471147 2010 FA_{12} 8 8.9 167°.22 2°.6/ 7.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 30	21 44.67	−21 17.7	2.128	2.950	13.7	22.4
7 10	21 40.26	−21 52.6	2.048	2.953	10.8	22.2
7 20	21 33.65	−22 32.7	1.990	2.956	7.5	22.0
7 30	21 25.34	−23 13.2	1.958	2.958	4.1	21.8
8 9	21 16.11	−23 49.0	1.953	2.960	2.7	21.7
8 19	21 6.88	−24 15.8	1.976	2.962	5.4	21.9
8 29	20 58.62	−24 30.8	2.026	2.963	8.8	22.1
9 8	20 52.12	−24 33.3	2.099	2.964	11.9	22.3

502034 2015 AP_{126} 8 8.9 261°.85 0°.8/ 9.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 30	21 43.95	−12 4.9	1.597	2.418	17.5	22.2
7 10	21 40.61	−12 12.5	1.501	2.403	14.2	21.9
7 20	21 34.50	−12 34.1	1.424	2.387	10.1	21.6
7 30	21 26.05	−13 7.5	1.370	2.370	5.5	21.3
8 9	21 16.11	−13 48.4	1.340	2.354	0.9	20.9
8 19	21 5.85	−14 31.2	1.337	2.337	5.1	21.2
8 29	20 56.61	−15 10.3	1.359	2.320	10.1	21.4
9 8	20 49.55	−15 41.2	1.404	2.302	14.6	21.7

177669 2005 EK_{46} 8 8.9 99°.83 1°.6/10.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 30	21 44.08	− 9 38.2	1.529	2.346	18.4	20.7
7 10	21 40.41	− 9 50.6	1.461	2.358	14.8	20.5
7 20	21 34.07	−10 19.3	1.410	2.369	10.6	20.3
7 30	21 25.65	−11 1.8	1.382	2.381	5.8	20.0
8 9	21 16.12	−11 53.0	1.379	2.392	1.7	19.8
8 19	21 6.65	−12 46.8	1.402	2.402	4.8	20.0
8 29	20 58.46	−13 37.2	1.451	2.413	9.4	20.3
9 8	20 52.49	−14 19.5	1.522	2.423	13.5	20.6

77552 2001 JY_{6} 8 8.9 95°.03 0°.2/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 30	21 44.40	−13 10.9	1.589	2.413	17.5	19.8
7 10	21 40.54	−13 43.4	1.524	2.429	13.9	19.6
7 20	21 34.08	−14 29.6	1.479	2.444	9.6	19.4
7 30	21 25.62	−15 25.0	1.457	2.459	4.9	19.2
8 9	21 16.12	−16 23.4	1.460	2.474	0.2	18.8
8 19	21 6.74	−17 18.4	1.490	2.489	4.9	19.3
8 29	20 58.64	−18 4.6	1.546	2.503	9.4	19.6
9 8	20 52.71	−18 38.7	1.626	2.517	13.3	19.8

398941 2013 CU_{197} 8 8.9 140°.55 2°.6/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 30	21 38.32	− 5 3.4	2.299	3.080	14.1	22.1
7 10	21 35.01	− 5 21.1	2.211	3.083	11.5	21.9
7 20	21 29.91	− 5 53.4	2.144	3.085	8.5	21.7
7 30	21 23.42	− 6 39.0	2.101	3.088	5.3	21.5
8 9	21 16.15	− 7 35.1	2.084	3.091	2.7	21.3
8 19	21 8.82	− 8 37.3	2.096	3.093	3.8	21.4
8 29	21 2.21	− 9 41.0	2.135	3.096	6.9	21.6
9 8	20 56.97	−10 41.6	2.201	3.098	10.1	21.8

271080 2003 OU_{7} 8 8.9 51°.24 2°.1/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 30	21 39.30	− 5 0.4	1.460	2.273	19.3	19.7
7 10	21 36.60	− 5 54.4	1.404	2.297	15.6	19.5
7 20	21 31.38	− 7 11.5	1.366	2.321	11.2	19.3
7 30	21 24.24	− 8 47.6	1.350	2.346	6.4	19.1
8 9	21 16.14	−10 35.0	1.359	2.371	2.3	18.9
8 19	21 8.20	−12 24.3	1.395	2.396	4.7	19.1
8 29	21 1.53	−14 6.3	1.456	2.421	9.1	19.4
9 8	20 56.96	−15 34.2	1.541	2.446	13.1	19.7

15020 Brandonimber 8 8.9 201°.18 0°.7/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 30	21 44.15	−14 59.7	1.920	2.736	15.2	19.1
7 10	21 40.14	−15 30.5	1.833	2.733	12.1	18.9
7 20	21 33.77	−16 12.2	1.766	2.730	8.4	18.7
7 30	21 25.51	−17 1.1	1.723	2.726	4.3	18.4
8 9	21 16.15	−17 51.8	1.708	2.721	0.7	18.2
8 19	21 6.68	−18 39.1	1.720	2.716	4.7	18.5
8 29	20 58.16	−19 18.3	1.759	2.711	8.9	18.7
9 8	20 51.49	−19 46.5	1.822	2.705	12.6	18.9

371905 2008 CK_{198} 8 8.9 151°.70 0°.1/ 9.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 30	21 45.67	−13 41.0	1.784	2.598	16.2	22.0
7 10	21 41.37	−13 58.0	1.706	2.604	12.9	21.8
7 20	21 34.61	−14 26.3	1.648	2.610	9.0	21.6
7 30	21 25.91	−15 2.7	1.614	2.616	4.6	21.3
8 9	21 16.15	−15 42.4	1.607	2.621	0.1	20.9
8 19	21 6.40	−16 20.3	1.627	2.625	4.6	21.4
8 29	20 57.76	−16 52.2	1.673	2.629	8.9	21.6
9 8	20 51.13	−17 15.0	1.744	2.633	12.7	21.9

189538 2000 QK_{118} 8 8.9 297°.48 1°.9/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 30	21 47.62	−20 49.5	1.630	2.463	16.7	20.2
7 10	21 43.61	−20 42.1	1.531	2.441	13.4	19.9
7 20	21 36.64	−20 38.9	1.451	2.419	9.5	19.7
7 30	21 27.17	−20 35.8	1.394	2.396	5.0	19.3
8 9	21 16.15	−20 28.1	1.362	2.374	2.0	19.1
8 19	21 4.85	−20 12.3	1.357	2.352	5.9	19.3
8 29	20 54.69	−19 46.1	1.377	2.330	10.7	19.5
9 8	20 46.88	−19 9.6	1.420	2.309	15.1	19.7

511411 2014 HA_{70} 8 8.9 117°.67 0°.1/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
6 30	21 40.10	−13 8.7	2.064	2.879	14.3	22.2
7 10	21 36.68	−13 32.6	1.981	2.879	11.4	22.0
7 20	21 31.21	−14 7.3	1.918	2.880	8.0	21.8
7 30	21 24.13	−14 49.9	1.879	2.881	4.1	21.5
8 9	21 16.16	−15 36.1	1.868	2.881	0.1	21.2
8 19	21 8.13	−16 21.5	1.884	2.882	4.0	21.5
8 29	21 0.96	−17 1.6	1.926	2.883	7.9	21.8
9 8	20 55.40	−17 33.5	1.994	2.883	11.3	22.0

234319 2001 CR_{11} 8 8.9 271°.79 2°.2/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 30	21 46.21	−20 48.5	1.908	2.733	14.9	20.1
7 10	21 41.96	−21 0.1	1.810	2.716	11.9	19.9
7 20	21 35.17	−21 16.7	1.732	2.699	8.3	19.6
7 30	21 26.30	−21 34.4	1.680	2.681	4.4	19.4
8 9	21 16.16	−21 48.1	1.653	2.664	2.3	19.2
8 19	21 5.84	−21 53.9	1.654	2.646	5.5	19.4
8 29	20 56.50	−21 49.1	1.681	2.628	9.6	19.6
9 8	20 49.14	−21 32.9	1.732	2.609	13.4	19.8

206088 2002 RV_{133} 8 8.9 333°.60 7°.0/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 30	21 40.25	−28 47.9	1.537	2.396	16.3	19.1
7 10	21 38.02	−29 59.8	1.461	2.383	13.2	18.9
7 20	21 32.84	−31 14.7	1.406	2.372	9.9	18.7
7 30	21 25.22	−32 23.7	1.373	2.361	7.4	18.5
8 9	21 16.16	−33 17.5	1.364	2.351	7.4	18.5
8 19	21 6.98	−33 48.9	1.378	2.341	10.0	18.6
8 29	20 59.10	−33 54.5	1.416	2.333	13.4	18.8
9 8	20 53.66	−33 35.4	1.473	2.325	16.7	19.0

300594 2007 TN_{418} 8 8.9 204°.13 1°.4/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 30	21 40.79	− 9 56.7	2.099	2.900	14.6	21.5
7 10	21 37.19	−10 6.0	2.010	2.898	11.8	21.3
7 20	21 31.55	−10 27.3	1.942	2.897	8.4	21.1
7 30	21 24.31	−10 59.0	1.899	2.895	4.7	20.9
8 9	21 16.17	−11 37.6	1.881	2.893	1.5	20.7
8 19	21 7.94	−12 19.1	1.892	2.891	3.9	20.8
8 29	21 0.54	−12 59.5	1.930	2.889	7.6	21.1
9 8	20 54.72	−13 34.9	1.992	2.887	11.1	21.3

483622 2004 TZ_{141} 8 8.9 286°.47 7°.7/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 30	21 47.47	−38 8.2	2.328	3.147	12.8	21.7
7 10	21 42.87	−39 5.3	2.240	3.127	10.8	21.5
7 20	21 35.72	−39 57.6	2.175	3.106	8.9	21.4
7 30	21 26.53	−40 38.0	2.133	3.086	7.8	21.2
8 9	21 16.17	−41 0.1	2.117	3.066	8.1	21.2
8 19	21 5.70	−40 59.8	2.127	3.045	9.6	21.3
8 29	20 56.30	−40 35.9	2.161	3.025	11.7	21.4
9 8	20 48.91	−39 50.7	2.216	3.004	14.0	21.5

123821 2001 BH_{80} 8 8.9 115°.05 4°.2/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 30	21 43.67	−23 19.8	1.970	2.803	14.3	19.7
7 10	21 39.68	−24 34.8	1.905	2.815	11.2	19.5
7 20	21 33.37	−25 55.1	1.861	2.827	7.9	19.4
7 30	21 25.25	−27 13.8	1.843	2.839	5.0	19.2
8 9	21 16.17	−28 23.7	1.852	2.851	4.4	19.2
8 19	21 7.12	−29 18.8	1.889	2.862	6.9	19.4
8 29	20 59.14	−29 55.8	1.951	2.872	10.0	19.6
9 8	20 53.06	−30 14.2	2.036	2.883	12.9	19.8

470373 2007 TO_{133} 8 8.9 265°.85 2°.7/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
6 30	21 42.07	−20 40.3	2.007	2.837	14.1	21.2
7 10	21 38.50	−21 19.3	1.918	2.828	11.2	21.0
7 20	21 32.64	−22 5.0	1.851	2.819	7.8	20.7
7 30	21 24.94	−22 52.6	1.809	2.810	4.3	20.5
8 9	21 16.18	−23 36.5	1.793	2.801	2.8	20.4
8 19	21 7.29	−24 11.7	1.804	2.791	5.7	20.6
8 29	20 59.31	−24 34.5	1.841	2.782	9.3	20.8
9 8	20 53.12	−24 43.4	1.902	2.772	12.7	21.0

448385 2009 PS_{8} 8 9.0 354°.10 5°.0/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 44.04	−30 6.5	1.801	2.707	12.0	19.2
7 20	21 36.45	−30 7.0	1.744	2.704	8.8	19.0
7 30	21 26.82	−29 58.7	1.710	2.701	5.9	18.8
8 9	21 16.18	−29 37.0	1.703	2.698	5.1	18.7
8 19	21 5.70	−28 59.4	1.722	2.696	7.3	18.9
8 29	20 56.56	−28 6.2	1.767	2.695	10.5	19.1
9 8	20 49.67	−27 0.0	1.835	2.695	13.6	19.3
9 18	20 45.50	−25 44.5	1.924	2.695	16.3	19.5

17130 1999 JV_{79} 8 9.0 263°.34 2°.9/ 7.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.55	−19 34.8	1.467	2.382	13.6	17.7
7 20	21 34.58	−20 41.3	1.397	2.368	9.5	17.4
7 30	21 26.16	−21 54.2	1.351	2.353	5.1	17.1
8 9	21 16.18	−23 5.3	1.329	2.338	3.1	17.0
8 19	21 5.89	−24 6.4	1.334	2.323	6.9	17.2
8 29	20 56.71	−24 51.1	1.363	2.308	11.5	17.4
9 8	20 49.85	−25 16.7	1.413	2.292	15.8	17.6
9 18	20 46.04	−25 23.5	1.482	2.276	19.3	17.8

186770 2004 DE_{18} 8 9.0 219°.01 0°.7/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 40.26	−15 21.3	1.766	2.668	12.4	20.9
7 20	21 33.95	−16 3.9	1.697	2.662	8.6	20.7
7 30	21 25.65	−16 54.3	1.652	2.655	4.4	20.4
8 9	21 16.18	−17 47.1	1.634	2.647	0.7	20.1
8 19	21 6.55	−18 36.6	1.642	2.639	4.9	20.4
8 29	20 57.88	−19 17.9	1.678	2.630	9.2	20.6
9 8	20 51.12	−19 47.8	1.737	2.621	13.0	20.9
9 18	20 46.88	−20 5.1	1.817	2.612	16.2	21.1

512067 2015 MW_{126} 8 9.0 282°.46 3°.5/ 5.9 18

7 10	21 36.83	−22 58.9	1.986	2.898	10.7	20.8
7 20	21 31.50	−24 11.2	1.919	2.888	7.5	20.6
7 30	21 24.38	−25 25.1	1.878	2.877	4.5	20.4
8 9	21 16.20	−26 34.1	1.864	2.866	3.8	20.3
8 19	21 7.85	−27 32.0	1.877	2.856	6.4	20.4
8 29	21 0.33	−28 14.5	1.916	2.845	9.7	20.6
9 8	20 54.50	−28 39.8	1.978	2.835	12.9	20.8
9 18	20 50.96	−28 48.2	2.061	2.824	15.6	21.0

110882 2001 UF_{104} 8 9.0 291°.46 0°.8/ 9.6 18

7 10	21 36.58	−11 55.3	2.002	2.897	11.5	20.4
7 20	21 31.14	−12 20.9	1.937	2.896	8.1	20.2
7 30	21 24.12	−12 55.4	1.895	2.895	4.4	20.0
8 9	21 16.20	−13 35.2	1.880	2.894	0.8	19.7
8 19	21 8.22	−14 16.1	1.893	2.893	3.9	20.0
8 29	21 1.07	−14 54.0	1.933	2.892	7.7	20.2
9 8	20 55.50	−15 25.5	1.997	2.891	11.1	20.4
9 18	20 52.01	−15 48.7	2.083	2.890	14.0	20.6

151342 2002 CV_{236} 8 9.0 68°.07 1°.9/10.9 18

7 10	21 34.46	− 6 39.9	2.134	3.013	11.6	19.1
7 20	21 29.53	− 7 32.3	2.079	3.027	8.4	19.0
7 30	21 23.23	− 8 37.6	2.048	3.041	4.9	18.8
8 9	21 16.21	− 9 51.7	2.044	3.054	2.0	18.6
8 19	21 9.19	−11 9.2	2.069	3.068	3.6	18.8
8 29	21 2.95	−12 24.9	2.121	3.082	7.0	19.0
9 8	20 58.14	−13 34.0	2.200	3.096	10.1	19.2
9 18	20 55.18	−14 33.3	2.301	3.110	12.8	19.4

508002 2015 BM_{258} 8 9.0 131°.66 3°.4/11.0 17

7 10	21 40.43	− 6 43.0	1.581	2.465	14.6	21.4
7 20	21 34.06	− 6 39.9	1.521	2.469	10.8	21.2
7 30	21 25.69	− 6 51.7	1.483	2.473	6.7	20.9
8 9	21 16.21	− 7 16.0	1.470	2.477	3.5	20.7
8 19	21 6.70	− 7 48.8	1.484	2.481	5.1	20.9
8 29	20 58.31	− 8 25.2	1.523	2.485	9.1	21.1
9 8	20 51.97	− 9 0.4	1.586	2.489	12.9	21.3
9 18	20 48.24	− 9 30.5	1.669	2.492	16.3	21.6

170619 2003 YC_{51} 8 9.0 171°.65 2°.2/ 7.3 18

7 10	21 38.78	−20 24.0	1.960	2.868	11.1	20.1
7 20	21 32.72	−21 5.2	1.901	2.869	7.7	19.9
7 30	21 24.94	−21 48.4	1.867	2.869	4.1	19.7
8 9	21 16.21	−22 28.5	1.860	2.870	2.3	19.6
8 19	21 7.46	−23 0.8	1.881	2.870	5.2	19.8
8 29	20 59.66	−23 22.0	1.928	2.871	8.8	20.0
9 8	20 53.61	−23 30.7	1.999	2.871	12.1	20.2
9 18	20 49.84	−23 27.2	2.090	2.871	14.8	20.4

73487 2002 PD_{89} 8 9.0 263°.34 7°.1/14.3 18

7 10	21 36.98	+ 4 58.9	2.069	2.891	14.0	19.5
7 20	21 31.51	+ 5 23.4	1.983	2.877	11.6	19.3
7 30	21 24.38	+ 5 28.4	1.918	2.862	9.1	19.1
8 9	21 16.22	+ 5 13.1	1.877	2.847	7.4	19.0
8 19	21 7.82	+ 4 38.6	1.863	2.831	7.3	18.9
8 29	21 0.08	+ 3 48.7	1.874	2.816	9.1	19.0
9 8	20 53.81	+ 2 48.8	1.909	2.800	11.7	19.2
9 18	20 49.59	+ 1 44.8	1.967	2.784	14.4	19.3

315404 2007 VM_{181} 8 9.0 45°.16 8°.1/ 3.5 16

7 10	21 42.68	−35 42.8	1.681	2.586	12.8	20.3
7 20	21 35.73	−36 45.9	1.644	2.593	10.1	20.2
7 30	21 26.53	−37 35.8	1.631	2.601	8.4	20.1
8 9	21 16.22	−38 5.1	1.642	2.609	8.5	20.1
8 19	21 6.10	−38 9.4	1.677	2.617	10.3	20.3
8 29	20 57.48	−37 48.3	1.736	2.626	12.8	20.5
9 8	20 51.33	−37 5.1	1.815	2.635	15.4	20.6
9 18	20 48.11	−36 4.5	1.912	2.644	17.6	20.8

396163 2013 EJ_{48} 8 9.0 356°.01 5°.2/14.0 18

7 10	21 33.21	+ 2 20.6	1.931	2.778	14.0	20.6
7 20	21 28.87	+ 1 47.9	1.859	2.776	11.1	20.5
7 30	21 22.99	+ 0 53.3	1.809	2.775	8.0	20.3
8 9	21 16.22	− 0 21.0	1.784	2.774	5.6	20.1
8 19	21 9.35	− 1 50.4	1.785	2.773	5.6	20.1
8 29	21 3.24	− 3 28.3	1.813	2.773	8.0	20.3
9 8	20 58.62	− 5 7.1	1.866	2.773	11.1	20.5
9 18	20 56.01	− 6 40.4	1.943	2.774	14.0	20.7

244538 2002 UC_{30} 8 9.0 344°.88 6°.3/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 32.25	−25 7.2	1.159	2.097	14.4	18.4
7 20	21 29.19	−26 41.9	1.101	2.080	10.4	18.2
7 30	21 23.52	−28 18.4	1.065	2.064	7.0	17.9
8 9	21 16.23	−29 45.0	1.051	2.050	6.8	17.9
8 19	21 8.69	−30 51.0	1.059	2.037	10.2	18.0
8 29	21 2.47	−31 29.3	1.088	2.026	14.5	18.2
9 8	20 58.86	−31 38.3	1.136	2.017	18.5	18.5
9 18	20 58.57	−31 20.1	1.199	2.010	22.0	18.7

71214 1999 XG_{261} 8 9.0 169°.97 3°.9/ 5.7 18

7 10	21 41.01	−29 43.0	2.704	3.600	8.8	19.6
7 20	21 33.90	−30 5.2	2.647	3.602	6.5	19.5
7 30	21 25.42	−30 21.9	2.617	3.604	4.5	19.4
8 9	21 16.26	−30 29.4	2.616	3.606	4.1	19.3
8 19	21 7.17	−30 25.2	2.642	3.607	5.7	19.5
8 29	20 58.93	−30 8.5	2.697	3.608	8.0	19.6
9 8	20 52.19	−29 40.0	2.776	3.609	10.3	19.8
9 18	20 47.36	−29 1.3	2.878	3.610	12.3	19.9

311986 2007 FV_{16} 8 9.0 224°.27 1°.7/10.6 18

7 10	21 34.64	− 8 1.0	2.235	3.116	11.0	21.1
7 20	21 29.70	− 8 37.5	2.166	3.116	8.0	20.9
7 30	21 23.37	− 9 25.5	2.122	3.115	4.6	20.7
8 9	21 16.26	−10 21.7	2.104	3.115	1.8	20.5
8 19	21 9.07	−11 21.8	2.115	3.114	3.6	20.6
8 29	21 2.57	−12 21.2	2.153	3.114	6.9	20.8
9 8	20 57.43	−13 15.8	2.218	3.113	10.1	21.0
9 18	20 54.12	−14 2.5	2.305	3.113	12.8	21.2

139282 2001 JT_{5} 8 9.0 56°.29 0°.9/ 8.4 17

7 10	21 39.79	−15 21.1	1.273	2.190	15.1	19.8
7 20	21 33.85	−16 9.1	1.234	2.205	10.4	19.5
7 30	21 25.63	−17 5.7	1.217	2.221	5.2	19.3
8 9	21 16.28	−18 3.6	1.224	2.237	1.0	19.0
8 19	21 7.10	−18 55.4	1.256	2.254	5.7	19.4
8 29	20 59.42	−19 35.4	1.312	2.270	10.5	19.7
9 8	20 54.21	−20 0.9	1.389	2.287	14.7	20.0
9 18	20 51.95	−20 11.2	1.485	2.304	18.1	20.3

427435 2001 BC_{73} 8 9.0 59°.96 1°.4/ 7.7 18 R

7 10	21 37.77	−12 54.4	1.572	2.477	13.5	19.6
7 20	21 32.17	−15 4.9	1.536	2.503	9.1	19.4
7 30	21 24.71	−17 25.7	1.526	2.530	4.5	19.2
8 9	21 16.28	−19 46.1	1.544	2.556	1.5	19.1
8 19	21 7.94	−21 55.5	1.590	2.583	5.5	19.4
8 29	21 0.78	−23 45.8	1.663	2.609	9.7	19.7
9 8	20 55.64	−25 12.9	1.760	2.636	13.3	20.0
9 18	20 52.98	−26 16.2	1.877	2.662	16.1	20.3

245475 2005 NF_{64} 8 9.0 330°.31 0°.5/ 8.6 18

7 10	21 33.96	−11 59.5	1.722	2.627	12.5	19.6
7 20	21 29.66	−13 31.4	1.652	2.618	8.7	19.4
7 30	21 23.53	−15 17.8	1.606	2.609	4.4	19.1
8 9	21 16.28	−17 11.3	1.587	2.600	0.5	18.8
8 19	21 8.81	−19 3.3	1.595	2.592	4.8	19.1
8 29	21 2.17	−20 45.3	1.630	2.585	9.2	19.3
9 8	20 57.25	−22 11.5	1.689	2.578	13.1	19.6
9 18	20 54.68	−23 18.6	1.769	2.571	16.3	19.8

64345 2001 UY_{77} 8 9.0 291°.20 0°.8/ 8.5 18

7 10	21 37.11	−16 16.2	1.953	2.857	11.3	19.4
7 20	21 31.68	−16 47.7	1.878	2.844	7.8	19.2
7 30	21 24.51	−17 25.3	1.827	2.830	4.0	18.9
8 9	21 16.29	−18 4.5	1.804	2.817	0.8	18.7
8 19	21 7.91	−18 40.8	1.807	2.804	4.5	18.9
8 29	21 0.34	−19 10.3	1.837	2.790	8.4	19.1
9 8	20 54.42	−19 30.2	1.891	2.777	12.0	19.3
9 18	20 50.71	−19 39.4	1.966	2.764	15.1	19.5

508008 2015 BE_{301} 8 9.0 61°.31 0°.0/ 9.0 17

7 10	21 37.83	−12 51.6	1.510	2.416	13.8	20.7
7 20	21 32.32	−13 44.1	1.461	2.427	9.6	20.5
7 30	21 24.83	−14 47.4	1.436	2.438	4.9	20.2
8 9	21 16.30	−15 55.3	1.435	2.449	0.0	19.8
8 19	21 7.80	−17 0.7	1.461	2.461	4.9	20.3
8 29	21 0.49	−17 57.4	1.513	2.472	9.4	20.6
9 8	20 55.25	−18 41.6	1.587	2.484	13.3	20.9
9 18	20 52.60	−19 11.4	1.682	2.495	16.6	21.1

365113 2009 CH_{33} 8 9.0 313°.40 1°.8/ 8.0 17

7 10	21 38.02	−16 37.2	1.121	2.048	15.9	20.4
7 20	21 33.30	−17 26.2	1.054	2.030	11.1	20.0
7 30	21 25.72	−18 26.8	1.008	2.013	5.7	19.7
8 9	21 16.30	−19 31.0	0.983	1.996	1.9	19.4
8 19	21 6.48	−20 29.4	0.982	1.980	6.9	19.7
8 29	20 57.99	−21 13.9	1.003	1.964	12.7	19.9
9 8	20 52.23	−21 40.1	1.044	1.950	17.8	20.2
9 18	20 50.04	−21 47.0	1.101	1.936	22.1	20.4

431495 2007 TQ_{84} 8 9.0 247°.52 2°.5/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 38.46	−20 58.1	1.988	2.897	10.9	21.2
7 20	21 32.58	−21 45.1	1.923	2.890	7.6	21.0
7 30	21 24.95	−22 34.2	1.882	2.883	4.1	20.7
8 9	21 16.30	−23 19.9	1.868	2.876	2.6	20.6
8 19	21 7.55	−23 57.4	1.881	2.869	5.5	20.8
8 29	20 59.68	−24 23.0	1.921	2.862	9.0	21.0
9 8	20 53.53	−24 35.1	1.985	2.854	12.3	21.2
9 18	20 49.65	−24 34.0	2.070	2.847	15.1	21.4

41097 1999 VO_{61} 8 9.0 238°.38 4°.1/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 34.93	− 0 57.2	2.417	3.266	11.4	19.7
7 20	21 29.85	− 1 0.9	2.339	3.261	8.9	19.5
7 30	21 23.46	− 1 18.9	2.285	3.255	6.3	19.3
8 9	21 16.31	− 1 50.0	2.257	3.250	4.3	19.2
8 19	21 9.06	− 2 31.7	2.256	3.244	4.7	19.2
8 29	21 2.41	− 3 20.3	2.283	3.238	6.9	19.4
9 8	20 57.00	− 4 11.5	2.336	3.232	9.6	19.5
9 18	20 53.30	− 5 1.5	2.412	3.226	12.1	19.7

358438 2007 DZ_{82} 8 9.0 177°.01 8°.3/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.26	+10 29.9	1.729	2.526	17.4	21.7
7 20	21 33.97	+ 9 56.3	1.654	2.529	14.5	21.5
7 30	21 25.73	+ 8 50.8	1.600	2.531	11.5	21.3
8 9	21 16.33	+ 7 14.2	1.569	2.533	9.0	21.2
8 19	21 6.77	+ 5 11.5	1.564	2.533	8.4	21.2
8 29	20 58.17	+ 2 51.6	1.586	2.533	10.1	21.3
9 8	20 51.45	+ 0 25.8	1.634	2.531	13.0	21.4
9 18	20 47.22	− 1 55.6	1.706	2.529	16.0	21.6

217387 2004 XH_{103} 8 9.0 295°.52 6°.3/10.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 51.26	− 8 48.9	1.050	1.947	19.3	19.3
7 20	21 42.61	− 6 58.8	0.984	1.938	14.6	19.0
7 30	21 30.54	− 5 17.4	0.940	1.929	9.6	18.7
8 9	21 16.36	− 3 48.6	0.918	1.921	6.3	18.5
8 19	21 1.91	− 2 36.2	0.921	1.913	8.6	18.6
8 29	20 49.22	− 1 41.4	0.947	1.905	13.6	18.9
9 8	20 39.89	− 1 1.8	0.993	1.897	18.6	19.1
9 18	20 34.70	− 0 33.3	1.056	1.890	22.9	19.4

66478 1999 RB_{27} 8 9.0 317°.91 1°.5/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 35.54	−10 10.5	1.447	2.353	14.4	19.0
7 20	21 31.08	−10 40.1	1.369	2.333	10.4	18.7
7 30	21 24.41	−11 25.2	1.313	2.313	5.8	18.4
8 9	21 16.34	−12 21.6	1.281	2.294	1.5	18.0
8 19	21 7.93	−13 23.2	1.274	2.275	4.9	18.2
8 29	21 0.46	−14 22.9	1.291	2.257	9.9	18.5
9 8	20 55.03	−15 14.7	1.331	2.240	14.4	18.7
9 18	20 52.39	−15 54.6	1.389	2.223	18.4	18.9

521522 2015 OD_{98} 8 9.0 35°.05 0°.0/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 35.26	−12 43.9	2.048	2.946	11.1	21.4
7 20	21 30.26	−13 35.8	1.985	2.947	7.8	21.2
7 30	21 23.73	−14 36.6	1.947	2.949	4.0	21.0
8 9	21 16.34	−15 41.8	1.936	2.950	0.1	20.6
8 19	21 8.89	−16 45.9	1.953	2.952	3.9	21.0
8 29	21 2.22	−17 44.2	1.998	2.954	7.7	21.2
9 8	20 57.07	−18 32.8	2.067	2.956	11.0	21.4
9 18	20 53.92	−19 9.9	2.158	2.958	13.8	21.6

140324 2001 SK_{337} 8 9.0 230°.01 0°.5/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.45	−12 15.0	1.974	2.866	11.8	21.8
7 20	21 33.30	−12 47.5	1.896	2.855	8.3	21.5
7 30	21 25.37	−13 29.4	1.843	2.843	4.4	21.3
8 9	21 16.35	−14 16.7	1.817	2.831	0.6	21.0
8 19	21 7.14	−15 4.9	1.819	2.818	4.1	21.2
8 29	20 58.71	−15 49.1	1.849	2.805	8.2	21.4
9 8	20 51.95	−16 25.9	1.903	2.791	11.9	21.6
9 18	20 47.43	−16 53.1	1.979	2.777	15.0	21.8

101051 1998 QK_{106} 8 9.0 14°.76 5°.6/ 6.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 36.64	−24 35.4	0.883	1.827	17.1	18.0
7 20	21 32.37	−25 21.1	0.852	1.833	12.1	17.8
7 30	21 25.11	−26 3.7	0.839	1.842	7.3	17.6
8 9	21 16.36	−26 32.9	0.846	1.852	5.8	17.5
8 19	21 7.88	−26 41.6	0.874	1.864	9.4	17.8
8 29	21 1.41	−26 27.2	0.922	1.878	14.2	18.1
9 8	20 58.11	−25 51.6	0.988	1.894	18.5	18.4
9 18	20 58.36	−24 58.8	1.070	1.911	22.1	18.7

448091 2008 JD_{24} 8 9.0 93°.70 1°.7/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 35.74	−18 21.5	2.213	3.119	10.1	21.2
7 20	21 30.52	−19 22.8	2.157	3.123	6.9	21.1
7 30	21 23.84	−20 28.0	2.126	3.128	3.6	20.9
8 9	21 16.36	−21 31.9	2.122	3.133	1.8	20.7
8 19	21 8.84	−22 29.5	2.147	3.138	4.6	20.9
8 29	21 2.09	−23 16.9	2.200	3.142	7.9	21.2
9 8	20 56.81	−23 51.9	2.277	3.147	10.9	21.4
9 18	20 53.46	−24 13.7	2.375	3.152	13.4	21.5

311436 2005 UC_{219} 8 9.0 151°.78 4°.3/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 35.73	+ 0 14.7	2.592	3.430	11.1	21.7
7 20	21 30.29	+ 0 16.5	2.523	3.435	8.7	21.6
7 30	21 23.66	+ 0 4.7	2.477	3.441	6.3	21.4
8 9	21 16.36	− 0 19.9	2.458	3.446	4.5	21.3
8 19	21 9.03	− 0 55.1	2.467	3.450	4.7	21.4
8 29	21 2.31	− 1 37.5	2.504	3.455	6.6	21.5
9 8	20 56.79	− 2 23.3	2.567	3.459	9.0	21.6
9 18	20 52.88	− 3 8.9	2.654	3.463	11.3	21.8

232850 2004 TP_{161} 8 9.0 243°.72 2°.6/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.90	− 7 14.0	1.808	2.691	13.1	20.6
7 20	21 32.27	− 7 28.6	1.737	2.686	9.7	20.4
7 30	21 24.85	− 7 57.2	1.688	2.680	5.8	20.1
8 9	21 16.37	− 8 36.7	1.666	2.675	2.7	19.9
8 19	21 7.75	− 9 23.0	1.670	2.669	4.4	20.0
8 29	20 59.99	−10 11.1	1.701	2.663	8.3	20.3
9 8	20 53.98	−10 56.2	1.756	2.657	12.0	20.5
9 18	20 50.26	−11 34.7	1.833	2.651	15.2	20.7

170005 2002 TR_{296} 8 9.0 322°.41 2°.1/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.02	−18 49.7	1.702	2.616	12.1	20.0
7 20	21 31.81	−19 42.6	1.639	2.609	8.4	19.7
7 30	21 24.66	−20 40.6	1.599	2.603	4.4	19.5
8 9	21 16.37	−21 37.4	1.585	2.596	2.2	19.3
8 19	21 7.97	−22 26.9	1.598	2.590	5.6	19.5
8 29	21 0.53	−23 4.3	1.636	2.584	9.7	19.8
9 8	20 55.01	−23 27.1	1.697	2.579	13.4	20.0
9 18	20 51.97	−23 34.9	1.777	2.573	16.5	20.2

278299 2007 GB_{64} 8 9.0 359°.76 4°.0/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.21	−22 47.3	1.275	2.202	14.3	20.1
7 20	21 33.03	−23 34.5	1.224	2.199	10.0	19.8
7 30	21 25.39	−24 22.4	1.196	2.198	5.8	19.6
8 9	21 16.38	−25 2.9	1.190	2.197	4.2	19.5
8 19	21 7.37	−25 29.2	1.209	2.198	7.6	19.7
8 29	20 59.80	−25 37.4	1.251	2.199	12.0	19.9
9 8	20 54.75	−25 27.0	1.313	2.201	16.1	20.2
9 18	20 52.82	−25 0.0	1.392	2.204	19.5	20.4

376695 2013 QS_{79} 8 9.0 231°.37 1°.9/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.13	−19 27.8	1.619	2.527	13.0	21.2
7 20	21 36.14	−19 51.1	1.553	2.520	9.1	21.0
7 30	21 26.92	−20 17.3	1.511	2.513	4.7	20.7
8 9	21 16.41	−20 41.0	1.494	2.506	1.9	20.5
8 19	21 5.80	−20 57.2	1.505	2.499	5.7	20.7
8 29	20 56.36	−21 2.7	1.541	2.491	10.0	21.0
9 8	20 49.12	−20 56.3	1.600	2.483	14.0	21.2
9 18	20 44.71	−20 38.5	1.679	2.474	17.3	21.4

201687 2003 UH_{109} 8 9.0 243°.31 0°.3/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.71	−13 34.4	2.051	2.945	11.3	21.2
7 20	21 32.74	−13 56.0	1.975	2.935	7.9	21.0
7 30	21 25.07	−14 25.0	1.923	2.924	4.2	20.7
8 9	21 16.41	−14 57.8	1.899	2.913	0.3	20.4
8 19	21 7.59	−15 30.6	1.902	2.901	4.0	20.7
8 29	20 59.55	−15 59.5	1.933	2.890	7.9	20.9
9 8	20 53.11	−16 21.7	1.989	2.878	11.4	21.1
9 18	20 48.82	−16 35.6	2.067	2.865	14.4	21.3

395628 2011 VG_{1} 8 9.0 2°.47 0°.8/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.04	−17 51.7	1.758	2.665	12.2	20.1
7 20	21 33.74	−17 54.7	1.698	2.665	8.5	19.9
7 30	21 25.58	−18 0.9	1.662	2.665	4.3	19.6
8 9	21 16.41	−18 6.6	1.651	2.665	0.9	19.4
8 19	21 7.25	−18 8.6	1.668	2.665	4.7	19.6
8 29	20 59.18	−18 4.2	1.711	2.666	8.8	19.9
9 8	20 53.04	−17 52.4	1.777	2.667	12.5	20.1
9 18	20 49.35	−17 33.1	1.865	2.669	15.5	20.3

72337 2001 BO_{62} 8 9.0 275°.85 2°.8/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.75	− 8 52.8	1.439	2.333	15.1	18.9
7 20	21 34.65	− 8 47.1	1.368	2.324	11.1	18.6
7 30	21 26.24	− 8 55.4	1.319	2.314	6.6	18.3
8 9	21 16.41	− 9 15.0	1.295	2.305	2.9	18.1
8 19	21 6.37	− 9 42.0	1.296	2.295	5.3	18.2
8 29	20 57.43	−10 11.4	1.322	2.286	9.9	18.4
9 8	20 50.72	−10 38.5	1.370	2.276	14.3	18.7
9 18	20 46.92	−10 59.6	1.438	2.267	18.1	18.9

358436 2007 DG_{42} 8 9.0 104°.95 1°.8/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.74	−21 3.0	2.280	3.181	10.0	20.3
7 20	21 33.18	−21 15.6	2.223	3.187	6.9	20.1
7 30	21 25.17	−21 28.3	2.192	3.193	3.6	19.9
8 9	21 16.41	−21 37.7	2.189	3.199	1.8	19.8
8 19	21 7.71	−21 41.0	2.214	3.205	4.4	19.9
8 29	20 59.91	−21 36.4	2.267	3.211	7.6	20.2
9 8	20 53.68	−21 23.4	2.345	3.216	10.6	20.4
9 18	20 49.47	−21 2.4	2.445	3.222	13.0	20.5

280635 2004 YO_1 8 9.0 332°.07 1°.8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 36.34	−11 49.2	1.239	2.154	15.6	19.4
7 20	21 31.91	−11 39.7	1.164	2.132	11.3	19.1
7 30	21 24.97	−11 42.4	1.110	2.111	6.3	18.7
8 9	21 16.41	−11 54.2	1.079	2.091	1.9	18.4
8 19	21 7.49	−12 11.2	1.071	2.072	5.5	18.6
8 29	20 59.70	−12 28.3	1.085	2.055	10.8	18.8
9 8	20 54.28	−12 41.1	1.121	2.039	15.8	19.1
9 18	20 52.03	−12 46.2	1.174	2.024	20.0	19.3

509345 2006 YF_{32} 8 9.1 89°.91 4°.0/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 41.40	− 3 39.6	2.373	3.224	11.6	21.2
7 20	21 34.17	− 3 2.8	2.320	3.245	8.8	21.1
7 30	21 25.62	− 2 37.3	2.292	3.266	6.0	20.9
8 9	21 16.43	− 2 22.7	2.292	3.286	4.1	20.9
8 19	21 7.35	− 2 17.6	2.320	3.307	4.7	20.9
8 29	20 59.13	− 2 20.0	2.377	3.327	7.0	21.1
9 8	20 52.38	− 2 27.0	2.461	3.346	9.6	21.3
9 18	20 47.52	− 2 35.8	2.567	3.366	11.9	21.5

107993 2001 FQ_{136} 8 9.1 94°.52 3°.8/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 36.00	− 0 57.5	1.905	2.763	13.6	19.9
7 20	21 30.80	− 1 51.4	1.845	2.775	10.4	19.7
7 30	21 24.04	− 3 5.0	1.808	2.787	6.9	19.5
8 9	21 16.42	− 4 34.2	1.797	2.798	4.1	19.4
8 19	21 8.79	− 6 13.0	1.814	2.810	4.6	19.4
8 29	21 2.02	− 7 54.1	1.859	2.821	7.7	19.6
9 8	20 56.84	− 9 30.6	1.929	2.832	11.0	19.9
9 18	20 53.74	−10 57.1	2.023	2.843	13.9	20.1

521337 2015 LK_{44} 8 9.1 56°.50 0°.8/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 36.13	− 9 30.1	1.640	2.537	13.5	20.5
7 20	21 31.04	−10 40.0	1.594	2.553	9.5	20.3
7 30	21 24.19	−12 3.6	1.570	2.570	5.1	20.1
8 9	21 16.42	−13 34.4	1.573	2.586	0.9	19.8
8 19	21 8.70	−15 4.8	1.603	2.603	4.3	20.1
8 29	21 2.03	−16 27.7	1.659	2.620	8.5	20.4
9 8	20 57.21	−17 37.9	1.740	2.637	12.3	20.6
9 18	20 54.72	−18 32.8	1.842	2.655	15.3	20.9

381114 2007 DM_{24} 8 9.1 262°.44 0°.3/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 41.10	−15 32.6	1.644	2.547	13.1	21.3
7 20	21 34.73	−15 48.7	1.572	2.536	9.2	21.0
7 30	21 26.23	−16 11.5	1.523	2.525	4.7	20.7
8 9	21 16.44	−16 36.7	1.500	2.514	0.3	20.4
8 19	21 6.47	−16 59.7	1.504	2.502	4.9	20.7
8 29	20 57.53	−17 16.6	1.533	2.490	9.5	20.9
9 8	20 50.64	−17 24.7	1.587	2.479	13.6	21.2
9 18	20 46.44	−17 23.1	1.660	2.467	17.0	21.4

257777 2000 CB_{137} 8 9.1 207°.88 0°.8/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.05	−15 1.0	1.909	2.807	11.8	21.5
7 20	21 33.79	−15 55.1	1.839	2.802	8.2	21.2
7 30	21 25.66	−16 57.2	1.794	2.796	4.2	21.0
8 9	21 16.44	−18 1.9	1.776	2.789	0.8	20.7
8 19	21 7.05	−19 3.3	1.786	2.782	4.6	21.0
8 29	20 58.53	−19 56.1	1.823	2.774	8.7	21.2
9 8	20 51.76	−20 37.0	1.885	2.765	12.4	21.4
9 18	20 47.34	−21 4.7	1.969	2.756	15.4	21.6

36069 1999 RV_{52} 8 9.1 326°.00 1°.2/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 36.36	−17 29.8	1.761	2.672	11.9	18.1
7 20	21 31.34	−18 0.1	1.689	2.658	8.3	17.8
7 30	21 24.44	−18 35.9	1.641	2.645	4.2	17.6
8 9	21 16.43	−19 12.3	1.619	2.632	1.3	17.3
8 19	21 8.26	−19 44.5	1.623	2.619	5.0	17.6
8 29	21 0.97	−20 8.3	1.652	2.607	9.1	17.8
9 8	20 55.50	−20 21.2	1.705	2.595	12.9	18.0
9 18	20 52.41	−20 22.4	1.778	2.584	16.1	18.2

116330 2003 YN_{74} 8 9.1 326°.01 0°.5/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 36.93	−15 19.4	1.088	2.015	16.2	19.2
7 20	21 32.61	−15 42.1	1.019	1.995	11.5	18.8
7 30	21 25.45	−16 16.4	0.970	1.975	5.9	18.5
8 9	21 16.44	−16 56.3	0.943	1.957	0.6	18.0
8 19	21 7.03	−17 34.4	0.938	1.939	6.4	18.4
8 29	20 58.92	−18 3.6	0.955	1.922	12.3	18.7
9 8	20 53.54	−18 19.5	0.991	1.907	17.6	18.9
9 18	20 51.72	−18 20.1	1.044	1.893	22.0	19.1

434710 2006 DT_{10} 8 9.1 79°.34 4°.5/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 46.37	−27 27.8	1.702	2.607	12.6	20.3
7 20	21 37.97	−27 49.0	1.667	2.629	9.0	20.1
7 30	21 27.63	−28 3.7	1.657	2.651	5.7	20.0
8 9	21 16.46	−28 6.5	1.674	2.673	4.6	20.0
8 19	21 5.66	−27 54.5	1.717	2.695	7.0	20.1
8 29	20 56.42	−27 27.4	1.786	2.716	10.3	20.4
9 8	20 49.54	−26 47.3	1.879	2.737	13.4	20.6
9 18	20 45.43	−25 57.1	1.991	2.758	15.9	20.9

65850 1997 CG_{28} 8 9.1 189°.31 0°.4/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 39.73	−15 31.0	2.338	3.230	10.2	20.3
7 20	21 33.24	−15 58.5	2.269	3.229	7.1	20.1
7 30	21 25.26	−16 31.0	2.226	3.227	3.6	19.9
8 9	21 16.45	−17 4.7	2.211	3.225	0.4	19.7
8 19	21 7.57	−17 36.1	2.226	3.222	3.8	19.9
8 29	20 59.45	−18 2.0	2.268	3.219	7.3	20.1
9 8	20 52.80	−18 20.4	2.337	3.214	10.4	20.3
9 18	20 48.10	−18 30.4	2.428	3.210	13.0	20.5

441342 2008 CD_{152} 8 9.1 33°.29 2°.4/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 44.44	−23 3.8	1.624	2.533	12.9	19.6
7 20	21 36.69	−22 45.6	1.581	2.548	9.0	19.4
7 30	21 27.00	−22 24.7	1.562	2.563	4.8	19.2
8 9	21 16.45	−21 57.7	1.569	2.579	2.4	19.1
8 19	21 6.23	−21 22.9	1.603	2.596	5.5	19.3
8 29	20 57.49	−20 40.2	1.663	2.613	9.4	19.6
9 8	20 51.03	−19 50.7	1.748	2.631	13.0	19.9
9 18	20 47.28	−18 56.3	1.852	2.650	15.9	20.1

100029 Varnhagen 8 9.1 288°.30 0°.0/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.69	−14 42.7	2.035	2.934	11.2	19.6
7 20	21 32.03	−14 58.2	1.961	2.923	7.8	19.3
7 30	21 24.72	−15 20.0	1.912	2.913	4.0	19.1
8 9	21 16.45	−15 44.5	1.889	2.903	0.0	18.7
8 19	21 8.05	−16 8.2	1.894	2.893	4.0	19.1
8 29	21 0.44	−16 27.7	1.926	2.883	7.9	19.3
9 8	20 54.43	−16 40.6	1.983	2.873	11.4	19.5
9 18	20 50.55	−16 45.6	2.061	2.863	14.3	19.7

253472 2003 SY_{44} 8 9.1 265°.09 3°.9/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.79	− 4 45.6	1.462	2.346	15.6	19.9
7 20	21 33.28	− 4 57.8	1.391	2.337	11.8	19.7
7 30	21 25.55	− 5 29.6	1.340	2.329	7.5	19.4
8 9	21 16.45	− 6 18.4	1.314	2.320	4.2	19.2
8 19	21 7.11	− 7 19.1	1.312	2.310	5.5	19.3
8 29	20 58.79	− 8 24.7	1.336	2.301	9.7	19.5
9 8	20 52.58	− 9 28.4	1.383	2.292	14.0	19.7
9 18	20 49.15	−10 24.4	1.450	2.283	17.8	19.9

54071 2000 GQ_{146} 8 9.1 128°.88 35°.2/10.2 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	23 28.43	−72 14.0	0.660	1.458	37.4	18.6
7 20	23 3.25	−75 0.1	0.678	1.481	36.2	18.7
7 30	22 14.12	−76 21.8	0.702	1.501	35.5	18.8
8 9	21 16.66	−75 42.1	0.733	1.520	35.2	18.9
8 19	20 34.12	−73 9.2	0.770	1.537	35.4	19.0
8 29	20 12.92	−69 23.3	0.815	1.551	35.8	19.2
9 8	20 7.35	−65 0.3	0.867	1.564	36.4	19.3
9 18	20 11.29	−60 21.0	0.926	1.574	37.1	19.5

46994 1998 TE_{27} 8 9.1 275°.14 0°.4/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.71	−12 55.8	1.884	2.782	12.0	19.1
7 20	21 32.17	−13 21.4	1.810	2.771	8.4	18.9
7 30	21 24.84	−13 55.8	1.760	2.761	4.5	18.6
8 9	21 16.45	−14 35.2	1.736	2.750	0.5	18.3
8 19	21 7.90	−15 15.2	1.740	2.739	4.2	18.6
8 29	21 0.18	−15 51.3	1.770	2.728	8.3	18.8
9 8	20 54.15	−16 20.2	1.824	2.718	12.0	19.0
9 18	20 50.39	−16 39.7	1.900	2.707	15.2	19.2

507944 2015 AF_{233} 8 9.1 43°.36 3°.6/11.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.82	− 7 9.7	1.379	2.272	15.8	20.1
7 20	21 33.87	− 6 59.7	1.326	2.279	11.6	19.9
7 30	21 25.75	− 7 5.8	1.294	2.286	7.2	19.7
8 9	21 16.46	− 7 25.3	1.286	2.294	3.7	19.5
8 19	21 7.20	− 7 54.2	1.303	2.302	5.4	19.6
8 29	20 59.22	− 8 27.2	1.345	2.310	9.7	19.9
9 8	20 53.50	− 8 58.9	1.409	2.319	13.8	20.2
9 18	20 50.58	− 9 25.4	1.493	2.327	17.3	20.4

137542 1999 VQ_{70} 8 9.1 327°.15 3°.8/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.46	−21 16.6	1.175	2.104	15.1	19.5
7 20	21 33.53	−22 10.8	1.115	2.091	10.6	19.2
7 30	21 25.84	−23 9.4	1.075	2.078	5.9	18.9
8 9	21 16.46	−24 3.3	1.058	2.066	4.0	18.8
8 19	21 6.84	−24 43.9	1.064	2.055	7.9	19.0
8 29	20 58.61	−25 5.4	1.092	2.045	12.9	19.2
9 8	20 53.11	−25 6.0	1.140	2.035	17.5	19.4
9 18	20 51.04	−24 47.1	1.205	2.026	21.4	19.7

431353 2007 CU_{10} 8 9.1 200°.09 0°.1/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.77	−13 16.3	1.890	2.785	12.1	22.3
7 20	21 33.56	−13 55.1	1.822	2.782	8.5	22.1
7 30	21 25.53	−14 42.7	1.778	2.779	4.4	21.9
8 9	21 16.46	−15 34.5	1.761	2.775	0.1	21.5
8 19	21 7.27	−16 25.4	1.772	2.771	4.3	21.8
8 29	20 58.97	−17 10.5	1.810	2.766	8.4	22.1
9 8	20 52.43	−17 46.5	1.873	2.760	12.1	22.3
9 18	20 48.21	−18 11.5	1.957	2.754	15.1	22.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
170655 2003 YD_{129}			8 9.1 293°.93		6°.3/ 3.4 18	
	h m	° ′			°	m
7 10	21 38.34	−28 59.5	1.776	2.690	11.6	19.3
7 20	21 32.97	−30 37.9	1.711	2.674	8.7	19.1
7 30	21 25.40	−32 13.7	1.671	2.657	6.6	18.9
8 9	21 16.47	−33 37.9	1.657	2.641	6.7	18.9
8 19	21 7.24	−34 42.7	1.669	2.625	9.1	19.0
8 29	20 58.96	−35 23.5	1.705	2.608	12.3	19.2
9 8	20 52.72	−35 39.6	1.762	2.592	15.3	19.3
9 18	20 49.20	−35 33.2	1.837	2.576	18.0	19.5
85304 1994 VS_{1}			8 9.1 274°.55		2°.4/ 7.1 18	
7 10	21 37.51	−21 32.7	2.274	3.179	9.9	19.2
7 20	21 31.87	−22 12.0	2.198	3.164	6.9	19.0
7 30	21 24.64	−22 52.7	2.148	3.148	3.8	18.8
8 9	21 16.47	−23 30.4	2.125	3.132	2.5	18.7
8 19	21 8.15	−24 0.8	2.130	3.117	5.0	18.8
8 29	21 0.55	−24 20.8	2.162	3.101	8.3	19.0
9 8	20 54.42	−24 29.1	2.219	3.084	11.3	19.2
9 18	20 50.31	−24 25.5	2.296	3.068	13.9	19.3
398843 2013 CD_{34}			8 9.1 194°.67		1°.3/10.3 18	
7 10	21 36.47	− 9 17.3	2.622	3.498	9.8	22.0
7 20	21 30.88	− 9 48.0	2.548	3.496	7.0	21.8
7 30	21 24.04	−10 27.7	2.499	3.493	4.0	21.6
8 9	21 16.47	−11 13.3	2.478	3.489	1.3	21.4
8 19	21 8.82	−12 1.6	2.486	3.485	3.2	21.5
8 29	21 1.76	−12 49.0	2.524	3.481	6.2	21.7
9 8	20 55.90	−13 32.3	2.588	3.476	9.1	21.9
9 18	20 51.68	−14 9.1	2.676	3.470	11.6	22.0
318289 2004 TA_{45}			8 9.1 271°.81		3°.7/12.3 18	
7 10	21 35.09	− 2 54.7	2.330	3.189	11.5	20.3
7 20	21 30.05	− 2 58.4	2.254	3.184	8.8	20.1
7 30	21 23.65	− 3 15.6	2.201	3.178	6.0	19.9
8 9	21 16.47	− 3 44.7	2.175	3.173	3.8	19.8
8 19	21 9.19	− 4 23.2	2.176	3.168	4.4	19.8
8 29	21 2.54	− 5 7.4	2.205	3.163	6.9	19.9
9 8	20 57.19	− 5 53.1	2.259	3.158	9.8	20.1
9 18	20 53.59	− 6 36.6	2.336	3.152	12.4	20.3
19824 2000 SL_{176}			8 9.1 14°.48		2°.2/ 7.5 18	
7 10	21 39.20	−21 21.3	2.016	2.923	10.9	18.4
7 20	21 33.04	−21 43.9	1.957	2.923	7.5	18.2
7 30	21 25.21	−22 6.9	1.923	2.924	4.0	18.0
8 9	21 16.48	−22 26.2	1.915	2.925	2.3	17.9
8 19	21 7.77	−22 38.0	1.935	2.926	5.0	18.1
8 29	21 0.01	−22 40.0	1.982	2.926	8.5	18.3
9 8	20 53.99	−22 31.4	2.053	2.928	11.7	18.5
9 18	20 50.18	−22 12.8	2.145	2.929	14.4	18.7
128474 Arbacia			8 9.1 6°.13		3°.6/11.5 18	
7 10	21 37.49	− 5 39.3	1.969	2.843	12.6	19.7
7 20	21 31.85	− 5 20.3	1.903	2.844	9.5	19.5
7 30	21 24.62	− 5 13.6	1.860	2.844	6.2	19.3
8 9	21 16.51	− 5 18.2	1.842	2.845	3.7	19.1
8 19	21 8.34	− 5 31.7	1.852	2.846	4.7	19.2
8 29	21 1.01	− 5 51.0	1.888	2.847	7.8	19.4
9 8	20 55.27	− 6 12.3	1.948	2.849	11.0	19.6
9 18	20 51.62	− 6 32.4	2.031	2.851	13.9	19.8
518665 2008 SY_{312}			8 9.1 283°.13		2°.9/ 7.1 18	
7 10	21 39.82	−21 17.9	1.672	2.585	12.3	21.9
7 20	21 33.89	−22 3.1	1.604	2.573	8.6	21.7
7 30	21 25.84	−22 50.7	1.560	2.561	4.8	21.4
8 9	21 16.52	−23 34.3	1.541	2.550	3.1	21.3
8 19	21 7.02	−24 8.1	1.549	2.538	6.3	21.5
8 29	20 58.55	−24 28.0	1.582	2.526	10.3	21.7
9 8	20 52.13	−24 32.5	1.638	2.514	14.1	21.9
9 18	20 48.40	−24 22.3	1.713	2.503	17.3	22.1
298209 2002 TD_{330}			8 9.1 134°.56		2°.9/11.7 16	
7 10	21 36.55	− 4 34.4	2.108	2.976	12.1	21.3
7 20	21 31.11	− 5 3.4	2.044	2.983	9.0	21.1
7 30	21 24.22	− 5 46.7	2.004	2.990	5.7	20.9
8 9	21 16.52	− 6 41.3	1.991	2.996	3.1	20.8
8 19	21 8.78	− 7 43.0	2.005	3.002	4.1	20.9
8 29	21 1.81	− 8 46.8	2.047	3.008	7.2	21.1
9 8	20 56.32	− 9 47.9	2.115	3.013	10.4	21.3
9 18	20 52.77	−10 42.4	2.206	3.019	13.1	21.5
515683 2014 OG_{402}			8 9.1 154°.90		2°.1/ 7.1 18	
7 10	21 36.48	−22 6.6	2.676	3.578	8.7	21.6
7 20	21 30.88	−22 39.0	2.616	3.580	6.0	21.4
7 30	21 24.03	−23 11.5	2.583	3.582	3.3	21.3
8 9	21 16.52	−23 40.5	2.577	3.584	2.2	21.2
8 19	21 9.00	−24 2.9	2.601	3.586	4.3	21.3
8 29	21 2.16	−24 16.5	2.652	3.588	7.0	21.5
9 8	20 56.60	−24 20.4	2.728	3.590	9.6	21.7
9 18	20 52.73	−24 14.8	2.827	3.591	11.8	21.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
1656 Suomi			8 9.1 224°.53		12°.7/19.8 18	
	h m	° ′			°	m
7 10	21 39.75	+17 13.7	1.298	2.079	22.9	16.0
7 20	21 34.32	+16 51.4	1.219	2.072	20.0	15.8
7 30	21 26.28	+15 41.4	1.156	2.064	16.9	15.6
8 9	21 16.53	+13 39.8	1.111	2.055	14.1	15.4
8 19	21 6.37	+10 49.9	1.089	2.046	12.7	15.3
8 29	20 57.31	+ 7 23.8	1.091	2.035	13.8	15.3
9 8	20 50.66	+ 3 40.7	1.117	2.025	16.7	15.5
9 18	20 47.26	+ 0 0.1	1.165	2.013	20.2	15.7
161359 2003 SU_{164}			8 9.1 333°.91		2°.9/ 7.2 18	
7 10	21 38.28	−20 42.7	1.552	2.470	12.8	19.5
7 20	21 32.86	−21 29.8	1.492	2.464	8.9	19.2
7 30	21 25.31	−22 19.9	1.455	2.458	4.8	19.0
8 9	21 16.53	−23 6.4	1.443	2.452	3.0	18.8
8 19	21 7.64	−23 43.1	1.457	2.447	6.3	19.0
8 29	20 59.88	−24 5.6	1.495	2.443	10.5	19.3
9 8	20 54.24	−24 12.4	1.556	2.438	14.3	19.5
9 18	20 51.33	−24 3.9	1.635	2.434	17.6	19.7
449563 2014 JM			8 9.1 29°.31		9°.8/17.1 18	
7 10	21 35.40	+10 6.8	1.689	2.498	17.2	20.0
7 20	21 30.54	+10 50.3	1.638	2.512	14.7	19.9
7 30	21 23.99	+11 6.5	1.605	2.526	12.2	19.8
8 9	21 16.52	+10 54.2	1.594	2.541	10.4	19.7
8 19	21 9.05	+10 15.4	1.606	2.556	9.8	19.7
8 29	21 2.56	+ 9 15.0	1.641	2.572	10.9	19.8
9 8	20 57.84	+ 8 0.8	1.698	2.589	12.9	20.0
9 18	20 55.38	+ 6 40.6	1.777	2.607	15.1	20.2
245581 2005 UM_{352}			8 9.1 340°.89		2°.0/ 7.7 18	
7 10	21 38.42	−20 25.8	1.901	2.811	11.3	19.9
7 20	21 32.62	−20 49.3	1.839	2.807	7.8	19.7
7 30	21 25.06	−21 14.4	1.801	2.803	4.1	19.5
8 9	21 16.53	−21 36.6	1.790	2.800	2.1	19.3
8 19	21 7.97	−21 51.9	1.805	2.797	5.1	19.5
8 29	21 0.36	−21 57.6	1.847	2.795	8.8	19.8
9 8	20 54.54	−21 52.5	1.912	2.792	12.2	20.0
9 18	20 51.01	−21 37.0	1.998	2.790	15.1	20.2
476047 2007 RL_{290}			8 9.1 231°.91		4°.1/ 5.5 18	
7 10	21 40.31	−27 2.7	2.266	3.169	10.0	22.4
7 20	21 33.86	−27 53.8	2.198	3.159	7.2	22.2
7 30	21 25.69	−28 42.1	2.157	3.148	4.8	22.1
8 9	21 16.54	−29 22.1	2.143	3.137	4.3	22.0
8 19	21 7.26	−29 49.5	2.156	3.126	6.4	22.1
8 29	20 58.82	−30 1.6	2.196	3.114	9.3	22.3
9 8	20 52.02	−29 58.2	2.261	3.101	12.0	22.5
9 18	20 47.40	−29 40.7	2.345	3.089	14.4	22.6
265084 2003 SD_{191}			8 9.1 286°.24		0°.1/ 9.0 17	
7 10	21 38.68	−15 51.8	2.359	3.253	10.0	20.8
7 20	21 32.62	−15 52.4	2.273	3.234	7.0	20.6
7 30	21 25.04	−15 56.7	2.213	3.214	3.6	20.3
8 9	21 16.55	−16 2.2	2.180	3.194	0.1	19.9
8 19	21 7.90	−16 6.4	2.176	3.174	3.7	20.2
8 29	20 59.90	−16 7.1	2.200	3.154	7.2	20.4
9 8	20 53.31	−16 2.7	2.250	3.134	10.4	20.6
9 18	20 48.64	−15 52.5	2.322	3.114	13.2	20.8
389067 2008 WG_{55}			8 9.1 186°.84		1°.1/ 8.1 17	
7 10	21 38.95	−17 12.1	2.181	3.080	10.5	22.3
7 20	21 32.83	−17 54.5	2.116	3.079	7.3	22.1
7 30	21 25.14	−18 41.4	2.077	3.079	3.7	21.9
8 9	21 16.56	−19 28.2	2.065	3.077	1.2	21.7
8 19	21 7.91	−20 10.5	2.082	3.076	4.3	21.9
8 29	21 0.06	−20 44.6	2.126	3.074	7.9	22.1
9 8	20 53.77	−21 8.5	2.196	3.071	11.0	22.3
9 18	20 49.53	−21 21.4	2.287	3.068	13.7	22.5
234092 1999 TU_{168}			8 9.1 346°.23		0°.8/ 8.7 18	
7 10	21 36.88	−16 30.0	1.251	2.174	14.9	19.4
7 20	21 32.21	−16 45.6	1.190	2.164	10.4	19.1
7 30	21 25.10	−17 9.0	1.151	2.155	5.3	18.8
8 9	21 16.56	−17 34.5	1.134	2.147	0.8	18.5
8 19	21 7.89	−17 56.7	1.141	2.141	5.7	18.8
8 29	21 0.49	−18 10.5	1.171	2.135	10.9	19.1
9 8	20 55.52	−18 13.2	1.222	2.131	15.5	19.3
9 18	20 53.61	−18 3.9	1.291	2.128	19.3	19.6
255649 2006 QO_{19}			8 9.1 348°.14		1°.9/ 7.8 18	R
7 10	21 35.27	−15 11.1	1.116	2.044	15.8	19.5
7 20	21 31.30	−16 35.9	1.061	2.038	11.0	19.2
7 30	21 24.72	−18 15.4	1.027	2.033	5.5	18.8
8 9	21 16.56	−19 59.0	1.016	2.028	2.1	18.6
8 19	21 8.22	−21 35.2	1.028	2.025	6.9	18.9
8 29	21 1.22	−22 53.9	1.063	2.022	12.3	19.2
9 8	20 56.81	−23 49.5	1.118	2.021	17.1	19.5
9 18	20 55.70	−24 20.7	1.189	2.020	21.0	19.7

95883 2003 HO_3 8 9.1 60°.10 0°.5/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 37.62	−15 22.2	1.916	2.818	11.6	20.0
7 20	21 31.90	−15 54.7	1.871	2.836	8.0	19.8
7 30	21 24.62	−16 32.8	1.851	2.853	4.0	19.6
8 9	21 16.57	−17 12.2	1.857	2.871	0.5	19.3
8 19	21 8.61	−17 48.4	1.890	2.888	4.2	19.7
8 29	21 1.65	−18 17.9	1.951	2.906	7.9	19.9
9 8	20 56.39	−18 38.3	2.036	2.924	11.2	20.2
9 18	20 53.27	−18 48.9	2.142	2.942	13.9	20.4

348091 2003 WZ_{154} 8 9.1 275°.01 7°.1/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.72	−31 58.0	1.852	2.761	11.5	20.7
7 20	21 33.93	−33 39.6	1.793	2.749	8.9	20.5
7 30	21 25.94	−35 15.5	1.759	2.736	7.2	20.3
8 9	21 16.58	−36 36.6	1.751	2.723	7.6	20.3
8 19	21 6.98	−37 35.7	1.768	2.710	9.7	20.4
8 29	20 58.36	−38 9.2	1.810	2.697	12.5	20.6
9 8	20 51.81	−38 17.2	1.872	2.683	15.3	20.7
9 18	20 47.99	−38 2.6	1.951	2.670	17.7	20.9

347284 2011 LD_{18} 8 9.1 43°.70 7°.3/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.13	+ 0 55.9	1.537	2.393	16.4	19.6
7 20	21 33.97	+ 1 46.9	1.482	2.402	13.1	19.4
7 30	21 25.82	+ 2 17.0	1.447	2.411	9.8	19.3
8 9	21 16.59	+ 2 25.5	1.436	2.420	7.6	19.1
8 19	21 7.36	+ 2 13.9	1.450	2.429	7.8	19.2
8 29	20 59.26	+ 1 46.5	1.488	2.439	10.2	19.4
9 8	20 53.21	+ 1 9.5	1.549	2.449	13.3	19.6
9 18	20 49.77	+ 0 28.9	1.630	2.460	16.3	19.8

342056 2008 RX_{146} 8 9.1 229°.43 2°.0/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.38	−19 40.6	2.033	2.937	10.9	21.5
7 20	21 33.30	−20 25.5	1.964	2.929	7.6	21.2
7 30	21 25.46	−21 13.5	1.920	2.921	4.0	21.0
8 9	21 16.60	−21 59.5	1.903	2.913	2.1	20.9
8 19	21 7.61	−22 38.6	1.914	2.904	5.1	21.0
8 29	20 59.46	−23 7.1	1.952	2.895	8.7	21.3
9 8	20 52.99	−23 23.0	2.014	2.886	12.0	21.4
9 18	20 48.77	−23 26.4	2.097	2.876	14.9	21.6

394652 2008 AN_{92} 8 9.1 107°.20 3°.3/ 6.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.39	−23 41.1	2.241	3.147	10.0	21.9
7 20	21 32.38	−24 44.3	2.197	3.162	6.9	21.7
7 30	21 24.88	−25 46.4	2.179	3.176	4.2	21.6
8 9	21 16.60	−26 42.1	2.189	3.190	3.4	21.6
8 19	21 8.37	−27 26.7	2.227	3.204	5.6	21.7
8 29	21 1.02	−27 57.5	2.291	3.218	8.5	21.9
9 8	20 55.26	−28 13.7	2.380	3.231	11.2	22.1
9 18	20 51.53	−28 16.0	2.490	3.244	13.4	22.3

379236 2009 SN_{276} 8 9.1 9°.11 4°.5/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.11	−22 56.0	1.043	1.979	16.0	20.4
7 20	21 33.30	−23 40.9	1.002	1.980	11.2	20.2
7 30	21 25.70	−24 25.9	0.980	1.983	6.4	19.9
8 9	21 16.61	−25 2.0	0.979	1.987	4.7	19.8
8 19	21 7.61	−25 21.7	1.001	1.992	8.4	20.1
8 29	21 0.35	−25 21.2	1.044	1.999	13.1	20.4
9 8	20 55.99	−25 0.9	1.107	2.007	17.5	20.7
9 18	20 55.06	−24 23.3	1.186	2.016	21.1	20.9

134573 1999 SK_3 8 9.1 272°.44 5°.6/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 48.19	− 5 18.6	1.640	2.505	15.2	18.9
7 20	21 39.94	− 4 4.3	1.548	2.481	11.7	18.6
7 30	21 29.15	− 2 59.7	1.479	2.457	8.1	18.4
8 9	21 16.65	− 2 6.6	1.436	2.433	5.7	18.2
8 19	21 3.63	− 1 26.3	1.421	2.407	7.0	18.2
8 29	20 51.50	− 0 58.3	1.433	2.382	10.7	18.3
9 8	20 41.51	− 0 40.2	1.469	2.356	14.8	18.5
9 18	20 34.48	− 0 28.7	1.525	2.329	18.4	18.7

17175 1999 SS_3 8 9.1 239°.10 6°.6/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 44.49	−37 42.9	2.459	3.343	10.1	17.2
7 20	21 36.66	−38 14.8	2.403	3.337	8.1	17.1
7 30	21 27.09	−38 35.5	2.371	3.331	6.8	17.0
8 9	21 16.63	−38 39.8	2.367	3.324	6.8	17.0
8 19	21 6.26	−38 25.2	2.389	3.318	8.2	17.1
8 29	20 56.96	−37 51.2	2.436	3.312	10.2	17.2
9 8	20 49.55	−37 0.3	2.508	3.305	12.3	17.3
9 18	20 44.48	−35 55.8	2.599	3.298	14.2	17.5

329185 2012 DN_{28} 8 9.1 128°.63 4°.1/ 6.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.98	−23 58.5	1.461	2.375	13.7	20.5
7 20	21 36.88	−24 40.6	1.411	2.379	9.6	20.3
7 30	21 27.40	−25 21.1	1.384	2.383	5.7	20.0
8 9	21 16.64	−25 52.6	1.381	2.386	4.2	20.0
8 19	21 5.95	−26 9.4	1.405	2.390	7.3	20.2
8 29	20 56.71	−26 8.9	1.453	2.393	11.4	20.4
9 8	20 49.98	−25 51.5	1.523	2.396	15.1	20.6
9 18	20 46.30	−25 19.7	1.611	2.399	18.3	20.9

14620 1998 UP_{15} 8 9.1 151°.21 1°.5/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 40.83	−17 26.7	1.743	2.648	12.4	18.8
7 20	21 34.39	−18 13.9	1.687	2.653	8.5	18.5
7 30	21 26.04	−19 6.3	1.656	2.658	4.4	18.3
8 9	21 16.63	−19 58.0	1.651	2.663	1.6	18.1
8 19	21 7.20	−20 43.4	1.673	2.667	5.1	18.4
8 29	20 58.85	−21 18.0	1.722	2.671	9.2	18.6
9 8	20 52.48	−21 39.8	1.795	2.675	12.8	18.9
9 18	20 48.60	−21 48.4	1.887	2.678	15.9	19.1

481749 2008 HP_{19} 8 9.1 104°.23 10°.4/23.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 35.35	+23 26.3	2.585	3.257	15.1	21.6
7 20	21 30.18	+23 46.2	2.520	3.270	13.7	21.5
7 30	21 23.74	+23 40.2	2.473	3.284	12.3	21.4
8 9	21 16.61	+23 7.1	2.446	3.297	11.2	21.3
8 19	21 9.45	+22 7.6	2.441	3.310	10.5	21.3
8 29	21 2.98	+20 45.1	2.460	3.322	10.5	21.3
9 8	20 57.79	+19 5.6	2.502	3.335	11.3	21.4
9 18	20 54.32	+17 15.8	2.567	3.347	12.4	21.5

275313 2010 TY_{162} 8 9.1 228°.74 2°.8/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.68	−23 40.5	2.543	3.446	9.0	21.2
7 20	21 31.87	−24 22.9	2.475	3.438	6.3	21.0
7 30	21 24.65	−25 4.9	2.433	3.431	3.7	20.9
8 9	21 16.62	−25 42.1	2.419	3.423	2.9	20.8
8 19	21 8.51	−26 10.9	2.434	3.414	5.0	20.9
8 29	21 1.10	−26 28.7	2.476	3.406	7.8	21.1
9 8	20 55.04	−26 34.7	2.544	3.397	10.4	21.2
9 18	20 50.83	−26 29.1	2.632	3.388	12.7	21.4

218805 2006 CU_{33} 8 9.1 314°.43 2°.1/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.20	− 9 36.0	2.064	2.950	11.6	20.2
7 20	21 31.72	− 9 28.4	1.988	2.939	8.5	20.0
7 30	21 24.64	− 9 30.1	1.935	2.929	5.0	19.8
8 9	21 16.63	− 9 39.0	1.909	2.919	2.2	19.6
8 19	21 8.49	− 9 52.7	1.910	2.909	4.0	19.7
8 29	21 1.10	−10 8.3	1.938	2.899	7.5	19.9
9 8	20 55.23	−10 22.6	1.991	2.890	10.9	20.1
9 18	20 51.40	−10 33.4	2.066	2.880	13.9	20.3

489975 2008 SF_{93} 8 9.1 284°.85 18°.3/23.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 36.42	+21 20.4	1.032	1.816	27.4	21.0
7 20	21 32.46	+22 12.0	0.966	1.806	25.0	20.8
7 30	21 25.54	+22 11.9	0.911	1.797	22.4	20.5
8 9	21 16.64	+21 10.5	0.870	1.787	20.0	20.4
8 19	21 7.20	+19 5.0	0.845	1.777	18.5	20.2
8 29	20 59.01	+16 2.6	0.838	1.768	18.6	20.2
9 8	20 53.65	+12 21.8	0.850	1.759	20.5	20.3
9 18	20 52.05	+ 8 25.6	0.880	1.750	23.4	20.4

60994 2000 KA_{26} 8 9.1 86°.81 4°.5/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.01	− 5 2.3	1.291	2.178	17.0	18.8
7 20	21 35.52	− 4 53.7	1.241	2.189	12.8	18.6
7 30	21 26.71	− 5 4.7	1.212	2.200	8.2	18.4
8 9	21 16.66	− 5 32.6	1.206	2.211	4.7	18.2
8 19	21 6.66	− 6 12.6	1.225	2.222	6.0	18.3
8 29	20 58.08	− 6 58.5	1.268	2.233	10.2	18.6
9 8	20 51.95	− 7 43.5	1.333	2.243	14.4	18.9
9 18	20 48.81	− 8 22.9	1.418	2.254	17.9	19.2

44427 1998 TC_5 8 9.1 357°.72 11°.5/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 32.15	+10 10.9	1.451	2.276	18.8	17.3
7 20	21 28.66	+11 13.6	1.387	2.269	16.3	17.1
7 30	21 23.22	+11 46.8	1.341	2.265	13.9	16.9
8 9	21 16.62	+11 47.3	1.314	2.262	12.0	16.8
8 19	21 9.85	+11 15.4	1.309	2.261	11.5	16.8
8 29	21 4.03	+10 15.6	1.325	2.261	12.6	16.8
9 8	21 0.11	+ 8 56.5	1.361	2.263	14.7	17.0
9 18	20 58.72	+ 7 27.5	1.417	2.266	17.2	17.1

91961 1999 VH_{80} 8 9.1 241°.89 4°.2/12.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 35.15	− 1 3.0	2.338	3.189	11.7	20.0
7 20	21 30.13	− 1 7.9	2.263	3.186	9.1	19.8
7 30	21 23.77	− 1 27.5	2.212	3.183	6.4	19.6
8 9	21 16.64	− 2 0.4	2.186	3.180	4.4	19.5
8 19	21 9.41	− 2 44.1	2.188	3.176	4.7	19.5
8 29	21 2.82	− 3 34.6	2.217	3.173	7.0	19.7
9 8	20 57.51	− 4 27.6	2.272	3.170	9.7	19.8
9 18	20 53.95	− 5 18.8	2.350	3.167	12.3	20.0

485748 2012 BO_{104} 8 9.1 197°.89 0°.6/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 34.83	−10 17.8	2.829	3.709	9.0	21.4
7 20	21 29.76	−11 11.6	2.754	3.706	6.4	21.2
7 30	21 23.53	−12 13.8	2.705	3.702	3.5	21.0
8 9	21 16.64	−13 21.1	2.686	3.699	0.7	20.8
8 19	21 9.64	−14 29.5	2.696	3.695	3.0	21.0
8 29	21 3.17	−15 35.0	2.736	3.690	5.9	21.2
9 8	20 57.76	−16 34.3	2.803	3.686	8.6	21.4
9 18	20 53.86	−17 25.2	2.893	3.681	11.0	21.5

141992 2002 PA_{140} 8 9.1 149°.00 1°.5/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 42.18	−17 51.2	1.801	2.703	12.2	20.2
7 20	21 35.27	−18 30.6	1.746	2.711	8.4	20.0
7 30	21 26.48	−19 14.1	1.716	2.719	4.3	19.7
8 9	21 16.68	−19 56.3	1.713	2.726	1.5	19.5
8 19	21 6.90	−20 32.1	1.738	2.732	5.0	19.8
8 29	20 58.22	−20 58.0	1.789	2.738	9.0	20.1
9 8	20 51.51	−21 12.0	1.865	2.743	12.5	20.3
9 18	20 47.28	−21 14.2	1.961	2.748	15.5	20.5

396736 2003 QQ_{57} 8 9.1 308°.22 5°.7/ 6.3 18

7 10	21 45.39	−29 45.1	1.600	2.509	13.1	19.9
7 20	21 37.92	−30 4.8	1.536	2.497	9.7	19.7
7 30	21 27.99	−30 16.2	1.495	2.485	6.6	19.4
8 9	21 16.70	−30 12.9	1.478	2.473	5.8	19.4
8 19	21 5.37	−29 50.6	1.488	2.462	8.2	19.5
8 29	20 55.44	−29 8.7	1.522	2.451	11.8	19.7
9 8	20 48.00	−28 9.7	1.579	2.440	15.3	19.9
9 18	20 43.66	−26 57.7	1.655	2.429	18.4	20.1

395387 2011 SZ_{59} 8 9.1 99°.15 2°.4/10.9 18

7 10	21 36.83	− 7 11.5	1.926	2.807	12.5	21.5
7 20	21 31.48	− 7 33.5	1.861	2.809	9.2	21.3
7 30	21 24.52	− 8 8.7	1.820	2.811	5.5	21.1
8 9	21 16.66	− 8 54.0	1.804	2.813	2.5	20.9
8 19	21 8.73	− 9 45.0	1.816	2.815	4.1	21.0
8 29	21 1.64	−10 36.8	1.855	2.818	7.7	21.2
9 8	20 56.15	−11 25.0	1.919	2.820	11.1	21.5
9 18	20 52.78	−12 6.1	2.005	2.822	14.1	21.7

502023 2015 AP_{84} 8 9.1 180°.38 1°.4/ 8.1 17

7 10	21 41.67	−17 10.7	1.768	2.671	12.3	22.3
7 20	21 35.02	−17 56.5	1.707	2.672	8.5	22.1
7 30	21 26.41	−18 47.9	1.671	2.673	4.4	21.8
8 9	21 16.69	−19 39.2	1.661	2.673	1.4	21.6
8 19	21 6.90	−20 24.5	1.678	2.673	5.1	21.9
8 29	20 58.14	−20 59.6	1.723	2.672	9.2	22.1
9 8	20 51.36	−21 22.1	1.791	2.670	12.9	22.4
9 18	20 47.10	−21 31.5	1.880	2.668	16.0	22.6

393283 2013 YB_5 8 9.1 124°.33 1°.7/10.3 17

7 10	21 40.09	−10 0.0	1.935	2.820	12.3	20.9
7 20	21 33.68	−10 6.2	1.877	2.829	8.8	20.7
7 30	21 25.62	−10 22.3	1.843	2.838	5.0	20.5
8 9	21 16.69	−10 45.2	1.835	2.846	1.8	20.3
8 19	21 7.78	−11 11.6	1.855	2.855	4.0	20.5
8 29	20 59.83	−11 37.8	1.903	2.863	7.7	20.7
9 8	20 53.59	−12 0.5	1.976	2.871	11.2	21.0
9 18	20 49.55	−12 17.6	2.070	2.878	14.1	21.2

228563 2001 XZ_{154} 8 9.1 280°.11 0°.9/ 8.5 18

7 10	21 38.89	−15 45.4	1.620	2.528	13.0	19.8
7 20	21 33.33	−16 28.4	1.549	2.516	9.1	19.6
7 30	21 25.66	−17 19.9	1.501	2.504	4.6	19.3
8 9	21 16.69	−18 14.2	1.478	2.491	1.0	19.0
8 19	21 7.50	−19 5.0	1.482	2.479	5.2	19.3
8 29	20 59.28	−19 46.8	1.511	2.466	9.7	19.5
9 8	20 53.04	−20 16.2	1.563	2.454	13.8	19.7
9 18	20 49.46	−20 31.8	1.635	2.441	17.3	19.9

303657 2005 LW_{36} 8 9.1 318°.66 1°.0/ 8.2 18

7 10	21 36.07	−15 19.1	1.952	2.856	11.3	20.5
7 20	21 31.03	−16 25.4	1.889	2.855	7.8	20.3
7 30	21 24.34	−17 39.5	1.850	2.853	3.9	20.1
8 9	21 16.68	−18 55.6	1.839	2.852	1.1	19.9
8 19	21 8.91	−20 7.7	1.855	2.850	4.6	20.1
8 29	21 1.96	−21 10.3	1.898	2.849	8.4	20.3
9 8	20 56.62	−22 0.0	1.966	2.848	11.8	20.6
9 18	20 53.41	−22 35.1	2.055	2.846	14.7	20.8

293182 2007 AW_{14} 8 9.1 154°.91 3°.5/ 5.8 18

7 10	21 37.41	−23 55.1	2.195	3.103	10.0	20.2
7 20	21 31.85	−25 4.1	2.140	3.105	7.0	20.0
7 30	21 24.71	−26 12.8	2.110	3.107	4.3	19.9
8 9	21 16.69	−27 15.4	2.108	3.109	3.7	19.8
8 19	21 8.60	−28 6.8	2.134	3.110	6.0	20.0
8 29	21 1.33	−28 43.6	2.187	3.112	8.9	20.2
9 8	20 55.64	−29 4.6	2.263	3.113	11.7	20.4
9 18	20 52.01	−29 10.3	2.360	3.114	14.1	20.5

75821 2000 BU_{12} 8 9.1 245°.06 0°.3/ 8.9 18

7 10	21 37.17	−13 42.8	1.982	2.881	11.4	19.8
7 20	21 31.81	−14 35.0	1.911	2.873	8.0	19.6
7 30	21 24.76	−15 36.3	1.864	2.865	4.1	19.3
8 9	21 16.70	−16 41.6	1.844	2.858	0.3	19.0
8 19	21 8.47	−17 45.4	1.852	2.850	4.2	19.3
8 29	21 1.02	−18 42.5	1.887	2.841	8.2	19.5
9 8	20 55.17	−19 29.2	1.947	2.833	11.7	19.7
9 18	20 51.47	−20 3.5	2.028	2.824	14.7	19.9

33869 Brunnermatt 8 9.1 353°.19 6°.0/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 35.97	− 3 38.9	1.159	2.056	17.9	17.6
7 20	21 31.65	− 3 7.4	1.099	2.049	13.8	17.4
7 30	21 24.90	− 2 57.8	1.058	2.044	9.5	17.1
8 9	21 16.70	− 3 9.8	1.039	2.040	6.3	16.9
8 19	21 8.33	− 3 40.0	1.041	2.037	7.1	17.0
8 29	21 1.22	− 4 22.2	1.066	2.036	11.0	17.2
9 8	20 56.52	− 5 8.8	1.112	2.035	15.4	17.4
9 18	20 54.92	− 5 52.8	1.175	2.036	19.3	17.7

185558 2008 AG_{19} 8 9.1 67°.47 0°.8/ 8.5 18

7 10	21 38.60	−16 47.8	1.941	2.844	11.4	20.0
7 20	21 32.63	−17 14.8	1.893	2.858	7.8	19.8
7 30	21 25.08	−17 46.0	1.870	2.872	4.0	19.6
8 9	21 16.72	−18 17.3	1.873	2.887	0.9	19.4
8 19	21 8.46	−18 44.7	1.904	2.901	4.3	19.7
8 29	21 1.18	−19 4.9	1.962	2.915	8.0	20.0
9 8	20 55.63	−19 16.1	2.044	2.930	11.3	20.2
9 18	20 52.24	−19 17.8	2.148	2.944	14.0	20.4

43429 2000 YU_{19} 8 9.1 132°.59 3°.3/ 5.7 18

7 10	21 39.94	−21 1.2	2.142	3.045	10.5	18.7
7 20	21 33.63	−22 52.9	2.094	3.059	7.2	18.6
7 30	21 25.65	−24 46.7	2.074	3.072	4.2	18.4
8 9	21 16.74	−26 34.7	2.083	3.085	3.5	18.4
8 19	21 7.74	−28 9.9	2.121	3.097	6.0	18.6
8 29	20 59.60	−29 27.4	2.188	3.108	9.1	18.8
9 8	20 53.10	−30 25.1	2.279	3.119	12.0	19.0
9 18	20 48.76	−31 3.6	2.391	3.129	14.3	19.2

160492 2007 CU_{11} 8 9.1 143°.73 1°.2/10.5 18

7 10	21 35.36	− 8 24.7	2.748	3.621	9.5	20.9
7 20	21 30.10	− 9 10.4	2.684	3.631	6.8	20.8
7 30	21 23.72	−10 5.1	2.646	3.640	3.9	20.6
8 9	21 16.72	−11 5.7	2.637	3.648	1.3	20.4
8 19	21 9.69	−12 8.6	2.657	3.656	3.0	20.5
8 29	21 3.25	−13 9.7	2.707	3.664	5.9	20.7
9 8	20 57.93	−14 5.8	2.784	3.672	8.5	20.9
9 18	20 54.14	−14 54.4	2.885	3.679	10.8	21.1

301400 2009 DV_{32} 8 9.1 5°.83 1°.6/ 7.9 18

7 10	21 37.98	−18 22.5	1.800	2.709	11.8	20.6
7 20	21 32.43	−19 0.2	1.741	2.709	8.2	20.3
7 30	21 25.09	−19 42.1	1.707	2.710	4.2	20.1
8 9	21 16.74	−20 22.9	1.698	2.710	1.7	19.9
8 19	21 8.35	−20 57.8	1.717	2.711	5.0	20.2
8 29	21 0.95	−21 22.8	1.761	2.712	8.9	20.4
9 8	20 55.36	−21 36.0	1.829	2.713	12.5	20.6
9 18	20 52.13	−21 37.1	1.917	2.714	15.4	20.8

296277 2009 DB_{55} 8 9.1 279°.99 5°.0/ 6.1 18

7 10	21 43.84	−28 53.6	1.881	2.786	11.6	21.1
7 20	21 36.63	−29 21.0	1.812	2.772	8.5	20.9
7 30	21 27.31	−29 42.4	1.768	2.758	5.8	20.7
8 9	21 16.77	−29 51.9	1.749	2.744	5.1	20.6
8 19	21 6.15	−29 45.5	1.758	2.730	7.4	20.7
8 29	20 56.65	−29 21.5	1.792	2.716	10.6	20.9
9 8	20 49.24	−28 41.4	1.849	2.702	13.8	21.1
9 18	20 44.52	−27 47.9	1.927	2.687	16.6	21.3

195207 2002 DN_2 8 9.1 230°.71 5°.6/ 3.1 18 R

7 10	21 40.48	−25 54.7	1.915	2.825	11.2	19.3
7 20	21 34.47	−28 20.0	1.854	2.817	8.2	19.1
7 30	21 26.32	−30 46.6	1.820	2.808	5.9	18.9
8 9	21 16.76	−33 3.6	1.815	2.799	6.1	18.9
8 19	21 6.81	−35 1.4	1.838	2.790	8.7	19.0
8 29	20 57.66	−36 33.5	1.888	2.780	11.8	19.2
9 8	20 50.37	−37 37.9	1.960	2.770	14.8	19.4
9 18	20 45.69	−38 16.5	2.051	2.760	17.2	19.6

307001 2001 WN_{86} 8 9.1 132°.99 3°.7/ 5.7 18

7 10	21 37.81	−24 42.7	2.172	3.081	10.1	20.4
7 20	21 32.15	−25 50.7	2.119	3.084	7.1	20.2
7 30	21 24.89	−26 57.6	2.092	3.088	4.5	20.0
8 9	21 16.74	−27 57.5	2.093	3.091	3.9	20.0
8 19	21 8.56	−28 45.5	2.120	3.094	6.2	20.2
8 29	21 1.22	−29 18.3	2.175	3.098	9.1	20.4
9 8	20 55.49	−29 34.9	2.253	3.101	11.8	20.5
9 18	20 51.86	−29 36.4	2.351	3.104	14.2	20.7

281489 2008 SZ_{267} 8 9.1 311°.48 2°.4/ 7.5 18

7 10	21 38.17	−19 9.9	1.533	2.449	13.0	20.1
7 20	21 32.96	−20 1.2	1.465	2.436	9.1	19.9
7 30	21 25.53	−20 58.1	1.421	2.424	4.8	19.6
8 9	21 16.77	−21 53.8	1.401	2.412	2.5	19.4
8 19	21 7.79	−22 41.4	1.407	2.400	6.2	19.6
8 29	20 59.86	−23 15.7	1.438	2.388	10.6	19.8
9 8	20 54.04	−23 33.9	1.491	2.377	14.6	20.1
9 18	20 50.99	−23 36.0	1.563	2.366	18.0	20.3

162687 2000 UH_1 8 9.1 225°.33 6°.9/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 52.21	−31 22.1	1.930	2.820	12.1	23.4
7 20	21 42.90	−33 6.9	1.855	2.802	9.3	23.2
7 30	21 30.81	−34 46.8	1.807	2.782	7.2	23.0
8 9	21 16.85	−36 11.2	1.787	2.760	7.3	23.0
8 19	21 2.33	−37 11.7	1.795	2.736	9.7	23.1
8 29	20 48.82	−37 44.1	1.830	2.710	12.8	23.2
9 8	20 37.66	−37 49.3	1.888	2.681	15.9	23.4
9 18	20 29.72	−37 31.8	1.964	2.651	18.5	23.5

504892 2010 WE_{65} 8 9.1 214°.22 2°.8/10.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 41.29	− 7 57.0	1.669	2.553	14.0	21.6
7 20	21 34.87	− 7 57.7	1.600	2.549	10.3	21.4
7 30	21 26.43	− 8 11.8	1.552	2.545	6.2	21.2
8 9	21 16.79	− 8 36.7	1.531	2.540	2.9	20.9
8 19	21 7.00	− 9 8.5	1.536	2.535	4.8	21.1
8 29	20 58.20	− 9 42.7	1.567	2.529	8.9	21.3
9 8	20 51.36	−10 14.7	1.623	2.523	12.8	21.5
9 18	20 47.09	−10 41.3	1.699	2.517	16.2	21.7

62041 2000 RD_{65} 8 9.1 343°.37 0°.5/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.31	−13 3.6	1.579	2.482	13.5	18.9
7 20	21 33.54	−13 24.0	1.518	2.481	9.6	18.7
7 30	21 25.74	−13 54.1	1.479	2.480	5.1	18.4
8 9	21 16.79	−14 29.4	1.465	2.479	0.6	18.1
8 19	21 7.76	−15 5.0	1.478	2.478	4.6	18.4
8 29	20 59.81	−15 36.2	1.516	2.477	9.2	18.7
9 8	20 53.89	−15 59.3	1.577	2.477	13.2	18.9
9 18	20 50.58	−16 12.6	1.659	2.476	16.6	19.2

371575 2006 VS_{130} 8 9.1 150°.62 3°.8/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.71	− 4 55.3	1.599	2.477	14.8	21.4
7 20	21 33.77	− 5 1.3	1.536	2.479	11.1	21.2
7 30	21 25.85	− 5 24.5	1.495	2.482	7.1	21.0
8 9	21 16.80	− 6 2.2	1.479	2.484	4.0	20.8
8 19	21 7.67	− 6 50.0	1.489	2.486	5.2	20.9
8 29	20 59.58	− 7 42.3	1.525	2.488	9.0	21.1
9 8	20 53.46	− 8 33.2	1.584	2.489	12.8	21.3
9 18	20 49.89	− 9 18.3	1.665	2.491	16.1	21.6

206412 2003 SY_{104} 8 9.1 318°.75 5°.3/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.16	− 2 53.3	1.657	2.526	14.8	19.6
7 20	21 33.41	− 2 20.4	1.585	2.520	11.5	19.4
7 30	21 25.69	− 2 3.9	1.536	2.513	8.0	19.2
8 9	21 16.81	− 2 3.7	1.510	2.507	5.5	19.0
8 19	21 7.75	− 2 17.8	1.511	2.501	6.2	19.1
8 29	20 59.62	− 2 42.6	1.536	2.495	9.3	19.2
9 8	20 53.38	− 3 12.9	1.585	2.489	12.8	19.4
9 18	20 49.62	− 3 44.0	1.655	2.484	16.1	19.6

337203 1999 XL_{27} 8 9.1 230°.29 6°.8/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 41.47	−32 57.2	1.988	2.892	11.2	20.2
7 20	21 35.03	−34 19.7	1.934	2.885	8.7	20.0
7 30	21 26.52	−35 34.7	1.904	2.878	7.0	19.9
8 9	21 16.81	−36 34.5	1.901	2.871	7.2	19.9
8 19	21 6.97	−37 13.4	1.923	2.864	9.1	20.0
8 29	20 58.16	−37 28.8	1.970	2.856	11.7	20.2
9 8	20 51.35	−37 21.8	2.038	2.848	14.3	20.3
9 18	20 47.16	−36 55.3	2.124	2.840	16.5	20.5

105983 2000 SE_{269} 8 9.1 243°.20 4°.6/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.20	−24 31.0	1.573	2.485	13.0	19.8
7 20	21 36.54	−25 36.2	1.507	2.474	9.3	19.6
7 30	21 27.43	−26 41.4	1.465	2.462	5.8	19.3
8 9	21 16.83	−27 38.2	1.449	2.450	4.8	19.3
8 19	21 5.99	−28 19.4	1.458	2.437	7.8	19.4
8 29	20 56.33	−28 40.6	1.493	2.424	11.8	19.6
9 8	20 48.99	−28 41.3	1.549	2.411	15.5	19.8
9 18	20 44.68	−28 23.5	1.624	2.397	18.7	20.0

261341 2005 UC_{261} 8 9.1 203°.58 0°.1/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 36.38	−14 23.1	2.611	3.503	9.3	21.9
7 20	21 30.94	−14 54.6	2.540	3.499	6.5	21.7
7 30	21 24.23	−15 31.7	2.495	3.496	3.3	21.5
8 9	21 16.80	−16 11.0	2.478	3.492	0.1	21.2
8 19	21 9.29	−16 49.2	2.490	3.487	3.3	21.5
8 29	21 2.40	−17 23.3	2.530	3.483	6.5	21.7
9 8	20 56.72	−17 50.7	2.597	3.478	9.3	21.9
9 18	20 52.71	−18 10.3	2.686	3.473	11.7	22.1

442828 2013 AT_{81} 8 9.1 64°.47 1°.6/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.31	−11 13.0	1.917	2.806	12.2	20.8
7 20	21 33.80	−11 2.9	1.867	2.821	8.7	20.6
7 30	21 25.70	−11 0.9	1.840	2.837	4.9	20.4
8 9	21 16.82	−11 4.8	1.841	2.852	1.7	20.2
8 19	21 8.05	−11 12.0	1.869	2.868	4.0	20.4
8 29	21 0.30	−11 19.6	1.924	2.884	7.6	20.7
9 8	20 54.29	−11 25.1	2.003	2.899	11.0	20.9
9 18	20 50.47	−11 26.8	2.105	2.915	13.8	21.1

318972 2005 UK_{292} 8 9.1 76°.32 5°.6/ 4.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 40.34	−31 26.7	2.136	3.040	10.5	20.2
7 20	21 33.94	−32 18.2	2.091	3.046	7.9	20.1
7 30	21 25.82	−33 2.4	2.071	3.052	5.9	20.0
8 9	21 16.82	−33 33.8	2.077	3.058	5.8	20.0
8 19	21 7.89	−33 48.5	2.109	3.064	7.6	20.1
8 29	21 0.00	−33 45.2	2.167	3.070	10.1	20.3
9 8	20 53.93	−33 24.8	2.248	3.076	12.5	20.4
9 18	20 50.15	−32 49.8	2.348	3.082	14.7	20.6

242033 2002 QF_{123} 8 9.1 24°.54 4°.6/11.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.87	− 7 0.3	1.361	2.253	16.0	19.2
7 20	21 34.66	− 6 10.0	1.312	2.263	12.0	19.0
7 30	21 26.30	− 5 34.4	1.285	2.273	7.7	18.8
8 9	21 16.83	− 5 13.2	1.281	2.285	4.7	18.6
8 19	21 7.47	− 5 4.6	1.301	2.297	6.0	18.7
8 29	20 59.45	− 5 5.1	1.346	2.310	9.8	19.0
9 8	20 53.73	− 5 10.5	1.414	2.324	13.7	19.3
9 18	20 50.81	− 5 16.8	1.501	2.339	17.0	19.5

218164 2002 RA_{229} 8 9.1 334°.97 4°.3/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 36.09	−20 38.5	1.126	2.059	15.2	19.9
7 20	21 32.07	−22 2.3	1.067	2.046	10.7	19.6
7 30	21 25.30	−23 33.6	1.030	2.033	6.1	19.3
8 9	21 16.82	−25 1.4	1.015	2.022	4.6	19.2
8 19	21 8.06	−26 14.5	1.023	2.012	8.6	19.4
8 29	21 0.66	−27 4.9	1.053	2.003	13.5	19.6
9 8	20 55.95	−27 29.4	1.101	1.995	18.1	19.8
9 18	20 54.68	−27 29.0	1.166	1.988	21.9	20.1

339337 2004 YE_{21} 8 9.1 320°.02 1°.5/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.43	−11 16.9	1.731	2.625	13.0	20.9
7 20	21 33.50	−11 20.4	1.665	2.623	9.3	20.7
7 30	21 25.70	−11 33.7	1.623	2.621	5.2	20.5
8 9	21 16.84	−11 53.8	1.607	2.619	1.5	20.2
8 19	21 7.89	−12 16.9	1.617	2.617	4.3	20.4
8 29	20 59.92	−12 39.1	1.653	2.615	8.5	20.7
9 8	20 53.82	−12 57.2	1.714	2.613	12.3	20.9
9 18	20 50.13	−13 8.8	1.795	2.612	15.5	21.1

152440 2005 UN_{447} 8 9.1 212°.76 3°.9/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 36.43	− 1 44.9	2.554	3.401	10.9	20.5
7 20	21 30.99	− 1 39.8	2.476	3.397	8.5	20.3
7 30	21 24.27	− 1 47.4	2.422	3.392	5.9	20.1
8 9	21 16.82	− 2 6.7	2.394	3.387	4.1	20.0
8 19	21 9.26	− 2 35.6	2.394	3.382	4.4	20.0
8 29	21 2.29	− 3 11.1	2.423	3.377	6.6	20.2
9 8	20 56.52	− 3 49.6	2.477	3.371	9.2	20.3
9 18	20 52.39	− 4 27.7	2.555	3.365	11.7	20.5

481497 2007 DE_{88} 8 9.1 170°.50 0°.2/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 36.29	−14 41.4	2.670	3.561	9.1	22.4
7 20	21 30.83	−15 17.7	2.604	3.564	6.3	22.2
7 30	21 24.16	−15 59.2	2.565	3.566	3.2	22.0
8 9	21 16.82	−16 42.4	2.554	3.568	0.2	21.8
8 19	21 9.43	−17 24.0	2.572	3.570	3.3	22.0
8 29	21 2.66	−18 0.8	2.619	3.571	6.3	22.2
9 8	20 57.10	−18 30.7	2.692	3.572	9.1	22.4
9 18	20 53.15	−18 52.2	2.789	3.572	11.4	22.6

187010 2004 TB_{170} 8 9.1 322°.89 1°.4/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 34.62	− 9 33.9	1.911	2.804	12.1	19.7
7 20	21 30.13	−10 5.3	1.834	2.791	8.7	19.4
7 30	21 23.97	−10 49.1	1.781	2.778	4.9	19.2
8 9	21 16.82	−11 41.6	1.753	2.765	1.5	18.9
8 19	21 9.48	−12 38.3	1.752	2.753	3.9	19.1
8 29	21 2.88	−13 33.8	1.778	2.741	7.9	19.3
9 8	20 57.82	−14 23.5	1.828	2.730	11.5	19.5
9 18	20 54.87	−15 4.2	1.900	2.719	14.7	19.7

420612 2012 HK_{60} 8 9.1 201°.02 7°.2/ 4.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 44.94	−31 57.8	1.663	2.569	12.8	20.9
7 20	21 37.66	−33 13.7	1.612	2.567	9.8	20.7
7 30	21 27.96	−34 21.2	1.584	2.564	7.6	20.6
8 9	21 16.88	−35 11.4	1.582	2.561	7.5	20.6
8 19	21 5.74	−35 38.1	1.606	2.558	9.7	20.7
8 29	20 55.96	−35 39.1	1.653	2.554	12.8	20.9
9 8	20 48.64	−35 16.5	1.721	2.549	15.7	21.1
9 18	20 44.39	−34 34.4	1.808	2.545	18.3	21.3

152527 2006 VC_{62} 8 9.1 310°.35 0°.8/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.52	−16 29.9	1.923	2.828	11.4	20.3
7 20	21 32.10	−17 1.3	1.856	2.821	7.9	20.1
7 30	21 24.96	−17 38.3	1.813	2.816	4.0	19.8
8 9	21 16.84	−18 16.5	1.796	2.810	0.9	19.6
8 19	21 8.61	−18 51.3	1.807	2.804	4.5	19.8
8 29	21 1.23	−19 18.9	1.844	2.798	8.4	20.0
9 8	20 55.54	−19 36.8	1.906	2.793	11.9	20.3
9 18	20 52.06	−19 44.1	1.988	2.788	14.8	20.4

446288 2014 DW_{68} 8 9.1 39°.63 2°.5/11.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 36.38	− 5 14.3	1.474	2.363	15.2	21.4
7 20	21 31.28	− 6 19.7	1.446	2.397	11.0	21.2
7 30	21 24.45	− 7 42.6	1.439	2.432	6.5	21.0
8 9	21 16.83	− 9 16.2	1.458	2.468	2.7	20.9
8 19	21 9.45	−10 52.3	1.503	2.504	4.4	21.1
8 29	21 3.29	−12 23.0	1.574	2.540	8.4	21.4
9 8	20 59.10	−13 42.2	1.669	2.577	12.1	21.7
9 18	20 57.26	−14 46.4	1.785	2.613	15.1	22.0

378184 2006 XD_{10} 8 9.1 293°.50 2°.3/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.73	−18 28.4	1.424	2.340	13.8	21.1
7 20	21 34.29	−19 19.8	1.350	2.321	9.7	20.8
7 30	21 26.37	−20 18.7	1.299	2.302	5.1	20.5
8 9	21 16.87	−21 17.7	1.272	2.284	2.4	20.3
8 19	21 7.00	−22 9.3	1.271	2.265	6.4	20.5
8 29	20 58.20	−22 47.2	1.294	2.246	11.3	20.7
9 8	20 51.69	−23 8.1	1.338	2.228	15.7	20.9
9 18	20 48.23	−23 11.8	1.401	2.210	19.5	21.1

126144 2001 YB_{130} 8 9.1 161°.42 3°.4/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.97	−21 42.2	1.456	2.369	13.8	19.6
7 20	21 36.98	−22 30.9	1.403	2.372	9.6	19.3
7 30	21 27.60	−23 20.9	1.374	2.375	5.4	19.1
8 9	21 16.90	−24 4.6	1.369	2.377	3.5	19.0
8 19	21 6.19	−24 35.7	1.391	2.379	6.9	19.2
8 29	20 56.88	−24 50.5	1.437	2.381	11.1	19.5
9 8	20 50.02	−24 48.3	1.505	2.382	15.1	19.7
9 18	20 46.22	−24 30.8	1.592	2.383	18.3	19.9

182747 2001 XS_{107} 8 9.1 167°.49 3°.1/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 36.61	− 3 24.0	2.711	3.563	10.2	20.9
7 20	21 31.02	− 3 31.3	2.640	3.567	7.8	20.7
7 30	21 24.26	− 3 49.8	2.593	3.570	5.2	20.6
8 9	21 16.86	− 4 18.1	2.575	3.574	3.3	20.4
8 19	21 9.40	− 4 53.7	2.584	3.576	3.8	20.5
8 29	21 2.53	− 5 33.5	2.623	3.579	6.1	20.6
9 8	20 56.82	− 6 14.2	2.688	3.580	8.6	20.8
9 18	20 52.66	− 6 52.7	2.777	3.582	11.0	21.0

299173 2005 GH_{56} 8 9.1 63°.42 4°.4/12.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 36.59	− 1 41.2	1.806	2.670	14.0	20.9
7 20	21 31.42	− 1 55.0	1.746	2.678	10.8	20.7
7 30	21 24.60	− 2 27.3	1.708	2.685	7.3	20.5
8 9	21 16.87	− 3 15.5	1.695	2.693	4.7	20.4
8 19	21 9.10	− 4 15.5	1.708	2.701	5.2	20.4
8 29	21 2.23	− 5 21.5	1.747	2.709	8.1	20.6
9 8	20 57.03	− 6 27.4	1.811	2.717	11.4	20.9
9 18	20 54.01	− 7 28.3	1.897	2.725	14.4	21.1

392711 2012 BW_{134} 8 9.2 107°.26 2°.8/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.75	− 7 28.5	1.568	2.452	14.8	20.9
7 20	21 35.77	− 7 38.0	1.520	2.470	10.8	20.7
7 30	21 26.83	− 8 1.9	1.495	2.487	6.4	20.5
8 9	21 16.90	− 8 36.7	1.495	2.504	2.9	20.4
8 19	21 7.09	− 9 17.6	1.522	2.520	4.8	20.5
8 29	20 58.53	− 9 59.4	1.575	2.536	8.8	20.8
9 8	20 52.09	−10 37.4	1.651	2.552	12.6	21.1
9 18	20 48.27	−11 8.4	1.749	2.567	15.8	21.3

283158 2009 BZ_{65} 8 9.2 11°.19 0°.1/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.58	−14 51.4	1.657	2.563	12.9	20.4
7 20	21 32.96	−15 7.9	1.599	2.564	9.0	20.2
7 30	21 25.44	−15 31.5	1.563	2.566	4.6	19.9
8 9	21 16.88	−15 58.0	1.554	2.567	0.1	19.5
8 19	21 8.29	−16 23.2	1.570	2.570	4.5	19.9
8 29	21 0.76	−16 42.9	1.612	2.572	8.8	20.2
9 8	20 55.17	−16 54.7	1.678	2.575	12.7	20.4
9 18	20 52.04	−16 57.2	1.764	2.578	15.9	20.7

263680 2008 GZ_{129} 8 9.2 52°.79 4°.6/ 5.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.90	−27 6.8	2.063	2.973	10.5	19.9
7 20	21 32.32	−28 15.2	2.015	2.978	7.6	19.7
7 30	21 25.06	−29 20.2	1.992	2.983	5.1	19.6
8 9	21 16.88	−30 15.8	1.996	2.988	4.8	19.6
8 19	21 8.69	−30 56.9	2.026	2.993	6.9	19.7
8 29	21 1.43	−31 20.7	2.082	2.999	9.7	19.9
9 8	20 55.89	−31 27.1	2.162	3.004	12.4	20.1
9 18	20 52.57	−31 17.3	2.260	3.010	14.8	20.3

66323 1999 JH_{53} 8 9.2 21°.06 5°.6/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 36.43	− 2 0.8	1.111	2.004	18.7	17.6
7 20	21 32.00	− 2 11.7	1.060	2.008	14.4	17.4
7 30	21 25.13	− 2 50.2	1.028	2.013	9.7	17.1
8 9	21 16.88	− 3 52.9	1.017	2.019	6.0	16.9
8 19	21 8.58	− 5 12.6	1.028	2.026	6.7	17.0
8 29	21 1.65	− 6 39.6	1.063	2.034	10.8	17.3
9 8	20 57.21	− 8 3.6	1.118	2.042	15.2	17.5
9 18	20 55.87	− 9 17.0	1.192	2.051	19.2	17.8

48690 1996 GP_{4} 8 9.2 35°.90 1°.2/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 38.09	−16 45.8	1.822	2.728	11.9	19.4
7 20	21 32.55	−17 31.6	1.762	2.729	8.2	19.2
7 30	21 25.22	−18 23.5	1.726	2.729	4.2	18.9
8 9	21 16.89	−19 15.9	1.717	2.730	1.3	18.7
8 19	21 8.49	−20 3.4	1.735	2.730	4.8	19.0
8 29	21 1.03	−20 41.6	1.779	2.731	8.8	19.2
9 8	20 55.36	−21 7.9	1.847	2.732	12.3	19.5
9 18	20 52.01	−21 21.4	1.936	2.733	15.3	19.7

316928 2000 YN_{51} 8 9.2 262°.50 0°.6/ 8.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.52	−15 54.6	2.593	3.486	9.3	22.1
7 20	21 31.89	−16 29.0	2.502	3.462	6.5	21.9
7 30	21 24.84	−17 8.6	2.437	3.438	3.3	21.6
8 9	21 16.89	−17 50.0	2.400	3.413	0.6	21.4
8 19	21 8.73	−18 29.6	2.392	3.388	3.6	21.6
8 29	21 1.08	−19 4.0	2.413	3.362	6.9	21.8
9 8	20 54.66	−19 30.8	2.460	3.336	10.0	21.9
9 18	20 49.96	−19 48.6	2.529	3.309	12.6	22.1

60247 1999 VW_{193} 8 9.2 146°.59 6°.3/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.97	+ 4 3.5	2.078	2.904	13.9	19.5
7 20	21 32.25	+ 4 12.5	2.011	2.910	11.2	19.3
7 30	21 25.00	+ 4 1.9	1.966	2.916	8.6	19.2
8 9	21 16.90	+ 3 32.2	1.945	2.921	6.6	19.1
8 19	21 8.72	+ 2 45.8	1.951	2.926	6.5	19.1
8 29	21 1.33	+ 1 47.4	1.984	2.931	8.3	19.2
9 8	20 55.45	+ 0 42.6	2.041	2.935	10.9	19.4
9 18	20 51.56	− 0 23.1	2.122	2.940	13.4	19.6

513863 2013 HP_{42} 8 9.2 172°.41 2°.7/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.99	−23 32.4	2.342	3.246	9.7	21.6
7 20	21 32.88	−24 1.2	2.282	3.246	6.8	21.5
7 30	21 25.28	−24 28.9	2.248	3.246	3.9	21.3
8 9	21 16.90	−24 51.3	2.242	3.247	2.8	21.2
8 19	21 8.52	−25 5.4	2.263	3.247	5.0	21.4
8 29	21 0.96	−25 8.8	2.312	3.247	8.0	21.5
9 8	20 54.91	−25 1.3	2.386	3.247	10.8	21.7
9 18	20 50.84	−24 43.3	2.481	3.248	13.1	21.9

388737 2007 VS_{270} 8 9.2 245°.46 2°.7/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.91	−21 32.6	1.971	2.879	11.0	21.0
7 20	21 33.09	−22 21.4	1.908	2.875	7.7	20.7
7 30	21 25.51	−23 11.8	1.870	2.871	4.3	20.5
8 9	21 16.92	−23 58.2	1.859	2.866	2.9	20.4
8 19	21 8.23	−24 35.6	1.875	2.862	5.6	20.6
8 29	21 0.45	−25 0.5	1.918	2.858	9.1	20.8
9 8	20 54.40	−25 11.4	1.985	2.853	12.3	21.0
9 18	20 50.62	−25 8.7	2.071	2.848	15.1	21.2

28565 2000 EO_{58} 8 9.2 350°.66 6°.8/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 23.38	− 3 16.5	0.681	1.618	21.6	16.3
7 20	21 23.66	− 3 1.7	0.628	1.600	16.9	15.9
7 30	21 21.15	− 3 22.8	0.590	1.585	11.7	15.6
8 9	21 16.87	− 4 19.6	0.567	1.573	7.4	15.3
8 19	21 12.30	− 5 44.9	0.561	1.565	8.0	15.3
8 29	21 9.25	− 7 25.2	0.572	1.559	12.9	15.5
9 8	21 9.18	− 9 4.0	0.599	1.558	18.5	15.8
9 18	21 12.86	−10 28.0	0.640	1.559	23.5	16.1

239091 2006 HA_{27} 8 9.2 108°.88 5°.1/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.20	+ 1 31.7	1.969	2.813	13.9	21.0
7 20	21 31.74	+ 1 10.8	1.909	2.825	10.9	20.8
7 30	21 24.75	+ 0 30.1	1.871	2.837	7.8	20.7
8 9	21 16.94	− 0 28.1	1.859	2.849	5.4	20.6
8 19	21 9.10	− 1 39.6	1.873	2.860	5.5	20.6
8 29	21 2.12	− 2 58.6	1.914	2.871	7.9	20.8
9 8	20 56.69	− 4 18.6	1.981	2.882	10.8	21.0
9 18	20 53.30	− 5 34.1	2.070	2.893	13.5	21.2

74883 1999 TC_{108} 8 9.2 53°.77 5°.1/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.38	− 3 47.9	1.297	2.182	17.1	19.0
7 20	21 34.50	− 3 34.1	1.246	2.191	13.0	18.7
7 30	21 26.36	− 3 40.9	1.215	2.200	8.7	18.5
8 9	21 16.98	− 4 6.5	1.207	2.209	5.4	18.4
8 19	21 7.61	− 4 46.4	1.222	2.218	6.3	18.5
8 29	20 59.57	− 5 34.2	1.262	2.228	10.1	18.7
9 8	20 53.88	− 6 22.9	1.325	2.238	14.2	19.0
9 18	20 51.11	− 7 7.0	1.406	2.248	17.8	19.2

385095 2012 VM_{27} 8 9.2 80°.76 2°.0/10.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.41	− 9 9.2	1.753	2.641	13.2	21.0
7 20	21 33.40	− 9 18.5	1.698	2.651	9.5	20.8
7 30	21 25.65	− 9 39.5	1.667	2.662	5.5	20.6
8 9	21 16.97	−10 9.0	1.662	2.673	2.2	20.4
8 19	21 8.32	−10 42.9	1.684	2.684	4.2	20.6
8 29	21 0.71	−11 16.9	1.732	2.694	8.1	20.8
9 8	20 54.92	−11 46.9	1.805	2.705	11.7	21.1
9 18	20 51.46	−12 10.5	1.898	2.716	14.8	21.3

507628 2013 GG_{113} 8 9.2 140°.17 4°.6/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 35.44	+ 3 27.7	2.938	3.752	10.5	22.3
7 20	21 30.16	+ 3 24.8	2.870	3.763	8.5	22.2
7 30	21 23.83	+ 3 7.9	2.826	3.774	6.4	22.0
8 9	21 16.94	+ 2 37.9	2.809	3.784	4.9	21.9
8 19	21 10.03	+ 1 56.7	2.820	3.794	4.8	22.0
8 29	21 3.67	+ 1 7.5	2.859	3.804	6.2	22.1
9 8	20 58.35	+ 0 14.1	2.925	3.813	8.2	22.2
9 18	20 54.45	− 0 40.0	3.015	3.821	10.1	22.4

186468 2002 TO_{42} 8 9.2 323°.14 5°.8/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.67	−25 27.5	1.142	2.073	15.3	19.3
7 20	21 34.81	−26 19.3	1.074	2.049	11.1	19.0
7 30	21 26.89	−27 10.5	1.027	2.026	7.1	18.7
8 9	21 16.99	−27 51.1	1.002	2.004	6.0	18.6
8 19	21 6.68	−28 12.3	0.998	1.983	9.5	18.7
8 29	20 57.77	−28 8.9	1.017	1.963	14.3	18.9
9 8	20 51.76	−27 41.1	1.054	1.944	19.0	19.1
9 18	20 49.50	−26 51.9	1.107	1.927	23.0	19.3

102025 1999 RC_{97} 8 9.2 0°.34 3°.9/11.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 35.48	− 5 18.0	1.108	2.013	17.8	19.3
7 20	21 31.45	− 5 40.7	1.052	2.011	13.3	19.0
7 30	21 24.94	− 6 27.8	1.016	2.010	8.3	18.7
8 9	21 16.97	− 7 35.0	1.001	2.009	4.2	18.5
8 19	21 8.85	− 8 54.4	1.008	2.010	5.9	18.6
8 29	21 2.05	−10 16.3	1.038	2.011	10.7	18.9
9 8	20 57.74	−11 31.5	1.089	2.014	15.5	19.2
9 18	20 56.56	−12 33.4	1.159	2.017	19.6	19.4

239669 2008 XZ_{55} 8 9.2 240°.04 2°.1/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.43	− 8 24.0	1.954	2.836	12.3	21.4
7 20	21 32.76	− 8 40.9	1.879	2.828	9.0	21.1
7 30	21 25.38	− 9 9.9	1.827	2.820	5.3	20.9
8 9	21 16.98	− 9 48.0	1.802	2.812	2.2	20.7
8 19	21 8.42	−10 31.3	1.804	2.803	4.1	20.8
8 29	21 0.64	−11 15.4	1.833	2.795	7.8	21.0
9 8	20 54.46	−11 55.9	1.887	2.785	11.4	21.2
9 18	20 50.45	−12 29.8	1.963	2.776	14.5	21.4

511394 2014 GD_{56} 8 9.2 102°.03 2°.7/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 36.66	− 3 6.9	2.506	3.360	10.9	22.0
7 20	21 31.08	− 3 51.5	2.454	3.384	8.1	21.9
7 30	21 24.32	− 4 49.0	2.426	3.407	5.2	21.7
8 9	21 16.97	− 5 56.2	2.427	3.430	2.9	21.6
8 19	21 9.66	− 7 9.0	2.457	3.453	3.6	21.7
8 29	21 3.05	− 8 22.7	2.516	3.475	6.1	21.9
9 8	20 57.71	− 9 33.0	2.602	3.497	8.8	22.1
9 18	20 54.01	−10 36.5	2.713	3.518	11.2	22.3

311948 2007 CP_{79} 8 9.2 163°.07 0°.5/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 36.73	−12 32.6	2.634	3.519	9.4	21.9
7 20	21 31.18	−12 56.1	2.568	3.523	6.6	21.7
7 30	21 24.41	−13 25.9	2.528	3.526	3.5	21.5
8 9	21 16.98	−13 59.0	2.516	3.530	0.5	21.2
8 19	21 9.51	−14 32.5	2.533	3.532	3.1	21.5
8 29	21 2.68	−15 3.4	2.579	3.535	6.2	21.7
9 8	20 57.06	−15 29.4	2.651	3.537	9.0	21.9
9 18	20 53.07	−15 48.8	2.747	3.539	11.4	22.0

139217 2001 GW_{10} 8 9.2 9°.73 4°.8/ 6.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.81	−24 8.3	1.141	2.070	15.5	18.6
7 20	21 35.21	−24 52.7	1.096	2.071	10.9	18.4
7 30	21 26.86	−25 35.6	1.072	2.073	6.5	18.1
8 9	21 17.02	−26 8.1	1.070	2.076	5.0	18.1
8 19	21 7.25	−26 23.3	1.091	2.079	8.4	18.3
8 29	20 59.16	−26 18.2	1.135	2.084	12.9	18.5
9 8	20 53.93	−25 53.4	1.198	2.089	17.1	18.8
9 18	20 52.09	−25 12.1	1.279	2.095	20.6	19.1

447279 2005 UD_{479} 8 9.2 59°.28 5°.7/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.14	−30 59.1	2.119	3.025	10.4	20.8
7 20	21 33.22	−32 5.2	2.073	3.029	7.9	20.6
7 30	21 25.58	−33 4.8	2.051	3.033	6.0	20.5
8 9	21 17.00	−33 51.9	2.056	3.037	5.9	20.5
8 19	21 8.42	−34 21.8	2.088	3.041	7.8	20.7
8 29	21 0.82	−34 32.7	2.144	3.045	10.3	20.8
9 8	20 55.00	−34 25.0	2.223	3.049	12.7	21.0
9 18	20 51.45	−34 1.1	2.322	3.053	14.9	21.2

278066 2006 YC_{36} 8 9.2 277°.03 2°.2/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.70	−10 57.5	1.619	2.510	14.0	21.1
7 20	21 36.90	−10 38.0	1.532	2.486	10.2	20.9
7 30	21 27.74	−10 27.6	1.467	2.463	5.9	20.6
8 9	21 17.05	−10 24.5	1.428	2.439	2.3	20.3
8 19	21 5.93	−10 26.0	1.415	2.415	5.0	20.4
8 29	20 55.71	−10 29.1	1.429	2.390	9.6	20.6
9 8	20 47.54	−10 30.7	1.467	2.365	14.1	20.8
9 18	20 42.20	−10 28.7	1.524	2.340	17.9	21.0

506756 2006 VS_{140} 8 9.2 197°.44 3°.0/ 6.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 41.71	−21 22.1	1.801	2.708	11.9	22.3
7 20	21 35.21	−22 22.3	1.740	2.706	8.3	22.0
7 30	21 26.70	−23 24.6	1.703	2.703	4.6	21.8
8 9	21 17.03	−24 22.3	1.694	2.700	3.2	21.7
8 19	21 7.25	−25 9.5	1.711	2.697	6.1	21.9
8 29	20 58.48	−25 41.8	1.755	2.693	9.9	22.1
9 8	20 51.68	−25 57.8	1.822	2.688	13.4	22.3
9 18	20 47.44	−25 58.3	1.909	2.683	16.3	22.5

130315 2000 EV_{122} 8 9.2 286°.50 0°.6/ 9.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 35.69	−12 11.3	2.333	3.224	10.3	20.4
7 20	21 30.67	−12 36.7	2.256	3.213	7.3	20.2
7 30	21 24.24	−13 9.9	2.204	3.203	3.9	20.0
8 9	21 16.99	−13 47.9	2.178	3.192	0.7	19.7
8 19	21 9.61	−14 27.0	2.182	3.181	3.4	19.9
8 29	21 2.86	−15 3.7	2.212	3.171	6.9	20.1
9 8	20 57.42	−15 35.0	2.269	3.160	10.1	20.3
9 18	20 53.78	−15 58.7	2.347	3.149	12.8	20.5

391624 2007 VZ_{101} 8 9.2 321°.62 19°.9/19.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 44.42	−49 2.2	0.934	1.837	20.6	19.3
7 20	21 40.05	−52 58.0	0.914	1.827	19.9	19.2
7 30	21 30.43	−56 16.3	0.913	1.817	20.6	19.2
8 9	21 17.10	−58 35.7	0.928	1.809	22.4	19.3
8 19	21 3.01	−59 45.7	0.958	1.800	24.7	19.4
8 29	20 51.79	−59 48.1	1.000	1.793	27.0	19.6
9 8	20 45.97	−58 54.4	1.051	1.786	29.1	19.7
9 18	20 46.29	−57 17.9	1.110	1.780	30.9	19.9

364940 2008 FW_{117} 8 9.2 227°.26 5°.5/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 35.69	+ 4 11.1	2.510	3.328	12.0	21.4
7 20	21 30.59	+ 4 11.5	2.427	3.321	9.8	21.3
7 30	21 24.18	+ 3 55.0	2.366	3.313	7.5	21.1
8 9	21 17.01	+ 3 22.0	2.331	3.305	5.8	21.0
8 19	21 9.69	+ 2 34.7	2.322	3.296	5.7	21.0
8 29	21 2.93	+ 1 36.5	2.342	3.288	7.3	21.1
9 8	20 57.35	+ 0 32.2	2.387	3.279	9.6	21.2
9 18	20 53.43	− 0 33.4	2.456	3.270	11.9	21.3

7635 Carolinesmith 8 9.2 289°.36 4°.5/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.74	−26 57.6	2.133	3.043	10.2	16.5
7 20	21 32.33	−28 5.6	2.070	3.033	7.4	16.3
7 30	21 25.19	−29 11.6	2.032	3.023	5.1	16.2
8 9	21 17.03	−30 9.3	2.020	3.013	4.8	16.1
8 19	21 8.73	−30 53.4	2.036	3.003	6.9	16.2
8 29	21 1.24	−31 20.7	2.078	2.994	9.8	16.4
9 8	20 55.39	−31 30.3	2.142	2.984	12.6	16.6
9 18	20 51.74	−31 23.5	2.226	2.975	15.0	16.7

4825 Ventura 8 9.2 319°.88 0°.8/ 9.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.23	−13 55.0	1.128	2.047	16.5	16.7
7 20	21 35.03	−13 51.3	1.059	2.030	11.8	16.4
7 30	21 26.96	−13 58.3	1.011	2.013	6.3	16.0
8 9	21 17.07	−14 11.9	0.984	1.997	0.9	15.6
8 19	21 6.81	−14 26.8	0.980	1.982	5.9	15.9
8 29	20 57.86	−14 38.1	0.999	1.967	11.7	16.2
9 8	20 51.63	−14 41.8	1.038	1.954	16.9	16.4
9 18	20 48.93	−14 35.9	1.093	1.941	21.4	16.7

40581 1999 RK_{136} 8 9.2 4°.50 3°.7/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 35.98	−22 7.8	0.793	1.741	18.0	17.9
7 20	21 32.38	−22 14.2	0.754	1.739	12.6	17.6
7 30	21 25.58	−22 20.6	0.733	1.739	6.9	17.3
8 9	21 17.04	−22 19.4	0.730	1.742	3.8	17.2
8 19	21 8.64	−22 4.8	0.748	1.747	8.2	17.5
8 29	21 2.26	−21 34.2	0.784	1.754	13.8	17.8
9 8	20 59.17	−20 48.6	0.838	1.764	18.8	18.1
9 18	20 59.85	−19 50.5	0.907	1.776	23.0	18.4

160842 2000 YE_{142} 8 9.2 254°.85 4°.2/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.02	− 2 19.0	2.216	3.071	12.1	20.1
7 20	21 31.62	− 2 10.7	2.139	3.066	9.3	19.9
7 30	21 24.76	− 2 16.3	2.086	3.060	6.5	19.7
8 9	21 17.04	− 2 34.9	2.058	3.054	4.4	19.6
8 19	21 9.20	− 3 4.2	2.058	3.048	4.8	19.6
8 29	21 2.02	− 3 40.7	2.085	3.042	7.4	19.7
9 8	20 56.22	− 4 20.3	2.138	3.036	10.3	19.9
9 18	20 52.30	− 4 59.0	2.213	3.030	13.0	20.1

21455 Mcfarland 8 9.2 213°.40 0°.3/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.20	−12 41.0	1.969	2.862	11.7	19.5
7 20	21 33.31	−13 16.1	1.899	2.858	8.3	19.2
7 30	21 25.70	−14 0.2	1.852	2.852	4.4	19.0
8 9	21 17.07	−14 49.0	1.833	2.847	0.4	18.7
8 19	21 8.30	−15 38.0	1.842	2.841	4.0	19.0
8 29	21 0.36	−16 22.3	1.878	2.835	8.0	19.2
9 8	20 54.06	−16 58.6	1.938	2.828	11.6	19.4
9 18	20 49.95	−17 24.8	2.021	2.821	14.6	19.6

151306 2002 CZ_{90} 8 9.2 337°.06 0°.0/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 35.18	−12 29.7	1.916	2.816	11.7	19.6
7 20	21 30.55	−13 24.4	1.848	2.811	8.2	19.3
7 30	21 24.27	−14 29.5	1.805	2.806	4.3	19.1
8 9	21 17.04	−15 39.9	1.788	2.802	0.1	18.7
8 19	21 9.68	−16 49.8	1.799	2.798	4.1	19.1
8 29	21 3.10	−17 53.7	1.837	2.795	8.1	19.3
9 8	20 58.09	−18 47.2	1.898	2.792	11.6	19.5
9 18	20 55.20	−19 28.0	1.982	2.789	14.6	19.7

446429 2014 JE_{35} 8 9.2 320°.02 3°.8/ 5.7 18

7 10	21 37.43	−24 15.7	2.079	2.989	10.4	20.2
7 20	21 32.07	−25 28.3	2.022	2.988	7.4	20.0
7 30	21 25.04	−26 40.6	1.991	2.987	4.6	19.9
8 9	21 17.06	−27 46.4	1.987	2.987	4.0	19.8
8 19	21 8.98	−28 40.1	2.010	2.986	6.3	20.0
8 29	21 1.75	−29 18.1	2.060	2.985	9.4	20.2
9 8	20 56.15	−29 39.0	2.133	2.984	12.3	20.4
9 18	20 52.72	−29 43.7	2.226	2.983	14.7	20.5

283704 2002 RT_{269} 8 9.2 328°.07 0°.9/ 8.6 18

7 10	21 38.38	−16 20.5	1.650	2.559	12.7	21.2
7 20	21 32.98	−16 50.1	1.585	2.552	8.9	20.9
7 30	21 25.60	−17 26.4	1.543	2.546	4.5	20.7
8 9	21 17.07	−18 4.4	1.527	2.540	0.9	20.4
8 19	21 8.42	−18 38.8	1.537	2.535	4.9	20.7
8 29	21 0.77	−19 5.2	1.572	2.529	9.3	20.9
9 8	20 55.06	−19 20.9	1.631	2.525	13.2	21.1
9 18	20 51.88	−19 25.0	1.710	2.520	16.5	21.4

119913 2002 EU_{55} 8 9.2 238°.41 2°.8/11.8 18

7 10	21 35.35	− 4 40.5	2.236	3.104	11.5	20.0
7 20	21 30.46	− 5 10.6	2.162	3.101	8.6	19.8
7 30	21 24.16	− 5 54.5	2.113	3.098	5.5	19.6
8 9	21 17.05	− 6 49.7	2.090	3.095	2.9	19.5
8 19	21 9.83	− 7 52.0	2.095	3.092	3.9	19.5
8 29	21 3.27	− 8 56.8	2.128	3.090	6.9	19.7
9 8	20 58.04	− 9 59.4	2.187	3.087	10.0	19.9
9 18	20 54.62	−10 55.8	2.268	3.084	12.8	20.1

23106 1999 XM_{191} 8 9.2 56°.94 5°.5/12.9 18

7 10	21 39.74	+ 0 30.0	2.312	3.147	12.3	17.7
7 20	21 33.43	+ 1 16.9	2.240	3.148	9.9	17.6
7 30	21 25.67	+ 1 50.0	2.192	3.149	7.4	17.4
8 9	21 17.09	+ 2 8.9	2.170	3.150	5.7	17.3
8 19	21 8.42	+ 2 14.2	2.175	3.151	5.9	17.3
8 29	21 0.46	+ 2 7.9	2.208	3.152	7.8	17.5
9 8	20 53.91	+ 1 53.5	2.267	3.153	10.3	17.6
9 18	20 49.23	+ 1 34.6	2.348	3.154	12.7	17.8

329759 2004 EW_{80} 8 9.2 82°.60 0°.3/ 8.9 17

7 10	21 39.45	−13 12.8	1.475	2.381	14.1	20.6
7 20	21 33.77	−14 11.5	1.425	2.391	9.8	20.4
7 30	21 26.00	−15 21.5	1.398	2.400	5.0	20.2
8 9	21 17.10	−16 35.6	1.396	2.409	0.3	19.8
8 19	21 8.19	−17 46.3	1.420	2.419	5.0	20.2
8 29	21 0.48	−18 47.2	1.469	2.428	9.6	20.5
9 8	20 54.91	−19 34.0	1.542	2.437	13.7	20.8
9 18	20 52.03	−20 5.1	1.634	2.446	17.0	21.0

117166 2004 RU_{6} 8 9.2 271°.01 0°.4/ 9.6 18

7 10	21 35.44	−10 41.9	2.370	3.256	10.3	19.7
7 20	21 30.59	−11 46.1	2.283	3.239	7.3	19.5
7 30	21 24.29	−13 1.5	2.223	3.221	3.9	19.2
8 9	21 17.08	−14 23.8	2.190	3.204	0.5	18.9
8 19	21 9.65	−15 47.7	2.187	3.186	3.5	19.2
8 29	21 2.76	−17 7.8	2.212	3.168	7.1	19.3
9 8	20 57.12	−18 19.6	2.264	3.150	10.3	19.5
9 18	20 53.26	−19 20.1	2.339	3.132	13.1	19.7

296190 2009 BY_{170} 8 9.2 68°.17 0°.3/ 8.9 18

7 10	21 37.50	−14 7.3	1.881	2.782	11.8	20.7
7 20	21 32.15	−14 52.6	1.821	2.784	8.2	20.5
7 30	21 25.10	−15 46.0	1.784	2.786	4.2	20.3
8 9	21 17.10	−16 42.6	1.774	2.787	0.3	19.9
8 19	21 9.02	−17 37.2	1.791	2.789	4.3	20.3
8 29	21 1.83	−18 24.7	1.835	2.791	8.2	20.5
9 8	20 56.32	−19 2.0	1.903	2.793	11.8	20.7
9 18	20 53.02	−19 27.4	1.992	2.794	14.7	21.0

142930 2002 VR_{63} 8 9.2 313°.90 2°.1/10.6 18

7 10	21 38.56	− 9 34.3	1.814	2.703	12.8	19.9
7 20	21 32.96	− 9 33.8	1.743	2.697	9.3	19.7
7 30	21 25.56	− 9 44.2	1.696	2.691	5.4	19.4
8 9	21 17.12	−10 2.9	1.675	2.685	2.2	19.2
8 19	21 8.55	−10 26.6	1.680	2.680	4.2	19.3
8 29	21 0.86	−10 51.4	1.712	2.675	8.2	19.6
9 8	20 54.90	−11 13.8	1.768	2.669	11.9	19.8
9 18	20 51.24	−11 31.0	1.845	2.665	15.1	20.0

408986 2002 TF_{69} 8 9.2 282°.12 20°.3/25.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 37.71	+25 48.8	1.161	1.898	27.3	20.6
7 20	21 33.39	+27 9.6	1.096	1.890	25.5	20.4
7 30	21 26.22	+27 42.3	1.042	1.881	23.5	20.3
8 9	21 17.13	+27 17.4	1.000	1.873	21.7	20.1
8 19	21 7.52	+25 50.0	0.974	1.865	20.5	20.0
8 29	20 59.09	+23 23.7	0.963	1.856	20.3	20.0
9 8	20 53.34	+20 12.0	0.971	1.848	21.3	20.0
9 18	20 51.19	+16 33.8	0.995	1.840	23.2	20.1

512976 2017 UQ_{8} 8 9.2 305°.09 0°.3/ 9.3 18

7 10	21 42.65	−15 10.6	1.198	2.113	16.0	21.0
7 20	21 36.73	−15 2.9	1.124	2.093	11.4	20.7
7 30	21 27.90	−15 3.1	1.070	2.073	6.1	20.3
8 9	21 17.17	−15 7.2	1.039	2.053	0.4	19.8
8 19	21 5.99	−15 10.6	1.032	2.033	5.9	20.2
8 29	20 56.07	−15 9.1	1.048	2.014	11.7	20.4
9 8	20 48.84	−15 0.1	1.085	1.995	16.9	20.7
9 18	20 45.16	−14 42.4	1.139	1.977	21.3	20.9

447181 2005 SO_{55} 8 9.2 263°.66 4°.4/13.2 18

7 10	21 35.64	− 0 3.0	2.357	3.201	11.8	21.7
7 20	21 30.69	− 0 13.6	2.268	3.186	9.3	21.5
7 30	21 24.32	− 0 40.0	2.203	3.171	6.7	21.3
8 9	21 17.10	− 1 21.2	2.164	3.155	4.6	21.2
8 19	21 9.68	− 2 14.4	2.152	3.140	4.8	21.2
8 29	21 2.81	− 3 15.5	2.167	3.124	7.1	21.3
9 8	20 57.19	− 4 19.6	2.209	3.108	10.0	21.4
9 18	20 53.32	− 5 22.1	2.274	3.092	12.7	21.6

449499 2014 GJ_{3} 8 9.2 69°.11 4°.1/12.6 16

7 10	21 37.24	− 2 12.3	1.912	2.774	13.4	21.0
7 20	21 31.79	− 2 26.0	1.861	2.793	10.2	20.8
7 30	21 24.84	− 2 56.4	1.833	2.811	6.9	20.7
8 9	21 17.11	− 3 40.9	1.831	2.830	4.3	20.6
8 19	21 9.43	− 4 35.3	1.855	2.849	4.8	20.6
8 29	21 2.66	− 5 34.5	1.906	2.867	7.6	20.8
9 8	20 57.51	− 6 33.1	1.982	2.886	10.7	21.1
9 18	20 54.40	− 7 26.9	2.081	2.904	13.5	21.3

424582 2008 GZ_{46} 8 9.2 181°.22 2°.7/ 7.1 17

7 10	21 40.79	−19 42.3	1.697	2.606	12.4	21.5
7 20	21 34.66	−20 50.7	1.639	2.607	8.6	21.2
7 30	21 26.49	−22 3.4	1.606	2.607	4.6	21.0
8 9	21 17.14	−23 13.0	1.599	2.607	2.9	20.9
8 19	21 7.69	−24 12.6	1.619	2.607	6.1	21.1
8 29	20 59.29	−24 57.3	1.664	2.606	10.0	21.3
9 8	20 52.91	−25 24.9	1.733	2.605	13.6	21.6
9 18	20 49.13	−25 35.7	1.822	2.604	16.7	21.8

1623 Vivian 8 9.2 257°.27 0°.4/ 8.8 18 R

7 10	21 36.60	−15 16.2	2.463	3.358	9.6	16.5
7 20	21 31.31	−15 49.5	2.384	3.345	6.7	16.3
7 30	21 24.63	−16 28.4	2.331	3.332	3.4	16.1
8 9	21 17.11	−17 9.4	2.306	3.319	0.4	15.8
8 19	21 9.46	−17 48.8	2.309	3.306	3.6	16.1
8 29	21 2.40	−18 23.2	2.340	3.292	6.9	16.2
9 8	20 56.62	−18 50.1	2.397	3.279	10.0	16.4
9 18	20 52.61	−19 8.1	2.476	3.265	12.6	16.6

128561 2004 PK_{90} 8 9.2 324°.69 4°.5/12.6 18

7 10	21 36.57	− 2 0.9	2.051	2.910	12.8	19.7
7 20	21 31.42	− 1 48.3	1.977	2.905	9.9	19.5
7 30	21 24.72	− 1 50.9	1.926	2.900	7.0	19.4
8 9	21 17.12	− 2 7.6	1.900	2.895	4.8	19.2
8 19	21 9.40	− 2 36.2	1.901	2.890	5.2	19.2
8 29	21 2.40	− 3 13.0	1.928	2.886	7.8	19.4
9 8	20 56.86	− 3 53.5	1.980	2.882	10.8	19.6
9 18	20 53.32	− 4 33.4	2.054	2.878	13.6	19.7

3378 Susanvictoria 8 9.2 257°.59 2°.1/ 8.1 18

7 10	21 44.59	−20 2.2	1.498	2.408	13.7	17.1
7 20	21 37.56	−20 18.5	1.431	2.399	9.6	16.8
7 30	21 28.10	−20 37.1	1.387	2.390	5.1	16.5
8 9	21 17.19	−20 52.2	1.368	2.380	2.1	16.3
8 19	21 6.14	−20 59.1	1.376	2.370	5.9	16.5
8 29	20 56.33	−20 54.7	1.408	2.361	10.6	16.8
9 8	20 48.90	−20 38.2	1.464	2.351	14.8	17.0
9 18	20 44.51	−20 10.7	1.538	2.341	18.3	17.2

339361 2005 AB_{40} 8 9.2 267°.29 6°.3/ 4.7 18

7 10	21 43.84	−31 27.1	1.872	2.775	11.7	20.7
7 20	21 36.89	−32 20.7	1.804	2.759	8.9	20.5
7 30	21 27.70	−33 7.4	1.761	2.743	6.7	20.3
8 9	21 17.19	−33 39.8	1.743	2.726	6.5	20.3
8 19	21 6.49	−33 52.8	1.752	2.709	8.6	20.4
8 29	20 56.89	−33 43.9	1.785	2.692	11.6	20.5
9 8	20 49.42	−33 14.5	1.841	2.675	14.6	20.7
9 18	20 44.74	−32 27.9	1.915	2.657	17.3	20.8

167138 2003 SP_{195} 8 9.2 261°.65 4°.1/11.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 40.93	− 5 22.1	1.498	2.380	15.4	19.7
7 20	21 34.97	− 5 13.2	1.425	2.370	11.7	19.5
7 30	21 26.76	− 5 21.3	1.373	2.360	7.6	19.2
8 9	21 17.17	− 5 44.7	1.345	2.350	4.3	19.0
8 19	21 7.31	− 6 20.0	1.343	2.340	5.6	19.0
8 29	20 58.46	− 7 1.9	1.365	2.329	9.7	19.2
9 8	20 51.70	− 7 44.4	1.411	2.318	13.9	19.5
9 18	20 47.73	− 8 22.7	1.477	2.308	17.6	19.7

92208 1999 YO_{17} 8 9.2 312°.36 2°.2/ 7.3 18

7 10	21 36.37	−19 39.2	1.969	2.879	10.9	19.3
7 20	21 31.47	−20 31.7	1.897	2.865	7.6	19.0
7 30	21 24.82	−21 28.4	1.849	2.851	4.1	18.8
8 9	21 17.13	−22 23.7	1.827	2.837	2.3	18.6
8 19	21 9.25	−23 12.4	1.833	2.823	5.3	18.8
8 29	21 2.14	−23 49.9	1.865	2.810	8.9	19.0
9 8	20 56.65	−24 13.8	1.920	2.797	12.3	19.2
9 18	20 53.36	−24 23.6	1.996	2.784	15.2	19.4

482428 2012 CT_{18} 8 9.2 220°.04 5°.5/15.8 18

7 10	21 34.59	+ 7 1.3	2.537	3.339	12.3	20.7
7 20	21 29.84	+ 6 22.2	2.453	3.336	10.1	20.5
7 30	21 23.84	+ 5 22.7	2.392	3.332	7.8	20.4
8 9	21 17.12	+ 4 4.2	2.357	3.329	6.0	20.2
8 19	21 10.28	+ 2 30.2	2.350	3.325	5.6	20.2
8 29	21 3.99	+ 0 45.9	2.372	3.321	7.0	20.3
9 8	20 58.87	− 1 2.4	2.421	3.317	9.3	20.4
9 18	20 55.36	− 2 48.5	2.495	3.313	11.7	20.6

373772 2002 TJ_{290} 8 9.2 293°.43 4°.6/11.6 18

7 10	21 40.32	− 5 9.8	1.480	2.363	15.5	20.8
7 20	21 34.77	− 4 51.8	1.391	2.336	11.9	20.5
7 30	21 26.80	− 4 50.6	1.322	2.309	7.9	20.2
8 9	21 17.19	− 5 5.5	1.277	2.281	4.8	19.9
8 19	21 7.03	− 5 34.0	1.257	2.254	6.1	19.9
8 29	20 57.68	− 6 11.4	1.262	2.226	10.3	20.1
9 8	20 50.38	− 6 51.8	1.290	2.199	14.8	20.3
9 18	20 45.99	− 7 29.7	1.336	2.172	18.9	20.5

58972 1998 RO_{16} 8 9.2 7°.78 6°.2/14.1 18

7 10	21 32.30	+ 1 20.3	1.242	2.121	18.1	17.6
7 20	21 29.05	+ 0 53.8	1.186	2.123	14.3	17.4
7 30	21 23.69	− 0 2.9	1.149	2.125	10.2	17.2
8 9	21 17.12	− 1 26.7	1.133	2.130	6.8	17.0
8 19	21 10.45	− 3 10.3	1.140	2.135	6.8	17.0
8 29	21 4.91	− 5 3.2	1.170	2.142	10.0	17.2
9 8	21 1.49	− 6 54.1	1.223	2.150	14.0	17.5
9 18	21 0.77	− 8 34.0	1.296	2.159	17.7	17.8

431811 2008 RY_{29} 8 9.2 14°.68 2°.8/10.9 16

7 10	21 34.28	− 7 25.6	1.096	2.009	17.3	20.4
7 20	21 30.57	− 7 53.8	1.051	2.015	12.6	20.2
7 30	21 24.50	− 8 43.2	1.024	2.022	7.5	19.9
8 9	21 17.14	− 9 48.1	1.020	2.031	3.0	19.7
8 19	21 9.79	−11 0.4	1.038	2.041	5.4	19.9
8 29	21 3.80	−12 11.0	1.079	2.052	10.4	20.2
9 8	21 0.24	−13 12.3	1.140	2.065	15.0	20.5
9 18	20 59.65	−13 59.4	1.220	2.078	18.9	20.8

384525 2010 DB_{36} 8 9.2 116°.97 0°.7/ 8.8 16

7 10	21 41.78	−16 46.6	1.808	2.709	12.2	21.5
7 20	21 35.13	−17 1.3	1.751	2.715	8.5	21.3
7 30	21 26.65	−17 20.4	1.719	2.721	4.3	21.0
8 9	21 17.20	−17 39.9	1.713	2.727	0.7	20.8
8 19	21 7.78	−17 55.8	1.735	2.733	4.5	21.1
8 29	20 59.43	−18 5.2	1.784	2.738	8.5	21.3
9 8	20 52.99	−18 6.4	1.856	2.744	12.1	21.6
9 18	20 48.97	−17 59.1	1.950	2.749	15.1	21.8

392767 2012 TT_{60} 8 9.2 43°.17 20°.7/30.8 17

7 10	21 36.86	+29 18.9	1.140	1.855	28.8	20.2
7 20	21 32.66	+30 32.5	1.091	1.861	26.9	20.0
7 30	21 25.74	+30 53.3	1.051	1.867	24.9	19.9
8 9	21 17.19	+30 13.3	1.023	1.874	22.9	19.8
8 19	21 8.43	+28 30.2	1.008	1.882	21.4	19.7
8 29	21 1.10	+25 49.8	1.010	1.890	20.7	19.7
9 8	20 56.50	+22 27.2	1.029	1.898	21.0	19.8
9 18	20 55.34	+18 41.9	1.066	1.906	22.3	19.9

371916 2008 DQ_{72} 8 9.2 46°.57 2°.5/ 8.1 17

7 10	21 44.34	−20 47.4	1.295	2.212	14.9	19.9
7 20	21 37.37	−21 0.6	1.249	2.220	10.4	19.7
7 30	21 27.93	−21 14.9	1.225	2.228	5.5	19.4
8 9	21 17.23	−21 24.2	1.226	2.237	2.5	19.3
8 19	21 6.70	−21 24.0	1.251	2.246	6.3	19.5
8 29	20 57.78	−21 11.9	1.300	2.255	11.0	19.8
9 8	20 51.51	−20 48.0	1.371	2.265	15.2	20.1
9 18	20 48.41	−20 13.7	1.461	2.274	18.6	20.4

330658 2008 FG_{132} 8 9.2 221°.25 1°.3/ 8.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 42.67	−17 27.8	1.834	2.735	12.1	21.8
7 20	21 35.94	−18 6.0	1.762	2.726	8.4	21.6
7 30	21 27.19	−18 49.5	1.714	2.716	4.4	21.3
8 9	21 17.23	−19 33.0	1.693	2.706	1.4	21.1
8 19	21 7.07	−20 11.3	1.700	2.695	5.0	21.3
8 29	20 57.84	−20 40.1	1.734	2.683	9.2	21.6
9 8	20 50.51	−20 57.1	1.792	2.671	12.9	21.8
9 18	20 45.70	−21 1.9	1.870	2.658	16.1	22.0

193385 2000 VC_{30} 8 9.2 287°.99 2°.3/10.9 18

7 10	21 38.24	− 7 43.2	1.718	2.605	13.5	19.9
7 20	21 33.05	− 8 6.3	1.628	2.579	10.0	19.7
7 30	21 25.81	− 8 45.0	1.560	2.554	6.0	19.4
8 9	21 17.21	− 9 36.3	1.518	2.528	2.5	19.1
8 19	21 8.19	−10 35.4	1.502	2.502	4.6	19.2
8 29	20 59.89	−11 36.5	1.512	2.475	8.9	19.4
9 8	20 53.33	−12 33.7	1.546	2.449	13.2	19.6
9 18	20 49.26	−13 22.4	1.600	2.423	16.9	19.7

207710 2007 RR_{102} 8 9.2 142°.30 0°.8/ 8.7 17

7 10	21 43.70	−15 38.9	1.498	2.402	14.1	21.1
7 20	21 36.76	−16 15.0	1.445	2.410	9.8	20.8
7 30	21 27.61	−16 58.6	1.415	2.417	5.0	20.6
8 9	21 17.25	−17 43.6	1.411	2.424	0.8	20.3
8 19	21 6.90	−18 24.0	1.433	2.430	5.2	20.6
8 29	20 57.84	−18 55.0	1.481	2.436	9.8	20.9
9 8	20 51.08	−19 14.0	1.551	2.442	13.9	21.2
9 18	20 47.17	−19 20.6	1.642	2.446	17.3	21.4

309646 2008 CA_{212} 8 9.2 250°.75 4°.8/ 5.5 18

7 10	21 41.26	−28 54.2	2.134	3.038	10.5	20.6
7 20	21 34.77	−29 37.5	2.073	3.031	7.7	20.4
7 30	21 26.50	−30 15.9	2.036	3.025	5.4	20.3
8 9	21 17.23	−30 44.0	2.027	3.018	4.9	20.2
8 19	21 7.90	−30 57.6	2.044	3.011	6.9	20.4
8 29	20 59.51	−30 54.7	2.087	3.004	9.7	20.5
9 8	20 52.91	−30 35.8	2.154	2.996	12.5	20.7
9 18	20 48.62	−30 2.9	2.241	2.989	14.9	20.9

252673 2002 AZ_{58} 8 9.2 135°.27 1°.9/10.3 17

7 10	21 44.10	−10 24.3	1.539	2.429	14.6	20.4
7 20	21 36.95	−10 26.8	1.483	2.438	10.5	20.2
7 30	21 27.67	−10 40.8	1.451	2.447	5.9	19.9
8 9	21 17.26	−11 2.9	1.443	2.455	2.0	19.7
8 19	21 6.87	−11 28.7	1.463	2.463	4.7	19.9
8 29	20 57.73	−11 53.9	1.508	2.470	9.2	20.2
9 8	20 50.80	−12 14.8	1.578	2.477	13.2	20.4
9 18	20 46.62	−12 28.9	1.667	2.483	16.6	20.7

190663 2000 YF_{88} 8 9.2 331°.12 1°.2/ 9.9 18 R

7 10	21 36.16	−11 41.8	1.277	2.191	15.3	19.0
7 20	21 31.97	−11 56.8	1.205	2.172	11.0	18.7
7 30	21 25.36	−12 25.8	1.153	2.154	6.1	18.4
8 9	21 17.21	−13 4.8	1.124	2.137	1.3	18.0
8 19	21 8.73	−13 47.7	1.119	2.121	5.2	18.2
8 29	21 1.32	−14 28.2	1.137	2.106	10.5	18.5
9 8	20 56.18	−15 0.8	1.176	2.093	15.4	18.7
9 18	20 54.09	−15 21.9	1.234	2.080	19.5	18.9

214960 2007 XX_{42} 8 9.2 199°.29 1°.2/ 8.3 18

7 10	21 38.94	−17 37.1	2.038	2.940	11.0	21.3
7 20	21 33.10	−18 11.1	1.975	2.939	7.6	21.1
7 30	21 25.62	−18 49.3	1.936	2.939	3.9	20.8
8 9	21 17.22	−19 27.2	1.925	2.937	1.2	20.6
8 19	21 8.75	−20 0.6	1.941	2.936	4.4	20.9
8 29	21 1.14	−20 25.8	1.984	2.935	8.1	21.1
9 8	20 55.16	−20 41.0	2.052	2.933	11.4	21.3
9 18	20 51.31	−20 45.6	2.141	2.932	14.2	21.5

374886 2006 WH_{27} 8 9.2 273°.75 1°.2/ 9.9 18

7 10	21 40.48	−11 12.5	1.572	2.469	13.9	21.7
7 20	21 34.71	−11 33.6	1.492	2.451	10.0	21.5
7 30	21 26.70	−12 7.2	1.434	2.433	5.6	21.2
8 9	21 17.25	−12 49.5	1.401	2.414	1.3	20.8
8 19	21 7.44	−13 35.1	1.394	2.395	4.8	21.0
8 29	20 58.53	−14 18.4	1.413	2.376	9.6	21.3
9 8	20 51.63	−14 54.7	1.455	2.356	14.0	21.5
9 18	20 47.48	−15 20.9	1.517	2.337	17.8	21.7

304589 2006 VE_{54} 8 9.2 2°.80 3°.1/ 7.1 18

7 10	21 39.47	−22 53.3	1.804	2.716	11.7	20.2
7 20	21 33.64	−23 29.3	1.748	2.716	8.2	20.0
7 30	21 25.95	−24 5.1	1.716	2.716	4.7	19.7
8 9	21 17.23	−24 35.1	1.710	2.716	3.2	19.7
8 19	21 8.50	−24 54.9	1.730	2.717	6.0	19.8
8 29	21 0.82	−25 1.5	1.776	2.718	9.5	20.0
9 8	20 55.03	−24 54.4	1.845	2.719	12.9	20.3
9 18	20 51.68	−24 34.6	1.934	2.720	15.7	20.5

512157 2015 PE_{314} 8 9.2 77°.45 0°.2/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 37.47	−14 28.9	2.064	2.962	11.1	21.2
7 20	21 32.00	−15 3.7	2.008	2.970	7.7	21.0
7 30	21 25.02	−15 44.9	1.977	2.978	3.9	20.8
8 9	21 17.23	−16 28.5	1.973	2.987	0.2	20.5
8 19	21 9.43	−17 10.2	1.997	2.995	3.9	20.8
8 29	21 2.48	−17 46.0	2.048	3.004	7.5	21.1
9 8	20 57.09	−18 13.3	2.123	3.012	10.8	21.3
9 18	20 53.70	−18 30.9	2.221	3.020	13.5	21.5

431663 2008 CC_{60} 8 9.2 217°.40 1°.0/ 9.9 17

7 10	21 40.94	−11 2.5	1.678	2.571	13.4	22.6
7 20	21 34.82	−11 32.9	1.608	2.565	9.6	22.3
7 30	21 26.65	−12 15.3	1.561	2.560	5.3	22.0
8 9	21 17.27	−13 5.2	1.540	2.553	1.1	21.7
8 19	21 7.70	−13 57.2	1.547	2.547	4.5	22.0
8 29	20 59.10	−14 45.8	1.579	2.540	8.9	22.2
9 8	20 52.42	−15 26.5	1.636	2.532	13.0	22.4
9 18	20 48.31	−15 56.8	1.713	2.524	16.4	22.7

83058 2001 QL_{207} 8 9.2 306°.05 1°.0/ 8.5 18

7 10	21 38.43	−16 56.7	1.834	2.740	11.8	19.3
7 20	21 32.95	−17 27.4	1.766	2.732	8.2	19.1
7 30	21 25.63	−18 3.6	1.721	2.724	4.2	18.8
8 9	21 17.25	−18 40.6	1.703	2.716	1.1	18.6
8 19	21 8.73	−19 13.8	1.712	2.708	4.7	18.8
8 29	21 1.11	−19 39.2	1.746	2.701	8.7	19.1
9 8	20 55.24	−19 54.2	1.805	2.694	12.4	19.3
9 18	20 51.71	−19 58.1	1.884	2.686	15.5	19.5

453694 2010 WS_{21} 8 9.2 236°.09 1°.3/10.4 18

7 10	21 36.47	− 9 54.6	2.584	3.463	9.8	21.7
7 20	21 31.16	−10 10.6	2.505	3.455	7.1	21.5
7 30	21 24.57	−10 34.7	2.452	3.446	4.0	21.3
8 9	21 17.23	−11 4.6	2.426	3.437	1.4	21.1
8 19	21 9.78	−11 37.5	2.429	3.428	3.2	21.2
8 29	21 2.90	−12 10.1	2.460	3.419	6.3	21.4
9 8	20 57.21	−12 39.8	2.518	3.410	9.2	21.6
9 18	20 53.16	−13 4.3	2.599	3.400	11.7	21.7

281637 2008 UN_{316} 8 9.2 317°.52 1°.1/ 9.9 18

7 10	21 37.25	−11 41.3	1.403	2.311	14.6	20.0
7 20	21 32.66	−11 59.8	1.323	2.288	10.5	19.7
7 30	21 25.73	−12 31.9	1.264	2.265	5.8	19.3
8 9	21 17.26	−13 13.4	1.229	2.242	1.2	19.0
8 19	21 8.38	−13 58.7	1.218	2.220	5.0	19.2
8 29	21 0.44	−14 41.7	1.232	2.199	10.2	19.4
9 8	20 54.63	−15 17.0	1.268	2.178	14.9	19.6
9 18	20 51.72	−15 41.1	1.322	2.159	19.0	19.8

363727 2004 WS_{1} 8 9.2 312°.46 2°.8/10.6 17

7 10	21 39.45	− 9 9.0	1.169	2.077	16.9	20.9
7 20	21 34.45	− 9 9.1	1.100	2.062	12.4	20.6
7 30	21 26.73	− 9 26.3	1.050	2.047	7.4	20.3
8 9	21 17.29	− 9 57.6	1.022	2.033	2.9	20.0
8 19	21 7.46	−10 37.5	1.018	2.020	5.8	20.1
8 29	20 58.84	−11 19.4	1.036	2.007	11.2	20.4
9 8	20 52.77	−11 56.8	1.076	1.994	16.3	20.6
9 18	20 50.06	−12 25.1	1.132	1.982	20.6	20.9

233498 2007 EC_{14} 8 9.2 66°.47 2°.6/ 8.0 17

7 10	21 45.29	−19 23.7	1.082	2.004	16.7	20.5
7 20	21 38.25	−19 59.3	1.047	2.020	11.6	20.2
7 30	21 28.46	−20 38.5	1.033	2.036	6.0	20.0
8 9	21 17.32	−21 13.0	1.041	2.053	2.6	19.8
8 19	21 6.48	−21 36.2	1.074	2.069	6.9	20.1
8 29	20 57.58	−21 44.1	1.129	2.086	12.0	20.5
9 8	20 51.69	−21 36.5	1.204	2.103	16.5	20.8
9 18	20 49.28	−21 14.9	1.298	2.119	20.1	21.1

479013 2012 XD_{152} 8 9.2 245°.06 1°.1/10.0 18

7 10	21 40.28	−11 39.4	2.261	3.144	10.8	21.5
7 20	21 34.00	−11 44.3	2.177	3.129	7.8	21.3
7 30	21 26.12	−11 56.6	2.117	3.114	4.3	21.1
8 9	21 17.27	−12 13.9	2.085	3.098	1.2	20.8
8 19	21 8.23	−12 33.3	2.082	3.081	3.6	21.0
8 29	20 59.85	−12 51.8	2.106	3.064	7.2	21.2
9 8	20 52.92	−13 6.9	2.157	3.046	10.6	21.4
9 18	20 47.97	−13 16.7	2.230	3.028	13.5	21.5

472153 2014 DX_{5} 8 9.2 217°.29 0°.2/ 9.4 18

7 10	21 38.87	−12 49.7	2.186	3.075	10.9	21.9
7 20	21 33.05	−13 30.8	2.110	3.068	7.7	21.7
7 30	21 25.64	−14 20.4	2.060	3.060	4.0	21.5
8 9	21 17.28	−15 14.4	2.037	3.051	0.2	21.1
8 19	21 8.76	−16 8.1	2.043	3.042	3.8	21.4
8 29	21 0.94	−16 57.2	2.077	3.033	7.5	21.6
9 8	20 54.59	−17 38.3	2.137	3.022	10.9	21.8
9 18	20 50.24	−18 9.3	2.219	3.012	13.7	22.0

350264 2012 TG_{187} 8 9.2 226°.00 3°.7/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 40.48	−24 6.6	1.862	2.772	11.5	20.3
7 20	21 34.37	−24 57.4	1.805	2.771	8.1	20.1
7 30	21 26.37	−25 47.3	1.772	2.769	4.9	19.9
8 9	21 17.30	−26 30.2	1.765	2.768	3.9	19.8
8 19	21 8.17	−27 1.0	1.785	2.766	6.4	20.0
8 29	21 0.06	−27 16.5	1.831	2.764	9.8	20.2
9 8	20 53.84	−27 16.1	1.900	2.763	13.0	20.4
9 18	20 50.08	−27 1.1	1.989	2.761	15.8	20.6

113395 Curtniebur 8 9.2 312°.93 3°.5/ 6.8 18

7 10	21 40.25	−23 27.7	1.771	2.683	11.8	19.3
7 20	21 34.29	−24 9.2	1.710	2.678	8.3	19.1
7 30	21 26.36	−24 50.3	1.673	2.672	4.9	18.9
8 9	21 17.30	−25 25.0	1.662	2.668	3.6	18.8
8 19	21 8.16	−25 48.4	1.678	2.663	6.3	18.9
8 29	21 0.07	−25 57.3	1.719	2.658	10.0	19.1
9 8	20 53.94	−25 51.0	1.783	2.654	13.4	19.4
9 18	20 50.34	−25 30.9	1.867	2.649	16.3	19.5

160375 2004 HG_{6} 8 9.2 67°.50 2°.7/ 7.5 17

7 10	21 41.66	−19 27.9	1.409	2.324	14.0	20.0
7 20	21 35.35	−20 25.4	1.372	2.342	9.7	19.8
7 30	21 26.87	−21 26.2	1.358	2.360	5.1	19.6
8 9	21 17.31	−22 22.3	1.369	2.379	2.8	19.5
8 19	21 7.92	−23 7.3	1.405	2.397	6.3	19.7
8 29	20 59.96	−23 36.8	1.466	2.415	10.5	20.0
9 8	20 54.37	−23 49.6	1.549	2.433	14.3	20.3
9 18	20 51.60	−23 46.7	1.651	2.451	17.4	20.6

170520 2003 WQ_{73} 8 9.2 180°.00 3°.4/11.9 18

7 10	21 39.06	− 4 15.8	2.294	3.153	11.6	21.0
7 20	21 33.04	− 4 13.0	2.222	3.154	8.8	20.8
7 30	21 25.57	− 4 22.5	2.175	3.155	5.8	20.6
8 9	21 17.30	− 4 42.7	2.154	3.155	3.6	20.5
8 19	21 8.94	− 5 11.3	2.161	3.155	4.3	20.5
8 29	21 1.28	− 5 44.8	2.197	3.154	7.0	20.7
9 8	20 55.01	− 6 19.6	2.258	3.153	10.0	20.9
9 18	20 50.62	− 6 52.3	2.342	3.151	12.6	21.1

4580 Child 8 9.2 124°.27 3°.9/12.8 18 R

7 10	21 37.51	− 1 20.5	1.928	2.785	13.5	16.6
7 20	21 32.13	− 1 58.1	1.865	2.794	10.3	16.4
7 30	21 25.15	− 2 54.4	1.824	2.802	6.9	16.3
8 9	21 17.29	− 4 6.2	1.810	2.810	4.2	16.1
8 19	21 9.37	− 5 28.2	1.823	2.818	4.7	16.2
8 29	21 2.28	− 6 54.1	1.864	2.826	7.7	16.4
9 8	20 56.79	− 8 17.5	1.930	2.833	11.0	16.6
9 18	20 53.37	− 9 33.2	2.019	2.840	13.9	16.8

471650 2012 TR_{107} 8 9.2 148°.52 5°.0/13.1 18

7 10	21 39.80	− 0 16.4	2.117	2.960	13.0	21.1
7 20	21 33.61	− 0 0.1	2.050	2.967	10.2	21.0
7 30	21 25.89	+ 0 0.3	2.007	2.973	7.3	20.8
8 9	21 17.32	− 0 14.2	1.990	2.979	5.3	20.7
8 19	21 8.69	− 0 41.5	2.000	2.984	5.5	20.7
8 29	21 0.86	− 1 18.1	2.037	2.989	7.8	20.9
9 8	20 54.54	− 1 59.2	2.099	2.994	10.6	21.1
9 18	20 50.23	− 2 40.6	2.184	2.998	13.2	21.3

441387 2008 FT_{17} 8 9.2 320°.76 0°.4/ 8.9 18

7 10	21 37.19	−14 48.3	2.038	2.938	11.1	21.1
7 20	21 31.92	−15 25.2	1.973	2.936	7.7	20.9
7 30	21 25.06	−16 8.9	1.933	2.934	4.0	20.6
8 9	21 17.30	−16 55.2	1.919	2.933	0.4	20.3
8 19	21 9.46	−17 39.5	1.933	2.931	4.0	20.6
8 29	21 2.41	−18 17.7	1.974	2.930	7.8	20.9
9 8	20 56.91	−18 46.9	2.040	2.929	11.1	21.1
9 18	20 53.48	−19 5.7	2.128	2.928	14.0	21.3

358908 2008 GG_{100} 8 9.2 31°.38 0°.7/ 8.7 15

7 10	21 36.85	−15 50.6	1.824	2.730	11.8	20.8
7 20	21 31.74	−16 27.2	1.773	2.739	8.2	20.6
7 30	21 24.96	−17 9.8	1.746	2.748	4.2	20.4
8 9	21 17.30	−17 53.8	1.744	2.758	0.8	20.1
8 19	21 9.66	−18 34.1	1.770	2.768	4.4	20.4
8 29	21 2.98	−19 6.8	1.822	2.778	8.3	20.7
9 8	20 58.02	−19 29.4	1.898	2.789	11.7	20.9
9 18	20 55.25	−19 40.7	1.994	2.800	14.6	21.2

67376 2000 NP_{28} 8 9.2 108°.79 1°.6/10.3 17

7 10	21 42.48	− 9 45.4	1.406	2.302	15.4	19.5
7 20	21 35.96	−10 15.1	1.356	2.314	11.0	19.3
7 30	21 27.25	−10 59.2	1.329	2.327	6.1	19.0
8 9	21 17.37	−11 52.4	1.327	2.339	1.7	18.8
8 19	21 7.53	−12 48.1	1.350	2.351	4.8	19.0
8 29	20 59.02	−13 40.2	1.399	2.362	9.5	19.3
9 8	20 52.80	−14 23.5	1.471	2.373	13.7	19.6
9 18	20 49.43	−14 55.5	1.562	2.384	17.2	19.9

287956 2003 UP_{104} 8 9.2 267°.55 5°.1/12.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 40.34	− 3 4.3	1.454	2.330	16.1	20.4
7 20	21 34.63	− 2 53.2	1.385	2.324	12.4	20.2
7 30	21 26.68	− 3 1.9	1.336	2.317	8.4	19.9
8 9	21 17.36	− 3 29.3	1.311	2.311	5.4	19.7
8 19	21 7.81	− 4 11.6	1.310	2.305	6.2	19.8
8 29	20 59.31	− 5 3.0	1.335	2.298	9.9	20.0
9 8	20 52.92	− 5 56.9	1.382	2.292	14.0	20.2
9 18	20 49.32	− 6 47.1	1.449	2.285	17.6	20.4

321343 2009 JF_{16} 8 9.2 8°.09 5°.2/12.4 17

7 10	21 35.45	− 3 24.6	1.051	1.953	18.8	20.0
7 20	21 31.58	− 3 31.3	1.000	1.954	14.4	19.8
7 30	21 25.18	− 4 4.8	0.966	1.956	9.5	19.5
8 9	21 17.33	− 5 1.9	0.953	1.958	5.6	19.3
8 19	21 9.36	− 6 15.4	0.963	1.962	6.5	19.4
8 29	21 2.78	− 7 35.6	0.994	1.968	11.0	19.6
9 8	20 58.74	− 8 52.4	1.045	1.974	15.6	19.9
9 18	20 57.87	− 9 58.4	1.115	1.981	19.7	20.2

126087 2001 YA_{95} 8 9.2 102°.39 1°.2/ 8.4 18

7 10	21 41.13	−16 50.8	1.748	2.652	12.4	19.5
7 20	21 34.74	−17 31.3	1.700	2.665	8.6	19.3
7 30	21 26.53	−18 17.1	1.676	2.678	4.4	19.0
8 9	21 17.36	−19 2.4	1.678	2.691	1.2	18.8
8 19	21 8.26	−19 42.3	1.708	2.704	4.8	19.1
8 29	21 0.27	−20 12.6	1.764	2.716	8.8	19.4
9 8	20 54.22	−20 31.4	1.844	2.729	12.3	19.6
9 18	20 50.59	−20 38.3	1.945	2.740	15.3	19.9

240926 2006 FW_{8} 8 9.3 80°.20 6°.7/ 4.0 17

7 10	21 42.24	−31 2.7	1.719	2.628	12.3	19.8
7 20	21 35.69	−32 29.1	1.687	2.644	9.2	19.7
7 30	21 27.07	−33 46.9	1.679	2.660	7.1	19.6
8 9	21 17.37	−34 47.9	1.697	2.676	7.1	19.6
8 19	21 7.79	−35 26.6	1.740	2.692	9.1	19.8
8 29	20 59.53	−35 41.1	1.807	2.707	11.9	20.0
9 8	20 53.51	−35 33.0	1.896	2.723	14.5	20.2
9 18	20 50.20	−35 6.0	2.002	2.738	16.8	20.4

233434 2006 HZ_{55} 8 9.3 207°.72 5°.5/ 4.2 18

7 10	21 42.11	−30 22.0	2.237	3.137	10.2	20.8
7 20	21 35.45	−31 37.2	2.178	3.132	7.7	20.6
7 30	21 26.95	−32 47.3	2.144	3.125	5.8	20.5
8 9	21 17.38	−33 45.9	2.138	3.118	5.7	20.5
8 19	21 7.67	−34 27.7	2.159	3.111	7.6	20.6
8 29	20 58.82	−34 50.0	2.207	3.103	10.2	20.7
9 8	20 51.71	−34 53.1	2.277	3.094	12.7	20.9
9 18	20 46.91	−34 38.8	2.367	3.085	14.9	21.0

306227 2011 QQ_{58} 8 9.3 270°.99 0°.7/ 9.8 18

7 10	21 38.65	−12 27.8	1.934	2.828	11.9	21.1
7 20	21 33.04	−12 46.7	1.861	2.820	8.4	20.9
7 30	21 25.71	−13 14.2	1.813	2.812	4.6	20.6
8 9	21 17.36	−13 47.0	1.791	2.804	0.8	20.3
8 19	21 8.86	−14 20.9	1.796	2.796	4.0	20.6
8 29	21 1.18	−14 51.9	1.828	2.788	8.0	20.8
9 8	20 55.13	−15 16.8	1.885	2.780	11.6	21.0
9 18	20 51.29	−15 33.6	1.963	2.772	14.7	21.2

59494 1999 JN_{5} 8 9.3 0°.92 15°.3/27.2 17

7 10	21 39.67	−44 56.2	1.163	2.069	17.1	17.9
7 20	21 35.29	−47 24.3	1.139	2.066	15.6	17.8
7 30	21 27.38	−49 25.1	1.135	2.065	15.3	17.8
8 9	21 17.41	−50 44.6	1.150	2.065	16.3	17.9
8 19	21 7.39	−51 15.7	1.183	2.066	18.2	18.0
8 29	20 59.48	−50 59.1	1.232	2.068	20.4	18.1
9 8	20 55.14	−50 1.8	1.296	2.072	22.6	18.3
9 18	20 54.93	−48 32.9	1.371	2.077	24.5	18.5

325084 2008 DX_{30} 8 9.3 119°.11 0°.7/ 8.8 17

7 10	21 41.65	−14 44.2	1.574	2.477	13.6	21.5
7 20	21 35.29	−15 33.4	1.523	2.488	9.4	21.3
7 30	21 26.90	−16 31.0	1.496	2.498	4.8	21.1
8 9	21 17.41	−17 30.8	1.494	2.508	0.7	20.8
8 19	21 7.92	−18 26.3	1.519	2.517	4.9	21.1
8 29	20 59.63	−19 12.0	1.571	2.527	9.4	21.4
9 8	20 53.44	−19 45.0	1.645	2.535	13.3	21.7
9 18	20 49.91	−20 4.2	1.740	2.544	16.5	21.9

512459 2016 QQ_{45} 8 9.3 338°.79 0°.9/ 8.7 18

7 10	21 36.06	−15 5.1	1.293	2.213	14.7	20.8
7 20	21 31.89	−15 51.8	1.229	2.202	10.3	20.5
7 30	21 25.35	−16 50.1	1.186	2.191	5.3	20.2
8 9	21 17.37	−17 53.1	1.167	2.181	0.9	19.9
8 19	21 9.15	−18 53.1	1.172	2.171	5.7	20.2
8 29	21 2.07	−19 42.7	1.200	2.163	10.8	20.5
9 8	20 57.27	−20 17.4	1.250	2.156	15.4	20.7
9 18	20 55.44	−20 35.3	1.317	2.150	19.2	20.9

304334 2006 ST_{231} 8 9.3 346°.33 0°.9/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 38.32	−12 28.6	1.730	2.629	12.8	20.5
7 20	21 32.92	−12 40.1	1.665	2.626	9.1	20.3
7 30	21 25.67	−13 0.8	1.623	2.623	4.9	20.1
8 9	21 17.38	−13 27.0	1.607	2.621	0.9	19.8
8 19	21 8.99	−13 54.8	1.618	2.618	4.2	20.0
8 29	21 1.54	−14 20.0	1.654	2.616	8.4	20.3
9 8	20 55.91	−14 39.4	1.714	2.615	12.2	20.5
9 18	20 52.64	−14 50.8	1.795	2.614	15.5	20.7

109142 2001 QP_{56} 8 9.3 291°.24 1°.6/ 8.3 18

7 10	21 40.87	−17 48.6	1.504	2.416	13.6	19.5
7 20	21 35.14	−18 22.3	1.429	2.397	9.5	19.2
7 30	21 27.03	−19 2.6	1.375	2.378	5.0	18.9
8 9	21 17.42	−19 43.5	1.347	2.360	1.7	18.6
8 19	21 7.46	−20 18.9	1.344	2.341	5.7	18.8
8 29	20 58.51	−20 43.5	1.367	2.322	10.6	19.1
9 8	20 51.75	−20 54.7	1.411	2.303	14.9	19.3
9 18	20 47.91	−20 51.9	1.475	2.285	18.6	19.5

429505 2011 BM_{12} 8 9.3 68°.48 2°.9/10.9 17

7 10	21 41.69	− 7 57.8	1.450	2.340	15.3	20.5
7 20	21 35.29	− 7 57.6	1.405	2.357	11.2	20.3
7 30	21 26.87	− 8 12.2	1.381	2.374	6.7	20.1
8 9	21 17.41	− 8 38.2	1.382	2.391	3.1	19.9
8 19	21 8.08	− 9 10.9	1.409	2.408	4.9	20.1
8 29	21 0.05	− 9 45.4	1.461	2.425	9.1	20.4
9 8	20 54.21	−10 16.7	1.536	2.443	13.0	20.6
9 18	20 51.06	−10 41.7	1.631	2.460	16.3	20.9

511024 2013 QW_{41} 8 9.3 277°.48 2°.9/11.1 17

7 10	21 39.25	− 6 51.3	1.497	2.386	15.0	21.8
7 20	21 33.95	− 7 13.1	1.418	2.370	11.1	21.5
7 30	21 26.40	− 7 53.0	1.362	2.354	6.8	21.2
8 9	21 17.40	− 8 47.6	1.329	2.338	3.1	21.0
8 19	21 8.05	− 9 51.5	1.322	2.322	5.0	21.1
8 29	20 59.61	−10 57.7	1.340	2.306	9.6	21.3
9 8	20 53.19	−11 59.5	1.381	2.289	14.1	21.5
9 18	20 49.55	−12 51.8	1.442	2.273	17.9	21.7

72256 2001 AQ_{32} 8 9.3 113°.27 4°.4/ 6.4 18

7 10	21 43.77	−23 43.3	1.523	2.436	13.3	19.1
7 20	21 36.88	−24 52.8	1.481	2.449	9.4	18.9
7 30	21 27.75	−26 1.2	1.463	2.461	5.6	18.7
8 9	21 17.43	−27 0.1	1.470	2.473	4.5	18.7
8 19	21 7.21	−27 42.9	1.503	2.484	7.4	18.9
8 29	20 58.37	−28 6.1	1.561	2.495	11.2	19.1
9 8	20 51.90	−28 9.7	1.641	2.506	14.7	19.4
9 18	20 48.33	−27 56.0	1.740	2.516	17.6	19.6

193402 2000 WK_{25} 8 9.3 226°.48 1°.4/10.4 18

7 10	21 39.81	− 9 56.2	2.165	3.045	11.4	21.5
7 20	21 33.75	−10 16.6	2.084	3.034	8.2	21.3
7 30	21 26.07	−10 46.9	2.028	3.023	4.7	21.0
8 9	21 17.40	−11 24.2	2.000	3.011	1.5	20.8
8 19	21 8.54	−12 4.7	2.000	2.999	3.7	20.9
8 29	21 0.38	−12 44.6	2.027	2.986	7.4	21.1
9 8	20 53.69	−13 20.1	2.081	2.973	10.8	21.3
9 18	20 49.04	−13 48.8	2.157	2.959	13.8	21.5

433062 2012 TP_{21} 8 9.3 21°.86 8°.6/15.7 18

7 10	21 35.26	+ 5 30.7	1.335	2.187	18.7	20.1
7 20	21 31.06	+ 5 42.1	1.282	2.194	15.4	19.9
7 30	21 24.79	+ 5 22.9	1.247	2.202	11.9	19.7
8 9	21 17.37	+ 4 33.7	1.232	2.211	9.2	19.6
8 19	21 9.89	+ 3 18.8	1.241	2.221	8.7	19.6
8 29	21 3.55	+ 1 46.6	1.272	2.232	10.8	19.7
9 8	20 59.29	+ 0 7.4	1.326	2.243	13.9	20.0
9 18	20 57.68	− 1 29.4	1.400	2.255	17.1	20.2

503904 2002 AO_{193} 8 9.3 129°.70 5°.3/12.1 17

7 10	21 48.14	− 2 30.0	1.798	2.647	14.7	21.1
7 20	21 39.51	− 1 44.9	1.743	2.665	11.4	20.9
7 30	21 28.99	− 1 15.2	1.711	2.682	7.9	20.8
8 9	21 17.48	− 1 0.8	1.705	2.698	5.5	20.7
8 19	21 6.07	− 1 0.2	1.728	2.713	6.1	20.7
8 29	20 55.83	− 1 10.4	1.778	2.727	9.0	20.9
9 8	20 47.64	− 1 27.1	1.854	2.741	12.2	21.2
9 18	20 42.01	− 1 46.1	1.951	2.754	15.0	21.4

418300 2008 FT_{38} 8 9.3 176°.86 0°.1/ 9.3 17

7 10	21 41.53	−12 57.1	2.020	2.909	11.7	22.5
7 20	21 34.97	−13 40.1	1.955	2.912	8.2	22.2
7 30	21 26.69	−14 31.6	1.914	2.914	4.3	22.0
8 9	21 17.43	−15 27.0	1.902	2.915	0.2	21.7
8 19	21 8.07	−16 21.2	1.917	2.916	4.0	22.0
8 29	20 59.58	−17 9.6	1.961	2.916	7.9	22.2
9 8	20 52.76	−17 49.0	2.030	2.915	11.4	22.5
9 18	20 48.14	−18 17.6	2.121	2.913	14.3	22.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
414431 2009 DP_{71}			8 9.3 160°.00	2°.5/ 7.8 17		
	h m	° ′			°	m
7 10	21 45.55	−20 30.7	1.570	2.476	13.4	21.3
7 20	21 38.10	−21 5.4	1.515	2.481	9.3	21.1
7 30	21 28.40	−21 42.0	1.484	2.486	5.0	20.9
8 9	21 17.47	−22 14.0	1.479	2.490	2.6	20.7
8 19	21 6.56	−22 36.2	1.501	2.493	6.0	20.9
8 29	20 56.97	−22 45.2	1.549	2.496	10.3	21.2
9 8	20 49.70	−22 40.5	1.620	2.498	14.1	21.4
9 18	20 45.34	−22 23.2	1.710	2.500	17.3	21.7
385021 2012 TQ_{282}			8 9.3 142°.08	1°.2/ 8.6 18		
7 10	21 44.25	−19 1.8	1.752	2.654	12.5	20.5
7 20	21 37.00	−19 0.3	1.691	2.655	8.7	20.3
7 30	21 27.77	−19 0.6	1.654	2.656	4.5	20.0
8 9	21 17.46	−18 58.7	1.644	2.657	1.2	19.8
8 19	21 7.17	−18 51.8	1.661	2.658	4.8	20.0
8 29	20 58.04	−18 37.8	1.705	2.659	9.0	20.3
9 8	20 50.97	−18 16.1	1.774	2.660	12.7	20.5
9 18	20 46.49	−17 47.4	1.862	2.660	15.8	20.7
282317 2002 TT_{138}			8 9.3 332°.71	5°.1/11.7 18		
7 10	21 36.72	− 5 29.8	1.340	2.234	16.1	18.4
7 20	21 32.37	− 4 52.0	1.260	2.210	12.4	18.1
7 30	21 25.66	− 4 30.2	1.201	2.188	8.4	17.8
8 9	21 17.41	− 4 24.8	1.164	2.167	5.3	17.5
8 19	21 8.75	− 4 34.2	1.150	2.146	6.5	17.6
8 29	21 1.04	− 4 54.3	1.159	2.127	10.5	17.7
9 8	20 55.46	− 5 19.7	1.190	2.110	14.9	17.9
9 18	20 52.82	− 5 44.9	1.239	2.093	18.9	18.1
332506 2008 GV_{16}			8 9.3 154°.99	0°.3/ 9.5 17		
7 10	21 41.56	−12 52.1	1.763	2.658	12.8	22.0
7 20	21 35.12	−13 27.7	1.704	2.664	9.0	21.8
7 30	21 26.81	−14 12.5	1.669	2.669	4.7	21.6
8 9	21 17.44	−15 1.8	1.661	2.674	0.3	21.2
8 19	21 8.04	−15 50.1	1.680	2.679	4.3	21.5
8 29	20 59.65	−16 32.6	1.725	2.683	8.5	21.8
9 8	20 53.15	−17 6.1	1.796	2.687	12.3	22.1
9 18	20 49.09	−17 28.6	1.887	2.690	15.4	22.3
246551 2008 SK_{72}			8 9.3 252°.22	7°.9/15.5 18		
7 10	21 37.59	+ 6 41.6	1.849	2.668	15.6	20.5
7 20	21 32.39	+ 6 58.2	1.774	2.663	13.0	20.3
7 30	21 25.44	+ 6 51.1	1.719	2.658	10.3	20.2
8 9	21 17.42	+ 6 19.8	1.687	2.653	8.3	20.0
8 19	21 9.21	+ 5 26.3	1.680	2.648	8.0	20.0
8 29	21 1.77	+ 4 15.6	1.698	2.643	9.6	20.1
9 8	20 55.97	+ 2 54.8	1.740	2.638	12.3	20.2
9 18	20 52.38	+ 1 31.2	1.804	2.632	15.0	20.4
361529 2007 GT_{51}			8 9.3 270°.89	7°.9/17.9 18		
7 10	21 34.48	+12 36.6	2.465	3.231	13.6	20.8
7 20	21 29.92	+12 38.4	2.381	3.224	11.7	20.6
7 30	21 24.04	+12 18.0	2.317	3.217	9.9	20.5
8 9	21 17.39	+11 34.8	2.276	3.210	8.4	20.4
8 19	21 10.59	+10 30.5	2.261	3.203	7.9	20.4
8 29	21 4.35	+ 9 8.9	2.271	3.196	8.6	20.4
9 8	20 59.31	+ 7 35.8	2.307	3.189	10.3	20.5
9 18	20 55.93	+ 5 57.7	2.367	3.182	12.3	20.6
505944 2015 FH_{77}			8 9.3 168°.40	8°.0/ 2.8 17		
7 10	21 45.64	−37 5.9	1.973	2.865	11.8	21.6
7 20	21 38.11	−38 23.1	1.930	2.868	9.5	21.4
7 30	21 28.40	−39 28.0	1.912	2.871	8.2	21.4
8 9	21 17.50	−40 13.1	1.919	2.874	8.4	21.4
8 19	21 6.61	−40 33.5	1.952	2.876	10.0	21.5
8 29	20 56.99	−40 28.2	2.009	2.877	12.3	21.6
9 8	20 49.63	−39 59.9	2.086	2.878	14.6	21.8
9 18	20 45.08	−39 12.9	2.182	2.879	16.6	22.0
106066 2000 SZ_{324}			8 9.3 137°.34	1°.1/ 8.3 18		
7 10	21 38.39	−17 38.1	2.303	3.202	10.0	20.6
7 20	21 32.61	−18 12.0	2.244	3.208	6.9	20.4
7 30	21 25.40	−18 49.3	2.211	3.213	3.6	20.2
8 9	21 17.42	−19 26.2	2.206	3.218	1.1	20.0
8 19	21 9.43	−19 58.8	2.229	3.223	4.0	20.2
8 29	21 2.21	−20 24.1	2.279	3.228	7.3	20.5
9 8	20 56.43	−20 40.4	2.355	3.233	10.3	20.7
9 18	20 52.55	−20 47.0	2.453	3.237	12.8	20.9
457753 2009 HU_{69}			8 9.3 51°.33	0°.2/ 9.1 17		
7 10	21 40.88	−13 54.4	1.214	2.129	15.9	20.7
7 20	21 35.11	−14 32.0	1.170	2.139	11.1	20.5
7 30	21 26.93	−15 20.8	1.147	2.150	5.7	20.2
8 9	21 17.46	−16 13.9	1.148	2.161	0.2	19.8
8 19	21 8.07	−17 3.8	1.173	2.173	5.5	20.3
8 29	21 0.17	−17 44.3	1.221	2.185	10.6	20.6
9 8	20 54.81	−18 11.8	1.292	2.197	15.1	20.9
9 18	20 52.52	−18 24.9	1.380	2.210	18.7	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
442581 2012 BU_{93}			8 9.3 295°.21	0°.0/ 9.3 18		
	h m	° ′			°	m
7 10	21 40.33	−15 49.9	2.068	2.964	11.1	20.7
7 20	21 34.18	−15 47.1	1.989	2.950	7.8	20.5
7 30	21 26.33	−15 48.5	1.935	2.935	4.1	20.2
8 9	21 17.46	−15 51.3	1.907	2.921	0.1	19.9
8 19	21 8.43	−15 52.8	1.908	2.907	3.9	20.2
8 29	21 0.19	−15 50.6	1.936	2.893	7.8	20.4
9 8	20 53.57	−15 43.2	1.989	2.879	11.3	20.6
9 18	20 49.10	−15 29.7	2.064	2.866	14.3	20.8
51309 2000 KN_{62}			8 9.3 76°.99	3°.4/12.8 18		
7 10	21 34.35	− 2 1.0	2.526	3.378	10.9	19.1
7 20	21 29.72	− 2 23.3	2.455	3.381	8.3	19.0
7 30	21 23.89	− 2 59.3	2.408	3.383	5.7	18.8
8 9	21 17.39	− 3 46.9	2.388	3.386	3.6	18.7
8 19	21 10.82	− 4 42.9	2.396	3.389	3.9	18.7
8 29	21 4.83	− 5 43.4	2.432	3.391	6.3	18.9
9 8	21 0.01	− 6 44.1	2.494	3.394	8.9	19.0
9 18	20 56.76	− 7 41.1	2.580	3.397	11.3	19.2
48027 2001 DG_{29}			8 9.3 72°.36	3°.5/ 7.5 18		
7 10	21 44.99	−22 45.5	1.380	2.294	14.3	18.9
7 20	21 37.87	−23 13.5	1.332	2.301	10.0	18.7
7 30	21 28.33	−23 40.6	1.307	2.308	5.6	18.5
8 9	21 17.51	−24 0.1	1.307	2.315	3.6	18.3
8 19	21 6.82	−24 6.9	1.332	2.322	6.8	18.6
8 29	20 57.66	−23 58.6	1.381	2.329	11.2	18.8
9 8	20 51.09	−23 35.6	1.453	2.336	15.1	19.1
9 18	20 47.63	−23 0.3	1.543	2.343	18.4	19.3
386457 2008 XO_{14}			8 9.3 288°.58	1°.2/10.0 18		
7 10	21 39.45	−11 32.5	1.703	2.599	13.1	21.0
7 20	21 33.82	−11 45.3	1.630	2.589	9.4	20.8
7 30	21 26.23	−12 8.5	1.581	2.579	5.2	20.5
8 9	21 17.46	−12 38.7	1.557	2.570	1.3	20.2
8 19	21 8.50	−13 11.6	1.559	2.560	4.3	20.4
8 29	21 0.44	−13 42.7	1.588	2.550	8.7	20.6
9 8	20 54.24	−14 8.1	1.640	2.541	12.7	20.8
9 18	20 50.50	−14 25.5	1.713	2.531	16.1	21.1
505850 2015 CS_{50}			8 9.3 237°.17	0°.0/ 9.3 17		
7 10	21 41.09	−13 20.1	1.729	2.626	12.9	22.0
7 20	21 35.01	−14 0.5	1.653	2.615	9.1	21.8
7 30	21 26.88	−14 51.3	1.602	2.603	4.8	21.5
8 9	21 17.48	−15 47.2	1.577	2.591	0.1	21.1
8 19	21 7.82	−16 42.5	1.579	2.578	4.6	21.4
8 29	20 59.04	−17 31.6	1.608	2.565	9.1	21.7
9 8	20 52.15	−18 10.5	1.661	2.551	13.1	21.9
9 18	20 47.81	−18 37.0	1.734	2.537	16.5	22.1
482369 2011 YO_{20}			8 9.3 171°.57	1°.7/ 7.5 18		
7 10	21 36.61	−18 43.2	2.553	3.453	9.1	21.2
7 20	21 31.34	−19 45.2	2.491	3.455	6.3	21.1
7 30	21 24.76	−20 50.5	2.455	3.457	3.3	20.9
8 9	21 17.42	−21 54.6	2.448	3.458	1.8	20.8
8 19	21 10.00	−22 53.0	2.470	3.459	4.2	20.9
8 29	21 3.22	−23 42.1	2.520	3.460	7.2	21.1
9 8	20 57.70	−24 19.7	2.595	3.460	9.9	21.3
9 18	20 53.90	−24 45.1	2.693	3.461	12.2	21.5
402798 2007 DJ_{61}			8 9.3 134°.36	4°.8/ 4.1 18		
7 10	21 38.87	−30 20.7	2.615	3.515	8.9	21.1
7 20	21 32.93	−31 33.5	2.571	3.525	6.7	21.0
7 30	21 25.58	−32 41.2	2.554	3.534	5.0	20.9
8 9	21 17.45	−33 38.5	2.564	3.543	5.0	20.9
8 19	21 9.29	−34 21.4	2.602	3.551	6.6	21.0
8 29	21 1.89	−34 47.9	2.666	3.560	8.8	21.2
9 8	20 55.92	−34 57.9	2.754	3.568	10.9	21.3
9 18	20 51.84	−34 52.9	2.863	3.575	12.7	21.5
155894 2001 FZ_{106}			8 9.3 106°.12	2°.3/ 7.2 18		
7 10	21 38.36	−21 52.4	2.422	3.324	9.5	20.4
7 20	21 32.53	−22 30.0	2.370	3.334	6.6	20.2
7 30	21 25.34	−23 7.9	2.344	3.344	3.6	20.0
8 9	21 17.44	−23 41.7	2.346	3.354	2.4	19.9
8 19	21 9.57	−24 8.2	2.377	3.363	4.6	20.1
8 29	21 2.48	−24 24.8	2.434	3.372	7.5	20.3
9 8	20 56.82	−24 30.7	2.517	3.382	10.2	20.5
9 18	20 53.00	−24 26.0	2.622	3.391	12.5	20.7
182032 2000 BN_{13}			8 9.3 77°.47	0°.1/ 9.3 17		
7 10	21 44.33	−14 49.5	1.449	2.352	14.5	20.3
7 20	21 37.14	−14 57.6	1.407	2.371	10.1	20.1
7 30	21 27.84	−15 13.0	1.388	2.389	5.3	19.8
8 9	21 17.51	−15 30.9	1.394	2.407	0.2	19.5
8 19	21 7.40	−15 47.1	1.426	2.426	4.8	19.9
8 29	20 58.72	−15 57.9	1.483	2.444	9.4	20.2
9 8	20 52.39	−16 1.2	1.564	2.462	13.4	20.5
9 18	20 48.87	−15 56.4	1.665	2.479	16.7	20.8

260 Huberta 8 9.3 338°.15 1°.4/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 34.52	− 9 16.6	2.237	3.123	10.8	13.9
7 20	21 30.01	− 9 45.5	2.165	3.118	7.8	13.7
7 30	21 24.11	−10 24.8	2.117	3.113	4.5	13.5
8 9	21 17.42	−11 11.4	2.096	3.108	1.5	13.2
8 19	21 10.61	−12 1.5	2.103	3.103	3.4	13.4
8 29	21 4.46	−12 50.9	2.137	3.099	6.8	13.6
9 8	20 59.62	−13 35.7	2.196	3.095	10.0	13.8
9 18	20 56.57	−14 13.2	2.278	3.092	12.8	14.0

263498 2008 EY_{106} 8 9.3 8°.85 2°.6/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 36.46	−19 54.3	1.722	2.638	11.9	19.9
7 20	21 31.69	−20 55.0	1.669	2.639	8.2	19.7
7 30	21 25.08	−21 59.3	1.639	2.641	4.5	19.5
8 9	21 17.44	−23 0.8	1.635	2.644	2.7	19.4
8 19	21 9.75	−23 53.2	1.657	2.647	5.8	19.6
8 29	21 3.03	−24 32.1	1.704	2.650	9.5	19.8
9 8	20 58.15	−24 55.3	1.774	2.654	13.0	20.0
9 18	20 55.64	−25 2.7	1.865	2.659	15.9	20.2

387916 2004 YU_{17} 8 9.3 219°.32 1°.3/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.17	−16 49.2	2.046	2.946	11.0	21.8
7 20	21 33.41	−17 41.5	1.976	2.940	7.7	21.6
7 30	21 25.94	−18 39.7	1.932	2.934	3.9	21.3
8 9	21 17.47	−19 38.7	1.915	2.927	1.3	21.1
8 19	21 8.84	−20 33.1	1.926	2.920	4.6	21.3
8 29	21 1.00	−21 18.5	1.964	2.913	8.3	21.6
9 8	20 54.75	−21 52.1	2.027	2.905	11.7	21.8
9 18	20 50.67	−22 12.8	2.112	2.897	14.6	22.0

347963 2003 RB_{8} 8 9.3 331°.52 7°.6/11.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.69	− 4 7.9	1.226	2.116	17.5	19.1
7 20	21 34.75	− 2 37.7	1.142	2.086	13.9	18.8
7 30	21 27.07	− 1 20.5	1.078	2.058	10.2	18.5
8 9	21 17.51	− 0 19.9	1.035	2.030	7.7	18.3
8 19	21 7.31	+ 0 21.7	1.016	2.004	8.7	18.2
8 29	20 58.06	+ 0 44.5	1.019	1.980	12.5	18.4
9 8	20 51.19	+ 0 52.4	1.041	1.957	16.9	18.5
9 18	20 47.65	+ 0 50.8	1.081	1.936	21.1	18.7

158437 2002 CC_{61} 8 9.3 48°.92 6°.3/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.02	−28 9.8	1.409	2.328	13.8	18.9
7 20	21 35.78	−29 21.3	1.377	2.343	10.0	18.7
7 30	21 27.23	−30 26.0	1.367	2.358	7.0	18.6
8 9	21 17.51	−31 15.3	1.381	2.374	6.5	18.6
8 19	21 7.98	−31 43.1	1.420	2.390	9.0	18.8
8 29	21 0.00	−31 47.4	1.482	2.407	12.4	19.0
9 8	20 54.53	−31 29.9	1.565	2.423	15.6	19.2
9 18	20 52.05	−30 54.4	1.666	2.440	18.3	19.5

32201 2000 OZ_{2} 8 9.3 331°.96 1°.6/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.03	−18 10.9	1.788	2.697	11.9	18.8
7 20	21 32.76	−18 47.0	1.723	2.691	8.2	18.6
7 30	21 25.65	−19 27.9	1.683	2.685	4.3	18.4
8 9	21 17.47	−20 8.3	1.668	2.680	1.6	18.2
8 19	21 9.17	−20 43.2	1.679	2.674	5.0	18.4
8 29	21 1.80	−21 8.6	1.717	2.670	9.0	18.6
9 8	20 56.23	−21 22.3	1.778	2.665	12.6	18.8
9 18	20 53.01	−21 23.7	1.859	2.661	15.7	19.0

436308 2010 EB_{89} 8 9.3 158°.45 0°.3/ 9.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.86	−14 25.1	2.029	2.923	11.4	22.1
7 20	21 33.79	−15 5.0	1.968	2.928	7.9	21.9
7 30	21 26.10	−15 52.0	1.932	2.933	4.1	21.6
8 9	21 17.49	−16 41.4	1.923	2.937	0.3	21.3
8 19	21 8.83	−17 28.4	1.943	2.941	4.0	21.7
8 29	21 1.03	−18 9.1	1.990	2.944	7.8	21.9
9 8	20 54.86	−18 40.4	2.062	2.947	11.2	22.1
9 18	20 50.83	−19 1.1	2.155	2.949	14.0	22.3

254365 2004 TW_{91} 8 9.3 229°.11 3°.6/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.55	−26 18.2	2.405	3.308	9.5	20.9
7 20	21 33.48	−26 54.9	2.343	3.304	6.8	20.8
7 30	21 25.90	−27 28.8	2.307	3.301	4.3	20.6
8 9	21 17.49	−27 55.5	2.299	3.297	3.7	20.5
8 19	21 9.04	−28 11.5	2.318	3.293	5.6	20.7
8 29	21 1.38	−28 14.9	2.364	3.289	8.3	20.8
9 8	20 55.23	−28 5.4	2.435	3.285	11.0	21.0
9 18	20 51.06	−27 44.0	2.527	3.281	13.2	21.2

186509 2002 VG_{2} 8 9.3 315°.60 5°.7/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 41.15	−25 47.9	1.321	2.244	14.2	19.8
7 20	21 35.62	−26 54.7	1.262	2.233	10.3	19.5
7 30	21 27.39	−28 0.2	1.225	2.221	6.7	19.3
8 9	21 17.54	−28 54.9	1.211	2.210	5.9	19.2
8 19	21 7.46	−29 30.5	1.221	2.200	9.0	19.4
8 29	20 58.73	−29 42.5	1.254	2.190	13.2	19.6
9 8	20 52.60	−29 31.0	1.307	2.180	17.1	19.8
9 18	20 49.79	−28 59.0	1.377	2.171	20.5	20.0

166516 2002 QF_{62} 8 9.3 257°.13 1°.2/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 38.39	−10 26.6	2.088	2.973	11.5	21.0
7 20	21 32.88	−10 53.2	2.005	2.958	8.3	20.7
7 30	21 25.70	−11 30.3	1.947	2.943	4.6	20.5
8 9	21 17.49	−12 14.4	1.915	2.928	1.3	20.2
8 19	21 9.06	−13 1.6	1.911	2.912	3.8	20.4
8 29	21 1.30	−13 47.4	1.935	2.895	7.6	20.6
9 8	20 55.03	−14 27.9	1.985	2.879	11.1	20.8
9 18	20 50.82	−15 0.3	2.056	2.862	14.2	21.0

131034 2000 XZ_{52} 8 9.3 221°.95 6°.7/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 44.45	−32 57.1	1.908	2.808	11.7	19.9
7 20	21 37.31	−33 55.3	1.853	2.804	9.0	19.7
7 30	21 28.03	−34 44.8	1.822	2.799	7.0	19.6
8 9	21 17.56	−35 18.4	1.817	2.794	6.9	19.5
8 19	21 7.04	−35 31.4	1.838	2.788	8.8	19.6
8 29	20 57.70	−35 22.0	1.884	2.783	11.6	19.8
9 8	20 50.52	−34 52.2	1.952	2.777	14.3	20.0
9 18	20 46.07	−34 5.3	2.039	2.771	16.7	20.2

349301 2007 TX_{451} 8 9.3 271°.05 2°.0/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.48	−19 15.4	1.964	2.869	11.2	21.3
7 20	21 33.79	−20 1.8	1.886	2.851	7.8	21.1
7 30	21 26.23	−20 52.6	1.832	2.834	4.2	20.9
8 9	21 17.51	−21 42.3	1.805	2.816	2.1	20.7
8 19	21 8.55	−22 25.7	1.806	2.798	5.2	20.8
8 29	21 0.35	−22 58.4	1.834	2.779	9.0	21.0
9 8	20 53.84	−23 18.2	1.885	2.761	12.5	21.2
9 18	20 49.63	−23 24.5	1.957	2.742	15.6	21.4

395187 2010 FA_{98} 8 9.3 212°.95 2°.1/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.83	−19 59.3	2.037	2.940	11.0	21.7
7 20	21 34.58	−20 41.5	1.970	2.935	7.6	21.5
7 30	21 26.56	−21 26.4	1.929	2.930	4.1	21.2
8 9	21 17.53	−22 8.7	1.914	2.924	2.2	21.1
8 19	21 8.37	−22 43.9	1.927	2.918	5.0	21.3
8 29	21 0.08	−23 8.4	1.968	2.911	8.6	21.5
9 8	20 53.47	−23 20.5	2.033	2.904	11.9	21.7
9 18	20 49.12	−23 20.3	2.118	2.897	14.7	21.9

128487 2004 PN_{11} 8 9.3 32°.77 1°.2/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.86	−11 44.1	1.373	2.278	15.0	19.6
7 20	21 34.26	−11 56.9	1.321	2.285	10.7	19.4
7 30	21 26.48	−12 21.7	1.292	2.292	5.8	19.1
8 9	21 17.52	−12 54.0	1.286	2.299	1.3	18.8
8 19	21 8.57	−13 28.4	1.306	2.307	4.8	19.1
8 29	21 0.90	−13 59.6	1.350	2.315	9.6	19.4
9 8	20 55.47	−14 23.7	1.416	2.324	13.8	19.7
9 18	20 52.83	−14 38.3	1.502	2.333	17.3	19.9

218783 2005 XR_{82} 8 9.3 61°.61 1°.3/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.40	−11 7.4	2.093	2.981	11.4	19.8
7 20	21 32.66	−11 12.4	2.038	2.992	8.1	19.6
7 30	21 25.46	−11 25.6	2.007	3.003	4.5	19.4
8 9	21 17.50	−11 44.3	2.002	3.015	1.4	19.2
8 19	21 9.56	−12 5.4	2.026	3.026	3.6	19.4
8 29	21 2.49	−12 25.7	2.077	3.038	7.1	19.6
9 8	20 56.94	−12 42.6	2.153	3.049	10.3	19.8
9 18	20 53.37	−12 54.1	2.251	3.061	13.0	20.1

313930 2004 RF_{85} 8 9.3 235°.99 3°.6/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.54	−26 24.4	2.444	3.347	9.4	20.9
7 20	21 33.48	−27 2.3	2.380	3.341	6.7	20.7
7 30	21 25.91	−27 37.5	2.342	3.335	4.3	20.5
8 9	21 17.51	−28 5.5	2.331	3.329	3.7	20.5
8 19	21 9.05	−28 23.0	2.348	3.323	5.6	20.6
8 29	21 1.36	−28 27.7	2.393	3.316	8.3	20.8
9 8	20 55.14	−28 19.5	2.461	3.310	10.9	20.9
9 18	20 50.88	−27 59.2	2.551	3.303	13.2	21.1

42783 1998 VV_{53} 8 9.3 315°.50 9°.5/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.04	+13 38.2	2.309	3.068	14.6	17.6
7 20	21 31.81	+14 32.9	2.231	3.062	12.8	17.4
7 30	21 25.11	+15 6.0	2.174	3.057	11.1	17.3
8 9	21 17.50	+15 15.5	2.139	3.052	9.9	17.2
8 19	21 9.70	+15 1.0	2.128	3.047	9.5	17.2
8 29	21 2.51	+14 25.0	2.141	3.043	10.2	17.2
9 8	20 56.66	+13 32.2	2.177	3.038	11.7	17.3
9 18	20 52.66	+12 28.7	2.235	3.034	13.4	17.4

81073 2000 EP_{83} 8 9.3 278°.19 4°.0/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.83	−22 14.3	1.517	2.433	13.2	19.0
7 20	21 35.14	−23 24.2	1.452	2.421	9.3	18.7
7 30	21 27.08	−24 37.3	1.410	2.410	5.4	18.5
8 9	21 17.55	−25 45.1	1.393	2.398	4.2	18.4
8 19	21 7.76	−26 39.7	1.402	2.386	7.4	18.6
8 29	20 59.07	−27 15.8	1.435	2.375	11.5	18.8
9 8	20 52.62	−27 31.4	1.490	2.363	15.4	19.0
9 18	20 49.11	−27 27.7	1.564	2.351	18.7	19.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
397021 2005 TD_{137}			8 9.3	2°.83	0°.7/ 8.8	16
	h m	° ′			°	m
7 10	21 36.94	−15 37.5	1.709	2.617	12.4	21.0
7 20	21 32.01	−16 13.7	1.649	2.617	8.6	20.8
7 30	21 25.27	−16 57.1	1.614	2.617	4.4	20.5
8 9	21 17.50	−17 42.7	1.604	2.617	0.7	20.2
8 19	21 9.66	−18 25.1	1.620	2.618	4.6	20.5
8 29	21 2.79	−18 59.8	1.662	2.620	8.8	20.8
9 8	20 57.72	−19 23.8	1.727	2.622	12.5	21.0
9 18	20 55.00	−19 35.8	1.813	2.625	15.6	21.2
25510 Donvincent			8 9.3	340°.67	6°.8/ 5.0	18
7 10	21 39.12	−26 24.8	1.150	2.081	15.2	17.6
7 20	21 34.42	−27 50.4	1.099	2.072	11.1	17.4
7 30	21 26.85	−29 14.5	1.068	2.064	7.6	17.2
8 9	21 17.55	−30 25.2	1.060	2.057	7.1	17.1
8 19	21 8.06	−31 12.7	1.074	2.051	10.3	17.3
8 29	21 0.09	−31 31.8	1.110	2.046	14.5	17.5
9 8	20 54.96	−31 22.7	1.165	2.041	18.5	17.7
9 18	20 53.35	−30 49.4	1.235	2.038	22.0	18.0
309119 2006 WN_{153}			8 9.3	207°.78	1°.1/ 8.2	18
7 10	21 37.95	−17 51.5	2.498	3.395	9.4	22.0
7 20	21 32.31	−18 27.9	2.429	3.391	6.5	21.8
7 30	21 25.30	−19 7.8	2.385	3.387	3.4	21.6
8 9	21 17.51	−19 47.4	2.370	3.382	1.2	21.4
8 19	21 9.63	−20 22.9	2.383	3.377	3.9	21.6
8 29	21 2.40	−20 51.4	2.425	3.372	7.0	21.8
9 8	20 56.49	−21 11.0	2.492	3.367	9.9	22.0
9 18	20 52.35	−21 21.0	2.582	3.361	12.4	22.1
339239 2004 VU_{6}			8 9.3	266°.01	6°.7/ 3.9	18
7 10	21 42.01	−30 51.9	1.778	2.686	12.0	20.5
7 20	21 35.82	−32 12.1	1.718	2.675	9.1	20.3
7 30	21 27.38	−33 26.5	1.682	2.664	7.0	20.2
8 9	21 17.57	−34 26.8	1.672	2.652	7.0	20.2
8 19	21 7.56	−35 6.4	1.687	2.641	9.2	20.3
8 29	20 58.63	−35 21.9	1.727	2.629	12.2	20.4
9 8	20 51.85	−35 14.1	1.787	2.617	15.2	20.6
9 18	20 47.86	−34 46.0	1.866	2.606	17.7	20.8
318122 2004 KH_{16}			8 9.3	76°.07	1°.7/10.9	16
7 10	21 36.80	− 7 39.2	1.999	2.880	12.1	20.3
7 20	21 31.63	− 8 24.2	1.945	2.894	8.8	20.1
7 30	21 24.96	− 9 21.9	1.915	2.909	5.1	20.0
8 9	21 17.51	−10 28.0	1.912	2.923	1.9	19.8
8 19	21 10.05	−11 37.4	1.937	2.937	3.7	19.9
8 29	21 3.44	−12 44.6	1.989	2.951	7.2	20.2
9 8	20 58.35	−13 45.0	2.067	2.966	10.5	20.4
9 18	20 55.25	−14 35.7	2.167	2.980	13.3	20.6
4212 Sansyu–Asuke			8 9.3	326°.66	8°.7/ 2.9	18
7 10	21 42.26	−37 25.4	1.750	2.651	12.6	15.3
7 20	21 36.13	−38 21.6	1.686	2.630	10.3	15.1
7 30	21 27.58	−39 5.3	1.645	2.609	8.8	15.0
8 9	21 17.58	−39 28.5	1.628	2.589	9.0	14.9
8 19	21 7.43	−39 25.9	1.635	2.570	10.8	15.0
8 29	20 58.52	−38 56.0	1.664	2.551	13.5	15.1
9 8	20 51.97	−38 1.5	1.714	2.533	16.2	15.3
9 18	20 48.43	−36 47.0	1.781	2.516	18.6	15.4
426013 2011 KQ_{28}			8 9.3	114°.67	2°.2/11.2	17
7 10	21 41.30	− 6 47.7	2.242	3.107	11.6	21.7
7 20	21 34.53	− 7 12.2	2.193	3.133	8.4	21.6
7 30	21 26.38	− 7 47.7	2.169	3.158	5.1	21.4
8 9	21 17.55	− 8 31.2	2.174	3.182	2.3	21.3
8 19	21 8.82	− 9 18.7	2.207	3.205	3.6	21.4
8 29	21 0.96	−10 6.2	2.269	3.227	6.8	21.6
9 8	20 54.61	−10 50.1	2.357	3.249	9.7	21.9
9 18	20 50.20	−11 27.8	2.469	3.269	12.3	22.1
268958 2007 DD_{98}			8 9.3	255°.49	0°.4/ 9.0	18
7 10	21 40.55	−14 18.1	1.719	2.619	12.8	21.2
7 20	21 34.70	−14 59.2	1.642	2.605	9.0	21.0
7 30	21 26.78	−15 50.0	1.589	2.590	4.7	20.7
8 9	21 17.57	−16 45.1	1.562	2.575	0.4	20.3
8 19	21 8.07	−17 38.7	1.562	2.560	4.7	20.6
8 29	20 59.43	−18 25.2	1.588	2.545	9.2	20.8
9 8	20 52.68	−19 0.8	1.638	2.529	13.3	21.1
9 18	20 48.48	−19 23.7	1.708	2.512	16.7	21.3
294321 2007 VY_{54}			8 9.3	337°.84	4°.4/12.5	18
7 10	21 36.64	− 2 47.2	1.708	2.580	14.3	20.5
7 20	21 31.84	− 2 53.9	1.638	2.575	11.0	20.3
7 30	21 25.22	− 3 19.0	1.590	2.571	7.4	20.1
8 9	21 17.54	− 4 0.5	1.567	2.567	4.7	19.9
8 19	21 9.70	− 4 54.5	1.569	2.564	5.3	20.0
8 29	21 2.71	− 5 55.2	1.596	2.561	8.5	20.1
9 8	20 57.45	− 6 56.6	1.648	2.558	12.1	20.4
9 18	20 54.48	− 7 53.3	1.721	2.555	15.3	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
477492 2010 CG_{19}			8 9.3	32°.35	19°.3/24.3	18
	h m	° ′			°	m
7 10	22 28.09	+58 44.2	0.795	1.291	52.0	21.5
7 20	22 10.94	+55 2.2	0.670	1.304	50.3	21.1
7 30	21 46.68	+48 1.5	0.547	1.319	45.7	20.5
8 9	21 18.16	+35 1.5	0.441	1.337	36.0	19.8
8 19	20 50.14	+13 54.6	0.385	1.357	22.6	19.2
8 29	20 27.59	−10 16.9	0.409	1.379	21.7	19.3
9 8	20 13.22	−28 27.3	0.505	1.402	31.7	20.1
9 18	20 7.27	−39 28.1	0.641	1.426	38.3	20.8
488287 2016 UJ_{14}			8 9.3	305°.02	2°.5/ 7.5	18
7 10	21 39.79	−20 54.1	1.800	2.710	11.8	21.1
7 20	21 34.04	−21 30.4	1.735	2.703	8.2	20.8
7 30	21 26.36	−22 8.8	1.694	2.695	4.5	20.6
8 9	21 17.57	−22 43.8	1.678	2.688	2.6	20.5
8 19	21 8.65	−23 10.5	1.690	2.680	5.6	20.6
8 29	21 0.70	−23 25.4	1.727	2.673	9.4	20.8
9 8	20 54.62	−23 27.0	1.787	2.666	13.0	21.1
9 18	20 50.98	−23 15.8	1.868	2.660	16.0	21.2
271849 2004 TX_{242}			8 9.3	272°.10	3°.3/ 5.8	18
7 10	21 36.87	−22 39.0	2.324	3.231	9.6	20.3
7 20	21 31.80	−24 2.4	2.253	3.218	6.8	20.1
7 30	21 25.16	−25 28.3	2.207	3.205	4.1	19.9
8 9	21 17.54	−26 50.3	2.190	3.191	3.5	19.9
8 19	21 9.70	−28 2.8	2.201	3.177	5.8	20.0
8 29	21 2.48	−29 1.2	2.239	3.164	8.8	20.1
9 8	20 56.66	−29 43.3	2.302	3.150	11.6	20.3
9 18	20 52.80	−30 8.8	2.385	3.136	14.0	20.5
418888 2008 YB_{126}			8 9.3	69°.41	0°.7/ 9.6	17
7 10	21 44.10	−13 29.5	1.218	2.128	16.2	20.5
7 20	21 37.37	−13 37.4	1.173	2.139	11.5	20.3
7 30	21 28.15	−13 55.8	1.149	2.150	6.1	20.0
8 9	21 17.63	−14 19.5	1.148	2.162	0.7	19.7
8 19	21 7.24	−14 43.1	1.172	2.173	5.3	20.1
8 29	20 58.42	−15 1.8	1.220	2.185	10.5	20.4
9 8	20 52.26	−15 12.4	1.290	2.197	15.0	20.7
9 18	20 49.28	−15 13.6	1.378	2.208	18.7	21.0
39163 2000 WM_{119}			8 9.3	173°.73	2°.3/ 7.2	18
7 10	21 38.73	−22 7.8	2.600	3.500	9.0	19.4
7 20	21 32.81	−22 45.2	2.539	3.502	6.3	19.2
7 30	21 25.55	−23 22.7	2.504	3.503	3.5	19.1
8 9	21 17.57	−23 56.5	2.498	3.504	2.3	19.0
8 19	21 9.54	−24 23.3	2.520	3.505	4.5	19.1
8 29	21 2.22	−24 40.5	2.570	3.506	7.3	19.3
9 8	20 56.23	−24 47.2	2.646	3.506	9.9	19.5
9 18	20 52.01	−24 43.6	2.744	3.506	12.1	19.6
121221 1999 RO_{13}			8 9.3	343°.60	0°.3/ 9.5	18
7 10	21 34.68	−13 1.9	1.503	2.415	13.6	19.1
7 20	21 30.72	−13 33.1	1.434	2.401	9.6	18.8
7 30	21 24.75	−14 15.9	1.387	2.389	5.1	18.5
8 9	21 17.55	−15 5.3	1.364	2.378	0.4	18.1
8 19	21 10.15	−15 55.6	1.366	2.368	4.7	18.5
8 29	21 3.68	−16 40.7	1.393	2.359	9.4	18.7
9 8	20 59.15	−17 16.0	1.442	2.351	13.6	18.9
9 18	20 57.18	−17 38.9	1.511	2.344	17.2	19.2
9626 Stanley			8 9.3	225°.97	1°.9/ 7.9	18 R
7 10	21 42.19	−18 48.8	1.826	2.730	12.0	18.2
7 20	21 35.74	−19 33.4	1.756	2.721	8.4	18.0
7 30	21 27.29	−20 22.4	1.710	2.712	4.4	17.7
8 9	21 17.63	−21 10.1	1.691	2.702	2.0	17.5
8 19	21 7.78	−21 50.9	1.699	2.692	5.3	17.7
8 29	20 58.85	−22 20.6	1.734	2.681	9.3	18.0
9 8	20 51.81	−22 37.1	1.793	2.670	13.0	18.2
9 18	20 47.28	−22 40.2	1.872	2.658	16.1	18.4
256510 2007 ER_{125}			8 9.3	176°.84	0°.7/ 9.9	18
7 10	21 36.07	−11 3.5	2.507	3.391	9.9	21.4
7 20	21 30.99	−11 43.6	2.438	3.392	7.0	21.2
7 30	21 24.63	−12 32.0	2.395	3.393	3.8	21.0
8 9	21 17.55	−13 25.2	2.380	3.393	0.7	20.8
8 19	21 10.39	−14 19.5	2.394	3.393	3.2	21.0
8 29	21 3.84	−15 10.9	2.436	3.394	6.4	21.2
9 8	20 58.52	−15 56.2	2.504	3.393	9.3	21.4
9 18	20 54.86	−16 33.4	2.596	3.393	11.8	21.5
17804 1998 FH_{71}			8 9.3	22°.86	5°.2/13.6	18
7 10	21 35.96	+ 0 23.1	1.900	2.753	13.9	17.5
7 20	21 31.18	+ 0 20.9	1.835	2.757	10.9	17.3
7 30	21 24.82	− 0 0.2	1.792	2.760	7.9	17.1
8 9	21 17.56	− 0 38.8	1.773	2.764	5.5	17.0
8 19	21 10.22	− 1 31.4	1.780	2.768	5.6	17.0
8 29	21 3.68	− 2 33.0	1.813	2.772	8.1	17.2
9 8	20 58.69	− 3 37.6	1.871	2.777	11.1	17.4
9 18	20 55.75	− 4 39.8	1.951	2.782	13.9	17.6

24535 Neslušan 8 9.3 280°.33 4°.4/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 38.71	−23 0.2	1.736	2.651	11.9	19.1
7 20	21 33.50	−24 40.5	1.673	2.641	8.4	18.9
7 30	21 26.20	−26 24.0	1.634	2.631	5.2	18.7
8 9	21 17.61	−28 1.8	1.622	2.621	4.7	18.6
8 19	21 8.74	−29 25.4	1.636	2.612	7.5	18.8
8 29	21 0.78	−30 28.8	1.676	2.602	11.1	19.0
9 8	20 54.74	−31 9.8	1.738	2.592	14.5	19.2
9 18	20 51.30	−31 29.0	1.820	2.582	17.4	19.4

277476 2005 WF_6 8 9.3 255°.56 2°.6/ 6.9 18

7 10	21 38.59	−22 21.9	2.423	3.326	9.5	21.5
7 20	21 32.90	−23 5.4	2.348	3.312	6.6	21.3
7 30	21 25.70	−23 49.8	2.299	3.298	3.8	21.1
8 9	21 17.59	−24 30.5	2.277	3.283	2.7	21.0
8 19	21 9.33	−25 3.6	2.284	3.268	4.9	21.1
8 29	21 1.72	−25 26.0	2.318	3.253	8.0	21.2
9 8	20 55.51	−25 36.4	2.377	3.238	10.8	21.4
9 18	20 51.20	−25 34.7	2.458	3.223	13.3	21.6

232501 2003 QM_{21} 8 9.3 298°.37 6°.3/ 5.6 18

7 10	21 45.10	−30 30.2	1.658	2.566	12.8	20.0
7 20	21 38.18	−31 8.6	1.583	2.541	9.6	19.8
7 30	21 28.72	−31 40.0	1.530	2.517	7.0	19.5
8 9	21 17.69	−31 56.6	1.503	2.493	6.5	19.5
8 19	21 6.37	−31 52.9	1.501	2.469	8.8	19.5
8 29	20 56.22	−31 26.7	1.524	2.445	12.3	19.7
9 8	20 48.44	−30 39.7	1.568	2.421	15.8	19.9
9 18	20 43.75	−29 35.8	1.631	2.398	18.9	20.0

275670 2000 QE_{70} 8 9.3 16°.35 8°.6/16.4 17

7 10	21 28.78	+ 5 14.6	0.883	1.773	22.7	18.8
7 20	21 27.06	+ 4 48.2	0.847	1.785	18.3	18.5
7 30	21 22.93	+ 3 38.5	0.827	1.799	13.7	18.3
8 9	21 17.51	+ 1 50.1	0.824	1.816	9.8	18.2
8 19	21 12.14	− 0 25.8	0.842	1.836	8.8	18.2
8 29	21 8.21	− 2 53.3	0.880	1.857	11.5	18.5
9 8	21 6.76	− 5 15.7	0.939	1.881	15.5	18.8
9 18	21 8.25	− 7 20.8	1.016	1.906	19.3	19.1

384477 2010 CN_{38} 8 9.3 185°.19 0°.9/10.1 18 R

7 10	21 39.37	−10 35.1	2.275	3.156	10.9	22.1
7 20	21 33.39	−11 10.3	2.204	3.156	7.7	21.9
7 30	21 25.93	−11 54.9	2.159	3.156	4.3	21.6
8 9	21 17.61	−12 45.1	2.142	3.155	1.0	21.4
8 19	21 9.18	−13 37.0	2.153	3.153	3.5	21.6
8 29	21 1.46	−14 26.2	2.193	3.151	7.0	21.8
9 8	20 55.16	−15 9.4	2.259	3.148	10.2	22.0
9 18	20 50.77	−15 44.2	2.348	3.144	12.9	22.2

84924 2003 VB_6 8 9.3 340°.44 4°.1/ 5.9 18

7 10	21 35.14	−19 51.6	1.365	2.291	13.6	18.3
7 20	21 31.32	−21 42.1	1.305	2.281	9.5	18.0
7 30	21 25.18	−23 41.2	1.268	2.271	5.4	17.7
8 9	21 17.59	−25 38.0	1.256	2.262	4.4	17.7
8 19	21 9.72	−27 21.2	1.268	2.253	7.9	17.8
8 29	21 2.92	−28 42.3	1.305	2.246	12.3	18.1
9 8	20 58.33	−29 37.2	1.362	2.240	16.3	18.3
9 18	20 56.66	−30 5.9	1.437	2.234	19.6	18.5

198431 2004 VG_{93} 8 9.3 229°.06 4°.0/ 6.2 18

7 10	21 42.55	−25 39.9	2.038	2.942	10.9	21.2
7 20	21 35.90	−26 28.9	1.971	2.933	7.8	21.0
7 30	21 27.34	−27 15.9	1.929	2.923	5.0	20.8
8 9	21 17.68	−27 55.1	1.914	2.913	4.2	20.7
8 19	21 7.86	−28 21.5	1.927	2.903	6.5	20.8
8 29	20 58.97	−28 32.3	1.966	2.892	9.7	21.0
9 8	20 51.88	−28 27.2	2.028	2.880	12.8	21.2
9 18	20 47.19	−28 7.6	2.111	2.869	15.4	21.4

235297 2003 UN_{80} 8 9.3 356°.71 4°.0/ 6.8 18

7 10	21 40.10	−23 24.1	1.512	2.430	13.1	19.8
7 20	21 34.51	−24 13.2	1.459	2.429	9.2	19.6
7 30	21 26.71	−25 2.3	1.428	2.427	5.4	19.3
8 9	21 17.66	−25 44.1	1.421	2.426	4.1	19.3
8 19	21 8.56	−26 12.5	1.440	2.426	7.1	19.4
8 29	21 0.68	−26 24.1	1.484	2.426	11.0	19.7
9 8	20 55.03	−26 18.2	1.549	2.426	14.7	19.9
9 18	20 52.18	−25 56.4	1.632	2.427	17.8	20.1

479705 2014 DJ_{119} 8 9.3 192°.07 3°.2/ 7.2 18

7 10	21 44.02	−24 40.2	2.073	2.974	10.9	21.2
7 20	21 36.76	−25 1.7	2.012	2.973	7.7	21.0
7 30	21 27.71	−25 20.7	1.975	2.972	4.6	20.8
8 9	21 17.70	−25 32.4	1.966	2.970	3.3	20.8
8 19	21 7.68	−25 33.6	1.985	2.969	5.6	20.9
8 29	20 58.68	−25 22.5	2.031	2.966	8.9	21.1
9 8	20 51.51	−24 59.3	2.102	2.964	12.0	21.3
9 18	20 46.68	−24 25.7	2.194	2.961	14.6	21.5

479776 2014 EB_{33} 8 9.3 345°.73 0°.8/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 36.93	−14 22.8	1.732	2.637	12.4	20.6
7 20	21 32.08	−15 27.0	1.669	2.635	8.6	20.4
7 30	21 25.40	−16 41.0	1.631	2.633	4.4	20.2
8 9	21 17.64	−17 58.5	1.618	2.631	0.8	19.9
8 19	21 9.73	−19 12.6	1.632	2.630	4.7	20.2
8 29	21 2.72	−20 17.3	1.673	2.628	8.9	20.4
9 8	20 57.49	−21 8.4	1.737	2.627	12.7	20.6
9 18	20 54.60	−21 44.0	1.822	2.627	15.8	20.9

199160 2005 YD_{174} 8 9.3 281°.17 2°.0/10.9 18

7 10	21 37.85	− 7 16.2	1.675	2.561	13.8	20.0
7 20	21 32.92	− 8 3.1	1.591	2.543	10.1	19.7
7 30	21 25.95	− 9 7.9	1.529	2.524	6.0	19.4
8 9	21 17.66	−10 26.5	1.493	2.504	2.2	19.1
8 19	21 9.00	−11 52.6	1.484	2.485	4.4	19.2
8 29	21 1.11	−13 18.6	1.501	2.466	8.9	19.4
9 8	20 54.98	−14 37.4	1.542	2.446	13.2	19.7
9 18	20 51.35	−15 44.2	1.605	2.427	16.8	19.8

384584 2010 JL_{85} 8 9.3 87°.69 7°.6/15.7 17

7 10	21 40.09	+ 7 2.9	1.986	2.794	15.0	20.4
7 20	21 33.90	+ 7 31.4	1.935	2.816	12.5	20.2
7 30	21 26.18	+ 7 38.0	1.905	2.837	9.9	20.1
8 9	21 17.66	+ 7 22.5	1.898	2.858	8.0	20.0
8 19	21 9.19	+ 6 47.1	1.918	2.879	7.7	20.1
8 29	21 1.63	+ 5 56.2	1.963	2.899	9.1	20.2
9 8	20 55.69	+ 4 56.0	2.032	2.920	11.2	20.4
9 18	20 51.84	+ 3 52.4	2.124	2.939	13.5	20.6

311495 2005 WQ_{27} 8 9.3 195°.30 1°.3/10.5 18

7 10	21 37.37	−10 11.4	2.438	3.319	10.3	21.7
7 20	21 31.93	−10 26.2	2.367	3.318	7.4	21.5
7 30	21 25.16	−10 49.1	2.322	3.316	4.2	21.3
8 9	21 17.63	−11 17.8	2.303	3.315	1.4	21.1
8 19	21 10.03	−11 49.1	2.313	3.313	3.3	21.2
8 29	21 3.08	−12 20.0	2.352	3.311	6.5	21.5
9 8	20 57.41	−12 47.5	2.416	3.309	9.5	21.6
9 18	20 53.47	−13 9.6	2.504	3.307	12.0	21.8

274459 2008 SX_{64} 8 9.3 54°.37 2°.6/ 7.7 16

7 10	21 41.44	−20 21.0	1.520	2.433	13.3	20.9
7 20	21 35.31	−21 1.5	1.472	2.441	9.2	20.7
7 30	21 27.07	−21 44.4	1.446	2.449	5.0	20.5
8 9	21 17.69	−22 23.1	1.446	2.456	2.7	20.3
8 19	21 8.36	−22 52.2	1.472	2.464	6.0	20.6
8 29	21 0.30	−23 7.8	1.523	2.473	10.2	20.8
9 8	20 54.45	−23 9.1	1.596	2.481	13.9	21.1
9 18	20 51.34	−22 56.7	1.689	2.490	17.0	21.3

332775 2009 VO_{24} 8 9.3 156°.87 2°.2/10.6 16

7 10	21 55.96	− 6 47.6	1.316	2.187	17.8	22.9
7 20	21 45.71	− 7 46.7	1.261	2.205	12.9	22.7
7 30	21 32.60	− 9 5.8	1.229	2.222	7.4	22.4
8 9	21 17.87	−10 37.5	1.224	2.235	2.4	22.1
8 19	21 3.17	−12 12.0	1.247	2.246	5.5	22.4
8 29	20 50.16	−13 39.5	1.298	2.254	10.9	22.7
9 8	20 40.13	−14 53.6	1.373	2.259	15.6	23.0
9 18	20 33.72	−15 51.4	1.468	2.262	19.4	23.3

186336 2002 EC_{36} 8 9.3 197°.70 1°.1/10.4 18

7 10	21 36.32	− 9 35.9	2.451	3.331	10.2	20.7
7 20	21 31.23	−10 15.0	2.379	3.329	7.3	20.5
7 30	21 24.82	−11 3.8	2.332	3.327	4.1	20.3
8 9	21 17.65	−11 58.9	2.313	3.325	1.2	20.1
8 19	21 10.38	−12 56.3	2.323	3.323	3.2	20.3
8 29	21 3.72	−13 51.9	2.361	3.320	6.5	20.5
9 8	20 58.30	−14 42.1	2.425	3.317	9.5	20.7
9 18	20 54.58	−15 24.4	2.513	3.314	12.1	20.8

390172 2012 VP_{107} 8 9.3 134°.21 0°.9/ 9.9 18

7 10	21 39.15	−11 45.0	1.898	2.790	12.2	21.4
7 20	21 33.44	−12 6.3	1.835	2.792	8.6	21.1
7 30	21 26.04	−12 37.0	1.795	2.794	4.7	20.9
8 9	21 17.69	−13 13.3	1.782	2.795	1.0	20.6
8 19	21 9.26	−13 51.0	1.796	2.797	3.9	20.9
8 29	21 1.72	−14 25.9	1.838	2.798	7.9	21.1
9 8	20 55.85	−14 54.6	1.903	2.800	11.4	21.3
9 18	20 52.19	−15 15.0	1.991	2.801	14.4	21.5

19910 5078 $T\text{-}_3$ 8 9.3 29°.11 5°.1/ 4.9 18

7 10	21 38.97	−28 30.8	2.032	2.942	10.7	17.0
7 20	21 33.36	−29 36.6	1.983	2.944	7.8	16.8
7 30	21 26.00	−30 38.0	1.959	2.947	5.6	16.7
8 9	21 17.69	−31 28.8	1.961	2.950	5.3	16.6
8 19	21 9.34	−32 4.0	1.990	2.953	7.3	16.8
8 29	21 1.94	−32 21.0	2.043	2.956	10.1	17.0
9 8	20 56.31	−32 19.9	2.120	2.960	12.7	17.1
9 18	20 52.95	−32 2.5	2.216	2.964	15.1	17.3

437742 2014 EL_{34} 8 9.3 15°.94 4°.7/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 39.57	−25 28.4	1.554	2.472	12.8	20.3
7 20	21 34.08	−26 22.9	1.507	2.476	9.1	20.1
7 30	21 26.47	−27 15.0	1.483	2.480	5.8	19.9
8 9	21 17.72	−27 57.2	1.484	2.484	4.9	19.8
8 19	21 8.99	−28 23.9	1.510	2.490	7.5	20.0
8 29	21 1.50	−28 32.0	1.560	2.496	11.1	20.2
9 8	20 56.19	−28 21.8	1.632	2.502	14.5	20.5
9 18	20 53.59	−27 55.3	1.723	2.509	17.3	20.7

516165 2016 NF_{71} 8 9.3 303°.69 4°.4/ 5.6 18

7 10	21 37.83	−21 17.4	1.520	2.439	12.9	20.5
7 20	21 33.21	−23 6.6	1.448	2.420	9.1	20.2
7 30	21 26.25	−25 3.6	1.401	2.401	5.5	20.0
8 9	21 17.73	−26 57.9	1.379	2.382	4.7	19.9
8 19	21 8.77	−28 39.0	1.383	2.363	8.0	20.0
8 29	21 0.73	−29 58.7	1.411	2.344	12.2	20.2
9 8	20 54.79	−30 52.9	1.461	2.326	16.1	20.4
9 18	20 51.75	−31 21.8	1.529	2.308	19.4	20.6

6486 1991 FO 8 9.3 106°.16 3°.4/11.7 18

7 10	21 40.47	− 5 0.1	1.478	2.359	15.6	17.8
7 20	21 34.66	− 5 24.6	1.422	2.368	11.6	17.5
7 30	21 26.78	− 6 8.2	1.388	2.376	7.3	17.3
8 9	21 17.74	− 7 6.8	1.378	2.385	3.7	17.1
8 19	21 8.66	− 8 14.5	1.393	2.393	5.0	17.2
8 29	21 0.72	− 9 24.1	1.435	2.401	9.1	17.5
9 8	20 54.87	−10 29.0	1.500	2.408	13.2	17.8
9 18	20 51.68	−11 24.3	1.585	2.416	16.6	18.0

443093 2013 HO_{9} 8 9.3 170°.34 0°.5/ 9.8 18

7 10	21 36.13	−10 41.5	2.334	3.220	10.4	21.0
7 20	21 31.16	−11 42.2	2.266	3.221	7.4	20.9
7 30	21 24.82	−12 52.9	2.224	3.222	4.0	20.6
8 9	21 17.68	−14 9.2	2.209	3.223	0.5	20.4
8 19	21 10.44	−15 26.0	2.224	3.223	3.4	20.6
8 29	21 3.84	−16 38.2	2.267	3.224	6.8	20.8
9 8	20 58.54	−17 42.0	2.336	3.224	9.9	21.0
9 18	20 55.01	−18 34.7	2.428	3.225	12.6	21.2

186937 2004 PF_{107} 8 9.3 354°.74 6°.6/ 3.6 18

7 10	21 39.09	−31 50.6	1.885	2.794	11.4	19.4
7 20	21 33.65	−33 8.4	1.836	2.792	8.7	19.2
7 30	21 26.25	−34 19.1	1.812	2.791	6.9	19.1
8 9	21 17.74	−35 15.2	1.813	2.790	6.9	19.1
8 19	21 9.15	−35 51.4	1.839	2.789	8.9	19.3
8 29	21 1.61	−36 5.1	1.890	2.788	11.5	19.4
9 8	20 56.02	−35 56.9	1.961	2.788	14.1	19.6
9 18	20 52.94	−35 29.7	2.051	2.788	16.4	19.8

401411 2013 CR_{66} 8 9.3 72°.24 0°.4/ 9.0 18

7 10	21 39.77	−16 13.1	2.073	2.971	11.0	20.8
7 20	21 33.77	−16 26.0	2.012	2.974	7.7	20.6
7 30	21 26.18	−16 43.2	1.976	2.977	4.0	20.4
8 9	21 17.75	−17 1.4	1.967	2.980	0.4	20.1
8 19	21 9.29	−17 17.3	1.985	2.984	3.9	20.4
8 29	21 1.70	−17 28.1	2.031	2.987	7.6	20.7
9 8	20 55.72	−17 32.0	2.102	2.990	10.9	20.9
9 18	20 51.82	−17 28.3	2.195	2.993	13.7	21.1

286613 2002 DG_{12} 8 9.3 112°.59 6°.0/16.3 18

7 10	21 36.58	+ 8 0.9	2.668	3.457	12.1	21.1
7 20	21 31.24	+ 7 54.8	2.606	3.475	10.0	20.9
7 30	21 24.77	+ 7 30.5	2.568	3.494	8.0	20.8
8 9	21 17.70	+ 6 49.1	2.554	3.511	6.4	20.8
8 19	21 10.63	+ 5 52.8	2.568	3.529	6.0	20.8
8 29	21 4.19	+ 4 45.5	2.609	3.546	7.1	20.9
9 8	20 58.92	+ 3 32.1	2.676	3.562	8.9	21.0
9 18	20 55.19	+ 2 17.5	2.768	3.578	10.8	21.2

376158 2011 BD_{86} 8 9.3 138°.15 2°.9/10.8 17

7 10	21 43.89	− 9 15.1	1.587	2.474	14.4	21.0
7 20	21 37.00	− 8 49.7	1.524	2.475	10.6	20.8
7 30	21 28.00	− 8 35.3	1.484	2.476	6.4	20.5
8 9	21 17.81	− 8 30.4	1.468	2.477	3.0	20.3
8 19	21 7.56	− 8 32.5	1.480	2.478	4.9	20.4
8 29	20 58.44	− 8 38.3	1.517	2.480	9.1	20.7
9 8	20 51.42	− 8 44.5	1.578	2.481	13.0	20.9
9 18	20 47.09	− 8 48.3	1.660	2.482	16.4	21.2

429459 2010 VK_{216} 8 9.3 244°.47 2°.3/ 7.8 17

7 10	21 42.41	−19 2.8	1.584	2.493	13.2	22.1
7 20	21 36.20	−19 52.5	1.517	2.484	9.2	21.8
7 30	21 27.70	−20 47.4	1.472	2.474	4.9	21.5
8 9	21 17.81	−21 40.9	1.453	2.464	2.4	21.3
8 19	21 7.69	−22 26.1	1.461	2.454	6.0	21.5
8 29	20 58.62	−22 58.1	1.494	2.443	10.4	21.8
9 8	20 51.70	−23 14.6	1.550	2.432	14.4	22.0
9 18	20 47.61	−23 15.7	1.625	2.420	17.8	22.2

513793 2013 CH_{4} 8 9.3 238°.37 1°.5/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 37.03	− 8 35.6	2.099	2.981	11.6	22.2
7 20	21 31.93	− 9 12.0	2.027	2.977	8.4	22.0
7 30	21 25.29	−10 0.4	1.979	2.973	4.8	21.8
8 9	21 17.74	−10 57.2	1.957	2.968	1.7	21.5
8 19	21 10.05	−11 57.9	1.963	2.964	3.6	21.7
8 29	21 3.07	−12 57.5	1.997	2.959	7.3	21.9
9 8	20 57.53	−13 51.7	2.057	2.954	10.6	22.1
9 18	20 53.95	−14 37.3	2.139	2.950	13.6	22.3

289523 2005 EL_{186} 8 9.3 169°.20 1°.6/10.8 18

7 10	21 37.96	− 7 46.2	2.239	3.114	11.2	21.2
7 20	21 32.46	− 8 31.3	2.171	3.117	8.2	21.0
7 30	21 25.52	− 9 28.3	2.128	3.120	4.7	20.8
8 9	21 17.75	−10 33.5	2.112	3.123	1.7	20.6
8 19	21 9.88	−11 42.3	2.125	3.125	3.5	20.7
8 29	21 2.71	−12 49.7	2.166	3.126	6.9	21.0
9 8	20 56.92	−13 51.2	2.233	3.127	10.1	21.2
9 18	20 53.01	−14 43.9	2.324	3.128	12.8	21.4

425553 2010 RS_{115} 8 9.3 59°.20 2°.3/ 8.3 17

7 10	21 46.03	−20 19.7	1.247	2.163	15.4	20.7
7 20	21 38.81	−20 31.2	1.201	2.171	10.8	20.5
7 30	21 29.01	−20 44.2	1.177	2.180	5.7	20.2
8 9	21 17.86	−20 52.8	1.177	2.189	2.3	20.0
8 19	21 6.88	−20 52.1	1.201	2.197	6.3	20.3
8 29	20 57.56	−20 39.8	1.250	2.207	11.2	20.6
9 8	20 51.02	−20 15.7	1.320	2.216	15.5	20.9
9 18	20 47.76	−19 41.6	1.409	2.225	19.0	21.1

147551 2004 EB_{80} 8 9.3 59°.56 5°.5/ 6.0 18

7 10	21 43.32	−26 7.7	1.368	2.286	14.1	19.1
7 20	21 36.87	−27 11.5	1.328	2.296	10.1	18.9
7 30	21 27.99	−28 11.3	1.311	2.306	6.6	18.7
8 9	21 17.83	−28 58.3	1.318	2.317	5.7	18.7
8 19	21 7.79	−29 26.0	1.349	2.327	8.5	18.9
8 29	20 59.29	−29 31.7	1.404	2.338	12.2	19.1
9 8	20 53.37	−29 16.6	1.481	2.349	15.8	19.4
9 18	20 50.54	−28 43.8	1.575	2.359	18.7	19.6

263322 2008 CV_{47} 8 9.3 39°.11 7°.0/ 7.0 18

7 10	21 53.69	−35 24.6	1.605	2.498	14.0	19.0
7 20	21 43.43	−35 14.2	1.576	2.522	10.7	18.9
7 30	21 31.04	−34 48.0	1.569	2.547	7.9	18.8
8 9	21 17.93	−34 1.6	1.589	2.572	7.1	18.8
8 19	21 5.57	−32 54.7	1.636	2.598	8.7	18.9
8 29	20 55.27	−31 30.5	1.708	2.624	11.5	19.2
9 8	20 47.83	−29 54.6	1.804	2.651	14.3	19.4
9 18	20 43.52	−28 12.6	1.920	2.678	16.7	19.6

509124 2005 YM_{110} 8 9.3 254°.86 1°.8/10.6 18

7 10	21 40.30	− 9 25.6	1.824	2.709	12.9	22.5
7 20	21 34.47	− 9 40.5	1.744	2.696	9.4	22.3
7 30	21 26.73	−10 7.4	1.688	2.683	5.5	22.0
8 9	21 17.81	−10 43.3	1.657	2.669	2.0	21.8
8 19	21 8.62	−11 23.9	1.654	2.655	4.2	21.9
8 29	21 0.24	−12 4.7	1.678	2.640	8.4	22.1
9 8	20 53.58	−12 41.3	1.726	2.625	12.2	22.3
9 18	20 49.28	−13 10.5	1.795	2.610	15.6	22.5

84019 2002 PN_{37} 8 9.3 340°.99 1°.3/10.1 17

7 10	21 33.00	−11 7.9	0.962	1.891	17.6	18.0
7 20	21 30.38	−11 31.1	0.898	1.872	12.7	17.7
7 30	21 24.96	−12 13.9	0.852	1.855	7.1	17.3
8 9	21 17.75	−13 11.1	0.826	1.839	1.5	16.9
8 19	21 10.13	−14 14.4	0.821	1.826	5.9	17.1
8 29	21 3.80	−15 13.9	0.837	1.814	12.0	17.4
9 8	21 0.19	−16 1.7	0.872	1.804	17.5	17.7
9 18	21 0.12	−16 32.6	0.922	1.796	22.2	18.0

13572 1993 FS_{12} 8 9.3 254°.15 0°.7/ 8.8 18

7 10	21 41.23	−15 1.8	1.697	2.599	12.9	19.4
7 20	21 35.30	−15 46.7	1.620	2.583	9.0	19.1
7 30	21 27.24	−16 41.0	1.566	2.568	4.7	18.8
8 9	21 17.83	−17 38.9	1.538	2.552	0.7	18.5
8 19	21 8.09	−18 34.3	1.538	2.535	4.9	18.8
8 29	20 59.23	−19 21.5	1.563	2.518	9.5	19.0
9 8	20 52.29	−19 56.7	1.612	2.501	13.6	19.2
9 18	20 47.95	−20 18.2	1.682	2.484	17.0	19.4

521645 2015 QR_{17} 8 9.3 243°.70 0°.8/ 8.7 17

7 10	21 40.74	−18 13.1	2.598	3.489	9.3	22.2
7 20	21 34.30	−18 19.2	2.517	3.477	6.5	22.0
7 30	21 26.46	−18 27.3	2.463	3.464	3.4	21.8
8 9	21 17.80	−18 34.6	2.437	3.450	0.8	21.6
8 19	21 9.02	−18 38.6	2.441	3.437	3.6	21.8
8 29	21 0.90	−18 37.4	2.474	3.423	6.8	21.9
9 8	20 54.09	−18 29.9	2.532	3.409	9.7	22.1
9 18	20 49.07	−18 15.8	2.614	3.394	12.2	22.3

234281 2000 WC_{160} 8 9.3 281°.10 1°.1/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 38.94	−10 39.5	1.716	2.610	13.1	20.8
7 20	21 33.64	−11 8.6	1.636	2.594	9.5	20.6
7 30	21 26.35	−11 50.4	1.580	2.578	5.3	20.3
8 9	21 17.80	−12 40.8	1.549	2.561	1.3	20.0
8 19	21 8.95	−13 34.7	1.544	2.545	4.3	20.2
8 29	21 0.91	−14 26.3	1.566	2.529	8.8	20.4
9 8	20 54.66	−15 10.9	1.612	2.512	12.9	20.6
9 18	20 50.87	−15 45.4	1.678	2.496	16.4	20.8

505691 2014 WV_{479} 8 9.3 233°.61 2°.8/11.2 17

7 10	21 41.80	− 6 57.9	1.756	2.633	13.7	22.1
7 20	21 35.58	− 7 8.6	1.676	2.622	10.2	21.9
7 30	21 27.34	− 7 33.8	1.620	2.610	6.3	21.6
8 9	21 17.83	− 8 10.9	1.589	2.597	3.0	21.4
8 19	21 8.05	− 8 55.8	1.585	2.584	4.6	21.5
8 29	20 59.10	− 9 43.3	1.608	2.570	8.7	21.7
9 8	20 51.97	−10 28.5	1.656	2.556	12.6	21.9
9 18	20 47.32	−11 7.4	1.724	2.541	16.1	22.1

493651 2015 RY_{25} 8 9.3 27°.05 0°.3/ 9.2 18

7 10	21 41.52	−16 59.1	1.752	2.655	12.4	20.2
7 20	21 35.13	−16 51.0	1.698	2.662	8.7	20.0
7 30	21 26.94	−16 46.5	1.668	2.670	4.5	19.7
8 9	21 17.82	−16 42.5	1.664	2.678	0.4	19.4
8 19	21 8.76	−16 36.3	1.687	2.686	4.3	19.8
8 29	21 0.81	−16 25.7	1.736	2.695	8.4	20.0
9 8	20 54.79	−16 9.7	1.810	2.705	12.0	20.3
9 18	20 51.17	−15 48.0	1.904	2.715	15.0	20.5

391553 2007 TT_{59} 8 9.3 182°.94 6°.5/ 5.0 18

7 10	21 46.51	−33 54.8	2.019	2.913	11.4	21.1
7 20	21 38.66	−34 33.9	1.967	2.913	8.8	20.9
7 30	21 28.80	−35 2.9	1.939	2.913	6.9	20.8
8 9	21 17.89	−35 15.7	1.938	2.913	6.6	20.8
8 19	21 7.06	−35 8.8	1.963	2.913	8.4	20.9
8 29	20 57.46	−34 41.5	2.013	2.912	10.9	21.0
9 8	20 50.01	−33 56.3	2.087	2.911	13.5	21.2
9 18	20 45.20	−32 56.8	2.180	2.910	15.8	21.4

296538 2009 OF_{20} 8 9.3 294°.79 4°.0/12.6 18

7 10	21 36.99	− 2 37.3	2.233	3.089	12.0	20.1
7 20	21 31.83	− 2 28.6	2.155	3.083	9.3	19.9
7 30	21 25.23	− 2 33.7	2.101	3.076	6.4	19.7
8 9	21 17.78	− 2 51.3	2.073	3.070	4.3	19.6
8 19	21 10.18	− 3 19.4	2.073	3.063	4.7	19.6
8 29	21 3.24	− 3 54.4	2.099	3.057	7.2	19.8
9 8	20 57.64	− 4 32.5	2.151	3.051	10.1	19.9
9 18	20 53.88	− 5 9.7	2.225	3.045	12.8	20.1

280855 2005 UH_{298} 8 9.4 165°.23 2°.0/10.9 17

7 10	21 40.59	− 7 54.6	2.123	2.996	11.8	22.2
7 20	21 34.33	− 8 15.3	2.057	3.002	8.6	22.0
7 30	21 26.52	− 8 47.3	2.015	3.006	5.1	21.8
8 9	21 17.82	− 9 27.6	2.001	3.011	2.2	21.6
8 19	21 9.06	−10 12.4	2.015	3.014	3.8	21.8
8 29	21 1.10	−10 57.5	2.057	3.017	7.2	22.0
9 8	20 54.67	−11 38.9	2.125	3.019	10.5	22.2
9 18	20 50.27	−12 13.9	2.215	3.021	13.3	22.4

223363 2003 SL_{8} 8 9.4 236°.84 3°.3/12.7 18

7 10	21 35.29	− 2 24.0	2.512	3.365	10.9	21.3
7 20	21 30.52	− 2 42.3	2.435	3.362	8.4	21.1
7 30	21 24.51	− 3 14.1	2.382	3.358	5.7	21.0
8 9	21 17.77	− 3 57.5	2.356	3.354	3.6	20.8
8 19	21 10.92	− 4 49.6	2.357	3.350	4.0	20.9
8 29	21 4.63	− 5 46.5	2.387	3.347	6.4	21.0
9 8	20 59.51	− 6 43.9	2.443	3.343	9.1	21.2
9 18	20 56.00	− 7 38.0	2.522	3.338	11.6	21.3

355712 2008 FL_{125} 8 9.4 29°.67 1°.8/10.8 18

7 10	21 35.86	− 8 22.8	1.753	2.644	13.0	20.3
7 20	21 31.23	− 8 55.6	1.700	2.654	9.4	20.1
7 30	21 24.95	− 9 41.7	1.670	2.665	5.5	19.9
8 9	21 17.79	−10 36.9	1.666	2.677	2.0	19.7
8 19	21 10.62	−11 36.0	1.688	2.689	4.0	19.8
8 29	21 4.37	−12 33.5	1.736	2.702	7.8	20.1
9 8	20 59.80	−13 24.6	1.809	2.715	11.4	20.4
9 18	20 57.39	−14 6.1	1.903	2.729	14.4	20.6

184771 2005 TO_{10} 8 9.4 321°.22 4°.5/ 6.3 18

7 10	21 42.06	−28 0.1	1.986	2.892	11.1	19.7
7 20	21 35.57	−28 30.4	1.926	2.887	8.1	19.5
7 30	21 27.23	−28 55.8	1.891	2.882	5.4	19.3
8 9	21 17.87	−29 11.1	1.882	2.878	4.7	19.3
8 19	21 8.49	−29 12.5	1.899	2.873	6.8	19.4
8 29	21 0.14	−28 58.3	1.943	2.869	9.8	19.6
9 8	20 53.68	−28 29.2	2.010	2.865	12.7	19.8
9 18	20 49.61	−27 47.5	2.097	2.861	15.3	19.9

351137 2003 WE_{150} 8 9.4 330°.29 8°.9/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 38.02	−32 6.2	1.367	2.290	13.8	19.6
7 20	21 33.68	−34 0.5	1.310	2.272	10.9	19.4
7 30	21 26.64	−35 48.8	1.276	2.255	9.0	19.2
8 9	21 17.86	−37 18.8	1.265	2.239	9.5	19.2
8 19	21 8.72	−38 20.7	1.276	2.224	12.1	19.3
8 29	21 0.83	−38 49.3	1.309	2.210	15.4	19.5
9 8	20 55.53	−38 45.3	1.360	2.196	18.7	19.6
9 18	20 53.58	−38 13.1	1.426	2.184	21.6	19.8

510965 2013 GA_{68} 8 9.4 111°.43 0°.5/ 9.8 18

7 10	21 36.62	−11 22.7	2.515	3.399	9.8	21.6
7 20	21 31.38	−12 9.3	2.459	3.413	6.9	21.4
7 30	21 24.92	−13 3.6	2.428	3.426	3.7	21.2
8 9	21 17.80	−14 1.8	2.426	3.439	0.6	21.0
8 19	21 10.67	−15 0.0	2.452	3.452	3.1	21.3
8 29	21 4.19	−15 54.2	2.507	3.464	6.3	21.5
9 8	20 58.96	−16 41.4	2.589	3.476	9.1	21.7
9 18	20 55.38	−17 19.7	2.694	3.488	11.5	21.9

279468 2010 UR_{83} 8 9.4 185°.87 3°.5/ 5.8 18

7 10	21 38.25	−25 45.9	2.598	3.501	8.9	21.0
7 20	21 32.63	−26 41.7	2.540	3.500	6.4	20.8
7 30	21 25.62	−27 35.7	2.507	3.500	4.1	20.7
8 9	21 17.83	−28 23.4	2.503	3.499	3.6	20.7
8 19	21 9.97	−29 0.7	2.527	3.498	5.4	20.8
8 29	21 2.80	−29 25.2	2.578	3.497	8.0	20.9
9 8	20 56.97	−29 36.2	2.653	3.496	10.4	21.1
9 18	20 52.94	−29 34.1	2.750	3.494	12.5	21.3

450036 2015 RN_{1} 8 9.4 13°.43 2°.2/10.8 18

7 10	21 38.77	− 9 27.8	1.950	2.835	12.2	20.1
7 20	21 33.17	− 9 18.6	1.886	2.837	8.9	19.9
7 30	21 25.95	− 9 19.1	1.846	2.839	5.3	19.7
8 9	21 17.84	− 9 27.3	1.832	2.841	2.3	19.5
8 19	21 9.69	− 9 40.6	1.845	2.844	4.0	19.7
8 29	21 2.39	− 9 55.8	1.884	2.847	7.5	19.9
9 8	20 56.69	−10 9.7	1.949	2.850	10.9	20.1
9 18	20 53.11	−10 20.1	2.035	2.854	13.9	20.3

320485 2007 VO_{332} 8 9.4 146°.55 5°.0/ 6.4 17

7 10	21 46.71	−26 34.3	1.586	2.494	13.2	20.8
7 20	21 39.08	−27 23.8	1.538	2.501	9.5	20.6
7 30	21 29.14	−28 9.0	1.514	2.507	6.1	20.4
8 9	21 17.96	−28 42.3	1.515	2.513	5.1	20.3
8 19	21 6.85	−28 58.3	1.542	2.519	7.7	20.5
8 29	20 57.15	−28 54.9	1.594	2.524	11.3	20.7
9 8	20 49.90	−28 33.4	1.669	2.528	14.7	21.0
9 18	20 45.63	−27 56.8	1.763	2.532	17.6	21.2

164055 2003 VL_{8} 8 9.4 349°.71 7°.0/ 4.3 18

7 10	21 40.51	−30 19.0	1.518	2.436	13.1	19.1
7 20	21 35.01	−31 36.2	1.469	2.432	9.9	18.9
7 30	21 27.13	−32 46.8	1.443	2.429	7.5	18.8
8 9	21 17.90	−33 41.7	1.441	2.426	7.4	18.8
8 19	21 8.58	−34 14.2	1.463	2.424	9.7	18.9
8 29	21 0.55	−34 21.2	1.508	2.422	12.9	19.1
9 8	20 54.90	−34 4.2	1.573	2.421	16.1	19.3
9 18	20 52.21	−33 26.5	1.656	2.420	18.8	19.5

344725 2003 UN_{105} 8 9.4 302°.02 4°.2/ 6.5 18

7 10	21 41.33	−24 47.8	1.702	2.614	12.2	20.5
7 20	21 35.34	−25 35.8	1.641	2.607	8.7	20.2
7 30	21 27.23	−26 22.4	1.603	2.600	5.4	20.0
8 9	21 17.90	−27 1.1	1.591	2.593	4.3	20.0
8 19	21 8.45	−27 26.2	1.605	2.587	7.0	20.1
8 29	21 0.08	−27 34.5	1.645	2.580	10.6	20.3
9 8	20 53.78	−27 25.8	1.706	2.574	14.0	20.5
9 18	20 50.13	−27 1.5	1.787	2.567	17.0	20.7

432273 2009 SD_{89} 8 9.4 266°.91 4°.5/12.3 17

7 10	21 39.83	− 3 27.8	1.630	2.502	14.9	21.6
7 20	21 34.31	− 3 26.7	1.553	2.491	11.4	21.3
7 30	21 26.75	− 3 43.8	1.498	2.480	7.7	21.1
8 9	21 17.89	− 4 17.6	1.466	2.468	4.7	20.9
8 19	21 8.76	− 5 4.5	1.461	2.456	5.5	20.9
8 29	21 0.49	− 5 59.0	1.481	2.445	9.1	21.1
9 8	20 54.08	− 6 54.9	1.525	2.433	13.0	21.3
9 18	20 50.22	− 7 46.6	1.589	2.421	16.5	21.5

374909 2006 XV_{11} 8 9.4 271°.28 1°.2/ 8.6 18

7 10	21 42.05	−16 45.1	1.588	2.494	13.3	21.2
7 20	21 36.04	−17 19.7	1.511	2.477	9.4	20.9
7 30	21 27.72	−18 1.8	1.456	2.459	4.9	20.6
8 9	21 17.93	−18 45.6	1.427	2.440	1.2	20.3
8 19	21 7.79	−19 25.1	1.424	2.422	5.3	20.5
8 29	20 58.61	−19 55.3	1.447	2.403	10.1	20.8
9 8	20 51.50	−20 13.1	1.493	2.384	14.3	21.0
9 18	20 47.20	−20 17.5	1.559	2.365	18.0	21.2

276106 2002 FQ_{25} 8 9.4 71°.52 8°.7/ 2.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 43.36	−34 58.5	1.614	2.521	13.1	19.5
7 20	21 36.87	−36 42.6	1.586	2.535	10.4	19.4
7 30	21 28.03	−38 13.9	1.582	2.549	8.8	19.3
8 9	21 17.94	−39 22.8	1.602	2.563	9.1	19.4
8 19	21 7.93	−40 3.5	1.646	2.577	11.0	19.5
8 29	20 59.38	−40 14.5	1.712	2.592	13.5	19.7
9 8	20 53.30	−39 58.8	1.799	2.606	16.0	19.9
9 18	20 50.23	−39 21.4	1.902	2.620	18.1	20.1

430793 2004 TW_{327} 8 9.4 1°.70 10°.4/12.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.40	− 2 11.6	0.920	1.823	20.8	19.0
7 20	21 34.05	+ 0 3.0	0.872	1.818	16.9	18.8
7 30	21 26.82	+ 1 56.2	0.840	1.816	13.0	18.6
8 9	21 17.90	+ 3 21.0	0.829	1.817	10.6	18.5
8 19	21 8.86	+ 4 13.7	0.837	1.820	11.1	18.5
8 29	21 1.38	+ 4 36.3	0.864	1.825	14.2	18.7
9 8	20 56.80	+ 4 35.6	0.910	1.833	17.9	18.9
9 18	20 55.76	+ 4 20.5	0.971	1.844	21.4	19.2

361399 2006 WO_{31} 8 9.4 241°.09 0°.5/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.20	−15 9.6	2.314	3.208	10.2	21.8
7 20	21 32.72	−15 46.4	2.237	3.198	7.1	21.6
7 30	21 25.74	−16 29.3	2.186	3.187	3.7	21.4
8 9	21 17.87	−17 14.4	2.163	3.177	0.5	21.1
8 19	21 9.85	−17 57.8	2.168	3.166	3.7	21.3
8 29	21 2.47	−18 35.5	2.201	3.155	7.3	21.5
9 8	20 56.46	−19 5.0	2.260	3.143	10.4	21.7
9 18	20 52.33	−19 24.8	2.341	3.131	13.2	21.9

275397 2011 BY_{27} 8 9.4 273°.89 0°.2/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.77	−13 8.1	1.581	2.482	13.6	21.3
7 20	21 35.12	−13 40.2	1.503	2.466	9.7	21.0
7 30	21 27.24	−14 23.5	1.448	2.449	5.2	20.7
8 9	21 17.94	−15 13.2	1.418	2.432	0.3	20.3
8 19	21 8.29	−16 3.3	1.414	2.414	4.8	20.6
8 29	20 59.54	−16 48.0	1.436	2.397	9.6	20.8
9 8	20 52.80	−17 22.9	1.481	2.379	14.0	21.0
9 18	20 48.79	−17 45.7	1.546	2.362	17.7	21.2

342406 2008 UL_{57} 8 9.4 320°.30 4°.0/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.91	−23 29.3	1.618	2.533	12.6	20.0
7 20	21 35.10	−24 24.5	1.561	2.529	8.9	19.8
7 30	21 27.14	−25 19.9	1.526	2.525	5.3	19.6
8 9	21 17.93	−26 8.3	1.518	2.522	4.1	19.5
8 19	21 8.62	−26 43.5	1.535	2.518	6.9	19.7
8 29	21 0.44	−27 1.8	1.577	2.515	10.7	19.9
9 8	20 54.37	−27 2.2	1.641	2.512	14.3	20.1
9 18	20 51.02	−26 46.4	1.724	2.509	17.3	20.3

63092 2000 WJ_{142} 8 9.4 353°.14 0°.9/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 33.09	− 8 10.1	1.487	2.389	14.3	17.6
7 20	21 29.69	− 9 34.1	1.421	2.382	10.3	17.3
7 30	21 24.35	−11 18.0	1.378	2.377	5.7	17.0
8 9	21 17.83	−13 14.8	1.359	2.373	1.1	16.7
8 19	21 11.11	−15 14.9	1.367	2.369	4.5	16.9
8 29	21 5.29	−17 8.3	1.401	2.367	9.2	17.2
9 8	21 1.33	−18 46.9	1.458	2.366	13.5	17.5
9 18	20 59.84	−20 6.0	1.535	2.366	17.1	17.7

260722 2005 KP_{4} 8 9.4 131°.41 2°.7/ 7.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 41.93	−19 9.3	1.512	2.423	13.5	20.7
7 20	21 35.83	−20 14.9	1.459	2.428	9.4	20.5
7 30	21 27.52	−21 25.4	1.430	2.432	5.0	20.2
8 9	21 17.96	−22 32.9	1.427	2.437	2.8	20.1
8 19	21 8.33	−23 30.1	1.450	2.441	6.2	20.3
8 29	20 59.91	−24 11.7	1.497	2.445	10.5	20.6
9 8	20 53.71	−24 35.7	1.568	2.448	14.4	20.8
9 18	20 50.31	−24 42.4	1.657	2.452	17.6	21.1

343788 2011 GT_{48} 8 9.4 22°.23 9°.0/16.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 35.48	+ 6 39.1	1.318	2.165	19.2	20.4
7 20	21 31.40	+ 6 48.9	1.265	2.172	15.9	20.2
7 30	21 25.23	+ 6 26.7	1.229	2.180	12.4	20.0
8 9	21 17.88	+ 5 32.6	1.214	2.190	9.7	19.9
8 19	21 10.46	+ 4 11.3	1.222	2.200	9.1	19.9
8 29	21 4.17	+ 2 31.4	1.252	2.211	11.0	20.0
9 8	20 59.97	+ 0 43.8	1.304	2.222	14.0	20.2
9 18	20 58.44	− 1 1.3	1.377	2.235	17.2	20.4

388878 2008 RP_{35} 8 9.4 260°.68 2°.0/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.73	− 7 49.7	2.038	2.914	12.1	22.5
7 20	21 34.05	− 8 14.9	1.946	2.892	8.9	22.3
7 30	21 26.58	− 8 53.3	1.877	2.869	5.3	22.0
8 9	21 17.95	− 9 42.0	1.836	2.846	2.2	21.7
8 19	21 8.97	−10 36.9	1.822	2.822	4.0	21.8
8 29	21 0.60	−11 33.0	1.836	2.797	7.8	22.0
9 8	20 53.73	−12 25.5	1.876	2.772	11.6	22.2
9 18	20 49.00	−13 10.9	1.937	2.747	14.8	22.4

287324 2002 TC_{288} 8 9.4 321°.49 5°.2/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 37.12	− 3 49.3	1.482	2.364	15.5	19.4
7 20	21 32.73	− 3 27.0	1.392	2.335	12.1	19.1
7 30	21 26.10	− 3 22.6	1.323	2.306	8.3	18.8
8 9	21 17.95	− 3 35.9	1.277	2.278	5.4	18.6
8 19	21 9.31	− 4 4.9	1.255	2.251	6.3	18.5
8 29	21 1.41	− 4 45.0	1.257	2.224	10.0	18.7
9 8	20 55.44	− 5 30.0	1.282	2.198	14.3	18.9
9 18	20 52.21	− 6 14.0	1.325	2.173	18.3	19.0

86278 1999 UN 8 9.4 2°.43 6°.7/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 36.44	−28 48.8	1.128	2.062	15.1	18.0
7 20	21 32.49	−29 23.6	1.086	2.060	11.1	17.7
7 30	21 25.91	−29 50.4	1.064	2.059	7.7	17.6
8 9	21 17.93	−30 1.0	1.063	2.061	6.9	17.5
8 19	21 10.04	−29 50.2	1.085	2.065	9.6	17.7
8 29	21 3.76	−29 16.4	1.127	2.072	13.4	17.9
9 8	21 0.16	−28 22.3	1.189	2.080	17.2	18.2
9 18	20 59.74	−27 12.0	1.268	2.091	20.4	18.4

2636 Lassell 8 9.4 55°.99 3°.3/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.20	−22 22.4	1.955	2.866	11.0	16.0
7 20	21 32.89	−23 32.7	1.905	2.873	7.7	15.8
7 30	21 25.89	−24 44.0	1.881	2.879	4.5	15.7
8 9	21 17.94	−25 49.7	1.883	2.886	3.5	15.6
8 19	21 9.95	−26 44.2	1.912	2.894	6.0	15.8
8 29	21 2.88	−27 23.6	1.967	2.901	9.2	16.0
9 8	20 57.50	−27 46.6	2.045	2.908	12.2	16.2
9 18	20 54.33	−27 53.6	2.144	2.916	14.8	16.4

157616 2005 WF_{74} 8 9.4 224°.56 5°.1/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.07	−31 25.6	2.677	3.575	8.8	20.4
7 20	21 33.35	−32 44.4	2.617	3.567	6.7	20.3
7 30	21 26.11	−33 58.7	2.583	3.559	5.3	20.2
8 9	21 17.96	−35 2.7	2.577	3.550	5.4	20.1
8 19	21 9.64	−35 52.1	2.599	3.542	7.0	20.2
8 29	21 1.96	−36 24.3	2.647	3.532	9.1	20.4
9 8	20 55.67	−36 38.8	2.719	3.523	11.3	20.5
9 18	20 51.26	−36 37.0	2.810	3.513	13.1	20.6

109599 2001 QF_{282} 8 9.4 186°.43 4°.4/12.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.79	− 3 11.9	2.144	2.998	12.5	19.3
7 20	21 34.52	− 2 41.2	2.072	2.998	9.6	19.1
7 30	21 26.70	− 2 23.2	2.024	2.998	6.7	18.9
8 9	21 17.98	− 2 17.4	2.003	2.998	4.6	18.8
8 19	21 9.16	− 2 22.6	2.009	2.997	5.1	18.8
8 29	21 1.10	− 2 35.9	2.042	2.997	7.6	19.0
9 8	20 54.54	− 2 54.0	2.101	2.996	10.6	19.2
9 18	20 49.98	− 3 13.3	2.182	2.996	13.3	19.3

50513 2000 DH_{103} 8 9.4 149°.22 0°.6/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.48	−15 35.3	1.912	2.812	11.7	19.9
7 20	21 33.78	−16 10.0	1.850	2.814	8.1	19.7
7 30	21 26.36	−16 51.1	1.813	2.815	4.2	19.4
8 9	21 17.97	−17 34.0	1.802	2.816	0.6	19.1
8 19	21 9.50	−18 13.9	1.819	2.817	4.3	19.4
8 29	21 1.92	−18 46.7	1.862	2.818	8.2	19.7
9 8	20 56.04	−19 9.8	1.930	2.819	11.7	19.9
9 18	20 52.38	−19 22.2	2.019	2.820	14.6	20.1

504461 2008 CQ_{210} 8 9.4 129°.63 1°.3/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.68	−17 20.7	1.706	2.607	12.8	22.0
7 20	21 36.78	−17 58.3	1.655	2.619	8.9	21.8
7 30	21 27.92	−18 40.8	1.628	2.630	4.6	21.6
8 9	21 18.03	−19 22.3	1.628	2.640	1.4	21.4
8 19	21 8.17	−19 57.9	1.655	2.650	5.0	21.6
8 29	20 59.47	−20 23.4	1.708	2.660	9.1	21.9
9 8	20 52.82	−20 37.2	1.785	2.669	12.7	22.1
9 18	20 48.73	−20 39.2	1.883	2.678	15.8	22.4

365746 2010 WW_{26} 8 9.4 348°.32 1°.6/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.94	−18 52.8	2.105	3.009	10.6	21.0
7 20	21 32.62	−19 26.8	2.042	3.008	7.3	20.8
7 30	21 25.72	−20 3.9	2.004	3.006	3.8	20.6
8 9	21 17.95	−20 39.8	1.993	3.005	1.6	20.4
8 19	21 10.10	−21 10.4	2.010	3.004	4.5	20.6
8 29	21 3.05	−21 32.4	2.053	3.003	8.0	20.8
9 8	20 57.55	−21 44.0	2.121	3.002	11.1	21.0
9 18	20 54.08	−21 44.8	2.210	3.001	13.8	21.2

183198 2002 TH_{13} 8 9.4 0°.37 1°.6/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.65	−11 29.3	1.058	1.979	17.2	19.6
7 20	21 33.37	−11 35.4	1.006	1.976	12.3	19.3
7 30	21 26.44	−11 56.8	0.972	1.974	6.9	19.0
8 9	21 17.98	−12 28.8	0.960	1.973	1.8	18.7
8 19	21 9.40	−13 5.1	0.971	1.974	5.5	19.0
8 29	21 2.25	−13 38.9	1.003	1.976	11.1	19.3
9 8	20 57.75	−14 4.6	1.056	1.980	16.0	19.6
9 18	20 56.51	−14 19.2	1.126	1.984	20.1	19.8

318335 2004 TY_{205} 8 9.4 242°.49 3°.0/ 6.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 38.50	−23 53.3	2.398	3.302	9.5	21.0
7 20	21 32.91	−24 37.4	2.335	3.298	6.7	20.8
7 30	21 25.85	−25 20.9	2.297	3.294	4.0	20.7
8 9	21 17.96	−25 59.2	2.287	3.290	3.1	20.6
8 19	21 9.98	−26 28.5	2.305	3.286	5.2	20.7
8 29	21 2.74	−26 46.1	2.350	3.282	8.1	20.9
9 8	20 56.93	−26 51.2	2.420	3.278	10.8	21.1
9 18	20 53.02	−26 44.0	2.511	3.273	13.1	21.2

223418 2003 SW_{210} 8 9.4 266°.29 2°.8/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 36.93	− 5 38.1	2.364	3.230	11.0	19.9
7 20	21 31.76	− 5 40.8	2.290	3.227	8.3	19.7
7 30	21 25.24	− 5 54.8	2.240	3.224	5.3	19.5
8 9	21 17.94	− 6 18.4	2.217	3.221	3.0	19.4
8 19	21 10.53	− 6 48.9	2.221	3.218	3.8	19.4
8 29	21 3.76	− 7 23.1	2.253	3.214	6.6	19.6
9 8	20 58.27	− 7 57.5	2.312	3.211	9.6	19.8
9 18	20 54.51	− 8 28.9	2.393	3.208	12.2	20.0

26281 1998 ST_{43} 8 9.4 323°.17 0°.1/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 36.73	−12 58.4	1.165	2.085	16.0	17.6
7 20	21 32.87	−13 33.5	1.090	2.062	11.4	17.3
7 30	21 26.33	−14 24.5	1.035	2.038	6.1	16.9
8 9	21 17.99	−15 25.6	1.002	2.016	0.3	16.4
8 19	21 9.14	−16 28.8	0.993	1.995	5.8	16.7
8 29	21 1.36	−17 25.5	1.005	1.974	11.6	17.0
9 8	20 56.04	−18 9.0	1.038	1.955	16.8	17.2
9 18	20 54.07	−18 35.8	1.088	1.937	21.3	17.5

346954 2010 AX_{105} 8 9.4 288°.05 4°.9/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.17	− 0 27.3	1.768	2.627	14.5	20.8
7 20	21 32.38	− 0 41.7	1.688	2.616	11.4	20.5
7 30	21 25.75	− 1 16.8	1.630	2.604	8.0	20.3
8 9	21 17.98	− 2 11.0	1.596	2.592	5.3	20.1
8 19	21 9.95	− 3 20.3	1.588	2.581	5.6	20.1
8 29	21 2.67	− 4 38.6	1.606	2.569	8.6	20.3
9 8	20 57.05	− 5 58.7	1.648	2.558	12.1	20.5
9 18	20 53.70	− 7 14.4	1.712	2.546	15.4	20.6

249365 2008 YP_{163} 8 9.4 359°.24 0°.9/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.01	−15 24.9	1.689	2.596	12.6	20.2
7 20	21 32.96	−16 15.2	1.629	2.595	8.8	19.9
7 30	21 26.01	−17 13.8	1.592	2.595	4.5	19.7
8 9	21 17.99	−18 14.6	1.581	2.594	0.9	19.4
8 19	21 9.84	−19 11.7	1.597	2.594	4.8	19.7
8 29	21 2.66	−19 59.5	1.638	2.595	9.0	19.9
9 8	20 57.31	−20 34.7	1.703	2.595	12.8	20.2
9 18	20 54.38	−20 56.0	1.788	2.596	15.9	20.4

31496 Glowacz 8 9.4 228°.53 1°.1/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 41.07	−11 27.3	1.673	2.567	13.4	18.5
7 20	21 35.11	−11 44.8	1.606	2.564	9.6	18.3
7 30	21 27.16	−12 13.0	1.563	2.561	5.3	18.0
8 9	21 18.03	−12 48.2	1.544	2.557	1.2	17.8
8 19	21 8.77	−13 25.6	1.553	2.554	4.3	18.0
8 29	21 0.47	−14 0.4	1.588	2.550	8.7	18.2
9 8	20 54.10	−14 28.9	1.646	2.546	12.7	18.5
9 18	20 50.24	−14 48.6	1.726	2.542	16.1	18.7

484671 2008 UZ_{99} 8 9.4 293°.20 2°.1/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 35.81	− 7 31.6	2.500	3.373	10.3	21.2
7 20	21 31.01	− 7 42.4	2.413	3.357	7.6	21.0
7 30	21 24.88	− 8 3.2	2.351	3.340	4.7	20.8
8 9	21 17.95	− 8 32.0	2.316	3.324	2.2	20.6
8 19	21 10.84	− 9 6.2	2.309	3.308	3.4	20.6
8 29	21 4.27	− 9 42.5	2.330	3.291	6.4	20.8
9 8	20 58.86	−10 17.5	2.377	3.275	9.4	21.0
9 18	20 55.10	−10 48.6	2.447	3.259	12.0	21.1

447331 2005 YF_{25} 8 9.4 6°.18 2°.8/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.12	− 8 9.1	1.956	2.836	12.4	20.2
7 20	21 33.46	− 7 49.1	1.890	2.837	9.2	20.0
7 30	21 26.18	− 7 39.4	1.848	2.838	5.7	19.8
8 9	21 18.00	− 7 38.6	1.832	2.839	2.9	19.6
8 19	21 9.76	− 7 44.6	1.842	2.840	4.2	19.7
8 29	21 2.36	− 7 54.5	1.880	2.842	7.6	19.9
9 8	20 56.55	− 8 5.1	1.942	2.845	10.9	20.1
9 18	20 52.86	− 8 14.0	2.026	2.848	13.8	20.3

195497 2002 GL_{165} 8 9.4 76°.19 2°.2/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.55	− 8 0.0	1.692	2.578	13.7	20.2
7 20	21 33.87	− 8 24.1	1.640	2.591	10.0	20.0
7 30	21 26.42	− 9 1.9	1.611	2.604	5.8	19.8
8 9	21 18.01	− 9 49.5	1.607	2.617	2.3	19.6
8 19	21 9.63	−10 41.7	1.630	2.631	4.2	19.7
8 29	21 2.27	−11 33.2	1.680	2.644	8.2	20.0
9 8	20 56.75	−12 19.3	1.753	2.657	11.8	20.3
9 18	20 53.56	−12 56.7	1.848	2.670	14.9	20.5

186326 2002 DO_{12} 8 9.4 123°.45 2°.7/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 39.08	−22 40.5	2.340	3.243	9.7	20.2
7 20	21 33.28	−23 29.5	2.288	3.251	6.8	20.1
7 30	21 26.03	−24 18.4	2.261	3.259	3.9	19.9
8 9	21 18.00	−25 2.4	2.262	3.267	2.8	19.8
8 19	21 9.96	−25 37.7	2.291	3.274	5.0	20.0
8 29	21 2.71	−26 1.4	2.347	3.281	7.9	20.2
9 8	20 56.93	−26 12.5	2.428	3.288	10.7	20.4
9 18	20 53.08	−26 11.5	2.531	3.295	13.0	20.6

521963 2015 VM_{159} 8 9.4 320°.57 7°.1/13.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.86	+ 1 28.3	1.864	2.708	14.5	20.5
7 20	21 33.58	+ 2 25.7	1.774	2.685	11.9	20.3
7 30	21 26.41	+ 3 7.0	1.706	2.662	9.2	20.1
8 9	21 18.03	+ 3 30.4	1.662	2.640	7.3	19.9
8 19	21 9.27	+ 3 35.5	1.643	2.618	7.5	19.9
8 29	21 1.17	+ 3 24.5	1.650	2.597	9.7	20.0
9 8	20 54.65	+ 3 1.5	1.679	2.576	12.7	20.1
9 18	20 50.39	+ 2 31.6	1.730	2.556	15.6	20.3

508886 2003 SS_{279} 8 9.4 294°.89 1°.7/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 41.00	−10 33.5	1.349	2.251	15.5	21.5
7 20	21 35.71	−10 45.8	1.264	2.225	11.3	21.1
7 30	21 27.79	−11 13.0	1.201	2.199	6.5	20.8
8 9	21 18.09	−11 51.7	1.161	2.173	1.9	20.4
8 19	21 7.80	−12 36.3	1.145	2.147	5.3	20.6
8 29	20 58.43	−13 20.3	1.154	2.121	10.7	20.8
9 8	20 51.31	−13 58.1	1.185	2.095	15.7	21.0
9 18	20 47.35	−14 25.5	1.234	2.070	20.1	21.2

472459 2015 BF_{408} 8 9.4 43°.67 1°.6/ 8.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 45.03	−19 8.4	1.236	2.152	15.5	20.6
7 20	21 37.98	−19 9.6	1.203	2.173	10.7	20.4
7 30	21 28.58	−19 13.5	1.191	2.194	5.5	20.1
8 9	21 18.10	−19 14.9	1.203	2.215	1.6	19.9
8 19	21 7.98	−19 10.0	1.239	2.238	5.7	20.3
8 29	20 59.59	−18 56.5	1.300	2.260	10.5	20.6
9 8	20 53.87	−18 34.2	1.383	2.283	14.6	20.9
9 18	20 51.21	−18 3.8	1.484	2.307	17.9	21.2

399817 2005 SF_{202} 8 9.4 316°.01 4°.5/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.04	− 3 13.5	1.908	2.773	13.3	20.3
7 20	21 32.85	− 2 56.0	1.830	2.763	10.3	20.1
7 30	21 25.95	− 2 53.4	1.775	2.753	7.1	19.9
8 9	21 18.02	− 3 4.9	1.745	2.743	4.7	19.7
8 19	21 9.89	− 3 28.3	1.742	2.734	5.2	19.7
8 29	21 2.51	− 4 0.0	1.764	2.725	8.2	19.9
9 8	20 56.69	− 4 35.3	1.811	2.716	11.5	20.1
9 18	20 53.02	− 5 10.0	1.880	2.708	14.5	20.2

507622 2013 FK_{15} 8 9.4 126°.08 0°.8/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.43	−16 41.6	2.423	3.318	9.8	21.8
7 20	21 32.75	−17 12.9	2.365	3.326	6.7	21.6
7 30	21 25.74	−17 48.1	2.333	3.334	3.5	21.4
8 9	21 18.01	−18 23.6	2.329	3.342	0.8	21.2
8 19	21 10.27	−18 55.8	2.353	3.349	3.6	21.4
8 29	21 3.25	−19 21.8	2.405	3.357	6.8	21.6
9 8	20 57.59	−19 39.8	2.483	3.364	9.7	21.8
9 18	20 53.72	−19 49.0	2.584	3.370	12.2	22.0

285219 1997 GK_{27} 8 9.4 36°.67 0°.8/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.25	−16 10.1	1.733	2.640	12.3	20.3
7 20	21 32.95	−16 42.9	1.687	2.653	8.5	20.1
7 30	21 25.93	−17 21.5	1.665	2.667	4.4	19.9
8 9	21 18.03	−18 0.9	1.668	2.682	0.8	19.7
8 19	21 10.18	−18 36.3	1.699	2.697	4.5	20.0
8 29	21 3.37	−19 3.8	1.755	2.712	8.4	20.3
9 8	20 58.38	−19 21.1	1.834	2.728	11.9	20.5
9 18	20 55.66	−19 27.4	1.935	2.744	14.8	20.8

262889 2007 CW_{14} 8 9.4 223°.73 1°.2/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 36.52	− 9 2.2	2.467	3.345	10.2	21.4
7 20	21 31.50	− 9 43.7	2.390	3.339	7.4	21.2
7 30	21 25.14	−10 35.4	2.338	3.333	4.2	21.0
8 9	21 18.00	−11 34.2	2.314	3.326	1.3	20.8
8 19	21 10.72	−12 35.8	2.319	3.319	3.2	20.9
8 29	21 4.01	−13 36.1	2.352	3.312	6.4	21.2
9 8	20 58.52	−14 31.2	2.412	3.305	9.5	21.3
9 18	20 54.71	−15 18.3	2.495	3.297	12.1	21.5

437838 1996 LH_{2} 8 9.4 39°.99 5°.3/13.5 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.23	− 0 29.1	1.457	2.327	16.4	20.8
7 20	21 32.38	− 0 43.7	1.414	2.347	12.7	20.7
7 30	21 25.67	− 1 21.1	1.392	2.368	8.8	20.5
8 9	21 18.02	− 2 18.3	1.392	2.390	5.7	20.4
8 19	21 10.44	− 3 29.4	1.418	2.412	5.9	20.4
8 29	21 4.01	− 4 46.8	1.468	2.434	8.9	20.7
9 8	20 59.54	− 6 2.9	1.542	2.457	12.4	20.9
9 18	20 57.50	− 7 11.7	1.636	2.480	15.6	21.2

24719 1991 SE_1 8 9.4 317°.76 4°.2/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 38.99	−21 1.4	1.268	2.193	14.5	18.0
7 20	21 34.34	−22 22.8	1.205	2.179	10.2	17.8
7 30	21 27.05	−23 50.6	1.164	2.166	5.9	17.5
8 9	21 18.08	−25 14.8	1.147	2.153	4.4	17.4
8 19	21 8.78	−26 25.1	1.153	2.141	8.1	17.5
8 29	21 0.67	−27 14.3	1.183	2.129	12.7	17.8
9 8	20 55.07	−27 39.4	1.233	2.118	17.1	18.0
9 18	20 52.72	−27 41.3	1.299	2.108	20.8	18.2

75636 2000 AE_{53} 8 9.4 51°.56 4°.0/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 41.79	− 6 8.9	1.337	2.226	16.4	18.4
7 20	21 35.81	− 5 55.7	1.284	2.234	12.3	18.1
7 30	21 27.58	− 6 0.1	1.253	2.242	7.8	17.9
8 9	21 18.11	− 6 19.8	1.245	2.251	4.3	17.7
8 19	21 8.64	− 6 50.4	1.261	2.260	5.6	17.8
8 29	21 0.45	− 7 26.5	1.302	2.269	9.7	18.1
9 8	20 54.57	− 8 2.2	1.366	2.278	13.9	18.4
9 18	20 51.56	− 8 33.1	1.449	2.288	17.5	18.6

36100 1999 RC_{114} 8 9.4 28°.58 3°.9/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.83	− 3 49.4	1.983	2.849	12.9	18.0
7 20	21 32.57	− 3 42.0	1.918	2.852	9.8	17.8
7 30	21 25.74	− 3 48.9	1.876	2.856	6.6	17.6
8 9	21 18.04	− 4 8.6	1.859	2.859	4.1	17.5
8 19	21 10.27	− 4 38.4	1.869	2.863	4.7	17.5
8 29	21 3.29	− 5 14.3	1.906	2.867	7.6	17.7
9 8	20 57.84	− 5 51.9	1.967	2.871	10.7	17.9
9 18	20 54.42	− 6 27.4	2.051	2.876	13.6	18.1

65636 1979 ME_1 8 9.4 329°.65 3°.8/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.51	− 8 5.6	1.154	2.058	17.3	18.8
7 20	21 35.40	− 7 42.7	1.088	2.047	13.0	18.5
7 30	21 27.60	− 7 36.6	1.043	2.037	8.1	18.2
8 9	21 18.12	− 7 45.5	1.019	2.027	4.0	17.9
8 19	21 8.34	− 8 5.8	1.018	2.019	6.0	18.0
8 29	20 59.81	− 8 32.0	1.040	2.010	11.0	18.3
9 8	20 53.85	− 8 58.2	1.082	2.003	15.9	18.5
9 18	20 51.21	− 9 19.4	1.142	1.997	20.2	18.8

237575 2001 DW_{49} 8 9.4 201°.11 5°.4/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 44.24	−30 17.4	2.091	2.990	10.9	20.4
7 20	21 37.16	−31 8.3	2.033	2.987	8.1	20.2
7 30	21 28.19	−31 53.2	2.001	2.984	5.9	20.0
8 9	21 18.14	−32 25.8	1.995	2.981	5.6	20.0
8 19	21 8.05	−32 41.7	2.016	2.976	7.5	20.1
8 29	20 58.97	−32 39.2	2.063	2.972	10.2	20.3
9 8	20 51.80	−32 19.1	2.134	2.967	12.9	20.5
9 18	20 47.07	−31 43.9	2.224	2.962	15.3	20.6

345449 2006 EB_{23} 8 9.4 13°.36 7°.3/ 7.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 45.78	−31 34.3	1.056	1.981	16.7	18.9
7 20	21 39.02	−31 31.3	1.020	1.988	12.5	18.7
7 30	21 29.29	−31 13.9	1.004	1.996	8.7	18.5
8 9	21 18.18	−30 35.5	1.009	2.007	7.4	18.5
8 19	21 7.54	−29 34.1	1.037	2.019	9.8	18.6
8 29	20 59.07	−28 12.2	1.087	2.032	13.8	18.9
9 8	20 53.85	−26 35.9	1.157	2.047	17.6	19.2
9 18	20 52.24	−24 51.4	1.244	2.064	20.9	19.5

164835 1999 TS_{67} 8 9.4 8°.35 0°.5/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.53	−14 45.9	1.444	2.355	14.0	20.0
7 20	21 33.53	−15 20.3	1.388	2.356	9.8	19.7
7 30	21 26.41	−16 4.1	1.355	2.357	5.1	19.4
8 9	21 18.08	−16 51.3	1.346	2.359	0.5	19.1
8 19	21 9.68	−17 35.9	1.362	2.362	5.0	19.5
8 29	21 2.41	−18 12.5	1.403	2.365	9.7	19.7
9 8	20 57.26	−18 37.5	1.466	2.369	13.8	20.0
9 18	20 54.80	−18 49.5	1.549	2.373	17.2	20.2

339229 2004 TD_{367} 8 9.4 321°.36 2°.8/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.08	− 8 29.7	1.376	2.276	15.4	20.5
7 20	21 33.48	− 8 29.1	1.299	2.257	11.4	20.2
7 30	21 26.54	− 8 44.2	1.243	2.238	6.9	19.9
8 9	21 18.09	− 9 12.5	1.210	2.220	3.0	19.7
8 19	21 9.26	− 9 49.6	1.201	2.202	5.2	19.7
8 29	21 1.39	−10 29.9	1.216	2.186	10.0	20.0
9 8	20 55.64	−11 7.4	1.253	2.170	14.6	20.2
9 18	20 52.79	−11 37.7	1.309	2.154	18.6	20.4

480714 2015 RN_{228} 8 9.4 268°.29 0°.6/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.21	−15 55.5	2.423	3.319	9.7	21.3
7 20	21 32.04	−16 28.4	2.347	3.308	6.8	21.1
7 30	21 25.46	−17 6.5	2.296	3.297	3.5	20.8
8 9	21 18.05	−17 46.2	2.272	3.286	0.6	20.6
8 19	21 10.50	−18 23.7	2.277	3.275	3.6	20.8
8 29	21 3.55	−18 55.8	2.310	3.263	7.0	21.0
9 8	20 57.90	−19 20.0	2.369	3.252	10.0	21.2
9 18	20 54.02	−19 35.1	2.449	3.240	12.6	21.3

514425 2016 UR_2 8 9.4 304°.57 2°.1/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 37.89	− 8 15.4	1.795	2.682	13.0	21.6
7 20	21 32.84	− 8 35.7	1.722	2.674	9.5	21.3
7 30	21 26.00	− 9 9.5	1.673	2.666	5.7	21.1
8 9	21 18.07	− 9 53.5	1.648	2.659	2.3	20.9
8 19	21 9.96	−10 43.3	1.650	2.651	4.1	21.0
8 29	21 2.66	−11 33.7	1.679	2.644	8.1	21.2
9 8	20 57.04	−12 19.9	1.732	2.637	11.9	21.4
9 18	20 53.68	−12 58.3	1.806	2.630	15.2	21.6

23340 3092 P–L 8 9.4 11°.74 3°.0/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.57	−11 6.2	1.089	2.005	17.2	17.3
7 20	21 34.54	−10 24.2	1.043	2.010	12.5	17.1
7 30	21 27.00	− 9 55.1	1.017	2.016	7.3	16.8
8 9	21 18.11	− 9 37.3	1.013	2.024	3.1	16.6
8 19	21 9.29	− 9 28.0	1.032	2.034	5.6	16.8
8 29	21 2.01	− 9 23.5	1.073	2.045	10.6	17.1
9 8	20 57.33	− 9 19.9	1.135	2.058	15.1	17.4
9 18	20 55.80	− 9 13.8	1.214	2.073	19.0	17.7

102243 1999 TE_{26} 8 9.4 279°.18 7°.6/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 46.54	−31 47.4	1.452	2.362	14.0	18.6
7 20	21 39.53	−32 47.4	1.393	2.350	10.8	18.4
7 30	21 29.71	−33 38.7	1.356	2.339	8.2	18.2
8 9	21 18.22	−34 11.6	1.343	2.327	7.9	18.1
8 19	21 6.57	−34 19.5	1.355	2.316	10.3	18.2
8 29	20 56.39	−34 0.3	1.389	2.304	13.7	18.4
9 8	20 48.95	−33 16.6	1.444	2.293	17.2	18.6
9 18	20 44.93	−32 13.4	1.517	2.281	20.2	18.8

114809 2003 OA_5 8 9.4 317°.16 0°.6/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 35.80	− 9 50.3	1.463	2.367	14.4	19.1
7 20	21 31.81	−10 59.5	1.384	2.347	10.3	18.8
7 30	21 25.65	−12 27.9	1.328	2.328	5.6	18.5
8 9	21 18.07	−14 9.2	1.296	2.310	0.8	18.1
8 19	21 10.08	−15 54.7	1.290	2.292	4.8	18.4
8 29	21 2.94	−17 34.7	1.310	2.274	9.9	18.6
9 8	20 57.76	−19 1.2	1.352	2.258	14.5	18.8
9 18	20 55.30	−20 9.5	1.413	2.242	18.4	19.1

16308 7627 P–L 8 9.4 332°.11 2°.2/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.82	−18 13.0	1.390	2.310	13.9	18.9
7 20	21 33.27	−19 2.1	1.324	2.297	9.7	18.7
7 30	21 26.40	−19 58.6	1.281	2.284	5.1	18.4
8 9	21 18.10	−20 55.3	1.261	2.273	2.3	18.1
8 19	21 9.54	−21 44.9	1.266	2.262	6.1	18.4
8 29	21 2.06	−22 21.3	1.295	2.251	10.9	18.6
9 8	20 56.80	−22 41.4	1.345	2.242	15.2	18.8
9 18	20 54.43	−22 44.6	1.413	2.233	18.8	19.1

444192 2005 SW_{66} 8 9.4 353°.67 2°.4/ 7.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.30	−20 43.7	1.748	2.660	12.0	21.4
7 20	21 33.85	−21 14.5	1.689	2.657	8.4	21.1
7 30	21 26.50	−21 47.3	1.653	2.654	4.5	20.9
8 9	21 18.10	−22 16.7	1.643	2.653	2.5	20.8
8 19	21 9.63	−22 38.2	1.659	2.651	5.4	21.0
8 29	21 2.16	−22 48.4	1.701	2.650	9.3	21.2
9 8	20 56.58	−22 46.2	1.766	2.650	12.8	21.4
9 18	20 53.42	−22 31.8	1.851	2.650	15.8	21.6

13109 Berzelius 8 9.4 166°.36 3°.4/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 41.64	− 4 35.8	1.965	2.829	13.1	19.0
7 20	21 35.25	− 4 45.5	1.898	2.834	9.8	18.8
7 30	21 27.17	− 5 9.6	1.855	2.838	6.3	18.6
8 9	21 18.13	− 5 46.0	1.838	2.842	3.6	18.4
8 19	21 9.00	− 6 30.9	1.849	2.845	4.5	18.5
8 29	21 0.72	− 7 19.6	1.887	2.847	7.7	18.7
9 8	20 54.08	− 8 7.6	1.951	2.849	11.1	18.9
9 18	20 49.62	− 8 50.9	2.037	2.850	14.1	19.1

17214 2000 AR_{189} 8 9.4 353°.65 6°.6/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 35.10	+ 1 46.4	1.199	2.075	18.8	17.1
7 20	21 31.45	+ 1 22.6	1.136	2.070	15.0	16.9
7 30	21 25.47	+ 0 26.6	1.092	2.067	10.7	16.6
8 9	21 18.06	− 0 59.2	1.068	2.065	7.2	16.4
8 19	21 10.43	− 2 47.8	1.068	2.063	7.1	16.4
8 29	21 3.91	− 4 48.0	1.091	2.062	10.6	16.6
9 8	20 59.65	− 6 47.4	1.136	2.062	14.8	16.9
9 18	20 58.33	− 8 35.9	1.200	2.063	18.8	17.1

373730 2002 SL_{64} 8 9.4 341°.39 2°.1/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 36.17	−16 17.1	1.083	2.013	16.0	20.1
7 20	21 32.52	−17 22.1	1.025	2.001	11.2	19.8
7 30	21 26.15	−18 40.0	0.986	1.991	5.8	19.4
8 9	21 18.09	−20 1.5	0.969	1.982	2.1	19.2
8 19	21 9.74	−21 16.2	0.975	1.974	6.9	19.4
8 29	21 2.70	−22 15.0	1.003	1.967	12.4	19.7
9 8	20 58.30	−22 52.8	1.051	1.961	17.3	20.0
9 18	20 57.25	−23 8.3	1.115	1.957	21.4	20.2

171709 2000 TC_{45} 8 9.4 322°.70 3°.8/ 7.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 38.31	−19 46.8	1.087	2.018	15.9	19.6
7 20	21 34.18	−20 58.6	1.023	2.000	11.2	19.2
7 30	21 27.12	−22 19.6	0.979	1.983	6.2	18.9
8 9	21 18.14	−23 39.4	0.958	1.967	4.0	18.7
8 19	21 8.71	−24 46.8	0.959	1.952	8.2	18.9
8 29	21 0.61	−25 33.3	0.981	1.937	13.6	19.2
9 8	20 55.28	−25 55.2	1.023	1.924	18.5	19.4
9 18	20 53.58	−25 52.8	1.080	1.911	22.7	19.7

472688 2015 EG_{64} 8 9.4 93°.44 4°.8/ 6.1 17

7 10	21 43.66	−26 18.4	1.692	2.602	12.4	21.2
7 20	21 36.88	−27 18.1	1.652	2.616	8.9	21.0
7 30	21 28.05	−28 13.8	1.636	2.630	5.8	20.8
8 9	21 18.18	−28 58.3	1.646	2.643	5.0	20.8
8 19	21 8.42	−29 26.5	1.682	2.657	7.4	21.0
8 29	20 59.94	−29 35.9	1.743	2.670	10.7	21.2
9 8	20 53.64	−29 27.2	1.827	2.683	13.8	21.4
9 18	20 50.01	−29 2.8	1.930	2.696	16.4	21.7

434690 2006 BA_{71} 8 9.4 155°.33 2°.3/ 7.9 17

7 10	21 43.71	−21 13.6	1.974	2.875	11.4	21.6
7 20	21 36.71	−21 41.2	1.917	2.880	7.9	21.4
7 30	21 27.93	−22 9.4	1.885	2.885	4.3	21.2
8 9	21 18.18	−22 33.3	1.880	2.890	2.3	21.0
8 19	21 8.44	−22 49.1	1.904	2.894	5.1	21.2
8 29	20 59.73	−22 54.2	1.954	2.898	8.7	21.5
9 8	20 52.85	−22 48.0	2.029	2.901	11.9	21.7
9 18	20 48.31	−22 31.2	2.125	2.904	14.7	21.9

470875 2009 BX_{11} 8 9.4 254°.03 3°.4/11.7 18

7 10	21 41.77	− 5 41.5	2.141	3.004	12.2	21.2
7 20	21 35.41	− 5 23.3	2.052	2.987	9.2	21.0
7 30	21 27.33	− 5 16.2	1.987	2.969	6.0	20.7
8 9	21 18.17	− 5 19.5	1.948	2.951	3.6	20.5
8 19	21 8.73	− 5 31.3	1.938	2.932	4.5	20.6
8 29	20 59.95	− 5 48.8	1.955	2.913	7.7	20.7
9 8	20 52.64	− 6 8.6	1.998	2.893	11.0	20.9
9 18	20 47.41	− 6 27.6	2.063	2.873	14.0	21.1

371430 2006 SS_{163} 8 9.4 327°.47 2°.7/ 8.0 18

7 10	21 38.68	−19 5.8	1.094	2.024	15.9	20.6
7 20	21 34.42	−19 43.5	1.027	2.003	11.2	20.3
7 30	21 27.24	−20 28.7	0.980	1.984	6.0	19.9
8 9	21 18.16	−21 13.4	0.954	1.966	2.8	19.7
8 19	21 8.65	−21 49.2	0.951	1.948	7.2	19.9
8 29	21 0.44	−22 9.5	0.969	1.932	12.8	20.1
9 8	20 54.98	−22 11.1	1.007	1.917	17.9	20.4
9 18	20 53.12	−21 54.4	1.061	1.903	22.2	20.6

350147 2011 SO_{80} 8 9.4 40°.28 1°.7/10.6 16

7 10	21 38.77	− 9 45.3	1.525	2.422	14.3	20.5
7 20	21 33.48	−10 4.7	1.478	2.436	10.3	20.3
7 30	21 26.30	−10 37.1	1.454	2.451	5.8	20.1
8 9	21 18.13	−11 18.1	1.454	2.466	1.9	19.9
8 19	21 10.02	−12 2.6	1.480	2.481	4.3	20.1
8 29	21 3.04	−12 45.1	1.531	2.497	8.6	20.4
9 8	20 58.04	−13 21.2	1.606	2.514	12.5	20.7
9 18	20 55.51	−13 48.2	1.701	2.530	15.7	20.9

238628 2005 CG_{22} 8 9.4 81°.69 2°.3/ 7.7 18

7 10	21 41.34	−19 56.4	1.833	2.739	11.8	19.9
7 20	21 35.06	−20 45.5	1.792	2.758	8.2	19.7
7 30	21 27.05	−21 36.4	1.776	2.777	4.4	19.6
8 9	21 18.16	−22 23.5	1.786	2.796	2.4	19.5
8 19	21 9.39	−23 1.8	1.824	2.815	5.2	19.7
8 29	21 1.70	−23 27.8	1.888	2.833	8.8	19.9
9 8	20 55.89	−23 40.5	1.976	2.852	12.0	20.2
9 18	20 52.39	−23 40.3	2.085	2.870	14.7	20.4

50781 2000 FO_{16} 8 9.4 173°.81 0°.3/ 9.2 18

7 10	21 38.69	−13 59.1	2.006	2.902	11.4	19.3
7 20	21 33.24	−14 44.8	1.942	2.903	8.0	19.1
7 30	21 26.16	−15 38.5	1.902	2.903	4.1	18.9
8 9	21 18.14	−16 35.5	1.890	2.904	0.3	18.6
8 19	21 10.01	−17 30.6	1.906	2.904	4.0	18.9
8 29	21 2.69	−18 19.1	1.948	2.904	7.8	19.1
9 8	20 56.95	−18 57.9	2.016	2.904	11.3	19.3
9 18	20 53.30	−19 25.2	2.105	2.904	14.1	19.5

275716 2000 YY_{41} 8 9.4 331°.75 5°.8/ 4.6 18

7 10	21 36.01	−23 9.9	1.292	2.222	14.0	18.4
7 20	21 32.31	−25 11.4	1.231	2.206	10.0	18.1
7 30	21 26.05	−27 19.2	1.192	2.190	6.5	17.9
8 9	21 18.14	−29 20.6	1.177	2.176	6.2	17.8
8 19	21 9.83	−31 3.3	1.186	2.162	9.6	18.0
8 29	21 2.62	−32 18.6	1.218	2.149	13.9	18.2
9 8	20 57.81	−33 3.1	1.269	2.138	17.8	18.4
9 18	20 56.19	−33 18.3	1.337	2.127	21.2	18.6

257211 2008 YY_{4} 8 9.4 67°.94 5°.7/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 41.85	−28 11.4	1.719	2.630	12.2	20.0
7 20	21 35.61	−29 31.3	1.687	2.649	8.9	19.9
7 30	21 27.40	−30 45.3	1.679	2.668	6.3	19.7
8 9	21 18.19	−31 45.6	1.697	2.686	5.9	19.8
8 19	21 9.09	−32 26.7	1.741	2.705	8.1	19.9
8 29	21 1.25	−32 46.2	1.810	2.724	11.1	20.2
9 8	20 55.52	−32 45.0	1.900	2.743	13.9	20.4
9 18	20 52.38	−32 25.9	2.009	2.762	16.3	20.6

5127 Bruhns 8 9.4 288°.40 4°.3/12.2 18

7 10	21 39.38	− 3 59.4	1.488	2.367	15.6	17.8
7 20	21 34.31	− 4 4.5	1.408	2.350	12.0	17.5
7 30	21 26.98	− 4 29.6	1.348	2.333	7.9	17.2
8 9	21 18.19	− 5 12.9	1.312	2.316	4.6	17.0
8 19	21 9.01	− 6 10.1	1.301	2.299	5.6	17.0
8 29	21 0.69	− 7 14.7	1.315	2.282	9.7	17.2
9 8	20 54.36	− 8 19.5	1.352	2.265	14.0	17.4
9 18	20 50.78	− 9 18.4	1.409	2.248	17.9	17.6

510707 2012 UY_{178} 8 9.4 208°.33 1°.5/10.7 18

7 10	21 39.20	− 9 5.3	2.123	3.003	11.6	22.2
7 20	21 33.56	− 9 31.6	2.050	2.999	8.4	22.0
7 30	21 26.34	−10 8.8	2.001	2.994	4.9	21.8
8 9	21 18.19	−10 53.8	1.978	2.990	1.7	21.6
8 19	21 9.89	−11 42.5	1.984	2.985	3.6	21.7
8 29	21 2.31	−12 30.5	2.018	2.979	7.3	21.9
9 8	20 56.20	−13 13.9	2.077	2.973	10.6	22.1
9 18	20 52.08	−13 49.9	2.159	2.967	13.6	22.3

312837 2011 UC_{16} 8 9.4 208°.32 0°.8/ 8.8 18

7 10	21 38.79	−15 44.8	2.011	2.910	11.2	20.8
7 20	21 33.33	−16 24.7	1.947	2.910	7.8	20.6
7 30	21 26.23	−17 10.8	1.908	2.909	4.0	20.4
8 9	21 18.19	−17 58.6	1.895	2.908	0.8	20.1
8 19	21 10.05	−18 43.2	1.910	2.908	4.2	20.4
8 29	21 2.72	−19 20.6	1.952	2.907	7.9	20.6
9 8	20 56.98	−19 48.0	2.019	2.906	11.3	20.8
9 18	20 53.36	−20 4.4	2.107	2.905	14.2	21.0

101344 1998 TG_{12} 8 9.4 284°.38 2°.5/11.2 18

7 10	21 38.51	− 7 27.8	1.850	2.732	12.9	19.8
7 20	21 33.32	− 7 42.3	1.771	2.719	9.6	19.5
7 30	21 26.32	− 8 10.4	1.714	2.705	5.8	19.3
8 9	21 18.20	− 8 49.5	1.682	2.691	2.7	19.1
8 19	21 9.83	− 9 35.6	1.678	2.678	4.2	19.1
8 29	21 2.21	−10 23.8	1.700	2.664	8.1	19.3
9 8	20 56.21	−11 9.2	1.746	2.651	11.8	19.5
9 18	20 52.46	−11 48.2	1.814	2.637	15.2	19.7

225932 2002 AT_{170} 8 9.4 283°.98 3°.0/ 7.2 18

7 10	21 40.30	−19 53.1	1.638	2.550	12.6	20.5
7 20	21 34.94	−21 2.5	1.561	2.529	8.9	20.2
7 30	21 27.33	−22 18.3	1.507	2.509	4.9	19.9
8 9	21 18.26	−23 33.1	1.480	2.488	3.1	19.7
8 19	21 8.78	−24 39.0	1.478	2.467	6.5	19.9
8 29	21 0.16	−25 29.7	1.502	2.446	10.7	20.1
9 8	20 53.53	−26 1.9	1.548	2.425	14.7	20.3
9 18	20 49.64	−26 15.4	1.614	2.404	18.1	20.5

218540 2004 VW_{60} 8 9.4 297°.22 3°.3/12.9 18

7 10	21 35.50	− 1 23.6	2.180	3.035	12.3	20.3
7 20	21 31.09	− 2 18.0	2.083	3.011	9.5	20.1
7 30	21 25.13	− 3 32.0	2.009	2.988	6.3	19.9
8 9	21 18.16	− 5 2.8	1.962	2.964	3.7	19.7
8 19	21 10.89	− 6 45.6	1.944	2.941	4.2	19.7
8 29	21 4.13	− 8 33.7	1.954	2.917	7.2	19.8
9 8	20 58.65	−10 20.0	1.990	2.894	10.6	20.0
9 18	20 55.04	−11 58.6	2.051	2.871	13.7	20.1

80864 2000 DZ_{27} 8 9.4 242°.25 0°.6/ 9.0 18

7 10	21 42.68	−15 43.4	1.657	2.558	13.1	19.9
7 20	21 36.41	−16 10.5	1.587	2.550	9.2	19.7
7 30	21 27.99	−16 44.7	1.540	2.541	4.8	19.4
8 9	21 18.29	−17 21.2	1.518	2.532	0.6	19.0
8 19	21 8.37	−17 54.7	1.524	2.523	4.8	19.3
8 29	20 59.44	−18 20.8	1.556	2.513	9.3	19.6
9 8	20 52.52	−18 36.5	1.611	2.503	13.4	19.8
9 18	20 48.26	−18 41.1	1.686	2.493	16.8	20.0

146867 2002 AC_{176} 8 9.4 119°.66 0°.0/ 9.4 18

7 10	21 38.95	−14 21.8	2.250	3.142	10.5	20.3
7 20	21 33.25	−14 43.5	2.189	3.148	7.4	20.1
7 30	21 26.12	−15 11.0	2.153	3.153	3.9	19.9
8 9	21 18.20	−15 40.8	2.145	3.159	0.2	19.6
8 19	21 10.26	−16 9.7	2.165	3.164	3.5	19.9
8 29	21 3.08	−16 34.3	2.212	3.169	7.0	20.1
9 8	20 57.33	−16 52.4	2.285	3.174	10.1	20.4
9 18	20 53.48	−17 2.8	2.381	3.179	12.7	20.5

162635 2000 SS_{164} 8 9.4 257°.36 0°.9/10.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 41.33	−10 9.6	2.584	3.456	10.1	21.8
7 20	21 35.04	−10 47.0	2.478	3.424	7.3	21.6
7 30	21 27.18	−11 34.2	2.398	3.392	4.1	21.3
8 9	21 18.27	−12 28.2	2.346	3.359	1.0	21.0
8 19	21 8.98	−13 25.3	2.325	3.324	3.3	21.2
8 29	21 0.11	−14 21.1	2.333	3.288	6.8	21.3
9 8	20 52.41	−15 12.0	2.369	3.251	10.1	21.5
9 18	20 46.47	−15 55.3	2.429	3.213	12.9	21.6

446218 2013 GA_{56} 8 9.4 127°.44 0°.8/ 8.7 18

7 10	21 38.38	−16 42.1	2.398	3.294	9.8	21.8
7 20	21 32.80	−17 15.1	2.339	3.300	6.8	21.6
7 30	21 25.87	−17 52.2	2.305	3.307	3.5	21.4
8 9	21 18.21	−18 29.6	2.300	3.313	0.8	21.2
8 19	21 10.51	−19 3.6	2.323	3.319	3.7	21.5
8 29	21 3.53	−19 31.3	2.374	3.325	6.9	21.7
9 8	20 57.92	−19 50.8	2.450	3.331	9.8	21.9
9 18	20 54.09	−20 1.1	2.549	3.336	12.3	22.1

3881 Doumergua 8 9.4 253°.50 2°.3/ 7.9 18

7 10	21 42.56	−19 34.1	1.735	2.641	12.4	17.0
7 20	21 36.35	−20 17.2	1.662	2.627	8.7	16.8
7 30	21 28.00	−21 4.5	1.613	2.614	4.7	16.5
8 9	21 18.33	−21 49.9	1.590	2.600	2.3	16.3
8 19	21 8.39	−22 27.6	1.593	2.586	5.6	16.5
8 29	20 59.39	−22 53.3	1.623	2.571	9.8	16.7
9 8	20 52.35	−23 4.9	1.677	2.556	13.6	16.9
9 18	20 47.94	−23 2.3	1.750	2.541	16.9	17.1

339100 2004 RZ_{169} 8 9.4 28°.78 6°.8/14.4 17

7 10	21 37.05	+ 2 3.4	1.353	2.217	17.8	20.5
7 20	21 32.55	+ 2 0.0	1.299	2.224	14.2	20.3
7 30	21 25.98	+ 1 29.2	1.264	2.233	10.3	20.1
8 9	21 18.23	+ 0 32.9	1.251	2.242	7.3	20.0
8 19	21 10.42	− 0 43.6	1.261	2.251	7.2	20.0
8 29	21 3.72	− 2 12.0	1.296	2.261	9.9	20.2
9 8	20 59.12	− 3 42.7	1.353	2.272	13.5	20.4
9 18	20 57.16	− 5 7.8	1.431	2.283	16.9	20.7

107087 2001 AK_{25} 8 9.5 159°.42 2°.2/ 7.8 18

7 10	21 42.72	−18 12.5	1.714	2.619	12.6	20.1
7 20	21 36.32	−19 20.1	1.659	2.624	8.7	19.9
7 30	21 27.91	−20 33.0	1.627	2.629	4.6	19.7
8 9	21 18.34	−21 44.1	1.623	2.633	2.3	19.5
8 19	21 8.68	−22 46.6	1.646	2.637	5.6	19.7
8 29	21 0.07	−23 35.4	1.695	2.641	9.6	20.0
9 8	20 53.45	−24 8.0	1.768	2.643	13.2	20.2
9 18	20 49.41	−24 24.4	1.861	2.646	16.3	20.4

519892 2013 OC_{13} 8 9.5 302°.80 4°.2/ 6.6 18

7 10	21 40.56	−22 11.4	1.399	2.319	13.8	20.5
7 20	21 35.37	−23 22.6	1.333	2.304	9.8	20.3
7 30	21 27.66	−24 37.8	1.289	2.289	5.8	20.0
8 9	21 18.34	−25 47.9	1.269	2.275	4.4	19.9
8 19	21 8.68	−26 44.5	1.275	2.260	7.7	20.0
8 29	21 0.14	−27 21.2	1.303	2.246	12.1	20.3
9 8	20 53.95	−27 36.1	1.353	2.233	16.3	20.5
9 18	20 50.87	−27 30.2	1.421	2.219	19.8	20.7

401238 2012 BW_{9} 8 9.5 227°.69 2°.2/11.7 18

7 10	21 35.92	− 5 55.5	2.365	3.235	10.9	21.0
7 20	21 31.15	− 6 27.0	2.293	3.234	8.1	20.8
7 30	21 25.07	− 7 10.7	2.246	3.233	5.0	20.6
8 9	21 18.22	− 8 3.9	2.225	3.232	2.4	20.5
8 19	21 11.26	− 9 2.9	2.232	3.231	3.4	20.5
8 29	21 4.92	−10 3.2	2.268	3.230	6.5	20.7
9 8	20 59.82	−11 0.6	2.329	3.229	9.5	20.9
9 18	20 56.43	−11 51.7	2.414	3.228	12.1	21.1

295029 2008 EE_{77} 8 9.5 19°.75 1°.1/ 8.6 18

7 10	21 37.47	−16 23.9	1.731	2.640	12.2	20.1
7 20	21 32.57	−17 4.2	1.678	2.645	8.5	19.9
7 30	21 25.90	−17 50.8	1.648	2.651	4.4	19.7
8 9	21 18.25	−18 38.3	1.644	2.657	1.1	19.5
8 19	21 10.58	−19 21.5	1.667	2.664	4.6	19.7
8 29	21 3.88	−19 55.9	1.715	2.672	8.6	20.0
9 8	20 58.96	−20 18.9	1.786	2.680	12.2	20.2
9 18	20 56.33	−20 29.6	1.878	2.688	15.2	20.5

48543 1993 TJ_{14} 8 9.5 358°.44 6°.7/ 5.5 18 R

7 10	21 41.90	−30 2.0	1.416	2.335	13.8	17.1
7 20	21 36.15	−30 51.6	1.368	2.332	10.3	16.9
7 30	21 27.93	−31 33.4	1.341	2.330	7.4	16.7
8 9	21 18.35	−31 59.3	1.338	2.329	6.9	16.7
8 19	21 8.78	−32 3.8	1.359	2.329	9.3	16.8
8 29	21 0.64	−31 44.9	1.403	2.329	12.7	17.0
9 8	20 55.02	−31 4.9	1.467	2.331	16.1	17.2
9 18	20 52.48	−30 7.6	1.549	2.333	19.0	17.5

322031 2010 VZ_{26} 8 9.5 316°.16 5°.3/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 37.11	+ 0 46.8	2.154	2.996	12.9	20.2
7 20	21 32.12	+ 1 4.0	2.076	2.989	10.3	20.0
7 30	21 25.64	+ 1 5.0	2.021	2.983	7.6	19.8
8 9	21 18.27	+ 0 50.1	1.991	2.977	5.6	19.7
8 19	21 10.73	+ 0 21.2	1.988	2.971	5.7	19.7
8 29	21 3.85	− 0 18.3	2.011	2.965	7.8	19.8
9 8	20 58.33	− 1 3.6	2.058	2.959	10.5	20.0
9 18	20 54.70	− 1 50.3	2.129	2.953	13.1	20.2

426668 2013 TV_{8} 8 9.5 232°.29 3°.6/ 7.3 17

7 10	21 44.95	−23 15.5	1.592	2.501	13.1	20.8
7 20	21 38.09	−23 52.6	1.530	2.496	9.3	20.5
7 30	21 28.92	−24 29.2	1.492	2.491	5.4	20.3
8 9	21 18.41	−24 58.8	1.480	2.486	3.7	20.2
8 19	21 7.79	−25 15.8	1.493	2.480	6.7	20.3
8 29	20 58.37	−25 17.2	1.532	2.475	10.7	20.6
9 8	20 51.22	−25 2.8	1.594	2.469	14.5	20.8
9 18	20 46.97	−24 34.4	1.675	2.463	17.7	21.0

507494 2012 UG_{67} 8 9.5 245°.53 7°.5/ 2.8 18

7 10	21 43.06	−34 34.6	1.941	2.841	11.6	21.3
7 20	21 36.72	−36 1.5	1.887	2.833	9.2	21.2
7 30	21 28.20	−37 19.7	1.858	2.826	7.7	21.0
8 9	21 18.39	−38 20.9	1.854	2.818	7.9	21.0
8 19	21 8.39	−38 59.3	1.876	2.809	9.8	21.1
8 29	20 59.44	−39 12.3	1.921	2.801	12.3	21.3
9 8	20 52.56	−39 1.2	1.988	2.792	14.8	21.4
9 18	20 48.38	−38 29.5	2.072	2.784	17.0	21.6

125582 2001 XQ_{25} 8 9.5 168°.89 5°.7/ 4.5 18

7 10	21 42.60	−28 42.6	1.894	2.801	11.5	19.8
7 20	21 36.26	−30 9.9	1.845	2.804	8.5	19.7
7 30	21 27.90	−31 32.9	1.820	2.806	6.2	19.5
8 9	21 18.37	−32 43.6	1.822	2.808	6.0	19.5
8 19	21 8.74	−33 35.6	1.850	2.809	8.2	19.6
8 29	21 0.13	−34 5.8	1.904	2.810	11.1	19.8
9 8	20 53.51	−34 14.3	1.980	2.811	13.9	20.0
9 18	20 49.43	−34 3.5	2.075	2.811	16.3	20.2

523127 2016 SS_{53} 8 9.5 217°.61 2°.3/ 7.7 18

7 10	21 40.46	−20 23.3	2.003	2.907	11.0	21.8
7 20	21 34.58	−21 6.6	1.940	2.905	7.7	21.6
7 30	21 26.96	−21 52.4	1.901	2.902	4.2	21.4
8 9	21 18.33	−22 35.2	1.890	2.899	2.4	21.3
8 19	21 9.60	−23 10.4	1.906	2.896	5.1	21.4
8 29	21 1.74	−23 34.6	1.948	2.893	8.7	21.6
9 8	20 55.56	−23 46.0	2.015	2.889	11.9	21.8
9 18	20 51.61	−23 44.7	2.103	2.886	14.7	22.0

35927 1999 JN_{106} 8 9.5 178°.65 1°.1/10.2 18

7 10	21 42.76	−10 35.4	1.586	2.478	14.2	19.5
7 20	21 36.46	−11 7.6	1.523	2.479	10.1	19.2
7 30	21 28.04	−11 52.7	1.482	2.480	5.6	19.0
8 9	21 18.39	−12 45.8	1.467	2.480	1.3	18.7
8 19	21 8.59	−13 41.1	1.479	2.480	4.5	18.9
8 29	20 59.85	−14 32.6	1.518	2.480	9.1	19.2
9 8	20 53.16	−15 15.7	1.580	2.479	13.2	19.4
9 18	20 49.13	−15 47.7	1.662	2.477	16.6	19.7

385563 2004 TR_{160} 8 9.5 243°.08 4°.6/12.9 16

7 10	21 39.29	− 1 47.4	1.849	2.707	14.0	22.1
7 20	21 33.85	− 1 48.0	1.773	2.701	10.8	21.9
7 30	21 26.63	− 2 6.2	1.720	2.695	7.5	21.7
8 9	21 18.33	− 2 40.7	1.692	2.689	4.9	21.5
8 19	21 9.82	− 3 28.3	1.690	2.682	5.4	21.5
8 29	21 2.10	− 4 23.9	1.714	2.675	8.3	21.7
9 8	20 56.01	− 5 21.8	1.763	2.668	11.7	21.9
9 18	20 52.15	− 6 16.9	1.834	2.661	14.8	22.1

204507 2005 CE_{65} 8 9.5 115°.54 1°.8/ 8.1 18

7 10	21 40.05	−18 18.9	1.841	2.747	11.8	20.3
7 20	21 34.36	−19 7.8	1.783	2.749	8.2	20.1
7 30	21 26.86	−20 1.3	1.750	2.752	4.3	19.9
8 9	21 18.33	−20 53.6	1.743	2.755	1.9	19.7
8 19	21 9.74	−21 39.3	1.763	2.757	5.0	20.0
8 29	21 2.09	−22 14.1	1.810	2.760	8.8	20.2
9 8	20 56.22	−22 35.9	1.881	2.762	12.3	20.4
9 18	20 52.67	−22 44.4	1.972	2.764	15.2	20.6

388198 2006 DR_{139} 8 9.5 288°.83 1°.2/ 8.6 18

7 10	21 40.29	−15 50.4	1.670	2.575	12.8	20.7
7 20	21 34.98	−16 42.9	1.582	2.547	9.1	20.4
7 30	21 27.43	−17 45.7	1.517	2.519	4.7	20.1
8 9	21 18.37	−18 52.8	1.477	2.490	1.2	19.8
8 19	21 8.81	−19 57.2	1.465	2.461	5.3	20.0
8 29	20 59.97	−20 52.4	1.478	2.432	10.0	20.2
9 8	20 53.01	−21 33.9	1.514	2.403	14.3	20.4
9 18	20 48.71	−21 59.7	1.570	2.374	18.0	20.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
522870 2016 NM_{89}			8 9.5 308°.75	1°.0/ 8.9 18		
	h m	° ′			°	m
7 10	21 43.59	−18 10.2	1.613	2.518	13.2	20.7
7 20	21 37.06	−18 11.5	1.546	2.511	9.3	20.5
7 30	21 28.37	−18 16.0	1.502	2.504	4.8	20.2
8 9	21 18.41	−18 19.7	1.483	2.497	1.0	19.9
8 19	21 8.32	−18 18.8	1.492	2.490	4.9	20.2
8 29	20 59.34	−18 10.6	1.526	2.483	9.4	20.4
9 8	20 52.48	−17 54.2	1.583	2.477	13.5	20.6
9 18	20 48.35	−17 29.5	1.660	2.471	16.9	20.9
106153 2000 TM_{57}			8 9.5 279°.18	4°.1/ 5.7 18		
7 10	21 39.17	−25 3.3	2.138	3.046	10.3	19.2
7 20	21 33.79	−26 14.2	2.064	3.028	7.4	19.0
7 30	21 26.62	−27 25.4	2.015	3.009	4.8	18.8
8 9	21 18.33	−28 30.6	1.993	2.991	4.3	18.8
8 19	21 9.77	−29 24.1	1.999	2.972	6.5	18.9
8 29	21 1.92	−30 1.7	2.030	2.953	9.6	19.0
9 8	20 55.64	−30 21.8	2.086	2.934	12.6	19.2
9 18	20 51.56	−30 25.0	2.161	2.915	15.2	19.3
511028 2013 QD_{66}			8 9.5 308°.07	1°.5/10.3 18		
7 10	21 39.75	−10 58.0	1.257	2.165	15.9	21.9
7 20	21 35.04	−11 11.7	1.175	2.139	11.6	21.6
7 30	21 27.64	−11 40.9	1.113	2.113	6.6	21.3
8 9	21 18.39	−12 21.9	1.074	2.087	1.7	20.9
8 19	21 8.54	−13 8.8	1.059	2.061	5.4	21.0
8 29	20 59.65	−13 54.6	1.067	2.036	11.0	21.3
9 8	20 53.10	−14 33.0	1.096	2.012	16.3	21.5
9 18	20 49.83	−14 59.9	1.143	1.988	20.8	21.7
287119 2002 RD_{177}			8 9.5 295°.18	2°.6/11.4 18		
7 10	21 38.41	− 7 12.7	1.811	2.693	13.1	20.8
7 20	21 33.30	− 7 24.9	1.734	2.682	9.8	20.6
7 30	21 26.37	− 7 51.0	1.680	2.671	6.0	20.3
8 9	21 18.33	− 8 28.4	1.652	2.661	2.8	20.1
8 19	21 10.07	− 9 13.2	1.650	2.650	4.3	20.2
8 29	21 2.59	−10 0.4	1.675	2.640	8.1	20.4
9 8	20 56.76	−10 45.1	1.723	2.629	11.9	20.6
9 18	20 53.19	−11 23.6	1.794	2.619	15.2	20.8
282241 2002 CE_{314}			8 9.5 148°.94	1°.9/11.0 17		
7 10	21 40.37	− 7 55.4	2.013	2.889	12.3	21.7
7 20	21 34.40	− 8 21.7	1.950	2.896	8.9	21.5
7 30	21 26.83	− 9 0.0	1.911	2.903	5.3	21.3
8 9	21 18.35	− 9 47.0	1.899	2.910	2.1	21.1
8 19	21 9.82	−10 38.3	1.916	2.916	3.8	21.2
8 29	21 2.11	−11 29.3	1.959	2.921	7.4	21.4
9 8	20 55.99	−12 15.7	2.029	2.926	10.8	21.6
9 18	20 51.95	−12 54.7	2.120	2.931	13.7	21.9
322384 2011 QR_{17}			8 9.5 332°.54	1°.7/10.7 18		
7 10	21 37.55	− 9 18.3	1.631	2.526	13.7	20.4
7 20	21 32.82	− 9 42.5	1.562	2.518	9.9	20.1
7 30	21 26.15	−10 20.6	1.515	2.511	5.7	19.9
8 9	21 18.33	−11 8.8	1.493	2.504	1.9	19.6
8 19	21 10.31	−12 1.8	1.496	2.498	4.3	19.7
8 29	21 3.19	−12 54.0	1.526	2.492	8.6	20.0
9 8	20 57.88	−13 40.2	1.579	2.487	12.6	20.2
9 18	20 54.99	−14 16.8	1.652	2.482	16.1	20.4
99521 2002 EB_{34}			8 9.5 355°.13	2°.7/11.6 18		
7 10	21 33.55	− 4 31.2	1.243	2.142	16.7	18.3
7 20	21 30.39	− 5 45.4	1.181	2.137	12.4	18.1
7 30	21 25.01	− 7 26.8	1.138	2.133	7.5	17.8
8 9	21 18.28	− 9 28.6	1.119	2.130	3.0	17.5
8 19	21 11.32	−11 40.1	1.125	2.128	4.9	17.6
8 29	21 5.41	−13 48.9	1.155	2.127	9.9	17.9
9 8	21 1.64	−15 44.0	1.207	2.128	14.6	18.2
9 18	21 0.69	−17 18.4	1.279	2.130	18.6	18.4
264015 2009 PS_{7}			8 9.5 28°.96	1°.5/10.9 18		
7 10	21 35.72	− 8 5.7	2.010	2.894	11.9	19.7
7 20	21 31.19	− 8 53.2	1.948	2.900	8.6	19.6
7 30	21 25.16	− 9 53.5	1.911	2.905	5.0	19.3
8 9	21 18.28	−11 2.5	1.899	2.911	1.7	19.1
8 19	21 11.33	−12 14.8	1.915	2.917	3.6	19.3
8 29	21 5.13	−13 25.1	1.959	2.923	7.2	19.5
9 8	21 0.39	−14 28.4	2.028	2.930	10.6	19.7
9 18	20 57.59	−15 21.5	2.119	2.936	13.5	19.9
444056 2004 RG_{129}			8 9.5 3°.36	2°.3/ 7.9 18		
7 10	21 41.11	−21 50.8	2.013	2.918	11.0	20.8
7 20	21 34.98	−22 8.1	1.953	2.917	7.7	20.6
7 30	21 27.15	−22 25.4	1.917	2.918	4.2	20.4
8 9	21 18.39	−22 38.5	1.909	2.918	2.4	20.3
8 19	21 9.62	−22 44.0	1.927	2.918	5.0	20.5
8 29	21 1.79	−22 39.7	1.973	2.919	8.4	20.7
9 8	20 55.67	−22 25.1	2.042	2.920	11.6	20.9
9 18	20 51.77	−22 0.9	2.133	2.921	14.4	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
359942 2011 YQ_{61}			8 9.5 272°.64	0°.4/ 9.1 18		
	h m	° ′			°	m
7 10	21 36.98	−13 55.8	2.200	3.095	10.6	20.5
7 20	21 32.08	−14 49.8	2.125	3.086	7.4	20.3
7 30	21 25.67	−15 52.1	2.076	3.077	3.9	20.1
8 9	21 18.33	−16 58.1	2.054	3.067	0.4	19.8
8 19	21 10.81	−18 2.7	2.060	3.058	3.8	20.1
8 29	21 3.94	−19 1.1	2.094	3.049	7.5	20.3
9 8	20 58.45	−19 49.8	2.153	3.040	10.7	20.5
9 18	20 54.87	−20 26.7	2.235	3.031	13.5	20.6
147049 2002 RP_{87}			8 9.5 292°.56	1°.3/10.3 18		
7 10	21 39.46	−10 1.5	1.438	2.338	14.8	19.9
7 20	21 34.49	−10 37.1	1.362	2.322	10.8	19.6
7 30	21 27.19	−11 28.9	1.308	2.307	6.1	19.3
8 9	21 18.41	−12 32.0	1.279	2.292	1.5	18.9
8 19	21 9.26	−13 39.8	1.275	2.277	4.8	19.1
8 29	21 1.04	−14 44.9	1.295	2.262	9.8	19.4
9 8	20 54.92	−15 40.9	1.339	2.247	14.4	19.6
9 18	20 51.64	−16 23.9	1.401	2.232	18.4	19.8
178053 2006 SV_{11}			8 9.5 0°.25	2°.0/10.4 18		
7 10	21 41.55	−11 14.2	1.202	2.110	16.5	19.4
7 20	21 36.04	−11 6.4	1.145	2.109	11.9	19.1
7 30	21 27.98	−11 11.8	1.109	2.108	6.8	18.9
8 9	21 18.45	−11 26.8	1.095	2.107	2.1	18.6
8 19	21 8.80	−11 46.9	1.105	2.108	5.3	18.8
8 29	21 0.51	−12 6.9	1.139	2.109	10.5	19.1
9 8	20 54.74	−12 22.2	1.194	2.110	15.2	19.3
9 18	20 52.13	−12 30.1	1.268	2.113	19.1	19.6
513378 2008 FS_{73}			8 9.5 56°.28	0°.9/ 8.7 18		
7 10	21 38.12	−16 23.4	2.040	2.941	11.0	21.4
7 20	21 32.84	−17 4.0	1.986	2.950	7.6	21.2
7 30	21 26.02	−17 49.8	1.956	2.958	3.9	21.0
8 9	21 18.36	−18 36.2	1.953	2.966	1.0	20.8
8 19	21 10.67	−19 18.6	1.978	2.975	4.1	21.0
8 29	21 3.83	−19 53.3	2.030	2.984	7.7	21.3
9 8	20 58.55	−20 17.9	2.107	2.993	10.9	21.5
9 18	20 55.29	−20 31.5	2.205	3.002	13.7	21.7
78307 2002 PS_{63}			8 9.5 339°.39	2°.4/ 8.4 18		
7 10	21 43.47	−20 30.0	1.177	2.098	15.7	18.8
7 20	21 37.57	−20 36.3	1.117	2.090	11.1	18.5
7 30	21 28.86	−20 44.5	1.079	2.082	5.9	18.2
8 9	21 18.49	−20 48.6	1.063	2.075	2.4	18.0
8 19	21 7.98	−20 43.3	1.072	2.069	6.6	18.2
8 29	20 58.96	−20 25.7	1.103	2.064	11.8	18.5
9 8	20 52.72	−19 55.7	1.154	2.059	16.5	18.8
9 18	20 49.91	−19 14.5	1.224	2.056	20.5	19.0
510171 2011 AU_{48}			8 9.5 311°.22	2°.4/10.3 18		
7 10	21 43.51	−12 4.6	1.243	2.149	16.2	20.9
7 20	21 37.76	−11 30.9	1.160	2.123	11.9	20.6
7 30	21 29.12	−11 6.1	1.098	2.097	6.9	20.2
8 9	21 18.53	−10 48.6	1.059	2.071	2.5	19.9
8 19	21 7.32	−10 36.2	1.044	2.045	5.7	20.0
8 29	20 57.16	−10 25.8	1.052	2.020	11.3	20.2
9 8	20 49.51	−10 14.5	1.081	1.996	16.5	20.5
9 18	20 45.29	− 9 59.8	1.128	1.973	21.0	20.7
327827 2006 WE_{42}			8 9.5 300°.42	4°.1/12.1 17		
7 10	21 39.19	− 4 32.9	1.410	2.294	16.0	20.9
7 20	21 34.27	− 4 41.8	1.336	2.282	12.2	20.7
7 30	21 27.07	− 5 11.2	1.283	2.271	7.9	20.4
8 9	21 18.43	− 5 58.6	1.254	2.259	4.4	20.2
8 19	21 9.46	− 6 59.2	1.249	2.248	5.5	20.2
8 29	21 1.45	− 8 5.9	1.269	2.237	9.8	20.4
9 8	20 55.53	− 9 11.2	1.311	2.226	14.1	20.6
9 18	20 52.42	−10 9.0	1.373	2.216	18.0	20.9
263451 2008 EL_{4}			8 9.5 63°.34	2°.9/11.1 18		
7 10	21 43.01	− 8 35.9	1.396	2.288	15.7	20.3
7 20	21 36.71	− 8 26.1	1.343	2.296	11.5	20.1
7 30	21 28.20	− 8 30.7	1.311	2.304	6.9	19.8
8 9	21 18.47	− 8 46.6	1.303	2.313	3.1	19.6
8 19	21 8.74	− 9 10.1	1.321	2.321	5.0	19.8
8 29	21 0.28	− 9 36.0	1.363	2.329	9.4	20.0
9 8	20 54.08	−10 0.0	1.428	2.338	13.6	20.3
9 18	20 50.72	−10 18.5	1.514	2.347	17.1	20.6
239355 2007 RD_{174}			8 9.5 6°.11	3°.2/ 7.3 18		
7 10	21 39.88	−21 20.4	1.556	2.471	12.9	20.2
7 20	21 34.53	−22 12.1	1.502	2.472	9.0	20.0
7 30	21 27.07	−23 6.1	1.471	2.472	5.1	19.7
8 9	21 18.42	−23 55.3	1.465	2.473	3.3	19.6
8 19	21 9.70	−24 33.6	1.485	2.475	6.4	19.8
8 29	21 2.11	−24 56.9	1.530	2.476	10.4	20.1
9 8	20 56.62	−25 3.6	1.597	2.479	14.0	20.3
9 18	20 53.79	−24 54.5	1.683	2.482	17.1	20.5

79283 1995 SN_{42} 8 9.5 256°.87 2°.0/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 43.30	−18 35.8	1.694	2.598	12.7	20.3
7 20	21 37.01	−19 18.9	1.616	2.581	8.9	20.0
7 30	21 28.47	−20 7.6	1.561	2.563	4.8	19.7
8 9	21 18.50	−20 55.7	1.533	2.544	2.0	19.5
8 19	21 8.18	−21 37.2	1.532	2.526	5.6	19.7
8 29	20 58.76	−22 7.2	1.556	2.506	10.0	19.9
9 8	20 51.34	−22 23.1	1.605	2.487	14.0	20.1
9 18	20 46.63	−22 24.7	1.672	2.466	17.4	20.3

144068 2004 BO_{45} 8 9.5 204°.15 1°.7/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.06	− 9 46.5	1.850	2.732	12.9	20.4
7 20	21 36.52	−10 0.3	1.777	2.727	9.4	20.1
7 30	21 28.07	−10 25.2	1.728	2.723	5.4	19.9
8 9	21 18.48	−10 58.1	1.706	2.717	1.8	19.7
8 19	21 8.72	−11 34.9	1.711	2.711	4.1	19.8
8 29	20 59.82	−12 11.1	1.743	2.704	8.2	20.0
9 8	20 52.70	−12 42.9	1.801	2.697	12.0	20.3
9 18	20 47.96	−13 7.6	1.880	2.689	15.2	20.5

346604 2008 WY_{42} 8 9.5 14°.00 5°.1/ 6.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.68	−25 14.3	1.384	2.306	13.8	19.9
7 20	21 35.28	−26 12.6	1.338	2.308	9.9	19.7
7 30	21 27.51	−27 8.8	1.314	2.312	6.2	19.5
8 9	21 18.45	−27 54.4	1.315	2.316	5.2	19.5
8 19	21 9.39	−28 23.0	1.339	2.321	8.0	19.6
8 29	21 1.69	−28 31.0	1.387	2.326	11.9	19.9
9 8	20 56.39	−28 18.9	1.456	2.332	15.5	20.1
9 18	20 54.05	−27 49.2	1.543	2.339	18.6	20.3

6266 Letzel 8 9.5 15°.24 3°.2/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 35.65	− 6 35.8	0.946	1.863	19.1	15.8
7 20	21 32.18	− 7 5.5	0.902	1.867	14.0	15.5
7 30	21 26.04	− 8 0.5	0.876	1.873	8.5	15.3
8 9	21 18.39	− 9 14.7	0.870	1.880	3.6	15.0
8 19	21 10.69	−10 38.3	0.885	1.889	5.7	15.2
8 29	21 4.49	−12 0.3	0.922	1.899	11.1	15.5
9 8	21 0.99	−13 11.3	0.979	1.911	16.2	15.8
9 18	21 0.77	−14 5.6	1.053	1.923	20.4	16.1

370532 2003 SS_{335} 8 9.5 105°.56 2°.5/ 7.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.80	−18 15.3	1.451	2.362	14.0	21.1
7 20	21 36.60	−19 25.2	1.404	2.373	9.7	20.8
7 30	21 28.17	−20 40.8	1.381	2.383	5.1	20.6
8 9	21 18.50	−21 53.8	1.383	2.393	2.6	20.5
8 19	21 8.82	−22 56.4	1.411	2.403	6.1	20.7
8 29	21 0.42	−23 43.0	1.464	2.413	10.5	21.0
9 8	20 54.32	−24 11.5	1.539	2.422	14.4	21.3
9 18	20 51.07	−24 22.3	1.633	2.432	17.6	21.5

509141 2006 BF_{35} 8 9.5 247°.70 1°.1/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 44.45	−12 11.8	2.090	2.970	11.7	23.2
7 20	21 37.45	−12 8.1	2.000	2.951	8.4	22.9
7 30	21 28.58	−12 11.4	1.935	2.931	4.7	22.7
8 9	21 18.53	−12 19.3	1.898	2.911	1.2	22.4
8 19	21 8.18	−12 29.0	1.890	2.889	3.9	22.5
8 29	20 58.54	−12 37.8	1.910	2.868	7.8	22.7
9 8	20 50.50	−12 43.2	1.955	2.845	11.5	22.9
9 18	20 44.70	−12 43.7	2.023	2.822	14.7	23.1

137774 1999 XP_{217} 8 9.5 267°.94 0°.0/ 9.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.25	−13 53.7	1.592	2.492	13.6	20.9
7 20	21 36.33	−14 20.4	1.513	2.475	9.7	20.6
7 30	21 28.15	−14 57.0	1.458	2.459	5.2	20.3
8 9	21 18.51	−15 38.8	1.428	2.442	0.3	19.9
8 19	21 8.53	−16 20.1	1.424	2.424	4.8	20.2
8 29	20 59.46	−16 55.8	1.446	2.407	9.6	20.4
9 8	20 52.40	−17 21.9	1.491	2.389	13.9	20.7
9 18	20 48.10	−17 36.5	1.556	2.371	17.6	20.9

90369 2003 MN_1 8 9.5 358°.03 5°.9/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 34.99	+ 5 46.7	2.030	2.852	14.3	18.9
7 20	21 30.74	+ 5 4.9	1.954	2.851	11.6	18.7
7 30	21 25.00	+ 3 58.8	1.900	2.850	8.8	18.6
8 9	21 18.37	+ 2 30.5	1.870	2.850	6.4	18.4
8 19	21 11.61	+ 0 44.7	1.867	2.850	6.0	18.4
8 29	21 5.52	− 1 11.8	1.891	2.850	7.8	18.5
9 8	21 0.83	− 3 10.7	1.942	2.850	10.6	18.7
9 18	20 58.06	− 5 4.7	2.017	2.851	13.4	18.9

128979 2004 TU_{178} 8 9.5 289°.01 1°.4/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.50	−10 12.1	1.636	2.530	13.7	20.4
7 20	21 34.27	−10 37.2	1.562	2.519	9.9	20.1
7 30	21 27.00	−11 15.5	1.511	2.508	5.6	19.8
8 9	21 18.47	−12 2.9	1.485	2.497	1.6	19.5
8 19	21 9.69	−12 54.4	1.485	2.486	4.4	19.7
8 29	21 1.78	−13 44.1	1.510	2.475	8.9	20.0
9 8	20 55.74	−14 27.2	1.560	2.464	13.0	20.2
9 18	20 52.22	−15 0.3	1.630	2.454	16.5	20.4

357431 2003 YP_{138} 8 9.5 230°.22 2°.2/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 39.14	−19 5.8	2.203	3.104	10.3	20.7
7 20	21 33.68	−20 19.8	2.131	3.095	7.2	20.5
7 30	21 26.57	−21 38.6	2.086	3.086	3.9	20.3
8 9	21 18.46	−22 56.2	2.068	3.077	2.3	20.2
8 19	21 10.13	−24 6.9	2.080	3.067	5.0	20.3
8 29	21 2.47	−25 5.9	2.118	3.057	8.4	20.5
9 8	20 56.28	−25 50.3	2.182	3.047	11.5	20.7
9 18	20 52.12	−26 19.4	2.267	3.036	14.2	20.9

166616 2002 RE_{275} 8 9.5 298°.70 1°.1/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.57	−16 34.2	1.772	2.677	12.2	20.4
7 20	21 34.18	−17 14.3	1.705	2.671	8.5	20.2
7 30	21 26.90	−18 1.1	1.662	2.664	4.4	19.9
8 9	21 18.49	−18 49.1	1.645	2.658	1.1	19.7
8 19	21 9.91	−19 33.1	1.655	2.652	4.7	19.9
8 29	21 2.23	−20 8.3	1.691	2.646	8.9	20.2
9 8	20 56.35	−20 31.9	1.750	2.640	12.6	20.4
9 18	20 52.85	−20 42.9	1.830	2.635	15.8	20.6

346579 2008 VJ_{60} 8 9.5 175°.27 9°.7/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.82	−39 30.4	1.844	2.736	12.4	19.9
7 20	21 37.54	−41 34.9	1.806	2.736	10.6	19.7
7 30	21 28.81	−43 25.3	1.794	2.737	9.7	19.7
8 9	21 18.59	−44 51.8	1.806	2.737	10.3	19.7
8 19	21 8.15	−45 48.0	1.842	2.737	12.1	19.8
8 29	20 58.91	−46 11.9	1.899	2.737	14.2	20.0
9 8	20 52.03	−46 6.2	1.976	2.737	16.3	20.1
9 18	20 48.18	−45 35.7	2.068	2.737	18.1	20.3

475829 2007 BF_4 8 9.5 161°.03 0°.6/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.87	−17 14.0	2.389	3.282	10.0	21.1
7 20	21 34.62	−17 24.7	2.325	3.284	6.9	20.9
7 30	21 26.95	−17 38.4	2.286	3.287	3.6	20.7
8 9	21 18.51	−17 52.0	2.276	3.289	0.6	20.5
8 19	21 10.04	−18 2.8	2.294	3.291	3.6	20.7
8 29	21 2.32	−18 8.4	2.340	3.293	6.9	20.9
9 8	20 56.03	−18 7.7	2.412	3.295	9.9	21.1
9 18	20 51.61	−18 0.0	2.507	3.296	12.4	21.3

449021 2012 BJ_{136} 8 9.5 211°.12 1°.6/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.88	−19 47.3	2.419	3.316	9.7	21.8
7 20	21 33.97	−20 11.8	2.352	3.314	6.7	21.6
7 30	21 26.64	−20 38.0	2.310	3.311	3.6	21.4
8 9	21 18.50	−21 2.2	2.297	3.308	1.6	21.2
8 19	21 10.28	−21 21.2	2.312	3.304	4.1	21.4
8 29	21 2.78	−21 32.6	2.355	3.301	7.2	21.6
9 8	20 56.68	−21 35.0	2.423	3.297	10.1	21.8
9 18	20 52.43	−21 28.4	2.513	3.294	12.6	21.9

440833 2006 RB_{116} 8 9.5 285°.16 0°.8/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.77	−11 52.5	1.961	2.852	11.8	21.6
7 20	21 33.47	−12 16.1	1.889	2.846	8.5	21.3
7 30	21 26.48	−12 49.1	1.841	2.839	4.6	21.1
8 9	21 18.49	−13 27.8	1.819	2.832	0.9	20.8
8 19	21 10.35	−14 8.1	1.825	2.826	3.8	21.0
8 29	21 2.97	−14 45.6	1.858	2.819	7.7	21.2
9 8	20 57.17	−15 16.9	1.915	2.813	11.3	21.5
9 18	20 53.50	−15 39.7	1.994	2.806	14.4	21.7

429491 2011 AL_{44} 8 9.5 192°.02 0°.1/ 9.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.28	−13 52.2	1.903	2.796	12.1	22.3
7 20	21 35.96	−14 29.5	1.836	2.794	8.5	22.0
7 30	21 27.80	−15 14.9	1.793	2.793	4.5	21.8
8 9	21 18.56	−16 3.8	1.776	2.790	0.2	21.4
8 19	21 9.18	−16 51.2	1.788	2.787	4.2	21.8
8 29	21 0.67	−17 32.5	1.827	2.784	8.2	22.0
9 8	20 53.90	−18 4.4	1.891	2.779	11.9	22.2
9 18	20 49.45	−18 25.4	1.976	2.775	15.0	22.4

310085 2010 ML_{92} 8 9.5 49°.70 4°.4/13.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.30	− 2 9.4	1.786	2.650	14.2	20.4
7 20	21 33.04	− 2 12.2	1.737	2.668	10.8	20.2
7 30	21 26.18	− 2 32.5	1.711	2.688	7.4	20.0
8 9	21 18.49	− 3 7.9	1.709	2.707	4.7	19.9
8 19	21 10.84	− 3 54.6	1.733	2.727	5.1	20.0
8 29	21 4.14	− 4 47.3	1.784	2.747	7.9	20.2
9 8	20 59.12	− 5 40.6	1.859	2.767	11.0	20.4
9 18	20 56.24	− 6 29.9	1.956	2.787	13.9	20.7

321041 2008 QB_{24} 8 9.5 140°.68 0°.2/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.04	−13 30.8	1.864	2.757	12.3	21.3
7 20	21 35.72	−13 55.7	1.806	2.764	8.7	21.1
7 30	21 27.63	−14 28.3	1.771	2.771	4.6	20.9
8 9	21 18.56	−15 4.5	1.763	2.777	0.4	20.5
8 19	21 9.46	−15 39.9	1.783	2.783	4.0	20.8
8 29	21 1.31	−16 10.4	1.830	2.788	8.1	21.1
9 8	20 54.94	−16 33.3	1.901	2.794	11.6	21.3
9 18	20 50.87	−16 46.9	1.994	2.799	14.6	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
424527 2008 EX_{86}			8 9.5 179.°70		1.°3/10.5 17	
	h m	° ′			°	m
7 10	21 41.85	− 9 29.2	1.874	2.757	12.8	22.0
7 20	21 35.65	−10 6.5	1.807	2.758	9.2	21.8
7 30	21 27.64	−10 56.0	1.764	2.759	5.2	21.6
8 9	21 18.57	−11 53.6	1.747	2.760	1.5	21.3
8 19	21 9.36	−12 53.9	1.759	2.759	3.9	21.5
8 29	21 1.02	−13 51.6	1.798	2.759	8.0	21.7
9 8	20 54.40	−14 42.1	1.862	2.757	11.7	22.0
9 18	20 50.06	−15 22.7	1.947	2.755	14.8	22.2
388734 2007 VF_{261}			8 9.5 1.°52		1.°9/ 8.4 18	
7 10	21 40.54	−19 10.3	1.517	2.430	13.3	20.1
7 20	21 35.03	−19 33.5	1.460	2.429	9.3	19.9
7 30	21 27.40	−20 0.4	1.426	2.429	4.9	19.6
8 9	21 18.56	−20 25.3	1.417	2.429	1.9	19.4
8 19	21 9.67	−20 43.5	1.433	2.430	5.5	19.7
8 29	21 1.94	−20 51.2	1.474	2.431	9.8	19.9
9 8	20 56.33	−20 47.0	1.538	2.433	13.7	20.2
9 18	20 53.41	−20 31.2	1.621	2.436	17.0	20.4
203179 2001 BK_{10}			8 9.5 120.°71		2.°1/ 9.1 17	
7 10	22 1.71	−23 7.4	1.022	1.930	18.8	19.7
7 20	21 50.51	−22 11.5	0.971	1.935	13.4	19.4
7 30	21 35.66	−21 8.0	0.940	1.941	7.2	19.1
8 9	21 18.97	−19 53.2	0.933	1.946	2.1	18.8
8 19	21 2.67	−18 27.5	0.953	1.951	7.0	19.2
8 29	20 48.98	−16 55.1	0.997	1.956	13.0	19.5
9 8	20 39.27	−15 21.5	1.062	1.961	18.2	19.8
9 18	20 34.02	−13 50.5	1.146	1.965	22.4	20.1
157274 2004 RB_{227}			8 9.5 150.°34		0.°3/ 9.2 18	
7 10	21 38.78	−15 29.2	2.513	3.404	9.6	20.5
7 20	21 33.13	−15 50.5	2.449	3.408	6.7	20.3
7 30	21 26.18	−16 16.3	2.411	3.411	3.5	20.1
8 9	21 18.51	−16 43.4	2.401	3.415	0.3	19.8
8 19	21 10.80	−17 8.7	2.420	3.418	3.3	20.1
8 29	21 3.77	−17 29.6	2.467	3.421	6.5	20.3
9 8	20 58.02	−17 44.2	2.540	3.424	9.4	20.5
9 18	20 53.99	−17 51.4	2.636	3.427	11.8	20.7
20930 2130 $T\text{-}_{1}$			8 9.5 288.°91		1.°0/ 8.9 18	
7 10	21 42.60	−16 8.0	1.350	2.262	14.8	18.7
7 20	21 36.95	−16 38.1	1.275	2.243	10.5	18.3
7 30	21 28.66	−17 17.5	1.222	2.224	5.5	18.0
8 9	21 18.65	−18 0.0	1.192	2.206	1.0	17.7
8 19	21 8.20	−18 38.9	1.188	2.187	5.7	17.9
8 29	20 58.83	−19 8.3	1.207	2.168	11.0	18.2
9 8	20 51.82	−19 24.6	1.248	2.149	15.8	18.4
9 18	20 48.01	−19 26.6	1.308	2.131	19.9	18.6
64935 2001 YJ_{114}			8 9.5 170.°30		1.°9/11.0 18	
7 10	21 40.45	− 8 5.4	1.879	2.759	12.8	19.9
7 20	21 34.65	− 8 34.5	1.813	2.762	9.4	19.7
7 30	21 27.12	− 9 16.6	1.771	2.764	5.5	19.5
8 9	21 18.57	−10 8.1	1.755	2.765	2.1	19.3
8 19	21 9.91	−11 4.3	1.766	2.767	4.0	19.4
8 29	21 2.09	−11 59.8	1.805	2.768	7.8	19.6
9 8	20 55.95	−12 50.1	1.868	2.768	11.4	19.9
9 18	20 52.02	−13 31.8	1.954	2.768	14.5	20.1
224962 Michaelgrünewald			8 9.5 248.°84		1.°8/10.9 18	
7 10	21 39.22	− 7 40.8	1.660	2.547	13.9	20.6
7 20	21 34.05	− 8 27.7	1.589	2.541	10.2	20.4
7 30	21 26.91	− 9 31.2	1.541	2.535	5.9	20.1
8 9	21 18.56	−10 46.6	1.518	2.529	2.0	19.9
8 19	21 9.99	−12 7.6	1.522	2.523	4.3	20.0
8 29	21 2.28	−13 26.8	1.552	2.517	8.6	20.3
9 8	20 56.39	−14 37.9	1.607	2.511	12.7	20.5
9 18	20 52.95	−15 36.8	1.682	2.505	16.2	20.7
276083 2002 CA_{289}			8 9.5 56.°37		7.°2/ 3.7 18	
7 10	21 41.86	−30 1.5	1.583	2.497	12.9	19.7
7 20	21 36.11	−31 47.1	1.541	2.501	9.7	19.6
7 30	21 28.04	−33 26.5	1.522	2.505	7.5	19.4
8 9	21 18.62	−34 49.6	1.529	2.509	7.5	19.5
8 19	21 9.10	−35 48.8	1.560	2.513	9.8	19.6
8 29	21 0.81	−36 20.5	1.615	2.518	12.9	19.8
9 8	20 54.83	−36 25.8	1.690	2.522	15.8	20.0
9 18	20 51.76	−36 8.1	1.783	2.527	18.3	20.2
236445 2006 DC_{207}			8 9.5 4.°41		7.°4/15.7 17	
7 10	21 35.24	+ 5 7.7	1.446	2.294	17.7	20.0
7 20	21 31.38	+ 4 50.7	1.381	2.293	14.4	19.8
7 30	21 25.53	+ 4 3.5	1.335	2.293	11.0	19.6
8 9	21 18.51	+ 2 47.5	1.311	2.295	8.1	19.5
8 19	21 11.30	+ 1 7.9	1.311	2.296	7.6	19.4
8 29	21 5.06	− 0 46.3	1.335	2.299	9.9	19.6
9 8	21 0.72	− 2 44.4	1.383	2.302	13.2	19.8
9 18	20 58.90	− 4 36.8	1.451	2.306	16.6	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
446207 2013 GD_{24}			8 9.5 24.°18		4.°1/13.1 18	
	h m	° ′			°	m
7 10	21 36.93	− 1 52.3	2.121	2.977	12.5	20.8
7 20	21 32.04	− 1 55.1	2.053	2.979	9.7	20.7
7 30	21 25.69	− 2 13.3	2.007	2.981	6.7	20.5
8 9	21 18.51	− 2 45.4	1.987	2.983	4.4	20.4
8 19	21 11.24	− 3 28.3	1.994	2.986	4.7	20.4
8 29	21 4.67	− 4 17.8	2.028	2.989	7.2	20.5
9 8	20 59.49	− 5 9.2	2.087	2.991	10.2	20.7
9 18	20 56.19	− 5 58.2	2.168	2.994	12.9	20.9
423051 2003 UY_{266}			8 9.5 279.°14		2.°5/ 7.9 18	
7 10	21 42.96	−18 59.5	1.461	2.373	13.9	21.2
7 20	21 37.12	−19 47.3	1.385	2.353	9.8	20.9
7 30	21 28.73	−20 41.8	1.330	2.333	5.3	20.6
8 9	21 18.68	−21 35.7	1.301	2.312	2.5	20.4
8 19	21 8.18	−22 21.7	1.298	2.291	6.3	20.6
8 29	20 58.68	−22 53.9	1.319	2.271	11.2	20.8
9 8	20 51.45	−23 9.3	1.361	2.250	15.6	21.0
9 18	20 47.29	−23 7.9	1.423	2.229	19.4	21.2
70557 1999 TF_{141}			8 9.5 208.°62		8.°0/ 2.9 18	
7 10	21 46.97	−38 27.9	2.092	2.978	11.5	19.6
7 20	21 39.39	−39 32.4	2.042	2.974	9.5	19.4
7 30	21 29.66	−40 24.4	2.016	2.969	8.2	19.4
8 9	21 18.72	−40 56.8	2.015	2.965	8.3	19.4
8 19	21 7.74	−41 5.3	2.040	2.960	9.9	19.4
8 29	20 57.95	−40 49.0	2.089	2.954	12.0	19.6
9 8	20 50.34	−40 10.4	2.159	2.949	14.2	19.7
9 18	20 45.46	−39 13.9	2.247	2.942	16.2	19.9
191072 2002 CT_{177}			8 9.5 252.°10		0.°5/ 9.2 17	
7 10	21 40.74	−14 41.1	1.744	2.645	12.6	21.0
7 20	21 35.08	−15 19.5	1.674	2.637	8.9	20.7
7 30	21 27.44	−16 6.5	1.628	2.630	4.6	20.5
8 9	21 18.62	−16 56.9	1.608	2.622	0.5	20.1
8 19	21 9.58	−17 45.3	1.615	2.614	4.5	20.4
8 29	21 1.45	−18 26.5	1.648	2.606	8.9	20.7
9 8	20 55.14	−18 57.1	1.705	2.597	12.7	20.9
9 18	20 51.28	−19 15.5	1.782	2.589	16.0	21.1
508764 2017 UQ_{42}			8 9.5 310.°75		1.°4/ 8.7 17	
7 10	21 39.17	−15 14.8	1.143	2.065	16.0	20.8
7 20	21 34.89	−16 9.3	1.070	2.043	11.4	20.5
7 30	21 27.74	−17 18.6	1.017	2.022	6.0	20.1
8 9	21 18.65	−18 34.7	0.987	2.000	1.4	19.8
8 19	21 9.00	−19 47.9	0.980	1.980	6.5	20.0
8 29	21 0.46	−20 48.7	0.996	1.960	12.3	20.3
9 8	20 54.53	−21 31.1	1.031	1.941	17.6	20.5
9 18	20 52.10	−21 52.7	1.083	1.922	22.1	20.8
369257 2009 HY_{96}			8 9.5 48.°34		5.°9/14.9 18	
7 10	21 37.43	+ 5 17.9	1.215	2.071	19.9	20.0
7 20	21 33.08	+ 3 41.7	1.162	2.085	15.7	19.8
7 30	21 26.47	+ 1 26.4	1.128	2.099	11.0	19.6
8 9	21 18.58	− 1 20.9	1.117	2.114	6.9	19.4
8 19	21 10.63	− 4 27.1	1.131	2.129	6.4	19.4
8 29	21 3.92	− 7 35.4	1.172	2.144	9.9	19.6
9 8	20 59.48	−10 30.1	1.238	2.160	14.2	19.9
9 18	20 57.91	−13 0.8	1.324	2.176	18.1	20.2
479794 2014 FS_{5}			8 9.5 48.°27		2.°5/ 7.6 18	
7 10	21 40.10	−20 8.1	1.785	2.694	11.9	21.2
7 20	21 34.51	−20 58.2	1.731	2.698	8.3	21.0
7 30	21 27.08	−21 51.2	1.701	2.702	4.5	20.8
8 9	21 18.62	−22 40.9	1.698	2.707	2.6	20.7
8 19	21 10.11	−23 22.0	1.721	2.711	5.5	20.9
8 29	21 2.59	−23 50.5	1.769	2.716	9.2	21.1
9 8	20 56.92	−24 4.8	1.842	2.721	12.6	21.3
9 18	20 53.62	−24 5.1	1.934	2.726	15.5	21.6
463980 2014 WN_{40}			8 9.5 295.°25		4.°0/ 7.5 17	
7 10	21 45.02	−22 33.3	1.235	2.154	15.3	21.1
7 20	21 38.77	−23 13.9	1.175	2.145	10.9	20.8
7 30	21 29.65	−23 55.8	1.136	2.136	6.3	20.5
8 9	21 18.78	−24 30.6	1.120	2.128	4.1	20.4
8 19	21 7.68	−24 50.9	1.128	2.119	7.7	20.5
8 29	20 58.03	−24 52.6	1.160	2.111	12.5	20.8
9 8	20 51.15	−24 35.3	1.212	2.102	17.0	21.0
9 18	20 47.76	−24 1.5	1.281	2.094	20.8	21.3
74714 1999 RP_{157}			8 9.5 350.°46		0.°4/ 9.3 18	
7 10	21 36.20	−12 4.6	1.082	2.004	16.7	18.7
7 20	21 32.63	−13 15.6	1.025	1.998	11.8	18.4
7 30	21 26.43	−14 45.6	0.989	1.993	6.2	18.1
8 9	21 18.62	−16 25.5	0.975	1.989	0.4	17.6
8 19	21 10.55	−18 4.1	0.984	1.985	5.9	18.0
8 29	21 3.76	−19 30.4	1.015	1.983	11.6	18.3
9 8	20 59.52	−20 36.9	1.067	1.982	16.6	18.6
9 18	20 58.54	−21 20.5	1.136	1.983	20.8	18.9

188737 2005 UU_{115} 8 9.5 317°.26 4°.4/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 40.60	−26 54.1	2.023	2.931	10.8	19.8
7 20	21 34.82	−27 42.0	1.964	2.926	7.8	19.7
7 30	21 27.25	−28 26.9	1.929	2.921	5.2	19.5
8 9	21 18.66	−29 3.0	1.920	2.916	4.6	19.4
8 19	21 9.98	−29 25.8	1.938	2.911	6.7	19.6
8 29	21 2.21	−29 32.6	1.981	2.907	9.7	19.7
9 8	20 56.19	−29 23.4	2.048	2.903	12.6	19.9
9 18	20 52.45	−28 59.6	2.135	2.899	15.1	20.1

240251 2002 UH_{61} 8 9.5 335°.24 9°.9/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 35.32	+ 8 0.6	1.474	2.305	18.3	19.5
7 20	21 31.57	+ 8 35.6	1.397	2.291	15.6	19.3
7 30	21 25.75	+ 8 41.7	1.338	2.277	12.8	19.1
8 9	21 18.59	+ 8 16.7	1.300	2.263	10.6	18.9
8 19	21 11.09	+ 7 21.4	1.284	2.251	10.0	18.9
8 29	21 4.43	+ 6 1.3	1.290	2.240	11.6	18.9
9 8	20 59.64	+ 4 25.4	1.318	2.230	14.4	19.1
9 18	20 57.44	+ 2 43.9	1.366	2.221	17.5	19.2

316387 2010 TD_{35} 8 9.5 298°.89 5°.3/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 41.24	−29 55.0	2.091	2.996	10.7	20.6
7 20	21 35.28	−30 47.2	2.032	2.989	8.0	20.4
7 30	21 27.50	−31 34.2	1.997	2.982	5.8	20.2
8 9	21 18.68	−32 9.9	1.989	2.976	5.5	20.2
8 19	21 9.76	−32 29.9	2.007	2.969	7.4	20.3
8 29	21 1.76	−32 32.0	2.051	2.963	10.1	20.5
9 8	20 55.53	−32 16.5	2.117	2.957	12.8	20.6
9 18	20 51.61	−31 45.5	2.204	2.951	15.1	20.8

511251 2014 BD_{48} 8 9.5 248°.04 0°.7/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 44.99	−17 11.1	2.069	2.960	11.3	22.1
7 20	21 37.92	−17 19.6	1.984	2.942	8.0	21.9
7 30	21 28.93	−17 31.7	1.923	2.923	4.2	21.6
8 9	21 18.76	−17 43.8	1.890	2.904	0.7	21.3
8 19	21 8.32	−17 52.4	1.886	2.884	4.2	21.6
8 29	20 58.65	−17 55.0	1.910	2.863	8.2	21.8
9 8	20 50.66	−17 49.9	1.960	2.842	11.8	21.9
9 18	20 44.98	−17 36.8	2.031	2.820	14.9	22.1

248390 2005 SK_{23} 8 9.5 349°.29 0°.6/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 36.73	−15 8.3	1.510	2.423	13.4	19.7
7 20	21 32.45	−15 42.8	1.446	2.415	9.4	19.4
7 30	21 26.14	−16 26.4	1.405	2.408	4.9	19.2
8 9	21 18.61	−17 13.6	1.388	2.402	0.6	18.8
8 19	21 10.92	−17 58.5	1.397	2.397	4.9	19.1
8 29	21 4.21	−18 35.6	1.430	2.393	9.4	19.4
9 8	20 59.46	−19 1.3	1.485	2.390	13.5	19.6
9 18	20 57.27	−19 13.9	1.560	2.388	17.0	19.9

471138 2010 EY_{69} 8 9.5 235°.20 5°.9/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 41.13	+ 2 16.7	2.187	3.014	13.2	21.3
7 20	21 35.11	+ 2 37.5	2.098	3.000	10.7	21.1
7 30	21 27.42	+ 2 41.4	2.032	2.986	8.1	20.9
8 9	21 18.69	+ 2 28.2	1.992	2.971	6.2	20.7
8 19	21 9.68	+ 1 59.4	1.978	2.956	6.2	20.7
8 29	21 1.27	+ 1 18.2	1.992	2.940	8.2	20.8
9 8	20 54.27	+ 0 29.4	2.031	2.924	11.0	21.0
9 18	20 49.25	− 0 21.9	2.093	2.906	13.7	21.1

93703 2000 VZ_{27} 8 9.5 278°.57 0°.8/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.36	−15 12.1	1.765	2.667	12.4	19.6
7 20	21 34.96	−15 58.9	1.682	2.646	8.8	19.3
7 30	21 27.50	−16 55.1	1.623	2.625	4.6	19.0
8 9	21 18.70	−17 55.3	1.590	2.603	0.8	18.7
8 19	21 9.52	−18 53.4	1.584	2.582	4.8	19.0
8 29	21 1.10	−19 43.5	1.604	2.560	9.2	19.2
9 8	20 54.45	−20 21.8	1.648	2.538	13.3	19.4
9 18	20 50.28	−20 46.2	1.712	2.516	16.7	19.6

435655 2008 SY_{269} 8 9.5 160°.61 7°.3/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.86	+ 6 17.2	1.888	2.706	15.4	20.8
7 20	21 33.59	+ 6 24.3	1.817	2.708	12.7	20.6
7 30	21 26.62	+ 6 8.1	1.768	2.709	9.9	20.4
8 9	21 18.65	+ 5 28.6	1.741	2.711	7.8	20.3
8 19	21 10.53	+ 4 28.5	1.740	2.712	7.4	20.3
8 29	21 3.20	+ 3 13.1	1.765	2.714	9.1	20.4
9 8	20 57.46	+ 1 49.6	1.815	2.715	11.7	20.6
9 18	20 53.87	+ 0 25.0	1.886	2.715	14.4	20.8

113841 2002 TO_{236} 8 9.5 344°.98 6°.4/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.75	− 1 12.5	1.567	2.432	15.7	18.3
7 20	21 34.49	− 0 27.2	1.497	2.425	12.5	18.0
7 30	21 27.21	− 0 0.1	1.449	2.420	9.1	17.8
8 9	21 18.69	+ 0 8.2	1.424	2.415	6.7	17.7
8 19	21 9.96	− 0 1.1	1.423	2.410	7.0	17.7
8 29	21 2.16	− 0 24.4	1.447	2.406	9.7	17.8
9 8	20 56.27	− 0 56.0	1.494	2.403	13.2	18.0
9 18	20 52.91	− 1 30.5	1.561	2.401	16.4	18.3

369703 2012 DL_{16} 8 9.5 198°.12 1°.1/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 43.36	−15 41.1	1.822	2.718	12.4	22.1
7 20	21 36.89	−16 35.9	1.754	2.715	8.7	21.9
7 30	21 28.42	−17 38.5	1.711	2.712	4.5	21.6
8 9	21 18.76	−18 42.9	1.694	2.707	1.1	21.4
8 19	21 8.89	−19 42.8	1.706	2.702	4.8	21.6
8 29	20 59.94	−20 33.0	1.744	2.696	8.9	21.9
9 8	20 52.83	−21 10.4	1.808	2.689	12.7	22.1
9 18	20 48.18	−21 33.7	1.891	2.682	15.8	22.3

479225 2013 CF_{180} 8 9.5 129°.67 1°.8/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.74	−20 53.6	2.601	3.496	9.2	21.9
7 20	21 34.47	−21 23.8	2.549	3.509	6.4	21.7
7 30	21 26.91	−21 54.6	2.523	3.522	3.4	21.6
8 9	21 18.68	−22 22.2	2.525	3.534	1.9	21.5
8 19	21 10.47	−22 43.7	2.556	3.546	4.0	21.7
8 29	21 3.01	−22 56.8	2.616	3.557	6.9	21.9
9 8	20 56.90	−23 0.8	2.702	3.568	9.5	22.0
9 18	20 52.55	−22 55.6	2.810	3.579	11.7	22.2

418902 2009 BE_{47} 8 9.5 102°.37 0°.7/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 44.86	−13 7.0	1.346	2.249	15.5	21.1
7 20	21 38.22	−13 16.9	1.293	2.255	11.0	20.8
7 30	21 29.17	−13 37.2	1.261	2.261	5.9	20.5
8 9	21 18.80	−14 3.0	1.254	2.267	0.9	20.2
8 19	21 8.40	−14 29.3	1.272	2.273	4.9	20.5
8 29	20 59.36	−14 51.1	1.315	2.279	9.9	20.8
9 8	20 52.76	−15 5.3	1.380	2.285	14.3	21.1
9 18	20 49.17	−15 10.1	1.465	2.290	18.0	21.4

183132 2002 RS_{202} 8 9.5 206°.78 1°.4/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 44.07	−11 56.5	1.548	2.443	14.3	19.9
7 20	21 37.52	−11 54.5	1.484	2.442	10.3	19.7
7 30	21 28.79	−12 2.3	1.443	2.440	5.7	19.4
8 9	21 18.78	−12 16.7	1.427	2.439	1.5	19.1
8 19	21 8.66	−12 33.8	1.437	2.438	4.5	19.3
8 29	20 59.65	−12 49.7	1.472	2.436	9.1	19.6
9 8	20 52.76	−13 1.0	1.532	2.434	13.3	19.8
9 18	20 48.62	−13 5.8	1.611	2.433	16.8	20.1

452134 2015 PH_{303} 8 9.5 357°.38 5°.8/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.53	−29 27.6	1.802	2.713	11.7	20.5
7 20	21 34.96	−30 26.9	1.751	2.712	8.7	20.3
7 30	21 27.39	−31 20.7	1.723	2.710	6.3	20.1
8 9	21 18.71	−32 2.0	1.721	2.709	6.0	20.1
8 19	21 9.97	−32 25.7	1.744	2.709	8.1	20.2
8 29	21 2.31	−32 29.4	1.792	2.709	11.0	20.4
9 8	20 56.63	−32 13.6	1.862	2.710	13.9	20.6
9 18	20 53.49	−31 40.9	1.950	2.711	16.4	20.8

437609 2014 BA_{13} 8 9.5 302°.89 0°.3/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.21	−14 30.8	1.534	2.440	13.7	21.0
7 20	21 35.00	−15 0.1	1.460	2.425	9.7	20.7
7 30	21 27.56	−15 39.2	1.408	2.410	5.1	20.4
8 9	21 18.73	−16 22.9	1.381	2.395	0.3	20.0
8 19	21 9.58	−17 5.5	1.380	2.380	4.9	20.3
8 29	21 1.38	−17 41.5	1.404	2.366	9.7	20.5
9 8	20 55.20	−18 7.0	1.451	2.352	14.0	20.8
9 18	20 51.75	−18 20.2	1.517	2.338	17.7	21.0

294939 2008 DM_{55} 8 9.5 178°.27 0°.5/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.99	−12 24.3	1.776	2.667	12.9	21.6
7 20	21 36.58	−12 55.3	1.712	2.669	9.2	21.4
7 30	21 28.25	−13 36.0	1.671	2.670	4.9	21.2
8 9	21 18.79	−14 21.8	1.657	2.670	0.6	20.8
8 19	21 9.21	−15 7.8	1.670	2.670	4.2	21.1
8 29	21 0.58	−15 49.0	1.710	2.670	8.4	21.4
9 8	20 53.82	−16 21.9	1.775	2.669	12.3	21.6
9 18	20 49.49	−16 44.6	1.861	2.667	15.5	21.8

284533 2007 RW_{170} 8 9.5 43°.79 1°.3/10.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.27	− 9 9.3	1.531	2.427	14.3	20.5
7 20	21 33.37	− 9 57.7	1.480	2.438	10.3	20.2
7 30	21 26.56	−11 0.9	1.451	2.449	5.8	20.0
8 9	21 18.70	−12 13.3	1.448	2.461	1.5	19.8
8 19	21 10.81	−13 27.9	1.470	2.472	4.3	20.0
8 29	21 3.97	−14 37.8	1.519	2.485	8.7	20.3
9 8	20 59.07	−15 37.5	1.590	2.497	12.6	20.5
9 18	20 56.62	−16 23.9	1.683	2.510	15.9	20.8

253464 2003 SA_{19} 8 9.5 327°.36 2°.4/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 44.01	−20 15.3	1.153	2.075	15.9	19.9
7 20	21 38.17	−20 25.2	1.091	2.063	11.3	19.6
7 30	21 29.41	−20 37.7	1.049	2.052	6.1	19.2
8 9	21 18.86	−20 46.4	1.030	2.042	2.5	19.0
8 19	21 8.07	−20 45.7	1.035	2.033	6.7	19.2
8 29	20 58.75	−20 32.0	1.062	2.024	12.1	19.5
9 8	20 52.26	−20 4.8	1.110	2.016	16.9	19.7
9 18	20 49.31	−19 25.6	1.175	2.009	21.0	20.0

37627 Lucaparmitano 8 9.5 297°.25 6°.3/ 6.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 46.26	−29 26.7	1.499	2.409	13.7	18.1
7 20	21 39.53	−30 8.4	1.428	2.389	10.2	17.8
7 30	21 30.07	−30 43.8	1.379	2.369	7.2	17.6
8 9	21 18.90	−31 4.6	1.355	2.349	6.5	17.5
8 19	21 7.43	−31 4.5	1.356	2.329	9.0	17.6
8 29	20 57.21	−30 41.0	1.381	2.309	12.8	17.8
9 8	20 49.55	−29 55.7	1.426	2.289	16.6	18.0
9 18	20 45.18	−28 52.9	1.490	2.270	19.9	18.1

256722 2008 AX_{66} 8 9.5 182°.14 0°.9/ 8.9 18

7 10	21 43.02	−15 23.4	1.689	2.589	13.0	21.0
7 20	21 36.71	−16 9.6	1.627	2.590	9.1	20.7
7 30	21 28.36	−17 3.7	1.589	2.590	4.7	20.5
8 9	21 18.81	−17 59.9	1.577	2.590	0.9	20.2
8 19	21 9.12	−18 52.1	1.592	2.589	4.8	20.5
8 29	21 0.45	−19 35.0	1.633	2.588	9.1	20.7
9 8	20 53.74	−20 5.7	1.698	2.587	13.0	21.0
9 18	20 49.60	−20 23.1	1.784	2.585	16.3	21.2

322114 2010 VR_{161} 8 9.6 338°.01 6°.3/14.7 18

7 10	21 37.60	+ 3 34.0	2.153	2.980	13.4	20.6
7 20	21 32.58	+ 3 57.4	2.079	2.977	10.9	20.4
7 30	21 26.07	+ 4 2.9	2.026	2.975	8.5	20.3
8 9	21 18.69	+ 3 50.4	1.998	2.973	6.6	20.2
8 19	21 11.16	+ 3 21.4	1.996	2.970	6.5	20.2
8 29	21 4.29	+ 2 39.4	2.020	2.969	8.1	20.3
9 8	20 58.79	+ 1 49.3	2.069	2.967	10.6	20.4
9 18	20 55.18	+ 0 56.4	2.141	2.965	13.1	20.6

413812 2006 KN_{87} 8 9.6 138°.65 6°.5/ 5.4 17

7 10	21 45.32	−27 39.1	1.375	2.291	14.3	20.7
7 20	21 38.78	−29 0.5	1.328	2.293	10.5	20.5
7 30	21 29.59	−30 17.5	1.304	2.295	7.3	20.3
8 9	21 18.87	−31 19.7	1.305	2.298	6.8	20.3
8 19	21 8.10	−31 59.4	1.329	2.300	9.4	20.5
8 29	20 58.80	−32 13.1	1.377	2.302	13.1	20.7
9 8	20 52.16	−32 2.0	1.446	2.304	16.7	20.9
9 18	20 48.80	−31 30.0	1.532	2.305	19.7	21.1

137691 1999 XC_{62} 8 9.6 331°.45 0°.5/ 9.3 18

7 10	21 36.86	−14 29.7	1.049	1.976	16.6	18.9
7 20	21 33.36	−15 2.3	0.981	1.956	11.9	18.5
7 30	21 27.00	−15 49.4	0.932	1.936	6.3	18.2
8 9	21 18.77	−16 44.3	0.904	1.918	0.6	17.7
8 19	21 10.05	−17 38.6	0.899	1.901	6.1	18.0
8 29	21 2.55	−18 23.8	0.914	1.885	12.2	18.3
9 8	20 57.72	−18 53.8	0.949	1.871	17.6	18.6
9 18	20 56.42	−19 6.0	1.000	1.858	22.1	18.8

472922 2015 GF_{10} 8 9.6 84°.15 2°.6/ 7.4 17

7 10	21 40.80	−17 52.9	1.633	2.541	12.9	20.4
7 20	21 35.12	−19 25.6	1.590	2.557	8.9	20.2
7 30	21 27.49	−21 3.9	1.571	2.573	4.7	20.0
8 9	21 18.78	−22 39.2	1.579	2.588	2.7	19.9
8 19	21 10.06	−24 3.5	1.614	2.604	5.9	20.2
8 29	21 2.43	−25 10.9	1.675	2.619	9.8	20.4
9 8	20 56.80	−25 58.7	1.759	2.634	13.3	20.7
9 18	20 53.69	−26 27.2	1.863	2.649	16.2	20.9

287906 2003 SQ_{433} 8 9.6 87°.23 6°.1/14.1 16

7 10	21 40.17	+ 1 37.9	1.836	2.678	14.8	20.5
7 20	21 34.50	+ 1 57.7	1.774	2.686	11.8	20.3
7 30	21 27.11	+ 1 58.0	1.734	2.694	8.8	20.1
8 9	21 18.77	+ 1 39.2	1.718	2.702	6.5	20.0
8 19	21 10.34	+ 1 4.0	1.728	2.710	6.5	20.0
8 29	21 2.80	+ 0 16.8	1.763	2.718	8.6	20.2
9 8	20 56.93	− 0 36.5	1.823	2.726	11.5	20.4
9 18	20 53.26	− 1 30.4	1.905	2.733	14.3	20.6

452131 2015 OM_{73} 8 9.6 297°.13 3°.5/11.8 17

7 10	21 40.57	− 5 38.9	2.206	3.069	11.8	21.0
7 20	21 34.82	− 5 15.4	2.104	3.039	9.1	20.7
7 30	21 27.36	− 5 2.3	2.027	3.008	6.0	20.5
8 9	21 18.79	− 4 59.1	1.976	2.978	3.7	20.3
8 19	21 9.84	− 5 4.6	1.953	2.947	4.5	20.3
8 29	21 1.41	− 5 16.3	1.957	2.916	7.6	20.4
9 8	20 54.33	− 5 31.2	1.987	2.885	10.9	20.6
9 18	20 49.22	− 5 46.2	2.039	2.854	14.0	20.7

373644 2002 PU_{80} 8 9.6 343°.14 2°.4/ 8.3 17

7 10	21 37.26	−18 16.9	1.005	1.939	16.5	20.2
7 20	21 33.64	−18 54.9	0.947	1.925	11.7	19.9
7 30	21 27.12	−19 41.7	0.908	1.913	6.2	19.6
8 9	21 18.77	−20 28.9	0.890	1.902	2.5	19.3
8 19	21 10.12	−21 7.9	0.893	1.893	7.1	19.6
8 29	21 2.89	−21 31.6	0.918	1.885	12.7	19.8
9 8	20 58.47	−21 36.6	0.961	1.878	17.8	20.1
9 18	20 57.61	−21 23.0	1.021	1.874	22.1	20.4

294613 2008 AW_{23} 8 9.6 117°.62 1°.7/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 45.59	−18 52.6	1.494	2.401	13.9	20.5
7 20	21 38.62	−19 12.8	1.441	2.406	9.7	20.2
7 30	21 29.38	−19 36.3	1.410	2.411	5.1	20.0
8 9	21 18.89	−19 57.6	1.404	2.416	1.7	19.8
8 19	21 8.40	−20 11.9	1.425	2.421	5.5	20.0
8 29	20 59.23	−20 15.8	1.471	2.426	10.0	20.3
9 8	20 52.39	−20 8.3	1.540	2.430	14.0	20.6
9 18	20 48.43	−19 50.1	1.628	2.435	17.3	20.8

439684 2014 JD_{38} 8 9.6 48°.03 3°.5/ 6.5 18

7 10	21 39.13	−23 4.0	1.973	2.882	10.9	20.4
7 20	21 33.82	−24 12.2	1.920	2.885	7.7	20.2
7 30	21 26.77	−25 20.8	1.891	2.889	4.6	20.0
8 9	21 18.75	−26 23.6	1.890	2.893	3.7	19.9
8 19	21 10.65	−27 15.0	1.916	2.897	6.1	20.1
8 29	21 3.44	−27 51.1	1.968	2.901	9.3	20.3
9 8	20 57.91	−28 10.6	2.043	2.905	12.3	20.5
9 18	20 54.59	−28 14.1	2.138	2.909	14.9	20.7

130929 2000 WA_{26} 8 9.6 200°.84 1°.2/10.6 18

7 10	21 41.29	−10 22.6	2.284	3.161	11.0	20.9
7 20	21 35.11	−10 40.8	2.209	3.157	7.9	20.7
7 30	21 27.40	−11 7.8	2.158	3.153	4.5	20.5
8 9	21 18.79	−11 40.8	2.135	3.147	1.4	20.2
8 19	21 10.03	−12 16.3	2.141	3.141	3.4	20.4
8 29	21 1.96	−12 50.8	2.176	3.135	6.9	20.6
9 8	20 55.30	−13 21.1	2.236	3.128	10.2	20.8
9 18	20 50.56	−13 45.0	2.319	3.120	13.0	21.0

355601 2008 CW_{202} 8 9.6 53°.00 0°.8/ 9.0 18

7 10	21 41.66	−17 35.9	1.924	2.824	11.6	20.6
7 20	21 35.45	−17 44.8	1.871	2.834	8.1	20.4
7 30	21 27.56	−17 57.0	1.842	2.843	4.2	20.2
8 9	21 18.80	−18 8.9	1.840	2.853	0.8	19.9
8 19	21 10.08	−18 17.1	1.865	2.863	4.2	20.2
8 29	21 2.35	−18 19.3	1.918	2.874	7.9	20.5
9 8	20 56.38	−18 14.1	1.995	2.884	11.3	20.7
9 18	20 52.61	−18 1.2	2.093	2.895	14.1	20.9

318413 2005 AK_{29} 8 9.6 193°.56 0°.3/ 9.4 17

7 10	21 44.70	−14 46.2	1.658	2.555	13.4	21.5
7 20	21 37.94	−15 12.1	1.593	2.554	9.4	21.3
7 30	21 29.04	−15 45.7	1.551	2.552	5.0	21.0
8 9	21 18.89	−16 22.3	1.536	2.549	0.3	20.6
8 19	21 8.59	−16 56.6	1.547	2.546	4.6	21.0
8 29	20 59.35	−17 24.2	1.585	2.543	9.1	21.2
9 8	20 52.15	−17 42.2	1.647	2.539	13.1	21.5
9 18	20 47.61	−17 49.6	1.729	2.534	16.5	21.7

434561 2005 TH_{147} 8 9.6 243°.30 4°.0/12.7 18

7 10	21 39.38	− 2 32.7	1.734	2.599	14.4	21.8
7 20	21 34.17	− 2 58.0	1.658	2.592	11.1	21.6
7 30	21 27.07	− 3 43.1	1.604	2.584	7.4	21.3
8 9	21 18.80	− 4 45.3	1.575	2.577	4.4	21.1
8 19	21 10.27	− 5 59.8	1.572	2.569	5.0	21.2
8 29	21 2.54	− 7 19.9	1.596	2.561	8.4	21.3
9 8	20 56.53	− 8 38.5	1.645	2.553	12.2	21.5
9 18	20 52.87	− 9 49.9	1.715	2.545	15.6	21.8

191067 2002 CJ_{149} 8 9.6 289°.03 0°.2/ 9.7 18

7 10	21 41.28	−13 50.4	1.615	2.516	13.4	20.4
7 20	21 35.68	−14 10.0	1.540	2.502	9.6	20.2
7 30	21 27.94	−14 38.8	1.487	2.488	5.1	19.9
8 9	21 18.85	−15 12.6	1.460	2.474	0.4	19.5
8 19	21 9.47	−15 46.4	1.459	2.460	4.6	19.8
8 29	21 1.01	−16 15.3	1.484	2.446	9.2	20.0
9 8	20 54.50	−16 35.9	1.532	2.432	13.4	20.2
9 18	20 50.63	−16 46.2	1.600	2.419	17.0	20.4

169920 2002 SQ_{14} 8 9.6 35°.65 1°.8/10.9 16 R

7 10	21 37.47	− 7 57.7	1.447	2.343	15.0	18.9
7 20	21 32.88	− 8 46.1	1.400	2.357	10.8	18.7
7 30	21 26.34	− 9 51.2	1.375	2.371	6.2	18.4
8 9	21 18.76	−11 7.1	1.375	2.386	2.0	18.2
8 19	21 11.18	−12 26.3	1.400	2.402	4.4	18.4
8 29	21 4.72	−13 41.3	1.450	2.418	8.8	18.7
9 8	21 0.23	−14 46.2	1.524	2.435	12.8	19.0
9 18	20 58.24	−15 37.3	1.618	2.453	16.1	19.3

505536 2013 YC_{57} 8 9.6 182°.50 3°.1/ 6.8 18

7 10	21 42.95	−23 57.8	2.401	3.298	9.8	22.6
7 20	21 36.26	−24 48.7	2.340	3.299	6.9	22.5
7 30	21 28.01	−25 38.8	2.304	3.300	4.2	22.3
8 9	21 18.86	−26 23.1	2.297	3.299	3.2	22.2
8 19	21 9.62	−26 57.4	2.319	3.298	5.3	22.4
8 29	21 1.15	−27 19.0	2.368	3.296	8.2	22.5
9 8	20 54.20	−27 27.0	2.443	3.294	10.9	22.7
9 18	20 49.27	−27 22.3	2.539	3.290	13.3	22.9

286677 2002 EJ_{145} 8 9.6 139°.89 1°.2/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 45.88	−17 10.8	1.599	2.500	13.5	21.3
7 20	21 38.71	−17 41.6	1.546	2.509	9.4	21.1
7 30	21 29.40	−18 17.7	1.517	2.518	4.9	20.8
8 9	21 18.94	−18 53.1	1.513	2.526	1.2	20.6
8 19	21 8.48	−19 22.9	1.537	2.534	5.0	20.9
8 29	20 59.25	−19 42.9	1.587	2.541	9.4	21.2
9 8	20 52.22	−19 51.5	1.660	2.548	13.3	21.4
9 18	20 47.93	−19 48.5	1.754	2.554	16.5	21.6

38523 1999 TY_{279} 8 9.6 193°.77 4°.3/ 5.9 18

7 10	21 41.39	−28 0.4	2.304	3.205	9.9	19.1
7 20	21 35.24	−28 43.9	2.246	3.204	7.2	18.9
7 30	21 27.48	−29 23.5	2.215	3.204	4.9	18.8
8 9	21 18.84	−29 54.1	2.210	3.203	4.4	18.7
8 19	21 10.15	−30 12.0	2.233	3.202	6.2	18.9
8 29	21 2.31	−30 15.1	2.282	3.201	8.9	19.0
9 8	20 56.06	−30 3.7	2.356	3.200	11.5	19.2
9 18	20 51.89	−29 39.0	2.450	3.199	13.7	19.4

230403 2002 JV_{121} 8 9.6 29°.09 1°.4/10.8 18

7 10	21 36.57	− 7 6.8	1.409	2.306	15.3	19.0
7 20	21 32.37	− 8 26.2	1.357	2.314	11.0	18.8
7 30	21 26.14	−10 5.6	1.326	2.323	6.3	18.5
8 9	21 18.77	−11 57.3	1.321	2.333	1.7	18.3
8 19	21 11.31	−13 51.6	1.341	2.344	4.5	18.5
8 29	21 4.92	−15 38.9	1.387	2.355	9.2	18.8
9 8	21 0.52	−17 11.4	1.456	2.366	13.4	19.1
9 18	20 58.69	−18 24.9	1.546	2.378	16.9	19.3

358477 2007 PV_{25} 8 9.6 18°.36 3°.5/ 8.1 17

7 10	21 42.28	−21 11.7	0.901	1.836	17.8	19.9
7 20	21 37.14	−21 36.6	0.863	1.842	12.5	19.6
7 30	21 28.86	−22 3.7	0.844	1.848	6.8	19.4
8 9	21 18.92	−22 24.1	0.845	1.856	3.6	19.2
8 19	21 9.12	−22 31.0	0.868	1.865	7.8	19.5
8 29	21 1.29	−22 20.9	0.911	1.876	13.2	19.8
9 8	20 56.67	−21 53.9	0.973	1.887	18.0	20.2
9 18	20 55.76	−21 12.6	1.051	1.900	21.9	20.5

200248 1999 VY_{137} 8 9.6 244°.22 13°.1/24.3 18

7 10	21 53.66	−55 19.6	2.158	2.975	13.7	20.1
7 20	21 45.22	−57 14.8	2.124	2.963	13.1	20.1
7 30	21 33.32	−58 46.3	2.112	2.950	13.2	20.0
8 9	21 19.19	−59 45.3	2.120	2.936	13.9	20.1
8 19	21 4.65	−60 7.0	2.149	2.922	15.0	20.1
8 29	20 51.76	−59 51.5	2.195	2.908	16.3	20.2
9 8	20 42.14	−59 4.0	2.257	2.894	17.6	20.3
9 18	20 36.59	−57 51.4	2.331	2.879	18.7	20.4

337390 2001 QP_{151} 8 9.6 287°.79 2°.5/ 9.9 12 C

7 10	21 55.87	−15 18.8	1.041	1.946	18.7	20.1
7 20	21 46.97	−13 52.0	0.970	1.932	13.7	19.8
7 30	21 34.33	−12 24.9	0.919	1.917	7.8	19.4
8 9	21 19.26	−10 57.8	0.891	1.903	2.6	19.0
8 19	21 3.73	− 9 33.0	0.888	1.889	6.8	19.2
8 29	20 49.95	− 8 13.2	0.910	1.875	13.1	19.5
9 8	20 39.68	− 7 0.3	0.952	1.861	18.8	19.8
9 18	20 33.79	− 5 54.4	1.011	1.847	23.5	20.1

157158 2004 PO_{28} 8 9.6 323°.56 0°.4/ 9.3 18

7 10	21 39.62	−14 44.7	1.382	2.294	14.5	20.0
7 20	21 34.77	−15 13.4	1.313	2.280	10.3	19.7
7 30	21 27.56	−15 52.4	1.265	2.268	5.4	19.4
8 9	21 18.88	−16 36.2	1.242	2.256	0.4	19.0
8 19	21 9.91	−17 18.5	1.243	2.244	5.2	19.4
8 29	21 1.99	−17 53.3	1.269	2.233	10.2	19.6
9 8	20 56.27	−18 16.7	1.316	2.223	14.8	19.9
9 18	20 53.46	−18 26.8	1.382	2.213	18.6	20.1

186802 2004 EA_{58} 8 9.6 169°.69 2°.0/ 8.1 18

7 10	21 41.64	−17 20.2	1.581	2.489	13.3	20.0
7 20	21 35.90	−18 26.4	1.523	2.490	9.2	19.8
7 30	21 28.03	−19 39.8	1.488	2.491	4.8	19.6
8 9	21 18.91	−20 52.9	1.480	2.491	2.1	19.4
8 19	21 9.63	−21 58.5	1.498	2.492	5.6	19.6
8 29	21 1.42	−22 50.5	1.541	2.492	9.9	19.9
9 8	20 55.27	−23 25.9	1.608	2.493	13.8	20.1
9 18	20 51.79	−23 44.4	1.694	2.493	17.1	20.3

326235 2012 DO_{18} 8 9.6 213°.97 1°.4/ 8.5 18

7 10	21 41.28	−20 7.4	2.501	3.396	9.5	20.8
7 20	21 35.01	−20 18.2	2.432	3.393	6.6	20.6
7 30	21 27.33	−20 29.9	2.390	3.390	3.5	20.4
8 9	21 18.87	−20 39.3	2.376	3.387	1.4	20.2
8 19	21 10.36	−20 43.8	2.390	3.384	3.9	20.4
8 29	21 2.56	−20 41.5	2.433	3.380	7.0	20.6
9 8	20 56.15	−20 31.6	2.501	3.377	9.8	20.8
9 18	20 51.57	−20 14.2	2.592	3.373	12.3	20.9

313324 2002 EQ_{158} 8 9.6 251°.84 0°.6/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 38.24	−11 41.7	2.371	3.255	10.4	22.2
7 20	21 33.03	−12 12.0	2.290	3.243	7.4	22.0
7 30	21 26.36	−12 50.6	2.234	3.231	4.1	21.8
8 9	21 18.82	−13 34.4	2.205	3.218	0.7	21.5
8 19	21 11.09	−14 19.7	2.205	3.205	3.3	21.7
8 29	21 3.95	−15 2.6	2.233	3.192	6.8	21.9
9 8	20 58.09	−15 39.8	2.287	3.179	10.0	22.1
9 18	20 54.01	−16 9.2	2.364	3.166	12.7	22.2

315191 2007 PH_{22} 8 9.6 313°.72 0°.2/ 9.7 18

7 10	21 38.19	−11 49.6	1.117	2.035	16.7	20.4
7 20	21 34.27	−12 41.6	1.044	2.014	12.0	20.0
7 30	21 27.54	−13 53.3	0.991	1.994	6.5	19.7
8 9	21 18.90	−15 18.0	0.960	1.974	0.4	19.2
8 19	21 9.69	−16 45.6	0.953	1.955	5.9	19.5
8 29	21 1.58	−18 5.7	0.967	1.936	11.9	19.8
9 8	20 56.01	−19 9.8	1.002	1.919	17.3	20.0
9 18	20 53.92	−19 53.7	1.053	1.902	21.9	20.3

21948 1999 VY_{149} 8 9.6 22°.33 0°.2/ 9.5 17

7 10	21 39.68	−14 51.1	0.946	1.876	17.8	18.2
7 20	21 35.09	−15 7.7	0.910	1.885	12.5	17.9
7 30	21 27.72	−15 35.7	0.892	1.897	6.6	17.6
8 9	21 18.89	−16 8.3	0.896	1.909	0.4	17.2
8 19	21 10.20	−16 38.1	0.921	1.924	5.9	17.7
8 29	21 3.25	−16 59.2	0.967	1.939	11.5	18.1
9 8	20 59.17	−17 8.2	1.033	1.956	16.4	18.4
9 18	20 58.44	−17 3.9	1.117	1.974	20.4	18.7

347902 2002 VO_{71} 8 9.6 280°.68 1°.2/ 8.6 18

7 10	21 39.49	−16 41.2	1.933	2.835	11.5	20.7
7 20	21 34.23	−17 27.6	1.855	2.819	8.1	20.5
7 30	21 27.13	−18 20.8	1.801	2.802	4.2	20.2
8 9	21 18.88	−19 15.8	1.773	2.786	1.3	19.9
8 19	21 10.35	−20 7.0	1.773	2.769	4.6	20.2
8 29	21 2.56	−20 49.7	1.800	2.753	8.6	20.4
9 8	20 56.40	−21 20.7	1.851	2.736	12.3	20.6
9 18	20 52.48	−21 38.7	1.922	2.720	15.4	20.7

401271 2012 CX_{10} 8 9.6 5°.11 1°.1/ 8.8 18

7 10	21 40.93	−18 46.5	2.143	3.042	10.7	20.4
7 20	21 34.92	−18 54.7	2.080	3.042	7.4	20.2
7 30	21 27.33	−19 5.1	2.041	3.042	3.9	20.0
8 9	21 18.88	−19 14.3	2.030	3.043	1.1	19.8
8 19	21 10.40	−19 19.2	2.047	3.043	4.1	20.0
8 29	21 2.75	−19 17.8	2.091	3.044	7.6	20.3
9 8	20 56.68	−19 8.9	2.160	3.045	10.8	20.5
9 18	20 52.65	−18 52.3	2.251	3.046	13.5	20.7

504437 2008 AB_{128} 8 9.6 90°.52 1°.8/10.7 17

7 10	21 44.90	− 9 56.4	1.521	2.410	14.8	21.1
7 20	21 37.94	−10 6.7	1.477	2.430	10.6	20.9
7 30	21 28.96	−10 29.1	1.455	2.451	6.1	20.7
8 9	21 18.97	−10 59.8	1.459	2.471	2.0	20.5
8 19	21 9.12	−11 33.8	1.490	2.491	4.4	20.7
8 29	21 0.55	−12 6.3	1.546	2.510	8.8	21.0
9 8	20 54.16	−12 33.5	1.627	2.529	12.7	21.3
9 18	20 50.43	−12 52.9	1.728	2.548	15.9	21.6

138372 2000 GN_{144} 8 9.6 294°.20 0°.6/ 9.2 18

7 10	21 39.93	−15 32.8	1.838	2.739	12.0	19.9
7 20	21 34.54	−16 1.3	1.764	2.727	8.5	19.7
7 30	21 27.28	−16 36.8	1.715	2.716	4.4	19.4
8 9	21 18.89	−17 14.9	1.691	2.705	0.6	19.1
8 19	21 10.29	−17 50.8	1.695	2.694	4.3	19.4
8 29	21 2.51	−18 20.1	1.725	2.683	8.5	19.6
9 8	20 56.44	−18 40.1	1.779	2.672	12.3	19.8
9 18	20 52.70	−18 49.4	1.853	2.661	15.5	20.0

35366 Kaifeng 8 9.6 314°.26 0°.8/10.0 18

7 10	21 39.23	−11 38.2	1.143	2.058	16.6	18.6
7 20	21 34.93	−12 10.8	1.071	2.039	12.0	18.3
7 30	21 27.85	−13 0.9	1.020	2.022	6.6	18.0
8 9	21 18.94	−14 2.7	0.991	2.004	1.0	17.5
8 19	21 9.52	−15 8.3	0.984	1.987	5.6	17.8
8 29	21 1.23	−16 8.8	1.001	1.971	11.4	18.1
9 8	20 55.48	−16 57.2	1.038	1.956	16.7	18.3
9 18	20 53.12	−17 29.6	1.092	1.941	21.2	18.6

513511 2009 RY_{58} 8 9.6 16°.97 3°.0/11.8 18

7 10	21 38.70	− 6 30.0	2.055	2.928	12.2	20.9
7 20	21 33.39	− 6 22.0	1.989	2.930	9.1	20.7
7 30	21 26.55	− 6 25.8	1.946	2.932	5.8	20.5
8 9	21 18.85	− 6 39.6	1.929	2.935	3.2	20.4
8 19	21 11.07	− 7 0.7	1.940	2.937	4.1	20.5
8 29	21 4.05	− 7 25.9	1.977	2.940	7.2	20.7
9 8	20 58.51	− 7 51.5	2.040	2.944	10.4	20.9
9 18	20 54.95	− 8 14.5	2.125	2.947	13.2	21.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
237938 2002 QM_{92}			8 9.6 38°.97	3°.5/ 7.6 17		
	h m	° ′			°	m
7 10	21 44.15	−23 49.1	1.544	2.456	13.3	20.0
7 20	21 37.54	−24 10.6	1.499	2.466	9.3	19.8
7 30	21 28.81	−24 30.0	1.477	2.476	5.4	19.6
8 9	21 18.98	−24 41.5	1.479	2.486	3.6	19.5
8 19	21 9.27	−24 41.2	1.508	2.497	6.4	19.7
8 29	21 0.92	−24 27.1	1.561	2.508	10.2	19.9
9 8	20 54.83	−23 59.8	1.638	2.519	13.8	20.2
9 18	20 51.51	−23 21.3	1.733	2.531	16.8	20.4
390603 2001 TE_{89}			8 9.6 256°.56	3°.3/ 7.3 18		
7 10	21 45.04	−23 1.5	1.939	2.840	11.5	21.9
7 20	21 38.24	−23 42.4	1.857	2.819	8.2	21.7
7 30	21 29.31	−24 24.0	1.799	2.797	4.8	21.4
8 9	21 19.03	−25 0.4	1.769	2.774	3.3	21.3
8 19	21 8.41	−25 26.3	1.766	2.751	6.0	21.4
8 29	20 58.60	−25 38.2	1.790	2.727	9.7	21.6
9 8	20 50.64	−25 34.9	1.838	2.703	13.3	21.8
9 18	20 45.22	−25 17.5	1.906	2.678	16.4	21.9
284970 2010 FP_{100}			8 9.6 26°.22	1°.2/10.4 17		R
7 10	21 38.50	−10 8.4	1.602	2.498	13.8	20.3
7 20	21 33.59	−10 46.0	1.544	2.502	9.9	20.1
7 30	21 26.78	−11 36.9	1.509	2.507	5.5	19.8
8 9	21 18.88	−12 36.2	1.498	2.511	1.3	19.6
8 19	21 10.89	−13 37.9	1.514	2.516	4.2	19.8
8 29	21 3.88	−14 35.9	1.556	2.521	8.6	20.1
9 8	20 58.74	−15 25.2	1.621	2.527	12.5	20.3
9 18	20 56.00	−16 2.9	1.707	2.533	15.8	20.5
50433 2000 DC_{22}			8 9.6 357°.28	1°.6/10.8 18		
7 10	21 31.86	− 8 8.0	1.127	2.043	16.7	17.1
7 20	21 29.50	− 9 6.0	1.069	2.036	12.1	16.8
7 30	21 24.83	−10 27.2	1.031	2.031	6.9	16.5
8 9	21 18.78	−12 4.4	1.015	2.028	1.9	16.2
8 19	21 12.51	−13 47.5	1.022	2.026	5.0	16.4
8 29	21 7.37	−15 25.5	1.052	2.027	10.4	16.7
9 8	21 4.48	−16 48.9	1.103	2.029	15.2	17.0
9 18	21 4.49	−17 52.4	1.172	2.033	19.3	17.3
115141 2003 SZ_{61}			8 9.6 277°.02	2°.4/ 7.3 18		
7 10	21 38.28	−21 20.2	2.376	3.279	9.6	19.6
7 20	21 33.11	−22 8.6	2.304	3.267	6.7	19.4
7 30	21 26.44	−22 58.9	2.256	3.256	3.8	19.2
8 9	21 18.87	−23 46.5	2.237	3.244	2.5	19.1
8 19	21 11.13	−24 27.2	2.245	3.232	4.8	19.2
8 29	21 4.03	−24 57.4	2.281	3.220	7.8	19.4
9 8	20 58.29	−25 15.5	2.341	3.208	10.7	19.6
9 18	20 54.42	−25 21.2	2.423	3.196	13.2	19.7
300499 2007 TU_{158}			8 9.6 278°.51	2°.5/11.3 18		
7 10	21 40.14	− 8 1.8	1.878	2.758	12.8	20.5
7 20	21 34.62	− 8 3.8	1.803	2.750	9.5	20.3
7 30	21 27.31	− 8 18.0	1.751	2.742	5.8	20.1
8 9	21 18.92	− 8 41.9	1.725	2.734	2.7	19.9
8 19	21 10.34	− 9 12.2	1.726	2.726	4.1	19.9
8 29	21 2.54	− 9 44.9	1.754	2.718	7.9	20.1
9 8	20 56.39	−10 15.9	1.806	2.710	11.5	20.4
9 18	20 52.45	−10 41.9	1.880	2.702	14.7	20.6
95381 2002 CN_{169}			8 9.6 45°.88	3°.2/ 7.1 18		
7 10	21 40.13	−22 56.2	1.883	2.793	11.4	19.0
7 20	21 34.50	−23 42.3	1.839	2.805	8.0	18.8
7 30	21 27.15	−24 27.8	1.819	2.817	4.6	18.6
8 9	21 18.91	−25 7.4	1.825	2.830	3.3	18.6
8 19	21 10.71	−25 36.3	1.858	2.843	5.7	18.8
8 29	21 3.52	−25 51.7	1.917	2.857	9.0	19.0
9 8	20 58.12	−25 52.9	1.999	2.870	12.1	19.2
9 18	20 54.98	−25 41.0	2.102	2.884	14.7	19.4
41371 2000 AB_{101}			8 9.6 264°.00	4°.2/ 5.4 18		R
7 10	21 38.81	−25 57.8	2.263	3.169	9.9	18.3
7 20	21 33.56	−27 13.1	2.203	3.165	7.1	18.1
7 30	21 26.70	−28 27.3	2.169	3.160	4.8	18.0
8 9	21 18.89	−29 34.2	2.162	3.156	4.4	18.0
8 19	21 10.91	−30 28.7	2.182	3.151	6.4	18.1
8 29	21 3.67	−31 7.1	2.229	3.147	9.1	18.2
9 8	20 57.92	−31 28.3	2.300	3.142	11.8	18.4
9 18	20 54.20	−31 33.2	2.391	3.138	14.1	18.6
133519 2003 SK_{306}			8 9.6 7°.15	9°.1/ 6.7 18		
7 10	21 45.89	−34 37.2	1.045	1.968	17.1	17.5
7 20	21 39.57	−34 45.3	1.007	1.970	13.3	17.3
7 30	21 30.09	−34 35.3	0.988	1.973	10.1	17.1
8 9	21 19.07	−33 59.2	0.990	1.979	9.2	17.1
8 19	21 8.43	−32 54.4	1.013	1.986	11.3	17.2
8 29	20 59.98	−31 23.8	1.058	1.995	14.9	17.5
9 8	20 54.87	−29 34.9	1.121	2.006	18.5	17.7
9 18	20 53.49	−27 35.0	1.202	2.019	21.7	18.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
257599 1999 RN_{67}			8 9.6 310°.96	3°.8/11.7 17		
	h m	° ′			°	m
7 10	21 38.54	− 6 2.4	1.227	2.125	17.0	20.0
7 20	21 34.43	− 6 9.8	1.141	2.096	12.9	19.7
7 30	21 27.65	− 6 39.0	1.074	2.067	8.3	19.3
8 9	21 18.97	− 7 28.4	1.030	2.038	4.2	19.0
8 19	21 9.59	− 8 32.9	1.008	2.010	5.8	19.0
8 29	21 1.05	− 9 44.4	1.010	1.982	11.0	19.2
9 8	20 54.80	−10 54.1	1.032	1.956	16.3	19.4
9 18	20 51.82	−11 54.7	1.072	1.930	21.0	19.6
98529 2000 VY_{33}			8 9.6 158°.72	4°.6/ 6.4 18		
7 10	21 44.98	−24 17.1	1.596	2.506	13.0	19.5
7 20	21 38.29	−25 30.0	1.546	2.510	9.3	19.3
7 30	21 29.32	−26 42.3	1.519	2.515	5.8	19.1
8 9	21 19.05	−27 45.4	1.517	2.518	4.8	19.0
8 19	21 8.69	−28 32.4	1.543	2.521	7.5	19.2
8 29	20 59.56	−28 59.3	1.593	2.524	11.2	19.4
9 8	20 52.70	−29 5.8	1.665	2.526	14.6	19.6
9 18	20 48.70	−28 54.0	1.756	2.528	17.6	19.9
203957 2003 SK_{69}			8 9.6 205°.08	0°.1/ 9.7 18		
7 10	21 41.04	−13 48.2	1.914	2.808	12.0	21.4
7 20	21 35.20	−14 13.3	1.847	2.806	8.5	21.2
7 30	21 27.59	−14 46.1	1.805	2.805	4.5	20.9
8 9	21 18.95	−15 22.6	1.789	2.803	0.3	20.6
8 19	21 10.20	−15 58.3	1.800	2.800	4.0	20.9
8 29	21 2.29	−16 29.3	1.839	2.798	8.0	21.1
9 8	20 56.07	−16 52.6	1.902	2.796	11.6	21.3
9 18	20 52.08	−17 6.6	1.986	2.793	14.6	21.5
307578 2003 FC_{133}			8 9.6 138°.08	1°.6/10.9 18		
7 10	21 38.54	− 8 54.2	2.283	3.160	11.0	21.8
7 20	21 33.18	− 9 16.4	2.218	3.165	8.0	21.6
7 30	21 26.43	− 9 48.4	2.177	3.170	4.7	21.4
8 9	21 18.89	−10 27.5	2.163	3.174	1.7	21.2
8 19	21 11.28	−11 10.1	2.178	3.178	3.3	21.3
8 29	21 4.36	−11 52.2	2.220	3.182	6.6	21.5
9 8	20 58.79	−12 30.6	2.289	3.186	9.7	21.8
9 18	20 55.03	−13 2.6	2.380	3.190	12.4	21.9
89626 2001 XS_{199}			8 9.6 94°.18	2°.4/ 7.2 18		
7 10	21 38.48	−19 25.6	2.167	3.070	10.4	19.5
7 20	21 33.26	−20 46.5	2.115	3.079	7.2	19.3
7 30	21 26.51	−22 10.8	2.088	3.089	3.9	19.1
8 9	21 18.90	−23 32.4	2.090	3.098	2.5	19.0
8 19	21 11.20	−24 45.4	2.120	3.107	5.0	19.2
8 29	21 4.27	−25 45.3	2.177	3.116	8.2	19.4
9 8	20 58.83	−26 29.8	2.260	3.124	11.2	19.6
9 18	20 55.36	−26 58.6	2.363	3.133	13.6	19.8
359621 2011 OS_{59}			8 9.6 48°.39	6°.1/ 5.3 17		
7 10	21 42.64	−29 0.6	1.628	2.540	12.7	20.3
7 20	21 36.58	−30 8.6	1.587	2.549	9.4	20.2
7 30	21 28.37	−31 10.5	1.570	2.558	6.7	20.0
8 9	21 19.01	−31 58.3	1.578	2.567	6.3	20.0
8 19	21 9.68	−32 26.5	1.610	2.576	8.5	20.2
8 29	21 1.64	−32 32.7	1.667	2.586	11.6	20.4
9 8	20 55.81	−32 18.0	1.746	2.596	14.6	20.6
9 18	20 52.73	−31 45.6	1.843	2.606	17.2	20.8
515956 2015 RT_{77}			8 9.6 212°.32	4°.3/ 6.0 18		
7 10	21 43.77	−30 26.0	2.627	3.520	9.2	21.9
7 20	21 36.78	−30 50.8	2.565	3.516	6.8	21.8
7 30	21 28.30	−31 9.8	2.528	3.511	4.9	21.7
8 9	21 19.01	−31 18.8	2.519	3.507	4.4	21.6
8 19	21 9.71	−31 15.2	2.539	3.502	6.0	21.7
8 29	21 1.23	−30 57.9	2.586	3.497	8.3	21.9
9 8	20 54.26	−30 27.7	2.658	3.492	10.6	22.0
9 18	20 49.25	−29 46.3	2.751	3.487	12.7	22.2
78572 2002 RT_{212}			8 9.6 233°.67	3°.7/ 6.3 18		
7 10	21 40.72	−23 58.9	2.127	3.032	10.5	19.8
7 20	21 34.99	−25 5.8	2.061	3.024	7.5	19.6
7 30	21 27.51	−26 13.1	2.021	3.016	4.6	19.4
8 9	21 18.98	−27 14.7	2.007	3.008	3.8	19.4
8 19	21 10.25	−28 5.0	2.022	2.999	6.1	19.5
8 29	21 2.29	−28 40.2	2.063	2.991	9.2	19.7
9 8	20 55.94	−28 59.0	2.128	2.981	12.2	19.8
9 18	20 51.77	−29 1.9	2.213	2.972	14.7	20.0
297190 2010 XM_{38}			8 9.6 296°.09	2°.3/ 7.5 18		
7 10	21 38.20	−20 48.8	2.254	3.158	10.0	20.3
7 20	21 33.11	−21 36.0	2.184	3.149	7.0	20.1
7 30	21 26.47	−22 25.6	2.139	3.139	3.9	19.9
8 9	21 18.92	−23 12.7	2.122	3.130	2.4	19.8
8 19	21 11.21	−23 52.9	2.132	3.120	4.8	19.9
8 29	21 4.19	−24 22.7	2.169	3.111	8.0	20.1
9 8	20 58.59	−24 40.3	2.231	3.102	11.0	20.3
9 18	20 54.93	−24 45.4	2.314	3.093	13.6	20.5

175606 2006 UJ_{230} 8 9.6 65°.99 0°.8/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 43.52	−12 16.7	1.330	2.233	15.6	20.1
7 20	21 37.26	−12 35.2	1.286	2.248	11.0	19.9
7 30	21 28.75	−13 5.2	1.263	2.263	6.0	19.6
8 9	21 19.05	−13 41.5	1.264	2.278	1.0	19.4
8 19	21 9.43	−14 18.3	1.291	2.293	4.8	19.7
8 29	21 1.21	−14 50.2	1.342	2.308	9.6	20.0
9 8	20 55.36	−15 13.6	1.416	2.323	13.9	20.3
9 18	20 52.40	−15 26.6	1.509	2.338	17.4	20.6

342341 2008 TD_{129} 8 9.6 219°.79 3°.8/ 7.2 18

7 10	21 45.60	−25 21.2	1.931	2.832	11.5	20.9
7 20	21 38.46	−25 49.9	1.867	2.827	8.3	20.7
7 30	21 29.34	−26 15.8	1.827	2.822	5.1	20.5
8 9	21 19.09	−26 33.5	1.814	2.817	3.8	20.4
8 19	21 8.75	−26 38.9	1.829	2.811	6.2	20.5
8 29	20 59.44	−26 30.0	1.870	2.804	9.6	20.7
9 8	20 52.09	−26 7.0	1.935	2.798	12.8	20.9
9 18	20 47.25	−25 31.8	2.020	2.791	15.6	21.1

509940 2009 QK_{51} 8 9.6 18°.92 11°.0/ 5.9 18

7 10	21 56.80	−45 6.7	1.585	2.456	15.3	19.5
7 20	21 46.41	−45 12.9	1.551	2.466	13.0	19.4
7 30	21 33.35	−44 54.2	1.538	2.477	11.4	19.3
8 9	21 19.29	−44 4.2	1.549	2.489	11.1	19.3
8 19	21 6.04	−42 42.3	1.583	2.502	12.3	19.4
8 29	20 55.17	−40 52.9	1.642	2.516	14.3	19.6
9 8	20 47.60	−38 44.4	1.722	2.531	16.5	19.8
9 18	20 43.60	−36 25.2	1.821	2.547	18.6	20.0

93756 2000 WZ_{8} 8 9.6 308°.99 1°.8/ 8.3 18 R

7 10	21 39.22	−17 1.5	1.483	2.397	13.6	18.2
7 20	21 34.56	−17 56.3	1.404	2.374	9.6	17.9
7 30	21 27.56	−19 0.9	1.348	2.351	5.1	17.6
8 9	21 19.00	−20 8.4	1.316	2.328	1.9	17.4
8 19	21 10.00	−21 11.1	1.309	2.306	5.8	17.6
8 29	21 1.87	−22 2.0	1.327	2.284	10.7	17.8
9 8	20 55.81	−22 36.9	1.367	2.263	15.1	18.0
9 18	20 52.60	−22 54.2	1.426	2.242	18.9	18.2

184940 2005 VB_{110} 8 9.6 140°.71 5°.0/ 5.1 18

7 10	21 41.26	−30 1.5	2.334	3.234	9.9	20.3
7 20	21 35.20	−30 59.0	2.283	3.238	7.4	20.2
7 30	21 27.54	−31 51.3	2.259	3.242	5.4	20.1
8 9	21 18.99	−32 32.8	2.261	3.245	5.1	20.1
8 19	21 10.41	−32 59.7	2.290	3.249	6.8	20.2
8 29	21 2.69	−33 9.9	2.346	3.252	9.3	20.3
9 8	20 56.56	−33 3.5	2.425	3.255	11.7	20.5
9 18	20 52.51	−32 42.5	2.524	3.258	13.7	20.7

75532 1999 XN_{220} 8 9.6 305°.90 2°.0/ 8.7 18

7 10	21 44.65	−19 25.3	1.337	2.251	14.8	19.4
7 20	21 38.45	−19 37.6	1.269	2.238	10.5	19.1
7 30	21 29.61	−19 53.2	1.223	2.226	5.6	18.8
8 9	21 19.12	−20 6.5	1.201	2.214	2.0	18.6
8 19	21 8.37	−20 12.1	1.204	2.202	6.0	18.8
8 29	20 58.88	−20 6.6	1.231	2.190	11.1	19.0
9 8	20 51.89	−19 48.7	1.280	2.179	15.6	19.3
9 18	20 48.12	−19 19.4	1.347	2.168	19.5	19.5

428676 2008 HM_{12} 8 9.6 116°.46 4°.5/ 6.6 18

7 10	21 44.57	−24 39.9	1.605	2.515	13.0	20.9
7 20	21 37.93	−25 40.4	1.558	2.523	9.2	20.7
7 30	21 29.11	−26 39.1	1.535	2.531	5.7	20.5
8 9	21 19.09	−27 28.4	1.537	2.538	4.6	20.5
8 19	21 9.07	−28 2.2	1.565	2.546	7.2	20.6
8 29	21 0.31	−28 17.3	1.619	2.553	10.9	20.9
9 8	20 53.79	−28 13.9	1.695	2.559	14.2	21.1
9 18	20 50.06	−27 54.0	1.789	2.566	17.1	21.3

95645 2002 GR_{88} 8 9.6 85°.45 6°.5/16.6 18

7 10	21 36.46	+ 7 51.2	2.347	3.145	13.3	19.8
7 20	21 31.71	+ 7 43.5	2.280	3.155	11.1	19.7
7 30	21 25.67	+ 7 15.2	2.234	3.165	8.8	19.5
8 9	21 18.89	+ 6 27.1	2.213	3.174	7.0	19.4
8 19	21 12.05	+ 5 22.0	2.218	3.184	6.5	19.4
8 29	21 5.85	+ 4 4.4	2.249	3.193	7.7	19.5
9 8	21 0.91	+ 2 40.3	2.307	3.203	9.7	19.7
9 18	20 57.67	+ 1 15.3	2.388	3.212	11.9	19.8

438358 2006 SJ_{254} 8 9.6 49°.17 1°.2/ 8.7 18 R

7 10	21 40.33	−17 13.8	1.830	2.734	12.0	21.0
7 20	21 34.72	−17 47.0	1.774	2.739	8.3	20.8
7 30	21 27.34	−18 25.0	1.743	2.744	4.3	20.6
8 9	21 18.99	−19 3.1	1.737	2.750	1.2	20.4
8 19	21 10.60	−19 36.5	1.759	2.756	4.5	20.6
8 29	21 3.17	−20 1.4	1.807	2.762	8.4	20.9
9 8	20 57.50	−20 15.8	1.879	2.768	11.9	21.1
9 18	20 54.11	−20 18.9	1.972	2.774	14.8	21.3

355323 2007 TR_{17} 8 9.6 285°.18 1°.9/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 42.47	−19 19.4	1.955	2.856	11.4	21.8
7 20	21 36.49	−19 54.2	1.862	2.826	8.1	21.6
7 30	21 28.46	−20 33.3	1.794	2.795	4.4	21.3
8 9	21 19.08	−21 11.6	1.752	2.763	2.0	21.1
8 19	21 9.26	−21 44.2	1.738	2.732	5.1	21.2
8 29	21 0.10	−22 6.7	1.751	2.700	9.2	21.4
9 8	20 52.60	−22 16.8	1.788	2.667	12.9	21.6
9 18	20 47.51	−22 14.2	1.846	2.634	16.2	21.7

264528 2001 RG_{96} 8 9.6 94°.11 0°.1/ 9.6 18

7 10	21 43.29	−14 36.5	1.548	2.450	13.9	20.4
7 20	21 37.02	−14 55.6	1.492	2.455	9.8	20.2
7 30	21 28.64	−15 22.6	1.459	2.459	5.2	19.9
8 9	21 19.08	−15 52.8	1.450	2.464	0.3	19.5
8 19	21 9.47	−16 21.3	1.468	2.469	4.6	19.9
8 29	21 1.01	−16 43.7	1.512	2.474	9.2	20.2
9 8	20 54.67	−16 57.2	1.579	2.478	13.2	20.4
9 18	20 51.01	−17 0.8	1.667	2.483	16.6	20.7

251864 1999 UX_{58} 8 9.6 293°.87 2°.2/ 8.1 18

7 10	21 41.81	−21 26.6	2.121	3.022	10.7	20.0
7 20	21 35.76	−21 43.3	2.040	3.003	7.5	19.8
7 30	21 27.94	−22 0.6	1.984	2.984	4.2	19.5
8 9	21 19.05	−22 14.4	1.955	2.965	2.2	19.4
8 19	21 9.94	−22 21.2	1.954	2.946	4.8	19.5
8 29	21 1.59	−22 18.6	1.980	2.927	8.4	19.7
9 8	20 54.83	−22 5.5	2.031	2.908	11.7	19.9
9 18	20 50.26	−21 42.3	2.103	2.889	14.6	20.0

187721 2008 EJ_{123} 8 9.6 57°.14 0°.9/10.4 18

7 10	21 38.59	−11 12.4	2.001	2.890	11.8	20.4
7 20	21 33.34	−11 38.0	1.946	2.902	8.4	20.2
7 30	21 26.56	−12 12.8	1.916	2.913	4.6	20.0
8 9	21 18.96	−12 53.1	1.912	2.925	1.1	19.8
8 19	21 11.35	−13 34.7	1.935	2.936	3.6	20.0
8 29	21 4.57	−14 13.6	1.985	2.948	7.2	20.3
9 8	20 59.34	−14 46.4	2.061	2.960	10.6	20.5
9 18	20 56.11	−15 11.0	2.158	2.972	13.4	20.7

103829 2000 DZ_{26} 8 9.6 155°.27 0°.2/ 9.8 18

7 10	21 40.74	−13 16.6	2.240	3.127	10.8	20.8
7 20	21 34.76	−13 44.5	2.177	3.132	7.6	20.6
7 30	21 27.30	−14 19.3	2.139	3.138	4.1	20.4
8 9	21 19.01	−14 57.3	2.129	3.143	0.4	20.1
8 19	21 10.66	−15 34.8	2.148	3.148	3.5	20.4
8 29	21 3.06	−16 8.2	2.194	3.152	7.0	20.6
9 8	20 56.92	−16 34.8	2.267	3.156	10.2	20.8
9 18	20 52.71	−16 53.2	2.362	3.159	12.8	21.0

444405 2006 AV_{31} 8 9.6 268°.35 1°.2/10.5 17

7 10	21 41.61	−11 57.4	2.413	3.292	10.4	21.6
7 20	21 35.41	−11 47.3	2.325	3.275	7.5	21.3
7 30	21 27.69	−11 43.1	2.263	3.257	4.3	21.1
8 9	21 19.05	−11 43.1	2.228	3.240	1.3	20.9
8 19	21 10.20	−11 45.2	2.222	3.222	3.3	21.0
8 29	21 1.96	−11 47.2	2.245	3.204	6.7	21.2
9 8	20 55.05	−11 47.3	2.294	3.186	9.9	21.4
9 18	20 49.98	−11 43.9	2.366	3.168	12.7	21.5

166943 2003 HL_{50} 8 9.6 32°.60 2°.0/10.7 17

7 10	21 39.75	− 9 46.3	0.877	1.801	19.5	19.6
7 20	21 35.18	−10 8.1	0.847	1.818	14.0	19.3
7 30	21 27.81	−10 49.9	0.835	1.836	7.9	19.1
8 9	21 19.04	−11 44.2	0.843	1.856	2.3	18.8
8 19	21 10.50	−12 42.2	0.873	1.877	5.7	19.1
8 29	21 3.78	−13 34.8	0.924	1.899	11.3	19.5
9 8	20 59.98	−14 15.7	0.994	1.922	16.3	19.9
9 18	20 59.56	−14 41.7	1.081	1.946	20.3	20.2

315056 2007 DK_{14} 8 9.6 16°.05 3°.3/ 7.4 18

7 10	21 41.77	−24 13.7	1.972	2.877	11.1	20.8
7 20	21 35.68	−24 38.8	1.916	2.879	7.9	20.6
7 30	21 27.84	−25 2.1	1.884	2.881	4.7	20.4
8 9	21 19.06	−25 18.9	1.879	2.884	3.3	20.3
8 19	21 10.27	−25 25.4	1.901	2.886	5.6	20.4
8 29	21 2.46	−25 19.7	1.949	2.889	8.9	20.7
9 8	20 56.43	−25 1.6	2.021	2.892	12.0	20.9
9 18	20 52.68	−24 32.4	2.114	2.896	14.7	21.1

453130 2008 AG_{27} 8 9.6 163°.69 4°.5/10.9 16

7 10	21 54.14	− 9 25.0	1.193	2.080	18.2	20.4
7 20	21 45.14	− 8 12.1	1.133	2.083	13.5	20.1
7 30	21 33.14	− 7 10.0	1.095	2.085	8.5	19.9
8 9	21 19.39	− 6 19.5	1.080	2.087	4.6	19.7
8 19	21 5.55	− 5 40.8	1.092	2.089	6.7	19.8
8 29	20 53.39	− 5 12.5	1.128	2.090	11.5	20.1
9 8	20 44.25	− 4 51.8	1.187	2.091	16.2	20.3
9 18	20 38.81	− 4 35.1	1.264	2.091	20.2	20.6

37031 2000 UD_8 8 9.6 0°.77 0°.2/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 40.10	−13 53.4	1.334	2.245	15.0	18.2
7 20	21 35.07	−14 10.0	1.277	2.244	10.6	18.0
7 30	21 27.74	−14 36.9	1.241	2.243	5.7	17.7
8 9	21 19.07	−15 9.1	1.229	2.243	0.5	17.3
8 19	21 10.28	−15 41.0	1.241	2.243	4.9	17.6
8 29	21 2.70	−16 7.3	1.278	2.245	9.9	17.9
9 8	20 57.37	−16 24.3	1.336	2.247	14.3	18.2
9 18	20 54.91	−16 30.3	1.414	2.250	18.0	18.4

178504 1999 TK_{147} 8 9.6 341°.41 2°.8/ 7.9 18

7 10	21 37.80	−18 19.9	1.041	1.973	16.3	19.2
7 20	21 34.07	−19 14.8	0.984	1.961	11.5	18.9
7 30	21 27.47	−20 19.3	0.945	1.950	6.2	18.6
8 9	21 19.07	−21 24.1	0.929	1.940	2.9	18.4
8 19	21 10.36	−22 19.4	0.934	1.932	7.3	18.6
8 29	21 3.02	−22 57.3	0.961	1.924	12.8	18.9
9 8	20 58.44	−23 14.1	1.007	1.918	17.8	19.2
9 18	20 57.36	−23 9.7	1.069	1.914	21.9	19.4

255529 2006 FL_{49} 8 9.6 208°.48 7°.2/30.5 18

7 10	21 45.67	−47 19.7	3.513	4.353	8.4	21.8
7 20	21 38.18	−48 20.8	3.466	4.345	7.6	21.7
7 30	21 29.12	−49 9.6	3.444	4.336	7.2	21.7
8 9	21 19.16	−49 41.9	3.448	4.327	7.5	21.7
8 19	21 9.10	−49 55.0	3.477	4.317	8.3	21.8
8 29	20 59.79	−49 48.4	3.529	4.307	9.5	21.8
9 8	20 51.96	−49 23.7	3.603	4.296	10.7	21.9
9 18	20 46.14	−48 43.5	3.695	4.285	11.7	22.0

86601 2000 EU_{75} 8 9.6 323°.78 5°.5/ 6.7 18

7 10	21 41.36	−23 20.6	1.008	1.941	16.6	17.9
7 20	21 36.84	−24 24.3	0.948	1.925	11.9	17.6
7 30	21 29.06	−25 31.1	0.908	1.910	7.3	17.3
8 9	21 19.17	−26 29.7	0.890	1.895	5.7	17.2
8 19	21 8.85	−27 9.5	0.892	1.882	9.5	17.4
8 29	21 0.06	−27 23.8	0.916	1.869	14.7	17.6
9 8	20 54.36	−27 11.7	0.957	1.857	19.6	17.8
9 18	20 52.58	−26 36.1	1.014	1.847	23.7	18.1

130927 2000 WM_{22} 8 9.6 230°.29 6°.6/ 3.5 18

7 10	21 44.75	−33 10.8	2.137	3.033	10.8	20.8
7 20	21 38.03	−34 33.0	2.075	3.021	8.5	20.7
7 30	21 29.25	−35 48.6	2.037	3.009	6.9	20.5
8 9	21 19.18	−36 49.8	2.027	2.996	7.0	20.5
8 19	21 8.86	−37 31.1	2.043	2.982	8.8	20.6
8 29	20 59.43	−37 49.5	2.084	2.968	11.3	20.8
9 8	20 51.86	−37 45.6	2.148	2.953	13.8	20.9
9 18	20 46.82	−37 22.4	2.230	2.938	16.0	21.0

140306 2001 SB_{314} 8 9.6 354°.00 1°.4/10.8 18

7 10	21 37.33	− 8 42.1	1.803	2.691	12.9	19.7
7 20	21 32.72	− 9 30.1	1.736	2.690	9.3	19.5
7 30	21 26.38	−10 32.3	1.693	2.689	5.3	19.2
8 9	21 19.01	−11 44.0	1.676	2.688	1.6	19.0
8 19	21 11.49	−12 59.4	1.685	2.687	3.9	19.1
8 29	21 4.77	−14 12.0	1.722	2.687	7.9	19.4
9 8	20 59.68	−15 16.6	1.782	2.687	11.7	19.6
9 18	20 56.77	−16 9.5	1.865	2.687	14.8	19.8

519684 2013 AT_{117} 8 9.6 263°.95 2°.0/ 8.1 18

7 10	21 41.36	−19 43.4	2.071	2.971	10.9	21.8
7 20	21 35.52	−20 21.5	1.992	2.955	7.7	21.6
7 30	21 27.87	−21 2.9	1.938	2.939	4.1	21.4
8 9	21 19.11	−21 42.8	1.911	2.922	2.0	21.2
8 19	21 10.10	−22 16.3	1.912	2.904	4.9	21.3
8 29	21 1.82	−22 40.0	1.940	2.887	8.5	21.5
9 8	20 55.14	−22 51.7	1.993	2.869	11.9	21.7
9 18	20 50.66	−22 51.2	2.067	2.852	14.8	21.9

184066 2004 GQ_7 8 9.6 2°.89 3°.4/ 7.6 17

7 10	21 43.11	−21 35.2	1.386	2.302	14.2	19.6
7 20	21 37.21	−22 18.6	1.332	2.302	10.0	19.4
7 30	21 28.88	−23 4.0	1.301	2.302	5.6	19.1
8 9	21 19.17	−23 43.8	1.294	2.302	3.5	19.0
8 19	21 9.37	−24 11.6	1.311	2.303	6.7	19.2
8 29	21 0.88	−24 23.4	1.353	2.303	11.1	19.5
9 8	20 54.80	−24 18.4	1.417	2.304	15.1	19.7
9 18	20 51.72	−23 57.9	1.499	2.306	18.5	19.9

10637 Heimlich 8 9.6 163°.66 5°.8/ 4.6 18

7 10	21 42.73	−33 23.4	2.353	3.247	10.0	17.6
7 20	21 36.27	−34 11.3	2.302	3.248	7.7	17.4
7 30	21 28.15	−34 51.4	2.275	3.249	6.1	17.3
8 9	21 19.13	−35 18.3	2.276	3.249	6.0	17.3
8 19	21 10.09	−35 28.7	2.303	3.250	7.5	17.4
8 29	21 1.97	−35 21.0	2.356	3.251	9.7	17.6
9 8	20 55.55	−34 56.5	2.432	3.251	12.0	17.7
9 18	20 51.29	−34 17.5	2.528	3.251	14.0	17.9

183759 2004 AY_9 8 9.6 238°.42 0°.8/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 44.28	−16 4.8	1.715	2.613	12.9	21.6
7 20	21 37.81	−16 32.9	1.640	2.601	9.1	21.4
7 30	21 29.17	−17 7.8	1.589	2.590	4.8	21.1
8 9	21 19.20	−17 44.5	1.564	2.577	0.8	20.8
8 19	21 8.95	−18 17.9	1.566	2.564	4.8	21.0
8 29	20 59.62	−18 43.5	1.595	2.551	9.2	21.3
9 8	20 52.25	−18 58.7	1.647	2.537	13.3	21.5
9 18	20 47.51	−19 2.5	1.720	2.523	16.7	21.7

512021 2015 LG_{41} 8 9.6 124°.55 15°.5/29.8 17

7 10	21 43.13	+34 7.8	2.282	2.850	19.0	21.2
7 20	21 36.81	+35 38.6	2.225	2.860	18.1	21.2
7 30	21 28.58	+36 38.1	2.181	2.870	17.1	21.1
8 9	21 19.16	+37 1.9	2.152	2.879	16.3	21.0
8 19	21 9.49	+36 48.2	2.139	2.889	15.7	21.0
8 29	21 0.59	+35 58.3	2.144	2.898	15.5	21.0
9 8	20 53.40	+34 37.8	2.166	2.906	15.7	21.1
9 18	20 48.53	+32 54.3	2.206	2.914	16.2	21.1

67501 2000 RU_{43} 8 9.6 172°.55 1°.0/ 9.1 17

7 10	21 47.70	−17 38.7	1.589	2.488	13.7	18.9
7 20	21 40.15	−17 47.6	1.528	2.490	9.6	18.6
7 30	21 30.35	−18 0.5	1.491	2.492	5.1	18.4
8 9	21 19.27	−18 12.6	1.480	2.494	1.0	18.1
8 19	21 8.15	−18 19.8	1.496	2.494	5.0	18.4
8 29	20 58.26	−18 19.2	1.539	2.495	9.5	18.6
9 8	20 50.63	−18 9.5	1.605	2.495	13.5	18.9
9 18	20 45.84	−17 51.1	1.691	2.495	16.9	19.1

39833 1998 BS_{10} 8 9.6 309°.60 1°.4/ 8.7 18

7 10	21 38.60	−14 23.9	1.181	2.101	15.8	18.4
7 20	21 34.64	−15 34.5	1.103	2.075	11.2	18.1
7 30	21 27.88	−17 3.0	1.045	2.049	5.9	17.7
8 9	21 19.15	−18 41.2	1.010	2.023	1.5	17.3
8 19	21 9.74	−20 18.0	0.999	1.998	6.5	17.6
8 29	21 1.29	−21 42.5	1.010	1.973	12.4	17.8
9 8	20 55.32	−22 46.8	1.042	1.949	17.7	18.1
9 18	20 52.79	−23 27.6	1.091	1.926	22.2	18.3

325130 2008 EO_{123} 8 9.6 59°.70 2°.5/ 8.3 17

7 10	21 45.03	−19 37.7	1.279	2.195	15.2	20.1
7 20	21 38.42	−20 13.1	1.242	2.212	10.5	19.9
7 30	21 29.41	−20 51.4	1.227	2.229	5.6	19.6
8 9	21 19.21	−21 25.5	1.236	2.247	2.5	19.5
8 19	21 9.21	−21 49.5	1.270	2.265	6.2	19.8
8 29	21 0.78	−21 59.6	1.328	2.284	10.8	20.1
9 8	20 54.93	−21 55.4	1.408	2.302	14.8	20.4
9 18	20 52.13	−21 37.9	1.506	2.320	18.1	20.7

116654 2004 CV_{30} 8 9.6 6°.80 0°.4/ 9.9 18

7 10	21 36.41	−12 1.6	1.348	2.260	14.8	18.6
7 20	21 32.45	−12 45.0	1.294	2.261	10.5	18.4
7 30	21 26.35	−13 42.0	1.261	2.263	5.6	18.1
8 9	21 19.04	−14 46.5	1.252	2.266	0.6	17.8
8 19	21 11.61	−15 51.3	1.268	2.270	4.7	18.1
8 29	21 5.29	−16 49.1	1.307	2.275	9.6	18.4
9 8	21 1.05	−17 34.8	1.369	2.282	13.9	18.7
9 18	20 59.48	−18 5.7	1.450	2.289	17.5	18.9

465329 2007 VE_{58} 8 9.6 158°.33 0°.4/ 9.9 17

7 10	21 42.60	−11 55.3	1.497	2.395	14.5	21.4
7 20	21 36.68	−12 39.5	1.437	2.398	10.3	21.1
7 30	21 28.57	−13 36.3	1.401	2.400	5.5	20.9
8 9	21 19.18	−14 39.8	1.389	2.403	0.6	20.5
8 19	21 9.64	−15 43.2	1.404	2.405	4.6	20.8
8 29	21 1.21	−16 39.8	1.444	2.406	9.4	21.1
9 8	20 54.89	−17 25.1	1.507	2.408	13.6	21.4
9 18	20 51.32	−17 56.8	1.591	2.409	17.1	21.6

305340 2008 AM_{115} 8 9.6 82°.57 0°.5/ 9.9 18

7 10	21 40.48	−13 5.7	2.065	2.955	11.4	20.8
7 20	21 34.64	−13 21.8	2.010	2.967	8.1	20.6
7 30	21 27.27	−13 44.9	1.980	2.979	4.3	20.4
8 9	21 19.10	−14 11.7	1.977	2.990	0.6	20.2
8 19	21 10.93	−14 38.5	2.001	3.002	3.5	20.4
8 29	21 3.62	−15 2.1	2.053	3.013	7.2	20.7
9 8	20 57.87	−15 20.0	2.130	3.025	10.5	20.9
9 18	20 54.14	−15 30.6	2.229	3.036	13.2	21.1

431262 2006 UU_{37} 8 9.6 229°.72 0°.9/ 9.0 17

7 10	21 43.52	−16 5.5	1.730	2.629	12.8	22.1
7 20	21 37.24	−16 40.7	1.659	2.621	9.0	21.9
7 30	21 28.87	−17 22.9	1.611	2.612	4.7	21.6
8 9	21 19.22	−18 7.0	1.589	2.603	0.9	21.3
8 19	21 9.33	−18 47.4	1.595	2.593	4.8	21.6
8 29	21 0.37	−19 19.4	1.627	2.583	9.1	21.8
9 8	20 53.32	−19 40.2	1.683	2.573	13.1	22.0
9 18	20 48.85	−19 48.9	1.760	2.562	16.4	22.3

342560 2008 UG_{248} 8 9.6 310°.28 2°.8/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 40.34	−19 36.0	1.465	2.381	13.6	20.5
7 20	21 35.47	−20 25.7	1.385	2.355	9.6	20.2
7 30	21 28.15	−21 21.9	1.328	2.330	5.3	19.9
8 9	21 19.19	−22 17.6	1.294	2.305	2.8	19.7
8 19	21 9.74	−23 5.3	1.286	2.280	6.5	19.8
8 29	21 1.20	−23 38.9	1.302	2.255	11.2	20.0
9 8	20 54.80	−23 55.1	1.340	2.231	15.6	20.2
9 18	20 51.38	−23 53.5	1.395	2.208	19.4	20.4

116038 2003 WY_{99} 8 9.6 95°.46 5°.5/ 6.2 18

7 10	21 45.53	−26 13.1	1.435	2.349	13.9	19.8
7 20	21 38.86	−27 18.6	1.391	2.357	10.1	19.6
7 30	21 29.73	−28 20.5	1.370	2.364	6.6	19.5
8 9	21 19.27	−29 10.0	1.374	2.372	5.7	19.4
8 19	21 8.83	−29 40.5	1.402	2.379	8.3	19.6
8 29	20 59.84	−29 48.9	1.455	2.387	12.0	19.8
9 8	20 53.36	−29 36.3	1.529	2.394	15.5	20.1
9 18	20 49.95	−29 5.8	1.621	2.401	18.5	20.3

374761 2006 SV_{260} 8 9.6 17°.66 5°.4/12.8 17

7 10	21 38.30	− 3 27.6	1.071	1.968	18.9	20.1
7 20	21 34.07	− 3 21.1	1.022	1.973	14.5	19.8
7 30	21 27.32	− 3 39.9	0.992	1.979	9.7	19.6
8 9	21 19.13	− 4 21.5	0.982	1.986	5.9	19.4
8 19	21 10.86	− 5 19.8	0.995	1.994	6.5	19.5
8 29	21 3.96	− 6 26.2	1.030	2.004	10.7	19.7
9 8	20 59.59	− 7 31.3	1.085	2.014	15.2	20.0
9 18	20 58.33	− 8 28.3	1.159	2.025	19.2	20.3

12076 1998 FT_{70} 8 9.6 47°.15 2°.6/ 8.1 17

7 10	21 43.33	−19 55.5	1.330	2.246	14.6	18.1
7 20	21 37.11	−20 36.4	1.299	2.269	10.1	17.9
7 30	21 28.68	−21 19.6	1.291	2.293	5.4	17.7
8 9	21 19.21	−21 57.8	1.306	2.317	2.7	17.6
8 19	21 9.98	−22 25.5	1.347	2.341	6.1	17.9
8 29	21 2.27	−22 39.1	1.412	2.366	10.4	18.2
9 8	20 56.98	−22 38.0	1.499	2.391	14.2	18.5
9 18	20 54.54	−22 23.4	1.604	2.416	17.3	18.8

480213 2015 GB_{22} 8 9.6 35°.42 1°.8/10.9 16

7 10	21 38.83	− 8 57.7	1.302	2.205	15.9	20.5
7 20	21 34.02	− 9 31.8	1.263	2.223	11.4	20.2
7 30	21 27.12	−10 21.8	1.244	2.241	6.5	20.0
8 9	21 19.12	−11 22.1	1.249	2.261	2.0	19.8
8 19	21 11.21	−12 25.5	1.278	2.281	4.6	20.0
8 29	21 4.58	−13 25.0	1.332	2.302	9.2	20.3
9 8	21 0.14	−14 14.9	1.409	2.324	13.4	20.7
9 18	20 58.36	−14 52.1	1.505	2.346	16.8	20.9

363059 1999 VS_{183} 8 9.6 243°.39 6°.2/ 2.9 18

7 10	21 41.72	−35 17.6	2.567	3.457	9.4	21.4
7 20	21 35.66	−36 28.3	2.507	3.446	7.6	21.2
7 30	21 27.92	−37 31.5	2.472	3.435	6.3	21.1
8 9	21 19.18	−38 21.4	2.465	3.423	6.5	21.1
8 19	21 10.26	−38 53.8	2.484	3.412	8.0	21.2
8 29	21 2.08	−39 6.7	2.528	3.399	10.0	21.3
9 8	20 55.43	−39 0.5	2.595	3.387	12.0	21.4
9 18	20 50.87	−38 37.4	2.681	3.375	13.9	21.6

420322 2012 AH_{6} 8 9.6 169°.83 1°.7/10.7 17

7 10	21 45.50	− 9 56.7	1.782	2.662	13.4	22.1
7 20	21 38.44	−10 7.1	1.717	2.667	9.7	21.8
7 30	21 29.42	−10 28.5	1.677	2.670	5.6	21.6
8 9	21 19.28	−10 57.5	1.662	2.674	1.9	21.4
8 19	21 9.03	−11 30.0	1.675	2.676	4.1	21.5
8 29	20 59.78	−12 1.8	1.716	2.677	8.3	21.8
9 8	20 52.43	−12 29.1	1.782	2.678	12.1	22.0
9 18	20 47.56	−12 49.5	1.869	2.678	15.3	22.2

154127 2002 EW_{84} 8 9.6 11°.54 1°.6/10.9 18

7 10	21 36.90	− 8 54.4	1.817	2.707	12.7	19.3
7 20	21 32.38	− 9 25.0	1.755	2.709	9.2	19.1
7 30	21 26.21	−10 8.3	1.716	2.711	5.4	18.9
8 9	21 19.08	−11 0.6	1.703	2.714	1.8	18.6
8 19	21 11.85	−11 57.0	1.716	2.718	3.8	18.8
8 29	21 5.44	−12 51.9	1.756	2.722	7.7	19.0
9 8	21 0.64	−13 40.9	1.820	2.727	11.3	19.3
9 18	20 57.96	−14 20.7	1.905	2.732	14.4	19.5

144337 2004 DG_{30} 8 9.6 183°.00 1°.9/ 8.4 17

7 10	21 44.31	−18 41.6	1.681	2.584	12.9	20.5
7 20	21 37.76	−19 19.8	1.620	2.584	9.0	20.3
7 30	21 29.12	−20 2.1	1.583	2.584	4.8	20.1
8 9	21 19.26	−20 42.7	1.573	2.584	1.9	19.9
8 19	21 9.29	−21 16.2	1.589	2.584	5.3	20.1
8 29	21 0.40	−21 38.5	1.631	2.583	9.5	20.3
9 8	20 53.55	−21 47.8	1.697	2.581	13.3	20.6
9 18	20 49.33	−21 44.2	1.783	2.580	16.4	20.8

428545 2008 CL_{36} 8 9.6 244°.35 1°.5/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 42.71	−10 2.0	1.629	2.518	14.0	22.4
7 20	21 36.78	−10 24.2	1.553	2.507	10.2	22.1
7 30	21 28.69	−10 59.5	1.499	2.495	5.8	21.8
8 9	21 19.24	−11 44.2	1.471	2.484	1.7	21.5
8 19	21 9.48	−12 33.2	1.470	2.472	4.4	21.7
8 29	21 0.61	−13 20.6	1.495	2.459	9.0	21.9
9 8	20 53.67	−14 1.8	1.544	2.446	13.2	22.2
9 18	20 49.36	−14 33.4	1.613	2.433	16.9	22.4

468416 2016 GO_{215} 8 9.6 50°.68 2°.3/ 8.4 17

7 10	21 44.13	−18 55.5	1.256	2.172	15.3	20.8
7 20	21 37.99	−19 32.8	1.209	2.179	10.7	20.6
7 30	21 29.32	−20 14.8	1.184	2.187	5.7	20.3
8 9	21 19.27	−20 54.1	1.183	2.195	2.3	20.1
8 19	21 9.24	−21 24.1	1.206	2.203	6.2	20.4
8 29	21 0.70	−21 40.3	1.253	2.211	11.1	20.7
9 8	20 54.74	−21 41.3	1.322	2.219	15.4	21.0
9 18	20 51.92	−21 27.9	1.409	2.228	18.9	21.2

229606 2006 DM_{1} 8 9.6 174°.24 1°.7/ 8.3 17

7 10	21 42.47	−18 35.5	2.135	3.032	10.8	21.8
7 20	21 36.14	−19 19.3	2.073	3.034	7.5	21.6
7 30	21 28.14	−20 6.6	2.036	3.037	4.0	21.4
8 9	21 19.20	−20 52.4	2.027	3.038	1.7	21.3
8 19	21 10.17	−21 32.3	2.046	3.039	4.5	21.5
8 29	21 1.96	−22 2.6	2.093	3.040	8.0	21.7
9 8	20 55.35	−22 21.4	2.165	3.040	11.2	21.9
9 18	20 50.86	−22 28.6	2.259	3.039	13.9	22.1

181214 2005 SW_{197} 8 9.6 45°.90 2°.7/ 7.8 18

7 10	21 42.84	−22 55.9	2.038	2.941	11.0	20.2
7 20	21 36.43	−23 16.8	1.979	2.942	7.7	20.0
7 30	21 28.30	−23 36.8	1.944	2.943	4.4	19.8
8 9	21 19.22	−23 51.5	1.936	2.944	2.8	19.7
8 19	21 10.11	−23 57.4	1.956	2.945	5.2	19.8
8 29	21 1.95	−23 52.5	2.003	2.946	8.5	20.0
9 8	20 55.53	−23 36.4	2.074	2.947	11.7	20.2
9 18	20 51.34	−23 10.1	2.166	2.948	14.3	20.4

468075 2013 TS_{13} 8 9.6 358°.29 2°.2/ 8.4 17

7 10	21 37.34	−17 34.8	0.983	1.916	16.8	20.3
7 20	21 33.73	−18 17.5	0.933	1.912	11.8	20.0
7 30	21 27.29	−19 9.5	0.903	1.908	6.2	19.7
8 9	21 19.16	−20 2.3	0.894	1.907	2.3	19.4
8 19	21 10.88	−20 46.7	0.907	1.906	6.9	19.7
8 29	21 4.11	−21 15.9	0.940	1.908	12.4	20.0
9 8	21 0.13	−21 26.4	0.993	1.911	17.3	20.3
9 18	20 59.59	−21 18.1	1.062	1.915	21.4	20.6

416809 2005 GR_{161} 8 9.6 120°.25 0°.8/10.2 17

7 10	21 42.44	−10 2.9	1.600	2.490	14.1	21.4
7 20	21 36.39	−11 0.0	1.547	2.503	10.1	21.2
7 30	21 28.36	−12 10.7	1.517	2.515	5.5	21.0
8 9	21 19.23	−13 29.0	1.514	2.527	1.0	20.7
8 19	21 10.04	−14 47.5	1.537	2.538	4.3	20.9
8 29	21 1.93	−15 59.4	1.587	2.549	8.7	21.2
9 8	20 55.81	−16 59.7	1.661	2.560	12.7	21.5
9 18	20 52.23	−17 45.9	1.756	2.570	16.0	21.7

307992 2004 RL_{29} 8 9.6 356°.80 4°.2/ 7.4 17

7 10	21 44.99	−24 42.7	1.442	2.356	13.9	19.5
7 20	21 38.50	−25 11.2	1.388	2.355	9.9	19.3
7 30	21 29.58	−25 37.2	1.356	2.354	6.0	19.1
8 9	21 19.30	−25 53.9	1.348	2.353	4.3	19.0
8 19	21 9.00	−25 56.3	1.366	2.353	7.2	19.2
8 29	21 0.05	−25 41.9	1.408	2.353	11.2	19.4
9 8	20 53.56	−25 11.6	1.472	2.353	15.1	19.6
9 18	20 50.09	−24 28.0	1.554	2.354	18.3	19.9

52254 1981 EJ_{36} 8 9.6 314°.05 1°.4/ 8.9 18

7 10	21 41.17	−16 59.5	1.292	2.209	15.0	18.4
7 20	21 36.22	−17 26.1	1.217	2.187	10.6	18.1
7 30	21 28.62	−18 1.0	1.163	2.166	5.6	17.8
8 9	21 19.27	−18 38.3	1.133	2.146	1.4	17.4
8 19	21 9.45	−19 11.3	1.126	2.126	5.9	17.7
8 29	21 0.71	−19 34.0	1.143	2.106	11.2	17.9
9 8	20 54.35	−19 43.0	1.181	2.088	16.1	18.1
9 18	20 51.21	−19 37.5	1.237	2.070	20.2	18.3

437625 2014 BL_{27} 8 9.6 177°.65 1°.2/10.6 18

7 10	21 41.53	−10 33.2	2.080	2.962	11.7	22.2
7 20	21 35.49	−10 54.0	2.012	2.963	8.4	22.0
7 30	21 27.82	−11 24.3	1.969	2.964	4.8	21.7
8 9	21 19.22	−12 0.9	1.953	2.965	1.3	21.5
8 19	21 10.50	−12 39.8	1.964	2.965	3.6	21.7
8 29	21 2.57	−13 17.1	2.004	2.965	7.3	21.9
9 8	20 56.18	−13 49.3	2.069	2.964	10.7	22.1
9 18	20 51.85	−14 14.2	2.156	2.963	13.6	22.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
144170 2004 BK_{108}			8 9.6 189°.76		2°.9/ 7.7 17	
	h m	° ′			°	m
7 10	21 44.63	−21 3.8	1.738	2.643	12.4	20.5
7 20	21 37.99	−21 53.0	1.678	2.642	8.7	20.2
7 30	21 29.26	−22 44.3	1.641	2.641	4.9	20.0
8 9	21 19.31	−23 31.3	1.631	2.640	2.9	19.9
8 19	21 9.23	−24 8.2	1.648	2.638	5.9	20.1
8 29	21 0.20	−24 31.1	1.692	2.635	9.8	20.3
9 8	20 53.19	−24 38.7	1.758	2.632	13.4	20.5
9 18	20 48.81	−24 31.8	1.845	2.629	16.4	20.7
389090 2008 XX_{31}			8 9.7 43°.62		8°.3/ 4.3 17	
7 10	21 44.30	−33 15.5	1.434	2.347	14.0	19.6
7 20	21 38.01	−34 34.8	1.407	2.362	10.9	19.5
7 30	21 29.27	−35 41.8	1.401	2.378	8.6	19.4
8 9	21 19.31	−36 27.4	1.419	2.395	8.6	19.4
8 19	21 9.53	−36 46.3	1.461	2.412	10.6	19.6
8 29	21 1.35	−36 37.6	1.525	2.429	13.4	19.8
9 8	20 55.77	−36 4.4	1.609	2.447	16.2	20.1
9 18	20 53.26	−35 12.0	1.710	2.465	18.6	20.3
463410 2013 HJ_{44}			8 9.7 125°.23		2°.1/ 8.6 17	
7 10	21 47.58	−19 4.0	1.340	2.249	15.1	21.4
7 20	21 40.34	−19 32.2	1.290	2.257	10.6	21.2
7 30	21 30.56	−20 4.1	1.262	2.264	5.6	20.9
8 9	21 19.40	−20 33.1	1.259	2.271	2.1	20.7
8 19	21 8.25	−20 53.4	1.281	2.277	6.0	21.0
8 29	20 58.60	−21 1.1	1.328	2.284	10.8	21.3
9 8	20 51.54	−20 55.4	1.397	2.289	15.0	21.6
9 18	20 47.66	−20 37.2	1.485	2.295	18.5	21.8
487781 2015 RP_{224}			8 9.7 260°.31		1°.2/ 8.5 18	
7 10	21 38.56	−17 53.7	2.594	3.489	9.2	22.0
7 20	21 33.30	−18 32.7	2.512	3.473	6.4	21.8
7 30	21 26.66	−19 15.6	2.455	3.456	3.4	21.6
8 9	21 19.17	−19 58.7	2.427	3.439	1.2	21.4
8 19	21 11.48	−20 38.2	2.427	3.422	3.8	21.5
8 29	21 4.33	−21 11.0	2.456	3.404	6.9	21.7
9 8	20 58.38	−21 34.8	2.510	3.386	9.8	21.9
9 18	20 54.12	−21 48.6	2.587	3.368	12.3	22.0
355008 2006 QT_{43}			8 9.7 253°.88		5°.1/ 5.9 18	
7 10	21 45.42	−30 18.9	2.143	3.040	10.8	20.5
7 20	21 38.37	−30 53.6	2.076	3.029	8.1	20.4
7 30	21 29.41	−31 22.0	2.033	3.018	5.8	20.2
8 9	21 19.35	−31 38.7	2.018	3.006	5.3	20.1
8 19	21 9.19	−31 39.8	2.029	2.994	7.1	20.2
8 29	20 59.97	−31 23.6	2.067	2.982	9.9	20.4
9 8	20 52.59	−30 51.1	2.129	2.970	12.7	20.6
9 18	20 47.61	−30 4.9	2.211	2.958	15.1	20.7
251583 2009 FZ_{68}			8 9.7 22°.03		3°.2/11.8 18	
7 10	21 37.38	− 6 28.8	1.444	2.336	15.2	19.6
7 20	21 32.95	− 6 39.0	1.395	2.347	11.3	19.4
7 30	21 26.58	− 7 6.3	1.368	2.359	7.0	19.2
8 9	21 19.17	− 7 47.0	1.364	2.372	3.5	19.0
8 19	21 11.76	− 8 36.0	1.385	2.386	4.7	19.1
8 29	21 5.43	− 9 27.2	1.430	2.400	8.7	19.4
9 8	21 1.06	−10 14.6	1.499	2.416	12.6	19.6
9 18	20 59.15	−10 54.2	1.588	2.433	15.9	19.9
96739 1999 NE_{56}			8 9.7 321°.45		7°.7/13.2 18	
7 10	21 41.11	− 0 4.0	1.453	2.315	16.9	18.5
7 20	21 35.91	+ 1 0.1	1.372	2.297	13.7	18.3
7 30	21 28.38	+ 1 45.7	1.312	2.278	10.4	18.0
8 9	21 19.30	+ 2 10.5	1.275	2.261	8.0	17.9
8 19	21 9.78	+ 2 14.0	1.261	2.244	8.3	17.8
8 29	21 1.11	+ 1 58.8	1.271	2.227	11.0	17.9
9 8	20 54.46	+ 1 30.7	1.302	2.212	14.7	18.1
9 18	20 50.63	+ 0 56.1	1.353	2.197	18.2	18.3
444111 2004 TP_{119}			8 9.7 299°.30		1°.9/11.0 18	
7 10	21 39.88	− 9 40.8	2.154	3.033	11.4	20.8
7 20	21 34.34	− 9 35.2	2.077	3.025	8.4	20.6
7 30	21 27.25	− 9 38.4	2.024	3.017	5.0	20.3
8 9	21 19.22	− 9 48.6	1.999	3.009	2.1	20.1
8 19	21 11.05	−10 3.2	2.000	3.001	3.6	20.2
8 29	21 3.56	−10 19.2	2.030	2.993	7.1	20.4
9 8	20 57.50	−10 33.9	2.084	2.985	10.4	20.6
9 18	20 53.41	−10 44.9	2.161	2.977	13.3	20.8
74998 1999 TV_{276}			8 9.7 112°.62		0°.7/10.1 18	
7 10	21 45.93	−11 54.2	1.849	2.732	12.9	19.5
7 20	21 38.51	−12 23.2	1.805	2.758	9.1	19.3
7 30	21 29.37	−13 0.8	1.785	2.782	4.9	19.1
8 9	21 19.36	−13 42.7	1.792	2.806	0.8	18.8
8 19	21 9.47	−14 24.0	1.828	2.828	3.9	19.1
8 29	21 0.69	−15 0.7	1.892	2.850	7.8	19.4
9 8	20 53.81	−15 29.7	1.980	2.871	11.3	19.7
9 18	20 49.27	−15 49.7	2.091	2.891	14.2	19.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
361528 2007 GK_{35}			8 9.7 350°.36		4°.6/ 5.7 18	
	h m	° ′			°	m
7 10	21 40.12	−27 48.8	2.148	3.054	10.3	20.4
7 20	21 34.59	−28 41.4	2.092	3.052	7.6	20.3
7 30	21 27.39	−29 30.4	2.062	3.051	5.2	20.1
8 9	21 19.24	−30 10.2	2.057	3.050	4.7	20.1
8 19	21 11.02	−30 36.6	2.080	3.049	6.6	20.2
8 29	21 3.65	−30 47.0	2.128	3.048	9.4	20.4
9 8	20 57.92	−30 41.2	2.199	3.047	12.1	20.6
9 18	20 54.34	−30 20.8	2.291	3.047	14.4	20.7
233933 2009 UY_{146}			8 9.7 107°.24		3°.9/12.3 17	
7 10	21 43.12	− 4 35.0	1.870	2.733	13.6	20.4
7 20	21 36.63	− 4 19.4	1.812	2.746	10.3	20.2
7 30	21 28.44	− 4 18.0	1.778	2.758	6.8	20.1
8 9	21 19.32	− 4 29.2	1.769	2.770	4.1	19.9
8 19	21 10.19	− 4 50.2	1.788	2.782	4.8	20.0
8 29	21 2.00	− 5 17.4	1.833	2.794	7.9	20.2
9 8	20 55.55	− 5 46.4	1.903	2.805	11.2	20.4
9 18	20 51.33	− 6 13.6	1.996	2.816	14.1	20.6
376977 2002 NJ_{69}			8 9.7 52°.02		4°.6/12.2 17	
7 10	21 43.23	− 5 14.7	1.218	2.107	17.7	20.4
7 20	21 37.25	− 4 59.8	1.175	2.123	13.3	20.2
7 30	21 28.92	− 5 4.9	1.151	2.139	8.6	19.9
8 9	21 19.35	− 5 27.4	1.150	2.155	4.9	19.8
8 19	21 9.87	− 6 2.6	1.173	2.172	5.9	19.9
8 29	21 1.82	− 6 44.1	1.220	2.189	10.0	20.2
9 8	20 56.22	− 7 25.1	1.289	2.206	14.2	20.5
9 18	20 53.61	− 8 0.8	1.377	2.224	17.8	20.8
364472 2007 DL_{16}			8 9.7 250°.15		1°.0/ 8.7 18	
7 10	21 38.71	−16 37.2	2.375	3.270	9.9	21.5
7 20	21 33.50	−17 23.5	2.298	3.259	6.9	21.3
7 30	21 26.81	−18 15.3	2.247	3.248	3.6	21.1
8 9	21 19.23	−19 8.2	2.224	3.237	1.1	20.8
8 19	21 11.45	−19 57.9	2.229	3.225	3.9	21.0
8 29	21 4.28	−20 40.6	2.262	3.213	7.2	21.2
9 8	20 58.42	−21 13.5	2.321	3.201	10.3	21.4
9 18	20 54.38	−21 35.4	2.402	3.189	13.0	21.6
510868 2013 CH_{108}			8 9.7 87°.14		2°.2/ 8.1 18	
7 10	21 42.79	−21 44.0	2.153	3.052	10.6	21.4
7 20	21 36.28	−22 2.0	2.101	3.063	7.4	21.2
7 30	21 28.20	−22 19.8	2.074	3.073	4.1	21.0
8 9	21 19.31	−22 33.5	2.074	3.083	2.2	20.9
8 19	21 10.47	−22 40.0	2.103	3.094	4.6	21.1
8 29	21 2.56	−22 37.3	2.158	3.104	7.9	21.3
9 8	20 56.30	−22 24.9	2.239	3.114	10.9	21.5
9 18	20 52.13	−22 3.5	2.341	3.124	13.4	21.7
3586 Vasnetsov			8 9.7 37°.97		6°.4/ 6.6 18	R
7 10	21 47.17	−29 7.5	1.308	2.223	14.9	16.1
7 20	21 40.15	−29 44.7	1.267	2.231	11.0	15.9
7 30	21 30.47	−30 13.6	1.249	2.240	7.5	15.8
8 9	21 19.46	−30 26.1	1.254	2.249	6.5	15.7
8 19	21 8.63	−30 17.3	1.282	2.259	9.0	15.9
8 29	20 59.52	−29 46.7	1.335	2.269	12.6	16.2
9 8	20 53.22	−28 57.1	1.408	2.279	16.2	16.4
9 18	20 50.21	−27 53.1	1.499	2.290	19.2	16.7
199354 2006 BR_{179}			8 9.7 25°.36		1°.0/ 9.1 17	
7 10	21 41.48	−16 40.2	1.310	2.225	14.9	19.7
7 20	21 36.03	−16 59.6	1.264	2.233	10.4	19.4
7 30	21 28.29	−17 25.8	1.239	2.242	5.4	19.2
8 9	21 19.32	−17 52.9	1.238	2.251	1.0	18.9
8 19	21 10.39	−18 15.6	1.261	2.262	5.2	19.2
8 29	21 2.81	−18 29.6	1.309	2.273	10.0	19.5
9 8	20 57.58	−18 32.6	1.379	2.284	14.3	19.8
9 18	20 55.22	−18 24.2	1.467	2.297	17.8	20.1
372862 2010 VX_{196}			8 9.7 232°.59		2°.5/ 8.1 18	
7 10	21 45.95	−20 34.9	1.778	2.679	12.4	21.6
7 20	21 39.02	−21 9.5	1.705	2.667	8.8	21.4
7 30	21 29.90	−21 46.5	1.656	2.655	4.8	21.1
8 9	21 19.44	−22 20.2	1.633	2.643	2.5	20.9
8 19	21 8.72	−22 45.3	1.638	2.630	5.6	21.1
8 29	20 58.97	−22 58.1	1.669	2.616	9.7	21.3
9 8	20 51.21	−22 57.3	1.725	2.601	13.4	21.5
9 18	20 46.11	−22 43.6	1.800	2.586	16.7	21.7
510773 2013 AX_{48}			8 9.7 293°.58		1°.7/ 8.5 18	
7 10	21 40.82	−17 33.2	1.725	2.631	12.4	20.8
7 20	21 35.56	−18 18.7	1.641	2.606	8.8	20.6
7 30	21 28.15	−19 11.6	1.579	2.581	4.7	20.3
8 9	21 19.33	−20 6.1	1.544	2.556	1.7	20.0
8 19	21 10.09	−20 56.0	1.535	2.531	5.3	20.2
8 29	21 1.60	−21 35.8	1.552	2.506	9.7	20.4
9 8	20 54.93	−22 2.0	1.593	2.481	13.7	20.6
9 18	20 50.82	−22 13.6	1.653	2.456	17.2	20.8

272235 2005 QG_{114} 8 9.7 315°.92 3°.0/11.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 38.07	− 5 55.7	1.374	2.266	15.9	20.7
7 20	21 33.82	− 6 28.5	1.300	2.252	11.9	20.5
7 30	21 27.29	− 7 22.8	1.247	2.239	7.4	20.2
8 9	21 19.28	− 8 34.5	1.217	2.226	3.3	19.9
8 19	21 10.91	− 9 57.1	1.211	2.213	4.9	20.0
8 29	21 3.45	−11 22.0	1.230	2.201	9.7	20.2
9 8	20 58.07	−12 40.7	1.272	2.190	14.3	20.4
9 18	20 55.49	−13 47.2	1.333	2.179	18.3	20.7

442116 2010 TA_{169} 8 9.7 325°.70 3°.3/11.9 18

7 10	21 40.13	− 6 10.0	1.975	2.846	12.7	20.7
7 20	21 34.62	− 5 53.6	1.902	2.842	9.6	20.5
7 30	21 27.45	− 5 49.3	1.852	2.837	6.2	20.3
8 9	21 19.29	− 5 55.7	1.828	2.832	3.6	20.1
8 19	21 10.97	− 6 10.6	1.831	2.828	4.4	20.2
8 29	21 3.41	− 6 30.8	1.861	2.824	7.6	20.3
9 8	20 57.40	− 6 52.5	1.915	2.820	11.0	20.5
9 18	20 53.48	− 7 12.7	1.992	2.816	13.9	20.7

498128 2007 TX_{26} 8 9.7 323°.79 7°.3/ 6.2 17

7 10	21 43.82	−27 56.7	1.052	1.981	16.4	20.7
7 20	21 38.69	−28 49.4	0.990	1.962	12.3	20.4
7 30	21 30.17	−29 37.5	0.948	1.944	8.4	20.1
8 9	21 19.47	−30 9.6	0.928	1.927	7.5	20.0
8 19	21 8.35	−30 16.8	0.929	1.910	10.6	20.1
8 29	20 58.84	−29 54.8	0.950	1.895	15.3	20.3
9 8	20 52.54	−29 5.8	0.990	1.881	19.9	20.5
9 18	20 50.25	−27 55.1	1.045	1.868	23.8	20.8

84958 2003 XS_{13} 8 9.7 319°.24 1°.3/ 8.7 18

7 10	21 39.55	−16 31.7	1.632	2.540	12.9	19.1
7 20	21 34.58	−17 17.7	1.565	2.531	9.0	18.9
7 30	21 27.56	−18 11.4	1.520	2.522	4.7	18.6
8 9	21 19.30	−19 7.0	1.501	2.514	1.3	18.4
8 19	21 10.81	−19 58.1	1.508	2.506	5.0	18.6
8 29	21 3.25	−20 39.4	1.541	2.498	9.4	18.8
9 8	20 57.58	−21 7.6	1.596	2.491	13.4	19.1
9 18	20 54.44	−21 21.3	1.672	2.483	16.7	19.3

449728 2014 NQ_{21} 8 9.7 259°.37 7°.6/16.9 17

7 10	21 37.84	+10 31.7	2.579	3.351	12.9	21.1
7 20	21 32.80	+11 5.0	2.494	3.343	11.1	21.0
7 30	21 26.42	+11 19.8	2.430	3.334	9.3	20.9
8 9	21 19.23	+11 14.9	2.390	3.324	8.0	20.8
8 19	21 11.84	+10 50.8	2.375	3.315	7.6	20.7
8 29	21 4.95	+10 9.9	2.385	3.306	8.5	20.8
9 8	20 59.20	+ 9 16.6	2.421	3.296	10.1	20.9
9 18	20 55.07	+ 8 15.8	2.480	3.287	12.0	21.0

61498 2000 QM_{50} 8 9.7 64°.99 2°.9/12.2 18

7 10	21 38.67	− 3 37.2	1.589	2.465	15.0	18.9
7 20	21 33.86	− 4 39.4	1.528	2.470	11.2	18.7
7 30	21 27.13	− 6 3.0	1.488	2.476	7.0	18.5
8 9	21 19.28	− 7 42.9	1.474	2.482	3.3	18.2
8 19	21 11.28	− 9 31.1	1.486	2.487	4.4	18.3
8 29	21 4.22	−11 18.7	1.525	2.493	8.5	18.6
9 8	20 59.00	−12 57.7	1.589	2.499	12.4	18.8
9 18	20 56.19	−14 22.5	1.674	2.505	15.9	19.1

230319 2002 CH_{40} 8 9.7 146°.04 3°.7/12.6 18

7 10	21 42.93	− 3 23.4	2.259	3.108	12.1	21.0
7 20	21 36.32	− 3 15.4	2.195	3.119	9.3	20.8
7 30	21 28.24	− 3 20.3	2.155	3.130	6.2	20.6
8 9	21 19.35	− 3 36.7	2.142	3.140	3.9	20.5
8 19	21 10.41	− 4 2.1	2.157	3.149	4.4	20.5
8 29	21 2.24	− 4 33.3	2.200	3.157	7.0	20.7
9 8	20 55.53	− 5 6.3	2.270	3.165	9.9	20.9
9 18	20 50.73	− 5 37.9	2.363	3.173	12.5	21.1

326191 2012 CK_{7} 8 9.7 190°.35 0°.1/ 9.8 18

7 10	21 38.42	−13 34.4	2.690	3.574	9.3	21.9
7 20	21 33.09	−14 3.0	2.619	3.573	6.5	21.8
7 30	21 26.52	−14 37.4	2.574	3.572	3.5	21.6
8 9	21 19.24	−15 14.5	2.557	3.570	0.3	21.3
8 19	21 11.86	−15 51.2	2.569	3.569	3.0	21.5
8 29	21 5.05	−16 24.5	2.610	3.566	6.1	21.7
9 8	20 59.40	−16 52.0	2.677	3.564	8.9	21.9
9 18	20 55.33	−17 12.3	2.767	3.561	11.3	22.1

97793 2000 NJ_{13} 8 9.7 342°.31 4°.4/11.3 18

7 10	21 41.39	− 8 50.3	1.008	1.920	18.6	18.1
7 20	21 36.66	− 8 3.5	0.946	1.909	14.0	17.8
7 30	21 28.96	− 7 32.4	0.904	1.899	8.8	17.5
8 9	21 19.41	− 7 16.6	0.882	1.890	4.6	17.2
8 19	21 9.51	− 7 13.7	0.881	1.883	6.5	17.3
8 29	21 1.01	− 7 19.5	0.903	1.877	11.7	17.6
9 8	20 55.33	− 7 28.4	0.943	1.872	16.9	17.8
9 18	20 53.23	− 7 35.5	1.000	1.868	21.3	18.1

185147 2006 SN_{159} 8 9.7 138°.03 2°.5/ 7.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 45.37	−20 12.5	1.743	2.645	12.5	21.1
7 20	21 38.41	−20 58.2	1.692	2.655	8.7	20.9
7 30	21 29.46	−21 46.0	1.665	2.665	4.8	20.6
8 9	21 19.43	−22 29.9	1.665	2.674	2.5	20.5
8 19	21 9.39	−23 4.4	1.692	2.683	5.5	20.7
8 29	21 0.49	−23 26.1	1.745	2.691	9.4	21.0
9 8	20 53.63	−23 33.7	1.822	2.699	12.9	21.2
9 18	20 49.33	−23 28.0	1.920	2.706	15.8	21.4

322017 2010 UY_{100} 8 9.7 262°.15 0°.8/10.3 18

7 10	21 40.19	−12 26.6	2.269	3.154	10.7	20.5
7 20	21 34.50	−12 30.5	2.196	3.149	7.7	20.3
7 30	21 27.33	−12 41.0	2.149	3.145	4.3	20.1
8 9	21 19.30	−12 55.8	2.128	3.141	1.0	19.9
8 19	21 11.15	−13 12.0	2.136	3.137	3.3	20.1
8 29	21 3.71	−13 26.9	2.172	3.132	6.8	20.3
9 8	20 57.65	−13 38.1	2.233	3.128	10.0	20.5
9 18	20 53.48	−13 44.0	2.317	3.124	12.8	20.7

515072 2010 OF_{58} 8 9.7 264°.12 4°.2/ 6.7 18

7 10	21 44.17	−28 14.9	2.233	3.131	10.3	21.3
7 20	21 37.35	−28 37.9	2.171	3.127	7.6	21.1
7 30	21 28.84	−28 56.0	2.134	3.124	5.0	20.9
8 9	21 19.40	−29 4.7	2.124	3.120	4.3	20.9
8 19	21 9.92	−29 0.6	2.142	3.116	6.1	21.0
8 29	21 1.38	−28 42.6	2.186	3.112	8.9	21.2
9 8	20 54.53	−28 11.3	2.255	3.107	11.7	21.3
9 18	20 49.90	−27 28.6	2.346	3.103	14.0	21.5

80354 1999 XJ_{121} 8 9.7 231°.53 0°.0/ 9.7 18

7 10	21 44.03	−13 59.2	1.807	2.699	12.7	20.4
7 20	21 37.61	−14 25.4	1.730	2.688	9.0	20.1
7 30	21 29.16	−14 59.9	1.677	2.676	4.8	19.9
8 9	21 19.43	−15 38.4	1.650	2.664	0.3	19.5
8 19	21 9.42	−16 16.2	1.651	2.651	4.3	19.8
8 29	21 0.27	−16 48.6	1.679	2.638	8.7	20.0
9 8	20 52.93	−17 12.4	1.732	2.624	12.6	20.2
9 18	20 48.08	−17 26.0	1.805	2.609	16.0	20.4

7711 Říp 8 9.7 285°.87 5°.5/ 4.4 18

7 10	21 41.65	−30 31.1	2.250	3.150	10.2	17.6
7 20	21 35.89	−31 38.7	2.171	3.125	7.7	17.4
7 30	21 28.24	−32 42.5	2.118	3.099	5.9	17.2
8 9	21 19.37	−33 36.1	2.091	3.072	5.8	17.2
8 19	21 10.18	−34 14.0	2.091	3.046	7.7	17.3
8 29	21 1.67	−34 33.1	2.117	3.019	10.3	17.4
9 8	20 54.77	−34 32.7	2.166	2.992	13.0	17.5
9 18	20 50.12	−34 14.5	2.234	2.965	15.4	17.7

260194 2004 RJ_{158} 8 9.7 284°.28 4°.8/14.1 18

7 10	21 36.94	+ 1 8.6	2.253	3.091	12.5	20.6
7 20	21 32.31	+ 1 0.8	2.167	3.079	10.0	20.4
7 30	21 26.22	+ 0 35.9	2.104	3.066	7.3	20.2
8 9	21 19.24	− 0 5.3	2.066	3.054	5.2	20.0
8 19	21 12.04	− 1 0.1	2.055	3.041	5.2	20.0
8 29	21 5.39	− 2 4.2	2.070	3.029	7.3	20.1
9 8	21 0.01	− 3 12.2	2.112	3.016	10.1	20.3
9 18	20 56.42	− 4 19.2	2.177	3.004	12.8	20.4

341977 2008 QC_{38} 8 9.7 324°.13 4°.6/13.3 18

7 10	21 36.09	− 0 57.8	1.412	2.288	16.5	20.9
7 20	21 32.38	− 1 39.1	1.334	2.273	12.9	20.7
7 30	21 26.52	− 2 47.8	1.277	2.259	8.7	20.4
8 9	21 19.26	− 4 21.0	1.242	2.245	5.2	20.2
8 19	21 11.63	− 6 11.9	1.232	2.232	5.5	20.1
8 29	21 4.84	− 8 10.3	1.247	2.219	9.5	20.3
9 8	20 59.99	−10 5.6	1.286	2.208	13.9	20.6
9 18	20 57.82	−11 49.0	1.345	2.197	17.8	20.8

141562 2002 GY_{86} 8 9.7 221°.49 0°.1/ 9.8 18

7 10	21 37.57	−11 50.5	2.466	3.350	10.0	20.0
7 20	21 32.64	−12 51.7	2.391	3.345	7.1	19.8
7 30	21 26.36	−14 2.0	2.341	3.340	3.8	19.6
8 9	21 19.25	−15 17.1	2.321	3.334	0.3	19.3
8 19	21 11.97	−16 32.2	2.329	3.329	3.3	19.6
8 29	21 5.25	−17 42.5	2.366	3.323	6.6	19.8
9 8	20 59.74	−18 44.2	2.430	3.316	9.7	20.0
9 18	20 55.92	−19 34.9	2.517	3.310	12.3	20.1

349834 2009 CB_{23} 8 9.7 276°.79 1°.1/10.6 18

7 10	21 39.08	− 9 48.7	1.864	2.752	12.6	20.8
7 20	21 34.08	−10 28.6	1.785	2.739	9.1	20.6
7 30	21 27.27	−11 21.5	1.730	2.726	5.2	20.3
8 9	21 19.31	−12 23.3	1.700	2.713	1.3	20.0
8 19	21 11.08	−13 28.8	1.698	2.699	3.9	20.2
8 29	21 3.56	−14 32.1	1.722	2.686	8.1	20.4
9 8	20 57.64	−15 28.1	1.772	2.673	11.9	20.6
9 18	20 53.95	−16 13.5	1.842	2.659	15.2	20.8

444447 2006 DR_{80} 8 9.7 230°.60 2°.3/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 36.69	− 5 18.3	2.574	3.436	10.4	21.4
7 20	21 31.95	− 5 46.2	2.495	3.431	7.8	21.2
7 30	21 25.95	− 6 26.0	2.442	3.426	4.9	21.0
8 9	21 19.23	− 7 15.1	2.415	3.421	2.6	20.9
8 19	21 12.36	− 8 10.3	2.417	3.416	3.3	20.9
8 29	21 6.02	− 9 7.7	2.448	3.411	6.0	21.1
9 8	21 0.81	−10 3.2	2.505	3.405	8.9	21.3
9 18	20 57.17	−10 53.7	2.586	3.400	11.4	21.4

296498 2009 JB_{12} 8 9.7 55°.51 5°.6/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.50	+ 2 41.3	1.964	2.801	14.1	20.2
7 20	21 32.73	+ 2 30.8	1.901	2.810	11.3	20.0
7 30	21 26.43	+ 1 59.8	1.860	2.819	8.3	19.9
8 9	21 19.27	+ 1 10.1	1.844	2.829	6.0	19.8
8 19	21 12.03	+ 0 5.2	1.853	2.838	5.8	19.8
8 29	21 5.57	− 1 9.4	1.889	2.848	7.9	19.9
9 8	21 0.58	− 2 27.2	1.950	2.858	10.6	20.1
9 18	20 57.57	− 3 42.3	2.034	2.868	13.4	20.3

287754 2003 SX_{40} 8 9.7 310°.42 2°.5/ 8.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 44.42	−23 27.4	2.099	2.998	10.9	20.3
7 20	21 37.66	−23 26.2	2.023	2.984	7.7	20.1
7 30	21 29.09	−23 22.8	1.971	2.969	4.4	19.8
8 9	21 19.46	−23 13.6	1.947	2.955	2.5	19.7
8 19	21 9.71	−22 55.9	1.951	2.942	5.0	19.8
8 29	21 0.83	−22 28.3	1.982	2.928	8.4	20.0
9 8	20 53.68	−21 51.2	2.039	2.915	11.7	20.2
9 18	20 48.79	−21 5.8	2.117	2.902	14.5	20.4

117325 2004 WU_{8} 8 9.7 324°.41 4°.3/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.10	−25 47.3	2.036	2.945	10.7	19.2
7 20	21 34.04	−26 52.4	1.975	2.938	7.7	19.0
7 30	21 27.21	−27 56.4	1.938	2.931	5.1	18.8
8 9	21 19.34	−28 53.0	1.927	2.924	4.5	18.7
8 19	21 11.31	−29 36.6	1.944	2.917	6.6	18.9
8 29	21 4.08	−30 4.0	1.986	2.911	9.7	19.0
9 8	20 58.50	−30 13.9	2.051	2.905	12.6	19.2
9 18	20 55.12	−30 7.3	2.136	2.899	15.1	19.4

228028 2008 FY_{117} 8 9.7 12°.37 0°.8/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.55	−15 43.8	1.169	2.089	15.9	20.2
7 20	21 35.67	−16 10.7	1.120	2.092	11.2	19.9
7 30	21 28.26	−16 47.0	1.091	2.095	5.9	19.7
8 9	21 19.41	−17 26.1	1.085	2.099	0.8	19.3
8 19	21 10.50	−18 1.2	1.103	2.104	5.6	19.7
8 29	21 2.99	−18 26.6	1.143	2.110	10.8	20.0
9 8	20 58.01	−18 39.2	1.205	2.117	15.4	20.3
9 18	20 56.14	−18 38.0	1.284	2.125	19.2	20.6

254286 2004 RG_{219} 8 9.7 299°.59 2°.6/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.04	− 7 48.3	2.171	3.044	11.6	20.1
7 20	21 34.47	− 7 37.2	2.095	3.038	8.6	19.9
7 30	21 27.37	− 7 36.1	2.043	3.031	5.4	19.7
8 9	21 19.36	− 7 43.4	2.018	3.025	2.7	19.5
8 19	21 11.20	− 7 56.9	2.021	3.019	3.8	19.6
8 29	21 3.72	− 8 13.8	2.050	3.013	7.0	19.8
9 8	20 57.67	− 8 30.8	2.106	3.007	10.3	20.0
9 18	20 53.54	− 8 45.4	2.183	3.001	13.1	20.1

452362 2001 VH_{125} 8 9.7 274°.49 4°.5/ 6.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 45.12	−20 18.9	1.186	2.106	15.8	21.5
7 20	21 39.56	−21 51.9	1.110	2.081	11.3	21.2
7 30	21 30.75	−23 36.2	1.055	2.056	6.6	20.9
8 9	21 19.60	−25 20.1	1.023	2.030	4.7	20.7
8 19	21 7.60	−26 50.7	1.016	2.004	8.9	20.8
8 29	20 56.66	−27 57.4	1.031	1.977	14.3	21.1
9 8	20 48.49	−28 35.8	1.066	1.950	19.4	21.3
9 18	20 44.18	−28 46.7	1.117	1.922	23.7	21.5

108453 2001 KW_{49} 8 9.7 49°.90 0°.7/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.30	−12 39.1	1.235	2.143	16.2	19.4
7 20	21 37.32	−12 55.7	1.195	2.159	11.4	19.2
7 30	21 29.00	−13 23.9	1.175	2.176	6.2	18.9
8 9	21 19.46	−13 58.3	1.180	2.193	0.9	18.6
8 19	21 10.05	−14 32.9	1.208	2.211	4.9	18.9
8 29	21 2.12	−15 2.3	1.261	2.229	9.9	19.3
9 8	20 56.67	−15 22.6	1.336	2.247	14.3	19.6
9 18	20 54.18	−15 32.3	1.430	2.266	17.8	19.9

50563 2000 EF_{36} 8 9.7 233°.07 2°.7/ 7.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.52	−19 23.7	1.634	2.542	12.9	18.6
7 20	21 36.73	−20 28.6	1.570	2.536	9.0	18.4
7 30	21 28.76	−21 38.9	1.530	2.531	4.9	18.2
8 9	21 19.46	−22 47.1	1.516	2.525	2.8	18.0
8 19	21 9.94	−23 46.1	1.528	2.519	6.0	18.2
8 29	21 1.41	−24 30.4	1.566	2.513	10.2	18.4
9 8	20 54.90	−24 57.5	1.627	2.506	14.0	18.6
9 18	20 51.07	−25 7.3	1.707	2.500	17.2	18.9

158824 2003 UY_{254} 8 9.7 137°.26 5°.4/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 36.57	+ 4 34.1	2.498	3.312	12.1	20.0
7 20	21 31.89	+ 4 29.2	2.423	3.314	9.9	19.9
7 30	21 25.94	+ 4 6.9	2.371	3.316	7.6	19.7
8 9	21 19.28	+ 3 28.1	2.344	3.317	5.8	19.6
8 19	21 12.50	+ 2 35.1	2.344	3.319	5.5	19.6
8 29	21 6.28	+ 1 31.8	2.371	3.321	7.0	19.7
9 8	21 1.23	+ 0 23.1	2.424	3.322	9.2	19.8
9 18	20 57.77	− 0 46.1	2.501	3.324	11.5	20.0

64717 2001 XH_{100} 8 9.7 256°.06 3°.4/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.68	−23 9.4	2.180	3.085	10.2	19.2
7 20	21 34.36	−24 16.3	2.114	3.078	7.3	19.0
7 30	21 27.37	−25 24.3	2.073	3.070	4.4	18.8
8 9	21 19.37	−26 27.6	2.060	3.062	3.5	18.7
8 19	21 11.18	−27 20.8	2.074	3.054	5.8	18.9
8 29	21 3.72	−27 59.9	2.115	3.046	8.8	19.0
9 8	20 57.77	−28 23.2	2.180	3.038	11.8	19.2
9 18	20 53.89	−28 31.2	2.265	3.029	14.3	19.4

276888 2004 RM_{323} 8 9.7 5°.40 9°.2/13.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 24.21	− 4 32.6	0.602	1.547	22.3	18.2
7 20	21 24.95	− 2 47.6	0.572	1.546	17.8	18.0
7 30	21 22.81	− 1 33.4	0.556	1.549	13.1	17.7
8 9	21 19.07	− 0 54.0	0.556	1.557	9.7	17.6
8 19	21 15.30	− 0 48.0	0.571	1.570	9.8	17.7
8 29	21 13.14	− 1 7.6	0.603	1.587	13.1	18.0
9 8	21 13.75	− 1 41.0	0.650	1.609	17.4	18.3
9 18	21 17.56	− 2 17.2	0.712	1.634	21.3	18.7

314354 2005 TY_{136} 8 9.7 255°.36 1°.1/ 8.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.88	−17 28.9	2.441	3.335	9.7	22.3
7 20	21 34.35	−18 4.8	2.358	3.318	6.8	22.1
7 30	21 27.32	−18 45.0	2.301	3.301	3.6	21.8
8 9	21 19.37	−19 25.7	2.272	3.284	1.1	21.6
8 19	21 11.20	−20 3.0	2.271	3.267	3.9	21.8
8 29	21 3.61	−20 33.5	2.299	3.249	7.2	22.0
9 8	20 57.31	−20 54.9	2.352	3.231	10.3	22.2
9 18	20 52.83	−21 6.4	2.427	3.212	12.9	22.3

284825 2009 AS_{42} 8 9.7 278°.39 1°.4/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.79	−17 10.4	1.815	2.719	12.1	21.2
7 20	21 35.31	−17 51.2	1.748	2.712	8.4	21.0
7 30	21 27.92	−18 37.9	1.704	2.705	4.4	20.7
8 9	21 19.41	−19 25.4	1.686	2.699	1.4	20.5
8 19	21 10.71	−20 8.1	1.696	2.692	4.7	20.7
8 29	21 2.87	−20 41.7	1.731	2.686	8.8	20.9
9 8	20 56.80	−21 3.4	1.791	2.679	12.5	21.1
9 18	20 53.08	−21 12.5	1.871	2.672	15.6	21.3

509970 2009 SZ_{323} 8 9.7 287°.33 6°.3/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 46.08	−28 47.1	1.536	2.446	13.4	22.1
7 20	21 39.63	−29 43.1	1.464	2.425	10.1	21.8
7 30	21 30.48	−30 34.8	1.414	2.403	7.1	21.6
8 9	21 19.59	−31 13.5	1.388	2.381	6.5	21.5
8 19	21 8.30	−31 31.9	1.388	2.359	9.0	21.6
8 29	20 58.14	−31 26.6	1.412	2.337	12.8	21.7
9 8	20 50.42	−30 58.1	1.456	2.315	16.5	21.9
9 18	20 45.92	−30 10.2	1.519	2.293	19.8	22.1

383145 2005 UC_{218} 8 9.7 183°.97 2°.4/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 41.67	−19 33.2	2.131	3.030	10.7	20.7
7 20	21 35.72	−20 45.0	2.068	3.030	7.5	20.5
7 30	21 28.08	−22 0.6	2.030	3.030	4.1	20.3
8 9	21 19.42	−23 13.9	2.021	3.029	2.5	20.2
8 19	21 10.60	−24 19.2	2.041	3.028	5.1	20.4
8 29	21 2.55	−25 11.8	2.087	3.026	8.5	20.6
9 8	20 56.07	−25 49.4	2.159	3.024	11.6	20.8
9 18	20 51.70	−26 11.9	2.252	3.021	14.2	21.0

386400 2008 UC_{184} 8 9.7 166°.78 8°.1/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 47.13	−37 57.4	2.049	2.936	11.6	21.8
7 20	21 39.76	−39 11.2	2.006	2.939	9.5	21.7
7 30	21 30.26	−40 12.6	1.988	2.942	8.2	21.6
8 9	21 19.56	−40 54.2	1.995	2.944	8.4	21.6
8 19	21 8.84	−41 11.7	2.027	2.946	9.9	21.7
8 29	20 59.32	−41 3.9	2.083	2.948	12.1	21.9
9 8	20 51.96	−40 33.4	2.160	2.949	14.2	22.0
9 18	20 47.33	−39 44.3	2.255	2.950	16.2	22.2

509802 2008 UT_{351} 8 9.7 301°.42 9°.0/ 2.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.83	−34 12.4	1.573	2.482	13.2	20.8
7 20	21 37.45	−36 1.7	1.511	2.462	10.6	20.6
7 30	21 29.37	−37 43.7	1.472	2.442	9.1	20.5
8 9	21 19.52	−39 7.1	1.457	2.422	9.5	20.5
8 19	21 9.20	−40 3.0	1.466	2.402	11.8	20.6
8 29	20 59.99	−40 26.9	1.497	2.383	14.8	20.7
9 8	20 53.20	−40 19.8	1.547	2.363	17.8	20.8
9 18	20 49.66	−39 46.0	1.614	2.344	20.4	21.0

166662 2002 TL_{44} 8 9.7 253°.68 1°.1/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 40.85	−16 54.8	2.245	3.139	10.4	20.6
7 20	21 35.16	−17 38.2	2.161	3.121	7.3	20.4
7 30	21 27.81	−18 27.3	2.102	3.103	3.9	20.1
8 9	21 19.41	−19 17.7	2.071	3.083	1.2	19.9
8 19	21 10.74	−20 4.6	2.068	3.064	4.1	20.1
8 29	21 2.67	−20 44.0	2.093	3.044	7.8	20.3
9 8	20 56.01	−21 13.2	2.144	3.023	11.1	20.4
9 18	20 51.36	−21 30.9	2.216	3.002	13.9	20.6

316924 2000 YB_5 8 9.7 145°.11 11°.3/31.9 17

7 10	21 57.82	−48 20.6	2.026	2.871	13.5	21.1
7 20	21 47.49	−49 44.1	2.002	2.885	12.0	21.0
7 30	21 34.37	−50 45.0	2.001	2.898	11.3	21.0
8 9	21 19.83	−51 15.3	2.024	2.910	11.6	21.1
8 19	21 5.53	−51 11.7	2.069	2.921	12.8	21.2
8 29	20 53.15	−50 35.7	2.137	2.931	14.3	21.3
9 8	20 43.82	−49 33.2	2.224	2.940	15.9	21.4
9 18	20 38.05	−48 11.3	2.327	2.949	17.3	21.6

512533 2016 RX_{44} 8 9.7 283°.19 0°.1/ 9.7 18

7 10	21 41.86	−14 26.9	1.792	2.689	12.5	21.6
7 20	21 36.05	−14 41.2	1.721	2.681	8.9	21.3
7 30	21 28.33	−15 2.7	1.674	2.674	4.8	21.1
8 9	21 19.46	−15 27.7	1.653	2.666	0.3	20.7
8 19	21 10.41	−15 51.9	1.659	2.659	4.1	21.0
8 29	21 2.23	−16 11.7	1.691	2.652	8.4	21.2
9 8	20 55.85	−16 24.1	1.747	2.645	12.2	21.5
9 18	20 51.85	−16 28.0	1.825	2.638	15.5	21.7

180408 2004 BV_{36} 8 9.7 166°.78 0°.9/ 9.1 17

7 10	21 43.72	−15 32.2	1.766	2.662	12.7	20.9
7 20	21 37.33	−16 15.4	1.705	2.666	8.9	20.7
7 30	21 28.98	−17 5.7	1.669	2.669	4.6	20.4
8 9	21 19.51	−17 57.7	1.659	2.672	0.9	20.2
8 19	21 9.92	−18 45.6	1.677	2.675	4.6	20.5
8 29	21 1.32	−19 24.9	1.721	2.676	8.8	20.7
9 8	20 54.61	−19 52.6	1.790	2.678	12.5	20.9
9 18	20 50.37	−20 7.8	1.879	2.678	15.6	21.2

399806 2005 SC_{54} 8 9.7 291°.20 0°.3/ 9.4 16

7 10	21 39.45	−15 0.1	2.075	2.971	11.1	21.3
7 20	21 34.17	−15 27.4	2.003	2.964	7.8	21.1
7 30	21 27.26	−16 1.1	1.956	2.957	4.1	20.9
8 9	21 19.40	−16 37.4	1.936	2.949	0.4	20.6
8 19	21 11.37	−17 12.2	1.943	2.942	3.8	20.8
8 29	21 4.06	−17 41.8	1.977	2.935	7.6	21.1
9 8	20 58.27	−18 3.3	2.036	2.928	11.0	21.3
9 18	20 54.51	−18 15.5	2.117	2.921	13.9	21.5

92297 Monrad 8 9.7 268°.39 5°.8/ 4.9 18

7 10	21 45.31	−34 28.2	2.489	3.376	9.8	19.0
7 20	21 38.22	−35 3.0	2.418	3.360	7.7	18.8
7 30	21 29.39	−35 29.4	2.373	3.343	6.1	18.7
8 9	21 19.54	−35 42.5	2.354	3.326	5.9	18.6
8 19	21 9.58	−35 38.9	2.363	3.309	7.4	18.7
8 29	21 0.46	−35 17.3	2.398	3.291	9.6	18.8
9 8	20 53.01	−34 39.0	2.457	3.274	12.0	19.0
9 18	20 47.77	−33 46.7	2.537	3.256	14.0	19.1

59559 1999 JD_{42} 8 9.7 192°.99 7°.0/ 4.1 18

7 10	21 45.80	−32 54.3	1.899	2.798	11.8	19.3
7 20	21 38.93	−34 11.2	1.848	2.797	9.2	19.2
7 30	21 29.89	−35 20.0	1.822	2.796	7.3	19.1
8 9	21 19.58	−36 12.7	1.821	2.794	7.3	19.1
8 19	21 9.15	−36 43.7	1.846	2.792	9.1	19.2
8 29	20 59.83	−36 50.7	1.896	2.789	11.8	19.3
9 8	20 52.64	−36 35.2	1.967	2.786	14.4	19.5
9 18	20 48.16	−36 0.7	2.057	2.782	16.7	19.7

357494 2004 OY_{10} 8 9.7 5°.18 1°.6/ 8.4 18

7 10	21 33.87	−14 22.2	1.357	2.277	14.1	19.0
7 20	21 30.80	−15 53.5	1.305	2.278	9.8	18.7
7 30	21 25.65	−17 37.7	1.276	2.280	5.1	18.4
8 9	21 19.30	−19 25.5	1.270	2.283	1.6	18.2
8 19	21 12.80	−21 7.0	1.290	2.288	5.6	18.5
8 29	21 7.33	−22 33.5	1.334	2.294	10.3	18.8
9 8	21 3.87	−23 39.4	1.400	2.302	14.4	19.1
9 18	21 2.99	−24 22.9	1.485	2.311	17.8	19.3

13512 1989 TH_1 8 9.7 315°.18 3°.0/ 8.1 18

7 10	21 43.50	−21 53.5	1.494	2.407	13.6	16.7
7 20	21 37.83	−22 10.3	1.407	2.375	9.7	16.4
7 30	21 29.58	−22 28.2	1.343	2.344	5.5	16.0
8 9	21 19.58	−22 41.4	1.304	2.314	3.0	15.8
8 19	21 9.05	−22 44.4	1.289	2.283	6.4	15.9
8 29	20 59.46	−22 33.4	1.299	2.253	11.1	16.1
9 8	20 52.08	−22 7.6	1.331	2.224	15.6	16.3
9 18	20 47.78	−21 28.1	1.382	2.196	19.5	16.5

99634 2002 GN_{105} 8 9.7 186°.87 1°.7/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 42.65	−16 4.1	1.449	2.357	14.2	19.8
7 20	21 36.96	−17 12.7	1.390	2.357	9.9	19.5
7 30	21 28.94	−18 30.9	1.354	2.357	5.2	19.3
8 9	21 19.53	−19 50.7	1.344	2.356	1.7	19.0
8 19	21 9.93	−21 3.8	1.359	2.356	5.7	19.3
8 29	21 1.44	−22 3.1	1.400	2.355	10.4	19.6
9 8	20 55.16	−22 45.0	1.463	2.354	14.6	19.8
9 18	20 51.75	−23 8.6	1.545	2.353	18.0	20.0

429782 2012 GY_{39} 8 9.7 106°.38 6°.7/14.6 17

7 10	21 43.77	+ 3 5.1	1.696	2.530	16.1	21.0
7 20	21 37.25	+ 3 21.2	1.643	2.549	12.9	20.9
7 30	21 28.88	+ 3 14.8	1.612	2.567	9.7	20.7
8 9	21 19.53	+ 2 46.8	1.604	2.585	7.2	20.6
8 19	21 10.17	+ 2 0.3	1.623	2.603	7.0	20.6
8 29	21 1.87	+ 1 1.2	1.667	2.620	9.2	20.8
9 8	20 55.46	− 0 3.8	1.735	2.636	12.1	21.0
9 18	20 51.46	− 1 8.3	1.825	2.652	14.9	21.3

48029 2001 DS_{37} 8 9.7 76°.05 2°.2/11.3 18

7 10	21 41.07	− 7 7.1	1.395	2.286	15.8	19.3
7 20	21 35.73	− 7 50.6	1.342	2.295	11.5	19.0
7 30	21 28.22	− 8 52.5	1.310	2.304	6.8	18.8
8 9	21 19.49	−10 7.5	1.302	2.313	2.5	18.6
8 19	21 10.66	−11 27.9	1.320	2.322	4.6	18.7
8 29	21 2.99	−12 45.6	1.363	2.331	9.2	19.0
9 8	20 57.46	−13 54.0	1.429	2.340	13.5	19.3
9 18	20 54.65	−14 48.9	1.515	2.349	17.1	19.6

476495 2008 FQ_{120} 8 9.7 132°.94 4°.5/ 5.7 18

7 10	21 41.87	−28 25.9	2.315	3.215	9.9	21.3
7 20	21 35.75	−29 19.6	2.265	3.221	7.3	21.1
7 30	21 28.05	−30 9.1	2.240	3.227	5.1	21.0
8 9	21 19.48	−30 49.1	2.243	3.233	4.6	21.0
8 19	21 10.88	−31 15.5	2.273	3.238	6.4	21.1
8 29	21 3.13	−31 26.3	2.329	3.244	8.9	21.3
9 8	20 56.97	−31 21.6	2.410	3.249	11.4	21.5
9 18	20 52.87	−31 2.9	2.510	3.254	13.6	21.6

418031 2007 UW_{118} 8 9.7 356°.62 5°.9/ 7.1 17

7 10	21 41.20	−25 6.5	0.914	1.852	17.3	19.8
7 20	21 36.81	−25 46.5	0.869	1.847	12.5	19.5
7 30	21 29.14	−26 23.8	0.842	1.843	7.8	19.2
8 9	21 19.57	−26 48.1	0.834	1.840	6.0	19.1
8 19	21 9.90	−26 51.6	0.848	1.839	9.5	19.3
8 29	21 2.07	−26 30.7	0.882	1.839	14.5	19.6
9 8	20 57.49	−25 47.5	0.933	1.842	19.1	19.8
9 18	20 56.75	−24 46.1	1.000	1.845	23.1	20.1

205859 2002 EZ_{79} 8 9.7 97°.60 0°.0/ 9.7 17

7 10	21 44.52	−13 19.9	1.413	2.314	15.0	20.4
7 20	21 38.09	−13 58.0	1.366	2.328	10.5	20.2
7 30	21 29.44	−14 46.5	1.341	2.341	5.6	19.9
8 9	21 19.58	−15 39.2	1.341	2.355	0.4	19.6
8 19	21 9.75	−16 29.6	1.367	2.368	4.8	20.0
8 29	21 1.23	−17 11.9	1.419	2.381	9.6	20.3
9 8	20 55.00	−17 42.6	1.493	2.394	13.7	20.6
9 18	20 51.61	−18 0.3	1.588	2.406	17.1	20.8

6733 1992 EF 8 9.7 119°.28 3°.4/12.3 18 R

7 10	21 40.04	− 4 46.3	2.213	3.074	11.9	16.9
7 20	21 34.42	− 4 37.9	2.145	3.078	9.0	16.7
7 30	21 27.35	− 4 41.7	2.101	3.081	6.0	16.5
8 9	21 19.45	− 4 56.1	2.084	3.085	3.6	16.4
8 19	21 11.46	− 5 18.9	2.093	3.088	4.2	16.4
8 29	21 4.18	− 5 46.8	2.131	3.092	6.9	16.6
9 8	20 58.29	− 6 16.1	2.194	3.095	9.9	16.8
9 18	20 54.28	− 6 43.7	2.280	3.098	12.6	17.0

166034 2002 BG_{17} 8 9.7 265°.21 0°.5/ 9.9 17

7 10	21 45.14	−13 37.0	1.406	2.307	15.0	20.0
7 20	21 38.84	−13 44.1	1.335	2.297	10.8	19.7
7 30	21 30.03	−14 0.8	1.286	2.286	5.9	19.4
8 9	21 19.64	−14 23.0	1.262	2.275	0.8	19.0
8 19	21 8.94	−14 45.7	1.263	2.265	4.9	19.3
8 29	20 59.35	−15 4.2	1.289	2.254	10.1	19.6
9 8	20 52.08	−15 15.1	1.338	2.243	14.7	19.8
9 18	20 47.85	−15 16.7	1.406	2.232	18.6	20.0

166345 2002 JU_{144} 8 9.7 99°.37 3°.3/12.7 18

7 10	21 39.30	− 2 40.0	1.830	2.693	13.9	20.3
7 20	21 34.12	− 3 25.9	1.770	2.704	10.5	20.1
7 30	21 27.26	− 4 30.5	1.733	2.715	6.8	19.9
8 9	21 19.46	− 5 49.9	1.721	2.725	3.7	19.7
8 19	21 11.57	− 7 18.1	1.736	2.735	4.3	19.8
8 29	21 4.53	− 8 48.2	1.779	2.745	7.7	20.0
9 8	20 59.12	−10 13.4	1.848	2.755	11.1	20.2
9 18	20 55.86	−11 28.9	1.939	2.765	14.2	20.5

523126 2016 SQ_{53} 8 9.7 5°.99 4°.0/12.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 38.32	− 2 54.3	1.668	2.538	14.7	21.4
7 20	21 33.62	− 3 14.4	1.601	2.538	11.2	21.1
7 30	21 27.08	− 3 53.7	1.557	2.539	7.5	20.9
8 9	21 19.45	− 4 49.7	1.537	2.539	4.4	20.7
8 19	21 11.66	− 5 57.3	1.542	2.540	4.9	20.8
8 29	21 4.74	− 7 10.2	1.574	2.541	8.3	21.0
9 8	20 59.54	− 8 21.4	1.630	2.543	12.0	21.2
9 18	20 56.66	− 9 25.7	1.707	2.545	15.3	21.4

62207 2000 SX_{58} 8 9.7 198°.75 1°.3/ 8.8 18

7 10	21 43.32	−17 41.1	1.896	2.794	11.9	19.6
7 20	21 37.01	−18 12.4	1.831	2.792	8.3	19.4
7 30	21 28.84	−18 48.1	1.789	2.790	4.4	19.2
8 9	21 19.57	−19 23.5	1.775	2.788	1.3	19.0
8 19	21 10.18	−19 53.9	1.788	2.785	4.6	19.2
8 29	21 1.69	−20 15.7	1.829	2.782	8.5	19.4
9 8	20 54.98	−20 26.9	1.893	2.778	12.1	19.6
9 18	20 50.61	−20 27.0	1.979	2.774	15.1	19.8

68308 2001 FF_{106} 8 9.7 338°.52 9°.1/ 4.7 18

7 10	21 43.42	−33 52.6	1.262	2.180	15.1	17.7
7 20	21 38.10	−34 47.2	1.205	2.164	11.9	17.5
7 30	21 29.78	−35 30.1	1.168	2.148	9.5	17.3
8 9	21 19.65	−35 50.9	1.153	2.134	9.4	17.3
8 19	21 9.31	−35 42.6	1.160	2.120	11.6	17.4
8 29	21 0.52	−35 3.6	1.188	2.109	15.1	17.5
9 8	20 54.63	−33 57.3	1.235	2.098	18.6	17.7
9 18	20 52.31	−32 29.9	1.299	2.089	21.7	17.9

179853 2002 TR_{257} 8 9.7 348°.69 0°.1/ 9.7 18

7 10	21 39.54	−13 20.0	1.188	2.105	16.0	19.5
7 20	21 35.08	−13 52.4	1.130	2.099	11.4	19.2
7 30	21 28.08	−14 38.3	1.092	2.094	6.1	18.9
8 9	21 19.53	−15 31.3	1.076	2.090	0.4	18.5
8 19	21 10.76	−16 24.0	1.084	2.087	5.3	18.8
8 29	21 3.23	−17 9.0	1.116	2.084	10.7	19.1
9 8	20 58.14	−17 41.4	1.168	2.083	15.5	19.4
9 18	20 56.17	−17 58.9	1.238	2.082	19.5	19.6

162868 2001 ET_{19} 8 9.7 326°.80 3°.9/13.0 18

7 10	21 36.38	− 1 43.1	1.534	2.407	15.6	19.0
7 20	21 32.49	− 2 35.5	1.457	2.396	12.0	18.7
7 30	21 26.60	− 3 53.1	1.402	2.385	7.9	18.5
8 9	21 19.44	− 5 32.2	1.371	2.375	4.4	18.3
8 19	21 11.96	− 7 25.6	1.365	2.365	4.9	18.3
8 29	21 5.28	− 9 23.7	1.385	2.356	8.8	18.5
9 8	21 0.41	−11 16.8	1.430	2.347	13.0	18.7
9 18	20 58.02	−12 57.2	1.495	2.339	16.8	18.9

145392 2005 NS_{39} 8 9.7 238°.45 5°.7/ 3.9 18

7 10	21 40.75	−28 57.6	2.063	2.969	10.7	19.6
7 20	21 35.30	−30 37.2	2.009	2.966	8.0	19.4
7 30	21 27.99	−32 13.6	1.980	2.963	6.0	19.3
8 9	21 19.53	−33 38.8	1.979	2.960	6.0	19.3
8 19	21 10.87	−34 46.4	2.004	2.957	8.0	19.4
8 29	21 3.02	−35 32.5	2.055	2.954	10.7	19.6
9 8	20 56.89	−35 56.5	2.128	2.951	13.3	19.8
9 18	20 53.07	−36 0.1	2.220	2.948	15.6	19.9

148380 2000 SS_{307} 8 9.7 273°.57 1°.1/ 8.9 18

7 10	21 41.69	−18 16.9	2.134	3.031	10.8	20.1
7 20	21 35.74	−18 32.3	2.062	3.023	7.6	19.9
7 30	21 28.13	−18 50.7	2.014	3.015	4.0	19.7
8 9	21 19.55	−19 8.3	1.994	3.006	1.1	19.5
8 19	21 10.83	−19 22.0	2.001	2.998	4.1	19.7
8 29	21 2.88	−19 28.8	2.036	2.990	7.7	19.9
9 8	20 56.48	−19 27.3	2.096	2.982	11.0	20.1
9 18	20 52.16	−19 17.1	2.178	2.973	13.9	20.2

291587 2006 GZ_{9} 8 9.7 64°.06 2°.3/ 8.4 17

7 10	21 44.66	−18 2.4	1.184	2.101	16.0	20.3
7 20	21 38.49	−18 54.8	1.145	2.116	11.1	20.1
7 30	21 29.75	−19 53.3	1.128	2.131	5.9	19.9
8 9	21 19.66	−20 49.2	1.134	2.146	2.4	19.7
8 19	21 9.67	−21 34.7	1.164	2.161	6.4	20.0
8 29	21 1.28	−22 4.5	1.218	2.176	11.3	20.3
9 8	20 55.57	−22 16.9	1.293	2.191	15.6	20.6
9 18	20 53.05	−22 12.9	1.386	2.207	19.1	20.9

374933 2007 AT_{23} 8 9.7 196°.85 2°.8/11.5 18

7 10	21 43.17	− 7 31.4	1.706	2.584	14.0	20.9
7 20	21 37.03	− 7 30.8	1.638	2.583	10.4	20.7
7 30	21 28.90	− 7 43.6	1.592	2.582	6.4	20.5
8 9	21 19.61	− 8 7.4	1.572	2.580	3.1	20.3
8 19	21 10.15	− 8 38.5	1.579	2.579	4.5	20.3
8 29	21 1.62	− 9 12.4	1.612	2.576	8.4	20.6
9 8	20 54.94	− 9 44.7	1.669	2.574	12.3	20.8
9 18	20 50.73	−10 11.9	1.748	2.571	15.6	21.0

314537 2005 YS_{68} 8 9.7 335°.89 2°.0/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 40.34	− 9 38.0	2.048	2.929	11.9	20.4
7 20	21 34.79	− 9 27.5	1.976	2.924	8.7	20.2
7 30	21 27.63	− 9 26.2	1.928	2.920	5.2	20.0
8 9	21 19.53	− 9 32.2	1.907	2.916	2.2	19.8
8 19	21 11.30	− 9 43.0	1.913	2.913	3.7	19.9
8 29	21 3.83	− 9 55.6	1.946	2.910	7.3	20.1
9 8	20 57.86	−10 7.3	2.004	2.906	10.6	20.3
9 18	20 53.93	−10 15.6	2.084	2.904	13.6	20.5

112766 2002 PJ_{156} 8 9.7 201°.79 0°.1/ 9.7 18

7 10	21 42.19	−14 41.2	2.016	2.908	11.6	20.0
7 20	21 36.12	−14 59.2	1.948	2.906	8.2	19.8
7 30	21 28.35	−15 23.5	1.904	2.904	4.3	19.6
8 9	21 19.59	−15 50.3	1.888	2.902	0.3	19.3
8 19	21 10.71	−16 15.9	1.899	2.899	3.8	19.6
8 29	21 2.65	−16 36.9	1.938	2.897	7.7	19.8
9 8	20 56.20	−16 50.8	2.002	2.894	11.2	20.0
9 18	20 51.92	−16 56.4	2.087	2.891	14.1	20.2

311884 2006 WB_{206} 8 9.7 30°.60 2°.8/11.3 18

7 10	21 43.41	− 8 49.1	1.976	2.851	12.5	20.3
7 20	21 36.90	− 8 14.7	1.912	2.855	9.3	20.1
7 30	21 28.72	− 7 49.4	1.871	2.860	5.7	19.9
8 9	21 19.62	− 7 32.1	1.857	2.864	3.0	19.7
8 19	21 10.46	− 7 21.5	1.871	2.869	4.2	19.8
8 29	21 2.19	− 7 15.4	1.913	2.874	7.5	20.0
9 8	20 55.58	− 7 11.3	1.979	2.879	10.9	20.3
9 18	20 51.12	− 7 7.0	2.068	2.885	13.8	20.5

323360 2003 UU_{400} 8 9.7 290°.43 4°.8/12.2 18

7 10	21 42.74	− 4 55.3	1.367	2.250	16.6	20.6
7 20	21 37.25	− 4 34.9	1.291	2.235	12.7	20.4
7 30	21 29.28	− 4 32.5	1.234	2.220	8.5	20.1
8 9	21 19.67	− 4 47.5	1.201	2.205	5.1	19.8
8 19	21 9.63	− 5 16.9	1.192	2.190	6.1	19.9
8 29	21 0.55	− 5 55.4	1.207	2.175	10.3	20.1
9 8	20 53.66	− 6 36.6	1.245	2.160	14.7	20.3
9 18	20 49.77	− 7 14.9	1.301	2.146	18.8	20.5

12162 Bilderdijk 8 9.7 309°.69 6°.9/15.1 18

7 10	21 37.27	+ 3 53.9	1.626	2.469	16.3	18.4
7 20	21 33.10	+ 3 48.1	1.542	2.452	13.3	18.2
7 30	21 26.95	+ 3 16.2	1.478	2.436	10.1	17.9
8 9	21 19.52	+ 2 18.2	1.436	2.420	7.5	17.7
8 19	21 11.71	+ 0 57.7	1.419	2.404	7.2	17.7
8 29	21 4.63	− 0 38.8	1.427	2.389	9.5	17.8
9 8	20 59.26	− 2 22.1	1.459	2.374	13.0	18.0
9 18	20 56.32	− 4 3.6	1.512	2.360	16.4	18.1

66985 1999 XT_{93} 8 9.7 261°.82 2°.9/11.9 18

7 10	21 40.34	− 6 14.7	2.387	3.250	11.1	18.1
7 20	21 34.63	− 5 58.1	2.310	3.244	8.4	18.0
7 30	21 27.50	− 5 51.4	2.256	3.239	5.4	17.8
8 9	21 19.55	− 5 53.5	2.230	3.233	3.1	17.6
8 19	21 11.45	− 6 2.6	2.232	3.228	3.9	17.6
8 29	21 3.98	− 6 16.3	2.262	3.222	6.6	17.8
9 8	20 57.80	− 6 31.7	2.318	3.216	9.6	18.0
9 18	20 53.39	− 6 46.1	2.397	3.211	12.2	18.2

132596 2002 JJ_{135} 8 9.7 175°.09 1°.2/10.7 18

7 10	21 41.72	−10 16.4	2.086	2.966	11.8	21.1
7 20	21 35.74	−10 37.5	2.018	2.968	8.5	20.9
7 30	21 28.13	−11 8.4	1.975	2.969	4.8	20.7
8 9	21 19.60	−11 45.7	1.958	2.970	1.4	20.4
8 19	21 10.94	−12 25.6	1.970	2.971	3.5	20.6
8 29	21 3.06	−13 4.1	2.010	2.971	7.2	20.8
9 8	20 56.70	−13 37.6	2.075	2.971	10.6	21.0
9 18	20 52.39	−14 3.9	2.163	2.971	13.5	21.2

314948 2006 WJ_{113} 8 9.7 243°.14 1°.3/ 8.6 16

7 10	21 43.19	−19 51.5	2.722	3.611	9.0	21.5
7 20	21 36.57	−20 3.5	2.636	3.594	6.4	21.3
7 30	21 28.53	−20 16.5	2.577	3.576	3.4	21.1
8 9	21 19.63	−20 27.4	2.546	3.558	1.3	20.9
8 19	21 10.55	−20 33.8	2.546	3.539	3.7	21.0
8 29	21 2.06	−20 33.6	2.574	3.520	6.7	21.2
9 8	20 54.82	−20 25.8	2.629	3.501	9.6	21.3
9 18	20 49.34	−20 10.4	2.707	3.480	12.0	21.5

514045 2014 ML_{52} 8 9.7 29°.88 5°.6/13.5 18

7 10	21 40.57	− 0 44.8	1.920	2.770	13.9	20.2
7 20	21 34.93	− 0 2.4	1.862	2.780	11.0	20.1
7 30	21 27.69	+ 0 24.1	1.826	2.791	8.0	19.9
8 9	21 19.57	+ 0 34.6	1.815	2.802	5.9	19.8
8 19	21 11.41	+ 0 30.5	1.831	2.814	6.0	19.8
8 29	21 4.10	+ 0 14.8	1.872	2.826	8.2	20.0
9 8	20 58.38	− 0 8.2	1.937	2.839	11.0	20.2
9 18	20 54.75	− 0 34.0	2.025	2.852	13.6	20.4

255077 2005 UU_{18} 8 9.7 287°.76 5°.2/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 40.77	−28 47.9	2.120	3.025	10.5	20.5
7 20	21 35.28	−29 55.7	2.057	3.015	7.8	20.3
7 30	21 27.98	−31 0.0	2.020	3.006	5.6	20.2
8 9	21 19.60	−31 54.5	2.010	2.997	5.4	20.1
8 19	21 11.04	−32 33.7	2.026	2.988	7.3	20.2
8 29	21 3.29	−32 54.7	2.067	2.979	10.0	20.4
9 8	20 57.20	−32 57.0	2.131	2.970	12.8	20.6
9 18	20 53.35	−32 42.3	2.215	2.961	15.1	20.7

219281 2000 CO_{69} 8 9.7 309°.65 0°.0/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.51	−15 5.7	2.030	2.925	11.3	20.5
7 20	21 35.07	−15 10.2	1.946	2.906	8.1	20.2
7 30	21 27.88	−15 20.2	1.887	2.887	4.3	20.0
8 9	21 19.61	−15 32.7	1.854	2.868	0.3	19.6
8 19	21 11.09	−15 44.6	1.849	2.849	3.8	19.9
8 29	21 3.26	−15 52.9	1.870	2.831	7.8	20.1
9 8	20 56.97	−15 55.3	1.916	2.813	11.4	20.3
9 18	20 52.81	−15 50.7	1.984	2.795	14.5	20.4

281823 2009 XQ_{24} 8 9.7 193°.88 0°.7/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.63	−15 37.6	2.011	2.904	11.5	21.3
7 20	21 36.49	−16 16.7	1.943	2.902	8.1	21.1
7 30	21 28.59	−17 2.0	1.900	2.900	4.2	20.9
8 9	21 19.66	−17 49.1	1.884	2.898	0.7	20.6
8 19	21 10.58	−18 33.0	1.897	2.895	4.1	20.9
8 29	21 2.30	−19 9.7	1.937	2.891	8.0	21.1
9 8	20 55.67	−19 36.3	2.001	2.887	11.5	21.3
9 18	20 51.23	−19 51.8	2.088	2.882	14.4	21.5

322095 2010 VZ_{134} 8 9.7 235°.24 2°.0/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.28	− 7 8.3	2.591	3.457	10.2	21.9
7 20	21 33.15	− 7 23.3	2.509	3.449	7.6	21.7
7 30	21 26.73	− 7 48.3	2.452	3.440	4.7	21.5
8 9	21 19.54	− 8 21.2	2.423	3.430	2.2	21.4
8 19	21 12.18	− 8 59.3	2.422	3.421	3.2	21.4
8 29	21 5.35	− 9 39.1	2.449	3.411	6.1	21.6
9 8	20 59.66	−10 17.5	2.503	3.401	9.0	21.8
9 18	20 55.57	−10 51.6	2.580	3.391	11.5	21.9

245071 2004 GX_{58} 8 9.7 175°.46 2°.4/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.55	− 6 30.1	2.200	3.068	11.7	20.7
7 20	21 34.17	− 6 44.9	2.130	3.069	8.7	20.5
7 30	21 27.30	− 7 11.7	2.083	3.070	5.4	20.3
8 9	21 19.58	− 7 48.0	2.064	3.071	2.7	20.1
8 19	21 11.74	− 8 30.4	2.072	3.071	3.7	20.2
8 29	21 4.58	− 9 14.9	2.108	3.071	6.8	20.4
9 8	20 58.80	− 9 57.5	2.170	3.071	10.0	20.6
9 18	20 54.90	−10 35.0	2.254	3.071	12.8	20.8

186299 2002 CA_{100} 8 9.7 96°.06 0°.5/ 9.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.29	−15 14.1	2.214	3.108	10.6	20.3
7 20	21 33.96	−15 51.7	2.156	3.116	7.4	20.1
7 30	21 27.17	−16 35.1	2.122	3.123	3.9	19.9
8 9	21 19.57	−17 20.2	2.116	3.130	0.5	19.6
8 19	21 11.92	−18 2.7	2.138	3.137	3.6	19.9
8 29	21 5.01	−18 39.0	2.188	3.144	7.1	20.1
9 8	20 59.53	−19 6.6	2.263	3.151	10.2	20.3
9 18	20 55.93	−19 24.3	2.360	3.157	12.9	20.5

34259 Abprabhakaran 8 9.7 48°.98 4°.1/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.70	− 6 26.4	1.196	2.089	17.7	17.9
7 20	21 37.84	− 6 12.9	1.146	2.098	13.2	17.7
7 30	21 29.49	− 6 18.4	1.117	2.107	8.4	17.4
8 9	21 19.75	− 6 40.2	1.110	2.117	4.4	17.2
8 19	21 9.98	− 7 13.7	1.126	2.127	5.7	17.4
8 29	21 1.62	− 7 52.4	1.167	2.137	10.2	17.6
9 8	20 55.76	− 8 29.9	1.229	2.147	14.6	17.9
9 18	20 52.99	− 9 1.5	1.310	2.158	18.4	18.2

509106 2005 VP_{126} 8 9.7 73°.89 0°.3/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.58	−12 46.8	2.037	2.928	11.5	21.7
7 20	21 34.24	−13 17.6	1.980	2.937	8.1	21.5
7 30	21 27.35	−13 56.4	1.947	2.945	4.4	21.3
8 9	21 19.60	−14 39.2	1.940	2.954	0.5	21.0
8 19	21 11.81	−15 21.8	1.962	2.963	3.6	21.3
8 29	21 4.83	−16 0.1	2.010	2.971	7.3	21.5
9 8	20 59.37	−16 31.0	2.084	2.980	10.6	21.7
9 18	20 55.92	−16 52.8	2.180	2.989	13.4	21.9

103368 2000 AF_{107} 8 9.7 208°.75 1°.6/10.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.38	− 9 17.8	1.942	2.820	12.6	21.0
7 20	21 37.10	− 9 39.4	1.866	2.814	9.2	20.8
7 30	21 28.98	−10 12.6	1.814	2.807	5.3	20.6
8 9	21 19.74	−10 54.2	1.789	2.800	1.8	20.3
8 19	21 10.27	−11 39.8	1.791	2.792	3.9	20.5
8 29	21 1.57	−12 24.6	1.822	2.784	7.8	20.7
9 8	20 54.53	−13 4.7	1.877	2.774	11.5	20.9
9 18	20 49.74	−13 37.1	1.955	2.764	14.7	21.1

289578 2005 ET_{317} 8 9.7 53°.85 1°.7/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 42.52	−18 59.5	1.796	2.700	12.1	21.1
7 20	21 36.51	−19 26.6	1.738	2.703	8.5	20.8
7 30	21 28.64	−19 56.8	1.705	2.706	4.5	20.6
8 9	21 19.71	−20 25.3	1.697	2.709	1.7	20.4
8 19	21 10.73	−20 47.5	1.717	2.712	4.8	20.7
8 29	21 2.75	−21 0.3	1.762	2.716	8.7	20.9
9 8	20 56.62	−21 2.2	1.832	2.719	12.3	21.1
9 18	20 52.88	−20 53.1	1.922	2.723	15.3	21.3

363970 2005 UD_{128} 8 9.7 176°.51 6°.3/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.08	+ 9 1.9	2.854	3.630	11.7	21.7
7 20	21 32.91	+ 9 14.4	2.775	3.631	9.9	21.6
7 30	21 26.58	+ 9 10.0	2.719	3.633	8.1	21.4
8 9	21 19.57	+ 8 48.4	2.688	3.634	6.7	21.4
8 19	21 12.45	+ 8 11.0	2.683	3.634	6.3	21.3
8 29	21 5.81	+ 7 20.6	2.705	3.634	7.2	21.4
9 8	21 0.23	+ 6 21.5	2.753	3.634	8.9	21.5
9 18	20 56.11	+ 5 17.9	2.826	3.633	10.7	21.6

327742 2006 SH_{391} 8 9.8 308°.24 6°.0/13.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.82	− 1 30.8	1.326	2.202	17.4	21.0
7 20	21 35.28	− 1 18.5	1.249	2.186	13.7	20.8
7 30	21 28.30	− 1 29.6	1.191	2.169	9.7	20.5
8 9	21 19.71	− 2 3.8	1.155	2.153	6.5	20.3
8 19	21 10.65	− 2 57.7	1.143	2.138	6.8	20.2
8 29	21 2.51	− 4 4.7	1.154	2.123	10.5	20.4
9 8	20 56.51	− 5 16.1	1.187	2.108	14.8	20.6
9 18	20 53.47	− 6 24.1	1.239	2.094	18.9	20.8

512149 2015 PS_{256} 8 9.8 51°.32 0°.2/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.73	−14 33.3	1.932	2.828	11.8	21.5
7 20	21 35.17	−14 58.0	1.869	2.829	8.3	21.3
7 30	21 27.90	−15 29.6	1.831	2.831	4.4	21.1
8 9	21 19.67	−16 4.1	1.818	2.832	0.3	20.7
8 19	21 11.34	−16 37.2	1.834	2.834	3.9	21.0
8 29	21 3.85	−17 5.0	1.876	2.835	7.8	21.3
9 8	20 58.01	−17 24.8	1.942	2.837	11.3	21.5
9 18	20 54.32	−17 35.4	2.030	2.839	14.3	21.7

217218 2002 VY_{28} 8 9.8 297°.25 1°.0/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.14	−12 1.4	1.422	2.324	14.9	20.1
7 20	21 36.93	−12 17.1	1.338	2.299	10.8	19.8
7 30	21 29.20	−12 45.5	1.276	2.275	6.1	19.5
8 9	21 19.78	−13 22.8	1.237	2.250	1.2	19.1
8 19	21 9.81	−14 3.5	1.223	2.226	4.9	19.3
8 29	21 0.70	−14 41.5	1.235	2.201	10.1	19.5
9 8	20 53.72	−15 11.9	1.268	2.177	15.0	19.7
9 18	20 49.72	−15 31.6	1.320	2.154	19.2	19.9

59924 1999 RN_{167} 8 9.8 262°.21 0°.4/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.86	−11 15.9	2.251	3.137	10.8	18.7
7 20	21 33.06	−12 6.5	2.175	3.130	7.7	18.5
7 30	21 26.78	−13 7.2	2.124	3.122	4.2	18.3
8 9	21 19.59	−14 13.9	2.101	3.114	0.6	18.0
8 19	21 12.22	−15 21.6	2.105	3.106	3.4	18.2
8 29	21 5.45	−16 25.5	2.138	3.098	7.0	18.4
9 8	20 59.99	−17 21.5	2.197	3.090	10.2	18.6
9 18	20 56.37	−18 7.0	2.278	3.082	13.1	18.8

4213 Njord 8 9.8 208°.53 2°.0/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.20	− 9 1.1	1.677	2.561	13.9	17.6
7 20	21 37.14	− 9 13.2	1.608	2.558	10.2	17.3
7 30	21 29.06	− 9 38.2	1.562	2.555	6.0	17.1
8 9	21 19.76	−10 12.9	1.541	2.552	2.3	16.8
8 19	21 10.26	−10 52.8	1.547	2.548	4.3	17.0
8 29	21 1.69	−11 33.0	1.579	2.544	8.5	17.2
9 8	20 55.01	−12 8.8	1.635	2.540	12.5	17.4
9 18	20 50.83	−12 37.2	1.713	2.535	15.9	17.7

76495 2000 GR_{10} 8 9.8 271°.44 5°.7/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.68	+ 2 50.7	2.043	2.875	13.8	19.9
7 20	21 33.82	+ 2 41.4	1.951	2.857	11.2	19.7
7 30	21 27.28	+ 2 11.6	1.881	2.838	8.4	19.5
8 9	21 19.64	+ 1 21.7	1.835	2.820	6.1	19.3
8 19	21 11.68	+ 0 14.6	1.816	2.801	6.0	19.3
8 29	21 4.29	− 1 4.6	1.824	2.782	8.2	19.4
9 8	20 58.29	− 2 29.4	1.857	2.763	11.2	19.5
9 18	20 54.31	− 3 53.3	1.913	2.743	14.2	19.7

173653 2001 GY_{2} 8 9.8 169°.97 3°.5/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.01	− 0 27.7	1.986	2.830	13.7	20.5
7 20	21 36.06	− 1 36.1	1.912	2.835	10.5	20.3
7 30	21 28.40	− 3 5.5	1.863	2.839	7.0	20.1
8 9	21 19.72	− 4 51.8	1.841	2.842	3.9	20.0
8 19	21 10.85	− 6 48.3	1.847	2.845	4.3	20.0
8 29	21 2.73	− 8 47.0	1.883	2.846	7.5	20.2
9 8	20 56.18	−10 40.1	1.947	2.847	11.0	20.4
9 18	20 51.75	−12 21.8	2.034	2.847	14.1	20.6

152368 2005 UM_{158} 8 9.8 239°.23 4°.3/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 40.93	−27 5.9	2.244	3.148	10.1	20.0
7 20	21 35.27	−28 4.4	2.185	3.144	7.3	19.8
7 30	21 27.96	−29 0.3	2.151	3.141	5.0	19.7
8 9	21 19.69	−29 47.9	2.144	3.137	4.5	19.6
8 19	21 11.30	−30 22.7	2.164	3.134	6.4	19.7
8 29	21 3.70	−30 41.9	2.211	3.130	9.1	19.9
9 8	20 57.65	−30 45.0	2.281	3.127	11.8	20.1
9 18	20 53.69	−30 33.1	2.372	3.123	14.1	20.2

373231 2012 FV_{69} 8 9.8 162°.68 0°.5/ 9.4 17

7 10	21 45.35	−15 4.0	1.768	2.661	12.9	21.7
7 20	21 38.53	−15 35.6	1.708	2.667	9.0	21.5
7 30	21 29.74	−16 14.3	1.672	2.672	4.8	21.3
8 9	21 19.82	−16 55.0	1.662	2.676	0.5	20.9
8 19	21 9.82	−17 32.8	1.680	2.680	4.4	21.3
8 29	21 0.84	−18 3.2	1.726	2.683	8.6	21.5
9 8	20 53.78	−18 23.8	1.795	2.685	12.4	21.8
9 18	20 49.22	−18 33.5	1.886	2.687	15.5	22.0

44802 1999 TG_{206} 8 9.8 353°.45 4°.5/ 7.6 17

7 10	21 40.52	−22 43.1	1.003	1.937	16.6	18.3
7 20	21 36.22	−23 21.7	0.952	1.930	11.8	18.0
7 30	21 28.89	−24 1.6	0.921	1.924	6.9	17.8
8 9	21 19.77	−24 33.6	0.912	1.920	4.6	17.6
8 19	21 10.48	−24 49.7	0.923	1.917	8.3	17.8
8 29	21 2.81	−24 45.4	0.956	1.916	13.3	18.1
9 8	20 58.09	−24 20.7	1.007	1.916	18.0	18.4
9 18	20 56.97	−23 38.1	1.075	1.918	22.0	18.6

428214 2006 VC_{32} 8 9.8 275°.93 2°.5/ 8.2 17

7 10	21 43.67	−19 18.3	1.483	2.393	13.8	21.7
7 20	21 37.85	−20 3.4	1.414	2.382	9.7	21.5
7 30	21 29.59	−20 53.9	1.369	2.370	5.3	21.2
8 9	21 19.83	−21 42.8	1.348	2.358	2.5	21.0
8 19	21 9.75	−22 23.3	1.352	2.347	6.1	21.2
8 29	21 0.73	−22 50.1	1.382	2.335	10.7	21.4
9 8	20 53.94	−23 0.9	1.434	2.323	14.9	21.6
9 18	20 50.09	−22 55.9	1.504	2.311	18.5	21.9

322263 2011 EV_{13} 8 9.8 209°.14 0°.6/10.1 18

7 10	21 43.62	−12 53.5	1.740	2.632	13.1	21.0
7 20	21 37.39	−13 8.2	1.672	2.629	9.4	20.7
7 30	21 29.18	−13 31.8	1.628	2.626	5.1	20.5
8 9	21 19.80	−14 0.3	1.610	2.623	0.8	20.2
8 19	21 10.25	−14 29.5	1.619	2.620	4.1	20.4
8 29	21 1.64	−14 55.3	1.654	2.616	8.5	20.7
9 8	20 54.90	−15 14.3	1.714	2.613	12.4	20.9
9 18	20 50.62	−15 24.9	1.795	2.608	15.7	21.1

267619 2002 RM_{202} 8 9.8 276°.67 5°.8/13.8 18

7 10	21 40.51	+ 0 40.5	1.627	2.480	15.8	20.8
7 20	21 35.51	+ 0 32.2	1.536	2.459	12.6	20.5
7 30	21 28.36	+ 0 0.4	1.467	2.437	9.1	20.3
8 9	21 19.75	− 0 54.3	1.421	2.414	6.2	20.1
8 19	21 10.65	− 2 8.5	1.400	2.392	6.3	20.0
8 29	21 2.22	− 3 35.4	1.405	2.369	9.5	20.1
9 8	20 55.56	− 5 6.7	1.433	2.346	13.4	20.3
9 18	20 51.45	− 6 34.6	1.483	2.322	17.1	20.5

280448 2004 CL_{75} 8 9.8 280°.58 0°.5/10.1 18

7 10	21 41.19	−13 2.0	1.902	2.794	12.1	20.4
7 20	21 35.58	−13 16.6	1.830	2.787	8.7	20.1
7 30	21 28.19	−13 39.4	1.782	2.780	4.7	19.9
8 9	21 19.73	−14 6.8	1.760	2.773	0.7	19.6
8 19	21 11.09	−14 35.0	1.765	2.766	3.8	19.8
8 29	21 3.24	−15 0.2	1.797	2.759	7.9	20.0
9 8	20 57.05	−15 19.2	1.853	2.752	11.6	20.2
9 18	20 53.08	−15 30.3	1.931	2.745	14.7	20.4

439910 2001 AD_{44} 8 9.8 274°.27 5°.6/10.5 15

7 10	21 57.61	−10 32.2	1.035	1.928	19.8	20.3
7 20	21 48.63	− 8 41.0	0.961	1.913	15.0	20.0
7 30	21 35.79	− 6 53.5	0.907	1.898	9.7	19.6
8 9	21 20.31	− 5 13.4	0.876	1.882	5.7	19.3
8 19	21 4.14	− 3 45.4	0.871	1.866	8.2	19.4
8 29	20 49.57	− 2 32.6	0.889	1.850	13.8	19.7
9 8	20 38.45	− 1 34.6	0.928	1.834	19.4	19.9
9 18	20 31.78	− 0 48.8	0.983	1.818	24.1	20.2

174606 2003 RP_{21} 8 9.8 1°.73 6°.5/13.5 18 R

7 10	21 37.75	− 1 37.1	1.040	1.934	19.7	18.9
7 20	21 34.01	− 1 24.6	0.985	1.931	15.4	18.6
7 30	21 27.65	− 1 40.4	0.947	1.930	10.8	18.4
8 9	21 19.71	− 2 23.1	0.930	1.930	7.0	18.2
8 19	21 11.52	− 3 27.4	0.934	1.932	7.3	18.2
8 29	21 4.64	− 4 43.9	0.960	1.934	11.2	18.4
9 8	21 0.28	− 6 2.1	1.006	1.938	15.7	18.7
9 18	20 59.15	− 7 13.0	1.069	1.943	19.9	19.0

308873 2006 SO_{60} 8 9.8 270°.33 1°.7/ 8.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 40.57	−18 12.8	2.228	3.125	10.4	21.5
7 20	21 35.14	−19 5.6	2.140	3.102	7.3	21.2
7 30	21 27.99	−20 3.9	2.078	3.078	3.9	21.0
8 9	21 19.74	−21 2.8	2.043	3.054	1.7	20.8
8 19	21 11.15	−21 57.2	2.036	3.029	4.5	20.9
8 29	21 3.13	−22 42.4	2.058	3.004	8.1	21.1
9 8	20 56.51	−23 15.7	2.104	2.979	11.4	21.3
9 18	20 51.92	−23 36.0	2.172	2.953	14.3	21.4

470620 2008 RW_{129} 8 9.8 330°.85 2°.9/ 8.1 16

7 10	21 39.74	−19 48.8	1.266	2.189	14.7	21.1
7 20	21 35.38	−20 27.7	1.197	2.170	10.4	20.8
7 30	21 28.41	−21 12.4	1.149	2.152	5.7	20.5
8 9	21 19.77	−21 55.5	1.124	2.135	2.9	20.3
8 19	21 10.74	−22 29.6	1.123	2.119	6.7	20.5
8 29	21 2.84	−22 48.8	1.145	2.104	11.7	20.7
9 8	20 57.35	−22 50.7	1.187	2.090	16.3	21.0
9 18	20 55.03	−22 35.4	1.247	2.078	20.2	21.2

508845 2002 CG_{129} 8 9.8 112°.06 1°.4/11.4 18

7 10	21 38.81	− 6 53.7	2.722	3.584	9.9	22.0
7 20	21 33.38	− 7 51.6	2.666	3.605	7.2	21.8
7 30	21 26.82	− 8 59.7	2.636	3.626	4.2	21.7
8 9	21 19.65	−10 14.1	2.636	3.646	1.6	21.5
8 19	21 12.45	−11 30.7	2.665	3.666	2.8	21.6
8 29	21 5.86	−12 45.2	2.724	3.685	5.6	21.9
9 8	21 0.40	−13 53.7	2.811	3.703	8.3	22.1
9 18	20 56.46	−14 53.6	2.923	3.722	10.6	22.3

239604 2008 UH_{154} 8 9.8 59°.41 0°.8/10.2 17

7 10	21 44.27	−11 51.0	1.109	2.019	17.4	20.3
7 20	21 38.38	−12 17.4	1.066	2.031	12.4	20.0
7 30	21 29.84	−12 58.4	1.043	2.044	6.8	19.8
8 9	21 19.87	−13 47.3	1.043	2.056	1.1	19.4
8 19	21 9.94	−14 36.8	1.067	2.069	5.3	19.8
8 29	21 1.58	−15 19.6	1.113	2.083	10.7	20.1
9 8	20 55.94	−15 51.1	1.181	2.096	15.4	20.4
9 18	20 53.56	−16 9.3	1.267	2.109	19.3	20.7

264555 2001 SR_{258} 8 9.8 124°.43 0°.3/ 9.5 18

7 10	21 44.02	−14 40.4	1.727	2.623	13.0	20.6
7 20	21 37.59	−15 10.7	1.673	2.632	9.1	20.4
7 30	21 29.23	−15 48.4	1.642	2.642	4.8	20.2
8 9	21 19.83	−16 28.5	1.638	2.651	0.4	19.9
8 19	21 10.39	−17 6.0	1.660	2.660	4.3	20.2
8 29	21 2.01	−17 36.7	1.710	2.669	8.5	20.5
9 8	20 55.55	−17 57.8	1.784	2.677	12.2	20.7
9 18	20 51.54	−18 8.2	1.878	2.685	15.3	21.0

364078 2005 YQ_{50} 8 9.8 118°.57 0°.9/10.3 17

7 10	21 45.13	−11 28.8	1.357	2.255	15.7	21.8
7 20	21 38.74	−11 57.7	1.305	2.264	11.2	21.5
7 30	21 29.98	−12 39.5	1.274	2.272	6.2	21.3
8 9	21 19.89	−13 28.9	1.267	2.281	1.1	21.0
8 19	21 9.73	−14 19.2	1.286	2.288	4.8	21.3
8 29	21 0.87	−15 4.3	1.331	2.296	9.7	21.6
9 8	20 54.37	−15 39.5	1.398	2.303	14.1	21.8
9 18	20 50.83	−16 2.7	1.484	2.310	17.8	22.1

338837 2003 WJ_{149} 8 9.8 283°.91 6°.6/15.2 18

7 10	21 38.94	+ 4 41.7	1.949	2.774	14.7	21.1
7 20	21 34.16	+ 4 35.7	1.849	2.748	12.1	20.9
7 30	21 27.56	+ 4 6.8	1.771	2.721	9.3	20.6
8 9	21 19.73	+ 3 14.5	1.716	2.694	7.1	20.4
8 19	21 11.45	+ 2 1.3	1.686	2.667	6.8	20.4
8 29	21 3.69	+ 0 32.2	1.684	2.639	8.9	20.4
9 8	20 57.38	− 1 5.2	1.706	2.612	12.0	20.6
9 18	20 53.20	− 2 43.4	1.751	2.584	15.2	20.7

132586 2002 JX_{121} 8 9.8 19°.85 5°.4/ 5.4 18

7 10	21 38.84	−23 12.5	1.360	2.284	13.8	18.3
7 20	21 34.48	−25 7.9	1.318	2.289	9.8	18.0
7 30	21 27.79	−27 5.0	1.298	2.295	6.3	17.9
8 9	21 19.73	−28 52.3	1.303	2.302	5.7	17.8
8 19	21 11.54	−30 19.8	1.333	2.310	8.7	18.0
8 29	21 4.56	−31 21.3	1.386	2.318	12.5	18.3
9 8	20 59.87	−31 55.2	1.460	2.327	16.0	18.5
9 18	20 58.06	−32 3.8	1.551	2.337	19.0	18.8

360669 2004 RT_{172} 8 9.8 247°.72 4°.9/14.5 17

7 10	21 37.46	+ 1 50.5	2.333	3.165	12.3	21.4
7 20	21 32.71	+ 1 42.2	2.254	3.161	9.9	21.2
7 30	21 26.59	+ 1 16.9	2.198	3.157	7.3	21.0
8 9	21 19.66	+ 0 35.8	2.168	3.153	5.2	20.9
8 19	21 12.56	− 0 18.5	2.164	3.149	5.1	20.9
8 29	21 6.04	− 1 21.8	2.188	3.145	7.1	21.0
9 8	21 0.75	− 2 29.0	2.238	3.141	9.7	21.2
9 18	20 57.18	− 3 35.2	2.312	3.137	12.2	21.3

91271 1999 CB_{147} 8 9.8 277°.94 2°.3/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 47.42	−20 1.1	1.341	2.251	15.0	19.5
7 20	21 40.71	−20 16.2	1.271	2.238	10.6	19.2
7 30	21 31.23	−20 34.2	1.223	2.225	5.8	18.9
8 9	21 20.01	−20 48.8	1.200	2.212	2.3	18.7
8 19	21 8.44	−20 54.5	1.201	2.198	6.2	18.9
8 29	20 58.14	−20 47.6	1.227	2.185	11.3	19.1
9 8	20 50.42	−20 27.5	1.275	2.171	15.9	19.4
9 18	20 46.02	−19 55.2	1.341	2.158	19.8	19.6

426270 2012 RK_{32} 8 9.8 359°.09 5°.3/14.0 16

7 10	21 34.99	+ 0 16.5	1.246	2.125	18.0	20.3
7 20	21 31.80	− 0 24.3	1.183	2.122	14.1	20.1
7 30	21 26.40	− 1 35.5	1.140	2.120	9.8	19.9
8 9	21 19.65	− 3 13.6	1.118	2.119	6.0	19.6
8 19	21 12.66	− 5 10.5	1.120	2.119	6.0	19.6
8 29	21 6.70	− 7 14.6	1.146	2.120	9.8	19.9
9 8	21 2.84	− 9 14.1	1.194	2.123	14.1	20.1
9 18	21 1.75	−10 59.8	1.262	2.126	18.0	20.4

312590 2009 HT_{106} 8 9.8 70°.95 5°.0/12.9 17

7 10	21 43.13	− 2 30.7	1.301	2.177	17.6	20.5
7 20	21 37.26	− 2 36.0	1.255	2.194	13.5	20.3
7 30	21 29.16	− 3 4.2	1.230	2.211	9.0	20.1
8 9	21 19.86	− 3 52.0	1.227	2.229	5.4	19.9
8 19	21 10.59	− 4 53.6	1.249	2.246	5.9	20.0
8 29	21 2.63	− 6 1.3	1.295	2.263	9.6	20.3
9 8	20 56.98	− 7 7.2	1.364	2.281	13.6	20.5
9 18	20 54.16	− 8 5.5	1.453	2.298	17.1	20.8

68882 2002 JM_{60} 8 9.8 69°.75 0°.8/10.5 18

7 10	21 38.56	−10 46.8	2.165	3.050	11.2	19.7
7 20	21 33.48	−11 20.9	2.109	3.062	8.0	19.5
7 30	21 26.98	−12 4.2	2.078	3.074	4.4	19.3
8 9	21 19.70	−12 52.8	2.073	3.086	1.0	19.1
8 19	21 12.39	−13 42.7	2.097	3.098	3.3	19.3
8 29	21 5.83	−14 29.5	2.148	3.110	6.8	19.5
9 8	21 0.67	−15 10.0	2.225	3.123	9.9	19.8
9 18	20 57.36	−15 41.9	2.324	3.135	12.6	20.0

75838 2000 BX_{29} 8 9.8 266°.25 0°.9/ 9.1 18

7 10	21 41.73	−16 24.9	1.923	2.821	11.7	20.1
7 20	21 36.07	−16 57.1	1.846	2.808	8.3	19.8
7 30	21 28.53	−17 35.6	1.794	2.794	4.4	19.6
8 9	21 19.83	−18 15.7	1.767	2.780	0.9	19.3
8 19	21 10.87	−18 52.6	1.768	2.766	4.4	19.5
8 29	21 2.68	−19 22.2	1.796	2.752	8.4	19.8
9 8	20 56.15	−19 41.7	1.849	2.738	12.1	19.9
9 18	20 51.89	−19 50.1	1.922	2.724	15.2	20.1

151358 2002 CY_{309} 8 9.8 219°.92 2°.6/12.4 18

7 10	21 38.05	− 4 39.0	2.390	3.250	11.2	20.5
7 20	21 33.12	− 5 6.2	2.312	3.246	8.4	20.4
7 30	21 26.82	− 5 46.5	2.259	3.241	5.4	20.2
8 9	21 19.70	− 6 37.4	2.232	3.236	2.9	20.0
8 19	21 12.42	− 7 35.4	2.233	3.231	3.6	20.0
8 29	21 5.72	− 8 36.2	2.263	3.226	6.4	20.2
9 8	21 0.24	− 9 35.2	2.319	3.221	9.4	20.4
9 18	20 56.46	−10 29.0	2.398	3.215	12.1	20.6

325838 2010 SJ_{40} 8 9.8 300°.86 4°.4/12.2 18

7 10	21 41.52	− 5 14.7	1.307	2.195	16.8	20.7
7 20	21 36.56	− 5 5.3	1.230	2.178	12.9	20.4
7 30	21 29.06	− 5 15.5	1.173	2.161	8.5	20.1
8 9	21 19.88	− 5 43.9	1.139	2.144	4.8	19.8
8 19	21 10.21	− 6 26.7	1.128	2.127	5.9	19.9
8 29	21 1.49	− 7 17.5	1.141	2.111	10.4	20.1
9 8	20 55.00	− 8 9.1	1.176	2.095	15.1	20.3
9 18	20 51.57	− 8 55.3	1.229	2.080	19.3	20.5

66741 1999 TY_{122} 8 9.8 316°.61 2°.6/ 8.3 18

7 10	21 42.31	−20 17.0	1.397	2.313	14.1	18.8
7 20	21 37.23	−20 42.1	1.312	2.282	10.1	18.5
7 30	21 29.48	−21 11.5	1.249	2.251	5.6	18.2
8 9	21 19.92	−21 38.8	1.209	2.220	2.7	17.9
8 19	21 9.75	−21 57.6	1.194	2.190	6.4	18.1
8 29	21 0.51	−22 3.0	1.203	2.160	11.4	18.3
9 8	20 53.54	−21 52.8	1.233	2.132	16.1	18.5
9 18	20 49.73	−21 27.5	1.281	2.104	20.2	18.7

291812 2006 KC_{95} 8 9.8 171°.67 0°.3/10.0 18

7 10	21 41.45	−12 38.7	2.172	3.057	11.1	22.1
7 20	21 35.58	−13 13.5	2.106	3.060	7.9	21.9
7 30	21 28.14	−13 56.4	2.065	3.063	4.3	21.7
8 9	21 19.81	−14 43.3	2.051	3.065	0.5	21.4
8 19	21 11.35	−15 30.1	2.066	3.066	3.5	21.6
8 29	21 3.64	−16 12.5	2.108	3.067	7.2	21.9
9 8	20 57.40	−16 47.5	2.177	3.068	10.4	22.1
9 18	20 53.14	−17 13.3	2.268	3.068	13.2	22.3

204038 2003 UP_{152} 8 9.8 146°.71 5°.0/ 5.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 43.44	−27 25.9	1.909	2.815	11.5	20.2
7 20	21 37.25	−28 29.7	1.858	2.818	8.4	20.0
7 30	21 29.11	−29 29.9	1.831	2.820	5.7	19.8
8 9	21 19.88	−30 19.7	1.830	2.823	5.2	19.8
8 19	21 10.56	−30 53.8	1.856	2.825	7.3	19.9
8 29	21 2.26	−31 9.3	1.907	2.828	10.3	20.1
9 8	20 55.86	−31 6.3	1.981	2.830	13.2	20.3
9 18	20 51.91	−30 46.8	2.075	2.832	15.7	20.5

515267 2012 SA_{15} 8 9.8 293°.07 5°.4/ 6.8 18

7 10	21 47.30	−28 28.6	1.665	2.570	12.9	21.1
7 20	21 40.35	−28 57.7	1.593	2.552	9.5	20.9
7 30	21 30.94	−29 21.2	1.544	2.534	6.4	20.7
8 9	21 20.02	−29 32.2	1.520	2.516	5.5	20.6
8 19	21 8.85	−29 25.6	1.522	2.498	7.8	20.7
8 29	20 58.82	−28 59.4	1.549	2.480	11.4	20.8
9 8	20 51.07	−28 15.0	1.599	2.463	15.0	21.0
9 18	20 46.31	−27 15.8	1.667	2.445	18.1	21.2

42904 1999 RV_{202} 8 9.8 96°.53 2°.5/11.3 18 R

7 10	21 44.02	− 9 3.9	1.767	2.647	13.5	18.9
7 20	21 37.56	− 8 50.0	1.707	2.654	9.9	18.7
7 30	21 29.25	− 8 46.9	1.669	2.660	6.0	18.5
8 9	21 19.90	− 8 52.5	1.658	2.667	2.7	18.3
8 19	21 10.49	− 9 4.1	1.673	2.673	4.2	18.4
8 29	21 2.07	− 9 18.2	1.715	2.679	8.1	18.7
9 8	20 55.49	− 9 31.4	1.782	2.685	11.7	18.9
9 18	20 51.28	− 9 41.3	1.870	2.692	14.8	19.1

323659 2005 EW_7 8 9.8 217°.37 11°.4/ 3.5 17

7 10	22 1.31	−45 20.7	1.747	2.606	14.7	21.2
7 20	21 50.38	−46 13.0	1.696	2.599	12.7	21.1
7 30	21 36.25	−46 42.9	1.666	2.592	11.5	21.0
8 9	21 20.41	−46 40.9	1.661	2.584	11.6	21.0
8 19	21 4.77	−46 2.5	1.679	2.576	13.0	21.0
8 29	20 51.24	−44 49.8	1.721	2.567	15.1	21.2
9 8	20 41.10	−43 9.8	1.783	2.557	17.4	21.3
9 18	20 34.91	−41 11.4	1.864	2.547	19.5	21.5

19376 1998 BE_1 8 9.8 214°.96 3°.2/ 7.6 18

7 10	21 43.99	−19 57.6	1.470	2.381	13.9	18.6
7 20	21 38.05	−21 6.1	1.411	2.379	9.7	18.4
7 30	21 29.72	−22 19.6	1.376	2.376	5.4	18.1
8 9	21 19.95	−23 29.9	1.365	2.373	3.3	18.0
8 19	21 9.95	−24 28.9	1.380	2.370	6.6	18.2
8 29	21 1.09	−25 10.9	1.420	2.367	11.0	18.4
9 8	20 54.50	−25 33.6	1.482	2.364	15.0	18.7
9 18	20 50.84	−25 37.6	1.563	2.360	18.3	18.9

397731 2008 EC_{86} 8 9.8 66°.73 1°.1/10.8 18

7 10	21 38.28	− 9 19.2	2.034	2.918	11.8	20.7
7 20	21 33.39	−10 7.2	1.976	2.928	8.5	20.5
7 30	21 26.99	−11 6.6	1.943	2.938	4.8	20.3
8 9	21 19.74	−12 13.1	1.936	2.948	1.3	20.1
8 19	21 12.42	−13 21.6	1.957	2.959	3.4	20.2
8 29	21 5.87	−14 26.7	2.005	2.969	7.1	20.5
9 8	21 0.78	−15 24.1	2.079	2.979	10.4	20.7
9 18	20 57.64	−16 11.0	2.176	2.990	13.3	20.9

477050 2009 AB_{48} 8 9.8 15°.54 1°.9/ 8.6 18

7 10	21 42.81	−19 26.3	1.695	2.601	12.6	20.9
7 20	21 36.86	−19 47.9	1.637	2.602	8.8	20.6
7 30	21 28.93	−20 12.3	1.603	2.604	4.7	20.4
8 9	21 19.89	−20 34.5	1.594	2.606	1.9	20.2
8 19	21 10.78	−20 50.1	1.612	2.608	5.0	20.4
8 29	21 2.73	−20 56.0	1.656	2.610	9.1	20.7
9 8	20 56.64	−20 50.9	1.723	2.613	12.8	20.9
9 18	20 53.05	−20 35.0	1.810	2.616	15.9	21.1

272609 2005 WF_{18} 8 9.8 189°.69 1°.6/11.2 18

7 10	21 39.10	− 8 53.5	2.526	3.398	10.2	21.2
7 20	21 33.77	− 9 7.6	2.454	3.398	7.5	21.0
7 30	21 27.14	− 9 30.5	2.406	3.397	4.4	20.9
8 9	21 19.76	− 9 59.9	2.386	3.396	1.8	20.7
8 19	21 12.27	−10 33.0	2.394	3.394	3.1	20.8
8 29	21 5.36	−11 6.6	2.431	3.393	6.1	21.0
9 8	20 59.66	−11 37.6	2.494	3.391	9.0	21.1
9 18	20 55.62	−12 3.7	2.580	3.389	11.6	21.3

447694 2007 CH_{50} 8 9.8 151°.02 0°.9/10.6 18

7 10	21 41.01	−11 33.2	2.858	3.730	9.2	21.6
7 20	21 34.92	−11 37.6	2.792	3.738	6.6	21.4
7 30	21 27.67	−11 47.7	2.753	3.746	3.7	21.2
8 9	21 19.80	−12 1.5	2.742	3.754	1.1	21.0
8 19	21 11.89	−12 16.8	2.761	3.761	2.7	21.2
8 29	21 4.57	−12 31.4	2.809	3.768	5.6	21.4
9 8	20 58.40	−12 43.3	2.884	3.774	8.2	21.6
9 18	20 53.76	−12 51.3	2.984	3.780	10.5	21.7

178256 Juanmi 8 9.8 157°.18 2°.5/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 41.89	−20 47.2	2.010	2.912	11.1	20.5
7 20	21 36.03	−21 31.6	1.950	2.914	7.8	20.3
7 30	21 28.43	−22 17.9	1.916	2.916	4.3	20.1
8 9	21 19.86	−23 0.9	1.909	2.917	2.5	20.0
8 19	21 11.19	−23 35.7	1.929	2.919	5.1	20.2
8 29	21 3.39	−23 59.0	1.975	2.920	8.5	20.4
9 8	20 57.26	−24 9.4	2.046	2.921	11.7	20.6
9 18	20 53.33	−24 7.1	2.138	2.922	14.5	20.8

167255 2003 UT_{115} 8 9.8 311°.00 5°.7/ 6.2 18

7 10	21 44.23	−28 1.6	1.583	2.494	13.0	19.2
7 20	21 38.27	−28 47.7	1.516	2.478	9.6	19.0
7 30	21 29.88	−29 29.6	1.471	2.463	6.6	18.8
8 9	21 19.99	−29 59.6	1.452	2.447	5.8	18.7
8 19	21 9.85	−30 11.8	1.457	2.432	8.2	18.8
8 29	21 0.83	−30 3.1	1.487	2.418	11.8	19.0
9 8	20 54.07	−29 34.2	1.538	2.404	15.4	19.2
9 18	20 50.27	−28 48.0	1.608	2.390	18.5	19.4

504893 2010 XH_{21} 8 9.8 284°.61 6°.2/ 6.0 17

7 10	21 46.03	−27 34.7	1.416	2.329	14.1	21.0
7 20	21 39.79	−28 36.2	1.352	2.316	10.4	20.7
7 30	21 30.79	−29 34.5	1.311	2.302	7.1	20.5
8 9	21 20.07	−30 20.1	1.293	2.289	6.4	20.4
8 19	21 9.02	−30 45.4	1.300	2.275	9.1	20.6
8 29	20 59.25	−30 46.6	1.331	2.262	13.0	20.8
9 8	20 52.04	−30 24.3	1.382	2.248	16.8	21.0
9 18	20 48.13	−29 42.1	1.451	2.235	20.1	21.2

41002 1999 UW_{12} 8 9.8 277°.38 1°.1/10.7 18

7 10	21 39.61	−11 2.6	2.251	3.134	10.9	19.5
7 20	21 34.36	−11 16.6	2.168	3.119	7.9	19.3
7 30	21 27.56	−11 39.2	2.109	3.104	4.5	19.1
8 9	21 19.82	−12 7.7	2.077	3.089	1.3	18.8
8 19	21 11.86	−12 38.9	2.073	3.074	3.3	18.9
8 29	21 4.50	−13 9.3	2.096	3.059	6.9	19.1
9 8	20 58.47	−13 35.7	2.146	3.044	10.3	19.3
9 18	20 54.32	−13 55.8	2.217	3.028	13.1	19.5

358688 2007 YY_{61} 8 9.8 143°.45 0°.7/ 9.3 18

7 10	21 43.37	−17 29.3	2.327	3.217	10.3	21.1
7 20	21 36.80	−17 36.5	2.265	3.222	7.2	20.9
7 30	21 28.76	−17 46.4	2.228	3.228	3.8	20.7
8 9	21 19.91	−17 55.9	2.220	3.233	0.7	20.5
8 19	21 11.05	−18 2.3	2.241	3.238	3.6	20.7
8 29	21 2.98	−18 3.6	2.289	3.243	7.0	21.0
9 8	20 56.39	−17 58.4	2.364	3.248	10.0	21.2
9 18	20 51.74	−17 46.7	2.461	3.252	12.6	21.4

155335 2006 EV 8 9.8 90°.52 9°.3/30.3 18

7 10	21 46.12	−45 27.4	2.428	3.289	11.0	19.8
7 20	21 39.15	−47 8.2	2.412	3.308	9.8	19.7
7 30	21 30.15	−48 32.2	2.421	3.327	9.3	19.7
8 9	21 20.02	−49 33.0	2.454	3.345	9.7	19.8
8 19	21 9.87	−50 7.1	2.511	3.364	10.8	19.9
8 29	21 0.84	−50 14.5	2.591	3.382	12.2	20.0
9 8	20 53.84	−49 57.8	2.689	3.400	13.6	20.2
9 18	20 49.42	−49 21.5	2.804	3.418	14.8	20.3

387114 2012 TB_{161} 8 9.8 183°.56 0°.9/10.6 18 R

7 10	21 41.18	−10 43.2	2.120	3.001	11.5	21.9
7 20	21 35.46	−11 13.6	2.051	3.001	8.3	21.7
7 30	21 28.14	−11 53.7	2.006	3.001	4.6	21.5
8 9	21 19.88	−12 39.9	1.988	3.001	1.1	21.2
8 19	21 11.49	−13 28.0	1.999	3.000	3.5	21.4
8 29	21 3.83	−14 13.6	2.038	2.999	7.2	21.7
9 8	20 57.64	−14 53.1	2.102	2.997	10.5	21.9
9 18	20 53.45	−15 24.2	2.188	2.995	13.4	22.1

213518 2002 GQ_{147} 8 9.8 183°.96 4°.4/ 6.9 17

7 10	21 46.16	−23 47.3	1.551	2.460	13.4	20.6
7 20	21 39.52	−24 52.5	1.495	2.460	9.6	20.4
7 30	21 30.49	−25 57.8	1.463	2.460	5.9	20.1
8 9	21 20.06	−26 54.8	1.457	2.460	4.5	20.1
8 19	21 9.48	−27 36.5	1.477	2.459	7.3	20.2
8 29	21 0.12	−27 58.9	1.521	2.458	11.2	20.5
9 8	20 53.05	−28 1.3	1.588	2.456	14.9	20.7
9 18	20 48.93	−27 45.9	1.674	2.454	18.0	20.9

335027 2004 PM_{61} 8 9.8 123°.50 6°.9/15.8 17

7 10	21 41.10	+ 7 36.7	1.108	1.955	22.0	20.0
7 20	21 36.44	+ 5 56.2	1.042	1.958	17.7	19.8
7 30	21 29.06	+ 3 26.6	0.995	1.961	12.8	19.5
8 9	21 19.98	+ 0 13.0	0.970	1.964	8.2	19.3
8 19	21 10.54	− 3 30.0	0.970	1.967	7.2	19.2
8 29	21 2.34	− 7 20.8	0.996	1.969	11.0	19.5
9 8	20 56.70	−10 57.8	1.047	1.972	16.0	19.7
9 18	20 54.39	−14 6.0	1.119	1.974	20.4	20.0

95941 2003 LX_3 8 9.8 26°.54 9°.7/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 40.29	+ 5 26.8	1.314	2.159	19.3	18.1
7 20	21 35.38	+ 6 22.6	1.264	2.169	16.0	18.0
7 30	21 28.27	+ 6 49.9	1.232	2.180	12.7	17.8
8 9	21 19.91	+ 6 46.8	1.221	2.191	10.3	17.7
8 19	21 11.46	+ 6 15.5	1.232	2.204	9.8	17.7
8 29	21 4.19	+ 5 21.7	1.265	2.217	11.5	17.8
9 8	20 59.09	+ 4 14.5	1.320	2.231	14.4	18.1
9 18	20 56.75	+ 3 2.9	1.394	2.246	17.3	18.3

193425 2000 WA_{93} 8 9.8 291°.12 8°.3/ 2.9 18

7 10	21 43.95	−33 43.1	1.655	2.561	12.8	19.3
7 20	21 38.14	−35 21.7	1.602	2.553	10.2	19.1
7 30	21 29.85	−36 51.9	1.573	2.544	8.5	19.0
8 9	21 20.03	−38 3.8	1.568	2.536	8.7	19.0
8 19	21 9.94	−38 50.0	1.588	2.528	10.8	19.1
8 29	21 1.01	−39 7.1	1.630	2.519	13.6	19.3
9 8	20 54.40	−38 56.6	1.693	2.511	16.4	19.4
9 18	20 50.80	−38 22.6	1.772	2.503	18.8	19.6

443589 2014 KZ_{85} 8 9.8 18°.43 2°.9/ 7.5 18

7 10	21 39.09	−20 44.3	1.716	2.629	12.1	19.8
7 20	21 34.27	−21 42.0	1.665	2.634	8.5	19.6
7 30	21 27.58	−22 42.4	1.638	2.639	4.7	19.4
8 9	21 19.86	−23 39.0	1.637	2.645	3.0	19.3
8 19	21 12.06	−24 25.7	1.662	2.652	5.8	19.5
8 29	21 5.24	−24 58.4	1.712	2.659	9.4	19.7
9 8	21 0.24	−25 15.3	1.785	2.666	12.8	19.9
9 18	20 57.61	−25 16.7	1.878	2.674	15.7	20.2

84941 2003 WE_{142} 8 9.8 197°.94 2°.3/11.7 18

7 10	21 41.29	− 7 4.0	2.383	3.247	11.1	20.1
7 20	21 35.41	− 7 9.6	2.306	3.244	8.2	19.9
7 30	21 28.08	− 7 25.4	2.254	3.241	5.1	19.7
8 9	21 19.90	− 7 49.6	2.230	3.237	2.5	19.6
8 19	21 11.58	− 8 19.4	2.234	3.233	3.5	19.6
8 29	21 3.88	− 8 51.6	2.266	3.228	6.6	19.8
9 8	20 57.49	− 9 22.8	2.325	3.223	9.6	20.0
9 18	20 52.90	− 9 50.3	2.407	3.217	12.3	20.2

289500 2005 ED_{132} 8 9.8 95°.50 2°.7/ 7.4 18

7 10	21 41.78	−20 4.8	1.930	2.834	11.4	20.7
7 20	21 35.95	−21 18.1	1.886	2.850	7.9	20.5
7 30	21 28.41	−22 33.8	1.867	2.866	4.4	20.3
8 9	21 19.93	−23 45.3	1.874	2.882	2.8	20.3
8 19	21 11.44	−24 46.8	1.910	2.898	5.4	20.5
8 29	21 3.90	−25 33.9	1.973	2.913	8.8	20.7
9 8	20 58.08	−26 5.0	2.059	2.928	11.9	20.9
9 18	20 54.48	−26 20.3	2.166	2.943	14.5	21.1

312328 2008 CE_{161} 8 9.8 336°.20 1°.3/ 8.9 18

7 10	21 42.72	−18 49.3	1.977	2.876	11.4	20.2
7 20	21 36.63	−18 59.6	1.912	2.874	8.0	20.0
7 30	21 28.79	−19 12.3	1.871	2.872	4.3	19.7
8 9	21 19.97	−19 23.7	1.857	2.870	1.3	19.5
8 19	21 11.05	−19 30.5	1.871	2.868	4.3	19.7
8 29	21 3.02	−19 30.0	1.911	2.866	8.1	20.0
9 8	20 56.69	−19 21.2	1.976	2.864	11.5	20.2
9 18	20 52.57	−19 4.0	2.063	2.863	14.4	20.4

439518 2014 BL_{41} 8 9.8 241°.83 1°.2/ 8.8 18

7 10	21 42.06	−16 15.0	2.050	2.944	11.3	21.9
7 20	21 36.30	−17 10.1	1.969	2.930	7.9	21.7
7 30	21 28.72	−18 12.4	1.914	2.914	4.2	21.4
8 9	21 19.97	−19 16.7	1.886	2.898	1.2	21.2
8 19	21 10.92	−20 17.5	1.886	2.882	4.4	21.4
8 29	21 2.53	−21 9.5	1.914	2.865	8.3	21.6
9 8	20 55.70	−21 49.5	1.967	2.848	11.9	21.8
9 18	20 51.05	−22 16.0	2.041	2.830	14.9	21.9

445429 2010 UL_{25} 8 9.8 302°.87 1°.2/ 8.8 18

7 10	21 39.21	−17 17.7	2.093	2.994	10.8	20.9
7 20	21 34.20	−17 54.9	2.019	2.982	7.6	20.6
7 30	21 27.54	−18 37.3	1.969	2.970	4.0	20.4
8 9	21 19.89	−19 20.5	1.945	2.958	1.2	20.2
8 19	21 12.02	−20 0.0	1.950	2.946	4.2	20.4
8 29	21 4.85	−20 31.8	1.981	2.935	7.9	20.6
9 8	20 59.15	−20 53.3	2.037	2.924	11.2	20.8
9 18	20 55.49	−21 3.7	2.114	2.913	14.1	20.9

5706 Finkelstein 8 9.8 269°.62 0°.7/ 9.2 18

7 10	21 39.60	−16 2.1	2.402	3.294	9.9	17.9
7 20	21 34.33	−16 33.3	2.319	3.277	7.0	17.7
7 30	21 27.58	−17 9.9	2.261	3.261	3.7	17.5
8 9	21 19.91	−17 48.1	2.231	3.244	0.7	17.2
8 19	21 12.02	−18 24.4	2.229	3.227	3.6	17.4
8 29	21 4.69	−18 55.1	2.255	3.210	7.0	17.6
9 8	20 58.65	−19 17.9	2.307	3.192	10.2	17.8
9 18	20 54.41	−19 31.4	2.381	3.175	12.9	17.9

76408 2000 FS_{13} 8 9.8 222°.28 3°.8/ 6.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 41.29	−23 42.9	2.142	3.045	10.5	19.0
7 20	21 35.72	−25 6.0	2.077	3.039	7.5	18.8
7 30	21 28.39	−26 30.3	2.038	3.033	4.7	18.7
8 9	21 19.97	−27 49.0	2.027	3.026	4.0	18.6
8 19	21 11.32	−28 56.0	2.043	3.019	6.2	18.7
8 29	21 3.40	−29 46.8	2.087	3.011	9.3	18.9
9 8	20 57.04	−30 19.6	2.154	3.004	12.2	19.1
9 18	20 52.83	−30 34.8	2.242	2.996	14.7	19.3

9424 Hiroshinishiyama 8 9.8 278°.87 1°.3/ 8.9 18 R

7 10	21 42.97	−16 24.6	1.555	2.460	13.6	18.2
7 20	21 37.42	−17 7.7	1.476	2.441	9.6	17.9
7 30	21 29.52	−17 59.7	1.421	2.422	5.1	17.6
8 9	21 20.07	−18 54.3	1.390	2.403	1.3	17.3
8 19	21 10.20	−19 45.0	1.386	2.384	5.3	17.5
8 29	21 1.21	−20 25.8	1.407	2.364	10.1	17.8
9 8	20 54.26	−20 52.8	1.450	2.345	14.4	18.0
9 18	20 50.11	−21 4.9	1.514	2.325	18.2	18.2

476943 2008 XC 8 9.8 318°.25 4°.6/ 6.7 16

7 10	21 39.82	−22 2.8	1.325	2.248	14.2	21.1
7 20	21 35.69	−23 16.1	1.243	2.215	10.2	20.8
7 30	21 28.82	−24 36.6	1.182	2.183	6.2	20.4
8 9	21 20.03	−25 54.8	1.145	2.151	4.7	20.3
8 19	21 10.55	−27 0.8	1.132	2.119	8.2	20.4
8 29	21 1.94	−27 46.4	1.141	2.088	13.0	20.5
9 8	20 55.67	−28 7.7	1.171	2.058	17.7	20.7
9 18	20 52.70	−28 4.9	1.217	2.029	21.7	20.9

3276 Porta Coeli 8 9.8 281°.12 1°.2/ 8.8 18

7 10	21 39.62	−17 24.3	2.263	3.160	10.3	17.3
7 20	21 34.42	−17 59.7	2.184	3.145	7.2	17.1
7 30	21 27.66	−18 39.8	2.129	3.130	3.8	16.9
8 9	21 19.93	−19 20.5	2.102	3.114	1.2	16.6
8 19	21 11.98	−19 57.8	2.102	3.098	4.0	16.8
8 29	21 4.64	−20 28.0	2.130	3.083	7.5	17.0
9 8	20 58.68	−20 48.7	2.184	3.067	10.7	17.2
9 18	20 54.64	−20 58.9	2.259	3.052	13.5	17.4

345944 2007 RZ_{293} 8 9.8 208°.32 2°.0/ 8.1 18

7 10	21 42.39	−20 11.2	2.387	3.282	9.9	22.2
7 20	21 36.26	−20 51.6	2.316	3.276	6.9	22.0
7 30	21 28.59	−21 34.1	2.271	3.270	3.8	21.8
8 9	21 20.00	−22 14.4	2.254	3.263	2.0	21.7
8 19	21 11.26	−22 48.4	2.265	3.256	4.4	21.8
8 29	21 3.19	−23 13.0	2.305	3.248	7.6	22.0
9 8	20 56.54	−23 26.6	2.370	3.240	10.5	22.2
9 18	20 51.81	−23 29.0	2.457	3.231	13.1	22.4

445815 2012 BF_{117} 8 9.8 261°.73 1°.3/10.8 18

7 10	21 40.86	−11 5.0	2.287	3.166	10.9	21.0
7 20	21 35.19	−11 5.1	2.210	3.159	7.9	20.8
7 30	21 28.02	−11 12.8	2.157	3.152	4.5	20.6
8 9	21 19.96	−11 25.9	2.132	3.144	1.5	20.3
8 19	21 11.75	−11 41.7	2.136	3.137	3.3	20.5
8 29	21 4.19	−11 57.4	2.167	3.129	6.8	20.7
9 8	20 57.99	−12 10.6	2.224	3.121	10.0	20.9
9 18	20 53.67	−12 19.3	2.303	3.114	12.7	21.0

433071 2012 TW_{41} 8 9.8 37°.26 4°.8/12.8 16

7 10	21 41.27	− 3 52.9	1.381	2.261	16.5	20.5
7 20	21 35.96	− 3 38.6	1.332	2.274	12.6	20.3
7 30	21 28.56	− 3 44.0	1.304	2.287	8.4	20.1
8 9	21 20.00	− 4 6.8	1.298	2.300	5.2	19.9
8 19	21 11.44	− 4 43.1	1.318	2.314	5.7	20.0
8 29	21 4.06	− 5 26.8	1.361	2.329	9.3	20.2
9 8	20 58.80	− 6 11.6	1.427	2.345	13.1	20.5
9 18	20 56.20	− 6 52.4	1.514	2.360	16.5	20.7

344779 2003 WA_{193} 8 9.8 219°.86 1°.3/ 8.5 18

7 10	21 41.20	−17 23.6	2.495	3.385	9.7	21.7
7 20	21 35.43	−18 17.1	2.417	3.375	6.8	21.5
7 30	21 28.17	−19 15.5	2.365	3.364	3.6	21.2
8 9	21 19.99	−20 14.2	2.341	3.353	1.3	21.1
8 19	21 11.59	−21 8.9	2.347	3.341	3.9	21.2
8 29	21 3.77	−21 55.5	2.381	3.328	7.2	21.4
9 8	20 57.22	−22 31.5	2.442	3.314	10.2	21.6
9 18	20 52.48	−22 56.0	2.525	3.300	12.7	21.8

143284 2003 AA_{26} 8 9.8 230°.66 0°.2/ 9.7 18

7 10	21 43.17	−13 47.7	1.840	2.732	12.5	20.5
7 20	21 37.19	−14 24.5	1.765	2.723	8.9	20.3
7 30	21 29.24	−15 10.3	1.714	2.713	4.7	20.0
8 9	21 20.08	−16 0.4	1.689	2.702	0.4	19.7
8 19	21 10.65	−16 49.6	1.691	2.692	4.2	20.0
8 29	21 2.02	−17 32.8	1.721	2.680	8.5	20.2
9 8	20 55.13	−18 6.4	1.776	2.668	12.3	20.4
9 18	20 50.62	−18 28.6	1.851	2.656	15.6	20.6

340480 2006 HA_{67} 8 9.8 238°.88 3°.1/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 40.47	− 5 30.3	1.843	2.715	13.4	20.7
7 20	21 35.18	− 5 43.3	1.772	2.713	10.1	20.5
7 30	21 28.11	− 6 11.3	1.725	2.710	6.4	20.2
8 9	21 19.99	− 6 51.9	1.702	2.708	3.4	20.0
8 19	21 11.69	− 7 40.9	1.706	2.706	4.3	20.1
8 29	21 4.17	− 8 33.4	1.737	2.703	7.8	20.3
9 8	20 58.29	− 9 24.2	1.793	2.701	11.4	20.5
9 18	20 54.60	−10 9.1	1.871	2.698	14.6	20.7

473271 2015 MH_{66} 8 9.8 143°.09 3°.9/12.6 18

7 10	21 42.68	− 3 53.8	2.193	3.046	12.3	20.7
7 20	21 36.44	− 3 32.5	2.125	3.051	9.4	20.5
7 30	21 28.67	− 3 23.5	2.081	3.056	6.4	20.3
8 9	21 20.04	− 3 26.1	2.063	3.061	4.1	20.2
8 19	21 11.32	− 3 38.2	2.074	3.066	4.6	20.2
8 29	21 3.35	− 3 57.0	2.112	3.070	7.2	20.4
9 8	20 56.82	− 4 19.1	2.176	3.075	10.1	20.6
9 18	20 52.24	− 4 41.1	2.263	3.079	12.8	20.8

399446 2002 GF_{1} 8 9.8 49°.29 2°.2/ 8.9 17

7 10	21 56.01	−16 18.3	0.715	1.641	22.3	21.9
7 20	21 46.29	−17 25.3	0.720	1.694	15.1	21.8
7 30	21 33.68	−18 36.6	0.742	1.746	7.7	21.6
8 9	21 20.38	−19 39.4	0.786	1.798	2.2	21.5
8 19	21 8.51	−20 24.8	0.851	1.850	7.2	22.0
8 29	20 59.69	−20 49.7	0.937	1.902	12.8	22.5
9 8	20 54.69	−20 55.0	1.042	1.953	17.4	23.0
9 18	20 53.52	−20 43.9	1.164	2.003	20.9	23.4

131519 2001 TL_{191} 8 9.8 143°.37 3°.3/11.8 17

7 10	21 45.13	− 6 37.0	1.455	2.336	15.8	20.2
7 20	21 38.75	− 6 40.8	1.396	2.342	11.8	20.0
7 30	21 30.11	− 7 1.1	1.358	2.347	7.3	19.8
8 9	21 20.18	− 7 35.1	1.344	2.352	3.6	19.5
8 19	21 10.11	− 8 17.9	1.357	2.357	5.0	19.6
8 29	21 1.18	− 9 3.7	1.394	2.361	9.2	19.9
9 8	20 54.44	− 9 46.7	1.455	2.365	13.4	20.2
9 18	20 50.49	−10 22.9	1.537	2.368	17.0	20.4

264039 2009 QO_{58} 8 9.8 209°.74 0°.1/ 9.9 18

7 10	21 42.69	−12 41.1	1.743	2.635	13.0	21.0
7 20	21 36.88	−13 21.7	1.674	2.632	9.3	20.7
7 30	21 29.09	−14 12.7	1.629	2.628	5.0	20.5
8 9	21 20.10	−15 9.3	1.610	2.624	0.5	20.1
8 19	21 10.90	−16 5.7	1.619	2.620	4.2	20.4
8 29	21 2.57	−16 56.2	1.654	2.615	8.6	20.7
9 8	20 56.06	−17 36.9	1.713	2.610	12.5	20.9
9 18	20 51.99	−18 5.5	1.793	2.604	15.8	21.1

198311 2004 TS_{335} 8 9.8 210°.25 3°.3/12.6 17

7 10	21 41.35	− 3 57.6	2.169	3.025	12.3	21.8
7 20	21 35.63	− 4 7.4	2.090	3.019	9.4	21.6
7 30	21 28.32	− 4 31.2	2.034	3.013	6.2	21.4
8 9	21 20.04	− 5 7.1	2.005	3.007	3.6	21.2
8 19	21 11.56	− 5 52.0	2.004	3.000	4.2	21.3
8 29	21 3.73	− 6 41.7	2.030	2.992	7.2	21.4
9 8	20 57.30	− 7 31.6	2.083	2.984	10.4	21.6
9 18	20 52.82	− 8 17.8	2.158	2.976	13.2	21.8

353661 2011 UR_{164} 8 9.8 294°.17 5°.8/ 4.9 18

7 10	21 42.13	−29 26.4	1.936	2.842	11.3	20.5
7 20	21 36.50	−30 37.7	1.877	2.834	8.5	20.3
7 30	21 28.89	−31 44.7	1.843	2.827	6.2	20.2
8 9	21 20.09	−32 40.1	1.834	2.820	6.0	20.1
8 19	21 11.10	−33 18.3	1.852	2.813	8.0	20.2
8 29	21 3.03	−33 36.0	1.895	2.806	10.8	20.4
9 8	20 56.81	−33 33.3	1.960	2.799	13.7	20.6
9 18	20 53.04	−33 12.3	2.044	2.792	16.1	20.8

285471 2000 AT_{207} 8 9.8 271°.13 0°.3/ 9.6 18

7 10	21 41.72	−11 56.3	1.663	2.558	13.5	20.7
7 20	21 36.51	−13 9.2	1.575	2.535	9.6	20.4
7 30	21 29.08	−14 37.9	1.511	2.511	5.2	20.1
8 9	21 20.12	−16 16.2	1.473	2.487	0.4	19.7
8 19	21 10.62	−17 55.8	1.463	2.463	4.7	20.0
8 29	21 1.79	−19 28.2	1.479	2.438	9.6	20.2
9 8	20 54.76	−20 46.7	1.519	2.412	14.0	20.4
9 18	20 50.35	−21 47.5	1.580	2.387	17.7	20.6

111829 2002 EA_{6} 8 9.8 120°.27 0°.2/ 9.7 17

7 10	21 42.72	−12 26.3	1.411	2.313	14.9	20.0
7 20	21 37.16	−13 27.1	1.355	2.317	10.6	19.8
7 30	21 29.31	−14 41.4	1.321	2.322	5.6	19.5
8 9	21 20.12	−16 1.8	1.312	2.326	0.4	19.1
8 19	21 10.77	−17 20.1	1.329	2.330	4.9	19.5
8 29	21 2.56	−18 28.6	1.371	2.334	9.8	19.8
9 8	20 56.54	−19 22.4	1.437	2.338	14.1	20.0
9 18	20 53.35	−19 59.3	1.521	2.341	17.7	20.3

380271 2001 YH_{139} 8 9.8 225°.09 2°.8/12.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 42.09	− 5 43.2	2.108	2.971	12.3	21.5
7 20	21 36.23	− 5 57.2	2.025	2.961	9.3	21.3
7 30	21 28.68	− 6 24.6	1.966	2.950	5.9	21.1
8 9	21 20.08	− 7 3.1	1.933	2.939	3.0	20.9
8 19	21 11.21	− 7 49.3	1.928	2.927	4.0	20.9
8 29	21 2.99	− 8 38.7	1.951	2.914	7.3	21.1
9 8	20 56.23	− 9 26.9	2.000	2.901	10.8	21.3
9 18	20 51.50	−10 10.1	2.072	2.887	13.8	21.5

336374 2008 UM_{54} 8 9.8 337°.69 12°.7/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 35.75	+ 7 35.8	1.173	2.024	20.8	18.6
7 20	21 32.75	+ 9 2.2	1.097	2.000	18.1	18.3
7 30	21 27.23	+ 9 59.8	1.037	1.978	15.3	18.1
8 9	21 19.98	+10 22.4	0.996	1.957	13.2	17.9
8 19	21 12.13	+10 7.2	0.974	1.938	12.8	17.8
8 29	21 5.16	+ 9 17.1	0.971	1.921	14.4	17.9
9 8	21 0.41	+ 8 0.8	0.987	1.906	17.4	18.0
9 18	20 58.83	+ 6 30.0	1.021	1.893	20.7	18.2

472640 2015 DG_{211} 8 9.8 173°.99 0°.7/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.99	−10 16.9	1.834	2.720	12.8	20.8
7 20	21 35.58	−11 11.9	1.768	2.722	9.2	20.6
7 30	21 28.35	−12 19.7	1.726	2.723	5.1	20.4
8 9	21 20.05	−13 34.9	1.711	2.724	0.9	20.1
8 19	21 11.57	−14 51.5	1.723	2.724	3.9	20.3
8 29	21 3.91	−16 3.0	1.763	2.725	8.0	20.6
9 8	20 57.93	−17 4.6	1.827	2.725	11.8	20.8
9 18	20 54.20	−17 53.4	1.913	2.724	14.9	21.0

240608 2004 WN_{12} 8 9.8 162°.40 4°.7/ 5.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.50	−27 59.7	2.268	3.167	10.2	20.8
7 20	21 37.16	−29 15.1	2.217	3.173	7.5	20.7
7 30	21 29.12	−30 27.0	2.192	3.178	5.3	20.5
8 9	21 20.11	−31 29.1	2.194	3.182	4.9	20.5
8 19	21 10.98	−32 16.4	2.224	3.186	6.8	20.7
8 29	21 2.68	−32 46.0	2.281	3.189	9.4	20.8
9 8	20 56.01	−32 57.6	2.361	3.192	11.9	21.0
9 18	20 51.49	−32 52.8	2.461	3.194	14.1	21.2

481646 2007 VH_{142} 8 9.8 308°.01 1°.8/11.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.51	− 9 13.8	1.657	2.547	13.7	21.4
7 20	21 34.84	− 9 32.5	1.573	2.526	10.1	21.1
7 30	21 28.11	−10 5.3	1.511	2.506	6.0	20.9
8 9	21 20.05	−10 49.0	1.474	2.485	2.1	20.6
8 19	21 11.60	−11 38.9	1.463	2.465	4.2	20.7
8 29	21 3.88	−12 29.2	1.477	2.445	8.7	20.9
9 8	20 57.91	−13 14.7	1.516	2.426	12.9	21.1
9 18	20 54.41	−13 51.5	1.574	2.407	16.6	21.3

69641 1998 FQ_{77} 8 9.8 288°.55 5°.7/ 6.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 45.15	−25 49.9	1.375	2.291	14.3	18.7
7 20	21 39.30	−26 56.2	1.309	2.276	10.4	18.4
7 30	21 30.67	−28 1.9	1.265	2.260	6.9	18.2
8 9	21 20.25	−28 57.4	1.245	2.244	5.9	18.1
8 19	21 9.44	−29 34.3	1.249	2.229	8.8	18.2
8 29	20 59.82	−29 47.7	1.277	2.213	13.0	18.4
9 8	20 52.75	−29 37.2	1.325	2.197	17.0	18.6
9 18	20 49.00	−29 5.7	1.391	2.182	20.5	18.8

349182 2007 RT_{112} 8 9.8 283°.29 0°.6/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.51	−11 55.5	1.822	2.715	12.6	21.4
7 20	21 35.33	−12 25.5	1.746	2.703	9.0	21.2
7 30	21 28.29	−13 6.1	1.694	2.692	5.0	20.9
8 9	21 20.07	−13 53.3	1.667	2.680	0.8	20.6
8 19	21 11.60	−14 42.1	1.667	2.669	3.9	20.8
8 29	21 3.89	−15 27.5	1.694	2.657	8.2	21.0
9 8	20 57.84	−16 5.3	1.745	2.646	12.0	21.2
9 18	20 54.07	−16 33.0	1.817	2.635	15.4	21.4

398272 2010 TC_{119} 8 9.8 15°.89 3°.7/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 41.31	−23 28.5	1.490	2.407	13.3	19.7
7 20	21 36.03	−23 59.2	1.445	2.414	9.4	19.5
7 30	21 28.62	−24 28.7	1.422	2.421	5.5	19.3
8 9	21 20.09	−24 51.1	1.424	2.430	3.8	19.2
8 19	21 11.60	−25 1.3	1.450	2.440	6.5	19.4
8 29	21 4.35	−24 57.0	1.501	2.450	10.3	19.7
9 8	20 59.26	−24 38.0	1.574	2.462	13.9	19.9
9 18	20 56.83	−24 5.8	1.667	2.474	16.9	20.2

253561 2003 SR_{266} 8 9.8 331°.64 1°.4/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.95	−10 31.4	1.057	1.975	17.4	19.7
7 20	21 34.47	−10 57.0	0.990	1.958	12.7	19.4
7 30	21 28.20	−11 42.0	0.942	1.942	7.2	19.0
8 9	21 20.08	−12 41.3	0.915	1.928	1.7	18.6
8 19	21 11.49	−13 47.0	0.910	1.914	5.4	18.8
8 29	21 4.05	−14 49.6	0.926	1.901	11.4	19.1
9 8	20 59.19	−15 41.2	0.963	1.890	16.8	19.4
9 18	20 57.75	−16 17.1	1.016	1.880	21.4	19.6

91603 1999 TA_{19} 8 9.8 282°.52 7°.9/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 45.06	−38 58.6	2.219	3.104	11.0	19.1
7 20	21 38.46	−40 1.8	2.170	3.100	9.1	18.9
7 30	21 29.89	−40 53.2	2.146	3.096	8.0	18.9
8 9	21 20.21	−41 26.2	2.146	3.092	8.1	18.9
8 19	21 10.46	−41 36.8	2.172	3.088	9.5	19.0
8 29	21 1.74	−41 24.1	2.221	3.084	11.5	19.1
9 8	20 54.97	−40 50.0	2.292	3.080	13.6	19.2
9 18	20 50.68	−39 58.1	2.382	3.077	15.4	19.4

320019 2007 DE_{69} 8 9.8 246°.50 0°.2/10.0 12 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.87	−13 11.4	2.589	3.472	9.7	22.9
7 20	21 34.48	−13 40.5	2.503	3.456	6.9	22.7
7 30	21 27.69	−14 16.3	2.442	3.439	3.7	22.5
8 9	21 20.04	−14 55.7	2.409	3.423	0.4	22.2
8 19	21 12.18	−15 35.5	2.405	3.405	3.1	22.4
8 29	21 4.83	−16 12.2	2.430	3.388	6.4	22.6
9 8	20 58.64	−16 43.0	2.481	3.370	9.4	22.7
9 18	20 54.13	−17 6.2	2.556	3.352	12.0	22.9

17302 4610 P–L 8 9.8 182°.12 1°.9/11.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 41.88	− 8 2.2	1.921	2.798	12.8	18.6
7 20	21 36.14	− 8 28.6	1.852	2.798	9.4	18.4
7 30	21 28.64	− 9 7.9	1.807	2.799	5.6	18.2
8 9	21 20.12	− 9 56.6	1.788	2.798	2.2	17.9
8 19	21 11.43	−10 50.2	1.797	2.798	3.8	18.1
8 29	21 3.54	−11 43.6	1.833	2.797	7.6	18.3
9 8	20 57.26	−12 32.2	1.894	2.796	11.2	18.5
9 18	20 53.15	−13 12.8	1.977	2.794	14.3	18.7

472161 2014 DC_{23} 8 9.8 268°.76 1°.3/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.55	−11 12.8	1.886	2.770	12.6	21.3
7 20	21 37.54	−11 21.4	1.796	2.748	9.2	21.1
7 30	21 29.53	−11 39.9	1.730	2.726	5.3	20.8
8 9	21 20.20	−12 5.3	1.690	2.702	1.5	20.5
8 19	21 10.47	−12 34.0	1.677	2.679	4.0	20.6
8 29	21 1.42	−13 1.8	1.692	2.655	8.2	20.8
9 8	20 54.02	−13 25.2	1.731	2.631	12.2	21.0
9 18	20 48.96	−13 41.7	1.792	2.606	15.7	21.2

111421 2001 XD_{194} 8 9.8 109°.84 0°.2/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.17	−13 2.5	2.316	3.202	10.5	20.2
7 20	21 34.63	−13 32.7	2.259	3.213	7.4	20.0
7 30	21 27.72	−14 9.6	2.227	3.225	4.0	19.8
8 9	21 20.05	−14 49.8	2.223	3.236	0.4	19.6
8 19	21 12.34	−15 29.4	2.247	3.247	3.2	19.8
8 29	21 5.36	−16 5.0	2.299	3.258	6.6	20.1
9 8	20 59.74	−16 34.0	2.377	3.269	9.6	20.3
9 18	20 55.93	−16 54.9	2.478	3.279	12.2	20.5

482127 2010 PR_{70} 8 9.8 277°.48 5°.9/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.23	−32 1.8	2.282	3.180	10.1	20.9
7 20	21 36.47	−33 10.2	2.213	3.163	7.8	20.7
7 30	21 28.88	−34 13.4	2.169	3.145	6.2	20.5
8 9	21 20.15	−35 4.8	2.152	3.127	6.1	20.5
8 19	21 11.16	−35 39.6	2.162	3.110	7.8	20.6
8 29	21 2.92	−35 54.8	2.197	3.092	10.3	20.7
9 8	20 56.29	−35 50.4	2.254	3.074	12.8	20.9
9 18	20 51.88	−35 28.4	2.331	3.056	15.0	21.0

343738 2011 FD_{12} 8 9.8 117°.20 7°.6/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.65	+ 7 53.3	1.882	2.688	15.8	20.9
7 20	21 35.25	+ 7 56.1	1.818	2.698	13.2	20.7
7 30	21 28.16	+ 7 34.1	1.774	2.708	10.4	20.6
8 9	21 20.10	+ 6 47.7	1.754	2.718	8.3	20.5
8 19	21 11.93	+ 5 39.8	1.759	2.727	7.7	20.5
8 29	21 4.59	+ 4 16.3	1.790	2.736	9.1	20.6
9 8	20 58.85	+ 2 44.8	1.845	2.745	11.5	20.7
9 18	20 55.25	+ 1 12.6	1.923	2.754	14.1	20.9

404788 2014 JT_{52} 8 9.8 53°.73 0°.4/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.57	−14 54.4	1.885	2.783	12.0	20.9
7 20	21 35.13	−15 24.6	1.835	2.796	8.4	20.7
7 30	21 28.05	−16 1.3	1.809	2.809	4.4	20.5
8 9	21 20.09	−16 40.1	1.809	2.823	0.4	20.2
8 19	21 12.12	−17 16.5	1.836	2.836	3.9	20.5
8 29	21 5.07	−17 46.6	1.890	2.850	7.8	20.8
9 8	20 59.69	−18 7.9	1.969	2.864	11.2	21.0
9 18	20 56.45	−18 19.3	2.069	2.878	14.0	21.3

234267 2000 VC_{55} 8 9.8 277°.26 2°.1/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.41	− 8 52.4	1.800	2.682	13.2	20.4
7 20	21 36.81	− 8 59.0	1.712	2.660	9.8	20.1
7 30	21 29.17	− 9 18.0	1.646	2.638	5.9	19.9
8 9	21 20.21	− 9 46.9	1.606	2.616	2.4	19.6
8 19	21 10.83	−10 22.0	1.593	2.594	4.2	19.7
8 29	21 2.14	−10 58.9	1.606	2.572	8.4	19.9
9 8	20 55.13	−11 32.9	1.644	2.549	12.4	20.1
9 18	20 50.51	−12 0.8	1.703	2.526	16.0	20.2

358459 2007 EG_{158} 8 9.9 158.°92 8.°8/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 50.13	−49 21.7	2.878	3.711	10.2	21.0
7 20	21 41.81	−50 21.4	2.846	3.717	9.3	20.9
7 30	21 31.60	−51 4.7	2.839	3.722	8.8	20.9
8 9	21 20.38	−51 26.6	2.855	3.727	9.1	20.9
8 19	21 9.23	−51 24.8	2.896	3.731	10.0	21.0
8 29	20 59.24	−50 59.5	2.959	3.735	11.1	21.1
9 8	20 51.25	−50 13.5	3.042	3.739	12.4	21.2
9 18	20 45.77	−49 10.9	3.143	3.742	13.5	21.3

505733 2015 BX_{8} 8 9.9 208.°40 0.°0/ 9.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.37	−12 8.9	1.662	2.556	13.5	21.7
7 20	21 36.77	−13 5.3	1.594	2.553	9.6	21.5
7 30	21 29.12	−14 14.2	1.550	2.550	5.2	21.2
8 9	21 20.21	−15 29.6	1.532	2.546	0.4	20.8
8 19	21 11.04	−16 44.4	1.541	2.542	4.4	21.2
8 29	21 2.78	−17 52.0	1.577	2.538	8.9	21.4
9 8	20 56.40	−18 47.4	1.636	2.533	13.0	21.6
9 18	20 52.53	−19 28.3	1.716	2.528	16.4	21.9

193460 2000 XE_{6} 8 9.9 294.°63 0.°4/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 44.44	−15 24.0	1.687	2.584	13.1	21.1
7 20	21 38.55	−15 41.3	1.588	2.549	9.5	20.8
7 30	21 30.27	−16 6.5	1.512	2.513	5.1	20.4
8 9	21 20.32	−16 35.4	1.462	2.476	0.5	20.0
8 19	21 9.71	−17 3.0	1.439	2.439	4.7	20.2
8 29	20 59.74	−17 24.7	1.442	2.402	9.6	20.4
9 8	20 51.62	−17 37.0	1.468	2.365	14.2	20.6
9 18	20 46.22	−17 38.4	1.515	2.327	18.1	20.8

298253 2002 VF_{61} 8 9.9 280.°45 3.°2/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.09	−23 6.1	1.902	2.806	11.5	20.3
7 20	21 37.13	−23 43.4	1.836	2.799	8.2	20.1
7 30	21 29.24	−24 20.7	1.794	2.792	4.8	19.9
8 9	21 20.22	−24 52.6	1.778	2.784	3.3	19.8
8 19	21 11.04	−25 14.3	1.790	2.777	5.8	19.9
8 29	21 2.75	−25 22.8	1.827	2.769	9.3	20.1
9 8	20 56.27	−25 17.1	1.889	2.762	12.6	20.3
9 18	20 52.17	−24 58.3	1.970	2.755	15.5	20.5

475975 2007 NK_{3} 8 9.9 354.°83 3.°1/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 44.17	−13 13.5	1.092	2.006	17.3	18.8
7 20	21 38.67	−11 54.1	1.032	1.997	12.7	18.5
7 30	21 30.34	−10 40.8	0.991	1.990	7.6	18.2
8 9	21 20.32	− 9 34.4	0.974	1.984	3.3	18.0
8 19	21 10.11	− 8 35.6	0.979	1.981	5.8	18.1
8 29	21 1.36	− 7 44.4	1.007	1.979	11.1	18.4
9 8	20 55.34	− 6 59.5	1.055	1.980	15.9	18.7
9 18	20 52.73	− 6 18.8	1.122	1.982	20.1	18.9

137077 1998 XE_{4} 8 9.9 207.°43 1.°1/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.74	−16 12.2	1.953	2.847	11.8	20.7
7 20	21 37.54	−16 57.3	1.882	2.842	8.3	20.5
7 30	21 29.46	−17 48.9	1.836	2.836	4.4	20.3
8 9	21 20.25	−18 41.8	1.817	2.830	1.1	20.0
8 19	21 10.83	−19 30.8	1.826	2.823	4.4	20.2
8 29	21 2.20	−20 11.3	1.862	2.816	8.4	20.5
9 8	20 55.27	−20 40.4	1.924	2.808	11.9	20.7
9 18	20 50.62	−20 57.2	2.006	2.799	15.0	20.9

466705 2014 WP_{412} 8 9.9 260.°44 2.°3/ 8.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 45.00	−18 25.3	1.425	2.334	14.3	21.1
7 20	21 39.04	−19 14.3	1.356	2.322	10.1	20.8
7 30	21 30.51	−20 10.4	1.308	2.310	5.5	20.5
8 9	21 20.35	−21 6.1	1.286	2.297	2.4	20.3
8 19	21 9.81	−21 54.0	1.289	2.284	6.1	20.5
8 29	21 0.35	−22 28.0	1.316	2.271	10.9	20.8
9 8	20 53.19	−22 45.4	1.366	2.258	15.4	21.0
9 18	20 49.10	−22 46.1	1.435	2.244	19.1	21.2

388836 2008 DY_{60} 8 9.9 28.°99 1.°7/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.35	− 7 23.7	1.696	2.584	13.6	20.0
7 20	21 33.06	− 8 16.7	1.642	2.593	9.9	19.8
7 30	21 27.04	− 9 25.3	1.610	2.604	5.8	19.6
8 9	21 20.06	−10 44.3	1.603	2.614	2.0	19.4
8 19	21 13.00	−12 7.3	1.623	2.626	3.8	19.5
8 29	21 6.81	−13 27.3	1.670	2.638	7.9	19.8
9 8	21 2.30	−14 38.3	1.741	2.650	11.6	20.0
9 18	20 59.97	−15 36.8	1.833	2.663	14.7	20.3

193647 2001 DB_{28} 8 9.9 202.°23 0.°0/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 41.24	−12 59.3	2.051	2.939	11.5	20.4
7 20	21 35.67	−13 42.8	1.981	2.937	8.2	20.2
7 30	21 28.42	−14 35.1	1.935	2.934	4.4	20.0
8 9	21 20.18	−15 31.8	1.917	2.930	0.4	19.6
8 19	21 11.75	−16 28.0	1.926	2.927	3.7	19.9
8 29	21 4.05	−17 18.7	1.964	2.923	7.6	20.1
9 8	20 57.88	−18 0.5	2.026	2.918	11.1	20.3
9 18	20 53.78	−18 31.4	2.111	2.914	14.0	20.5

62792 2000 UV_{28} 8 9.9 6.°22 11.°6/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 42.06	−37 2.7	1.189	2.107	15.8	18.0
7 20	21 37.45	−38 58.9	1.156	2.107	13.1	17.8
7 30	21 29.76	−40 38.5	1.143	2.108	11.6	17.7
8 9	21 20.29	−41 48.6	1.152	2.111	12.1	17.8
8 19	21 10.75	−42 21.2	1.182	2.114	14.3	17.9
8 29	21 2.93	−42 14.6	1.231	2.119	17.1	18.1
9 8	20 58.15	−41 33.4	1.296	2.125	19.9	18.3
9 18	20 56.99	−40 24.9	1.377	2.132	22.3	18.5

443639 2014 OB_{131} 8 9.9 353.°58 4.°3/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 36.99	− 0 44.9	1.898	2.755	13.8	20.4
7 20	21 32.75	− 1 9.1	1.827	2.753	10.7	20.2
7 30	21 26.89	− 1 52.5	1.777	2.751	7.4	20.0
8 9	21 20.07	− 2 53.1	1.752	2.749	4.8	19.8
8 19	21 13.07	− 4 6.3	1.753	2.748	4.9	19.8
8 29	21 6.78	− 5 26.2	1.781	2.747	7.6	20.0
9 8	21 1.97	− 6 46.1	1.834	2.747	10.9	20.2
9 18	20 59.17	− 8 0.6	1.909	2.747	13.9	20.4

339284 2004 XT_{18} 8 9.9 271.°09 4.°1/ 6.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.03	−23 41.9	1.839	2.746	11.8	20.8
7 20	21 37.34	−24 50.8	1.763	2.727	8.4	20.6
7 30	21 29.51	−26 1.6	1.711	2.707	5.3	20.4
8 9	21 20.30	−27 7.1	1.686	2.688	4.2	20.3
8 19	21 10.70	−28 0.3	1.687	2.668	6.8	20.4
8 29	21 1.89	−28 36.5	1.715	2.647	10.4	20.5
9 8	20 54.92	−28 53.6	1.765	2.627	13.9	20.7
9 18	20 50.49	−28 52.5	1.834	2.606	16.9	20.9

219301 2000 DP_{70} 8 9.9 82.°92 0.°8/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 45.27	−15 56.4	1.506	2.408	14.1	20.5
7 20	21 38.72	−16 27.1	1.462	2.425	9.9	20.3
7 30	21 30.08	−17 4.4	1.440	2.441	5.2	20.1
8 9	21 20.33	−17 42.6	1.444	2.457	0.9	19.8
8 19	21 10.65	−18 16.1	1.474	2.473	4.8	20.1
8 29	21 2.24	−18 40.8	1.530	2.489	9.2	20.4
9 8	20 56.03	−18 54.4	1.609	2.505	13.1	20.7
9 18	20 52.51	−18 56.4	1.708	2.521	16.4	21.0

314510 2005 XM_{36} 8 9.9 248.°86 0.°3/ 9.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.79	−14 50.2	2.403	3.293	10.0	22.0
7 20	21 34.49	−15 17.7	2.327	3.284	7.1	21.8
7 30	21 27.75	−15 50.9	2.276	3.275	3.8	21.6
8 9	21 20.15	−16 26.5	2.253	3.266	0.3	21.3
8 19	21 12.38	−17 1.0	2.258	3.257	3.4	21.6
8 29	21 5.22	−17 31.0	2.291	3.248	6.8	21.8
9 8	20 59.34	−17 54.0	2.349	3.239	9.9	21.9
9 18	20 55.24	−18 8.6	2.431	3.229	12.5	22.1

449903 2015 MH_{113} 8 9.9 23.°50 5.°5/14.3 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 36.67	+ 0 25.0	1.419	2.288	16.9	20.6
7 20	21 32.78	+ 0 6.1	1.368	2.299	13.2	20.4
7 30	21 26.96	− 0 37.9	1.338	2.312	9.3	20.2
8 9	21 20.08	− 1 43.8	1.330	2.326	6.1	20.0
8 19	21 13.15	− 3 5.7	1.346	2.341	6.0	20.1
8 29	21 7.24	− 4 35.3	1.387	2.357	8.9	20.3
9 8	21 3.23	− 6 3.7	1.452	2.374	12.5	20.5
9 18	21 1.64	− 7 24.0	1.537	2.392	15.8	20.8

256884 2008 DN_{37} 8 9.9 151.°82 4.°3/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.38	− 0 17.5	2.228	3.071	12.5	20.4
7 20	21 33.52	− 0 30.7	2.155	3.073	9.8	20.2
7 30	21 27.23	− 1 0.2	2.106	3.074	6.9	20.1
8 9	21 20.11	− 1 44.3	2.082	3.075	4.6	19.9
8 19	21 12.86	− 2 40.0	2.085	3.076	4.7	19.9
8 29	21 6.23	− 3 42.6	2.115	3.076	7.0	20.1
9 8	21 0.91	− 4 47.1	2.172	3.077	9.8	20.3
9 18	20 57.38	− 5 48.8	2.252	3.078	12.5	20.4

371543 2006 UV_{291} 8 9.9 275.°64 1.°1/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.33	−15 46.1	1.543	2.447	13.8	21.6
7 20	21 37.77	−16 29.1	1.465	2.429	9.8	21.3
7 30	21 29.85	−17 21.7	1.409	2.410	5.2	21.0
8 9	21 20.36	−18 17.9	1.378	2.391	1.1	20.7
8 19	21 10.43	−19 10.9	1.373	2.372	5.2	20.9
8 29	21 1.37	−19 54.5	1.394	2.353	10.0	21.1
9 8	20 54.36	−20 24.8	1.438	2.334	14.4	21.3
9 18	20 50.17	−20 40.1	1.501	2.314	18.2	21.5

447050 2004 RR_{172} 8 9.9 133.°19 4.°6/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.15	+ 1 15.0	2.333	3.167	12.3	21.2
7 20	21 33.30	+ 1 6.1	2.261	3.170	9.7	21.0
7 30	21 27.11	+ 0 40.7	2.212	3.173	7.1	20.9
8 9	21 20.12	+ 0 0.1	2.188	3.175	5.0	20.7
8 19	21 13.02	− 0 52.7	2.191	3.178	4.9	20.7
8 29	21 6.52	− 1 53.7	2.222	3.180	6.9	20.9
9 8	21 1.26	− 2 57.8	2.279	3.182	9.5	21.0
9 18	20 57.71	− 4 0.4	2.359	3.184	12.0	21.2

505743 2015 BO_{60} 8 9.9 153°.53 1°.2/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 44.55	−16 20.3	1.764	2.661	12.7	22.1
7 20	21 38.16	−17 3.9	1.706	2.667	8.9	21.9
7 30	21 29.81	−17 53.8	1.672	2.672	4.7	21.7
8 9	21 20.35	−18 44.4	1.665	2.678	1.2	21.4
8 19	21 10.80	−19 30.0	1.685	2.682	4.6	21.7
8 29	21 2.23	−20 6.2	1.732	2.686	8.7	21.9
9 8	20 55.57	−20 30.4	1.803	2.690	12.4	22.2
9 18	20 51.36	−20 41.9	1.894	2.693	15.5	22.4

342358 2008 TW_{181} 8 9.9 2°.70 0°.8/10.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.40	−11 36.1	1.463	2.365	14.5	21.2
7 20	21 35.53	−12 6.5	1.403	2.364	10.4	21.0
7 30	21 28.52	−12 49.8	1.365	2.364	5.8	20.7
8 9	21 20.26	−13 40.8	1.351	2.364	1.0	20.4
8 19	21 11.82	−14 33.4	1.362	2.365	4.4	20.6
8 29	21 4.42	−15 21.5	1.399	2.366	9.1	20.9
9 8	20 59.04	−16 0.3	1.458	2.368	13.4	21.2
9 18	20 56.31	−16 27.1	1.537	2.370	16.9	21.4

72650 2001 FP_{44} 8 9.9 232°.89 9°.3/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 41.42	+13 13.9	1.912	2.681	16.9	20.2
7 20	21 36.05	+13 7.3	1.821	2.669	14.6	20.1
7 30	21 28.78	+12 30.9	1.750	2.656	12.2	19.9
8 9	21 20.29	+11 23.2	1.700	2.643	10.1	19.7
8 19	21 11.42	+ 9 46.0	1.676	2.629	9.3	19.6
8 29	21 3.21	+ 7 45.4	1.677	2.614	10.3	19.7
9 8	20 56.56	+ 5 30.7	1.704	2.598	12.6	19.8
9 18	20 52.17	+ 3 12.0	1.754	2.582	15.4	19.9

97985 2000 QR_{173} 8 9.9 243°.21 4°.6/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.80	− 3 11.1	1.440	2.313	16.4	19.6
7 20	21 37.33	− 3 15.7	1.370	2.308	12.6	19.3
7 30	21 29.56	− 3 41.3	1.321	2.303	8.5	19.1
8 9	21 20.37	− 4 25.9	1.295	2.298	5.0	18.9
8 19	21 10.86	− 5 24.8	1.295	2.292	5.7	18.9
8 29	21 2.34	− 6 31.1	1.319	2.287	9.5	19.1
9 8	20 55.90	− 7 37.3	1.367	2.281	13.7	19.4
9 18	20 52.24	− 8 37.2	1.434	2.275	17.5	19.6

221016 2005 PW_{1} 8 9.9 315°.23 1°.2/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.83	−14 27.7	1.342	2.254	14.8	19.2
7 20	21 35.47	−15 32.9	1.273	2.241	10.5	18.9
7 30	21 28.68	−16 51.9	1.225	2.228	5.6	18.6
8 9	21 20.30	−18 17.0	1.202	2.215	1.2	18.3
8 19	21 11.53	−19 39.2	1.203	2.203	5.6	18.6
8 29	21 3.74	−20 49.8	1.229	2.191	10.7	18.8
9 8	20 58.16	−21 43.2	1.276	2.180	15.4	19.1
9 18	20 55.53	−22 17.0	1.342	2.169	19.3	19.3

478522 2012 SL_{56} 8 9.9 303°.73 9°.0/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 47.46	−36 23.5	1.613	2.512	13.5	20.6
7 20	21 40.82	−37 29.1	1.554	2.498	11.0	20.4
7 30	21 31.49	−38 22.6	1.518	2.484	9.2	20.3
8 9	21 20.53	−38 54.8	1.505	2.470	9.3	20.3
8 19	21 9.35	−38 59.4	1.517	2.457	11.1	20.3
8 29	20 59.51	−38 34.7	1.551	2.443	13.9	20.5
9 8	20 52.24	−37 43.7	1.605	2.430	16.8	20.7
9 18	20 48.21	−36 31.8	1.676	2.418	19.4	20.8

35501 1998 FM_{41} 8 9.9 234°.15 0°.4/10.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.77	−12 44.8	1.939	2.827	12.1	19.7
7 20	21 36.89	−13 10.8	1.863	2.818	8.7	19.5
7 30	21 29.18	−13 45.7	1.811	2.808	4.8	19.2
8 9	21 20.34	−14 25.8	1.785	2.798	0.6	18.9
8 19	21 11.26	−15 6.4	1.787	2.788	3.8	19.1
8 29	21 2.92	−15 43.2	1.816	2.777	7.9	19.4
9 8	20 56.22	−16 12.8	1.871	2.766	11.6	19.6
9 18	20 51.75	−16 33.1	1.947	2.755	14.8	19.8

88190 2000 YH_{18} 8 9.9 302°.52 2°.6/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.20	− 7 5.9	1.573	2.458	14.6	18.5
7 20	21 35.62	− 7 29.2	1.477	2.427	11.0	18.2
7 30	21 28.77	− 8 10.6	1.403	2.395	6.8	17.8
8 9	21 20.33	− 9 7.5	1.353	2.363	2.9	17.5
8 19	21 11.28	−10 14.7	1.329	2.331	4.6	17.6
8 29	21 2.84	−11 25.5	1.330	2.299	9.3	17.7
9 8	20 56.19	−12 32.7	1.355	2.268	14.0	17.9
9 18	20 52.20	−13 30.7	1.399	2.236	18.1	18.1

370620 2003 YR_{27} 8 9.9 270°.90 1°.0/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.97	−11 24.8	1.564	2.456	14.3	21.4
7 20	21 38.23	−11 46.3	1.480	2.436	10.4	21.1
7 30	21 30.13	−12 20.5	1.418	2.415	5.9	20.8
8 9	21 20.45	−13 3.4	1.381	2.394	1.3	20.5
8 19	21 10.28	−13 49.7	1.371	2.373	4.5	20.7
8 29	21 0.92	−14 33.4	1.386	2.351	9.5	20.9
9 8	20 53.55	−15 9.7	1.425	2.329	14.0	21.1
9 18	20 48.94	−15 35.5	1.483	2.307	17.9	21.3

373822 2002 XH_{8} 8 9.9 270°.66 1°.3/ 9.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 43.38	−16 13.1	1.612	2.515	13.3	21.3
7 20	21 37.74	−16 56.8	1.534	2.498	9.5	21.0
7 30	21 29.83	−17 49.2	1.479	2.481	5.0	20.7
8 9	21 20.43	−18 44.3	1.450	2.463	1.3	20.4
8 19	21 10.63	−19 35.7	1.447	2.445	5.1	20.7
8 29	21 1.68	−20 17.5	1.470	2.427	9.8	20.9
9 8	20 54.70	−20 46.0	1.515	2.409	14.0	21.1
9 18	20 50.43	−21 0.0	1.581	2.390	17.6	21.3

373829 2002 XN_{50} 8 9.9 230°.98 1°.8/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 44.10	−17 55.6	1.823	2.722	12.2	21.7
7 20	21 37.99	−18 44.2	1.750	2.713	8.6	21.5
7 30	21 29.84	−19 38.6	1.702	2.702	4.6	21.2
8 9	21 20.43	−20 32.9	1.680	2.692	1.8	21.0
8 19	21 10.73	−21 21.4	1.686	2.680	5.0	21.2
8 29	21 1.87	−21 59.0	1.718	2.669	9.1	21.4
9 8	20 54.82	−22 23.2	1.774	2.657	12.9	21.6
9 18	20 50.24	−22 33.4	1.851	2.644	16.0	21.8

197912 2004 RQ_{46} 8 9.9 8°.94 4°.6/ 8.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.26	−24 48.4	1.016	1.947	16.7	19.8
7 20	21 38.14	−24 55.9	0.974	1.949	12.0	19.5
7 30	21 30.07	−24 59.5	0.952	1.953	7.1	19.3
8 9	21 20.44	−24 51.9	0.951	1.959	4.7	19.2
8 19	21 10.90	−24 28.7	0.972	1.966	7.9	19.4
8 29	21 3.16	−23 48.6	1.015	1.975	12.6	19.7
9 8	20 58.39	−22 53.7	1.077	1.986	17.1	20.0
9 18	20 57.11	−21 47.6	1.156	1.998	20.8	20.2

437267 2012 XK_{126} 8 9.9 345°.08 3°.6/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 41.98	−22 17.5	1.651	2.563	12.6	20.8
7 20	21 36.58	−23 15.3	1.594	2.561	8.9	20.6
7 30	21 29.09	−24 14.8	1.560	2.559	5.2	20.3
8 9	21 20.36	−25 8.9	1.551	2.557	3.7	20.2
8 19	21 11.48	−25 51.3	1.568	2.555	6.4	20.4
8 29	21 3.62	−26 17.7	1.611	2.554	10.2	20.6
9 8	20 57.74	−26 26.7	1.676	2.553	13.8	20.8
9 18	20 54.46	−26 19.2	1.760	2.552	16.8	21.1

485839 2012 DL_{76} 8 9.9 53°.31 11°.3/20.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.00	+16 0.2	0.930	1.753	27.0	21.0
7 20	21 35.33	+14 40.6	0.871	1.759	23.0	20.7
7 30	21 28.75	+12 16.9	0.827	1.766	18.4	20.5
8 9	21 20.35	+ 8 49.3	0.800	1.773	13.8	20.3
8 19	21 11.64	+ 4 30.4	0.795	1.780	11.3	20.2
8 29	21 4.39	− 0 13.8	0.815	1.787	12.9	20.3
9 8	20 59.97	− 4 52.3	0.857	1.795	17.1	20.5
9 18	20 59.14	− 9 1.0	0.921	1.803	21.6	20.9

433235 2012 VU_{49} 8 9.9 40°.72 3°.9/ 7.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.10	−23 31.8	1.681	2.590	12.5	21.2
7 20	21 37.30	−24 27.4	1.628	2.593	8.9	21.0
7 30	21 29.44	−25 22.8	1.598	2.595	5.4	20.8
8 9	21 20.39	−26 11.2	1.594	2.598	4.0	20.8
8 19	21 11.26	−26 46.7	1.617	2.601	6.6	20.9
8 29	21 3.19	−27 5.6	1.664	2.604	10.2	21.1
9 8	20 57.14	−27 7.2	1.735	2.607	13.6	21.4
9 18	20 53.68	−26 52.9	1.824	2.610	16.5	21.6

235877 2005 BW_{27} 8 9.9 76°.03 1°.6/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.41	−17 50.9	1.775	2.677	12.3	20.4
7 20	21 36.68	−18 29.1	1.716	2.680	8.6	20.2
7 30	21 29.06	−19 12.2	1.682	2.683	4.6	20.0
8 9	21 20.36	−19 54.7	1.674	2.686	1.6	19.8
8 19	21 11.56	−20 31.4	1.692	2.688	4.8	20.0
8 29	21 3.71	−20 58.5	1.737	2.691	8.7	20.2
9 8	20 57.69	−21 13.5	1.805	2.694	12.3	20.5
9 18	20 54.05	−21 16.2	1.894	2.697	15.4	20.7

52063 2002 QS_{18} 8 9.9 155°.06 3°.5/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 48.97	−24 2.0	1.830	2.727	12.3	19.3
7 20	21 41.24	−24 35.8	1.776	2.735	8.7	19.1
7 30	21 31.46	−25 7.7	1.746	2.742	5.2	18.9
8 9	21 20.56	−25 31.7	1.744	2.748	3.6	18.8
8 19	21 9.67	−25 43.7	1.769	2.754	6.0	19.0
8 29	20 59.94	−25 41.2	1.821	2.759	9.6	19.2
9 8	20 52.29	−25 24.7	1.897	2.763	12.9	19.5
9 18	20 47.28	−24 55.9	1.993	2.767	15.7	19.7

20514 1999 RD_{34} 8 9.9 321°.07 1°.3/ 8.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.57	−17 56.7	1.920	2.823	11.5	18.3
7 20	21 35.37	−18 23.5	1.849	2.813	8.1	18.0
7 30	21 28.38	−18 54.6	1.802	2.803	4.3	17.8
8 9	21 20.32	−19 25.8	1.782	2.794	1.3	17.6
8 19	21 12.06	−19 52.6	1.788	2.785	4.4	17.8
8 29	21 4.60	−20 11.4	1.821	2.777	8.3	18.0
9 8	20 58.78	−20 20.1	1.877	2.768	11.8	18.2
9 18	20 55.17	−20 18.1	1.955	2.761	14.9	18.4

12780 Salamony 8 9.9 199°.98 1°.1/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 40.87	−18 23.6	2.615	3.506	9.3	19.5
7 20	21 35.16	−18 48.3	2.545	3.504	6.5	19.3
7 30	21 28.11	−19 15.6	2.502	3.501	3.4	19.1
8 9	21 20.29	−19 42.1	2.486	3.498	1.1	19.0
8 19	21 12.37	−20 4.8	2.500	3.495	3.5	19.1
8 29	21 5.07	−20 21.2	2.541	3.492	6.6	19.3
9 8	20 59.01	−20 29.7	2.609	3.488	9.4	19.5
9 18	20 54.65	−20 29.8	2.700	3.484	11.8	19.7

359534 2010 RS_{113} 8 9.9 8°.71 2°.9/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.76	−23 9.1	1.793	2.699	12.0	20.3
7 20	21 37.61	−23 23.7	1.736	2.700	8.5	20.1
7 30	21 29.54	−23 37.1	1.703	2.701	4.9	19.9
8 9	21 20.41	−23 44.7	1.696	2.703	3.0	19.8
8 19	21 11.26	−23 42.8	1.715	2.706	5.5	20.0
8 29	21 3.16	−23 29.3	1.760	2.708	9.1	20.2
9 8	20 56.99	−23 4.4	1.829	2.712	12.5	20.4
9 18	20 53.26	−22 29.3	1.919	2.715	15.4	20.6

67738 2000 UB_{29} 8 9.9 53°.10 0°.2/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.65	−13 36.1	1.203	2.114	16.3	19.3
7 20	21 38.05	−14 14.1	1.157	2.124	11.5	19.1
7 30	21 29.94	−15 4.1	1.133	2.134	6.1	18.8
8 9	21 20.45	−15 59.0	1.131	2.145	0.5	18.4
8 19	21 10.93	−16 51.3	1.154	2.156	5.2	18.8
8 29	21 2.83	−17 34.3	1.200	2.167	10.4	19.1
9 8	20 57.24	−18 3.9	1.269	2.178	15.0	19.4
9 18	20 54.75	−18 18.9	1.355	2.190	18.7	19.7

100964 1998 QL_{16} 8 9.9 320°.94 4°.4/13.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.03	− 1 36.7	1.524	2.396	15.7	18.9
7 20	21 33.26	− 2 9.0	1.441	2.378	12.2	18.6
7 30	21 27.43	− 3 5.8	1.380	2.361	8.3	18.3
8 9	21 20.25	− 4 24.6	1.342	2.344	4.9	18.1
8 19	21 12.67	− 5 59.8	1.328	2.328	5.3	18.1
8 29	21 5.84	− 7 42.9	1.340	2.312	9.0	18.3
9 8	21 0.79	− 9 24.5	1.376	2.297	13.2	18.5
9 18	20 58.26	−10 56.9	1.433	2.283	17.1	18.7

272439 2005 TJ_{188} 8 9.9 30°.71 1°.2/ 9.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.31	−16 49.4	1.192	2.109	15.9	20.1
7 20	21 37.79	−17 10.0	1.149	2.119	11.2	19.8
7 30	21 29.78	−17 37.7	1.127	2.130	5.9	19.6
8 9	21 20.44	−18 6.1	1.128	2.142	1.2	19.3
8 19	21 11.15	−18 29.3	1.154	2.154	5.5	19.6
8 29	21 3.35	−18 42.7	1.202	2.168	10.5	19.9
9 8	20 58.09	−18 44.2	1.272	2.182	14.9	20.2
9 18	20 55.89	−18 33.5	1.361	2.197	18.6	20.5

228661 2002 GJ_{22} 8 9.9 199°.34 0°.4/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.16	−11 52.7	2.327	3.206	10.7	21.4
7 20	21 36.23	−12 31.7	2.251	3.202	7.7	21.2
7 30	21 28.76	−13 19.3	2.201	3.197	4.2	21.0
8 9	21 20.37	−14 11.7	2.178	3.192	0.6	20.7
8 19	21 11.79	−15 4.7	2.185	3.186	3.3	20.9
8 29	21 3.84	−15 53.9	2.221	3.179	6.9	21.2
9 8	20 57.25	−16 36.2	2.282	3.172	10.1	21.3
9 18	20 52.53	−17 9.4	2.367	3.164	12.9	21.5

169672 2002 JX_{88} 8 9.9 88°.66 0°.4/10.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 44.92	−12 35.5	1.385	2.285	15.3	20.4
7 20	21 38.70	−13 7.6	1.337	2.298	10.8	20.2
7 30	21 30.21	−13 51.1	1.311	2.310	5.9	20.0
8 9	21 20.48	−14 40.2	1.309	2.323	0.7	19.6
8 19	21 10.75	−15 28.5	1.333	2.335	4.6	20.0
8 29	21 2.30	−16 10.0	1.383	2.348	9.5	20.3
9 8	20 56.15	−16 40.9	1.455	2.360	13.7	20.6
9 18	20 52.84	−16 59.5	1.547	2.372	17.2	20.8

374798 2006 TZ_{103} 8 9.9 188°.02 4°.5/13.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.95	− 1 20.0	1.921	2.770	13.9	21.6
7 20	21 36.98	− 1 27.2	1.847	2.769	10.8	21.4
7 30	21 29.23	− 1 52.1	1.796	2.768	7.5	21.2
8 9	21 20.41	− 2 33.1	1.771	2.767	4.9	21.1
8 19	21 11.38	− 3 26.6	1.772	2.765	5.1	21.1
8 29	21 3.11	− 4 27.5	1.801	2.762	8.0	21.2
9 8	20 56.46	− 5 30.0	1.855	2.759	11.3	21.4
9 18	20 51.99	− 6 29.1	1.931	2.755	14.3	21.6

294691 2008 AZ_{134} 8 9.9 281°.63 1°.0/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.16	−10 16.1	2.000	2.885	12.0	21.1
7 20	21 35.13	−10 49.7	1.911	2.863	8.7	20.9
7 30	21 28.32	−11 35.3	1.845	2.841	5.0	20.6
8 9	21 20.34	−12 29.2	1.806	2.818	1.3	20.3
8 19	21 12.00	−13 26.8	1.794	2.796	3.7	20.4
8 29	21 4.25	−14 23.0	1.809	2.773	7.7	20.7
9 8	20 57.96	−15 13.1	1.850	2.750	11.5	20.8
9 18	20 53.78	−15 53.8	1.912	2.727	14.8	21.0

126573 2002 CF_{111} 8 9.9 69°.68 1°.5/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 38.46	− 8 12.4	2.141	3.019	11.6	19.5
7 20	21 33.63	− 8 51.6	2.079	3.026	8.4	19.3
7 30	21 27.36	− 9 42.7	2.041	3.033	4.9	19.1
8 9	21 20.25	−10 41.7	2.029	3.040	1.8	18.9
8 19	21 13.05	−11 44.2	2.045	3.047	3.3	19.0
8 29	21 6.55	−12 45.4	2.089	3.054	6.8	19.2
9 8	21 1.43	−13 40.7	2.159	3.061	10.0	19.4
9 18	20 58.15	−14 27.5	2.251	3.068	12.8	19.7

392075 2009 DQ_{15} 8 9.9 164°.53 1°.0/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.74	−17 9.9	2.269	3.160	10.5	21.8
7 20	21 36.59	−17 38.7	2.205	3.164	7.3	21.7
7 30	21 28.92	−18 11.3	2.168	3.167	3.9	21.4
8 9	21 20.39	−18 43.9	2.158	3.171	1.0	21.2
8 19	21 11.77	−19 12.8	2.176	3.173	3.8	21.4
8 29	21 3.90	−19 34.8	2.223	3.176	7.2	21.7
9 8	20 57.51	−19 48.2	2.295	3.178	10.3	21.9
9 18	20 53.07	−19 52.3	2.389	3.179	12.9	22.1

233375 2006 DH_{190} 8 9.9 318°.29 0°.6/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.42	−11 29.6	1.637	2.533	13.5	20.3
7 20	21 35.46	−12 8.8	1.570	2.528	9.7	20.0
7 30	21 28.52	−13 0.5	1.525	2.523	5.4	19.8
8 9	21 20.36	−13 59.6	1.506	2.519	0.9	19.4
8 19	21 11.98	−15 0.2	1.513	2.515	4.2	19.7
8 29	21 4.48	−15 56.1	1.545	2.511	8.7	19.9
9 8	20 58.81	−16 42.6	1.602	2.507	12.7	20.2
9 18	20 55.59	−17 16.8	1.679	2.503	16.1	20.4

467179 2016 EQ_{111} 8 9.9 115°.06 1°.1/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 44.91	−14 50.7	1.299	2.206	15.5	21.7
7 20	21 38.93	−15 48.8	1.247	2.213	10.9	21.5
7 30	21 30.45	−16 57.7	1.218	2.220	5.8	21.2
8 9	21 20.53	−18 9.5	1.213	2.226	1.1	20.9
8 19	21 10.48	−19 15.7	1.233	2.232	5.5	21.2
8 29	21 1.75	−20 9.2	1.278	2.238	10.6	21.6
9 8	20 55.46	−20 46.2	1.344	2.244	15.0	21.8
9 18	20 52.24	−21 5.8	1.430	2.250	18.6	22.1

446128 2013 EW_{32} 8 9.9 139°.35 1°.4/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.96	−20 3.6	2.571	3.460	9.5	21.3
7 20	21 37.25	−20 15.4	2.512	3.469	6.6	21.1
7 30	21 29.19	−20 27.9	2.480	3.478	3.6	20.9
8 9	21 20.42	−20 38.0	2.476	3.487	1.4	20.8
8 19	21 11.65	−20 43.2	2.501	3.495	3.7	21.0
8 29	21 3.64	−20 41.7	2.555	3.503	6.7	21.2
9 8	20 57.00	−20 32.9	2.636	3.511	9.4	21.4
9 18	20 52.17	−20 16.7	2.739	3.518	11.7	21.5

41629 2000 SA_{177} 8 9.9 171°.21 5°.6/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.10	+ 2 47.1	2.241	3.062	13.1	19.8
7 20	21 36.17	+ 2 56.9	2.168	3.066	10.6	19.7
7 30	21 28.72	+ 2 49.2	2.117	3.069	8.0	19.5
8 9	21 20.39	+ 2 24.7	2.092	3.071	6.0	19.4
8 19	21 11.91	+ 1 45.5	2.094	3.073	5.8	19.4
8 29	21 4.09	+ 0 55.4	2.124	3.074	7.6	19.5
9 8	20 57.66	− 0 0.6	2.179	3.075	10.2	19.7
9 18	20 53.11	− 0 57.5	2.257	3.075	12.7	19.9

171746 2000 XT_{18} 8 9.9 312°.52 3°.2/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 48.46	−22 23.1	1.300	2.213	15.2	18.8
7 20	21 41.59	−22 35.3	1.240	2.207	10.8	18.6
7 30	21 31.95	−22 47.0	1.201	2.202	6.1	18.3
8 9	21 20.67	−22 51.8	1.187	2.196	3.3	18.1
8 19	21 9.22	−22 44.6	1.197	2.191	6.7	18.3
8 29	20 59.22	−22 22.9	1.231	2.186	11.5	18.6
9 8	20 51.91	−21 47.4	1.287	2.181	15.9	18.8
9 18	20 47.95	−21 0.3	1.361	2.177	19.6	19.0

474303 2001 XL_{248} 8 9.9 256°.22 2°.8/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.12	−21 3.1	2.180	3.082	10.4	20.8
7 20	21 34.96	−22 9.7	2.111	3.075	7.3	20.6
7 30	21 28.16	−23 19.3	2.069	3.067	4.2	20.4
8 9	21 20.35	−24 26.0	2.053	3.060	2.8	20.3
8 19	21 12.33	−25 24.4	2.066	3.052	5.2	20.4
8 29	21 4.99	−26 10.3	2.106	3.044	8.5	20.6
9 8	20 59.12	−26 41.4	2.170	3.036	11.5	20.8
9 18	20 55.26	−26 57.5	2.255	3.028	14.1	21.0

281830 2010 AF_{20} 8 9.9 223°.75 2°.2/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.20	− 8 0.8	1.828	2.706	13.2	20.7
7 20	21 36.55	− 8 13.9	1.756	2.702	9.8	20.5
7 30	21 29.05	− 8 40.0	1.707	2.698	5.9	20.3
8 9	21 20.43	− 9 16.2	1.684	2.694	2.5	20.1
8 19	21 11.61	− 9 58.4	1.688	2.689	4.0	20.2
8 29	21 3.59	−10 41.8	1.719	2.684	7.9	20.4
9 8	20 57.25	−11 21.9	1.774	2.679	11.6	20.6
9 18	20 53.18	−11 55.3	1.851	2.674	14.9	20.8

372854 2010 VZ_{159} 8 9.9 284°.83 0°.0/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 42.02	−12 37.7	1.422	2.325	14.8	21.2
7 20	21 36.95	−13 24.0	1.351	2.313	10.6	20.9
7 30	21 29.48	−14 24.2	1.301	2.301	5.7	20.6
8 9	21 20.48	−15 32.3	1.275	2.289	0.5	20.2
8 19	21 11.10	−16 40.7	1.275	2.277	4.9	20.5
8 29	21 2.67	−17 42.0	1.300	2.265	10.0	20.8
9 8	20 56.38	−18 30.6	1.348	2.253	14.6	21.0
9 18	20 52.96	−19 3.9	1.415	2.241	18.5	21.3

18523 1996 VA_{7} 8 9.9 138°.14 2°.1/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.31	− 7 51.8	1.868	2.744	13.1	18.6
7 20	21 36.51	− 8 11.6	1.805	2.750	9.6	18.4
7 30	21 28.97	− 8 44.3	1.766	2.756	5.8	18.2
8 9	21 20.43	− 9 26.6	1.752	2.762	2.4	18.0
8 19	21 11.78	−10 14.0	1.767	2.768	3.9	18.1
8 29	21 3.99	−11 1.6	1.808	2.773	7.6	18.3
9 8	20 57.86	−11 45.1	1.874	2.778	11.2	18.6
9 18	20 53.93	−12 21.4	1.962	2.782	14.3	18.8

440468 2005 SM_{240} 8 9.9 137°.28 5°.5/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.21	+ 3 20.9	2.343	3.164	12.7	21.2
7 20	21 34.09	+ 3 28.0	2.272	3.168	10.3	21.0
7 30	21 27.60	+ 3 18.1	2.223	3.172	7.8	20.9
8 9	21 20.32	+ 2 51.6	2.199	3.176	5.9	20.8
8 19	21 12.91	+ 2 10.8	2.202	3.180	5.7	20.8
8 29	21 6.12	+ 1 19.3	2.232	3.183	7.3	20.9
9 8	21 0.60	+ 0 22.1	2.288	3.187	9.7	21.0
9 18	20 56.79	− 0 36.3	2.367	3.190	12.0	21.2

46114 2001 FX_{29} 8 9.9 35°.23 9°.3/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.73	+ 6 46.7	1.502	2.331	18.1	18.1
7 20	21 35.65	+ 7 33.8	1.450	2.343	15.1	17.9
7 30	21 28.58	+ 7 53.9	1.417	2.356	12.2	17.7
8 9	21 20.40	+ 7 45.7	1.405	2.369	9.9	17.7
8 19	21 12.13	+ 7 11.2	1.416	2.383	9.3	17.7
8 29	21 4.90	+ 6 15.7	1.451	2.398	10.8	17.8
9 8	20 59.62	+ 5 7.5	1.508	2.413	13.3	18.0
9 18	20 56.83	+ 3 54.7	1.585	2.428	16.0	18.2

328231 2008 FP_{46} 8 9.9 61°.56 0°.3/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.95	−13 45.6	1.322	2.228	15.4	20.6
7 20	21 38.03	−14 26.1	1.282	2.247	10.8	20.4
7 30	21 29.85	−15 16.8	1.264	2.265	5.7	20.1
8 9	21 20.50	−16 11.1	1.270	2.284	0.5	19.8
8 19	21 11.24	−17 2.1	1.301	2.303	4.9	20.2
8 29	21 3.34	−17 43.8	1.357	2.322	9.7	20.5
9 8	20 57.78	−18 12.8	1.436	2.341	13.9	20.8
9 18	20 55.06	−18 28.2	1.534	2.360	17.3	21.1

215353 2001 XD_{94} 8 9.9 341°.36 7°.3/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.28	−33 22.5	1.814	2.718	12.0	19.9
7 20	21 37.54	−34 36.4	1.764	2.714	9.4	19.7
7 30	21 29.65	−35 41.8	1.737	2.711	7.6	19.6
8 9	21 20.49	−36 30.8	1.735	2.708	7.6	19.6
8 19	21 11.21	−36 57.9	1.758	2.705	9.4	19.7
8 29	21 3.01	−37 0.7	1.805	2.702	12.1	19.9
9 8	20 56.89	−36 40.6	1.873	2.700	14.7	20.0
9 18	20 53.44	−36 1.0	1.959	2.698	17.0	20.2

379608 2011 CS_{68} 8 9.9 263°.96 0°.1/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.82	−13 33.2	1.629	2.525	13.6	21.5
7 20	21 38.02	−14 0.6	1.551	2.510	9.7	21.2
7 30	21 30.00	−14 38.2	1.495	2.495	5.3	20.9
8 9	21 20.54	−15 21.2	1.465	2.479	0.5	20.5
8 19	21 10.70	−16 4.3	1.462	2.463	4.5	20.8
8 29	21 1.72	−16 42.0	1.484	2.447	9.2	21.0
9 8	20 54.67	−17 10.4	1.530	2.430	13.5	21.2
9 18	20 50.28	−17 27.5	1.597	2.414	17.1	21.4

429098 2009 SN_{21} 8 9.9 309°.90 3°.4/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.51	− 7 50.8	1.373	2.265	15.9	20.2
7 20	21 37.35	− 7 35.5	1.297	2.248	12.0	19.9
7 30	21 29.74	− 7 35.5	1.241	2.232	7.5	19.7
8 9	21 20.52	− 7 48.9	1.208	2.217	3.7	19.4
8 19	21 10.87	− 8 12.5	1.200	2.201	5.3	19.4
8 29	21 2.17	− 8 41.2	1.216	2.186	9.9	19.7
9 8	20 55.62	− 9 9.7	1.255	2.172	14.5	19.9
9 18	20 52.02	− 9 33.4	1.312	2.158	18.5	20.1

132638 2002 LZ_{34} 8 9.9 52°.41 1°.0/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.50	−15 28.6	2.166	3.062	10.7	19.7
7 20	21 33.71	−16 28.3	2.107	3.068	7.4	19.5
7 30	21 27.44	−17 34.5	2.073	3.073	3.9	19.3
8 9	21 20.31	−18 42.2	2.066	3.079	1.0	19.1
8 19	21 13.08	−19 46.1	2.088	3.085	3.9	19.3
8 29	21 6.55	−20 41.7	2.137	3.091	7.4	19.5
9 8	21 1.42	−21 26.0	2.211	3.097	10.5	19.7
9 18	20 58.17	−21 57.5	2.308	3.104	13.2	19.9

36311 2000 KK_{48} 8 9.9 70°.23 4°.0/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 45.44	−20 42.3	1.188	2.107	15.8	17.7
7 20	21 39.41	−22 0.0	1.150	2.121	11.1	17.4
7 30	21 30.72	−23 20.8	1.134	2.135	6.3	17.2
8 9	21 20.59	−24 34.4	1.142	2.149	4.1	17.1
8 19	21 10.50	−25 31.7	1.173	2.163	7.6	17.4
8 29	21 1.99	−26 7.3	1.228	2.178	12.1	17.7
9 8	20 56.20	−26 20.5	1.304	2.192	16.2	18.0
9 18	20 53.66	−26 13.4	1.397	2.206	19.5	18.2

502669 2015 CG_{53} 8 9.9 232°.98 1°.0/ 9.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.84	−15 40.1	1.781	2.678	12.6	21.7
7 20	21 37.87	−16 26.4	1.707	2.668	8.9	21.5
7 30	21 29.85	−17 20.9	1.657	2.657	4.7	21.2
8 9	21 20.53	−18 17.8	1.633	2.646	1.0	20.9
8 19	21 10.92	−19 11.3	1.637	2.635	4.6	21.2
8 29	21 2.13	−19 56.1	1.667	2.623	8.9	21.4
9 8	20 55.15	−20 28.7	1.722	2.611	12.8	21.6
9 18	20 50.65	−20 47.9	1.797	2.598	16.1	21.8

208531 2001 YF_{99} 8 9.9 244°.47 1°.3/10.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 44.42	−10 40.5	1.421	2.316	15.3	20.6
7 20	21 38.58	−11 2.8	1.352	2.309	11.1	20.4
7 30	21 30.34	−11 39.3	1.305	2.302	6.3	20.1
8 9	21 20.58	−12 25.3	1.282	2.294	1.6	19.7
8 19	21 10.50	−13 14.9	1.284	2.287	4.6	19.9
8 29	21 1.47	−14 1.8	1.312	2.279	9.7	20.2
9 8	20 54.63	−14 40.7	1.363	2.271	14.2	20.5
9 18	20 50.70	−15 8.6	1.433	2.263	18.1	20.7

41040 1999 VR 8 9.9 325°.01 1°.1/ 9.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.43	−16 48.5	1.767	2.673	12.2	18.1
7 20	21 34.78	−17 18.2	1.690	2.655	8.6	17.8
7 30	21 28.20	−17 54.3	1.636	2.637	4.6	17.6
8 9	21 20.41	−18 32.3	1.607	2.620	1.1	17.3
8 19	21 12.32	−19 7.1	1.604	2.603	4.6	17.5
8 29	21 5.00	−19 34.3	1.628	2.587	8.8	17.7
9 8	20 59.38	−19 50.7	1.674	2.572	12.7	17.9
9 18	20 56.12	−19 55.3	1.741	2.557	16.0	18.1

324974 2008 AM_{43} 8 9.9 75°.31 0°.4/10.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 44.15	−12 7.7	1.394	2.293	15.2	20.7
7 20	21 38.12	−12 47.6	1.350	2.311	10.8	20.4
7 30	21 29.91	−13 39.2	1.329	2.328	5.8	20.2
8 9	21 20.54	−14 36.5	1.332	2.345	0.7	19.9
8 19	21 11.22	−15 32.6	1.361	2.363	4.5	20.2
8 29	21 3.17	−16 21.3	1.415	2.380	9.3	20.6
9 8	20 57.37	−16 58.6	1.492	2.397	13.4	20.8
9 18	20 54.33	−17 22.7	1.589	2.414	16.8	21.1

513400 2008 KS_{15} 8 9.9 318°.69 3°.9/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.43	−23 52.2	2.125	3.031	10.4	20.8
7 20	21 34.55	−25 19.1	2.064	3.028	7.4	20.6
7 30	21 27.98	−26 47.0	2.030	3.024	4.7	20.4
8 9	21 20.39	−28 9.1	2.023	3.021	4.1	20.4
8 19	21 12.59	−29 19.2	2.043	3.018	6.3	20.5
8 29	21 5.50	−30 12.9	2.090	3.014	9.3	20.7
9 8	20 59.94	−30 48.3	2.160	3.011	12.1	20.9
9 18	20 56.46	−31 5.7	2.251	3.008	14.6	21.1

147482 2004 CS_{40} 8 9.9 209°.09 1°.0/10.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 44.14	−10 53.8	1.860	2.743	12.8	21.4
7 20	21 37.95	−11 21.1	1.786	2.738	9.3	21.2
7 30	21 29.84	−11 59.4	1.736	2.732	5.2	20.9
8 9	21 20.55	−12 44.7	1.713	2.725	1.2	20.6
8 19	21 11.02	−13 32.3	1.717	2.718	3.9	20.8
8 29	21 2.29	−14 17.2	1.748	2.710	8.1	21.0
9 8	20 55.29	−14 55.3	1.805	2.702	11.9	21.3
9 18	20 50.61	−15 24.3	1.883	2.693	15.2	21.5

161554 2004 XO_{121} 8 9.9 329°.37 5°.1/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.54	− 3 36.2	1.653	2.518	15.0	19.6
7 20	21 37.64	− 2 56.4	1.582	2.514	11.7	19.4
7 30	21 29.71	− 2 32.0	1.533	2.510	8.1	19.2
8 9	21 20.54	− 2 22.9	1.509	2.506	5.4	19.0
8 19	21 11.14	− 2 27.7	1.510	2.502	5.9	19.1
8 29	21 2.65	− 2 43.0	1.537	2.499	9.0	19.2
9 8	20 56.01	− 3 4.4	1.588	2.496	12.6	19.4
9 18	20 51.87	− 3 27.2	1.659	2.493	15.9	19.6

482350 2011 WN_{60} 8 9.9 204°.22 0°.6/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.33	−15 27.8	2.506	3.395	9.7	22.6
7 20	21 34.88	−16 3.9	2.434	3.391	6.8	22.4
7 30	21 28.05	−16 45.3	2.388	3.387	3.6	22.2
8 9	21 20.41	−17 28.3	2.370	3.383	0.6	21.9
8 19	21 12.62	−18 9.2	2.380	3.378	3.4	22.2
8 29	21 5.43	−18 44.7	2.419	3.373	6.6	22.4
9 8	20 59.48	−19 12.3	2.484	3.368	9.6	22.5
9 18	20 55.26	−19 30.9	2.572	3.363	12.1	22.7

423792 2006 HN_3 8 9.9 166°.11 5°.9/ 6.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 46.96	−26 13.1	1.392	2.306	14.3	20.4
7 20	21 40.48	−27 29.2	1.342	2.307	10.4	20.2
7 30	21 31.37	−28 42.8	1.315	2.308	6.9	20.0
8 9	21 20.69	−29 44.0	1.312	2.309	6.1	20.0
8 19	21 9.88	−30 25.0	1.334	2.310	8.8	20.1
8 29	21 0.44	−30 41.7	1.380	2.311	12.6	20.4
9 8	20 53.58	−30 34.7	1.446	2.311	16.2	20.6
9 18	20 49.94	−30 7.4	1.530	2.311	19.4	20.8

14606 Hifleischer 8 9.9 346°.42 1°.7/11.1 18

7 10	21 38.66	− 8 39.6	1.221	2.126	16.5	17.8
7 20	21 34.72	− 9 22.3	1.159	2.120	12.1	17.5
7 30	21 28.34	−10 25.2	1.117	2.115	7.0	17.2
8 9	21 20.45	−11 42.4	1.098	2.110	2.1	16.9
8 19	21 12.26	−13 5.6	1.102	2.106	4.8	17.0
8 29	21 5.16	−14 25.4	1.131	2.103	10.1	17.3
9 8	21 0.34	−15 33.9	1.180	2.101	14.9	17.6
9 18	20 58.50	−16 26.5	1.249	2.100	19.0	17.9

396299 2014 DK_{21} 8 9.9 170°.36 2°.9/12.6 16

7 10	21 40.46	− 4 6.4	2.302	3.158	11.7	21.8
7 20	21 35.02	− 4 31.5	2.231	3.161	8.8	21.6
7 30	21 28.14	− 5 10.2	2.183	3.164	5.7	21.5
8 9	21 20.43	− 6 0.1	2.162	3.166	3.2	21.3
8 19	21 12.58	− 6 57.3	2.170	3.168	3.7	21.3
8 29	21 5.37	− 7 57.6	2.206	3.169	6.6	21.5
9 8	20 59.47	− 8 56.2	2.268	3.170	9.6	21.7
9 18	20 55.36	− 9 49.5	2.354	3.170	12.3	21.9

521746 2015 RN_{273} 8 9.9 117°.21 4°.1/13.6 18

7 10	21 39.32	− 1 26.2	2.204	3.052	12.4	21.5
7 20	21 34.25	− 1 30.2	2.134	3.055	9.7	21.3
7 30	21 27.74	− 1 49.4	2.087	3.058	6.7	21.1
8 9	21 20.40	− 2 22.3	2.066	3.060	4.4	21.0
8 19	21 12.92	− 3 6.0	2.071	3.063	4.6	21.0
8 29	21 6.10	− 3 56.4	2.105	3.066	7.0	21.2
9 8	21 0.62	− 4 48.9	2.164	3.069	9.8	21.4
9 18	20 56.96	− 5 39.2	2.246	3.071	12.5	21.5

42882 1999 RZ_{145} 8 9.9 29°.23 4°.0/12.5 18

7 10	21 40.76	− 4 43.4	1.193	2.085	17.8	18.4
7 20	21 36.09	− 4 59.9	1.140	2.090	13.4	18.2
7 30	21 29.00	− 5 39.5	1.107	2.097	8.6	17.9
8 9	21 20.51	− 6 38.0	1.097	2.104	4.5	17.7
8 19	21 11.88	− 7 48.6	1.109	2.111	5.5	17.8
8 29	21 4.49	− 9 2.4	1.146	2.119	9.9	18.1
9 8	20 59.46	−10 11.2	1.204	2.128	14.4	18.4
9 18	20 57.40	−11 9.1	1.281	2.137	18.3	18.6

119881 2002 CA_{239} 8 9.9 118°.01 2°.9/12.7 18

7 10	21 38.57	− 4 6.0	2.290	3.149	11.6	19.9
7 20	21 33.69	− 4 31.0	2.222	3.153	8.8	19.7
7 30	21 27.42	− 5 9.7	2.177	3.158	5.7	19.5
8 9	21 20.37	− 5 59.5	2.159	3.162	3.2	19.4
8 19	21 13.20	− 6 56.6	2.168	3.166	3.7	19.4
8 29	21 6.67	− 7 56.7	2.206	3.171	6.5	19.6
9 8	21 1.41	− 8 55.3	2.270	3.175	9.5	19.8
9 18	20 57.89	− 9 48.5	2.357	3.179	12.1	20.0

199501 2006 DG_{104} 8 9.9 308°.09 1°.5/10.9 18

7 10	21 41.19	−10 13.7	1.596	2.488	14.0	20.2
7 20	21 36.12	−10 31.2	1.523	2.479	10.2	19.9
7 30	21 28.96	−11 1.6	1.473	2.469	5.9	19.7
8 9	21 20.51	−11 41.3	1.448	2.460	1.8	19.4
8 19	21 11.78	−12 25.4	1.448	2.451	4.2	19.5
8 29	21 3.92	−13 8.4	1.474	2.442	8.7	19.8
9 8	20 57.94	−13 45.4	1.524	2.434	12.9	20.0
9 18	20 54.49	−14 13.4	1.594	2.425	16.5	20.2

509027 2005 QF_{18} 8 9.9 319°.52 0°.3/10.1 18

7 10	21 40.10	−12 44.0	1.270	2.181	15.6	20.8
7 20	21 35.86	−13 12.7	1.195	2.161	11.2	20.5
7 30	21 29.05	−13 55.7	1.141	2.142	6.2	20.1
8 9	21 20.54	−14 47.9	1.109	2.123	0.7	19.7
8 19	21 11.52	−15 42.2	1.101	2.104	5.1	20.0
8 29	21 3.49	−16 31.1	1.117	2.087	10.6	20.2
9 8	20 57.72	−17 9.0	1.154	2.070	15.6	20.4
9 18	20 55.07	−17 32.5	1.209	2.054	19.9	20.7

73207 2002 JJ_{19} 8 9.9 330°.03 0°.4/ 9.7 18

7 10	21 38.89	−12 49.1	1.125	2.044	16.5	18.8
7 20	21 35.15	−13 42.5	1.060	2.030	11.8	18.5
7 30	21 28.71	−14 53.3	1.015	2.017	6.4	18.1
8 9	21 20.51	−16 14.0	0.991	2.005	0.6	17.7
8 19	21 11.86	−17 34.9	0.991	1.994	5.6	18.0
8 29	21 4.36	−18 46.0	1.014	1.984	11.4	18.3
9 8	20 59.34	−19 40.4	1.057	1.974	16.6	18.6
9 18	20 57.62	−20 14.7	1.117	1.966	20.9	18.8

362267 2009 PO_5 8 9.9 354°.04 5°.4/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 38.73	+ 0 21.9	1.958	2.804	13.8	20.2
7 20	21 34.01	+ 0 37.7	1.886	2.802	11.0	20.0
7 30	21 27.69	+ 0 36.0	1.836	2.800	8.1	19.8
8 9	21 20.40	+ 0 17.3	1.811	2.798	5.8	19.7
8 19	21 12.95	− 0 16.2	1.811	2.797	5.8	19.7
8 29	21 6.19	− 1 0.3	1.837	2.797	8.0	19.8
9 8	21 0.91	− 1 49.9	1.888	2.796	10.9	20.0
9 18	20 57.62	− 2 39.9	1.961	2.796	13.7	20.2

355517 2008 AC_{26} 8 9.9 66°.34 1°.4/ 8.8 16

7 10	21 41.63	−17 38.4	1.936	2.836	11.6	21.2
7 20	21 35.95	−18 18.2	1.890	2.853	8.1	21.0
7 30	21 28.64	−19 2.0	1.869	2.870	4.2	20.8
8 9	21 20.48	−19 44.8	1.874	2.887	1.4	20.7
8 19	21 12.34	−20 22.1	1.907	2.904	4.3	20.9
8 29	21 5.13	−20 50.4	1.967	2.921	7.9	21.2
9 8	20 59.59	−21 7.6	2.051	2.938	11.2	21.4
9 18	20 56.19	−21 13.4	2.156	2.955	13.9	21.6

514744 2007 DX_1 8 9.9 211°.63 3°.5/13.9 18

7 10	21 38.26	− 0 5.5	2.768	3.600	10.6	21.7
7 20	21 33.35	− 0 36.4	2.682	3.593	8.3	21.5
7 30	21 27.23	− 1 21.7	2.620	3.587	5.8	21.3
8 9	21 20.38	− 2 19.6	2.586	3.579	3.8	21.2
8 19	21 13.37	− 3 27.1	2.580	3.572	3.8	21.2
8 29	21 6.81	− 4 39.9	2.604	3.564	5.9	21.3
9 8	21 1.28	− 5 53.7	2.655	3.555	8.4	21.5
9 18	20 57.23	− 7 4.4	2.731	3.547	10.8	21.6

80935 2000 DZ_{79} 8 9.9 55°.39 1°.7/ 8.8 18

7 10	21 43.48	−16 46.1	1.320	2.232	15.0	18.9
7 20	21 37.82	−17 38.2	1.278	2.246	10.5	18.7
7 30	21 29.84	−18 37.5	1.258	2.260	5.5	18.4
8 9	21 20.61	−19 36.5	1.262	2.275	1.7	18.2
8 19	21 11.40	−20 27.7	1.291	2.289	5.6	18.5
8 29	21 3.55	−21 5.7	1.345	2.305	10.3	18.8
9 8	20 58.06	−21 27.7	1.421	2.320	14.4	19.1
9 18	20 55.45	−21 34.0	1.515	2.335	17.8	19.4

34376 2000 RO_{54} 8 9.9 302°.65 0°.7/10.4 18

7 10	21 42.52	−13 27.7	1.998	2.887	11.8	17.7
7 20	21 36.72	−13 23.9	1.921	2.877	8.5	17.5
7 30	21 29.16	−13 26.5	1.869	2.867	4.7	17.2
8 9	21 20.56	−13 33.0	1.844	2.857	0.9	17.0
8 19	21 11.76	−13 40.5	1.845	2.847	3.6	17.1
8 29	21 3.72	−13 46.3	1.874	2.837	7.6	17.4
9 8	20 57.26	−13 48.0	1.928	2.828	11.1	17.6
9 18	20 52.95	−13 44.3	2.004	2.819	14.2	17.8

445827 2012 CV_9 8 9.9 196°.98 0°.9/10.9 18

7 10	21 38.31	− 9 47.6	2.405	3.283	10.5	21.1
7 20	21 33.50	−10 28.5	2.334	3.282	7.5	20.9
7 30	21 27.35	−11 19.1	2.287	3.282	4.3	20.7
8 9	21 20.41	−12 16.0	2.268	3.281	1.2	20.4
8 19	21 13.32	−13 15.2	2.278	3.280	3.0	20.6
8 29	21 6.82	−14 12.3	2.316	3.279	6.3	20.8
9 8	21 1.54	−15 3.6	2.380	3.278	9.4	21.0
9 18	20 57.95	−15 46.5	2.468	3.276	12.0	21.2

513449 2008 WN_{130} 8 9.9 263°.83 0°.9/ 9.2 18

7 10	21 42.66	−15 25.1	2.121	3.012	11.1	22.4
7 20	21 36.94	−16 14.4	2.028	2.986	7.9	22.2
7 30	21 29.39	−17 11.8	1.961	2.960	4.2	21.9
8 9	21 20.60	−18 12.7	1.921	2.934	0.9	21.6
8 19	21 11.39	−19 11.6	1.909	2.906	4.2	21.8
8 29	21 2.73	−20 3.5	1.925	2.878	8.1	22.0
9 8	20 55.53	−20 44.7	1.966	2.850	11.7	22.2
9 18	20 50.44	−21 13.5	2.030	2.820	14.9	22.3

344662 2003 SF_{73} 8 9.9 311°.76 1°.3/10.8 18

7 10	21 40.25	−10 38.7	1.525	2.422	14.3	20.6
7 20	21 35.67	−10 58.1	1.441	2.400	10.4	20.4
7 30	21 28.86	−11 31.3	1.380	2.377	6.0	20.1
8 9	21 20.56	−12 14.7	1.343	2.355	1.6	19.7
8 19	21 11.80	−13 2.9	1.331	2.334	4.4	19.8
8 29	21 3.82	−13 50.1	1.344	2.312	9.3	20.1
9 8	20 57.75	−14 30.8	1.379	2.292	13.8	20.3
9 18	20 54.35	−15 1.3	1.435	2.272	17.7	20.5

404886 2014 KJ_{72} 8 9.9 90°.16 1°.5/ 8.6 18

7 10	21 39.57	−16 55.7	2.122	3.020	10.8	21.1
7 20	21 34.56	−17 56.3	2.060	3.022	7.5	20.9
7 30	21 27.98	−19 2.5	2.023	3.024	4.0	20.7
8 9	21 20.47	−20 9.2	2.014	3.026	1.5	20.5
8 19	21 12.83	−21 10.8	2.033	3.028	4.3	20.7
8 29	21 5.91	−22 3.0	2.079	3.029	7.8	20.9
9 8	21 0.44	−22 42.7	2.150	3.031	11.0	21.2
9 18	20 56.95	−23 9.0	2.242	3.033	13.6	21.3

94164 2001 AC_{21} 8 9.9 120°.90 2°.6/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 39.70	−20 37.2	2.255	3.157	10.1	19.3
7 20	21 34.61	−21 48.4	2.197	3.160	7.1	19.1
7 30	21 27.99	−23 2.2	2.164	3.163	4.0	18.9
8 9	21 20.47	−24 13.0	2.160	3.166	2.7	18.9
8 19	21 12.83	−25 15.5	2.183	3.169	5.0	19.0
8 29	21 5.87	−26 5.5	2.234	3.172	8.1	19.2
9 8	21 0.34	−26 41.1	2.309	3.175	10.9	19.4
9 18	20 56.71	−27 1.8	2.406	3.177	13.4	19.6

415049 2011 YA_{79} 8 9.9 247°.24 3°.7/ 7.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 46.97	−21 55.5	1.454	2.364	14.1	21.3
7 20	21 40.53	−22 45.6	1.388	2.354	10.1	21.0
7 30	21 31.47	−23 38.3	1.345	2.344	5.8	20.8
8 9	21 20.79	−24 25.6	1.326	2.333	3.7	20.6
8 19	21 9.79	−25 0.4	1.333	2.322	6.9	20.8
8 29	20 59.93	−25 17.9	1.364	2.311	11.3	21.0
9 8	20 52.46	−25 16.9	1.418	2.300	15.5	21.2
9 18	20 48.11	−24 58.9	1.490	2.288	19.0	21.4

17872 1998 SP_{22} 8 9.9 73°.38 3°.0/ 8.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 44.66	−22 14.9	1.767	2.671	12.3	17.0
7 20	21 38.31	−22 46.5	1.715	2.678	8.6	16.8
7 30	21 30.02	−23 18.1	1.686	2.685	4.9	16.6
8 9	21 20.66	−23 44.3	1.684	2.692	3.0	16.5
8 19	21 11.29	−24 0.7	1.709	2.699	5.6	16.7
8 29	21 3.00	−24 4.4	1.760	2.706	9.3	16.9
9 8	20 56.66	−23 55.0	1.834	2.713	12.7	17.1
9 18	20 52.81	−23 33.6	1.928	2.720	15.5	17.4

237162 2008 US_{125} 8 9.9 291°.79 6°.4/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 45.83	−29 49.3	1.678	2.584	12.7	20.1
7 20	21 39.68	−30 49.2	1.604	2.562	9.6	19.9
7 30	21 31.03	−31 44.5	1.554	2.540	7.0	19.7
8 9	21 20.77	−32 26.8	1.529	2.517	6.6	19.6
8 19	21 10.11	−32 49.3	1.529	2.495	8.9	19.7
8 29	21 0.46	−32 48.6	1.554	2.473	12.3	19.9
9 8	20 53.01	−32 25.0	1.600	2.450	15.7	20.0
9 18	20 48.52	−31 41.8	1.664	2.428	18.7	20.2

369501 2010 VX_{33} 8 9.9 274°.48 1°.8/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.97	−10 0.4	1.487	2.378	14.9	21.2
7 20	21 38.33	−10 11.2	1.407	2.362	11.0	20.9
7 30	21 30.31	−10 35.8	1.350	2.346	6.4	20.6
8 9	21 20.71	−11 10.9	1.317	2.329	2.1	20.3
8 19	21 10.68	−11 51.5	1.310	2.313	4.6	20.4
8 29	21 1.53	−12 31.9	1.328	2.296	9.5	20.6
9 8	20 54.45	−13 7.0	1.369	2.279	14.1	20.9
9 18	20 50.20	−13 33.2	1.430	2.262	18.0	21.1

238649 2005 ET_{42} 8 9.9 321°.39 0°.6/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.50	−11 9.8	1.785	2.676	12.9	20.4
7 20	21 35.43	−11 53.6	1.719	2.675	9.2	20.1
7 30	21 28.53	−12 49.2	1.677	2.675	5.1	19.9
8 9	21 20.55	−13 51.7	1.661	2.674	0.9	19.6
8 19	21 12.38	−14 55.5	1.671	2.673	3.9	19.8
8 29	21 5.03	−15 54.7	1.709	2.673	8.1	20.1
9 8	20 59.38	−16 44.7	1.771	2.672	11.9	20.3
9 18	20 55.98	−17 22.9	1.854	2.672	15.1	20.5

493756 2015 TP_{298} 8 9.9 336°.01 21°.9/22.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.66	+19 27.9	0.916	1.721	28.6	20.6
7 20	21 36.22	+21 59.4	0.862	1.711	26.6	20.4
7 30	21 29.57	+23 46.5	0.820	1.702	24.5	20.3
8 9	21 20.67	+24 36.9	0.790	1.694	22.9	20.1
8 19	21 11.03	+24 23.1	0.774	1.688	22.0	20.0
8 29	21 2.60	+23 6.5	0.772	1.682	22.2	20.0
9 8	20 57.13	+20 59.5	0.784	1.677	23.5	20.1
9 18	20 55.66	+18 19.9	0.810	1.674	25.5	20.2

482410 2012 BY_{73} 8 9.9 225°.90 1°.4/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 41.04	−10 9.8	2.519	3.392	10.2	21.8
7 20	21 35.39	−10 13.3	2.440	3.385	7.5	21.6
7 30	21 28.37	−10 24.5	2.387	3.378	4.4	21.4
8 9	21 20.54	−10 41.2	2.360	3.371	1.6	21.2
8 19	21 12.55	−11 1.0	2.363	3.364	3.1	21.3
8 29	21 5.15	−11 21.2	2.394	3.356	6.2	21.5
9 8	20 58.96	−11 39.2	2.452	3.348	9.2	21.7
9 18	20 54.47	−11 53.1	2.533	3.340	11.8	21.9

293473 2007 EA_{220} 8 9.9 358°.28 4°.1/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.06	− 2 32.3	1.820	2.687	13.8	19.7
7 20	21 32.95	− 2 43.9	1.751	2.684	10.7	19.5
7 30	21 27.19	− 3 13.2	1.704	2.683	7.3	19.3
8 9	21 20.44	− 3 58.2	1.682	2.682	4.5	19.2
8 19	21 13.51	− 4 54.9	1.685	2.681	4.7	19.2
8 29	21 7.33	− 5 57.9	1.714	2.682	7.7	19.4
9 8	21 2.67	− 7 1.3	1.768	2.683	11.1	19.6
9 18	21 0.09	− 7 59.8	1.843	2.684	14.2	19.8

243392 2008 YW_{109} 8 9.9 105°.97 2°.3/ 8.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 45.09	−17 26.0	1.269	2.182	15.5	20.2
7 20	21 39.22	−18 28.0	1.217	2.186	10.9	19.9
7 30	21 30.75	−19 38.2	1.188	2.190	5.8	19.6
8 9	21 20.75	−20 47.7	1.182	2.193	2.3	19.4
8 19	21 10.60	−21 48.0	1.201	2.197	6.3	19.7
8 29	21 1.80	−22 32.4	1.244	2.201	11.2	20.0
9 8	20 55.52	−22 58.2	1.309	2.205	15.6	20.3
9 18	20 52.40	−23 5.5	1.392	2.208	19.2	20.5

467706 2008 YH_{54} 8 9.9 186°.52 1°.4/ 9.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 47.78	−17 26.1	1.514	2.415	14.2	21.4
7 20	21 40.85	−17 54.3	1.453	2.415	10.0	21.2
7 30	21 31.54	−18 28.0	1.414	2.415	5.3	20.9
8 9	21 20.83	−19 1.5	1.401	2.414	1.4	20.6
8 19	21 9.95	−19 29.1	1.415	2.413	5.2	20.9
8 29	21 0.25	−19 46.6	1.454	2.411	9.9	21.2
9 8	20 52.82	−19 52.0	1.516	2.409	14.0	21.4
9 18	20 48.30	−19 45.2	1.598	2.406	17.5	21.6

436199 2009 WC_{171} 8 9.9 177°.09 5°.0/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 46.81	−29 34.2	2.280	3.173	10.4	22.2
7 20	21 39.65	−30 33.5	2.225	3.176	7.7	22.0
7 30	21 30.71	−31 27.7	2.195	3.178	5.6	21.9
8 9	21 20.75	−32 10.9	2.193	3.179	5.2	21.8
8 19	21 10.70	−32 38.6	2.219	3.179	6.9	22.0
8 29	21 1.53	−32 48.7	2.272	3.179	9.5	22.1
9 8	20 54.09	−32 41.5	2.348	3.178	12.0	22.3
9 18	20 48.90	−32 19.2	2.445	3.176	14.2	22.5

383280 2006 DF_{153} 8 9.9 171°.42 0°.0/ 9.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.00	−13 11.2	1.773	2.668	12.8	21.7
7 20	21 36.50	−13 50.6	1.710	2.668	9.1	21.5
7 30	21 29.13	−14 39.6	1.670	2.669	4.9	21.3
8 9	21 20.64	−15 33.1	1.656	2.669	0.4	20.9
8 19	21 11.99	−16 25.9	1.669	2.670	4.1	21.2
8 29	21 4.22	−17 12.5	1.708	2.670	8.3	21.5
9 8	20 58.21	−17 49.4	1.772	2.670	12.1	21.7
9 18	20 54.52	−18 14.6	1.857	2.670	15.2	21.9

613 Ginevra 8 9.9 262°.89 2°.5/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.34	−21 53.5	2.068	2.968	10.9	14.3
7 20	21 37.30	−22 21.0	2.001	2.963	7.7	14.1
7 30	21 29.49	−22 49.0	1.959	2.957	4.4	13.9
8 9	21 20.67	−23 12.9	1.944	2.952	2.5	13.7
8 19	21 11.72	−23 28.9	1.956	2.946	5.0	13.9
8 29	21 3.59	−23 34.2	1.995	2.941	8.4	14.1
9 8	20 57.11	−23 27.8	2.059	2.935	11.6	14.3
9 18	20 52.81	−23 10.4	2.144	2.930	14.4	14.5

300778 2007 VT_{279} 8 9.9 349°.19 3°.1/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.13	−20 39.4	1.325	2.246	14.3	20.1
7 20	21 35.73	−21 18.8	1.266	2.237	10.1	19.8
7 30	21 28.91	−22 2.0	1.228	2.230	5.7	19.5
8 9	21 20.63	−22 41.7	1.214	2.224	3.1	19.4
8 19	21 12.13	−23 11.4	1.224	2.218	6.5	19.6
8 29	21 4.80	−23 26.0	1.257	2.214	11.0	19.8
9 8	20 59.76	−23 24.0	1.311	2.211	15.3	20.1
9 18	20 57.66	−23 5.8	1.384	2.210	18.8	20.3

372380 2009 PQ_{11} 8 9.9 318°.58 2°.6/ 8.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 45.32	−20 43.4	1.260	2.176	15.3	19.6
7 20	21 39.67	−20 53.7	1.188	2.158	10.9	19.3
7 30	21 31.18	−21 6.2	1.138	2.140	6.1	19.0
8 9	21 20.85	−21 14.5	1.111	2.123	2.6	18.7
8 19	21 10.11	−21 13.3	1.109	2.106	6.4	18.9
8 29	21 0.59	−20 58.8	1.129	2.090	11.6	19.2
9 8	20 53.66	−20 30.5	1.171	2.075	16.4	19.4
9 18	20 50.10	−19 49.6	1.230	2.061	20.5	19.6

12362 Mumuryk 8 9.9 322°.96 6°.0/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 37.43	+ 4 6.9	2.106	2.932	13.7	17.7
7 20	21 33.10	+ 4 3.2	2.026	2.925	11.2	17.6
7 30	21 27.26	+ 3 39.2	1.968	2.918	8.6	17.4
8 9	21 20.49	+ 2 55.6	1.934	2.912	6.4	17.2
8 19	21 13.52	+ 1 55.1	1.925	2.905	6.1	17.2
8 29	21 7.15	+ 0 42.3	1.943	2.899	7.8	17.3
9 8	21 2.10	− 0 36.5	1.986	2.894	10.5	17.5
9 18	20 58.91	− 1 55.3	2.053	2.888	13.2	17.6

104327 2000 FA_{7} 8 9.9 216°.29 1°.0/10.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 41.30	−10 52.6	2.016	2.899	11.9	20.7
7 20	21 35.85	−11 15.2	1.945	2.897	8.6	20.4
7 30	21 28.73	−11 47.6	1.899	2.895	4.9	20.2
8 9	21 20.63	−12 26.5	1.880	2.892	1.3	20.0
8 19	21 12.36	−13 7.7	1.888	2.890	3.5	20.1
8 29	21 4.83	−13 47.0	1.923	2.887	7.3	20.4
9 8	20 58.82	−14 20.7	1.983	2.884	10.8	20.6
9 18	20 54.88	−14 46.6	2.066	2.881	13.8	20.8

258863 2002 PB_{163} 8 9.9 317°.19 1°.9/ 8.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 40.38	−15 52.2	1.254	2.171	15.3	20.5
7 20	21 36.13	−16 58.3	1.186	2.156	10.8	20.2
7 30	21 29.27	−18 17.3	1.139	2.142	5.8	19.9
8 9	21 20.70	−19 41.0	1.115	2.128	1.9	19.6
8 19	21 11.68	−20 59.6	1.116	2.115	6.2	19.8
8 29	21 3.71	−22 4.2	1.140	2.102	11.4	20.1
9 8	20 58.10	−22 49.6	1.185	2.090	16.2	20.3
9 18	20 55.64	−23 13.9	1.248	2.078	20.2	20.6

164654 1996 GM_{16} 8 9.9 3°.61 2°.0/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.87	−18 2.1	1.631	2.539	12.9	19.3
7 20	21 35.87	−18 55.0	1.572	2.539	9.0	19.1
7 30	21 28.85	−19 53.8	1.538	2.539	4.8	18.9
8 9	21 20.64	−20 52.0	1.528	2.539	2.0	18.7
8 19	21 12.29	−21 43.4	1.545	2.540	5.3	18.9
8 29	21 4.90	−22 22.6	1.587	2.541	9.4	19.2
9 8	20 59.41	−22 47.2	1.652	2.543	13.2	19.4
9 18	20 56.42	−22 56.5	1.737	2.545	16.3	19.6

168827 2000 SY_{308} 8 9.9 59°.86 1°.0/10.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 47.50	−13 17.9	1.248	2.151	16.4	19.2
7 20	21 40.78	−13 8.7	1.198	2.160	11.7	19.0
7 30	21 31.52	−13 9.3	1.170	2.169	6.5	18.7
8 9	21 20.88	−13 15.9	1.166	2.179	1.3	18.4
8 19	21 10.25	−13 24.2	1.187	2.189	4.9	18.7
8 29	21 1.10	−13 30.2	1.231	2.199	10.0	19.0
9 8	20 54.52	−13 31.0	1.298	2.210	14.6	19.3
9 18	20 51.09	−13 24.9	1.384	2.220	18.3	19.6

386914 2011 JY_2 8 9.9 348°.50 13°.8/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 33.78	−37 25.2	1.014	1.947	16.5	18.5
7 20	21 32.27	−40 26.8	0.973	1.930	14.4	18.3
7 30	21 27.51	−43 14.1	0.953	1.915	13.9	18.2
8 9	21 20.55	−45 28.2	0.953	1.902	15.3	18.2
8 19	21 13.08	−46 55.6	0.972	1.891	18.0	18.4
8 29	21 7.17	−47 30.8	1.007	1.883	21.0	18.5
9 8	21 4.45	−47 17.4	1.056	1.877	24.0	18.7
9 18	21 5.73	−46 22.6	1.116	1.873	26.4	18.9

365927 2011 YU_{40} 8 9.9 168°.52 3°.7/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.42	−24 39.0	2.572	3.471	9.1	20.6
7 20	21 35.09	−26 16.2	2.514	3.473	6.5	20.4
7 30	21 28.29	−27 53.6	2.484	3.475	4.3	20.3
8 9	21 20.60	−29 24.8	2.483	3.476	3.9	20.2
8 19	21 12.72	−30 44.4	2.511	3.478	5.8	20.4
8 29	21 5.41	−31 48.4	2.567	3.479	8.3	20.5
9 8	20 59.39	−32 35.1	2.648	3.480	10.7	20.7
9 18	20 55.16	−33 4.8	2.750	3.481	12.8	20.9

478324 2011 WW_{96} 8 9.9 96°.04 5°.3/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.86	+ 3 15.5	2.485	3.300	12.2	20.9
7 20	21 35.15	+ 3 30.2	2.428	3.320	9.8	20.8
7 30	21 28.21	+ 3 29.0	2.394	3.340	7.5	20.7
8 9	21 20.59	+ 3 12.7	2.386	3.360	5.7	20.6
8 19	21 12.96	+ 2 43.2	2.405	3.380	5.5	20.6
8 29	21 5.99	+ 2 3.8	2.451	3.399	6.9	20.7
9 8	21 0.27	+ 1 18.7	2.524	3.418	9.1	20.9
9 18	20 56.21	+ 0 32.0	2.620	3.436	11.2	21.1

43589 2001 QW 8 9.9 281°.26 0°.9/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.40	−11 49.8	1.600	2.494	13.9	19.3
7 20	21 37.86	−12 6.9	1.518	2.474	10.1	19.0
7 30	21 30.07	−12 35.5	1.457	2.455	5.7	18.7
8 9	21 20.78	−13 12.0	1.422	2.435	1.2	18.4
8 19	21 11.05	−13 51.3	1.413	2.415	4.4	18.6
8 29	21 2.13	−14 28.1	1.430	2.396	9.2	18.8
9 8	20 55.12	−14 58.0	1.470	2.376	13.6	19.0
9 18	20 50.79	−15 18.3	1.530	2.356	17.4	19.2

389207 2009 DD_{22} 8 9.9 69°.79 0°.7/10.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.65	−11 8.7	1.829	2.719	12.7	20.9
7 20	21 35.46	−11 47.2	1.770	2.725	9.0	20.7
7 30	21 28.54	−12 36.6	1.735	2.732	5.0	20.5
8 9	21 20.63	−13 32.2	1.726	2.739	0.9	20.2
8 19	21 12.61	−14 28.9	1.743	2.746	3.7	20.4
8 29	21 5.45	−15 21.3	1.788	2.752	7.8	20.7
9 8	20 59.95	−16 5.4	1.857	2.759	11.4	21.0
9 18	20 56.63	−16 38.8	1.948	2.766	14.5	21.2

254529 2005 EB_{124} 8 9.9 192°.63 0°.5/ 9.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 44.83	−14 12.0	1.640	2.536	13.6	21.0
7 20	21 38.68	−14 54.4	1.575	2.535	9.6	20.7
7 30	21 30.38	−15 46.2	1.533	2.533	5.1	20.5
8 9	21 20.80	−16 41.8	1.518	2.531	0.6	20.1
8 19	21 11.00	−17 35.0	1.529	2.529	4.5	20.4
8 29	21 2.18	−18 20.4	1.567	2.526	9.1	20.7
9 8	20 55.34	−18 54.1	1.628	2.523	13.1	20.9
9 18	20 51.11	−19 14.8	1.710	2.519	16.5	21.2

90686 1981 EF_{19} 8 9.9 251°.78 0°.2/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 44.01	−14 32.9	2.037	2.925	11.6	20.0
7 20	21 37.91	−14 56.7	1.951	2.907	8.3	19.7
7 30	21 29.93	−15 27.5	1.890	2.889	4.5	19.5
8 9	21 20.77	−16 1.6	1.856	2.870	0.4	19.1
8 19	21 11.27	−16 34.8	1.850	2.850	3.9	19.4
8 29	21 2.43	−17 3.2	1.872	2.830	7.9	19.6
9 8	20 55.17	−17 23.7	1.919	2.809	11.6	19.8
9 18	20 50.11	−17 35.0	1.987	2.788	14.8	19.9

339308 2004 XP_{91} 8 9.9 243°.59 0°.0/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.94	−13 53.8	1.992	2.881	11.8	21.6
7 20	21 37.12	−14 21.0	1.913	2.870	8.4	21.4
7 30	21 29.49	−14 56.0	1.859	2.858	4.6	21.1
8 9	21 20.73	−15 35.0	1.832	2.845	0.4	20.8
8 19	21 11.70	−16 13.5	1.832	2.833	3.8	21.0
8 29	21 3.38	−16 47.3	1.860	2.820	7.9	21.3
9 8	20 56.66	−17 13.2	1.913	2.806	11.5	21.5
9 18	20 52.12	−17 29.6	1.987	2.793	14.6	21.6

60359 2000 AJ_{100} 8 9.9 329°.89 1°.8/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.41	−17 20.1	1.755	2.663	12.1	17.7
7 20	21 34.13	−18 14.2	1.682	2.649	8.5	17.4
7 30	21 27.96	−19 15.7	1.633	2.635	4.6	17.2
8 9	21 20.59	−20 18.6	1.610	2.621	1.8	16.9
8 19	21 12.95	−21 16.6	1.612	2.609	5.0	17.1
8 29	21 6.06	−22 4.3	1.641	2.597	9.1	17.4
9 8	21 0.87	−22 38.1	1.693	2.585	12.8	17.6
9 18	20 58.01	−22 56.7	1.765	2.574	16.1	17.8

443472 2014 JM_3 8 9.9 106°.76 1°.9/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.68	− 7 29.7	2.124	2.997	11.8	21.2
7 20	21 34.60	− 7 57.9	2.059	3.002	8.7	21.0
7 30	21 28.03	− 8 38.2	2.017	3.007	5.2	20.8
8 9	21 20.59	− 9 27.3	2.003	3.012	2.2	20.7
8 19	21 13.05	−10 21.2	2.016	3.017	3.4	20.8
8 29	21 6.20	−11 15.1	2.056	3.022	6.8	21.0
9 8	21 0.76	−12 5.0	2.123	3.026	10.1	21.2
9 18	20 57.21	−12 47.6	2.212	3.031	12.9	21.4

21445 Pegconnolly 8 9.9 305°.75 5°.1/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 41.15	− 3 55.5	1.271	2.157	17.4	17.6
7 20	21 36.70	− 3 46.4	1.190	2.134	13.5	17.3
7 30	21 29.63	− 3 59.1	1.127	2.112	9.1	17.0
8 9	21 20.77	− 4 32.9	1.087	2.090	5.5	16.7
8 19	21 11.28	− 5 24.1	1.070	2.069	6.2	16.7
8 29	21 2.65	− 6 26.0	1.076	2.048	10.6	16.9
9 8	20 56.24	− 7 30.2	1.104	2.027	15.5	17.1
9 18	20 52.95	− 8 29.3	1.150	2.007	19.9	17.3

363540 2003 UZ_{330} 8 9.9 120°.73 5°.2/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.11	+ 4 23.2	2.678	3.485	11.6	20.9
7 20	21 33.93	+ 4 27.7	2.612	3.498	9.4	20.7
7 30	21 27.57	+ 4 16.5	2.568	3.510	7.3	20.6
8 9	21 20.56	+ 3 50.3	2.551	3.522	5.6	20.5
8 19	21 13.48	+ 3 11.2	2.560	3.533	5.3	20.5
8 29	21 6.96	+ 2 22.3	2.597	3.544	6.6	20.6
9 8	21 1.56	+ 1 27.9	2.661	3.555	8.6	20.8
9 18	20 57.68	+ 0 32.1	2.748	3.566	10.7	20.9

91199 Johngray 8 9.9 102°.56 9°.2/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 48.54	−45 51.3	2.419	3.276	11.2	18.5
7 20	21 41.03	−46 53.9	2.386	3.282	9.8	18.4
7 30	21 31.50	−47 40.1	2.377	3.288	9.2	18.4
8 9	21 20.91	−48 4.2	2.391	3.293	9.4	18.4
8 19	21 10.38	−48 3.2	2.430	3.299	10.5	18.5
8 29	21 1.07	−47 37.2	2.491	3.305	12.0	18.6
9 8	20 53.86	−46 49.3	2.572	3.311	13.5	18.7
9 18	20 49.26	−45 43.9	2.672	3.316	14.9	18.9

343304 2010 AC_{106} 8 9.9 162°.26 4°.5/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 41.42	− 0 40.4	2.103	2.946	13.1	21.6
7 20	21 35.85	− 0 42.8	2.032	2.950	10.3	21.4
7 30	21 28.73	− 1 1.6	1.985	2.953	7.2	21.3
8 9	21 20.68	− 1 35.5	1.963	2.956	4.9	21.1
8 19	21 12.49	− 2 21.4	1.968	2.958	4.9	21.1
8 29	21 5.00	− 3 15.0	2.001	2.961	7.4	21.3
9 8	20 58.96	− 4 11.1	2.059	2.963	10.3	21.5
9 18	20 54.86	− 5 5.1	2.140	2.964	13.1	21.7

300692 2007 VD_{53} 8 9.9 21°.75 1°.9/ 8.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.93	−17 53.0	1.675	2.582	12.7	20.4
7 20	21 35.86	−18 46.4	1.619	2.585	8.9	20.2
7 30	21 28.85	−19 45.5	1.586	2.588	4.7	20.0
8 9	21 20.70	−20 44.0	1.579	2.591	2.0	19.8
8 19	21 12.43	−21 35.8	1.599	2.594	5.1	20.0
8 29	21 5.12	−22 15.8	1.644	2.598	9.2	20.3
9 8	20 59.67	−22 41.4	1.712	2.603	12.8	20.5
9 18	20 56.64	−22 52.1	1.801	2.607	15.9	20.7

81249 2000 FV_{34} 8 9.9 309°.54 0°.9/10.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 39.98	−10 45.2	1.785	2.676	12.9	19.0
7 20	21 35.16	−11 19.8	1.712	2.668	9.3	18.7
7 30	21 28.49	−12 6.5	1.663	2.660	5.2	18.5
8 9	21 20.68	−13 1.1	1.640	2.653	1.2	18.2
8 19	21 12.64	−13 58.3	1.643	2.646	3.8	18.3
8 29	21 5.37	−14 52.6	1.673	2.639	8.1	18.6
9 8	20 59.75	−15 39.2	1.727	2.632	11.9	18.8
9 18	20 56.39	−16 15.2	1.802	2.625	15.2	19.0

446253 2013 HM_{70} 8 9.9 24°.30 5°.5/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.21	+ 2 30.1	2.139	2.971	13.3	21.0
7 20	21 33.59	+ 2 33.1	2.069	2.973	10.7	20.8
7 30	21 27.52	+ 2 17.9	2.021	2.976	8.0	20.7
8 9	21 20.60	+ 1 45.2	1.998	2.980	5.9	20.5
8 19	21 13.54	+ 0 57.8	2.001	2.983	5.7	20.5
8 29	21 7.13	− 0 0.1	2.030	2.987	7.5	20.7
9 8	21 2.07	− 1 3.0	2.085	2.991	10.1	20.8
9 18	20 58.83	− 2 5.9	2.162	2.995	12.7	21.0

294762 2008 CA_{26} 8 9.9 230°.09 1°.5/ 8.8 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 41.85	−18 0.2	2.038	2.936	11.2	21.0
7 20	21 36.27	−18 37.2	1.972	2.934	7.8	20.8
7 30	21 29.00	−19 18.5	1.931	2.932	4.2	20.5
8 9	21 20.73	−19 59.3	1.917	2.929	1.5	20.3
8 19	21 12.32	−20 35.2	1.931	2.927	4.3	20.5
8 29	21 4.68	−21 2.5	1.971	2.924	8.0	20.8
9 8	20 58.62	−21 19.0	2.036	2.921	11.3	21.0
9 18	20 54.68	−21 24.1	2.123	2.919	14.2	21.2

91151 1998 QJ_{39} 8 9.9 268°.99 0°.6/10.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.45	−10 3.5	2.428	3.307	10.4	19.1
7 20	21 33.76	−11 0.3	2.341	3.291	7.5	18.9
7 30	21 27.64	−12 8.1	2.279	3.274	4.2	18.6
8 9	21 20.62	−13 23.2	2.244	3.257	0.8	18.4
8 19	21 13.33	−14 40.6	2.239	3.241	3.1	18.5
8 29	21 6.52	−15 55.5	2.263	3.224	6.6	18.7
9 8	21 0.88	−17 3.2	2.313	3.207	9.8	18.9
9 18	20 56.94	−18 0.8	2.386	3.189	12.6	19.1

50531 2000 EZ_{11} 8 9.9 20°.04 5°.0/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.90	−24 24.7	1.477	2.395	13.3	17.9
7 20	21 36.09	−25 45.4	1.432	2.400	9.5	17.7
7 30	21 29.05	−27 5.6	1.410	2.406	6.1	17.5
8 9	21 20.75	−28 16.3	1.413	2.413	5.2	17.5
8 19	21 12.35	−29 10.0	1.440	2.420	7.8	17.7
8 29	21 5.12	−29 42.4	1.491	2.427	11.4	17.9
9 8	21 0.06	−29 52.6	1.564	2.436	14.9	18.1
9 18	20 57.73	−29 42.5	1.655	2.445	17.8	18.4

488375 2016 WH_{37} 8 9.9 183°.23 6°.2/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 39.90	+ 7 9.0	2.726	3.514	11.9	21.5
7 20	21 34.56	+ 7 31.2	2.647	3.514	10.0	21.4
7 30	21 27.97	+ 7 37.1	2.591	3.514	8.0	21.3
8 9	21 20.65	+ 7 26.4	2.560	3.514	6.6	21.2
8 19	21 13.19	+ 7 0.2	2.555	3.513	6.3	21.1
8 29	21 6.22	+ 6 21.1	2.577	3.512	7.3	21.2
9 8	21 0.35	+ 5 33.0	2.626	3.510	9.1	21.3
9 18	20 56.01	+ 4 40.3	2.698	3.509	11.1	21.5

26741 2001 HZ_{35} 8 9.9 205°.91 4°.4/ 7.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 47.21	−24 41.6	1.600	2.506	13.2	18.6
7 20	21 40.49	−25 29.7	1.542	2.505	9.5	18.4
7 30	21 31.42	−26 16.3	1.507	2.502	5.9	18.1
8 9	21 20.97	−26 54.2	1.497	2.500	4.5	18.1
8 19	21 10.38	−27 17.5	1.514	2.497	7.1	18.2
8 29	21 0.96	−27 22.7	1.556	2.494	10.9	18.4
9 8	20 53.80	−27 10.1	1.620	2.491	14.5	18.6
9 18	20 49.51	−26 41.7	1.704	2.488	17.6	18.9

304329 2006 SD_{211} 8 9.9 349°.28 7°.3/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 41.48	−30 32.2	1.551	2.466	13.0	19.4
7 20	21 36.63	−31 58.2	1.500	2.460	9.9	19.2
7 30	21 29.42	−33 18.2	1.473	2.456	7.6	19.0
8 9	21 20.81	−34 22.9	1.469	2.451	7.6	19.0
8 19	21 12.00	−35 5.0	1.490	2.448	9.8	19.1
8 29	21 4.33	−35 21.1	1.533	2.445	12.8	19.3
9 8	20 58.89	−35 11.7	1.597	2.443	15.9	19.5
9 18	20 56.31	−34 40.1	1.678	2.442	18.6	19.7

33626 Jasonsmith 8 9.9 122°.90 2°.5/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 44.12	−19 33.8	1.828	2.729	12.1	19.1
7 20	21 37.96	−20 37.6	1.778	2.741	8.4	18.9
7 30	21 29.93	−21 44.8	1.752	2.752	4.6	18.7
8 9	21 20.85	−22 48.6	1.754	2.763	2.6	18.6
8 19	21 11.71	−23 43.2	1.783	2.773	5.3	18.8
8 29	21 3.55	−24 24.0	1.838	2.784	9.0	19.1
9 8	20 57.24	−24 49.3	1.918	2.793	12.4	19.3
9 18	20 53.30	−24 59.4	2.018	2.803	15.2	19.5

22622 Strong 8 9.9 17°.67 5°.7/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 10	21 41.59	− 4 55.0	1.027	1.927	19.3	17.1
7 20	21 36.95	− 4 14.7	0.981	1.933	14.8	16.8
7 30	21 29.65	− 3 56.7	0.953	1.940	10.0	16.6
8 9	21 20.83	− 4 0.1	0.946	1.949	6.2	16.4
8 19	21 11.93	− 4 21.4	0.960	1.959	6.8	16.5
8 29	21 4.50	− 4 54.0	0.996	1.970	11.0	16.7
9 8	20 59.70	− 5 30.2	1.052	1.982	15.4	17.0
9 18	20 58.14	− 6 3.7	1.126	1.995	19.4	17.3

6850 1981 QT_3 8 9.9 59°.60 2°.1/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 42.18	−20 34.4	2.097	2.997	10.8	17.0
7 20	21 36.39	−21 2.0	2.043	3.005	7.6	16.8
7 30	21 29.01	−21 30.9	2.014	3.014	4.2	16.6
8 9	21 20.76	−21 56.7	2.012	3.022	2.1	16.5
8 19	21 12.50	−22 15.9	2.038	3.031	4.5	16.6
8 29	21 5.09	−22 25.6	2.090	3.039	7.9	16.9
9 8	20 59.28	−22 25.0	2.168	3.048	10.9	17.1
9 18	20 55.52	−22 14.1	2.266	3.057	13.5	17.3

423224 2004 RV_{210} 8 9.9 36°.20 8°.5/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.26	+ 4 28.6	1.583	2.416	17.2	20.1
7 20	21 37.57	+ 5 21.8	1.520	2.419	14.2	19.9
7 30	21 29.83	+ 5 51.9	1.477	2.423	11.2	19.8
8 9	21 20.85	+ 5 57.2	1.456	2.426	8.9	19.6
8 19	21 11.67	+ 5 38.7	1.459	2.430	8.7	19.6
8 29	21 3.44	+ 5 0.6	1.486	2.434	10.5	19.8
9 8	20 57.11	+ 4 9.6	1.536	2.439	13.3	19.9
9 18	20 53.33	+ 3 13.0	1.607	2.443	16.2	20.1

329261 1998 SW_{123} 8 9.9 329°.60 2°.1/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 36.30	− 9 55.6	1.026	1.946	17.6	19.6
7 20	21 33.73	−10 7.7	0.945	1.914	13.1	19.3
7 30	21 28.28	−10 40.3	0.883	1.883	7.8	18.9
8 9	21 20.76	−11 30.2	0.841	1.853	2.5	18.4
8 19	21 12.44	−12 30.8	0.820	1.825	5.6	18.5
8 29	21 5.05	−13 32.9	0.820	1.798	11.8	18.8
9 8	21 0.20	−14 27.5	0.838	1.774	17.7	19.0
9 18	20 58.96	−15 7.9	0.873	1.751	22.8	19.2

46704 1997 EL_5 8 9.9 341°.07 1°.7/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 36.33	−10 33.5	0.996	1.919	17.8	17.7
7 20	21 33.60	−10 49.6	0.931	1.901	13.0	17.4
7 30	21 28.09	−11 25.1	0.884	1.885	7.5	17.1
8 9	21 20.73	−12 15.4	0.858	1.871	2.0	16.7
8 19	21 12.89	−13 12.9	0.853	1.858	5.4	16.8
8 29	21 6.24	−14 8.6	0.869	1.847	11.4	17.1
9 8	21 2.18	−14 54.4	0.904	1.838	16.9	17.4
9 18	21 1.56	−15 25.3	0.955	1.830	21.5	17.7

67100 2000 AL_{76} 8 9.9 205°.44 2°.3/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 38.96	− 4 53.9	3.070	3.919	9.3	19.6
7 20	21 33.81	− 5 6.6	2.986	3.913	7.0	19.5
7 30	21 27.57	− 5 28.8	2.928	3.907	4.6	19.3
8 9	21 20.67	− 5 59.1	2.898	3.900	2.6	19.1
8 19	21 13.63	− 6 35.1	2.897	3.893	3.0	19.2
8 29	21 7.03	− 7 14.0	2.925	3.886	5.3	19.3
9 8	21 1.37	− 7 53.1	2.981	3.878	7.7	19.5
9 18	20 57.06	− 8 29.6	3.061	3.869	9.9	19.6

519306 2011 DN_{53} 8 9.9 61°.74 0°.3/ 9.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 43.01	−14 6.0	1.542	2.443	13.9	21.2
7 20	21 37.43	−14 41.1	1.486	2.448	9.9	20.9
7 30	21 29.75	−15 25.6	1.453	2.454	5.3	20.7
8 9	21 20.87	−16 13.9	1.445	2.459	0.5	20.4
8 19	21 11.88	−17 0.1	1.464	2.465	4.5	20.7
8 29	21 3.97	−17 38.9	1.508	2.471	9.0	21.0
9 8	20 58.07	−18 6.8	1.575	2.477	13.1	21.2
9 18	20 54.78	−18 22.4	1.662	2.483	16.4	21.5

36986 2000 SP_{351} 8 9.9 257°.72 3°.7/ 6.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 40.90	−23 57.2	2.278	3.180	10.0	18.8
7 20	21 35.67	−25 14.3	2.206	3.167	7.2	18.6
7 30	21 28.75	−26 32.7	2.161	3.154	4.5	18.5
8 9	21 20.78	−27 46.2	2.143	3.141	3.8	18.4
8 19	21 12.54	−28 49.0	2.153	3.128	5.9	18.5
8 29	21 4.92	−29 37.0	2.190	3.115	8.9	18.7
9 8	20 58.73	−30 8.3	2.251	3.101	11.7	18.8
9 18	20 54.54	−30 22.9	2.332	3.087	14.2	19.0

123172 2000 TA_{59} 8 9.9 287°.64 1°.7/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 10	21 41.02	−15 57.1	1.637	2.542	13.0	19.9
7 20	21 36.17	−17 8.8	1.563	2.528	9.2	19.6
7 30	21 29.19	−18 30.9	1.513	2.514	4.9	19.3
8 9	21 20.83	−19 56.3	1.488	2.501	1.7	19.1
8 19	21 12.09	−21 17.2	1.490	2.487	5.3	19.3
8 29	21 4.16	−22 26.2	1.518	2.473	9.7	19.5
9 8	20 58.08	−23 18.9	1.570	2.460	13.8	19.7
9 18	20 54.57	−23 53.3	1.641	2.446	17.2	19.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
99180 2001 FJ_{176}			8 9.9 78°.07	4°.2/ 5.9 18		
	h m	° ′			°	m
7 10	21 41.11	−26 56.9	2.290	3.192	9.9	19.2
7 20	21 35.68	−27 57.7	2.238	3.196	7.2	19.0
7 30	21 28.67	−28 55.8	2.211	3.200	4.9	18.9
8 9	21 20.77	−29 45.7	2.211	3.204	4.4	18.8
8 19	21 12.78	−30 23.1	2.238	3.208	6.2	19.0
8 29	21 5.56	−30 45.1	2.292	3.212	8.8	19.1
9 8	20 59.85	−30 51.3	2.370	3.216	11.4	19.3
9 18	20 56.13	−30 42.7	2.468	3.220	13.6	19.5
119907 2002 EJ_{12}			8 9.9 119°.36	1°.3/11.1 17		
7 10	21 43.10	− 9 34.9	1.982	2.859	12.4	20.1
7 20	21 37.06	−10 3.2	1.926	2.874	8.9	19.9
7 30	21 29.40	−10 42.3	1.894	2.888	5.1	19.7
8 9	21 20.84	−11 28.3	1.889	2.901	1.6	19.5
8 19	21 12.23	−12 16.7	1.912	2.914	3.5	19.7
8 29	21 4.49	−13 3.0	1.963	2.927	7.2	19.9
9 8	20 58.36	−13 43.4	2.040	2.939	10.6	20.2
9 18	20 54.32	−14 15.6	2.138	2.951	13.5	20.4
72280 2001 BJ_{2}			8 9.9 36°.47	8°.5/15.4 18		
7 10	21 42.44	+ 4 16.6	1.519	2.356	17.5	18.5
7 20	21 36.98	+ 5 9.4	1.464	2.366	14.4	18.3
7 30	21 29.50	+ 5 38.0	1.429	2.377	11.3	18.2
8 9	21 20.85	+ 5 41.2	1.416	2.388	9.0	18.1
8 19	21 12.10	+ 5 20.4	1.426	2.399	8.6	18.1
8 29	21 4.38	+ 4 40.3	1.461	2.411	10.4	18.2
9 8	20 58.61	+ 3 48.2	1.518	2.424	13.2	18.4
9 18	20 55.38	+ 2 51.2	1.595	2.436	16.0	18.6
349370 2007 VW_{274}			8 9.9 248°.72	1°.8/ 8.4 18		
7 10	21 41.48	−18 7.5	2.132	3.030	10.8	21.2
7 20	21 36.09	−19 4.6	2.056	3.018	7.6	21.0
7 30	21 28.99	−20 7.1	2.005	3.005	4.1	20.8
8 9	21 20.82	−21 9.7	1.981	2.992	1.8	20.6
8 19	21 12.37	−22 7.1	1.986	2.979	4.6	20.8
8 29	21 4.58	−22 54.5	2.018	2.966	8.2	21.0
9 8	20 58.26	−23 29.1	2.074	2.952	11.5	21.1
9 18	20 54.00	−23 50.1	2.153	2.938	14.3	21.3
69225 5043 T_{-3}			8 9.9 15°.76	5°.5/15.4 18		
7 10	21 37.09	+ 3 22.1	1.917	2.753	14.5	18.9
7 20	21 32.97	+ 2 52.8	1.848	2.756	11.6	18.7
7 30	21 27.27	+ 2 0.9	1.800	2.759	8.6	18.6
8 9	21 20.66	+ 0 48.5	1.776	2.762	6.1	18.4
8 19	21 13.88	− 0 40.1	1.778	2.766	5.7	18.4
8 29	21 7.82	− 2 18.0	1.807	2.771	7.8	18.6
9 8	21 3.20	− 3 57.8	1.862	2.776	10.7	18.7
9 18	21 0.55	− 5 32.8	1.940	2.781	13.6	18.9
393010 2012 XM_{140}			8 9.9 285°.21	3°.0/12.2 18		
7 10	21 41.12	− 6 3.0	1.837	2.710	13.4	21.3
7 20	21 35.90	− 6 12.3	1.766	2.707	10.1	21.0
7 30	21 28.89	− 6 36.1	1.717	2.704	6.4	20.8
8 9	21 20.81	− 7 11.9	1.695	2.701	3.3	20.6
8 19	21 12.53	− 7 55.8	1.698	2.698	4.2	20.7
8 29	21 5.02	− 8 43.1	1.729	2.695	7.8	20.9
9 8	20 59.14	− 9 28.8	1.784	2.693	11.4	21.1
9 18	20 55.46	−10 9.0	1.860	2.690	14.6	21.3
337277 2000 UE_{92}			8 9.9 274°.94	8°.5/15.8 18		
7 10	21 41.73	+ 7 2.1	1.844	2.654	15.9	20.8
7 20	21 36.51	+ 7 39.1	1.755	2.637	13.5	20.6
7 30	21 29.33	+ 7 53.6	1.686	2.619	10.9	20.4
8 9	21 20.87	+ 7 43.8	1.640	2.601	9.0	20.3
8 19	21 11.97	+ 7 9.9	1.619	2.583	8.6	20.2
8 29	21 3.69	+ 6 15.4	1.622	2.565	10.2	20.2
9 8	20 56.98	+ 5 6.8	1.649	2.546	12.8	20.4
9 18	20 52.56	+ 3 51.5	1.697	2.528	15.7	20.5
443681 2015 KS_{14}			8 10.0 55°.66	0°.0/10.0 16		
7 10	21 40.79	−11 53.9	1.598	2.495	13.7	20.9
7 20	21 35.73	−12 54.2	1.551	2.511	9.7	20.7
7 30	21 28.78	−14 6.1	1.527	2.526	5.2	20.5
8 9	21 20.80	−15 23.1	1.528	2.542	0.5	20.1
8 19	21 12.78	−16 38.1	1.557	2.558	4.2	20.5
8 29	21 5.79	−17 44.6	1.611	2.575	8.5	20.8
9 8	21 0.66	−18 38.2	1.689	2.591	12.3	21.0
9 18	20 57.93	−19 17.0	1.788	2.608	15.5	21.3
357550 2004 SW_{43}			8 10.0 21°.61	7°.0/16.7 18		
7 10	21 37.08	+ 6 36.6	1.857	2.678	15.5	20.0
7 20	21 32.99	+ 6 25.8	1.792	2.683	12.8	19.9
7 30	21 27.29	+ 5 50.3	1.746	2.689	10.0	19.7
8 9	21 20.67	+ 4 51.1	1.724	2.696	7.7	19.6
8 19	21 13.91	+ 3 31.8	1.726	2.703	7.0	19.6
8 29	21 7.89	+ 1 58.7	1.754	2.711	8.5	19.7
9 8	21 3.38	+ 0 19.6	1.808	2.719	11.1	19.8
9 18	21 0.87	− 1 18.0	1.883	2.727	13.8	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
393175 2013 CK_{66}			8 10.0 29°.85	1°.5/11.3 18		
	h m	° ′			°	m
7 10	21 38.55	− 8 3.9	1.899	2.781	12.6	20.4
7 20	21 34.01	− 8 50.8	1.836	2.785	9.2	20.2
7 30	21 27.84	− 9 51.5	1.797	2.790	5.4	19.9
8 9	21 20.72	−11 1.5	1.783	2.795	1.8	19.7
8 19	21 13.47	−12 15.3	1.797	2.800	3.5	19.8
8 29	21 6.97	−13 26.9	1.838	2.805	7.4	20.1
9 8	21 1.99	−14 31.1	1.904	2.811	10.9	20.3
9 18	20 59.06	−15 24.6	1.993	2.816	13.9	20.5
402398 2005 YX_{114}			8 10.0 349°.61	2°.9/ 7.3 18		
7 10	21 39.77	−21 35.7	2.122	3.027	10.5	20.3
7 20	21 34.84	−22 36.5	2.061	3.025	7.4	20.1
7 30	21 28.28	−23 39.2	2.026	3.024	4.3	19.9
8 9	21 20.78	−24 38.3	2.017	3.023	3.0	19.8
8 19	21 13.12	−25 28.6	2.036	3.022	5.3	20.0
8 29	21 6.20	−26 6.3	2.081	3.021	8.4	20.2
9 8	21 0.78	−26 29.4	2.150	3.020	11.4	20.4
9 18	20 57.37	−26 38.0	2.241	3.020	14.0	20.6
447358 2005 YR_{260}			8 10.0 328°.45	6°.6/12.7 17		
7 10	21 42.68	− 2 28.4	1.606	2.470	15.5	20.1
7 20	21 37.44	− 1 17.0	1.515	2.442	12.4	19.9
7 30	21 29.96	− 0 18.8	1.445	2.416	9.2	19.6
8 9	21 20.96	+ 0 23.9	1.399	2.389	6.8	19.4
8 19	21 11.41	+ 0 50.2	1.378	2.364	7.3	19.4
8 29	21 2.53	+ 1 1.1	1.382	2.340	10.2	19.5
9 8	20 55.46	+ 1 0.1	1.409	2.317	13.9	19.7
9 18	20 50.99	+ 0 51.9	1.455	2.295	17.4	19.8
311955 2007 DT_{28}			8 10.0 13°.81	1°.3/11.2 18		
7 10	21 38.36	− 8 54.1	2.094	2.975	11.7	20.4
7 20	21 33.78	− 9 35.0	2.026	2.976	8.5	20.2
7 30	21 27.70	−10 27.8	1.983	2.977	4.9	20.0
8 9	21 20.73	−11 28.5	1.966	2.978	1.5	19.7
8 19	21 13.61	−12 32.4	1.977	2.980	3.3	19.9
8 29	21 7.17	−13 34.5	2.016	2.981	6.9	20.1
9 8	21 2.11	−14 30.4	2.080	2.983	10.3	20.3
9 18	20 58.93	−15 16.9	2.166	2.985	13.1	20.5
94123 2000 YN_{108}			8 10.0 246°.14	0°.2/ 9.9 18		
7 10	21 44.03	−14 37.3	2.101	2.988	11.4	20.3
7 20	21 37.92	−15 0.8	2.017	2.972	8.1	20.1
7 30	21 30.01	−15 31.1	1.957	2.955	4.4	19.8
8 9	21 20.95	−16 4.4	1.924	2.938	0.4	19.4
8 19	21 11.59	−16 36.7	1.920	2.920	3.8	19.7
8 29	21 2.89	−17 4.2	1.944	2.902	7.7	19.9
9 8	20 55.70	−17 24.1	1.992	2.883	11.3	20.1
9 18	20 50.65	−17 35.0	2.063	2.863	14.4	20.3
474604 2004 RR_{236}			8 10.0 332°.53	3°.0/11.8 18		
7 10	21 38.62	− 7 49.4	1.242	2.145	16.5	21.0
7 20	21 34.89	− 7 53.6	1.169	2.127	12.4	20.7
7 30	21 28.68	− 8 16.3	1.115	2.110	7.7	20.4
8 9	21 20.84	− 8 54.9	1.083	2.093	3.4	20.1
8 19	21 12.55	− 9 44.1	1.075	2.078	5.1	20.2
8 29	21 5.23	−10 36.9	1.090	2.064	10.1	20.4
9 8	21 0.11	−11 26.1	1.125	2.052	15.0	20.7
9 18	20 57.99	−12 6.1	1.180	2.040	19.3	20.9
513704 2012 CB_{43}			8 10.0 219°.63	2°.4/ 7.6 18		
7 10	21 40.13	−20 55.1	2.482	3.380	9.4	21.5
7 20	21 34.93	−21 52.4	2.414	3.375	6.6	21.4
7 30	21 28.29	−22 51.9	2.373	3.371	3.8	21.2
8 9	21 20.79	−23 48.9	2.359	3.366	2.4	21.1
8 19	21 13.12	−24 38.9	2.374	3.361	4.5	21.2
8 29	21 6.06	−25 18.4	2.416	3.355	7.5	21.4
9 8	21 0.28	−25 45.5	2.484	3.350	10.2	21.6
9 18	20 56.27	−25 59.9	2.574	3.344	12.6	21.7
117391 2004 YD_{31}			8 10.0 279°.16	0°.7/ 9.4 18		
7 10	21 40.75	−13 49.6	1.764	2.662	12.6	19.8
7 20	21 35.85	−14 51.7	1.689	2.650	9.0	19.6
7 30	21 28.98	−16 5.0	1.637	2.638	4.8	19.3
8 9	21 20.86	−17 23.6	1.612	2.626	0.7	19.0
8 19	21 12.41	−18 40.6	1.614	2.613	4.4	19.2
8 29	21 4.71	−19 49.3	1.642	2.601	8.8	19.5
9 8	20 58.70	−20 45.0	1.694	2.589	12.7	19.7
9 18	20 55.06	−21 25.3	1.767	2.576	16.1	19.9
330518 2007 SH_{5}			8 10.0 337°.83	8°.2/ 5.5 18		
7 10	21 40.63	−27 39.9	0.929	1.867	17.1	19.2
7 20	21 37.12	−28 57.4	0.875	1.850	12.8	18.9
7 30	21 30.17	−30 12.3	0.839	1.835	9.1	18.7
8 9	21 20.99	−31 11.0	0.824	1.821	8.5	18.6
8 19	21 11.35	−31 42.0	0.828	1.809	11.7	18.7
8 29	21 3.34	−31 39.3	0.852	1.798	16.4	18.9
9 8	20 58.58	−31 4.2	0.892	1.789	20.9	19.1
9 18	20 57.87	−30 2.0	0.946	1.782	24.8	19.4