2020	α_{2000}	δ_{2000}	Δ	r	β	V
187013 2004 TO_{282}			9 16.9	15°.80	1°.8/15.3	18
	h m	° ′			°	m
8 9	23 59.65	− 4 19.0	1.674	2.523	15.5	19.7
8 19	23 56.93	− 4 55.0	1.609	2.528	12.0	19.5
8 29	23 52.02	− 5 42.3	1.564	2.534	8.0	19.3
9 8	23 45.50	− 6 35.6	1.543	2.541	3.8	19.0
9 18	23 38.20	− 7 28.3	1.547	2.549	2.2	18.9
9 28	23 31.12	− 8 13.5	1.578	2.558	6.1	19.2
10 8	23 25.21	− 8 45.7	1.635	2.567	10.1	19.5
10 18	23 21.17	− 9 1.8	1.714	2.577	13.6	19.7
232175 2002 EA_{55}			9 16.9	64°.19	0°.7/16.5	18
8 9	0 7.78	− 3 6.8	1.660	2.491	16.4	19.9
8 19	0 3.28	− 3 10.1	1.591	2.499	12.9	19.7
8 29	23 56.34	− 3 24.1	1.543	2.508	8.7	19.4
9 8	23 47.60	− 3 45.0	1.519	2.516	4.1	19.2
9 18	23 37.98	− 4 8.0	1.521	2.525	1.0	19.0
9 28	23 28.63	− 4 27.8	1.550	2.534	5.5	19.3
10 8	23 20.64	− 4 39.6	1.605	2.542	9.8	19.6
10 18	23 14.77	− 4 40.3	1.684	2.551	13.6	19.8
476724 2008 UH_{16}			9 16.9	325°.61	4°.5/21.4	16
8 9	23 55.67	+12 55.0	1.449	2.250	19.8	21.2
8 19	23 54.50	+12 37.3	1.357	2.235	16.7	20.9
8 29	23 50.84	+11 49.0	1.282	2.219	12.8	20.6
9 8	23 45.14	+10 29.8	1.227	2.205	8.5	20.3
9 18	23 38.24	+ 8 43.5	1.196	2.191	4.9	20.1
9 28	23 31.29	+ 6 39.1	1.190	2.178	5.8	20.1
10 8	23 25.51	+ 4 29.9	1.208	2.166	10.1	20.3
10 18	23 21.87	+ 2 29.0	1.250	2.155	14.6	20.6
467382 2004 TA_{161}			9 16.9	334°.13	3°.8/14.9	17
8 9	0 2.12	− 8 19.6	0.972	1.859	21.0	20.2
8 19	0 0.75	− 8 28.1	0.900	1.841	16.7	19.9
8 29	23 55.77	− 8 47.3	0.845	1.824	11.5	19.5
9 8	23 47.76	− 9 10.2	0.808	1.808	6.0	19.2
9 18	23 37.94	− 9 27.8	0.792	1.793	4.3	19.0
9 28	23 28.12	− 9 30.9	0.798	1.780	9.5	19.3
10 8	23 20.19	− 9 13.3	0.823	1.769	15.4	19.6
10 18	23 15.46	− 8 33.0	0.867	1.759	20.6	19.8
272014 2005 ED_{12}			9 16.9	164°.03	2°.0/15.3	17
8 9	0 6.90	− 4 9.5	1.612	2.449	16.6	21.1
8 19	0 2.77	− 4 51.2	1.539	2.452	12.9	20.8
8 29	23 56.11	− 5 45.5	1.487	2.455	8.7	20.6
9 8	23 47.54	− 6 46.8	1.459	2.457	4.2	20.3
9 18	23 37.99	− 7 47.7	1.457	2.459	2.5	20.2
9 28	23 28.65	− 8 40.3	1.483	2.461	6.6	20.5
10 8	23 20.64	− 9 18.3	1.534	2.462	11.0	20.8
10 18	23 14.80	− 9 38.3	1.608	2.463	14.8	21.0
25172 1998 SF_{67}			9 16.9	47°.16	3°.2/14.2	18
8 9	0 3.47	− 7 13.6	1.569	2.421	16.2	18.6
8 19	23 59.97	− 8 1.4	1.513	2.435	12.5	18.4
8 29	23 54.09	− 8 58.4	1.478	2.449	8.4	18.2
9 8	23 46.50	− 9 57.7	1.466	2.463	4.4	18.0
9 18	23 38.13	−10 51.8	1.481	2.478	3.7	18.0
9 28	23 30.12	−11 33.4	1.522	2.494	7.2	18.2
10 8	23 23.47	−11 57.8	1.587	2.509	11.1	18.5
10 18	23 18.90	−12 3.2	1.675	2.525	14.5	18.7
315892 2008 KU_{42}			9 16.9	42°.90	1°.2/15.6	18
8 9	23 58.93	− 1 41.6	2.108	2.936	13.5	20.6
8 19	23 55.94	− 2 37.7	2.032	2.940	10.5	20.4
8 29	23 51.16	− 3 46.1	1.979	2.945	7.0	20.2
9 8	23 45.06	− 5 2.2	1.951	2.949	3.3	20.0
9 18	23 38.29	− 6 19.7	1.951	2.954	1.6	19.9
9 28	23 31.66	− 7 32.1	1.980	2.959	5.1	20.2
10 8	23 25.92	− 8 33.3	2.035	2.963	8.6	20.4
10 18	23 21.69	− 9 19.4	2.116	2.968	11.8	20.6
136263 2003 YR_{68}			9 16.9	212°.30	5°.5/10.7	18
8 9	0 1.71	−13 51.8	1.961	2.815	13.4	19.9
8 19	23 58.34	−15 18.4	1.893	2.813	10.5	19.7
8 29	23 52.91	−16 49.7	1.848	2.812	7.5	19.5
9 8	23 45.95	−18 17.7	1.828	2.811	5.6	19.4
9 18	23 38.19	−19 34.1	1.836	2.810	6.2	19.4
9 28	23 30.58	−20 32.0	1.870	2.808	8.8	19.6
10 8	23 24.01	−21 7.2	1.929	2.807	11.8	19.8
10 18	23 19.18	−21 18.8	2.010	2.805	14.5	20.0
514386 2016 RJ_{45}			9 16.9	187°.48	7°.4/ 8.2	18
8 9	0 4.15	−20 42.8	2.062	2.912	12.9	21.2
8 19	0 0.20	−22 18.2	2.000	2.911	10.5	21.0
8 29	23 54.14	−23 52.4	1.962	2.911	8.3	20.9
9 8	23 46.53	−25 16.9	1.950	2.910	7.4	20.8
9 18	23 38.13	−26 23.7	1.965	2.909	8.2	20.9
9 28	23 29.90	−27 6.9	2.005	2.907	10.3	21.0
10 8	23 22.77	−27 24.1	2.068	2.905	12.8	21.1
10 18	23 17.43	−27 15.9	2.152	2.903	15.1	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
311892 2006 XB_{55}			9 16.9	287°.74	2°.8/14.2	18
	h m	° ′			°	m
8 9	0 3.07	− 7 50.2	2.058	2.896	13.4	21.1
8 19	23 59.44	− 8 27.2	1.962	2.876	10.5	20.8
8 29	23 53.73	− 9 12.3	1.887	2.855	7.1	20.6
9 8	23 46.41	−10 0.5	1.839	2.835	3.8	20.3
9 18	23 38.14	−10 46.1	1.817	2.814	3.2	20.3
9 28	23 29.83	−11 23.2	1.823	2.793	6.4	20.4
10 8	23 22.42	−11 46.8	1.856	2.772	10.1	20.6
10 18	23 16.68	−11 54.4	1.912	2.752	13.4	20.8
150091 2006 YQ_{35}			9 16.9	237°.24	0°.3/16.7	17
8 9	0 6.05	− 0 43.0	1.795	2.616	15.8	21.0
8 19	0 2.02	− 1 3.6	1.704	2.607	12.5	20.8
8 29	23 55.61	− 1 37.9	1.635	2.597	8.6	20.5
9 8	23 47.35	− 2 22.6	1.590	2.587	4.1	20.2
9 18	23 38.03	− 3 12.5	1.571	2.576	0.7	20.0
9 28	23 28.73	− 4 1.0	1.581	2.565	5.4	20.3
10 8	23 20.52	− 4 41.6	1.617	2.554	9.8	20.5
10 18	23 14.28	− 5 9.6	1.677	2.542	13.7	20.7
139162 2001 FU_{113}			9 16.9	68°.40	1°.1/17.9	17
8 9	0 5.64	+ 3 26.5	1.394	2.220	19.2	20.0
8 19	0 1.94	+ 3 6.1	1.337	2.239	15.2	19.8
8 29	23 55.57	+ 2 25.6	1.298	2.257	10.6	19.6
9 8	23 47.26	+ 1 29.2	1.282	2.276	5.5	19.4
9 18	23 38.07	+ 0 23.3	1.291	2.295	1.1	19.1
9 28	23 29.28	− 0 43.1	1.326	2.314	5.4	19.5
10 8	23 22.05	− 1 41.7	1.386	2.333	10.2	19.8
10 18	23 17.18	− 2 26.4	1.469	2.351	14.3	20.1
185401 2006 WG_{96}			9 16.9	211°.12	4°.4/13.0	18
8 9	0 5.28	− 9 30.7	1.600	2.452	15.9	20.4
8 19	0 1.59	−10 35.9	1.529	2.450	12.4	20.2
8 29	23 55.37	−11 50.3	1.478	2.448	8.5	20.0
9 8	23 47.22	−13 6.0	1.452	2.445	5.1	19.8
9 18	23 38.06	−14 14.0	1.452	2.443	5.1	19.8
9 28	23 29.07	−15 6.0	1.478	2.440	8.5	20.0
10 8	23 21.40	−15 36.4	1.528	2.437	12.4	20.2
10 18	23 15.89	−15 43.6	1.601	2.433	15.9	20.4
200522 2001 CG_{19}			9 16.9	249°.53	1°.7/18.6	18
8 9	0 5.34	+ 4 11.8	2.116	2.909	14.6	21.4
8 19	0 1.17	+ 4 10.3	2.012	2.894	11.8	21.1
8 29	23 54.91	+ 3 54.6	1.930	2.878	8.5	20.9
9 8	23 46.99	+ 3 26.1	1.872	2.861	4.7	20.7
9 18	23 38.08	+ 2 47.7	1.842	2.844	1.7	20.4
9 28	23 29.11	+ 2 4.2	1.840	2.827	4.3	20.6
10 8	23 21.00	+ 1 21.0	1.866	2.809	8.3	20.8
10 18	23 14.55	+ 0 43.6	1.917	2.791	11.9	21.0
397512 2007 TB_{24}			9 17.0	278°.26	1°.4/15.8	18
8 9	0 5.09	− 4 19.4	1.872	2.703	14.8	21.1
8 19	0 1.14	− 4 37.3	1.783	2.693	11.6	20.9
8 29	23 54.94	− 5 5.2	1.717	2.683	7.9	20.7
9 8	23 47.00	− 5 39.0	1.675	2.673	3.8	20.4
9 18	23 38.09	− 6 13.7	1.659	2.662	1.7	20.2
9 28	23 29.23	− 6 43.6	1.672	2.652	5.6	20.5
10 8	23 21.42	− 7 3.7	1.711	2.642	9.8	20.7
10 18	23 15.49	− 7 10.7	1.774	2.632	13.4	20.9
146449 2001 RC_{22}			9 17.0	267°.61	1°.0/17.9	18
8 9	0 4.23	+ 2 55.7	1.753	2.567	16.4	19.8
8 19	0 0.77	+ 2 41.3	1.654	2.549	13.2	19.6
8 29	23 54.90	+ 2 9.8	1.575	2.532	9.3	19.3
9 8	23 47.08	+ 1 23.3	1.520	2.514	4.9	19.0
9 18	23 38.07	+ 0 26.4	1.491	2.495	1.0	18.7
9 28	23 28.97	− 0 34.3	1.489	2.477	5.1	19.0
10 8	23 20.91	− 1 31.3	1.514	2.458	9.7	19.2
10 18	23 14.80	− 2 17.8	1.562	2.438	13.9	19.4
299652 2006 KE_{116}			9 17.0	23°.20	8°.2/25.7	16
8 9	23 57.07	+20 29.4	1.418	2.177	22.0	20.1
8 19	23 55.52	+20 49.8	1.351	2.187	19.1	19.9
8 29	23 51.40	+20 36.8	1.300	2.198	15.7	19.7
9 8	23 45.34	+19 48.7	1.266	2.211	12.0	19.6
9 18	23 38.28	+18 27.0	1.254	2.224	9.0	19.4
9 28	23 31.44	+16 39.3	1.265	2.238	8.2	19.4
10 8	23 25.99	+14 37.4	1.301	2.253	10.2	19.6
10 18	23 22.74	+12 34.5	1.360	2.269	13.4	19.8
180494 2004 CP_{82}			9 17.0	121°.18	0°.1/17.1	17
8 9	0 6.17	+ 1 10.0	1.730	2.547	16.4	21.0
8 19	0 1.94	+ 0 39.7	1.661	2.560	12.9	20.8
8 29	23 55.39	− 0 6.2	1.612	2.571	8.9	20.6
9 8	23 47.15	− 1 3.6	1.587	2.583	4.3	20.3
9 18	23 38.09	− 2 6.7	1.589	2.594	0.4	20.1
9 28	23 29.28	− 3 8.0	1.619	2.604	5.1	20.5
10 8	23 21.73	− 4 0.8	1.676	2.614	9.4	20.7
10 18	23 16.18	− 4 40.3	1.757	2.624	13.1	21.0

135621 2002 JF_{61} 9 17.0 134°.64 2°.0/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 7.48	− 3 56.5	1.614	2.450	16.6	20.1
8 19	0 3.14	− 4 40.4	1.547	2.459	12.9	19.9
8 29	23 56.31	− 5 37.0	1.500	2.468	8.7	19.6
9 8	23 47.63	− 6 40.2	1.478	2.476	4.1	19.4
9 18	23 38.04	− 7 42.6	1.482	2.484	2.4	19.3
9 28	23 28.72	− 8 36.5	1.514	2.491	6.5	19.6
10 8	23 20.78	− 9 15.8	1.571	2.498	10.8	19.8
10 18	23 15.02	− 9 37.1	1.651	2.505	14.5	20.1

84797 2002 XL_{90} 9 17.0 279°.69 0°.3/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.44	+ 1 27.1	2.121	2.935	13.9	19.8
8 19	23 57.40	+ 0 36.2	2.011	2.909	11.1	19.5
8 29	23 52.39	− 0 31.3	1.922	2.883	7.6	19.3
9 8	23 45.80	− 1 52.2	1.859	2.856	3.7	19.0
9 18	23 38.24	− 3 20.9	1.824	2.829	0.6	18.7
9 28	23 30.56	− 4 50.1	1.818	2.801	4.9	18.9
10 8	23 23.65	− 6 12.0	1.839	2.773	9.0	19.1
10 18	23 18.27	− 7 20.5	1.886	2.745	12.7	19.3

226274 2003 AP_{78} 9 17.0 308°.91 1°.1/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.84	+ 2 46.6	1.406	2.242	18.6	21.0
8 19	23 58.70	+ 2 34.5	1.313	2.222	15.0	20.8
8 29	23 53.83	+ 2 1.8	1.239	2.201	10.6	20.5
9 8	23 46.69	+ 1 10.9	1.186	2.182	5.6	20.1
9 18	23 38.14	+ 0 6.9	1.158	2.162	1.1	19.8
9 28	23 29.45	− 1 1.6	1.154	2.143	5.9	20.0
10 8	23 21.99	− 2 4.9	1.174	2.124	11.2	20.3
10 18	23 16.84	− 2 54.9	1.216	2.106	16.1	20.5

220115 2002 TC_{40} 9 17.0 321°.28 1°.8/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.73	− 4 35.9	1.238	2.101	19.0	19.6
8 19	0 0.58	− 4 45.1	1.152	2.079	15.1	19.3
8 29	23 55.33	− 5 7.9	1.084	2.057	10.3	19.0
9 8	23 47.49	− 5 39.5	1.037	2.036	5.0	18.6
9 18	23 38.05	− 6 13.2	1.013	2.016	2.2	18.4
9 28	23 28.48	− 6 40.5	1.013	1.997	7.6	18.7
10 8	23 20.36	− 6 53.8	1.035	1.979	13.2	18.9
10 18	23 14.90	− 6 48.8	1.078	1.962	18.2	19.2

479084 2013 AL_{101} 9 17.0 209°.60 1°.5/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.08	− 4 4.6	2.323	3.145	12.6	22.8
8 19	23 59.07	− 4 44.4	2.235	3.140	9.8	22.6
8 29	23 53.26	− 5 33.5	2.171	3.135	6.6	22.4
9 8	23 46.11	− 6 28.0	2.132	3.129	3.2	22.1
9 18	23 38.23	− 7 22.8	2.122	3.123	1.8	22.0
9 28	23 30.42	− 8 12.6	2.141	3.117	5.0	22.2
10 8	23 23.44	− 8 52.5	2.187	3.110	8.4	22.4
10 18	23 17.94	− 9 19.5	2.259	3.103	11.5	22.6

470512 2008 CS_{128} 9 17.0 142°.34 1°.4/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.25	+ 3 53.9	1.662	2.472	17.3	22.1
8 19	0 2.21	+ 3 40.6	1.586	2.478	13.9	21.9
8 29	23 55.72	+ 3 9.5	1.529	2.483	9.8	21.6
9 8	23 47.39	+ 2 23.2	1.496	2.488	5.2	21.4
9 18	23 38.09	+ 1 26.6	1.489	2.493	1.4	21.1
9 28	23 28.98	+ 0 26.7	1.510	2.498	5.0	21.4
10 8	23 21.13	− 0 28.8	1.557	2.502	9.4	21.7
10 18	23 15.39	− 1 14.0	1.628	2.506	13.4	21.9

400975 2010 XE_{36} 9 17.0 277°.64 4°.5/11.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.71	−13 22.1	2.328	3.171	11.9	20.8
8 19	23 58.14	−14 23.6	2.236	3.152	9.3	20.6
8 29	23 52.73	−15 29.5	2.168	3.132	6.6	20.4
9 8	23 45.90	−16 34.1	2.126	3.112	4.6	20.2
9 18	23 38.26	−17 31.0	2.112	3.092	5.0	20.2
9 28	23 30.61	−18 14.6	2.126	3.072	7.5	20.3
10 8	23 23.77	−18 40.7	2.166	3.051	10.3	20.5
10 18	23 18.41	−18 47.8	2.229	3.030	13.1	20.6

257701 1999 XK_{4} 9 17.0 355°.65 2°.1/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.52	− 3 1.4	0.879	1.776	21.8	18.9
8 19	23 53.12	− 3 27.1	0.820	1.767	17.1	18.6
8 29	23 50.44	− 4 13.7	0.777	1.759	11.6	18.3
9 8	23 45.12	− 5 14.3	0.753	1.755	5.5	18.0
9 18	23 38.34	− 6 18.2	0.749	1.752	2.6	17.8
9 28	23 31.78	− 7 12.6	0.764	1.752	8.4	18.1
10 8	23 27.04	− 7 46.9	0.800	1.754	14.3	18.4
10 18	23 25.19	− 7 55.8	0.853	1.759	19.5	18.8

115524 2003 UD_{47} 9 17.0 309°.48 5°.7/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.59	−12 34.4	1.720	2.581	14.6	19.4
8 19	23 57.83	−14 6.3	1.649	2.575	11.4	19.1
8 29	23 52.78	−15 45.5	1.600	2.568	8.1	18.9
9 8	23 45.99	−17 23.1	1.575	2.561	5.9	18.8
9 18	23 38.26	−18 49.4	1.577	2.555	6.6	18.8
9 28	23 30.65	−19 55.7	1.605	2.549	9.5	19.0
10 8	23 24.17	−20 36.8	1.657	2.543	12.9	19.2
10 18	23 19.62	−20 51.3	1.729	2.537	16.0	19.4

4203 Brucato 9 17.0 101°.64 5°.4/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 18.05	+ 9 47.6	1.930	2.678	17.3	16.9
8 19	0 11.16	+11 4.8	1.850	2.692	14.5	16.7
8 29	0 1.70	+12 7.5	1.791	2.705	11.2	16.5
9 8	23 50.27	+12 53.4	1.756	2.718	7.8	16.3
9 18	23 37.80	+13 21.2	1.749	2.731	5.6	16.2
9 28	23 25.49	+13 32.3	1.772	2.744	6.3	16.3
10 8	23 14.50	+13 30.8	1.822	2.756	9.1	16.5
10 18	23 5.73	+13 22.3	1.899	2.768	12.2	16.7

350505 1999 XS_{111} 9 17.0 324°.11 10°.7/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 58.43	+21 26.8	1.507	2.252	21.5	20.2
8 19	23 56.96	+22 39.0	1.407	2.228	19.3	20.0
8 29	23 52.78	+23 25.2	1.322	2.204	16.6	19.7
9 8	23 46.28	+23 39.3	1.255	2.181	13.7	19.5
9 18	23 38.22	+23 17.2	1.207	2.159	11.4	19.3
9 28	23 29.85	+22 19.5	1.182	2.138	10.8	19.2
10 8	23 22.60	+20 53.1	1.179	2.118	12.3	19.2
10 18	23 17.65	+19 9.3	1.197	2.099	15.3	19.3

392756 2012 TX_{21} 9 17.0 342°.54 0°.6/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.58	− 1 35.4	1.378	2.228	18.1	20.6
8 19	23 59.14	− 1 47.8	1.301	2.220	14.4	20.3
8 29	23 53.98	− 2 15.7	1.243	2.212	9.8	20.0
9 8	23 46.69	− 2 54.9	1.207	2.205	4.7	19.7
9 18	23 38.20	− 3 39.3	1.195	2.199	1.0	19.4
9 28	23 29.81	− 4 21.1	1.208	2.194	6.2	19.8
10 8	23 22.79	− 4 52.8	1.245	2.190	11.3	20.1
10 18	23 18.10	− 5 9.4	1.304	2.187	15.7	20.3

235230 2003 SF_{255} 9 17.0 39°.10 0°.4/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.65	+ 0 9.3	1.591	2.426	16.8	20.2
8 19	23 58.66	− 0 26.3	1.523	2.433	13.2	20.0
8 29	23 53.31	− 1 18.3	1.475	2.440	9.0	19.8
9 8	23 46.23	− 2 21.7	1.450	2.447	4.3	19.5
9 18	23 38.27	− 3 29.9	1.451	2.455	0.8	19.3
9 28	23 30.52	− 4 34.7	1.478	2.463	5.5	19.7
10 8	23 24.04	− 5 28.8	1.531	2.471	10.0	19.9
10 18	23 19.56	− 6 7.3	1.607	2.480	13.8	20.2

509060 2005 TO_{86} 9 17.0 358°.60 3°.4/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 57.26	− 6 52.4	0.959	1.852	20.8	20.2
8 19	23 56.63	− 7 12.3	0.902	1.845	16.3	19.9
8 29	23 52.70	− 7 45.4	0.861	1.841	11.0	19.6
9 8	23 46.17	− 8 24.3	0.839	1.839	5.5	19.3
9 18	23 38.27	− 8 59.4	0.838	1.839	3.9	19.2
9 28	23 30.66	− 9 20.9	0.858	1.841	8.9	19.5
10 8	23 24.89	− 9 22.2	0.899	1.845	14.3	19.8
10 18	23 22.00	− 9 0.9	0.957	1.851	19.0	20.1

170756 2004 CS_{18} 9 17.0 265°.41 2°.4/14.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.09	− 6 52.5	2.021	2.856	13.8	20.7
8 19	0 0.22	− 7 27.7	1.931	2.843	10.7	20.5
8 29	23 54.26	− 8 11.4	1.864	2.831	7.3	20.2
9 8	23 46.69	− 8 58.7	1.822	2.818	3.7	20.0
9 18	23 38.21	− 9 44.1	1.807	2.806	2.8	19.9
9 28	23 29.77	−10 21.5	1.820	2.793	6.1	20.1
10 8	23 22.29	−10 46.2	1.860	2.779	9.8	20.3
10 18	23 16.52	−10 55.4	1.923	2.766	13.2	20.5

364487 2007 DO_{96} 9 17.0 110°.17 0°.0/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 59.49	+ 1 49.8	2.415	3.222	12.6	21.6
8 19	23 56.13	+ 1 0.5	2.337	3.231	9.9	21.4
8 29	23 51.18	− 0 1.7	2.281	3.239	6.7	21.2
9 8	23 45.08	− 1 13.1	2.252	3.248	3.3	21.0
9 18	23 38.40	− 2 28.9	2.251	3.256	0.4	20.8
9 28	23 31.86	− 3 43.2	2.280	3.264	4.0	21.1
10 8	23 26.10	− 4 50.3	2.337	3.272	7.3	21.3
10 18	23 21.69	− 5 46.2	2.420	3.280	10.3	21.6

391802 2008 RZ_{113} 9 17.0 288°.02 0°.2/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 56.13	− 2 20.0	4.473	5.274	7.3	21.0
8 19	23 52.77	− 2 30.0	4.380	5.272	5.7	20.9
8 29	23 48.55	− 2 44.6	4.312	5.270	3.8	20.7
9 8	23 43.71	− 3 2.1	4.272	5.268	1.8	20.6
9 18	23 38.56	− 3 20.9	4.261	5.266	0.3	20.4
9 28	23 33.44	− 3 39.0	4.281	5.264	2.4	20.6
10 8	23 28.72	− 3 54.4	4.331	5.262	4.4	20.8
10 18	23 24.68	− 4 5.5	4.408	5.260	6.2	20.9

274997 2009 TG_{25} 9 17.0 321°.64 0°.6/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.98	+ 1 16.1	1.332	2.177	18.9	20.2
8 19	23 58.90	+ 1 8.4	1.246	2.161	15.2	19.9
8 29	23 54.01	+ 0 41.7	1.179	2.145	10.6	19.6
9 8	23 46.80	− 0 1.3	1.133	2.130	5.4	19.3
9 18	23 38.20	− 0 55.0	1.111	2.115	0.7	18.9
9 28	23 29.54	− 1 51.0	1.113	2.101	6.1	19.2
10 8	23 22.22	− 2 40.0	1.138	2.088	11.5	19.5
10 18	23 17.32	− 3 15.1	1.185	2.076	16.3	19.7

514499 2016 WU_{19} 9 17.0 9°.77 1°.1/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 4.46	+ 1 40.1	1.754	2.572	16.2	20.9
8 19	0 0.72	+ 1 44.8	1.675	2.572	12.9	20.7
8 29	23 54.68	+ 1 35.6	1.616	2.573	9.1	20.5
9 8	23 46.90	+ 1 14.7	1.581	2.575	4.7	20.3
9 18	23 38.20	+ 0 45.9	1.572	2.576	1.1	20.0
9 28	23 29.64	+ 0 14.4	1.590	2.578	4.8	20.3
10 8	23 22.23	− 0 14.1	1.635	2.580	9.0	20.5
10 18	23 16.76	− 0 34.7	1.703	2.582	12.8	20.8

121698 1999 XM_{73} 9 17.0 316°.60 4°.2/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.17	+12 26.9	2.209	2.969	15.0	19.9
8 19	23 57.02	+12 35.3	2.114	2.964	12.6	19.7
8 29	23 52.01	+12 25.4	2.039	2.959	9.8	19.5
9 8	23 45.58	+11 57.4	1.987	2.953	6.7	19.3
9 18	23 38.35	+11 12.8	1.961	2.948	4.4	19.2
9 28	23 31.14	+10 15.9	1.962	2.943	4.8	19.2
10 8	23 24.76	+ 9 12.5	1.991	2.939	7.5	19.4
10 18	23 19.90	+ 8 9.1	2.045	2.934	10.5	19.6

256647 2007 WR_{7} 9 17.0 323°.66 2°.2/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.99	− 5 4.5	1.156	2.023	19.8	20.4
8 19	0 1.69	− 5 17.4	1.079	2.008	15.7	20.1
8 29	23 56.13	− 5 44.2	1.020	1.994	10.7	19.8
9 8	23 47.90	− 6 19.5	0.981	1.981	5.2	19.5
9 18	23 38.09	− 6 55.4	0.965	1.968	2.6	19.3
9 28	23 28.29	− 7 23.0	0.973	1.956	7.9	19.6
10 8	23 20.13	− 7 34.9	1.002	1.945	13.6	19.8
10 18	23 14.80	− 7 27.1	1.051	1.935	18.5	20.1

150746 2001 QH_{118} 9 17.0 14°.81 3°.9/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.84	+ 6 24.1	1.274	2.100	20.7	19.3
8 19	0 1.06	+ 6 57.5	1.206	2.103	16.9	19.0
8 29	23 55.35	+ 7 9.6	1.156	2.107	12.5	18.8
9 8	23 47.36	+ 7 0.7	1.126	2.112	7.7	18.5
9 18	23 38.16	+ 6 33.4	1.118	2.117	4.0	18.3
9 28	23 29.16	+ 5 54.1	1.135	2.124	6.1	18.5
10 8	23 21.74	+ 5 11.3	1.176	2.131	10.6	18.8
10 18	23 16.87	+ 4 33.2	1.238	2.139	15.0	19.1

514968 2009 BA_{184} 9 17.0 229°.47 2°.0/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.23	− 6 42.7	2.521	3.339	11.9	22.8
8 19	0 1.45	− 7 14.7	2.422	3.324	9.3	22.6
8 29	23 54.88	− 7 53.5	2.346	3.310	6.3	22.4
9 8	23 46.93	− 8 35.4	2.298	3.294	3.2	22.2
9 18	23 38.21	− 9 15.8	2.279	3.278	2.3	22.1
9 28	23 29.48	− 9 50.1	2.289	3.261	5.2	22.3
10 8	23 21.52	−10 14.4	2.328	3.243	8.4	22.5
10 18	23 14.99	−10 26.2	2.393	3.224	11.3	22.6

25359 1999 TW_{11} 9 17.0 250°.81 0°.6/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.37	+ 2 57.4	1.648	2.467	17.0	19.0
8 19	0 0.18	+ 2 25.5	1.558	2.457	13.6	18.8
8 29	23 54.53	+ 1 34.3	1.488	2.447	9.5	18.5
9 8	23 46.93	+ 0 26.9	1.442	2.437	4.8	18.2
9 18	23 38.21	− 0 50.8	1.422	2.426	0.6	17.9
9 28	23 29.49	− 2 10.3	1.428	2.415	5.3	18.2
10 8	23 21.90	− 3 22.8	1.461	2.404	10.1	18.5
10 18	23 16.37	− 4 21.3	1.517	2.393	14.3	18.7

222379 2001 BU_{56} 9 17.0 267°.37 0°.3/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 54.74	+ 1 2.7	4.476	5.267	7.5	20.6
8 19	23 51.74	+ 0 46.8	4.377	5.261	5.9	20.5
8 29	23 47.88	+ 0 24.8	4.302	5.254	4.1	20.3
9 8	23 43.41	− 0 1.7	4.255	5.248	2.1	20.2
9 18	23 38.61	− 0 30.9	4.237	5.241	0.3	20.0
9 28	23 33.84	− 1 0.7	4.249	5.235	2.2	20.2
10 8	23 29.44	− 1 28.9	4.291	5.228	4.2	20.3
10 18	23 25.69	− 1 53.4	4.361	5.221	6.0	20.5

41403 2000 AW_{186} 9 17.0 353°.85 5°.0/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 58.85	−12 11.3	1.886	2.744	13.6	18.2
8 19	23 56.21	−13 32.4	1.817	2.742	10.6	18.0
8 29	23 51.54	−14 59.6	1.771	2.739	7.4	17.8
9 8	23 45.36	−16 25.1	1.750	2.738	5.2	17.6
9 18	23 38.39	−17 40.8	1.756	2.736	5.7	17.7
9 28	23 31.57	−18 39.4	1.788	2.736	8.5	17.8
10 8	23 25.76	−19 16.3	1.845	2.735	11.6	18.0
10 18	23 21.67	−19 30.1	1.923	2.735	14.5	18.2

33822 2000 AA_{231} 9 17.0 225°.84 2°.9/ 9.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 54.42	−18 29.7	5.032	5.866	6.1	19.7
8 19	23 51.42	−19 14.6	4.953	5.859	4.8	19.6
8 29	23 47.63	−19 59.1	4.900	5.852	3.6	19.5
9 8	23 43.27	−20 40.5	4.876	5.845	3.0	19.5
9 18	23 38.63	−21 16.5	4.881	5.838	3.3	19.5
9 28	23 34.02	−21 44.9	4.914	5.831	4.3	19.6
10 8	23 29.75	−22 4.4	4.976	5.824	5.6	19.7
10 18	23 26.10	−22 14.2	5.061	5.816	6.9	19.8

112374 2002 NC_{24} 9 17.0 66°.22 6°.5/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 10.54	+12 57.1	1.373	2.153	21.7	19.3
8 19	0 5.91	+13 45.5	1.319	2.178	18.2	19.1
8 29	23 58.37	+14 8.2	1.281	2.203	14.1	19.0
9 8	23 48.69	+14 3.7	1.263	2.228	9.9	18.8
9 18	23 38.05	+13 33.6	1.269	2.253	6.8	18.7
9 28	23 27.86	+12 44.0	1.300	2.278	7.2	18.8
10 8	23 19.42	+11 44.1	1.355	2.303	10.3	19.0
10 18	23 13.59	+10 43.6	1.434	2.328	13.9	19.3

57957 2002 JZ_{105} 9 17.0 86°.29 0°.2/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.73	− 0 24.3	2.340	3.153	12.8	20.2
8 19	23 57.87	− 0 51.7	2.269	3.166	10.0	20.0
8 29	23 52.35	− 1 29.6	2.220	3.180	6.8	19.9
9 8	23 45.64	− 2 14.7	2.197	3.193	3.2	19.7
9 18	23 38.37	− 3 2.8	2.201	3.206	0.5	19.4
9 28	23 31.28	− 3 49.0	2.235	3.219	4.1	19.8
10 8	23 25.05	− 4 28.7	2.297	3.232	7.4	20.0
10 18	23 20.26	− 4 58.7	2.385	3.245	10.4	20.2

249754 2000 SB_{326} 9 17.0 90°.91 1°.5/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.73	+ 4 58.7	1.412	2.235	19.2	20.7
8 19	0 0.68	+ 4 34.5	1.339	2.238	15.4	20.4
8 29	23 54.94	+ 3 47.7	1.285	2.242	10.9	20.2
9 8	23 47.12	+ 2 41.5	1.253	2.245	5.9	19.9
9 18	23 38.20	+ 1 22.2	1.245	2.249	1.5	19.6
9 28	23 29.47	− 0 0.6	1.263	2.252	5.5	19.9
10 8	23 22.15	− 1 17.0	1.307	2.256	10.5	20.2
10 18	23 17.17	− 2 19.0	1.373	2.259	14.9	20.5

79381 1997 GV_{2} 9 17.0 188°.85 0°.7/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.18	+ 3 40.8	1.665	2.481	17.0	20.5
8 19	23 59.88	+ 3 2.8	1.584	2.481	13.6	20.3
8 29	23 54.21	+ 2 5.0	1.523	2.481	9.5	20.0
9 8	23 46.73	+ 0 51.2	1.486	2.480	4.8	19.7
9 18	23 38.25	− 0 32.5	1.474	2.479	0.7	19.4
9 28	23 29.89	− 1 57.3	1.491	2.478	5.1	19.8
10 8	23 22.71	− 3 14.4	1.533	2.476	9.7	20.0
10 18	23 17.54	− 4 17.0	1.600	2.475	13.8	20.3

208752 2002 PC_{4} 9 17.0 337°.85 3°.6/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.22	− 2 33.7	1.316	2.187	17.6	19.5
8 19	23 51.95	− 4 18.6	1.235	2.169	13.7	19.2
8 29	23 49.19	− 6 28.1	1.175	2.153	9.1	18.9
9 8	23 44.43	− 8 52.9	1.137	2.137	4.6	18.6
9 18	23 38.50	−11 19.7	1.125	2.123	4.5	18.6
9 28	23 32.57	−13 33.0	1.138	2.110	9.0	18.8
10 8	23 27.85	−15 20.1	1.173	2.098	13.9	19.0
10 18	23 25.30	−16 33.8	1.229	2.088	18.2	19.3

72738 2001 FG_{104} 9 17.0 283°.08 1°.9/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.71	+ 4 24.9	1.824	2.631	16.1	19.4
8 19	0 0.14	+ 4 24.2	1.737	2.625	13.0	19.2
8 29	23 54.33	+ 4 7.3	1.669	2.620	9.3	18.9
9 8	23 46.78	+ 3 36.0	1.625	2.614	5.2	18.7
9 18	23 38.26	+ 2 53.6	1.606	2.609	1.9	18.4
9 28	23 29.77	+ 2 5.9	1.616	2.604	4.7	18.6
10 8	23 22.35	+ 1 19.4	1.651	2.598	8.8	18.9
10 18	23 16.79	+ 0 39.9	1.712	2.593	12.7	19.1

154800 2004 PZ_{83} 9 17.0 44°.41 2°.3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.58	− 2 25.9	1.442	2.293	17.4	19.9
8 19	23 58.02	− 3 37.3	1.381	2.302	13.5	19.7
8 29	23 52.98	− 5 5.4	1.341	2.312	9.0	19.5
9 8	23 46.11	− 6 42.5	1.324	2.323	4.3	19.2
9 18	23 38.34	− 8 18.8	1.333	2.334	2.8	19.2
9 28	23 30.86	− 9 44.0	1.367	2.345	7.0	19.5
10 8	23 24.73	−10 49.8	1.427	2.356	11.5	19.7
10 18	23 20.75	−11 32.4	1.508	2.368	15.3	20.0

269124 2007 PC_{23} 9 17.0 35°.24 6°.2/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.38	+15 59.7	2.265	2.992	15.6	20.0
8 19	0 1.01	+16 57.1	2.184	3.002	13.4	19.9
8 29	23 54.67	+17 37.4	2.122	3.012	10.8	19.7
9 8	23 46.86	+17 58.8	2.083	3.022	8.3	19.6
9 18	23 38.26	+18 0.9	2.069	3.033	6.5	19.5
9 28	23 29.73	+17 45.8	2.083	3.044	6.4	19.5
10 8	23 22.14	+17 17.7	2.123	3.056	8.1	19.6
10 18	23 16.16	+16 42.4	2.189	3.068	10.4	19.8

353617 2011 UW_{34} 9 17.0 232°.08 1°.2/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.93	+ 3 16.2	2.056	2.860	14.6	21.2
8 19	23 59.23	+ 3 4.1	1.968	2.857	11.7	21.0
8 29	23 53.53	+ 2 37.8	1.902	2.854	8.2	20.7
9 8	23 46.33	+ 1 59.3	1.859	2.851	4.4	20.5
9 18	23 38.32	+ 1 12.6	1.844	2.848	1.2	20.3
9 28	23 30.36	+ 0 22.9	1.858	2.845	4.2	20.5
10 8	23 23.35	− 0 23.9	1.898	2.842	8.1	20.7
10 18	23 17.98	− 1 2.8	1.964	2.838	11.6	20.9

218475 2004 SK_{44} 9 17.0 359°.97 2°.6/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 59.95	+ 6 41.3	1.845	2.648	16.1	19.8
8 19	23 57.14	+ 6 43.0	1.763	2.647	13.1	19.6
8 29	23 52.23	+ 6 27.1	1.700	2.646	9.6	19.4
9 8	23 45.74	+ 5 55.1	1.660	2.646	5.7	19.2
9 18	23 38.39	+ 5 10.2	1.646	2.646	2.7	19.0
9 28	23 31.12	+ 4 17.9	1.659	2.647	4.5	19.1
10 8	23 24.87	+ 3 24.9	1.698	2.648	8.3	19.3
10 18	23 20.38	+ 2 37.3	1.761	2.650	11.9	19.6

27421 Nathanhan 9 17.0 351°.61 0°.5/17.5 18

8 9	23 58.12	+ 2 49.5	1.533	2.368	17.4	17.9
8 19	23 56.13	+ 2 17.2	1.454	2.363	13.8	17.7
8 29	23 51.77	+ 1 24.9	1.396	2.359	9.6	17.4
9 8	23 45.58	+ 0 16.6	1.359	2.356	4.9	17.1
9 18	23 38.40	− 1 1.4	1.348	2.353	0.6	16.8
9 28	23 31.32	− 2 20.2	1.363	2.351	5.3	17.2
10 8	23 25.42	− 3 30.7	1.403	2.350	10.0	17.4
10 18	23 21.53	− 4 26.1	1.465	2.350	14.2	17.7

383074 2005 SP_2 9 17.0 357°.31 2°.9/18.8 18

8 9	23 58.24	+ 2 29.9	0.981	1.849	22.4	19.8
8 19	23 57.43	+ 3 12.2	0.917	1.842	18.2	19.5
8 29	23 53.32	+ 3 34.4	0.869	1.837	13.1	19.2
9 8	23 46.56	+ 3 37.0	0.839	1.833	7.4	18.9
9 18	23 38.29	+ 3 23.1	0.829	1.832	2.9	18.6
9 28	23 30.19	+ 2 59.9	0.842	1.833	6.6	18.8
10 8	23 23.88	+ 2 36.2	0.874	1.836	12.2	19.2
10 18	23 20.48	+ 2 20.1	0.926	1.842	17.3	19.5

478620 2012 TU_{165} 9 17.0 336°.89 6°.1/13.3 16

8 9	0 0.76	−12 56.3	1.115	2.001	19.0	20.8
8 19	23 59.37	−13 23.2	1.037	1.976	15.1	20.5
8 29	23 54.69	−13 55.6	0.976	1.953	10.7	20.2
9 8	23 47.28	−14 25.0	0.936	1.931	6.9	19.9
9 18	23 38.22	−14 41.5	0.917	1.910	6.7	19.8
9 28	23 29.12	−14 36.2	0.921	1.892	10.8	20.0
10 8	23 21.66	−14 4.4	0.944	1.875	15.7	20.2
10 18	23 17.07	−13 6.2	0.986	1.860	20.3	20.4

7849 Janjosefrič 9 17.0 291°.00 3°.7/13.5 18

8 9	0 2.99	− 9 10.6	1.844	2.691	14.4	18.1
8 19	23 59.57	−10 0.5	1.762	2.681	11.2	17.9
8 29	23 53.93	−10 58.4	1.702	2.671	7.6	17.6
9 8	23 46.59	−11 58.0	1.667	2.661	4.4	17.4
9 18	23 38.32	−12 52.5	1.658	2.652	4.2	17.4
9 28	23 30.13	−13 34.8	1.677	2.642	7.3	17.6
10 8	23 23.00	−14 0.0	1.721	2.632	11.0	17.8
10 18	23 17.72	−14 6.0	1.787	2.623	14.4	18.0

138468 2000 JW_{44} 9 17.0 201°.71 0°.4/16.7 18

8 9	0 5.92	− 0 32.7	1.960	2.775	14.9	21.3
8 19	0 1.68	− 1 1.8	1.873	2.772	11.7	21.1
8 29	23 55.28	− 1 44.1	1.807	2.768	8.0	20.9
9 8	23 47.22	− 2 36.0	1.767	2.763	3.8	20.6
9 18	23 38.26	− 3 32.4	1.754	2.758	0.7	20.3
9 28	23 29.37	− 4 26.7	1.769	2.753	5.0	20.7
10 8	23 21.51	− 5 13.0	1.812	2.747	9.1	20.9
10 18	23 15.45	− 5 46.9	1.880	2.740	12.7	21.1

254434 2005 AQ_5 9 17.0 221°.01 0°.5/17.5 18

8 9	0 8.92	+ 0 39.9	1.645	2.462	17.1	21.5
8 19	0 4.53	+ 0 35.4	1.558	2.456	13.7	21.3
8 29	23 57.51	+ 0 16.2	1.491	2.450	9.5	21.0
9 8	23 48.42	− 0 15.1	1.448	2.443	4.8	20.8
9 18	23 38.14	− 0 54.0	1.431	2.435	0.6	20.4
9 28	23 27.90	− 1 34.0	1.441	2.427	5.4	20.8
10 8	23 18.92	− 2 8.7	1.477	2.419	10.1	21.0
10 18	23 12.14	− 2 32.7	1.538	2.410	14.4	21.3

175204 2005 FT_5 9 17.0 89°.97 3°.7/13.0 18

8 9	0 2.18	− 8 34.2	1.920	2.765	14.0	19.8
8 19	23 58.65	− 9 47.5	1.858	2.776	10.7	19.6
8 29	23 53.10	−11 8.6	1.818	2.787	7.3	19.5
9 8	23 46.10	−12 30.5	1.804	2.798	4.2	19.3
9 18	23 38.40	−13 45.7	1.817	2.808	4.2	19.3
9 28	23 30.93	−14 47.3	1.858	2.819	7.2	19.5
10 8	23 24.54	−15 30.4	1.925	2.829	10.5	19.7
10 18	23 19.88	−15 53.1	2.015	2.840	13.4	20.0

234275 2000 WK_{97} 9 17.0 350°.98 10°.3/25.8 18

8 9	23 59.42	+20 5.0	1.382	2.143	22.5	18.5
8 19	23 57.77	+21 19.2	1.303	2.136	19.8	18.3
8 29	23 53.30	+22 5.0	1.238	2.130	16.7	18.1
9 8	23 46.51	+22 17.4	1.190	2.125	13.6	17.9
9 18	23 38.34	+21 53.7	1.163	2.122	11.0	17.7
9 28	23 30.12	+20 56.3	1.158	2.119	10.3	17.7
10 8	23 23.26	+19 34.1	1.174	2.118	12.0	17.8
10 18	23 18.84	+17 59.0	1.213	2.117	15.0	18.0

84246 2002 SJ_{36} 9 17.0 288°.10 3°.9/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 5.60	− 8 36.5	1.497	2.351	16.8	19.8
8 19	0 2.24	− 9 19.2	1.414	2.337	13.2	19.6
8 29	23 56.12	−10 11.9	1.351	2.322	9.0	19.3
9 8	23 47.80	−11 7.9	1.312	2.308	5.0	19.0
9 18	23 38.21	−11 58.9	1.297	2.293	4.4	19.0
9 28	23 28.64	−12 36.4	1.308	2.279	8.3	19.1
10 8	23 20.39	−12 54.4	1.343	2.264	12.8	19.4
10 18	23 14.47	−12 50.6	1.400	2.250	16.8	19.6

443266 2014 EJ_{18} 9 17.0 128°.01 3°.1/13.4 18

8 9	0 2.08	− 6 47.8	2.051	2.889	13.5	21.7
8 19	23 58.47	− 8 5.5	1.983	2.898	10.4	21.6
8 29	23 52.94	− 9 32.6	1.938	2.906	6.9	21.4
9 8	23 46.02	−11 2.5	1.919	2.915	3.8	21.2
9 18	23 38.42	−12 27.7	1.929	2.923	3.6	21.2
9 28	23 30.98	−13 41.0	1.967	2.930	6.6	21.4
10 8	23 24.54	−14 37.3	2.031	2.937	9.9	21.6
10 18	23 19.73	−15 13.8	2.120	2.944	12.8	21.8

252676 2002 AA_{105} 9 17.0 163°.63 0°.9/18.2 18

8 9	0 2.71	+ 3 13.2	2.694	3.482	12.0	21.4
8 19	23 58.50	+ 2 57.4	2.607	3.486	9.5	21.2
8 29	23 52.75	+ 2 30.5	2.542	3.491	6.7	21.0
9 8	23 45.88	+ 1 54.6	2.504	3.494	3.5	20.8
9 18	23 38.43	+ 1 12.6	2.494	3.498	0.9	20.7
9 28	23 31.07	+ 0 28.7	2.514	3.501	3.4	20.9
10 8	23 24.45	− 0 13.0	2.564	3.503	6.5	21.1
10 18	23 19.09	− 0 48.8	2.640	3.505	9.3	21.2

180470 2004 CH_{40} 9 17.0 148°.10 0°.2/17.2 17

8 9	0 6.15	+ 1 55.6	2.019	2.823	14.9	20.9
8 19	0 1.66	+ 1 17.6	1.943	2.834	11.7	20.7
8 29	23 55.12	+ 0 24.8	1.888	2.844	8.0	20.5
9 8	23 47.09	− 0 38.9	1.859	2.854	4.0	20.3
9 18	23 38.31	− 1 48.2	1.858	2.862	0.4	20.0
9 28	23 29.72	− 2 56.5	1.886	2.870	4.6	20.4
10 8	23 22.19	− 3 57.3	1.941	2.877	8.5	20.6
10 18	23 16.40	− 4 45.9	2.023	2.884	11.9	20.9

118606 2000 GG_{120} 9 17.0 150°.21 0°.1/17.0 17

8 9	0 4.86	+ 0 23.5	1.616	2.444	17.0	20.7
8 19	0 1.25	+ 0 1.0	1.540	2.444	13.4	20.5
8 29	23 55.18	− 0 37.4	1.483	2.445	9.2	20.2
9 8	23 47.24	− 1 27.8	1.450	2.446	4.5	19.9
9 18	23 38.29	− 2 24.4	1.442	2.447	0.5	19.6
9 28	23 29.49	− 3 19.7	1.462	2.448	5.4	20.0
10 8	23 21.96	− 4 6.5	1.507	2.448	10.0	20.3
10 18	23 16.52	− 4 39.8	1.576	2.449	14.0	20.5

443507 2014 JE_{41} 9 17.0 25°.20 3°.9/13.4 18

8 9	0 3.38	−10 27.2	1.805	2.655	14.5	20.8
8 19	23 59.76	−11 10.9	1.739	2.659	11.3	20.6
8 29	23 53.95	−12 0.2	1.694	2.663	7.7	20.4
9 8	23 46.55	−12 48.9	1.674	2.668	4.6	20.2
9 18	23 38.37	−13 30.5	1.681	2.672	4.4	20.2
9 28	23 30.42	−13 58.9	1.714	2.678	7.3	20.4
10 8	23 23.64	−14 10.4	1.772	2.683	10.8	20.7
10 18	23 18.73	−14 3.7	1.853	2.689	14.0	20.9

362279 2009 RK_9 9 17.0 64°.27 1°.1/15.9 18

8 9	0 4.21	− 4 28.0	2.239	3.062	13.0	20.5
8 19	23 59.94	− 4 41.4	2.164	3.068	10.1	20.4
8 29	23 53.85	− 5 2.3	2.111	3.075	6.8	20.2
9 8	23 46.44	− 5 27.5	2.084	3.081	3.2	20.0
9 18	23 38.40	− 5 52.9	2.085	3.088	1.3	19.8
9 28	23 30.51	− 6 14.3	2.114	3.094	4.7	20.1
10 8	23 23.57	− 6 28.1	2.171	3.101	8.1	20.3
10 18	23 18.17	− 6 31.9	2.254	3.108	11.1	20.5

75634 2000 AQ_{52} 9 17.1 12°.87 4°.5/19.8 18

8 9	23 58.77	+ 5 14.8	0.874	1.742	24.5	17.3
8 19	23 57.99	+ 6 7.5	0.825	1.748	20.0	17.0
8 29	23 53.71	+ 6 34.2	0.791	1.755	14.7	16.7
9 8	23 46.72	+ 6 34.9	0.774	1.765	9.0	16.5
9 18	23 38.37	+ 6 12.9	0.776	1.777	4.6	16.3
9 28	23 30.44	+ 5 36.6	0.799	1.791	7.0	16.5
10 8	23 24.54	+ 4 57.1	0.843	1.807	12.2	16.8
10 18	23 21.70	+ 4 24.0	0.905	1.825	17.2	17.2

450546 2006 DT_{20} 9 17.1 280°.07 0°.2/16.8 17

8 9	0 0.01	+ 0 1.8	2.331	3.146	12.8	21.8
8 19	23 56.78	− 0 30.9	2.234	3.133	10.1	21.6
8 29	23 51.82	− 1 15.8	2.159	3.120	6.9	21.4
9 8	23 45.54	− 2 9.6	2.110	3.106	3.3	21.1
9 18	23 38.50	− 3 8.1	2.088	3.093	0.5	20.9
9 28	23 31.46	− 4 5.9	2.096	3.080	4.3	21.1
10 8	23 25.18	− 4 57.4	2.131	3.066	7.9	21.3
10 18	23 20.29	− 5 38.4	2.191	3.053	11.1	21.5

478658 2012 TY_{245} 9 17.1 348°.91 6°.3/22.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 52.42	+12 54.3	1.159	1.985	22.4	20.0
8 19	23 52.52	+13 19.0	1.082	1.972	19.0	19.7
8 29	23 49.84	+13 12.3	1.019	1.960	14.9	19.4
9 8	23 44.88	+12 32.2	0.975	1.950	10.5	19.2
9 18	23 38.57	+11 20.6	0.951	1.942	6.8	18.9
9 28	23 32.25	+ 9 45.5	0.949	1.936	7.1	18.9
10 8	23 27.35	+ 8 0.2	0.968	1.932	11.1	19.2
10 18	23 24.91	+ 6 18.6	1.009	1.930	15.7	19.4

404496 2013 HU_{28} 9 17.1 145°.48 5°.0/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.89	−15 12.9	2.272	3.119	12.0	20.9
8 19	23 58.21	−16 18.9	2.203	3.119	9.4	20.7
8 29	23 52.73	−17 26.9	2.159	3.120	6.8	20.6
9 8	23 45.93	−18 30.7	2.140	3.121	5.1	20.4
9 18	23 38.48	−19 24.1	2.148	3.121	5.6	20.5
9 28	23 31.17	−20 1.9	2.184	3.122	7.8	20.6
10 8	23 24.77	−20 21.0	2.246	3.122	10.4	20.8
10 18	23 19.90	−20 20.9	2.330	3.123	12.8	21.0

340431 2006 FM_{35} 9 17.1 103°.35 8°.8/13.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 28.42	−20 47.7	1.101	1.949	21.9	20.2
8 19	0 20.75	−21 0.9	1.048	1.959	17.7	20.0
8 29	0 8.85	−21 6.7	1.012	1.969	13.2	19.8
9 8	23 53.88	−20 53.9	0.998	1.978	9.6	19.6
9 18	23 37.67	−20 13.9	1.009	1.988	9.2	19.6
9 28	23 22.49	−19 4.1	1.044	1.997	12.3	19.8
10 8	23 10.19	−17 28.5	1.103	2.006	16.5	20.1
10 18	23 1.81	−15 34.7	1.181	2.014	20.4	20.4

344125 1999 XD_{9} 9 17.1 311°.07 13°.1/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.85	−34 38.0	1.715	2.557	15.5	19.8
8 19	0 2.43	−36 45.1	1.672	2.551	14.0	19.6
8 29	23 56.17	−38 38.5	1.650	2.544	13.2	19.6
9 8	23 47.77	−40 6.3	1.650	2.538	13.4	19.6
9 18	23 38.30	−40 59.4	1.671	2.532	14.5	19.6
9 28	23 29.11	−41 13.0	1.713	2.526	16.2	19.8
10 8	23 21.49	−40 47.9	1.772	2.520	18.0	19.9
10 18	23 16.32	−39 48.5	1.847	2.515	19.8	20.0

487210 2014 OK_{377} 9 17.1 328°.16 3°.9/12.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 59.50	−10 17.3	2.135	2.983	12.6	20.9
8 19	23 56.50	−11 23.7	2.058	2.977	9.8	20.7
8 29	23 51.67	−12 36.6	2.004	2.973	6.7	20.5
9 8	23 45.47	−13 49.9	1.976	2.968	4.2	20.3
9 18	23 38.54	−14 56.9	1.976	2.964	4.4	20.3
9 28	23 31.70	−15 51.4	2.003	2.959	7.1	20.5
10 8	23 25.75	−16 28.8	2.056	2.955	10.1	20.7
10 18	23 21.33	−16 47.0	2.132	2.952	13.0	20.9

291808 2006 KK_{90} 9 17.1 77°.13 3°.6/14.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.71	−10 13.9	1.765	2.608	15.1	20.8
8 19	0 3.11	−10 46.2	1.703	2.618	11.7	20.6
8 29	23 56.21	−11 23.7	1.662	2.629	8.0	20.4
9 8	23 47.64	−12 0.4	1.646	2.640	4.5	20.2
9 18	23 38.32	−12 30.2	1.657	2.651	4.0	20.2
9 28	23 29.32	−12 47.5	1.695	2.662	7.1	20.4
10 8	23 21.62	−12 49.3	1.759	2.672	10.7	20.6
10 18	23 15.95	−12 34.5	1.845	2.683	13.9	20.9

123481 2000 WV_{162} 9 17.1 340°.45 3°.0/14.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 52.21	− 3 3.9	1.120	2.003	19.2	18.3
8 19	23 52.41	− 4 7.0	1.043	1.982	15.0	18.0
8 29	23 49.80	− 5 32.8	0.984	1.964	10.1	17.7
9 8	23 44.89	− 7 13.7	0.946	1.947	5.0	17.3
9 18	23 38.60	− 8 58.0	0.930	1.931	3.7	17.2
9 28	23 32.31	−10 31.5	0.937	1.918	8.8	17.5
10 8	23 27.43	−11 42.1	0.965	1.906	14.2	17.7
10 18	23 25.04	−12 22.7	1.011	1.896	19.1	18.0

172852 2005 EW_{33} 9 17.1 205°.79 1°.6/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.07	+ 4 50.7	1.866	2.662	16.2	21.7
8 19	0 2.79	+ 4 36.3	1.774	2.657	13.1	21.4
8 29	23 56.18	+ 4 4.6	1.703	2.652	9.3	21.2
9 8	23 47.76	+ 3 17.4	1.656	2.645	5.2	20.9
9 18	23 38.32	+ 2 19.0	1.635	2.638	1.6	20.7
9 28	23 28.89	+ 1 15.6	1.643	2.631	4.7	20.9
10 8	23 20.53	+ 0 14.7	1.679	2.622	9.0	21.1
10 18	23 14.09	− 0 37.6	1.739	2.613	12.9	21.3

16599 Shorland 9 17.1 251°.92 0°.0/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.89	− 0 23.0	2.370	3.177	12.8	18.9
8 19	23 59.81	− 0 39.4	2.268	3.162	10.2	18.7
8 29	23 53.91	− 1 6.5	2.188	3.146	7.0	18.5
9 8	23 46.59	− 1 41.7	2.135	3.130	3.4	18.3
9 18	23 38.45	− 2 21.3	2.109	3.114	0.4	18.0
9 28	23 30.28	− 3 0.8	2.113	3.097	4.2	18.3
10 8	23 22.88	− 3 35.4	2.145	3.080	7.8	18.5
10 18	23 16.92	− 4 1.5	2.202	3.063	11.1	18.6

332483 2008 EM_{128} 9 17.1 211°.58 2°.0/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 6.89	− 4 24.0	1.702	2.536	16.0	21.1
8 19	0 2.80	− 5 0.7	1.621	2.532	12.5	20.9
8 29	23 56.25	− 5 49.5	1.561	2.528	8.4	20.7
9 8	23 47.80	− 6 45.1	1.526	2.523	4.1	20.4
9 18	23 38.33	− 7 40.7	1.517	2.518	2.3	20.3
9 28	23 28.95	− 8 29.1	1.535	2.513	6.4	20.5
10 8	23 20.79	− 9 4.0	1.579	2.507	10.7	20.8
10 18	23 14.70	− 9 22.0	1.647	2.501	14.5	21.0

297986 2002 LW_{61} 9 17.1 42°.64 2°.5/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 59.90	+ 9 3.6	1.744	2.541	17.1	20.5
8 19	23 57.24	+ 8 29.0	1.664	2.544	14.0	20.3
8 29	23 52.39	+ 7 31.3	1.603	2.547	10.2	20.1
9 8	23 45.90	+ 6 12.9	1.565	2.550	6.0	19.9
9 18	23 38.54	+ 4 39.2	1.553	2.554	2.6	19.7
9 28	23 31.31	+ 2 58.6	1.569	2.558	4.6	19.8
10 8	23 25.17	+ 1 20.6	1.611	2.561	8.7	20.1
10 18	23 20.86	− 0 6.5	1.678	2.565	12.5	20.3

418061 2007 VE_{181} 9 17.1 250°.69 2°.0/15.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.65	− 4 25.7	1.608	2.444	16.6	22.0
8 19	0 3.71	− 4 59.2	1.518	2.430	13.1	21.7
8 29	23 57.10	− 5 45.9	1.448	2.415	8.9	21.4
9 8	23 48.33	− 6 40.4	1.402	2.400	4.3	21.1
9 18	23 38.29	− 7 36.0	1.382	2.384	2.4	21.0
9 28	23 28.20	− 8 24.5	1.390	2.368	6.8	21.2
10 8	23 19.33	− 8 59.0	1.422	2.351	11.5	21.4
10 18	23 12.69	− 9 15.6	1.477	2.334	15.7	21.6

448643 2010 VH_{85} 9 17.1 247°.67 1°.9/14.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.98	− 6 4.1	2.480	3.306	11.8	22.1
8 19	23 58.19	− 6 40.7	2.388	3.296	9.2	21.9
8 29	23 52.71	− 7 24.7	2.320	3.286	6.2	21.7
9 8	23 45.98	− 8 12.3	2.279	3.275	3.1	21.5
9 18	23 38.55	− 8 58.8	2.266	3.265	2.2	21.4
9 28	23 31.15	− 9 39.4	2.281	3.254	5.0	21.6
10 8	23 24.51	−10 10.1	2.325	3.243	8.2	21.8
10 18	23 19.23	−10 28.1	2.393	3.232	11.1	21.9

149158 2002 FQ_{29} 9 17.1 169°.00 2°.7/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.40	+ 9 8.8	2.516	3.283	13.3	20.7
8 19	23 57.69	+ 9 1.0	2.425	3.285	10.9	20.5
8 29	23 52.34	+ 8 38.1	2.356	3.286	8.1	20.3
9 8	23 45.78	+ 8 1.3	2.311	3.288	5.1	20.1
9 18	23 38.58	+ 7 13.0	2.293	3.289	2.8	20.0
9 28	23 31.44	+ 6 17.4	2.305	3.290	3.8	20.1
10 8	23 25.06	+ 5 19.8	2.345	3.291	6.6	20.2
10 18	23 20.01	+ 4 25.2	2.412	3.291	9.5	20.4

284552 2007 RY_{317} 9 17.1 339°.88 0°.9/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.23	− 0 31.6	1.660	2.497	16.2	20.6
8 19	23 57.62	− 1 16.0	1.581	2.493	12.7	20.3
8 29	23 52.74	− 2 16.9	1.522	2.489	8.6	20.1
9 8	23 46.12	− 3 29.2	1.487	2.486	4.1	19.8
9 18	23 38.55	− 4 46.0	1.478	2.482	1.2	19.6
9 28	23 31.07	− 5 58.9	1.496	2.480	5.7	19.9
10 8	23 24.72	− 7 0.2	1.540	2.477	10.1	20.2
10 18	23 20.29	− 7 44.5	1.606	2.475	14.0	20.4

353191 2009 SJ_{48} 9 17.1 268°.85 0°.4/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 54.95	+ 1 16.9	4.535	5.324	7.4	21.4
8 19	23 51.93	+ 1 3.1	4.438	5.320	5.9	21.2
8 29	23 48.07	+ 0 43.5	4.366	5.317	4.0	21.1
9 8	23 43.61	+ 0 19.3	4.321	5.314	2.1	20.9
9 18	23 38.83	− 0 7.6	4.306	5.311	0.4	20.8
9 28	23 34.09	− 0 35.3	4.321	5.307	2.1	21.0
10 8	23 29.71	− 1 1.5	4.366	5.304	4.1	21.1
10 18	23 25.98	− 1 24.3	4.439	5.301	5.9	21.2

512677 2016 TT_{82} 9 17.1 224°.36 4°.8/21.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.94	+11 37.0	1.864	2.633	17.2	21.0
8 19	0 1.16	+12 3.8	1.777	2.632	14.4	20.8
8 29	23 55.11	+12 11.2	1.709	2.632	11.1	20.6
9 8	23 47.29	+11 58.6	1.664	2.632	7.7	20.4
9 18	23 38.47	+11 27.3	1.643	2.631	5.1	20.2
9 28	23 29.70	+10 41.4	1.650	2.631	5.6	20.2
10 8	23 22.01	+ 9 47.5	1.683	2.630	8.6	20.4
10 18	23 16.20	+ 8 52.9	1.741	2.630	12.1	20.6

516070 2015 TD_{234} 9 17.1 32°.93 3°.8/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.42	+ 8 26.5	1.848	2.634	16.7	20.5
8 19	0 0.62	+ 8 56.5	1.773	2.643	13.7	20.3
8 29	23 54.62	+ 9 9.6	1.718	2.653	10.3	20.2
9 8	23 47.00	+ 9 5.8	1.686	2.662	6.7	20.0
9 18	23 38.53	+ 8 46.9	1.679	2.673	4.0	19.8
9 28	23 30.22	+ 8 17.1	1.699	2.684	5.0	19.9
10 8	23 23.03	+ 7 42.2	1.746	2.695	8.3	20.1
10 18	23 17.69	+ 7 7.9	1.817	2.706	11.6	20.4

479684 2014 DB_{90} 9 17.1 142°.43 3°.6/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 8.60	−11 57.8	2.183	3.014	13.0	21.3
8 19	0 3.43	−12 28.5	2.113	3.022	10.1	21.1
8 29	23 56.28	−13 2.1	2.065	3.028	7.0	20.9
9 8	23 47.72	−13 33.6	2.044	3.035	4.2	20.7
9 18	23 38.47	−13 57.9	2.051	3.041	4.0	20.7
9 28	23 29.46	−14 10.8	2.087	3.047	6.5	20.9
10 8	23 21.52	−14 9.5	2.149	3.052	9.6	21.1
10 18	23 15.29	−13 53.5	2.236	3.057	12.4	21.3

516729 2009 DR_{129} 9 17.1 260°.49 1°.9/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.44	+ 8 2.1	2.106	2.893	14.9	22.0
8 19	23 57.43	+ 7 24.5	2.003	2.878	12.2	21.7
8 29	23 52.48	+ 6 26.8	1.920	2.863	8.8	21.5
9 8	23 46.00	+ 5 11.1	1.862	2.848	5.1	21.3
9 18	23 38.64	+ 3 41.6	1.831	2.833	2.0	21.0
9 28	23 31.24	+ 2 5.1	1.829	2.817	4.2	21.1
10 8	23 24.66	+ 0 29.8	1.855	2.802	8.1	21.3
10 18	23 19.64	− 0 56.9	1.907	2.786	11.7	21.5

430242 2013 WP_{9} 9 17.1 54°.65 3°.8/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.37	+ 8 56.6	1.506	2.307	19.2	21.0
8 19	0 1.11	+ 9 6.6	1.433	2.313	15.8	20.8
8 29	23 55.26	+ 8 54.1	1.377	2.318	11.8	20.5
9 8	23 47.41	+ 8 19.8	1.343	2.325	7.4	20.3
9 18	23 38.51	+ 7 27.2	1.334	2.331	4.0	20.1
9 28	23 29.77	+ 6 23.0	1.350	2.337	5.5	20.2
10 8	23 22.39	+ 5 16.1	1.391	2.344	9.6	20.5
10 18	23 17.24	+ 4 15.0	1.456	2.351	13.6	20.8

233626 2007 TO_{393} 9 17.1 307°.28 4°.5/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.43	−11 6.5	1.796	2.647	14.5	20.1
8 19	23 59.97	−12 5.8	1.723	2.643	11.3	19.9
8 29	23 54.26	−13 11.7	1.671	2.640	7.8	19.7
9 8	23 46.86	−14 16.9	1.645	2.636	5.0	19.5
9 18	23 38.57	−15 14.0	1.645	2.633	5.1	19.5
9 28	23 30.43	−15 55.9	1.672	2.630	8.0	19.7
10 8	23 23.42	−16 18.2	1.723	2.627	11.5	19.9
10 18	23 18.31	−16 19.4	1.797	2.624	14.7	20.1

143423 2003 BL_{56} 9 17.1 278°.69 6°.2/ 9.5 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.90	−15 47.4	2.016	2.871	13.0	20.0
8 19	23 57.88	−17 24.5	1.940	2.860	10.3	19.8
8 29	23 52.80	−19 5.8	1.888	2.848	7.7	19.6
9 8	23 46.16	−20 43.2	1.861	2.837	6.2	19.5
9 18	23 38.64	−22 7.8	1.862	2.826	7.1	19.5
9 28	23 31.17	−23 12.3	1.889	2.814	9.5	19.7
10 8	23 24.66	−23 52.2	1.940	2.803	12.4	19.8
10 18	23 19.84	−24 6.6	2.012	2.792	15.0	20.0

515693 2014 QF_{54} 9 17.1 108°.84 1°.4/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.43	+ 5 6.6	2.419	3.208	13.1	21.7
8 19	23 57.72	+ 4 47.7	2.339	3.218	10.5	21.6
8 29	23 52.36	+ 4 15.3	2.281	3.227	7.5	21.4
9 8	23 45.82	+ 3 31.5	2.248	3.236	4.2	21.2
9 18	23 38.68	+ 2 39.8	2.243	3.245	1.4	21.0
9 28	23 31.67	+ 1 45.0	2.267	3.254	3.6	21.2
10 8	23 25.47	+ 0 52.2	2.319	3.263	6.8	21.4
10 18	23 20.64	+ 0 5.9	2.398	3.272	9.8	21.6

297158 2010 UW_{99} 9 17.1 269°.21 2°.4/22.0 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 55.13	+12 13.7	4.433	5.163	8.4	20.9
8 19	23 52.14	+12 12.1	4.330	5.160	7.0	20.8
8 29	23 48.27	+12 1.0	4.249	5.157	5.4	20.6
9 8	23 43.75	+11 41.0	4.193	5.153	3.8	20.5
9 18	23 38.90	+11 13.3	4.166	5.150	2.5	20.4
9 28	23 34.06	+10 39.7	4.169	5.147	2.7	20.4
10 8	23 29.60	+10 2.6	4.201	5.143	4.1	20.5
10 18	23 25.82	+ 9 24.7	4.261	5.140	5.7	20.7

13935 1989 EE 9 17.1 252°.48 1°.9/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 59.83	− 3 44.6	2.826	3.644	10.7	19.4
8 19	23 56.41	− 5 8.5	2.721	3.625	8.3	19.2
8 29	23 51.50	− 6 43.5	2.640	3.605	5.6	19.0
9 8	23 45.45	− 8 25.2	2.589	3.585	2.8	18.8
9 18	23 38.73	−10 7.7	2.567	3.565	2.3	18.8
9 28	23 31.95	−11 44.6	2.577	3.544	5.0	18.9
10 8	23 25.76	−13 10.3	2.616	3.522	7.9	19.1
10 18	23 20.70	−14 20.8	2.682	3.501	10.6	19.2

432285 2009 SM_{209} 9 17.1 249°.37 0°.1/17.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 55.31	− 0 1.5	4.415	5.209	7.5	21.8
8 19	23 52.24	− 0 17.6	4.321	5.207	5.9	21.6
8 29	23 48.31	− 0 39.4	4.252	5.206	4.0	21.5
9 8	23 43.77	− 1 5.2	4.210	5.204	2.0	21.3
9 18	23 38.91	− 1 33.3	4.198	5.202	0.2	21.2
9 28	23 34.09	− 2 1.4	4.216	5.201	2.3	21.4
10 8	23 29.64	− 2 27.4	4.264	5.199	4.3	21.5
10 18	23 25.87	− 2 49.3	4.339	5.197	6.1	21.6

161034 2002 GT_{93} 9 17.1 67°.12 2°.6/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 13.02	− 9 2.5	1.652	2.486	16.3	19.6
8 19	0 7.38	− 9 2.9	1.590	2.500	12.7	19.4
8 29	23 59.20	− 9 8.3	1.549	2.515	8.6	19.2
9 8	23 49.19	− 9 13.8	1.533	2.529	4.4	19.0
9 18	23 38.38	− 9 14.8	1.544	2.544	2.9	19.0
9 28	23 27.99	− 9 6.9	1.583	2.558	6.5	19.2
10 8	23 19.13	− 8 47.6	1.648	2.573	10.5	19.5
10 18	23 12.56	− 8 16.4	1.736	2.588	14.0	19.8

358232 2006 SE_{293} 9 17.1 302°.94 1°.8/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.30	+ 4 30.2	1.898	2.704	15.6	21.5
8 19	23 59.06	+ 4 26.2	1.806	2.695	12.6	21.3
8 29	23 53.67	+ 4 6.1	1.735	2.686	9.0	21.0
9 8	23 46.62	+ 3 31.8	1.687	2.677	5.1	20.8
9 18	23 38.62	+ 2 46.8	1.665	2.668	1.8	20.6
9 28	23 30.63	+ 1 56.4	1.671	2.660	4.5	20.7
10 8	23 23.60	+ 1 7.2	1.704	2.651	8.6	21.0
10 18	23 18.33	+ 0 25.1	1.761	2.643	12.3	21.2

135993 2002 VP_{2} 9 17.1 341°.46 2°.0/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.08	+ 4 40.9	1.788	2.596	16.3	19.8
8 19	23 59.75	+ 4 44.3	1.704	2.593	13.2	19.6
8 29	23 54.17	+ 4 31.4	1.639	2.590	9.5	19.4
9 8	23 46.86	+ 4 3.8	1.598	2.587	5.4	19.1
9 18	23 38.61	+ 3 24.8	1.583	2.585	2.1	18.9
9 28	23 30.41	+ 2 39.9	1.594	2.583	4.6	19.1
10 8	23 23.30	+ 1 55.7	1.632	2.581	8.8	19.3
10 18	23 18.05	+ 1 18.0	1.695	2.580	12.6	19.5

404551 2013 JE_{35} 9 17.1 136°.99 5°.7/ 8.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.71	−20 29.4	2.745	3.584	10.4	21.4
8 19	23 58.55	−21 47.1	2.689	3.595	8.4	21.3
8 29	23 52.84	−23 3.0	2.659	3.605	6.5	21.2
9 8	23 46.03	−24 11.1	2.655	3.615	5.7	21.2
9 18	23 38.71	−25 6.2	2.679	3.624	6.3	21.2
9 28	23 31.54	−25 44.2	2.731	3.633	7.9	21.3
10 8	23 25.18	−26 3.2	2.808	3.642	9.9	21.5
10 18	23 20.15	−26 3.4	2.907	3.650	11.7	21.6

299685 2006 QQ_{93} 9 17.1 61°.89 0°.5/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.61	+ 3 38.7	1.825	2.640	15.8	20.5
8 19	23 57.64	+ 2 53.8	1.751	2.648	12.5	20.3
8 29	23 52.61	+ 1 51.0	1.698	2.655	8.7	20.1
9 8	23 46.05	+ 0 34.2	1.669	2.663	4.4	19.8
9 18	23 38.71	− 0 50.3	1.667	2.671	0.5	19.5
9 28	23 31.54	− 2 14.6	1.692	2.679	4.6	19.9
10 8	23 25.44	− 3 30.9	1.745	2.688	8.8	20.2
10 18	23 21.08	− 4 33.3	1.822	2.696	12.4	20.4

2456 Palamedes 9 17.1 302°.67 1°.8/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 57.02	+ 7 49.5	4.205	4.960	8.5	16.5
8 19	23 53.65	+ 7 54.8	4.102	4.954	6.9	16.4
8 29	23 49.31	+ 7 51.9	4.022	4.949	5.2	16.2
9 8	23 44.29	+ 7 41.6	3.969	4.944	3.3	16.1
9 18	23 38.89	+ 7 25.1	3.945	4.939	1.9	16.0
9 28	23 33.51	+ 7 4.2	3.950	4.934	2.5	16.0
10 8	23 28.51	+ 6 41.1	3.985	4.929	4.3	16.1
10 18	23 24.26	+ 6 18.3	4.049	4.924	6.1	16.3

289423 2005 EX_{8} 9 17.1 39°.92 5°.6/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 8.69	+10 35.1	1.656	2.433	18.7	20.1
8 19	0 4.33	+11 34.1	1.581	2.441	15.6	19.9
8 29	23 57.39	+12 14.5	1.524	2.449	12.1	19.7
9 8	23 48.46	+12 34.7	1.490	2.457	8.5	19.5
9 18	23 38.47	+12 34.7	1.480	2.466	5.9	19.4
9 28	23 28.61	+12 17.6	1.496	2.475	6.4	19.4
10 8	23 20.07	+11 49.5	1.539	2.484	9.5	19.6
10 18	23 13.73	+11 17.4	1.605	2.494	12.9	19.9

409698 2006 BN_{46} 9 17.1 209°.18 3°.6/20.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.28	+ 9 41.8	2.517	3.272	13.5	21.8
8 19	0 0.79	+10 10.4	2.422	3.271	11.2	21.6
8 29	23 54.55	+10 25.9	2.348	3.269	8.6	21.4
9 8	23 46.96	+10 27.8	2.299	3.268	5.8	21.2
9 18	23 38.64	+10 17.4	2.277	3.266	3.7	21.1
9 28	23 30.32	+ 9 57.0	2.284	3.265	4.4	21.1
10 8	23 22.79	+ 9 30.7	2.320	3.263	6.9	21.3
10 18	23 16.66	+ 9 2.8	2.382	3.261	9.7	21.5

206594 2003 WY_{37} 9 17.1 323°.83 1°.9/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.69	− 6 4.9	1.698	2.536	15.8	19.8
8 19	0 2.69	− 6 15.3	1.617	2.530	12.4	19.6
8 29	23 56.24	− 6 34.2	1.557	2.524	8.4	19.4
9 8	23 47.90	− 6 57.2	1.521	2.519	4.1	19.1
9 18	23 38.54	− 7 19.1	1.512	2.514	2.2	19.0
9 28	23 29.30	− 7 34.4	1.529	2.509	6.2	19.2
10 8	23 21.27	− 7 38.6	1.572	2.504	10.4	19.4
10 18	23 15.31	− 7 29.2	1.638	2.499	14.2	19.7

4181 Kivi 9 17.1 230°.89 2°.7/13.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 1.78	− 4 53.7	2.047	2.881	13.6	17.1
8 19	23 58.47	− 6 12.1	1.960	2.872	10.6	16.9
8 29	23 53.18	− 7 43.2	1.896	2.864	7.1	16.7
9 8	23 46.36	− 9 20.7	1.858	2.855	3.7	16.5
9 18	23 38.69	−10 57.1	1.848	2.845	3.2	16.4
9 28	23 31.05	−12 24.1	1.868	2.835	6.5	16.6
10 8	23 24.31	−13 35.1	1.914	2.825	10.1	16.8
10 18	23 19.19	−14 26.1	1.984	2.815	13.4	17.0

232504 2003 QU_{37} 9 17.1 50°.74 1°.7/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.13	+ 3 41.3	1.630	2.445	17.4	20.1
8 19	0 1.44	+ 3 43.9	1.558	2.452	14.0	19.9
8 29	23 55.34	+ 3 29.7	1.506	2.460	9.9	19.7
9 8	23 47.43	+ 3 0.9	1.477	2.468	5.4	19.5
9 18	23 38.60	+ 2 21.6	1.473	2.477	1.8	19.2
9 28	23 29.97	+ 1 38.0	1.497	2.485	4.9	19.5
10 8	23 22.61	+ 0 56.8	1.546	2.494	9.2	19.7
10 18	23 17.32	+ 0 23.7	1.619	2.503	13.1	20.0

43526 2001 DD_{37} 9 17.1 21°.53 1°.1/16.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.13	− 1 12.3	1.551	2.393	16.9	18.9
8 19	23 58.44	− 1 55.2	1.482	2.396	13.2	18.7
8 29	23 53.36	− 2 54.1	1.432	2.400	8.9	18.5
9 8	23 46.49	− 4 3.4	1.406	2.405	4.2	18.2
9 18	23 38.69	− 5 15.9	1.405	2.409	1.5	18.0
9 28	23 31.08	− 6 22.9	1.431	2.414	6.0	18.4
10 8	23 24.72	− 7 17.0	1.482	2.420	10.4	18.6
10 18	23 20.40	− 7 53.3	1.556	2.426	14.3	18.9

198844 2005 GP_{119} 9 17.1 144°.19 5°.5/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.67	+16 13.7	2.323	3.046	15.4	20.7
8 19	0 1.26	+16 40.1	2.236	3.054	13.1	20.5
8 29	23 54.93	+16 47.8	2.168	3.062	10.5	20.4
9 8	23 47.17	+16 36.1	2.123	3.069	7.8	20.2
9 18	23 38.63	+16 5.6	2.104	3.076	5.8	20.1
9 28	23 30.16	+15 19.5	2.113	3.082	5.7	20.1
10 8	23 22.59	+14 23.2	2.149	3.088	7.6	20.3
10 18	23 16.61	+13 22.9	2.212	3.093	10.2	20.4

267002 3807 $T\text{-}_3$ 9 17.1 313°.09 2°.4/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.04	− 4 56.8	1.357	2.212	18.1	20.1
8 19	0 1.31	− 5 26.9	1.277	2.200	14.2	19.9
8 29	23 55.70	− 6 10.9	1.217	2.188	9.7	19.6
9 8	23 47.80	− 7 3.0	1.178	2.177	4.7	19.3
9 18	23 38.56	− 7 55.2	1.164	2.166	2.8	19.1
9 28	23 29.35	− 8 38.7	1.175	2.155	7.5	19.4
10 8	23 21.55	− 9 6.2	1.209	2.145	12.5	19.6
10 18	23 16.20	− 9 13.6	1.264	2.135	16.9	19.9

12971 4054 $T\text{-}_3$ 9 17.1 33°.06 4°.6/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.16	−13 50.7	1.955	2.801	13.7	17.8
8 19	0 1.02	−14 28.7	1.891	2.807	10.7	17.6
8 29	23 54.80	−15 8.8	1.849	2.814	7.5	17.4
9 8	23 47.08	−15 44.9	1.832	2.820	5.0	17.3
9 18	23 38.65	−16 11.3	1.842	2.827	5.0	17.3
9 28	23 30.48	−16 23.1	1.880	2.834	7.6	17.5
10 8	23 23.45	−16 18.0	1.942	2.842	10.6	17.7
10 18	23 18.22	−15 55.6	2.028	2.849	13.5	17.9

424519 2008 EA_{48} 9 17.1 131°.74 2°.1/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 10.19	− 5 54.4	1.805	2.633	15.4	21.8
8 19	0 5.06	− 6 23.1	1.738	2.645	12.0	21.6
8 29	23 57.61	− 7 0.7	1.692	2.656	8.1	21.4
9 8	23 48.47	− 7 41.9	1.671	2.668	4.0	21.2
9 18	23 38.52	− 8 21.0	1.677	2.678	2.5	21.1
9 28	23 28.85	− 8 51.9	1.712	2.688	6.1	21.4
10 8	23 20.48	− 9 10.3	1.774	2.697	10.0	21.6
10 18	23 14.15	− 9 14.0	1.859	2.706	13.4	21.9

137364 1999 TZ_{118} 9 17.1 23°.76 0°.5/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.55	+ 2 9.0	1.074	1.933	21.5	19.4
8 19	23 58.86	+ 1 48.7	1.019	1.941	17.1	19.2
8 29	23 54.07	+ 1 4.9	0.981	1.950	11.8	18.9
9 8	23 46.95	+ 0 2.6	0.963	1.961	5.9	18.6
9 18	23 38.66	− 1 9.5	0.967	1.972	0.6	18.3
9 28	23 30.75	− 2 20.4	0.995	1.985	6.4	18.8
10 8	23 24.58	− 3 19.5	1.045	1.998	11.9	19.1
10 18	23 21.09	− 3 59.9	1.115	2.013	16.6	19.4

173614 2001 FN_{24} 9 17.1 61°.40 6°.2/20.2 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 23.21	+ 6 57.6	1.373	2.155	21.6	18.6
8 19	0 16.06	+ 8 44.7	1.311	2.176	17.9	18.4
8 29	0 5.54	+10 15.8	1.267	2.197	13.6	18.2
9 8	23 52.46	+11 27.0	1.247	2.219	9.2	18.0
9 18	23 38.14	+12 15.5	1.253	2.240	6.3	17.9
9 28	23 24.28	+12 42.5	1.285	2.262	7.5	18.1
10 8	23 12.45	+12 53.2	1.344	2.284	11.1	18.3
10 18	23 3.69	+12 54.7	1.427	2.306	14.9	18.6

161834 2006 XU_{50} 9 17.1 233°.56 1°.4/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 1.80	− 3 39.5	2.245	3.070	12.9	21.1
8 19	23 58.24	− 4 18.5	2.160	3.066	10.0	21.0
8 29	23 52.88	− 5 7.4	2.098	3.063	6.7	20.7
9 8	23 46.18	− 6 2.0	2.061	3.059	3.2	20.5
9 18	23 38.76	− 6 57.3	2.053	3.055	1.7	20.4
9 28	23 31.42	− 7 47.8	2.074	3.051	5.0	20.6
10 8	23 24.92	− 8 28.4	2.121	3.048	8.4	20.8
10 18	23 19.90	− 8 56.0	2.194	3.044	11.6	21.0

196532 2003 OY_{20} 9 17.1 57°.38 3°.1/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.95	− 6 46.5	1.484	2.334	17.1	19.6
8 19	0 2.06	− 7 35.6	1.435	2.356	13.1	19.4
8 29	23 55.67	− 8 34.3	1.407	2.378	8.8	19.2
9 8	23 47.53	− 9 35.3	1.403	2.400	4.5	19.0
9 18	23 38.65	−10 30.7	1.424	2.422	3.6	19.0
9 28	23 30.21	−11 13.0	1.471	2.444	7.2	19.3
10 8	23 23.27	−11 37.7	1.543	2.467	11.2	19.6
10 18	23 18.54	−11 43.0	1.637	2.489	14.7	19.9

391895 2008 UX_{80} 9 17.1 314°.31 0°.8/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.26	− 1 13.0	1.491	2.335	17.3	21.3
8 19	23 58.93	− 1 39.7	1.401	2.317	13.7	21.0
8 29	23 54.00	− 2 23.0	1.332	2.300	9.4	20.8
9 8	23 46.97	− 3 18.9	1.285	2.283	4.5	20.4
9 18	23 38.68	− 4 20.7	1.262	2.266	1.2	20.2
9 28	23 30.32	− 5 20.1	1.265	2.250	6.2	20.5
10 8	23 23.15	− 6 8.6	1.293	2.235	11.2	20.7
10 18	23 18.16	− 6 40.5	1.342	2.220	15.7	20.9

196761 2003 SL_{162} 9 17.1 339°.07 0°.6/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 59.68	+ 1 19.6	1.904	2.727	14.9	19.8
8 19	23 56.99	+ 1 7.3	1.815	2.717	11.9	19.6
8 29	23 52.26	+ 0 41.2	1.747	2.707	8.3	19.3
9 8	23 45.96	+ 0 3.7	1.703	2.698	4.2	19.1
9 18	23 38.79	− 0 40.8	1.685	2.690	0.6	18.8
9 28	23 31.64	− 1 26.8	1.695	2.682	4.5	19.1
10 8	23 25.43	− 2 8.1	1.730	2.675	8.6	19.3
10 18	23 20.89	− 2 39.8	1.790	2.669	12.3	19.5

446189 2013 FA_{20} 9 17.1 85°.63 1°.4/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.03	− 3 47.5	2.176	3.003	13.2	20.9
8 19	23 58.41	− 4 25.3	2.101	3.008	10.2	20.8
8 29	23 52.97	− 5 12.5	2.048	3.013	6.9	20.6
9 8	23 46.21	− 6 5.1	2.021	3.019	3.3	20.4
9 18	23 38.79	− 6 57.8	2.022	3.024	1.7	20.2
9 28	23 31.51	− 7 45.0	2.052	3.030	5.0	20.5
10 8	23 25.15	− 8 22.3	2.108	3.035	8.4	20.7
10 18	23 20.30	− 8 46.4	2.190	3.041	11.5	20.9

450270 2004 AE 9 17.1 247°.55 21°.4/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 28.29	+25 13.0	1.094	1.805	29.8	23.4
8 19	0 23.94	+28 31.1	0.994	1.780	27.8	23.1
8 29	0 14.21	+31 37.8	0.907	1.752	25.3	22.8
9 8	23 58.54	+34 17.1	0.835	1.722	23.0	22.5
9 18	23 37.42	+36 6.8	0.780	1.689	21.5	22.2
9 28	23 13.18	+36 46.9	0.744	1.654	21.9	22.1
10 8	22 49.68	+36 12.5	0.727	1.616	24.3	22.1
10 18	22 30.68	+34 37.7	0.726	1.576	28.2	22.1

106908 2000 YX_{48} 9 17.1 143°.94 0°.5/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.17	+ 2 3.3	2.315	3.112	13.4	20.7
8 19	0 0.70	+ 1 36.8	2.237	3.123	10.6	20.5
8 29	23 54.46	+ 0 57.7	2.180	3.134	7.3	20.3
9 8	23 46.92	+ 0 9.1	2.150	3.143	3.7	20.1
9 18	23 38.74	− 0 44.8	2.148	3.153	0.5	19.9
9 28	23 30.70	− 1 39.0	2.176	3.161	3.9	20.1
10 8	23 23.58	− 2 28.2	2.232	3.170	7.4	20.4
10 18	23 17.96	− 3 8.3	2.314	3.177	10.5	20.6

325675 2009 TZ_{8} 9 17.1 11°.28 8°.1/10.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 8.03	−24 12.6	1.894	2.741	14.1	19.5
8 19	0 3.42	−24 58.7	1.838	2.743	11.6	19.3
8 29	23 56.51	−25 38.6	1.803	2.746	9.3	19.2
9 8	23 47.94	−26 4.6	1.792	2.750	8.1	19.1
9 18	23 38.65	−26 10.7	1.807	2.754	8.6	19.2
9 28	23 29.72	−25 53.1	1.847	2.758	10.6	19.3
10 8	23 22.13	−25 11.7	1.910	2.764	13.0	19.5
10 18	23 16.58	−24 8.9	1.994	2.769	15.3	19.7

194833 2001 YL_{152} 9 17.1 124°.70 3°.1/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 8.93	− 9 2.1	1.930	2.762	14.4	19.8
8 19	0 3.95	− 9 38.9	1.864	2.774	11.2	19.7
8 29	23 56.79	−10 21.6	1.821	2.786	7.6	19.5
9 8	23 48.08	−11 4.7	1.803	2.798	4.1	19.3
9 18	23 38.64	−11 42.3	1.813	2.809	3.5	19.3
9 28	23 29.48	−12 8.9	1.852	2.819	6.5	19.5
10 8	23 21.53	−12 21.0	1.917	2.829	10.0	19.7
10 18	23 15.47	−12 17.3	2.005	2.839	13.1	19.9

471330 2011 KH_{45} 9 17.1 322.°73 13.°1/ 5.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 8.17	−30 50.5	1.447	2.303	17.1	20.1
8 19	0 4.73	−32 28.1	1.391	2.289	15.0	19.9
8 29	23 58.07	−33 54.6	1.354	2.276	13.5	19.8
9 8	23 48.95	−34 57.0	1.338	2.263	13.2	19.8
9 18	23 38.55	−35 24.5	1.343	2.251	14.3	19.8
9 28	23 28.46	−35 11.1	1.369	2.239	16.4	19.9
10 8	23 20.16	−34 17.5	1.414	2.228	18.8	20.1
10 18	23 14.63	−32 48.9	1.476	2.217	21.2	20.2

172301 2002 TM_{234} 9 17.1 27.°51 8.°4/24.7 18

8 9	0 3.91	+18 2.8	1.576	2.327	20.5	19.0
8 19	0 0.82	+19 6.3	1.506	2.336	17.7	18.9
8 29	23 55.14	+19 44.6	1.451	2.346	14.6	18.7
9 8	23 47.46	+19 54.5	1.417	2.357	11.4	18.5
9 18	23 38.70	+19 35.2	1.404	2.368	8.9	18.4
9 28	23 30.06	+18 50.3	1.415	2.380	8.5	18.4
10 8	23 22.76	+17 47.5	1.451	2.392	10.3	18.6
10 18	23 17.67	+16 36.4	1.510	2.405	13.2	18.8

11288 Okunohosomichi 9 17.1 323.°75 3.°9/12.7 18

8 9	23 59.34	− 8 52.9	1.918	2.769	13.7	17.0
8 19	23 56.71	−10 6.0	1.838	2.760	10.6	16.8
8 29	23 52.06	−11 28.4	1.782	2.752	7.3	16.6
9 8	23 45.88	−12 53.0	1.751	2.744	4.4	16.4
9 18	23 38.85	−14 12.2	1.747	2.737	4.5	16.4
9 28	23 31.89	−15 18.3	1.769	2.729	7.5	16.6
10 8	23 25.89	−16 5.6	1.817	2.722	10.9	16.8
10 18	23 21.56	−16 31.4	1.888	2.716	14.1	16.9

183726 2003 YB_{95} 9 17.1 315.°76 1.°6/15.9 17

8 9	0 1.63	− 2 10.3	1.275	2.132	18.9	20.5
8 19	23 59.64	− 2 44.2	1.194	2.118	15.0	20.2
8 29	23 54.72	− 3 36.6	1.131	2.103	10.2	19.9
9 8	23 47.42	− 4 42.2	1.090	2.089	4.9	19.6
9 18	23 38.70	− 5 52.6	1.072	2.076	2.0	19.4
9 28	23 29.95	− 6 57.6	1.079	2.063	7.3	19.7
10 8	23 22.61	− 7 47.4	1.109	2.051	12.7	19.9
10 18	23 17.77	− 8 16.1	1.159	2.040	17.4	20.2

227214 2005 QU_{177} 9 17.1 9.°59 3.°7/14.5 18

8 9	23 59.69	− 6 23.3	1.080	1.960	19.9	19.7
8 19	23 58.25	− 7 8.2	1.025	1.962	15.5	19.5
8 29	23 53.71	− 8 7.3	0.988	1.965	10.4	19.2
9 8	23 46.83	− 9 11.9	0.971	1.970	5.4	18.9
9 18	23 38.77	−10 11.7	0.976	1.976	4.2	18.9
9 28	23 31.04	−10 56.1	1.005	1.983	8.7	19.2
10 8	23 25.04	−11 18.2	1.055	1.992	13.7	19.5
10 18	23 21.69	−11 15.7	1.124	2.002	18.0	19.8

15602 2000 GA_{108} 9 17.1 242.°51 0.°6/16.5 18

8 9	0 1.80	− 0 29.2	1.991	2.813	14.4	18.0
8 19	23 58.50	− 1 8.7	1.908	2.811	11.3	17.7
8 29	23 53.21	− 2 1.8	1.847	2.809	7.7	17.5
9 8	23 46.41	− 3 4.4	1.810	2.807	3.7	17.3
9 18	23 38.81	− 4 10.9	1.801	2.805	0.9	17.1
9 28	23 31.30	− 5 14.7	1.820	2.803	4.9	17.4
10 8	23 24.74	− 6 9.4	1.866	2.801	8.8	17.6
10 18	23 19.83	− 6 50.7	1.936	2.799	12.3	17.8

289118 2004 TK_{357} 9 17.1 20.°94 7.°5/10.7 18

8 9	0 3.61	−19 2.5	1.551	2.418	15.6	19.4
8 19	0 0.33	−20 4.2	1.505	2.428	12.5	19.3
8 29	23 54.57	−21 3.7	1.479	2.439	9.5	19.1
9 8	23 47.05	−21 52.0	1.476	2.451	7.6	19.0
9 18	23 38.77	−22 21.5	1.498	2.464	8.2	19.1
9 28	23 30.89	−22 26.9	1.544	2.479	10.6	19.3
10 8	23 24.47	−22 7.0	1.613	2.493	13.5	19.5
10 18	23 20.20	−21 23.8	1.702	2.509	16.2	19.7

354230 2002 LR 9 17.1 91.°55 6.°8/ 6.6 16

8 9	0 3.91	−23 18.3	2.637	3.475	10.8	21.3
8 19	23 59.55	−25 13.4	2.605	3.504	8.8	21.2
8 29	23 53.56	−27 3.7	2.600	3.533	7.3	21.1
9 8	23 46.44	−28 41.9	2.622	3.561	6.8	21.2
9 18	23 38.83	−30 2.0	2.672	3.589	7.6	21.3
9 28	23 31.44	−31 0.0	2.748	3.616	9.1	21.4
10 8	23 24.97	−31 34.5	2.849	3.643	10.8	21.6
10 18	23 19.92	−31 46.4	2.971	3.669	12.4	21.7

82564 2001 OY_{79} 9 17.1 260.°76 1.°7/18.9 18

8 9	0 3.05	+ 4 50.0	2.013	2.812	15.1	19.8
8 19	23 59.49	+ 4 42.8	1.925	2.809	12.2	19.6
8 29	23 53.90	+ 4 20.2	1.858	2.807	8.7	19.4
9 8	23 46.77	+ 3 44.0	1.815	2.804	4.9	19.1
9 18	23 38.79	+ 2 57.7	1.799	2.801	1.8	18.9
9 28	23 30.86	+ 2 6.6	1.811	2.799	4.2	19.1
10 8	23 23.88	+ 1 16.7	1.850	2.796	8.1	19.3
10 18	23 18.57	+ 0 33.5	1.914	2.793	11.6	19.6

323212 2003 SN_{30} 9 17.1 284.°22 1.°5/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 58.68	+ 6 30.9	2.398	3.187	13.2	20.8
8 19	23 55.79	+ 5 58.4	2.300	3.178	10.7	20.6
8 29	23 51.23	+ 5 9.8	2.223	3.168	7.7	20.4
9 8	23 45.43	+ 4 7.3	2.171	3.159	4.4	20.2
9 18	23 38.92	+ 2 54.8	2.147	3.149	1.6	20.0
9 28	23 32.41	+ 1 37.7	2.151	3.140	3.7	20.1
10 8	23 26.63	+ 0 22.3	2.184	3.130	7.1	20.3
10 18	23 22.17	− 0 45.9	2.244	3.121	10.3	20.5

376418 2012 GJ_{23} 9 17.1 103.°29 2.°0/18.9 17

8 9	0 9.71	+ 5 0.0	1.674	2.473	17.7	21.3
8 19	0 4.86	+ 4 57.5	1.610	2.493	14.2	21.1
8 29	23 57.57	+ 4 37.4	1.564	2.512	10.1	20.9
9 8	23 48.52	+ 4 1.9	1.543	2.531	5.6	20.7
9 18	23 38.64	+ 3 15.4	1.548	2.550	2.1	20.5
9 28	23 29.08	+ 2 24.2	1.580	2.568	4.8	20.8
10 8	23 20.91	+ 1 35.5	1.640	2.585	9.0	21.0
10 18	23 14.88	+ 0 54.9	1.723	2.602	12.7	21.3

443150 2014 BC_{63} 9 17.1 163.°92 0.°0/17.2 18

8 9	0 7.11	− 0 39.0	2.682	3.476	11.9	22.6
8 19	0 1.97	− 0 51.1	2.596	3.482	9.3	22.4
8 29	23 55.22	− 1 12.0	2.534	3.488	6.4	22.2
9 8	23 47.29	− 1 39.0	2.499	3.494	3.1	22.0
9 18	23 38.76	− 2 9.2	2.493	3.498	0.3	21.8
9 28	23 30.33	− 2 38.9	2.518	3.502	3.7	22.1
10 8	23 22.70	− 3 4.3	2.573	3.505	6.8	22.3
10 18	23 16.42	− 3 22.6	2.654	3.508	9.6	22.5

404397 2013 GV_{52} 9 17.1 97.°05 2.°9/13.9 18

8 9	0 3.27	− 9 4.4	2.277	3.112	12.4	21.3
8 19	23 59.28	− 9 45.6	2.207	3.119	9.6	21.1
8 29	23 53.52	−10 32.2	2.160	3.126	6.5	20.9
9 8	23 46.49	−11 19.4	2.139	3.133	3.6	20.8
9 18	23 38.84	−12 1.9	2.146	3.140	3.2	20.8
9 28	23 31.36	−12 35.0	2.181	3.147	5.9	20.9
10 8	23 24.79	−12 55.2	2.244	3.154	8.9	21.2
10 18	23 19.73	−13 0.8	2.330	3.160	11.7	21.3

220789 2004 TD_{175} 9 17.1 39.°60 0.°4/16.8 18

8 9	0 3.55	− 1 48.1	1.919	2.744	14.7	20.0
8 19	23 59.80	− 2 0.9	1.850	2.755	11.5	19.8
8 29	23 54.03	− 2 24.4	1.802	2.765	7.8	19.6
9 8	23 46.78	− 2 55.3	1.779	2.776	3.7	19.4
9 18	23 38.82	− 3 28.9	1.783	2.788	0.7	19.2
9 28	23 31.07	− 4 0.2	1.815	2.800	4.7	19.5
10 8	23 24.40	− 4 24.5	1.873	2.812	8.6	19.8
10 18	23 19.46	− 4 38.3	1.956	2.824	11.9	20.0

107862 2001 FP_{80} 9 17.1 187.°91 5.°5/26.3 18

8 9	0 0.30	+23 20.3	3.013	3.676	13.2	20.4
8 19	23 56.74	+23 10.7	2.908	3.675	11.6	20.3
8 29	23 51.72	+22 41.6	2.823	3.674	9.7	20.1
9 8	23 45.61	+21 52.3	2.760	3.673	7.7	20.0
9 18	23 38.93	+20 43.8	2.723	3.671	6.0	19.9
9 28	23 32.29	+19 19.2	2.714	3.669	5.5	19.8
10 8	23 26.31	+17 43.7	2.734	3.666	6.5	19.9
10 18	23 21.51	+16 3.3	2.783	3.663	8.4	20.0

446329 2014 FP_{64} 9 17.1 218.°68 8.°5/13.8 15

8 9	0 28.30	−20 8.5	1.200	2.041	20.8	21.1
8 19	0 21.03	−20 25.1	1.129	2.036	17.0	20.8
8 29	0 9.52	−20 36.2	1.076	2.031	12.8	20.6
9 8	23 54.65	−20 30.6	1.046	2.026	9.2	20.3
9 18	23 38.08	−19 58.7	1.040	2.019	8.9	20.3
9 28	23 22.01	−18 55.7	1.060	2.013	12.2	20.5
10 8	23 8.48	−17 24.2	1.104	2.006	16.6	20.7
10 18	22 58.77	−15 31.1	1.169	1.998	20.8	21.0

298042 2002 PR_{191} 9 17.1 34.°38 1.°5/18.3 18

8 9	0 5.37	+ 2 18.0	1.559	2.382	17.7	20.6
8 19	0 1.73	+ 2 27.7	1.492	2.391	14.1	20.4
8 29	23 55.61	+ 2 21.7	1.443	2.400	9.9	20.1
9 8	23 47.64	+ 2 2.4	1.418	2.410	5.3	19.9
9 18	23 38.74	+ 1 33.7	1.417	2.421	1.5	19.7
9 28	23 30.09	+ 1 1.4	1.444	2.432	5.0	19.9
10 8	23 22.77	+ 0 32.0	1.495	2.444	9.4	20.2
10 18	23 17.60	+ 0 10.5	1.570	2.456	13.4	20.5

510173 2011 AM_{56} 9 17.1 276.°75 3.°4/14.2 18

8 9	0 4.01	− 6 12.2	1.549	2.399	16.5	21.9
8 19	0 1.03	− 7 10.9	1.462	2.383	12.9	21.7
8 29	23 55.43	− 8 23.6	1.395	2.366	8.8	21.4
9 8	23 47.71	− 9 43.5	1.352	2.349	4.7	21.1
9 18	23 38.72	−11 1.6	1.335	2.332	3.9	21.0
9 28	23 29.69	−12 8.3	1.343	2.315	7.9	21.2
10 8	23 21.86	−12 55.9	1.376	2.298	12.5	21.4
10 18	23 16.21	−13 20.1	1.431	2.281	16.6	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
354326 2002 WL_3			9 17.1	275°.78	5°.9/23.6	18
	h m	° ′			°	m
8 9	0 1.65	+16 57.4	2.057	2.794	16.7	20.7
8 19	23 58.53	+17 13.8	1.961	2.788	14.3	20.5
8 29	23 53.35	+17 8.4	1.883	2.782	11.6	20.3
9 8	23 46.56	+16 39.8	1.827	2.776	8.6	20.1
9 18	23 38.84	+15 48.8	1.796	2.770	6.3	20.0
9 28	23 31.11	+14 39.5	1.791	2.764	6.2	20.0
10 8	23 24.30	+13 18.8	1.813	2.758	8.3	20.1
10 18	23 19.16	+11 54.6	1.860	2.752	11.3	20.2
6088 Hoshigakubo			9 17.1	176°.55	0°.7/18.1	18
8 9	0 1.29	+ 3 0.4	2.662	3.455	12.0	18.2
8 19	23 57.55	+ 2 35.1	2.573	3.456	9.5	18.1
8 29	23 52.28	+ 1 58.2	2.506	3.457	6.6	17.9
9 8	23 45.89	+ 1 11.9	2.466	3.458	3.5	17.7
9 18	23 38.92	+ 0 19.8	2.454	3.458	0.7	17.5
9 28	23 32.00	− 0 33.7	2.472	3.458	3.4	17.7
10 8	23 25.80	− 1 24.1	2.518	3.458	6.6	17.9
10 18	23 20.83	− 2 7.3	2.591	3.458	9.4	18.1
79727 1998 SJ_{127}			9 17.1	286°.49	4°.6/13.5	18
8 9	0 6.40	−10 19.9	1.523	2.378	16.5	19.5
8 19	0 2.84	−11 8.4	1.447	2.370	12.9	19.2
8 29	23 56.58	−12 4.9	1.392	2.362	8.9	19.0
9 8	23 48.21	−13 2.1	1.360	2.354	5.4	18.8
9 18	23 38.70	−13 51.3	1.354	2.346	5.1	18.7
9 28	23 29.30	−14 24.7	1.373	2.338	8.6	18.9
10 8	23 21.26	−14 37.2	1.416	2.330	12.7	19.1
10 18	23 15.51	−14 27.3	1.480	2.323	16.5	19.4
322240 2011 BH_{137}			9 17.1	82°.86	2°.1/15.4	17
8 9	0 7.59	− 4 27.9	1.550	2.389	17.0	21.0
8 19	0 3.34	− 5 8.4	1.493	2.407	13.2	20.8
8 29	23 56.60	− 6 0.6	1.457	2.425	8.8	20.6
9 8	23 48.07	− 6 58.2	1.445	2.443	4.3	20.4
9 18	23 38.73	− 7 54.0	1.459	2.460	2.5	20.3
9 28	23 29.77	− 8 40.4	1.499	2.478	6.5	20.6
10 8	23 22.26	− 9 12.0	1.566	2.495	10.7	20.9
10 18	23 16.95	− 9 26.1	1.655	2.512	14.3	21.2
122444 2000 QX_{133}			9 17.1	19°.00	3°.8/14.2	18
8 9	0 1.08	− 6 44.1	1.218	2.089	18.7	19.1
8 19	23 58.98	− 7 37.9	1.163	2.095	14.5	18.8
8 29	23 54.03	− 8 44.5	1.126	2.102	9.7	18.6
9 8	23 46.95	− 9 55.2	1.112	2.110	5.1	18.4
9 18	23 38.83	−11 0.1	1.121	2.119	4.3	18.4
9 28	23 31.05	−11 49.5	1.154	2.129	8.4	18.6
10 8	23 24.87	−12 17.1	1.210	2.140	13.0	18.9
10 18	23 21.13	−12 20.6	1.286	2.152	17.0	19.2
202260 2005 AO_{43}			9 17.2	266°.97	10°.0/ 6.4	18
8 9	0 9.05	−27 59.9	1.920	2.761	14.1	19.8
8 19	0 4.61	−29 26.2	1.852	2.746	12.1	19.7
8 29	23 57.61	−30 46.0	1.806	2.731	10.5	19.5
9 8	23 48.66	−31 49.6	1.784	2.715	10.0	19.5
9 18	23 38.67	−32 28.4	1.786	2.700	10.9	19.5
9 28	23 28.82	−32 36.8	1.812	2.684	12.8	19.6
10 8	23 20.27	−32 13.8	1.859	2.668	15.1	19.7
10 18	23 13.88	−31 21.9	1.926	2.651	17.4	19.9
106582 2000 WH_{101}			9 17.2	260°.31	0°.6/16.7	18
8 9	0 6.60	− 1 1.4	1.615	2.444	16.9	20.1
8 19	0 2.99	− 1 25.0	1.522	2.428	13.5	19.8
8 29	23 56.75	− 2 4.2	1.448	2.412	9.3	19.5
9 8	23 48.37	− 2 55.1	1.398	2.395	4.5	19.2
9 18	23 38.70	− 3 51.9	1.374	2.378	0.9	18.9
9 28	23 28.93	− 4 46.8	1.377	2.361	5.9	19.2
10 8	23 20.33	− 5 32.3	1.405	2.344	10.8	19.5
10 18	23 13.89	− 6 2.8	1.457	2.326	15.2	19.7
488312 2016 UP_{74}			9 17.2	71°.72	1°.2/18.3	18
8 9	0 3.33	+ 3 30.2	1.839	2.649	15.9	21.4
8 19	23 59.86	+ 3 14.5	1.759	2.652	12.7	21.2
8 29	23 54.23	+ 2 42.7	1.700	2.654	8.9	21.0
9 8	23 46.96	+ 1 57.4	1.665	2.657	4.8	20.7
9 18	23 38.84	+ 1 3.1	1.655	2.659	1.2	20.5
9 28	23 30.83	+ 0 6.0	1.674	2.662	4.5	20.7
10 8	23 23.90	− 0 46.9	1.719	2.665	8.7	21.0
10 18	23 18.77	− 1 30.4	1.789	2.667	12.4	21.2
1516 Henry			9 17.2	112°.35	3°.3/13.6	18 A
8 9	0 4.97	− 7 55.6	1.992	2.828	13.9	16.4
8 19	0 0.80	− 9 4.1	1.931	2.844	10.7	16.3
8 29	23 54.65	−10 20.2	1.893	2.860	7.2	16.1
9 8	23 47.07	−11 37.5	1.882	2.876	4.0	15.9
9 18	23 38.84	−12 48.7	1.898	2.891	3.8	16.0
9 28	23 30.85	−13 47.4	1.943	2.906	6.7	16.2
10 8	23 23.97	−14 29.0	2.014	2.920	10.0	16.4
10 18	23 18.81	−14 51.7	2.109	2.934	12.9	16.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
91932 1999 VT_{53}			9 17.2	315°.63	2°.8/14.5	18
	h m	° ′			°	m
8 9	0 3.43	− 8 18.4	2.008	2.848	13.6	19.5
8 19	23 59.83	− 8 46.9	1.923	2.837	10.6	19.3
8 29	23 54.17	− 9 22.2	1.859	2.827	7.2	19.0
9 8	23 46.94	− 9 59.6	1.821	2.817	3.9	18.8
9 18	23 38.85	−10 33.5	1.810	2.807	3.1	18.7
9 28	23 30.82	−10 58.6	1.826	2.798	6.2	18.9
10 8	23 23.76	−11 10.9	1.868	2.788	9.8	19.1
10 18	23 18.39	−11 8.1	1.934	2.779	13.1	19.3
187389 2005 UF_{472}			9 17.2	146°.40	4°.0/12.8	18
8 9	0 4.72	−13 5.1	2.293	3.131	12.2	20.5
8 19	0 0.45	−13 48.3	2.221	3.134	9.5	20.3
8 29	23 54.35	−14 34.2	2.173	3.136	6.7	20.2
9 8	23 46.93	−15 17.5	2.150	3.138	4.4	20.0
9 18	23 38.86	−15 53.0	2.156	3.140	4.4	20.0
9 28	23 30.95	−16 15.9	2.189	3.142	6.8	20.2
10 8	23 23.97	−16 23.5	2.249	3.144	9.6	20.4
10 18	23 18.54	−16 15.0	2.333	3.146	12.2	20.6
207353 2005 JA_{91}			9 17.2	188°.93	5°.6/24.5	18
8 9	0 3.33	+19 30.2	2.562	3.261	14.6	21.4
8 19	23 59.38	+19 37.2	2.462	3.260	12.6	21.3
8 29	23 53.68	+19 24.3	2.382	3.258	10.3	21.1
9 8	23 46.65	+18 50.8	2.323	3.256	7.9	21.0
9 18	23 38.89	+17 57.4	2.291	3.254	6.0	20.8
9 28	23 31.14	+16 47.5	2.286	3.251	5.7	20.8
10 8	23 24.17	+15 26.7	2.310	3.247	7.3	20.9
10 18	23 18.59	+14 1.6	2.361	3.243	9.6	21.1
317943 2003 WT_{59}			9 17.2	18°.17	1°.5/18.3	17
8 9	23 56.09	+ 3 49.8	0.863	1.740	24.0	19.2
8 19	23 55.91	+ 3 39.5	0.819	1.749	19.1	19.0
8 29	23 52.36	+ 3 0.3	0.789	1.761	13.4	18.7
9 8	23 46.26	+ 1 57.2	0.777	1.774	7.1	18.4
9 18	23 38.93	+ 0 39.8	0.785	1.790	1.5	18.1
9 28	23 32.06	− 0 38.6	0.815	1.807	6.6	18.5
10 8	23 27.14	− 1 45.2	0.865	1.826	12.4	18.9
10 18	23 25.07	− 2 31.6	0.934	1.847	17.5	19.3
257648 1999 TY_{318}			9 17.2	60°.87	0°.0/17.1	18
8 9	0 1.74	+ 0 21.1	2.129	2.944	13.8	21.5
8 19	23 58.26	− 0 5.0	2.052	2.951	10.9	21.3
8 29	23 52.93	− 0 43.3	1.998	2.957	7.4	21.1
9 8	23 46.27	− 1 30.5	1.968	2.964	3.6	20.9
9 18	23 38.93	− 2 22.0	1.966	2.971	0.3	20.6
9 28	23 31.73	− 3 12.3	1.993	2.978	4.3	20.9
10 8	23 25.44	− 3 56.1	2.047	2.985	7.9	21.2
10 18	23 20.70	− 4 29.6	2.125	2.992	11.2	21.4
393771 2005 GJ_{144}			9 17.2	162°.59	1°.8/19.3	18
8 9	0 0.70	+ 7 45.4	2.049	2.838	15.2	20.8
8 19	23 57.61	+ 7 5.4	1.962	2.839	12.3	20.6
8 29	23 52.61	+ 6 6.0	1.896	2.841	8.9	20.4
9 8	23 46.16	+ 4 49.6	1.855	2.842	5.1	20.1
9 18	23 38.94	+ 3 21.3	1.841	2.843	1.9	19.9
9 28	23 31.80	+ 1 47.9	1.855	2.844	4.1	20.1
10 8	23 25.59	+ 0 17.6	1.898	2.845	7.9	20.3
10 18	23 20.96	− 1 2.9	1.966	2.845	11.4	20.5
396911 2005 BH_{20}			9 17.2	224°.59	1°.7/15.3	18
8 9	0 4.26	− 4 5.8	2.244	3.066	13.0	22.8
8 19	0 0.27	− 4 50.0	2.152	3.056	10.2	22.5
8 29	23 54.37	− 5 44.4	2.082	3.046	6.9	22.3
9 8	23 47.02	− 6 44.7	2.038	3.035	3.3	22.1
9 18	23 38.86	− 7 45.6	2.023	3.024	2.0	22.0
9 28	23 30.71	− 8 41.1	2.037	3.013	5.3	22.2
10 8	23 23.41	− 9 26.0	2.078	3.001	8.8	22.4
10 18	23 17.63	− 9 56.7	2.145	2.988	12.0	22.6
262093 2006 RT_{86}			9 17.2	285°.48	0°.3/17.4	18
8 9	0 3.93	+ 1 28.2	1.526	2.355	17.7	21.3
8 19	0 1.15	+ 1 5.7	1.427	2.332	14.2	21.0
8 29	23 55.67	+ 0 24.1	1.347	2.309	10.0	20.7
9 8	23 47.94	− 0 33.8	1.289	2.285	5.0	20.4
9 18	23 38.77	− 1 42.5	1.257	2.261	0.4	20.0
9 28	23 29.38	− 2 53.3	1.250	2.237	5.9	20.3
10 8	23 21.11	− 3 57.0	1.269	2.213	11.2	20.5
10 18	23 15.05	− 4 46.1	1.310	2.189	15.9	20.8
150364 2000 CN_9			9 17.2	223°.33	1°.8/18.8	18
8 9	0 6.63	+ 5 7.0	1.956	2.749	15.7	21.2
8 19	0 2.49	+ 4 56.7	1.859	2.739	12.7	21.0
8 29	23 56.11	+ 4 29.8	1.783	2.729	9.1	20.7
9 8	23 47.96	+ 3 47.9	1.730	2.719	5.2	20.5
9 18	23 38.78	+ 2 54.6	1.705	2.707	1.8	20.2
9 28	23 29.57	+ 1 55.6	1.708	2.696	4.5	20.4
10 8	23 21.33	+ 0 57.8	1.739	2.683	8.7	20.6
10 18	23 14.89	+ 0 7.3	1.794	2.670	12.5	20.8

76945 2001 BX_{17} 9 17.2 162.°22 0.°4/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 6.47	− 1 39.5	1.876	2.697	15.2	19.9
8 19	0 2.26	− 1 53.2	1.796	2.698	12.0	19.7
8 29	23 55.85	− 2 18.3	1.738	2.699	8.2	19.4
9 8	23 47.77	− 2 51.6	1.704	2.700	3.9	19.2
9 18	23 38.81	− 3 28.3	1.697	2.701	0.7	18.9
9 28	23 29.99	− 4 2.8	1.718	2.702	5.0	19.3
10 8	23 22.26	− 4 30.0	1.766	2.703	9.1	19.5
10 18	23 16.40	− 4 46.1	1.838	2.703	12.7	19.7

137628 1999 VH_{222} 9 17.2 65.°46 0.°8/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 8.15	+ 2 6.5	1.327	2.157	19.8	20.7
8 19	0 4.15	+ 1 54.0	1.274	2.178	15.7	20.5
8 29	23 57.34	+ 1 22.5	1.239	2.200	10.8	20.3
9 8	23 48.50	+ 0 36.3	1.226	2.221	5.5	20.0
9 18	23 38.76	− 0 18.1	1.238	2.242	0.8	19.8
9 28	23 29.48	− 1 12.3	1.276	2.264	5.6	20.2
10 8	23 21.88	− 1 58.5	1.338	2.285	10.4	20.5
10 18	23 16.77	− 2 31.1	1.424	2.307	14.6	20.8

401277 2012 CG_{41} 9 17.2 327.°18 3.°9/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.38	+ 9 8.4	2.072	2.846	15.5	20.2
8 19	0 0.58	+ 9 38.9	1.979	2.840	12.9	20.0
8 29	23 54.72	+ 9 53.9	1.906	2.835	9.8	19.8
9 8	23 47.25	+ 9 53.2	1.857	2.830	6.5	19.6
9 18	23 38.86	+ 9 37.9	1.834	2.825	4.1	19.4
9 28	23 30.47	+ 9 11.2	1.838	2.821	4.9	19.5
10 8	23 22.99	+ 8 38.2	1.869	2.816	7.9	19.7
10 18	23 17.18	+ 8 4.3	1.926	2.812	11.2	19.9

178622 2000 FY_{38} 9 17.2 100.°24 2.°4/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.41	− 6 52.9	2.046	2.877	13.7	20.4
8 19	0 1.11	− 7 33.0	1.981	2.891	10.6	20.3
8 29	23 54.85	− 8 20.4	1.938	2.904	7.1	20.1
9 8	23 47.19	− 9 10.1	1.921	2.917	3.6	19.9
9 18	23 38.88	− 9 56.5	1.932	2.930	2.8	19.9
9 28	23 30.80	−10 34.1	1.971	2.943	5.8	20.1
10 8	23 23.79	−10 58.9	2.037	2.956	9.2	20.3
10 18	23 18.48	−11 8.8	2.128	2.968	12.2	20.5

261512 2005 WJ_{58} 9 17.2 288.°25 0.°4/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.47	+ 1 29.9	2.370	3.171	13.0	22.0
8 19	23 59.78	+ 1 11.9	2.248	3.136	10.5	21.8
8 29	23 54.19	+ 0 41.2	2.147	3.101	7.4	21.6
9 8	23 47.04	− 0 0.1	2.071	3.065	3.8	21.3
9 18	23 38.89	− 0 48.6	2.024	3.029	0.5	20.9
9 28	23 30.53	− 1 39.6	2.006	2.992	4.2	21.2
10 8	23 22.80	− 2 27.6	2.016	2.955	8.0	21.3
10 18	23 16.47	− 3 7.7	2.052	2.917	11.6	21.5

55352 2001 SD_{150} 9 17.2 26.°33 2.°5/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.35	+ 5 26.9	1.457	2.275	18.9	19.4
8 19	0 1.25	+ 5 32.2	1.384	2.278	15.4	19.1
8 29	23 55.51	+ 5 17.3	1.330	2.282	11.1	18.9
9 8	23 47.73	+ 4 44.0	1.297	2.286	6.4	18.6
9 18	23 38.85	+ 3 56.3	1.288	2.290	2.6	18.4
9 28	23 30.14	+ 3 1.5	1.305	2.295	5.3	18.6
10 8	23 22.79	+ 2 7.9	1.347	2.300	9.9	18.9
10 18	23 17.71	+ 1 22.6	1.413	2.305	14.1	19.2

125320 2001 VD_{39} 9 17.2 234.°22 0.°7/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.48	− 1 30.5	1.831	2.654	15.4	20.7
8 19	0 1.66	− 1 58.0	1.744	2.648	12.2	20.5
8 29	23 55.57	− 2 38.7	1.678	2.641	8.3	20.2
9 8	23 47.71	− 3 28.7	1.636	2.633	4.0	19.9
9 18	23 38.86	− 4 22.6	1.622	2.626	1.0	19.7
9 28	23 30.05	− 5 13.6	1.635	2.618	5.4	20.0
10 8	23 22.31	− 5 55.5	1.674	2.610	9.6	20.2
10 18	23 16.44	− 6 23.8	1.738	2.602	13.4	20.5

84678 2002 VW_{88} 9 17.2 291.°63 0.°4/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.39	− 1 43.5	1.902	2.726	14.9	20.3
8 19	0 0.80	− 1 55.8	1.807	2.710	11.8	20.1
8 29	23 55.00	− 2 19.8	1.733	2.695	8.1	19.8
9 8	23 47.45	− 2 52.3	1.683	2.680	3.9	19.5
9 18	23 38.88	− 3 29.0	1.660	2.664	0.7	19.3
9 28	23 30.27	− 4 4.2	1.665	2.649	5.1	19.5
10 8	23 22.63	− 4 32.4	1.696	2.634	9.3	19.8
10 18	23 16.78	− 4 49.5	1.751	2.619	13.1	20.0

514458 2016 UV_{92} 9 17.2 74.°71 1.°3/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.27	+ 4 37.4	1.835	2.643	16.0	21.7
8 19	23 59.06	+ 4 12.3	1.755	2.646	12.8	21.5
8 29	23 53.72	+ 3 29.6	1.695	2.648	9.1	21.3
9 8	23 46.76	+ 2 31.8	1.659	2.651	4.9	21.0
9 18	23 38.96	+ 1 24.1	1.649	2.653	1.3	20.8
9 28	23 31.26	+ 0 13.4	1.667	2.656	4.5	21.0
10 8	23 24.61	− 0 53.0	1.712	2.658	8.6	21.3
10 18	23 19.75	− 1 48.8	1.781	2.661	12.3	21.5

509241 2006 TX_{81} 9 17.2 311.°73 0.°7/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 5.86	− 2 38.1	1.325	2.173	18.8	21.5
8 19	0 2.99	− 2 37.6	1.239	2.156	15.0	21.2
8 29	23 57.09	− 2 51.0	1.171	2.139	10.4	20.9
9 8	23 48.69	− 3 14.7	1.125	2.123	5.1	20.5
9 18	23 38.76	− 3 43.3	1.103	2.107	1.0	20.2
9 28	23 28.74	− 4 9.2	1.105	2.092	6.6	20.5
10 8	23 20.13	− 4 25.7	1.131	2.077	12.1	20.8
10 18	23 14.07	− 4 27.7	1.178	2.063	16.9	21.0

164367 2005 EB_{46} 9 17.2 305.°70 3.°8/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 9.06	+ 6 30.1	1.794	2.582	17.0	19.6
8 19	0 4.63	+ 7 14.7	1.703	2.576	14.1	19.4
8 29	23 57.71	+ 7 45.0	1.632	2.570	10.5	19.2
9 8	23 48.81	+ 8 0.3	1.584	2.564	6.7	18.9
9 18	23 38.77	+ 8 1.2	1.562	2.558	3.9	18.8
9 28	23 28.70	+ 7 50.9	1.568	2.552	5.3	18.8
10 8	23 19.74	+ 7 34.3	1.600	2.547	9.1	19.1
10 18	23 12.81	+ 7 16.9	1.656	2.541	12.8	19.3

403707 2010 VY_{172} 9 17.2 179.°12 4.°6/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.32	−14 54.5	2.388	3.229	11.7	21.3
8 19	23 59.34	−15 48.3	2.316	3.229	9.2	21.2
8 29	23 53.62	−16 43.8	2.269	3.230	6.6	21.0
9 8	23 46.62	−17 35.6	2.247	3.230	4.7	20.9
9 18	23 38.99	−18 18.1	2.253	3.230	5.1	20.9
9 28	23 31.49	−18 46.7	2.287	3.230	7.2	21.1
10 8	23 24.86	−18 58.6	2.347	3.229	9.8	21.2
10 18	23 19.70	−18 53.1	2.431	3.229	12.2	21.4

95430 2002 CW_{238} 9 17.2 72.°47 0.°8/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.43	+ 3 21.3	2.159	2.963	14.0	19.8
8 19	23 57.99	+ 2 54.9	2.084	2.974	11.1	19.7
8 29	23 52.75	+ 2 14.4	2.031	2.985	7.8	19.5
9 8	23 46.21	+ 1 22.7	2.003	2.996	4.1	19.3
9 18	23 39.03	+ 0 24.2	2.002	3.007	0.8	19.0
9 28	23 31.99	− 0 35.4	2.030	3.018	3.9	19.3
10 8	23 25.87	− 1 30.5	2.086	3.029	7.5	19.5
10 18	23 21.26	− 2 16.3	2.167	3.040	10.7	19.8

107760 2001 FG_{38} 9 17.2 225.°69 2.°0/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.65	+ 8 26.9	2.134	2.915	14.9	20.6
8 19	23 58.38	+ 7 50.4	2.037	2.908	12.1	20.4
8 29	23 53.18	+ 6 54.2	1.960	2.901	8.9	20.2
9 8	23 46.50	+ 5 40.3	1.908	2.893	5.2	19.9
9 18	23 38.99	+ 4 13.2	1.883	2.884	2.1	19.7
9 28	23 31.48	+ 2 39.4	1.888	2.876	4.1	19.8
10 8	23 24.83	+ 1 6.8	1.920	2.867	7.8	20.1
10 18	23 19.73	− 0 17.6	1.979	2.857	11.3	20.3

14809 1981 ES_{28} 9 17.2 222.°94 0.°6/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 8.11	− 1 58.6	1.879	2.697	15.3	18.9
8 19	0 3.69	− 2 15.6	1.789	2.690	12.1	18.6
8 29	23 56.94	− 2 44.4	1.721	2.682	8.3	18.4
9 8	23 48.39	− 3 21.5	1.677	2.674	4.0	18.1
9 18	23 38.82	− 4 2.1	1.661	2.665	0.9	17.9
9 28	23 29.28	− 4 40.2	1.672	2.656	5.2	18.2
10 8	23 20.80	− 5 10.3	1.711	2.646	9.5	18.4
10 18	23 14.24	− 5 28.5	1.774	2.636	13.3	18.6

252698 2002 CL_{54} 9 17.2 191.°19 0.°4/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 55.14	+ 1 31.4	4.832	5.617	7.1	20.7
8 19	23 52.11	+ 1 17.2	4.736	5.616	5.6	20.6
8 29	23 48.29	+ 0 57.4	4.666	5.615	3.9	20.4
9 8	23 43.91	+ 0 33.3	4.622	5.614	2.0	20.3
9 18	23 39.24	+ 0 6.5	4.609	5.613	0.4	20.1
9 28	23 34.60	− 0 21.0	4.626	5.612	2.0	20.3
10 8	23 30.30	− 0 47.2	4.673	5.611	3.8	20.5
10 18	23 26.61	− 1 10.4	4.748	5.610	5.5	20.6

485784 2012 DZ_{10} 9 17.2 236.°27 4.°3/11.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.41	−13 26.3	2.590	3.429	10.9	21.6
8 19	23 57.83	−14 40.0	2.506	3.419	8.6	21.5
8 29	23 52.61	−15 57.8	2.446	3.408	6.1	21.3
9 8	23 46.16	−17 14.0	2.414	3.397	4.4	21.2
9 18	23 39.04	−18 22.7	2.410	3.385	4.8	21.2
9 28	23 31.93	−19 18.4	2.434	3.373	7.0	21.3
10 8	23 25.55	−19 57.3	2.485	3.361	9.5	21.4
10 18	23 20.48	−20 17.8	2.559	3.348	11.9	21.6

449780 2014 OM_{136} 9 17.2 295.°46 3.°6/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.93	+ 8 50.8	2.192	2.965	14.8	21.3
8 19	0 0.18	+ 9 14.5	2.092	2.953	12.3	21.1
8 29	23 54.44	+ 9 23.3	2.013	2.942	9.3	20.9
9 8	23 47.15	+ 9 17.2	1.957	2.931	6.1	20.7
9 18	23 38.95	+ 8 57.4	1.927	2.920	3.7	20.5
9 28	23 30.69	+ 8 27.1	1.925	2.909	4.6	20.5
10 8	23 23.26	+ 7 51.3	1.951	2.898	7.7	20.7
10 18	23 17.39	+ 7 15.2	2.003	2.887	10.9	20.9

187329 2005 UK_{80} 9 17.2 281°.61 1°.6/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 59.78	+ 6 23.5	2.202	2.995	14.1	20.1
8 19	23 56.85	+ 5 54.5	2.106	2.986	11.4	19.9
8 29	23 52.10	+ 5 8.6	2.031	2.977	8.2	19.7
9 8	23 45.97	+ 4 7.8	1.980	2.968	4.7	19.4
9 18	23 39.06	+ 2 56.2	1.957	2.959	1.7	19.2
9 28	23 32.15	+ 1 39.6	1.962	2.951	3.9	19.4
10 8	23 26.05	+ 0 24.7	1.995	2.942	7.6	19.6
10 18	23 21.40	− 0 42.3	2.054	2.933	11.0	19.8

304219 2006 QT_{147} 9 17.2 104°.30 1°.0/15.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.99	− 0 15.8	2.112	2.929	13.9	21.3
8 19	23 58.42	− 1 21.5	2.043	2.944	10.8	21.2
8 29	23 53.04	− 2 40.5	1.996	2.959	7.2	21.0
9 8	23 46.36	− 4 7.8	1.976	2.973	3.4	20.8
9 18	23 39.04	− 5 36.8	1.984	2.988	1.3	20.6
9 28	23 31.90	− 7 0.4	2.022	3.002	4.9	20.9
10 8	23 25.72	− 8 12.3	2.087	3.015	8.4	21.2
10 18	23 21.08	− 9 8.4	2.177	3.028	11.6	21.4

350291 2012 TW_{294} 9 17.2 326°.46 3°.9/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.72	− 9 42.7	1.535	2.389	16.4	20.1
8 19	0 2.31	−10 12.6	1.457	2.379	12.9	19.9
8 29	23 56.25	−10 49.9	1.400	2.371	8.8	19.6
9 8	23 48.12	−11 28.0	1.367	2.362	5.0	19.4
9 18	23 38.87	−11 59.8	1.358	2.354	4.3	19.3
9 28	23 29.73	−12 18.5	1.375	2.347	7.9	19.5
10 8	23 21.91	−12 19.4	1.417	2.339	12.1	19.7
10 18	23 16.33	−12 1.1	1.480	2.333	15.9	20.0

379632 2011 DH_{22} 9 17.2 236°.94 0°.9/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.35	− 1 20.3	1.784	2.609	15.7	22.1
8 19	0 1.66	− 1 54.8	1.696	2.601	12.4	21.9
8 29	23 55.64	− 2 43.8	1.628	2.592	8.5	21.6
9 8	23 47.79	− 3 42.9	1.585	2.582	4.1	21.3
9 18	23 38.90	− 4 46.2	1.568	2.572	1.2	21.1
9 28	23 30.02	− 5 46.3	1.580	2.562	5.6	21.4
10 8	23 22.22	− 6 36.3	1.617	2.552	10.0	21.6
10 18	23 16.33	− 7 11.2	1.679	2.541	13.9	21.8

195896 2002 RY_{34} 9 17.2 354°.45 3°.0/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.99	+ 7 1.8	1.780	2.577	16.8	20.0
8 19	0 0.56	+ 7 14.7	1.697	2.576	13.8	19.8
8 29	23 54.86	+ 7 10.0	1.632	2.575	10.2	19.6
9 8	23 47.39	+ 6 48.4	1.591	2.574	6.2	19.3
9 18	23 38.95	+ 6 12.8	1.575	2.573	3.2	19.2
9 28	23 30.57	+ 5 28.1	1.586	2.573	4.8	19.3
10 8	23 23.28	+ 4 41.0	1.623	2.573	8.7	19.5
10 18	23 17.90	+ 3 57.9	1.684	2.573	12.4	19.7

246426 2007 VA_{54} 9 17.2 70°.57 2°.2/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.17	− 4 56.2	1.843	2.680	14.8	20.4
8 19	23 59.68	− 5 43.7	1.773	2.687	11.5	20.2
8 29	23 54.08	− 6 41.8	1.726	2.693	7.7	20.0
9 8	23 46.93	− 7 44.9	1.703	2.700	3.8	19.8
9 18	23 39.01	− 8 46.4	1.707	2.707	2.6	19.7
9 28	23 31.26	− 9 39.4	1.739	2.714	6.0	19.9
10 8	23 24.62	−10 18.6	1.796	2.721	9.8	20.2
10 18	23 19.77	−10 40.9	1.878	2.728	13.2	20.4

437928 2002 PM_{123} 9 17.2 57°.77 6°.5/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.65	+14 54.4	1.787	2.538	18.4	20.7
8 19	0 2.65	+15 43.2	1.711	2.549	15.6	20.6
8 29	23 56.27	+16 10.7	1.654	2.559	12.5	20.4
9 8	23 48.07	+16 15.2	1.618	2.570	9.3	20.2
9 18	23 38.90	+15 56.8	1.606	2.581	6.9	20.1
9 28	23 29.85	+15 19.1	1.620	2.592	6.8	20.1
10 8	23 22.00	+14 28.7	1.660	2.603	9.1	20.3
10 18	23 16.17	+13 33.3	1.724	2.614	12.1	20.5

186716 2004 BQ_{93} 9 17.2 246°.03 0°.6/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.58	+ 0 26.1	1.751	2.573	16.1	21.4
8 19	0 1.18	− 0 16.5	1.657	2.560	12.8	21.2
8 29	23 55.40	− 1 16.5	1.585	2.547	8.8	20.9
9 8	23 47.72	− 2 29.7	1.536	2.533	4.2	20.6
9 18	23 38.93	− 3 49.6	1.514	2.518	0.9	20.3
9 28	23 30.08	− 5 8.0	1.520	2.504	5.6	20.7
10 8	23 22.28	− 6 16.6	1.552	2.488	10.2	20.9
10 18	23 16.42	− 7 9.2	1.608	2.473	14.3	21.1

117851 2005 JE_{151} 9 17.2 10°.45 0°.5/18.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 54.25	+ 3 2.1	4.213	4.998	8.0	19.7
8 19	23 51.57	+ 2 31.8	4.119	4.998	6.3	19.6
8 29	23 48.00	+ 1 54.0	4.050	4.999	4.4	19.4
9 8	23 43.81	+ 1 10.4	4.008	5.000	2.3	19.3
9 18	23 39.29	+ 0 23.2	3.996	5.000	0.5	19.1
9 28	23 34.81	− 0 25.0	4.014	5.001	2.2	19.3
10 8	23 30.71	− 1 11.3	4.062	5.002	4.3	19.4
10 18	23 27.31	− 1 53.2	4.138	5.003	6.2	19.6

23440 1986 QH_1 9 17.2 359°.54 2°.2/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.86	+ 3 32.9	2.056	2.851	14.9	18.2
8 19	0 2.46	+ 4 4.7	1.970	2.850	12.1	18.0
8 29	23 55.97	+ 4 24.9	1.904	2.850	8.7	17.8
9 8	23 47.88	+ 4 34.2	1.863	2.849	5.1	17.5
9 18	23 38.93	+ 4 34.3	1.849	2.849	2.3	17.4
9 28	23 30.03	+ 4 28.0	1.863	2.850	4.3	17.5
10 8	23 22.12	+ 4 19.6	1.905	2.851	7.9	17.7
10 18	23 15.93	+ 4 13.0	1.972	2.852	11.3	17.9

218910 2007 EV_{218} 9 17.2 351°.24 0°.5/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.61	+ 2 7.1	2.136	2.947	13.9	21.2
8 19	23 57.47	+ 1 41.6	2.052	2.946	11.1	21.0
8 29	23 52.50	+ 1 2.3	1.988	2.945	7.7	20.8
9 8	23 46.16	+ 0 12.2	1.950	2.944	3.9	20.6
9 18	23 39.08	− 0 44.3	1.939	2.943	0.5	20.3
9 28	23 32.08	− 1 41.6	1.956	2.943	4.1	20.6
10 8	23 25.94	− 2 33.9	2.000	2.942	7.9	20.8
10 18	23 21.31	− 3 16.5	2.070	2.942	11.2	21.0

307986 2004 QT_{26} 9 17.2 6°.65 9°.4/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.17	+ 3 33.4	0.767	1.641	26.5	17.8
8 19	0 4.54	+ 6 40.1	0.721	1.642	22.2	17.5
8 29	23 58.77	+ 9 33.1	0.689	1.646	17.3	17.3
9 8	23 49.66	+12 2.2	0.674	1.655	12.4	17.1
9 18	23 38.77	+13 57.9	0.678	1.667	9.5	17.0
9 28	23 28.32	+15 16.6	0.702	1.683	10.7	17.1
10 8	23 20.33	+16 3.3	0.744	1.702	14.5	17.4
10 18	23 16.10	+16 27.7	0.805	1.724	18.7	17.8

60103 1999 TP_{187} 9 17.2 332°.18 3°.2/20.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.51	+ 6 53.1	2.169	2.946	14.8	19.0
8 19	0 2.13	+ 7 25.0	2.077	2.944	12.2	18.8
8 29	23 55.72	+ 7 43.6	2.007	2.941	9.0	18.6
9 8	23 47.77	+ 7 49.1	1.961	2.939	5.7	18.4
9 18	23 38.95	+ 7 42.6	1.942	2.937	3.3	18.2
9 28	23 30.15	+ 7 27.2	1.951	2.935	4.5	18.3
10 8	23 22.26	+ 7 7.2	1.988	2.934	7.7	18.5
10 18	23 16.00	+ 6 47.0	2.051	2.932	10.9	18.7

132455 2002 HR_5 9 17.2 86°.88 0°.1/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.94	+ 3 55.7	1.858	2.666	15.8	19.7
8 19	23 59.37	+ 2 39.0	1.796	2.690	12.4	19.6
8 29	23 53.77	+ 1 3.9	1.755	2.713	8.4	19.4
9 8	23 46.74	− 0 44.1	1.740	2.735	4.1	19.2
9 18	23 39.06	− 2 36.9	1.753	2.758	0.4	18.9
9 28	23 31.66	− 4 25.4	1.795	2.780	4.8	19.3
10 8	23 25.38	− 6 1.4	1.865	2.801	8.8	19.6
10 18	23 20.84	− 7 19.3	1.960	2.822	12.2	19.8

228143 2009 RE_{50} 9 17.2 317°.54 0°.2/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.08	+ 0 32.5	2.173	2.987	13.6	21.1
8 19	23 57.86	+ 0 13.7	2.082	2.980	10.8	20.9
8 29	23 52.80	− 0 17.3	2.014	2.972	7.4	20.7
9 8	23 46.33	− 0 57.6	1.970	2.965	3.7	20.5
9 18	23 39.09	− 1 43.2	1.953	2.958	0.3	20.2
9 28	23 31.88	− 2 29.0	1.965	2.952	4.2	20.5
10 8	23 25.51	− 3 9.7	2.004	2.945	7.9	20.7
10 18	23 20.63	− 3 41.1	2.068	2.939	11.3	20.9

191103 2002 EF_{42} 9 17.2 271°.38 0°.0/17.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 55.40	− 0 38.0	4.442	5.238	7.5	20.5
8 19	23 52.41	− 0 56.1	4.345	5.233	5.8	20.3
8 29	23 48.56	− 1 19.8	4.273	5.229	4.0	20.2
9 8	23 44.09	− 1 47.3	4.229	5.224	1.9	20.1
9 18	23 39.30	− 2 16.8	4.214	5.219	0.2	19.9
9 28	23 34.53	− 2 46.1	4.230	5.214	2.3	20.1
10 8	23 30.13	− 3 13.0	4.275	5.209	4.3	20.2
10 18	23 26.40	− 3 35.5	4.348	5.205	6.1	20.4

428631 2008 FB_{79} 9 17.2 186°.83 0°.4/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.86	+ 1 44.6	1.826	2.636	16.0	22.5
8 19	0 2.73	+ 1 20.8	1.742	2.636	12.7	22.3
8 29	23 56.29	+ 0 41.3	1.679	2.636	8.8	22.0
9 8	23 48.09	− 0 10.4	1.640	2.635	4.5	21.8
9 18	23 38.94	− 1 9.5	1.628	2.633	0.4	21.5
9 28	23 29.87	− 2 9.0	1.645	2.631	4.9	21.8
10 8	23 21.91	− 3 2.1	1.688	2.628	9.2	22.0
10 18	23 15.86	− 3 43.5	1.756	2.625	13.0	22.3

506077 2015 VX_{41} 9 17.2 318°.64 9°.6/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.91	−30 30.4	2.199	3.037	12.7	21.3
8 19	0 1.02	−31 56.1	2.144	3.030	11.0	21.2
8 29	23 54.99	−33 13.2	2.112	3.025	9.8	21.1
9 8	23 47.39	−34 13.6	2.104	3.019	9.6	21.0
9 18	23 39.01	−34 50.6	2.120	3.013	10.5	21.1
9 28	23 30.83	−35 0.1	2.159	3.008	12.0	21.2
10 8	23 23.77	−34 41.6	2.220	3.003	13.8	21.3
10 18	23 18.54	−33 57.3	2.299	2.997	15.6	21.4

482708 2013 CU_{203} 9 17.2 83°.23 1°.7/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 5.04	− 5 12.5	2.079	2.906	13.7	21.2
8 19	0 0.84	− 5 38.9	2.009	2.916	10.6	21.0
8 29	23 54.72	− 6 13.4	1.962	2.927	7.1	20.8
9 8	23 47.21	− 6 51.7	1.941	2.938	3.5	20.6
9 18	23 39.03	− 7 29.0	1.947	2.948	1.9	20.5
9 28	23 31.05	− 8 0.3	1.981	2.959	5.2	20.8
10 8	23 24.10	− 8 21.4	2.043	2.969	8.7	21.0
10 18	23 18.79	− 8 30.0	2.129	2.980	11.8	21.2

374837 2006 UY_{256} 9 17.2 257°.01 0°.1/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.94	− 0 23.7	1.724	2.543	16.4	22.4
8 19	0 3.93	− 0 35.2	1.627	2.527	13.1	22.1
8 29	23 57.38	− 1 0.8	1.550	2.510	9.1	21.9
9 8	23 48.76	− 1 37.6	1.497	2.493	4.5	21.6
9 18	23 38.88	− 2 20.9	1.470	2.475	0.4	21.2
9 28	23 28.89	− 3 4.1	1.471	2.457	5.4	21.5
10 8	23 19.99	− 3 40.6	1.498	2.438	10.2	21.8
10 18	23 13.15	− 4 5.3	1.549	2.419	14.4	22.0

364099 2005 YH_{175} 9 17.2 99°.73 5°.8/ 9.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.10	−17 44.3	2.303	3.151	11.9	20.3
8 19	23 58.50	−19 0.6	2.241	3.154	9.4	20.2
8 29	23 53.12	−20 17.2	2.202	3.158	7.1	20.0
9 8	23 46.43	−21 27.5	2.189	3.161	5.8	20.0
9 18	23 39.10	−22 24.9	2.204	3.164	6.4	20.0
9 28	23 31.92	−23 4.5	2.245	3.168	8.4	20.1
10 8	23 25.65	−23 23.6	2.311	3.171	10.8	20.3
10 18	23 20.89	−23 22.0	2.400	3.174	13.0	20.5

349175 2007 RB_{57} 9 17.2 90°.28 1°.8/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.15	+ 5 3.7	1.864	2.665	16.0	21.2
8 19	0 0.49	+ 4 54.9	1.786	2.671	12.9	21.1
8 29	23 54.69	+ 4 29.4	1.728	2.677	9.2	20.8
9 8	23 47.28	+ 3 49.4	1.694	2.683	5.2	20.6
9 18	23 39.03	+ 2 58.8	1.686	2.689	1.8	20.4
9 28	23 30.91	+ 2 3.6	1.706	2.695	4.4	20.6
10 8	23 23.87	+ 1 10.4	1.753	2.701	8.4	20.9
10 18	23 18.64	+ 0 25.0	1.825	2.706	12.0	21.1

314037 2004 YT_{21} 9 17.2 132°.44 2°.8/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 8.80	+ 6 42.2	1.629	2.424	18.2	21.2
8 19	0 4.46	+ 6 46.6	1.554	2.433	14.8	21.0
8 29	23 57.57	+ 6 31.7	1.498	2.442	10.8	20.8
9 8	23 48.75	+ 5 58.7	1.465	2.450	6.4	20.6
9 18	23 38.91	+ 5 11.4	1.458	2.458	2.9	20.4
9 28	23 29.25	+ 4 16.1	1.478	2.465	5.0	20.5
10 8	23 20.93	+ 3 20.5	1.524	2.472	9.3	20.8
10 18	23 14.79	+ 2 31.6	1.594	2.479	13.3	21.1

37779 1997 HE_{10} 9 17.2 147°.21 0°.3/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.90	− 0 16.0	2.379	3.189	12.7	20.0
8 19	23 58.25	− 0 46.2	2.296	3.192	10.0	19.8
8 29	23 52.91	− 1 27.5	2.236	3.195	6.8	19.6
9 8	23 46.34	− 2 16.4	2.202	3.198	3.3	19.4
9 18	23 39.12	− 3 8.8	2.196	3.200	0.5	19.1
9 28	23 32.00	− 3 59.7	2.219	3.203	4.1	19.4
10 8	23 25.69	− 4 44.2	2.270	3.205	7.5	19.6
10 18	23 20.76	− 5 18.8	2.347	3.207	10.5	19.8

166356 2002 KD_{14} 9 17.2 36°.71 5°.3/12.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 59.30	− 7 14.0	1.261	2.134	18.1	18.8
8 19	23 57.36	− 9 14.2	1.223	2.157	13.8	18.6
8 29	23 52.79	−11 26.2	1.205	2.181	9.3	18.4
9 8	23 46.36	−13 37.1	1.211	2.205	5.7	18.3
9 18	23 39.13	−15 33.9	1.242	2.231	6.1	18.4
9 28	23 32.35	−17 5.4	1.297	2.257	9.7	18.7
10 8	23 27.10	−18 5.7	1.376	2.284	13.5	19.0
10 18	23 24.07	−18 34.4	1.474	2.311	16.9	19.3

394241 2006 SZ_{410} 9 17.2 67°.13 1°.0/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.99	+ 4 43.8	1.837	2.645	16.0	21.1
8 19	23 58.71	+ 4 4.3	1.772	2.662	12.7	20.9
8 29	23 53.39	+ 3 6.9	1.726	2.680	8.9	20.7
9 8	23 46.60	+ 1 55.5	1.705	2.698	4.7	20.5
9 18	23 39.11	+ 0 35.9	1.711	2.715	1.0	20.3
9 28	23 31.86	− 0 44.2	1.745	2.733	4.4	20.6
10 8	23 25.70	− 1 57.5	1.806	2.751	8.4	20.9
10 18	23 21.30	− 2 58.3	1.892	2.768	11.9	21.1

507974 2015 BU_{90} 9 17.2 165°.38 2°.5/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.08	− 4 13.8	1.752	2.587	15.5	21.5
8 19	0 1.37	− 5 19.3	1.678	2.590	12.1	21.3
8 29	23 55.37	− 6 38.0	1.626	2.593	8.1	21.1
9 8	23 47.65	− 8 3.3	1.599	2.596	4.0	20.9
9 18	23 39.02	− 9 27.3	1.599	2.598	2.9	20.8
9 28	23 30.54	−10 41.4	1.626	2.600	6.6	21.0
10 8	23 23.23	−11 38.9	1.680	2.601	10.6	21.3
10 18	23 17.85	−12 16.2	1.757	2.602	14.2	21.5

78127 2002 NW_{10} 9 17.2 292°.97 2°.1/19.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.79	+ 6 43.8	2.341	3.126	13.6	19.4
8 19	23 57.55	+ 6 37.2	2.243	3.116	11.1	19.2
8 29	23 52.56	+ 6 15.9	2.166	3.107	8.1	19.0
9 8	23 46.23	+ 5 41.1	2.113	3.097	4.9	18.8
9 18	23 39.14	+ 4 55.7	2.088	3.088	2.2	18.6
9 28	23 32.05	+ 4 4.0	2.091	3.078	3.8	18.7
10 8	23 25.71	+ 3 11.4	2.122	3.069	7.1	18.9
10 18	23 20.75	+ 2 23.1	2.178	3.060	10.3	19.1

488304 2016 UL_{67} 9 17.2 334°.17 10°.0/ 8.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.18	−22 12.6	1.394	2.266	16.7	19.9
8 19	0 1.55	−23 33.3	1.330	2.252	13.8	19.7
8 29	23 55.97	−24 51.4	1.285	2.239	11.2	19.5
9 8	23 48.09	−25 55.3	1.262	2.227	10.0	19.4
9 18	23 38.98	−26 34.3	1.262	2.215	10.9	19.4
9 28	23 30.06	−26 40.7	1.285	2.205	13.5	19.5
10 8	23 22.68	−26 12.7	1.328	2.195	16.7	19.7
10 18	23 17.83	−25 13.1	1.389	2.187	19.7	19.9

392780 2012 TW_{111} 9 17.2 184°.40 4°.1/22.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.81	+14 32.2	2.365	3.100	14.8	22.4
8 19	23 59.88	+14 21.6	2.268	3.101	12.5	22.2
8 29	23 54.13	+13 51.3	2.192	3.101	9.7	22.0
9 8	23 46.99	+13 1.6	2.139	3.100	6.8	21.8
9 18	23 39.09	+11 54.7	2.113	3.098	4.4	21.7
9 28	23 31.23	+10 35.3	2.116	3.096	4.7	21.7
10 8	23 24.20	+ 9 10.0	2.148	3.094	7.2	21.8
10 18	23 18.64	+ 7 45.7	2.206	3.090	10.1	22.0

95305 2002 CJ_{99} 9 17.2 58°.59 2°.6/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.02	− 5 26.9	1.983	2.822	13.8	18.8
8 19	23 57.78	− 6 34.4	1.925	2.840	10.6	18.7
8 29	23 52.67	− 7 51.3	1.889	2.858	7.1	18.5
9 8	23 46.23	− 9 11.6	1.879	2.876	3.6	18.3
9 18	23 39.17	−10 28.1	1.896	2.894	3.0	18.3
9 28	23 32.34	−11 34.2	1.942	2.912	6.0	18.5
10 8	23 26.52	−12 24.8	2.014	2.930	9.4	18.8
10 18	23 22.32	−12 57.3	2.109	2.949	12.4	19.0

23190 Klages–Mundt 9 17.2 311°.17 1°.6/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.32	− 2 19.3	1.519	2.365	16.9	18.5
8 19	23 58.96	− 3 2.4	1.434	2.351	13.4	18.2
8 29	23 54.08	− 4 2.0	1.368	2.338	9.1	17.9
9 8	23 47.17	− 5 13.0	1.325	2.324	4.4	17.6
9 18	23 39.07	− 6 27.6	1.308	2.311	2.0	17.4
9 28	23 30.96	− 7 36.7	1.317	2.298	6.6	17.7
10 8	23 24.03	− 8 31.8	1.350	2.286	11.4	17.9
10 18	23 19.21	− 9 7.5	1.405	2.274	15.6	18.2

57016 2000 TY_{41} 9 17.2 34°.45 4°.1/12.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 58.90	− 6 53.4	1.575	2.435	15.8	18.1
8 19	23 56.65	− 8 30.3	1.523	2.449	12.1	17.9
8 29	23 52.15	−10 18.4	1.492	2.465	8.1	17.7
9 8	23 46.05	−12 8.4	1.486	2.481	4.7	17.5
9 18	23 39.19	−13 50.1	1.506	2.498	4.8	17.6
9 28	23 32.60	−15 14.2	1.553	2.515	8.1	17.8
10 8	23 27.23	−16 14.6	1.624	2.533	11.7	18.1
10 18	23 23.76	−16 49.3	1.716	2.552	14.9	18.3

321520 2009 SS_{217} 9 17.2 18°.98 0°.7/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.73	− 2 2.4	2.027	2.853	14.0	20.3
8 19	23 58.42	− 2 26.4	1.951	2.856	11.0	20.1
8 29	23 53.18	− 3 1.4	1.896	2.859	7.4	19.9
9 8	23 46.53	− 3 43.6	1.866	2.863	3.5	19.7
9 18	23 39.15	− 4 28.1	1.863	2.867	1.0	19.5
9 28	23 31.90	− 5 9.6	1.888	2.871	4.7	19.8
10 8	23 25.60	− 5 43.0	1.940	2.876	8.5	20.0
10 18	23 20.90	− 6 4.8	2.016	2.881	11.8	20.2

91901 1999 VB_{15} 9 17.2 59°.28 0°.5/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.94	+ 1 15.6	1.988	2.800	14.8	20.2
8 19	0 0.08	+ 1 3.4	1.919	2.814	11.7	20.0
8 29	23 54.26	+ 0 38.5	1.872	2.829	8.1	19.8
9 8	23 47.03	+ 0 3.8	1.850	2.844	4.1	19.6
9 18	23 39.11	− 0 36.4	1.854	2.859	0.5	19.3
9 28	23 31.41	− 1 17.0	1.887	2.874	4.2	19.7
10 8	23 24.75	− 1 52.6	1.947	2.889	8.0	19.9
10 18	23 19.78	− 2 19.4	2.032	2.905	11.3	20.2

102545 1999 UP_{14} 9 17.2 269°.74 3°.4/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.85	+11 42.0	1.965	2.737	16.3	20.0
8 19	23 58.07	+11 17.7	1.861	2.722	13.6	19.8
8 29	23 53.20	+10 30.5	1.777	2.707	10.3	19.6
9 8	23 46.66	+ 9 20.8	1.715	2.691	6.7	19.3
9 18	23 39.13	+ 7 52.1	1.680	2.675	3.7	19.1
9 28	23 31.53	+ 6 10.9	1.672	2.659	4.7	19.1
10 8	23 24.80	+ 4 26.1	1.692	2.643	8.3	19.3
10 18	23 19.76	+ 2 46.8	1.738	2.627	12.1	19.5

260223 2004 RY_{228} 9 17.2 243°.75 1°.6/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 0.80	+ 6 4.8	2.537	3.319	12.8	21.1
8 19	23 57.41	+ 5 44.2	2.437	3.310	10.3	20.9
8 29	23 52.39	+ 5 9.6	2.358	3.301	7.4	20.7
9 8	23 46.13	+ 4 22.5	2.306	3.292	4.3	20.5
9 18	23 39.19	+ 3 26.2	2.281	3.282	1.6	20.3
9 28	23 32.24	+ 2 25.2	2.285	3.273	3.5	20.4
10 8	23 25.99	+ 1 24.8	2.318	3.263	6.8	20.6
10 18	23 21.01	+ 0 30.0	2.377	3.253	9.8	20.8

66149 1998 TS_{33} 9 17.2 289°.87 0°.9/16.2 18

8 9	0 1.09	− 2 21.9	2.281	3.102	12.8	19.0
8 19	23 57.83	− 2 53.6	2.185	3.089	10.1	18.8
8 29	23 52.78	− 3 35.9	2.112	3.075	6.8	18.6
9 8	23 46.36	− 4 25.4	2.065	3.062	3.3	18.3
9 18	23 39.17	− 5 17.3	2.045	3.049	1.2	18.1
9 28	23 31.97	− 6 6.5	2.054	3.035	4.6	18.4
10 8	23 25.54	− 6 47.7	2.090	3.022	8.2	18.6
10 18	23 20.53	− 7 17.3	2.151	3.009	11.4	18.8

95434 2002 CL_{242} 9 17.2 111°.25 1°.2/18.4 18

8 9	0 5.78	+ 2 23.2	2.335	3.128	13.4	19.7
8 19	0 1.29	+ 2 28.6	2.253	3.135	10.7	19.5
8 29	23 55.00	+ 2 23.0	2.192	3.141	7.5	19.3
9 8	23 47.39	+ 2 8.1	2.158	3.148	4.1	19.1
9 18	23 39.10	+ 1 46.6	2.151	3.154	1.2	18.9
9 28	23 30.92	+ 1 22.2	2.173	3.161	3.8	19.1
10 8	23 23.62	+ 0 59.2	2.224	3.167	7.2	19.4
10 18	23 17.82	+ 0 41.0	2.301	3.173	10.2	19.6

514345 2016 PA_{93} 9 17.2 329°.33 2°.8/15.3 18

8 9	0 6.31	− 7 8.5	1.402	2.256	17.7	20.1
8 19	0 3.06	− 7 25.3	1.324	2.246	13.9	19.9
8 29	23 56.96	− 7 51.7	1.267	2.237	9.5	19.6
9 8	23 48.60	− 8 22.2	1.231	2.229	4.8	19.3
9 18	23 38.98	− 8 49.8	1.220	2.221	3.2	19.2
9 28	23 29.45	− 9 7.5	1.235	2.214	7.4	19.4
10 8	23 21.36	− 9 10.0	1.273	2.207	12.2	19.7
10 18	23 15.69	− 8 54.9	1.333	2.201	16.4	19.9

737 Arequipa 9 17.2 19°.79 1°.8/19.1 18

8 9	23 53.74	+ 8 59.6	1.141	1.982	21.7	11.6
8 19	23 53.43	+ 7 57.5	1.085	1.993	17.5	11.4
8 29	23 50.40	+ 6 21.9	1.046	2.005	12.5	11.2
9 8	23 45.34	+ 4 18.5	1.027	2.019	6.9	10.9
9 18	23 39.27	+ 1 58.4	1.031	2.035	1.9	10.7
9 28	23 33.49	− 0 22.9	1.060	2.051	5.6	10.9
10 8	23 29.20	− 2 30.5	1.113	2.070	10.9	11.3
10 18	23 27.18	− 4 13.6	1.187	2.089	15.5	11.6

356683 2011 UL_{104} 9 17.2 303°.53 1°.7/18.8 18

8 9	0 3.01	+ 4 27.5	1.907	2.711	15.6	21.0
8 19	23 59.69	+ 4 22.4	1.818	2.705	12.6	20.8
8 29	23 54.24	+ 4 1.4	1.749	2.699	9.0	20.6
9 8	23 47.14	+ 3 26.4	1.704	2.693	5.1	20.3
9 18	23 39.11	+ 2 40.9	1.685	2.688	1.7	20.1
9 28	23 31.11	+ 1 50.4	1.694	2.682	4.4	20.3
10 8	23 24.09	+ 1 1.3	1.729	2.677	8.4	20.5
10 18	23 18.81	+ 0 19.4	1.789	2.672	12.2	20.7

10134 1993 HL_{6} 9 17.2 144°.01 3°.2/20.2 18

8 9	0 6.87	+ 9 49.6	1.656	2.440	18.4	17.8
8 19	0 2.94	+ 9 31.2	1.579	2.449	15.1	17.6
8 29	23 56.55	+ 8 49.2	1.521	2.458	11.2	17.4
9 8	23 48.28	+ 7 45.4	1.485	2.466	6.9	17.1
9 18	23 39.03	+ 6 24.2	1.475	2.474	3.4	16.9
9 28	23 29.94	+ 4 53.8	1.493	2.481	5.0	17.1
10 8	23 22.14	+ 3 23.8	1.537	2.487	9.1	17.3
10 18	23 16.44	+ 2 2.7	1.607	2.492	13.1	17.6

371927 2008 EE_{19} 9 17.2 322°.96 5°.7/12.9 18

8 9	0 3.88	−10 36.4	1.240	2.112	18.4	20.7
8 19	0 1.53	−11 37.2	1.169	2.101	14.5	20.5
8 29	23 56.12	−12 48.5	1.118	2.091	10.1	20.2
9 8	23 48.26	−14 0.7	1.088	2.081	6.3	20.0
9 18	23 39.02	−15 2.8	1.081	2.072	6.4	19.9
9 28	23 29.89	−15 44.4	1.098	2.064	10.2	20.1
10 8	23 22.33	−15 59.3	1.137	2.056	14.8	20.4
10 18	23 17.41	−15 46.0	1.195	2.049	18.9	20.6

154969 2004 TO_{272} 9 17.2 113°.68 5°.3/25.0 18

8 9	0 1.44	+19 55.1	2.679	3.374	14.1	20.3
8 19	23 57.79	+19 58.3	2.593	3.387	12.1	20.1
8 29	23 52.56	+19 42.4	2.525	3.399	9.9	20.0
9 8	23 46.19	+19 6.9	2.481	3.411	7.6	19.9
9 18	23 39.22	+18 13.2	2.462	3.423	5.8	19.8
9 28	23 32.35	+17 4.7	2.471	3.434	5.4	19.8
10 8	23 26.25	+15 46.7	2.508	3.446	6.7	19.9
10 18	23 21.45	+14 25.4	2.573	3.457	8.8	20.0

266977 2010 VK_{197} 9 17.2 271°.01 1°.2/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 0.90	− 3 14.9	2.501	3.321	11.9	21.2
8 19	23 57.51	− 3 51.2	2.405	3.308	9.3	21.0
8 29	23 52.48	− 4 36.8	2.331	3.295	6.3	20.8
9 8	23 46.20	− 5 28.4	2.284	3.281	3.0	20.6
9 18	23 39.22	− 6 21.5	2.265	3.268	1.4	20.4
9 28	23 32.23	− 7 11.0	2.275	3.254	4.5	20.6
10 8	23 25.95	− 7 52.5	2.313	3.240	7.8	20.8
10 18	23 20.96	− 8 22.6	2.376	3.227	10.8	21.0

447074 2004 SP_{8} 9 17.2 338°.03 0°.9/18.0 18

8 9	0 2.59	+ 1 7.3	1.818	2.639	15.6	20.7
8 19	23 59.48	+ 1 12.1	1.730	2.630	12.5	20.4
8 29	23 54.17	+ 1 4.0	1.662	2.620	8.8	20.2
9 8	23 47.14	+ 0 44.8	1.618	2.612	4.6	19.9
9 18	23 39.14	+ 0 18.2	1.599	2.604	0.9	19.6
9 28	23 31.15	− 0 10.8	1.608	2.596	4.6	19.9
10 8	23 24.18	− 0 36.8	1.643	2.590	8.9	20.1
10 18	23 19.01	− 0 55.1	1.701	2.584	12.7	20.4

274076 2007 YW_{21} 9 17.2 248°.26 0°.9/16.4 18

8 9	0 5.47	− 0 50.4	1.580	2.412	17.1	21.3
8 19	0 2.14	− 1 28.2	1.494	2.402	13.5	21.1
8 29	23 56.22	− 2 23.0	1.427	2.392	9.3	20.8
9 8	23 48.23	− 3 30.2	1.384	2.381	4.5	20.5
9 18	23 39.05	− 4 42.8	1.366	2.370	1.3	20.2
9 28	23 29.85	− 5 52.0	1.376	2.359	6.1	20.5
10 8	23 21.85	− 6 49.6	1.411	2.348	10.9	20.8
10 18	23 16.01	− 7 29.8	1.469	2.336	15.2	21.0

379141 2009 EF_{26} 9 17.2 145°.83 0°.4/16.6 17

8 9	23 58.83	− 2 7.6	3.700	4.502	8.7	22.1
8 19	23 55.22	− 2 30.8	3.616	4.508	6.8	22.0
8 29	23 50.55	− 3 0.0	3.556	4.514	4.6	21.8
9 8	23 45.13	− 3 33.1	3.524	4.520	2.2	21.7
9 18	23 39.33	− 4 7.4	3.522	4.526	0.5	21.5
9 28	23 33.59	− 4 40.3	3.549	4.531	2.9	21.7
10 8	23 28.35	− 5 9.0	3.607	4.536	5.2	21.9
10 18	23 23.96	− 5 31.5	3.691	4.542	7.3	22.1

107557 2001 DT_{81} 9 17.2 9°.53 1°.4/15.9 18

8 9	0 2.40	− 2 23.6	1.570	2.412	16.7	20.0
8 19	23 59.55	− 3 0.5	1.498	2.413	13.1	19.8
8 29	23 54.29	− 3 51.8	1.446	2.414	8.8	19.5
9 8	23 47.20	− 4 52.2	1.417	2.415	4.2	19.2
9 18	23 39.14	− 5 54.8	1.414	2.417	1.7	19.1
9 28	23 31.24	− 6 51.5	1.437	2.420	6.1	19.4
10 8	23 24.57	− 7 35.5	1.486	2.422	10.5	19.6
10 18	23 19.95	− 8 2.3	1.556	2.426	14.4	19.9

394469 2007 SC_{14} 9 17.2 348°.91 1°.2/16.4 18

8 9	0 9.91	− 5 41.6	1.570	2.407	16.9	20.4
8 19	0 5.51	− 5 26.8	1.492	2.403	13.4	20.1
8 29	23 58.43	− 5 19.5	1.433	2.399	9.1	19.9
9 8	23 49.26	− 5 16.2	1.399	2.396	4.4	19.6
9 18	23 38.97	− 5 13.0	1.390	2.394	1.4	19.4
9 28	23 28.83	− 5 5.3	1.408	2.392	5.9	19.7
10 8	23 20.06	− 4 49.6	1.452	2.390	10.5	20.0
10 18	23 13.58	− 4 23.7	1.519	2.390	14.6	20.2

77172 2001 EF_{25} 9 17.2 27°.42 1°.1/17.9 18

8 9	0 11.22	− 1 19.7	1.399	2.230	18.9	18.0
8 19	0 6.64	− 0 38.4	1.336	2.241	15.1	17.8
8 29	23 59.19	− 0 8.5	1.291	2.252	10.5	17.6
9 8	23 49.59	+ 0 11.7	1.269	2.264	5.4	17.3
9 18	23 38.95	+ 0 24.7	1.272	2.276	1.1	17.1
9 28	23 28.66	+ 0 34.5	1.301	2.290	5.5	17.4
10 8	23 19.99	+ 0 45.5	1.356	2.304	10.2	17.7
10 18	23 13.84	+ 1 1.1	1.433	2.319	14.4	18.0

102821 1999 VR_{181} 9 17.2 350°.37 2°.3/18.9 18

8 9	0 0.26	+ 4 50.2	1.170	2.014	21.1	19.9
8 19	23 58.78	+ 4 53.5	1.097	2.008	17.1	19.6
8 29	23 54.29	+ 4 32.9	1.042	2.003	12.3	19.3
9 8	23 47.40	+ 3 50.0	1.006	1.999	7.0	19.0
9 18	23 39.13	+ 2 50.3	0.992	1.996	2.4	18.8
9 28	23 30.93	+ 1 42.8	1.002	1.994	5.9	19.0
10 8	23 24.26	+ 0 38.7	1.035	1.993	11.4	19.3
10 18	23 20.19	− 0 13.1	1.088	1.993	16.3	19.6

37974 1998 HE_{115} 9 17.2 87°.43 5°.2/11.0 18

8 9	0 2.39	−14 28.7	2.118	2.966	12.7	19.3
8 19	23 58.85	−15 48.3	2.058	2.975	9.9	19.2
8 29	23 53.43	−17 10.7	2.021	2.984	7.2	19.0
9 8	23 46.65	−18 28.7	2.011	2.992	5.3	18.9
9 18	23 39.20	−19 35.2	2.028	3.001	5.9	19.0
9 28	23 31.94	−20 24.5	2.072	3.009	8.1	19.1
10 8	23 25.67	−20 53.1	2.141	3.018	10.8	19.3
10 18	23 21.00	−21 0.6	2.233	3.026	13.3	19.5

47618 2000 BD_{27} 9 17.2 314°.03 4°.2/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 3.06	− 9 56.3	1.763	2.614	14.7	18.9
8 19	23 59.88	−10 56.3	1.688	2.609	11.5	18.7
8 29	23 54.43	−12 4.1	1.635	2.604	7.9	18.5
9 8	23 47.25	−13 12.8	1.606	2.599	4.8	18.3
9 18	23 39.15	−14 14.5	1.603	2.594	4.8	18.3
9 28	23 31.15	−15 2.0	1.628	2.589	7.9	18.5
10 8	23 24.28	−15 30.2	1.676	2.585	11.5	18.7
10 18	23 19.30	−15 37.1	1.748	2.581	14.8	18.9

184777 2005 TL_{26} 9 17.2 58°.67 4°.7/12.8 18

8 9	0 6.74	−14 17.0	1.987	2.830	13.6	20.1
8 19	0 2.30	−14 55.9	1.926	2.840	10.7	20.0
8 29	23 55.78	−15 36.5	1.887	2.850	7.5	19.8
9 8	23 47.79	−16 12.7	1.874	2.860	5.1	19.7
9 18	23 39.12	−16 38.7	1.887	2.870	5.1	19.7
9 28	23 30.72	−16 49.9	1.928	2.881	7.6	19.9
10 8	23 23.48	−16 44.0	1.994	2.891	10.5	20.1
10 18	23 18.05	−16 21.1	2.084	2.902	13.3	20.3

256498 2007 EN_{58} 9 17.2 357°.26 0°.5/17.7 18

8 9	0 1.98	+ 1 25.9	1.987	2.802	14.7	21.1
8 19	23 58.73	+ 1 10.3	1.904	2.801	11.7	20.8
8 29	23 53.49	+ 0 41.1	1.843	2.800	8.1	20.6
9 8	23 46.75	+ 0 1.3	1.805	2.800	4.1	20.4
9 18	23 39.21	− 0 44.9	1.795	2.800	0.5	20.1
9 28	23 31.75	− 1 32.0	1.812	2.800	4.3	20.4
10 8	23 25.24	− 2 14.1	1.856	2.800	8.3	20.7
10 18	23 20.37	− 2 46.9	1.925	2.800	11.8	20.9

506632 2006 KT_{101} 9 17.2 22°.59 9°.3/10.4 17

8 9	23 57.80	−13 54.5	0.854	1.761	21.3	19.9
8 19	23 57.37	−15 50.6	0.823	1.773	16.6	19.7
8 29	23 53.41	−17 51.4	0.809	1.786	12.1	19.5
9 8	23 46.87	−19 39.9	0.814	1.802	9.4	19.5
9 18	23 39.21	−21 0.4	0.840	1.819	10.4	19.6
9 28	23 32.18	−21 42.3	0.885	1.838	14.0	19.9
10 8	23 27.23	−21 43.3	0.949	1.858	17.9	20.2
10 18	23 25.17	−21 7.7	1.029	1.880	21.5	20.5

44592 1999 OM 9 17.2 265°.69 6°.0/21.4 18

8 9	0 9.19	+11 7.9	1.573	2.350	19.5	18.2
8 19	0 5.32	+11 59.6	1.479	2.339	16.5	18.0
8 29	23 58.61	+12 31.9	1.403	2.328	12.9	17.7
9 8	23 49.54	+12 42.4	1.349	2.317	9.1	17.5
9 18	23 38.98	+12 30.4	1.318	2.305	6.2	17.3
9 28	23 28.25	+11 58.9	1.313	2.293	6.9	17.3
10 8	23 18.73	+11 14.9	1.334	2.281	10.4	17.5
10 18	23 11.55	+10 26.8	1.377	2.269	14.4	17.7

450002 2015 PT_{286} 9 17.2 346°.74 5°.4/12.1 18

8 9	0 3.14	−13 55.1	1.759	2.616	14.5	20.2
8 19	23 59.94	−14 53.0	1.690	2.612	11.4	20.0
8 29	23 54.46	−15 54.8	1.642	2.608	8.2	19.8
9 8	23 47.27	−16 53.0	1.618	2.605	5.7	19.7
9 18	23 39.19	−17 39.9	1.620	2.602	6.0	19.7
9 28	23 31.27	−18 9.1	1.649	2.599	8.8	19.9
10 8	23 24.51	−18 16.9	1.701	2.597	12.0	20.1
10 18	23 19.67	−18 2.8	1.775	2.596	15.1	20.3

81127 2000 EW_{129} 9 17.2 94°.47 1°.3/16.2 18

8 9	0 7.73	− 2 30.8	1.631	2.461	16.7	19.5
8 19	0 3.47	− 3 4.2	1.569	2.477	13.0	19.3
8 29	23 56.79	− 3 50.4	1.527	2.492	8.8	19.1
9 8	23 48.36	− 4 44.4	1.510	2.507	4.2	18.9
9 18	23 39.11	− 5 39.4	1.519	2.522	1.5	18.7
9 28	23 30.16	− 6 28.3	1.555	2.537	5.8	19.0
10 8	23 22.57	− 7 5.2	1.618	2.552	10.0	19.3
10 18	23 17.09	− 7 26.6	1.704	2.566	13.7	19.6

316308 2010 RH_{67} 9 17.2 75°.60 3°.8/20.4 18

8 9	0 7.37	+ 9 3.6	1.361	2.164	20.8	20.4
8 19	0 3.72	+ 9 8.6	1.300	2.181	17.0	20.2
8 29	23 57.25	+ 8 48.7	1.256	2.198	12.6	20.0
9 8	23 48.68	+ 8 5.4	1.233	2.215	7.8	19.7
9 18	23 39.08	+ 7 3.2	1.234	2.232	4.0	19.6
9 28	23 29.83	+ 5 50.4	1.261	2.249	5.6	19.7
10 8	23 22.16	+ 4 37.0	1.313	2.266	10.0	20.0
10 18	23 16.96	+ 3 32.0	1.388	2.283	14.1	20.3

509377 2007 BW_{75} 9 17.2 249°.10 0°.3/17.5 18

8 9	0 5.53	+ 1 23.1	1.773	2.589	16.1	22.5
8 19	0 1.93	+ 1 1.4	1.680	2.577	12.9	22.2
8 29	23 55.96	+ 0 23.6	1.607	2.566	9.0	22.0
9 8	23 48.10	− 0 27.2	1.558	2.553	4.5	21.7
9 18	23 39.13	− 1 25.9	1.536	2.541	0.4	21.3
9 28	23 30.13	− 2 25.6	1.542	2.528	5.1	21.7
10 8	23 22.18	− 3 19.1	1.573	2.515	9.6	21.9
10 18	23 16.16	− 4 0.5	1.629	2.502	13.7	22.1

335854 2007 RT_8 9 17.2 241°.25 19°.6/ 2.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 11.99	+33 24.7	1.254	1.921	28.5	21.0
8 19	0 9.20	+36 9.3	1.183	1.918	26.7	20.8
8 29	0 2.38	+38 22.7	1.123	1.915	24.7	20.6
9 8	23 51.87	+39 52.5	1.075	1.912	22.6	20.4
9 18	23 38.78	+40 27.1	1.042	1.909	20.8	20.3
9 28	23 25.15	+40 0.9	1.025	1.905	19.7	20.2
10 8	23 13.32	+38 38.7	1.025	1.902	19.7	20.2
10 18	23 5.16	+36 34.4	1.042	1.898	20.9	20.3

408692 2014 MR_{57} 9 17.2 337°.62 5°.5/10.8 18

8 9	23 59.52	−14 4.9	1.971	2.829	13.2	20.5
8 19	23 56.92	−15 25.8	1.899	2.822	10.3	20.3
8 29	23 52.31	−16 51.3	1.850	2.815	7.5	20.1
9 8	23 46.21	−18 13.9	1.825	2.808	5.6	20.0
9 18	23 39.30	−19 25.6	1.828	2.802	6.2	20.0
9 28	23 32.48	−20 19.5	1.856	2.797	8.7	20.2
10 8	23 26.61	−20 51.4	1.909	2.791	11.7	20.3
10 18	23 22.39	−21 0.1	1.984	2.787	14.4	20.5

185605 2008 CW_{25} 9 17.2 107°.86 5°.3/10.3 17

8 9	0 6.65	−19 35.6	2.694	3.525	10.8	20.5
8 19	0 1.61	−20 38.7	2.648	3.550	8.6	20.4
8 29	23 55.01	−21 39.5	2.626	3.574	6.5	20.3
9 8	23 47.34	−22 32.5	2.632	3.597	5.4	20.2
9 18	23 39.22	−23 13.0	2.665	3.620	5.8	20.3
9 28	23 31.37	−23 37.4	2.727	3.642	7.4	20.4
10 8	23 24.43	−23 44.4	2.815	3.664	9.4	20.6
10 18	23 18.91	−23 34.2	2.926	3.685	11.3	20.8

364478 2007 DV_{35} 9 17.2 172°.60 0°.5/16.6 18

8 9	0 0.40	+ 0 11.3	2.393	3.204	12.6	21.2
8 19	23 57.13	− 0 36.6	2.308	3.205	9.9	21.0
8 29	23 52.22	− 1 36.6	2.246	3.206	6.7	20.8
9 8	23 46.09	− 2 45.1	2.210	3.207	3.2	20.6
9 18	23 39.32	− 3 57.2	2.203	3.207	0.7	20.4
9 28	23 32.62	− 5 7.1	2.224	3.207	4.2	20.6
10 8	23 26.68	− 6 9.2	2.274	3.208	7.6	20.9
10 18	23 22.09	− 6 59.4	2.350	3.208	10.6	21.1

198475 2004 XK_{37} 9 17.2 16°.32 1°.2/18.2 18

8 9	23 59.03	+ 3 19.3	1.182	2.032	20.5	19.4
8 19	23 57.57	+ 3 4.6	1.123	2.039	16.4	19.2
8 29	23 53.26	+ 2 27.0	1.081	2.046	11.5	18.9
9 8	23 46.81	+ 1 30.6	1.060	2.056	6.0	18.7
9 18	23 39.27	+ 0 22.5	1.062	2.066	1.2	18.4
9 28	23 32.00	− 0 47.0	1.087	2.078	5.7	18.7
10 8	23 26.28	− 1 48.1	1.136	2.091	10.9	19.1
10 18	23 22.98	− 2 33.4	1.206	2.105	15.5	19.4

141757 2002 LY_{58} 9 17.2 67°.54 4°.4/20.6 17

8 9	0 7.82	+ 8 52.7	1.414	2.214	20.3	20.0
8 19	0 4.10	+ 9 18.6	1.346	2.224	16.7	19.8
8 29	23 57.57	+ 9 22.1	1.296	2.235	12.5	19.6
9 8	23 48.89	+ 9 3.3	1.267	2.247	8.0	19.3
9 18	23 39.10	+ 8 24.8	1.262	2.258	4.6	19.2
9 28	23 29.54	+ 7 33.1	1.283	2.269	5.9	19.3
10 8	23 21.50	+ 6 37.0	1.328	2.281	9.9	19.6
10 18	23 15.89	+ 5 44.7	1.397	2.292	14.0	19.8

487157 2014 OL_{238} 9 17.2 210°.95 1°.3/15.8 18

8 9	0 2.40	− 3 42.2	2.292	3.114	12.7	21.7
8 19	23 58.77	− 4 15.3	2.209	3.114	9.9	21.5
8 29	23 53.37	− 4 57.5	2.149	3.113	6.7	21.3
9 8	23 46.67	− 5 45.1	2.115	3.112	3.2	21.1
9 18	23 39.29	− 6 33.4	2.108	3.111	1.5	21.0
9 28	23 31.98	− 7 17.2	2.131	3.110	4.7	21.2
10 8	23 25.51	− 7 52.0	2.181	3.109	8.1	21.4
10 18	23 20.48	− 8 14.8	2.256	3.108	11.2	21.6

12168 Polko 9 17.2 30°.90 4°.5/21.7 18 R

8 9	0 4.04	+11 16.3	1.983	2.750	16.3	17.3
8 19	0 0.40	+11 45.4	1.901	2.756	13.6	17.1
8 29	23 54.68	+11 56.7	1.839	2.761	10.5	16.9
9 8	23 47.38	+11 49.7	1.800	2.767	7.2	16.7
9 18	23 39.23	+11 25.8	1.785	2.773	4.8	16.6
9 28	23 31.15	+10 48.8	1.798	2.779	5.2	16.6
10 8	23 24.08	+10 4.4	1.838	2.786	8.0	16.8
10 18	23 18.74	+ 9 18.9	1.903	2.793	11.1	17.0

88176 2000 XP_{31} 9 17.2 301°.54 3°.4/20.4 18

8 9	0 4.76	+ 7 48.5	2.099	2.878	15.2	19.4
8 19	0 0.98	+ 8 14.3	2.000	2.867	12.5	19.2
8 29	23 55.13	+ 8 25.5	1.922	2.856	9.4	19.0
9 8	23 47.65	+ 8 22.1	1.867	2.844	6.1	18.8
9 18	23 39.20	+ 8 5.4	1.839	2.833	3.5	18.6
9 28	23 30.69	+ 7 38.7	1.838	2.823	4.6	18.7
10 8	23 23.05	+ 7 6.9	1.864	2.812	7.9	18.9
10 18	23 17.05	+ 6 35.4	1.916	2.802	11.3	19.0

43460 2000 YM_{123} 9 17.2 71°.31 4°.4/11.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 1.76	−12 54.0	2.251	3.095	12.2	18.1
8 19	23 58.27	−13 59.7	2.185	3.101	9.5	18.0
8 29	23 53.02	−15 9.0	2.143	3.107	6.7	17.8
9 8	23 46.48	−16 15.7	2.127	3.113	4.6	17.7
9 18	23 39.31	−17 13.7	2.138	3.118	4.9	17.7
9 28	23 32.29	−17 57.6	2.177	3.124	7.2	17.9
10 8	23 26.17	−18 24.1	2.242	3.130	9.9	18.1
10 18	23 21.53	−18 31.9	2.330	3.136	12.4	18.3

62981 2000 VK_{56} 9 17.2 335°.83 1°.5/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.65	− 4 38.8	2.064	2.893	13.7	19.4
8 19	23 59.96	− 5 3.6	1.983	2.891	10.7	19.2
8 29	23 54.30	− 5 37.4	1.924	2.889	7.2	19.0
9 8	23 47.17	− 6 16.2	1.890	2.887	3.5	18.7
9 18	23 39.26	− 6 55.0	1.883	2.885	1.8	18.6
9 28	23 31.45	− 7 28.5	1.905	2.884	5.2	18.8
10 8	23 24.58	− 7 52.4	1.953	2.882	8.9	19.1
10 18	23 19.35	− 8 3.6	2.026	2.881	12.1	19.3

432693 2011 BZ_{86} 9 17.2 134°.34 2°.3/19.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.61	+ 6 44.7	1.955	2.738	16.0	22.1
8 19	0 3.11	+ 6 39.1	1.877	2.750	13.0	21.9
8 29	23 56.46	+ 6 16.4	1.821	2.761	9.4	21.7
9 8	23 48.23	+ 5 38.5	1.788	2.772	5.5	21.5
9 18	23 39.18	+ 4 48.7	1.782	2.782	2.4	21.3
9 28	23 30.30	+ 3 52.8	1.804	2.792	4.3	21.5
10 8	23 22.52	+ 2 57.2	1.855	2.801	8.1	21.7
10 18	23 16.55	+ 2 7.8	1.931	2.810	11.6	22.0

513371 2008 ER_{116} 9 17.2 147°.77 0°.1/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.90	+ 1 9.6	2.673	3.471	11.8	22.9
8 19	23 58.06	+ 0 26.8	2.591	3.480	9.2	22.7
8 29	23 52.72	− 0 27.1	2.533	3.488	6.3	22.5
9 8	23 46.31	− 1 29.0	2.501	3.496	3.1	22.3
9 18	23 39.34	− 2 34.5	2.499	3.503	0.3	22.1
9 28	23 32.47	− 3 38.7	2.526	3.510	3.6	22.4
10 8	23 26.33	− 4 37.0	2.583	3.517	6.8	22.6
10 18	23 21.42	− 5 25.5	2.666	3.523	9.5	22.8

448365 2009 HB_{52} 9 17.2 100°.51 6°.2/10.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 8.73	−19 44.1	2.155	2.993	12.9	21.4
8 19	0 3.69	−20 38.9	2.102	3.008	10.3	21.3
8 29	23 56.65	−21 31.3	2.072	3.023	7.8	21.1
9 8	23 48.23	−22 14.5	2.069	3.038	6.3	21.1
9 18	23 39.20	−22 42.9	2.092	3.052	6.7	21.1
9 28	23 30.50	−22 52.3	2.142	3.066	8.7	21.3
10 8	23 22.96	−22 41.5	2.217	3.080	11.1	21.5
10 18	23 17.19	−22 11.6	2.315	3.093	13.4	21.7

252795 2002 FA_{8} 9 17.2 81°.47 2°.9/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.75	− 9 44.6	2.207	3.039	12.8	19.9
8 19	0 1.40	−10 11.7	2.133	3.043	10.0	19.7
8 29	23 55.16	−10 43.5	2.081	3.046	6.8	19.5
9 8	23 47.55	−11 15.2	2.056	3.050	3.8	19.3
9 18	23 39.25	−11 42.2	2.058	3.053	3.2	19.3
9 28	23 31.12	−12 0.0	2.089	3.057	5.9	19.5
10 8	23 23.95	−12 5.4	2.147	3.060	9.1	19.7
10 18	23 18.38	−11 57.2	2.229	3.064	12.0	19.9

7110 Johnpearse 9 17.2 293°.82 0°.1/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.58	+ 1 36.4	1.919	2.738	15.0	17.2
8 19	23 57.94	+ 0 55.6	1.816	2.717	11.9	17.0
8 29	23 53.19	− 0 2.3	1.735	2.695	8.3	16.7
9 8	23 46.76	− 1 14.0	1.677	2.673	4.1	16.4
9 18	23 39.31	− 2 34.0	1.647	2.652	0.4	16.1
9 28	23 31.74	− 3 54.8	1.644	2.630	5.0	16.4
10 8	23 25.04	− 5 8.5	1.668	2.608	9.3	16.6
10 18	23 20.00	− 6 8.6	1.716	2.587	13.2	16.8

508884 2003 SK_{260} 9 17.2 278°.71 1°.4/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 9.16	+ 1 20.9	1.834	2.641	16.0	21.1
8 19	0 4.72	+ 1 42.0	1.740	2.630	12.9	20.9
8 29	23 57.85	+ 1 51.3	1.667	2.620	9.2	20.6
9 8	23 49.05	+ 1 50.1	1.617	2.609	5.0	20.3
9 18	23 39.12	+ 1 40.9	1.594	2.598	1.4	20.1
9 28	23 29.15	+ 1 27.7	1.599	2.587	4.8	20.3
10 8	23 20.24	+ 1 15.3	1.631	2.576	9.1	20.5
10 18	23 13.30	+ 1 8.0	1.688	2.565	13.0	20.7

221393 2005 YZ_{42} 9 17.2 5°.02 7°.2/ 8.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.42	−19 14.6	1.975	2.834	13.1	19.7
8 19	23 57.63	−20 55.9	1.916	2.834	10.5	19.5
8 29	23 52.80	−22 37.3	1.881	2.834	8.3	19.4
9 8	23 46.46	−24 9.9	1.871	2.835	7.2	19.4
9 18	23 39.35	−25 25.5	1.886	2.836	8.1	19.4
9 28	23 32.38	−26 17.6	1.928	2.838	10.3	19.5
10 8	23 26.44	−26 43.4	1.992	2.839	12.8	19.7
10 18	23 22.20	−26 43.0	2.077	2.841	15.1	19.9

428486 2007 VK_{149} 9 17.3 322°.36 7°.2/12.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 5.42	−13 47.6	1.175	2.052	18.9	20.8
8 19	0 3.01	−14 50.3	1.107	2.040	15.0	20.5
8 29	23 57.31	−16 0.0	1.057	2.028	10.8	20.2
9 8	23 48.97	−17 5.8	1.028	2.017	7.6	20.0
9 18	23 39.14	−17 56.0	1.021	2.006	8.0	20.0
9 28	23 29.43	−18 20.4	1.038	1.997	11.6	20.2
10 8	23 21.42	−18 14.1	1.075	1.987	16.0	20.4
10 18	23 16.26	−17 37.5	1.131	1.979	20.1	20.7

71028 1999 XJ_{66} 9 17.3 287°.30 5°.1/12.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.96	−12 44.7	1.782	2.633	14.6	19.6
8 19	0 1.45	−13 42.5	1.702	2.622	11.5	19.4
8 29	23 55.59	−14 46.0	1.644	2.611	8.1	19.1
9 8	23 47.92	−15 47.6	1.611	2.600	5.5	19.0
9 18	23 39.23	−16 39.7	1.604	2.588	5.7	18.9
9 28	23 30.61	−17 15.2	1.624	2.578	8.6	19.1
10 8	23 23.12	−17 29.7	1.667	2.567	12.1	19.3
10 18	23 17.57	−17 21.9	1.733	2.556	15.3	19.5

143025 2002 VA_{113} 9 17.3 294°.78 1°.3/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.09	+ 2 59.7	1.502	2.327	18.1	20.8
8 19	0 1.33	+ 2 53.9	1.409	2.310	14.7	20.5
8 29	23 55.88	+ 2 29.5	1.335	2.293	10.5	20.2
9 8	23 48.22	+ 1 48.3	1.283	2.276	5.6	19.9
9 18	23 39.20	+ 0 54.8	1.255	2.259	1.3	19.5
9 28	23 30.05	− 0 3.7	1.254	2.243	5.5	19.8
10 8	23 22.08	− 0 58.4	1.277	2.227	10.6	20.0
10 18	23 16.32	− 1 42.1	1.323	2.211	15.2	20.3

440872 2006 TL_{25} 9 17.3 340°.84 4°.3/22.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 59.50	+13 25.8	1.889	2.658	17.0	20.9
8 19	23 57.04	+13 13.5	1.800	2.655	14.2	20.7
8 29	23 52.51	+12 37.9	1.729	2.652	11.0	20.5
9 8	23 46.38	+11 39.1	1.680	2.649	7.5	20.3
9 18	23 39.36	+10 20.3	1.656	2.646	4.6	20.1
9 28	23 32.38	+ 8 47.8	1.659	2.644	5.0	20.1
10 8	23 26.36	+ 7 10.2	1.689	2.642	8.1	20.3
10 18	23 22.04	+ 5 36.5	1.745	2.640	11.7	20.5

189775 2002 CQ_{130} 9 17.3 236°.38 0°.2/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 55.15	− 1 23.4	4.500	5.299	7.3	20.5
8 19	23 52.26	− 1 47.5	4.406	5.297	5.7	20.4
8 29	23 48.53	− 2 16.8	4.338	5.295	3.9	20.3
9 8	23 44.20	− 2 49.7	4.297	5.292	1.9	20.1
9 18	23 39.55	− 3 24.1	4.285	5.290	0.3	20.0
9 28	23 34.94	− 3 57.7	4.305	5.288	2.3	20.1
10 8	23 30.68	− 4 28.4	4.353	5.285	4.3	20.3
10 18	23 27.07	− 4 54.2	4.430	5.283	6.1	20.4

330576 2008 CC_{76} 9 17.3 94°.40 3°.1/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.97	− 6 8.4	1.608	2.448	16.5	20.9
8 19	0 3.65	− 7 9.5	1.554	2.468	12.7	20.7
8 29	23 56.91	− 8 21.0	1.521	2.489	8.5	20.5
9 8	23 48.44	− 9 35.5	1.512	2.509	4.4	20.3
9 18	23 39.22	−10 44.9	1.530	2.528	3.5	20.3
9 28	23 30.36	−11 41.2	1.576	2.547	7.1	20.5
10 8	23 22.92	−12 19.3	1.647	2.566	11.0	20.8
10 18	23 17.60	−12 37.0	1.740	2.584	14.4	21.1

10916 Okina–Ouna 9 17.3 90°.17 0°.4/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.32	+ 1 18.1	2.067	2.878	14.3	17.9
8 19	23 59.69	+ 0 59.3	1.986	2.880	11.4	17.7
8 29	23 54.12	+ 0 27.4	1.926	2.883	7.9	17.5
9 8	23 47.11	− 0 14.7	1.891	2.885	4.0	17.2
9 18	23 39.33	− 1 2.5	1.883	2.887	0.4	17.0
9 28	23 31.64	− 1 50.7	1.903	2.890	4.2	17.3
10 8	23 24.90	− 2 33.8	1.951	2.892	8.1	17.5
10 18	23 19.77	− 3 7.4	2.023	2.895	11.5	17.7

298257 2002 VZ_{96} 9 17.3 260°.96 1°.8/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 8.13	− 6 28.1	2.178	2.999	13.4	20.9
8 19	0 3.51	− 6 42.4	2.079	2.983	10.5	20.6
8 29	23 56.81	− 7 3.6	2.004	2.966	7.2	20.4
9 8	23 48.48	− 7 28.0	1.953	2.950	3.6	20.1
9 18	23 39.21	− 7 51.3	1.931	2.933	2.1	20.0
9 28	23 29.91	− 8 8.9	1.938	2.915	5.4	20.2
10 8	23 21.50	− 8 16.8	1.973	2.897	9.1	20.4
10 18	23 14.73	− 8 12.7	2.032	2.880	12.4	20.6

314481 2005 WE_{115} 9 17.3 216°.27 7°.3/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.75	−24 10.1	2.427	3.269	11.5	20.5
8 19	23 59.87	−25 32.9	2.365	3.266	9.5	20.4
8 29	23 54.16	−26 52.1	2.327	3.263	7.9	20.3
9 8	23 47.09	−28 0.5	2.315	3.260	7.3	20.2
9 18	23 39.33	−28 51.9	2.329	3.256	8.1	20.3
9 28	23 31.70	−29 21.8	2.369	3.253	9.7	20.4
10 8	23 24.99	−29 28.4	2.432	3.249	11.7	20.5
10 18	23 19.80	−29 12.5	2.516	3.246	13.6	20.6

269900 2000 GB_{131} 9 17.3 260°.92 1°.0/18.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 5.32	+ 3 12.8	1.778	2.587	16.4	21.7
8 19	0 1.87	+ 2 54.5	1.678	2.570	13.2	21.4
8 29	23 56.03	+ 2 18.6	1.598	2.552	9.4	21.2
9 8	23 48.23	+ 1 27.4	1.541	2.534	5.0	20.9
9 18	23 39.24	+ 0 25.3	1.511	2.516	1.0	20.6
9 28	23 30.12	− 0 40.6	1.509	2.497	4.9	20.8
10 8	23 22.00	− 1 42.6	1.533	2.477	9.6	21.0
10 18	23 15.80	− 2 33.9	1.581	2.458	13.8	21.2

155358 6231 $P–L$ 9 17.3 27°.84 1°.6/18.8 18

8 9	0 4.62	+ 3 19.4	2.084	2.883	14.6	19.6
8 19	0 0.70	+ 3 28.9	2.002	2.887	11.7	19.4
8 29	23 54.81	+ 3 25.7	1.941	2.890	8.4	19.2
9 8	23 47.45	+ 3 11.3	1.905	2.894	4.7	19.0
9 18	23 39.32	+ 2 48.6	1.896	2.898	1.7	18.8
9 28	23 31.28	+ 2 21.6	1.915	2.903	4.1	19.0
10 8	23 24.19	+ 1 55.2	1.961	2.907	7.7	19.2
10 18	23 18.74	+ 1 33.6	2.032	2.912	11.0	19.4

340254 2006 BL_{133} 9 17.3 158°.61 2°.6/19.8 18

8 9	0 7.92	+ 6 47.6	2.135	2.911	15.0	21.2
8 19	0 3.26	+ 6 56.4	2.049	2.916	12.3	21.0
8 29	23 56.56	+ 6 50.2	1.984	2.921	9.0	20.8
9 8	23 48.32	+ 6 30.1	1.944	2.926	5.5	20.6
9 18	23 39.26	+ 5 58.4	1.931	2.930	2.7	20.4
9 28	23 30.29	+ 5 19.4	1.947	2.933	4.2	20.6
10 8	23 22.29	+ 4 38.5	1.991	2.936	7.7	20.8
10 18	23 15.98	+ 4 0.8	2.061	2.939	11.0	21.0

104277 2000 ER_{151} 9 17.3 183°.28 4°.7/22.7 18

8 9	0 4.42	+14 33.5	2.306	3.043	15.1	19.8
8 19	0 0.49	+14 45.2	2.212	3.043	12.8	19.6
8 29	23 54.67	+14 38.3	2.138	3.043	10.1	19.4
9 8	23 47.40	+14 12.5	2.087	3.043	7.2	19.2
9 18	23 39.33	+13 29.0	2.061	3.042	5.0	19.1
9 28	23 31.28	+12 31.6	2.064	3.041	5.1	19.1
10 8	23 24.08	+11 26.1	2.095	3.039	7.4	19.3
10 18	23 18.39	+10 18.9	2.152	3.038	10.3	19.4

404415 2013 GQ_{72} 9 17.3 41°.22 2°.6/14.7 18

8 9	0 5.13	− 8 31.5	2.122	2.955	13.2	20.8
8 19	0 1.01	− 8 56.4	2.049	2.959	10.3	20.6
8 29	23 54.95	− 9 27.0	1.998	2.964	7.0	20.4
9 8	23 47.49	− 9 58.6	1.973	2.968	3.7	20.2
9 18	23 39.34	−10 26.4	1.975	2.972	2.9	20.1
9 28	23 31.34	−10 45.9	2.006	2.977	5.8	20.3
10 8	23 24.34	−10 53.6	2.063	2.982	9.1	20.6
10 18	23 18.96	−10 47.9	2.144	2.987	12.1	20.8

518761 2009 UH_{90} 9 17.3 307°.11 7°.2/25.8 18

8 9	23 59.43	+21 33.8	2.224	2.929	16.4	20.7
8 19	23 56.92	+21 55.6	2.113	2.909	14.5	20.5
8 29	23 52.45	+21 54.8	2.019	2.889	12.2	20.3
9 8	23 46.42	+21 29.2	1.945	2.869	9.8	20.1
9 18	23 39.42	+20 38.1	1.895	2.850	7.8	19.9
9 28	23 32.30	+19 24.1	1.871	2.830	7.2	19.8
10 8	23 25.94	+17 53.4	1.873	2.811	8.6	19.9
10 18	23 21.11	+16 13.9	1.901	2.793	11.1	20.0

435542 2008 OH_{20} 9 17.3 38°.57 0°.2/17.4 16

8 9	0 5.98	− 0 5.8	1.414	2.250	18.5	21.5
8 19	0 2.58	− 0 11.8	1.350	2.260	14.6	21.2
8 29	23 56.48	− 0 33.5	1.305	2.269	10.1	21.0
9 8	23 48.38	− 1 7.1	1.283	2.279	5.0	20.8
9 18	23 39.28	− 1 46.9	1.285	2.290	0.4	20.4
9 28	23 30.45	− 2 25.7	1.313	2.301	5.5	20.8
10 8	23 23.09	− 2 56.8	1.366	2.312	10.3	21.2
10 18	23 18.05	− 3 15.4	1.441	2.324	14.5	21.4

202252 2005 AN_{22} 9 17.3 283°.96 3°.4/14.2 18

8 9	0 5.08	− 8 8.9	1.773	2.616	15.0	20.4
8 19	0 1.67	− 8 53.8	1.680	2.597	11.8	20.1
8 29	23 55.87	− 9 48.3	1.609	2.578	8.1	19.9
9 8	23 48.15	−10 46.5	1.563	2.558	4.5	19.6
9 18	23 39.30	−11 41.2	1.543	2.539	3.9	19.5
9 28	23 30.37	−12 25.0	1.550	2.519	7.3	19.7
10 8	23 22.49	−12 52.1	1.582	2.499	11.4	19.9
10 18	23 16.55	−12 59.6	1.636	2.480	15.1	20.1

205114 1999 VQ_{8} 9 17.3 344°.15 13°.0/ 7.4 18

8 9	0 0.01	−25 17.9	1.078	1.970	19.0	18.1
8 19	23 59.21	−26 43.4	1.018	1.949	16.2	17.9
8 29	23 54.95	−28 2.1	0.976	1.930	13.9	17.7
9 8	23 47.91	−28 59.3	0.953	1.913	13.0	17.6
9 18	23 39.32	−29 21.7	0.949	1.898	14.1	17.6
9 28	23 30.93	−29 0.8	0.964	1.885	16.9	17.7
10 8	23 24.41	−27 55.9	0.996	1.874	20.1	17.9
10 18	23 20.87	−26 12.4	1.045	1.865	23.3	18.1

65186 2002 CH_{244} 9 17.3 50°.38 0°.7/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 9.33	+ 0 13.6	1.246	2.085	20.3	18.9
8 19	0 5.54	+ 0 22.0	1.186	2.095	16.2	18.7
8 29	23 58.68	+ 0 13.6	1.143	2.107	11.2	18.4
9 8	23 49.52	− 0 8.3	1.122	2.118	5.7	18.1
9 18	23 39.21	− 0 38.3	1.125	2.130	0.7	17.8
9 28	23 29.26	− 1 9.1	1.154	2.142	5.9	18.2
10 8	23 21.05	− 1 33.6	1.206	2.155	11.1	18.6
10 18	23 15.52	− 1 46.5	1.280	2.168	15.6	18.9

208869 2002 TR_{11} 9 17.3 41°.86 2°.4/14.9 18

8 9	0 2.22	− 4 28.1	1.665	2.509	15.8	20.0
8 19	23 59.25	− 5 23.6	1.599	2.516	12.2	19.8
8 29	23 54.02	− 6 31.5	1.555	2.524	8.2	19.5
9 8	23 47.13	− 7 45.3	1.534	2.532	4.1	19.3
9 18	23 39.40	− 8 57.4	1.540	2.541	2.8	19.3
9 28	23 31.88	− 9 59.7	1.573	2.549	6.5	19.5
10 8	23 25.54	−10 46.0	1.631	2.558	10.5	19.8
10 18	23 21.12	−11 13.2	1.712	2.567	14.0	20.0

161472 2004 FG_{20} 9 17.3 179°.77 0°.8/18.1 17

8 9	0 7.41	+ 2 45.8	1.920	2.721	15.6	21.2
8 19	0 3.11	+ 2 27.3	1.835	2.723	12.5	21.0
8 29	23 56.60	+ 1 53.5	1.771	2.724	8.7	20.8
9 8	23 48.41	+ 1 7.1	1.732	2.724	4.6	20.6
9 18	23 39.30	+ 0 12.7	1.719	2.724	0.8	20.3
9 28	23 30.27	− 0 43.7	1.736	2.723	4.5	20.6
10 8	23 22.30	− 1 35.4	1.780	2.722	8.7	20.8
10 18	23 16.16	− 2 17.4	1.848	2.720	12.4	21.0

261957 2006 PQ_{14} 9 17.3 39°.28 4°.4/13.8 17

8 9	0 2.86	− 6 22.1	1.136	2.008	19.7	20.3
8 19	0 0.63	− 7 38.9	1.087	2.020	15.2	20.0
8 29	23 55.38	− 9 10.1	1.057	2.033	10.2	19.8
9 8	23 47.89	−10 45.3	1.049	2.046	5.6	19.6
9 18	23 39.35	−12 12.3	1.064	2.060	5.0	19.6
9 28	23 31.24	−13 19.5	1.103	2.075	9.2	19.9
10 8	23 24.86	−14 0.2	1.164	2.090	13.8	20.2
10 18	23 21.08	−14 12.6	1.245	2.106	17.8	20.5

38801 2000 RS_{55} 9 17.3 344°.22 2°.5/19.9 18

8 9	23 58.10	+ 8 22.8	1.784	2.586	16.6	18.8
8 19	23 56.07	+ 8 1.7	1.696	2.579	13.6	18.6
8 29	23 51.93	+ 7 19.2	1.628	2.573	10.0	18.4
9 8	23 46.16	+ 6 17.0	1.582	2.567	6.0	18.1
9 18	23 39.48	+ 4 59.4	1.561	2.562	2.7	17.9
9 28	23 32.82	+ 3 33.6	1.568	2.557	4.5	18.0
10 8	23 27.13	+ 2 8.3	1.600	2.553	8.5	18.2
10 18	23 23.18	+ 0 51.4	1.657	2.550	12.3	18.5

517896 2015 TU_{74} 9 17.3 24°.75 7°.7/10.5 18

8 9	0 9.19	−23 20.3	1.920	2.764	14.0	20.3
8 19	0 4.40	−24 4.4	1.865	2.771	11.4	20.2
8 29	23 57.34	−24 42.9	1.833	2.777	9.1	20.0
9 8	23 48.67	−25 8.4	1.824	2.784	7.8	20.0
9 18	23 39.30	−25 15.0	1.841	2.792	8.2	20.0
9 28	23 30.29	−24 59.0	1.883	2.800	10.1	20.2
10 8	23 22.62	−24 20.2	1.950	2.808	12.5	20.3
10 18	23 16.95	−23 21.0	2.038	2.817	14.9	20.5

103321 2000 AX_{65} 9 17.3 145°.42 5°.6/10.7 18

8 9	0 4.81	−15 52.5	2.133	2.978	12.8	19.5
8 19	0 0.81	−17 12.1	2.070	2.984	10.1	19.3
8 29	23 54.86	−18 33.6	2.031	2.990	7.4	19.2
9 8	23 47.48	−19 49.6	2.018	2.995	5.7	19.1
9 18	23 39.39	−20 53.2	2.032	3.000	6.3	19.1
9 28	23 31.47	−21 38.4	2.074	3.005	8.5	19.3
10 8	23 24.57	−22 2.3	2.141	3.010	11.1	19.4
10 18	23 19.33	−22 4.4	2.230	3.014	13.6	19.6

107328 2001 CM_{16} 9 17.3 88°.14 2°.9/19.8 18

8 9	0 9.99	+ 6 3.4	1.876	2.661	16.5	19.4
8 19	0 5.04	+ 6 28.5	1.804	2.677	13.4	19.2
8 29	23 57.84	+ 6 38.4	1.753	2.692	9.8	19.0
9 8	23 48.97	+ 6 33.7	1.725	2.707	6.0	18.8
9 18	23 39.28	+ 6 16.6	1.724	2.723	3.0	18.7
9 28	23 29.80	+ 5 51.4	1.751	2.738	4.6	18.8
10 8	23 21.52	+ 5 23.4	1.806	2.753	8.2	19.1
10 18	23 15.19	+ 4 57.9	1.886	2.767	11.7	19.3

296634 2009 SX_{70} 9 17.3 299°.50 0°.2/17.6 16

8 9	23 54.78	+ 1 0.2	4.312	5.104	7.7	20.9
8 19	23 52.06	+ 0 34.1	4.213	5.098	6.1	20.7
8 29	23 48.45	+ 0 1.5	4.139	5.092	4.2	20.6
9 8	23 44.22	− 0 36.0	4.093	5.086	2.1	20.4
9 18	23 39.65	− 1 16.3	4.076	5.080	0.2	20.2
9 28	23 35.10	− 1 56.9	4.089	5.074	2.3	20.4
10 8	23 30.91	− 2 35.1	4.131	5.069	4.3	20.6
10 18	23 27.40	− 3 8.9	4.202	5.063	6.2	20.7

294040 2007 TH_{132} 9 17.3 50°.14 2°.1/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 3.75	+ 6 55.3	1.111	1.947	22.5	21.0
8 19	0 1.33	+ 6 26.5	1.062	1.966	18.1	20.7
8 29	23 55.84	+ 5 29.1	1.029	1.987	12.8	20.5
9 8	23 48.11	+ 4 7.7	1.016	2.008	7.1	20.3
9 18	23 39.35	+ 2 31.3	1.026	2.029	2.2	20.0
9 28	23 31.06	+ 0 52.3	1.060	2.051	5.8	20.3
10 8	23 24.57	− 0 36.9	1.118	2.073	11.1	20.7
10 18	23 20.72	− 1 47.5	1.197	2.095	15.7	21.1

402829 2007 FP_{10} 9 17.3 160°.47 1°.0/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.81	+ 3 28.0	2.705	3.491	12.0	22.4
8 19	23 58.82	+ 3 14.6	2.617	3.495	9.5	22.2
8 29	23 53.30	+ 2 50.2	2.551	3.498	6.7	22.1
9 8	23 46.67	+ 2 16.7	2.512	3.502	3.7	21.9
9 18	23 39.46	+ 1 36.9	2.501	3.505	1.0	21.7
9 28	23 32.32	+ 0 54.8	2.520	3.507	3.3	21.9
10 8	23 25.87	+ 0 14.5	2.568	3.510	6.4	22.1
10 18	23 20.67	− 0 20.2	2.642	3.512	9.2	22.3

217211 2002 TQ_{351} 9 17.3 10°.40 4°.2/20.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 59.64	+ 9 59.6	1.216	2.038	21.7	20.4
8 19	23 58.18	+ 9 59.8	1.147	2.040	17.9	20.2
8 29	23 53.84	+ 9 30.9	1.094	2.042	13.4	19.9
9 8	23 47.25	+ 8 33.8	1.061	2.045	8.5	19.7
9 18	23 39.41	+ 7 13.2	1.050	2.049	4.5	19.5
9 28	23 31.72	+ 5 39.0	1.063	2.053	5.9	19.6
10 8	23 25.53	+ 4 3.8	1.100	2.059	10.6	19.8
10 18	23 21.80	+ 2 39.1	1.158	2.066	15.2	20.1

449752 2014 OH_{32} 9 17.3 37°.03 0°.5/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.93	− 1 41.3	2.139	2.958	13.6	21.5
8 19	23 59.32	− 2 2.0	2.060	2.962	10.7	21.3
8 29	23 53.85	− 2 33.1	2.003	2.965	7.3	21.1
9 8	23 47.00	− 3 11.4	1.972	2.968	3.5	20.9
9 18	23 39.44	− 3 52.4	1.968	2.972	0.7	20.7
9 28	23 31.99	− 4 31.0	1.992	2.976	4.5	21.0
10 8	23 25.45	− 5 2.6	2.043	2.980	8.1	21.2
10 18	23 20.46	− 5 23.8	2.120	2.984	11.3	21.4

469603 2004 GC_{10} 9 17.3 124°.65 3°.5/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 11.52	− 9 43.7	1.788	2.622	15.3	21.3
8 19	0 6.30	−10 18.1	1.724	2.634	11.9	21.1
8 29	23 58.70	−10 58.1	1.682	2.646	8.1	20.9
9 8	23 49.38	−11 37.9	1.664	2.658	4.6	20.7
9 18	23 39.26	−12 11.0	1.674	2.669	3.9	20.7
9 28	23 29.44	−12 31.9	1.712	2.680	7.0	20.9
10 8	23 20.97	−12 37.2	1.776	2.690	10.6	21.2
10 18	23 14.58	−12 25.9	1.864	2.699	13.9	21.4

23132 2000 AT_{131} 9 17.3 136°.38 1°.6/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.72	+ 5 30.4	2.552	3.333	12.7	19.3
8 19	23 58.84	+ 5 21.0	2.466	3.339	10.3	19.1
8 29	23 53.37	+ 4 58.9	2.402	3.344	7.4	19.0
9 8	23 46.72	+ 4 25.8	2.364	3.350	4.2	18.8
9 18	23 39.46	+ 3 44.5	2.354	3.355	1.7	18.6
9 28	23 32.28	+ 2 59.1	2.373	3.360	3.4	18.7
10 8	23 25.86	+ 2 14.1	2.420	3.365	6.5	19.0
10 18	23 20.74	+ 1 33.9	2.494	3.370	9.4	19.1

402081 2003 UB_{214} 9 17.3 336°.89 1°.2/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.35	− 3 55.3	1.975	2.808	14.1	20.8
8 19	23 59.13	− 4 11.2	1.889	2.799	11.1	20.6
8 29	23 53.88	− 4 36.8	1.825	2.790	7.5	20.4
9 8	23 47.09	− 5 8.2	1.785	2.782	3.6	20.1
9 18	23 39.43	− 5 40.9	1.771	2.775	1.4	19.9
9 28	23 31.82	− 6 9.7	1.785	2.768	5.1	20.2
10 8	23 25.15	− 6 29.8	1.826	2.761	9.0	20.4
10 18	23 20.14	− 6 38.1	1.891	2.755	12.5	20.6

114255 2002 WG_{16} 9 17.3 358°.38 9°.7/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 59.21	−20 22.6	1.399	2.279	16.2	18.5
8 19	23 57.56	−22 17.4	1.347	2.276	13.2	18.3
8 29	23 53.22	−24 11.5	1.316	2.273	10.7	18.2
9 8	23 46.86	−25 52.3	1.308	2.272	9.7	18.1
9 18	23 39.45	−27 8.1	1.322	2.272	10.9	18.2
9 28	23 32.27	−27 50.8	1.359	2.273	13.5	18.3
10 8	23 26.52	−27 57.8	1.416	2.274	16.4	18.5
10 18	23 23.03	−27 31.0	1.491	2.277	19.1	18.7

407976 2012 DB_{45} 9 17.3 255°.96 0°.6/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 59.38	+ 1 53.5	2.489	3.294	12.4	21.1
8 19	23 56.41	+ 0 33.9	2.390	3.284	9.7	20.9
8 29	23 51.82	− 1 1.3	2.314	3.273	6.6	20.7
9 8	23 46.02	− 2 48.0	2.265	3.262	3.1	20.5
9 18	23 39.53	− 4 39.9	2.246	3.250	0.9	20.3
9 28	23 33.02	− 6 29.9	2.258	3.239	4.3	20.5
10 8	23 27.19	− 8 10.8	2.299	3.227	7.8	20.7
10 18	23 22.62	− 9 37.2	2.367	3.216	10.9	20.9

345795 2007 GA_{19} 9 17.3 60°.30 1°.5/16.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 7.41	− 3 25.9	1.507	2.345	17.4	21.4
8 19	0 3.40	− 3 52.2	1.451	2.364	13.6	21.2
8 29	23 56.86	− 4 30.7	1.415	2.382	9.1	21.0
9 8	23 48.51	− 5 16.1	1.403	2.401	4.4	20.7
9 18	23 39.34	− 6 1.6	1.417	2.420	1.8	20.6
9 28	23 30.55	− 6 40.3	1.457	2.439	6.0	20.9
10 8	23 23.23	− 7 6.6	1.522	2.458	10.4	21.2
10 18	23 18.11	− 7 17.5	1.610	2.477	14.1	21.5

163950 2003 UN_{22} 9 17.3 156°.09 6°.2/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 10.88	−18 23.3	1.955	2.794	14.0	19.8
8 19	0 5.74	−19 7.9	1.888	2.797	11.2	19.6
8 29	23 58.31	−19 51.3	1.844	2.799	8.3	19.4
9 8	23 49.21	−20 26.5	1.825	2.801	6.4	19.3
9 18	23 39.30	−20 47.1	1.833	2.803	6.7	19.4
9 28	23 29.66	−20 48.6	1.868	2.805	8.9	19.5
10 8	23 21.27	−20 29.2	1.928	2.806	11.8	19.7
10 18	23 14.86	−19 50.1	2.011	2.808	14.5	19.9

164260 2004 TW_{316} 9 17.3 64°.71 0°.1/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.76	+ 1 48.1	1.213	2.055	20.6	20.4
8 19	0 2.77	+ 1 10.9	1.156	2.069	16.3	20.2
8 29	23 56.80	+ 0 11.9	1.118	2.083	11.2	19.9
9 8	23 48.61	− 1 3.4	1.101	2.098	5.5	19.7
9 18	23 39.36	− 2 25.9	1.107	2.112	0.5	19.3
9 28	23 30.48	− 3 44.6	1.139	2.127	6.2	19.8
10 8	23 23.29	− 4 49.7	1.195	2.142	11.5	20.1
10 18	23 18.69	− 5 35.0	1.272	2.157	15.9	20.5

488777 2004 TX_{287} 9 17.3 341°.73 7°.1/24.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 54.12	+16 12.8	1.517	2.300	19.9	19.7
8 19	23 53.54	+16 42.1	1.421	2.278	17.2	19.5
8 29	23 50.60	+16 44.3	1.341	2.258	14.0	19.2
9 8	23 45.70	+16 16.7	1.280	2.238	10.6	19.0
9 18	23 39.57	+15 19.1	1.241	2.221	7.7	18.8
9 28	23 33.30	+13 56.3	1.225	2.205	7.3	18.7
10 8	23 28.09	+12 17.5	1.233	2.190	10.0	18.8
10 18	23 24.89	+10 34.3	1.264	2.178	13.7	19.0

130263 2000 DP_{42} 9 17.3 288°.51 0°.1/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.05	− 0 19.5	2.319	3.129	13.0	20.2
8 19	23 59.40	− 0 30.4	2.222	3.117	10.3	20.0
8 29	23 53.94	− 0 51.8	2.148	3.105	7.1	19.7
9 8	23 47.10	− 1 21.1	2.099	3.094	3.6	19.5
9 18	23 39.47	− 1 55.0	2.077	3.082	0.3	19.2
9 28	23 31.83	− 2 28.9	2.084	3.070	4.1	19.5
10 8	23 24.96	− 2 58.4	2.119	3.058	7.7	19.7
10 18	23 19.53	− 3 19.8	2.179	3.047	10.9	19.9

439458 2013 YE_{31} 9 17.3 246°.65 1°.1/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.55	+ 4 44.1	1.886	2.689	15.8	20.5
8 19	0 0.29	+ 4 13.6	1.790	2.678	12.8	20.3
8 29	23 54.83	+ 3 24.6	1.715	2.667	9.1	20.0
9 8	23 47.64	+ 2 19.4	1.663	2.655	4.9	19.7
9 18	23 39.44	+ 1 3.0	1.638	2.642	1.2	19.5
9 28	23 31.19	− 0 17.6	1.641	2.630	4.6	19.7
10 8	23 23.89	− 1 34.1	1.672	2.617	8.9	19.9
10 18	23 18.37	− 2 39.8	1.727	2.604	12.8	20.1

512670 2016 TE_{79} 9 17.3 69°.07 6°.8/24.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.00	+18 3.4	1.744	2.483	19.2	20.8
8 19	0 1.47	+18 29.8	1.675	2.500	16.4	20.6
8 29	23 55.58	+18 30.6	1.622	2.518	13.3	20.4
9 8	23 47.95	+18 4.5	1.590	2.535	10.0	20.3
9 18	23 39.42	+17 12.9	1.582	2.553	7.4	20.2
9 28	23 31.10	+16 0.9	1.599	2.570	7.0	20.2
10 8	23 24.02	+14 37.0	1.642	2.587	9.0	20.3
10 18	23 18.94	+13 10.4	1.710	2.605	11.9	20.6

276910 2004 TP_{10} 9 17.3 277°.63 7°.4/24.6 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 58.76	+21 52.9	1.194	1.961	25.0	21.0
8 19	23 57.97	+21 20.3	1.103	1.949	21.8	20.7
8 29	23 54.08	+19 59.6	1.025	1.936	17.8	20.4
9 8	23 47.58	+17 45.5	0.965	1.924	13.1	20.1
9 18	23 39.44	+14 39.5	0.926	1.911	8.6	19.8
9 28	23 31.19	+10 54.7	0.912	1.898	7.7	19.7
10 8	23 24.42	+ 6 54.5	0.923	1.886	11.7	19.9
10 18	23 20.37	+ 3 4.8	0.959	1.873	17.0	20.2

203945 2003 QN_{114} 9 17.3 329°.67 7°.3/22.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.25	+12 21.3	1.496	2.280	20.1	20.5
8 19	0 2.45	+13 34.1	1.404	2.265	17.2	20.2
8 29	23 56.83	+14 27.9	1.329	2.250	13.8	20.0
9 8	23 48.84	+14 59.0	1.275	2.236	10.2	19.7
9 18	23 39.35	+15 5.4	1.243	2.223	7.6	19.6
9 28	23 29.63	+14 48.9	1.235	2.211	7.9	19.5
10 8	23 21.10	+14 15.4	1.252	2.200	10.9	19.7
10 18	23 14.89	+13 33.5	1.290	2.190	14.6	19.9

24280 Rohenderson 9 17.3 342°.68 2°.9/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 3.88	+ 3 27.6	1.182	2.024	21.0	16.9
8 19	0 1.79	+ 4 2.2	1.105	2.014	17.2	16.6
8 29	23 56.55	+ 4 18.1	1.046	2.005	12.5	16.4
9 8	23 48.73	+ 4 15.5	1.006	1.997	7.2	16.0
9 18	23 39.37	+ 3 57.2	0.988	1.991	3.0	15.8
9 28	23 29.99	+ 3 29.2	0.994	1.985	6.1	16.0
10 8	23 22.16	+ 3 0.0	1.023	1.980	11.5	16.2
10 18	23 17.05	+ 2 37.0	1.072	1.977	16.5	16.5

227507 2005 XU_{114} 9 17.3 189°.71 2°.6/20.5 18

8 9	0 4.05	+ 8 11.8	2.752	3.512	12.4	20.7
8 19	23 59.84	+ 8 22.4	2.657	3.512	10.2	20.5
8 29	23 54.06	+ 8 20.6	2.583	3.511	7.6	20.3
9 8	23 47.10	+ 8 7.2	2.534	3.510	4.8	20.2
9 18	23 39.51	+ 7 43.6	2.513	3.508	2.8	20.0
9 28	23 31.92	+ 7 12.9	2.522	3.507	3.6	20.1
10 8	23 25.03	+ 6 39.0	2.560	3.505	6.2	20.2
10 18	23 19.37	+ 6 5.9	2.625	3.503	8.9	20.4

106887 2000 YC_{39} 9 17.3 349°.22 3°.2/14.7 18

8 9	23 56.75	− 4 51.8	1.179	2.055	18.8	18.1
8 19	23 56.02	− 5 43.0	1.109	2.045	14.8	17.8
8 29	23 52.46	− 6 51.4	1.058	2.035	10.0	17.5
9 8	23 46.63	− 8 9.2	1.028	2.028	5.1	17.2
9 18	23 39.54	− 9 26.0	1.021	2.021	3.8	17.1
9 28	23 32.54	−10 30.5	1.037	2.016	8.3	17.4
10 8	23 26.98	−11 13.7	1.075	2.013	13.4	17.7
10 18	23 23.85	−11 31.1	1.132	2.012	17.8	17.9

36580 2000 QZ_{124} 9 17.3 22°.60 1°.9/15.8 18

8 9	0 3.24	− 3 16.0	1.387	2.238	18.0	19.0
8 19	0 0.55	− 3 53.3	1.322	2.242	14.1	18.8
8 29	23 55.20	− 4 45.4	1.277	2.247	9.5	18.5
9 8	23 47.84	− 5 46.2	1.254	2.253	4.6	18.3
9 18	23 39.46	− 6 47.6	1.256	2.259	2.2	18.1
9 28	23 31.31	− 7 41.0	1.284	2.266	6.7	18.4
10 8	23 24.57	− 8 19.3	1.335	2.273	11.3	18.7
10 18	23 20.10	− 8 38.5	1.409	2.281	15.4	19.0

391190 2006 DO_{9} 9 17.3 238°.28 4°.0/13.1 18

8 9	0 4.47	− 9 14.6	1.906	2.748	14.2	21.2
8 19	0 0.94	−10 23.2	1.823	2.740	11.0	21.0
8 29	23 55.22	−11 40.6	1.764	2.731	7.6	20.8
9 8	23 47.82	−13 0.2	1.729	2.722	4.6	20.6
9 18	23 39.47	−14 14.1	1.722	2.712	4.6	20.5
9 28	23 31.16	−15 14.6	1.742	2.702	7.6	20.7
10 8	23 23.86	−15 56.2	1.788	2.692	11.1	20.9
10 18	23 18.35	−16 16.4	1.857	2.682	14.4	21.1

33003 1997 EJ 9 17.3 163°.95 1°.2/16.1 18

8 9	0 6.06	− 4 43.1	2.298	3.116	12.9	17.7
8 19	0 1.64	− 4 57.5	2.216	3.117	10.0	17.5
8 29	23 55.39	− 5 19.3	2.156	3.118	6.8	17.3
9 8	23 47.79	− 5 45.2	2.123	3.119	3.3	17.1
9 18	23 39.48	− 6 11.3	2.118	3.120	1.4	17.0
9 28	23 31.28	− 6 33.2	2.141	3.121	4.6	17.2
10 8	23 23.97	− 6 47.4	2.193	3.122	8.1	17.4
10 18	23 18.17	− 6 51.4	2.270	3.123	11.1	17.6

176399 2001 UU_{145} 9 17.3 355°.43 2°.6/14.8 18

8 9	0 2.95	− 6 27.9	1.843	2.684	14.6	20.0
8 19	23 59.71	− 7 9.0	1.767	2.683	11.4	19.8
8 29	23 54.34	− 7 59.4	1.714	2.682	7.7	19.6
9 8	23 47.35	− 8 53.7	1.685	2.681	4.0	19.3
9 18	23 39.52	− 9 45.6	1.682	2.681	3.0	19.3
9 28	23 31.80	−10 28.5	1.706	2.681	6.3	19.5
10 8	23 25.15	−10 57.3	1.757	2.681	10.1	19.7
10 18	23 20.28	−11 9.4	1.830	2.681	13.4	19.9

236992 2008 RF_{9} 9 17.3 130°.46 0°.3/17.5 18

8 9	0 12.41	− 0 59.2	2.014	2.816	15.0	20.2
8 19	0 6.79	− 0 52.9	1.939	2.828	11.9	20.0
8 29	23 58.98	− 0 56.7	1.885	2.839	8.2	19.8
9 8	23 49.57	− 1 8.1	1.856	2.850	4.1	19.6
9 18	23 39.36	− 1 23.6	1.856	2.861	0.3	19.3
9 28	23 29.36	− 1 39.3	1.885	2.871	4.4	19.7
10 8	23 20.52	− 1 50.8	1.943	2.880	8.4	19.9
10 18	23 13.56	− 1 55.2	2.026	2.889	11.8	20.2

83985 2002 JV_{42} 9 17.3 88°.87 4°.3/13.0 18

8 9	0 4.51	−10 1.1	1.761	2.609	14.9	19.7
8 19	0 0.99	−11 7.7	1.695	2.614	11.6	19.5
8 29	23 55.22	−12 21.7	1.652	2.620	7.9	19.3
9 8	23 47.78	−13 35.6	1.633	2.625	4.9	19.2
9 18	23 39.50	−14 41.5	1.641	2.630	4.9	19.2
9 28	23 31.42	−15 32.1	1.676	2.635	7.9	19.4
10 8	23 24.51	−16 2.6	1.735	2.641	11.3	19.6
10 18	23 19.52	−16 11.7	1.817	2.646	14.5	19.8

113278 2002 RM_{159} 9 17.3 49°.11 1°.7/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 1.33	− 1 50.1	1.721	2.558	15.7	19.4
8 19	23 58.54	− 2 53.4	1.652	2.564	12.2	19.2
8 29	23 53.57	− 4 11.7	1.604	2.571	8.2	18.9
9 8	23 46.98	− 5 39.0	1.580	2.578	3.9	18.7
9 18	23 39.56	− 7 7.3	1.583	2.585	2.1	18.6
9 28	23 32.31	− 8 28.0	1.613	2.592	6.0	18.9
10 8	23 26.17	− 9 33.8	1.669	2.600	10.0	19.1
10 18	23 21.86	−10 20.4	1.749	2.607	13.6	19.4

138923 2001 AS_{40} 9 17.3 139°.57 1°.3/19.0 18

8 9	0 3.51	+ 4 36.5	2.783	3.561	11.9	20.6
8 19	23 59.30	+ 4 25.3	2.699	3.570	9.5	20.4
8 29	23 53.62	+ 4 2.9	2.637	3.580	6.8	20.3
9 8	23 46.87	+ 3 31.0	2.602	3.589	3.8	20.1
9 18	23 39.58	+ 2 52.4	2.595	3.598	1.3	19.9
9 28	23 32.37	+ 2 10.7	2.619	3.606	3.2	20.1
10 8	23 25.88	+ 1 30.0	2.671	3.614	6.1	20.3
10 18	23 20.60	+ 0 54.1	2.751	3.622	8.8	20.5

488319 2016 UP_{90} 9 17.3 346°.51 2°.5/15.2 18

8 9	0 6.20	− 6 47.5	1.739	2.579	15.4	21.0
8 19	0 2.40	− 7 14.1	1.663	2.577	12.1	20.8
8 29	23 56.25	− 7 49.4	1.609	2.576	8.2	20.6
9 8	23 48.32	− 8 28.2	1.578	2.575	4.2	20.3
9 18	23 39.46	− 9 4.6	1.574	2.574	2.8	20.2
9 28	23 30.74	− 9 32.3	1.597	2.573	6.4	20.5
10 8	23 23.19	− 9 46.6	1.645	2.572	10.4	20.7
10 18	23 17.62	− 9 45.4	1.717	2.572	14.0	20.9

302754 2002 VN_{22} 9 17.3 306°.97 6°.7/10.7 17

8 9	0 3.39	−15 2.5	1.699	2.558	14.8	20.8
8 19	0 0.70	−16 19.2	1.602	2.525	11.9	20.6
8 29	23 55.47	−17 42.9	1.527	2.491	8.8	20.3
9 8	23 48.14	−19 5.2	1.476	2.458	6.8	20.1
9 18	23 39.47	−20 16.0	1.450	2.424	7.5	20.1
9 28	23 30.59	−21 6.1	1.449	2.391	10.6	20.2
10 8	23 22.73	−21 29.5	1.472	2.358	14.2	20.3
10 18	23 16.90	−21 24.2	1.514	2.325	17.8	20.5

294476 2007 VY_{332} 9 17.3 329°.25 2°.0/19.0 18

8 9	0 4.98	+ 4 1.8	1.768	2.575	16.5	20.9
8 19	0 1.50	+ 4 11.5	1.682	2.571	13.4	20.7
8 29	23 55.71	+ 4 5.7	1.616	2.566	9.6	20.4
9 8	23 48.11	+ 3 45.8	1.573	2.562	5.5	20.2
9 18	23 39.49	+ 3 14.9	1.555	2.558	2.0	19.9
9 28	23 30.89	+ 2 38.2	1.565	2.554	4.6	20.1
10 8	23 23.38	+ 2 1.8	1.601	2.550	8.8	20.4
10 18	23 17.77	+ 1 31.4	1.661	2.547	12.7	20.6

121919 2000 DN_{84} 9 17.3 342°.75 2°.3/19.6 18

8 9	0 3.60	+ 5 39.1	2.192	2.981	14.3	19.2
8 19	23 59.93	+ 5 50.8	2.103	2.978	11.7	19.0
8 29	23 54.36	+ 5 48.9	2.034	2.975	8.5	18.8
9 8	23 47.36	+ 5 34.5	1.989	2.973	5.1	18.6
9 18	23 39.56	+ 5 9.7	1.971	2.971	2.4	18.4
9 28	23 31.78	+ 4 38.5	1.982	2.969	4.0	18.5
10 8	23 24.87	+ 4 5.7	2.020	2.968	7.4	18.7
10 18	23 19.48	+ 3 36.0	2.083	2.966	10.7	18.9

363724 2004 VP_{64} 9 17.3 338°.68 7°.1/24.5 18

8 9	23 56.13	+17 24.6	1.668	2.432	19.1	19.6
8 19	23 54.94	+17 52.8	1.570	2.413	16.6	19.4
8 29	23 51.47	+17 55.2	1.489	2.395	13.6	19.1
9 8	23 46.13	+17 29.2	1.427	2.378	10.4	18.9
9 18	23 39.64	+16 34.6	1.387	2.362	7.7	18.7
9 28	23 33.03	+15 15.6	1.372	2.347	7.3	18.7
10 8	23 27.41	+13 40.6	1.381	2.334	9.6	18.8
10 18	23 23.68	+12 0.1	1.413	2.322	13.0	18.9

384547 2010 EH_{79} 9 17.3 89°.11 1°.4/15.8 18 R

8 9	0 2.24	− 1 3.3	1.791	2.621	15.4	20.7
8 19	23 59.18	− 2 5.2	1.719	2.627	12.1	20.5
8 29	23 53.98	− 3 22.3	1.668	2.633	8.1	20.3
9 8	23 47.19	− 4 49.1	1.641	2.639	3.8	20.0
9 18	23 39.58	− 6 18.0	1.642	2.645	1.7	19.9
9 28	23 32.11	− 7 40.6	1.670	2.650	5.6	20.2
10 8	23 25.72	− 8 49.5	1.725	2.656	9.7	20.4
10 18	23 21.12	− 9 40.2	1.804	2.662	13.3	20.7

389061 2008 WJ 9 17.3 247°.56 0°.7/16.5 18

8 9	0 4.36	− 0 47.1	2.108	2.923	14.0	21.7
8 19	0 0.71	− 1 27.0	2.009	2.907	11.1	21.5
8 29	23 55.03	− 2 20.3	1.931	2.891	7.6	21.3
9 8	23 47.75	− 3 23.5	1.878	2.875	3.7	21.0
9 18	23 39.53	− 4 31.3	1.854	2.858	1.0	20.8
9 28	23 31.25	− 5 37.1	1.858	2.840	4.9	21.0
10 8	23 23.80	− 6 34.5	1.889	2.822	8.9	21.2
10 18	23 17.95	− 7 18.7	1.946	2.804	12.5	21.4

209993 2006 HB_{122} 9 17.3 358°.15 5°.7/11.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 56.61	− 8 43.3	1.354	2.229	16.9	19.4
8 19	23 55.52	−10 34.8	1.291	2.226	13.1	19.2
8 29	23 51.89	−12 40.2	1.249	2.224	9.0	18.9
9 8	23 46.30	−14 48.1	1.230	2.222	6.0	18.8
9 18	23 39.65	−16 45.5	1.236	2.222	6.7	18.8
9 28	23 33.15	−18 20.2	1.266	2.223	10.2	19.0
10 8	23 27.94	−19 24.5	1.319	2.224	14.2	19.2
10 18	23 24.88	−19 55.9	1.392	2.227	17.8	19.5

230312 2002 BF_{15} 9 17.3 138°.38 0°.4/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.55	+ 0 25.4	1.886	2.703	15.3	20.7
8 19	0 0.88	− 0 15.5	1.810	2.709	12.0	20.5
8 29	23 55.10	− 1 11.2	1.755	2.715	8.2	20.3
9 8	23 47.74	− 2 17.3	1.724	2.721	4.0	20.0
9 18	23 39.55	− 3 28.0	1.721	2.726	0.6	19.8
9 28	23 31.51	− 4 36.0	1.746	2.731	4.9	20.1
10 8	23 24.52	− 5 34.7	1.798	2.735	9.0	20.4
10 18	23 19.31	− 6 19.3	1.875	2.740	12.5	20.6

438798 2008 YQ_{30} 9 17.3 333°.62 0°.6/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 58.79	− 0 10.9	1.330	2.183	18.5	20.7
8 19	23 57.44	− 0 36.6	1.246	2.166	14.7	20.4
8 29	23 53.40	− 1 21.7	1.181	2.150	10.2	20.1
9 8	23 47.15	− 2 22.0	1.137	2.135	5.0	19.7
9 18	23 39.59	− 3 30.4	1.117	2.121	0.8	19.4
9 28	23 31.97	− 4 37.2	1.121	2.109	6.3	19.8
10 8	23 25.62	− 5 33.0	1.148	2.097	11.6	20.0
10 18	23 21.55	− 6 10.7	1.197	2.086	16.3	20.3

516059 2015 TY_{182} 9 17.3 257°.68 2°.1/20.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.48	+ 8 21.1	2.406	3.181	13.6	21.5
8 19	23 57.38	+ 7 55.8	2.304	3.171	11.1	21.3
8 29	23 52.59	+ 7 13.8	2.224	3.161	8.1	21.1
9 8	23 46.49	+ 6 16.7	2.169	3.151	4.9	20.9
9 18	23 39.65	+ 5 7.6	2.141	3.141	2.3	20.7
9 28	23 32.80	+ 3 51.9	2.142	3.130	3.7	20.8
10 8	23 26.66	+ 2 35.8	2.171	3.119	7.0	21.0
10 18	23 21.86	+ 1 25.0	2.228	3.109	10.1	21.2

19943 1981 EB_{31} 9 17.3 179°.94 0°.4/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.78	− 0 18.3	2.526	3.333	12.1	19.7
8 19	23 58.19	− 0 58.0	2.439	3.334	9.5	19.5
8 29	23 53.01	− 1 48.6	2.376	3.334	6.5	19.3
9 8	23 46.64	− 2 46.8	2.339	3.335	3.1	19.1
9 18	23 39.66	− 3 48.2	2.330	3.334	0.6	18.9
9 28	23 32.73	− 4 47.7	2.351	3.334	4.0	19.1
10 8	23 26.53	− 5 40.4	2.400	3.333	7.2	19.3
10 18	23 21.63	− 6 22.6	2.476	3.332	10.2	19.5

377987 2006 QJ_{157} 9 17.3 352°.37 0°.8/16.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.57	− 0 18.4	1.199	2.056	19.9	20.8
8 19	23 59.79	− 0 49.3	1.130	2.052	15.8	20.5
8 29	23 55.04	− 1 40.6	1.078	2.048	10.8	20.2
9 8	23 47.95	− 2 47.0	1.047	2.046	5.2	19.9
9 18	23 39.56	− 4 0.2	1.040	2.044	1.1	19.6
9 28	23 31.29	− 5 9.4	1.056	2.043	6.7	20.0
10 8	23 24.54	− 6 4.7	1.096	2.043	12.2	20.3
10 18	23 20.34	− 6 39.6	1.155	2.044	16.9	20.6

271810 2004 TX_{102} 9 17.3 8°.28 2°.2/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 12.23	−11 28.6	0.879	1.762	23.1	18.5
8 19	0 8.91	−10 10.6	0.828	1.765	18.3	18.3
8 29	0 1.55	− 8 51.6	0.794	1.770	12.6	18.0
9 8	23 51.14	− 7 28.8	0.780	1.779	6.3	17.7
9 18	23 39.34	− 6 1.3	0.786	1.790	2.4	17.5
9 28	23 28.22	− 4 29.3	0.815	1.804	7.8	17.9
10 8	23 19.59	− 2 54.5	0.866	1.820	13.6	18.3
10 18	23 14.50	− 1 18.5	0.936	1.839	18.5	18.6

472362 2015 BW_{30} 9 17.3 86°.30 1°.0/16.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.08	− 0 48.0	1.597	2.427	17.0	21.6
8 19	0 2.32	− 1 34.8	1.537	2.444	13.3	21.4
8 29	23 56.16	− 2 36.9	1.496	2.461	9.0	21.2
9 8	23 48.26	− 3 48.7	1.480	2.478	4.3	21.0
9 18	23 39.55	− 5 2.7	1.490	2.494	1.3	20.8
9 28	23 31.13	− 6 10.6	1.527	2.510	5.7	21.2
10 8	23 24.04	− 7 5.4	1.591	2.527	10.0	21.5
10 18	23 19.03	− 7 42.9	1.677	2.542	13.7	21.7

505707 2015 AU_{111} 9 17.3 209°.05 0°.1/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.53	+ 1 17.2	1.598	2.420	17.4	22.1
8 19	0 2.96	+ 0 49.4	1.516	2.417	13.8	21.8
8 29	23 56.85	+ 0 4.0	1.454	2.414	9.6	21.6
9 8	23 48.74	− 0 55.3	1.416	2.411	4.8	21.3
9 18	23 39.51	− 2 2.2	1.403	2.408	0.3	20.9
9 28	23 30.34	− 3 8.6	1.417	2.404	5.4	21.3
10 8	23 22.40	− 4 6.6	1.457	2.399	10.2	21.6
10 18	23 16.59	− 4 50.1	1.521	2.395	14.4	21.8

324171 2006 AJ 9 17.3 243°.45 2°.4/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 1.48	+ 9 3.5	2.703	3.465	12.5	21.2
8 19	23 57.98	+ 8 48.5	2.595	3.452	10.3	21.0
8 29	23 52.91	+ 8 18.7	2.509	3.439	7.7	20.8
9 8	23 46.64	+ 7 35.3	2.447	3.425	4.8	20.6
9 18	23 39.67	+ 6 40.4	2.414	3.411	2.5	20.5
9 28	23 32.65	+ 5 38.3	2.410	3.396	3.5	20.5
10 8	23 26.27	+ 4 34.0	2.434	3.381	6.4	20.7
10 18	23 21.08	+ 3 32.6	2.487	3.366	9.3	20.8

485835 2012 DS_{74} 9 17.3 244°.33 1°.7/19.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.02	+ 4 33.3	2.598	3.377	12.6	22.3
8 19	0 0.79	+ 4 36.6	2.492	3.364	10.2	22.1
8 29	23 54.86	+ 4 28.5	2.409	3.351	7.4	21.9
9 8	23 47.61	+ 4 10.1	2.352	3.338	4.2	21.7
9 18	23 39.60	+ 3 43.5	2.323	3.324	1.7	21.5
9 28	23 31.53	+ 3 12.3	2.323	3.310	3.5	21.6
10 8	23 24.14	+ 2 40.4	2.352	3.296	6.8	21.8
10 18	23 18.07	+ 2 11.9	2.408	3.281	9.8	21.9

307072 2002 AQ_{33} 9 17.3 9°.69 4°.1/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.13	−10 45.4	1.798	2.647	14.6	20.0
8 19	0 0.69	−11 31.9	1.728	2.648	11.4	19.8
8 29	23 55.04	−12 24.2	1.681	2.649	7.8	19.6
9 8	23 47.74	−13 15.9	1.658	2.650	4.8	19.4
9 18	23 39.60	−14 0.1	1.661	2.652	4.6	19.4
9 28	23 31.63	−14 30.7	1.691	2.654	7.5	19.6
10 8	23 24.79	−14 43.5	1.746	2.657	11.0	19.8
10 18	23 19.83	−14 37.5	1.824	2.660	14.1	20.0

465209 2007 PN_{30} 9 17.3 1°.22 0°.1/17.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.27	− 4 2.2	0.854	1.739	23.4	19.7
8 19	0 2.91	− 3 19.1	0.798	1.735	18.7	19.4
8 29	23 57.72	− 2 48.8	0.756	1.733	13.0	19.0
9 8	23 49.43	− 2 28.2	0.733	1.732	6.5	18.7
9 18	23 39.47	− 2 13.0	0.729	1.734	0.5	18.3
9 28	23 29.80	− 1 57.3	0.747	1.738	7.3	18.8
10 8	23 22.29	− 1 35.2	0.784	1.744	13.6	19.2
10 18	23 18.15	− 1 3.1	0.840	1.752	19.0	19.5

322283 2011 FK_{14} 9 17.3 321°.58 0°.1/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 59.56	+ 0 35.1	2.425	3.236	12.5	20.8
8 19	23 56.58	+ 0 0.4	2.335	3.231	9.8	20.6
8 29	23 51.99	− 0 46.0	2.268	3.227	6.7	20.4
9 8	23 46.19	− 1 41.1	2.227	3.222	3.3	20.2
9 18	23 39.73	− 2 40.7	2.213	3.218	0.3	19.9
9 28	23 33.30	− 3 39.4	2.228	3.214	3.9	20.2
10 8	23 27.60	− 4 32.3	2.272	3.210	7.3	20.4
10 18	23 23.20	− 5 15.2	2.341	3.206	10.4	20.6

254428 2004 XF_{15} 9 17.3 252°.50 4°.2/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.08	−14 34.8	2.679	3.515	10.7	20.4
8 19	23 59.23	−15 31.7	2.590	3.500	8.4	20.3
8 29	23 53.76	−16 31.4	2.525	3.484	6.1	20.1
9 8	23 47.06	−17 28.7	2.487	3.468	4.4	20.0
9 18	23 39.67	−18 18.4	2.477	3.452	4.7	20.0
9 28	23 32.28	−18 55.6	2.495	3.436	6.8	20.1
10 8	23 25.59	−19 17.4	2.541	3.419	9.3	20.2
10 18	23 20.18	−19 22.2	2.610	3.403	11.6	20.4

481684 2008 AP_{7} 9 17.3 310°.73 1°.9/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.31	+ 4 10.7	1.663	2.479	17.0	21.0
8 19	23 59.91	+ 4 11.7	1.552	2.447	13.9	20.7
8 29	23 55.01	+ 3 55.0	1.461	2.415	10.1	20.4
9 8	23 48.00	+ 3 21.3	1.392	2.382	5.8	20.1
9 18	23 39.58	+ 2 33.8	1.347	2.350	1.9	19.7
9 28	23 30.84	+ 1 38.4	1.329	2.319	5.1	19.9
10 8	23 23.00	+ 0 43.0	1.336	2.288	10.0	20.1
10 18	23 17.13	− 0 4.8	1.366	2.257	14.6	20.3

356422 2010 VO_{24} 9 17.3 283°.03 1°.5/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 56.43	− 8 41.1	4.326	5.147	7.2	21.3
8 19	23 53.37	− 9 9.1	4.234	5.139	5.6	21.1
8 29	23 49.40	− 9 40.0	4.168	5.131	3.8	21.0
9 8	23 44.79	−10 11.5	4.129	5.123	2.0	20.9
9 18	23 39.84	−10 41.4	4.120	5.115	1.7	20.8
9 28	23 34.91	−11 7.2	4.140	5.107	3.3	21.0
10 8	23 30.36	−11 26.9	4.190	5.099	5.1	21.1
10 18	23 26.50	−11 39.1	4.266	5.091	6.9	21.2

245412 2005 JR_{18} 9 17.3 8°.07 4°.4/21.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 56.91	+10 18.9	1.317	2.136	20.5	19.9
8 19	23 55.83	+10 26.9	1.249	2.138	17.0	19.6
8 29	23 52.15	+10 8.2	1.197	2.142	12.9	19.4
9 8	23 46.47	+ 9 23.3	1.166	2.147	8.4	19.2
9 18	23 39.71	+ 8 16.5	1.157	2.153	4.7	19.0
9 28	23 33.09	+ 6 55.9	1.172	2.161	5.7	19.1
10 8	23 27.81	+ 5 32.4	1.211	2.171	9.8	19.3
10 18	23 24.72	+ 4 16.2	1.272	2.182	14.0	19.6

312626 2009 TU_{15} 9 17.3 292°.02 2°.3/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 56.27	−12 40.7	4.334	5.163	7.1	20.0
8 19	23 53.26	−13 15.3	4.247	5.155	5.5	19.8
8 29	23 49.34	−13 51.5	4.186	5.148	3.8	19.7
9 8	23 44.77	−14 26.7	4.153	5.140	2.5	19.6
9 18	23 39.86	−14 58.3	4.148	5.132	2.5	19.6
9 28	23 34.97	−15 24.0	4.174	5.125	3.9	19.7
10 8	23 30.47	−15 41.8	4.227	5.117	5.6	19.8
10 18	23 26.68	−15 50.6	4.307	5.109	7.2	19.9

75886 2000 CZ_{33} 9 17.3 269°.83 0°.9/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.95	+ 1 49.8	2.003	2.808	14.9	20.1
8 19	0 2.10	+ 1 47.4	1.903	2.793	12.0	19.9
8 29	23 56.09	+ 1 31.9	1.824	2.777	8.5	19.6
9 8	23 48.35	+ 1 5.2	1.770	2.762	4.5	19.3
9 18	23 39.59	+ 0 30.6	1.742	2.746	0.9	19.0
9 28	23 30.74	− 0 6.8	1.743	2.730	4.4	19.3
10 8	23 22.79	− 0 41.5	1.770	2.714	8.6	19.5
10 18	23 16.56	− 1 8.7	1.823	2.698	12.3	19.7

195079 2002 CL_{107} 9 17.3 152°.07 1°.8/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.54	− 4 2.9	2.101	2.923	13.7	21.4
8 19	0 1.42	− 4 53.1	2.026	2.931	10.7	21.2
8 29	23 55.36	− 5 53.6	1.973	2.937	7.2	21.0
9 8	23 47.87	− 6 59.6	1.947	2.943	3.5	20.8
9 18	23 39.64	− 8 5.0	1.948	2.949	2.1	20.7
9 28	23 31.55	− 9 3.4	1.979	2.954	5.4	21.0
10 8	23 24.43	− 9 49.7	2.036	2.959	9.0	21.2
10 18	23 18.95	−10 20.7	2.119	2.963	12.1	21.4

482201 2010 VV_{115} 9 17.3 9°.26 4°.7/13.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.62	−14 5.0	1.831	2.677	14.5	20.5
8 19	0 3.36	−14 30.5	1.762	2.678	11.4	20.3
8 29	23 56.83	−14 57.6	1.716	2.680	8.0	20.1
9 8	23 48.62	−15 20.4	1.693	2.682	5.2	19.9
9 18	23 39.59	−15 33.2	1.698	2.685	5.1	19.9
9 28	23 30.79	−15 31.4	1.729	2.688	7.7	20.1
10 8	23 23.21	−15 12.6	1.785	2.692	11.0	20.3
10 18	23 17.58	−14 37.1	1.865	2.696	14.1	20.5

52022 2002 NQ_{52} 9 17.3 67°.46 2°.0/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 8.13	− 2 44.5	1.321	2.166	19.1	19.9
8 19	0 4.27	− 3 34.1	1.273	2.190	14.8	19.7
8 29	23 57.63	− 4 38.9	1.245	2.214	9.9	19.4
9 8	23 49.02	− 5 51.4	1.239	2.238	4.7	19.2
9 18	23 39.57	− 7 2.5	1.259	2.262	2.3	19.1
9 28	23 30.62	− 8 3.2	1.304	2.285	6.8	19.5
10 8	23 23.33	− 8 46.5	1.374	2.309	11.4	19.8
10 18	23 18.48	− 9 9.5	1.466	2.333	15.3	20.1

506443 2001 CM_{35} 9 17.3 159°.76 3°.1/13.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.56	−11 3.6	2.897	3.716	10.4	23.5
8 19	0 1.62	−11 58.3	2.823	3.726	8.1	23.4
8 29	23 55.19	−12 56.6	2.775	3.735	5.6	23.2
9 8	23 47.69	−13 53.9	2.755	3.743	3.5	23.1
9 18	23 39.67	−14 45.6	2.764	3.751	3.4	23.1
9 28	23 31.76	−15 27.5	2.804	3.757	5.5	23.3
10 8	23 24.59	−15 56.7	2.872	3.762	7.9	23.4
10 18	23 18.68	−16 11.9	2.966	3.767	10.2	23.6

254905 2005 SW_{86} 9 17.3 312°.47 1°.0/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.10	− 2 44.7	1.988	2.815	14.2	21.1
8 19	23 59.76	− 3 9.3	1.902	2.808	11.2	20.9
8 29	23 54.39	− 3 44.8	1.837	2.801	7.6	20.7
9 8	23 47.47	− 4 27.6	1.796	2.794	3.7	20.4
9 18	23 39.67	− 5 12.7	1.783	2.787	1.2	20.3
9 28	23 31.92	− 5 54.3	1.797	2.780	5.0	20.5
10 8	23 25.10	− 6 27.2	1.839	2.774	8.9	20.7
10 18	23 19.93	− 6 47.6	1.904	2.767	12.4	20.9

202767 2007 RA_{220} 9 17.3 235°.90 0°.5/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.31	+ 1 43.2	2.265	3.064	13.6	21.8
8 19	0 1.29	+ 1 25.7	2.165	3.052	10.9	21.6
8 29	23 55.36	+ 0 55.6	2.087	3.040	7.6	21.4
9 8	23 47.93	+ 0 15.1	2.034	3.027	3.9	21.1
9 18	23 39.64	− 0 31.9	2.009	3.014	0.5	20.8
9 28	23 31.31	− 1 20.5	2.013	3.000	4.1	21.1
10 8	23 23.78	− 2 5.4	2.046	2.986	7.8	21.3
10 18	23 17.75	− 2 41.9	2.104	2.971	11.3	21.5

138931 2001 BJ_{4} 9 17.3 154°.38 0°.3/17.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 10.62	− 0 55.8	1.944	2.751	15.2	20.1
8 19	0 5.62	− 0 46.9	1.862	2.754	12.1	19.9
8 29	23 58.36	− 0 48.4	1.801	2.757	8.4	19.7
9 8	23 49.41	− 0 57.9	1.765	2.759	4.2	19.4
9 18	23 39.55	− 1 12.0	1.757	2.761	0.4	19.1
9 28	23 29.80	− 1 26.5	1.777	2.764	4.6	19.5
10 8	23 21.17	− 1 37.2	1.825	2.765	8.6	19.7
10 18	23 14.43	− 1 40.6	1.899	2.767	12.2	19.9

243662 1999 VW_{71} 9 17.3 344°.64 9°.1/25.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 57.87	+18 9.2	1.363	2.138	22.1	19.4
8 19	23 56.86	+19 8.6	1.278	2.126	19.3	19.1
8 29	23 53.12	+19 39.9	1.209	2.115	16.1	18.9
9 8	23 47.11	+19 38.5	1.157	2.104	12.7	18.7
9 18	23 39.70	+19 2.6	1.126	2.096	9.9	18.5
9 28	23 32.17	+17 55.6	1.117	2.088	9.2	18.5
10 8	23 25.89	+16 26.7	1.130	2.082	11.3	18.6
10 18	23 21.97	+14 48.3	1.165	2.078	14.8	18.7

10197 Senigalliesi 9 17.3 31°.34 0°.4/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.96	− 0 57.6	1.840	2.664	15.3	17.7
8 19	0 0.51	− 1 17.1	1.764	2.668	12.1	17.5
8 29	23 54.91	− 1 49.3	1.710	2.672	8.2	17.3
9 8	23 47.71	− 2 30.3	1.679	2.676	4.0	17.0
9 18	23 39.67	− 3 15.3	1.676	2.680	0.6	16.8
9 28	23 31.77	− 3 58.2	1.699	2.685	4.9	17.1
10 8	23 24.94	− 4 33.4	1.749	2.690	8.9	17.4
10 18	23 19.90	− 4 56.8	1.824	2.695	12.5	17.6

199018 2005 WB_{94} 9 17.3 36°.00 1°.9/18.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.53	+ 4 6.9	1.011	1.863	23.1	20.5
8 19	0 2.43	+ 4 4.1	0.958	1.873	18.6	20.2
8 29	23 56.96	+ 3 35.6	0.920	1.884	13.2	20.0
9 8	23 48.92	+ 2 44.7	0.901	1.896	7.1	19.7
9 18	23 39.59	+ 1 38.8	0.904	1.908	1.9	19.4
9 28	23 30.65	+ 0 29.2	0.930	1.922	6.3	19.7
10 8	23 23.63	− 0 32.7	0.978	1.936	11.9	20.1
10 18	23 19.52	− 1 18.6	1.047	1.950	16.9	20.4

383163 2005 UJ_{477} 9 17.3 340°.75 1°.5/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.42	− 1 52.8	1.264	2.123	18.9	20.6
8 19	23 58.81	− 2 26.8	1.189	2.113	15.0	20.3
8 29	23 54.37	− 3 19.2	1.132	2.104	10.2	20.0
9 8	23 47.67	− 4 24.6	1.097	2.096	4.9	19.7
9 18	23 39.67	− 5 34.6	1.086	2.089	1.8	19.5
9 28	23 31.72	− 6 38.8	1.098	2.083	6.9	19.8
10 8	23 25.17	− 7 28.1	1.134	2.078	12.2	20.1
10 18	23 21.03	− 7 56.8	1.190	2.074	16.8	20.4

103533 2000 BS_{14} 9 17.3 316°.80 1°.0/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 8.66	− 1 8.6	1.518	2.348	17.8	18.1
8 19	0 5.22	− 0 34.9	1.414	2.318	14.4	17.8
8 29	23 58.87	− 0 11.0	1.329	2.289	10.3	17.5
9 8	23 50.01	+ 0 4.3	1.266	2.261	5.4	17.1
9 18	23 39.49	+ 0 13.3	1.229	2.233	1.0	16.7
9 28	23 28.62	+ 0 19.9	1.217	2.206	5.7	17.0
10 8	23 18.85	+ 0 28.7	1.230	2.179	11.0	17.2
10 18	23 11.40	+ 0 43.8	1.267	2.153	15.8	17.4

433298 2013 ES_{2} 9 17.3 303°.04 2°.9/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 57.56	−15 28.5	4.090	4.921	7.4	20.6
8 19	23 54.32	−16 2.6	4.005	4.912	5.8	20.4
8 29	23 50.10	−16 37.3	3.946	4.904	4.2	20.3
9 8	23 45.17	−17 9.6	3.914	4.895	3.0	20.2
9 18	23 39.87	−17 36.8	3.912	4.886	3.2	20.2
9 28	23 34.60	−17 56.4	3.938	4.878	4.5	20.3
10 8	23 29.76	−18 6.7	3.992	4.869	6.2	20.4
10 18	23 25.70	−18 6.8	4.071	4.861	7.8	20.5

296628 2009 SN_{58} 9 17.3 347°.98 0°.9/19.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 56.39	+ 3 54.8	4.277	5.053	8.1	20.9
8 19	23 53.35	+ 3 45.5	4.181	5.052	6.4	20.8
8 29	23 49.41	+ 3 29.1	4.109	5.052	4.6	20.7
9 8	23 44.82	+ 3 7.0	4.064	5.051	2.6	20.5
9 18	23 39.90	+ 2 40.6	4.048	5.051	0.9	20.4
9 28	23 34.99	+ 2 12.3	4.063	5.050	2.1	20.5
10 8	23 30.47	+ 1 44.2	4.106	5.050	4.1	20.7
10 18	23 26.65	+ 1 18.6	4.178	5.049	6.0	20.8

41022 1999 UZ_{36} 9 17.3 34°.09 0°.1/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.67	+ 0 50.4	1.478	2.312	17.9	19.5
8 19	0 0.74	+ 0 30.0	1.413	2.321	14.2	19.3
8 29	23 55.29	− 0 7.4	1.366	2.330	9.8	19.1
9 8	23 47.96	− 0 57.5	1.343	2.339	4.9	18.8
9 18	23 39.67	− 1 54.2	1.344	2.349	0.3	18.5
9 28	23 31.61	− 2 49.5	1.372	2.359	5.3	18.9
10 8	23 24.89	− 3 36.0	1.424	2.370	10.0	19.2
10 18	23 20.32	− 4 8.5	1.499	2.382	14.1	19.5

401647 2013 GA_{98} 9 17.3 111°.21 5°.8/24.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.92	+18 25.5	2.566	3.266	14.6	21.0
8 19	0 1.50	+19 0.5	2.482	3.279	12.5	20.9
8 29	23 55.33	+19 18.0	2.417	3.292	10.3	20.8
9 8	23 47.85	+19 16.7	2.374	3.304	7.9	20.6
9 18	23 39.68	+18 56.9	2.358	3.316	6.2	20.5
9 28	23 31.57	+18 21.0	2.368	3.328	5.9	20.5
10 8	23 24.28	+17 33.6	2.407	3.339	7.3	20.7
10 18	23 18.42	+16 40.1	2.472	3.351	9.4	20.8

153229 2000 YE_{85} 9 17.3 297°.06 0°.5/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 1.86	− 0 41.7	2.070	2.891	14.0	20.2
8 19	23 58.88	− 1 11.4	1.965	2.867	11.1	19.9
8 29	23 53.89	− 1 54.4	1.881	2.843	7.7	19.7
9 8	23 47.29	− 2 47.5	1.822	2.819	3.7	19.4
9 18	23 39.72	− 3 46.0	1.790	2.795	0.7	19.1
9 28	23 32.02	− 4 43.6	1.786	2.771	4.8	19.4
10 8	23 25.11	− 5 34.1	1.809	2.747	8.9	19.6
10 18	23 19.76	− 6 12.5	1.857	2.723	12.6	19.8

363676 2004 TZ_{82} 9 17.3 9°.52 0°.9/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.95	+ 2 33.3	1.925	2.738	15.2	21.0
8 19	23 58.87	+ 2 22.7	1.845	2.739	12.1	20.8
8 29	23 53.78	+ 1 57.6	1.786	2.741	8.5	20.6
9 8	23 47.16	+ 1 20.7	1.750	2.743	4.5	20.4
9 18	23 39.73	+ 0 36.0	1.741	2.745	0.9	20.1
9 28	23 32.39	− 0 10.9	1.760	2.748	4.3	20.4
10 8	23 26.03	− 0 53.9	1.805	2.752	8.2	20.7
10 18	23 21.34	− 1 28.4	1.875	2.755	11.8	20.9

451193 2009 ST_{357} 9 17.3 329°.38 1°.7/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.01	− 6 13.3	2.157	2.985	13.3	21.4
8 19	0 1.05	− 6 28.4	2.073	2.980	10.4	21.2
8 29	23 55.16	− 6 50.4	2.011	2.976	7.0	21.0
9 8	23 47.81	− 7 15.6	1.975	2.971	3.5	20.8
9 18	23 39.69	− 7 39.7	1.966	2.967	2.0	20.7
9 28	23 31.65	− 7 58.2	1.986	2.964	5.1	20.9
10 8	23 24.51	− 8 7.4	2.032	2.960	8.7	21.1
10 18	23 18.96	− 8 5.1	2.103	2.957	11.8	21.3

79101 1981 EJ_{31} 9 17.3 132°.73 0°.4/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.69	+ 0 54.0	1.791	2.607	16.0	20.3
8 19	0 1.89	+ 0 10.2	1.717	2.616	12.6	20.1
8 29	23 55.88	− 0 49.5	1.665	2.625	8.6	19.9
9 8	23 48.20	− 2 0.5	1.637	2.633	4.2	19.6
9 18	23 39.68	− 3 16.5	1.636	2.641	0.6	19.4
9 28	23 31.32	− 4 29.6	1.664	2.648	5.1	19.7
10 8	23 24.11	− 5 32.6	1.718	2.655	9.3	20.0
10 18	23 18.77	− 6 20.6	1.796	2.662	12.9	20.3

436482 2011 EK_{22} 9 17.3 135°.76 2°.9/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.09	− 6 31.8	1.892	2.724	14.7	22.2
8 19	0 2.84	− 7 28.2	1.824	2.735	11.4	22.0
8 29	23 56.43	− 8 33.9	1.779	2.745	7.7	21.8
9 8	23 48.44	− 9 42.8	1.758	2.754	4.0	21.6
9 18	23 39.67	−10 47.8	1.766	2.763	3.2	21.6
9 28	23 31.11	−11 42.2	1.801	2.771	6.4	21.8
10 8	23 23.67	−12 20.8	1.863	2.779	10.1	22.0
10 18	23 18.08	−12 41.4	1.949	2.787	13.3	22.2

513540 2010 JZ_{4} 9 17.4 207°.90 5°.9/23.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.10	+15 49.6	2.007	2.744	17.1	21.5
8 19	0 2.28	+16 17.4	1.913	2.741	14.6	21.3
8 29	23 56.24	+16 24.6	1.837	2.738	11.7	21.1
9 8	23 48.46	+16 9.4	1.784	2.734	8.7	20.9
9 18	23 39.67	+15 32.4	1.755	2.730	6.3	20.8
9 28	23 30.83	+14 37.0	1.753	2.726	6.3	20.8
10 8	23 22.96	+13 29.8	1.778	2.722	8.5	20.9
10 18	23 16.88	+12 18.6	1.828	2.717	11.6	21.1

83496 2001 SJ_{115} 9 17.4 52°.15 0°.4/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.27	+ 1 44.6	1.934	2.747	15.1	19.9
8 19	23 59.88	+ 1 23.6	1.856	2.751	12.0	19.7
8 29	23 54.45	+ 0 48.2	1.799	2.755	8.3	19.5
9 8	23 47.50	+ 0 1.7	1.766	2.760	4.2	19.2
9 18	23 39.74	− 0 51.2	1.760	2.764	0.5	18.9
9 28	23 32.11	− 1 44.6	1.782	2.769	4.4	19.3
10 8	23 25.47	− 2 32.4	1.830	2.774	8.4	19.5
10 18	23 20.52	− 3 9.8	1.904	2.779	11.9	19.7

257980 2001 DA_{17} 9 17.4 233°.69 3°.5/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.59	− 7 28.6	1.865	2.699	14.8	21.2
8 19	0 3.58	− 8 30.6	1.774	2.685	11.6	21.0
8 29	23 57.21	− 9 43.6	1.705	2.671	7.9	20.8
9 8	23 48.97	−11 1.1	1.662	2.656	4.4	20.5
9 18	23 39.64	−12 15.3	1.646	2.641	3.9	20.5
9 28	23 30.25	−13 18.2	1.658	2.624	7.3	20.6
10 8	23 21.90	−14 3.5	1.696	2.607	11.2	20.8
10 18	23 15.44	−14 27.9	1.758	2.590	14.8	21.0

192885 1999 XA_{94} 9 17.4 260°.88 11°.3/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 8.55	+29 17.3	2.158	2.789	18.6	20.0
8 19	0 4.56	+30 45.5	2.057	2.778	17.1	19.8
8 29	23 58.09	+31 51.9	1.971	2.767	15.3	19.6
9 8	23 49.52	+32 31.2	1.903	2.756	13.5	19.5
9 18	23 39.59	+32 39.0	1.857	2.744	12.0	19.4
9 28	23 29.37	+32 14.4	1.833	2.732	11.3	19.3
10 8	23 20.03	+31 21.0	1.833	2.721	11.8	19.3
10 18	23 12.62	+30 6.0	1.856	2.709	13.2	19.4

357726 2005 QH_{137} 9 17.4 290°.14 1°.4/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 6.94	− 5 14.1	2.095	2.917	13.8	21.2
8 19	0 2.61	− 5 24.9	2.011	2.915	10.8	21.0
8 29	23 56.26	− 5 43.3	1.950	2.913	7.3	20.8
9 8	23 48.38	− 6 5.7	1.914	2.910	3.6	20.6
9 18	23 39.69	− 6 27.9	1.905	2.908	1.6	20.4
9 28	23 31.09	− 6 45.5	1.925	2.906	5.0	20.7
10 8	23 23.46	− 6 54.5	1.973	2.903	8.7	20.9
10 18	23 17.50	− 6 52.6	2.045	2.901	12.0	21.1

301771 2010 JD_{117} 9 17.4 38°.50 5°.4/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.26	+16 26.3	1.734	2.492	18.6	20.0
8 19	23 57.87	+16 17.6	1.656	2.500	15.8	19.8
8 29	23 53.26	+15 42.0	1.596	2.508	12.5	19.7
9 8	23 46.97	+14 39.3	1.557	2.517	8.9	19.5
9 18	23 39.79	+13 12.8	1.542	2.525	6.0	19.3
9 28	23 32.74	+11 29.5	1.553	2.535	5.8	19.3
10 8	23 26.81	+ 9 39.4	1.591	2.544	8.5	19.5
10 18	23 22.73	+ 7 52.5	1.654	2.554	11.9	19.7

443346 2014 GR_{20} 9 17.4 58°.97 1°.6/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.93	+ 4 35.5	1.853	2.656	16.0	20.9
8 19	0 0.50	+ 4 25.4	1.775	2.662	12.9	20.7
8 29	23 54.93	+ 3 58.9	1.718	2.668	9.2	20.5
9 8	23 47.75	+ 3 18.3	1.685	2.674	5.1	20.3
9 18	23 39.74	+ 2 27.6	1.677	2.680	1.6	20.1
9 28	23 31.84	+ 1 32.8	1.698	2.687	4.3	20.3
10 8	23 25.01	+ 0 40.6	1.745	2.693	8.3	20.5
10 18	23 19.96	− 0 3.4	1.817	2.700	12.0	20.8

261598 2005 XS_{56} 9 17.4 247°.83 19°.3/29.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 15.96	−38 33.7	1.135	1.984	21.3	20.0
8 19	0 12.53	−41 23.5	1.101	1.975	19.9	19.9
8 29	0 4.56	−43 51.4	1.083	1.967	19.3	19.8
9 8	23 52.92	−45 37.8	1.084	1.958	19.8	19.8
9 18	23 39.38	−46 28.3	1.101	1.948	21.2	19.9
9 28	23 26.39	−46 17.0	1.133	1.939	23.2	20.0
10 8	23 16.14	−45 8.5	1.179	1.929	25.3	20.1
10 18	23 9.90	−43 13.1	1.236	1.919	27.3	20.3

468131 2014 UW_{88} 9 17.4 193°.16 1°.7/18.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.44	+ 4 26.9	1.390	2.210	19.6	22.2
8 19	0 4.10	+ 4 16.9	1.313	2.209	15.8	22.0
8 29	23 57.89	+ 3 45.5	1.254	2.209	11.3	21.7
9 8	23 49.40	+ 2 54.9	1.216	2.208	6.2	21.4
9 18	23 39.62	+ 1 50.7	1.203	2.207	1.7	21.1
9 28	23 29.93	+ 0 41.4	1.216	2.206	5.5	21.4
10 8	23 21.67	− 0 23.4	1.254	2.204	10.7	21.7
10 18	23 15.85	− 1 15.8	1.314	2.202	15.3	22.0

177783 2005 LF_{2} 9 17.4 106°.50 0°.4/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.27	+ 0 32.6	1.554	2.381	17.5	21.1
8 19	0 2.69	− 0 5.9	1.486	2.390	13.8	20.8
8 29	23 56.60	− 1 1.6	1.437	2.399	9.5	20.6
9 8	23 48.62	− 2 9.5	1.412	2.408	4.6	20.4
9 18	23 39.69	− 3 22.7	1.412	2.417	0.7	20.1
9 28	23 30.97	− 4 32.4	1.440	2.426	5.6	20.5
10 8	23 23.58	− 5 30.9	1.494	2.434	10.2	20.8
10 18	23 18.33	− 6 12.9	1.570	2.442	14.2	21.0

189071 2001 BH_{83} 9 17.4 116°.07 6°.5/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 9.65	+20 55.5	2.782	3.450	14.1	20.4
8 19	0 4.32	+21 49.0	2.697	3.465	12.4	20.3
8 29	23 57.23	+22 25.8	2.631	3.481	10.3	20.2
9 8	23 48.82	+22 44.1	2.588	3.496	8.3	20.1
9 18	23 39.68	+22 43.2	2.572	3.510	6.8	20.0
9 28	23 30.59	+22 24.4	2.583	3.525	6.5	20.0
10 8	23 22.29	+21 51.5	2.622	3.538	7.5	20.1
10 18	23 15.41	+21 9.5	2.688	3.552	9.2	20.2

222408 2001 FA_{103} 9 17.4 145°.49 0°.1/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.80	+ 1 7.7	2.711	3.509	11.6	20.7
8 19	23 58.09	+ 0 34.3	2.628	3.516	9.2	20.5
8 29	23 52.90	− 0 9.7	2.568	3.523	6.3	20.4
9 8	23 46.65	− 1 1.4	2.535	3.529	3.1	20.2
9 18	23 39.84	− 1 57.0	2.530	3.535	0.2	19.9
9 28	23 33.12	− 2 52.0	2.555	3.541	3.5	20.2
10 8	23 27.09	− 3 41.9	2.609	3.546	6.6	20.4
10 18	23 22.26	− 4 23.4	2.690	3.551	9.3	20.6

47488 2000 AZ_{32} 9 17.4 272°.31 3°.2/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.94	+ 6 14.4	1.616	2.416	18.1	18.2
8 19	0 4.30	+ 6 37.1	1.522	2.403	15.0	17.9
8 29	23 57.99	+ 6 42.3	1.446	2.390	11.1	17.7
9 8	23 49.48	+ 6 29.8	1.393	2.377	6.8	17.4
9 18	23 39.63	+ 6 1.8	1.365	2.364	3.4	17.2
9 28	23 29.64	+ 5 23.0	1.363	2.351	5.4	17.3
10 8	23 20.80	+ 4 40.6	1.387	2.338	9.8	17.5
10 18	23 14.13	+ 4 1.8	1.434	2.324	14.1	17.7

80438 1999 XX_{249} 9 17.4 335°.07 1°.3/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 59.86	+ 5 7.5	1.301	2.137	19.8	19.1
8 19	23 58.34	+ 4 38.3	1.222	2.129	16.0	18.8
8 29	23 54.05	+ 3 43.5	1.161	2.121	11.4	18.6
9 8	23 47.56	+ 2 26.1	1.121	2.115	6.2	18.3
9 18	23 39.77	+ 0 53.2	1.104	2.109	1.4	17.9
9 28	23 32.01	− 0 44.4	1.112	2.103	5.7	18.2
10 8	23 25.58	− 2 14.7	1.145	2.098	11.0	18.5
10 18	23 21.49	− 3 28.0	1.199	2.094	15.8	18.8

420560 2012 HN_3 9 17.4 109°.31 6°.6/12.2 17

8 9	0 13.45	−16 43.8	1.633	2.478	16.0	20.8
8 19	0 8.09	−17 40.9	1.581	2.493	12.7	20.6
8 29	0 0.11	−18 38.2	1.550	2.508	9.3	20.5
9 8	23 50.26	−19 26.8	1.543	2.523	6.8	20.4
9 18	23 39.61	−19 59.2	1.563	2.537	7.1	20.4
9 28	23 29.39	−20 9.7	1.608	2.551	9.6	20.6
10 8	23 20.75	−19 56.7	1.678	2.564	12.8	20.8
10 18	23 14.44	−19 21.9	1.770	2.577	15.7	21.1

477908 2011 KS_{45} 9 17.4 60°.61 0°.9/16.5 16

8 9	0 2.25	+ 1 22.4	1.557	2.388	17.3	21.4
8 19	23 59.43	+ 0 12.7	1.497	2.406	13.5	21.2
8 29	23 54.28	− 1 15.9	1.459	2.423	9.1	21.0
9 8	23 47.44	− 2 56.7	1.444	2.441	4.3	20.7
9 18	23 39.79	− 4 40.8	1.455	2.459	1.2	20.5
9 28	23 32.43	− 6 18.1	1.494	2.477	5.7	20.9
10 8	23 26.33	− 7 39.9	1.558	2.495	10.1	21.2
10 18	23 22.22	− 8 41.1	1.646	2.514	13.8	21.5

329644 2003 SN_{177} 9 17.4 328°.16 1°.6/16.2 17

8 9	23 58.63	− 1 25.3	1.114	1.983	20.2	20.3
8 19	23 57.89	− 2 2.0	1.035	1.965	16.1	20.0
8 29	23 54.09	− 3 0.8	0.974	1.948	11.1	19.7
9 8	23 47.71	− 4 16.3	0.932	1.932	5.4	19.3
9 18	23 39.76	− 5 39.2	0.913	1.916	2.0	19.1
9 28	23 31.71	− 6 57.0	0.916	1.902	7.7	19.4
10 8	23 25.13	− 7 57.8	0.941	1.889	13.5	19.6
10 18	23 21.21	− 8 34.2	0.985	1.878	18.7	19.9

113002 2002 RW_{38} 9 17.4 157°.40 3°.9/21.3 18

8 9	0 7.50	+10 24.5	2.185	2.942	15.3	20.0
8 19	0 3.04	+10 46.2	2.096	2.946	12.7	19.8
8 29	23 56.57	+10 51.7	2.028	2.950	9.7	19.6
9 8	23 48.56	+10 40.9	1.984	2.954	6.5	19.4
9 18	23 39.72	+10 15.2	1.967	2.957	4.1	19.3
9 28	23 30.91	+ 9 38.3	1.978	2.960	4.7	19.3
10 8	23 23.04	+ 8 55.4	2.016	2.962	7.6	19.5
10 18	23 16.80	+ 8 12.2	2.081	2.964	10.7	19.7

93424 2000 SP_{312} 9 17.4 36°.03 10°.6/26.4 18

8 9	0 7.38	+20 43.7	1.386	2.129	23.2	18.5
8 19	0 4.17	+22 14.6	1.325	2.144	20.3	18.4
8 29	23 57.98	+23 16.7	1.279	2.159	17.1	18.2
9 8	23 49.45	+23 44.8	1.251	2.176	13.9	18.1
9 18	23 39.66	+23 36.4	1.243	2.193	11.4	18.0
9 28	23 30.05	+22 54.7	1.257	2.210	10.6	18.0
10 8	23 22.02	+21 48.4	1.294	2.229	12.0	18.1
10 18	23 16.58	+20 28.9	1.353	2.248	14.5	18.3

478828 2012 VV_{33} 9 17.4 0°.60 14°.8/ 8.8 16

8 9	23 54.20	+40 19.0	1.490	2.103	26.4	20.6
8 19	23 54.22	+40 56.0	1.408	2.100	24.8	20.4
8 29	23 51.39	+40 49.5	1.335	2.099	22.8	20.2
9 8	23 46.27	+39 51.4	1.273	2.098	20.4	20.0
9 18	23 39.87	+37 55.9	1.226	2.099	17.8	19.9
9 28	23 33.56	+35 3.8	1.199	2.102	15.7	19.8
10 8	23 28.73	+31 25.8	1.193	2.105	14.8	19.7
10 18	23 26.37	+27 19.8	1.211	2.110	15.5	19.8

305881 2009 FX_{16} 9 17.4 11°.23 1°.8/15.6 18

8 9	0 1.90	− 2 46.7	1.761	2.598	15.4	20.9
8 19	23 59.05	− 3 39.6	1.686	2.599	12.0	20.7
8 29	23 54.03	− 4 46.2	1.632	2.599	8.1	20.5
9 8	23 47.36	− 6 1.1	1.603	2.600	3.9	20.3
9 18	23 39.82	− 7 16.9	1.600	2.602	2.1	20.1
9 28	23 32.39	− 8 25.8	1.624	2.603	5.9	20.4
10 8	23 26.03	− 9 21.0	1.674	2.605	10.0	20.6
10 18	23 21.48	− 9 58.3	1.747	2.607	13.6	20.9

473373 2015 UW_{17} 9 17.4 51°.82 2°.0/15.4 18

8 9	0 4.52	− 5 1.4	1.841	2.676	14.9	20.4
8 19	0 0.76	− 5 39.7	1.786	2.698	11.5	20.2
8 29	23 54.94	− 6 27.3	1.753	2.720	7.7	20.0
9 8	23 47.69	− 7 18.7	1.745	2.742	3.8	19.9
9 18	23 39.81	− 8 8.0	1.764	2.765	2.3	19.8
9 28	23 32.23	− 8 49.2	1.811	2.788	5.6	20.1
10 8	23 25.81	− 9 17.8	1.883	2.811	9.2	20.3
10 18	23 21.16	− 9 31.5	1.980	2.834	12.4	20.6

225762 2001 SJ_{229} 9 17.4 14°.64 2°.0/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 3.10	− 3 41.0	1.223	2.085	19.3	20.0
8 19	0 0.85	− 4 10.2	1.162	2.088	15.1	19.8
8 29	23 55.69	− 4 54.7	1.120	2.092	10.2	19.5
9 8	23 48.31	− 5 48.2	1.098	2.097	5.0	19.2
9 18	23 39.78	− 6 42.3	1.100	2.103	2.3	19.1
9 28	23 31.51	− 7 27.8	1.127	2.110	7.1	19.4
10 8	23 24.81	− 7 57.4	1.176	2.118	12.1	19.7
10 18	23 20.60	− 8 7.3	1.246	2.127	16.4	20.0

296613 2009 SY_{20} 9 17.4 5°.77 0°.6/18.0 18

8 9	0 1.80	+ 1 58.4	2.068	2.879	14.3	21.0
8 19	23 58.65	+ 1 41.0	1.985	2.879	11.4	20.8
8 29	23 53.59	+ 1 10.1	1.924	2.879	7.9	20.6
9 8	23 47.11	+ 0 28.5	1.887	2.880	4.1	20.3
9 18	23 39.86	− 0 19.7	1.877	2.881	0.6	20.1
9 28	23 32.69	− 1 9.1	1.895	2.882	4.1	20.4
10 8	23 26.41	− 1 54.1	1.940	2.884	7.9	20.6
10 18	23 21.69	− 2 30.0	2.010	2.886	11.3	20.8

82496 2001 OQ_{42} 9 17.4 2°.38 0°.0/17.4 18

8 9	23 58.06	+ 1 56.3	2.091	2.909	14.0	18.6
8 19	23 55.71	+ 1 13.9	2.009	2.908	11.0	18.4
8 29	23 51.57	+ 0 16.7	1.949	2.908	7.6	18.2
9 8	23 46.11	− 0 51.7	1.914	2.909	3.8	18.0
9 18	23 39.93	− 2 5.9	1.905	2.910	0.2	17.7
9 28	23 33.82	− 3 19.3	1.925	2.912	4.2	18.0
10 8	23 28.55	− 4 25.6	1.972	2.914	8.0	18.3
10 18	23 24.73	− 5 19.8	2.044	2.917	11.3	18.5

348630 2005 YB_{120} 9 17.4 275°.90 1°.0/16.2 18

8 9	0 1.95	− 2 29.8	2.282	3.102	12.9	20.7
8 19	23 58.64	− 3 5.2	2.189	3.092	10.1	20.5
8 29	23 53.55	− 3 51.2	2.119	3.082	6.8	20.3
9 8	23 47.09	− 4 44.2	2.075	3.072	3.3	20.0
9 18	23 39.87	− 5 39.4	2.058	3.061	1.3	19.9
9 28	23 32.65	− 6 31.3	2.070	3.051	4.6	20.1
10 8	23 26.21	− 7 14.8	2.110	3.041	8.2	20.3
10 18	23 21.19	− 7 46.2	2.174	3.031	11.4	20.5

311449 2005 UW_{288} 9 17.4 62°.91 3°.8/13.7 18

8 9	0 7.36	−12 23.1	2.115	2.951	13.2	20.7
8 19	0 2.87	−12 53.0	2.044	2.955	10.3	20.6
8 29	23 56.39	−13 25.8	1.995	2.959	7.2	20.4
9 8	23 48.45	−13 56.3	1.973	2.962	4.4	20.2
9 18	23 39.79	−14 19.2	1.977	2.966	4.2	20.2
9 28	23 31.32	−14 30.3	2.010	2.970	6.7	20.4
10 8	23 23.88	−14 26.7	2.069	2.974	9.8	20.6
10 18	23 18.14	−14 7.9	2.152	2.978	12.6	20.8

233307 2006 BP_{72} 9 17.4 227°.10 1°.0/16.4 18

8 9	0 7.13	− 2 46.3	1.953	2.773	14.7	21.4
8 19	0 3.02	− 3 10.9	1.865	2.766	11.6	21.2
8 29	23 56.72	− 3 46.7	1.797	2.759	7.9	20.9
9 8	23 48.73	− 4 30.1	1.755	2.751	3.8	20.7
9 18	23 39.77	− 5 15.7	1.739	2.743	1.3	20.5
9 28	23 30.83	− 5 57.7	1.753	2.735	5.2	20.7
10 8	23 22.89	− 6 30.6	1.793	2.726	9.3	21.0
10 18	23 16.73	− 6 50.7	1.857	2.717	12.9	21.2

25667 2000 AK_{91} 9 17.4 97°.80 1°.7/19.3 18

8 9	0 3.96	+ 4 47.6	2.460	3.244	13.1	19.0
8 19	23 59.97	+ 4 48.2	2.377	3.251	10.5	18.8
8 29	23 54.30	+ 4 36.5	2.315	3.258	7.6	18.6
9 8	23 47.41	+ 4 14.2	2.279	3.265	4.3	18.4
9 18	23 39.88	+ 3 43.9	2.270	3.272	1.7	18.3
9 28	23 32.43	+ 3 9.2	2.291	3.278	3.5	18.4
10 8	23 25.77	+ 2 34.7	2.339	3.285	6.7	18.6
10 18	23 20.49	+ 2 4.3	2.415	3.292	9.6	18.8

411507 2011 BT_{10} 9 17.4 271°.23 3°.7/21.5 17

8 9	0 3.67	+10 57.5	2.535	3.286	13.5	21.5
8 19	23 59.94	+11 13.6	2.424	3.270	11.3	21.3
8 29	23 54.44	+11 15.1	2.335	3.253	8.7	21.1
9 8	23 47.57	+11 1.8	2.269	3.236	6.0	20.9
9 18	23 39.86	+10 34.9	2.231	3.219	3.9	20.7
9 28	23 32.05	+ 9 57.1	2.220	3.202	4.3	20.7
10 8	23 24.90	+ 9 13.0	2.238	3.184	6.9	20.9
10 18	23 19.07	+ 8 27.7	2.283	3.167	9.8	21.0

91745 1999 TF_{184} 9 17.4 101°.16 6°.3/24.7 18

8 9	0 5.31	+18 37.0	2.371	3.077	15.5	19.2
8 19	0 1.27	+19 15.2	2.284	3.085	13.4	19.0
8 29	23 55.34	+19 34.6	2.216	3.092	11.0	18.9
9 8	23 47.99	+19 33.8	2.170	3.100	8.6	18.7
9 18	23 39.84	+19 12.8	2.149	3.107	6.7	18.6
9 28	23 31.73	+18 33.9	2.154	3.114	6.4	18.6
10 8	23 24.47	+17 42.3	2.187	3.122	7.8	18.7
10 18	23 18.74	+16 44.0	2.246	3.129	10.0	18.9

12620 Simaqian 9 17.4 98°.13 0°.0/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 3.30	+ 0 38.0	2.375	3.179	12.9	18.8
8 19	23 59.44	+ 0 11.1	2.301	3.193	10.1	18.7
8 29	23 53.92	− 0 26.8	2.250	3.206	7.0	18.5
9 8	23 47.20	− 1 12.8	2.224	3.219	3.4	18.3
9 18	23 39.90	− 2 2.5	2.227	3.232	0.2	18.0
9 28	23 32.74	− 2 51.3	2.259	3.245	3.8	18.4
10 8	23 26.41	− 3 34.4	2.319	3.257	7.2	18.6
10 18	23 21.49	− 4 8.3	2.405	3.270	10.1	18.8

98100 2000 RN_{83} 9 17.4 329°.20 4°.4/20.6 18

8 9	23 57.53	+ 8 44.9	1.103	1.942	22.4	18.3
8 19	23 57.15	+ 9 1.4	1.020	1.924	18.7	18.0
8 29	23 53.70	+ 8 49.2	0.953	1.906	14.2	17.7
9 8	23 47.62	+ 8 7.1	0.903	1.889	9.1	17.4
9 18	23 39.85	+ 6 57.7	0.875	1.874	4.7	17.1
9 28	23 31.90	+ 5 29.9	0.868	1.859	6.5	17.1
10 8	23 25.38	+ 3 57.0	0.883	1.846	11.9	17.4
10 18	23 21.57	+ 2 32.5	0.918	1.835	17.3	17.6

152247 2005 SW_{90} 9 17.4 202°.94 0°.7/16.8 18

8 9	0 7.72	− 1 32.3	1.922	2.738	15.1	20.8
8 19	0 3.49	− 1 56.8	1.836	2.735	11.9	20.6
8 29	23 57.05	− 2 33.7	1.772	2.732	8.2	20.4
9 8	23 48.89	− 3 19.2	1.732	2.728	4.0	20.1
9 18	23 39.79	− 4 8.2	1.719	2.723	0.9	19.9
9 28	23 30.74	− 4 54.5	1.735	2.718	5.0	20.2
10 8	23 22.72	− 5 32.5	1.778	2.713	9.2	20.4
10 18	23 16.52	− 5 58.0	1.845	2.707	12.8	20.6

92302 2000 FA_{11} 9 17.4 271°.17 15°.1/10.5 16

8 9	0 29.30	−32 0.2	1.145	1.983	21.8	18.7
8 19	0 22.65	−33 2.4	1.085	1.974	19.0	18.5
8 29	0 11.28	−33 48.5	1.042	1.964	16.6	18.3
9 8	23 56.20	−34 1.3	1.019	1.954	15.2	18.2
9 18	23 39.32	−33 27.7	1.016	1.945	15.7	18.2
9 28	23 23.18	−32 2.4	1.035	1.935	17.9	18.3
10 8	23 10.00	−29 51.4	1.074	1.925	21.0	18.5
10 18	23 1.04	−27 7.2	1.131	1.915	24.1	18.7

228151 2009 SU_{39} 9 17.4 309°.97 0°.2/17.6 18

8 9	0 1.63	+ 0 34.1	2.128	2.943	13.8	20.8
8 19	23 58.59	+ 0 16.3	2.031	2.928	11.0	20.6
8 29	23 53.65	− 0 14.0	1.956	2.914	7.7	20.3
9 8	23 47.21	− 0 54.3	1.905	2.900	3.9	20.1
9 18	23 39.91	− 1 40.4	1.881	2.886	0.2	19.7
9 28	23 32.58	− 2 27.1	1.885	2.872	4.3	20.0
10 8	23 26.05	− 3 8.8	1.916	2.859	8.1	20.3
10 18	23 21.03	− 3 41.2	1.973	2.845	11.6	20.5

298276 2002 XE_{33} 9 17.4 294°.46 2°.6/14.6 18

8 9	0 1.48	− 4 56.2	1.878	2.718	14.5	20.7
8 19	23 58.82	− 5 57.0	1.782	2.697	11.3	20.4
8 29	23 54.01	− 7 11.1	1.707	2.675	7.7	20.1
9 8	23 47.48	− 8 33.1	1.657	2.654	4.0	19.9
9 18	23 39.90	− 9 55.5	1.634	2.633	3.1	19.8
9 28	23 32.23	−11 10.2	1.638	2.611	6.6	20.0
10 8	23 25.44	−12 9.7	1.669	2.590	10.6	20.2
10 18	23 20.37	−12 49.7	1.722	2.569	14.3	20.3

136614 1993 VA_{6} 9 17.4 207°.02 1°.9/19.5 18

8 9	0 4.53	+ 5 59.2	2.224	3.008	14.3	20.8
8 19	0 0.71	+ 5 50.5	2.131	3.005	11.6	20.6
8 29	23 55.01	+ 5 26.7	2.059	3.001	8.4	20.4
9 8	23 47.85	+ 4 49.6	2.012	2.998	4.9	20.2
9 18	23 39.89	+ 4 2.0	1.992	2.994	2.0	20.0
9 28	23 31.94	+ 3 8.9	2.001	2.989	3.9	20.1
10 8	23 24.83	+ 2 16.0	2.038	2.985	7.4	20.4
10 18	23 19.24	+ 1 28.4	2.101	2.980	10.8	20.6

8799 Barnouin 9 17.4 312°.14 0°.1/17.4 18

8 9	0 1.49	+ 1 36.1	1.587	2.417	17.1	18.3
8 19	23 59.17	+ 1 4.4	1.498	2.405	13.6	18.1
8 29	23 54.42	+ 0 14.0	1.430	2.392	9.5	17.8
9 8	23 47.73	− 0 51.6	1.384	2.380	4.8	17.5
9 18	23 39.89	− 2 6.1	1.363	2.368	0.3	17.1
9 28	23 32.01	− 3 21.0	1.369	2.356	5.4	17.5
10 8	23 25.23	− 4 27.5	1.400	2.345	10.2	17.7
10 18	23 20.44	− 5 18.9	1.454	2.335	14.5	18.0

371530 2006 UZ_{224} 9 17.4 291°.77 2°.5/19.2 18

8 9	0 6.30	+ 4 38.2	1.484	2.300	18.7	21.4
8 19	0 3.36	+ 4 52.5	1.387	2.280	15.4	21.1
8 29	23 57.60	+ 4 48.5	1.308	2.259	11.3	20.8
9 8	23 49.45	+ 4 26.6	1.250	2.239	6.6	20.5
9 18	23 39.77	+ 3 49.5	1.216	2.218	2.6	20.2
9 28	23 29.84	+ 3 3.2	1.208	2.198	5.5	20.4
10 8	23 21.05	+ 2 15.8	1.225	2.178	10.6	20.6
10 18	23 14.57	+ 1 35.0	1.265	2.158	15.4	20.8

290193 2005 SD_{23} 9 17.4 356°.59 0°.1/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 57.64	+ 0 26.1	1.059	1.928	21.0	20.4
8 19	23 57.07	+ 0 11.4	0.994	1.922	16.8	20.1
8 29	23 53.44	− 0 25.3	0.945	1.918	11.6	19.8
9 8	23 47.36	− 1 19.3	0.916	1.915	5.8	19.5
9 18	23 39.92	− 2 22.8	0.908	1.913	0.4	19.1
9 28	23 32.59	− 3 24.8	0.923	1.914	6.6	19.5
10 8	23 26.86	− 4 14.9	0.960	1.916	12.3	19.9
10 18	23 23.77	− 4 45.8	1.016	1.919	17.3	20.2

227256 2005 SS_{79} 9 17.4 351°.94 1°.2/16.4 18

8 9	0 6.53	− 2 55.3	1.479	2.319	17.6	21.1
8 19	0 3.18	− 3 15.0	1.405	2.318	13.9	20.9
8 29	23 57.15	− 3 48.2	1.350	2.317	9.5	20.6
9 8	23 49.05	− 4 30.2	1.318	2.316	4.6	20.3
9 18	23 39.82	− 5 14.8	1.311	2.315	1.5	20.1
9 28	23 30.72	− 5 54.3	1.330	2.315	6.1	20.4
10 8	23 22.97	− 6 22.4	1.375	2.315	10.9	20.7
10 18	23 17.48	− 6 34.9	1.441	2.315	15.1	21.0

111331 2001 XV_{88} 9 17.4 212°.83 0°.3/17.7 18

8 9	0 4.74	+ 0 43.9	2.269	3.073	13.4	20.4
8 19	0 0.80	+ 0 31.1	2.180	3.071	10.7	20.2
8 29	23 55.02	+ 0 6.9	2.113	3.068	7.4	20.0
9 8	23 47.84	− 0 26.2	2.071	3.065	3.8	19.8
9 18	23 39.91	− 1 4.5	2.057	3.062	0.3	19.5
9 28	23 32.01	− 1 43.3	2.072	3.059	4.0	19.8
10 8	23 24.95	− 2 18.0	2.115	3.055	7.6	20.0
10 18	23 19.38	− 2 44.6	2.183	3.052	10.9	20.2

312957 1997 JQ_{9} 9 17.4 108°.79 3°.8/12.4 18

8 9	0 2.03	−10 40.6	2.374	3.212	11.9	21.2
8 19	23 58.51	−11 55.9	2.309	3.223	9.2	21.1
8 29	23 53.33	−13 16.4	2.268	3.233	6.3	20.9
9 8	23 46.95	−14 36.0	2.254	3.243	4.1	20.8
9 18	23 39.97	−15 48.5	2.269	3.253	4.3	20.8
9 28	23 33.12	−16 48.2	2.312	3.263	6.6	21.0
10 8	23 27.12	−17 31.2	2.381	3.272	9.3	21.2
10 18	23 22.50	−17 56.0	2.474	3.282	11.8	21.4

259932 2004 EN_{41} 9 17.4 148°.94 0°.2/17.5 17

8 9	0 9.12	+ 0 29.5	1.844	2.653	15.9	20.9
8 19	0 4.59	+ 0 12.7	1.767	2.661	12.6	20.7
8 29	23 57.77	− 0 17.7	1.711	2.668	8.7	20.5
9 8	23 49.24	− 0 58.5	1.679	2.674	4.4	20.2
9 18	23 39.82	− 1 44.7	1.675	2.680	0.3	19.9
9 28	23 30.55	− 2 30.5	1.699	2.685	4.7	20.3
10 8	23 22.43	− 3 9.7	1.750	2.690	9.0	20.6
10 18	23 16.24	− 3 38.0	1.826	2.694	12.6	20.8

508037 2015 BO_{484} 9 17.4 318°.51 3°.9/14.2 17

8 9	0 0.95	− 5 18.8	1.192	2.062	19.1	21.4
8 19	23 59.55	− 6 24.7	1.116	2.047	15.0	21.1
8 29	23 55.14	− 7 49.4	1.058	2.033	10.2	20.8
9 8	23 48.25	− 9 24.5	1.021	2.020	5.4	20.5
9 18	23 39.87	−10 58.4	1.008	2.007	4.5	20.4
9 28	23 31.47	−12 18.1	1.019	1.994	9.2	20.7
10 8	23 24.53	−13 13.3	1.051	1.983	14.3	20.9
10 18	23 20.16	−13 39.1	1.103	1.972	19.0	21.2

144226 2004 CZ_{37} 9 17.4 259°.13 6°.7/10.9 18

8 9	0 5.61	−13 56.0	1.604	2.461	15.6	19.9
8 19	0 2.45	−15 28.3	1.528	2.450	12.4	19.7
8 29	23 56.68	−17 8.0	1.474	2.438	9.1	19.5
9 8	23 48.85	−18 45.1	1.444	2.426	6.8	19.3
9 18	23 39.84	−20 9.0	1.439	2.414	7.5	19.3
9 28	23 30.86	−21 10.2	1.461	2.402	10.5	19.5
10 8	23 23.11	−21 43.2	1.505	2.389	14.1	19.7
10 18	23 17.52	−21 46.9	1.570	2.377	17.4	19.9

358698 2008 AS_{44} 9 17.4 239°.98 5°.4/22.7 18

8 9	0 6.98	+14 12.6	2.262	2.996	15.4	21.1
8 19	0 2.77	+14 51.8	2.162	2.990	13.2	20.9
8 29	23 56.52	+15 14.4	2.082	2.983	10.5	20.7
9 8	23 48.67	+15 18.9	2.025	2.976	7.7	20.6
9 18	23 39.86	+15 5.3	1.993	2.969	5.7	20.4
9 28	23 30.97	+14 36.0	1.990	2.962	5.7	20.4
10 8	23 22.90	+13 55.6	2.014	2.954	7.9	20.5
10 18	23 16.42	+13 10.1	2.063	2.947	10.7	20.7

296603 2009 RG_{62} 9 17.4 327°.58 0°.9/15.6 17

8 9	23 56.60	− 5 20.4	4.195	5.008	7.6	20.7
8 19	23 53.58	− 5 43.4	4.105	5.005	5.9	20.5
8 29	23 49.64	− 6 10.5	4.040	5.002	3.9	20.4
9 8	23 45.04	− 6 39.6	4.003	4.999	1.9	20.2
9 18	23 40.11	− 7 8.6	3.995	4.996	1.1	20.2
9 28	23 35.20	− 7 35.0	4.017	4.993	2.9	20.3
10 8	23 30.68	− 7 56.6	4.068	4.991	4.9	20.5
10 18	23 26.88	− 8 11.9	4.146	4.988	6.7	20.6

295612 2008 SH_{196} 9 17.4 242.°42 3.°6/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 2.62	+12 10.8	1.994	2.759	16.3	21.2
8 19	23 59.57	+11 52.5	1.895	2.750	13.6	21.0
8 29	23 54.44	+11 12.0	1.816	2.741	10.4	20.7
9 8	23 47.66	+10 9.8	1.759	2.732	6.8	20.5
9 18	23 39.93	+ 8 48.9	1.728	2.722	3.9	20.3
9 28	23 32.15	+ 7 15.6	1.726	2.712	4.7	20.4
10 8	23 25.27	+ 5 38.2	1.751	2.702	8.1	20.5
10 18	23 20.07	+ 4 5.3	1.802	2.691	11.7	20.7

68860 2002 JF_2 9 17.4 167.°85 3.°4/13.4 18

8 9	0 3.53	− 6 56.1	1.998	2.835	13.8	19.5
8 19	0 0.09	− 8 20.3	1.924	2.837	10.7	19.3
8 29	23 54.65	− 9 55.0	1.872	2.840	7.2	19.1
9 8	23 47.69	−11 33.2	1.848	2.842	4.1	18.9
9 18	23 39.94	−13 6.8	1.851	2.843	4.0	18.9
9 28	23 32.29	−14 27.8	1.882	2.844	6.9	19.1
10 8	23 25.61	−15 30.4	1.940	2.845	10.3	19.3
10 18	23 20.59	−16 11.6	2.022	2.846	13.4	19.5

245361 2005 EH_{324} 9 17.4 63.°25 4.°7/12.9 18

8 9	0 5.42	−11 47.3	1.775	2.624	14.8	20.1
8 19	0 1.73	−12 47.0	1.714	2.633	11.5	19.9
8 29	23 55.81	−13 51.7	1.675	2.642	8.0	19.7
9 8	23 48.25	−14 54.1	1.661	2.651	5.2	19.5
9 18	23 39.91	−15 46.8	1.674	2.660	5.2	19.6
9 28	23 31.81	−16 23.5	1.713	2.669	8.0	19.8
10 8	23 24.90	−16 40.3	1.776	2.679	11.3	20.0
10 18	23 19.91	−16 36.6	1.863	2.688	14.3	20.2

477992 2011 SL_{124} 9 17.4 60.°01 0.°3/17.8 18

8 9	0 2.79	+ 2 10.5	1.906	2.720	15.3	21.3
8 19	23 59.60	+ 1 39.6	1.827	2.723	12.1	21.1
8 29	23 54.36	+ 0 53.1	1.768	2.726	8.4	20.9
9 8	23 47.57	− 0 5.4	1.734	2.729	4.3	20.7
9 18	23 39.96	− 1 10.7	1.727	2.732	0.4	20.3
9 28	23 32.45	− 2 16.2	1.748	2.735	4.5	20.7
10 8	23 25.93	− 3 15.0	1.795	2.739	8.5	20.9
10 18	23 21.11	− 4 2.0	1.868	2.742	12.1	21.2

256594 2007 UV_{44} 9 17.4 169.°08 2.°4/19.6 17

8 9	0 6.78	+ 7 24.1	1.618	2.415	18.2	21.2
8 19	0 3.20	+ 7 5.7	1.537	2.418	14.9	21.0
8 29	23 57.09	+ 6 25.1	1.475	2.420	10.8	20.7
9 8	23 49.02	+ 5 24.5	1.436	2.422	6.3	20.5
9 18	23 39.87	+ 4 8.6	1.422	2.424	2.5	20.3
9 28	23 30.80	+ 2 45.4	1.436	2.425	4.9	20.4
10 8	23 22.97	+ 1 24.4	1.475	2.425	9.4	20.7
10 18	23 17.24	+ 0 13.5	1.539	2.425	13.5	20.9

396026 2013 CG_7 9 17.4 258.°73 1.°2/18.6 18

8 9	0 3.19	+ 4 3.5	2.034	2.835	14.9	20.9
8 19	23 59.88	+ 3 44.8	1.943	2.829	12.0	20.7
8 29	23 54.56	+ 3 10.3	1.872	2.823	8.5	20.5
9 8	23 47.70	+ 2 22.5	1.826	2.817	4.6	20.3
9 18	23 39.95	+ 1 25.4	1.807	2.811	1.2	20.0
9 28	23 32.22	+ 0 24.8	1.816	2.804	4.1	20.2
10 8	23 25.38	− 0 32.8	1.852	2.798	8.1	20.4
10 18	23 20.15	− 1 21.9	1.913	2.791	11.7	20.7

223138 2002 VP_{114} 9 17.4 305.°12 1.°6/16.2 18

8 9	0 3.84	− 2 46.9	1.397	2.246	18.0	20.7
8 19	0 1.54	− 3 14.2	1.305	2.223	14.4	20.4
8 29	23 56.40	− 3 57.8	1.232	2.201	9.9	20.1
9 8	23 48.89	− 4 53.3	1.181	2.179	4.9	19.8
9 18	23 39.87	− 5 53.4	1.154	2.157	1.9	19.5
9 28	23 30.67	− 6 49.0	1.152	2.136	6.9	19.8
10 8	23 22.68	− 7 31.4	1.174	2.115	12.2	20.0
10 18	23 17.03	− 7 54.7	1.217	2.095	17.0	20.2

349727 2008 YM_{69} 9 17.4 263.°92 1.°3/16.1 18

8 9	0 4.78	− 2 58.5	1.899	2.726	14.8	21.9
8 19	0 1.30	− 3 31.5	1.810	2.717	11.7	21.7
8 29	23 55.63	− 4 16.7	1.743	2.707	7.9	21.4
9 8	23 48.26	− 5 9.7	1.699	2.697	3.9	21.2
9 18	23 39.93	− 6 4.9	1.683	2.686	1.6	21.0
9 28	23 31.59	− 6 55.6	1.695	2.676	5.5	21.2
10 8	23 24.22	− 7 35.9	1.733	2.666	9.6	21.5
10 18	23 18.63	− 8 1.7	1.795	2.655	13.2	21.7

25373 Gorsch 9 17.4 244.°21 1.°7/18.9 18

8 9	0 7.87	+ 4 24.4	1.764	2.564	16.8	19.7
8 19	0 4.04	+ 4 20.5	1.666	2.551	13.7	19.4
8 29	23 57.72	+ 3 59.4	1.589	2.538	9.9	19.2
9 8	23 49.40	+ 3 22.5	1.535	2.524	5.5	18.9
9 18	23 39.85	+ 2 33.6	1.507	2.510	1.8	18.6
9 28	23 30.20	+ 1 38.6	1.506	2.495	4.8	18.8
10 8	23 21.58	+ 0 44.9	1.532	2.480	9.4	19.0
10 18	23 14.95	− 0 0.9	1.583	2.464	13.5	19.2

207600 2006 QG_{93} 9 17.4 228.°44 1.°3/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 7.05	+ 2 42.0	2.138	2.934	14.4	20.5
8 19	0 2.80	+ 2 44.9	2.045	2.928	11.6	20.3
8 29	23 56.52	+ 2 35.4	1.973	2.922	8.3	20.1
9 8	23 48.66	+ 2 15.1	1.926	2.916	4.5	19.8
9 18	23 39.92	+ 1 47.0	1.906	2.910	1.3	19.6
9 28	23 31.17	+ 1 15.3	1.915	2.903	4.1	19.8
10 8	23 23.32	+ 0 45.0	1.952	2.896	7.9	20.0
10 18	23 17.09	+ 0 20.5	2.015	2.889	11.3	20.2

511240 2014 BW_{24} 9 17.4 25.°16 8.°3/24.6 18

8 9	0 5.84	+17 32.5	1.568	2.318	20.6	20.2
8 19	0 2.70	+18 37.2	1.492	2.324	17.8	20.0
8 29	23 56.91	+19 17.3	1.433	2.329	14.7	19.8
9 8	23 49.00	+19 29.5	1.394	2.335	11.4	19.7
9 18	23 39.90	+19 12.5	1.377	2.342	8.9	19.5
9 28	23 30.84	+18 29.6	1.384	2.350	8.5	19.5
10 8	23 23.07	+17 28.4	1.415	2.357	10.4	19.7
10 18	23 17.56	+16 18.4	1.469	2.366	13.4	19.9

354486 2004 ED_{75} 9 17.4 287.°24 0.°3/17.2 18

8 9	0 7.52	− 2 4.1	1.924	2.742	15.0	20.8
8 19	0 3.53	− 2 4.6	1.825	2.724	11.9	20.6
8 29	23 57.24	− 2 15.5	1.747	2.707	8.3	20.3
9 8	23 49.12	− 2 34.0	1.693	2.689	4.1	20.1
9 18	23 39.90	− 2 56.4	1.666	2.671	0.5	19.7
9 28	23 30.58	− 3 17.8	1.668	2.653	4.9	20.0
10 8	23 22.20	− 3 33.3	1.696	2.636	9.2	20.3
10 18	23 15.64	− 3 39.2	1.749	2.618	13.1	20.5

328976 2010 VO_{192} 9 17.4 309.°20 1.°6/18.9 18

8 9	0 5.63	+ 2 59.0	2.069	2.869	14.7	20.8
8 19	0 1.80	+ 3 12.7	1.975	2.859	11.9	20.6
8 29	23 55.90	+ 3 14.1	1.901	2.849	8.5	20.4
9 8	23 48.39	+ 3 4.5	1.851	2.840	4.8	20.1
9 18	23 39.95	+ 2 46.4	1.828	2.831	1.7	19.9
9 28	23 31.48	+ 2 23.6	1.834	2.822	4.1	20.0
10 8	23 23.89	+ 2 0.8	1.866	2.813	8.0	20.3
10 18	23 17.95	+ 1 42.5	1.924	2.805	11.5	20.5

317742 2003 SN_{25} 9 17.4 83.°75 0.°4/17.0 18

8 9	0 7.51	− 3 7.6	2.380	3.188	12.8	20.2
8 19	0 2.81	− 3 5.2	2.296	3.191	10.0	20.0
8 29	23 56.31	− 3 10.1	2.235	3.193	6.9	19.8
9 8	23 48.48	− 3 19.8	2.200	3.196	3.4	19.6
9 18	23 39.95	− 3 31.4	2.194	3.198	0.6	19.3
9 28	23 31.53	− 3 41.4	2.217	3.201	4.1	19.6
10 8	23 23.97	− 3 46.5	2.268	3.203	7.5	19.8
10 18	23 17.90	− 3 44.3	2.346	3.206	10.5	20.0

324804 2007 HL_{48} 9 17.4 1.°62 4.°8/12.3 18

8 9	0 4.97	−15 10.6	2.175	3.018	12.6	20.2
8 19	0 1.05	−15 55.6	2.104	3.018	9.9	20.1
8 29	23 55.20	−16 42.2	2.057	3.017	7.2	19.9
9 8	23 47.95	−17 24.3	2.034	3.018	5.1	19.8
9 18	23 39.99	−17 56.5	2.039	3.018	5.3	19.8
9 28	23 32.17	−18 13.9	2.071	3.018	7.5	19.9
10 8	23 25.32	−18 14.1	2.129	3.019	10.3	20.1
10 18	23 20.08	−17 56.5	2.210	3.020	12.9	20.3

397642 2007 XZ_{24} 9 17.4 297.°44 2.°8/14.7 18

8 9	0 3.22	− 6 11.7	1.806	2.647	14.9	20.7
8 19	0 0.29	− 6 57.7	1.713	2.629	11.7	20.5
8 29	23 55.08	− 7 55.0	1.641	2.610	8.0	20.2
9 8	23 48.07	− 8 58.1	1.594	2.591	4.2	20.0
9 18	23 39.97	−10 0.2	1.574	2.572	3.2	19.9
9 28	23 31.81	−10 53.6	1.580	2.554	6.7	20.0
10 8	23 24.61	−11 32.1	1.612	2.535	10.8	20.2
10 18	23 19.24	−11 51.9	1.666	2.517	14.5	20.4

425099 2009 SF_{98} 9 17.4 26.°15 0.°3/17.6 15

8 9	0 5.07	− 0 7.7	1.118	1.974	21.1	20.3
8 19	0 2.60	− 0 7.0	1.064	1.984	16.7	20.0
8 29	23 57.00	− 0 24.6	1.027	1.995	11.6	19.8
9 8	23 49.04	− 0 56.4	1.010	2.007	5.8	19.5
9 18	23 39.93	− 1 35.7	1.016	2.021	0.4	19.1
9 28	23 31.19	− 2 14.0	1.046	2.035	6.1	19.6
10 8	23 24.23	− 2 43.2	1.098	2.051	11.5	20.0
10 18	23 19.95	− 2 58.2	1.171	2.067	16.1	20.3

60092 1999 TJ_{157} 9 17.4 80.°21 0.°7/18.2 18

8 9	0 3.44	+ 2 25.0	2.190	2.992	13.9	19.2
8 19	23 59.81	+ 2 9.5	2.110	2.998	11.1	19.0
8 29	23 54.35	+ 1 41.0	2.051	3.004	7.7	18.8
9 8	23 47.54	+ 1 2.3	2.017	3.010	4.1	18.6
9 18	23 40.03	+ 0 17.0	2.011	3.015	0.8	18.3
9 28	23 32.61	− 0 29.7	2.033	3.021	3.9	18.6
10 8	23 26.08	− 1 12.6	2.083	3.027	7.5	18.8
10 18	23 21.05	− 1 47.6	2.159	3.033	10.7	19.1

291756 2006 KZ_9 9 17.4 41°.66 4°.5/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 7.31	− 8 20.8	1.134	2.003	20.0	20.1
8 19	0 4.31	− 9 9.9	1.084	2.014	15.5	19.8
8 29	23 58.12	−10 9.7	1.053	2.026	10.6	19.6
9 8	23 49.56	−11 11.1	1.042	2.039	5.9	19.4
9 18	23 39.90	−12 3.8	1.055	2.052	5.0	19.4
9 28	23 30.70	−12 38.5	1.091	2.065	9.0	19.7
10 8	23 23.35	−12 50.1	1.150	2.079	13.7	20.0
10 18	23 18.74	−12 37.7	1.229	2.094	17.7	20.3

222859 2002 EX_{128} 9 17.4 325°.97 0°.6/18.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 58.42	+ 1 52.0	4.113	4.895	8.2	19.5
8 19	23 55.02	+ 1 50.5	4.015	4.891	6.6	19.4
8 29	23 50.66	+ 1 42.7	3.940	4.887	4.6	19.2
9 8	23 45.60	+ 1 29.8	3.893	4.883	2.5	19.1
9 18	23 40.16	+ 1 13.4	3.875	4.879	0.7	18.9
9 28	23 34.73	+ 0 55.6	3.888	4.875	2.2	19.0
10 8	23 29.71	+ 0 38.5	3.930	4.871	4.4	19.2
10 18	23 25.43	+ 0 24.2	4.000	4.868	6.4	19.3

523747 2014 US_{192} 9 17.4 258°.84 0°.0/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 12.84	+ 2 39.6	2.695	3.462	12.5	24.4
8 19	0 7.22	+ 1 48.7	2.555	3.424	10.1	24.2
8 29	23 59.59	+ 0 42.4	2.439	3.385	7.1	23.9
9 8	23 50.29	− 0 36.7	2.351	3.343	3.6	23.6
9 18	23 39.86	− 2 4.5	2.295	3.300	0.2	23.3
9 28	23 29.08	− 3 35.0	2.272	3.254	4.1	23.5
10 8	23 18.82	− 5 1.4	2.281	3.207	7.9	23.7
10 18	23 9.88	− 6 17.9	2.319	3.158	11.4	23.8

506863 2007 VT_{201} 9 17.4 27°.65 4°.2/20.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.75	+ 9 15.2	1.147	1.972	22.6	21.3
8 19	0 0.89	+ 9 22.8	1.084	1.978	18.6	21.0
8 29	23 55.95	+ 9 1.7	1.037	1.985	13.9	20.8
9 8	23 48.60	+ 8 12.6	1.009	1.993	8.7	20.5
9 18	23 39.97	+ 7 0.5	1.003	2.001	4.5	20.3
9 28	23 31.56	+ 5 35.3	1.020	2.010	6.1	20.4
10 8	23 24.79	+ 4 9.5	1.061	2.020	10.9	20.7
10 18	23 20.67	+ 2 54.1	1.122	2.031	15.6	21.0

395032 2009 DZ_{34} 9 17.4 234°.27 0°.3/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.75	+ 2 10.7	2.185	2.992	13.8	21.6
8 19	23 58.63	+ 1 11.9	2.091	2.984	10.9	21.4
8 29	23 53.66	− 0 3.2	2.018	2.976	7.5	21.1
9 8	23 47.26	− 1 30.6	1.972	2.967	3.7	20.9
9 18	23 40.06	− 3 4.4	1.953	2.958	0.5	20.6
9 28	23 32.85	− 4 37.4	1.964	2.949	4.4	20.9
10 8	23 26.44	− 6 2.3	2.004	2.939	8.3	21.1
10 18	23 21.51	− 7 13.3	2.068	2.929	11.7	21.3

27576 Denisespirou 9 17.4 351°.02 1°.7/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.85	− 4 16.1	1.798	2.636	15.1	19.0
8 19	23 59.83	− 4 46.1	1.720	2.633	11.8	18.8
8 29	23 54.63	− 5 26.9	1.663	2.630	8.0	18.6
9 8	23 47.78	− 6 13.9	1.630	2.627	3.9	18.3
9 18	23 40.03	− 7 1.4	1.623	2.626	2.0	18.2
9 28	23 32.38	− 7 42.7	1.644	2.624	5.7	18.4
10 8	23 25.77	− 8 12.6	1.690	2.623	9.7	18.7
10 18	23 20.96	− 8 27.6	1.759	2.623	13.3	18.9

22819 Davidtao 9 17.4 320°.58 1°.5/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.44	− 3 2.2	1.394	2.238	18.3	18.9
8 19	0 3.36	− 3 27.5	1.318	2.234	14.4	18.7
8 29	23 57.45	− 4 7.6	1.262	2.230	9.9	18.4
9 8	23 49.31	− 4 57.3	1.228	2.226	4.8	18.1
9 18	23 39.94	− 5 49.6	1.219	2.223	1.8	17.9
9 28	23 30.65	− 6 35.8	1.235	2.219	6.6	18.2
10 8	23 22.76	− 7 8.8	1.276	2.216	11.6	18.5
10 18	23 17.26	− 7 24.2	1.338	2.213	15.9	18.7

430921 2005 TO_{54} 9 17.4 0°.41 5°.4/13.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.39	−10 17.8	1.072	1.957	19.7	20.0
8 19	0 0.01	−11 3.2	1.015	1.953	15.4	19.7
8 29	23 55.44	−11 58.0	0.975	1.951	10.7	19.5
9 8	23 48.37	−12 52.9	0.955	1.951	6.4	19.2
9 18	23 40.00	−13 37.1	0.957	1.952	6.0	19.2
9 28	23 31.89	−14 1.0	0.982	1.954	10.0	19.5
10 8	23 25.52	−13 59.4	1.027	1.958	14.7	19.7
10 18	23 21.87	−13 31.7	1.091	1.964	18.9	20.0

300752 2007 VX_{211} 9 17.4 86°.32 0°.6/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.42	+ 2 58.4	1.919	2.728	15.4	21.3
8 19	0 0.05	+ 2 26.8	1.844	2.736	12.2	21.1
8 29	23 54.65	+ 1 39.4	1.790	2.745	8.5	20.9
9 8	23 47.73	+ 0 39.5	1.760	2.753	4.4	20.7
9 18	23 40.04	− 0 27.6	1.757	2.762	0.6	20.4
9 28	23 32.49	− 1 35.1	1.782	2.770	4.3	20.8
10 8	23 25.96	− 2 36.4	1.835	2.778	8.3	21.0
10 18	23 21.12	− 3 26.2	1.912	2.787	11.9	21.3

521646 2015 QW_{17} 9 17.4 296°.78 1°.5/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 0.52	− 2 28.4	2.202	3.027	13.1	21.3
8 19	23 57.60	− 3 24.9	2.117	3.023	10.2	21.1
8 29	23 52.91	− 4 33.4	2.054	3.019	6.9	20.9
9 8	23 46.88	− 5 49.3	2.018	3.015	3.3	20.6
9 18	23 40.11	− 7 6.6	2.009	3.011	1.8	20.5
9 28	23 33.38	− 8 18.7	2.029	3.007	5.0	20.7
10 8	23 27.46	− 9 19.8	2.076	3.003	8.5	21.0
10 18	23 22.98	−10 6.0	2.148	3.000	11.7	21.2

30715 5034 T-$_3$ 9 17.4 242°.09 0°.5/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.08	+ 1 23.4	2.206	3.016	13.6	18.3
8 19	23 58.08	+ 0 22.2	2.113	3.009	10.7	18.1
8 29	23 53.27	− 0 54.5	2.043	3.002	7.3	17.9
9 8	23 47.07	− 2 22.6	1.998	2.994	3.6	17.6
9 18	23 40.10	− 3 56.2	1.982	2.986	0.7	17.4
9 28	23 33.13	− 5 27.9	1.995	2.978	4.5	17.7
10 8	23 26.94	− 6 50.8	2.036	2.970	8.3	17.9
10 18	23 22.20	− 7 59.5	2.103	2.962	11.6	18.1

398461 2011 UU_{98} 9 17.4 5°.57 2°.5/19.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.75	+ 6 6.5	1.920	2.713	15.9	21.0
8 19	0 1.22	+ 6 13.4	1.835	2.713	13.0	20.8
8 29	23 55.55	+ 6 4.2	1.770	2.713	9.5	20.6
9 8	23 48.24	+ 5 40.1	1.729	2.714	5.7	20.4
9 18	23 40.03	+ 5 3.9	1.714	2.714	2.6	20.2
9 28	23 31.87	+ 4 20.6	1.726	2.715	4.4	20.3
10 8	23 24.71	+ 3 36.2	1.766	2.715	8.1	20.6
10 18	23 19.29	+ 2 56.4	1.830	2.716	11.7	20.8

73889 1997 EN_{12} 9 17.4 30°.19 7°.5/23.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 8.40	+13 53.6	1.467	2.239	20.9	18.7
8 19	0 4.79	+15 8.4	1.399	2.249	17.8	18.5
8 29	23 58.36	+16 0.7	1.348	2.260	14.2	18.3
9 8	23 49.75	+16 27.2	1.317	2.272	10.6	18.2
9 18	23 39.94	+16 27.0	1.309	2.285	8.0	18.0
9 28	23 30.28	+16 3.1	1.325	2.298	7.9	18.1
10 8	23 22.05	+15 23.0	1.366	2.312	10.4	18.3
10 18	23 16.23	+14 35.5	1.429	2.326	13.7	18.5

476588 2008 RB_{139} 9 17.4 356°.10 0°.7/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 59.58	+ 2 51.4	1.318	2.162	19.2	21.2
8 19	23 58.05	+ 2 28.6	1.245	2.157	15.4	21.0
8 29	23 53.86	+ 1 44.1	1.190	2.154	10.8	20.7
9 8	23 47.55	+ 0 41.6	1.157	2.152	5.6	20.4
9 18	23 40.07	− 0 32.2	1.146	2.151	0.7	20.1
9 28	23 32.68	− 1 47.6	1.161	2.151	5.6	20.4
10 8	23 26.62	− 2 54.4	1.199	2.152	10.8	20.7
10 18	23 22.82	− 3 45.2	1.259	2.154	15.3	21.0

249433 2009 FA_6 9 17.4 55°.23 1°.2/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.84	− 1 49.3	1.905	2.732	14.8	20.8
8 19	23 59.65	− 2 33.3	1.828	2.735	11.6	20.6
8 29	23 54.42	− 3 30.3	1.774	2.738	7.8	20.4
9 8	23 47.66	− 4 35.6	1.744	2.741	3.8	20.1
9 18	23 40.09	− 5 43.0	1.741	2.744	1.4	20.0
9 28	23 32.62	− 6 45.6	1.766	2.748	5.2	20.3
10 8	23 26.16	− 7 37.2	1.817	2.751	9.1	20.5
10 18	23 21.39	− 8 13.7	1.893	2.754	12.6	20.7

99889 2002 PS_{164} 9 17.4 246°.27 2°.3/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.84	− 7 5.1	2.582	3.409	11.4	20.1
8 19	23 58.37	− 7 52.2	2.493	3.400	8.8	19.9
8 29	23 53.30	− 8 46.4	2.428	3.392	6.0	19.7
9 8	23 47.04	− 9 43.4	2.389	3.384	3.2	19.6
9 18	23 40.13	−10 38.3	2.379	3.375	2.6	19.5
9 28	23 33.23	−11 26.2	2.397	3.366	5.1	19.7
10 8	23 27.03	−12 3.1	2.444	3.358	8.1	19.8
10 18	23 22.08	−12 26.4	2.515	3.348	10.8	20.0

18060 1999 XJ_{156} 9 17.4 339°.96 1°.3/19.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 56.10	+ 6 20.7	4.087	4.853	8.6	18.2
8 19	23 53.27	+ 6 6.7	3.989	4.851	6.9	18.0
8 29	23 49.50	+ 5 44.2	3.914	4.849	5.0	17.9
9 8	23 45.06	+ 5 14.5	3.866	4.848	3.0	17.8
9 18	23 40.25	+ 4 39.2	3.846	4.846	1.4	17.6
9 28	23 35.47	+ 4 0.8	3.857	4.844	2.2	17.7
10 8	23 31.07	+ 3 21.9	3.897	4.843	4.2	17.9
10 18	23 27.40	+ 2 45.2	3.965	4.841	6.2	18.0

99893 2002 QX 9 17.4 251°.99 1°.3/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.36	− 3 19.8	2.457	3.277	12.1	20.0
8 19	23 58.04	− 4 0.3	2.372	3.275	9.4	19.8
8 29	23 53.10	− 4 50.1	2.309	3.272	6.3	19.6
9 8	23 46.95	− 5 45.5	2.273	3.270	3.1	19.4
9 18	23 40.16	− 6 41.7	2.265	3.268	1.5	19.2
9 28	23 33.41	− 7 33.6	2.287	3.265	4.5	19.5
10 8	23 27.40	− 8 16.7	2.335	3.263	7.7	19.7
10 18	23 22.69	− 8 47.9	2.410	3.261	10.6	19.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
47048 1998 WW_{18}			9 17.4 29°.85	3°.6/21.0 18		
	h m	° ′			°	m
8 9	0 2.92	+ 9 59.9	1.783	2.568	17.3	18.0
8 19	23 59.96	+10 1.3	1.703	2.571	14.3	17.8
8 29	23 54.78	+ 9 41.9	1.641	2.575	10.7	17.6
9 8	23 47.90	+ 9 2.6	1.601	2.578	6.9	17.4
9 18	23 40.10	+ 8 6.4	1.587	2.582	3.9	17.2
9 28	23 32.37	+ 6 59.3	1.599	2.586	4.8	17.3
10 8	23 25.71	+ 5 49.0	1.638	2.591	8.4	17.5
10 18	23 20.89	+ 4 43.2	1.701	2.595	12.0	17.8
361526 2007 FG_{46}			9 17.4 122°.57	0°.1/17.4 18		
8 9	0 2.90	+ 0 17.6	2.577	3.379	12.1	21.9
8 19	23 59.08	− 0 9.6	2.498	3.388	9.5	21.8
8 29	23 53.71	− 0 47.0	2.442	3.397	6.5	21.6
9 8	23 47.21	− 1 31.7	2.412	3.406	3.2	21.4
9 18	23 40.14	− 2 19.9	2.410	3.415	0.2	21.1
9 28	23 33.18	− 3 7.1	2.438	3.423	3.6	21.5
10 8	23 26.96	− 3 49.0	2.494	3.431	6.8	21.7
10 18	23 22.03	− 4 22.3	2.577	3.439	9.6	21.9
472665 2015 ED_{3}			9 17.4 91°.97	1°.2/18.4 16		
8 9	0 9.14	+ 2 23.6	1.562	2.377	18.0	21.3
8 19	0 5.05	+ 2 25.1	1.491	2.385	14.4	21.1
8 29	23 58.35	+ 2 10.4	1.439	2.394	10.2	20.8
9 8	23 49.69	+ 1 41.9	1.410	2.402	5.4	20.6
9 18	23 40.00	+ 1 4.1	1.406	2.410	1.3	20.3
9 28	23 30.50	+ 0 23.3	1.430	2.418	5.0	20.6
10 8	23 22.35	− 0 13.6	1.479	2.426	9.6	20.9
10 18	23 16.43	− 0 41.3	1.552	2.434	13.7	21.2
181275 2005 XN_{8}			9 17.4 257°.85	0°.5/18.3 17		
8 9	23 59.34	+ 2 19.7	3.471	4.257	9.6	21.6
8 19	23 56.00	+ 2 1.3	3.364	4.243	7.6	21.4
8 29	23 51.49	+ 1 34.3	3.282	4.230	5.3	21.3
9 8	23 46.10	+ 1 0.4	3.225	4.216	2.8	21.1
9 18	23 40.22	+ 0 21.9	3.198	4.203	0.6	20.8
9 28	23 34.31	− 0 18.0	3.201	4.189	2.7	21.0
10 8	23 28.87	− 0 56.3	3.234	4.175	5.3	21.2
10 18	23 24.31	− 1 29.9	3.294	4.160	7.6	21.3
476137 2007 TZ_{250}			9 17.4 350°.24	0°.6/17.9 18		
8 9	0 6.13	+ 0 38.5	1.689	2.510	16.6	21.1
8 19	0 2.60	+ 0 40.5	1.609	2.508	13.3	20.9
8 29	23 56.67	+ 0 28.8	1.548	2.506	9.3	20.7
9 8	23 48.87	+ 0 5.9	1.510	2.504	4.8	20.4
9 18	23 40.06	− 0 24.1	1.499	2.503	0.6	20.1
9 28	23 31.31	− 0 55.6	1.514	2.502	4.8	20.4
10 8	23 23.71	− 1 22.7	1.555	2.502	9.3	20.7
10 18	23 18.11	− 1 40.7	1.620	2.501	13.3	20.9
423116 2004 BH_{98}			9 17.4 194°.22	0°.9/16.5 17		
8 9	0 7.15	− 1 1.8	1.959	2.773	14.9	22.5
8 19	0 3.06	− 1 43.6	1.873	2.771	11.7	22.3
8 29	23 56.81	− 2 39.2	1.809	2.769	8.0	22.1
9 8	23 48.90	− 3 44.1	1.769	2.766	3.9	21.8
9 18	23 40.06	− 4 52.7	1.758	2.762	1.1	21.6
9 28	23 31.27	− 5 57.7	1.775	2.758	5.1	21.9
10 8	23 23.48	− 6 52.8	1.820	2.752	9.2	22.1
10 18	23 17.46	− 7 33.5	1.889	2.747	12.8	22.3
216315 2007 TJ_{196}			9 17.4 198°.79	4°.0/14.3 17		
8 9	0 9.97	− 8 50.4	1.538	2.382	16.9	21.1
8 19	0 5.86	− 9 37.5	1.465	2.381	13.2	20.9
8 29	23 59.03	−10 33.7	1.412	2.379	9.1	20.6
9 8	23 50.08	−11 31.8	1.383	2.377	5.1	20.4
9 18	23 39.99	−12 23.7	1.380	2.375	4.4	20.4
9 28	23 30.05	−13 1.3	1.403	2.372	8.0	20.6
10 8	23 21.50	−13 19.5	1.451	2.369	12.2	20.8
10 18	23 15.26	−13 16.4	1.521	2.366	16.0	21.0
133580 2003 UA_{55}			9 17.4 17°.49	7°.0/24.1 18		
8 9	0 1.38	+16 27.8	1.512	2.281	20.5	19.0
8 19	23 59.24	+16 58.6	1.438	2.285	17.6	18.8
8 29	23 54.55	+17 2.1	1.380	2.290	14.1	18.6
9 8	23 47.89	+16 36.6	1.341	2.296	10.5	18.4
9 18	23 40.12	+15 43.1	1.325	2.303	7.6	18.3
9 28	23 32.45	+14 27.2	1.333	2.310	7.2	18.3
10 8	23 26.03	+12 58.6	1.365	2.318	9.7	18.4
10 18	23 21.75	+11 28.0	1.421	2.327	13.1	18.7
304426 2006 TS_{77}			9 17.4 331°.02	0°.3/17.7 18		
8 9	0 2.45	+ 1 25.0	1.845	2.664	15.5	21.2
8 19	23 59.53	+ 1 2.5	1.760	2.659	12.3	21.0
8 29	23 54.47	+ 0 24.8	1.695	2.654	8.6	20.8
9 8	23 47.77	− 0 24.8	1.655	2.649	4.4	20.5
9 18	23 40.14	− 1 21.3	1.640	2.645	0.3	20.2
9 28	23 32.55	− 2 18.4	1.653	2.641	4.6	20.5
10 8	23 25.95	− 3 9.3	1.693	2.637	8.8	20.7
10 18	23 21.09	− 3 48.8	1.757	2.634	12.6	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
369782 2012 GX_{29}			9 17.4 183°.14	0°.7/18.1 17		
	h m	° ′			°	m
8 9	0 5.19	+ 3 43.2	1.570	2.387	17.8	21.3
8 19	0 2.05	+ 3 8.3	1.491	2.387	14.3	21.1
8 29	23 56.40	+ 2 12.7	1.431	2.387	10.0	20.8
9 8	23 48.78	+ 1 0.3	1.394	2.387	5.2	20.5
9 18	23 40.09	− 0 22.7	1.382	2.387	0.7	20.2
9 28	23 31.46	− 1 47.1	1.398	2.386	5.2	20.5
10 8	23 24.07	− 3 3.7	1.440	2.386	9.9	20.8
10 18	23 18.77	− 4 5.3	1.505	2.385	14.2	21.1
440594 2005 UH_{529}			9 17.4 262°.15	4°.0/22.2 17		
8 9	0 2.11	+12 51.1	2.320	3.070	14.7	21.6
8 19	23 58.89	+12 53.2	2.220	3.063	12.3	21.4
8 29	23 53.85	+12 37.2	2.141	3.056	9.6	21.2
9 8	23 47.42	+12 3.2	2.084	3.049	6.6	21.0
9 18	23 40.17	+11 13.0	2.054	3.042	4.3	20.9
9 28	23 32.90	+10 10.6	2.052	3.034	4.6	20.9
10 8	23 26.38	+ 9 1.9	2.078	3.027	7.1	21.0
10 18	23 21.30	+ 7 53.3	2.130	3.019	10.2	21.2
521619 2015 PB_{321}			9 17.4 353°.97	2°.8/14.0 18		
8 9	23 58.35	− 4 13.4	1.889	2.732	14.2	20.6
8 19	23 56.24	− 5 39.3	1.812	2.730	11.0	20.4
8 29	23 52.16	− 7 18.8	1.758	2.727	7.4	20.1
9 8	23 46.59	− 9 5.3	1.729	2.726	3.8	19.9
9 18	23 40.22	−10 50.3	1.727	2.724	3.3	19.9
9 28	23 33.91	−12 24.8	1.753	2.723	6.6	20.1
10 8	23 28.53	−13 41.6	1.806	2.723	10.2	20.3
10 18	23 24.74	−14 36.7	1.881	2.723	13.5	20.5
91071 1998 FY_{76}			9 17.4 185°.72	2°.5/14.8 18		
8 9	0 7.98	− 7 21.6	2.228	3.050	13.1	20.2
8 19	0 3.39	− 8 2.5	2.146	3.050	10.2	20.0
8 29	23 56.85	− 8 50.6	2.087	3.050	6.9	19.8
9 8	23 48.86	− 9 41.2	2.054	3.049	3.7	19.6
9 18	23 40.09	−10 28.9	2.050	3.047	2.8	19.6
9 28	23 31.41	−11 8.2	2.074	3.045	5.7	19.8
10 8	23 23.65	−11 35.0	2.127	3.042	9.1	20.0
10 18	23 17.49	−11 47.0	2.204	3.038	12.1	20.2
425531 2010 OJ_{68}			9 17.4 250°.62	6°.4/22.9 18		
8 9	0 6.83	+14 54.2	1.668	2.425	19.3	21.5
8 19	0 3.54	+15 24.5	1.571	2.414	16.5	21.3
8 29	23 57.62	+15 31.3	1.491	2.402	13.2	21.0
9 8	23 49.51	+15 12.1	1.432	2.390	9.7	20.8
9 18	23 40.04	+14 27.0	1.396	2.378	6.8	20.6
9 28	23 30.40	+13 19.9	1.387	2.365	6.9	20.6
10 8	23 21.85	+11 59.4	1.402	2.352	9.9	20.7
10 18	23 15.44	+10 35.2	1.442	2.338	13.6	20.9
326820 2003 TM_{45}			9 17.4 319°.26	4°.2/22.5 18		
8 9	23 59.91	+13 39.5	2.238	2.991	15.1	21.0
8 19	23 57.25	+13 36.8	2.140	2.983	12.7	20.8
8 29	23 52.77	+13 14.6	2.060	2.975	9.9	20.6
9 8	23 46.89	+12 32.9	2.004	2.967	6.9	20.4
9 18	23 40.21	+11 33.7	1.973	2.960	4.5	20.2
9 28	23 33.50	+10 21.4	1.970	2.953	4.7	20.2
10 8	23 27.57	+ 9 2.7	1.995	2.946	7.3	20.4
10 18	23 23.07	+ 7 44.3	2.045	2.939	10.3	20.6
151036 2001 UE_{182}			9 17.4 191°.62	3°.7/13.9 18		
8 9	0 7.07	− 8 37.4	1.835	2.674	14.8	19.9
8 19	0 3.13	− 9 35.6	1.759	2.673	11.5	19.7
8 29	23 56.91	−10 42.5	1.705	2.672	7.9	19.5
9 8	23 48.97	−11 51.4	1.677	2.670	4.5	19.3
9 18	23 40.09	−12 54.9	1.675	2.668	4.1	19.2
9 28	23 31.32	−13 45.5	1.701	2.666	7.3	19.4
10 8	23 23.67	−14 18.4	1.752	2.663	10.9	19.6
10 18	23 17.91	−14 31.2	1.827	2.660	14.2	19.8
342661 2008 VK_{6}			9 17.4 63°.73	8°.4/ 8.7 18		
8 9	0 5.16	−19 58.4	1.686	2.545	14.9	20.2
8 19	0 1.86	−21 42.4	1.633	2.550	12.1	20.0
8 29	23 56.13	−23 25.5	1.602	2.554	9.6	19.9
9 8	23 48.58	−24 57.3	1.596	2.559	8.4	19.8
9 18	23 40.12	−26 8.1	1.614	2.564	9.3	19.9
9 28	23 31.90	−26 51.1	1.657	2.568	11.6	20.1
10 8	23 24.97	−27 3.7	1.722	2.573	14.3	20.2
10 18	23 20.11	−26 47.5	1.807	2.578	16.8	20.4
299212 2005 JN_{48}			9 17.4 57°.76	0°.2/17.2 18		
8 9	0 2.53	+ 1 3.8	1.873	2.692	15.3	21.1
8 19	23 59.46	+ 0 23.7	1.797	2.697	12.1	20.9
8 29	23 54.33	− 0 31.7	1.742	2.702	8.3	20.6
9 8	23 47.66	− 1 38.2	1.712	2.708	4.1	20.4
9 18	23 40.18	− 2 50.0	1.708	2.713	0.4	20.1
9 28	23 32.81	− 3 59.8	1.732	2.718	4.7	20.5
10 8	23 26.46	− 5 0.9	1.783	2.724	8.8	20.7
10 18	23 21.82	− 5 48.2	1.859	2.729	12.3	21.0

340361 2006 DX_{106} 9 17.4 272°.46 0°.9/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 8.26	+ 1 20.1	1.842	2.650	15.9	21.7
8 19	0 4.31	+ 1 23.7	1.740	2.631	12.9	21.5
8 29	23 57.95	+ 1 13.9	1.658	2.612	9.1	21.2
9 8	23 49.62	+ 0 52.6	1.600	2.593	4.9	20.9
9 18	23 40.06	+ 0 23.1	1.569	2.573	0.9	20.6
9 28	23 30.33	− 0 9.5	1.565	2.553	4.8	20.8
10 8	23 21.57	− 0 39.4	1.589	2.533	9.3	21.0
10 18	23 14.70	− 1 1.4	1.636	2.513	13.4	21.2

66705 1999 TM_{92} 9 17.4 303°.64 1°.8/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.58	− 3 2.4	1.642	2.483	16.1	19.1
8 19	0 0.04	− 3 44.7	1.551	2.466	12.7	18.9
8 29	23 55.09	− 4 42.1	1.481	2.449	8.7	18.6
9 8	23 48.20	− 5 49.4	1.434	2.432	4.3	18.3
9 18	23 40.14	− 6 59.6	1.413	2.416	2.1	18.1
9 28	23 32.00	− 8 4.2	1.419	2.399	6.4	18.3
10 8	23 24.92	− 8 55.5	1.449	2.384	10.9	18.6
10 18	23 19.80	− 9 28.4	1.502	2.368	15.0	18.8

510656 2012 TN_{268} 9 17.4 215°.33 2°.3/14.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.95	− 3 25.7	2.006	2.834	14.1	22.0
8 19	23 59.75	− 4 41.7	1.921	2.830	11.0	21.8
8 29	23 54.54	− 6 11.5	1.859	2.825	7.4	21.5
9 8	23 47.78	− 7 49.0	1.823	2.820	3.7	21.3
9 18	23 40.17	− 9 26.6	1.815	2.814	2.7	21.2
9 28	23 32.59	−10 56.1	1.836	2.809	6.1	21.4
10 8	23 25.91	−12 10.3	1.884	2.803	9.8	21.7
10 18	23 20.87	−13 5.1	1.956	2.796	13.1	21.9

58513 1996 XW_{11} 9 17.4 312°.98 1°.7/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.22	− 4 25.3	1.934	2.767	14.3	19.7
8 19	0 0.06	− 4 57.1	1.848	2.758	11.3	19.4
8 29	23 54.80	− 5 39.4	1.783	2.749	7.6	19.2
9 8	23 47.94	− 6 27.8	1.742	2.740	3.8	18.9
9 18	23 40.17	− 7 16.8	1.729	2.731	2.0	18.8
9 28	23 32.42	− 8 0.1	1.743	2.722	5.6	19.0
10 8	23 25.61	− 8 32.3	1.783	2.714	9.5	19.2
10 18	23 20.49	− 8 50.0	1.847	2.706	13.0	19.5

400678 2009 PG_5 9 17.4 356°.70 0°.5/16.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 58.71	+ 1 15.0	1.880	2.706	15.0	20.0
8 19	23 56.52	+ 0 21.3	1.799	2.704	11.8	19.8
8 29	23 52.37	− 0 49.0	1.739	2.702	8.1	19.5
9 8	23 46.71	− 2 11.4	1.704	2.701	3.9	19.3
9 18	23 40.24	− 3 39.3	1.695	2.700	0.7	19.0
9 28	23 33.84	− 5 4.8	1.715	2.700	4.9	19.3
10 8	23 28.36	− 6 20.3	1.760	2.700	8.9	19.6
10 18	23 24.49	− 7 20.1	1.830	2.701	12.5	19.8

185824 2000 AW_{37} 9 17.4 298°.81 7°.0/11.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.26	−13 4.8	1.403	2.270	16.9	20.1
8 19	0 2.00	−14 30.0	1.317	2.244	13.5	19.8
8 29	23 56.83	−16 5.8	1.250	2.219	9.9	19.6
9 8	23 49.23	−17 42.2	1.207	2.193	7.2	19.3
9 18	23 40.08	−19 7.1	1.187	2.168	7.9	19.3
9 28	23 30.76	−20 8.7	1.192	2.142	11.4	19.4
10 8	23 22.69	−20 39.5	1.219	2.117	15.6	19.6
10 18	23 17.03	−20 37.6	1.264	2.092	19.6	19.8

96864 1999 SK_9 9 17.5 306°.15 9°.4/ 7.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.38	−20 49.4	1.565	2.430	15.6	18.2
8 19	0 1.85	−22 29.0	1.485	2.404	12.9	17.9
8 29	23 56.56	−24 10.7	1.426	2.379	10.5	17.7
9 8	23 49.02	−25 43.1	1.391	2.353	9.4	17.6
9 18	23 40.11	−26 54.6	1.379	2.328	10.5	17.6
9 28	23 31.11	−27 35.8	1.390	2.304	13.2	17.7
10 8	23 23.34	−27 42.4	1.423	2.279	16.4	17.8
10 18	23 17.85	−27 14.8	1.473	2.255	19.5	18.0

374682 2006 QR_{50} 9 17.5 21°.10 2°.1/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 58.92	− 1 49.3	0.919	1.802	22.3	19.8
8 19	23 58.27	− 2 35.1	0.875	1.813	17.4	19.5
8 29	23 54.30	− 3 42.5	0.847	1.825	11.7	19.3
9 8	23 47.84	− 5 2.8	0.838	1.839	5.6	19.0
9 18	23 40.19	− 6 23.8	0.851	1.854	2.5	18.9
9 28	23 32.98	− 7 32.7	0.885	1.871	7.9	19.3
10 8	23 27.65	− 8 19.7	0.940	1.889	13.4	19.6
10 18	23 25.09	− 8 40.7	1.014	1.909	18.1	20.0

380726 2005 QZ_{177} 9 17.5 317°.36 1°.2/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.80	+ 2 0.9	1.330	2.170	19.2	20.7
8 19	0 0.92	+ 2 5.0	1.237	2.147	15.6	20.4
8 29	23 56.15	+ 1 50.3	1.163	2.125	11.2	20.1
9 8	23 48.92	+ 1 18.6	1.109	2.103	6.0	19.7
9 18	23 40.11	+ 0 34.2	1.078	2.082	1.2	19.3
9 28	23 31.06	− 0 15.4	1.071	2.062	5.8	19.6
10 8	23 23.23	− 1 1.2	1.088	2.042	11.4	19.8
10 18	23 17.82	− 1 35.3	1.126	2.024	16.5	20.1

395296 2011 GS_{71} 9 17.5 48°.78 20°.6/ 5.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 30.06	−43 41.1	1.108	1.927	23.6	20.6
8 19	0 23.54	−45 24.4	1.081	1.930	22.0	20.5
8 29	0 11.83	−46 37.1	1.068	1.933	20.9	20.4
9 8	23 56.41	−47 1.4	1.072	1.937	20.6	20.4
9 18	23 39.71	−46 26.4	1.091	1.940	21.3	20.5
9 28	23 24.56	−44 51.0	1.128	1.944	22.7	20.6
10 8	23 13.06	−42 24.7	1.180	1.948	24.4	20.7
10 18	23 6.09	−39 21.6	1.247	1.951	26.1	20.9

118319 1998 XP_{10} 9 17.5 274°.99 0°.4/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.49	+ 1 28.4	1.681	2.501	16.7	19.4
8 19	0 2.31	+ 1 10.4	1.587	2.486	13.4	19.2
8 29	23 56.66	+ 0 35.7	1.512	2.470	9.4	18.9
9 8	23 49.00	− 0 12.8	1.460	2.455	4.9	18.6
9 18	23 40.12	− 1 10.2	1.434	2.439	0.4	18.2
9 28	23 31.13	− 2 9.3	1.435	2.423	5.2	18.5
10 8	23 23.19	− 3 2.5	1.462	2.407	9.9	18.8
10 18	23 17.26	− 3 43.4	1.513	2.391	14.2	19.0

263520 2008 EO_{149} 9 17.5 123°.21 0°.5/17.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 10.08	+ 0 38.6	1.649	2.464	17.2	21.2
8 19	0 5.68	+ 0 34.8	1.575	2.471	13.7	20.9
8 29	23 58.75	+ 0 16.7	1.521	2.478	9.5	20.7
9 8	23 49.91	− 0 12.8	1.491	2.485	4.9	20.5
9 18	23 40.08	− 0 49.0	1.487	2.492	0.5	20.1
9 28	23 30.41	− 1 25.9	1.510	2.498	5.0	20.5
10 8	23 22.05	− 1 57.2	1.560	2.504	9.5	20.8
10 18	23 15.82	− 2 18.3	1.634	2.510	13.5	21.0

1317 Silvretta 9 17.5 327°.90 3°.2/15.3 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 11.92	−11 41.9	1.857	2.691	14.8	14.2
8 19	0 7.11	−11 32.0	1.763	2.672	11.8	14.0
8 29	23 59.79	−11 23.7	1.689	2.653	8.2	13.7
9 8	23 50.49	−11 12.6	1.641	2.634	4.6	13.5
9 18	23 40.04	−10 54.4	1.620	2.617	3.5	13.4
9 28	23 29.58	−10 25.6	1.626	2.600	6.6	13.5
10 8	23 20.24	− 9 44.2	1.660	2.583	10.5	13.7
10 18	23 12.92	− 8 50.1	1.717	2.568	14.2	13.9

416765 2005 ET_{218} 9 17.5 180°.08 3°.7/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 8.27	− 7 42.3	1.697	2.536	15.8	21.4
8 19	0 4.26	− 8 45.2	1.623	2.537	12.3	21.2
8 29	23 57.80	− 9 58.4	1.571	2.538	8.4	21.0
9 8	23 49.46	−11 14.8	1.544	2.538	4.7	20.8
9 18	23 40.12	−12 25.9	1.543	2.538	4.2	20.7
9 28	23 30.91	−13 23.7	1.570	2.537	7.5	20.9
10 8	23 22.93	−14 2.3	1.622	2.536	11.5	21.2
10 18	23 17.00	−14 19.3	1.697	2.534	15.0	21.4

357003 1999 CX_{142} 9 17.5 274°.73 0°.7/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.95	− 1 9.2	2.204	3.016	13.5	21.8
8 19	0 1.34	− 1 42.2	2.091	2.988	10.8	21.6
8 29	23 55.72	− 2 28.1	2.000	2.959	7.4	21.3
9 8	23 48.46	− 3 23.5	1.934	2.930	3.6	21.0
9 18	23 40.17	− 4 23.8	1.897	2.901	0.9	20.7
9 28	23 31.70	− 5 23.1	1.888	2.871	4.8	21.0
10 8	23 23.94	− 6 15.1	1.906	2.840	8.8	21.2
10 18	23 17.68	− 6 55.2	1.950	2.809	12.4	21.3

507625 2013 GS_{29} 9 17.5 53°.10 0°.5/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 12.08	− 1 21.6	1.046	1.898	22.5	20.7
8 19	0 8.08	− 1 27.2	1.004	1.922	17.6	20.5
8 29	0 0.70	− 1 50.5	0.979	1.947	12.0	20.2
9 8	23 50.88	− 2 26.0	0.975	1.972	5.8	20.0
9 18	23 40.07	− 3 5.8	0.993	1.998	0.7	19.7
9 28	23 29.95	− 3 41.1	1.035	2.024	6.6	20.2
10 8	23 21.96	− 4 4.6	1.101	2.050	12.0	20.6
10 18	23 16.95	− 4 12.4	1.187	2.076	16.5	20.9

450737 2007 GD_{52} 9 17.5 146°.68 3°.6/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.37	+16 31.7	3.027	3.737	12.4	22.0
8 19	23 57.76	+16 5.7	2.933	3.746	10.4	21.9
8 29	23 52.77	+15 22.7	2.860	3.755	8.2	21.7
9 8	23 46.79	+14 23.5	2.812	3.763	5.9	21.6
9 18	23 40.31	+13 10.2	2.791	3.771	4.0	21.5
9 28	23 33.88	+11 46.8	2.800	3.778	3.9	21.5
10 8	23 28.10	+10 18.6	2.839	3.785	5.7	21.6
10 18	23 23.42	+ 8 51.1	2.907	3.791	7.9	21.8

98462 2000 UB_{79} 9 17.5 250°.86 2°.3/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.19	− 6 1.4	1.851	2.683	14.9	19.8
8 19	0 3.30	− 6 33.3	1.765	2.675	11.7	19.6
8 29	23 57.11	− 7 14.7	1.701	2.666	8.0	19.3
9 8	23 49.14	− 8 0.8	1.662	2.658	4.1	19.1
9 18	23 40.17	− 8 45.6	1.649	2.649	2.6	19.0
9 28	23 31.23	− 9 22.6	1.664	2.641	6.1	19.2
10 8	23 23.34	− 9 46.8	1.706	2.632	10.1	19.4
10 18	23 17.32	− 9 55.2	1.771	2.623	13.8	19.6

369706 2012 DA_{27} 9 17.5 98°.93 4°.6/21.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 9.96	+ 9 48.0	1.503	2.290	19.9	20.9
8 19	0 5.92	+10 16.3	1.431	2.300	16.5	20.7
8 29	23 59.12	+10 22.7	1.377	2.309	12.5	20.5
9 8	23 50.19	+10 6.9	1.344	2.319	8.2	20.2
9 18	23 40.11	+ 9 31.0	1.335	2.329	4.9	20.1
9 28	23 30.20	+ 8 40.7	1.352	2.338	5.8	20.2
10 8	23 21.71	+ 7 44.4	1.395	2.347	9.6	20.4
10 18	23 15.57	+ 6 50.4	1.462	2.356	13.6	20.7

412540 2014 MM_{53} 9 17.5 59°.49 4°.5/11.9 18

8 9	0 1.84	−10 39.1	2.020	2.867	13.3	20.8
8 19	23 58.66	−12 15.9	1.971	2.889	10.2	20.6
8 29	23 53.61	−13 58.1	1.946	2.912	7.1	20.5
9 8	23 47.25	−15 37.9	1.946	2.934	4.8	20.4
9 18	23 40.29	−17 7.3	1.975	2.956	5.1	20.5
9 28	23 33.55	−18 19.6	2.031	2.979	7.6	20.7
10 8	23 27.83	−19 10.7	2.113	3.001	10.4	20.9
10 18	23 23.68	−19 39.4	2.218	3.024	13.0	21.1

425682 2011 AA_{30} 9 17.5 130°.10 1°.5/16.1 17

8 9	0 8.53	− 3 3.7	1.794	2.617	15.7	21.6
8 19	0 4.20	− 3 41.9	1.724	2.628	12.3	21.4
8 29	23 57.60	− 4 32.1	1.675	2.638	8.3	21.2
9 8	23 49.31	− 5 29.3	1.652	2.648	4.0	21.0
9 18	23 40.17	− 6 27.0	1.655	2.658	1.7	20.8
9 28	23 31.24	− 7 18.5	1.687	2.667	5.6	21.1
10 8	23 23.50	− 7 57.9	1.745	2.676	9.6	21.4
10 18	23 17.69	− 8 22.0	1.827	2.684	13.2	21.6

330617 2008 DQ_{88} 9 17.5 294°.93 0°.2/17.3 17

8 9	0 2.72	+ 1 40.8	1.415	2.251	18.5	20.6
8 19	0 0.59	+ 1 3.2	1.326	2.236	14.8	20.3
8 29	23 55.74	+ 0 3.8	1.257	2.221	10.3	20.0
9 8	23 48.65	− 1 13.4	1.209	2.206	5.2	19.7
9 18	23 40.19	− 2 41.1	1.186	2.191	0.5	19.3
9 28	23 31.63	− 4 9.2	1.189	2.176	6.1	19.6
10 8	23 24.28	− 5 26.7	1.215	2.162	11.4	19.9
10 18	23 19.18	− 6 25.8	1.264	2.147	16.1	20.1

312442 2008 HF_{60} 9 17.5 73°.69 2°.9/13.9 18

8 9	0 1.67	− 6 59.8	2.171	3.007	12.9	20.6
8 19	23 58.51	− 8 4.7	2.097	3.010	10.0	20.4
8 29	23 53.55	− 9 18.2	2.047	3.014	6.7	20.3
9 8	23 47.27	−10 34.6	2.023	3.018	3.7	20.1
9 18	23 40.29	−11 47.3	2.027	3.022	3.3	20.1
9 28	23 33.41	−12 50.0	2.059	3.026	6.1	20.2
10 8	23 27.40	−13 37.9	2.118	3.029	9.3	20.5
10 18	23 22.87	−14 8.2	2.200	3.033	12.1	20.7

404789 2014 JR_{53} 9 17.5 51°.62 4°.6/13.3 18

8 9	0 6.89	−12 17.5	1.779	2.626	14.8	20.8
8 19	0 2.76	−13 7.4	1.732	2.649	11.5	20.6
8 29	23 56.46	−14 0.5	1.708	2.673	8.0	20.5
9 8	23 48.65	−14 50.0	1.708	2.697	5.1	20.3
9 18	23 40.22	−15 29.3	1.734	2.721	5.0	20.4
9 28	23 32.16	−15 53.1	1.787	2.745	7.6	20.6
10 8	23 25.38	−15 58.8	1.865	2.769	10.7	20.8
10 18	23 20.50	−15 46.1	1.966	2.794	13.6	21.1

208811 2002 RQ 9 17.5 341°.54 4°.1/13.6 18

8 9	23 59.71	− 7 18.1	1.507	2.368	16.3	19.2
8 19	23 57.91	− 8 28.8	1.432	2.359	12.7	19.0
8 29	23 53.66	− 9 52.4	1.378	2.351	8.7	18.7
9 8	23 47.50	−11 21.0	1.348	2.344	4.9	18.5
9 18	23 40.28	−12 44.9	1.342	2.337	4.7	18.5
9 28	23 33.11	−13 54.4	1.362	2.331	8.2	18.7
10 8	23 27.12	−14 42.2	1.406	2.326	12.4	18.9
10 18	23 23.15	−15 4.9	1.471	2.321	16.1	19.1

80155 1999 TN_{206} 9 17.5 323°.76 2°.8/15.7 18

8 9	0 6.46	− 6 22.4	1.261	2.120	18.9	19.4
8 19	0 3.85	− 6 38.7	1.182	2.106	15.0	19.1
8 29	23 58.14	− 7 6.6	1.122	2.093	10.3	18.8
9 8	23 49.89	− 7 40.4	1.083	2.081	5.3	18.5
9 18	23 40.14	− 8 12.8	1.068	2.069	3.1	18.3
9 28	23 30.38	− 8 35.2	1.076	2.058	7.7	18.6
10 8	23 22.11	− 8 41.5	1.108	2.048	12.9	18.8
10 18	23 16.46	− 8 28.4	1.161	2.039	17.6	19.1

398070 2009 HO_{99} 9 17.5 76°.44 3°.6/21.7 18

8 9	0 2.47	+11 58.8	2.063	2.827	15.9	21.5
8 19	23 59.27	+11 47.6	1.984	2.838	13.2	21.3
8 29	23 54.14	+11 16.3	1.924	2.848	10.0	21.1
9 8	23 47.59	+10 25.9	1.887	2.859	6.6	21.0
9 18	23 40.29	+ 9 19.6	1.877	2.869	3.9	20.8
9 28	23 33.11	+ 8 3.1	1.894	2.879	4.4	20.9
10 8	23 26.87	+ 6 43.5	1.939	2.890	7.4	21.1
10 18	23 22.21	+ 5 28.0	2.009	2.900	10.6	21.3

147224 2002 XB_{31} 9 17.5 104°.63 2°.9/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 8.12	+ 6 49.2	1.640	2.436	18.1	19.9
8 19	0 4.22	+ 6 57.1	1.565	2.443	14.8	19.7
8 29	23 57.83	+ 6 45.9	1.508	2.451	10.8	19.5
9 8	23 49.52	+ 6 16.8	1.475	2.459	6.5	19.3
9 18	23 40.19	+ 5 33.2	1.466	2.466	3.0	19.1
9 28	23 31.00	+ 4 41.1	1.485	2.473	4.9	19.2
10 8	23 23.07	+ 3 48.2	1.530	2.480	9.0	19.5
10 18	23 17.24	+ 3 1.1	1.599	2.487	13.0	19.8

480726 2015 VS_{125} 9 17.5 353°.13 5°.5/11.7 18

8 9	0 1.07	−13 10.1	1.785	2.644	14.3	20.1
8 19	23 58.54	−14 24.6	1.717	2.640	11.2	19.9
8 29	23 53.84	−15 44.3	1.671	2.637	8.0	19.7
9 8	23 47.51	−17 1.5	1.649	2.635	5.7	19.5
9 18	23 40.30	−18 7.7	1.653	2.633	6.1	19.6
9 28	23 33.22	−18 55.7	1.683	2.631	8.8	19.7
10 8	23 27.19	−19 21.3	1.737	2.631	12.0	19.9
10 18	23 22.96	−19 23.3	1.813	2.631	15.0	20.1

218114 2002 PP_{59} 9 17.5 46°.70 2°.5/15.3 18

8 9	0 3.79	− 0 39.9	1.086	1.947	21.2	19.5
8 19	0 1.43	− 2 11.8	1.049	1.975	16.4	19.3
8 29	23 56.07	− 4 4.3	1.031	2.004	10.8	19.1
9 8	23 48.60	− 6 6.3	1.034	2.033	5.1	18.8
9 18	23 40.26	− 8 4.0	1.062	2.064	3.0	18.8
9 28	23 32.52	− 9 44.1	1.114	2.094	7.8	19.2
10 8	23 26.58	−10 57.8	1.189	2.125	12.6	19.6
10 18	23 23.18	−11 42.0	1.284	2.156	16.7	19.9

444337 2005 WB_{89} 9 17.5 335°.96 5°.0/22.8 18

8 9	0 0.92	+14 4.5	1.954	2.714	16.8	20.5
8 19	23 58.37	+14 16.7	1.861	2.707	14.2	20.3
8 29	23 53.74	+14 7.6	1.786	2.701	11.2	20.1
9 8	23 47.50	+13 36.7	1.734	2.695	8.0	19.9
9 18	23 40.32	+12 45.3	1.705	2.690	5.4	19.7
9 28	23 33.10	+11 38.2	1.704	2.685	5.5	19.7
10 8	23 26.80	+10 22.4	1.728	2.680	8.1	19.9
10 18	23 22.15	+ 9 5.8	1.778	2.676	11.4	20.1

521316 2015 KY_{170} 9 17.5 345°.02 1°.0/18.4 18

8 9	23 58.39	+ 4 12.7	1.367	2.205	18.9	20.4
8 19	23 57.14	+ 3 45.9	1.288	2.196	15.3	20.1
8 29	23 53.31	+ 2 55.8	1.226	2.188	10.8	19.8
9 8	23 47.41	+ 1 45.6	1.186	2.181	5.8	19.5
9 18	23 40.32	+ 0 21.8	1.170	2.174	1.1	19.2
9 28	23 33.24	− 1 5.6	1.178	2.169	5.4	19.5
10 8	23 27.39	− 2 25.8	1.211	2.165	10.5	19.8
10 18	23 23.71	− 3 30.3	1.266	2.162	15.1	20.0

160046 1999 SG_{23} 9 17.5 17°.53 1°.5/16.7 18

8 9	0 13.97	− 6 56.2	1.422	2.261	18.3	19.0
8 19	0 9.13	− 6 30.2	1.353	2.264	14.4	18.7
8 29	0 1.34	− 6 10.4	1.304	2.269	9.9	18.5
9 8	23 51.30	− 5 53.4	1.277	2.274	4.9	18.2
9 18	23 40.11	− 5 35.2	1.276	2.280	1.7	18.0
9 28	23 29.21	− 5 12.0	1.302	2.287	6.2	18.3
10 8	23 19.94	− 4 41.0	1.353	2.294	11.0	18.6
10 18	23 13.22	− 4 1.0	1.427	2.302	15.1	18.9

474327 2002 DV_{18} 9 17.5 196°.23 4°.9/12.4 16

8 9	0 10.64	−15 24.9	2.298	3.127	12.5	21.9
8 19	0 5.48	−16 15.3	2.220	3.124	9.9	21.7
8 29	23 58.32	−17 7.5	2.164	3.121	7.2	21.6
9 8	23 49.66	−17 55.3	2.136	3.116	5.1	21.4
9 18	23 40.21	−18 32.9	2.135	3.111	5.3	21.4
9 28	23 30.86	−18 55.4	2.163	3.106	7.5	21.6
10 8	23 22.48	−19 0.1	2.218	3.099	10.3	21.7
10 18	23 15.77	−18 46.5	2.296	3.092	12.9	21.9

185996 2001 PR_{32} 9 17.5 32°.68 4°.4/19.1 18

8 9	0 25.41	+ 0 43.5	1.217	2.027	22.4	19.1
8 19	0 18.66	+ 2 40.5	1.153	2.040	18.3	18.9
8 29	0 8.18	+ 4 28.5	1.107	2.054	13.3	18.7
9 8	23 54.79	+ 6 4.0	1.084	2.069	8.1	18.4
9 18	23 39.93	+ 7 23.3	1.087	2.085	4.5	18.3
9 28	23 25.50	+ 8 25.7	1.117	2.102	6.9	18.5
10 8	23 13.27	+ 9 13.7	1.173	2.120	11.7	18.8
10 18	23 4.39	+ 9 52.1	1.252	2.138	16.0	19.1

45986 2001 BC_{66} 9 17.5 110°.96 3°.5/14.3 18

8 9	0 6.26	− 6 0.2	1.543	2.388	16.8	18.9
8 19	0 2.85	− 7 9.5	1.478	2.396	13.0	18.7
8 29	23 56.91	− 8 31.4	1.434	2.403	8.8	18.5
9 8	23 49.07	− 9 58.0	1.414	2.410	4.7	18.3
9 18	23 40.26	−11 20.0	1.421	2.418	3.9	18.2
9 28	23 31.67	−12 28.4	1.454	2.424	7.6	18.5
10 8	23 24.40	−13 16.5	1.511	2.431	11.7	18.7
10 18	23 19.28	−13 41.5	1.591	2.438	15.3	19.0

186322 2002 CG_{289} 9 17.5 185°.28 6°.4/ 9.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 5.60	−21 20.1	2.455	3.293	11.5	20.7
8 19	0 1.46	−22 33.3	2.390	3.293	9.3	20.6
8 29	23 55.52	−23 44.7	2.349	3.293	7.4	20.5
9 8	23 48.25	−24 47.4	2.334	3.292	6.4	20.4
9 18	23 40.31	−25 35.6	2.346	3.291	7.1	20.5
9 28	23 32.49	−26 4.7	2.385	3.290	8.8	20.6
10 8	23 25.56	−26 12.7	2.449	3.288	10.9	20.7
10 18	23 20.12	−25 59.8	2.534	3.287	13.0	20.9

343446 2010 EC_{30} 9 17.5 245°.63 2°.2/15.2 18

8 9	0 4.84	− 4 9.8	1.999	2.826	14.2	21.9
8 19	0 1.37	− 5 6.1	1.905	2.812	11.1	21.6
8 29	23 55.78	− 6 14.9	1.833	2.798	7.5	21.4
9 8	23 48.53	− 7 31.2	1.787	2.784	3.8	21.1
9 18	23 40.30	− 8 48.1	1.769	2.769	2.5	21.0
9 28	23 32.02	− 9 58.3	1.779	2.754	6.0	21.2
10 8	23 24.63	−10 55.1	1.815	2.738	9.9	21.4
10 18	23 18.92	−11 34.4	1.876	2.722	13.4	21.6

509347 2006 YE_{35} 9 17.5 292°.27 3°.7/14.6 18

8 9	0 6.36	− 7 37.3	1.490	2.341	17.0	21.5
8 19	0 3.39	− 8 20.6	1.402	2.322	13.4	21.2
8 29	23 57.66	− 9 15.6	1.334	2.303	9.2	21.0
9 8	23 49.64	−10 15.8	1.288	2.284	5.1	20.7
9 18	23 40.24	−11 12.7	1.268	2.266	4.1	20.6
9 28	23 30.72	−11 57.5	1.273	2.247	8.1	20.7
10 8	23 22.43	−12 23.2	1.303	2.228	12.7	21.0
10 18	23 16.41	−12 26.7	1.353	2.210	16.9	21.2

66168 1998 VK_{28} 9 17.5 308°.49 4°.2/14.2 18

8 9	0 4.49	− 8 13.4	1.370	2.231	17.6	18.8
8 19	0 2.22	− 8 59.4	1.281	2.207	14.0	18.6
8 29	23 57.04	− 9 57.8	1.212	2.184	9.7	18.2
9 8	23 49.42	−11 1.7	1.165	2.161	5.5	17.9
9 18	23 40.26	−12 1.6	1.141	2.138	4.8	17.8
9 28	23 30.92	−12 47.7	1.143	2.115	8.8	18.0
10 8	23 22.85	−13 12.2	1.167	2.094	13.7	18.2
10 18	23 17.20	−13 11.7	1.211	2.072	18.2	18.4

480841 2000 BY_{18} 9 17.5 185°.01 8°.2/27.1 18

8 9	0 11.62	+25 39.6	2.685	3.316	15.3	21.5
8 19	0 6.34	+26 44.4	2.584	3.316	13.7	21.4
8 29	23 59.05	+27 31.0	2.501	3.315	11.9	21.2
9 8	23 50.13	+27 56.1	2.440	3.314	10.1	21.1
9 18	23 40.23	+27 57.8	2.403	3.313	8.7	21.0
9 28	23 30.20	+27 36.3	2.393	3.311	8.2	21.0
10 8	23 20.93	+26 55.3	2.409	3.308	8.9	21.0
10 18	23 13.19	+26 0.4	2.451	3.304	10.4	21.1

124871 2001 TR_{34} 9 17.5 248°.66 1°.0/16.7 18

8 9	0 9.27	− 3 9.0	1.798	2.621	15.7	20.0
8 19	0 5.07	− 3 20.5	1.709	2.612	12.5	19.8
8 29	23 58.44	− 3 42.9	1.641	2.602	8.6	19.5
9 8	23 49.90	− 4 12.6	1.597	2.593	4.2	19.3
9 18	23 40.26	− 4 44.8	1.579	2.583	1.1	19.0
9 28	23 30.60	− 5 13.6	1.590	2.573	5.4	19.3
10 8	23 22.04	− 5 33.7	1.627	2.563	9.8	19.5
10 18	23 15.44	− 5 41.7	1.688	2.553	13.7	19.8

99778 2002 JC_{115} 9 17.5 134°.58 3°.5/22.7 18

8 9	0 1.69	+14 35.4	2.754	3.483	13.1	20.3
8 19	23 58.17	+14 17.1	2.664	3.492	11.0	20.1
8 29	23 53.17	+13 41.8	2.596	3.501	8.5	20.0
9 8	23 47.07	+12 50.1	2.551	3.510	5.9	19.8
9 18	23 40.41	+11 44.4	2.534	3.518	3.9	19.7
9 28	23 33.82	+10 28.9	2.546	3.526	3.9	19.7
10 8	23 27.93	+ 9 9.0	2.587	3.534	6.0	19.9
10 18	23 23.24	+ 7 50.4	2.656	3.542	8.5	20.1

521726 2015 RH_{269} 9 17.5 82°.03 0°.4/17.9 18

8 9	0 3.85	+ 1 44.8	2.087	2.894	14.3	21.5
8 19	0 0.29	+ 1 21.9	2.010	2.902	11.4	21.3
8 29	23 54.82	+ 0 45.8	1.955	2.910	7.9	21.1
9 8	23 47.96	− 0 0.6	1.925	2.918	4.0	20.9
9 18	23 40.37	− 0 52.9	1.921	2.926	0.4	20.6
9 28	23 32.90	− 1 45.3	1.947	2.934	4.1	21.0
10 8	23 26.36	− 2 32.4	1.999	2.942	7.8	21.2
10 18	23 21.39	− 3 9.7	2.077	2.950	11.1	21.4

455140 2015 VP_{107} 9 17.5 336°.70 4°.9/23.3 18

8 9	0 2.28	+15 15.9	2.270	3.008	15.3	21.0
8 19	23 59.10	+15 27.7	2.177	3.007	13.0	20.8
8 29	23 54.07	+15 20.3	2.103	3.006	10.3	20.7
9 8	23 47.63	+14 53.3	2.052	3.006	7.5	20.5
9 18	23 40.39	+14 7.9	2.026	3.005	5.3	20.4
9 28	23 33.15	+13 8.0	2.027	3.004	5.2	20.4
10 8	23 26.72	+11 59.4	2.056	3.003	7.3	20.5
10 18	23 21.76	+10 48.8	2.111	3.003	10.1	20.7

484920 2009 SL_{52} 9 17.5 317°.71 2°.4/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 6.09	− 8 10.3	2.168	2.998	13.1	20.8
8 19	0 2.05	− 8 28.4	2.083	2.991	10.3	20.6
8 29	23 56.06	− 8 52.3	2.021	2.985	7.0	20.4
9 8	23 48.60	− 9 17.7	1.984	2.979	3.7	20.2
9 18	23 40.34	− 9 40.2	1.974	2.973	2.6	20.1
9 28	23 32.14	− 9 55.3	1.993	2.967	5.5	20.3
10 8	23 24.84	− 9 59.5	2.039	2.962	8.9	20.5
10 18	23 19.13	− 9 51.0	2.109	2.956	12.1	20.7

450290 2004 JR_{20} 9 17.5 79°.65 14°.0/ 3.3 17

8 9	0 3.50	+34 15.8	1.154	1.840	29.7	20.6
8 19	0 2.11	+34 49.2	1.091	1.853	27.1	20.4
8 29	23 57.20	+34 33.6	1.037	1.867	23.9	20.3
9 8	23 49.49	+33 20.2	0.996	1.880	20.3	20.1
9 18	23 40.28	+31 5.4	0.970	1.894	16.8	19.9
9 28	23 31.37	+27 55.4	0.964	1.907	14.4	19.8
10 8	23 24.44	+24 8.4	0.981	1.920	14.3	19.9
10 18	23 20.58	+20 9.2	1.022	1.933	16.5	20.1

172359 2002 XE_{16} 9 17.5 339°.33 2°.5/19.4 18

8 9	0 6.53	+ 4 7.6	1.675	2.483	17.3	19.2
8 19	0 3.09	+ 4 35.3	1.589	2.477	14.1	19.0
8 29	23 57.19	+ 4 48.1	1.522	2.470	10.3	18.7
9 8	23 49.32	+ 4 46.7	1.477	2.464	6.1	18.5
9 18	23 40.31	+ 4 33.4	1.458	2.459	2.6	18.3
9 28	23 31.28	+ 4 12.2	1.466	2.455	4.9	18.4
10 8	23 23.38	+ 3 49.1	1.499	2.450	9.1	18.6
10 18	23 17.50	+ 3 29.6	1.556	2.447	13.1	18.9

495036 2010 VJ_{209} 9 17.5 0°.73 1°.4/16.3 18

8 9	0 6.50	− 4 58.0	1.959	2.786	14.4	21.2
8 19	0 2.55	− 5 7.6	1.879	2.785	11.3	21.0
8 29	23 56.49	− 5 25.4	1.822	2.785	7.7	20.8
9 8	23 48.84	− 5 47.8	1.788	2.785	3.8	20.5
9 18	23 40.35	− 6 10.2	1.782	2.785	1.6	20.4
9 28	23 31.96	− 6 28.0	1.804	2.786	5.1	20.6
10 8	23 24.59	− 6 37.1	1.853	2.787	9.0	20.9
10 18	23 18.97	− 6 34.9	1.926	2.788	12.4	21.1

436521 2011 FA_{121} 9 17.5 272°.18 1°.0/16.8 18

8 9	0 8.92	− 3 0.2	1.627	2.456	16.8	21.5
8 19	0 5.06	− 3 10.2	1.541	2.447	13.3	21.3
8 29	23 58.58	− 3 32.1	1.475	2.438	9.2	21.0
9 8	23 50.03	− 4 2.2	1.432	2.429	4.5	20.7
9 18	23 40.28	− 4 35.3	1.416	2.420	1.1	20.4
9 28	23 30.52	− 5 4.8	1.426	2.411	5.7	20.7
10 8	23 21.96	− 5 25.2	1.462	2.401	10.4	21.0
10 18	23 15.55	− 5 32.3	1.521	2.392	14.6	21.2

356213 2009 RX_{64} 9 17.5 268°.25 0°.6/16.4 18

8 9	23 57.05	− 3 49.9	4.546	5.349	7.2	21.7
8 19	23 53.96	− 4 8.1	4.448	5.342	5.6	21.5
8 29	23 50.01	− 4 30.5	4.375	5.334	3.8	21.4
9 8	23 45.44	− 4 55.5	4.330	5.326	1.8	21.2
9 18	23 40.54	− 5 21.1	4.314	5.318	0.7	21.1
9 28	23 35.65	− 5 45.1	4.329	5.310	2.5	21.3
10 8	23 31.10	− 6 5.6	4.374	5.302	4.4	21.4
10 18	23 27.21	− 6 20.9	4.446	5.294	6.2	21.5

315180 2007 HO_{80} 9 17.5 209°.27 0°.2/17.2 16

8 9	0 3.44	− 0 30.3	2.883	3.681	11.0	22.6
8 19	23 59.49	− 0 56.8	2.787	3.675	8.7	22.4
8 29	23 54.07	− 1 32.4	2.713	3.668	6.0	22.3
9 8	23 47.56	− 2 14.5	2.667	3.661	2.9	22.1
9 18	23 40.44	− 2 59.8	2.649	3.654	0.3	21.8
9 28	23 33.32	− 3 44.3	2.662	3.646	3.5	22.1
10 8	23 26.82	− 4 24.0	2.704	3.638	6.5	22.3
10 18	23 21.46	− 4 55.8	2.772	3.629	9.2	22.4

173592 2001 DQ_{26} 9 17.5 140°.50 1°.1/16.5 18

8 9	0 10.43	− 2 15.1	1.849	2.665	15.6	21.0
8 19	0 5.66	− 2 46.8	1.778	2.676	12.2	20.8
8 29	23 58.62	− 3 30.5	1.727	2.687	8.3	20.6
9 8	23 49.89	− 4 21.8	1.702	2.698	4.0	20.4
9 18	23 40.32	− 5 14.7	1.704	2.708	1.3	20.2
9 28	23 30.95	− 6 2.9	1.735	2.717	5.2	20.5
10 8	23 22.76	− 6 40.8	1.793	2.725	9.3	20.8
10 18	23 16.51	− 7 4.8	1.875	2.733	12.9	21.0

444268 2005 UQ_{299} 9 17.5 266°.73 5°.1/12.0 18

8 9	0 6.24	−15 51.3	2.218	3.058	12.5	21.4
8 19	0 2.17	−16 40.5	2.141	3.051	9.9	21.2
8 29	23 56.15	−17 31.1	2.087	3.045	7.2	21.0
9 8	23 48.65	−18 17.2	2.058	3.039	5.3	20.9
9 18	23 40.39	−18 52.9	2.057	3.032	5.6	20.9
9 28	23 32.21	−19 13.1	2.083	3.025	7.8	21.1
10 8	23 24.96	−19 15.2	2.135	3.019	10.5	21.2
10 18	23 19.32	−18 58.7	2.210	3.012	13.1	21.4

500870 2013 JQ_{48} 9 17.5 50°.10 6°.1/13.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 10.41	−11 29.1	1.067	1.940	20.7	21.0
8 19	0 6.86	−12 27.2	1.028	1.959	16.1	20.8
8 29	23 59.94	−13 31.8	1.007	1.978	11.2	20.6
9 8	23 50.62	−14 31.9	1.006	1.999	7.0	20.4
9 18	23 40.29	−15 16.8	1.028	2.019	6.6	20.5
9 28	23 30.63	−15 38.1	1.074	2.040	10.2	20.8
10 8	23 23.05	−15 32.9	1.141	2.062	14.5	21.1
10 18	23 18.38	−15 2.6	1.228	2.083	18.4	21.4

325897 2010 UX_{30} 9 17.5 218°.35 2°.9/21.7 18

8 9	0 2.92	+11 41.7	3.042	3.779	11.8	22.6
8 19	23 59.09	+11 35.0	2.933	3.770	9.8	22.5
8 29	23 53.81	+11 14.5	2.846	3.760	7.5	22.3
9 8	23 47.45	+10 40.6	2.783	3.749	5.1	22.1
9 18	23 40.46	+ 9 54.9	2.749	3.738	3.2	22.0
9 28	23 33.43	+ 9 0.7	2.744	3.727	3.5	22.0
10 8	23 26.96	+ 8 2.3	2.769	3.715	5.8	22.1
10 18	23 21.57	+ 7 4.0	2.822	3.702	8.3	22.3

261391 2005 UH_{404} 9 17.5 99°.05 0°.8/16.8 17

8 9	0 7.77	− 0 33.7	1.720	2.541	16.4	21.0
8 19	0 3.66	− 1 14.5	1.658	2.559	12.8	20.8
8 29	23 57.27	− 2 9.7	1.615	2.577	8.7	20.6
9 8	23 49.21	− 3 14.2	1.598	2.594	4.2	20.4
9 18	23 40.37	− 4 21.5	1.607	2.611	1.0	20.2
9 28	23 31.79	− 5 24.0	1.644	2.628	5.2	20.5
10 8	23 24.46	− 6 15.2	1.707	2.644	9.4	20.8
10 18	23 19.09	− 6 51.2	1.795	2.660	13.0	21.1

366130 2012 DR_{63} 9 17.5 10°.89 1°.7/15.7 18

8 9	0 0.54	− 2 49.8	1.905	2.740	14.5	20.6
8 19	23 57.95	− 3 41.9	1.830	2.741	11.3	20.4
8 29	23 53.37	− 4 46.6	1.777	2.743	7.6	20.2
9 8	23 47.31	− 5 58.7	1.748	2.746	3.7	20.0
9 18	23 40.47	− 7 11.6	1.746	2.748	1.9	19.8
9 28	23 33.72	− 8 18.2	1.772	2.752	5.5	20.1
10 8	23 27.93	− 9 12.2	1.824	2.755	9.3	20.3
10 18	23 23.76	− 9 49.7	1.900	2.759	12.6	20.5

195607 2002 KS_{10} 9 17.5 135°.41 2°.1/19.7 18

8 9	0 5.03	+ 6 59.3	1.993	2.779	15.6	21.0
8 19	0 1.38	+ 6 41.7	1.911	2.786	12.7	20.8
8 29	23 55.68	+ 6 6.5	1.850	2.792	9.2	20.6
9 8	23 48.46	+ 5 15.5	1.813	2.798	5.4	20.4
9 18	23 40.41	+ 4 12.8	1.803	2.804	2.2	20.2
9 28	23 32.46	+ 3 4.4	1.820	2.809	4.1	20.3
10 8	23 25.49	+ 1 57.3	1.866	2.814	7.8	20.6
10 18	23 20.20	+ 0 57.7	1.937	2.819	11.4	20.8

204401 2004 TS_{329} 9 17.5 327°.10 0°.6/17.1 17

8 9	0 8.12	− 1 19.7	1.269	2.113	19.8	20.9
8 19	0 5.05	− 1 32.7	1.196	2.111	15.7	20.7
8 29	23 58.90	− 2 2.5	1.142	2.108	10.9	20.4
9 8	23 50.30	− 2 44.8	1.108	2.105	5.4	20.1
9 18	23 40.31	− 3 32.8	1.099	2.103	0.8	19.8
9 28	23 30.42	− 4 17.9	1.114	2.101	6.4	20.1
10 8	23 22.07	− 4 51.9	1.153	2.099	11.8	20.4
10 18	23 16.35	− 5 9.5	1.213	2.098	16.5	20.7

329021 2011 AL_{9} 9 17.5 323°.28 3°.8/21.7 17

8 9	0 3.81	+11 1.7	2.336	3.093	14.4	21.5
8 19	0 0.23	+11 20.2	2.242	3.091	12.0	21.3
8 29	23 54.83	+11 23.1	2.169	3.088	9.3	21.1
9 8	23 48.03	+11 10.3	2.119	3.086	6.3	21.0
9 18	23 40.44	+10 43.1	2.095	3.084	4.1	20.8
9 28	23 32.84	+10 4.8	2.099	3.081	4.5	20.8
10 8	23 26.02	+ 9 20.4	2.131	3.079	7.1	21.0
10 18	23 20.64	+ 8 35.3	2.189	3.077	10.0	21.2

431729 2008 FP_{48} 9 17.5 153°.13 0°.8/16.8 17

8 9	0 8.95	− 1 17.1	1.785	2.602	16.0	22.5
8 19	0 4.67	− 1 46.2	1.709	2.609	12.6	22.3
8 29	23 58.05	− 2 28.8	1.654	2.614	8.6	22.1
9 8	23 49.67	− 3 20.4	1.623	2.619	4.2	21.8
9 18	23 40.36	− 4 15.3	1.620	2.624	0.9	21.6
9 28	23 31.19	− 5 6.7	1.644	2.628	5.2	21.9
10 8	23 23.20	− 5 48.5	1.696	2.632	9.5	22.2
10 18	23 17.16	− 6 16.5	1.771	2.635	13.2	22.4

175115 2004 RH_{157} 9 17.5 109°.65 2°.5/21.4 18

8 9	0 0.35	+10 8.0	3.369	4.114	10.6	20.1
8 19	23 56.84	+10 7.0	3.279	4.122	8.7	19.9
8 29	23 52.13	+ 9 54.7	3.211	4.130	6.6	19.8
9 8	23 46.56	+ 9 31.7	3.169	4.138	4.4	19.7
9 18	23 40.53	+ 8 59.9	3.154	4.145	2.6	19.6
9 28	23 34.54	+ 8 21.7	3.169	4.153	3.0	19.6
10 8	23 29.08	+ 7 40.7	3.214	4.160	5.0	19.8
10 18	23 24.58	+ 7 0.2	3.286	4.168	7.2	19.9

230370 2002 FQ_{1} 9 17.5 62°.20 9°.7/ 8.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 8.93	−23 16.2	1.541	2.398	16.2	19.5
8 19	0 4.87	−25 1.5	1.510	2.421	13.2	19.4
8 29	23 58.17	−26 39.8	1.502	2.445	10.8	19.3
9 8	23 49.64	−27 59.9	1.516	2.468	9.7	19.3
9 18	23 40.37	−28 53.1	1.555	2.492	10.6	19.4
9 28	23 31.62	−29 14.3	1.617	2.516	12.6	19.6
10 8	23 24.49	−29 3.7	1.700	2.539	15.0	19.8
10 18	23 19.65	−28 24.9	1.802	2.563	17.2	20.0

360531 2003 SD_{79} 9 17.5 59°.42 0°.3/17.3 18

8 9	0 18.68	− 4 58.2	2.136	2.932	14.4	19.8
8 19	0 11.64	− 4 23.0	2.064	2.950	11.4	19.6
8 29	0 2.44	− 3 52.9	2.015	2.969	7.8	19.4
9 8	23 51.70	− 3 26.0	1.993	2.988	3.8	19.2
9 18	23 40.27	− 3 0.5	2.002	3.006	0.4	19.0
9 28	23 29.15	− 2 34.3	2.041	3.025	4.3	19.3
10 8	23 19.27	− 2 5.3	2.110	3.044	8.0	19.6
10 18	23 11.33	− 1 32.4	2.206	3.063	11.2	19.8

169483 2002 CL_{146} 9 17.5 291°.10 1°.5/18.6 18

8 9	0 6.01	+ 3 10.1	1.368	2.196	19.4	20.1
8 19	0 3.45	+ 3 9.9	1.276	2.178	15.8	19.8
8 29	23 57.93	+ 2 49.8	1.203	2.161	11.4	19.5
9 8	23 49.93	+ 2 11.3	1.150	2.143	6.2	19.1
9 18	23 40.34	+ 1 18.8	1.121	2.125	1.5	18.8
9 28	23 30.54	+ 0 20.1	1.117	2.107	5.7	19.0
10 8	23 21.99	− 0 35.4	1.138	2.090	11.2	19.3
10 18	23 15.88	− 1 19.4	1.180	2.073	16.2	19.5

298119 2002 RS_{206} 9 17.5 351°.77 1°.2/18.8 18

8 9	23 59.45	+ 5 38.3	1.594	2.413	17.5	20.7
8 19	23 57.58	+ 5 1.2	1.513	2.410	14.1	20.5
8 29	23 53.41	+ 4 1.8	1.451	2.406	10.1	20.3
9 8	23 47.45	+ 2 43.2	1.412	2.404	5.5	20.0
9 18	23 40.49	+ 1 11.8	1.398	2.402	1.3	19.7
9 28	23 33.56	− 0 23.4	1.410	2.400	4.8	20.0
10 8	23 27.73	− 1 52.4	1.448	2.400	9.4	20.2
10 18	23 23.80	− 3 7.4	1.510	2.399	13.5	20.5

364574 2007 RL_{27} 9 17.5 1°.40 1°.1/18.3 17

8 9	23 57.18	+ 4 0.5	0.958	1.825	22.9	20.3
8 19	23 57.10	+ 3 38.9	0.897	1.822	18.5	20.0
8 29	23 53.78	+ 2 47.9	0.851	1.821	13.1	19.7
9 8	23 47.86	+ 1 31.7	0.824	1.821	6.9	19.4
9 18	23 40.47	− 0 0.5	0.818	1.822	1.1	19.0
9 28	23 33.23	− 1 35.1	0.833	1.825	6.5	19.4
10 8	23 27.70	− 2 57.8	0.869	1.830	12.6	19.8
10 18	23 24.95	− 3 58.6	0.925	1.835	17.9	20.1

131063 2000 YP_{69} 9 17.5 252°.47 2°.6/14.9 18

8 9	0 5.68	− 5 47.4	1.923	2.755	14.5	20.3
8 19	0 2.12	− 6 34.7	1.833	2.743	11.3	20.1
8 29	23 56.37	− 7 32.7	1.765	2.731	7.7	19.9
9 8	23 48.89	− 8 36.1	1.722	2.718	4.0	19.6
9 18	23 40.42	− 9 38.6	1.707	2.706	2.9	19.5
9 28	23 31.92	−10 32.8	1.719	2.693	6.3	19.7
10 8	23 24.38	−11 13.1	1.757	2.679	10.2	19.9
10 18	23 18.60	−11 35.9	1.819	2.666	13.7	20.1

37411 2001 XH_{152} 9 17.5 239°.69 0°.2/17.7 18

8 9	0 3.49	+ 1 6.6	2.236	3.042	13.5	20.1
8 19	0 0.01	+ 0 41.5	2.145	3.037	10.8	19.9
8 29	23 54.69	+ 0 3.8	2.076	3.032	7.5	19.7
9 8	23 47.97	− 0 43.6	2.032	3.027	3.8	19.5
9 18	23 40.48	− 1 36.7	2.016	3.021	0.2	19.2
9 28	23 32.99	− 2 29.9	2.029	3.016	4.0	19.5
10 8	23 26.32	− 3 18.0	2.069	3.010	7.7	19.7
10 18	23 21.11	− 3 56.5	2.135	3.004	11.0	19.9

506942 2008 GF_{130} 9 17.5 118°.74 5°.8/12.5 17

8 9	0 12.93	−15 15.4	1.782	2.621	15.1	22.4
8 19	0 7.65	−16 13.8	1.727	2.637	11.9	22.2
8 29	23 59.96	−17 13.7	1.694	2.653	8.6	22.1
9 8	23 50.54	−18 7.1	1.687	2.668	6.1	21.9
9 18	23 40.36	−18 46.9	1.706	2.683	6.3	22.0
9 28	23 30.54	−19 7.3	1.752	2.697	8.8	22.2
10 8	23 22.11	−19 6.2	1.823	2.710	11.8	22.4
10 18	23 15.80	−18 44.3	1.916	2.723	14.7	22.6

483918 2006 BA_{46} 9 17.5 216°.66 0°.4/18.1 17

8 9	0 3.24	+ 1 41.0	2.823	3.613	11.4	23.0
8 19	23 59.39	+ 1 22.4	2.725	3.607	9.1	22.9
8 29	23 54.05	+ 0 53.6	2.650	3.600	6.3	22.7
9 8	23 47.59	+ 0 16.8	2.601	3.593	3.3	22.5
9 18	23 40.51	− 0 24.9	2.581	3.585	0.4	22.2
9 28	23 33.42	− 1 7.7	2.591	3.578	3.3	22.5
10 8	23 26.95	− 1 47.6	2.630	3.570	6.3	22.6
10 18	23 21.64	− 2 21.1	2.695	3.561	9.1	22.8

137486 1999 UY_{35} 9 17.5 56°35 2°1/19.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 2.86	+ 8 3.7	1.352	2.168	20.2	20.0
8 19	0 0.57	+ 7 25.1	1.285	2.178	16.4	19.8
8 29	23 55.59	+ 6 19.2	1.236	2.188	11.8	19.6
9 8	23 48.56	+ 4 49.4	1.209	2.198	6.7	19.3
9 18	23 40.46	+ 3 3.3	1.205	2.208	2.3	19.1
9 28	23 32.56	+ 1 12.2	1.227	2.218	5.2	19.3
10 8	23 26.07	− 0 31.7	1.275	2.229	10.1	19.6
10 18	23 21.85	− 1 59.0	1.346	2.240	14.5	19.9

389004 2008 UT_{161} 9 17.5 256°91 1°8/19.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.65	+ 4 58.3	1.882	2.680	16.0	22.2
8 19	0 2.20	+ 4 50.8	1.786	2.669	13.0	22.0
8 29	23 56.49	+ 4 26.5	1.710	2.658	9.4	21.7
9 8	23 49.00	+ 3 46.9	1.658	2.646	5.4	21.5
9 18	23 40.44	+ 2 55.7	1.632	2.635	1.8	21.2
9 28	23 31.81	+ 1 58.5	1.633	2.623	4.4	21.3
10 8	23 24.13	+ 1 2.3	1.662	2.611	8.6	21.6
10 18	23 18.23	+ 0 13.5	1.715	2.598	12.6	21.8

382603 2002 GA_{68} 9 17.5 165°46 0°3/17.2 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.88	+ 0 31.9	2.254	3.056	13.6	22.1
8 19	0 1.78	− 0 7.5	2.171	3.061	10.7	21.9
8 29	23 55.84	− 0 59.7	2.110	3.066	7.3	21.7
9 8	23 48.52	− 2 0.9	2.075	3.070	3.6	21.5
9 18	23 40.48	− 3 6.3	2.068	3.073	0.4	21.2
9 28	23 32.51	− 4 9.9	2.091	3.076	4.2	21.5
10 8	23 25.42	− 5 6.2	2.143	3.078	7.8	21.8
10 18	23 19.83	− 5 50.9	2.220	3.080	11.1	22.0

355293 2007 RH_{160} 9 17.5 313°59 0°1/17.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 59.59	+ 2 15.9	1.556	2.389	17.2	21.5
8 19	23 58.06	+ 1 36.8	1.450	2.358	13.9	21.2
8 29	23 54.07	+ 0 35.7	1.363	2.326	9.8	20.8
9 8	23 47.97	− 0 44.6	1.298	2.295	5.0	20.5
9 18	23 40.49	− 2 17.9	1.259	2.264	0.3	20.0
9 28	23 32.72	− 3 54.4	1.245	2.233	5.7	20.4
10 8	23 25.89	− 5 23.4	1.256	2.203	11.0	20.6
10 18	23 21.06	− 6 35.7	1.290	2.174	15.8	20.8

408048 2012 FW_{71} 9 17.5 206°06 2°5/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.31	− 8 36.0	2.773	3.597	10.7	21.7
8 19	23 59.45	− 9 20.5	2.687	3.593	8.3	21.5
8 29	23 54.09	−10 10.3	2.625	3.588	5.7	21.3
9 8	23 47.61	−11 1.4	2.591	3.584	3.2	21.2
9 18	23 40.53	−11 49.4	2.585	3.579	2.8	21.1
9 28	23 33.48	−12 29.9	2.608	3.573	5.1	21.3
10 8	23 27.10	−12 59.5	2.660	3.568	7.8	21.4
10 18	23 21.92	−13 16.1	2.736	3.562	10.3	21.6

24440 2000 FB_1 9 17.5 35°57 1°5/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 17.23	− 8 14.7	1.862	2.678	15.5	16.9
8 19	0 10.87	− 7 43.4	1.792	2.691	12.2	16.7
8 29	0 2.10	− 7 15.4	1.745	2.705	8.3	16.5
9 8	23 51.61	− 6 48.1	1.724	2.719	4.1	16.3
9 18	23 40.33	− 6 18.7	1.731	2.734	1.6	16.2
9 28	23 29.39	− 5 45.1	1.768	2.749	5.2	16.5
10 8	23 19.84	− 5 5.6	1.833	2.765	9.2	16.7
10 18	23 12.41	− 4 19.7	1.923	2.781	12.6	17.0

378163 2006 WC_8 9 17.5 291°15 12°7/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.04	+30 46.8	1.667	2.330	22.5	21.0
8 19	0 0.35	+31 40.2	1.557	2.304	20.8	20.8
8 29	23 55.88	+32 2.0	1.459	2.278	18.6	20.6
9 8	23 48.99	+31 44.5	1.376	2.252	16.3	20.3
9 18	23 40.44	+30 41.6	1.312	2.226	14.1	20.1
9 28	23 31.49	+28 52.2	1.269	2.199	12.8	20.0
10 8	23 23.59	+26 23.2	1.249	2.173	13.3	19.9
10 18	23 17.98	+23 27.6	1.252	2.147	15.4	20.0

296577 Arkhangelsk 9 17.5 0°80 7°5/23.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.60	+14 50.0	1.791	2.541	18.4	19.8
8 19	0 3.94	+16 10.9	1.706	2.539	15.9	19.6
8 29	23 57.82	+17 13.7	1.639	2.539	12.9	19.5
9 8	23 49.72	+17 55.1	1.594	2.538	10.0	19.3
9 18	23 40.43	+18 13.2	1.572	2.539	7.8	19.2
9 28	23 31.07	+18 9.2	1.576	2.541	7.7	19.2
10 8	23 22.78	+17 47.9	1.605	2.543	9.7	19.3
10 18	23 16.49	+17 15.9	1.657	2.547	12.6	19.5

431261 2006 UH_{37} 9 17.5 262°75 2°0/15.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 9.17	− 4 48.9	1.665	2.497	16.3	22.1
8 19	0 5.33	− 5 14.9	1.572	2.481	12.9	21.8
8 29	23 58.87	− 5 52.5	1.500	2.464	8.9	21.5
9 8	23 50.28	− 6 37.2	1.451	2.448	4.5	21.2
9 18	23 40.40	− 7 22.6	1.429	2.431	2.3	21.1
9 28	23 30.42	− 8 1.5	1.434	2.414	6.4	21.3
10 8	23 21.55	− 8 27.6	1.464	2.396	11.0	21.5
10 18	23 14.81	− 8 37.1	1.518	2.378	15.2	21.7

259382 2003 HA_{55} 9 17.5 147°70 4°3/13.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 9.72	−14 33.1	2.241	3.072	12.7	21.1
8 19	0 4.77	−15 2.8	2.168	3.074	10.0	21.0
8 29	23 57.86	−15 33.6	2.118	3.077	7.1	20.8
9 8	23 49.51	−16 0.4	2.094	3.079	4.8	20.7
9 18	23 40.46	−16 18.3	2.098	3.081	4.7	20.7
9 28	23 31.57	−16 23.0	2.130	3.083	6.9	20.8
10 8	23 23.69	−16 12.4	2.189	3.085	9.8	21.0
10 18	23 17.47	−15 46.5	2.272	3.087	12.4	21.2

372825 2010 UG_{41} 9 17.5 46°03 2°4/19.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.44	+ 5 0.9	1.134	1.968	22.2	20.0
8 19	0 4.49	+ 5 6.1	1.083	1.986	17.9	19.8
8 29	23 58.39	+ 4 47.5	1.048	2.005	12.8	19.6
9 8	23 49.96	+ 4 7.7	1.033	2.024	7.2	19.3
9 18	23 40.43	+ 3 13.0	1.041	2.044	2.5	19.1
9 28	23 31.34	+ 2 12.7	1.074	2.065	5.7	19.4
10 8	23 24.05	+ 1 16.8	1.129	2.086	10.8	19.7
10 18	23 19.47	+ 0 33.1	1.207	2.107	15.4	20.1

195471 2002 GV_{119} 9 17.5 60°81 8°1/11.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 13.62	−21 35.4	1.634	2.479	16.0	19.8
8 19	0 8.50	−22 25.2	1.581	2.489	12.9	19.6
8 29	0 0.69	−23 10.5	1.550	2.499	10.1	19.5
9 8	23 50.97	−23 42.4	1.542	2.509	8.2	19.4
9 18	23 40.39	−23 53.7	1.559	2.519	8.6	19.5
9 28	23 30.26	−23 39.9	1.601	2.529	10.8	19.6
10 8	23 21.73	−23 0.8	1.667	2.539	13.6	19.8
10 18	23 15.56	−21 59.4	1.755	2.550	16.3	20.0

218806 2006 DE_1 9 17.5 237°60 3°7/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.04	+11 17.1	2.504	3.254	13.7	20.8
8 19	0 0.30	+11 32.2	2.407	3.250	11.5	20.7
8 29	23 54.84	+11 32.4	2.330	3.247	8.8	20.5
9 8	23 48.06	+11 17.5	2.278	3.243	6.1	20.3
9 18	23 40.53	+10 49.1	2.252	3.240	3.9	20.2
9 28	23 32.98	+10 10.1	2.255	3.236	4.3	20.2
10 8	23 26.16	+ 9 25.2	2.285	3.232	6.7	20.3
10 18	23 20.67	+ 8 39.4	2.343	3.228	9.5	20.5

355115 2006 UP_{84} 9 17.5 299°29 1°3/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.44	− 3 21.8	1.988	2.814	14.3	21.1
8 19	0 1.00	− 3 49.6	1.903	2.808	11.2	20.9
8 29	23 55.51	− 4 28.0	1.839	2.803	7.6	20.7
9 8	23 48.45	− 5 13.1	1.801	2.797	3.7	20.5
9 18	23 40.52	− 5 59.8	1.789	2.792	1.5	20.3
9 28	23 32.62	− 6 42.0	1.805	2.787	5.1	20.5
10 8	23 25.66	− 7 14.7	1.848	2.782	9.0	20.8
10 18	23 20.36	− 7 34.3	1.916	2.777	12.5	21.0

17403 Masciarelli 9 17.5 287°63 0°5/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.47	− 1 43.4	1.692	2.518	16.4	17.1
8 19	0 3.83	− 1 52.6	1.606	2.510	13.0	16.9
8 29	23 57.71	− 2 14.4	1.539	2.501	9.0	16.6
9 8	23 49.65	− 2 45.4	1.497	2.493	4.5	16.4
9 18	23 40.45	− 3 20.8	1.480	2.485	0.6	16.0
9 28	23 31.25	− 3 54.4	1.490	2.476	5.3	16.4
10 8	23 23.18	− 4 20.3	1.526	2.468	9.9	16.6
10 18	23 17.12	− 4 34.3	1.586	2.460	13.9	16.9

437412 2013 WU_{96} 9 17.5 280°01 1°6/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.20	− 3 39.7	1.585	2.421	16.8	21.9
8 19	0 3.78	− 4 5.6	1.503	2.414	13.3	21.7
8 29	23 57.76	− 4 44.3	1.441	2.407	9.1	21.4
9 8	23 49.69	− 5 31.1	1.402	2.399	4.5	21.1
9 18	23 40.46	− 6 19.7	1.388	2.392	1.9	20.9
9 28	23 31.24	− 7 2.4	1.402	2.384	6.2	21.2
10 8	23 23.24	− 7 32.9	1.440	2.377	10.8	21.5
10 18	23 17.38	− 7 47.2	1.502	2.369	14.9	21.7

229851 2009 SQ_{267} 9 17.5 297°78 3°6/25.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 55.85	+20 27.4	4.530	5.198	9.0	20.0
8 19	23 53.15	+20 22.0	4.422	5.195	7.8	19.9
8 29	23 49.54	+20 4.7	4.334	5.191	6.5	19.8
9 8	23 45.29	+19 35.5	4.270	5.188	5.1	19.7
9 18	23 40.69	+18 55.3	4.233	5.185	3.9	19.6
9 28	23 36.09	+18 5.9	4.224	5.181	3.6	19.5
10 8	23 31.86	+17 9.8	4.245	5.178	4.4	19.6
10 18	23 28.31	+16 10.2	4.294	5.175	5.7	19.7

58623 1997 VZ_1 9 17.5 333°33 4°9/21.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.70	+10 43.4	1.406	2.209	20.2	17.8
8 19	23 59.88	+11 4.2	1.321	2.199	17.0	17.5
8 29	23 55.35	+11 0.4	1.252	2.189	13.1	17.3
9 8	23 48.60	+10 30.9	1.204	2.180	8.8	17.0
9 18	23 40.51	+ 9 37.8	1.178	2.172	5.3	16.8
9 28	23 32.34	+ 8 27.3	1.177	2.165	6.1	16.8
10 8	23 25.39	+ 7 9.3	1.199	2.158	10.1	17.0
10 18	23 20.70	+ 5 54.2	1.245	2.152	14.5	17.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
204514 2005 EF_{17}			9 17.5 201.°79		0.°2/17.3 18	R
	h m	° ′			°	m
8 9	0 5.79	− 0 22.9	1.976	2.790	14.8	20.9
8 19	0 2.05	− 0 44.5	1.892	2.789	11.7	20.7
8 29	23 56.22	− 1 18.6	1.829	2.788	8.1	20.5
9 8	23 48.80	− 2 2.1	1.791	2.787	4.0	20.3
9 18	23 40.51	− 2 50.1	1.781	2.785	0.4	20.0
9 28	23 32.28	− 3 36.8	1.798	2.784	4.6	20.3
10 8	23 25.01	− 4 16.6	1.842	2.782	8.6	20.5
10 18	23 19.45	− 4 45.3	1.912	2.780	12.2	20.8
509538 2008 AN_{7}			9 17.5 141.°59		5.°6/23.9 18	
8 9	0 7.14	+16 35.6	2.363	3.080	15.3	21.6
8 19	0 2.85	+17 9.4	2.274	3.086	13.1	21.4
8 29	23 56.65	+17 25.4	2.204	3.092	10.6	21.2
9 8	23 48.98	+17 22.3	2.157	3.097	8.0	21.1
9 18	23 40.51	+17 0.3	2.135	3.103	6.0	21.0
9 28	23 32.04	+16 22.1	2.141	3.108	5.8	21.0
10 8	23 24.42	+15 32.7	2.174	3.113	7.6	21.1
10 18	23 18.34	+14 38.0	2.234	3.117	10.0	21.3
315916 2008 RO_{124}			9 17.5 325.°94		0.°0/17.6 17	
8 9	23 56.14	+ 0 12.7	3.973	4.769	8.3	20.9
8 19	23 53.44	− 0 13.0	3.876	4.763	6.5	20.7
8 29	23 49.78	− 0 45.5	3.802	4.756	4.5	20.6
9 8	23 45.42	− 1 23.0	3.756	4.750	2.2	20.4
9 18	23 40.68	− 2 3.1	3.739	4.744	0.1	20.2
9 28	23 35.96	− 2 43.1	3.752	4.738	2.4	20.4
10 8	23 31.62	− 3 20.3	3.794	4.732	4.7	20.6
10 18	23 28.02	− 3 52.3	3.864	4.726	6.7	20.7
219134 1998 VG_{41}			9 17.5 255.°67		0.°7/16.7 18	
8 9	0 2.98	− 2 4.2	2.615	3.424	11.7	21.1
8 19	23 59.38	− 2 33.0	2.515	3.411	9.2	20.9
8 29	23 54.16	− 3 11.1	2.438	3.397	6.3	20.7
9 8	23 47.72	− 3 55.6	2.387	3.383	3.1	20.4
9 18	23 40.57	− 4 42.6	2.365	3.369	0.9	20.2
9 28	23 33.39	− 5 27.6	2.372	3.355	4.0	20.5
10 8	23 26.85	− 6 6.2	2.408	3.340	7.3	20.7
10 18	23 21.56	− 6 35.2	2.469	3.325	10.2	20.8
28417 Leewei			9 17.5 157.°40		3.°6/21.2 18	R
8 9	0 8.31	+10 44.8	1.933	2.697	16.8	18.8
8 19	0 4.10	+10 43.1	1.849	2.704	13.9	18.6
8 29	23 57.67	+10 21.2	1.784	2.710	10.5	18.4
9 8	23 49.54	+ 9 39.9	1.742	2.716	6.8	18.2
9 18	23 40.48	+ 8 41.9	1.727	2.721	3.9	18.0
9 28	23 31.50	+ 7 33.0	1.740	2.725	4.7	18.1
10 8	23 23.58	+ 6 20.5	1.780	2.729	8.1	18.3
10 18	23 17.49	+ 5 11.8	1.846	2.732	11.6	18.5
195604 2002 KX_{2}			9 17.5 157.°78		3.°1/14.7 18	
8 9	0 7.91	− 8 12.2	1.875	2.710	14.7	20.3
8 19	0 3.78	− 8 51.0	1.801	2.712	11.5	20.0
8 29	23 57.42	− 9 37.2	1.748	2.714	7.8	19.8
9 8	23 49.39	−10 25.4	1.721	2.716	4.3	19.6
9 18	23 40.49	−11 9.2	1.721	2.717	3.4	19.6
9 28	23 31.73	−11 42.6	1.748	2.719	6.5	19.8
10 8	23 24.07	−12 1.1	1.801	2.720	10.2	20.0
10 18	23 18.28	−12 2.9	1.878	2.721	13.5	20.2
258690 2002 FA_{33}			9 17.5 85.°79		1.°8/19.9 18	
8 9	0 3.07	+ 7 31.0	2.365	3.140	13.8	20.7
8 19	23 59.42	+ 7 4.6	2.293	3.161	11.1	20.6
8 29	23 54.12	+ 6 22.8	2.243	3.181	8.0	20.4
9 8	23 47.63	+ 5 27.9	2.217	3.201	4.7	20.3
9 18	23 40.59	+ 4 23.7	2.220	3.221	2.0	20.1
9 28	23 33.69	+ 3 15.5	2.251	3.240	3.5	20.2
10 8	23 27.64	+ 2 9.0	2.312	3.259	6.6	20.5
10 18	23 22.97	+ 1 9.3	2.398	3.278	9.6	20.7
59004 1998 SO_{43}			9 17.5 34.°39		0.°4/17.9 18	
8 9	0 2.82	+ 1 22.4	1.854	2.673	15.4	18.8
8 19	23 59.72	+ 1 3.5	1.786	2.684	12.2	18.6
8 29	23 54.59	+ 0 30.5	1.738	2.696	8.5	18.4
9 8	23 47.95	− 0 13.2	1.715	2.709	4.3	18.2
9 18	23 40.57	− 1 2.7	1.717	2.722	0.4	17.9
9 28	23 33.36	− 1 52.1	1.747	2.736	4.3	18.3
10 8	23 27.19	− 2 35.3	1.804	2.750	8.3	18.6
10 18	23 22.73	− 3 8.1	1.885	2.764	11.8	18.8
117826 2005 JV_{31}			9 17.5 157.°39		4.°0/22.5 18	
8 9	0 4.60	+13 53.7	2.387	3.124	14.6	20.7
8 19	0 0.78	+13 48.5	2.297	3.130	12.3	20.5
8 29	23 55.17	+13 24.8	2.227	3.136	9.5	20.3
9 8	23 48.22	+12 42.9	2.180	3.141	6.6	20.2
9 18	23 40.55	+11 44.9	2.160	3.145	4.3	20.0
9 28	23 32.93	+10 35.2	2.168	3.149	4.5	20.1
10 8	23 26.12	+ 9 20.0	2.205	3.153	6.9	20.2
10 18	23 20.75	+ 8 5.5	2.269	3.156	9.7	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
311918 2007 BJ_{30}			9 17.5 199.°88		2.°9/20.7 18	
	h m	° ′			°	m
8 9	0 5.76	+ 8 10.2	2.392	3.158	13.9	21.1
8 19	0 1.70	+ 8 23.4	2.299	3.157	11.4	20.9
8 29	23 55.83	+ 8 22.7	2.226	3.156	8.5	20.7
9 8	23 48.57	+ 8 8.5	2.178	3.154	5.5	20.5
9 18	23 40.54	+ 7 42.7	2.157	3.152	3.1	20.4
9 28	23 32.51	+ 7 8.6	2.165	3.150	4.0	20.4
10 8	23 25.27	+ 6 31.0	2.201	3.148	6.9	20.6
10 18	23 19.45	+ 5 54.5	2.263	3.146	9.9	20.8
485350 2011 CZ_{41}			9 17.5 264.°91		4.°1/12.0 18	
8 9	0 1.61	−12 20.1	2.439	3.279	11.5	21.7
8 19	23 58.42	−13 30.0	2.360	3.274	9.0	21.5
8 29	23 53.54	−14 44.7	2.305	3.268	6.4	21.4
9 8	23 47.41	−15 58.3	2.276	3.262	4.4	21.2
9 18	23 40.60	−17 4.7	2.276	3.256	4.6	21.3
9 28	23 33.83	−17 58.4	2.303	3.250	6.9	21.4
10 8	23 27.80	−18 35.4	2.357	3.244	9.5	21.5
10 18	23 23.12	−18 54.1	2.434	3.238	12.0	21.7
218189 2002 TC_{68}			9 17.5 7.°98		9.°1/19.2 18	
8 9	0 28.24	+ 2 29.0	0.989	1.809	25.8	18.5
8 19	0 22.26	+ 5 48.4	0.922	1.810	21.7	18.3
8 29	0 11.66	+ 9 5.9	0.872	1.813	16.8	18.0
9 8	23 57.09	+12 10.6	0.843	1.818	11.9	17.7
9 18	23 40.13	+14 49.2	0.839	1.825	9.1	17.6
9 28	23 23.22	+16 52.0	0.860	1.834	10.8	17.8
10 8	23 8.84	+18 18.6	0.905	1.845	15.1	18.0
10 18	22 58.65	+19 16.4	0.970	1.858	19.4	18.4
16481 Thames			9 17.5 275.°51		0.°6/16.9 18	
8 9	0 3.43	− 0 48.6	2.197	3.011	13.5	18.2
8 19	0 0.13	− 1 19.7	2.095	2.993	10.7	18.0
8 29	23 54.91	− 2 3.2	2.015	2.975	7.4	17.7
9 8	23 48.19	− 2 55.9	1.961	2.957	3.6	17.5
9 18	23 40.57	− 3 53.0	1.934	2.939	0.7	17.2
9 28	23 32.87	− 4 48.9	1.936	2.920	4.5	17.5
10 8	23 25.93	− 5 37.8	1.965	2.901	8.4	17.7
10 18	23 20.46	− 6 15.2	2.019	2.883	11.8	17.8
367475 2009 DS_{120}			9 17.5 74.°49		0.°3/17.3 17	
8 9	0 7.85	+ 2 8.1	1.333	2.163	19.7	20.8
8 19	0 4.30	+ 1 17.4	1.281	2.186	15.5	20.6
8 29	23 58.00	+ 0 6.0	1.248	2.210	10.6	20.4
9 8	23 49.70	− 1 19.8	1.237	2.233	5.2	20.1
9 18	23 40.51	− 2 50.8	1.251	2.256	0.5	19.9
9 28	23 31.74	− 4 16.5	1.292	2.279	5.8	20.3
10 8	23 24.56	− 5 27.7	1.358	2.302	10.7	20.6
10 18	23 19.77	− 6 19.0	1.447	2.324	14.8	21.0
39286 2001 CX_{6}			9 17.5 281.°60		1.°1/15.3 18	R
8 9	23 56.70	− 6 21.1	4.436	5.249	7.2	19.6
8 19	23 53.75	− 6 47.5	4.344	5.243	5.6	19.4
8 29	23 49.93	− 7 17.5	4.277	5.238	3.7	19.3
9 8	23 45.49	− 7 49.1	4.238	5.233	1.9	19.2
9 18	23 40.72	− 8 20.0	4.228	5.228	1.2	19.1
9 28	23 35.96	− 8 48.1	4.249	5.223	2.9	19.2
10 8	23 31.56	− 9 11.1	4.299	5.217	4.8	19.4
10 18	23 27.83	− 9 27.6	4.375	5.212	6.5	19.5
137590 1999 VF_{151}			9 17.5 304.°46		1.°4/18.6 18	
8 9	0 4.35	+ 3 2.2	1.380	2.210	19.2	20.5
8 19	0 2.14	+ 3 0.9	1.287	2.190	15.6	20.2
8 29	23 57.05	+ 2 39.9	1.212	2.171	11.2	19.9
9 8	23 49.55	+ 2 0.6	1.158	2.151	6.1	19.6
9 18	23 40.50	+ 1 7.5	1.128	2.132	1.4	19.2
9 28	23 31.22	+ 0 8.5	1.122	2.113	5.6	19.4
10 8	23 23.15	− 0 47.2	1.141	2.094	11.1	19.7
10 18	23 17.44	− 1 31.4	1.182	2.076	16.1	19.9
352338 2007 VS_{44}			9 17.5 321.°64		3.°4/20.6 18	
8 9	0 4.11	+ 8 8.2	1.761	2.553	17.2	21.0
8 19	0 1.15	+ 8 20.7	1.671	2.546	14.2	20.7
8 29	23 55.87	+ 8 14.5	1.600	2.539	10.6	20.5
9 8	23 48.75	+ 7 50.0	1.552	2.532	6.7	20.3
9 18	23 40.55	+ 7 9.5	1.528	2.526	3.6	20.1
9 28	23 32.31	+ 6 18.2	1.531	2.519	4.9	20.1
10 8	23 25.09	+ 5 23.3	1.560	2.514	8.7	20.4
10 18	23 19.75	+ 4 31.7	1.614	2.508	12.5	20.6
306861 2001 SL_{216}			9 17.5 326.°52		0.°9/16.6 18	
8 9	0 1.59	− 0 27.1	1.843	2.670	15.2	20.6
8 19	23 58.95	− 1 12.0	1.759	2.664	12.0	20.4
8 29	23 54.22	− 2 12.0	1.696	2.659	8.2	20.1
9 8	23 47.86	− 3 22.8	1.657	2.654	4.0	19.9
9 18	23 40.60	− 4 38.0	1.645	2.649	1.1	19.7
9 28	23 33.36	− 5 50.0	1.661	2.645	5.2	19.9
10 8	23 27.09	− 6 51.7	1.703	2.641	9.3	20.2
10 18	23 22.52	− 7 37.9	1.768	2.637	13.0	20.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
167388 2003 WW_{84}			9 17.5 217°.86	8°.0/ 8.1 18		
	h m	° ′			°	m
8 9	0 7.69	−23 30.2	2.135	2.976	12.9	19.9
8 19	0 3.54	−24 56.8	2.070	2.971	10.7	19.7
8 29	23 57.24	−26 20.3	2.028	2.965	8.8	19.6
9 8	23 49.31	−27 32.4	2.011	2.959	8.0	19.5
9 18	23 40.53	−28 25.8	2.020	2.953	8.7	19.6
9 28	23 31.86	−28 54.8	2.054	2.946	10.6	19.7
10 8	23 24.24	−28 57.7	2.112	2.940	12.9	19.8
10 18	23 18.40	−28 35.3	2.190	2.932	15.1	20.0
365006 2008 KR_{40}			9 17.5 11°.19	1°.9/19.6 18		
8 9	23 59.62	+ 6 58.2	1.840	2.643	16.1	20.5
8 19	23 57.37	+ 6 30.8	1.760	2.645	13.1	20.3
8 29	23 53.09	+ 5 43.6	1.700	2.647	9.5	20.1
9 8	23 47.27	+ 4 39.3	1.663	2.651	5.5	19.9
9 18	23 40.63	+ 3 22.7	1.652	2.655	2.0	19.6
9 28	23 34.06	+ 2 0.9	1.669	2.659	4.2	19.8
10 8	23 28.45	+ 0 41.9	1.712	2.664	8.1	20.1
10 18	23 24.51	− 0 27.3	1.780	2.669	11.8	20.3
21579 1998 SK_{45}			9 17.5 72°.20	0°.6/16.9 18		
8 9	0 4.34	− 1 42.4	2.200	3.015	13.4	18.6
8 19	0 0.55	− 2 8.4	2.131	3.029	10.5	18.4
8 29	23 54.97	− 2 44.5	2.083	3.043	7.1	18.2
9 8	23 48.10	− 3 27.2	2.061	3.057	3.5	18.0
9 18	23 40.60	− 4 11.9	2.067	3.071	0.8	17.8
9 28	23 33.26	− 4 53.6	2.101	3.085	4.3	18.1
10 8	23 26.83	− 5 27.9	2.163	3.099	7.7	18.4
10 18	23 21.90	− 5 51.4	2.250	3.112	10.8	18.6
106117 2000 TH_{29}			9 17.5 2°.93	5°.5/22.8 18		
8 9	0 3.82	+13 13.3	1.834	2.599	17.6	18.2
8 19	0 0.82	+13 49.9	1.750	2.598	14.9	18.0
8 29	23 55.57	+14 6.5	1.683	2.598	11.7	17.8
9 8	23 48.57	+14 2.0	1.638	2.599	8.5	17.6
9 18	23 40.57	+13 36.9	1.617	2.600	5.9	17.5
9 28	23 32.57	+12 54.9	1.623	2.601	6.0	17.5
10 8	23 25.58	+12 2.5	1.654	2.603	8.6	17.7
10 18	23 20.42	+11 7.1	1.709	2.606	11.8	17.9
219280 2000 CY_{67}			9 17.5 233°.55	0°.3/17.9 18		
8 9	0 7.27	+ 1 42.3	1.803	2.614	16.1	21.5
8 19	0 3.57	+ 1 19.9	1.711	2.605	12.9	21.3
8 29	23 57.51	+ 0 41.5	1.639	2.595	9.1	21.1
9 8	23 49.57	− 0 9.9	1.591	2.585	4.7	20.8
9 18	23 40.53	− 1 9.5	1.570	2.574	0.3	20.4
9 28	23 31.43	− 2 10.3	1.576	2.564	4.8	20.7
10 8	23 23.36	− 3 5.1	1.609	2.552	9.4	21.0
10 18	23 17.19	− 3 48.2	1.667	2.540	13.4	21.2
318365 2004 VQ_{7}			9 17.5 5°.06	2°.5/20.5 18		
8 9	0 0.10	+ 8 46.4	2.008	2.795	15.5	20.4
8 19	23 57.60	+ 8 27.0	1.923	2.795	12.7	20.2
8 29	23 53.18	+ 7 48.4	1.857	2.796	9.4	20.0
9 8	23 47.31	+ 6 52.4	1.815	2.797	5.8	19.8
9 18	23 40.64	+ 5 42.8	1.799	2.798	2.7	19.6
9 28	23 34.01	+ 4 25.8	1.810	2.800	4.0	19.7
10 8	23 28.27	+ 3 8.6	1.849	2.802	7.6	19.9
10 18	23 24.08	+ 1 58.0	1.913	2.804	11.1	20.1
378566 2008 CL_{205}			9 17.5 185°.33	0°.7/18.7 17		
8 9	0 0.44	+ 2 41.4	3.274	4.059	10.1	21.9
8 19	23 56.99	+ 2 29.9	3.182	4.059	8.1	21.7
8 29	23 52.31	+ 2 9.6	3.112	4.059	5.7	21.6
9 8	23 46.73	+ 1 42.2	3.069	4.059	3.1	21.4
9 18	23 40.68	+ 1 10.1	3.055	4.058	0.8	21.2
9 28	23 34.64	+ 0 36.2	3.070	4.058	2.7	21.4
10 8	23 29.14	+ 0 3.8	3.115	4.058	5.3	21.5
10 18	23 24.60	− 0 24.3	3.187	4.058	7.7	21.7
32 Pomona			9 17.5 150°.84	2°.1/19.8 18		
8 9	0 5.20	+ 7 12.5	1.977	2.763	15.8	12.1
8 19	0 1.60	+ 6 55.5	1.894	2.767	12.8	11.9
8 29	23 55.92	+ 6 20.4	1.830	2.771	9.3	11.7
9 8	23 48.68	+ 5 29.1	1.791	2.775	5.5	11.5
9 18	23 40.58	+ 4 25.6	1.778	2.779	2.3	11.3
9 28	23 32.56	+ 3 16.0	1.793	2.782	4.1	11.4
10 8	23 25.51	+ 2 7.3	1.836	2.785	7.9	11.7
10 18	23 20.15	+ 1 6.0	1.904	2.788	11.5	11.9
226651 2004 FU_{107}			9 17.5 79°.98	4°.3/14.3 17		
8 9	0 13.89	−11 8.2	1.554	2.394	16.9	20.5
8 19	0 8.60	−11 44.8	1.505	2.417	13.2	20.3
8 29	0 0.70	−12 26.1	1.476	2.440	9.1	20.1
9 8	23 50.97	−13 4.7	1.471	2.463	5.3	19.9
9 18	23 40.48	−13 33.8	1.493	2.486	4.7	20.0
9 28	23 30.49	−13 47.6	1.542	2.508	7.8	20.2
10 8	23 22.09	−13 43.5	1.616	2.530	11.5	20.5
10 18	23 16.02	−13 21.5	1.713	2.551	14.8	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
82804 2001 QJ_{30}			9 17.6 23°.81	5°.1/23.3 18		
	h m	° ′			°	m
8 9	23 59.10	+15 48.4	1.653	2.421	19.0	18.0
8 19	23 57.26	+15 34.2	1.577	2.428	16.1	17.8
8 29	23 53.16	+14 51.9	1.519	2.436	12.6	17.6
9 8	23 47.36	+13 42.1	1.481	2.445	8.8	17.4
9 18	23 40.66	+12 8.3	1.468	2.455	5.7	17.2
9 28	23 34.08	+10 18.5	1.480	2.465	5.6	17.3
10 8	23 28.61	+ 8 23.4	1.519	2.476	8.5	17.5
10 18	23 25.00	+ 6 33.4	1.583	2.487	12.1	17.7
509257 2006 UE_{82}			9 17.6 288°.97	0°.4/17.3 18		
8 9	0 8.38	− 1 24.2	1.506	2.337	17.8	22.2
8 19	0 5.14	− 1 29.0	1.408	2.315	14.3	21.9
8 29	23 59.05	− 1 48.0	1.329	2.292	10.0	21.6
9 8	23 50.56	− 2 18.5	1.273	2.269	5.1	21.2
9 18	23 40.51	− 2 55.3	1.242	2.247	0.5	20.8
9 28	23 30.21	− 3 31.5	1.237	2.224	5.9	21.2
10 8	23 21.05	− 3 59.9	1.257	2.201	11.2	21.4
10 18	23 14.19	− 4 15.0	1.299	2.179	16.0	21.6
514228 2015 OO_{84}			9 17.6 58°.11	1°.4/16.1 18		
8 9	0 3.88	− 2 57.9	1.976	2.802	14.3	21.6
8 19	0 0.52	− 3 36.0	1.899	2.805	11.2	21.4
8 29	23 55.15	− 4 25.5	1.845	2.808	7.6	21.2
9 8	23 48.29	− 5 21.7	1.815	2.812	3.7	21.0
9 18	23 40.64	− 6 19.1	1.812	2.815	1.6	20.8
9 28	23 33.09	− 7 11.3	1.838	2.819	5.1	21.1
10 8	23 26.51	− 7 52.9	1.890	2.823	8.9	21.3
10 18	23 21.58	− 8 20.2	1.967	2.826	12.3	21.6
321356 2009 MF			9 17.6 82°.76	2°.7/20.3 17		
8 9	0 11.44	+ 9 56.0	1.599	2.377	19.2	20.8
8 19	0 6.55	+ 9 20.7	1.548	2.415	15.5	20.6
8 29	23 59.23	+ 8 21.7	1.516	2.452	11.3	20.4
9 8	23 50.23	+ 7 2.5	1.507	2.489	6.7	20.3
9 18	23 40.56	+ 5 29.7	1.524	2.524	2.9	20.1
9 28	23 31.36	+ 3 52.3	1.570	2.559	4.6	20.3
10 8	23 23.66	+ 2 20.0	1.643	2.593	8.7	20.6
10 18	23 18.13	+ 1 0.1	1.742	2.626	12.4	20.9
312798 2010 WC_{27}			9 17.6 287°.09	0°.4/16.9 18		
8 9	23 57.30	− 2 24.1	4.296	5.096	7.6	21.1
8 19	23 54.28	− 2 43.1	4.192	5.083	6.0	21.0
8 29	23 50.35	− 3 7.2	4.114	5.070	4.1	20.9
9 8	23 45.74	− 3 34.8	4.062	5.058	2.0	20.7
9 18	23 40.77	− 4 3.7	4.041	5.045	0.4	20.5
9 28	23 35.79	− 4 31.6	4.049	5.032	2.5	20.7
10 8	23 31.16	− 4 56.3	4.087	5.019	4.6	20.9
10 18	23 27.22	− 5 15.9	4.153	5.006	6.5	21.0
507687 2013 SK_{84}			9 17.6 290°.48	4°.6/13.5 18		
8 9	0 4.24	− 7 48.6	1.490	2.345	16.8	21.4
8 19	0 1.85	− 9 0.6	1.399	2.323	13.2	21.1
8 29	23 56.75	−10 27.4	1.329	2.300	9.2	20.8
9 8	23 49.38	−12 1.0	1.282	2.277	5.4	20.6
9 18	23 40.59	−13 31.3	1.260	2.253	5.2	20.5
9 28	23 31.62	−14 47.0	1.264	2.230	9.0	20.7
10 8	23 23.79	−15 39.6	1.291	2.207	13.5	20.9
10 18	23 18.18	−16 4.7	1.339	2.185	17.7	21.1
29038 4030 $T\text{-}_{1}$			9 17.6 299°.07	2°.3/15.6 18		
8 9	0 7.56	− 6 56.7	1.862	2.695	14.8	17.9
8 19	0 3.75	− 7 13.1	1.770	2.680	11.7	17.7
8 29	23 57.61	− 7 37.3	1.700	2.665	8.0	17.4
9 8	23 49.64	− 8 4.9	1.653	2.650	4.1	17.2
9 18	23 40.59	− 8 30.8	1.634	2.635	2.5	17.0
9 28	23 31.50	− 8 49.4	1.642	2.620	6.0	17.2
10 8	23 23.42	− 8 56.3	1.676	2.605	10.1	17.5
10 18	23 17.19	− 8 48.9	1.734	2.591	13.8	17.7
224866 2007 AD_{18}			9 17.6 254°.64	0°.8/18.3 18		
8 9	0 7.51	+ 2 12.4	1.726	2.537	16.7	21.2
8 19	0 3.93	+ 2 2.1	1.633	2.526	13.5	21.0
8 29	23 57.88	+ 1 35.7	1.559	2.513	9.5	20.7
9 8	23 49.83	+ 0 55.6	1.508	2.501	5.1	20.4
9 18	23 40.58	+ 0 6.0	1.484	2.488	0.8	20.1
9 28	23 31.25	− 0 46.5	1.487	2.475	4.9	20.3
10 8	23 22.96	− 1 34.8	1.516	2.462	9.5	20.6
10 18	23 16.67	− 2 12.8	1.569	2.449	13.7	20.8
23119 2000 AP_{33}			9 17.6 345°.29	3°.6/23.7 18		
8 9	23 59.84	+15 15.7	3.892	4.599	9.9	18.1
8 19	23 56.41	+15 39.4	3.788	4.595	8.4	18.0
8 29	23 51.89	+15 52.3	3.706	4.591	6.7	17.9
9 8	23 46.55	+15 54.2	3.648	4.588	5.1	17.7
9 18	23 40.75	+15 45.8	3.617	4.585	3.8	17.7
9 28	23 34.92	+15 28.2	3.615	4.582	3.7	17.6
10 8	23 29.52	+15 4.1	3.642	4.579	4.9	17.7
10 18	23 24.93	+14 36.2	3.696	4.576	6.5	17.8

35650 1998 MD_{11} 9 17.6 30°.02 2°.3/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 0.74	− 4 0.3	1.924	2.761	14.3	18.1
8 19	23 58.11	− 5 7.2	1.853	2.766	11.1	17.9
8 29	23 53.53	− 6 26.1	1.804	2.772	7.4	17.7
9 8	23 47.49	− 7 51.1	1.781	2.778	3.7	17.5
9 18	23 40.70	− 9 14.8	1.785	2.784	2.7	17.5
9 28	23 34.03	−10 29.6	1.816	2.791	5.9	17.7
10 8	23 28.31	−11 29.4	1.874	2.798	9.5	17.9
10 18	23 24.20	−12 10.6	1.955	2.805	12.8	18.1

517447 2014 OK_{168} 9 17.6 354°.52 0°.4/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.60	− 2 19.1	2.143	2.957	13.8	21.1
8 19	0 2.52	− 2 21.4	2.059	2.956	10.9	20.9
8 29	23 56.47	− 2 32.7	1.997	2.955	7.5	20.7
9 8	23 48.95	− 2 50.3	1.959	2.955	3.7	20.5
9 18	23 40.64	− 3 10.7	1.950	2.954	0.5	20.2
9 28	23 32.39	− 3 29.6	1.969	2.954	4.3	20.5
10 8	23 25.06	− 3 43.1	2.015	2.954	8.0	20.7
10 18	23 19.31	− 3 48.1	2.087	2.954	11.3	20.9

186783 2004 DT_{48} 9 17.6 186°.27 0°.0/17.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 8.47	+ 0 45.0	1.870	2.679	15.7	21.0
8 19	0 4.33	+ 0 20.7	1.786	2.679	12.5	20.7
8 29	23 57.91	− 0 18.1	1.722	2.678	8.7	20.5
9 8	23 49.74	− 1 8.0	1.683	2.677	4.4	20.3
9 18	23 40.61	− 2 3.8	1.671	2.676	0.2	19.9
9 28	23 31.53	− 2 59.2	1.687	2.674	4.7	20.3
10 8	23 23.51	− 3 47.6	1.731	2.671	9.0	20.5
10 18	23 17.34	− 4 24.1	1.799	2.668	12.8	20.8

155898 2001 FZ_{116} 9 17.6 190°.17 1°.7/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.31	− 3 48.6	2.603	3.421	11.5	20.3
8 19	23 58.04	− 4 50.6	2.517	3.420	8.9	20.1
8 29	23 53.24	− 6 2.1	2.456	3.419	6.0	19.9
9 8	23 47.29	− 7 18.8	2.422	3.418	3.0	19.7
9 18	23 40.73	− 8 35.4	2.417	3.417	2.0	19.6
9 28	23 34.20	− 9 46.3	2.441	3.415	4.7	19.8
10 8	23 28.35	−10 46.6	2.494	3.413	7.7	20.0
10 18	23 23.73	−11 33.1	2.572	3.411	10.4	20.2

71830 2000 UL_{56} 9 17.6 26°.31 4°.9/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.02	− 8 23.2	1.068	1.944	20.4	18.6
8 19	0 2.89	− 9 19.3	1.018	1.952	15.9	18.4
8 29	23 57.51	−10 27.4	0.985	1.960	10.9	18.1
9 8	23 49.67	−11 37.4	0.973	1.970	6.2	17.9
9 18	23 40.62	−12 37.9	0.984	1.980	5.4	17.9
9 28	23 31.96	−13 18.6	1.018	1.991	9.5	18.2
10 8	23 25.15	−13 33.7	1.073	2.003	14.2	18.5
10 18	23 21.09	−13 22.4	1.147	2.016	18.4	18.8

166942 2003 HP_{48} 9 17.6 49°.24 3°.5/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.31	− 5 50.9	1.181	2.042	19.8	19.3
8 19	0 4.42	− 6 41.9	1.126	2.052	15.5	19.1
8 29	23 58.42	− 7 46.8	1.090	2.062	10.5	18.8
9 8	23 50.10	− 8 57.3	1.075	2.073	5.4	18.6
9 18	23 40.62	−10 3.1	1.084	2.084	3.9	18.5
9 28	23 31.51	−10 54.1	1.118	2.095	8.2	18.8
10 8	23 24.12	−11 23.4	1.174	2.107	13.0	19.1
10 18	23 19.39	−11 28.9	1.250	2.119	17.2	19.4

296581 2009 RU_{8} 9 17.6 213°.96 0°.3/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 57.61	− 2 14.6	4.519	5.316	7.3	20.9
8 19	23 54.45	− 2 30.0	4.426	5.315	5.7	20.8
8 29	23 50.43	− 2 50.1	4.358	5.313	3.9	20.7
9 8	23 45.79	− 3 13.3	4.317	5.312	1.9	20.5
9 18	23 40.83	− 3 37.7	4.306	5.310	0.3	20.4
9 28	23 35.89	− 4 1.3	4.325	5.308	2.3	20.6
10 8	23 31.31	− 4 22.0	4.374	5.307	4.3	20.7
10 18	23 27.38	− 4 38.1	4.451	5.305	6.0	20.8

346650 2008 XR_{51} 9 17.6 349°.13 3°.1/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.27	− 5 34.4	1.325	2.188	18.0	20.1
8 19	23 59.55	− 6 20.0	1.254	2.181	14.1	19.9
8 29	23 55.10	− 7 19.9	1.202	2.175	9.6	19.6
9 8	23 48.50	− 8 26.9	1.172	2.170	5.0	19.3
9 18	23 40.70	− 9 32.1	1.166	2.166	3.5	19.3
9 28	23 32.98	−10 25.8	1.184	2.162	7.7	19.5
10 8	23 26.60	−11 0.5	1.225	2.160	12.4	19.8
10 18	23 22.51	−11 12.5	1.287	2.159	16.6	20.0

72004 2000 XS_{3} 9 17.6 189°.94 0°.9/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 10.96	− 3 39.7	2.244	3.049	13.5	19.8
8 19	0 5.86	− 3 51.1	2.155	3.048	10.7	19.6
8 29	23 58.75	− 4 10.7	2.089	3.047	7.3	19.4
9 8	23 50.11	− 4 35.4	2.049	3.045	3.6	19.1
9 18	23 40.64	− 5 1.4	2.038	3.042	1.0	18.9
9 28	23 31.23	− 5 24.2	2.057	3.039	4.6	19.2
10 8	23 22.74	− 5 39.8	2.104	3.035	8.2	19.4
10 18	23 15.88	− 5 45.7	2.176	3.031	11.5	19.6

356794 2011 UP_{319} 9 17.6 56°.25 1°.6/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 4.95	− 4 6.6	1.967	2.794	14.3	21.3
8 19	0 1.38	− 4 39.2	1.891	2.798	11.2	21.1
8 29	23 55.77	− 5 21.8	1.837	2.801	7.6	20.9
9 8	23 48.64	− 6 10.0	1.808	2.805	3.7	20.7
9 18	23 40.71	− 6 58.5	1.806	2.808	1.8	20.5
9 28	23 32.90	− 7 41.1	1.832	2.812	5.3	20.8
10 8	23 26.07	− 8 13.0	1.884	2.815	9.0	21.0
10 18	23 20.93	− 8 31.0	1.961	2.819	12.4	21.3

351121 2003 WE_{66} 9 17.6 325°.81 2°.9/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.93	− 7 58.5	1.674	2.515	15.9	20.5
8 19	0 4.21	− 8 18.7	1.594	2.509	12.5	20.3
8 29	23 58.00	− 8 46.6	1.535	2.502	8.5	20.0
9 8	23 49.87	− 9 16.9	1.500	2.496	4.5	19.8
9 18	23 40.66	− 9 43.7	1.491	2.490	3.2	19.7
9 28	23 31.53	−10 0.8	1.509	2.485	6.7	19.9
10 8	23 23.59	−10 4.1	1.552	2.480	10.8	20.1
10 18	23 17.71	− 9 51.3	1.617	2.475	14.6	20.3

327460 2005 WH_{186} 9 17.6 289°.49 1°.8/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.80	− 4 23.0	2.204	3.030	13.1	21.1
8 19	23 59.69	− 5 4.5	2.103	3.009	10.3	20.9
8 29	23 54.67	− 5 56.4	2.024	2.988	7.0	20.6
9 8	23 48.16	− 6 54.8	1.971	2.967	3.5	20.4
9 18	23 40.75	− 7 54.3	1.945	2.946	2.1	20.2
9 28	23 33.25	− 8 48.8	1.947	2.925	5.3	20.4
10 8	23 26.49	− 9 32.8	1.977	2.903	8.9	20.6
10 18	23 21.19	−10 2.4	2.031	2.882	12.3	20.8

457895 2009 TK_{25} 9 17.6 241°.78 11°.5/11.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 26.98	−25 49.7	1.276	2.115	20.0	20.8
8 19	0 20.43	−26 37.9	1.209	2.107	16.8	20.5
8 29	0 9.80	−27 17.2	1.160	2.098	13.7	20.3
9 8	23 55.94	−27 34.2	1.132	2.090	11.7	20.2
9 18	23 40.41	−27 17.3	1.127	2.080	12.0	20.2
9 28	23 25.32	−26 21.0	1.147	2.071	14.5	20.3
10 8	23 12.60	−24 47.9	1.189	2.061	18.0	20.5
10 18	23 3.48	−22 45.9	1.251	2.051	21.4	20.7

318000 2004 CP_{12} 9 17.6 67°.30 0°.7/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.85	+ 1 57.5	1.899	2.707	15.5	20.5
8 19	0 2.17	+ 1 47.7	1.822	2.714	12.4	20.3
8 29	23 56.36	+ 1 23.9	1.766	2.720	8.7	20.1
9 8	23 48.96	+ 0 48.8	1.734	2.726	4.6	19.9
9 18	23 40.73	+ 0 6.6	1.728	2.733	0.8	19.6
9 28	23 32.60	− 0 37.1	1.751	2.739	4.3	19.9
10 8	23 25.52	− 1 16.5	1.800	2.746	8.3	20.1
10 18	23 20.19	− 1 46.9	1.874	2.752	11.9	20.4

483900 2006 AG_{44} 9 17.6 281°.80 2°.9/20.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.47	+ 7 37.3	2.313	3.085	14.1	21.6
8 19	0 1.67	+ 7 54.9	2.212	3.074	11.7	21.4
8 29	23 55.97	+ 7 58.8	2.131	3.063	8.7	21.2
9 8	23 48.79	+ 7 49.2	2.074	3.051	5.6	21.0
9 18	23 40.73	+ 7 27.9	2.044	3.040	3.1	20.8
9 28	23 32.60	+ 6 57.8	2.043	3.029	4.1	20.8
10 8	23 25.21	+ 6 23.9	2.070	3.018	7.2	21.0
10 18	23 19.28	+ 5 50.7	2.122	3.007	10.4	21.2

351160 2003 YL_{169} 9 17.6 304°.18 9°.7/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.97	−25 7.9	1.757	2.607	14.8	20.2
8 19	0 4.33	−26 34.4	1.694	2.598	12.4	20.1
8 29	23 58.11	−27 56.2	1.652	2.589	10.5	19.9
9 8	23 49.92	−29 3.1	1.634	2.580	9.7	19.9
9 18	23 40.69	−29 46.3	1.640	2.571	10.5	19.9
9 28	23 31.62	−29 59.7	1.669	2.563	12.6	20.0
10 8	23 23.84	−29 41.7	1.721	2.554	15.1	20.2
10 18	23 18.22	−28 54.9	1.791	2.546	17.5	20.3

154834 2004 RB_{26} 9 17.6 30°.83 3°.5/14.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.60	− 7 3.1	1.452	2.305	17.2	19.9
8 19	0 2.59	− 7 50.8	1.389	2.310	13.4	19.7
8 29	23 56.96	− 8 49.4	1.345	2.315	9.1	19.5
9 8	23 49.35	− 9 51.6	1.325	2.322	4.9	19.3
9 18	23 40.73	−10 49.0	1.330	2.328	3.8	19.2
9 28	23 32.32	−11 33.5	1.361	2.335	7.5	19.5
10 8	23 25.30	−11 59.4	1.415	2.342	11.8	19.7
10 18	23 20.49	−12 4.4	1.492	2.350	15.5	20.0

115492 2003 UR_{22} 9 17.6 325°.75 6°.8/10.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.29	−21 17.4	2.175	3.018	12.6	19.4
8 19	0 2.36	−22 16.2	2.107	3.013	10.3	19.3
8 29	23 56.42	−23 12.7	2.061	3.008	8.1	19.1
9 8	23 48.97	−23 59.9	2.041	3.004	6.9	19.1
9 18	23 40.76	−24 31.5	2.047	2.999	7.4	19.1
9 28	23 32.68	−24 43.0	2.079	2.995	9.3	19.2
10 8	23 25.60	−24 32.5	2.135	2.991	11.7	19.3
10 18	23 20.20	−24 0.7	2.213	2.987	14.0	19.5

337308 2000 YY_{87} 9 17.6 280°.53 1°.5/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 5.65	+ 4 7.0	1.837	2.640	16.2	20.8
8 19	0 2.44	+ 4 0.5	1.732	2.619	13.2	20.6
8 29	23 56.89	+ 3 37.4	1.648	2.598	9.5	20.3
9 8	23 49.42	+ 2 59.0	1.586	2.576	5.3	20.0
9 18	23 40.73	+ 2 8.9	1.551	2.555	1.6	19.7
9 28	23 31.86	+ 1 12.9	1.543	2.533	4.6	19.9
10 8	23 23.87	+ 0 18.1	1.562	2.511	9.1	20.1
10 18	23 17.71	− 0 28.9	1.605	2.489	13.2	20.3

330592 2008 CJ_{162} 9 17.6 225°.96 3°.3/20.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.50	+ 8 38.3	1.694	2.480	18.0	21.4
8 19	0 3.99	+ 8 40.7	1.603	2.474	14.9	21.1
8 29	23 57.98	+ 8 22.4	1.530	2.468	11.1	20.9
9 8	23 49.94	+ 7 43.8	1.480	2.461	7.0	20.6
9 18	23 40.71	+ 6 47.8	1.456	2.454	3.5	20.4
9 28	23 31.42	+ 5 40.5	1.458	2.446	5.0	20.5
10 8	23 23.23	+ 4 30.3	1.486	2.438	9.2	20.7
10 18	23 17.07	+ 3 25.3	1.539	2.430	13.3	20.9

95261 2002 CD_{61} 9 17.6 100°.58 2°.2/15.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.66	− 7 48.7	2.458	3.277	12.1	19.7
8 19	0 2.90	− 8 19.1	2.395	3.297	9.4	19.5
8 29	23 56.48	− 8 54.6	2.355	3.317	6.3	19.4
9 8	23 48.89	− 9 31.2	2.342	3.336	3.3	19.2
9 18	23 40.77	−10 4.4	2.358	3.355	2.4	19.2
9 28	23 32.86	−10 30.3	2.403	3.374	5.0	19.4
10 8	23 25.84	−10 45.8	2.476	3.393	7.9	19.6
10 18	23 20.26	−10 49.4	2.575	3.411	10.5	19.8

220410 2003 SM_{89} 9 17.6 132°.30 4°.3/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.81	+15 37.2	2.544	3.271	14.1	20.1
8 19	23 58.57	+15 34.2	2.451	3.275	11.9	19.9
8 29	23 53.69	+15 12.9	2.378	3.278	9.4	19.8
9 8	23 47.59	+14 33.4	2.328	3.281	6.8	19.6
9 18	23 40.83	+13 37.7	2.305	3.284	4.7	19.5
9 28	23 34.09	+12 29.4	2.309	3.287	4.6	19.5
10 8	23 28.08	+11 14.3	2.342	3.290	6.6	19.6
10 18	23 23.36	+ 9 58.4	2.403	3.293	9.1	19.8

487191 2014 OH_{342} 9 17.6 133°.70 0°.6/18.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.10	+ 1 6.9	2.403	3.199	13.0	21.6
8 19	0 1.91	+ 1 5.2	2.317	3.202	10.4	21.4
8 29	23 55.98	+ 0 53.3	2.254	3.204	7.3	21.2
9 8	23 48.73	+ 0 33.1	2.215	3.207	3.8	21.0
9 18	23 40.79	+ 0 7.6	2.205	3.210	0.6	20.8
9 28	23 32.91	− 0 19.3	2.225	3.212	3.6	21.0
10 8	23 25.84	− 0 43.6	2.272	3.215	7.0	21.2
10 18	23 20.18	− 1 1.9	2.346	3.217	10.1	21.4

353096 2009 ED_{12} 9 17.6 49°.02 2°.0/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.33	− 5 49.9	1.915	2.744	14.6	20.9
8 19	0 3.34	− 6 13.3	1.838	2.745	11.5	20.7
8 29	23 57.19	− 6 45.1	1.782	2.746	7.8	20.5
9 8	23 49.41	− 7 21.0	1.751	2.747	3.9	20.3
9 18	23 40.76	− 7 55.7	1.747	2.748	2.2	20.2
9 28	23 32.23	− 8 23.5	1.771	2.750	5.6	20.4
10 8	23 24.75	− 8 40.3	1.822	2.751	9.4	20.6
10 18	23 19.06	− 8 43.4	1.896	2.752	12.8	20.8

14274 Landstreet 9 17.6 16°.78 6°.9/24.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.49	+16 21.9	2.054	2.783	16.9	17.2
8 19	0 3.55	+17 26.6	1.969	2.786	14.6	17.0
8 29	23 57.42	+18 13.2	1.902	2.790	12.0	16.8
9 8	23 49.58	+18 39.1	1.857	2.795	9.3	16.7
9 18	23 40.76	+18 43.5	1.837	2.800	7.3	16.6
9 28	23 31.90	+18 27.9	1.843	2.805	7.0	16.6
10 8	23 24.00	+17 57.2	1.875	2.811	8.7	16.7
10 18	23 17.85	+17 17.5	1.931	2.817	11.2	16.9

41976 2000 YA_{15} 9 17.6 354°.34 4°.2/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 57.99	+ 8 6.7	1.025	1.872	23.2	17.8
8 19	23 57.75	+ 8 24.2	0.957	1.865	19.2	17.5
8 29	23 54.34	+ 8 12.5	0.904	1.860	14.4	17.2
9 8	23 48.34	+ 7 31.3	0.869	1.856	9.0	16.9
9 18	23 40.80	+ 6 25.0	0.854	1.854	4.5	16.7
9 28	23 33.29	+ 5 3.4	0.861	1.853	6.3	16.8
10 8	23 27.38	+ 3 40.1	0.889	1.854	11.6	17.1
10 18	23 24.20	+ 2 27.2	0.937	1.856	16.8	17.4

399324 1998 VO_{46} 9 17.6 11°.58 3°.1/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.98	− 8 23.4	1.701	2.550	15.3	20.2
8 19	0 0.93	− 8 51.4	1.635	2.553	11.9	20.0
8 29	23 55.62	− 9 26.5	1.589	2.558	8.1	19.8
9 8	23 48.64	−10 3.3	1.567	2.563	4.4	19.6
9 18	23 40.80	−10 35.6	1.571	2.569	3.4	19.6
9 28	23 33.15	−10 57.5	1.602	2.576	6.6	19.8
10 8	23 26.65	−11 4.9	1.657	2.584	10.4	20.0
10 18	23 22.04	−10 56.2	1.736	2.593	13.8	20.3

264119 2009 TT_{7} 9 17.6 268°.28 4°.9/ 7.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 1.54	−29 19.8	4.535	5.349	7.0	20.3
8 19	23 57.57	−29 56.5	4.470	5.344	6.0	20.3
8 29	23 52.59	−30 28.5	4.430	5.340	5.2	20.2
9 8	23 46.91	−30 52.6	4.417	5.335	4.9	20.2
9 18	23 40.89	−31 6.5	4.431	5.330	5.3	20.2
9 28	23 34.93	−31 8.2	4.471	5.326	6.2	20.3
10 8	23 29.46	−30 57.0	4.537	5.321	7.2	20.3
10 18	23 24.80	−30 33.2	4.626	5.316	8.3	20.4

86102 1999 RP_{108} 9 17.6 334°.93 4°.2/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.46	+10 36.5	2.018	2.786	16.0	18.7
8 19	0 1.17	+11 2.7	1.925	2.781	13.4	18.5
8 29	23 55.79	+11 11.8	1.852	2.776	10.3	18.3
9 8	23 48.77	+11 3.3	1.802	2.771	7.1	18.1
9 18	23 40.80	+10 38.4	1.777	2.767	4.5	18.0
9 28	23 32.79	+10 0.8	1.780	2.763	5.0	18.0
10 8	23 25.67	+ 9 16.0	1.809	2.759	7.9	18.1
10 18	23 20.21	+ 8 30.3	1.863	2.756	11.2	18.3

159075 2004 TO_{205} 9 17.6 238°.21 0°.4/18.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.88	+ 1 38.6	2.473	3.272	12.6	20.6
8 19	23 59.42	+ 1 16.3	2.381	3.268	10.0	20.4
8 29	23 54.29	+ 0 42.4	2.310	3.263	7.0	20.2
9 8	23 47.92	− 0 0.7	2.265	3.258	3.6	20.0
9 18	23 40.84	− 0 49.2	2.249	3.253	0.4	19.7
9 28	23 33.78	− 1 38.6	2.261	3.248	3.6	20.0
10 8	23 27.43	− 2 24.1	2.301	3.243	7.0	20.2
10 18	23 22.38	− 3 1.6	2.368	3.238	10.1	20.4

520417 2014 JN_{89} 9 17.6 123°.61 2°.1/15.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.46	− 4 38.8	2.120	2.948	13.4	22.0
8 19	0 0.09	− 5 31.9	2.044	2.952	10.5	21.8
8 29	23 54.85	− 6 35.1	1.990	2.955	7.1	21.6
9 8	23 48.21	− 7 43.3	1.962	2.958	3.6	21.4
9 18	23 40.84	− 8 50.5	1.962	2.962	2.4	21.3
9 28	23 33.56	− 9 50.3	1.990	2.965	5.4	21.5
10 8	23 27.17	−10 37.6	2.045	2.968	8.9	21.7
10 18	23 22.31	−11 9.1	2.124	2.971	12.0	21.9

183959 2004 DT_{59} 9 17.6 120°.42 1°.5/16.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.87	− 2 1.1	1.744	2.567	16.1	20.7
8 19	0 3.88	− 2 52.6	1.677	2.581	12.6	20.5
8 29	23 57.59	− 3 57.8	1.631	2.594	8.5	20.3
9 8	23 49.61	− 5 11.3	1.609	2.606	4.1	20.1
9 18	23 40.79	− 6 25.7	1.615	2.618	1.8	19.9
9 28	23 32.17	− 7 33.2	1.649	2.630	5.7	20.2
10 8	23 24.75	− 8 27.2	1.709	2.641	9.8	20.5
10 18	23 19.27	− 9 4.0	1.793	2.651	13.4	20.8

287915 2003 TH_{47} 9 17.6 271°.83 1°.5/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.78	+ 3 56.3	1.532	2.347	18.3	21.5
8 19	0 3.76	+ 3 49.3	1.439	2.333	14.9	21.3
8 29	23 58.05	+ 3 22.9	1.365	2.319	10.7	21.0
9 8	23 50.09	+ 2 38.9	1.313	2.304	5.9	20.7
9 18	23 40.76	+ 1 41.5	1.286	2.290	1.6	20.3
9 28	23 31.28	+ 0 38.3	1.285	2.275	5.2	20.6
10 8	23 22.94	− 0 22.1	1.309	2.260	10.3	20.8
10 18	23 16.81	− 1 12.0	1.357	2.245	14.9	21.0

297186 2010 XD_{3} 9 17.6 252°.55 4°.7/21.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.50	+12 0.4	1.795	2.560	17.8	20.8
8 19	0 4.05	+12 14.8	1.691	2.544	15.1	20.6
8 29	23 58.10	+12 7.8	1.605	2.527	11.7	20.4
9 8	23 50.09	+11 38.3	1.541	2.510	8.1	20.1
9 18	23 40.77	+10 47.4	1.502	2.492	5.1	19.9
9 28	23 31.22	+ 9 39.8	1.489	2.473	5.6	19.9
10 8	23 22.63	+ 8 23.3	1.504	2.455	9.2	20.0
10 18	23 15.98	+ 7 6.9	1.543	2.435	13.1	20.2

516117 2015 UD_{54} 9 17.6 13°.12 1°.2/16.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.03	− 2 38.8	1.887	2.717	14.8	20.8
8 19	0 0.01	− 3 9.4	1.812	2.719	11.6	20.6
8 29	23 54.93	− 3 51.5	1.757	2.721	7.9	20.4
9 8	23 48.30	− 4 41.0	1.727	2.724	3.8	20.1
9 18	23 40.85	− 5 32.3	1.723	2.727	1.4	19.9
9 28	23 33.50	− 6 19.1	1.747	2.730	5.1	20.2
10 8	23 27.15	− 6 56.1	1.798	2.734	9.0	20.5
10 18	23 22.48	− 7 19.4	1.872	2.738	12.5	20.7

382374 2013 TV_{107} 9 17.6 79°.23 3°.9/14.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 10.61	− 9 0.4	1.473	2.320	17.4	20.9
8 19	0 6.45	− 9 39.6	1.413	2.330	13.6	20.7
8 29	23 59.57	−10 26.6	1.372	2.340	9.3	20.5
9 8	23 50.66	−11 14.5	1.355	2.350	5.2	20.2
9 18	23 40.76	−11 55.4	1.364	2.360	4.3	20.2
9 28	23 31.17	−12 22.1	1.398	2.370	7.7	20.5
10 8	23 23.08	−12 30.5	1.457	2.380	11.8	20.7
10 18	23 17.33	−12 19.3	1.539	2.390	15.5	21.0

137560 1999 VL_{92} 9 17.6 2°.68 4°.0/15.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 8.44	− 9 8.2	1.132	2.001	20.0	19.1
8 19	0 5.65	− 9 23.4	1.070	1.999	15.8	18.8
8 29	23 59.55	− 9 47.1	1.026	1.999	10.9	18.5
9 8	23 50.84	−10 12.0	1.002	1.999	5.9	18.3
9 18	23 40.75	−10 30.2	1.001	2.000	4.3	18.2
9 28	23 30.93	−10 33.9	1.024	2.003	8.5	18.4
10 8	23 22.89	−10 18.8	1.069	2.006	13.5	18.7
10 18	23 17.70	− 9 43.9	1.133	2.011	18.0	19.0

34942 1275 T_{-1} 9 17.6 59°.53 0°.2/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 13.77	− 0 25.8	1.126	1.967	21.9	18.6
8 19	0 9.45	− 0 20.8	1.079	1.989	17.3	18.4
8 29	0 1.83	− 0 33.3	1.049	2.012	12.0	18.1
9 8	23 51.80	− 0 58.9	1.040	2.036	6.0	17.9
9 18	23 40.73	− 1 31.3	1.054	2.059	0.3	17.6
9 28	23 30.24	− 2 2.4	1.093	2.082	6.1	18.1
10 8	23 21.77	− 2 25.0	1.156	2.106	11.4	18.4
10 18	23 16.21	− 2 34.6	1.241	2.130	15.9	18.8

248582 2006 BO_{211} 9 17.6 30°.01 2°.3/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.34	− 4 15.5	0.955	1.829	22.4	19.7
8 19	0 4.19	− 4 36.9	0.909	1.841	17.5	19.4
8 29	23 58.55	− 5 14.5	0.880	1.855	11.9	19.2
9 8	23 50.28	− 6 1.0	0.870	1.869	5.8	18.9
9 18	23 40.79	− 6 46.5	0.882	1.885	2.6	18.8
9 28	23 31.80	− 7 21.1	0.916	1.902	7.8	19.2
10 8	23 24.85	− 7 37.8	0.972	1.920	13.3	19.5
10 18	23 20.88	− 7 33.6	1.047	1.938	18.0	19.9

372859 2010 VG_{173} 9 17.6 13°.19 2°.0/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 58.99	+ 3 41.3	0.905	1.775	23.7	19.8
8 19	23 58.66	+ 3 50.4	0.854	1.780	19.1	19.6
8 29	23 54.95	+ 3 33.0	0.818	1.786	13.7	19.3
9 8	23 48.59	+ 2 52.1	0.800	1.795	7.5	19.0
9 18	23 40.86	+ 1 54.9	0.801	1.805	2.1	18.7
9 28	23 33.42	+ 0 52.5	0.824	1.817	6.2	19.1
10 8	23 27.83	− 0 3.0	0.868	1.831	12.1	19.4
10 18	23 25.11	− 0 42.8	0.931	1.847	17.2	19.8

180781 2004 RU_{54} 9 17.6 50°.17 2°.4/20.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.07	+ 8 10.1	1.862	2.652	16.5	19.9
8 19	23 59.94	+ 7 51.6	1.798	2.672	13.3	19.7
8 29	23 54.80	+ 7 13.9	1.753	2.693	9.7	19.5
9 8	23 48.19	+ 6 19.5	1.732	2.715	5.8	19.3
9 18	23 40.88	+ 5 12.9	1.736	2.736	2.6	19.2
9 28	23 33.78	+ 4 0.7	1.769	2.758	4.1	19.3
10 8	23 27.74	+ 2 50.2	1.828	2.780	7.7	19.6
10 18	23 23.41	+ 1 47.8	1.913	2.802	11.1	19.8

434204 2003 QO_{99} 9 17.6 20°.94 10°.0/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.75	+18 13.6	1.100	1.891	25.4	19.1
8 19	0 0.43	+19 35.5	1.051	1.907	22.0	18.9
8 29	23 55.94	+20 23.4	1.016	1.924	18.2	18.7
9 8	23 49.02	+20 33.0	0.997	1.944	14.2	18.5
9 18	23 40.84	+20 3.9	0.997	1.965	11.0	18.4
9 28	23 32.96	+19 2.0	1.018	1.988	10.1	18.5
10 8	23 26.82	+17 39.1	1.061	2.013	11.9	18.7
10 18	23 23.39	+16 9.1	1.124	2.039	15.0	18.9

437712 2014 DW_{89} 9 17.6 29°.77 1°.4/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.50	+ 4 19.2	1.520	2.340	18.2	20.9
8 19	0 0.87	+ 4 4.6	1.450	2.347	14.6	20.7
8 29	23 55.77	+ 3 30.3	1.400	2.355	10.4	20.5
9 8	23 48.81	+ 2 39.3	1.371	2.363	5.7	20.2
9 18	23 40.86	+ 1 37.2	1.367	2.371	1.5	20.0
9 28	23 33.06	+ 0 31.7	1.390	2.380	4.8	20.2
10 8	23 26.52	− 0 28.8	1.438	2.390	9.4	20.5
10 18	23 22.03	− 1 17.8	1.509	2.400	13.5	20.8

280292 2003 MF_{10} 9 17.6 33°.41 10°.4/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.36	+20 25.1	1.247	2.003	24.7	18.9
8 19	0 4.49	+21 50.8	1.199	2.028	21.5	18.8
8 29	23 58.53	+22 43.8	1.165	2.053	17.9	18.6
9 8	23 50.24	+22 59.6	1.149	2.080	14.3	18.5
9 18	23 40.80	+22 37.4	1.152	2.108	11.4	18.4
9 28	23 31.72	+21 42.0	1.177	2.137	10.4	18.5
10 8	23 24.39	+20 24.2	1.225	2.166	11.8	18.6
10 18	23 19.74	+18 56.8	1.294	2.197	14.4	18.9

181633 2006 XZ_{17} 9 17.6 262°.17 0°.1/17.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.50	− 0 42.1	3.416	4.213	9.5	21.7
8 19	23 57.09	− 1 1.6	3.312	4.199	7.5	21.6
8 29	23 52.48	− 1 28.5	3.232	4.186	5.2	21.4
9 8	23 46.96	− 2 0.8	3.178	4.173	2.6	21.2
9 18	23 40.94	− 2 35.8	3.154	4.159	0.2	20.9
9 28	23 34.90	− 3 10.5	3.160	4.145	2.9	21.2
10 8	23 29.32	− 3 41.8	3.195	4.131	5.5	21.3
10 18	23 24.64	− 4 7.2	3.258	4.118	7.9	21.5

177962 2006 PN_{14} 9 17.6 343°.05 4°.9/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 2.16	+ 5 28.4	1.240	2.074	20.7	18.8
8 19	0 0.77	+ 6 35.6	1.153	2.053	17.3	18.5
8 29	23 56.39	+ 7 27.1	1.082	2.034	13.1	18.2
9 8	23 49.44	+ 8 0.7	1.032	2.016	8.6	17.9
9 18	23 40.82	+ 8 15.8	1.003	2.000	5.1	17.6
9 28	23 31.96	+ 8 15.2	0.997	1.986	6.6	17.7
10 8	23 24.38	+ 8 4.9	1.014	1.974	11.2	17.9
10 18	23 19.35	+ 7 52.3	1.051	1.964	15.9	18.1

513353 2007 WZ_{45} 9 17.6 11°.40 1°.3/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.38	+ 2 46.8	1.841	2.647	16.0	21.5
8 19	0 2.76	+ 2 47.2	1.758	2.648	12.9	21.3
8 29	23 56.91	+ 2 33.0	1.696	2.648	9.1	21.1
9 8	23 49.35	+ 2 6.4	1.658	2.649	5.0	20.8
9 18	23 40.84	+ 1 31.0	1.646	2.650	1.3	20.6
9 28	23 32.39	+ 0 52.1	1.661	2.650	4.4	20.8
10 8	23 24.99	+ 0 15.7	1.703	2.651	8.5	21.1
10 18	23 19.40	− 0 13.2	1.770	2.653	12.2	21.3

401274 2012 CY_{24} 9 17.6 20°.19 3°.9/21.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.31	+10 26.1	1.872	2.652	16.7	20.1
8 19	23 59.53	+10 37.8	1.794	2.658	13.9	19.9
8 29	23 54.65	+10 30.2	1.735	2.664	10.5	19.7
9 8	23 48.20	+10 3.7	1.698	2.671	7.0	19.5
9 18	23 40.89	+ 9 20.7	1.686	2.679	4.2	19.4
9 28	23 33.66	+ 8 26.4	1.701	2.687	4.8	19.4
10 8	23 27.42	+ 7 27.4	1.742	2.695	7.9	19.6
10 18	23 22.90	+ 6 30.6	1.808	2.705	11.3	19.8

19671 1999 RX_{151} 9 17.6 206°.19 1°.5/15.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.50	− 3 47.3	2.359	3.178	12.5	18.1
8 19	23 59.97	− 4 28.7	2.273	3.176	9.8	17.9
8 29	23 54.71	− 5 19.6	2.211	3.173	6.6	17.7
9 8	23 48.16	− 6 15.9	2.175	3.171	3.3	17.5
9 18	23 40.90	− 7 12.7	2.167	3.168	1.7	17.4
9 28	23 33.67	− 8 4.6	2.187	3.166	4.7	17.6
10 8	23 27.23	− 8 46.9	2.236	3.163	8.0	17.8
10 18	23 22.16	− 9 16.4	2.310	3.160	11.0	18.0

150442 2000 GN_{127} 9 17.6 209°.60 12°.1/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 19.94	−37 22.7	2.093	2.893	14.5	20.5
8 19	0 13.58	−38 52.7	2.040	2.886	13.1	20.4
8 29	0 4.38	−40 8.9	2.009	2.879	12.2	20.3
9 8	23 53.06	−41 1.2	2.000	2.871	12.1	20.3
9 18	23 40.70	−41 22.0	2.015	2.863	12.9	20.4
9 28	23 28.68	−41 7.7	2.052	2.853	14.3	20.4
10 8	23 18.24	−40 19.4	2.109	2.843	15.9	20.6
10 18	23 10.28	−39 1.8	2.184	2.832	17.5	20.7

59098 1998 WN_{7} 9 17.6 262°.80 5°.6/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.11	−15 34.8	2.053	2.895	13.3	19.1
8 19	0 3.25	−16 37.3	1.969	2.880	10.6	18.9
8 29	23 57.23	−17 42.9	1.907	2.866	7.8	18.7
9 8	23 49.52	−18 44.6	1.871	2.850	5.8	18.6
9 18	23 40.85	−19 35.3	1.861	2.835	6.2	18.6
9 28	23 32.18	−20 8.7	1.879	2.820	8.6	18.7
10 8	23 24.46	−20 20.9	1.922	2.804	11.6	18.9
10 18	23 18.48	−20 11.3	1.987	2.788	14.5	19.0

314449 2005 VW_{91} 9 17.6 347°.78 4°.1/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.84	+12 11.7	1.917	2.689	16.6	20.4
8 19	23 58.43	+12 9.7	1.827	2.685	13.9	20.2
8 29	23 53.96	+11 46.3	1.757	2.682	10.7	19.9
9 8	23 47.90	+11 1.8	1.708	2.679	7.3	19.7
9 18	23 40.92	+ 9 58.8	1.685	2.676	4.4	19.6
9 28	23 33.95	+ 8 42.9	1.688	2.674	4.8	19.6
10 8	23 27.89	+ 7 21.8	1.718	2.672	7.9	19.8
10 18	23 23.48	+ 6 3.3	1.773	2.671	11.4	20.0

165044 2000 EO_{8} 9 17.6 264°.35 0°.1/17.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 59.81	+ 0 49.2	3.234	4.029	10.0	20.5
8 19	23 56.62	+ 0 25.2	3.135	4.021	7.9	20.4
8 29	23 52.19	− 0 7.5	3.060	4.012	5.5	20.2
9 8	23 46.84	− 0 46.8	3.011	4.004	2.8	20.0
9 18	23 40.97	− 1 29.8	2.991	3.996	0.1	19.7
9 28	23 35.10	− 2 13.1	3.001	3.988	2.9	20.0
10 8	23 29.74	− 2 53.2	3.040	3.979	5.6	20.2
10 18	23 25.32	− 3 27.1	3.106	3.971	8.1	20.3

483984 2006 BO_{282} 9 17.6 231°.89 0°.3/17.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.99	− 1 20.6	2.608	3.410	11.9	22.0
8 19	0 0.99	− 1 35.4	2.512	3.403	9.4	21.8
8 29	23 55.35	− 1 59.0	2.440	3.396	6.5	21.6
9 8	23 48.48	− 2 28.9	2.394	3.389	3.2	21.4
9 18	23 40.91	− 3 1.8	2.376	3.381	0.4	21.1
9 28	23 33.34	− 3 33.8	2.388	3.373	3.7	21.4
10 8	23 26.46	− 4 1.0	2.429	3.365	7.0	21.6
10 18	23 20.86	− 4 20.2	2.495	3.357	9.9	21.8

342426 2008 UA_{80} 9 17.6 25°.93 5°.4/14.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 11.47	−13 22.3	1.224	2.088	19.1	20.2
8 19	0 7.56	−13 38.0	1.175	2.099	15.0	20.0
8 29	0 0.50	−13 56.0	1.143	2.112	10.5	19.8
9 8	23 51.16	−14 8.8	1.133	2.125	6.5	19.6
9 18	23 40.80	−14 9.0	1.147	2.140	5.7	19.6
9 28	23 30.96	−13 51.5	1.186	2.156	9.0	19.8
10 8	23 22.99	−13 14.6	1.247	2.172	13.2	20.1
10 18	23 17.73	−12 19.8	1.330	2.189	17.0	20.4

180833 2005 GP_{53} 9 17.6 292°.11 4°.6/14.3 18

8 9	0 10.35	−10 35.6	1.424	2.276	17.6	20.0
8 19	0 6.69	−11 11.1	1.347	2.267	13.9	19.7
8 29	0 0.08	−11 54.0	1.290	2.258	9.7	19.5
9 8	23 51.11	−12 37.0	1.256	2.249	5.8	19.2
9 18	23 40.80	−13 11.9	1.246	2.240	5.1	19.2
9 28	23 30.55	−13 30.7	1.262	2.231	8.6	19.3
10 8	23 21.73	−13 28.9	1.301	2.222	13.0	19.6
10 18	23 15.39	−13 5.3	1.362	2.214	17.1	19.8

29315 1994 EV_5 9 17.6 261°.78 1°.6/16.2 18

8 9	0 8.91	− 5 45.9	2.049	2.871	14.1	18.8
8 19	0 4.51	− 5 56.5	1.964	2.867	11.1	18.6
8 29	23 58.00	− 6 14.5	1.900	2.862	7.6	18.4
9 8	23 49.87	− 6 36.2	1.862	2.858	3.8	18.2
9 18	23 40.86	− 6 57.3	1.851	2.854	1.8	18.0
9 28	23 31.90	− 7 13.2	1.869	2.849	5.2	18.3
10 8	23 23.92	− 7 19.9	1.914	2.845	8.9	18.5
10 18	23 17.65	− 7 15.1	1.984	2.840	12.3	18.7

47408 1999 XH_{130} 9 17.6 329°.76 2°.2/16.2 18

8 9	0 6.84	− 5 20.5	1.244	2.102	19.3	19.1
8 19	0 4.32	− 5 30.7	1.167	2.090	15.3	18.8
8 29	23 58.69	− 5 53.4	1.108	2.079	10.5	18.5
9 8	23 50.51	− 6 23.3	1.070	2.068	5.3	18.2
9 18	23 40.83	− 6 53.3	1.056	2.058	2.4	18.0
9 28	23 31.13	− 7 15.4	1.065	2.050	7.3	18.2
10 8	23 22.93	− 7 23.1	1.098	2.041	12.6	18.5
10 18	23 17.36	− 7 12.9	1.151	2.034	17.3	18.8

322759 2001 DW_{106} 9 17.6 162°.33 2°.7/20.7 18

8 9	0 5.97	+ 8 4.3	2.552	3.313	13.2	21.3
8 19	0 1.79	+ 8 16.9	2.460	3.315	10.9	21.1
8 29	23 55.91	+ 8 16.4	2.390	3.318	8.1	21.0
9 8	23 48.76	+ 8 3.4	2.344	3.320	5.2	20.8
9 18	23 40.91	+ 7 39.7	2.326	3.321	2.9	20.6
9 28	23 33.07	+ 7 8.5	2.337	3.323	3.7	20.7
10 8	23 25.97	+ 6 33.9	2.377	3.324	6.5	20.9
10 18	23 20.21	+ 6 0.3	2.444	3.325	9.3	21.1

159814 Saguaro 9 17.6 33°.45 8°.1/24.3 18

8 9	0 6.99	+15 54.7	1.333	2.107	22.5	18.8
8 19	0 4.03	+17 2.0	1.276	2.125	19.3	18.6
8 29	23 58.16	+17 41.7	1.234	2.144	15.5	18.5
9 8	23 50.07	+17 50.8	1.212	2.163	11.7	18.3
9 18	23 40.85	+17 29.4	1.211	2.184	8.8	18.2
9 28	23 31.89	+16 42.4	1.233	2.206	8.4	18.3
10 8	23 24.50	+15 39.0	1.279	2.228	10.6	18.4
10 18	23 19.60	+14 30.1	1.347	2.251	13.8	18.7

261845 2006 DO_{138} 9 17.6 247°.96 1°.8/15.4 17

8 9	0 3.57	− 5 37.0	2.568	3.388	11.6	21.5
8 19	23 59.93	− 6 13.7	2.475	3.377	9.1	21.3
8 29	23 54.66	− 6 57.9	2.405	3.367	6.2	21.1
9 8	23 48.15	− 7 46.0	2.361	3.357	3.1	20.9
9 18	23 40.94	− 8 33.5	2.346	3.346	2.0	20.8
9 28	23 33.73	− 9 15.8	2.360	3.335	4.7	21.0
10 8	23 27.20	− 9 48.6	2.402	3.324	7.8	21.2
10 18	23 21.94	−10 9.3	2.470	3.313	10.6	21.3

149036 2002 AM_{176} 9 17.6 91°.87 2°.1/19.9 18

8 9	0 6.19	+ 6 11.7	2.277	3.055	14.2	19.9
8 19	0 2.06	+ 6 13.9	2.200	3.069	11.5	19.8
8 29	23 56.12	+ 6 2.3	2.144	3.082	8.3	19.6
9 8	23 48.85	+ 5 38.2	2.113	3.096	5.0	19.4
9 18	23 40.92	+ 5 4.4	2.110	3.109	2.2	19.2
9 28	23 33.10	+ 4 25.0	2.135	3.123	3.7	19.4
10 8	23 26.17	+ 3 45.1	2.188	3.136	6.9	19.6
10 18	23 20.73	+ 3 9.0	2.267	3.149	10.0	19.8

218334 2004 BM_{73} 9 17.6 174°.68 3°.1/20.9 18

8 9	0 7.11	+ 8 47.0	2.264	3.028	14.6	20.8
8 19	0 2.94	+ 8 58.0	2.173	3.029	12.1	20.6
8 29	23 56.84	+ 8 53.9	2.103	3.031	9.1	20.4
9 8	23 49.28	+ 8 35.0	2.057	3.032	5.8	20.2
9 18	23 40.90	+ 8 3.3	2.037	3.032	3.3	20.1
9 28	23 32.53	+ 7 22.6	2.047	3.032	4.2	20.1
10 8	23 25.01	+ 6 38.1	2.084	3.032	7.2	20.3
10 18	23 19.01	+ 5 55.1	2.148	3.032	10.3	20.5

509842 2008 YX_{50} 9 17.6 190°.29 5°.4/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 5.94	−15 11.7	2.206	3.046	12.6	22.1
8 19	0 2.07	−16 31.1	2.134	3.045	9.9	21.9
8 29	23 56.25	−17 53.5	2.086	3.044	7.3	21.7
9 8	23 48.97	−19 11.9	2.065	3.042	5.5	21.6
9 18	23 40.92	−20 19.1	2.070	3.040	6.0	21.7
9 28	23 32.94	−21 9.1	2.104	3.038	8.2	21.8
10 8	23 25.88	−21 38.4	2.163	3.035	10.9	22.0
10 18	23 20.41	−21 46.1	2.244	3.032	13.4	22.1

420792 2013 GY_{117} 9 17.6 43°.56 0°.1/17.6 17

8 9	0 5.46	+ 1 46.1	1.022	1.878	22.6	21.1
8 19	0 3.31	+ 1 14.0	0.974	1.894	17.9	20.9
8 29	23 57.86	+ 0 17.9	0.942	1.910	12.3	20.6
9 8	23 49.96	− 0 56.0	0.931	1.928	6.1	20.3
9 18	23 40.88	− 2 17.7	0.941	1.946	0.3	20.0
9 28	23 32.25	− 3 34.8	0.975	1.964	6.5	20.5
10 8	23 25.51	− 4 36.6	1.031	1.984	12.1	20.9
10 18	23 21.58	− 5 16.9	1.108	2.003	16.9	21.2

147473 2004 CC_7 9 17.6 125°.88 0°.6/17.1 17

8 9	0 10.51	− 1 11.1	1.785	2.599	16.1	20.9
8 19	0 5.92	− 1 36.6	1.715	2.612	12.7	20.7
8 29	23 59.01	− 2 15.1	1.666	2.625	8.7	20.5
9 8	23 50.37	− 3 2.3	1.641	2.637	4.3	20.3
9 18	23 40.87	− 3 52.5	1.644	2.649	0.8	20.0
9 28	23 31.58	− 4 39.5	1.675	2.660	5.0	20.4
10 8	23 23.50	− 5 17.2	1.733	2.670	9.2	20.6
10 18	23 17.40	− 5 41.9	1.816	2.681	12.9	20.9

77464 2001 HV_{16} 9 17.6 294°.20 0°.1/17.5 18

8 9	0 3.29	+ 1 14.4	1.803	2.623	15.8	19.6
8 19	0 0.46	+ 0 39.7	1.716	2.615	12.6	19.4
8 29	23 55.44	− 0 11.4	1.649	2.608	8.7	19.2
9 8	23 48.68	− 1 15.2	1.606	2.601	4.4	18.9
9 18	23 40.94	− 2 26.0	1.589	2.594	0.3	18.5
9 28	23 33.19	− 3 36.3	1.599	2.586	4.9	18.9
10 8	23 26.42	− 4 38.7	1.637	2.579	9.2	19.1
10 18	23 21.43	− 5 27.4	1.698	2.573	13.1	19.4

447271 2005 UX_{426} 9 17.6 80°.81 0°.6/17.0 18

8 9	0 4.44	− 1 31.4	2.180	2.995	13.6	21.8
8 19	0 0.85	− 1 55.7	2.098	2.996	10.7	21.6
8 29	23 55.39	− 2 30.8	2.038	2.998	7.3	21.4
9 8	23 48.55	− 3 13.1	2.004	3.000	3.6	21.1
9 18	23 40.96	− 3 58.4	1.997	3.001	0.7	20.9
9 28	23 33.43	− 4 41.2	2.018	3.003	4.3	21.2
10 8	23 26.78	− 5 17.0	2.067	3.005	8.0	21.4
10 18	23 21.63	− 5 41.9	2.142	3.006	11.2	21.6

139088 2001 FD_{28} 9 17.6 180°.20 1°.8/15.9 18

8 9	0 9.99	− 4 3.6	1.877	2.697	15.2	21.2
8 19	0 5.55	− 4 42.0	1.797	2.699	11.9	21.0
8 29	23 58.81	− 5 31.6	1.738	2.700	8.1	20.7
9 8	23 50.33	− 6 27.6	1.704	2.700	4.0	20.5
9 18	23 40.89	− 7 23.7	1.698	2.700	2.1	20.3
9 28	23 31.54	− 8 13.3	1.720	2.699	5.7	20.6
10 8	23 23.28	− 8 50.6	1.769	2.697	9.7	20.8
10 18	23 16.91	− 9 12.4	1.843	2.695	13.3	21.1

436085 2009 SB_{180} 9 17.6 324°.59 0°.9/19.4 17

8 9	23 56.50	+ 4 31.7	4.344	5.115	8.0	21.5
8 19	23 53.71	+ 4 14.5	4.246	5.114	6.4	21.4
8 29	23 50.04	+ 3 49.8	4.172	5.113	4.6	21.2
9 8	23 45.73	+ 3 19.0	4.126	5.111	2.6	21.1
9 18	23 41.09	+ 2 43.8	4.108	5.110	0.9	21.0
9 28	23 36.45	+ 2 6.6	4.121	5.109	2.1	21.1
10 8	23 32.18	+ 1 29.8	4.163	5.108	4.0	21.2
10 18	23 28.58	+ 0 55.8	4.233	5.107	5.9	21.3

54353 2000 KH_{32} 9 17.6 159°.54 2°.4/20.0 18

8 9	0 6.50	+ 7 39.6	1.836	2.623	16.8	19.7
8 19	0 2.90	+ 7 26.3	1.753	2.626	13.7	19.5
8 29	23 57.05	+ 6 53.5	1.689	2.629	10.0	19.3
9 8	23 49.47	+ 6 2.9	1.649	2.632	6.0	19.1
9 18	23 40.95	+ 4 58.5	1.634	2.635	2.6	18.9
9 28	23 32.47	+ 3 46.7	1.648	2.637	4.4	19.0
10 8	23 25.05	+ 2 35.4	1.688	2.639	8.4	19.2
10 18	23 19.47	+ 1 31.5	1.754	2.640	12.1	19.5

506814 2007 RT_{59} 9 17.6 68°.81 0°.6/17.2 17

8 9	0 13.92	− 3 52.1	1.693	2.512	16.7	20.2
8 19	0 8.67	− 3 40.7	1.627	2.527	13.1	20.0
8 29	0 0.91	− 3 38.2	1.582	2.542	9.0	19.8
9 8	23 51.33	− 3 41.5	1.562	2.557	4.4	19.6
9 18	23 40.88	− 3 46.5	1.568	2.572	0.8	19.4
9 28	23 30.73	− 3 49.1	1.602	2.588	5.1	19.7
10 8	23 21.96	− 3 45.4	1.663	2.603	9.4	20.0
10 18	23 15.35	− 3 32.9	1.749	2.618	13.1	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
307899 2004 CZ_{54}			9 17.6 337°.18		0°.9/18.5 18	
	h m	° ′			°	m
8 9	0 4.36	+ 2 37.8	1.841	2.652	15.8	21.0
8 19	0 1.22	+ 2 25.2	1.756	2.649	12.7	20.8
8 29	23 55.91	+ 1 57.2	1.692	2.646	9.0	20.6
9 8	23 48.91	+ 1 16.4	1.652	2.644	4.8	20.3
9 18	23 40.98	+ 0 27.1	1.637	2.642	0.9	20.0
9 28	23 33.07	− 0 24.6	1.650	2.640	4.4	20.3
10 8	23 26.15	− 1 12.2	1.690	2.638	8.6	20.5
10 18	23 21.00	− 1 50.4	1.754	2.636	12.4	20.8
335479 2005 WA_{114}			9 17.6 272°.99		0°.1/17.7 18	
8 9	0 6.08	+ 1 0.4	1.713	2.532	16.5	21.8
8 19	0 2.94	+ 0 38.2	1.617	2.515	13.3	21.5
8 29	23 57.34	− 0 0.5	1.540	2.499	9.3	21.2
9 8	23 49.76	− 0 52.6	1.487	2.482	4.8	20.9
9 18	23 40.95	− 1 52.9	1.460	2.465	0.2	20.5
9 28	23 32.00	− 2 54.2	1.460	2.448	5.1	20.9
10 8	23 24.06	− 3 48.7	1.487	2.431	9.9	21.1
10 18	23 18.06	− 4 30.4	1.537	2.414	14.1	21.3
454840 2015 RS_{226}			9 17.6 306°.15		3°.2/14.1 18	
8 9	0 2.75	− 8 1.7	2.072	2.910	13.3	21.0
8 19	23 59.73	− 8 55.3	1.988	2.902	10.4	20.8
8 29	23 54.76	− 9 57.2	1.926	2.893	7.1	20.6
9 8	23 48.30	−11 1.9	1.890	2.884	4.0	20.4
9 18	23 41.01	−12 3.0	1.882	2.876	3.5	20.3
9 28	23 33.73	−12 54.2	1.900	2.868	6.4	20.5
10 8	23 27.32	−13 30.4	1.945	2.860	9.8	20.7
10 18	23 22.46	−13 48.9	2.014	2.852	12.9	20.9
55506 2001 UZ_{116}			9 17.6 70°.69		5°.8/13.0 18	
8 9	0 10.10	−13 31.0	1.525	2.377	16.6	18.9
8 19	0 5.97	−14 28.2	1.472	2.390	13.0	18.7
8 29	23 59.20	−15 29.1	1.439	2.403	9.2	18.5
9 8	23 50.51	−16 25.1	1.429	2.416	6.3	18.4
9 18	23 40.93	−17 7.8	1.445	2.429	6.2	18.4
9 28	23 31.71	−17 30.6	1.487	2.442	9.1	18.6
10 8	23 23.97	−17 30.8	1.553	2.455	12.6	18.9
10 18	23 18.51	−17 8.5	1.640	2.468	15.8	19.1
70000 1998 XX_{6}			9 17.6 22°.74		0°.2/17.5 18	
8 9	0 2.23	+ 0 5.3	1.883	2.706	15.1	19.2
8 19	23 59.38	− 0 19.1	1.810	2.712	11.9	19.0
8 29	23 54.51	− 0 56.8	1.759	2.720	8.2	18.8
9 8	23 48.16	− 1 44.2	1.732	2.727	4.1	18.5
9 18	23 41.02	− 2 36.1	1.731	2.736	0.3	18.2
9 28	23 34.01	− 3 26.5	1.758	2.745	4.5	18.6
10 8	23 27.99	− 4 9.4	1.811	2.754	8.4	18.9
10 18	23 23.63	− 4 40.6	1.888	2.764	11.9	19.1
78125 Salimbeni			9 17.6 350°.68		11°.1/26.2 18	
8 9	0 7.30	+21 0.2	1.552	2.281	21.6	18.7
8 19	0 4.46	+22 47.2	1.469	2.275	19.3	18.5
8 29	23 58.75	+24 11.4	1.401	2.270	16.6	18.3
9 8	23 50.62	+25 6.7	1.351	2.266	13.9	18.1
9 18	23 40.93	+25 28.4	1.322	2.262	11.8	18.0
9 28	23 31.01	+25 16.1	1.316	2.260	11.2	18.0
10 8	23 22.30	+24 35.2	1.332	2.258	12.4	18.0
10 18	23 15.95	+23 34.8	1.370	2.258	14.8	18.2
282953 2007 RN_{200}			9 17.6 2°.74		0°.9/18.4 18	
8 9	0 3.71	+ 1 17.3	1.371	2.209	18.9	19.9
8 19	0 1.42	+ 1 22.9	1.299	2.208	15.1	19.6
8 29	23 56.41	+ 1 11.7	1.245	2.207	10.7	19.4
9 8	23 49.29	+ 0 46.2	1.213	2.208	5.6	19.1
9 18	23 40.99	+ 0 11.4	1.205	2.210	1.0	18.8
9 28	23 32.79	− 0 26.0	1.222	2.213	5.3	19.1
10 8	23 25.94	− 0 58.5	1.263	2.216	10.2	19.4
10 18	23 21.35	− 1 20.2	1.326	2.221	14.6	19.7
144661 2004 FU_{117}			9 17.6 275°.97		1°.3/16.4 18	
8 9	0 6.31	− 3 39.9	1.976	2.800	14.4	20.2
8 19	0 2.59	− 4 2.4	1.892	2.796	11.4	20.0
8 29	23 56.76	− 4 35.1	1.829	2.792	7.8	19.8
9 8	23 49.32	− 5 14.0	1.791	2.787	3.8	19.5
9 18	23 40.99	− 5 54.2	1.780	2.783	1.5	19.4
9 28	23 32.70	− 6 30.1	1.797	2.779	5.1	19.6
10 8	23 25.37	− 6 56.6	1.841	2.775	9.0	19.8
10 18	23 19.75	− 7 10.6	1.909	2.771	12.5	20.1
202989 1999 VP_{78}			9 17.6 300°.96		0°.0/17.7 18	
8 9	0 6.27	− 0 30.1	1.681	2.505	16.5	20.2
8 19	0 3.21	− 0 35.2	1.580	2.483	13.3	19.9
8 29	23 57.63	− 0 54.2	1.500	2.460	9.3	19.7
9 8	23 49.96	− 1 24.3	1.442	2.438	4.8	19.3
9 18	23 40.97	− 2 1.3	1.410	2.415	0.2	18.9
9 28	23 31.77	− 2 38.9	1.405	2.393	5.2	19.3
10 8	23 23.55	− 3 10.5	1.426	2.371	10.1	19.5
10 18	23 17.32	− 3 30.9	1.469	2.350	14.4	19.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
148225 2000 DB_{78}			9 17.6 283°.76		1°.2/18.5 18	
	h m	° ′			°	m
8 9	0 9.36	+ 1 29.7	1.565	2.382	17.9	20.1
8 19	0 5.75	+ 1 40.8	1.475	2.371	14.5	19.8
8 29	23 59.42	+ 1 37.1	1.404	2.359	10.3	19.6
9 8	23 50.86	+ 1 20.2	1.355	2.348	5.6	19.3
9 18	23 40.95	+ 0 53.8	1.332	2.336	1.2	18.9
9 28	23 30.92	+ 0 23.6	1.335	2.325	5.1	19.2
10 8	23 22.08	− 0 4.0	1.364	2.313	10.1	19.4
10 18	23 15.46	− 0 23.3	1.416	2.302	14.5	19.7
2267 Agassiz			9 17.6 68°.16		0°.8/18.2 18	
8 9	0 10.15	+ 1 57.1	1.263	2.094	20.6	16.7
8 19	0 6.50	+ 1 48.6	1.206	2.110	16.4	16.5
8 29	23 59.85	+ 1 20.7	1.166	2.126	11.4	16.3
9 8	23 50.95	+ 0 37.0	1.148	2.142	6.0	16.0
9 18	23 40.95	− 0 15.7	1.153	2.158	0.8	15.7
9 28	23 31.30	− 1 9.0	1.185	2.174	5.6	16.1
10 8	23 23.34	− 1 54.3	1.240	2.191	10.7	16.4
10 18	23 17.96	− 2 25.8	1.318	2.207	15.2	16.8
228998 2003 WJ_{112}			9 17.6 301°.72		4°.2/22.4 18	
8 9	0 2.83	+12 39.9	2.356	3.105	14.5	20.3
8 19	23 59.68	+12 56.5	2.252	3.093	12.3	20.1
8 29	23 54.70	+12 56.4	2.168	3.081	9.6	20.0
9 8	23 48.30	+12 39.3	2.108	3.069	6.8	19.8
9 18	23 41.05	+12 6.3	2.073	3.058	4.6	19.6
9 28	23 33.71	+11 20.4	2.066	3.046	4.7	19.6
10 8	23 27.07	+10 26.9	2.086	3.035	7.1	19.7
10 18	23 21.83	+ 9 31.6	2.132	3.023	10.1	19.9
441944 2010 KZ_{78}			9 17.6 50°.15		3°.6/13.9 18	
8 9	0 3.38	− 7 33.8	1.743	2.590	15.1	21.2
8 19	0 0.37	− 8 45.2	1.687	2.605	11.7	21.0
8 29	23 55.21	−10 5.5	1.653	2.621	7.9	20.8
9 8	23 48.50	−11 27.5	1.643	2.637	4.5	20.7
9 18	23 41.05	−12 43.0	1.660	2.654	4.1	20.7
9 28	23 33.82	−13 44.5	1.704	2.671	7.1	20.9
10 8	23 27.74	−14 27.0	1.773	2.688	10.6	21.2
10 18	23 23.46	−14 48.5	1.865	2.705	13.7	21.4
260674 2005 JJ_{42}			9 17.6 276°.43		3°.1/15.2 18	
8 9	0 7.90	− 6 11.2	1.485	2.330	17.3	20.9
8 19	0 4.69	− 6 51.4	1.403	2.319	13.7	20.6
8 29	23 58.71	− 7 44.0	1.340	2.308	9.4	20.4
9 8	23 50.49	− 8 42.8	1.301	2.297	4.9	20.1
9 18	23 40.97	− 9 39.8	1.287	2.286	3.4	20.0
9 28	23 31.41	−10 26.3	1.299	2.275	7.4	20.2
10 8	23 23.14	−10 55.6	1.335	2.264	12.1	20.4
10 18	23 17.15	−11 4.0	1.393	2.254	16.3	20.7
24905 1997 CO_{1}			9 17.6 149°.82		0°.7/18.3 18	
8 9	0 9.61	+ 2 30.4	1.864	2.664	16.1	19.1
8 19	0 5.23	+ 2 10.4	1.786	2.673	12.8	18.8
8 29	23 58.58	+ 1 35.1	1.729	2.680	9.0	18.6
9 8	23 50.24	+ 0 47.4	1.695	2.688	4.7	18.4
9 18	23 40.98	− 0 7.8	1.690	2.694	0.7	18.1
9 28	23 31.85	− 1 4.2	1.712	2.700	4.4	18.4
10 8	23 23.83	− 1 55.2	1.762	2.705	8.6	18.7
10 18	23 17.68	− 2 35.7	1.837	2.710	12.3	18.9
519595 2012 TT_{328}			9 17.6 258°.92		6°.7/11.5 18	
8 9	0 10.57	−18 21.6	1.906	2.747	14.2	21.9
8 19	0 6.17	−19 17.8	1.827	2.736	11.4	21.7
8 29	23 59.36	−20 14.5	1.770	2.724	8.7	21.5
9 8	23 50.68	−21 3.8	1.738	2.712	6.8	21.4
9 18	23 40.97	−21 38.3	1.732	2.699	7.2	21.4
9 28	23 31.31	−21 51.9	1.752	2.686	9.6	21.5
10 8	23 22.80	−21 42.0	1.797	2.674	12.6	21.7
10 18	23 16.26	−21 9.2	1.864	2.661	15.4	21.8
176287 2001 SQ_{38}			9 17.6 351°.72		4°.0/14.7 18	
8 9	0 8.63	−11 21.0	1.612	2.460	16.0	19.5
8 19	0 4.89	−11 38.1	1.538	2.456	12.6	19.2
8 29	23 58.58	−11 59.5	1.485	2.452	8.8	19.0
9 8	23 50.30	−12 19.3	1.456	2.449	5.2	18.8
9 18	23 40.98	−12 31.4	1.452	2.446	4.4	18.7
9 28	23 31.80	−12 30.5	1.474	2.444	7.5	18.9
10 8	23 23.91	−12 13.3	1.521	2.443	11.4	19.2
10 18	23 18.17	−11 39.3	1.590	2.443	15.0	19.4
4325 Guest			9 17.6 181°.00		2°.7/14.8 18	
8 9	0 6.91	− 7 36.3	2.188	3.014	13.1	17.4
8 19	0 2.80	− 8 17.4	2.108	3.015	10.3	17.2
8 29	23 56.76	− 9 5.6	2.052	3.015	7.0	17.0
9 8	23 49.28	− 9 56.2	2.021	3.015	3.8	16.8
9 18	23 41.03	−10 43.6	2.018	3.015	2.9	16.7
9 28	23 32.86	−11 22.3	2.044	3.014	5.8	16.9
10 8	23 25.60	−11 48.3	2.096	3.013	9.1	17.1
10 18	23 19.91	−11 59.3	2.174	3.012	12.1	17.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
126979 2002 FJ_{26}			9 17.6 158°.14		3°.3/21.5 18	
	h m	° ′			°	m
8 9	0 5.59	+10 20.9	2.515	3.266	13.6	20.0
8 19	0 1.57	+10 32.6	2.424	3.270	11.3	19.8
8 29	23 55.83	+10 29.6	2.353	3.273	8.6	19.6
9 8	23 48.80	+10 12.4	2.307	3.275	5.8	19.5
9 18	23 41.05	+ 9 42.5	2.287	3.278	3.5	19.3
9 28	23 33.32	+ 9 3.3	2.297	3.280	4.0	19.4
10 8	23 26.34	+ 8 19.4	2.335	3.282	6.6	19.5
10 18	23 20.71	+ 7 35.6	2.400	3.284	9.4	19.7
310544 2001 DF_{66}			9 17.6 222°.64		1°.8/19.7 18	
8 9	0 6.22	+ 5 9.6	2.699	3.471	12.3	21.3
8 19	0 1.96	+ 5 14.7	2.598	3.464	10.0	21.1
8 29	23 56.07	+ 5 8.6	2.519	3.456	7.3	20.9
9 8	23 48.92	+ 4 52.4	2.465	3.448	4.3	20.7
9 18	23 41.05	+ 4 28.0	2.440	3.440	1.9	20.5
9 28	23 33.14	+ 3 58.6	2.444	3.432	3.3	20.6
10 8	23 25.90	+ 3 28.2	2.477	3.423	6.4	20.8
10 18	23 19.90	+ 3 0.5	2.538	3.414	9.3	21.0
404488 2013 HK_{20}			9 17.7 74°.03		5°.9/ 9.3 18	
8 9	0 2.65	−15 59.1	2.244	3.090	12.2	20.8
8 19	23 59.38	−17 56.3	2.196	3.109	9.6	20.7
8 29	23 54.34	−19 55.0	2.173	3.128	7.2	20.6
9 8	23 48.03	−21 46.8	2.177	3.147	6.0	20.5
9 18	23 41.09	−23 23.9	2.210	3.166	6.7	20.6
9 28	23 34.31	−24 40.3	2.270	3.185	8.7	20.8
10 8	23 28.44	−25 32.5	2.355	3.204	11.0	21.0
10 18	23 24.04	−26 0.5	2.462	3.223	13.1	21.2
509944 2009 RQ_{13}			9 17.7 358°.72		0°.4/17.9 17	
8 9	0 0.76	+ 0 23.5	1.061	1.926	21.3	20.7
8 19	23 59.82	+ 0 24.7	0.996	1.921	17.1	20.4
8 29	23 55.72	+ 0 5.6	0.948	1.918	12.0	20.1
9 8	23 49.10	− 0 30.0	0.919	1.916	6.2	19.8
9 18	23 41.04	− 1 15.7	0.912	1.916	0.4	19.4
9 28	23 33.10	− 2 2.0	0.927	1.918	6.3	19.8
10 8	23 26.77	− 2 39.2	0.964	1.921	12.0	20.2
10 18	23 23.12	− 3 0.7	1.020	1.926	17.0	20.5
400727 2009 SP_{179}			9 17.7 338°.49		2°.1/15.0 18	
8 9	23 59.70	− 2 49.5	2.050	2.882	13.7	20.5
8 19	23 57.35	− 4 5.7	1.967	2.878	10.7	20.3
8 29	23 53.14	− 5 35.6	1.907	2.874	7.2	20.1
9 8	23 47.52	− 7 13.6	1.873	2.870	3.6	19.9
9 18	23 41.12	− 8 52.1	1.866	2.866	2.4	19.8
9 28	23 34.73	−10 23.3	1.888	2.863	5.7	20.0
10 8	23 29.18	−11 40.1	1.937	2.860	9.3	20.2
10 18	23 25.11	−12 38.1	2.010	2.857	12.5	20.4
439662 2014 HT_{78}			9 17.7 227°.35		3°.3/14.2 18	
8 9	0 5.78	− 8 25.5	2.002	2.838	13.8	21.7
8 19	0 2.16	− 9 16.6	1.923	2.834	10.8	21.5
8 29	23 56.47	−10 15.5	1.866	2.831	7.4	21.3
9 8	23 49.19	−11 16.6	1.834	2.827	4.2	21.1
9 18	23 41.06	−12 13.4	1.829	2.823	3.7	21.0
9 28	23 32.99	−12 59.4	1.852	2.819	6.6	21.2
10 8	23 25.87	−13 29.8	1.901	2.815	10.0	21.4
10 18	23 20.44	−13 42.4	1.974	2.811	13.2	21.6
203327 2001 TU_{173}			9 17.7 44°.49		2°.0/16.4 17	
8 9	0 10.22	− 4 1.3	1.014	1.878	22.2	19.8
8 19	0 7.07	− 4 19.3	0.969	1.895	17.4	19.5
8 29	0 0.46	− 4 52.9	0.941	1.912	11.8	19.3
9 8	23 51.30	− 5 34.9	0.933	1.931	5.8	19.0
9 18	23 40.99	− 6 16.6	0.947	1.950	2.3	18.9
9 28	23 31.25	− 6 48.6	0.984	1.970	7.4	19.3
10 8	23 23.57	− 7 4.3	1.044	1.990	12.8	19.6
10 18	23 18.88	− 7 0.9	1.124	2.011	17.4	20.0
211243 2002 QJ_{30}			9 17.7 282°.85		2°.8/14.8 18	R
8 9	0 4.07	− 5 55.7	1.869	2.706	14.6	20.3
8 19	0 1.08	− 6 49.5	1.780	2.692	11.5	20.1
8 29	23 55.90	− 7 54.7	1.712	2.679	7.8	19.9
9 8	23 48.99	− 9 5.8	1.669	2.665	4.1	19.6
9 18	23 41.07	−10 15.6	1.654	2.652	3.2	19.5
9 28	23 33.10	−11 16.6	1.665	2.638	6.5	19.7
10 8	23 26.08	−12 2.4	1.702	2.625	10.4	19.9
10 18	23 20.80	−12 29.3	1.763	2.611	14.0	20.1
51175 2000 HV_{69}			9 17.7 246°.02		2°.2/20.0 18	
8 9	0 4.55	+ 6 59.5	2.075	2.859	15.2	19.5
8 19	0 1.19	+ 6 51.2	1.981	2.853	12.4	19.3
8 29	23 55.83	+ 6 26.1	1.908	2.847	9.1	19.1
9 8	23 48.90	+ 5 45.6	1.858	2.841	5.5	18.9
9 18	23 41.08	+ 4 52.8	1.835	2.835	2.4	18.6
9 28	23 33.22	+ 3 53.0	1.840	2.829	4.0	18.8
10 8	23 26.23	+ 2 52.6	1.873	2.823	7.7	19.0
10 18	23 20.82	+ 1 57.7	1.931	2.816	11.2	19.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
144086 2004 BF_{54}			9 17.7 299°.37		1°.1/18.4 18	
	h m	° ′			°	m
8 9	0 7.72	+ 1 33.8	1.422	2.250	18.9	20.2
8 19	0 4.77	+ 1 41.4	1.333	2.235	15.3	19.9
8 29	23 58.95	+ 1 32.3	1.262	2.221	10.9	19.6
9 8	23 50.72	+ 1 8.5	1.213	2.207	5.9	19.3
9 18	23 41.01	+ 0 34.0	1.189	2.193	1.1	18.9
9 28	23 31.14	− 0 4.5	1.189	2.179	5.5	19.2
10 8	23 22.52	− 0 39.4	1.214	2.166	10.8	19.5
10 18	23 16.27	− 1 4.2	1.262	2.153	15.5	19.7
512403 2016 PC_{61}			9 17.7 290°.65		11°.3/ 5.9 18	
8 9	0 9.28	−28 22.8	1.676	2.524	15.5	21.1
8 19	0 5.69	−30 5.8	1.616	2.513	13.4	20.9
8 29	23 59.31	−31 41.5	1.578	2.502	11.8	20.8
9 8	23 50.74	−32 58.4	1.563	2.491	11.4	20.8
9 18	23 41.01	−33 46.7	1.570	2.481	12.4	20.8
9 28	23 31.43	−33 59.9	1.600	2.470	14.4	20.9
10 8	23 23.27	−33 37.3	1.650	2.459	16.7	21.0
10 18	23 17.46	−32 42.1	1.717	2.449	19.0	21.2
286648 2002 ER_{66}			9 17.7 189°.61		0°.1/17.6 18	
8 9	0 12.29	− 0 52.3	1.640	2.456	17.3	21.4
8 19	0 7.79	− 0 58.9	1.558	2.455	13.8	21.2
8 29	0 0.63	− 1 19.0	1.497	2.455	9.6	21.0
9 8	23 51.40	− 1 49.2	1.459	2.453	4.8	20.7
9 18	23 41.01	− 2 24.7	1.447	2.452	0.3	20.3
9 28	23 30.67	− 2 59.3	1.463	2.449	5.3	20.7
10 8	23 21.59	− 3 26.7	1.505	2.447	10.0	21.0
10 18	23 14.71	− 3 42.7	1.571	2.444	14.1	21.2
217271 2003 YK_{147}			9 17.7 314°.30		4°.5/20.8 18	
8 9	0 8.60	+ 7 43.2	1.672	2.461	18.0	19.7
8 19	0 5.13	+ 8 33.9	1.574	2.445	15.1	19.5
8 29	23 59.03	+ 9 9.4	1.495	2.429	11.5	19.2
9 8	23 50.73	+ 9 28.1	1.437	2.413	7.7	19.0
9 18	23 41.03	+ 9 30.0	1.405	2.398	4.7	18.7
9 28	23 31.10	+ 9 17.7	1.398	2.383	5.8	18.8
10 8	23 22.20	+ 8 56.5	1.418	2.369	9.5	19.0
10 18	23 15.38	+ 8 32.9	1.461	2.355	13.6	19.2
458099 2010 BZ_{105}			9 17.7 53°.53		11°.7/ 2.9 17	
8 9	0 11.80	+33 37.9	2.308	2.890	18.5	20.8
8 19	0 7.19	+35 22.1	2.234	2.905	17.1	20.7
8 29	0 0.16	+36 43.0	2.174	2.921	15.5	20.6
9 8	23 51.17	+37 35.6	2.133	2.937	13.9	20.5
9 18	23 41.02	+37 56.2	2.111	2.953	12.6	20.4
9 28	23 30.77	+37 44.2	2.110	2.970	11.8	20.4
10 8	23 21.54	+37 3.5	2.133	2.986	11.8	20.4
10 18	23 14.24	+36 0.8	2.178	3.003	12.5	20.5
102777 1999 VH_{145}			9 17.7 1°.97		4°.9/15.0 18	
8 9	0 11.87	−13 15.6	1.258	2.119	18.9	18.4
8 19	0 8.12	−13 14.4	1.193	2.117	15.0	18.1
8 29	0 1.15	−13 14.9	1.148	2.116	10.5	17.9
9 8	23 51.71	−13 10.4	1.123	2.116	6.3	17.7
9 18	23 41.01	−12 54.4	1.123	2.118	5.2	17.6
9 28	23 30.61	−12 22.1	1.147	2.121	8.7	17.8
10 8	23 21.96	−11 32.1	1.195	2.125	13.1	18.1
10 18	23 16.06	−10 25.8	1.263	2.130	17.2	18.4
315093 2007 DK_{91}			9 17.7 143°.26		1°.9/15.3 18	
8 9	0 2.28	− 3 56.7	2.338	3.160	12.5	21.4
8 19	23 59.06	− 4 55.6	2.258	3.163	9.7	21.2
8 29	23 54.16	− 6 4.6	2.202	3.166	6.6	21.0
9 8	23 47.99	− 7 18.9	2.172	3.168	3.3	20.8
9 18	23 41.15	− 8 32.8	2.170	3.171	2.1	20.7
9 28	23 34.38	− 9 40.2	2.198	3.173	5.0	20.9
10 8	23 28.38	−10 36.1	2.253	3.175	8.2	21.1
10 18	23 23.75	−11 17.0	2.333	3.177	11.2	21.3
354323 2002 VC_{147}			9 17.7 1°.67		0°.5/17.2 18	
8 9	0 4.40	− 0 47.5	1.713	2.541	16.1	20.5
8 19	0 1.41	− 1 9.3	1.635	2.540	12.8	20.2
8 29	23 56.14	− 1 45.1	1.578	2.540	8.8	20.0
9 8	23 49.12	− 2 31.0	1.544	2.540	4.4	19.8
9 18	23 41.14	− 3 21.4	1.536	2.540	0.6	19.5
9 28	23 33.23	− 4 9.7	1.555	2.541	5.0	19.8
10 8	23 26.41	− 4 49.4	1.599	2.542	9.4	20.1
10 18	23 21.46	− 5 16.1	1.668	2.544	13.2	20.3
401559 2013 FL_{3}			9 17.7 86°.21		5°.0/11.1 18	
8 9	0 4.01	−14 39.0	2.356	3.196	11.9	20.4
8 19	0 0.31	−16 4.6	2.305	3.217	9.3	20.3
8 29	23 54.92	−17 32.1	2.279	3.237	6.7	20.1
9 8	23 48.33	−18 54.7	2.279	3.257	5.1	20.1
9 18	23 41.17	−20 6.1	2.307	3.277	5.5	20.1
9 28	23 34.20	−21 0.8	2.363	3.296	7.5	20.3
10 8	23 28.12	−21 36.2	2.445	3.316	9.9	20.5
10 18	23 23.46	−21 51.4	2.550	3.335	12.1	20.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
61219 2000 ON_{12}			9 17.7 28°51		4°0/14.8 17	
	h m	° ′			°	m
8 9	0 1.45	− 4 29.6	0.909	1.794	22.3	18.7
8 19	0 0.50	− 5 40.2	0.868	1.808	17.3	18.5
8 29	23 56.14	− 7 9.5	0.844	1.822	11.6	18.2
9 8	23 49.24	− 8 46.0	0.840	1.839	6.0	18.0
9 18	23 41.14	−10 15.8	0.857	1.856	4.5	18.0
9 28	23 33.53	−11 25.5	0.895	1.875	9.2	18.3
10 8	23 27.87	−12 6.9	0.955	1.895	14.4	18.7
10 18	23 25.04	−12 18.1	1.033	1.916	18.8	19.0
19352 1997 EL			9 17.7 352°52		2°8/14.6 18	
8 9	0 0.22	− 4 42.5	1.818	2.661	14.7	16.2
8 19	23 58.02	− 5 52.8	1.741	2.658	11.4	16.0
8 29	23 53.75	− 7 15.9	1.687	2.655	7.7	15.8
9 8	23 47.90	− 8 45.6	1.657	2.653	4.0	15.6
9 18	23 41.19	−10 13.8	1.653	2.651	3.2	15.5
9 28	23 34.53	−11 32.2	1.677	2.650	6.5	15.7
10 8	23 28.83	−12 33.9	1.727	2.650	10.3	16.0
10 18	23 24.80	−13 15.1	1.799	2.649	13.7	16.2
429969 2013 AU_{32}			9 17.7 334°19		1°6/20.7 18	
8 9	23 58.09	+ 7 26.0	4.322	5.075	8.3	20.8
8 19	23 54.99	+ 7 24.7	4.222	5.073	6.8	20.7
8 29	23 50.97	+ 7 15.5	4.145	5.072	5.0	20.5
9 8	23 46.29	+ 6 59.1	4.095	5.071	3.2	20.4
9 18	23 41.26	+ 6 37.0	4.074	5.070	1.7	20.3
9 28	23 36.22	+ 6 10.9	4.083	5.069	2.2	20.3
10 8	23 31.55	+ 5 43.3	4.121	5.068	4.0	20.5
10 18	23 27.58	+ 5 16.5	4.188	5.067	5.8	20.6
2956 Yeomans			9 17.7 106°59		1°4/16.3 18	
8 9	0 5.80	− 2 55.5	2.009	2.831	14.3	16.9
8 19	0 2.06	− 3 34.1	1.937	2.839	11.2	16.7
8 29	23 56.33	− 4 23.7	1.886	2.848	7.6	16.5
9 8	23 49.12	− 5 19.8	1.860	2.857	3.7	16.3
9 18	23 41.16	− 6 16.7	1.862	2.865	1.5	16.1
9 28	23 33.33	− 7 8.3	1.892	2.873	5.0	16.4
10 8	23 26.49	− 7 49.3	1.950	2.882	8.7	16.6
10 18	23 21.30	− 8 16.4	2.032	2.890	12.0	16.9
296738 2009 TO_{25}			9 17.7 298°35		3°1/24.7 17	
8 9	23 56.30	+17 49.0	4.412	5.101	9.0	20.3
8 19	23 53.64	+17 36.0	4.304	5.097	7.7	20.2
8 29	23 50.08	+17 11.2	4.217	5.094	6.2	20.0
9 8	23 45.85	+16 35.1	4.155	5.090	4.7	19.9
9 18	23 41.27	+15 48.8	4.120	5.087	3.4	19.8
9 28	23 36.70	+14 54.2	4.114	5.083	3.2	19.8
10 8	23 32.49	+13 54.3	4.138	5.080	4.2	19.9
10 18	23 28.96	+12 52.2	4.191	5.076	5.7	20.0
234001 1997 AQ_{20}			9 17.7 354°38		1°0/16.9 18	
8 9	23 55.00	− 0 34.0	1.061	1.937	20.5	18.7
8 19	23 55.27	− 1 1.8	0.994	1.927	16.3	18.4
8 29	23 52.61	− 1 51.6	0.944	1.919	11.2	18.1
9 8	23 47.59	− 2 57.9	0.914	1.913	5.5	17.8
9 18	23 41.21	− 4 11.7	0.905	1.909	1.2	17.5
9 28	23 34.87	− 5 21.2	0.918	1.907	6.9	17.8
10 8	23 30.00	− 6 15.5	0.952	1.907	12.5	18.1
10 18	23 27.62	− 6 47.5	1.006	1.910	17.4	18.4
52286 1990 QT_{1}			9 17.7 11°66		2°1/16.1 18	
8 9	23 59.13	− 2 36.5	1.002	1.880	21.2	17.6
8 19	23 58.55	− 3 14.0	0.949	1.884	16.7	17.4
8 29	23 54.81	− 4 11.2	0.913	1.889	11.3	17.1
9 8	23 48.63	− 5 20.3	0.897	1.896	5.5	16.8
9 18	23 41.18	− 6 30.9	0.902	1.905	2.4	16.6
9 28	23 34.01	− 7 31.2	0.929	1.916	7.6	17.0
10 8	23 28.54	− 8 11.8	0.978	1.928	13.0	17.3
10 18	23 25.71	− 8 28.5	1.046	1.942	17.7	17.7
58019 2002 UV_{40}			9 17.7 295°99		1°0/18.6 18	
8 9	0 5.16	+ 2 37.8	1.911	2.718	15.5	19.7
8 19	0 1.87	+ 2 29.8	1.820	2.710	12.5	19.5
8 29	23 56.42	+ 2 7.2	1.750	2.702	8.8	19.3
9 8	23 49.28	+ 1 32.1	1.703	2.695	4.8	19.0
9 18	23 41.16	+ 0 48.4	1.683	2.687	1.0	18.7
9 28	23 33.01	+ 0 1.6	1.691	2.680	4.3	19.0
10 8	23 25.80	− 0 42.0	1.725	2.673	8.5	19.2
10 18	23 20.30	− 1 17.3	1.784	2.666	12.2	19.4
213183 2000 ST_{217}			9 17.7 345°83		4°2/14.2 18	
8 9	23 57.73	− 4 26.5	1.036	1.918	20.4	19.0
8 19	23 57.57	− 5 44.1	0.970	1.909	16.0	18.7
8 29	23 54.29	− 7 23.8	0.922	1.900	10.9	18.4
9 8	23 48.47	− 9 15.7	0.895	1.893	5.8	18.1
9 18	23 41.18	−11 5.7	0.889	1.888	4.9	18.0
9 28	23 33.95	−12 38.6	0.906	1.883	9.6	18.3
10 8	23 28.28	−13 43.0	0.943	1.880	15.0	18.6
10 18	23 25.26	−14 13.6	0.999	1.878	19.7	18.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
441380 2008 EE_{94}			9 17.7 347°09		2°5/15.6 18	
	h m	° ′			°	m
8 9	0 7.90	− 7 40.7	1.842	2.677	14.9	20.2
8 19	0 4.01	− 7 56.7	1.764	2.674	11.7	20.0
8 29	23 57.85	− 8 19.6	1.706	2.671	8.0	19.8
9 8	23 49.96	− 8 44.8	1.673	2.669	4.2	19.5
9 18	23 41.15	− 9 7.1	1.667	2.667	2.7	19.4
9 28	23 32.42	− 9 21.2	1.688	2.665	6.0	19.6
10 8	23 24.79	− 9 23.5	1.735	2.664	9.8	19.9
10 18	23 19.01	− 9 11.8	1.806	2.663	13.3	20.1
205525 2001 SA_{114}			9 17.7 12°68		0°3/17.9 18	
8 9	0 9.19	− 1 21.9	1.046	1.903	22.1	20.2
8 19	0 6.56	− 1 1.6	0.984	1.904	17.7	19.9
8 29	0 0.43	− 0 57.6	0.939	1.907	12.4	19.6
9 8	23 51.52	− 1 6.7	0.913	1.910	6.3	19.3
9 18	23 41.09	− 1 23.6	0.910	1.915	0.3	18.9
9 28	23 30.89	− 1 40.9	0.929	1.920	6.5	19.4
10 8	23 22.57	− 1 51.1	0.971	1.926	12.3	19.7
10 18	23 17.26	− 1 49.2	1.033	1.933	17.4	20.0
315301 2007 TA_{174}			9 17.7 20°15		8°1/12.9 18	
8 9	0 7.37	−14 51.8	0.957	1.845	21.2	19.5
8 19	0 5.25	−15 50.4	0.913	1.851	16.8	19.2
8 29	23 59.48	−16 52.4	0.886	1.858	12.2	19.0
9 8	23 50.95	−17 45.3	0.878	1.867	8.7	18.9
9 18	23 41.12	−18 17.2	0.891	1.877	8.7	18.9
9 28	23 31.81	−18 19.8	0.926	1.888	12.1	19.1
10 8	23 24.63	−17 50.9	0.980	1.900	16.4	19.4
10 18	23 20.53	−16 53.7	1.052	1.913	20.4	19.7
449393 2013 GF_{112}			9 17.7 86°72		7°2/10.7 18	
8 9	0 13.35	−24 49.9	2.312	3.137	12.6	20.4
8 19	0 7.68	−25 30.1	2.254	3.145	10.4	20.3
8 29	23 59.99	−26 4.2	2.219	3.153	8.4	20.2
9 8	23 50.87	−26 26.0	2.210	3.161	7.2	20.1
9 18	23 41.13	−26 30.5	2.227	3.169	7.6	20.2
9 28	23 31.69	−26 14.6	2.272	3.177	9.2	20.3
10 8	23 23.42	−25 38.1	2.342	3.185	11.3	20.5
10 18	23 16.93	−24 42.9	2.434	3.192	13.3	20.6
374904 2006 WV_{198}			9 17.7 251°04		2°0/15.9 18	
8 9	0 8.22	− 4 6.8	1.792	2.619	15.6	22.1
8 19	0 4.53	− 4 45.0	1.698	2.604	12.3	21.9
8 29	23 58.42	− 5 35.8	1.626	2.590	8.4	21.6
9 8	23 50.37	− 6 34.3	1.578	2.574	4.2	21.3
9 18	23 41.14	− 7 34.2	1.556	2.558	2.2	21.2
9 28	23 31.82	− 8 27.9	1.563	2.542	6.1	21.4
10 8	23 23.50	− 9 8.9	1.595	2.525	10.4	21.6
10 18	23 17.10	− 9 33.0	1.651	2.508	14.4	21.8
448656 2010 VX_{131}			9 17.7 35°87		5°7/12.8 18	
8 9	0 8.03	−15 34.3	1.739	2.588	15.0	20.3
8 19	0 4.06	−16 18.2	1.685	2.601	11.8	20.1
8 29	23 57.78	−17 2.9	1.653	2.614	8.5	20.0
9 8	23 49.85	−17 41.3	1.645	2.628	6.1	19.9
9 18	23 41.17	−18 6.7	1.663	2.643	6.1	19.9
9 28	23 32.81	−18 14.2	1.707	2.658	8.5	20.1
10 8	23 25.73	−18 1.8	1.775	2.673	11.6	20.3
10 18	23 20.64	−17 30.0	1.866	2.688	14.4	20.5
518595 2007 VT_{338}			9 17.7 53°43		3°9/14.2 18	
8 9	0 6.80	− 9 26.8	1.673	2.520	15.6	21.0
8 19	0 3.20	−10 16.4	1.615	2.532	12.2	20.8
8 29	23 57.27	−11 13.0	1.577	2.544	8.3	20.6
9 8	23 49.64	−12 9.7	1.563	2.556	4.9	20.4
9 18	23 41.18	−12 59.2	1.576	2.569	4.3	20.4
9 28	23 32.97	−13 34.7	1.615	2.582	7.3	20.6
10 8	23 26.02	−13 52.3	1.679	2.595	11.0	20.9
10 18	23 21.04	−13 50.5	1.766	2.609	14.2	21.1
189772 2002 CQ_{78}			9 17.7 264°78		0°4/18.5 18	R
8 9	23 58.33	+ 1 26.5	4.367	5.149	7.8	19.9
8 19	23 55.16	+ 1 17.4	4.271	5.147	6.2	19.8
8 29	23 51.08	+ 1 2.2	4.199	5.146	4.3	19.7
9 8	23 46.37	+ 0 42.4	4.154	5.144	2.3	19.5
9 18	23 41.30	+ 0 19.5	4.138	5.142	0.4	19.3
9 28	23 36.24	− 0 4.3	4.153	5.140	2.1	19.5
10 8	23 31.55	− 0 26.9	4.197	5.139	4.1	19.6
10 18	23 27.54	− 0 46.3	4.270	5.137	6.0	19.8
189103 2001 SG_{28}			9 17.7 23°33		1°1/16.8 17	
8 9	0 3.13	− 1 10.3	1.162	2.020	20.3	20.0
8 19	0 1.28	− 1 40.4	1.106	2.029	16.0	19.7
8 29	23 56.46	− 2 29.2	1.068	2.038	10.9	19.5
9 8	23 49.40	− 3 30.6	1.051	2.049	5.3	19.2
9 18	23 41.20	− 4 35.7	1.057	2.061	1.3	19.0
9 28	23 33.28	− 5 34.5	1.087	2.074	6.5	19.4
10 8	23 26.97	− 6 18.4	1.139	2.088	11.7	19.7
10 18	23 23.15	− 6 42.6	1.213	2.102	16.2	20.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
401729 2013 JZ_{14}			9 17.7	60°30	4°5/22.5	18
	h m	° ′			°	m
8 9	0 4.52	+12 50.6	2.045	2.801	16.2	20.9
8 19	0 1.17	+13 3.7	1.963	2.808	13.6	20.7
8 29	23 55.81	+12 57.4	1.900	2.816	10.6	20.5
9 8	23 48.93	+12 31.7	1.859	2.823	7.4	20.3
9 18	23 41.22	+11 48.4	1.844	2.831	4.8	20.2
9 28	23 33.56	+10 52.0	1.857	2.838	5.0	20.2
10 8	23 26.85	+ 9 48.9	1.896	2.846	7.6	20.4
10 18	23 21.76	+ 8 46.0	1.961	2.854	10.7	20.6
348607 2005 XJ_{87}			9 17.7	273°60	5°9/10.7	18
8 9	0 5.11	−17 51.0	2.258	3.101	12.2	20.4
8 19	0 1.49	−18 57.4	2.183	3.093	9.8	20.2
8 29	23 55.96	−20 4.6	2.131	3.085	7.4	20.0
9 8	23 48.98	−21 6.0	2.105	3.077	6.0	19.9
9 18	23 41.22	−21 55.1	2.106	3.069	6.4	19.9
9 28	23 33.52	−22 26.6	2.134	3.061	8.5	20.1
10 8	23 26.69	−22 37.6	2.186	3.054	11.0	20.2
10 18	23 21.41	−22 27.7	2.261	3.046	13.4	20.4
383118 2005 SE_{279}			9 17.7	314°66	0°2/17.6	18
8 9	0 3.35	+ 0 7.4	1.370	2.212	18.6	21.5
8 19	0 1.49	− 0 6.9	1.278	2.190	15.0	21.2
8 29	23 56.82	− 0 39.6	1.204	2.169	10.6	20.9
9 8	23 49.77	− 1 27.6	1.151	2.148	5.4	20.5
9 18	23 41.19	− 2 24.9	1.122	2.127	0.3	20.1
9 28	23 32.39	− 3 23.0	1.118	2.107	6.0	20.4
10 8	23 24.76	− 4 12.6	1.138	2.088	11.5	20.7
10 18	23 19.45	− 4 46.6	1.179	2.070	16.4	20.9
510197 2011 CT_{52}			9 17.7	300°36	1°7/16.4	18
8 9	0 4.99	− 2 28.8	1.410	2.255	18.1	21.6
8 19	0 2.67	− 3 2.0	1.321	2.237	14.4	21.4
8 29	23 57.55	− 3 52.3	1.251	2.219	9.9	21.1
9 8	23 50.09	− 4 54.7	1.203	2.201	4.9	20.7
9 18	23 41.19	− 6 1.7	1.180	2.183	1.9	20.5
9 28	23 32.13	− 7 3.8	1.182	2.166	6.7	20.7
10 8	23 24.27	− 7 52.2	1.208	2.149	11.9	21.0
10 18	23 18.71	− 8 20.9	1.255	2.133	16.6	21.2
340451 2006 GQ_{40}			9 17.7	195°44	7°0/11.2	18
8 9	0 12.83	−20 31.4	2.012	2.846	13.8	20.3
8 19	0 7.73	−21 25.0	1.943	2.845	11.2	20.1
8 29	0 0.32	−22 16.3	1.896	2.843	8.7	20.0
9 8	23 51.18	−22 58.0	1.875	2.841	7.1	19.9
9 18	23 41.17	−23 23.2	1.880	2.839	7.5	19.9
9 28	23 31.34	−23 27.1	1.912	2.837	9.5	20.0
10 8	23 22.71	−23 8.2	1.969	2.834	12.2	20.2
10 18	23 16.03	−22 27.7	2.048	2.830	14.7	20.3
436878 2012 TP_{24}			9 17.7	39°39	6°4/24.3	16
8 9	0 1.23	+17 57.7	1.331	2.104	22.6	20.2
8 19	23 59.51	+17 49.1	1.272	2.123	19.2	20.0
8 29	23 55.09	+17 5.9	1.229	2.143	15.2	19.8
9 8	23 48.66	+15 48.4	1.204	2.164	10.9	19.7
9 18	23 41.25	+14 1.1	1.202	2.186	7.2	19.5
9 28	23 34.11	+11 54.5	1.224	2.208	6.7	19.6
10 8	23 28.42	+ 9 42.2	1.272	2.231	9.5	19.8
10 18	23 24.97	+ 7 37.5	1.343	2.254	13.3	20.1
121946 2000 EO_{31}			9 17.7	313°94	2°5/15.7	18
8 9	0 12.43	−10 2.1	2.181	3.001	13.4	19.1
8 19	0 7.25	− 9 57.8	2.090	2.991	10.6	18.8
8 29	23 59.94	− 9 56.3	2.022	2.982	7.3	18.6
9 8	23 51.01	− 9 54.1	1.979	2.973	4.0	18.4
9 18	23 41.18	− 9 47.4	1.965	2.964	2.7	18.3
9 28	23 31.39	− 9 32.9	1.980	2.955	5.5	18.5
10 8	23 22.57	− 9 8.5	2.023	2.946	9.0	18.7
10 18	23 15.46	− 8 33.3	2.092	2.938	12.2	18.9
540 Rosamunde			9 17.7	172°30	1°7/19.3	18 R
8 9	0 7.64	+ 6 11.9	1.611	2.412	18.2	14.6
8 19	0 4.20	+ 5 46.2	1.530	2.414	14.7	14.4
8 29	23 58.22	+ 4 58.9	1.468	2.416	10.6	14.2
9 8	23 50.27	+ 3 52.5	1.429	2.417	6.0	13.9
9 18	23 41.20	+ 2 32.3	1.415	2.418	1.8	13.7
9 28	23 32.18	+ 1 6.9	1.429	2.419	4.8	13.9
10 8	23 24.37	− 0 14.4	1.469	2.419	9.4	14.1
10 18	23 18.65	− 1 23.7	1.533	2.419	13.6	14.4
346561 2008 UH_{357}			9 17.7	297°79	0°6/18.2	18
8 9	0 5.66	+ 1 21.7	1.666	2.486	16.8	21.9
8 19	0 2.77	+ 1 14.1	1.568	2.467	13.6	21.6
8 29	23 57.38	+ 0 50.8	1.490	2.448	9.6	21.3
9 8	23 49.94	+ 0 14.0	1.435	2.429	5.1	21.0
9 18	23 41.21	− 0 31.9	1.405	2.410	0.6	20.7
9 28	23 32.30	− 1 20.4	1.402	2.391	5.0	20.9
10 8	23 24.40	− 2 4.3	1.424	2.372	9.8	21.2
10 18	23 18.48	− 2 37.5	1.470	2.354	14.2	21.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
236963 2007 UF_{105}			9 17.7	83°43	0°8/18.5	18
	h m	° ′			°	m
8 9	0 4.31	+ 3 42.3	1.930	2.734	15.5	20.6
8 19	0 1.03	+ 3 12.8	1.854	2.742	12.4	20.4
8 29	23 55.72	+ 2 27.0	1.798	2.750	8.7	20.2
9 8	23 48.89	+ 1 28.2	1.767	2.759	4.6	19.9
9 18	23 41.26	+ 0 21.3	1.763	2.767	0.8	19.7
9 28	23 33.74	− 0 47.0	1.786	2.775	4.1	20.0
10 8	23 27.20	− 1 49.8	1.837	2.784	8.1	20.2
10 18	23 22.34	− 2 41.8	1.913	2.792	11.7	20.5
62698 2000 TO_{28}			9 17.7	139°49	1°6/15.8	18
8 9	0 2.45	− 2 33.4	2.158	2.981	13.4	19.5
8 19	23 59.40	− 3 30.0	2.078	2.982	10.5	19.3
8 29	23 54.53	− 4 38.6	2.019	2.982	7.1	19.1
9 8	23 48.28	− 5 54.2	1.987	2.983	3.5	18.9
9 18	23 41.30	− 7 11.0	1.982	2.984	1.8	18.8
9 28	23 34.36	− 8 22.2	2.006	2.984	5.0	19.0
10 8	23 28.26	− 9 22.0	2.057	2.985	8.6	19.2
10 18	23 23.62	−10 6.4	2.133	2.985	11.7	19.4
279560 2011 CF_{77}			9 17.7	172°69	1°2/18.8	17
8 9	0 9.67	+ 3 17.8	1.937	2.731	15.7	21.7
8 19	0 5.32	+ 3 9.0	1.852	2.734	12.7	21.5
8 29	23 58.75	+ 2 45.4	1.788	2.736	9.0	21.3
9 8	23 50.46	+ 2 9.1	1.748	2.738	4.9	21.0
9 18	23 41.23	+ 1 24.0	1.735	2.739	1.2	20.8
9 28	23 32.04	+ 0 35.7	1.751	2.740	4.3	21.0
10 8	23 23.89	− 0 9.6	1.795	2.740	8.4	21.2
10 18	23 17.55	− 0 46.8	1.863	2.740	12.0	21.5
205232 2000 QF_{115}			9 17.7	50°45	3°0/19.9	17
8 9	0 8.77	+ 6 14.3	1.140	1.967	22.6	19.7
8 19	0 5.75	+ 6 25.0	1.087	1.985	18.3	19.5
8 29	23 59.54	+ 6 10.8	1.051	2.003	13.3	19.3
9 8	23 50.96	+ 5 33.8	1.034	2.022	7.8	19.1
9 18	23 41.21	+ 4 39.5	1.040	2.042	3.2	18.9
9 28	23 31.86	+ 3 37.2	1.070	2.062	5.7	19.1
10 8	23 24.32	+ 2 37.2	1.124	2.082	10.7	19.4
10 18	23 19.50	+ 1 48.0	1.200	2.102	15.3	19.8
216364 2008 AC_{87}			9 17.7	303°87	0°9/16.8	18
8 9	0 4.83	− 2 0.1	1.899	2.723	14.9	20.7
8 19	0 1.60	− 2 27.5	1.814	2.717	11.8	20.5
8 29	23 56.24	− 3 7.3	1.749	2.712	8.1	20.2
9 8	23 49.22	− 3 55.5	1.710	2.706	4.0	20.0
9 18	23 41.27	− 4 46.8	1.696	2.700	1.1	19.8
9 28	23 33.33	− 5 34.9	1.711	2.695	5.0	20.0
10 8	23 26.35	− 6 14.0	1.751	2.689	9.1	20.3
10 18	23 21.08	− 6 39.9	1.816	2.684	12.7	20.5
222439 2001 QW_{46}			9 17.7	11°58	0°1/17.7	18
8 9	0 2.61	− 0 23.9	1.076	1.939	21.2	19.8
8 19	0 1.18	− 0 27.0	1.018	1.942	16.9	19.6
8 29	23 56.60	− 0 49.3	0.977	1.947	11.7	19.3
9 8	23 49.58	− 1 26.2	0.955	1.953	5.9	19.0
9 18	23 41.26	− 2 10.7	0.956	1.961	0.2	18.6
9 28	23 33.18	− 2 53.5	0.979	1.970	6.2	19.1
10 8	23 26.77	− 3 25.9	1.025	1.980	11.8	19.5
10 18	23 23.02	− 3 42.3	1.090	1.992	16.6	19.8
435222 2007 RR_{284}			9 17.7	54°00	0°8/18.3	16
8 9	0 15.07	− 0 5.8	1.467	2.284	18.9	20.6
8 19	0 9.75	+ 0 13.1	1.418	2.314	14.9	20.4
8 29	0 1.74	+ 0 18.3	1.389	2.345	10.4	20.2
9 8	23 51.86	+ 0 12.7	1.383	2.376	5.4	20.0
9 18	23 41.20	+ 0 0.2	1.403	2.407	0.8	19.8
9 28	23 31.07	− 0 13.9	1.449	2.438	4.9	20.2
10 8	23 22.59	− 0 24.3	1.522	2.470	9.4	20.5
10 18	23 16.51	− 0 27.3	1.619	2.501	13.3	20.8
375199 2008 EH_{40}			9 17.7	179°23	2°2/20.3	17
8 9	0 5.64	+11 31.7	1.963	2.726	16.6	21.2
8 19	0 2.19	+10 24.4	1.870	2.728	13.6	21.0
8 29	23 56.61	+ 8 51.3	1.797	2.729	10.0	20.8
9 8	23 49.40	+ 6 55.2	1.749	2.730	6.0	20.6
9 18	23 41.28	+ 4 42.1	1.729	2.730	2.4	20.3
9 28	23 33.20	+ 2 21.6	1.739	2.729	4.1	20.5
10 8	23 26.08	+ 0 4.7	1.779	2.728	8.2	20.7
10 18	23 20.68	− 1 59.0	1.846	2.725	12.0	20.9
513948 2014 DZ_{129}			9 17.7	298°07	2°1/15.5	18
8 9	0 2.55	− 2 29.1	1.687	2.524	15.9	21.6
8 19	0 0.14	− 3 33.6	1.602	2.515	12.5	21.4
8 29	23 55.42	− 4 54.5	1.539	2.506	8.5	21.1
9 8	23 48.89	− 6 25.9	1.500	2.497	4.2	20.8
9 18	23 41.30	− 7 59.5	1.487	2.488	2.5	20.7
9 28	23 33.69	− 9 25.8	1.501	2.479	6.4	20.9
10 8	23 27.10	−10 36.6	1.540	2.471	10.7	21.2
10 18	23 22.38	−11 26.6	1.603	2.462	14.6	21.4

115425 2003 SH_{310} 9 17.7 343°.05 2°.2/15.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 2.61	− 5 43.4	2.115	2.947	13.3	19.1
8 19	23 59.60	− 6 24.5	2.033	2.943	10.4	18.9
8 29	23 54.71	− 7 14.5	1.974	2.940	7.0	18.7
9 8	23 48.40	− 8 8.9	1.941	2.937	3.6	18.5
9 18	23 41.32	− 9 2.0	1.934	2.934	2.4	18.4
9 28	23 34.28	− 9 48.0	1.956	2.931	5.5	18.6
10 8	23 28.10	−10 22.2	2.004	2.929	8.9	18.8
10 18	23 23.42	−10 41.5	2.076	2.927	12.1	19.0

478872 2012 VY_{97} 9 17.7 329°.78 5°.6/14.3 18

8 9	0 14.08	−15 16.5	1.508	2.356	17.0	20.5
8 19	0 9.56	−15 29.7	1.431	2.346	13.6	20.2
8 29	0 2.08	−15 43.4	1.374	2.336	9.8	20.0
9 8	23 52.28	−15 50.4	1.340	2.328	6.5	19.8
9 18	23 41.21	−15 44.1	1.331	2.319	6.0	19.7
9 28	23 30.26	−15 19.3	1.348	2.312	9.0	19.9
10 8	23 20.81	−14 34.4	1.390	2.304	12.9	20.1
10 18	23 13.84	−13 30.6	1.453	2.298	16.6	20.3

453727 2011 BC_9 9 17.7 262°.20 1°.5/15.9 17

8 9	0 3.83	− 4 29.0	2.554	3.370	11.8	22.5
8 19	0 0.27	− 5 3.0	2.455	3.355	9.2	22.3
8 29	23 55.06	− 5 45.5	2.379	3.340	6.3	22.1
9 8	23 48.56	− 6 32.8	2.329	3.325	3.1	21.9
9 18	23 41.32	− 7 20.7	2.308	3.310	1.7	21.7
9 28	23 34.04	− 8 4.5	2.316	3.294	4.5	21.9
10 8	23 27.41	− 8 39.7	2.352	3.279	7.7	22.1
10 18	23 22.06	− 9 3.4	2.414	3.263	10.7	22.3

42013 2000 YL_{61} 9 17.7 270°.28 0°.8/16.9 18

8 9	0 5.14	− 0 43.3	1.793	2.616	15.7	19.3
8 19	0 1.96	− 1 18.2	1.711	2.614	12.4	19.1
8 29	23 56.54	− 2 7.7	1.650	2.611	8.5	18.9
9 8	23 49.40	− 3 7.4	1.613	2.609	4.2	18.6
9 18	23 41.30	− 4 11.5	1.602	2.607	0.9	18.3
9 28	23 33.22	− 5 12.6	1.619	2.604	5.1	18.7
10 8	23 26.18	− 6 4.1	1.662	2.602	9.4	18.9
10 18	23 20.96	− 6 41.1	1.729	2.599	13.2	19.1

326582 2002 QO_{90} 9 17.7 7°.20 4°.8/14.5 18

8 9	0 7.15	− 9 45.3	1.186	2.054	19.3	20.2
8 19	0 4.58	−10 23.3	1.125	2.054	15.2	20.0
8 29	23 58.86	−11 10.3	1.083	2.055	10.5	19.7
9 8	23 50.70	−11 57.9	1.062	2.057	6.1	19.5
9 18	23 41.26	−12 36.8	1.064	2.060	5.2	19.4
9 28	23 32.05	−12 58.2	1.089	2.063	9.1	19.7
10 8	23 24.53	−12 57.2	1.137	2.068	13.7	19.9
10 18	23 19.68	−12 33.1	1.205	2.073	17.8	20.2

160234 2002 JM_{23} 9 17.7 134°.81 2°.7/13.3 18

8 9	0 1.71	−12 20.6	3.594	4.417	8.5	20.7
8 19	23 57.97	−12 59.4	3.521	4.425	6.6	20.6
8 29	23 53.10	−13 40.1	3.474	4.434	4.6	20.4
9 8	23 47.43	−14 19.4	3.455	4.442	3.0	20.3
9 18	23 41.37	−14 54.1	3.465	4.450	2.9	20.3
9 28	23 35.38	−15 21.4	3.504	4.457	4.5	20.5
10 8	23 29.91	−15 39.0	3.572	4.465	6.4	20.6
10 18	23 25.35	−15 45.9	3.666	4.472	8.3	20.7

256550 2007 LV_{14} 9 17.7 246°.05 1°.1/15.3 18

8 9	23 57.45	− 7 1.3	4.797	5.607	6.7	20.9
8 19	23 54.42	− 7 25.5	4.701	5.599	5.2	20.7
8 29	23 50.58	− 7 52.8	4.631	5.592	3.5	20.6
9 8	23 46.16	− 8 21.3	4.589	5.584	1.8	20.5
9 18	23 41.41	− 8 49.0	4.577	5.576	1.2	20.4
9 28	23 36.67	− 9 13.8	4.596	5.568	2.7	20.5
10 8	23 32.26	− 9 33.9	4.643	5.560	4.5	20.7
10 18	23 28.45	− 9 47.8	4.718	5.552	6.1	20.8

405015 2001 DW_{23} 9 17.7 225°.14 3°.3/12.8 18

8 9	0 3.09	−10 26.2	2.894	3.720	10.3	21.5
8 19	23 59.49	−11 37.0	2.803	3.709	8.0	21.3
8 29	23 54.40	−12 53.4	2.736	3.698	5.6	21.2
9 8	23 48.20	−14 10.6	2.698	3.686	3.6	21.0
9 18	23 41.35	−15 23.4	2.688	3.673	3.7	21.0
9 28	23 34.47	−16 26.5	2.709	3.660	5.7	21.1
10 8	23 28.19	−17 16.1	2.757	3.647	8.2	21.3
10 18	23 23.02	−17 49.9	2.830	3.633	10.6	21.4

77000 2001 CU_2 9 17.7 243°.13 2°.0/16.1 18

8 9	0 9.13	− 4 13.1	1.530	2.366	17.3	19.8
8 19	0 5.55	− 4 43.3	1.451	2.362	13.7	19.6
8 29	23 59.27	− 5 26.3	1.393	2.358	9.4	19.3
9 8	23 50.87	− 6 17.0	1.357	2.354	4.7	19.0
9 18	23 41.27	− 7 8.4	1.347	2.350	2.2	18.9
9 28	23 31.71	− 7 52.5	1.364	2.345	6.5	19.1
10 8	23 23.44	− 8 22.8	1.406	2.341	11.1	19.4
10 18	23 17.40	− 8 35.6	1.470	2.336	15.3	19.6

441761 2009 CU_{34} 9 17.7 132°.86 2°.5/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 7.13	− 7 1.0	2.225	3.048	13.0	22.0
8 19	0 2.91	− 7 46.9	2.154	3.059	10.1	21.8
8 29	23 56.84	− 8 40.0	2.106	3.069	6.9	21.7
9 8	23 49.42	− 9 35.5	2.084	3.078	3.7	21.5
9 18	23 41.32	−10 27.7	2.090	3.088	2.8	21.4
9 28	23 33.35	−11 11.4	2.126	3.097	5.5	21.6
10 8	23 26.31	−11 42.4	2.188	3.105	8.7	21.9
10 18	23 20.81	−11 58.5	2.275	3.113	11.6	22.1

210642 2000 GL_{137} 9 17.7 179°.74 5°.8/11.2 18

8 9	0 11.23	−20 2.4	2.490	3.316	11.7	21.0
8 19	0 6.01	−20 53.4	2.420	3.318	9.5	20.8
8 29	23 58.92	−21 42.6	2.373	3.319	7.3	20.7
9 8	23 50.45	−22 24.1	2.353	3.319	5.9	20.6
9 18	23 41.30	−22 52.6	2.361	3.319	6.2	20.7
9 28	23 32.30	−23 4.0	2.397	3.318	8.0	20.8
10 8	23 24.23	−22 56.6	2.459	3.317	10.3	20.9
10 18	23 17.72	−22 30.9	2.544	3.315	12.5	21.1

57767 2001 VX_{37} 9 17.7 25°.32 0°.4/18.1 18

8 9	0 4.84	+ 1 19.0	1.938	2.749	15.1	19.8
8 19	0 1.51	+ 1 3.2	1.857	2.751	12.1	19.6
8 29	23 56.11	+ 0 33.7	1.797	2.753	8.4	19.4
9 8	23 49.15	− 0 6.6	1.762	2.755	4.4	19.1
9 18	23 41.34	− 0 53.2	1.753	2.758	0.4	18.8
9 28	23 33.59	− 1 40.5	1.772	2.761	4.3	19.1
10 8	23 26.81	− 2 22.5	1.818	2.763	8.3	19.4
10 18	23 21.71	− 2 54.7	1.889	2.766	11.8	19.6

260234 2004 RK_{282} 9 17.7 220°.28 0°.1/17.8 17

8 9	0 9.57	+ 0 52.7	1.453	2.277	18.7	21.8
8 19	0 6.08	+ 0 36.5	1.372	2.274	15.0	21.5
8 29	23 59.76	+ 0 2.6	1.311	2.271	10.5	21.2
9 8	23 51.17	− 0 45.5	1.272	2.267	5.4	20.9
9 18	23 41.28	− 1 41.9	1.258	2.263	0.2	20.5
9 28	23 31.39	− 2 38.5	1.270	2.259	5.6	20.9
10 8	23 22.84	− 3 26.9	1.308	2.254	10.7	21.2
10 18	23 16.64	− 4 1.0	1.368	2.249	15.2	21.5

433275 2013 AT_{93} 9 17.7 43°.59 1°.3/20.4 18

8 9	23 57.50	+ 6 42.5	4.495	5.252	8.0	20.8
8 19	23 54.53	+ 6 35.9	4.397	5.252	6.5	20.7
8 29	23 50.70	+ 6 21.6	4.323	5.253	4.7	20.6
9 8	23 46.24	+ 6 0.8	4.275	5.253	2.9	20.5
9 18	23 41.44	+ 5 34.8	4.255	5.253	1.4	20.3
9 28	23 36.65	+ 5 5.5	4.266	5.254	2.1	20.4
10 8	23 32.22	+ 4 35.3	4.307	5.254	3.8	20.5
10 18	23 28.43	+ 4 6.3	4.376	5.254	5.6	20.7

115316 2003 SK_{216} 9 17.7 330°.71 2°.6/20.5 18

8 9	0 3.19	+ 8 53.8	1.833	2.620	16.8	19.5
8 19	0 0.43	+ 8 33.6	1.746	2.619	13.8	19.3
8 29	23 55.51	+ 7 52.3	1.679	2.618	10.2	19.1
9 8	23 48.91	+ 6 51.4	1.635	2.617	6.2	18.8
9 18	23 41.36	+ 5 35.3	1.617	2.616	2.9	18.6
9 28	23 33.83	+ 4 10.7	1.626	2.615	4.3	18.7
10 8	23 27.28	+ 2 46.1	1.661	2.615	8.2	19.0
10 18	23 22.47	+ 1 29.3	1.722	2.614	12.0	19.2

59948 1999 RX_{213} 9 17.7 16°.71 2°.6/14.8 18

8 9	0 0.95	− 4 17.5	1.831	2.671	14.7	19.1
8 19	23 58.57	− 5 27.6	1.759	2.674	11.5	18.9
8 29	23 54.14	− 6 50.4	1.709	2.677	7.7	18.7
9 8	23 48.18	− 8 19.5	1.684	2.681	4.0	18.4
9 18	23 41.39	− 9 47.0	1.686	2.685	2.9	18.4
9 28	23 34.70	−11 4.8	1.716	2.690	6.3	18.6
10 8	23 28.99	−12 6.3	1.771	2.695	10.0	18.8
10 18	23 24.94	−12 47.8	1.849	2.700	13.3	19.1

429418 2010 UT_{10} 9 17.7 321°.79 3°.6/20.8 17

8 9	0 2.34	+ 9 29.2	1.319	2.133	20.8	21.6
8 19	0 0.72	+ 9 22.7	1.237	2.124	17.3	21.3
8 29	23 56.28	+ 8 48.3	1.171	2.116	13.0	21.0
9 8	23 49.52	+ 7 46.6	1.125	2.108	8.1	20.7
9 18	23 41.35	+ 6 21.8	1.102	2.101	3.9	20.5
9 28	23 33.11	+ 4 43.2	1.103	2.094	5.5	20.6
10 8	23 26.16	+ 3 3.1	1.129	2.088	10.4	20.8
10 18	23 21.58	+ 1 33.0	1.177	2.082	15.3	21.1

173839 2001 TH_{100} 9 17.7 149°.28 1°.5/16.3 18

8 9	0 8.94	− 5 23.5	2.191	3.007	13.4	20.2
8 19	0 4.43	− 5 38.4	2.110	3.010	10.6	20.0
8 29	23 57.96	− 6 0.5	2.052	3.013	7.2	19.8
9 8	23 50.04	− 6 26.4	2.020	3.016	3.6	19.6
9 18	23 41.35	− 6 51.7	2.016	3.018	1.7	19.4
9 28	23 32.75	− 7 12.1	2.040	3.021	4.8	19.7
10 8	23 25.09	− 7 23.9	2.093	3.023	8.3	19.9
10 18	23 19.02	− 7 24.7	2.171	3.025	11.5	20.1

59012 1998 SW_{71} 9 17.7 337°.54 1°.8/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	23 59.51	+ 8 12.8	2.061	2.850	15.1	18.8
8 19	23 57.30	+ 7 33.2	1.969	2.844	12.3	18.6
8 29	23 53.23	+ 6 33.6	1.897	2.839	9.0	18.4
9 8	23 47.73	+ 5 16.3	1.849	2.834	5.3	18.1
9 18	23 41.41	+ 3 45.8	1.827	2.829	2.0	17.9
9 28	23 35.09	+ 2 9.4	1.834	2.824	3.8	18.0
10 8	23 29.57	+ 0 34.9	1.869	2.820	7.6	18.3
10 18	23 25.54	− 0 50.3	1.929	2.817	11.1	18.5

264300 1998 YF_{15} 9 17.7 272°.21 3°.7/13.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.95	−11 16.5	2.449	3.284	11.6	20.9
8 19	23 59.65	−12 14.3	2.364	3.276	9.1	20.8
8 29	23 54.66	−13 17.3	2.304	3.267	6.4	20.6
9 8	23 48.38	−14 20.1	2.269	3.258	4.1	20.4
9 18	23 41.40	−15 17.1	2.263	3.249	4.1	20.4
9 28	23 34.42	−16 3.0	2.284	3.239	6.4	20.5
10 8	23 28.17	−16 33.9	2.333	3.230	9.2	20.7
10 18	23 23.26	−16 48.0	2.405	3.221	11.8	20.9

511358 2014 FW_{14} 9 17.7 218°.70 4°.5/13.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 14.01	−14 1.7	2.056	2.883	13.9	21.6
8 19	0 8.64	−14 27.9	1.974	2.877	11.0	21.4
8 29	0 1.00	−14 56.1	1.913	2.871	7.8	21.2
9 8	23 51.62	−15 20.4	1.879	2.865	5.1	21.0
9 18	23 41.31	−15 35.4	1.872	2.859	4.8	21.0
9 28	23 31.09	−15 36.4	1.894	2.852	7.3	21.1
10 8	23 21.97	−15 21.0	1.943	2.845	10.5	21.3
10 18	23 14.73	−14 49.2	2.016	2.837	13.5	21.5

178594 2000 AO_{242} 9 17.7 262°.98 14°.9/31.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.80	−24 8.1	1.112	1.996	19.2	19.9
8 19	0 3.60	−28 0.2	1.065	1.987	16.5	19.7
8 29	23 58.80	−31 52.2	1.040	1.978	15.0	19.6
9 8	23 50.98	−35 20.5	1.037	1.969	15.4	19.6
9 18	23 41.32	−38 3.7	1.056	1.959	17.6	19.7
9 28	23 31.65	−39 48.3	1.094	1.949	20.6	19.9
10 8	23 23.79	−40 32.6	1.148	1.940	23.6	20.0
10 18	23 19.07	−40 22.6	1.214	1.930	26.2	20.2

480433 2015 KS_{128} 9 17.7 35°.36 4°.4/22.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.87	+13 32.2	1.436	2.225	20.5	21.0
8 19	23 59.07	+13 10.9	1.370	2.239	17.1	20.8
8 29	23 54.77	+12 19.8	1.322	2.253	13.0	20.6
9 8	23 48.57	+11 0.5	1.294	2.268	8.6	20.4
9 18	23 41.41	+ 9 18.6	1.289	2.284	4.9	20.3
9 28	23 34.44	+ 7 23.7	1.311	2.300	5.3	20.3
10 8	23 28.76	+ 5 28.2	1.358	2.317	9.1	20.6
10 18	23 25.17	+ 3 42.8	1.428	2.334	13.1	20.9

512044 2015 MU_{79} 9 17.7 113°.21 1°.6/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.16	+ 5 32.3	1.978	2.771	15.5	21.6
8 19	0 1.73	+ 5 13.6	1.897	2.777	12.5	21.5
8 29	23 56.25	+ 4 38.2	1.837	2.782	9.0	21.2
9 8	23 49.24	+ 3 48.3	1.800	2.788	5.1	21.0
9 18	23 41.40	+ 2 48.0	1.791	2.793	1.7	20.8
9 28	23 33.63	+ 1 43.5	1.809	2.799	4.0	21.0
10 8	23 26.82	+ 0 41.5	1.855	2.804	7.9	21.2
10 18	23 21.67	− 0 12.2	1.926	2.809	11.4	21.5

66158 1998 UJ_{27} 9 17.7 336°.43 0°.0/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.76	+ 2 9.1	2.162	2.972	13.8	19.3
8 19	23 58.15	+ 1 24.6	2.075	2.968	11.0	19.1
8 29	23 53.74	+ 0 25.1	2.009	2.965	7.6	18.9
9 8	23 47.97	− 0 45.7	1.967	2.962	3.9	18.7
9 18	23 41.44	− 2 2.8	1.954	2.959	0.1	18.3
9 28	23 34.92	− 3 19.6	1.969	2.956	4.1	18.7
10 8	23 29.19	− 4 29.6	2.011	2.953	7.8	18.9
10 18	23 24.88	− 5 27.6	2.079	2.951	11.2	19.1

225121 2008 ES_{100} 9 17.7 355°.29 1°.4/18.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 27.34	− 6 12.4	0.948	1.794	24.7	19.4
8 19	0 21.85	− 4 29.4	0.878	1.791	20.1	19.1
8 29	0 11.70	− 2 46.6	0.825	1.788	14.3	18.8
9 8	23 57.59	− 1 4.1	0.792	1.787	7.6	18.4
9 18	23 41.16	+ 0 35.7	0.782	1.786	1.4	18.0
9 28	23 24.87	+ 2 10.2	0.796	1.786	7.5	18.4
10 8	23 11.14	+ 3 38.2	0.834	1.787	14.1	18.8
10 18	23 1.58	+ 5 0.2	0.893	1.789	19.8	19.1

178815 2001 FQ_{108} 9 17.7 65°.73 0°.7/17.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 10.97	− 1 58.3	1.395	2.229	18.8	19.8
8 19	0 7.00	− 2 7.9	1.334	2.241	14.9	19.6
8 29	0 0.21	− 2 31.6	1.291	2.254	10.2	19.4
9 8	23 51.31	− 3 4.9	1.270	2.267	5.1	19.1
9 18	23 41.35	− 3 41.7	1.275	2.279	0.8	18.9
9 28	23 31.67	− 4 14.9	1.306	2.292	5.8	19.2
10 8	23 23.54	− 4 38.2	1.361	2.305	10.6	19.6
10 18	23 17.81	− 4 47.8	1.440	2.319	14.8	19.8

8740 Václav 9 17.7 299°.79 0°.1/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 4.24	+ 1 5.8	2.075	2.884	14.3	17.9
8 19	0 0.93	+ 0 39.8	1.991	2.884	11.4	17.7
8 29	23 55.68	+ 0 0.4	1.928	2.884	7.9	17.5
9 8	23 48.95	− 0 49.3	1.889	2.883	4.0	17.2
9 18	23 41.41	− 1 44.6	1.878	2.883	0.1	16.9
9 28	23 33.91	− 2 39.7	1.895	2.883	4.2	17.3
10 8	23 27.29	− 3 28.9	1.940	2.882	8.0	17.5
10 18	23 22.23	− 4 7.6	2.009	2.882	11.5	17.7

407937 2012 CZ_{40} 9 17.7 187°.80 3°.6/22.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.60	+11 38.2	2.815	3.547	12.7	22.3
8 19	0 3.07	+12 1.7	2.716	3.547	10.7	22.2
8 29	23 56.91	+12 12.2	2.638	3.546	8.3	22.0
9 8	23 49.52	+12 9.3	2.584	3.544	5.8	21.9
9 18	23 41.42	+11 54.0	2.559	3.543	3.9	21.7
9 28	23 33.29	+11 28.4	2.562	3.541	4.1	21.8
10 8	23 25.80	+10 56.4	2.595	3.538	6.2	21.9
10 18	23 19.56	+10 22.1	2.655	3.536	8.7	22.1

261641 2005 YC_{68} 9 17.7 334°.41 7°.0/10.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.92	−17 36.1	1.834	2.691	14.0	20.2
8 19	0 0.30	−18 56.1	1.763	2.682	11.2	20.0
8 29	23 55.47	−20 18.1	1.714	2.672	8.6	19.8
9 8	23 48.92	−21 33.6	1.690	2.664	7.0	19.7
9 18	23 41.44	−22 34.1	1.691	2.655	7.7	19.7
9 28	23 34.01	−23 12.8	1.718	2.648	10.0	19.8
10 8	23 27.62	−23 26.1	1.768	2.640	12.9	20.0
10 18	23 23.03	−23 13.7	1.838	2.634	15.7	20.2

19575 Feeny 9 17.7 89°.51 2°.6/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 8.42	− 3 47.5	1.411	2.253	18.2	18.8
8 19	0 4.97	− 4 46.6	1.352	2.267	14.2	18.5
8 29	23 58.80	− 6 0.6	1.312	2.280	9.6	18.3
9 8	23 50.60	− 7 21.9	1.296	2.293	4.8	18.1
9 18	23 41.40	− 8 41.3	1.305	2.306	3.0	18.0
9 28	23 32.47	− 9 49.1	1.340	2.319	7.0	18.3
10 8	23 25.01	−10 38.1	1.400	2.331	11.5	18.6
10 18	23 19.85	−11 5.0	1.482	2.344	15.4	18.9

205184 2000 DC_4 9 17.7 137°.60 4°.9/11.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.78	−12 3.8	2.098	2.940	13.1	20.2
8 19	0 1.31	−13 34.9	2.033	2.946	10.2	20.0
8 29	23 55.90	−15 11.5	1.991	2.953	7.2	19.9
9 8	23 49.05	−16 46.3	1.975	2.959	5.1	19.8
9 18	23 41.44	−18 11.3	1.987	2.965	5.5	19.8
9 28	23 33.95	−19 19.5	2.027	2.971	7.9	20.0
10 8	23 27.39	−20 6.8	2.093	2.976	10.7	20.1
10 18	23 22.42	−20 31.5	2.181	2.981	13.4	20.3

137294 1999 RE_{215} 9 17.7 76°.09 0°.0/17.5 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 44.19	− 2 21.2	43.800	44.594	0.8	23.1
8 19	23 43.63	− 2 25.0	43.710	44.597	0.6	23.1
8 29	23 43.01	− 2 29.1	43.645	44.599	0.4	23.0
9 8	23 42.33	− 2 33.6	43.608	44.602	0.2	23.0
9 18	23 41.64	− 2 38.1	43.600	44.605	0.0	23.0
9 28	23 40.94	− 2 42.7	43.622	44.608	0.2	23.0
10 8	23 40.27	− 2 47.0	43.674	44.611	0.4	23.0
10 18	23 39.65	− 2 51.0	43.753	44.614	0.7	23.1

348121 2004 AB_{24} 9 17.7 258°.19 2°.9/14.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.79	− 7 1.9	1.954	2.788	14.2	21.2
8 19	0 2.32	− 7 47.8	1.872	2.783	11.1	21.0
8 29	23 56.74	− 8 42.7	1.813	2.778	7.6	20.8
9 8	23 49.54	− 9 41.2	1.778	2.773	4.1	20.5
9 18	23 41.44	−10 37.0	1.770	2.768	3.2	20.5
9 28	23 33.37	−11 23.4	1.791	2.763	6.3	20.7
10 8	23 26.26	−11 55.5	1.837	2.758	9.9	20.9
10 18	23 20.86	−12 10.4	1.907	2.752	13.2	21.1

68313 2001 FK_{118} 9 17.7 297°.59 4°.9/23.1 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.87	+14 11.8	2.252	2.994	15.3	19.2
8 19	0 0.69	+14 33.5	2.151	2.984	13.0	19.0
8 29	23 55.59	+14 37.3	2.069	2.974	10.3	18.8
9 8	23 48.97	+14 22.4	2.010	2.965	7.5	18.6
9 18	23 41.45	+13 49.4	1.976	2.955	5.3	18.5
9 28	23 33.83	+13 1.6	1.969	2.946	5.3	18.5
10 8	23 26.97	+12 4.2	1.989	2.937	7.5	18.6
10 18	23 21.59	+11 3.8	2.035	2.928	10.4	18.7

267958 2004 FK_{29} 9 17.7 285°.26 6°.3/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 20.66	+ 8 14.2	1.669	2.432	19.1	20.9
8 19	0 15.35	+ 9 43.0	1.549	2.401	16.3	20.6
8 29	0 6.74	+11 2.2	1.449	2.370	12.8	20.3
9 8	23 55.12	+12 8.2	1.372	2.339	9.1	20.0
9 18	23 41.28	+12 57.3	1.321	2.307	6.4	19.8
9 28	23 26.59	+13 27.9	1.298	2.274	7.5	19.8
10 8	23 12.75	+13 42.4	1.302	2.242	11.4	19.9
10 18	23 1.26	+13 46.2	1.330	2.209	15.8	20.1

181499 2006 UY_{11} 9 17.7 308.°60 0.°3/17.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 3.81	+ 0 17.8	1.964	2.781	14.8	21.3
8 19	0 0.76	− 0 12.4	1.878	2.776	11.7	21.1
8 29	23 55.66	− 0 56.5	1.813	2.772	8.1	20.9
9 8	23 49.00	− 1 50.9	1.773	2.768	4.1	20.6
9 18	23 41.46	− 2 50.7	1.760	2.764	0.4	20.3
9 28	23 33.92	− 3 49.3	1.774	2.760	4.5	20.6
10 8	23 27.30	− 4 40.5	1.815	2.757	8.6	20.9
10 18	23 22.30	− 5 19.6	1.881	2.753	12.1	21.1

166389 2002 NK_{8} 9 17.7 48.°00 4.°8/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.52	− 8 14.2	1.613	2.467	15.7	19.7
8 19	0 0.06	− 9 55.9	1.555	2.477	12.2	19.5
8 29	23 55.29	−11 48.2	1.518	2.488	8.4	19.3
9 8	23 48.81	−13 41.9	1.507	2.499	5.2	19.1
9 18	23 41.46	−15 26.3	1.522	2.510	5.4	19.2
9 28	23 34.30	−16 52.0	1.563	2.521	8.5	19.4
10 8	23 28.31	−17 52.7	1.629	2.533	12.0	19.6
10 18	23 24.22	−18 26.4	1.717	2.545	15.2	19.8

264070 2009 SP_{153} 9 17.7 268.°84 1.°0/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.04	+ 3 49.0	2.430	3.221	13.0	21.2
8 19	23 59.78	+ 3 31.2	2.331	3.211	10.5	21.0
8 29	23 54.80	+ 3 0.3	2.254	3.201	7.5	20.8
9 8	23 48.52	+ 2 18.3	2.202	3.191	4.1	20.6
9 18	23 41.48	+ 1 28.5	2.177	3.181	1.1	20.4
9 28	23 34.39	+ 0 35.5	2.182	3.171	3.5	20.5
10 8	23 28.00	− 0 15.4	2.214	3.161	7.0	20.7
10 18	23 22.91	− 0 59.8	2.273	3.150	10.1	20.9

515838 2015 NF_{19} 9 17.7 341.°74 5.°3/11.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 58.86	− 8 57.4	1.590	2.452	15.5	20.0
8 19	23 57.40	−10 46.0	1.516	2.444	12.1	19.8
8 29	23 53.64	−12 47.6	1.465	2.436	8.4	19.5
9 8	23 48.08	−14 52.5	1.438	2.429	5.6	19.4
9 18	23 41.49	−16 49.2	1.437	2.422	6.1	19.4
9 28	23 34.91	−18 26.6	1.463	2.417	9.4	19.6
10 8	23 29.40	−19 37.2	1.512	2.412	13.1	19.8
10 18	23 25.76	−20 17.9	1.581	2.407	16.4	20.0

337263 2000 SZ_{215} 9 17.7 319.°22 1.°5/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.76	+ 5 6.2	1.441	2.268	18.7	20.7
8 19	23 59.30	+ 4 46.7	1.349	2.249	15.3	20.5
8 29	23 55.25	+ 4 3.9	1.274	2.231	11.0	20.2
9 8	23 49.03	+ 2 59.8	1.221	2.213	6.2	19.8
9 18	23 41.46	+ 1 39.5	1.192	2.195	1.6	19.5
9 28	23 33.72	+ 0 12.2	1.187	2.179	5.2	19.7
10 8	23 27.07	− 1 11.5	1.208	2.163	10.4	19.9
10 18	23 22.55	− 2 22.2	1.250	2.148	15.2	20.2

392094 2009 DU_{109} 9 17.7 112.°95 2.°6/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.61	+ 7 44.6	2.222	2.991	14.7	21.3
8 19	0 3.36	+ 7 46.1	2.143	3.005	12.0	21.2
8 29	23 57.23	+ 7 32.3	2.086	3.018	8.9	21.0
9 8	23 49.70	+ 7 4.5	2.053	3.032	5.5	20.8
9 18	23 41.46	+ 6 25.2	2.047	3.044	2.7	20.7
9 28	23 33.32	+ 5 39.0	2.069	3.057	3.9	20.8
10 8	23 26.09	+ 4 51.2	2.120	3.069	7.0	21.0
10 18	23 20.42	+ 4 7.1	2.198	3.081	10.2	21.2

443049 2013 EK_{110} 9 17.7 21.°25 0.°2/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.43	+ 0 52.8	2.073	2.882	14.3	20.9
8 19	0 1.08	+ 0 32.9	1.990	2.883	11.4	20.7
8 29	23 55.79	+ 0 0.2	1.929	2.884	7.9	20.5
9 8	23 49.03	− 0 42.3	1.892	2.886	4.1	20.3
9 18	23 41.47	− 1 30.4	1.882	2.887	0.2	19.9
9 28	23 33.97	− 2 18.4	1.900	2.888	4.1	20.3
10 8	23 27.35	− 3 1.0	1.946	2.890	7.9	20.5
10 18	23 22.29	− 3 33.8	2.017	2.891	11.4	20.7

309038 2006 UL_{198} 9 17.7 147.°01 0.°4/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.93	+ 1 57.0	2.133	2.936	14.2	21.9
8 19	0 1.42	+ 1 34.9	2.049	2.938	11.3	21.7
8 29	23 55.99	+ 0 59.4	1.986	2.939	7.9	21.5
9 8	23 49.13	+ 0 13.4	1.948	2.941	4.1	21.3
9 18	23 41.48	− 0 39.0	1.938	2.943	0.4	21.0
9 28	23 33.88	− 1 32.2	1.956	2.944	4.0	21.3
10 8	23 27.15	− 2 20.5	2.001	2.945	7.7	21.5
10 18	23 21.95	− 2 59.6	2.073	2.947	11.1	21.7

26464 2000 AA_{138} 9 17.7 150.°64 2.°9/14.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.80	− 7 42.8	2.307	3.133	12.6	19.3
8 19	0 1.89	− 8 43.3	2.234	3.140	9.8	19.2
8 29	23 56.20	− 9 51.2	2.184	3.147	6.6	19.0
9 8	23 49.18	−11 1.0	2.160	3.153	3.7	18.8
9 18	23 41.49	−12 6.8	2.165	3.159	3.2	18.8
9 28	23 33.89	−13 2.7	2.199	3.164	5.8	19.0
10 8	23 27.15	−13 44.5	2.260	3.169	8.9	19.2
10 18	23 21.86	−14 9.9	2.346	3.174	11.7	19.4

344703 2003 TP_{13} 9 17.8 356.°66 6.°2/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 13.17	−16 6.3	1.351	2.208	18.1	19.2
8 19	0 9.09	−16 16.0	1.284	2.204	14.4	19.0
8 29	0 1.87	−16 24.9	1.237	2.200	10.5	18.7
9 8	23 52.26	−16 25.4	1.211	2.198	7.0	18.5
9 18	23 41.41	−16 10.7	1.210	2.197	6.5	18.5
9 28	23 30.83	−15 36.0	1.233	2.197	9.5	18.7
10 8	23 21.94	−14 40.5	1.280	2.199	13.5	18.9
10 18	23 15.71	−13 26.3	1.349	2.201	17.2	19.2

132549 2002 JW_{75} 9 17.8 203.°44 0.°6/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 9.16	− 1 38.9	2.060	2.869	14.4	20.7
8 19	0 4.86	− 1 56.4	1.972	2.866	11.5	20.5
8 29	23 58.45	− 2 24.9	1.905	2.862	7.9	20.2
9 8	23 50.42	− 3 1.2	1.863	2.858	3.9	20.0
9 18	23 41.47	− 3 40.8	1.849	2.854	0.6	19.7
9 28	23 32.53	− 4 18.5	1.864	2.849	4.6	20.0
10 8	23 24.54	− 4 49.1	1.907	2.844	8.5	20.3
10 18	23 18.23	− 5 9.0	1.974	2.838	12.0	20.5

327037 2004 RS_{346} 9 17.8 294.°40 6.°1/12.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 15.82	−20 25.4	2.233	3.056	13.0	20.4
8 19	0 10.14	−20 49.1	2.135	3.031	10.6	20.2
8 29	0 2.14	−21 10.0	2.060	3.005	8.2	20.0
9 8	23 52.31	−21 22.0	2.010	2.980	6.4	19.9
9 18	23 41.42	−21 19.3	1.988	2.954	6.5	19.8
9 28	23 30.50	−20 57.7	1.994	2.929	8.6	19.9
10 8	23 20.58	−20 16.0	2.027	2.903	11.4	20.0
10 18	23 12.49	−19 15.1	2.084	2.878	14.1	20.2

482588 2012 XP_{88} 9 17.8 310.°61 5.°0/22.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.26	+14 0.8	1.841	2.600	17.7	21.2
8 19	0 1.39	+14 10.3	1.752	2.597	15.0	21.0
8 29	23 56.28	+13 57.3	1.680	2.595	11.8	20.8
9 8	23 49.40	+13 20.9	1.631	2.593	8.3	20.6
9 18	23 41.50	+12 23.2	1.605	2.591	5.5	20.4
9 28	23 33.57	+11 9.1	1.607	2.589	5.5	20.4
10 8	23 26.62	+ 9 46.7	1.634	2.587	8.4	20.6
10 18	23 21.48	+ 8 24.6	1.687	2.585	11.9	20.8

136160 2003 UU_{15} 9 17.8 7.°38 2.°3/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.56	− 3 38.4	0.977	1.856	21.6	19.0
8 19	0 0.71	− 4 5.2	0.921	1.856	17.1	18.8
8 29	23 56.52	− 4 50.1	0.882	1.858	11.6	18.5
9 8	23 49.71	− 5 46.0	0.862	1.861	5.8	18.2
9 18	23 41.49	− 6 42.9	0.863	1.866	2.6	18.0
9 28	23 33.50	− 7 29.7	0.886	1.873	7.8	18.4
10 8	23 27.29	− 7 57.7	0.930	1.880	13.4	18.7
10 18	23 23.90	− 8 2.6	0.993	1.890	18.2	19.0

77027 2001 CH_{26} 9 17.8 264.°11 4.°5/13.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.59	− 7 38.5	1.506	2.357	16.8	19.5
8 19	0 2.89	− 8 58.4	1.430	2.350	13.2	19.3
8 29	23 57.54	−10 31.7	1.374	2.343	9.1	19.0
9 8	23 50.11	−12 9.9	1.343	2.336	5.4	18.8
9 18	23 41.48	−13 42.6	1.337	2.329	5.1	18.8
9 28	23 32.86	−14 59.2	1.356	2.322	8.7	19.0
10 8	23 25.47	−15 52.3	1.400	2.315	12.8	19.2
10 18	23 20.25	−16 18.4	1.466	2.307	16.7	19.4

342025 2008 RM_{99} 9 17.8 288.°77 0.°0/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.52	+ 0 6.7	1.689	2.511	16.6	22.0
8 19	0 3.43	− 0 7.4	1.594	2.495	13.3	21.8
8 29	23 57.87	− 0 36.4	1.519	2.478	9.3	21.5
9 8	23 50.29	− 1 17.5	1.467	2.462	4.8	21.2
9 18	23 41.48	− 2 5.8	1.441	2.446	0.1	20.8
9 28	23 32.52	− 2 54.5	1.442	2.430	5.1	21.1
10 8	23 24.58	− 3 36.6	1.468	2.414	9.9	21.4
10 18	23 18.61	− 4 6.5	1.518	2.398	14.1	21.6

319404 2006 GT_{42} 9 17.8 219.°87 3.°6/23.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.04	+16 4.7	3.053	3.764	12.2	21.0
8 19	23 58.66	+15 41.6	2.942	3.756	10.4	20.9
8 29	23 53.87	+15 1.6	2.851	3.747	8.2	20.7
9 8	23 48.01	+14 5.0	2.785	3.737	5.9	20.6
9 18	23 41.54	+12 53.7	2.747	3.728	3.9	20.4
9 28	23 35.05	+11 31.4	2.738	3.717	3.8	20.4
10 8	23 29.11	+10 3.3	2.760	3.707	5.7	20.5
10 18	23 24.23	+ 8 34.8	2.810	3.696	8.1	20.6

240647 2005 BU_{26} 9 17.8 130.°45 3.°1/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.84	− 6 17.4	2.070	2.900	13.6	20.4
8 19	0 1.36	− 7 34.6	2.000	2.909	10.6	20.2
8 29	23 55.94	− 9 1.6	1.953	2.918	7.2	20.0
9 8	23 49.10	−10 32.0	1.932	2.926	4.0	19.8
9 18	23 41.52	−11 58.5	1.939	2.934	3.4	19.8
9 28	23 34.05	−13 13.7	1.975	2.941	6.3	20.0
10 8	23 27.51	−14 12.3	2.038	2.949	9.6	20.2
10 18	23 22.56	−14 51.3	2.124	2.955	12.6	20.4

61 Danaë 9 17.8 7°.73 5°.4/21.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 12.04	+ 8 47.9	1.716	2.492	18.2	11.8
8 19	0 7.68	+10 4.3	1.634	2.493	15.2	11.6
8 29	0 0.72	+11 6.1	1.571	2.495	11.8	11.4
9 8	23 51.69	+11 51.0	1.530	2.498	8.2	11.2
9 18	23 41.46	+12 18.0	1.515	2.501	5.7	11.0
9 28	23 31.20	+12 28.4	1.526	2.506	6.2	11.1
10 8	23 22.12	+12 26.7	1.564	2.511	9.2	11.3
10 18	23 15.14	+12 18.4	1.626	2.517	12.7	11.5

255329 2005 WA_{37} 9 17.8 310°.50 0°.3/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.06	− 0 10.2	2.008	2.826	14.4	21.2
8 19	0 0.20	− 0 36.0	1.915	2.814	11.5	21.0
8 29	23 55.33	− 1 15.1	1.843	2.802	8.0	20.7
9 8	23 48.89	− 2 4.2	1.795	2.791	4.0	20.5
9 18	23 41.53	− 2 58.5	1.775	2.779	0.4	20.2
9 28	23 34.12	− 3 52.0	1.782	2.768	4.5	20.5
10 8	23 27.55	− 4 38.7	1.816	2.758	8.5	20.7
10 18	23 22.57	− 5 13.9	1.874	2.747	12.1	20.9

45684 2000 EE_{137} 9 17.8 118°.15 5°.5/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.87	+18 4.6	2.607	3.310	14.3	19.1
8 19	0 1.13	+18 31.7	2.515	3.315	12.3	18.9
8 29	23 55.70	+18 41.5	2.442	3.320	10.1	18.8
9 8	23 48.98	+18 32.9	2.392	3.324	7.7	18.7
9 18	23 41.53	+18 6.5	2.367	3.329	5.9	18.5
9 28	23 34.08	+17 24.5	2.369	3.333	5.6	18.5
10 8	23 27.35	+16 31.6	2.400	3.338	7.0	18.6
10 18	23 21.94	+15 33.3	2.456	3.342	9.1	18.8

479899 2014 HS_{34} 9 17.8 268°.45 2°.2/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.49	− 4 31.6	1.931	2.762	14.4	21.1
8 19	0 1.38	− 5 22.5	1.846	2.754	11.3	20.9
8 29	23 56.16	− 6 25.1	1.781	2.747	7.7	20.7
9 8	23 49.31	− 7 34.3	1.742	2.739	3.9	20.5
9 18	23 41.52	− 8 43.4	1.730	2.731	2.5	20.3
9 28	23 33.73	− 9 45.3	1.746	2.722	5.9	20.6
10 8	23 26.86	−10 33.8	1.788	2.714	9.7	20.8
10 18	23 21.67	−11 5.0	1.854	2.706	13.2	21.0

20424 1998 VF_{30} 9 17.8 285°.16 5°.9/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.62	−33 46.6	4.342	5.149	7.5	17.9
8 19	23 57.94	−34 37.3	4.282	5.139	6.6	17.8
8 29	23 53.15	−35 21.9	4.245	5.129	6.0	17.8
9 8	23 47.57	−35 56.7	4.234	5.119	5.9	17.7
9 18	23 41.58	−36 19.0	4.248	5.109	6.4	17.8
9 28	23 35.63	−36 26.6	4.288	5.099	7.2	17.8
10 8	23 30.18	−36 19.0	4.351	5.089	8.2	17.9
10 18	23 25.62	−35 56.6	4.434	5.079	9.2	18.0

508991 2005 EZ_{237} 9 17.8 111°.79 1°.5/16.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 11.31	− 5 14.3	2.021	2.837	14.4	21.6
8 19	0 6.41	− 5 25.3	1.948	2.847	11.3	21.4
8 29	23 59.41	− 5 43.9	1.897	2.857	7.7	21.2
9 8	23 50.85	− 6 6.4	1.872	2.867	3.8	21.0
9 18	23 41.50	− 6 28.4	1.874	2.877	1.6	20.9
9 28	23 32.33	− 6 45.3	1.905	2.886	5.0	21.1
10 8	23 24.24	− 6 53.5	1.963	2.895	8.7	21.4
10 18	23 17.92	− 6 50.8	2.047	2.904	12.0	21.6

453534 2009 WF_{59} 9 17.8 284°.50 1°.3/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.44	− 3 42.2	2.419	3.237	12.3	22.0
8 19	0 0.15	− 4 15.2	2.317	3.218	9.7	21.8
8 29	23 55.13	− 4 57.6	2.239	3.200	6.6	21.6
9 8	23 48.74	− 5 46.0	2.185	3.181	3.3	21.3
9 18	23 41.55	− 6 35.9	2.160	3.163	1.5	21.2
9 28	23 34.29	− 7 22.2	2.164	3.144	4.6	21.4
10 8	23 27.69	− 8 0.1	2.195	3.126	8.0	21.5
10 18	23 22.42	− 8 26.3	2.252	3.107	11.1	21.7

15536 2000 AG_{191} 9 17.8 280°.53 1°.0/19.9 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 56.45	+ 5 51.6	4.446	5.210	7.9	18.7
8 19	23 53.81	+ 5 27.5	4.337	5.199	6.4	18.6
8 29	23 50.30	+ 4 55.3	4.252	5.188	4.6	18.4
9 8	23 46.14	+ 4 16.3	4.194	5.177	2.7	18.3
9 18	23 41.63	+ 3 32.2	4.165	5.166	1.1	18.1
9 28	23 37.11	+ 2 45.6	4.166	5.155	2.0	18.2
10 8	23 32.92	+ 1 58.9	4.198	5.144	4.0	18.3
10 18	23 29.37	+ 1 14.9	4.258	5.133	5.8	18.5

401661 2013 GN_{112} 9 17.8 53°.46 4°.0/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.76	+11 14.5	2.122	2.881	15.6	20.3
8 19	0 2.08	+11 35.2	2.045	2.894	13.0	20.1
8 29	23 56.46	+11 38.5	1.988	2.907	10.0	20.0
9 8	23 49.39	+11 24.8	1.954	2.920	6.8	19.8
9 18	23 41.55	+10 55.7	1.945	2.934	4.4	19.7
9 28	23 33.81	+10 15.1	1.965	2.947	4.7	19.7
10 8	23 27.00	+ 9 28.6	2.011	2.961	7.3	19.9
10 18	23 21.77	+ 8 41.8	2.083	2.975	10.3	20.1

418163 2008 AR_{113} 9 17.8 223°.28 4°.9/13.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 13.28	−12 22.6	1.799	2.633	15.2	21.8
8 19	0 8.55	−13 10.0	1.715	2.624	12.1	21.6
8 29	0 1.25	−14 2.7	1.654	2.615	8.6	21.4
9 8	23 51.94	−14 53.8	1.617	2.604	5.5	21.2
9 18	23 41.49	−15 35.8	1.606	2.594	5.3	21.1
9 28	23 31.05	−16 1.9	1.624	2.582	8.2	21.3
10 8	23 21.78	−16 8.1	1.667	2.570	11.8	21.5
10 18	23 14.59	−15 53.3	1.733	2.558	15.3	21.7

356468 2011 QM_{40} 9 17.8 3°.43 3°.5/20.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.96	+ 5 23.9	1.406	2.224	19.5	20.5
8 19	0 3.32	+ 6 5.2	1.331	2.223	16.0	20.2
8 29	23 57.93	+ 6 28.8	1.275	2.223	11.9	20.0
9 8	23 50.35	+ 6 34.7	1.239	2.224	7.4	19.7
9 18	23 41.53	+ 6 24.7	1.227	2.226	3.7	19.5
9 28	23 32.76	+ 6 3.4	1.240	2.230	5.4	19.7
10 8	23 25.31	+ 5 37.8	1.277	2.234	9.8	19.9
10 18	23 20.14	+ 5 14.4	1.337	2.240	14.0	20.2

318481 2005 EC_{89} 9 17.8 65°.35 2°.0/19.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 8.69	+ 5 16.8	1.345	2.162	20.3	20.6
8 19	0 5.33	+ 5 9.0	1.285	2.179	16.3	20.4
8 29	23 59.15	+ 4 39.2	1.244	2.196	11.7	20.2
9 8	23 50.86	+ 3 50.5	1.223	2.213	6.6	20.0
9 18	23 41.53	+ 2 48.5	1.227	2.230	2.1	19.7
9 28	23 32.49	+ 1 42.0	1.257	2.248	5.1	20.0
10 8	23 24.98	+ 0 40.1	1.311	2.265	9.9	20.3
10 18	23 19.87	− 0 9.9	1.389	2.282	14.2	20.6

116370 2003 YY_{106} 9 17.8 258°.84 4°.2/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.05	− 9 34.4	2.111	2.949	13.1	20.1
8 19	0 0.94	−10 57.4	2.021	2.934	10.3	19.9
8 29	23 55.84	−12 29.9	1.954	2.919	7.2	19.7
9 8	23 49.17	−14 5.0	1.913	2.903	4.6	19.5
9 18	23 41.57	−15 35.0	1.900	2.886	4.7	19.5
9 28	23 33.89	−16 51.9	1.915	2.870	7.5	19.6
10 8	23 27.03	−17 49.8	1.957	2.853	10.7	19.8
10 18	23 21.71	−18 25.9	2.021	2.836	13.8	20.0

382985 2005 CZ_{26} 9 17.8 98°.96 5°.3/11.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.87	−10 15.9	1.922	2.767	14.0	20.3
8 19	0 0.79	−12 24.9	1.862	2.779	10.8	20.1
8 29	23 55.67	−14 42.4	1.827	2.791	7.6	20.0
9 8	23 49.02	−16 58.7	1.818	2.803	5.4	19.9
9 18	23 41.58	−19 3.3	1.839	2.814	6.1	19.9
9 28	23 34.26	−20 47.2	1.887	2.826	8.7	20.1
10 8	23 27.95	−22 5.0	1.961	2.837	11.7	20.3
10 18	23 23.32	−22 54.8	2.057	2.848	14.4	20.6

304387 2006 SQ_{399} 9 17.8 74°.16 1°.1/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.39	+ 3 11.8	1.951	2.752	15.4	21.0
8 19	0 2.74	+ 3 4.3	1.873	2.758	12.4	20.8
8 29	23 57.00	+ 2 42.4	1.815	2.765	8.8	20.6
9 8	23 49.70	+ 2 8.3	1.782	2.772	4.8	20.4
9 18	23 41.56	+ 1 26.0	1.775	2.778	1.2	20.1
9 28	23 33.51	+ 0 40.8	1.796	2.785	4.1	20.4
10 8	23 26.46	− 0 1.4	1.844	2.792	8.0	20.6
10 18	23 21.10	− 0 35.9	1.917	2.799	11.5	20.9

138950 2001 BR_{61} 9 17.8 119°.84 2°.2/19.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 11.88	+ 6 0.3	1.788	2.573	17.2	20.1
8 19	0 7.16	+ 5 58.0	1.717	2.590	13.9	19.9
8 29	0 0.09	+ 5 38.2	1.665	2.606	10.1	19.7
9 8	23 51.25	+ 5 2.6	1.637	2.622	5.9	19.5
9 18	23 41.53	+ 4 15.2	1.636	2.637	2.3	19.3
9 28	23 31.99	+ 3 22.0	1.663	2.652	4.4	19.5
10 8	23 23.68	+ 2 29.8	1.717	2.666	8.4	19.8
10 18	23 17.36	+ 1 44.6	1.796	2.679	12.1	20.0

4306 Dunaevskij 9 17.8 18°.11 0°.4/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.46	− 0 19.3	1.805	2.632	15.5	16.9
8 19	23 59.80	− 0 45.7	1.733	2.637	12.2	16.7
8 29	23 55.05	− 1 25.7	1.682	2.643	8.4	16.5
9 8	23 48.73	− 2 15.5	1.654	2.650	4.2	16.3
9 18	23 41.59	− 3 9.5	1.653	2.657	0.5	16.0
9 28	23 34.55	− 4 1.3	1.678	2.665	4.7	16.4
10 8	23 28.54	− 4 44.8	1.730	2.674	8.7	16.6
10 18	23 24.23	− 5 15.7	1.806	2.683	12.3	16.9

371383 2006 QZ_{162} 9 17.8 22°.93 2°.8/19.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.32	+ 2 29.0	0.872	1.738	24.8	19.6
8 19	0 4.58	+ 3 16.2	0.831	1.752	20.0	19.4
8 29	23 59.18	+ 3 40.7	0.803	1.769	14.3	19.2
9 8	23 51.01	+ 3 43.7	0.794	1.787	8.1	18.9
9 18	23 41.54	+ 3 29.8	0.805	1.807	3.0	18.7
9 28	23 32.59	+ 3 6.8	0.837	1.829	6.3	19.0
10 8	23 25.78	+ 2 44.3	0.890	1.853	11.9	19.4
10 18	23 22.09	+ 2 29.7	0.962	1.878	16.8	19.8

116498 2004 BS_{19} 9 17.8 268°.22 3°.8/13.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 4.98	−13 28.4	2.625	3.456	11.1	19.7
8 19	0 1.11	−14 8.3	2.545	3.452	8.7	19.5
8 29	23 55.62	−14 50.7	2.488	3.447	6.2	19.3
9 8	23 48.93	−15 30.7	2.457	3.442	4.1	19.2
9 18	23 41.60	−16 4.0	2.455	3.438	4.1	19.2
9 28	23 34.31	−16 26.2	2.481	3.433	6.1	19.3
10 8	23 27.76	−16 34.9	2.534	3.428	8.7	19.5
10 18	23 22.51	−16 28.8	2.611	3.424	11.1	19.6

214562 2006 QE_8 9 17.8 319°.80 1°.5/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.28	− 2 19.5	1.772	2.605	15.5	20.1
8 19	0 0.64	− 3 0.6	1.688	2.597	12.2	19.8
8 29	23 55.78	− 3 55.6	1.624	2.589	8.3	19.6
9 8	23 49.18	− 4 59.9	1.584	2.581	4.1	19.3
9 18	23 41.59	− 6 6.9	1.571	2.574	1.7	19.1
9 28	23 33.99	− 7 9.1	1.584	2.567	5.6	19.4
10 8	23 27.37	− 7 59.7	1.623	2.560	9.8	19.6
10 18	23 22.54	− 8 34.0	1.686	2.554	13.6	19.9

397792 2008 JY_{40} 9 17.8 100°.02 5°.7/10.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.28	−19 18.0	2.550	3.382	11.3	21.3
8 19	0 2.80	−20 31.6	2.504	3.406	9.0	21.2
8 29	23 56.67	−21 43.4	2.482	3.429	6.9	21.1
9 8	23 49.39	−22 47.3	2.488	3.452	5.7	21.0
9 18	23 41.59	−23 37.8	2.521	3.474	6.2	21.1
9 28	23 34.01	−24 11.0	2.581	3.496	7.8	21.2
10 8	23 27.33	−24 25.1	2.668	3.517	9.9	21.4
10 18	23 22.08	−24 20.4	2.777	3.538	11.8	21.6

243467 2009 SE_{124} 9 17.8 21°.53 4°.2/22.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.01	+12 10.3	1.625	2.412	18.6	19.6
8 19	23 58.14	+12 7.9	1.557	2.424	15.5	19.4
8 29	23 54.04	+11 41.1	1.507	2.437	11.8	19.2
9 8	23 48.26	+10 51.1	1.479	2.452	7.9	19.1
9 18	23 41.61	+ 9 41.7	1.474	2.467	4.7	18.9
9 28	23 35.11	+ 8 19.9	1.496	2.483	5.0	19.0
10 8	23 29.72	+ 6 55.0	1.543	2.501	8.3	19.2
10 18	23 26.17	+ 5 35.5	1.614	2.519	11.9	19.5

133581 2003 UC_{55} 9 17.8 43°.23 3°.4/15.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 13.74	−10 11.3	1.507	2.348	17.3	18.7
8 19	0 8.94	−10 17.2	1.449	2.362	13.6	18.5
8 29	0 1.42	−10 27.8	1.411	2.376	9.3	18.2
9 8	23 51.93	−10 37.5	1.397	2.391	5.1	18.0
9 18	23 41.53	−10 40.8	1.409	2.407	3.7	18.0
9 28	23 31.52	−10 32.8	1.447	2.423	7.0	18.2
10 8	23 23.07	−10 11.1	1.511	2.439	11.1	18.5
10 18	23 16.97	− 9 35.3	1.597	2.455	14.7	18.8

129509 1995 ST_{52} 9 17.8 43°.51 1°.2/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.53	− 2 58.7	1.645	2.477	16.5	20.5
8 19	0 4.02	− 3 20.6	1.574	2.481	13.0	20.3
8 29	23 58.09	− 3 54.8	1.523	2.486	8.9	20.1
9 8	23 50.32	− 4 36.6	1.495	2.492	4.4	19.8
9 18	23 41.58	− 5 20.3	1.493	2.497	1.4	19.6
9 28	23 32.97	− 5 59.1	1.518	2.503	5.5	19.9
10 8	23 25.58	− 6 27.3	1.569	2.508	9.9	20.2
10 18	23 20.19	− 6 41.3	1.643	2.514	13.7	20.5

492296 2013 YX_{128} 9 17.8 97°.84 4°.4/13.8 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 9.19	−10 52.2	1.717	2.560	15.5	21.6
8 19	0 5.20	−11 43.8	1.653	2.567	12.1	21.4
8 29	23 58.81	−12 41.4	1.610	2.574	8.4	21.2
9 8	23 50.65	−13 37.9	1.591	2.581	5.2	21.0
9 18	23 41.58	−14 25.9	1.598	2.588	4.8	21.0
9 28	23 32.72	−14 58.8	1.633	2.595	7.7	21.2
10 8	23 25.10	−15 12.5	1.692	2.602	11.3	21.4
10 18	23 19.48	−15 6.2	1.774	2.609	14.5	21.6

385359 2002 PZ_{141} 9 17.8 331°.64 13°.2/20.9 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 25.74	+10 32.2	0.964	1.764	27.6	20.0
8 19	0 21.28	+13 46.0	0.891	1.757	24.1	19.7
8 29	0 12.04	+16 50.9	0.832	1.751	20.0	19.4
9 8	23 58.31	+19 34.3	0.792	1.746	15.9	19.2
9 18	23 41.39	+21 41.5	0.773	1.741	13.4	19.0
9 28	23 23.74	+23 2.5	0.776	1.737	14.0	19.0
10 8	23 8.22	+23 39.2	0.799	1.733	17.4	19.2
10 18	22 56.98	+23 43.0	0.841	1.730	21.5	19.5

173156 1996 RV_9 9 17.8 301°.74 0°.3/17.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 9.60	− 0 48.3	1.351	2.186	19.3	20.2
8 19	0 6.58	− 0 38.3	1.263	2.170	15.5	19.9
8 29	0 0.49	− 0 42.9	1.193	2.155	11.0	19.6
9 8	23 51.83	− 0 59.5	1.144	2.139	5.7	19.3
9 18	23 41.55	− 1 23.8	1.120	2.124	0.3	18.8
9 28	23 31.07	− 1 49.2	1.120	2.110	5.9	19.2
10 8	23 21.91	− 2 8.5	1.145	2.095	11.4	19.5
10 18	23 15.27	− 2 16.2	1.191	2.081	16.3	19.8

82417 2001 NU_{16} 9 17.8 300°.82 1°.2/18.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 7.21	+ 2 38.7	1.941	2.742	15.5	19.6
8 19	0 3.51	+ 2 40.6	1.853	2.740	12.5	19.4
8 29	23 57.64	+ 2 28.9	1.787	2.737	8.9	19.1
9 8	23 50.09	+ 2 5.4	1.744	2.734	4.9	18.9
9 18	23 41.60	+ 1 33.5	1.727	2.731	1.3	18.6
9 28	23 33.10	+ 0 58.0	1.739	2.729	4.2	18.9
10 8	23 25.56	+ 0 24.6	1.778	2.726	8.2	19.1
10 18	23 19.76	− 0 2.1	1.841	2.723	11.9	19.3

6076 Plavec 9 17.8 107°.52 2°.2/15.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.65	− 4 11.3	1.974	2.799	14.4	17.2
8 19	0 2.81	− 5 13.2	1.910	2.815	11.2	17.0
8 29	23 56.95	− 6 25.9	1.867	2.831	7.5	16.9
9 8	23 49.64	− 7 43.5	1.851	2.847	3.8	16.7
9 18	23 41.61	− 8 59.2	1.862	2.862	2.5	16.6
9 28	23 33.76	−10 6.0	1.902	2.877	5.7	16.8
10 8	23 26.95	−10 58.4	1.968	2.891	9.2	17.1
10 18	23 21.81	−11 33.3	2.060	2.905	12.4	17.3

60793 2000 HQ_7 9 17.8 310°.28 5°.5/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.08	−13 36.7	1.768	2.618	14.7	18.8
8 19	0 2.91	−14 35.2	1.690	2.607	11.7	18.5
8 29	23 57.38	−15 38.5	1.633	2.597	8.4	18.3
9 8	23 50.00	−16 39.2	1.601	2.586	5.9	18.2
9 18	23 41.60	−17 29.5	1.594	2.576	6.0	18.1
9 28	23 33.21	−18 2.2	1.614	2.566	8.8	18.3
10 8	23 25.92	−18 13.2	1.658	2.557	12.1	18.5
10 18	23 20.54	−18 1.4	1.723	2.548	15.3	18.7

52494 1996 AN_8 9 17.8 238°.98 3°.4/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 8.55	+ 8 4.1	1.732	2.517	17.7	19.7
8 19	0 4.97	+ 8 17.1	1.640	2.510	14.6	19.5
8 29	23 58.91	+ 8 11.3	1.568	2.504	11.0	19.3
9 8	23 50.84	+ 7 46.7	1.518	2.497	6.9	19.0
9 18	23 41.58	+ 7 5.8	1.493	2.490	3.6	18.8
9 28	23 32.23	+ 6 13.7	1.495	2.483	4.9	18.9
10 8	23 23.94	+ 5 17.8	1.523	2.476	8.9	19.1
10 18	23 17.64	+ 4 25.4	1.576	2.468	12.9	19.3

166479 2002 PX_{131} 9 17.8 6°.44 2°.4/19.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 6.54	+ 5 40.2	1.764	2.562	16.9	20.1
8 19	0 3.20	+ 5 48.6	1.681	2.562	13.8	19.9
8 29	23 57.54	+ 5 40.1	1.618	2.562	10.1	19.6
9 8	23 50.08	+ 5 16.0	1.578	2.563	6.0	19.4
9 18	23 41.60	+ 4 39.2	1.563	2.564	2.6	19.2
9 28	23 33.15	+ 3 55.1	1.575	2.565	4.5	19.3
10 8	23 25.75	+ 3 10.3	1.613	2.566	8.5	19.6
10 18	23 20.24	+ 2 30.9	1.676	2.567	12.4	19.8

6374 Beslan 9 17.8 336°.58 0°.9/16.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.05	− 0 38.9	2.139	2.959	13.6	17.0
8 19	23 58.44	− 1 29.5	2.053	2.955	10.7	16.8
8 29	23 54.02	− 2 33.4	1.990	2.951	7.3	16.6
9 8	23 48.22	− 3 46.4	1.951	2.948	3.6	16.3
9 18	23 41.65	− 5 2.9	1.940	2.944	1.1	16.1
9 28	23 35.09	− 6 16.2	1.958	2.941	4.6	16.4
10 8	23 29.33	− 7 20.0	2.003	2.938	8.3	16.6
10 18	23 25.01	− 8 9.8	2.072	2.936	11.6	16.8

273837 2007 GK_{31} 9 17.8 84°.69 3°.9/14.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 10.81	− 9 31.2	1.701	2.539	15.8	20.1
8 19	0 6.32	−10 18.8	1.646	2.558	12.3	20.0
8 29	23 59.46	−11 12.8	1.613	2.577	8.4	19.8
9 8	23 50.91	−12 6.3	1.604	2.597	4.9	19.6
9 18	23 41.59	−12 52.3	1.622	2.616	4.2	19.6
9 28	23 32.60	−13 24.5	1.667	2.634	7.2	19.8
10 8	23 24.93	−13 39.1	1.738	2.653	10.7	20.1
10 18	23 19.31	−13 35.3	1.832	2.671	13.9	20.3

273333 2006 TU_{69} 9 17.8 299°.14 2°.0/16.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.85	− 2 43.6	1.400	2.246	18.1	21.1
8 19	0 2.68	− 3 24.3	1.311	2.228	14.4	20.8
8 29	23 57.70	− 4 22.6	1.241	2.209	9.9	20.5
9 8	23 50.38	− 5 33.4	1.194	2.191	5.0	20.2
9 18	23 41.60	− 6 48.4	1.170	2.173	2.3	20.0
9 28	23 32.64	− 7 57.5	1.172	2.155	7.0	20.2
10 8	23 24.87	− 8 51.3	1.198	2.138	12.2	20.5
10 18	23 19.40	− 9 24.0	1.246	2.121	16.8	20.7

97274 1999 XG_{142} 9 17.8 295°.46 16°.9/22.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 16.84	−49 17.0	1.818	2.594	17.3	18.1
8 19	0 12.69	−51 25.8	1.785	2.577	16.9	18.0
8 29	0 4.80	−53 11.0	1.770	2.561	17.0	18.0
9 8	23 53.93	−54 21.1	1.773	2.544	17.5	18.0
9 18	23 41.52	−54 47.8	1.791	2.528	18.5	18.0
9 28	23 29.46	−54 27.9	1.825	2.512	19.6	18.1
10 8	23 19.52	−53 24.0	1.873	2.496	20.8	18.2
10 18	23 12.83	−51 42.5	1.931	2.480	21.9	18.3

71330 2000 AZ_{86} 9 17.8 145°.74 2°.7/14.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 3.37	− 8 24.7	2.696	3.520	11.0	19.4
8 19	23 59.76	− 9 20.5	2.621	3.526	8.5	19.2
8 29	23 54.65	−10 22.0	2.570	3.532	5.8	19.1
9 8	23 48.44	−11 24.7	2.545	3.538	3.3	18.9
9 18	23 41.65	−12 23.7	2.550	3.543	3.0	18.9
9 28	23 34.94	−13 14.3	2.584	3.548	5.2	19.0
10 8	23 28.92	−13 52.7	2.646	3.553	7.8	19.2
10 18	23 24.11	−14 17.0	2.733	3.557	10.3	19.4

195415 2002 GJ_{40} 9 17.8 293°.40 1°.5/20.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 56.81	+ 8 14.1	4.508	5.258	8.0	19.9
8 19	23 54.08	+ 8 1.9	4.405	5.254	6.6	19.8
8 29	23 50.48	+ 7 41.4	4.325	5.250	4.9	19.7
9 8	23 46.26	+ 7 13.6	4.272	5.247	3.1	19.6
9 18	23 41.70	+ 6 39.9	4.247	5.243	1.6	19.4
9 28	23 37.14	+ 6 2.3	4.253	5.240	2.1	19.5
10 8	23 32.92	+ 5 23.5	4.288	5.236	3.8	19.6
10 18	23 29.33	+ 4 45.7	4.352	5.233	5.6	19.7

435568 2008 RU_{49} 9 17.8 313°.92 1°.3/20.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 56.87	+ 6 52.8	4.174	4.934	8.5	21.1
8 19	23 54.20	+ 6 32.8	4.073	4.931	6.9	20.9
8 29	23 50.60	+ 6 4.1	3.994	4.927	5.0	20.8
9 8	23 46.34	+ 5 27.8	3.943	4.923	3.0	20.6
9 18	23 41.70	+ 4 45.8	3.920	4.919	1.4	20.5
9 28	23 37.07	+ 4 0.5	3.927	4.916	2.1	20.6
10 8	23 32.80	+ 3 14.9	3.964	4.912	4.1	20.7
10 18	23 29.23	+ 2 31.6	4.030	4.908	6.0	20.9

479950 2014 HL_{176} 9 17.8 216°.50 2°.7/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.31	+ 8 2.5	2.027	2.807	15.6	21.6
8 19	0 1.95	+ 7 58.9	1.938	2.805	12.8	21.4
8 29	23 56.53	+ 7 37.9	1.868	2.804	9.5	21.2
9 8	23 49.53	+ 7 0.6	1.822	2.802	5.9	21.0
9 18	23 41.63	+ 6 9.9	1.802	2.801	2.9	20.8
9 28	23 33.72	+ 5 10.9	1.810	2.799	4.1	20.9
10 8	23 26.71	+ 4 10.3	1.846	2.797	7.7	21.1
10 18	23 21.33	+ 3 14.3	1.907	2.795	11.2	21.3

260472 2005 BE_{27} 9 17.8 263°.59 8°.1/ 7.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 13.38	−30 29.2	2.727	3.537	11.3	20.7
8 19	0 7.87	−31 23.9	2.648	3.518	9.7	20.6
8 29	0 0.37	−32 11.4	2.592	3.497	8.5	20.5
9 8	23 51.38	−32 45.2	2.561	3.477	8.1	20.4
9 18	23 41.60	−33 0.0	2.556	3.456	8.6	20.4
9 28	23 31.87	−32 52.0	2.578	3.435	10.0	20.5
10 8	23 23.07	−32 20.8	2.623	3.413	11.7	20.6
10 18	23 15.87	−31 27.7	2.690	3.391	13.5	20.7

358220 2006 SM_{229} 9 17.8 339°.80 1°.8/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.21	+ 4 27.6	1.728	2.537	16.8	20.9
8 19	0 1.46	+ 4 27.9	1.642	2.531	13.6	20.7
8 29	23 56.41	+ 4 11.3	1.575	2.525	9.9	20.4
9 8	23 49.55	+ 3 39.5	1.531	2.520	5.6	20.2
9 18	23 41.63	+ 2 56.1	1.513	2.515	1.9	19.9
9 28	23 33.70	+ 2 6.9	1.521	2.511	4.4	20.1
10 8	23 26.78	+ 1 19.0	1.555	2.508	8.7	20.3
10 18	23 21.72	+ 0 38.4	1.613	2.504	12.7	20.6

213260 2001 FZ_{51} 9 17.8 221°.39 1°.6/19.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.77	+ 4 32.5	2.174	2.959	14.5	20.9
8 19	0 3.76	+ 4 28.2	2.077	2.952	11.8	20.7
8 29	23 57.74	+ 4 9.8	2.001	2.944	8.5	20.4
9 8	23 50.14	+ 3 38.9	1.950	2.937	4.9	20.2
9 18	23 41.63	+ 2 58.4	1.926	2.929	1.7	20.0
9 28	23 33.06	+ 2 13.0	1.931	2.920	3.9	20.1
10 8	23 25.32	+ 1 28.3	1.964	2.912	7.6	20.3
10 18	23 19.15	+ 0 49.2	2.023	2.902	11.1	20.5

446228 2013 GW_{88} 9 17.8 116°.79 1°.1/19.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.38	+ 5 28.5	2.713	3.489	12.2	21.9
8 19	23 59.72	+ 4 55.8	2.633	3.504	9.8	21.8
8 29	23 54.59	+ 4 10.3	2.577	3.518	7.0	21.6
9 8	23 48.40	+ 3 14.3	2.546	3.533	3.9	21.4
9 18	23 41.68	+ 2 11.5	2.544	3.547	1.2	21.2
9 28	23 35.04	+ 1 6.5	2.571	3.560	3.1	21.4
10 8	23 29.10	+ 0 4.2	2.628	3.573	6.1	21.6
10 18	23 24.35	− 0 51.3	2.713	3.586	8.8	21.8

252851 2002 GO_{147} 9 17.8 34°.50 4°.1/14.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.78	− 5 17.1	1.061	1.934	20.7	19.6
8 19	0 2.07	− 6 30.6	1.015	1.947	16.1	19.3
8 29	23 57.21	− 8 0.4	0.986	1.961	10.9	19.1
9 8	23 50.00	− 9 36.0	0.979	1.976	5.8	18.9
9 18	23 41.64	−11 4.7	0.994	1.992	4.6	18.9
9 28	23 33.68	−12 14.3	1.032	2.009	8.9	19.2
10 8	23 27.48	−12 57.4	1.093	2.026	13.7	19.5
10 18	23 23.91	−13 11.7	1.172	2.045	17.9	19.8

366075 2012 CS_{39} 9 17.8 157°.41 1°.0/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 4.59	− 2 47.3	2.593	3.402	11.8	22.2
8 19	0 0.78	− 3 18.7	2.510	3.405	9.3	22.1
8 29	23 55.40	− 3 58.8	2.450	3.409	6.3	21.9
9 8	23 48.85	− 4 44.1	2.417	3.412	3.1	21.7
9 18	23 41.68	− 5 30.7	2.412	3.415	1.1	21.5
9 28	23 34.57	− 6 14.1	2.436	3.418	4.0	21.8
10 8	23 28.17	− 6 50.1	2.489	3.420	7.1	22.0
10 18	23 23.03	− 7 15.9	2.568	3.423	9.9	22.2

496785 2017 FF_{71} 9 17.8 256°.45 0°.6/18.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 2.20	+ 4 7.9	2.719	3.504	11.9	22.4
8 19	23 59.01	+ 3 25.9	2.609	3.486	9.6	22.2
8 29	23 54.28	+ 2 30.2	2.521	3.468	6.8	22.0
9 8	23 48.34	+ 1 23.0	2.459	3.449	3.6	21.8
9 18	23 41.69	+ 0 8.2	2.426	3.430	0.6	21.5
9 28	23 34.96	− 1 9.2	2.423	3.411	3.3	21.7
10 8	23 28.79	− 2 23.5	2.449	3.391	6.6	21.9
10 18	23 23.77	− 3 29.9	2.503	3.372	9.6	22.1

319318 2006 BF_{164} 9 17.8 215°.39 1°.0/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.82	+ 3 28.6	2.626	3.409	12.3	21.3
8 19	0 1.03	+ 3 19.0	2.530	3.405	9.9	21.1
8 29	23 55.63	+ 2 58.2	2.456	3.401	7.1	20.9
9 8	23 49.01	+ 2 27.7	2.408	3.396	3.9	20.7
9 18	23 41.70	+ 1 50.5	2.388	3.392	1.1	20.5
9 28	23 34.37	+ 1 10.3	2.398	3.387	3.3	20.7
10 8	23 27.72	+ 0 31.5	2.436	3.381	6.5	20.9
10 18	23 22.31	− 0 2.1	2.501	3.376	9.4	21.1

103473 2000 AU_{212} 9 17.8 99°.32 2°.3/15.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 9.99	− 4 22.5	1.607	2.438	16.8	19.9
8 19	0 5.89	− 5 10.6	1.546	2.455	13.1	19.7
8 29	23 59.32	− 6 10.7	1.506	2.471	8.9	19.5
9 8	23 50.93	− 7 16.5	1.491	2.487	4.5	19.2
9 18	23 41.66	− 8 20.4	1.501	2.502	2.6	19.2
9 28	23 32.66	− 9 14.6	1.539	2.517	6.3	19.4
10 8	23 25.00	− 9 53.3	1.603	2.532	10.4	19.7
10 18	23 19.44	−10 13.5	1.690	2.547	14.1	20.0

445441 2010 UY_{67} 9 17.8 33°.03 0°.7/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 8.51	− 3 6.0	2.040	2.855	14.3	21.1
8 19	0 4.33	− 3 9.0	1.960	2.858	11.3	20.9
8 29	23 58.09	− 3 21.0	1.901	2.860	7.8	20.7
9 8	23 50.30	− 3 38.8	1.868	2.863	3.9	20.5
9 18	23 41.68	− 3 58.6	1.862	2.866	0.7	20.3
9 28	23 33.15	− 4 16.1	1.884	2.870	4.5	20.6
10 8	23 25.59	− 4 27.1	1.934	2.873	8.3	20.8
10 18	23 19.71	− 4 29.0	2.009	2.876	11.7	21.0

354295 2002 TA_{71} 9 17.8 311°.12 6°.3/23.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.96	+15 26.7	1.734	2.494	18.6	20.2
8 19	0 0.02	+15 50.7	1.626	2.470	16.0	20.0
8 29	23 55.70	+15 51.2	1.535	2.445	13.0	19.7
9 8	23 49.36	+15 25.5	1.464	2.421	9.6	19.5
9 18	23 41.69	+14 33.5	1.416	2.397	6.8	19.3
9 28	23 33.73	+13 18.9	1.394	2.374	6.6	19.2
10 8	23 26.64	+11 49.7	1.397	2.351	9.4	19.3
10 18	23 21.43	+10 15.9	1.423	2.328	13.1	19.5

342349 2008 TD_{166} 9 17.8 75°.14 2°.3/15.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.17	− 4 53.1	1.693	2.528	16.0	20.8
8 19	0 3.65	− 5 35.7	1.625	2.536	12.5	20.6
8 29	23 57.79	− 6 29.5	1.579	2.544	8.5	20.4
9 8	23 50.19	− 7 28.7	1.556	2.552	4.3	20.2
9 18	23 41.68	− 8 26.5	1.560	2.561	2.6	20.1
9 28	23 33.35	− 9 15.5	1.591	2.569	6.1	20.3
10 8	23 26.20	− 9 50.2	1.647	2.578	10.2	20.6
10 18	23 20.99	−10 7.5	1.727	2.586	13.7	20.8

281084 2006 SF_{59} 9 17.8 312°.98 7°.6/25.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 57.92	+23 22.8	1.147	1.911	26.0	20.5
8 19	23 57.87	+22 47.6	1.061	1.903	22.8	20.2
8 29	23 54.74	+21 21.4	0.988	1.894	18.7	19.9
9 8	23 49.02	+18 58.8	0.932	1.886	13.9	19.6
9 18	23 41.70	+15 41.6	0.896	1.879	9.3	19.3
9 28	23 34.30	+11 43.9	0.885	1.872	7.8	19.2
10 8	23 28.37	+ 7 30.8	0.899	1.865	11.3	19.4
10 18	23 25.10	+ 3 29.7	0.937	1.859	16.5	19.7

95048 2002 AE_{40} 9 17.8 267°.27 0°.6/17.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.61	− 0 9.1	1.741	2.564	16.1	20.2
8 19	0 2.57	− 0 43.9	1.654	2.556	12.8	20.0
8 29	23 57.20	− 1 34.5	1.587	2.547	8.9	19.7
9 8	23 49.99	− 2 36.9	1.543	2.539	4.4	19.5
9 18	23 41.69	− 3 44.9	1.526	2.531	0.7	19.2
9 28	23 33.36	− 4 51.0	1.536	2.522	5.2	19.5
10 8	23 26.04	− 5 47.6	1.573	2.514	9.7	19.7
10 18	23 20.60	− 6 29.3	1.633	2.505	13.7	19.9

2020	α_{2000}	δ_{2000}	Δ	r	β	V
182078 2000 GS_{170}			9 17.8 255.°40		8.°0/25.7 14 C	
	h m	° ′			°	m
8 9	0 3.08	+22 46.5	1.308	2.053	24.2	21.0
8 19	0 1.71	+22 28.8	1.215	2.042	21.3	20.7
8 29	23 57.29	+21 28.0	1.134	2.031	17.6	20.4
9 8	23 50.30	+19 38.8	1.072	2.020	13.3	20.2
9 18	23 41.68	+17 1.4	1.031	2.008	9.3	19.9
9 28	23 32.87	+13 45.4	1.014	1.996	8.1	19.8
10 8	23 25.42	+10 9.9	1.023	1.984	11.1	19.9
10 18	23 20.55	+ 6 37.5	1.057	1.971	15.8	20.2
139903 2001 RS_{100}			9 17.8 34.°91		2.°2/15.9 18	
8 9	0 7.40	− 5 48.4	1.726	2.561	15.7	19.6
8 19	0 3.78	− 6 12.1	1.657	2.568	12.3	19.4
8 29	23 57.87	− 6 44.9	1.609	2.575	8.4	19.2
9 8	23 50.22	− 7 22.0	1.586	2.582	4.2	18.9
9 18	23 41.69	− 7 57.6	1.588	2.589	2.4	18.8
9 28	23 33.33	− 8 25.5	1.618	2.597	5.9	19.1
10 8	23 26.14	− 8 41.3	1.673	2.606	9.8	19.3
10 18	23 20.86	− 8 42.5	1.751	2.614	13.4	19.6
382110 2011 HJ_{15}			9 17.8 208.°19		3.°5/14.4 18	
8 9	0 8.63	− 8 17.3	1.923	2.755	14.5	21.5
8 19	0 4.67	− 9 11.8	1.841	2.751	11.3	21.3
8 29	23 58.48	−10 15.0	1.782	2.746	7.8	21.1
9 8	23 50.56	−11 20.7	1.748	2.741	4.5	20.9
9 18	23 41.69	−12 22.1	1.741	2.735	3.8	20.8
9 28	23 32.84	−13 11.9	1.762	2.729	6.9	21.0
10 8	23 25.01	−13 45.1	1.810	2.723	10.5	21.2
10 18	23 18.98	−13 59.3	1.880	2.716	13.8	21.4
305966 2009 HR_{58}			9 17.8 257.°44		4.°2/13.1 18	
8 9	0 4.73	−10 22.3	2.063	2.902	13.3	21.1
8 19	0 1.49	−11 31.2	1.980	2.893	10.4	20.9
8 29	23 56.24	−12 47.6	1.920	2.884	7.3	20.6
9 8	23 49.42	−14 5.0	1.885	2.875	4.7	20.5
9 18	23 41.71	−15 16.2	1.878	2.865	4.7	20.5
9 28	23 34.00	−16 14.1	1.898	2.855	7.3	20.6
10 8	23 27.17	−16 53.7	1.945	2.845	10.5	20.8
10 18	23 21.94	−17 12.8	2.014	2.836	13.6	21.0
349233 2007 TL_{43}			9 17.8 315.°66		3.°7/14.4 18	
8 9	0 7.61	− 9 38.5	1.832	2.671	14.8	20.9
8 19	0 3.94	−10 18.6	1.756	2.669	11.6	20.7
8 29	23 57.99	−11 5.4	1.701	2.666	8.0	20.4
9 8	23 50.32	−11 53.0	1.671	2.663	4.7	20.2
9 18	23 41.70	−12 34.9	1.667	2.661	4.0	20.2
9 28	23 33.16	−13 4.7	1.690	2.658	7.0	20.4
10 8	23 25.70	−13 18.4	1.739	2.656	10.6	20.6
10 18	23 20.09	−13 14.0	1.811	2.654	13.9	20.8
367056 2006 KO_{30}			9 17.8 109.°98		1.°6/19.2 17	
8 9	0 10.17	+ 5 0.9	1.508	2.314	19.0	21.5
8 19	0 6.32	+ 4 46.4	1.439	2.326	15.3	21.3
8 29	23 59.81	+ 4 11.6	1.389	2.339	10.9	21.0
9 8	23 51.27	+ 3 19.3	1.362	2.351	6.1	20.8
9 18	23 41.68	+ 2 14.9	1.360	2.363	1.8	20.6
9 28	23 32.28	+ 1 6.5	1.384	2.374	4.9	20.8
10 8	23 24.27	+ 0 2.7	1.435	2.385	9.5	21.1
10 18	23 18.50	− 0 49.6	1.509	2.396	13.7	21.4
317519 2002 TS_{142}			9 17.8 9.°46		3.°6/14.8 18	
8 9	0 1.64	− 4 26.8	1.174	2.042	19.5	19.6
8 19	0 0.31	− 5 36.9	1.113	2.043	15.2	19.3
8 29	23 56.05	− 7 5.1	1.071	2.045	10.3	19.1
9 8	23 49.50	− 8 42.3	1.050	2.048	5.4	18.8
9 18	23 41.72	−10 16.6	1.052	2.051	4.1	18.7
9 28	23 34.09	−11 35.8	1.078	2.056	8.4	19.0
10 8	23 27.97	−12 30.6	1.127	2.061	13.3	19.3
10 18	23 24.30	−12 57.3	1.195	2.068	17.6	19.6
514577 2000 CR_{99}			9 17.8 204.°42		1.°8/15.6 18	
8 9	0 5.50	− 4 1.8	2.270	3.088	13.0	22.6
8 19	0 1.84	− 4 53.5	2.183	3.084	10.2	22.4
8 29	23 56.34	− 5 55.5	2.118	3.080	6.9	22.2
9 8	23 49.43	− 7 3.3	2.080	3.075	3.5	22.0
9 18	23 41.73	− 8 11.4	2.070	3.070	2.1	21.9
9 28	23 34.04	− 9 13.5	2.089	3.065	5.1	22.1
10 8	23 27.15	−10 4.4	2.135	3.059	8.5	22.3
10 18	23 21.71	−10 40.5	2.207	3.053	11.6	22.5
246727 2009 BE_{50}			9 17.8 84.°92		1.°5/16.3 18	
8 9	0 6.27	− 3 11.2	1.886	2.711	15.0	21.3
8 19	0 2.71	− 3 49.5	1.815	2.719	11.7	21.1
8 29	23 57.03	− 4 39.3	1.765	2.728	8.0	20.9
9 8	23 49.79	− 5 35.6	1.740	2.736	3.9	20.7
9 18	23 41.73	− 6 32.6	1.742	2.745	1.7	20.5
9 28	23 33.81	− 7 23.7	1.772	2.753	5.3	20.8
10 8	23 26.93	− 8 3.4	1.828	2.761	9.1	21.0
10 18	23 21.79	− 8 28.3	1.909	2.770	12.5	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
310035 2010 GW_{87}			9 17.8 34.°63		6.°8/10.2 18	
	h m	° ′			°	m
8 9	0 2.38	−14 24.9	1.659	2.521	15.0	19.4
8 19	0 0.01	−16 17.5	1.606	2.529	11.8	19.3
8 29	23 55.35	−18 14.6	1.575	2.538	8.7	19.1
9 8	23 48.99	−20 5.8	1.569	2.548	6.9	19.0
9 18	23 41.76	−21 40.8	1.589	2.557	7.6	19.1
9 28	23 34.70	−22 51.3	1.635	2.568	10.2	19.3
10 8	23 28.80	−23 33.0	1.703	2.578	13.2	19.5
10 18	23 24.80	−23 45.8	1.792	2.589	15.9	19.7
448672 2010 VN_{193}			9 17.8 30.°10		0.°9/18.8 18	
8 9	0 0.98	+ 5 19.6	1.904	2.709	15.6	21.0
8 19	23 58.59	+ 4 34.0	1.827	2.715	12.5	20.8
8 29	23 54.23	+ 3 29.5	1.770	2.722	8.9	20.6
9 8	23 48.40	+ 2 9.8	1.738	2.729	4.8	20.4
9 18	23 41.77	+ 0 40.7	1.732	2.736	0.9	20.1
9 28	23 35.23	− 0 50.1	1.754	2.744	4.1	20.4
10 8	23 29.61	− 2 14.6	1.803	2.752	8.1	20.6
10 18	23 25.59	− 3 26.3	1.877	2.760	11.7	20.9
374005 2004 CA_{13}			9 17.8 224.°99		1.°6/16.3 17	
8 9	0 6.42	− 1 38.8	1.646	2.475	16.6	21.2
8 19	0 3.32	− 2 31.2	1.564	2.471	13.1	21.0
8 29	23 57.78	− 3 40.0	1.503	2.467	9.0	20.7
9 8	23 50.31	− 4 59.6	1.465	2.462	4.4	20.5
9 18	23 41.73	− 6 22.5	1.454	2.457	1.8	20.3
9 28	23 33.16	− 7 39.6	1.471	2.452	6.0	20.6
10 8	23 25.72	− 8 42.9	1.512	2.447	10.5	20.8
10 18	23 20.26	− 9 27.1	1.578	2.442	14.5	21.0
287226 2002 TM_{13}			9 17.8 343.°39		0.°4/17.5 18	
8 9	23 59.76	+ 0 34.5	1.406	2.251	18.1	19.9
8 19	23 58.50	+ 0 5.6	1.324	2.239	14.4	19.7
8 29	23 54.69	− 0 42.6	1.262	2.228	10.1	19.4
9 8	23 48.83	− 1 45.9	1.222	2.219	5.1	19.1
9 18	23 41.76	− 2 57.4	1.205	2.210	0.5	18.7
9 28	23 34.65	− 4 7.8	1.213	2.202	5.7	19.1
10 8	23 28.70	− 5 7.8	1.246	2.196	10.7	19.4
10 18	23 24.84	− 5 50.8	1.300	2.191	15.2	19.6
59502 1999 JR_{9}			9 17.8 66.°02		5.°0/13.9 18	
8 9	0 11.55	−11 41.6	1.513	2.361	16.9	18.9
8 19	0 7.16	−12 33.1	1.466	2.382	13.2	18.7
8 29	0 0.18	−13 29.3	1.439	2.404	9.2	18.5
9 8	23 51.35	−14 22.1	1.437	2.426	5.8	18.4
9 18	23 41.72	−15 3.7	1.459	2.448	5.4	18.4
9 28	23 32.52	−15 27.7	1.508	2.470	8.3	18.6
10 8	23 24.85	−15 31.0	1.582	2.492	11.9	18.9
10 18	23 19.44	−15 13.9	1.677	2.514	15.1	19.2
324072 2005 WL_{26}			9 17.8 276.°66		1.°2/16.5 17	
8 9	0 4.95	− 3 21.5	2.232	3.050	13.2	21.8
8 19	0 1.49	− 3 49.3	2.139	3.039	10.4	21.6
8 29	23 56.16	− 4 26.8	2.068	3.029	7.1	21.4
9 8	23 49.38	− 5 10.5	2.023	3.018	3.5	21.2
9 18	23 41.76	− 5 55.9	2.005	3.008	1.4	21.0
9 28	23 34.11	− 6 37.7	2.015	2.997	4.7	21.2
10 8	23 27.25	− 7 11.0	2.054	2.987	8.3	21.4
10 18	23 21.84	− 7 32.4	2.117	2.976	11.5	21.6
294822 2008 CK_{127}			9 17.8 146.°51		0.°8/18.5 17 R	
8 9	0 10.27	+ 2 50.6	1.823	2.622	16.4	21.7
8 19	0 5.98	+ 2 31.1	1.746	2.631	13.1	21.5
8 29	23 59.38	+ 1 55.7	1.689	2.639	9.3	21.3
9 8	23 51.02	+ 1 7.4	1.656	2.647	4.9	21.0
9 18	23 41.74	+ 0 11.0	1.650	2.654	0.8	20.7
9 28	23 32.56	− 0 46.9	1.672	2.661	4.4	21.0
10 8	23 24.51	− 1 39.6	1.722	2.667	8.7	21.3
10 18	23 18.36	− 2 21.8	1.796	2.672	12.5	21.5
71212 1999 XX_{257}			9 17.8 231.°35		6.°1/11.4 18	
8 9	0 9.88	−18 1.3	2.177	3.012	12.9	19.2
8 19	0 5.46	−19 1.4	2.098	3.003	10.4	19.1
8 29	23 58.93	−20 2.1	2.042	2.993	7.8	18.9
9 8	23 50.79	−20 56.6	2.011	2.983	6.2	18.8
9 18	23 41.75	−21 38.2	2.008	2.973	6.6	18.8
9 28	23 32.76	−22 1.4	2.032	2.962	8.7	18.9
10 8	23 24.73	−22 3.6	2.081	2.951	11.4	19.0
10 18	23 18.40	−21 44.5	2.152	2.940	13.9	19.2
28258 1999 BM_{25}			9 17.8 247.°66		1.°1/16.7 18	
8 9	0 5.53	− 0 14.2	1.827	2.647	15.6	18.5
8 19	0 2.46	− 1 7.9	1.734	2.635	12.4	18.2
8 29	23 57.13	− 2 18.4	1.661	2.622	8.5	18.0
9 8	23 49.99	− 3 41.3	1.614	2.610	4.2	17.7
9 18	23 41.77	− 5 9.8	1.593	2.597	1.3	17.5
9 28	23 33.46	− 6 35.2	1.600	2.583	5.4	17.7
10 8	23 26.08	− 7 49.3	1.634	2.569	9.8	18.0
10 18	23 20.50	− 8 46.4	1.692	2.555	13.7	18.2

141349 2002 AO_{22} 9 17.8 198°.39 0°.5/17.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 4.85	− 1 12.8	2.909	3.706	11.0	20.9
8 19	0 0.88	− 1 44.5	2.814	3.702	8.6	20.8
8 29	23 55.45	− 2 25.0	2.743	3.698	5.9	20.6
9 8	23 48.93	− 3 11.5	2.699	3.693	2.9	20.4
9 18	23 41.80	− 4 0.6	2.683	3.688	0.6	20.2
9 28	23 34.66	− 4 48.1	2.699	3.682	3.5	20.4
10 8	23 28.13	− 5 30.1	2.743	3.676	6.5	20.6
10 18	23 22.72	− 6 3.4	2.814	3.669	9.1	20.8

446749 2015 PH_{3} 9 17.8 349°.26 7°.6/23.5 18

8 9	0 8.10	+14 17.6	1.655	2.414	19.4	19.8
8 19	0 4.91	+15 36.1	1.567	2.408	16.7	19.6
8 29	23 59.08	+16 35.9	1.497	2.402	13.6	19.4
9 8	23 51.09	+17 13.2	1.448	2.397	10.4	19.2
9 18	23 41.75	+17 26.1	1.422	2.393	8.0	19.0
9 28	23 32.25	+17 15.7	1.420	2.390	7.9	19.0
10 8	23 23.84	+16 47.6	1.444	2.388	10.1	19.1
10 18	23 17.54	+16 9.1	1.490	2.386	13.3	19.3

380390 2002 WJ_{30} 9 17.8 326°.43 0°.6/18.2 18

8 9	0 2.24	+ 1 36.7	1.240	2.087	19.9	21.2
8 19	0 0.97	+ 1 29.1	1.155	2.069	16.1	20.9
8 29	23 56.74	+ 1 0.8	1.087	2.052	11.5	20.5
9 8	23 50.04	+ 0 14.4	1.040	2.036	6.1	20.2
9 18	23 41.77	− 0 44.3	1.016	2.020	0.6	19.8
9 28	23 33.31	− 1 46.2	1.015	2.006	5.9	20.1
10 8	23 26.14	− 2 41.0	1.037	1.992	11.6	20.4
10 18	23 21.44	− 3 20.6	1.080	1.980	16.8	20.6

439574 2014 DF_{98} 9 17.8 108°.42 0°.9/18.8 17

8 9	0 6.65	+ 3 29.7	1.974	2.772	15.4	21.6
8 19	0 2.95	+ 3 10.7	1.897	2.781	12.3	21.4
8 29	23 57.19	+ 2 36.5	1.841	2.790	8.7	21.2
9 8	23 49.89	+ 1 49.9	1.809	2.799	4.7	21.0
9 18	23 41.79	+ 0 55.3	1.804	2.808	1.0	20.8
9 28	23 33.79	− 0 1.4	1.827	2.816	4.0	21.0
10 8	23 26.77	− 0 54.1	1.878	2.825	7.9	21.3
10 18	23 21.43	− 1 37.5	1.954	2.833	11.4	21.5

332464 2008 CW_{163} 9 17.8 204°.30 0°.6/17.2 17

8 9	0 9.11	− 0 12.4	1.832	2.644	15.9	22.4
8 19	0 5.21	− 0 48.1	1.745	2.640	12.6	22.2
8 29	23 58.97	− 1 38.9	1.678	2.636	8.7	21.9
9 8	23 50.90	− 2 40.7	1.636	2.631	4.4	21.7
9 18	23 41.78	− 3 47.6	1.621	2.625	0.7	21.4
9 28	23 32.64	− 4 52.3	1.634	2.619	5.1	21.7
10 8	23 24.53	− 5 47.8	1.674	2.612	9.4	21.9
10 18	23 18.29	− 6 28.9	1.738	2.604	13.3	22.2

151421 2002 EW_{151} 9 17.8 56°.78 0°.1/17.9 18

8 9	0 3.35	+ 1 33.4	2.208	3.014	13.7	19.7
8 19	0 0.18	+ 1 3.6	2.126	3.016	10.9	19.5
8 29	23 55.20	+ 0 20.7	2.065	3.019	7.6	19.3
9 8	23 48.87	− 0 32.1	2.029	3.022	3.9	19.1
9 18	23 41.82	− 1 30.5	2.020	3.025	0.1	18.8
9 28	23 34.81	− 2 28.7	2.040	3.028	3.9	19.1
10 8	23 28.62	− 3 21.3	2.088	3.031	7.5	19.3
10 18	23 23.86	− 4 3.7	2.161	3.034	10.8	19.6

517020 2012 UZ_{89} 9 17.8 253°.90 5°.3/23.7 18

8 9	0 5.42	+16 23.4	2.198	2.925	16.0	22.3
8 19	0 2.14	+16 29.7	2.087	2.908	13.8	22.1
8 29	23 56.82	+16 15.0	1.994	2.891	11.1	21.9
9 8	23 49.83	+15 38.0	1.923	2.873	8.2	21.7
9 18	23 41.80	+14 39.4	1.877	2.855	5.8	21.5
9 28	23 33.60	+13 22.9	1.859	2.836	5.6	21.5
10 8	23 26.14	+11 55.3	1.869	2.817	7.9	21.6
10 18	23 20.23	+10 24.5	1.905	2.797	11.0	21.7

446136 2013 EV_{60} 9 17.8 262°.03 0°.2/17.7 18

8 9	0 5.63	− 0 11.2	2.113	2.922	14.1	21.5
8 19	0 2.11	− 0 30.9	2.024	2.918	11.2	21.3
8 29	23 56.64	− 1 2.6	1.956	2.913	7.8	21.0
9 8	23 49.65	− 1 43.3	1.914	2.908	3.9	20.8
9 18	23 41.81	− 2 28.7	1.899	2.903	0.2	20.5
9 28	23 33.97	− 3 13.4	1.912	2.899	4.2	20.8
10 8	23 26.98	− 3 52.2	1.952	2.894	8.1	21.0
10 18	23 21.54	− 4 20.9	2.018	2.889	11.5	21.2

260550 2005 EE_{187} 9 17.8 84°.45 0°.7/18.5 17

8 9	0 9.08	+ 2 59.8	1.470	2.287	18.8	21.2
8 19	0 5.49	+ 2 37.8	1.406	2.302	15.0	21.0
8 29	23 59.25	+ 1 56.7	1.361	2.317	10.5	20.8
9 8	23 51.02	+ 1 0.2	1.338	2.331	5.6	20.5
9 18	23 41.79	− 0 5.2	1.341	2.346	0.8	20.2
9 28	23 32.79	− 1 11.2	1.370	2.360	5.0	20.6
10 8	23 25.20	− 2 9.5	1.425	2.374	9.8	20.9
10 18	23 19.83	− 2 54.1	1.503	2.388	13.9	21.2

132546 2002 JA_{74} 9 17.8 41°.21 2°.6/20.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 1.90	+ 9 51.1	1.517	2.317	19.1	19.0
8 19	23 59.80	+ 9 14.1	1.451	2.331	15.6	18.8
8 29	23 55.31	+ 8 11.0	1.403	2.346	11.5	18.6
9 8	23 49.03	+ 6 45.0	1.377	2.361	6.9	18.4
9 18	23 41.83	+ 5 2.6	1.376	2.376	2.9	18.2
9 28	23 34.81	+ 3 13.6	1.401	2.392	4.6	18.3
10 8	23 29.01	+ 1 28.9	1.452	2.409	8.9	18.6
10 18	23 25.19	− 0 2.2	1.528	2.425	12.9	18.9

29665 1998 WD_{24} 9 17.8 106°.67 0°.6/18.4 18

8 9	0 9.29	+ 1 26.8	2.302	3.092	13.7	17.8
8 19	0 4.60	+ 1 18.8	2.229	3.110	10.9	17.7
8 29	23 58.10	+ 0 59.7	2.179	3.128	7.6	17.5
9 8	23 50.28	+ 0 32.0	2.155	3.146	4.0	17.3
9 18	23 41.82	− 0 0.9	2.158	3.163	0.6	17.1
9 28	23 33.52	− 0 34.7	2.191	3.180	3.6	17.4
10 8	23 26.14	− 1 5.0	2.253	3.196	7.1	17.6
10 18	23 20.27	− 1 28.4	2.341	3.212	10.1	17.8

47376 1999 XW_{94} 9 17.8 15°.17 1°.7/16.4 18

8 9	0 7.71	− 4 47.6	1.708	2.541	15.9	17.6
8 19	0 4.16	− 5 6.3	1.633	2.542	12.5	17.3
8 29	23 58.24	− 5 35.0	1.580	2.544	8.6	17.1
9 8	23 50.52	− 6 9.3	1.550	2.546	4.3	16.9
9 18	23 41.83	− 6 43.5	1.546	2.549	1.9	16.7
9 28	23 33.25	− 7 11.7	1.569	2.551	5.7	17.0
10 8	23 25.82	− 7 28.8	1.618	2.555	9.8	17.2
10 18	23 20.33	− 7 31.9	1.691	2.558	13.5	17.5

41953 2000 XK_{16} 9 17.8 155°.37 0°.6/18.5 18 R

8 9	0 7.90	+ 0 58.2	2.308	3.103	13.5	19.5
8 19	0 3.66	+ 0 58.1	2.221	3.105	10.8	19.3
8 29	23 57.57	+ 0 47.5	2.156	3.106	7.6	19.1
9 8	23 50.09	+ 0 28.4	2.117	3.108	4.0	18.9
9 18	23 41.84	+ 0 3.9	2.105	3.110	0.6	18.6
9 28	23 33.63	− 0 22.1	2.123	3.111	3.7	18.8
10 8	23 26.25	− 0 45.5	2.168	3.112	7.2	19.1
10 18	23 20.34	− 1 2.6	2.240	3.113	10.4	19.3

200530 2001 DR_{7} 9 17.8 99°.53 5°.2/12.1 18

8 9	0 11.51	−16 3.0	2.278	3.106	12.6	20.1
8 19	0 6.24	−17 8.7	2.233	3.136	9.9	20.0
8 29	23 59.13	−18 14.5	2.211	3.165	7.2	19.9
9 8	23 50.75	−19 13.8	2.217	3.193	5.4	19.8
9 18	23 41.84	−20 0.8	2.250	3.220	5.6	19.9
9 28	23 33.23	−20 31.1	2.312	3.247	7.5	20.0
10 8	23 25.70	−20 42.9	2.400	3.273	9.9	20.2
10 18	23 19.82	−20 36.2	2.511	3.298	12.2	20.4

434250 2003 US_{56} 9 17.8 359°.14 10°.7/11.3 18

8 9	0 10.14	−23 51.4	1.206	2.077	18.9	19.3
8 19	0 7.20	−24 40.8	1.153	2.073	15.7	19.0
8 29	0 0.87	−25 22.6	1.118	2.070	12.7	18.9
9 8	23 51.97	−25 45.2	1.103	2.069	10.9	18.8
9 18	23 41.82	−25 39.2	1.109	2.069	11.3	18.8
9 28	23 32.07	−24 59.2	1.137	2.070	13.7	18.9
10 8	23 24.21	−23 46.3	1.186	2.074	16.8	19.2
10 18	23 19.20	−22 6.0	1.254	2.078	20.0	19.4

66949 1999 XO_{7} 9 17.8 296°.20 1°.4/16.9 18

8 9	0 11.42	− 5 11.0	1.761	2.586	15.9	17.4
8 19	0 7.28	− 5 8.1	1.666	2.569	12.7	17.1
8 29	0 0.60	− 5 13.4	1.591	2.553	8.8	16.8
9 8	23 51.84	− 5 23.4	1.540	2.536	4.4	16.5
9 18	23 41.82	− 5 33.9	1.516	2.520	1.5	16.3
9 28	23 31.68	− 5 39.9	1.519	2.503	5.6	16.5
10 8	23 22.59	− 5 37.0	1.549	2.487	10.0	16.8
10 18	23 15.52	− 5 22.7	1.602	2.471	14.1	17.0

211803 2004 DX_{5} 9 17.8 350°.82 0°.4/18.2 18

8 9	0 6.75	+ 0 13.5	1.692	2.513	16.6	20.2
8 19	0 3.51	+ 0 15.1	1.611	2.510	13.3	20.0
8 29	23 57.89	+ 0 3.2	1.549	2.507	9.3	19.8
9 8	23 50.40	− 0 19.3	1.511	2.505	4.9	19.5
9 18	23 41.85	− 0 48.6	1.498	2.503	0.4	19.2
9 28	23 33.33	− 1 18.9	1.513	2.502	4.7	19.5
10 8	23 25.91	− 1 44.5	1.553	2.501	9.2	19.8
10 18	23 20.43	− 2 0.8	1.616	2.501	13.1	20.0

432708 2011 CU_{22} 9 17.8 185°.78 0°.1/17.9 17

8 9	0 10.79	+ 0 40.2	2.075	2.872	14.8	22.3
8 19	0 6.20	+ 0 22.3	1.986	2.872	11.8	22.1
8 29	23 59.48	− 0 8.3	1.919	2.871	8.2	21.9
9 8	23 51.13	− 0 48.7	1.877	2.870	4.2	21.6
9 18	23 41.85	− 1 34.6	1.863	2.868	0.1	21.3
9 28	23 32.58	− 2 20.7	1.879	2.866	4.3	21.6
10 8	23 24.27	− 3 1.3	1.922	2.862	8.3	21.9
10 18	23 17.66	− 3 32.2	1.991	2.858	11.8	22.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
226509 2003 TB_{16}			9 17.8 347°.77		1°.1/16.5 18	
	h m	° ′			°	m
8 9	0 0.65	− 1 6.3	2.012	2.838	14.1	20.0
8 19	23 58.31	− 1 56.5	1.928	2.833	11.1	19.8
8 29	23 54.07	− 3 0.4	1.866	2.829	7.6	19.6
9 8	23 48.39	− 4 13.5	1.829	2.826	3.7	19.3
9 18	23 41.89	− 5 29.8	1.819	2.823	1.3	19.1
9 28	23 35.41	− 6 42.2	1.837	2.820	4.9	19.4
10 8	23 29.77	− 7 44.2	1.882	2.818	8.7	19.6
10 18	23 25.64	− 8 31.2	1.951	2.817	12.1	19.8
68887 2002 JP_{72}			9 17.8 59°.03		1°.0/16.6 18	
8 9	0 2.36	− 1 18.6	2.248	3.064	13.2	19.7
8 19	23 59.38	− 2 8.4	2.168	3.068	10.3	19.5
8 29	23 54.65	− 3 10.0	2.111	3.071	7.0	19.3
9 8	23 48.62	− 4 19.2	2.079	3.075	3.4	19.1
9 18	23 41.90	− 5 30.7	2.075	3.078	1.2	18.9
9 28	23 35.24	− 6 38.2	2.099	3.082	4.5	19.1
10 8	23 29.36	− 7 36.3	2.152	3.085	7.9	19.4
10 18	23 24.87	− 8 20.9	2.230	3.089	11.0	19.6
379542 2011 AQ_{3}			9 17.8 165°.49		3°.1/20.7 17	
8 9	0 9.37	+ 8 40.6	1.810	2.587	17.3	21.9
8 19	0 5.45	+ 8 38.9	1.726	2.591	14.3	21.7
8 29	23 59.16	+ 8 17.5	1.660	2.594	10.6	21.4
9 8	23 51.04	+ 7 37.3	1.618	2.597	6.6	21.2
9 18	23 41.88	+ 6 41.6	1.602	2.600	3.3	21.0
9 28	23 32.75	+ 5 36.2	1.613	2.601	4.6	21.1
10 8	23 24.70	+ 4 29.0	1.651	2.603	8.4	21.3
10 18	23 18.57	+ 3 27.1	1.715	2.604	12.2	21.6
273676 2007 EJ_{8}			9 17.8 127°.42		0°.1/17.9 18	
8 9	0 6.28	+ 2 33.9	1.778	2.588	16.3	21.1
8 19	0 2.94	+ 1 52.4	1.701	2.595	13.0	20.9
8 29	23 57.36	+ 0 53.4	1.646	2.601	9.1	20.7
9 8	23 50.09	− 0 19.0	1.614	2.607	4.6	20.4
9 18	23 41.90	− 1 38.6	1.609	2.614	0.1	20.1
9 28	23 33.80	− 2 57.5	1.632	2.619	4.6	20.5
10 8	23 26.78	− 4 7.8	1.681	2.625	9.0	20.7
10 18	23 21.59	− 5 3.9	1.756	2.630	12.7	21.0
380723 2005 QO_{139}			9 17.8 334°.48		1°.1/17.1 18	
8 9	0 7.27	− 2 26.3	1.397	2.238	18.4	20.8
8 19	0 4.49	− 2 39.8	1.319	2.232	14.6	20.6
8 29	23 58.89	− 3 7.7	1.260	2.226	10.1	20.3
9 8	23 51.04	− 3 45.8	1.224	2.221	5.1	20.0
9 18	23 41.89	− 4 27.9	1.211	2.216	1.2	19.7
9 28	23 32.74	− 5 6.1	1.224	2.211	6.1	20.0
10 8	23 24.93	− 5 33.5	1.262	2.207	11.1	20.3
10 18	23 19.44	− 5 45.4	1.321	2.204	15.6	20.6
139206 2001 FE_{176}			9 17.8 208°.50		4°.4/13.7 18	
8 9	0 9.56	− 9 32.7	1.773	2.611	15.3	20.3
8 19	0 5.67	−10 38.3	1.694	2.606	12.0	20.0
8 29	23 59.36	−11 52.9	1.637	2.601	8.4	19.8
9 8	23 51.16	−13 9.1	1.605	2.596	5.1	19.6
9 18	23 41.90	−14 18.7	1.600	2.590	4.8	19.6
9 28	23 32.66	−15 13.7	1.622	2.584	7.9	19.8
10 8	23 24.54	−15 48.5	1.669	2.577	11.6	20.0
10 18	23 18.38	−16 1.0	1.739	2.569	15.0	20.2
49129 1998 SW_{23}			9 17.8 212°.38		4°.2/14.5 18	
8 9	0 11.18	−10 2.2	1.633	2.473	16.2	18.8
8 19	0 7.10	−10 43.5	1.558	2.471	12.8	18.6
8 29	0 0.42	−11 31.9	1.505	2.469	8.9	18.4
9 8	23 51.71	−12 20.7	1.475	2.467	5.2	18.1
9 18	23 41.89	−13 2.6	1.471	2.465	4.5	18.1
9 28	23 32.18	−13 30.3	1.494	2.462	7.7	18.3
10 8	23 23.74	−13 39.4	1.542	2.460	11.7	18.5
10 18	23 17.46	−13 28.6	1.613	2.457	15.3	18.7
273551 2007 BY_{61}			9 17.8 318°.31		0°.3/17.7 18	
8 9	0 4.81	− 0 30.8	1.303	2.149	19.2	20.7
8 19	0 2.93	− 0 39.3	1.216	2.130	15.5	20.4
8 29	23 58.10	− 1 5.3	1.147	2.112	10.9	20.1
9 8	23 50.79	− 1 45.7	1.098	2.095	5.6	19.8
9 18	23 41.90	− 2 34.5	1.073	2.078	0.3	19.3
9 28	23 32.82	− 3 23.3	1.073	2.062	6.1	19.7
10 8	23 24.99	− 4 3.1	1.095	2.047	11.7	20.0
10 18	23 19.60	− 4 27.4	1.139	2.032	16.7	20.2
150118 Petersberg			9 17.9 7°.98		1°.1/18.7 18	
8 9	0 1.60	+ 1 19.8	1.326	2.170	19.0	18.5
8 19	23 59.95	+ 1 33.2	1.262	2.174	15.3	18.2
8 29	23 55.66	+ 1 29.8	1.217	2.179	10.8	18.0
9 8	23 49.34	+ 1 12.2	1.192	2.186	5.8	17.7
9 18	23 41.94	+ 0 45.1	1.191	2.195	1.2	17.5
9 28	23 34.69	+ 0 14.9	1.214	2.206	5.0	17.8
10 8	23 28.77	− 0 11.2	1.261	2.218	9.8	18.1
10 18	23 25.05	− 0 27.9	1.330	2.232	14.1	18.4

2020	α_{2000}	δ_{2000}	Δ	r	β	V
86377 2000 AQ_{12}			9 17.9 309°.04		2°.9/23.6 18	
	h m	° ′			°	m
8 9	23 58.62	+14 23.5	4.212	4.923	9.1	19.5
8 19	23 55.65	+14 28.7	4.107	4.919	7.7	19.4
8 29	23 51.70	+14 23.6	4.022	4.915	6.1	19.3
9 8	23 47.04	+14 8.3	3.963	4.911	4.5	19.1
9 18	23 41.98	+13 43.9	3.931	4.907	3.2	19.0
9 28	23 36.90	+13 12.0	3.929	4.903	3.1	19.0
10 8	23 32.19	+12 35.2	3.955	4.899	4.3	19.1
10 18	23 28.20	+11 56.2	4.010	4.895	5.9	19.2
66123 1998 SD_{87}			9 17.9 315°.60		3°.4/21.9 18	
8 9	0 2.78	+11 10.2	2.286	3.046	14.6	19.4
8 19	23 59.81	+11 6.5	2.192	3.043	12.2	19.3
8 29	23 55.04	+10 45.3	2.117	3.040	9.3	19.1
9 8	23 48.89	+10 7.1	2.066	3.037	6.2	18.9
9 18	23 41.95	+ 9 14.2	2.042	3.034	3.7	18.7
9 28	23 34.99	+ 8 11.1	2.045	3.031	4.1	18.7
10 8	23 28.78	+ 7 3.8	2.076	3.028	6.9	18.9
10 18	23 23.98	+ 5 58.4	2.133	3.026	10.0	19.1
479458 2013 YM_{129}			9 17.9 268°.34		3°.3/20.7 18	
8 9	0 7.29	+ 8 9.4	1.751	2.537	17.5	21.5
8 19	0 4.06	+ 8 19.9	1.656	2.527	14.5	21.2
8 29	23 58.39	+ 8 11.4	1.581	2.517	10.9	21.0
9 8	23 50.76	+ 7 44.1	1.528	2.508	6.9	20.7
9 18	23 41.93	+ 7 0.4	1.500	2.498	3.6	20.5
9 28	23 32.97	+ 6 5.5	1.499	2.488	4.8	20.6
10 8	23 25.02	+ 5 6.7	1.524	2.477	8.8	20.8
10 18	23 18.99	+ 4 11.6	1.574	2.467	12.8	21.0
472523 2015 CP_{48}			9 17.9 62°.62		1°.1/17.1 17	
8 9	0 11.62	− 3 14.4	1.483	2.314	18.0	20.6
8 19	0 7.56	− 3 21.0	1.416	2.322	14.3	20.4
8 29	0 0.76	− 3 39.6	1.368	2.331	9.8	20.2
9 8	23 51.88	− 4 5.9	1.343	2.339	4.9	19.9
9 18	23 41.92	− 4 34.4	1.344	2.348	1.2	19.7
9 28	23 32.17	− 4 58.6	1.371	2.357	5.7	20.0
10 8	23 23.85	− 5 13.1	1.424	2.366	10.4	20.3
10 18	23 17.84	− 5 14.5	1.499	2.375	14.5	20.6
520534 2014 MX_{74}			9 17.9 98°.79		3°.0/14.8 15	
8 9	0 8.03	− 9 39.7	2.267	3.093	12.7	21.9
8 19	0 3.74	−10 10.8	2.195	3.101	9.9	21.7
8 29	23 57.60	−10 46.5	2.147	3.109	6.8	21.5
9 8	23 50.12	−11 22.3	2.125	3.117	3.9	21.4
9 18	23 41.96	−11 53.3	2.131	3.125	3.2	21.3
9 28	23 33.94	−12 15.0	2.165	3.133	5.7	21.5
10 8	23 26.83	−12 24.4	2.226	3.141	8.7	21.7
10 18	23 21.24	−12 20.0	2.312	3.148	11.5	21.9
488367 2016 WA_{31}			9 17.9 323°.89		8°.8/ 8.7 18	
8 9	0 4.73	−20 35.6	1.653	2.514	15.1	20.6
8 19	0 2.19	−22 13.1	1.586	2.503	12.4	20.4
8 29	23 57.13	−23 50.8	1.541	2.492	9.9	20.3
9 8	23 50.09	−25 18.2	1.520	2.482	8.8	20.2
9 18	23 41.96	−26 25.3	1.523	2.473	9.7	20.2
9 28	23 33.87	−27 4.1	1.550	2.463	12.1	20.3
10 8	23 26.98	−27 11.5	1.599	2.455	14.9	20.5
10 18	23 22.15	−26 48.4	1.666	2.447	17.6	20.7
443529 2014 JS_{70}			9 17.9 180°.47		1°.3/16.4 18	
8 9	0 7.77	− 3 44.7	2.439	3.247	12.5	22.2
8 19	0 3.47	− 4 15.8	2.353	3.248	9.8	22.1
8 29	23 57.42	− 4 55.4	2.290	3.249	6.7	21.9
9 8	23 50.05	− 5 40.1	2.254	3.249	3.3	21.6
9 18	23 41.97	− 6 25.4	2.246	3.249	1.4	21.5
9 28	23 33.92	− 7 6.6	2.268	3.248	4.4	21.7
10 8	23 26.65	− 7 39.3	2.318	3.246	7.7	21.9
10 18	23 20.78	− 8 0.8	2.394	3.245	10.7	22.1
94159 2001 AG_{14}			9 17.9 358°.62		4°.3/14.1 18	
8 9	23 57.77	− 5 50.6	1.159	2.037	19.0	17.5
8 19	23 57.38	− 7 4.4	1.096	2.032	14.8	17.3
8 29	23 54.15	− 8 35.3	1.053	2.029	10.1	17.0
9 8	23 48.69	−10 13.7	1.030	2.027	5.6	16.8
9 18	23 41.98	−11 47.5	1.030	2.027	4.9	16.7
9 28	23 35.37	−13 4.2	1.053	2.029	9.0	17.0
10 8	23 30.18	−13 54.8	1.098	2.032	13.7	17.2
10 18	23 27.34	−14 15.7	1.163	2.036	17.9	17.5
253642 2003 UM_{116}			9 17.9 316°.94		1°.1/17.0 18	
8 9	0 2.24	− 0 42.7	1.203	2.059	19.9	20.3
8 19	0 1.16	− 1 11.2	1.116	2.037	16.0	20.0
8 29	23 57.05	− 2 1.0	1.046	2.016	11.2	19.6
9 8	23 50.35	− 3 7.9	0.997	1.995	5.6	19.2
9 18	23 41.96	− 4 24.0	0.970	1.975	1.3	18.9
9 28	23 33.30	− 5 38.2	0.967	1.955	6.9	19.2
10 8	23 25.93	− 6 39.0	0.986	1.937	12.8	19.5
10 18	23 21.09	− 7 18.4	1.025	1.919	18.1	19.7

136829 1997 SL_{32} 9 17.9 310°.44 1°.0/17.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 6.19	− 2 35.6	1.801	2.627	15.5	19.8
8 19	0 3.03	− 2 52.7	1.712	2.616	12.3	19.6
8 29	23 57.57	− 3 21.6	1.643	2.605	8.5	19.3
9 8	23 50.30	− 3 58.7	1.598	2.594	4.3	19.1
9 18	23 41.97	− 4 39.0	1.580	2.584	1.1	18.8
9 28	23 33.58	− 5 16.2	1.588	2.574	5.2	19.1
10 8	23 26.17	− 5 44.7	1.623	2.564	9.5	19.3
10 18	23 20.58	− 6 0.4	1.681	2.554	13.3	19.5

313271 2001 YF_{63} 9 17.9 293°.23 3°.9/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.86	− 6 50.1	1.303	2.159	18.7	20.8
8 19	0 5.33	− 7 36.0	1.222	2.144	14.8	20.5
8 29	23 59.75	− 8 36.0	1.160	2.130	10.3	20.2
9 8	23 51.63	− 9 42.8	1.119	2.116	5.6	19.9
9 18	23 41.95	−10 46.9	1.103	2.102	4.2	19.8
9 28	23 32.16	−11 37.8	1.111	2.088	8.5	20.0
10 8	23 23.74	−12 7.6	1.142	2.074	13.5	20.3
10 18	23 17.87	−12 12.7	1.194	2.060	18.0	20.5

166106 2002 CH_{170} 9 17.9 141°.20 1°.8/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 12.47	− 4 2.6	1.560	2.388	17.4	20.1
8 19	0 8.15	− 4 29.0	1.489	2.395	13.7	19.8
8 29	0 1.15	− 5 7.4	1.438	2.401	9.4	19.6
9 8	23 52.09	− 5 52.8	1.410	2.406	4.7	19.4
9 18	23 41.95	− 6 38.6	1.409	2.411	2.0	19.2
9 28	23 31.96	− 7 17.4	1.434	2.416	6.1	19.5
10 8	23 23.33	− 7 43.4	1.485	2.421	10.6	19.8
10 18	23 16.95	− 7 53.3	1.560	2.425	14.6	20.0

337283 2000 WR_{67} 9 17.9 290°.94 3°.9/21.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.56	+10 44.1	1.961	2.726	16.6	22.2
8 19	0 4.40	+10 47.8	1.830	2.684	14.1	22.0
8 29	23 58.83	+10 31.3	1.717	2.642	10.9	21.7
9 8	23 51.15	+ 9 53.5	1.626	2.599	7.3	21.4
9 18	23 41.96	+ 8 55.1	1.562	2.556	4.2	21.1
9 28	23 32.22	+ 7 40.1	1.524	2.511	5.1	21.0
10 8	23 23.09	+ 6 16.1	1.514	2.466	9.0	21.2
10 18	23 15.64	+ 4 52.0	1.530	2.420	13.3	21.3

19224 Orosei 9 17.9 347°.77 6°.4/22.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 0.26	+12 14.5	1.107	1.927	23.5	18.0
8 19	23 59.73	+12 50.5	1.033	1.919	20.0	17.7
8 29	23 56.09	+12 56.4	0.973	1.912	15.7	17.4
9 8	23 49.84	+12 29.6	0.931	1.906	11.0	17.1
9 18	23 41.98	+11 31.2	0.909	1.901	7.0	16.9
9 28	23 34.02	+10 8.6	0.909	1.898	7.2	16.9
10 8	23 27.53	+ 8 34.8	0.931	1.895	11.3	17.1
10 18	23 23.72	+ 7 3.5	0.974	1.895	16.1	17.4

310083 2010 LB_{83} 9 17.9 223°.20 11°.1/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 12.61	+27 36.9	2.061	2.703	19.1	20.1
8 19	0 8.34	+29 11.2	1.967	2.699	17.4	19.9
8 29	0 1.48	+30 23.7	1.888	2.695	15.5	19.8
9 8	23 52.43	+31 9.0	1.829	2.692	13.5	19.6
9 18	23 41.96	+31 22.7	1.790	2.688	11.8	19.5
9 28	23 31.20	+31 3.9	1.775	2.683	11.1	19.5
10 8	23 21.39	+30 16.7	1.784	2.679	11.7	19.5
10 18	23 13.56	+29 8.5	1.816	2.674	13.2	19.6

408372 2013 GH_{95} 9 17.9 119°.52 4°.2/13.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 8.08	−13 54.4	2.377	3.208	12.1	21.2
8 19	0 3.71	−14 37.4	2.309	3.215	9.5	21.1
8 29	23 57.56	−15 22.3	2.265	3.223	6.8	20.9
9 8	23 50.10	−16 3.9	2.246	3.230	4.6	20.8
9 18	23 42.01	−16 37.2	2.256	3.238	4.5	20.8
9 28	23 34.05	−16 57.8	2.294	3.245	6.6	21.0
10 8	23 26.99	−17 3.2	2.358	3.252	9.3	21.1
10 18	23 21.40	−16 52.8	2.447	3.258	11.7	21.3

152268 2005 SV_{193} 9 17.9 269°.54 2°.4/20.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.13	+ 8 37.7	2.271	3.044	14.3	20.4
8 19	0 0.15	+ 8 21.5	2.170	3.033	11.8	20.2
8 29	23 55.34	+ 7 48.0	2.089	3.022	8.8	20.0
9 8	23 49.10	+ 6 58.6	2.032	3.011	5.5	19.8
9 18	23 42.02	+ 5 56.2	2.001	3.000	2.6	19.6
9 28	23 34.86	+ 4 45.8	2.000	2.989	3.7	19.6
10 8	23 28.43	+ 3 33.9	2.026	2.978	7.1	19.8
10 18	23 23.40	+ 2 26.7	2.079	2.967	10.5	20.0

234853 2002 RU_{220} 9 17.9 69°.78 1°.8/16.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 9.14	− 4 42.8	1.766	2.594	15.7	20.2
8 19	0 5.09	− 5 8.4	1.703	2.608	12.3	20.0
8 29	23 58.78	− 5 43.9	1.660	2.623	8.4	19.8
9 8	23 50.80	− 6 24.3	1.641	2.637	4.2	19.6
9 18	23 42.02	− 7 3.9	1.649	2.651	2.0	19.4
9 28	23 33.45	− 7 36.8	1.685	2.666	5.5	19.7
10 8	23 26.07	− 7 58.2	1.747	2.680	9.4	20.0
10 18	23 20.60	− 8 5.6	1.833	2.695	12.9	20.2

493634 2015 PO_{115} 9 17.9 20°.78 1°.8/16.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 5.71	− 3 59.2	1.763	2.596	15.5	21.4
8 19	0 2.55	− 4 31.7	1.689	2.598	12.2	21.1
8 29	23 57.15	− 5 15.6	1.636	2.601	8.3	20.9
9 8	23 50.04	− 6 6.0	1.607	2.604	4.2	20.7
9 18	23 42.02	− 6 56.7	1.605	2.607	1.9	20.5
9 28	23 34.10	− 7 41.1	1.629	2.611	5.6	20.8
10 8	23 27.25	− 8 13.5	1.680	2.615	9.6	21.0
10 18	23 22.24	− 8 30.7	1.753	2.619	13.2	21.3

268278 2005 PX_{23} 9 17.9 237°.78 1°.1/18.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 10.88	+ 2 13.2	1.846	2.645	16.2	21.2
8 19	0 6.75	+ 2 13.7	1.750	2.635	13.1	21.0
8 29	0 0.20	+ 2 0.0	1.674	2.624	9.4	20.7
9 8	23 51.69	+ 1 34.0	1.622	2.612	5.1	20.5
9 18	23 42.01	+ 0 59.0	1.597	2.601	1.1	20.2
9 28	23 32.20	+ 0 20.5	1.599	2.589	4.5	20.4
10 8	23 23.38	− 0 15.5	1.629	2.576	8.9	20.6
10 18	23 16.46	− 0 43.7	1.684	2.563	13.0	20.8

428538 2008 BF_{32} 9 17.9 252°.55 1°.9/16.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 7.09	− 2 13.6	1.605	2.436	16.9	22.2
8 19	0 4.09	− 3 4.5	1.517	2.425	13.4	21.9
8 29	23 58.53	− 4 12.1	1.450	2.414	9.2	21.6
9 8	23 50.89	− 5 31.0	1.406	2.402	4.6	21.3
9 18	23 42.02	− 6 53.4	1.388	2.390	2.1	21.1
9 28	23 33.05	− 8 9.8	1.396	2.378	6.4	21.4
10 8	23 25.18	− 9 11.9	1.431	2.365	11.0	21.6
10 18	23 19.36	− 9 54.2	1.488	2.353	15.2	21.9

202671 2006 KA_{121} 9 17.9 153°.89 2°.1/20.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 5.38	+ 9 11.9	2.254	3.020	14.6	20.7
8 19	0 1.80	+ 8 37.3	2.167	3.027	12.0	20.5
8 29	23 56.38	+ 7 44.4	2.100	3.033	8.8	20.3
9 8	23 49.58	+ 6 35.2	2.059	3.039	5.3	20.1
9 18	23 42.04	+ 5 13.7	2.045	3.044	2.3	19.9
9 28	23 34.55	+ 3 46.1	2.060	3.049	3.6	20.0
10 8	23 27.89	+ 2 19.4	2.104	3.054	7.0	20.3
10 18	23 22.70	+ 1 0.1	2.175	3.058	10.3	20.5

182122 Sepan 9 17.9 229°.90 2°.9/14.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 4.59	− 7 10.8	2.286	3.113	12.6	21.3
8 19	0 1.21	− 8 11.6	2.199	3.106	9.8	21.1
8 29	23 56.02	− 9 21.1	2.136	3.099	6.7	20.9
9 8	23 49.43	−10 34.0	2.099	3.092	3.8	20.7
9 18	23 42.05	−11 44.2	2.090	3.084	3.2	20.7
9 28	23 34.67	−12 45.4	2.109	3.076	5.9	20.8
10 8	23 28.05	−13 32.7	2.156	3.068	9.1	21.0
10 18	23 22.86	−14 3.1	2.227	3.060	12.0	21.2

114103 2002 VA_{42} 9 17.9 159°.66 4°.4/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 8.49	− 9 8.5	1.672	2.514	15.8	19.7
8 19	0 4.90	−10 15.7	1.602	2.517	12.4	19.5
8 29	23 58.86	−11 31.9	1.554	2.519	8.6	19.3
9 8	23 50.95	−12 49.7	1.530	2.522	5.2	19.1
9 18	23 42.03	−14 0.3	1.532	2.523	4.8	19.0
9 28	23 33.23	−14 55.5	1.561	2.525	7.9	19.2
10 8	23 25.63	−15 30.0	1.615	2.526	11.7	19.5
10 18	23 20.05	−15 41.8	1.692	2.528	15.1	19.7

13819 1999 SX_{5} 9 17.9 328°.10 13°.2/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	23 49.46	−16 39.5	0.998	1.909	18.5	16.0
8 19	23 51.60	−20 48.6	0.927	1.876	15.3	15.6
8 29	23 50.80	−25 22.7	0.878	1.844	13.3	15.4
9 8	23 47.35	−29 55.9	0.852	1.812	14.1	15.3
9 18	23 42.07	−33 58.5	0.850	1.783	17.4	15.4
9 28	23 36.45	−37 5.4	0.867	1.755	21.7	15.6
10 8	23 32.22	−39 4.5	0.899	1.729	25.8	15.7
10 18	23 30.80	−39 55.9	0.943	1.705	29.3	15.9

493751 2015 TR_{256} 9 17.9 274°.29 0°.8/17.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 8.59	− 3 54.1	2.505	3.310	12.3	22.0
8 19	0 4.23	− 3 58.1	2.401	3.293	9.7	21.8
8 29	23 58.06	− 4 9.2	2.319	3.276	6.7	21.6
9 8	23 50.48	− 4 24.8	2.264	3.258	3.4	21.4
9 18	23 42.05	− 4 41.7	2.237	3.241	0.9	21.1
9 28	23 33.53	− 4 56.3	2.239	3.223	4.1	21.4
10 8	23 25.71	− 5 5.1	2.271	3.205	7.5	21.6
10 18	23 19.24	− 5 5.5	2.328	3.187	10.6	21.7

88107 2000 WJ_{91} 9 17.9 354°.55 4°.6/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 3.49	+13 8.2	2.012	2.770	16.4	19.3
8 19	0 0.68	+13 20.5	1.923	2.768	13.8	19.1
8 29	23 55.84	+13 12.8	1.852	2.767	10.8	18.9
9 8	23 49.41	+12 44.9	1.803	2.766	7.6	18.7
9 18	23 42.07	+11 58.4	1.779	2.765	5.0	18.6
9 28	23 34.70	+10 57.7	1.782	2.765	5.1	18.6
10 8	23 28.21	+ 9 49.5	1.812	2.765	7.7	18.8
10 18	23 23.33	+ 8 41.1	1.868	2.765	10.9	18.9

179388 2001 YK_{49} 9 17.9 330°.15 2°.6/15.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 5.53	− 6 34.2	1.790	2.629	15.1	19.7
8 19	0 2.49	− 7 4.3	1.707	2.620	11.9	19.5
8 29	23 57.20	− 7 43.6	1.646	2.612	8.1	19.2
9 8	23 50.13	− 8 27.2	1.608	2.604	4.3	19.0
9 18	23 42.07	− 9 8.9	1.596	2.596	2.8	18.9
9 28	23 34.00	− 9 42.4	1.612	2.589	6.2	19.1
10 8	23 26.95	−10 2.6	1.652	2.583	10.1	19.3
10 18	23 21.72	−10 6.6	1.716	2.576	13.7	19.5

190271 2008 HG_{5} 9 17.9 83°.38 1°.9/20.1 18

8 9	0 3.37	+ 7 31.2	2.197	2.977	14.5	20.9
8 19	0 0.25	+ 7 4.5	2.117	2.986	11.8	20.7
8 29	23 55.33	+ 6 21.0	2.056	2.995	8.6	20.5
9 8	23 49.06	+ 5 22.7	2.021	3.004	5.1	20.3
9 18	23 42.09	+ 4 13.7	2.012	3.013	2.0	20.2
9 28	23 35.19	+ 2 59.8	2.032	3.022	3.6	20.3
10 8	23 29.13	+ 1 47.5	2.080	3.031	7.0	20.5
10 18	23 24.50	+ 0 42.5	2.154	3.040	10.3	20.7

322742 2000 TJ_{45} 9 17.9 331°.55 6°.9/12.9 18

8 9	0 2.99	−11 31.4	1.066	1.950	19.8	19.8
8 19	0 2.07	−12 37.9	0.996	1.934	15.8	19.5
8 29	23 57.82	−13 56.1	0.944	1.919	11.3	19.2
9 8	23 50.79	−15 14.9	0.912	1.905	7.6	18.9
9 18	23 42.07	−16 21.4	0.902	1.892	7.6	18.9
9 28	23 33.30	−17 2.9	0.913	1.880	11.6	19.1
10 8	23 26.14	−17 12.3	0.945	1.869	16.4	19.3
10 18	23 21.82	−16 48.4	0.993	1.860	20.8	19.6

23081 1999 XQ_{105} 9 17.9 65°.66 9°.2/ 8.9 18

8 9	0 9.56	−23 10.8	1.679	2.530	15.4	18.2
8 19	0 5.68	−24 45.4	1.638	2.545	12.6	18.0
8 29	23 59.29	−26 14.6	1.619	2.561	10.3	17.9
9 8	23 51.09	−27 28.3	1.624	2.577	9.2	17.9
9 18	23 42.07	−28 17.9	1.654	2.592	9.9	18.0
9 28	23 33.41	−28 38.4	1.707	2.608	11.9	18.2
10 8	23 26.17	−28 28.9	1.782	2.624	14.3	18.4
10 18	23 21.06	−27 52.3	1.877	2.640	16.6	18.6

34907 3527 $P–L$ 9 17.9 126°.54 5°.7/22.7 18

8 9	0 9.71	+13 12.3	1.528	2.297	20.3	18.7
8 19	0 6.27	+13 39.1	1.450	2.303	17.2	18.5
8 29	0 0.08	+13 41.4	1.389	2.308	13.4	18.3
9 8	23 51.70	+13 17.8	1.348	2.313	9.4	18.1
9 18	23 42.08	+12 29.9	1.331	2.318	6.2	17.9
9 28	23 32.48	+11 23.1	1.339	2.322	6.3	18.0
10 8	23 24.17	+10 6.8	1.373	2.326	9.6	18.2
10 18	23 18.14	+ 8 50.8	1.431	2.331	13.5	18.4

126943 2002 FX 9 17.9 108°.82 0°.3/17.6 18

8 9	0 5.50	− 0 17.3	2.422	3.224	12.7	20.1
8 19	0 1.67	− 0 43.2	2.345	3.235	10.1	19.9
8 29	23 56.17	− 1 19.5	2.291	3.246	6.9	19.8
9 8	23 49.45	− 2 3.0	2.263	3.257	3.5	19.6
9 18	23 42.11	− 2 49.8	2.263	3.267	0.3	19.3
9 28	23 34.85	− 3 35.1	2.292	3.278	3.7	19.6
10 8	23 28.39	− 4 14.4	2.349	3.288	7.1	19.9
10 18	23 23.28	− 4 44.5	2.433	3.298	10.0	20.1

159248 2005 YK_{90} 9 17.9 75°.94 0°.3/18.2 18

8 9	0 4.20	+ 1 32.4	2.285	3.087	13.4	20.8
8 19	0 0.80	+ 1 8.2	2.206	3.094	10.7	20.6
8 29	23 55.66	+ 0 31.8	2.148	3.101	7.4	20.5
9 8	23 49.23	− 0 13.9	2.116	3.109	3.8	20.2
9 18	23 42.11	− 1 4.7	2.111	3.116	0.3	20.0
9 28	23 35.07	− 1 55.7	2.136	3.124	3.7	20.3
10 8	23 28.83	− 2 41.8	2.188	3.131	7.2	20.5
10 18	23 23.99	− 3 18.8	2.265	3.139	10.3	20.7

24415 2000 AA_{251} 9 17.9 146°.17 0°.1/18.1 18 R

8 9	0 4.56	+ 1 0.3	2.823	3.613	11.4	19.5
8 19	0 0.71	+ 0 35.5	2.738	3.620	9.0	19.4
8 29	23 55.41	+ 0 1.1	2.677	3.628	6.3	19.2
9 8	23 49.04	− 0 40.6	2.642	3.634	3.2	19.0
9 18	23 42.12	− 1 26.2	2.636	3.641	0.1	18.8
9 28	23 35.24	− 2 11.7	2.660	3.647	3.2	19.1
10 8	23 29.02	− 2 53.1	2.713	3.653	6.2	19.3
10 18	23 23.94	− 3 27.2	2.793	3.658	8.9	19.4

263303 2008 CS_{18} 9 17.9 81°.23 1°.5/16.3 18

8 9	0 5.49	− 3 35.6	2.087	2.909	13.8	20.8
8 19	0 1.98	− 4 12.8	2.013	2.916	10.8	20.6
8 29	23 56.55	− 5 0.0	1.961	2.923	7.4	20.4
9 8	23 49.70	− 5 52.9	1.934	2.930	3.7	20.2
9 18	23 42.11	− 6 46.2	1.934	2.937	1.7	20.1
9 28	23 34.62	− 7 34.0	1.963	2.944	4.9	20.3
10 8	23 28.04	− 8 11.5	2.019	2.951	8.5	20.6
10 18	23 23.01	− 8 35.5	2.099	2.957	11.7	20.8

318241 2004 RS_{272} 9 17.9 291°.63 0°.3/17.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 7.84	− 1 39.4	2.207	3.015	13.7	21.0
8 19	0 4.03	− 1 43.3	2.097	2.990	10.9	20.8
8 29	23 58.17	− 1 57.0	2.009	2.965	7.7	20.5
9 8	23 50.66	− 2 18.0	1.946	2.940	3.9	20.2
9 18	23 42.10	− 2 42.9	1.910	2.915	0.3	19.9
9 28	23 33.36	− 3 7.5	1.903	2.890	4.3	20.2
10 8	23 25.34	− 3 27.1	1.924	2.865	8.2	20.4
10 18	23 18.83	− 3 38.2	1.970	2.839	11.8	20.6

432645 2010 WZ_{31} 9 17.9 247°.37 1°.4/16.7 17

8 9	0 9.26	− 2 21.0	1.685	2.509	16.5	22.9
8 19	0 5.72	− 2 54.6	1.594	2.497	13.1	22.7
8 29	23 59.64	− 3 42.6	1.522	2.484	9.1	22.4
9 8	23 51.49	− 4 40.6	1.475	2.471	4.5	22.1
9 18	23 42.10	− 5 42.3	1.454	2.457	1.6	21.9
9 28	23 32.59	− 6 39.8	1.460	2.443	5.8	22.1
10 8	23 24.14	− 7 25.8	1.492	2.429	10.5	22.4
10 18	23 17.71	− 7 55.3	1.548	2.414	14.6	22.6

163930 2003 SQ_{308} 9 17.9 231°.78 5°.8/23.7 18

8 9	0 8.32	+15 52.3	2.173	2.898	16.2	20.2
8 19	0 4.48	+16 24.5	2.071	2.890	14.0	20.0
8 29	23 58.51	+16 38.0	1.988	2.882	11.3	19.8
9 8	23 50.83	+16 31.0	1.927	2.873	8.4	19.6
9 18	23 42.11	+16 3.6	1.891	2.864	6.2	19.4
9 28	23 33.24	+15 18.4	1.883	2.855	6.0	19.4
10 8	23 25.19	+14 20.8	1.901	2.845	8.1	19.5
10 18	23 18.75	+13 17.8	1.946	2.835	11.0	19.7

513488 2009 DM_{98} 9 17.9 40°.87 2°.8/15.4 18

8 9	0 6.89	− 6 50.4	1.769	2.606	15.3	20.9
8 19	0 3.44	− 7 27.7	1.700	2.612	12.0	20.7
8 29	23 57.75	− 8 13.7	1.652	2.618	8.2	20.5
9 8	23 50.37	− 9 3.1	1.629	2.625	4.3	20.2
9 18	23 42.12	− 9 49.2	1.632	2.631	3.0	20.2
9 28	23 34.02	−10 25.8	1.663	2.638	6.2	20.4
10 8	23 27.03	−10 48.1	1.719	2.645	10.0	20.6
10 18	23 21.90	−10 53.7	1.798	2.653	13.4	20.9

108363 2001 KG_{15} 9 17.9 67°.78 1°.7/16.5 17

8 9	0 9.15	− 2 2.0	1.397	2.234	18.6	19.4
8 19	0 5.62	− 2 47.4	1.344	2.254	14.6	19.2
8 29	23 59.40	− 3 48.3	1.310	2.275	9.9	19.0
9 8	23 51.22	− 4 58.0	1.299	2.295	4.9	18.8
9 18	23 42.12	− 6 8.3	1.313	2.316	1.8	18.6
9 28	23 33.36	− 7 10.1	1.353	2.336	6.2	19.0
10 8	23 26.09	− 7 56.5	1.418	2.357	10.7	19.3
10 18	23 21.11	− 8 23.6	1.506	2.377	14.7	19.6

38256 1999 RH_{12} 9 17.9 12°.05 2°.3/19.5 18

8 9	0 5.05	+ 3 32.1	1.250	2.085	20.5	17.8
8 19	0 2.95	+ 3 54.8	1.185	2.089	16.6	17.6
8 29	23 57.94	+ 3 58.3	1.137	2.094	12.0	17.3
9 8	23 50.65	+ 3 43.9	1.109	2.100	6.9	17.0
9 18	23 42.13	+ 3 15.7	1.104	2.107	2.5	16.8
9 28	23 33.74	+ 2 40.4	1.124	2.116	5.3	17.0
10 8	23 26.82	+ 2 6.1	1.167	2.126	10.3	17.3
10 18	23 22.33	+ 1 39.7	1.232	2.136	14.8	17.6

396014 2013 BK_{72} 9 17.9 309°.76 0°.4/17.5 18

8 9	0 5.12	− 0 17.6	1.858	2.677	15.4	21.2
8 19	0 2.10	− 0 42.7	1.771	2.671	12.2	21.0
8 29	23 56.91	− 1 21.7	1.705	2.665	8.5	20.8
9 8	23 50.01	− 2 11.0	1.663	2.659	4.3	20.5
9 18	23 42.15	− 3 5.5	1.648	2.653	0.5	20.2
9 28	23 34.26	− 3 58.8	1.660	2.647	4.7	20.5
10 8	23 27.32	− 4 44.3	1.699	2.641	8.9	20.8
10 18	23 22.12	− 5 17.4	1.761	2.636	12.7	21.0

444058 2004 RH_{150} 9 17.9 332°.11 0°.6/17.4 18

8 9	0 3.21	− 1 10.0	1.803	2.631	15.4	20.7
8 19	0 0.71	− 1 28.5	1.714	2.618	12.3	20.5
8 29	23 56.03	− 2 0.2	1.644	2.606	8.5	20.2
9 8	23 49.61	− 2 41.6	1.598	2.594	4.3	20.0
9 18	23 42.16	− 3 27.9	1.578	2.583	0.6	19.7
9 28	23 34.65	− 4 12.7	1.585	2.572	4.9	20.0
10 8	23 28.06	− 4 49.8	1.618	2.562	9.2	20.2
10 18	23 23.21	− 5 14.6	1.674	2.553	13.0	20.4

120062 2003 CQ_{4} 9 17.9 99°.14 5°.8/12.4 18

8 9	0 10.41	−13 39.2	1.718	2.562	15.4	20.1
8 19	0 6.18	−14 58.6	1.667	2.580	12.1	19.9
8 29	23 59.58	−16 21.5	1.638	2.598	8.7	19.7
9 8	23 51.27	−17 39.3	1.633	2.616	6.2	19.6
9 18	23 42.15	−18 43.4	1.655	2.633	6.3	19.7
9 28	23 33.32	−19 27.1	1.703	2.650	8.9	19.9
10 8	23 25.80	−19 47.2	1.777	2.666	12.0	20.1
10 18	23 20.31	−19 43.7	1.872	2.682	14.9	20.3

22354 Sposetti 9 17.9 135°.83 2°.6/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 13.12	− 6 31.6	1.602	2.433	16.9	17.8
8 19	0 8.63	− 6 56.4	1.531	2.439	13.3	17.5
8 29	0 1.50	− 7 30.6	1.481	2.444	9.1	17.3
9 8	23 52.35	− 8 8.6	1.454	2.449	4.7	17.1
9 18	23 42.14	− 8 44.0	1.453	2.454	2.8	17.0
9 28	23 32.09	− 9 10.2	1.480	2.459	6.5	17.2
10 8	23 23.39	− 9 22.3	1.533	2.463	10.8	17.5
10 18	23 16.90	− 9 18.3	1.608	2.467	14.6	17.7

470558 2008 FN_{44} 9 17.9 193°.93 0°.5/17.5 17

8 9	0 8.92	+ 0 27.0	1.824	2.635	16.0	22.1
8 19	0 5.13	− 0 9.7	1.739	2.633	12.7	21.9
8 29	23 59.02	− 1 2.0	1.674	2.631	8.8	21.6
9 8	23 51.10	− 2 5.9	1.634	2.629	4.4	21.4
9 18	23 42.16	− 3 15.5	1.621	2.626	0.5	21.0
9 28	23 33.21	− 4 23.3	1.636	2.622	4.9	21.4
10 8	23 25.30	− 5 22.1	1.678	2.618	9.3	21.6
10 18	23 19.25	− 6 6.7	1.744	2.613	13.1	21.9

389465 2010 EY_{39} 9 17.9 238°.44 4°.4/14.5 18

8 9	0 20.36	−14 51.7	2.204	3.014	13.6	22.0
8 19	0 13.81	−15 6.5	2.106	2.999	10.9	21.8
8 29	0 4.87	−15 21.7	2.031	2.983	7.8	21.6
9 8	23 54.04	−15 32.2	1.983	2.967	5.1	21.4
9 18	23 42.13	−15 32.8	1.964	2.950	4.6	21.3
9 28	23 30.20	−15 19.4	1.975	2.933	7.0	21.4
10 8	23 19.32	−14 50.1	2.015	2.915	10.3	21.6
10 18	23 10.33	−14 5.3	2.081	2.896	13.4	21.8

291039 2005 YU_{40} 9 17.9 346°.05 4°.7/22.8 18

8 9	0 5.16	+12 49.1	2.138	2.889	15.8	20.6
8 19	0 1.91	+13 15.1	2.045	2.886	13.3	20.4
8 29	23 56.67	+13 23.4	1.972	2.884	10.5	20.2
9 8	23 49.87	+13 13.4	1.922	2.882	7.4	20.1
9 18	23 42.17	+12 46.0	1.897	2.880	5.1	19.9
9 28	23 34.42	+12 4.6	1.898	2.878	5.1	19.9
10 8	23 27.50	+11 14.6	1.927	2.877	7.6	20.1
10 18	23 22.13	+10 22.3	1.982	2.876	10.6	20.2

19621 1999 RE_{1} 9 17.9 119°.20 6°.8/24.3 18

8 9	0 11.11	+16 57.0	1.972	2.694	17.8	18.3
8 19	0 6.81	+17 49.5	1.888	2.701	15.3	18.1
8 29	0 0.17	+18 21.9	1.821	2.708	12.5	17.9
9 8	23 51.69	+18 31.8	1.777	2.715	9.6	17.7
9 18	23 42.16	+18 18.6	1.756	2.722	7.3	17.6
9 28	23 32.60	+17 44.8	1.762	2.728	7.0	17.6
10 8	23 24.07	+16 56.0	1.795	2.734	8.8	17.8
10 18	23 17.41	+15 59.7	1.853	2.740	11.5	17.9

164341 2005 CO 9 17.9 157°.99 6°.4/12.8 07 C

8 9	0 18.11	− 6 30.9	1.141	1.988	21.3	23.3
8 19	0 13.65	− 8 49.1	1.083	2.001	16.7	23.1
8 29	0 5.56	−11 27.7	1.045	2.012	11.5	22.8
9 8	23 54.61	−14 11.4	1.030	2.021	7.2	22.6
9 18	23 42.13	−16 41.7	1.041	2.028	7.3	22.7
9 28	23 29.93	−18 41.8	1.077	2.034	11.5	22.9
10 8	23 19.73	−20 2.1	1.137	2.038	16.3	23.2
10 18	23 12.67	−20 41.8	1.215	2.040	20.5	23.5

454848 2015 RG_{239} 9 17.9 251°.39 1°.2/19.8 18

8 9	0 2.12	+ 7 52.8	2.836	3.600	12.0	21.8
8 19	23 58.99	+ 6 59.4	2.722	3.584	9.8	21.6
8 29	23 54.38	+ 5 49.8	2.631	3.568	7.1	21.4
9 8	23 48.62	+ 4 26.1	2.567	3.551	4.1	21.2
9 18	23 42.19	+ 2 52.2	2.531	3.534	1.4	20.9
9 28	23 35.68	+ 1 13.4	2.527	3.516	3.0	21.1
10 8	23 29.72	− 0 24.0	2.553	3.498	6.2	21.2
10 18	23 24.84	− 1 54.3	2.607	3.480	9.1	21.4

480439 2015 KC_{134} 9 17.9 123°.23 5°.0/12.3 17

8 9	0 8.73	−12 35.9	2.021	2.857	13.7	21.3
8 19	0 4.56	−14 0.6	1.963	2.873	10.7	21.1
8 29	23 58.34	−15 29.8	1.928	2.888	7.6	21.0
9 8	23 50.63	−16 55.8	1.920	2.903	5.3	20.9
9 18	23 42.18	−18 10.8	1.939	2.917	5.5	20.9
9 28	23 33.91	−19 8.3	1.986	2.931	7.9	21.1
10 8	23 26.71	−19 44.5	2.059	2.944	10.8	21.3
10 18	23 21.23	−19 58.7	2.154	2.956	13.5	21.5

259546 2003 UX_{101} 9 17.9 303°.25 11°.1/29.8 15

8 9	23 59.75	+28 13.8	1.470	2.171	23.7	20.8
8 19	23 59.06	+28 36.1	1.366	2.149	21.6	20.6
8 29	23 55.58	+28 20.1	1.274	2.128	18.9	20.3
9 8	23 49.68	+27 18.4	1.198	2.107	15.8	20.1
9 18	23 42.18	+25 26.3	1.141	2.086	12.8	19.8
9 28	23 34.37	+22 46.2	1.106	2.065	11.1	19.7
10 8	23 27.69	+19 30.0	1.096	2.045	12.0	19.7
10 18	23 23.36	+15 56.4	1.110	2.025	15.1	19.8

45009 1999 VR_{204} 9 17.9 288°.89 1°.0/18.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 11.24	+ 0 39.4	1.853	2.657	16.0	18.1
8 19	0 7.14	+ 0 58.7	1.751	2.639	13.0	17.9
8 29	0 0.58	+ 1 6.9	1.670	2.621	9.3	17.6
9 8	23 52.01	+ 1 5.3	1.612	2.603	5.1	17.3
9 18	23 42.17	+ 0 56.4	1.581	2.585	1.1	17.0
9 28	23 32.12	+ 0 44.3	1.578	2.567	4.5	17.2
10 8	23 23.01	+ 0 33.6	1.602	2.549	9.0	17.5
10 18	23 15.79	+ 0 28.7	1.650	2.531	13.1	17.7

468401 2016 GA_{127} 9 17.9 56°.31 2°.2/19.5 17

8 9	0 9.95	+ 5 2.9	1.192	2.018	21.8	21.1
8 19	0 6.78	+ 5 4.4	1.138	2.036	17.6	20.8
8 29	0 0.51	+ 4 42.7	1.101	2.055	12.7	20.6
9 8	23 51.91	+ 4 0.5	1.083	2.073	7.2	20.4
9 18	23 42.17	+ 3 3.8	1.089	2.092	2.4	20.2
9 28	23 32.78	+ 2 1.8	1.120	2.111	5.4	20.4
10 8	23 25.11	+ 1 4.2	1.175	2.131	10.5	20.8
10 18	23 20.08	+ 0 18.8	1.251	2.150	15.0	21.1

270945 2002 VV_{38} 9 17.9 329°.90 5°.8/13.5 18

8 9	0 0.21	− 9 3.3	1.117	1.999	19.3	19.6
8 19	23 59.78	−10 7.6	1.039	1.976	15.3	19.3
8 29	23 56.24	−11 27.2	0.979	1.955	10.8	19.0
9 8	23 50.05	−12 52.7	0.939	1.934	6.7	18.7
9 18	23 42.19	−14 11.7	0.921	1.915	6.4	18.6
9 28	23 34.15	−15 11.0	0.926	1.897	10.6	18.8
10 8	23 27.52	−15 41.2	0.950	1.881	15.6	19.0
10 18	23 23.54	−15 38.7	0.993	1.866	20.3	19.2

477047 2009 AM_{45} 9 17.9 290°.67 0°.8/17.1 18

8 9	0 4.73	− 0 34.1	1.832	2.654	15.5	21.7
8 19	0 1.85	− 1 11.4	1.745	2.646	12.3	21.5
8 29	23 56.78	− 2 3.5	1.678	2.639	8.5	21.2
9 8	23 49.99	− 3 6.4	1.636	2.632	4.2	20.9
9 18	23 42.20	− 4 14.0	1.620	2.625	0.9	20.7
9 28	23 34.38	− 5 19.2	1.632	2.618	5.0	21.0
10 8	23 27.51	− 6 14.8	1.670	2.611	9.3	21.2
10 18	23 22.38	− 6 55.8	1.733	2.604	13.1	21.4

284855 2009 BM_{143} 9 17.9 354°.65 2°.5/15.7 18

8 9	0 1.82	− 3 51.0	1.429	2.283	17.4	20.0
8 19	0 0.10	− 4 41.4	1.357	2.278	13.7	19.7
8 29	23 55.84	− 5 47.2	1.305	2.275	9.3	19.5
9 8	23 49.58	− 7 1.9	1.275	2.272	4.7	19.2
9 18	23 42.20	− 8 16.9	1.269	2.271	2.8	19.1
9 28	23 34.88	− 9 22.6	1.289	2.270	6.9	19.3
10 8	23 28.76	−10 11.2	1.333	2.270	11.4	19.6
10 18	23 24.73	−10 38.2	1.398	2.271	15.5	19.9

523134 2016 SK_{54} 9 17.9 258°.08 4°.6/13.1 18

8 9	0 8.75	−12 40.9	2.108	2.942	13.3	22.0
8 19	0 4.81	−13 35.2	2.016	2.924	10.5	21.8
8 29	23 58.73	−14 34.6	1.947	2.907	7.5	21.6
9 8	23 50.96	−15 33.0	1.903	2.889	5.1	21.4
9 18	23 42.19	−16 23.8	1.887	2.870	5.0	21.4
9 28	23 33.35	−17 0.6	1.898	2.852	7.6	21.5
10 8	23 25.37	−17 19.1	1.936	2.833	10.8	21.7
10 18	23 19.05	−17 17.8	1.996	2.813	13.8	21.8

150057 2006 QT_{144} 9 17.9 312°.54 0°.0/17.9 18

8 9	0 1.39	+ 2 21.4	1.720	2.542	16.3	19.9
8 19	23 59.51	+ 1 42.4	1.620	2.520	13.1	19.6
8 29	23 55.37	+ 0 43.9	1.540	2.499	9.2	19.3
9 8	23 49.37	− 0 30.8	1.483	2.478	4.8	19.0
9 18	23 42.21	− 1 55.9	1.452	2.457	0.0	18.6
9 28	23 34.86	− 3 22.9	1.448	2.436	5.0	19.0
10 8	23 28.41	− 4 42.6	1.469	2.416	9.7	19.2
10 18	23 23.73	− 5 47.7	1.514	2.397	13.9	19.4

213193 2000 SB_{322} 9 17.9 37°.65 0°.8/18.8 16

8 9	0 1.64	+ 6 18.9	1.359	2.184	19.7	20.5
8 19	23 59.94	+ 5 20.6	1.297	2.197	15.8	20.2
8 29	23 55.66	+ 3 56.0	1.253	2.210	11.2	20.0
9 8	23 49.44	+ 2 10.3	1.231	2.223	6.0	19.8
9 18	23 42.21	+ 0 12.8	1.233	2.238	0.9	19.5
9 28	23 35.17	− 1 44.5	1.262	2.253	5.1	19.8
10 8	23 29.46	− 3 29.8	1.316	2.268	10.0	20.1
10 18	23 25.86	− 4 54.6	1.393	2.284	14.3	20.4

433297 2013 DE_{13} 9 17.9 280°.87 2°.0/13.9 18

8 9	23 58.05	−10 42.6	4.442	5.262	7.1	21.5
8 19	23 55.17	−11 17.0	4.353	5.256	5.5	21.3
8 29	23 51.40	−11 53.7	4.289	5.249	3.8	21.2
9 8	23 46.99	−12 30.2	4.253	5.242	2.3	21.1
9 18	23 42.24	−13 4.2	4.246	5.235	2.1	21.1
9 28	23 37.48	−13 33.1	4.269	5.228	3.5	21.2
10 8	23 33.08	−13 55.1	4.321	5.222	5.2	21.3
10 18	23 29.34	−14 8.8	4.399	5.215	6.8	21.4

232238 2002 NA_{45} 9 17.9 82°29 2°8/14.8 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 6.59	− 4 28.1	1.855	2.684	15.0	20.5
8 19	0 2.95	− 5 49.5	1.800	2.708	11.6	20.4
8 29	23 57.25	− 7 22.1	1.768	2.732	7.8	20.2
9 8	23 50.08	− 8 58.7	1.761	2.756	4.1	20.0
9 18	23 42.21	−10 31.1	1.782	2.780	3.1	20.0
9 28	23 34.58	−11 51.3	1.832	2.803	6.2	20.2
10 8	23 28.07	−12 53.7	1.908	2.826	9.7	20.5
10 18	23 23.29	−13 35.4	2.008	2.849	12.8	20.7

139047 2001 EB_{16} 9 17.9 250°02 11°6/ 2.9 17

8 9	0 17.26	−17 43.2	1.544	2.386	16.9	20.8
8 19	0 13.34	−22 7.0	1.454	2.359	14.1	20.6
8 29	0 5.96	−26 52.4	1.392	2.330	12.0	20.4
9 8	23 55.31	−31 37.0	1.362	2.300	12.0	20.3
9 18	23 42.16	−35 54.8	1.364	2.267	14.4	20.4
9 28	23 28.00	−39 24.1	1.394	2.234	17.8	20.5
10 8	23 14.73	−41 54.4	1.446	2.198	21.3	20.7
10 18	23 4.07	−43 27.0	1.515	2.161	24.2	20.8

511112 2013 WC_{14} 9 17.9 314°92 5°3/13.3 18

8 9	0 5.13	− 9 42.1	1.417	2.278	17.2	21.2
8 19	0 2.88	−10 54.6	1.343	2.267	13.5	20.9
8 29	23 57.89	−12 18.6	1.288	2.258	9.5	20.6
9 8	23 50.69	−13 45.0	1.256	2.248	6.0	20.4
9 18	23 42.21	−15 3.5	1.249	2.239	5.9	20.4
9 28	23 33.72	−16 3.6	1.267	2.231	9.3	20.6
10 8	23 26.51	−16 38.5	1.307	2.222	13.5	20.8
10 18	23 21.55	−16 45.8	1.368	2.214	17.4	21.0

263079 2007 RU_{191} 9 17.9 175°89 0°7/17.3 17

8 9	0 8.31	+ 0 54.3	1.524	2.347	18.0	21.1
8 19	0 5.09	+ 0 9.4	1.447	2.348	14.3	20.9
8 29	23 59.23	− 0 54.5	1.389	2.349	9.9	20.6
9 8	23 51.30	− 2 12.7	1.355	2.350	5.0	20.3
9 18	23 42.21	− 3 37.5	1.346	2.350	0.7	20.0
9 28	23 33.17	− 4 59.3	1.364	2.350	5.6	20.4
10 8	23 25.37	− 6 9.0	1.408	2.350	10.5	20.7
10 18	23 19.74	− 7 0.6	1.475	2.349	14.7	20.9

27495 Heatherfennell 9 17.9 68°74 0°5/18.4 18 R

8 9	0 7.43	+ 1 23.7	1.932	2.738	15.4	18.8
8 19	0 3.76	+ 1 15.2	1.851	2.741	12.3	18.6
8 29	23 57.96	+ 0 53.5	1.792	2.745	8.6	18.3
9 8	23 50.53	+ 0 21.1	1.756	2.748	4.6	18.1
9 18	23 42.22	− 0 17.9	1.747	2.752	0.6	17.8
9 28	23 33.97	− 0 58.2	1.766	2.755	4.2	18.1
10 8	23 26.70	− 1 34.2	1.812	2.759	8.2	18.4
10 18	23 21.16	− 2 1.4	1.883	2.762	11.8	18.6

479914 2014 HO_{49} 9 17.9 283°77 1°7/16.4 18

8 9	0 6.75	− 3 53.4	1.879	2.706	15.0	21.7
8 19	0 3.37	− 4 24.0	1.795	2.700	11.8	21.4
8 29	23 57.78	− 5 5.7	1.732	2.694	8.1	21.2
9 8	23 50.49	− 5 54.1	1.693	2.689	4.1	21.0
9 18	23 42.23	− 6 43.6	1.681	2.683	1.8	20.8
9 28	23 33.97	− 7 27.6	1.696	2.678	5.4	21.0
10 8	23 26.68	− 8 0.7	1.738	2.672	9.4	21.3
10 18	23 21.15	− 8 19.3	1.804	2.667	13.0	21.5

117907 4076 P–L 9 17.9 4°49 0°7/18.5 18

8 9	0 9.82	+ 0 1.7	1.924	2.731	15.4	19.6
8 19	0 5.67	+ 0 16.4	1.841	2.731	12.3	19.3
8 29	23 59.31	+ 0 20.2	1.778	2.731	8.7	19.1
9 8	23 51.24	+ 0 15.2	1.739	2.731	4.6	18.9
9 18	23 42.23	+ 0 4.3	1.728	2.732	0.7	18.6
9 28	23 33.24	− 0 8.5	1.744	2.733	4.2	18.9
10 8	23 25.27	− 0 18.7	1.787	2.734	8.3	19.1
10 18	23 19.08	− 0 22.8	1.856	2.736	11.9	19.3

297118 2010 RY_{116} 9 17.9 328°96 2°4/15.5 18

8 9	0 5.05	− 6 4.0	2.026	2.857	13.9	20.9
8 19	0 1.82	− 6 43.3	1.945	2.854	10.9	20.7
8 29	23 56.59	− 7 31.6	1.886	2.851	7.4	20.5
9 8	23 49.83	− 8 24.0	1.852	2.848	3.9	20.3
9 18	23 42.24	− 9 14.9	1.845	2.845	2.6	20.2
9 28	23 34.67	− 9 58.2	1.866	2.842	5.6	20.4
10 8	23 28.00	−10 29.0	1.913	2.839	9.2	20.6
10 18	23 22.93	−10 44.5	1.984	2.837	12.5	20.8

360426 2002 GD_{182} 9 17.9 117°20 2°2/20.5 18

8 9	0 9.79	+ 6 25.4	2.633	3.392	12.9	21.6
8 19	0 4.91	+ 6 40.4	2.551	3.406	10.5	21.5
8 29	23 58.38	+ 6 43.7	2.491	3.421	7.7	21.3
9 8	23 50.63	+ 6 36.2	2.456	3.434	4.8	21.1
9 18	23 42.24	+ 6 19.7	2.450	3.448	2.4	21.0
9 28	23 33.92	+ 5 57.1	2.474	3.461	3.4	21.1
10 8	23 26.39	+ 5 32.2	2.527	3.473	6.2	21.3
10 18	23 20.19	+ 5 8.7	2.607	3.486	8.9	21.5

169550 2002 EF_{106} 9 17.9 194°40 4°9/13.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 10.67	−10 13.3	1.551	2.396	16.7	20.2
8 19	0 6.93	−11 17.1	1.479	2.395	13.2	20.0
8 29	0 0.49	−12 29.7	1.428	2.394	9.2	19.8
9 8	23 51.94	−13 42.9	1.401	2.392	5.7	19.6
9 18	23 42.22	−14 47.6	1.400	2.390	5.4	19.6
9 28	23 32.60	−15 35.0	1.425	2.388	8.6	19.7
10 8	23 24.30	−15 59.8	1.475	2.386	12.6	20.0
10 18	23 18.23	−16 0.5	1.546	2.383	16.2	20.2

443409 2014 HW_{47} 9 17.9 177°36 2°6/15.3 18

8 9	0 6.95	− 6 33.2	2.023	2.851	14.0	21.8
8 19	0 3.29	− 7 15.9	1.945	2.852	10.9	21.6
8 29	23 57.59	− 8 7.2	1.888	2.852	7.5	21.4
9 8	23 50.33	− 9 2.0	1.857	2.852	4.0	21.2
9 18	23 42.24	− 9 54.5	1.854	2.852	2.8	21.1
9 28	23 34.21	−10 38.6	1.878	2.852	5.8	21.3
10 8	23 27.12	−11 9.4	1.929	2.852	9.4	21.5
10 18	23 21.67	−11 24.3	2.004	2.852	12.6	21.7

66652 Borasisi 9 17.9 60°27 0°0/17.7 15

8 9	23 44.99	− 2 15.1	41.516	42.308	0.9	22.3
8 19	23 44.41	− 2 18.9	41.425	42.310	0.7	22.2
8 29	23 43.75	− 2 23.2	41.359	42.312	0.5	22.2
9 8	23 43.05	− 2 27.8	41.321	42.315	0.2	22.2
9 18	23 42.32	− 2 32.6	41.312	42.317	0.0	22.1
9 28	23 41.58	− 2 37.3	41.333	42.319	0.2	22.2
10 8	23 40.88	− 2 41.8	41.383	42.321	0.5	22.2
10 18	23 40.23	− 2 45.9	41.462	42.324	0.7	22.2

370650 2004 BP_{77} 9 17.9 318°70 6°1/12.9 18

8 9	0 1.75	− 9 12.2	1.195	2.071	18.7	20.6
8 19	0 0.85	−10 32.1	1.115	2.049	14.8	20.3
8 29	23 56.92	−12 8.2	1.053	2.027	10.5	20.0
9 8	23 50.41	−13 50.5	1.013	2.006	6.7	19.7
9 18	23 42.26	−15 26.1	0.995	1.986	6.8	19.7
9 28	23 33.90	−16 41.1	1.000	1.966	10.9	19.8
10 8	23 26.89	−17 25.9	1.026	1.948	15.7	20.1
10 18	23 22.43	−17 36.4	1.071	1.930	20.2	20.3

261802 2006 BO_{253} 9 17.9 122°84 2°1/20.3 18

8 9	0 6.31	+ 6 4.9	2.457	3.230	13.4	20.9
8 19	0 2.42	+ 6 11.7	2.368	3.233	10.9	20.7
8 29	23 56.82	+ 6 5.7	2.299	3.235	8.0	20.5
9 8	23 49.90	+ 5 48.2	2.256	3.237	4.9	20.3
9 18	23 42.27	+ 5 21.3	2.240	3.240	2.2	20.2
9 28	23 34.65	+ 4 48.6	2.253	3.242	3.5	20.3
10 8	23 27.76	+ 4 14.3	2.295	3.244	6.6	20.5
10 18	23 22.23	+ 3 42.8	2.363	3.246	9.5	20.7

304580 2006 VP_{44} 9 17.9 258°94 0°1/17.8 18

8 9	0 5.02	+ 0 44.5	2.082	2.891	14.3	21.7
8 19	0 1.76	+ 0 16.9	1.996	2.888	11.4	21.5
8 29	23 56.54	− 0 23.9	1.930	2.886	7.9	21.3
9 8	23 49.83	− 1 14.8	1.889	2.883	4.0	21.0
9 18	23 42.27	− 2 11.2	1.876	2.881	0.1	20.7
9 28	23 34.72	− 3 7.0	1.891	2.878	4.2	21.1
10 8	23 28.02	− 3 56.6	1.933	2.876	8.1	21.3
10 18	23 22.87	− 4 35.4	2.000	2.873	11.5	21.5

202612 2006 HX_{53} 9 17.9 170°46 3°6/22.4 18

8 9	0 4.87	+13 34.7	2.142	2.889	15.8	20.7
8 19	0 1.63	+13 10.3	2.050	2.892	13.3	20.5
8 29	23 56.45	+12 24.2	1.978	2.894	10.2	20.3
9 8	23 49.78	+11 17.1	1.928	2.895	6.9	20.1
9 18	23 42.27	+ 9 52.3	1.906	2.897	4.1	20.0
9 28	23 34.78	+ 8 15.8	1.911	2.897	4.3	20.0
10 8	23 28.14	+ 6 35.6	1.945	2.898	7.3	20.2
10 18	23 23.04	+ 4 59.6	2.007	2.898	10.6	20.4

122024 2000 GC_{50} 9 17.9 41°01 0°4/18.3 16

8 9	0 5.77	+ 2 31.1	1.282	2.117	20.1	19.8
8 19	0 3.30	+ 2 5.5	1.225	2.132	16.0	19.6
8 29	23 58.04	+ 1 18.9	1.187	2.148	11.1	19.3
9 8	23 50.67	+ 0 16.2	1.170	2.165	5.8	19.1
9 18	23 42.27	− 0 55.0	1.177	2.181	0.4	18.7
9 28	23 34.14	− 2 5.2	1.209	2.199	5.4	19.2
10 8	23 27.51	− 3 5.2	1.265	2.217	10.4	19.5
10 18	23 23.21	− 3 48.7	1.343	2.236	14.7	19.8

95501 2002 EK_{41} 9 17.9 81°81 0°6/18.7 18

8 9	0 3.25	+ 3 33.4	2.249	3.045	13.8	19.5
8 19	0 0.16	+ 3 0.1	2.166	3.050	11.0	19.3
8 29	23 55.32	+ 2 12.4	2.105	3.055	7.8	19.1
9 8	23 49.15	+ 1 13.3	2.068	3.059	4.1	18.9
9 18	23 42.28	+ 0 7.2	2.059	3.064	0.7	18.6
9 28	23 35.45	− 1 0.3	2.079	3.068	3.6	18.9
10 8	23 29.41	− 2 3.1	2.127	3.073	7.2	19.1
10 18	23 24.77	− 2 56.3	2.201	3.078	10.4	19.3

339370 2005 AE_{56} 9 17.9 317°.45 9°.9/ 7.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 3.67	−20 50.1	1.506	2.374	15.9	19.6
8 19	0 1.77	−22 51.5	1.439	2.359	13.1	19.4
8 29	23 57.15	−24 54.6	1.394	2.345	10.8	19.3
9 8	23 50.35	−26 46.8	1.372	2.331	9.9	19.2
9 18	23 42.27	−28 15.9	1.373	2.317	11.1	19.2
9 28	23 34.17	−29 12.1	1.398	2.304	13.7	19.3
10 8	23 27.33	−29 31.4	1.442	2.291	16.7	19.5
10 18	23 22.71	−29 14.8	1.505	2.279	19.5	19.7

261594 2005 XN_{43} 9 17.9 25°.57 3°.0/14.9 18

8 9	0 6.32	− 8 29.4	2.043	2.876	13.7	20.5
8 19	0 2.75	− 9 5.8	1.969	2.879	10.7	20.3
8 29	23 57.18	− 9 48.8	1.917	2.881	7.3	20.1
9 8	23 50.12	−10 33.3	1.890	2.884	4.1	20.0
9 18	23 42.28	−11 13.7	1.891	2.887	3.2	19.9
9 28	23 34.53	−11 44.6	1.919	2.890	6.0	20.1
10 8	23 27.73	−12 2.0	1.973	2.893	9.4	20.3
10 18	23 22.54	−12 3.9	2.052	2.896	12.4	20.5

378192 2006 XH_{43} 9 17.9 169°.43 1°.5/16.4 17

8 9	0 9.37	− 2 54.2	1.968	2.783	14.8	22.0
8 19	0 5.25	− 3 36.5	1.888	2.787	11.6	21.8
8 29	23 58.98	− 4 30.7	1.830	2.790	8.0	21.6
9 8	23 51.07	− 5 32.0	1.797	2.793	4.0	21.4
9 18	23 42.27	− 6 34.5	1.792	2.795	1.7	21.2
9 28	23 33.54	− 7 31.4	1.816	2.796	5.2	21.5
10 8	23 25.81	− 8 17.1	1.866	2.797	9.1	21.7
10 18	23 19.81	− 8 47.7	1.942	2.797	12.6	21.9

142814 2002 UR_{38} 9 17.9 290°.85 1°.9/16.4 18

8 9	0 6.86	− 3 10.9	1.509	2.348	17.4	20.6
8 19	0 4.19	− 3 45.5	1.419	2.331	13.9	20.3
8 29	23 58.83	− 4 35.6	1.349	2.315	9.6	20.0
9 8	23 51.24	− 5 36.0	1.302	2.298	4.8	19.7
9 18	23 42.28	− 6 39.7	1.279	2.282	2.1	19.5
9 28	23 33.15	− 7 37.6	1.283	2.266	6.5	19.7
10 8	23 25.15	− 8 21.9	1.311	2.250	11.4	20.0
10 18	23 19.32	− 8 47.3	1.361	2.234	15.9	20.2

41340 1999 YO_{14} 9 17.9 252°.45 0°.9/20.1 18

8 9	23 57.10	+ 7 8.1	4.524	5.279	7.9	18.6
8 19	23 54.43	+ 6 27.1	4.419	5.275	6.4	18.4
8 29	23 50.92	+ 5 37.0	4.339	5.271	4.6	18.3
9 8	23 46.78	+ 4 39.6	4.286	5.267	2.7	18.2
9 18	23 42.31	+ 3 36.8	4.262	5.263	1.0	18.0
9 28	23 37.84	+ 2 31.5	4.270	5.259	1.9	18.1
10 8	23 33.70	+ 1 26.6	4.309	5.255	3.9	18.2
10 18	23 30.19	+ 0 25.1	4.377	5.251	5.7	18.4

200045 2007 TT_{326} 9 17.9 143°.64 1°.8/19.9 18

8 9	0 7.53	+ 5 46.0	2.147	2.928	14.8	20.5
8 19	0 3.63	+ 5 38.8	2.063	2.934	12.0	20.3
8 29	23 57.77	+ 5 16.4	2.000	2.940	8.7	20.1
9 8	23 50.43	+ 4 40.8	1.960	2.945	5.1	19.9
9 18	23 42.29	+ 3 55.0	1.949	2.950	2.0	19.7
9 28	23 34.18	+ 3 4.1	1.965	2.955	3.8	19.9
10 8	23 26.97	+ 2 13.7	2.010	2.959	7.3	20.1
10 18	23 21.31	+ 1 29.1	2.081	2.963	10.7	20.3

21090 1992 DZ_{6} 9 17.9 95°.63 0°.5/18.4 18

8 9	0 12.56	+ 0 6.4	1.940	2.740	15.5	18.7
8 19	0 7.66	+ 0 13.0	1.867	2.754	12.4	18.5
8 29	0 0.56	+ 0 8.3	1.816	2.768	8.7	18.3
9 8	23 51.83	− 0 5.2	1.790	2.782	4.5	18.1
9 18	23 42.28	− 0 24.2	1.791	2.795	0.5	17.8
9 28	23 32.89	− 0 44.2	1.820	2.809	4.2	18.1
10 8	23 24.63	− 1 0.7	1.878	2.822	8.1	18.4
10 18	23 18.20	− 1 10.2	1.960	2.835	11.6	18.6

142118 2002 RE_{6} 9 17.9 356°.16 0°.5/17.5 18

8 9	0 0.29	+ 2 11.8	1.179	2.031	20.4	19.2
8 19	23 59.44	+ 1 24.7	1.109	2.027	16.3	18.9
8 29	23 55.71	+ 0 12.3	1.057	2.024	11.4	18.7
9 8	23 49.67	− 1 20.0	1.025	2.022	5.7	18.3
9 18	23 42.29	− 3 2.6	1.017	2.022	0.6	18.0
9 28	23 34.96	− 4 42.5	1.032	2.022	6.3	18.4
10 8	23 29.02	− 6 7.5	1.071	2.023	11.8	18.7
10 18	23 25.49	− 7 9.3	1.130	2.025	16.7	19.0

46574 1992 DE_{8} 9 17.9 98°.37 1°.7/19.7 18

8 9	0 8.37	+ 5 33.4	2.016	2.801	15.5	20.0
8 19	0 4.29	+ 5 20.0	1.945	2.819	12.5	19.8
8 29	23 58.20	+ 4 50.8	1.894	2.836	9.0	19.7
9 8	23 50.62	+ 4 8.0	1.868	2.854	5.2	19.5
9 18	23 42.30	+ 3 15.5	1.869	2.871	1.8	19.3
9 28	23 34.13	+ 2 19.1	1.898	2.888	3.8	19.5
10 8	23 26.98	+ 1 24.9	1.955	2.904	7.5	19.7
10 18	23 21.50	+ 0 38.1	2.038	2.920	10.9	20.0

353711 2011 VK_{4} 9 17.9 52°.08 2°.1/15.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 5.93	− 4 42.8	1.888	2.718	14.8	20.8
8 19	0 2.62	− 5 23.8	1.814	2.721	11.6	20.6
8 29	23 57.19	− 6 15.2	1.761	2.725	7.9	20.4
9 8	23 50.17	− 7 12.1	1.733	2.729	4.0	20.1
9 18	23 42.30	− 8 8.1	1.732	2.733	2.3	20.0
9 28	23 34.52	− 8 56.9	1.759	2.738	5.6	20.3
10 8	23 27.74	− 9 33.1	1.812	2.742	9.4	20.5
10 18	23 22.68	− 9 53.4	1.889	2.746	12.8	20.7

421704 2014 PR_{14} 9 17.9 303°.92 2°.0/15.5 18

8 9	0 2.29	− 4 19.0	2.256	3.082	12.8	21.3
8 19	23 59.48	− 5 14.5	2.169	3.075	10.0	21.1
8 29	23 54.91	− 6 20.4	2.105	3.069	6.8	20.9
9 8	23 48.99	− 7 32.2	2.067	3.063	3.5	20.6
9 18	23 42.31	− 8 44.0	2.057	3.057	2.2	20.5
9 28	23 35.62	− 9 49.5	2.075	3.051	5.2	20.7
10 8	23 29.68	−10 43.2	2.120	3.045	8.5	20.9
10 18	23 25.12	−11 21.7	2.190	3.039	11.6	21.1

510399 2011 UH_{130} 9 17.9 12°.62 0°.9/18.9 18

8 9	0 4.23	+ 4 12.6	1.945	2.747	15.4	21.7
8 19	0 1.29	+ 3 44.7	1.861	2.747	12.4	21.5
8 29	23 56.30	+ 3 0.0	1.797	2.747	8.8	21.3
9 8	23 49.74	+ 2 1.2	1.757	2.747	4.8	21.0
9 18	23 42.31	+ 0 53.2	1.744	2.748	1.0	20.8
9 28	23 34.89	− 0 17.5	1.758	2.748	4.0	21.0
10 8	23 28.39	− 1 23.7	1.800	2.749	8.1	21.2
10 18	23 23.52	− 2 19.6	1.867	2.749	11.7	21.5

59556 1999 JF_{41} 9 17.9 64°.33 7°.9/10.9 18

8 9	0 10.54	−19 13.2	1.631	2.483	15.7	18.6
8 19	0 6.68	−20 27.7	1.573	2.486	12.7	18.4
8 29	0 0.19	−21 41.4	1.536	2.489	9.8	18.3
9 8	23 51.75	−22 44.9	1.522	2.492	8.0	18.2
9 18	23 42.30	−23 29.4	1.534	2.496	8.5	18.2
9 28	23 33.08	−23 48.3	1.570	2.499	10.9	18.4
10 8	23 25.23	−23 39.6	1.629	2.502	13.8	18.5
10 18	23 19.57	−23 4.8	1.709	2.506	16.6	18.7

454844 2015 RJ_{233} 9 17.9 293°.16 3°.1/14.9 18

8 9	0 7.81	− 9 21.9	2.123	2.953	13.4	21.5
8 19	0 3.97	− 9 49.8	2.035	2.943	10.5	21.3
8 29	23 58.09	−10 23.4	1.970	2.933	7.3	21.0
9 8	23 50.65	−10 57.9	1.930	2.923	4.1	20.8
9 18	23 42.32	−11 28.3	1.917	2.913	3.3	20.8
9 28	23 33.98	−11 49.4	1.933	2.903	6.0	20.9
10 8	23 26.53	−11 57.6	1.975	2.894	9.4	21.1
10 18	23 20.67	−11 50.9	2.041	2.884	12.6	21.3

179093 2001 SG_{178} 9 17.9 304°.04 3°.1/15.6 18

8 9	0 12.27	−10 5.0	1.889	2.718	14.8	20.0
8 19	0 7.81	−10 12.5	1.799	2.705	11.7	19.8
8 29	0 0.94	−10 24.3	1.730	2.691	8.2	19.5
9 8	23 52.18	−10 35.9	1.685	2.678	4.6	19.3
9 18	23 42.31	−10 42.2	1.668	2.665	3.3	19.2
9 28	23 32.42	−10 38.7	1.678	2.652	6.4	19.3
10 8	23 23.56	−10 22.2	1.715	2.640	10.2	19.5
10 18	23 16.62	− 9 51.7	1.776	2.627	13.8	19.7

254288 2004 RG_{236} 9 17.9 216°.38 0°.4/18.5 18

8 9	0 2.31	+ 4 12.5	2.400	3.191	13.1	20.9
8 19	23 59.37	+ 3 20.8	2.307	3.189	10.5	20.7
8 29	23 54.78	+ 2 13.6	2.237	3.186	7.4	20.5
9 8	23 48.91	+ 0 54.2	2.192	3.183	3.9	20.3
9 18	23 42.34	− 0 32.6	2.176	3.180	0.4	20.0
9 28	23 35.77	− 2 0.6	2.189	3.177	3.6	20.3
10 8	23 29.89	− 3 23.2	2.231	3.174	7.1	20.5
10 18	23 25.31	− 4 35.1	2.300	3.171	10.3	20.7

154657 2004 FE_{11} 9 17.9 1°.26 3°.6/15.5 18

8 9	0 1.19	− 6 9.2	1.023	1.905	20.7	19.2
8 19	0 0.53	− 6 42.3	0.965	1.901	16.3	18.9
8 29	23 56.64	− 7 30.3	0.923	1.899	11.2	18.6
9 8	23 50.19	− 8 25.1	0.901	1.899	5.9	18.3
9 18	23 42.34	− 9 16.7	0.900	1.901	3.9	18.2
9 28	23 34.64	− 9 54.5	0.922	1.905	8.4	18.5
10 8	23 28.59	−10 11.0	0.964	1.910	13.6	18.8
10 18	23 25.24	−10 3.3	1.025	1.917	18.3	19.1

381369 2008 EQ_{111} 9 17.9 62°.99 3°.0/15.6 16

8 9	0 10.35	− 5 25.2	1.357	2.202	18.6	21.5
8 19	0 6.67	− 6 11.8	1.307	2.222	14.5	21.3
8 29	0 0.22	− 7 10.4	1.276	2.243	9.8	21.1
9 8	23 51.74	− 8 13.7	1.268	2.264	5.1	20.9
9 18	23 42.33	− 9 12.9	1.284	2.285	3.2	20.9
9 28	23 33.31	− 9 59.8	1.327	2.306	7.1	21.1
10 8	23 25.87	−10 28.6	1.394	2.327	11.4	21.5
10 18	23 20.79	−10 37.0	1.483	2.347	15.3	21.8

52671 1998 DL_4 9 17.9 245°.41 4°.5/22.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 8.73	+12 41.6	2.408	3.143	14.6	19.3
8 19	0 4.61	+13 11.6	2.301	3.131	12.4	19.1
8 29	23 58.55	+13 26.4	2.214	3.119	9.8	18.9
9 8	23 50.92	+13 25.0	2.150	3.107	7.0	18.7
9 18	23 42.34	+13 7.8	2.113	3.094	4.8	18.6
9 28	23 33.61	+12 37.1	2.104	3.082	4.9	18.6
10 8	23 25.57	+11 57.3	2.123	3.068	7.3	18.7
10 18	23 18.97	+11 13.9	2.169	3.055	10.1	18.9

400483 2008 HF_4 9 17.9 39°.03 7°.9/ 9.7 18

8 9	0 6.01	−20 38.1	1.792	2.647	14.4	19.8
8 19	0 2.78	−22 4.3	1.748	2.661	11.7	19.6
8 29	23 57.30	−23 27.6	1.726	2.675	9.2	19.5
9 8	23 50.20	−24 39.1	1.728	2.690	7.9	19.5
9 18	23 42.35	−25 31.0	1.755	2.706	8.6	19.6
9 28	23 34.76	−25 57.9	1.807	2.722	10.6	19.7
10 8	23 28.38	−25 58.2	1.882	2.738	13.0	19.9
10 18	23 23.89	−25 33.6	1.977	2.755	15.3	20.1

63239 2001 BD_{25} 9 17.9 240°.76 1°.2/20.5 18 R

8 9	23 58.35	+ 6 28.4	4.647	5.402	7.8	19.5
8 19	23 55.39	+ 6 21.4	4.544	5.398	6.3	19.3
8 29	23 51.58	+ 6 7.1	4.464	5.394	4.6	19.2
9 8	23 47.15	+ 5 46.5	4.411	5.390	2.8	19.1
9 18	23 42.38	+ 5 20.8	4.387	5.386	1.3	19.0
9 28	23 37.59	+ 4 52.1	4.393	5.381	2.0	19.0
10 8	23 33.14	+ 4 22.4	4.429	5.377	3.7	19.1
10 18	23 29.30	+ 3 54.0	4.494	5.373	5.5	19.3

217201 2002 TM_{186} 9 17.9 328°.46 2°.3/19.6 18

8 9	0 3.97	+ 4 32.1	1.260	2.093	20.5	19.6
8 19	0 2.42	+ 4 43.7	1.176	2.079	16.8	19.3
8 29	23 57.91	+ 4 33.9	1.109	2.065	12.3	19.0
9 8	23 50.92	+ 4 3.5	1.062	2.053	7.2	18.7
9 18	23 42.35	+ 3 16.4	1.038	2.041	2.5	18.4
9 28	23 33.60	+ 2 20.2	1.037	2.029	5.5	18.6
10 8	23 26.15	+ 1 24.6	1.060	2.019	10.9	18.8
10 18	23 21.15	+ 0 38.7	1.104	2.010	16.0	19.1

151683 2003 AE_{29} 9 17.9 305°.40 1°.4/19.0 18

8 9	0 6.08	+ 3 9.4	1.458	2.281	18.7	20.1
8 19	0 3.74	+ 3 9.4	1.365	2.264	15.2	19.8
8 29	23 58.64	+ 2 50.6	1.291	2.246	11.0	19.5
9 8	23 51.23	+ 2 14.7	1.238	2.229	6.1	19.2
9 18	23 42.35	+ 1 25.7	1.209	2.213	1.5	18.8
9 28	23 33.24	+ 0 30.9	1.205	2.196	5.2	19.0
10 8	23 25.26	− 0 21.1	1.226	2.180	10.4	19.3
10 18	23 19.49	− 1 2.8	1.269	2.165	15.2	19.5

405722 2005 WV_{157} 9 17.9 243°.79 4°.4/23.4 17

8 9	0 5.75	+14 44.1	2.689	3.410	13.5	21.7
8 19	0 2.04	+15 1.1	2.579	3.398	11.5	21.5
8 29	23 56.64	+15 2.5	2.490	3.386	9.2	21.3
9 8	23 49.90	+14 47.6	2.423	3.373	6.7	21.2
9 18	23 42.36	+14 17.0	2.383	3.360	4.8	21.0
9 28	23 34.70	+13 33.4	2.372	3.347	4.7	21.0
10 8	23 27.65	+12 41.1	2.389	3.333	6.6	21.1
10 18	23 21.84	+11 45.2	2.432	3.320	9.2	21.2

22008 1999 XM_{71} 9 17.9 314°.44 0°.9/16.1 18

8 9	23 58.31	− 5 2.0	4.301	5.108	7.5	18.9
8 19	23 55.42	− 5 29.4	4.212	5.107	5.8	18.7
8 29	23 51.62	− 6 1.0	4.148	5.107	3.9	18.6
9 8	23 47.17	− 6 34.8	4.111	5.106	2.0	18.4
9 18	23 42.38	− 7 8.5	4.104	5.105	1.0	18.4
9 28	23 37.60	− 7 39.7	4.127	5.105	2.7	18.5
10 8	23 33.19	− 8 6.2	4.179	5.104	4.7	18.6
10 18	23 29.45	− 8 26.1	4.259	5.104	6.5	18.8

398781 2013 AR_{117} 9 17.9 243°.65 3°.0/14.9 18

8 9	0 6.87	− 7 41.6	2.004	2.836	14.0	21.3
8 19	0 3.30	− 8 25.5	1.925	2.833	10.9	21.1
8 29	23 57.67	− 9 17.4	1.867	2.831	7.5	20.9
9 8	23 50.46	−10 11.9	1.835	2.829	4.2	20.7
9 18	23 42.37	−11 3.1	1.829	2.826	3.2	20.6
9 28	23 34.33	−11 44.6	1.852	2.823	6.2	20.8
10 8	23 27.23	−12 12.0	1.901	2.821	9.7	21.0
10 18	23 21.79	−12 22.7	1.974	2.818	12.9	21.2

17828 1998 HK_8 9 17.9 349°.77 0°.1/17.9 18

8 9	0 4.73	+ 0 14.0	1.905	2.722	15.2	18.4
8 19	0 1.75	− 0 3.9	1.822	2.719	12.1	18.2
8 29	23 56.67	− 0 35.0	1.759	2.717	8.4	18.0
9 8	23 49.98	− 1 16.3	1.720	2.715	4.3	17.7
9 18	23 42.38	− 2 3.2	1.708	2.713	0.1	17.4
9 28	23 34.79	− 2 49.6	1.723	2.712	4.4	17.7
10 8	23 28.14	− 3 29.8	1.765	2.711	8.5	18.0
10 18	23 23.15	− 3 59.2	1.832	2.710	12.1	18.2

483706 2005 SW_{113} 9 17.9 330°.86 1°.2/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 9.16	− 4 34.8	1.891	2.714	15.0	21.7
8 19	0 5.28	− 4 36.2	1.805	2.708	11.9	21.5
8 29	23 59.15	− 4 46.0	1.740	2.701	8.2	21.2
9 8	23 51.26	− 5 0.8	1.700	2.695	4.1	21.0
9 18	23 42.37	− 5 16.6	1.686	2.690	1.3	20.8
9 28	23 33.49	− 5 28.5	1.700	2.684	5.0	21.0
10 8	23 25.61	− 5 32.5	1.741	2.679	9.1	21.3
10 18	23 19.53	− 5 25.9	1.806	2.675	12.7	21.5

161241 2003 BE_{12} 9 17.9 269°.78 1°.3/16.9 18

8 9	0 8.69	− 2 35.5	1.698	2.524	16.3	20.9
8 19	0 5.34	− 3 1.5	1.604	2.508	13.0	20.7
8 29	23 59.47	− 3 41.1	1.531	2.493	9.0	20.4
9 8	23 51.55	− 4 30.2	1.481	2.477	4.5	20.1
9 18	23 42.37	− 5 22.9	1.458	2.461	1.4	19.9
9 28	23 33.04	− 6 11.9	1.461	2.445	5.7	20.1
10 8	23 24.75	− 6 50.3	1.490	2.429	10.3	20.4
10 18	23 18.43	− 7 13.4	1.543	2.413	14.5	20.6

127721 2003 EV_{41} 9 17.9 135°.70 2°.7/15.7 17

8 9	0 11.06	− 4 2.8	1.526	2.358	17.5	21.0
8 19	0 7.15	− 5 1.2	1.459	2.368	13.8	20.8
8 29	0 0.59	− 6 13.8	1.413	2.378	9.4	20.6
9 8	23 52.01	− 7 33.5	1.391	2.387	4.8	20.3
9 18	23 42.37	− 8 51.7	1.394	2.395	2.9	20.2
9 28	23 32.91	− 9 59.2	1.425	2.403	6.8	20.5
10 8	23 24.81	−10 48.9	1.481	2.410	11.2	20.8
10 18	23 18.93	−11 17.3	1.560	2.417	15.1	21.0

146886 2002 CW_{27} 9 17.9 226°.90 1°.7/16.1 18

8 9	0 6.23	− 4 46.6	2.338	3.155	12.7	20.5
8 19	0 2.50	− 5 19.0	2.250	3.150	10.0	20.3
8 29	23 56.96	− 5 59.9	2.184	3.145	6.8	20.1
9 8	23 50.06	− 6 45.5	2.144	3.139	3.5	19.9
9 18	23 42.38	− 7 31.1	2.132	3.134	1.8	19.7
9 28	23 34.71	− 8 11.6	2.150	3.128	4.7	19.9
10 8	23 27.80	− 8 42.7	2.194	3.123	8.1	20.1
10 18	23 22.30	− 9 1.4	2.265	3.117	11.2	20.3

518498 2005 YF_{264} 9 17.9 201°.25 3°.0/14.1 18

8 9	0 4.95	− 9 28.0	2.531	3.357	11.6	21.9
8 19	0 1.33	−10 18.1	2.449	3.355	9.0	21.7
8 29	23 56.06	−11 13.6	2.392	3.353	6.2	21.5
9 8	23 49.56	−12 10.0	2.360	3.351	3.7	21.3
9 18	23 42.39	−13 2.1	2.357	3.349	3.3	21.3
9 28	23 35.25	−13 45.0	2.383	3.346	5.6	21.5
10 8	23 28.83	−14 15.1	2.436	3.343	8.4	21.6
10 18	23 23.70	−14 30.2	2.514	3.340	11.0	21.8

438977 2010 OQ_{23} 9 17.9 337°.44 5°.3/12.6 18

8 9	0 3.13	−12 7.9	1.738	2.594	14.7	20.5
8 19	0 0.77	−13 15.6	1.663	2.584	11.6	20.3
8 29	23 56.15	−14 30.0	1.609	2.575	8.3	20.1
9 8	23 49.77	−15 43.5	1.579	2.567	5.7	19.9
9 18	23 42.39	−16 47.7	1.575	2.559	5.8	19.9
9 28	23 35.02	−17 35.0	1.597	2.552	8.6	20.0
10 8	23 28.69	−18 0.4	1.643	2.546	12.0	20.2
10 18	23 24.17	−18 2.2	1.710	2.540	15.2	20.4

107807 2001 FG_{59} 9 17.9 169°.52 2°.0/16.0 18

8 9	0 8.25	− 2 25.7	1.738	2.563	16.1	20.6
8 19	0 4.70	− 3 25.4	1.661	2.566	12.6	20.4
8 29	23 58.80	− 4 40.0	1.605	2.568	8.6	20.2
9 8	23 51.09	− 6 3.6	1.574	2.570	4.3	19.9
9 18	23 42.38	− 7 28.4	1.570	2.572	2.2	19.8
9 28	23 33.73	− 8 45.7	1.593	2.573	6.0	20.0
10 8	23 26.19	− 9 48.3	1.643	2.573	10.2	20.3
10 18	23 20.55	−10 31.6	1.717	2.574	13.9	20.5

44324 1998 RA_{45} 9 17.9 282°.68 1°.3/16.5 18

8 9	0 3.77	− 0 20.0	1.953	2.772	14.8	18.3
8 19	0 1.17	− 1 21.8	1.847	2.748	11.7	18.0
8 29	23 56.44	− 2 41.2	1.761	2.723	8.1	17.8
9 8	23 49.97	− 4 13.7	1.701	2.697	4.0	17.5
9 18	23 42.39	− 5 52.8	1.668	2.672	1.5	17.2
9 28	23 34.60	− 7 29.7	1.664	2.646	5.4	17.5
10 8	23 27.57	− 8 55.8	1.687	2.620	9.7	17.7
10 18	23 22.16	−10 4.7	1.734	2.594	13.6	17.8

347462 2012 TY_{308} 9 17.9 30°.45 7°.1/13.8 16

8 9	0 15.20	−17 26.0	1.317	2.173	18.5	20.8
8 19	0 10.73	−17 52.8	1.266	2.184	14.8	20.6
8 29	0 3.14	−18 17.9	1.234	2.195	10.9	20.4
9 8	23 53.27	−18 32.8	1.224	2.207	7.7	20.3
9 18	23 42.38	−18 29.9	1.238	2.219	7.4	20.3
9 28	23 31.97	−18 4.3	1.276	2.233	10.1	20.5
10 8	23 23.38	−17 15.9	1.338	2.247	13.8	20.8
10 18	23 17.49	−16 7.4	1.421	2.261	17.2	21.0

305238 2007 XZ_{25} 9 17.9 160°.67 1°.5/19.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 6.56	+ 4 57.8	2.069	2.858	15.0	21.3
8 19	0 3.00	+ 4 47.3	1.983	2.860	12.2	21.1
8 29	23 57.45	+ 4 21.5	1.917	2.861	8.8	20.9
9 8	23 50.35	+ 3 42.4	1.876	2.863	5.0	20.7
9 18	23 42.40	+ 2 53.4	1.861	2.864	1.7	20.4
9 28	23 34.46	+ 1 59.9	1.875	2.865	3.8	20.6
10 8	23 27.41	+ 1 8.0	1.916	2.866	7.6	20.8
10 18	23 21.95	+ 0 22.9	1.983	2.866	11.1	21.1

221738 2007 EN_{113} 9 17.9 71°.13 1°.3/19.6 18

8 9	0 2.46	+ 6 17.8	2.277	3.062	14.0	20.5
8 19	23 59.58	+ 5 42.2	2.190	3.065	11.3	20.3
8 29	23 54.96	+ 4 50.2	2.125	3.068	8.1	20.1
9 8	23 49.04	+ 3 44.5	2.084	3.071	4.6	19.9
9 18	23 42.41	+ 2 29.3	2.071	3.074	1.4	19.7
9 28	23 35.80	+ 1 10.4	2.087	3.077	3.5	19.9
10 8	23 29.95	− 0 5.5	2.131	3.080	7.0	20.1
10 18	23 25.47	− 1 13.0	2.201	3.083	10.2	20.3

160135 2000 YB_{131} 9 17.9 56°.14 3°.7/25.4 18

8 9	0 0.31	+18 30.3	4.340	5.016	9.3	19.2
8 19	23 57.04	+18 48.5	4.240	5.019	8.0	19.1
8 29	23 52.79	+18 55.8	4.160	5.022	6.6	19.0
9 8	23 47.81	+18 52.1	4.104	5.026	5.1	18.9
9 18	23 42.42	+18 37.8	4.075	5.029	4.0	18.8
9 28	23 37.02	+18 14.2	4.075	5.032	3.7	18.8
10 8	23 32.00	+17 43.5	4.103	5.036	4.5	18.9
10 18	23 27.70	+17 8.5	4.159	5.039	5.9	19.0

95203 2002 BU_{22} 9 17.9 162°.69 7°.3/10.9 18

8 9	0 13.31	−20 38.2	1.987	2.821	14.0	18.9
8 19	0 8.39	−21 44.2	1.925	2.826	11.3	18.8
8 29	0 1.16	−22 48.1	1.885	2.830	8.8	18.6
9 8	23 52.22	−23 42.0	1.870	2.833	7.3	18.6
9 18	23 42.41	−24 18.7	1.881	2.836	7.8	18.6
9 28	23 32.80	−24 33.0	1.919	2.838	9.8	18.7
10 8	23 24.38	−24 23.2	1.981	2.840	12.3	18.9
10 18	23 17.91	−23 50.7	2.065	2.842	14.8	19.1

39214 2000 XG_{42} 9 17.9 294°.40 0°.3/17.7 18 R

8 9	0 10.36	− 2 34.3	2.106	2.914	14.2	18.7
8 19	0 6.17	− 2 26.9	2.000	2.893	11.4	18.5
8 29	23 59.79	− 2 27.9	1.916	2.872	8.0	18.3
9 8	23 51.66	− 2 35.1	1.857	2.851	4.1	18.0
9 18	23 42.43	− 2 45.4	1.826	2.830	0.3	17.6
9 28	23 33.03	− 2 54.7	1.823	2.810	4.4	17.9
10 8	23 24.44	− 2 59.3	1.848	2.789	8.5	18.1
10 18	23 17.48	− 2 55.8	1.898	2.768	12.1	18.3

295513 2008 RR_{82} 9 17.9 332°.45 0°.5/18.9 17

8 9	23 57.87	+ 2 48.7	4.088	4.868	8.3	21.1
8 19	23 55.16	+ 2 26.3	3.991	4.865	6.6	20.9
8 29	23 51.50	+ 1 56.5	3.918	4.863	4.7	20.8
9 8	23 47.17	+ 1 20.8	3.871	4.860	2.5	20.6
9 18	23 42.45	+ 0 41.3	3.854	4.858	0.5	20.5
9 28	23 37.74	+ 0 0.6	3.867	4.856	2.1	20.6
10 8	23 33.40	− 0 38.6	3.909	4.854	4.3	20.8
10 18	23 29.76	− 1 13.9	3.980	4.851	6.3	20.9

395971 2013 BT_{9} 9 17.9 300°.46 1°.1/19.0 18

8 9	0 8.04	+ 2 39.8	1.948	2.748	15.5	21.4
8 19	0 4.33	+ 2 40.3	1.862	2.746	12.5	21.2
8 29	23 58.47	+ 2 27.1	1.796	2.745	8.9	21.0
9 8	23 50.93	+ 2 2.1	1.754	2.744	4.9	20.7
9 18	23 42.44	+ 1 28.9	1.739	2.743	1.2	20.5
9 28	23 33.96	+ 0 52.2	1.752	2.742	4.1	20.7
10 8	23 26.42	+ 0 17.7	1.792	2.741	8.1	20.9
10 18	23 20.60	− 0 9.8	1.857	2.740	11.8	21.1

317906 2003 UW_{257} 9 17.9 287°.38 1°.8/16.3 18

8 9	0 5.80	− 3 18.2	1.836	2.664	15.2	20.9
8 19	0 2.88	− 3 56.9	1.738	2.645	12.1	20.6
8 29	23 57.68	− 4 48.8	1.662	2.625	8.3	20.4
9 8	23 50.64	− 5 49.5	1.609	2.606	4.2	20.1
9 18	23 42.45	− 6 52.9	1.584	2.586	1.9	19.9
9 28	23 34.10	− 7 51.5	1.585	2.567	5.7	20.1
10 8	23 26.64	− 8 38.5	1.613	2.547	10.0	20.3
10 18	23 20.95	− 9 9.2	1.664	2.528	13.9	20.5

40559 1999 RO_{118} 9 17.9 102°.79 0°.3/18.2 18

8 9	0 7.08	+ 3 39.5	1.499	2.316	18.5	18.3
8 19	0 4.11	+ 2 54.2	1.428	2.325	14.8	18.0
8 29	23 58.56	+ 1 47.4	1.377	2.334	10.4	17.8
9 8	23 51.03	+ 0 23.7	1.349	2.342	5.4	17.5
9 18	23 42.44	− 1 9.3	1.345	2.350	0.3	17.2
9 28	23 33.98	− 2 41.6	1.369	2.358	5.1	17.6
10 8	23 26.80	− 4 3.6	1.419	2.366	9.9	17.9
10 18	23 21.75	− 5 8.2	1.492	2.374	14.1	18.1

469832 2005 SD_{239} 9 17.9 342°.35 0°.8/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 0.85	− 0 24.1	1.170	2.030	20.1	21.2
8 19	0 0.06	− 0 47.5	1.095	2.018	16.1	20.9
8 29	23 56.30	− 1 31.5	1.037	2.006	11.2	20.6
9 8	23 50.11	− 2 31.6	0.999	1.997	5.7	20.3
9 18	23 42.45	− 3 39.9	0.983	1.988	0.9	19.9
9 28	23 34.71	− 4 45.7	0.991	1.981	6.5	20.3
10 8	23 28.35	− 5 38.7	1.021	1.974	12.1	20.6
10 18	23 24.47	− 6 11.7	1.071	1.970	17.1	20.8

449838 2014 QR_{337} 9 17.9 355°.85 1°.0/16.8 18

8 9	0 1.76	− 0 36.6	2.108	2.927	13.8	21.0
8 19	23 59.20	− 1 29.2	2.025	2.926	10.9	20.8
8 29	23 54.80	− 2 35.3	1.964	2.925	7.4	20.6
9 8	23 49.01	− 3 50.5	1.928	2.924	3.7	20.4
9 18	23 42.46	− 5 9.1	1.920	2.924	1.1	20.2
9 28	23 35.92	− 6 24.1	1.940	2.924	4.6	20.5
10 8	23 30.19	− 7 29.2	1.987	2.924	8.3	20.7
10 18	23 25.90	− 8 19.8	2.060	2.924	11.6	20.9

169627 2002 GY_{169} 9 17.9 173°.22 0°.2/17.8 18

8 9	0 12.25	− 0 12.7	1.686	2.498	17.0	20.8
8 19	0 7.98	− 0 28.9	1.606	2.500	13.6	20.6
8 29	0 1.16	− 0 59.3	1.546	2.502	9.5	20.4
9 8	23 52.36	− 1 40.6	1.509	2.503	4.8	20.1
9 18	23 42.45	− 2 27.5	1.499	2.504	0.2	19.7
9 28	23 32.59	− 3 13.3	1.517	2.505	5.0	20.1
10 8	23 23.92	− 3 51.3	1.562	2.505	9.6	20.4
10 18	23 17.33	− 4 17.1	1.630	2.504	13.6	20.6

163898 2003 SN_{216} 9 17.9 6°.69 1°.9/19.6 18

8 9	23 59.95	+ 5 41.6	1.266	2.102	20.3	19.5
8 19	23 58.97	+ 5 28.5	1.198	2.102	16.5	19.3
8 29	23 55.28	+ 4 50.9	1.147	2.104	11.9	19.0
9 8	23 49.46	+ 3 51.6	1.117	2.108	6.8	18.8
9 18	23 42.46	+ 2 36.7	1.109	2.112	2.1	18.5
9 28	23 35.52	+ 1 16.0	1.126	2.118	5.1	18.7
10 8	23 29.91	+ 0 0.3	1.166	2.125	10.1	19.0
10 18	23 26.53	− 1 1.6	1.228	2.134	14.7	19.3

481845 2008 WG_{98} 9 17.9 303°.44 12°.6/ 3.8 18

8 9	0 9.96	−29 41.7	1.623	2.470	16.0	20.6
8 19	0 7.08	−31 37.8	1.544	2.437	14.1	20.4
8 29	0 1.14	−33 29.0	1.486	2.404	12.8	20.2
9 8	23 52.62	−35 2.4	1.451	2.371	12.7	20.1
9 18	23 42.46	−36 5.7	1.437	2.337	14.0	20.1
9 28	23 32.07	−36 29.8	1.445	2.304	16.2	20.2
10 8	23 22.97	−36 11.9	1.471	2.271	18.8	20.3
10 18	23 16.35	−35 14.7	1.514	2.238	21.4	20.4

127169 2002 GX_{151} 9 17.9 3°.38 2°.9/15.4 18

8 9	0 6.04	− 5 44.5	1.557	2.401	16.7	19.3
8 19	0 3.26	− 6 30.7	1.485	2.401	13.1	19.0
8 29	23 57.97	− 7 28.9	1.433	2.401	9.0	18.8
9 8	23 50.75	− 8 32.7	1.405	2.401	4.7	18.5
9 18	23 42.47	− 9 34.3	1.402	2.402	3.2	18.5
9 28	23 34.26	−10 25.6	1.426	2.403	6.8	18.7
10 8	23 27.26	−11 0.2	1.474	2.404	11.1	18.9
10 18	23 22.31	−11 14.9	1.544	2.406	14.9	19.2

281633 2008 UO_{307} 9 17.9 10°.11 7°.7/10.3 18

8 9	0 5.88	−16 34.8	1.576	2.436	15.7	19.8
8 19	0 3.17	−18 13.4	1.516	2.437	12.6	19.6
8 29	23 57.91	−19 55.3	1.478	2.438	9.5	19.4
9 8	23 50.71	−21 29.8	1.464	2.439	7.7	19.3
9 18	23 42.47	−22 46.6	1.475	2.440	8.4	19.4
9 28	23 34.36	−23 37.4	1.510	2.441	11.0	19.5
10 8	23 27.51	−23 58.3	1.568	2.443	14.1	19.7
10 18	23 22.75	−23 49.9	1.645	2.445	17.0	19.9

356509 2011 SM_{51} 9 17.9 0°.86 1°.7/19.7 18

8 9	0 4.06	+ 5 39.4	1.770	2.572	16.7	20.9
8 19	0 1.43	+ 5 23.2	1.687	2.572	13.6	20.7
8 29	23 56.58	+ 4 48.2	1.624	2.571	9.8	20.4
9 8	23 50.02	+ 3 56.9	1.583	2.571	5.6	20.2
9 18	23 42.48	+ 2 53.4	1.569	2.572	1.9	20.0
9 28	23 34.95	+ 1 44.7	1.581	2.572	4.2	20.1
10 8	23 28.41	+ 0 38.5	1.620	2.573	8.4	20.4
10 18	23 23.65	− 0 18.7	1.683	2.574	12.3	20.6

206531 2003 UP_{173} 9 17.9 347°.67 1°.2/19.2 18

8 9	0 4.03	+ 4 48.2	1.721	2.530	16.9	19.9
8 19	0 1.49	+ 4 23.3	1.638	2.528	13.6	19.7
8 29	23 56.67	+ 3 39.2	1.575	2.526	9.8	19.4
9 8	23 50.08	+ 2 38.7	1.534	2.524	5.4	19.2
9 18	23 42.48	+ 1 26.8	1.519	2.523	1.3	18.9
9 28	23 34.88	+ 0 11.1	1.531	2.522	4.4	19.1
10 8	23 28.30	− 1 0.2	1.570	2.521	8.8	19.4
10 18	23 23.54	− 2 0.1	1.632	2.521	12.8	19.6

395538 2011 UZ_{158} 9 17.9 309°.57 3°.0/20.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 6.48	+ 7 52.9	1.916	2.698	16.3	20.9
8 19	0 3.22	+ 8 0.7	1.826	2.694	13.5	20.7
8 29	23 57.78	+ 7 51.0	1.756	2.691	10.1	20.5
9 8	23 50.63	+ 7 24.7	1.709	2.688	6.3	20.3
9 18	23 42.48	+ 6 44.2	1.688	2.685	3.2	20.1
9 28	23 34.29	+ 5 54.3	1.694	2.683	4.3	20.2
10 8	23 27.03	+ 5 1.6	1.727	2.680	8.0	20.4
10 18	23 21.49	+ 4 12.3	1.785	2.677	11.6	20.6

193260 2000 SK_{123} 9 17.9 301°.35 2°.8/15.5 18

8 9	0 4.60	− 4 32.8	1.589	2.432	16.5	19.4
8 19	0 2.30	− 5 24.9	1.499	2.414	13.0	19.2
8 29	23 57.49	− 6 31.8	1.429	2.397	9.0	18.9
9 8	23 50.63	− 7 47.9	1.382	2.379	4.7	18.6
9 18	23 42.49	− 9 5.1	1.361	2.361	3.1	18.4
9 28	23 34.21	−10 13.9	1.366	2.344	7.0	18.6
10 8	23 26.96	−11 6.4	1.395	2.327	11.5	18.9
10 18	23 21.71	−11 37.6	1.447	2.310	15.6	19.1

363988 2005 UD_{266} 9 17.9 207°.62 3°.4/13.6 18

8 9	0 6.77	−11 48.8	2.702	3.526	11.0	22.2
8 19	0 2.68	−12 35.3	2.618	3.521	8.6	22.0
8 29	23 56.99	−13 25.4	2.557	3.516	6.1	21.8
9 8	23 50.08	−14 14.7	2.523	3.510	3.9	21.7
9 18	23 42.51	−14 58.4	2.518	3.504	3.7	21.7
9 28	23 34.96	−15 32.1	2.542	3.498	5.8	21.8
10 8	23 28.09	−15 52.6	2.593	3.491	8.4	22.0
10 18	23 22.48	−15 58.5	2.670	3.484	10.8	22.1

219297 2000 DK_{36} 9 17.9 195°.65 0°.5/17.3 18

8 9	0 4.24	− 1 13.5	2.882	3.681	11.0	21.6
8 19	0 0.58	− 1 44.5	2.790	3.678	8.7	21.4
8 29	23 55.48	− 2 24.5	2.721	3.676	6.0	21.3
9 8	23 49.29	− 3 10.4	2.679	3.673	3.0	21.1
9 18	23 42.51	− 3 58.8	2.666	3.670	0.6	20.9
9 28	23 35.73	− 4 45.7	2.682	3.667	3.4	21.1
10 8	23 29.55	− 5 26.9	2.728	3.663	6.4	21.3
10 18	23 24.47	− 5 59.6	2.801	3.659	9.1	21.5

356210 2009 RY_{31} 9 17.9 296°.54 0°.1/17.7 18

8 9	0 0.32	− 1 36.0	4.225	5.016	7.9	20.8
8 19	23 57.02	− 1 45.4	4.129	5.012	6.2	20.7
8 29	23 52.77	− 1 59.9	4.057	5.009	4.3	20.5
9 8	23 47.83	− 2 18.0	4.012	5.005	2.2	20.4
9 18	23 42.52	− 2 37.8	3.997	5.002	0.1	20.2
9 28	23 37.20	− 2 57.2	4.012	4.998	2.3	20.4
10 8	23 32.27	− 3 14.0	4.057	4.995	4.4	20.5
10 18	23 28.03	− 3 26.6	4.130	4.992	6.3	20.7

88112 2000 WF_{103} 9 17.9 334°.69 2°.7/14.9 18

8 9	0 2.99	− 5 27.5	2.048	2.881	13.7	19.4
8 19	0 0.25	− 6 30.4	1.968	2.878	10.7	19.2
8 29	23 55.59	− 7 44.1	1.910	2.876	7.3	19.0
9 8	23 49.46	− 9 2.8	1.878	2.873	3.9	18.8
9 18	23 42.51	−10 19.9	1.873	2.871	2.9	18.8
9 28	23 35.59	−11 28.2	1.897	2.869	5.9	18.9
10 8	23 29.51	−12 22.0	1.946	2.867	9.4	19.2
10 18	23 24.96	−12 57.8	2.020	2.866	12.6	19.4

180277 2003 WY_{65} 9 17.9 305°.66 1°.5/16.9 18

8 9	0 5.23	− 1 49.0	1.314	2.162	19.0	20.3
8 19	0 3.43	− 2 18.6	1.224	2.141	15.2	20.0
8 29	23 58.68	− 3 7.0	1.152	2.119	10.6	19.7
9 8	23 51.42	− 4 9.6	1.101	2.098	5.4	19.4
9 18	23 42.51	− 5 18.9	1.073	2.077	1.7	19.1
9 28	23 33.32	− 6 24.6	1.070	2.057	6.8	19.3
10 8	23 25.34	− 7 16.9	1.091	2.037	12.4	19.6
10 18	23 19.77	− 7 48.7	1.132	2.018	17.4	19.8

324793 2007 HH_{13} 9 17.9 29°.97 1°.7/20.1 18

8 9	0 1.60	+ 7 33.5	2.162	2.947	14.6	20.6
8 19	23 59.03	+ 6 57.7	2.078	2.951	11.9	20.5
8 29	23 54.67	+ 6 4.0	2.014	2.955	8.6	20.3
9 8	23 48.96	+ 4 54.9	1.975	2.960	5.0	20.1
9 18	23 42.52	+ 3 34.7	1.962	2.964	1.8	19.8
9 28	23 36.11	+ 2 9.8	1.979	2.969	3.6	20.0
10 8	23 30.50	+ 0 47.3	2.023	2.974	7.1	20.2
10 18	23 26.30	− 0 26.5	2.093	2.980	10.4	20.4

327191 2005 MD_{12} 9 17.9 58°.40 2°.0/16.4 17

8 9	0 9.29	− 3 9.6	1.335	2.178	19.0	21.0
8 19	0 5.98	− 3 49.8	1.282	2.196	14.9	20.8
8 29	23 59.87	− 4 44.7	1.247	2.213	10.1	20.6
9 8	23 51.69	− 5 47.7	1.235	2.231	5.0	20.3
9 18	23 42.51	− 6 50.3	1.247	2.250	2.2	20.2
9 28	23 33.67	− 7 43.6	1.285	2.268	6.5	20.5
10 8	23 26.37	− 8 20.9	1.348	2.287	11.1	20.8
10 18	23 21.44	− 8 38.8	1.432	2.306	15.2	21.1

276959 2004 TE_{329} 9 17.9 55°.81 3°.3/15.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 11.65	− 8 14.1	1.521	2.362	17.2	21.1
8 19	0 7.57	− 8 39.8	1.460	2.374	13.5	20.9
8 29	0 0.84	− 9 13.3	1.420	2.386	9.2	20.7
9 8	23 52.16	− 9 48.3	1.404	2.398	5.0	20.5
9 18	23 42.51	−10 18.2	1.413	2.411	3.5	20.4
9 28	23 33.15	−10 36.7	1.448	2.424	6.9	20.6
10 8	23 25.21	−10 39.7	1.509	2.438	11.0	20.9
10 18	23 19.50	−10 25.9	1.592	2.451	14.7	21.2

431806 2008 RD_{14} 9 17.9 3°.20 1°.0/19.9 16

8 9	0 1.43	+ 3 58.4	4.370	5.133	8.1	21.0
8 19	23 57.84	+ 4 4.1	4.272	5.133	6.5	20.9
8 29	23 53.32	+ 4 3.3	4.198	5.133	4.7	20.8
9 8	23 48.11	+ 3 57.0	4.150	5.133	2.8	20.6
9 18	23 42.54	+ 3 46.4	4.132	5.133	1.1	20.5
9 28	23 36.96	+ 3 33.3	4.145	5.133	2.0	20.6
10 8	23 31.75	+ 3 19.7	4.188	5.134	4.0	20.7
10 18	23 27.23	+ 3 7.5	4.259	5.134	5.8	20.9

91788 1999 TG_{221} 9 17.9 283°.83 1°.0/17.1 18

8 9	0 9.18	− 4 5.5	2.227	3.038	13.4	19.6
8 19	0 4.97	− 4 10.0	2.135	3.031	10.6	19.4
8 29	23 58.79	− 4 22.3	2.066	3.024	7.3	19.2
9 8	23 51.10	− 4 39.3	2.022	3.017	3.7	19.0
9 18	23 42.55	− 4 57.4	2.006	3.010	1.0	18.8
9 28	23 33.98	− 5 12.6	2.019	3.004	4.4	19.0
10 8	23 26.25	− 5 21.1	2.060	2.997	8.0	19.2
10 18	23 20.05	− 5 20.3	2.127	2.990	11.3	19.4

402835 2007 GX_{27} 9 17.9 141°.22 3°.2/13.2 18

8 9	0 4.52	−10 42.8	2.936	3.759	10.2	22.0
8 19	0 0.72	−11 48.2	2.866	3.770	7.9	21.8
8 29	23 55.51	−12 57.5	2.821	3.781	5.5	21.7
9 8	23 49.30	−14 6.3	2.804	3.791	3.5	21.6
9 18	23 42.56	−15 9.6	2.815	3.800	3.5	21.6
9 28	23 35.88	−16 3.1	2.857	3.810	5.4	21.7
10 8	23 29.86	−16 43.4	2.926	3.819	7.7	21.9
10 18	23 24.94	−17 9.1	3.021	3.827	9.9	22.1

440386 2005 EP_{251} 9 17.9 141°.23 2°.1/15.6 18

8 9	0 9.23	− 6 18.1	2.452	3.263	12.3	22.1
8 19	0 4.65	− 6 57.7	2.378	3.276	9.6	21.9
8 29	23 58.34	− 7 44.2	2.328	3.288	6.5	21.7
9 8	23 50.77	− 8 33.3	2.305	3.299	3.4	21.5
9 18	23 42.56	− 9 20.2	2.310	3.309	2.3	21.5
9 28	23 34.46	−10 0.2	2.346	3.319	4.8	21.7
10 8	23 27.20	−10 29.5	2.409	3.329	7.9	21.9
10 18	23 21.36	−10 45.9	2.498	3.338	10.7	22.1

356524 2011 SK_{91} 9 17.9 316°.91 1°.3/19.2 18

8 9	0 6.58	+ 3 11.9	1.878	2.681	15.9	20.9
8 19	0 3.34	+ 3 9.9	1.789	2.675	12.8	20.7
8 29	23 57.90	+ 2 53.1	1.720	2.670	9.2	20.4
9 8	23 50.73	+ 2 23.4	1.675	2.665	5.1	20.2
9 18	23 42.56	+ 1 44.4	1.657	2.660	1.4	19.9
9 28	23 34.34	+ 1 1.3	1.665	2.656	4.2	20.1
10 8	23 27.07	+ 0 20.4	1.701	2.651	8.3	20.3
10 18	23 21.53	− 0 13.2	1.761	2.647	12.1	20.6

193369 2000 UH_{73} 9 17.9 253°.28 3°.4/14.5 18

8 9	0 9.78	− 9 0.9	2.154	2.978	13.4	20.2
8 19	0 5.69	− 9 48.2	2.054	2.958	10.6	20.0
8 29	23 59.47	−10 43.2	1.976	2.937	7.4	19.8
9 8	23 51.54	−11 40.8	1.924	2.915	4.3	19.5
9 18	23 42.56	−12 34.7	1.900	2.893	3.7	19.4
9 28	23 33.43	−13 18.6	1.904	2.870	6.5	19.6
10 8	23 25.11	−13 47.6	1.935	2.847	10.0	19.8
10 18	23 18.39	−13 59.0	1.991	2.823	13.3	19.9

370856 2005 CA_{76} 9 17.9 199°.21 1°.9/19.5 18

8 9	0 12.28	+ 4 3.3	1.630	2.430	18.0	21.6
8 19	0 8.23	+ 4 12.1	1.545	2.428	14.7	21.4
8 29	0 1.51	+ 4 4.2	1.479	2.426	10.6	21.1
9 8	23 52.66	+ 3 40.9	1.436	2.424	6.1	20.9
9 18	23 42.56	+ 3 5.5	1.419	2.421	2.1	20.6
9 28	23 32.43	+ 2 24.0	1.428	2.418	4.7	20.8
10 8	23 23.48	+ 1 43.1	1.464	2.415	9.4	21.1
10 18	23 16.68	+ 1 9.3	1.524	2.411	13.6	21.3

280013 2001 VM_{76} 9 17.9 290°.15 14°.7/ 2.2 16

8 9	0 2.66	+30 57.3	1.250	1.948	27.2	20.5
8 19	0 2.07	+32 7.2	1.164	1.937	25.1	20.2
8 29	23 58.17	+32 38.1	1.088	1.925	22.5	20.0
9 8	23 51.35	+32 20.0	1.025	1.913	19.6	19.7
9 18	23 42.56	+31 5.1	0.978	1.902	16.7	19.5
9 28	23 33.41	+28 52.7	0.950	1.890	14.9	19.4
10 8	23 25.72	+25 53.0	0.943	1.879	15.0	19.4
10 18	23 20.91	+22 25.4	0.957	1.868	17.3	19.5

374719 2006 SB_{26} 9 17.9 335°.27 6°.1/21.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 9	0 12.03	+ 7 24.2	1.248	2.058	22.0	20.6
8 19	0 9.07	+ 8 47.7	1.166	2.047	18.5	20.3
8 29	0 2.77	+ 9 54.9	1.100	2.038	14.3	20.1
9 8	23 53.59	+10 42.5	1.053	2.029	9.8	19.8
9 18	23 42.57	+11 8.2	1.029	2.021	6.4	19.6
9 28	23 31.26	+11 13.6	1.029	2.014	7.4	19.6
10 8	23 21.39	+11 4.5	1.052	2.008	11.5	19.8
10 18	23 14.30	+10 48.9	1.096	2.002	16.1	20.1

177803 2005 LX_{50} 9 17.9 349°.30 6°.7/11.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 1.85	−13 59.7	1.564	2.430	15.6	19.3
8 19	0 0.06	−15 30.3	1.498	2.424	12.3	19.0
8 29	23 55.84	−17 7.1	1.452	2.418	9.1	18.8
9 8	23 49.73	−18 40.4	1.431	2.413	6.9	18.7
9 18	23 42.57	−20 0.0	1.434	2.409	7.5	18.7
9 28	23 35.46	−20 57.0	1.461	2.406	10.2	18.9
10 8	23 29.50	−21 26.3	1.512	2.403	13.6	19.1
10 18	23 25.50	−21 27.0	1.582	2.402	16.7	19.3

377087 2002 VB_{109} 9 17.9 200°.30 8°.6/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 10.58	+27 36.8	2.442	3.069	16.7	21.1
8 19	0 6.30	+28 14.7	2.337	3.065	15.1	20.9
8 29	23 59.88	+28 30.3	2.247	3.059	13.2	20.8
9 8	23 51.76	+28 20.0	2.178	3.053	11.1	20.6
9 18	23 42.58	+27 42.2	2.131	3.046	9.4	20.5
9 28	23 33.26	+26 38.1	2.111	3.038	8.6	20.4
10 8	23 24.74	+25 12.7	2.116	3.029	9.2	20.4
10 18	23 17.84	+23 33.6	2.148	3.020	10.9	20.5

250316 2003 RX_{6} 9 17.9 70°.62 1°.4/19.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 12.39	+ 2 57.9	1.321	2.141	20.4	20.7
8 19	0 8.56	+ 3 1.2	1.261	2.157	16.4	20.5
8 29	0 1.77	+ 2 45.4	1.219	2.173	11.7	20.2
9 8	23 52.73	+ 2 13.3	1.199	2.190	6.4	20.0
9 18	23 42.58	+ 1 30.1	1.202	2.206	1.5	19.7
9 28	23 32.71	+ 0 43.5	1.232	2.223	5.2	20.0
10 8	23 24.44	+ 0 1.7	1.286	2.239	10.2	20.4
10 18	23 18.69	− 0 29.3	1.364	2.256	14.5	20.7

154275 2002 SR_{41} 9 17.9 248°.81 26°.3/21.9 14 C

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 9	0 36.42	+28 4.8	0.822	1.548	36.5	22.1
8 19	0 34.56	+30 50.1	0.718	1.518	34.5	21.7
8 29	0 26.29	+33 23.5	0.620	1.482	31.9	21.3
9 8	0 9.55	+35 27.4	0.532	1.440	28.9	20.8
9 18	23 42.58	+36 27.2	0.455	1.391	26.6	20.3
9 28	23 6.08	+35 32.5	0.394	1.336	27.2	19.9
10 8	22 25.07	+32 0.9	0.350	1.275	32.7	19.7
10 18	21 46.91	+25 54.5	0.322	1.208	42.9	19.7

192483 1998 HS_{2} 9 18.0 237°.67 0°.5/17.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 3.71	− 0 33.4	2.035	2.926	11.3	20.7
8 29	23 58.06	− 1 24.5	1.958	2.913	7.8	20.4
9 8	23 50.80	− 2 26.0	1.906	2.900	4.0	20.2
9 18	23 42.59	− 3 32.8	1.882	2.886	0.6	19.9
9 28	23 34.27	− 4 38.6	1.886	2.872	4.5	20.2
10 8	23 26.74	− 5 36.9	1.919	2.857	8.4	20.4
10 18	23 20.76	− 6 22.9	1.977	2.841	12.0	20.6
10 28	23 16.88	− 6 53.3	2.056	2.825	15.0	20.8

91591 1999 TJ_{3} 9 18.0 99°.99 1°.0/16.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 3.58	− 3 36.4	2.292	3.186	10.1	20.0
8 29	23 57.62	− 4 10.9	2.245	3.203	6.9	19.8
9 8	23 50.41	− 4 50.4	2.225	3.219	3.4	19.6
9 18	23 42.60	− 5 30.6	2.232	3.236	1.1	19.5
9 28	23 34.92	− 6 6.9	2.269	3.252	4.1	19.7
10 8	23 28.11	− 6 35.3	2.335	3.268	7.4	19.9
10 18	23 22.72	− 6 53.3	2.426	3.283	10.3	20.2
10 28	23 19.15	− 6 59.2	2.539	3.299	12.7	20.4

30095 Tarabode 9 18.0 141°.77 2°.6/16.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 8.87	− 5 50.4	1.360	2.271	14.4	18.3
8 29	0 2.01	− 6 36.8	1.311	2.276	9.9	18.0
9 8	23 52.90	− 7 29.5	1.285	2.280	5.1	17.8
9 18	23 42.60	− 8 20.5	1.283	2.285	2.8	17.6
9 28	23 32.45	− 9 1.6	1.309	2.289	6.9	17.9
10 8	23 23.76	− 9 26.7	1.359	2.292	11.6	18.2
10 18	23 17.48	− 9 32.9	1.431	2.296	15.7	18.4
10 28	23 14.17	− 9 19.4	1.522	2.299	19.1	18.7

342360 2008 TF_{182} 9 18.0 311°.38 8°.2/ 9.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 1.86	−18 17.1	1.469	2.393	12.7	19.6
8 29	23 57.27	−20 13.6	1.417	2.377	9.8	19.4
9 8	23 50.57	−22 5.4	1.387	2.361	8.2	19.2
9 18	23 42.60	−23 40.3	1.383	2.346	9.1	19.3
9 28	23 34.55	−24 48.2	1.402	2.331	12.0	19.4
10 8	23 27.66	−25 23.2	1.444	2.316	15.3	19.6
10 18	23 22.88	−25 24.7	1.504	2.302	18.5	19.7
10 28	23 20.84	−24 55.5	1.580	2.288	21.1	19.9

48344 2588 $P–L$ 9 18.0 259°.59 1°.7/16.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
8 19	0 7.96	− 4 32.8	1.602	2.505	13.1	18.9
8 29	0 1.40	− 5 5.4	1.528	2.489	9.1	18.6
9 8	23 52.67	− 5 45.5	1.477	2.472	4.6	18.3
9 18	23 42.61	− 6 27.2	1.452	2.455	1.9	18.1
9 28	23 32.37	− 7 3.7	1.455	2.438	6.0	18.3
10 8	23 23.19	− 7 28.7	1.484	2.420	10.6	18.5
10 18	23 16.07	− 7 38.4	1.537	2.402	14.8	18.8
10 28	23 11.70	− 7 30.8	1.608	2.383	18.3	19.0

242847 2006 EA_{40} 9 18.0 219°.34 1°.1/19.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 5.31	+ 3 21.0	2.051	2.928	11.8	21.9
8 29	23 59.14	+ 2 59.0	1.975	2.920	8.5	21.7
9 8	23 51.36	+ 2 24.9	1.924	2.912	4.7	21.4
9 18	23 42.61	+ 1 42.2	1.900	2.904	1.2	21.2
9 28	23 33.79	+ 0 55.7	1.905	2.895	3.9	21.4
10 8	23 25.79	+ 0 11.2	1.939	2.885	7.8	21.6
10 18	23 19.39	− 0 26.6	1.998	2.875	11.3	21.8
10 28	23 15.12	− 0 53.6	2.079	2.865	14.3	22.0

191089 2002 CS_{291} 9 18.0 300°.16 0°.5/16.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	23 55.05	− 2 38.7	4.056	4.946	6.2	19.5
8 29	23 51.48	− 3 18.7	3.981	4.937	4.2	19.3
9 8	23 47.24	− 4 2.6	3.933	4.928	2.1	19.2
9 18	23 42.61	− 4 47.9	3.916	4.919	0.6	19.0
9 28	23 37.97	− 5 31.9	3.928	4.911	2.6	19.2
10 8	23 33.68	− 6 11.8	3.970	4.902	4.7	19.3
10 18	23 30.08	− 6 45.6	4.040	4.894	6.6	19.5
10 28	23 27.44	− 7 11.3	4.134	4.885	8.3	19.6

358891 2008 GT_{38} 9 18.0 58°.13 3°.2/14.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 2.35	− 9 34.6	1.997	2.908	10.5	20.6
8 29	23 56.95	−10 28.7	1.953	2.917	7.2	20.4
9 8	23 50.14	−11 23.8	1.935	2.927	4.2	20.2
9 18	23 42.61	−12 13.8	1.943	2.938	3.5	20.2
9 28	23 35.21	−12 53.1	1.980	2.948	6.1	20.4
10 8	23 28.76	−13 17.8	2.043	2.958	9.3	20.6
10 18	23 23.89	−13 26.1	2.129	2.969	12.3	20.8
10 28	23 21.02	−13 17.7	2.236	2.979	14.7	21.0

324404 2006 SE_{155} 9 18.0 33°.00 0°.3/17.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 1.75	+ 2 14.6	1.258	2.166	15.6	19.6
8 29	23 57.18	+ 0 53.4	1.208	2.170	10.9	19.4
9 8	23 50.49	− 0 46.5	1.179	2.175	5.5	19.1
9 18	23 42.62	− 2 35.9	1.175	2.179	0.3	18.7
9 28	23 34.84	− 4 22.6	1.196	2.185	5.8	19.1
10 8	23 28.40	− 5 55.1	1.242	2.190	10.9	19.5
10 18	23 24.20	− 7 5.6	1.310	2.196	15.4	19.7
10 28	23 22.79	− 7 50.4	1.397	2.203	19.1	20.0

329204 2012 DL_{49} 9 18.0 181°.19 3°.6/12.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 1.95	−14 59.3	3.022	3.923	7.7	21.6
8 29	23 56.37	−15 51.1	2.969	3.924	5.5	21.5
9 8	23 49.77	−16 40.6	2.943	3.924	3.9	21.4
9 18	23 42.62	−17 23.4	2.947	3.924	3.9	21.4
9 28	23 35.51	−17 55.9	2.980	3.924	5.6	21.5
10 8	23 29.03	−18 15.5	3.040	3.923	7.8	21.6
10 18	23 23.64	−18 21.2	3.126	3.921	9.8	21.8
10 28	23 19.72	−18 12.9	3.233	3.919	11.6	21.9

234699 2002 GR_{144} 9 18.0 148°.92 7°.2/10.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 5.96	−20 59.1	1.929	2.834	11.1	20.3
8 29	23 59.55	−22 20.3	1.892	2.840	8.6	20.1
9 8	23 51.50	−23 32.3	1.881	2.845	7.2	20.1
9 18	23 42.62	−24 27.5	1.896	2.850	7.8	20.1
9 28	23 33.90	−25 0.1	1.938	2.855	9.8	20.3
10 8	23 26.30	−25 7.8	2.003	2.860	12.3	20.4
10 18	23 20.52	−24 51.3	2.090	2.864	14.7	20.6
10 28	23 17.05	−24 13.4	2.195	2.867	16.8	20.8

449490 2014 FD_{47} 9 18.0 64°.27 3°.5/15.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	0 6.35	−10 11.1	1.741	2.650	11.9	20.5
8 29	23 59.85	−10 46.0	1.697	2.660	8.2	20.3
9 8	23 51.66	−11 20.9	1.677	2.670	4.7	20.2
9 18	23 42.63	−11 49.8	1.684	2.680	3.7	20.1
9 28	23 33.80	−12 7.4	1.719	2.690	6.6	20.3
10 8	23 26.15	−12 10.2	1.779	2.700	10.2	20.6
10 18	23 20.41	−11 57.0	1.863	2.710	13.4	20.8
10 28	23 17.04	−11 28.2	1.967	2.721	16.1	21.0

436124 2009 TZ_{28} 9 18.0 233°.85 0°.2/18.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
8 19	23 55.07	+ 0 51.6	4.378	5.256	6.0	21.8
8 29	23 51.45	+ 0 21.0	4.305	5.253	4.2	21.6
9 8	23 47.21	− 0 14.2	4.260	5.251	2.2	21.5
9 18	23 42.63	− 0 52.2	4.244	5.249	0.2	21.3
9 28	23 38.05	− 1 30.6	4.258	5.246	2.0	21.5
10 8	23 33.81	− 2 7.1	4.303	5.244	4.0	21.6
10 18	23 30.20	− 2 39.3	4.375	5.241	5.9	21.8
10 28	23 27.49	− 3 5.7	4.473	5.239	7.5	21.9