0.2	4.031	4.818	8.0	21.6
4 11	15 21.32	+ 6 44.6	3.958	4.821	6.7	21.5
4 21	15 15.73	+ 7 24.0	3.910	4.823	5.6	21.4
5 1	15 9.46	+ 7 55.6	3.890	4.824	5.0	21.4
5 11	15 2.90	+ 8 17.0	3.898	4.825	5.3	21.4
5 21	14 56.47	+ 8 26.8	3.934	4.825	6.3	21.5
5 31	14 50.56	+ 8 24.2	3.996	4.824	7.6	21.6
6 10	14 45.52	+ 8 9.7	4.082	4.823	9.0	21.7

65517 4759 $P–L$ 5 8.9 288°.60 0°.2/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.29	−18 22.1	2.285	3.095	12.6	20.6
4 11	15 23.53	−18 5.2	2.181	3.078	9.9	20.4
4 21	15 17.80	−17 40.6	2.101	3.062	6.6	20.1
5 1	15 10.57	−17 9.5	2.046	3.045	3.0	19.9
5 11	15 2.59	−16 34.6	2.019	3.028	0.9	19.7
5 21	14 54.68	−15 59.2	2.020	3.012	4.7	19.9
5 31	14 47.67	−15 27.1	2.048	2.995	8.4	20.1
6 10	14 42.25	−15 1.8	2.101	2.979	11.7	20.3

22246 4380 $T\text{-}_{3}$ 5 8.9 168°.70 1°.0/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.23	−15 26.1	2.163	2.973	13.2	19.8
4 11	15 26.49	−15 12.9	2.078	2.976	10.3	19.6
4 21	15 19.69	−14 54.2	2.016	2.978	6.8	19.4
5 1	15 11.38	−14 31.8	1.981	2.980	3.1	19.2
5 11	15 2.40	−14 8.3	1.974	2.982	1.5	19.0
5 21	14 53.64	−13 46.9	1.994	2.983	5.1	19.3
5 31	14 45.95	−13 30.8	2.043	2.984	8.8	19.5
6 10	14 40.00	−13 22.4	2.115	2.984	12.0	19.7

174808 2003 XF_{4} 5 8.9 125°.68 3°.5/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.05	−10 20.7	1.754	2.579	15.2	20.4
4 11	15 28.18	− 9 44.7	1.684	2.589	11.8	20.2
4 21	15 20.91	− 9 5.6	1.637	2.600	8.0	20.0
5 1	15 11.93	− 8 27.6	1.615	2.610	4.4	19.8
5 11	15 2.27	− 7 55.3	1.619	2.619	3.9	19.8
5 21	14 52.99	− 7 32.6	1.651	2.628	7.2	20.0
5 31	14 45.08	− 7 22.6	1.708	2.637	11.0	20.3
6 10	14 39.25	− 7 26.9	1.787	2.646	14.3	20.5

172439 2003 QP_{40} 5 8.9 290°.95 5°.5/11.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.13	−29 34.3	1.474	2.274	18.8	20.2
4 11	15 28.90	−30 7.8	1.379	2.258	15.7	19.9
4 21	15 22.30	−30 24.2	1.301	2.242	11.9	19.6
5 1	15 12.91	−30 19.5	1.245	2.226	7.9	19.4
5 11	15 1.96	−29 52.3	1.213	2.210	5.6	19.2
5 21	14 51.01	−29 5.3	1.205	2.195	7.5	19.3
5 31	14 41.68	−28 5.4	1.221	2.179	11.7	19.4
6 10	14 35.20	−27 2.4	1.258	2.164	16.0	19.6

100297 1995 FU_{2} 5 8.9 257°.38 1°.5/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.72	−14 35.6	2.128	2.946	13.2	20.5
4 11	15 24.66	−14 12.7	2.037	2.939	10.2	20.2
4 21	15 18.53	−13 44.1	1.969	2.933	6.8	20.0
5 1	15 10.89	−13 12.2	1.927	2.926	3.2	19.8
5 11	15 2.53	−12 40.2	1.912	2.919	2.0	19.7
5 21	14 54.32	−12 11.7	1.926	2.912	5.5	19.9
5 31	14 47.12	−11 50.2	1.965	2.905	9.1	20.1
6 10	14 41.61	−11 38.4	2.029	2.898	12.4	20.3

297685 2001 UU_{174} 5 8.9 133°.69 1°.0/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 36.64	−21 33.2	1.800	2.600	15.9	22.1
4 11	15 31.05	−21 24.6	1.727	2.615	12.5	21.9
4 21	15 22.86	−21 4.7	1.674	2.630	8.5	21.7
5 1	15 12.83	−20 34.1	1.647	2.644	4.1	21.5
5 11	15 2.05	−19 55.5	1.648	2.657	1.2	21.3
5 21	14 51.70	−19 13.3	1.676	2.669	5.3	21.6
5 31	14 42.86	−18 32.7	1.731	2.680	9.5	21.9
6 10	14 36.29	−17 58.7	1.810	2.691	13.1	22.1

328414 2008 SP_{126} 5 8.9 82°.63 0°.4/ 9.4 16 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 24.82	−20 30.6	3.112	3.906	10.0	21.5
4 11	15 20.92	−20 13.6	3.030	3.917	7.8	21.3
4 21	15 15.66	−19 50.0	2.972	3.928	5.2	21.2
5 1	15 9.47	−19 20.9	2.942	3.939	2.4	21.0
5 11	15 2.91	−18 48.4	2.940	3.950	0.6	20.8
5 21	14 56.53	−18 14.8	2.968	3.960	3.3	21.1
5 31	14 50.87	−17 42.8	3.025	3.971	6.0	21.3
6 10	14 46.37	−17 14.9	3.107	3.982	8.4	21.4

459438 2012 TZ_{103} 5 8.9 265°.80 0°.1/ 8.7 17

4 1	15 20.08	−18 12.2	4.601	5.395	7.0	21.9
4 11	15 16.91	−17 50.7	4.501	5.390	5.4	21.8
4 21	15 12.84	−17 25.1	4.426	5.384	3.6	21.6
5 1	15 8.18	−16 56.7	4.380	5.379	1.6	21.5
5 11	15 3.24	−16 26.8	4.364	5.373	0.5	21.3
5 21	14 58.38	−15 56.9	4.378	5.368	2.5	21.5
5 31	14 53.94	−15 28.9	4.421	5.362	4.4	21.7
6 10	14 50.22	−15 4.3	4.491	5.357	6.2	21.8

384914 2012 TQ_{57} 5 8.9 213°.16 0°.5/ 9.3 17

4 1	15 29.44	−20 19.2	2.273	3.075	13.0	21.5
4 11	15 25.13	−20 7.1	2.180	3.071	10.2	21.3
4 21	15 18.80	−19 46.3	2.110	3.068	6.9	21.1
5 1	15 11.00	−19 17.8	2.066	3.064	3.2	20.8
5 11	15 2.51	−18 43.9	2.050	3.060	0.8	20.6
5 21	14 54.19	−18 7.8	2.063	3.055	4.5	20.9
5 31	14 46.87	−17 33.4	2.103	3.051	8.1	21.1
6 10	14 41.21	−17 4.6	2.167	3.046	11.3	21.3

136171 2003 UE_{119} 5 8.9 308°.99 0°.4/ 8.7 17

4 1	15 29.08	−17 48.5	1.910	2.728	14.4	20.7
4 11	15 25.18	−17 31.1	1.825	2.726	11.3	20.5
4 21	15 19.00	−17 5.4	1.761	2.724	7.5	20.2
5 1	15 11.12	−16 33.2	1.722	2.721	3.4	20.0
5 11	15 2.47	−15 57.6	1.710	2.719	1.1	19.8
5 21	14 54.03	−15 22.6	1.725	2.717	5.4	20.1
5 31	14 46.77	−14 52.5	1.767	2.715	9.4	20.3
6 10	14 41.41	−14 31.2	1.831	2.713	13.0	20.5

508197 2015 FS_{365} 5 8.9 325°.43 3°.0/11.1 17

4 1	15 25.97	−28 18.4	1.557	2.367	17.5	20.0
4 11	15 23.59	−27 50.8	1.463	2.352	14.3	19.7
4 21	15 18.38	−27 1.4	1.387	2.339	10.3	19.4
5 1	15 10.98	−25 49.9	1.335	2.326	6.0	19.1
5 11	15 2.51	−24 19.7	1.307	2.313	3.0	18.9
5 21	14 54.25	−22 37.9	1.305	2.301	5.9	19.1
5 31	14 47.46	−20 54.1	1.328	2.290	10.5	19.3
6 10	14 43.07	−19 18.3	1.374	2.280	14.9	19.5

376635 2013 PD_{70} 5 8.9 262°.43 2°.7/ 7.2 18

4 1	15 30.78	−12 56.9	1.778	2.604	15.0	20.8
4 11	15 26.79	−12 18.6	1.681	2.588	11.8	20.5
4 21	15 20.27	−11 33.5	1.606	2.570	7.9	20.2
5 1	15 11.79	−10 45.1	1.555	2.553	4.0	20.0
5 11	15 2.30	− 9 58.3	1.532	2.535	3.3	19.9
5 21	14 52.89	− 9 18.0	1.535	2.517	7.1	20.1
5 31	14 44.65	− 8 49.3	1.563	2.499	11.3	20.3
6 10	14 38.45	− 8 35.3	1.614	2.480	15.2	20.5

255896 2006 SA_{289} 5 8.9 156°.76 1°.2/ 8.3 18

4 1	15 34.22	−14 44.1	1.814	2.630	15.2	20.7
4 11	15 29.21	−14 39.6	1.734	2.634	11.8	20.5
4 21	15 21.71	−14 30.0	1.675	2.638	7.9	20.3
5 1	15 12.36	−14 17.0	1.642	2.641	3.6	20.0
5 11	15 2.18	−14 3.2	1.637	2.645	1.7	19.9
5 21	14 52.27	−13 51.7	1.658	2.647	5.9	20.2
5 31	14 43.68	−13 45.9	1.707	2.650	10.0	20.4
6 10	14 37.21	−13 48.4	1.778	2.652	13.7	20.7

385211 1999 TG_{212} 5 8.9 175°.86 1°.3/10.0 17

4 1	15 31.56	−23 9.2	2.676	3.457	11.8	22.8
4 11	15 26.43	−23 3.3	2.583	3.459	9.3	22.7
4 21	15 19.50	−22 48.5	2.513	3.462	6.4	22.5
5 1	15 11.27	−22 25.1	2.470	3.463	3.3	22.3
5 11	15 2.47	−21 54.5	2.456	3.464	1.4	22.1
5 21	14 53.84	−21 19.5	2.472	3.464	3.9	22.3
5 31	14 46.14	−20 43.5	2.517	3.464	7.0	22.5
6 10	14 39.94	−20 10.2	2.587	3.463	9.9	22.7

273683 2007 EX_{16} 5 8.9 120°.42 5°.9/ 4.4 17

4 1	15 30.31	− 3 45.0	2.049	2.871	13.5	21.5
4 11	15 25.61	− 2 27.7	1.988	2.886	10.6	21.4
4 21	15 18.97	− 1 11.7	1.951	2.901	7.8	21.2
5 1	15 11.00	− 0 2.9	1.940	2.916	6.0	21.1
5 11	15 2.55	+ 0 52.8	1.956	2.930	6.4	21.2
5 21	14 54.48	+ 1 31.6	1.999	2.944	8.6	21.3
5 31	14 47.55	+ 1 51.2	2.068	2.957	11.3	21.5
6 10	14 42.33	+ 1 51.7	2.158	2.969	13.8	21.7

386949 2011 ST_{27} 5 8.9 327°.47 5°.3/12.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 30.13	−31 57.8	2.017	2.787	15.4	20.3
4 11	15 26.31	−32 30.3	1.924	2.781	12.9	20.1
4 21	15 19.95	−32 47.8	1.850	2.775	9.9	19.9
5 1	15 11.64	−32 47.7	1.800	2.770	7.1	19.7
5 11	15 2.35	−32 29.3	1.776	2.764	5.4	19.6
5 21	14 53.19	−31 54.6	1.777	2.759	6.4	19.6
5 31	14 45.28	−31 8.6	1.805	2.754	9.1	19.8
6 10	14 39.46	−30 17.8	1.856	2.750	12.2	20.0

230914 2004 TD_{260} 5 8.9 232°.60 0°.5/ 8.6 18

4 1	15 30.17	−17 51.9	2.152	2.960	13.4	21.3
4 11	15 25.83	−17 27.4	2.055	2.951	10.4	21.1
4 21	15 19.35	−16 54.6	1.980	2.941	7.0	20.8
5 1	15 11.29	−16 15.2	1.932	2.931	3.1	20.6
5 11	15 2.46	−15 32.3	1.911	2.920	1.1	20.4
5 21	14 53.76	−14 49.8	1.919	2.909	5.1	20.7
5 31	14 46.09	−14 12.0	1.954	2.898	8.9	20.9
6 10	14 40.16	−13 42.8	2.013	2.886	12.3	21.1

85892 1999 CH_{47} 5 8.9 351°.31 11°.8/ 2.0 17

4 1	15 22.03	+ 2 41.0	1.144	2.010	18.9	18.3
4 11	15 20.82	+ 4 18.7	1.083	2.000	15.8	18.0
4 21	15 16.64	+ 5 48.4	1.042	1.991	13.1	17.9
5 1	15 10.20	+ 6 58.1	1.020	1.984	11.8	17.7
5 11	15 2.74	+ 7 36.9	1.019	1.978	12.7	17.8
5 21	14 55.59	+ 7 39.0	1.037	1.975	15.3	17.9
5 31	14 50.04	+ 7 3.7	1.074	1.973	18.6	18.1
6 10	14 47.00	+ 5 55.1	1.127	1.972	21.7	18.3

157632 2005 WO_{162} 5 8.9 194°.94 0°.1/ 9.1 17 R

4 1	15 30.99	−19 37.5	2.120	2.924	13.7	21.0
4 11	15 26.45	−19 19.2	2.030	2.923	10.7	20.8
4 21	15 19.75	−18 51.8	1.962	2.921	7.2	20.6
5 1	15 11.46	−18 16.5	1.920	2.918	3.3	20.4
5 11	15 2.44	−17 36.2	1.906	2.915	0.8	20.2
5 21	14 53.62	−16 54.5	1.920	2.912	4.9	20.5
5 31	14 45.91	−16 16.0	1.962	2.909	8.7	20.7
6 10	14 39.99	−15 44.7	2.027	2.904	12.1	20.9

410405 2007 XR_{30} 5 8.9 158°.94 1°.0/ 8.3 16

4 1	15 34.03	−16 21.6	1.927	2.738	14.6	22.3
4 11	15 28.89	−16 0.5	1.847	2.744	11.4	22.1
4 21	15 21.39	−15 32.2	1.789	2.751	7.6	21.9
5 1	15 12.20	−14 58.6	1.757	2.756	3.4	21.7
5 11	15 2.27	−14 23.2	1.753	2.761	1.5	21.5
5 21	14 52.64	−13 49.8	1.777	2.765	5.6	21.8
5 31	14 44.29	−13 22.7	1.827	2.769	9.6	22.1
6 10	14 37.95	−13 5.1	1.901	2.772	13.1	22.3

102294 1999 TW_{79} 5 8.9 335°.34 0°.0/ 8.7 17

4 1	15 26.00	−17 31.5	1.130	1.988	19.7	19.5
4 11	15 24.50	−17 41.7	1.048	1.970	15.6	19.2
4 21	15 19.54	−17 42.5	0.983	1.954	10.7	18.9
5 1	15 11.72	−17 34.8	0.938	1.939	4.9	18.5
5 11	15 2.33	−17 21.5	0.916	1.926	1.3	18.2
5 21	14 52.98	−17 7.0	0.916	1.914	7.5	18.6
5 31	14 45.36	−16 57.1	0.937	1.903	13.3	18.8
6 10	14 40.73	−16 57.1	0.977	1.893	18.5	19.1

276982 2004 WD_{1} 5 8.9 211°.94 0°.8/ 9.6 18

4 1	15 29.83	−21 59.5	2.058	2.861	14.1	21.0
4 11	15 25.66	−21 39.4	1.967	2.858	11.1	20.7
4 21	15 19.27	−21 8.0	1.899	2.855	7.6	20.5
5 1	15 11.26	−20 26.3	1.855	2.852	3.7	20.3
5 11	15 2.50	−19 37.2	1.839	2.848	1.0	20.1
5 21	14 53.95	−18 44.8	1.851	2.845	4.8	20.3
5 31	14 46.54	−17 54.3	1.890	2.841	8.7	20.5
6 10	14 40.97	−17 10.5	1.953	2.837	12.2	20.8

426483 2013 RK_{17} 5 8.9 136°.55 4°.1/ 5.6 17

4 1	15 30.43	− 7 52.4	2.239	3.056	12.6	22.2
4 11	15 25.59	− 6 48.5	2.170	3.070	9.8	22.1
4 21	15 18.92	− 5 42.9	2.125	3.082	6.8	21.9
5 1	15 10.99	− 4 40.2	2.107	3.095	4.5	21.8
5 11	15 2.59	− 3 45.2	2.118	3.106	4.6	21.8
5 21	14 54.51	− 3 2.0	2.156	3.117	7.0	22.0
5 31	14 47.48	− 2 33.4	2.221	3.128	9.9	22.2
6 10	14 42.06	− 2 20.5	2.309	3.137	12.5	22.3

38456 1999 TO_{6} 5 8.9 218°.60 0°.6/ 8.4 18

4 1	15 27.31	−16 37.3	2.880	3.681	10.5	19.5
4 11	15 23.02	−16 16.6	2.781	3.674	8.2	19.3
4 21	15 17.19	−15 50.5	2.707	3.667	5.4	19.1
5 1	15 10.24	−15 20.5	2.660	3.659	2.4	18.9
5 11	15 2.77	−14 48.8	2.642	3.651	1.1	18.8
5 21	14 55.41	−14 18.1	2.654	3.642	4.0	19.0
5 31	14 48.79	−13 51.2	2.694	3.633	7.0	19.2
6 10	14 43.43	−13 30.5	2.760	3.624	9.6	19.3

422964 2003 CJ_{14} 5 8.9 117°.13 9°.6/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 31.17	+ 7 14.2	1.963	2.772	14.4	21.4
4 11	15 26.35	+ 8 45.0	1.914	2.787	12.2	21.3
4 21	15 19.49	+10 5.3	1.888	2.802	10.4	21.2
5 1	15 11.25	+11 7.7	1.886	2.817	9.6	21.2
5 11	15 2.54	+11 46.5	1.909	2.831	10.2	21.2
5 21	14 54.23	+11 59.1	1.956	2.844	11.8	21.3
5 31	14 47.15	+11 45.6	2.026	2.857	13.8	21.5
6 10	14 41.87	+11 8.8	2.114	2.870	15.8	21.7

32190 2000 NM_{26} 5 8.9 193°.04 2°.0/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.11	−13 6.4	2.669	3.481	11.0	19.4
4 11	15 22.91	−12 22.6	2.580	3.479	8.5	19.2
4 21	15 17.12	−11 34.0	2.515	3.477	5.6	19.1
5 1	15 10.20	−10 43.6	2.478	3.475	2.9	18.9
5 11	15 2.79	− 9 54.8	2.470	3.472	2.4	18.8
5 21	14 55.55	− 9 11.0	2.490	3.469	5.0	19.0
5 31	14 49.12	− 8 35.3	2.539	3.466	7.9	19.2
6 10	14 44.01	− 8 10.0	2.612	3.462	10.6	19.4

241371 2008 QK_{5} 5 8.9 147°.74 2°.5/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.59	−11 48.9	2.445	3.256	11.9	21.5
4 11	15 24.87	−11 3.8	2.367	3.266	9.1	21.4
4 21	15 18.41	−10 14.9	2.314	3.275	6.1	21.2
5 1	15 10.77	− 9 25.4	2.288	3.284	3.3	21.0
5 11	15 2.65	− 8 39.0	2.291	3.292	2.9	21.0
5 21	14 54.79	− 7 59.4	2.323	3.299	5.6	21.2
5 31	14 47.88	− 7 29.4	2.383	3.306	8.5	21.4
6 10	14 42.45	− 7 11.1	2.466	3.313	11.3	21.6

184579 2005 QP_{105} 5 8.9 220°.00 2°.4/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.26	−12 46.2	1.945	2.765	14.1	21.2
4 11	15 26.82	−12 15.7	1.856	2.759	11.0	20.9
4 21	15 20.09	−11 40.2	1.789	2.753	7.4	20.7
5 1	15 11.66	−11 2.5	1.749	2.746	3.7	20.5
5 11	15 2.42	−10 26.7	1.735	2.739	2.9	20.4
5 21	14 53.35	− 9 56.9	1.749	2.732	6.4	20.6
5 31	14 45.43	− 9 36.8	1.790	2.724	10.2	20.8
6 10	14 39.39	− 9 29.0	1.853	2.716	13.7	21.0

277822 2006 GV_{44} 5 8.9 316°.77 1°.6/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.59	−21 54.4	1.678	2.496	16.1	20.5
4 11	15 25.43	−22 2.4	1.582	2.480	12.9	20.2
4 21	15 19.57	−21 59.4	1.505	2.464	9.0	20.0
5 1	15 11.56	−21 45.1	1.453	2.449	4.6	19.7
5 11	15 2.42	−21 21.1	1.426	2.434	1.7	19.4
5 21	14 53.33	−20 50.9	1.424	2.420	5.7	19.6
5 31	14 45.50	−20 19.4	1.448	2.406	10.2	19.9
6 10	14 39.91	−19 52.3	1.494	2.392	14.4	20.1

213951 2003 WK_{167} 5 8.9 118°.98 5°.1/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.80	− 7 21.8	1.638	2.470	15.8	20.2
4 11	15 27.39	− 6 27.9	1.570	2.478	12.4	20.0
4 21	15 20.49	− 5 32.8	1.525	2.486	8.7	19.8
5 1	15 11.81	− 4 42.0	1.503	2.493	5.6	19.6
5 11	15 2.40	− 4 1.5	1.508	2.500	5.6	19.6
5 21	14 53.39	− 3 35.9	1.539	2.507	8.6	19.8
5 31	14 45.77	− 3 28.1	1.594	2.514	12.3	20.0
6 10	14 40.31	− 3 38.6	1.670	2.520	15.6	20.3

152208 2005 QS_{171} 5 8.9 224°.30 1°.5/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.48	−24 1.6	2.803	3.585	11.3	21.3
4 11	15 24.09	−23 54.3	2.700	3.576	9.0	21.1
4 21	15 17.98	−23 37.9	2.620	3.567	6.3	20.9
5 1	15 10.63	−23 12.6	2.566	3.558	3.4	20.7
5 11	15 2.69	−22 39.9	2.542	3.549	1.5	20.6
5 21	14 54.85	−22 2.3	2.547	3.539	3.8	20.7
5 31	14 47.82	−21 23.1	2.580	3.529	6.8	20.9
6 10	14 42.17	−20 46.1	2.639	3.518	9.5	21.1

250390 2003 UQ_{147} 5 8.9 245°.23 1°.6/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.72	−22 13.1	1.916	2.714	15.2	21.5
4 11	15 29.93	−22 18.8	1.810	2.697	12.1	21.3
4 21	15 22.46	−22 14.1	1.726	2.679	8.5	21.0
5 1	15 12.86	−21 58.4	1.666	2.661	4.4	20.7
5 11	15 2.10	−21 32.7	1.633	2.641	1.7	20.5
5 21	14 51.33	−21 0.2	1.628	2.622	5.4	20.7
5 31	14 41.74	−20 25.6	1.650	2.601	9.8	20.9
6 10	14 34.28	−19 54.3	1.696	2.580	13.7	21.1

197526 2004 EF_{3} 5 8.9 39°.60 7°.4/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.06	+ 1 6.4	1.890	2.717	14.2	19.7
4 11	15 24.13	+ 2 3.4	1.829	2.725	11.5	19.5
4 21	15 18.13	+ 2 54.1	1.791	2.733	9.0	19.4
5 1	15 10.69	+ 3 32.7	1.777	2.742	7.5	19.3
5 11	15 2.70	+ 3 54.1	1.788	2.751	7.9	19.3
5 21	14 55.04	+ 3 55.6	1.824	2.760	9.9	19.5
5 31	14 48.55	+ 3 36.4	1.884	2.770	12.4	19.6
6 10	14 43.83	+ 2 58.1	1.965	2.779	14.9	19.8

10747 Köthen 5 8.9 163°.25 1°.1/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 33.56	−17 19.9	1.660	2.479	16.2	18.4
4 11	15 28.92	−16 44.6	1.582	2.484	12.6	18.2
4 21	15 21.62	−15 59.1	1.524	2.488	8.4	18.0
5 1	15 12.37	−15 6.2	1.492	2.491	3.8	17.7
5 11	15 2.27	−14 10.6	1.486	2.494	1.8	17.6
5 21	14 52.52	−13 18.0	1.507	2.496	6.3	17.9
5 31	14 44.23	−12 34.1	1.554	2.498	10.8	18.1
6 10	14 38.22	−12 3.2	1.623	2.499	14.6	18.4

436929 2012 TT_{112} 5 8.9 334°.96 2°.6/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.58	−24 53.3	1.861	2.663	15.4	21.3
4 11	15 25.84	−25 2.3	1.773	2.659	12.4	21.1
4 21	15 19.61	−24 58.7	1.705	2.656	8.8	20.9
5 1	15 11.50	−24 42.1	1.661	2.653	4.9	20.6
5 11	15 2.48	−24 13.8	1.644	2.650	2.6	20.5
5 21	14 53.65	−23 37.1	1.653	2.647	5.3	20.6
5 31	14 46.08	−22 57.0	1.688	2.645	9.2	20.9
6 10	14 40.59	−22 19.2	1.747	2.642	12.8	21.1

294757 2008 CQ_{19} 5 8.9 235°.66 3°.5/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.42	−29 45.1	2.438	3.205	13.1	20.9
4 11	15 25.18	−29 51.6	2.340	3.201	10.8	20.7
4 21	15 18.90	−29 44.9	2.264	3.196	8.0	20.6
5 1	15 11.10	−29 24.3	2.212	3.191	5.2	20.4
5 11	15 2.58	−28 50.4	2.189	3.185	3.5	20.3
5 21	14 54.22	−28 5.9	2.193	3.180	4.8	20.3
5 31	14 46.87	−27 15.1	2.224	3.175	7.6	20.5
6 10	14 41.21	−26 23.1	2.281	3.169	10.5	20.7

390961 2005 OQ_{31} 5 8.9 259°.55 3°.4/ 5.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 26.46	− 9 36.7	2.377	3.199	11.8	21.6
4 11	15 22.68	− 8 41.8	2.284	3.187	9.2	21.4
4 21	15 17.11	− 7 43.3	2.215	3.176	6.3	21.2
5 1	15 10.26	− 6 45.1	2.173	3.164	3.9	21.0
5 11	15 2.80	− 5 51.5	2.158	3.153	3.9	21.0
5 21	14 55.48	− 5 6.7	2.172	3.141	6.4	21.2
5 31	14 49.00	− 4 34.1	2.212	3.129	9.4	21.3
6 10	14 43.97	− 4 15.7	2.276	3.117	12.3	21.5

503877 2000 SR_{344} 5 8.9 255°.97 4°.7/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.35	− 7 29.5	2.157	2.979	12.9	21.8
4 11	15 25.18	− 6 19.7	2.056	2.958	10.2	21.6
4 21	15 18.95	− 5 5.9	1.979	2.937	7.2	21.4
5 1	15 11.16	− 3 53.0	1.928	2.915	5.0	21.2
5 11	15 2.57	− 2 46.8	1.905	2.892	5.3	21.1
5 21	14 54.04	− 1 52.8	1.910	2.869	8.0	21.3
5 31	14 46.44	− 1 14.9	1.941	2.845	11.2	21.4
6 10	14 40.47	− 0 55.4	1.994	2.821	14.3	21.6

121153 1999 JQ_{88} 5 8.9 357°.89 4°.0/ 7.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.11	−11 12.1	1.102	1.966	19.6	18.9
4 11	15 25.05	−10 44.8	1.035	1.962	15.4	18.6
4 21	15 19.64	−10 12.8	0.987	1.960	10.4	18.3
5 1	15 11.65	− 9 41.2	0.959	1.958	5.5	18.0
5 11	15 2.45	− 9 16.6	0.954	1.958	4.6	18.0
5 21	14 53.60	− 9 4.5	0.971	1.959	9.1	18.2
5 31	14 46.59	− 9 9.1	1.009	1.961	14.2	18.5
6 10	14 42.43	− 9 32.0	1.065	1.964	18.8	18.8

380178 2000 SO_{91} 5 8.9 258°.74 1°.7/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.28	−16 47.5	2.030	2.846	13.8	21.0
4 11	15 25.32	−15 48.2	1.927	2.828	10.8	20.8
4 21	15 19.13	−14 37.7	1.846	2.810	7.2	20.5
5 1	15 11.27	−13 19.3	1.792	2.791	3.3	20.2
5 11	15 2.56	−11 58.1	1.765	2.771	2.3	20.1
5 21	14 53.96	−10 40.3	1.767	2.751	6.1	20.3
5 31	14 46.40	− 9 32.0	1.795	2.731	10.1	20.5
6 10	14 40.64	− 8 37.9	1.847	2.710	13.7	20.7

215980 2005 RP_{22} 5 8.9 252°.43 0°.3/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.30	−18 49.9	2.580	3.382	11.6	20.9
4 11	15 23.28	−18 21.0	2.476	3.369	9.0	20.7
4 21	15 17.51	−17 44.1	2.396	3.355	6.0	20.5
5 1	15 10.45	−17 0.8	2.343	3.342	2.7	20.3
5 11	15 2.78	−16 13.7	2.318	3.327	0.8	20.1
5 21	14 55.20	−15 26.4	2.323	3.313	4.3	20.3
5 31	14 48.45	−14 42.7	2.355	3.298	7.6	20.5
6 10	14 43.10	−14 5.9	2.412	3.283	10.6	20.7

483570 2004 CL_{52} 5 8.9 150°.13 18°.8/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 38.36	+21 9.5	1.306	2.091	21.6	21.0
4 11	15 33.08	+23 31.7	1.273	2.099	20.0	20.9
4 21	15 24.51	+25 25.4	1.258	2.107	19.0	20.9
5 1	15 13.66	+26 36.8	1.260	2.113	18.9	20.9
5 11	15 2.01	+26 57.8	1.280	2.119	19.7	21.0
5 21	14 51.08	+26 27.2	1.318	2.125	21.0	21.1
5 31	14 42.18	+25 10.1	1.370	2.129	22.7	21.2
6 10	14 36.15	+23 15.8	1.435	2.133	24.4	21.4

215690 2003 YM_{54} 5 8.9 213°.21 3°.4/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 33.55	− 9 51.5	1.831	2.652	14.8	20.8
4 11	15 28.74	− 9 25.7	1.745	2.647	11.6	20.5
4 21	15 21.46	− 8 57.4	1.680	2.642	7.9	20.3
5 1	15 12.34	− 8 30.2	1.641	2.636	4.4	20.1
5 11	15 2.32	− 8 8.0	1.629	2.629	3.8	20.0
5 21	14 52.49	− 7 54.5	1.644	2.622	7.2	20.2
5 31	14 43.89	− 7 52.8	1.685	2.615	11.1	20.4
6 10	14 37.32	− 8 4.3	1.748	2.607	14.6	20.6

299323 2005 QX_{118} 5 8.9 204°.77 1°.5/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.49	−14 29.3	2.330	3.146	12.2	21.5
4 11	15 23.49	−14 2.0	2.244	3.145	9.5	21.3
4 21	15 17.66	−13 29.5	2.181	3.145	6.3	21.1
5 1	15 10.52	−12 54.2	2.145	3.144	2.9	20.8
5 11	15 2.80	−12 19.2	2.137	3.143	1.9	20.8
5 21	14 55.26	−11 47.9	2.157	3.143	5.1	21.0
5 31	14 48.65	−11 23.5	2.204	3.142	8.4	21.2
6 10	14 43.56	−11 8.4	2.275	3.141	11.4	21.4

321299 2009 FU_{60} 5 8.9 6°.84 0°.3/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.71	−17 44.6	1.135	1.989	19.9	20.5
4 11	15 25.53	−17 41.8	1.068	1.989	15.6	20.2
4 21	15 19.97	−17 28.2	1.019	1.990	10.5	19.9
5 1	15 11.81	−17 5.6	0.991	1.992	4.7	19.6
5 11	15 2.46	−16 38.1	0.986	1.996	1.3	19.4
5 21	14 53.49	−16 11.3	1.004	2.000	7.2	19.7
5 31	14 46.40	−15 51.3	1.044	2.006	12.7	20.1
6 10	14 42.20	−15 42.9	1.103	2.013	17.4	20.3

282899 2007 GW_{35} 5 8.9 333°.66 1°.4/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.94	−14 35.5	1.427	2.270	17.1	20.1
4 11	15 25.22	−14 34.2	1.340	2.256	13.5	19.8
4 21	15 19.58	−14 27.1	1.273	2.242	9.1	19.5
5 1	15 11.64	−14 16.3	1.229	2.230	4.2	19.2
5 11	15 2.48	−14 5.2	1.210	2.218	2.0	19.0
5 21	14 53.42	−13 57.5	1.214	2.207	6.9	19.3
5 31	14 45.77	−13 57.2	1.243	2.197	11.9	19.5
6 10	14 40.56	−14 7.6	1.292	2.188	16.3	19.7

231938 2001 FU_{104} 5 8.9 73°.13 1°.0/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 33.08	−14 53.7	1.851	2.668	14.9	20.4
4 11	15 28.12	−14 53.7	1.786	2.687	11.5	20.2
4 21	15 20.85	−14 48.9	1.743	2.705	7.6	20.0
5 1	15 11.97	−14 40.9	1.725	2.724	3.4	19.8
5 11	15 2.46	−14 32.1	1.734	2.742	1.5	19.7
5 21	14 53.34	−14 25.3	1.771	2.761	5.5	20.0
5 31	14 45.57	−14 23.2	1.834	2.779	9.3	20.3
6 10	14 39.82	−14 28.3	1.921	2.797	12.7	20.5

425201 2009 VA_{4} 5 8.9 124°.73 1°.3/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.77	−22 12.2	2.065	2.862	14.3	22.2
4 11	15 27.85	−22 10.9	1.987	2.873	11.2	22.0
4 21	15 20.68	−21 59.6	1.930	2.884	7.7	21.8
5 1	15 11.91	−21 38.5	1.900	2.895	3.9	21.6
5 11	15 2.47	−21 9.8	1.896	2.905	1.4	21.4
5 21	14 53.33	−20 36.5	1.922	2.915	4.7	21.6
5 31	14 45.42	−20 3.2	1.974	2.924	8.4	21.9
6 10	14 39.43	−19 34.1	2.050	2.933	11.7	22.1

141144 2001 XU_{99} 5 8.9 150°.12 1°.9/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.53	−11 53.7	2.705	3.514	10.9	20.3
4 11	15 23.95	−11 30.8	2.623	3.520	8.4	20.1
4 21	15 17.80	−11 5.3	2.566	3.527	5.6	19.9
5 1	15 10.54	−10 39.3	2.536	3.533	2.8	19.8
5 11	15 2.81	−10 15.5	2.535	3.538	2.3	19.7
5 21	14 55.28	− 9 56.2	2.563	3.543	4.8	19.9
5 31	14 48.58	− 9 43.7	2.619	3.548	7.6	20.1
6 10	14 43.21	− 9 39.5	2.700	3.553	10.2	20.3

208934 2002 VR_{27} 5 8.9 173°.56 1°.0/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 28.89	−23 15.1	2.525	3.314	12.2	20.6
4 11	15 24.49	−22 48.3	2.434	3.316	9.6	20.5
4 21	15 18.27	−22 10.9	2.366	3.318	6.6	20.3
5 1	15 10.79	−21 24.1	2.324	3.319	3.3	20.1
5 11	15 2.75	−20 30.4	2.311	3.320	1.1	19.9
5 21	14 54.93	−19 33.5	2.328	3.321	4.0	20.1
5 31	14 48.06	−18 37.8	2.372	3.321	7.3	20.3
6 10	14 42.71	−17 47.5	2.442	3.321	10.3	20.5

349489 2008 FC_{131} 5 8.9 111°.83 1°.1/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 29.01	−21 55.9	2.451	3.245	12.3	21.5
4 11	15 24.64	−21 54.8	2.366	3.251	9.7	21.4
4 21	15 18.41	−21 45.2	2.304	3.257	6.7	21.2
5 1	15 10.86	−21 27.6	2.268	3.263	3.4	21.0
5 11	15 2.73	−21 3.8	2.260	3.269	1.2	20.8
5 21	14 54.81	−20 36.4	2.281	3.275	4.1	21.0
5 31	14 47.85	−20 8.6	2.330	3.280	7.3	21.3
6 10	14 42.44	−19 44.1	2.404	3.286	10.3	21.4

5511 Cloanthus 5 8.9 303°.82 2°.3/ 5.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
4 1	15 20.12	− 7 45.5	4.168	4.981	7.3	17.4
4 11	15 17.03	− 7 10.8	4.075	4.973	5.7	17.3
4 21	15 13.01	− 6 35.5	4.007	4.965	3.9	17.2
5 1	15 8.34	− 6 1.5	3.968	4.956	2.5	17.0
5 11	15 3.37	− 5 31.0	3.957	4.948	2.5	17.0
5 21	14 58.49	− 5 5.6	3.976	4.940	4.0	17.1
5 31	14 54.04	− 4 46.9	4.023	4.932	5.8	17.2
6 10	14 50.35	− 4 35.9	4.095	4.924	7.5	17.4

117317 2004 VL_{59} 5 8.9 147°.64 1°.0/ 9.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.44	−21 14.0	2.088	2.889	14.0	20.3
4 11	15 26.85	−21 10.7	2.004	2.893	11.0	20.1
4 21	15 20.06	−20 58.0	1.942	2.897	7.5	19.9
5 1	15 11.66	−20 36.4	1.905	2.901	3.7	19.7
5 11	15 2.55	−20 8.1	1.896	2.905	1.1	19.5
5 21	14 53.67	−19 36.2	1.915	2.909	4.7	19.7
5 31	14 45.95	−19 5.0	1.962	2.912	8.5	20.0
6 10	14 40.09	−18 38.4	2.032	2.915	11.8	20.2

255630 2006 QL_{1} 5 8.9 263°.97 4°.1/ 6.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.38	− 9 0.2	1.653	2.484	15.8	20.8
4 11	15 28.20	− 8 30.6	1.563	2.470	12.4	20.6
4 21	15 21.33	− 7 58.6	1.494	2.457	8.6	20.3
5 1	15 12.38	− 7 28.4	1.449	2.443	5.0	20.1
5 11	15 2.35	− 7 4.9	1.430	2.429	4.6	20.0
5 21	14 52.41	− 6 52.3	1.437	2.415	8.1	20.2
5 31	14 43.75	− 6 54.1	1.469	2.400	12.3	20.4
6 10	14 37.29	− 7 11.6	1.522	2.385	16.1	20.6

438409 2006 VT_{17} 5 8.9 259°.60 0°.8/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.57	−22 41.8	2.356	3.153	12.7	21.7
4 11	15 23.70	−22 11.9	2.255	3.143	10.0	21.5
4 21	15 17.90	−21 30.6	2.178	3.133	6.9	21.3
5 1	15 10.68	−20 39.1	2.126	3.122	3.4	21.0
5 11	15 2.80	−19 40.4	2.103	3.112	0.9	20.8
5 21	14 55.06	−18 38.4	2.108	3.101	4.4	21.1
5 31	14 48.28	−17 38.1	2.141	3.091	7.9	21.3
6 10	14 43.07	−16 44.1	2.199	3.080	11.1	21.4

478107 2011 UJ_{76} 5 8.9 194°.06 0°.8/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.79	−22 34.2	3.052	3.835	10.4	21.8
4 11	15 23.34	−22 10.8	2.953	3.833	8.2	21.6
4 21	15 17.39	−21 39.0	2.879	3.830	5.6	21.5
5 1	15 10.37	−20 59.6	2.832	3.827	2.8	21.3
5 11	15 2.89	−20 14.8	2.814	3.823	0.9	21.1
5 21	14 55.55	−19 27.2	2.826	3.819	3.5	21.3
5 31	14 48.96	−18 40.3	2.868	3.814	6.3	21.5
6 10	14 43.62	−17 57.3	2.935	3.809	8.9	21.6

341473 2007 TQ_{334} 5 9.0 229°.52 1°.3/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 31.40	−21 22.2	2.261	3.056	13.2	21.4
4 11	15 26.78	−21 35.5	2.166	3.052	10.5	21.2
4 21	15 20.03	−21 41.0	2.094	3.047	7.2	21.0
5 1	15 11.68	−21 38.4	2.048	3.042	3.7	20.7
5 11	15 2.55	−21 29.0	2.029	3.037	1.4	20.5
5 21	14 53.52	−21 14.6	2.039	3.032	4.5	20.8
5 31	14 45.51	−20 58.6	2.077	3.027	8.1	21.0
6 10	14 39.23	−20 44.6	2.139	3.021	11.3	21.2

164841 1999 TV_{112} 5 9.0 166°.25 1°.9/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 34.67	−24 35.9	2.158	2.941	14.2	20.8
4 11	15 29.32	−24 27.9	2.070	2.947	11.3	20.6
4 21	15 21.68	−24 7.8	2.005	2.952	7.9	20.4
5 1	15 12.40	−23 35.7	1.965	2.957	4.2	20.2
5 11	15 2.40	−22 53.6	1.954	2.961	1.9	20.0
5 21	14 52.67	−22 5.0	1.971	2.964	4.7	20.2
5 31	14 44.17	−21 15.1	2.016	2.966	8.3	20.5
6 10	14 37.59	−20 28.9	2.087	2.967	11.7	20.7

434962 2006 UO_{91} 5 9.0 2°.85 0°.8/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 27.29	−22 47.7	2.051	2.857	14.0	20.7
4 11	15 23.69	−22 13.5	1.964	2.856	11.0	20.5
4 21	15 17.97	−21 26.6	1.899	2.856	7.5	20.3
5 1	15 10.73	−20 28.6	1.860	2.857	3.6	20.1
5 11	15 2.82	−19 23.1	1.848	2.857	1.0	19.9
5 21	14 55.17	−18 15.2	1.863	2.857	4.7	20.1
5 31	14 48.64	−17 10.4	1.906	2.858	8.6	20.4
6 10	14 43.89	−16 14.0	1.973	2.859	12.0	20.6

459551 2013 GH_{46} 5 9.0 321°.76 5°.6/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
4 1	15 32.13	−26 4.2	1.221	2.046	20.6	21.2
4 11	15 29.55	−27 8.3	1.135	2.032	16.9	20.9
4 21	15 23.17	−28 0.2	1.066	2.018	12.6	20.6
5 1	15 13.56	−28 34.8	1.018	2.005	8.1	20.3
5 11	15 2.04	−28 49.0	0.992	1.992	5.6	20.1
5 21	14 50.43	−28 43.3	0.989	1.981	8.3	20.2
5 31	14 40.66	−28 23.1	1.008	1.970	13.0	20.5
6 10	14 34.17	−27 57.4	1.046	1.960	17.8	20.7