343418 2010 DV_1 8 30.9 208°.94 5°.9/ 8.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 58.50	+16 18.2	2.463	3.220	13.8	21.2
8 9	22 53.40	+15 35.3	2.366	3.213	11.6	21.0
8 19	22 46.83	+14 27.8	2.291	3.206	9.2	20.8
8 29	22 39.31	+12 56.3	2.241	3.198	6.9	20.7
9 8	22 31.55	+11 4.6	2.219	3.189	5.9	20.6
9 18	22 24.29	+ 8 59.0	2.227	3.180	6.9	20.7
9 28	22 18.22	+ 6 47.8	2.265	3.170	9.2	20.8
10 8	22 13.88	+ 4 39.3	2.329	3.159	11.7	20.9

437786 2015 CB_{24} 8 30.9 151°.22 1°.7/29.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.06	−10 30.9	1.761	2.652	12.9	21.4
8 9	22 56.24	−11 23.6	1.703	2.658	9.2	21.2
8 19	22 48.49	−12 24.1	1.669	2.664	5.0	21.0
8 29	22 39.59	−13 25.8	1.661	2.669	1.8	20.8
9 8	22 30.54	−14 21.9	1.681	2.673	4.6	21.0
9 18	22 22.35	−15 6.6	1.727	2.678	8.7	21.2
9 28	22 15.92	−15 36.3	1.799	2.682	12.4	21.5
10 8	22 11.82	−15 49.5	1.891	2.685	15.5	21.7

88970 2001 TQ_{58} 8 30.9 336°.09 2°.8/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.85	+ 1 31.6	1.815	2.676	14.0	19.6
8 9	22 52.54	+ 1 10.9	1.741	2.672	10.7	19.4
8 19	22 46.46	+ 0 32.7	1.689	2.668	7.0	19.2
8 29	22 39.25	− 0 20.5	1.662	2.664	3.5	19.0
9 8	22 31.80	− 1 23.3	1.662	2.660	3.7	19.0
9 18	22 25.00	− 2 29.4	1.688	2.657	7.2	19.2
9 28	22 19.72	− 3 31.9	1.740	2.654	10.9	19.4
10 8	22 16.54	− 4 25.4	1.814	2.651	14.3	19.6

89714 2001 YA_{114} 8 30.9 188°.78 3°.2/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.14	+ 2 43.7	2.308	3.147	12.2	19.5
8 9	22 53.84	+ 2 48.2	2.231	3.147	9.4	19.4
8 19	22 47.06	+ 2 39.1	2.178	3.147	6.4	19.2
8 29	22 39.35	+ 2 17.5	2.151	3.146	3.8	19.0
9 8	22 31.45	+ 1 46.6	2.152	3.145	3.7	19.0
9 18	22 24.11	+ 1 10.2	2.181	3.145	6.2	19.2
9 28	22 18.02	+ 0 32.9	2.237	3.144	9.2	19.4
10 8	22 13.71	− 0 1.2	2.316	3.143	11.9	19.5

42233 2001 EL_2 8 30.9 292°.63 5°.5/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.34	−24 6.5	2.183	3.080	10.5	19.0
8 9	22 54.84	−25 0.4	2.124	3.074	8.0	18.8
8 19	22 47.66	−25 50.2	2.090	3.068	5.9	18.7
8 29	22 39.46	−26 29.6	2.083	3.062	5.6	18.7
9 8	22 31.11	−26 53.5	2.102	3.056	7.3	18.8
9 18	22 23.48	−26 59.1	2.147	3.050	9.9	18.9
9 28	22 17.37	−26 45.8	2.216	3.044	12.5	19.1
10 8	22 13.29	−26 14.9	2.305	3.038	14.7	19.2

367890 2011 YH_{12} 8 30.9 137°.21 2°.9/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.04	−16 53.5	2.557	3.448	9.4	21.2
8 9	22 53.60	−17 40.7	2.502	3.456	6.7	21.1
8 19	22 46.83	−18 28.5	2.474	3.464	4.0	20.9
8 29	22 39.31	−19 12.4	2.473	3.472	2.9	20.9
9 8	22 31.72	−19 47.9	2.501	3.479	4.7	21.0
9 18	22 24.73	−20 12.1	2.558	3.487	7.4	21.2
9 28	22 18.97	−20 23.1	2.640	3.493	9.9	21.4
10 8	22 14.87	−20 20.9	2.744	3.500	12.1	21.5

66157 1998 UJ_{26} 8 30.9 302°.63 1°.2/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.31	− 9 26.6	2.115	3.005	11.1	19.4
8 9	22 52.03	−10 16.2	2.034	2.989	7.9	19.2
8 19	22 46.14	−11 14.3	1.978	2.973	4.4	18.9
8 29	22 39.22	−12 16.0	1.948	2.957	1.2	18.7
9 8	22 32.01	−13 15.5	1.947	2.941	3.9	18.8
9 18	22 25.33	−14 7.4	1.972	2.925	7.6	19.1
9 28	22 19.95	−14 47.3	2.023	2.910	11.0	19.2
10 8	22 16.45	−15 12.6	2.096	2.895	14.0	19.4

38511 1999 TU_{230} 8 30.9 322°.03 0°.9/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.31	− 7 26.9	1.870	2.762	12.2	18.4
8 9	22 51.45	− 8 29.6	1.795	2.750	8.8	18.2
8 19	22 45.87	− 9 44.2	1.743	2.739	4.8	17.9
8 29	22 39.17	−11 4.8	1.718	2.728	1.0	17.6
9 8	22 32.20	−12 24.3	1.721	2.717	4.0	17.8
9 18	22 25.83	−13 35.5	1.750	2.706	8.1	18.0
9 28	22 20.89	−14 33.0	1.804	2.697	11.8	18.3
10 8	22 18.00	−15 13.3	1.879	2.687	15.0	18.5

26893 1995 FH_{15} 8 30.9 278°.80 1°.3/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.24	− 9 28.5	1.909	2.801	12.1	18.4
8 9	22 53.51	−10 19.0	1.837	2.792	8.6	18.1
8 19	22 47.00	−11 18.5	1.789	2.784	4.7	17.9
8 29	22 39.36	−12 21.3	1.767	2.776	1.3	17.6
9 8	22 31.47	−13 21.0	1.773	2.767	4.2	17.8
9 18	22 24.23	−14 11.9	1.805	2.759	8.2	18.1
9 28	22 18.48	−14 49.3	1.863	2.750	11.8	18.3
10 8	22 14.83	−15 11.2	1.942	2.742	14.9	18.5

97852 2000 QH_6 8 30.9 337°.39 2°.6/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 59.81	− 3 39.5	1.027	1.932	18.8	18.4
8 9	22 55.78	− 3 18.9	0.962	1.919	14.1	18.1
8 19	22 48.77	− 3 16.0	0.915	1.907	8.7	17.8
8 29	22 39.70	− 3 28.6	0.889	1.896	3.4	17.5
9 8	22 30.09	− 3 51.0	0.885	1.886	5.0	17.5
9 18	22 21.59	− 4 15.8	0.903	1.878	10.7	17.8
9 28	22 15.69	− 4 35.6	0.941	1.870	16.2	18.1
10 8	22 13.27	− 4 44.5	0.996	1.865	20.9	18.4

38155 1999 JJ_{69} 8 30.9 17°.28 3°.1/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 53.15	− 9 32.9	0.836	1.771	18.7	17.1
8 9	22 50.98	−10 59.8	0.802	1.779	13.2	16.8
8 19	22 45.93	−12 42.3	0.787	1.788	7.2	16.6
8 29	22 39.18	−14 26.5	0.791	1.799	3.1	16.4
9 8	22 32.36	−15 57.2	0.817	1.812	7.3	16.7
9 18	22 26.98	−17 3.1	0.863	1.827	12.9	17.0
9 28	22 24.27	−17 38.5	0.927	1.843	17.8	17.4
10 8	22 24.76	−17 43.6	1.008	1.861	21.9	17.7

514042 2014 ME_{26} 8 30.9 43°.92 6°.2/ 5.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.46	+ 8 41.7	1.952	2.767	15.0	20.8
8 9	22 55.64	+ 9 27.1	1.892	2.782	12.2	20.6
8 19	22 48.10	+ 9 53.4	1.854	2.797	9.3	20.5
8 29	22 39.55	+10 0.1	1.841	2.813	6.9	20.4
9 8	22 30.86	+ 9 49.2	1.853	2.829	6.3	20.4
9 18	22 22.95	+ 9 24.3	1.892	2.845	7.9	20.5
9 28	22 16.61	+ 8 51.1	1.957	2.862	10.4	20.7
10 8	22 12.37	+ 8 15.5	2.044	2.879	13.0	20.9

480519 2015 MZ_7 8 31.0 359°.39 2°.8/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.91	+ 0 57.3	1.783	2.646	14.1	21.3
8 9	22 53.31	+ 0 41.9	1.713	2.645	10.8	21.1
8 19	22 46.90	+ 0 9.4	1.665	2.645	7.0	20.8
8 29	22 39.36	− 0 37.3	1.643	2.645	3.4	20.6
9 8	22 31.59	− 1 33.1	1.646	2.645	3.7	20.6
9 18	22 24.54	− 2 31.8	1.677	2.645	7.3	20.9
9 28	22 19.05	− 3 27.1	1.732	2.646	11.0	21.1
10 8	22 15.72	− 4 13.5	1.810	2.646	14.3	21.3

142036 2002 QH_{11} 8 31.0 74°.48 0°.9/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.76	− 2 58.3	1.367	2.254	16.2	20.1
8 9	22 55.60	− 3 46.0	1.319	2.268	11.8	19.9
8 19	22 48.23	− 4 51.5	1.291	2.282	6.9	19.7
8 29	22 39.57	− 6 8.0	1.288	2.296	1.7	19.4
9 8	22 30.84	− 7 26.7	1.310	2.311	3.9	19.6
9 18	22 23.20	− 8 38.9	1.359	2.325	8.9	19.9
9 28	22 17.65	− 9 37.5	1.430	2.339	13.2	20.2
10 8	22 14.76	−10 18.7	1.522	2.354	16.8	20.5

43213 2000 AC_{132} 8 31.0 329°.57 2°.5/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.97	+ 0 7.3	2.175	3.031	12.2	18.8
8 9	22 53.10	+ 0 4.2	2.099	3.028	9.3	18.6
8 19	22 46.70	− 0 11.9	2.047	3.025	6.0	18.4
8 29	22 39.34	− 0 38.9	2.021	3.022	3.0	18.2
9 8	22 31.78	− 1 13.3	2.022	3.020	3.3	18.3
9 18	22 24.79	− 1 50.9	2.051	3.017	6.4	18.4
9 28	22 19.10	− 2 27.0	2.106	3.015	9.6	18.6
10 8	22 15.24	− 2 57.5	2.185	3.013	12.5	18.8

521742 2015 RS_{272} 8 31.0 283°.18 1°.1/29.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.90	− 9 37.8	2.267	3.152	10.7	22.0
8 9	22 53.14	−10 19.4	2.177	3.129	7.6	21.8
8 19	22 46.79	−11 8.9	2.112	3.106	4.2	21.6
8 29	22 39.38	−12 1.7	2.075	3.083	1.1	21.3
9 8	22 31.64	−12 52.8	2.065	3.060	3.7	21.5
9 18	22 24.36	−13 37.2	2.084	3.036	7.3	21.6
9 28	22 18.31	−14 11.0	2.129	3.013	10.7	21.8
10 8	22 14.08	−14 31.7	2.195	2.989	13.6	22.0

445840 2012 DE_{25} 8 31.0 215°.95 4°.1/26.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.96	−23 8.0	2.908	3.794	8.5	21.7
8 9	22 54.95	−23 47.9	2.840	3.786	6.4	21.5
8 19	22 47.62	−24 24.6	2.800	3.778	4.6	21.4
8 29	22 39.50	−24 53.9	2.787	3.769	4.2	21.4
9 8	22 31.25	−25 12.2	2.804	3.760	5.6	21.5
9 18	22 23.53	−25 17.2	2.848	3.751	7.7	21.6
9 28	22 16.96	−25 8.1	2.918	3.741	9.9	21.7
10 8	22 12.00	−24 45.6	3.010	3.731	11.8	21.9

507283 2011 GU_{40} 8 31.0 210°.85 5°.0/26.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.79	−19 59.5	1.903	2.801	11.8	21.7
8 9	22 56.84	−21 14.4	1.841	2.796	8.6	21.5
8 19	22 48.91	−22 29.2	1.804	2.790	5.8	21.4
8 29	22 39.73	−23 35.9	1.794	2.783	5.2	21.3
9 8	22 30.32	−24 27.4	1.811	2.776	7.4	21.4
9 18	22 21.68	−24 59.1	1.854	2.769	10.5	21.6
9 28	22 14.78	−25 9.2	1.920	2.760	13.6	21.8
10 8	22 10.21	−24 58.8	2.006	2.752	16.3	22.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
103800 2000 DO_{13}			8 31.0	54°.14	0°.7/31.6	18
	h m	° ′			°	m
7 30	23 0.81	− 4 29.2	1.359	2.250	16.0	20.0
8 9	22 55.68	− 5 0.6	1.309	2.261	11.6	19.8
8 19	22 48.31	− 5 47.4	1.280	2.272	6.7	19.5
8 29	22 39.62	− 6 43.9	1.275	2.284	1.5	19.2
9 8	22 30.83	− 7 42.3	1.295	2.296	4.0	19.4
9 18	22 23.14	− 8 35.1	1.341	2.308	8.9	19.8
9 28	22 17.55	− 9 16.1	1.410	2.320	13.3	20.0
10 8	22 14.65	− 9 41.7	1.498	2.332	16.9	20.3
513654 2011 SA_{146}			8 31.0	320°.70	2°.2/ 1.9	18
7 30	22 57.99	− 0 41.0	1.736	2.606	14.1	21.1
8 9	22 53.47	− 0 58.2	1.661	2.599	10.6	20.8
8 19	22 47.06	− 1 31.7	1.608	2.592	6.7	20.6
8 29	22 39.44	− 2 18.4	1.580	2.585	2.9	20.4
9 8	22 31.52	− 3 13.0	1.579	2.579	3.5	20.4
9 18	22 24.29	− 4 9.3	1.604	2.573	7.6	20.6
9 28	22 18.66	− 5 0.7	1.654	2.567	11.5	20.8
10 8	22 15.25	− 5 42.3	1.726	2.561	15.0	21.1
242881 2006 HO_{120}			8 31.0	207°.73	4°.4/ 5.0	18
7 30	22 59.62	+ 8 7.8	2.396	3.205	12.7	22.2
8 9	22 54.25	+ 7 58.0	2.308	3.199	10.2	22.0
8 19	22 47.36	+ 7 30.5	2.242	3.192	7.5	21.8
8 29	22 39.49	+ 6 46.2	2.202	3.184	5.1	21.7
9 8	22 31.36	+ 5 48.2	2.190	3.176	4.6	21.6
9 18	22 23.72	+ 4 41.2	2.207	3.167	6.5	21.7
9 28	22 17.29	+ 3 31.0	2.251	3.157	9.2	21.9
10 8	22 12.61	+ 2 23.4	2.320	3.146	11.9	22.0
54257 2000 JK_{30}			8 31.0	309°.50	4°.4/ 3.4	18
7 30	22 59.15	+ 3 12.9	1.462	2.326	16.7	18.3
8 9	22 54.67	+ 3 14.6	1.386	2.315	13.0	18.1
8 19	22 47.91	+ 2 54.4	1.329	2.304	8.9	17.8
8 29	22 39.61	+ 2 13.7	1.296	2.294	5.2	17.6
9 8	22 30.88	+ 1 17.4	1.287	2.284	5.0	17.6
9 18	22 22.92	+ 0 12.7	1.304	2.274	8.7	17.8
9 28	22 16.86	− 0 51.8	1.344	2.265	13.0	18.0
10 8	22 13.45	− 1 48.4	1.404	2.256	16.9	18.2
328213 2008 EF_{111}			8 31.0	73°.35	5°.0/27.4	17
7 30	23 4.14	−17 59.1	1.393	2.302	14.5	20.3
8 9	22 58.03	−19 1.6	1.355	2.316	10.4	20.1
8 19	22 49.59	−20 4.0	1.338	2.330	6.6	20.0
8 29	22 39.86	−20 57.0	1.347	2.344	5.1	19.9
9 8	22 30.16	−21 33.1	1.380	2.359	7.6	20.1
9 18	22 21.73	−21 48.0	1.438	2.373	11.5	20.4
9 28	22 15.59	−21 40.8	1.518	2.387	15.1	20.6
10 8	22 12.27	−21 13.7	1.617	2.401	18.1	20.9
141937 2002 PS_{95}			8 31.0	325°.83	1°.8/ 1.1	18
7 30	22 57.66	− 3 41.9	1.122	2.026	17.7	19.0
8 9	22 54.19	− 3 45.5	1.046	2.003	13.3	18.7
8 19	22 47.92	− 4 8.2	0.989	1.982	8.1	18.3
8 29	22 39.66	− 4 46.6	0.954	1.961	2.6	17.9
9 8	22 30.72	− 5 33.8	0.940	1.942	4.6	18.0
9 18	22 22.65	− 6 21.1	0.950	1.924	10.5	18.3
9 28	22 16.92	− 7 0.0	0.980	1.907	16.0	18.5
10 8	22 14.47	− 7 23.9	1.027	1.891	20.8	18.8
41877 2000 WE_{103}			8 31.0	263°.31	3°.4/27.5	18
7 30	22 59.89	−14 30.2	1.927	2.825	11.7	19.0
8 9	22 54.86	−15 49.6	1.846	2.804	8.4	18.7
8 19	22 47.90	−17 15.6	1.790	2.784	5.0	18.5
8 29	22 39.62	−18 41.0	1.762	2.763	3.5	18.4
9 8	22 30.93	−19 57.6	1.761	2.741	6.1	18.5
9 18	22 22.81	−20 58.8	1.786	2.719	9.7	18.7
9 28	22 16.22	−21 40.4	1.836	2.697	13.3	18.8
10 8	22 11.84	−22 1.2	1.906	2.674	16.3	19.0
172567 2003 UX_{166}			8 31.0	114°.41	0°.7/31.7	18
7 30	23 3.35	− 3 47.1	1.599	2.475	14.8	19.9
8 9	22 57.23	− 4 26.9	1.547	2.492	10.8	19.7
8 19	22 49.09	− 5 21.0	1.518	2.508	6.2	19.5
8 29	22 39.80	− 6 23.9	1.514	2.523	1.5	19.2
9 8	22 30.43	− 7 28.3	1.538	2.538	3.6	19.4
9 18	22 22.08	− 8 27.5	1.589	2.552	8.1	19.7
9 28	22 15.65	− 9 15.6	1.665	2.566	12.1	20.0
10 8	22 11.70	− 9 49.4	1.762	2.580	15.5	20.2
241456 2008 YD_{119}			8 31.0	40°.72	3°.0/28.2	18
7 30	22 58.54	−13 13.2	1.657	2.561	12.9	20.2
8 9	22 53.85	−14 21.7	1.605	2.567	9.1	20.0
8 19	22 47.24	−15 36.1	1.577	2.573	5.2	19.8
8 29	22 39.49	−16 48.4	1.575	2.579	3.0	19.7
9 8	22 31.61	−17 51.1	1.599	2.586	5.7	19.8
9 18	22 24.61	−18 38.2	1.649	2.593	9.6	20.1
9 28	22 19.36	−19 6.3	1.723	2.600	13.1	20.3
10 8	22 16.42	−19 14.8	1.816	2.608	16.1	20.5

2020	α_{2000}	δ_{2000}	Δ	r	β	V
109613 2001 QL_{289}			8 31.0	297°.61	1°.1/31.8	18
	h m	° ′			°	m
7 30	23 0.33	− 4 3.0	1.478	2.364	15.2	20.1
8 9	22 55.49	− 4 23.7	1.403	2.352	11.3	19.8
8 19	22 48.36	− 4 59.9	1.351	2.341	6.7	19.5
8 29	22 39.71	− 5 47.6	1.322	2.330	1.8	19.2
9 8	22 30.66	− 6 40.1	1.319	2.320	3.9	19.3
9 18	22 22.42	− 7 30.3	1.342	2.309	8.9	19.6
9 28	22 16.09	− 8 11.6	1.388	2.299	13.4	19.8
10 8	22 12.43	− 8 39.4	1.454	2.288	17.3	20.0
151437 2002 GB_{7}			8 31.0	39°.69	7°.1/22.8	18
7 30	22 58.60	−27 11.6	2.019	2.920	11.1	18.9
8 9	22 53.75	−28 44.4	1.979	2.925	8.7	18.8
8 19	22 47.13	−30 10.2	1.964	2.930	7.2	18.7
8 29	22 39.48	−31 20.8	1.975	2.936	7.4	18.8
9 8	22 31.72	−32 10.4	2.012	2.941	9.2	18.9
9 18	22 24.76	−32 35.8	2.072	2.947	11.5	19.0
9 28	22 19.42	−32 36.8	2.155	2.953	13.8	19.2
10 8	22 16.22	−32 15.8	2.255	2.959	15.8	19.4
212692 Lazauskaite			8 31.0	98°.02	4°.7/25.8	18
7 30	22 59.02	−21 28.3	2.220	3.119	10.3	20.2
8 9	22 53.86	−22 31.9	2.169	3.122	7.6	20.0
8 19	22 47.13	−23 33.3	2.142	3.125	5.3	19.9
8 29	22 39.48	−24 26.4	2.142	3.128	4.9	19.8
9 8	22 31.72	−25 5.8	2.170	3.131	6.7	20.0
9 18	22 24.66	−25 28.2	2.224	3.133	9.3	20.1
9 28	22 19.02	−25 32.5	2.301	3.136	11.8	20.3
10 8	22 15.30	−25 19.3	2.399	3.139	14.1	20.5
329527 2002 TK_{12}			8 31.0	312°.53	5°.6/27.1	17
7 30	23 2.79	−18 58.6	1.338	2.250	14.7	19.9
8 9	22 57.49	−19 56.4	1.278	2.240	10.8	19.7
8 19	22 49.55	−20 55.0	1.239	2.230	7.0	19.4
8 29	22 39.92	−21 44.7	1.224	2.221	5.7	19.3
9 8	22 29.97	−22 16.8	1.234	2.212	8.4	19.5
9 18	22 21.11	−22 25.9	1.267	2.203	12.6	19.7
9 28	22 14.57	−22 10.5	1.321	2.194	16.6	19.9
10 8	22 11.09	−21 32.5	1.393	2.186	20.0	20.1
263268 2008 BW_{24}			8 31.0	93°.62	1°.8/29.5	17
7 30	23 1.48	− 9 9.1	1.462	2.359	14.7	20.5
8 9	22 56.08	−10 18.7	1.414	2.372	10.4	20.3
8 19	22 48.53	−11 38.7	1.389	2.385	5.7	20.1
8 29	22 39.73	−13 1.0	1.390	2.398	1.8	19.8
9 8	22 30.85	−14 16.4	1.417	2.411	5.1	20.1
9 18	22 23.02	−15 17.5	1.469	2.423	9.6	20.4
9 28	22 17.22	−15 59.7	1.546	2.435	13.6	20.7
10 8	22 14.01	−16 21.5	1.642	2.447	16.9	20.9
41783 2000 VS_{55}			8 31.0	205°.28	2°.6/29.1	18
7 30	23 5.14	−13 18.7	1.589	2.485	13.8	18.5
8 9	22 58.76	−13 58.3	1.525	2.482	9.9	18.2
8 19	22 50.10	−14 43.3	1.484	2.479	5.6	18.0
8 29	22 40.01	−15 26.9	1.469	2.475	2.6	17.8
9 8	22 29.68	−16 2.1	1.481	2.471	5.6	18.0
9 18	22 20.30	−16 23.9	1.518	2.466	9.9	18.2
9 28	22 12.95	−16 29.2	1.580	2.461	13.9	18.4
10 8	22 8.29	−16 17.8	1.661	2.456	17.2	18.7
403414 2009 SU_{72}			8 31.0	357°.29	0°.7/30.4	18
7 30	22 59.99	− 9 58.1	2.040	2.926	11.6	20.5
8 9	22 54.62	−10 10.7	1.973	2.925	8.3	20.3
8 19	22 47.59	−10 29.2	1.931	2.925	4.6	20.1
8 29	22 39.57	−10 49.9	1.915	2.924	0.9	19.8
9 8	22 31.40	−11 8.5	1.927	2.924	3.5	20.0
9 18	22 23.92	−11 21.4	1.966	2.924	7.3	20.2
9 28	22 17.91	−11 25.8	2.031	2.924	10.7	20.4
10 8	22 13.91	−11 20.1	2.118	2.924	13.6	20.6
71582 2000 DD_{61}			8 31.0	295°.38	0°.3/30.7	18
7 30	22 56.24	− 6 49.5	2.222	3.103	11.0	18.9
8 9	22 51.94	− 7 33.2	2.140	3.089	7.9	18.7
8 19	22 46.13	− 8 26.7	2.082	3.075	4.4	18.4
8 29	22 39.34	− 9 25.9	2.052	3.061	0.7	18.1
9 8	22 32.29	−10 25.4	2.049	3.047	3.2	18.3
9 18	22 25.74	−11 20.0	2.075	3.033	6.9	18.5
9 28	22 20.41	−12 5.2	2.126	3.019	10.3	18.7
10 8	22 16.86	−12 38.0	2.200	3.006	13.2	18.9
147038 2002 RW_{54}			8 31.0	30°.03	4°.0/ 2.6	18
7 30	23 1.90	+ 0 30.8	1.217	2.098	18.2	19.3
8 9	22 56.75	+ 0 48.6	1.164	2.104	13.9	19.0
8 19	22 49.07	+ 0 45.5	1.130	2.112	9.1	18.8
8 29	22 39.85	+ 0 23.7	1.118	2.120	4.8	18.6
9 8	22 30.44	− 0 11.3	1.130	2.129	5.0	18.6
9 18	22 22.20	− 0 52.2	1.166	2.138	9.3	18.9
9 28	22 16.29	− 1 31.4	1.225	2.148	13.8	19.2
10 8	22 13.36	− 2 2.3	1.303	2.158	17.7	19.5

195230 2002 ER_4 8 31.0 299°.08 0°.5/30.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 52.57	−10 2.1	4.216	5.091	6.4	19.9
8 9	22 48.69	−10 20.0	4.137	5.085	4.5	19.8
8 19	22 44.05	−10 40.9	4.085	5.078	2.5	19.7
8 29	22 38.97	−11 3.0	4.063	5.072	0.5	19.5
9 8	22 33.80	−11 24.0	4.070	5.065	2.0	19.6
9 18	22 28.91	−11 42.2	4.106	5.058	4.0	19.8
9 28	22 24.64	−11 55.8	4.171	5.052	6.0	19.9
10 8	22 21.28	−12 3.7	4.260	5.046	7.6	20.0

257044 2008 FL_{67} 8 31.0 209°.79 4°.2/ 5.2 18

7 30	22 56.25	+ 8 7.5	2.298	3.116	12.9	20.9
8 9	22 51.86	+ 7 43.6	2.217	3.114	10.3	20.8
8 19	22 46.04	+ 7 0.8	2.159	3.112	7.5	20.6
8 29	22 39.32	+ 6 0.6	2.126	3.110	5.0	20.4
9 8	22 32.41	+ 4 47.0	2.120	3.108	4.4	20.4
9 18	22 26.00	+ 3 25.6	2.142	3.106	6.3	20.5
9 28	22 20.80	+ 2 2.7	2.192	3.104	9.1	20.7
10 8	22 17.31	+ 0 44.6	2.266	3.102	11.9	20.9

254154 2004 PB_{87} 8 31.0 280°.76 0°.1/31.2 18

7 30	22 56.25	− 4 57.4	2.166	3.043	11.4	20.3
8 9	22 51.96	− 5 49.0	2.087	3.033	8.3	20.1
8 19	22 46.14	− 6 52.4	2.032	3.024	4.7	19.8
8 29	22 39.35	− 8 3.0	2.005	3.014	0.9	19.5
9 8	22 32.31	− 9 15.3	2.006	3.005	3.1	19.7
9 18	22 25.79	−10 23.1	2.035	2.996	6.9	19.9
9 28	22 20.54	−11 21.5	2.090	2.986	10.3	20.1
10 8	22 17.09	−12 6.8	2.168	2.977	13.3	20.3

331886 2004 EF_{23} 8 31.0 97°.78 1°.1/ 1.1 17

7 30	23 0.59	− 1 29.8	1.623	2.496	14.8	20.9
8 9	22 55.24	− 2 30.9	1.572	2.514	10.8	20.7
8 19	22 47.99	− 3 49.1	1.544	2.532	6.4	20.4
8 29	22 39.66	− 5 18.0	1.542	2.550	1.8	20.2
9 8	22 31.25	− 6 49.4	1.567	2.567	3.5	20.4
9 18	22 23.79	− 8 15.0	1.619	2.584	7.9	20.7
9 28	22 18.12	− 9 27.9	1.696	2.600	11.8	20.9
10 8	22 14.79	−10 24.1	1.796	2.616	15.1	21.2

191884 2004 XC_{145} 8 31.0 288°.39 3°.7/ 3.3 18

7 30	22 58.13	+ 3 28.9	1.721	2.575	15.0	19.8
8 9	22 53.76	+ 3 10.6	1.630	2.555	11.7	19.5
8 19	22 47.37	+ 2 31.4	1.561	2.535	8.0	19.2
8 29	22 39.59	+ 1 32.8	1.516	2.515	4.5	19.0
9 8	22 31.34	+ 0 20.1	1.498	2.495	4.3	18.9
9 18	22 23.64	− 0 59.8	1.506	2.475	7.9	19.1
9 28	22 17.53	− 2 18.6	1.539	2.455	12.0	19.3
10 8	22 13.73	− 3 28.7	1.593	2.435	15.7	19.5

351147 2003 YY_{19} 8 31.0 229°.56 2°.2/ 2.1 18

7 30	23 0.72	− 0 34.9	2.258	3.110	12.0	21.3
8 9	22 55.12	− 0 40.5	2.173	3.100	9.0	21.1
8 19	22 47.91	− 0 58.4	2.112	3.091	5.8	20.8
8 29	22 39.66	− 1 26.5	2.077	3.080	2.7	20.6
9 8	22 31.14	− 2 1.4	2.071	3.069	3.1	20.6
9 18	22 23.14	− 2 38.8	2.094	3.058	6.4	20.8
9 28	22 16.43	− 3 14.4	2.143	3.047	9.7	21.0
10 8	22 11.58	− 3 44.1	2.216	3.035	12.7	21.2

444203 2005 SV_{235} 8 31.0 9°.29 6°.0/ 6.3 15

7 30	22 55.59	+10 21.4	1.784	2.606	15.9	21.2
8 9	22 51.72	+10 17.7	1.713	2.607	13.0	21.0
8 19	22 46.08	+ 9 49.6	1.662	2.609	9.8	20.8
8 29	22 39.35	+ 8 58.0	1.634	2.611	7.0	20.7
9 8	22 32.38	+ 7 46.9	1.631	2.614	6.1	20.6
9 18	22 26.10	+ 6 23.1	1.654	2.618	7.8	20.7
9 28	22 21.35	+ 4 54.8	1.702	2.622	10.8	20.9
10 8	22 18.69	+ 3 30.3	1.773	2.626	13.8	21.1

224212 2005 SJ_{23} 8 31.0 323°.24 0°.0/30.9 18

7 30	22 57.80	− 6 6.1	1.245	2.149	16.2	19.7
8 9	22 54.06	− 6 35.6	1.171	2.130	11.9	19.4
8 19	22 47.75	− 7 21.8	1.117	2.112	6.8	19.1
8 29	22 39.67	− 8 19.2	1.085	2.095	1.2	18.7
9 8	22 31.05	− 9 19.4	1.078	2.078	4.6	18.9
9 18	22 23.29	−10 13.6	1.094	2.062	10.2	19.1
9 28	22 17.67	−10 54.1	1.131	2.047	15.3	19.4
10 8	22 15.05	−11 16.3	1.187	2.033	19.7	19.6

92757 2000 QM_{118} 8 31.0 29°.16 4°.1/ 3.4 16

7 30	22 57.33	+ 3 14.8	1.241	2.117	18.2	18.4
8 9	22 53.37	+ 2 58.7	1.191	2.128	14.0	18.2
8 19	22 47.13	+ 2 17.2	1.161	2.140	9.3	18.0
8 29	22 39.52	+ 1 14.1	1.152	2.152	5.1	17.8
9 8	22 31.78	− 0 2.6	1.167	2.166	4.8	17.8
9 18	22 25.13	− 1 23.2	1.207	2.180	8.8	18.1
9 28	22 20.60	− 2 38.1	1.269	2.196	13.1	18.4
10 8	22 18.77	− 3 39.7	1.352	2.212	16.9	18.7

481732 2008 FD_{107} 8 31.0 218°.04 5°.6/25.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 2.49	−25 18.0	2.257	3.149	10.4	21.6
8 9	22 56.37	−26 7.3	2.200	3.146	8.0	21.5
8 19	22 48.56	−26 51.2	2.169	3.143	6.0	21.3
8 29	22 39.76	−27 23.8	2.164	3.139	5.8	21.3
9 8	22 30.84	−27 40.5	2.186	3.136	7.4	21.4
9 18	22 22.69	−27 38.8	2.235	3.132	9.8	21.6
9 28	22 16.07	−27 18.5	2.307	3.128	12.3	21.7
10 8	22 11.51	−26 41.5	2.399	3.124	14.4	21.9

154806 2004 PH_{94} 8 31.0 280°.48 0°.2/30.8 18

7 30	22 56.31	− 5 51.4	2.179	3.058	11.3	20.3
8 9	22 52.02	− 6 45.3	2.098	3.046	8.1	20.1
8 19	22 46.19	− 7 50.3	2.042	3.034	4.6	19.9
8 29	22 39.37	− 9 2.1	2.013	3.022	0.7	19.5
9 8	22 32.28	−10 14.6	2.012	3.010	3.2	19.7
9 18	22 25.71	−11 22.1	2.039	2.998	7.0	19.9
9 28	22 20.38	−12 19.4	2.092	2.985	10.4	20.1
10 8	22 16.86	−13 3.1	2.168	2.973	13.4	20.3

449448 2013 JX_{22} 8 31.0 57°.33 7°.6/23.2 18

7 30	23 2.91	−31 50.5	2.200	3.086	10.9	20.4
8 9	22 56.68	−32 47.5	2.161	3.091	9.0	20.3
8 19	22 48.71	−33 33.9	2.145	3.096	7.7	20.3
8 29	22 39.78	−34 3.1	2.155	3.101	7.8	20.3
9 8	22 30.83	−34 10.9	2.191	3.107	9.2	20.4
9 18	22 22.81	−33 56.2	2.251	3.112	11.2	20.5
9 28	22 16.48	−33 20.1	2.333	3.118	13.3	20.7
10 8	22 12.34	−32 25.7	2.434	3.123	15.1	20.8

199531 2006 DV_{191} 8 31.0 260°.90 2°.8/28.6 18

7 30	23 1.46	−14 0.2	1.776	2.673	12.5	20.2
8 9	22 56.00	−14 47.2	1.706	2.664	8.9	20.0
8 19	22 48.53	−15 39.2	1.661	2.655	5.1	19.7
8 29	22 39.78	−16 29.6	1.641	2.646	2.8	19.6
9 8	22 30.75	−17 11.9	1.649	2.636	5.5	19.7
9 18	22 22.48	−17 40.9	1.683	2.627	9.4	19.9
9 28	22 15.93	−17 53.4	1.740	2.617	13.1	20.2
10 8	22 11.75	−17 48.9	1.819	2.607	16.2	20.4

523191 2016 UX_{148} 8 31.0 253°.99 0°.3/30.8 18

7 30	22 58.27	− 6 23.6	2.009	2.891	12.0	21.5
8 9	22 53.51	− 7 11.0	1.933	2.882	8.7	21.3
8 19	22 47.06	− 8 9.4	1.881	2.873	4.9	21.1
8 29	22 39.53	− 9 14.2	1.855	2.864	0.8	20.8
9 8	22 31.73	−10 19.3	1.857	2.855	3.4	21.0
9 18	22 24.52	−11 18.7	1.887	2.846	7.4	21.2
9 28	22 18.73	−12 7.3	1.943	2.837	11.1	21.4
10 8	22 14.92	−12 42.1	2.021	2.827	14.2	21.6

386917 2011 JX_{26} 8 31.0 120°.13 1°.8/29.2 18

7 30	22 59.02	− 9 10.3	1.720	2.614	13.0	20.6
8 9	22 54.18	−10 30.4	1.663	2.620	9.2	20.4
8 19	22 47.45	−12 0.8	1.629	2.625	5.0	20.2
8 29	22 39.59	−13 33.8	1.623	2.630	1.8	20.0
9 8	22 31.56	−15 0.8	1.644	2.636	4.8	20.2
9 18	22 24.32	−16 14.6	1.691	2.641	8.9	20.5
9 28	22 18.78	−17 10.1	1.763	2.646	12.6	20.7
10 8	22 15.48	−17 45.5	1.856	2.650	15.7	20.9

86843 2000 GM_{168} 8 31.0 69°.10 5°.0/27.2 18

7 30	23 3.43	−18 25.2	1.467	2.375	14.0	19.4
8 9	22 57.56	−19 24.7	1.421	2.382	10.1	19.2
8 19	22 49.40	−20 24.1	1.398	2.389	6.4	19.0
8 29	22 39.92	−21 14.6	1.400	2.397	5.1	19.0
9 8	22 30.37	−21 48.9	1.427	2.404	7.6	19.1
9 18	22 21.97	−22 2.5	1.478	2.412	11.3	19.4
9 28	22 15.74	−21 54.5	1.552	2.419	14.9	19.6
10 8	22 12.25	−21 26.6	1.645	2.427	17.9	19.8

510945 2013 EC_{122} 8 31.0 90°.16 2°.1/28.9 18

7 30	23 1.46	−14 22.9	2.291	3.179	10.5	21.6
8 9	22 55.41	−14 49.8	2.242	3.195	7.4	21.4
8 19	22 47.92	−15 18.7	2.219	3.212	4.2	21.2
8 29	22 39.66	−15 45.2	2.223	3.228	2.1	21.1
9 8	22 31.39	−16 5.4	2.256	3.244	4.2	21.3
9 18	22 23.87	−16 16.2	2.317	3.260	7.2	21.5
9 28	22 17.77	−16 16.2	2.404	3.276	10.1	21.7
10 8	22 13.51	−16 4.9	2.513	3.291	12.5	21.9

390947 2005 JM_{138} 8 31.0 110°.73 1°.7/29.3 18

7 30	22 58.28	−10 3.9	1.920	2.812	12.0	20.6
8 9	22 53.51	−11 6.0	1.859	2.815	8.5	20.4
8 19	22 47.04	−12 16.1	1.822	2.817	4.6	20.2
8 29	22 39.54	−13 28.2	1.812	2.820	1.7	20.0
9 8	22 31.86	−14 35.4	1.830	2.822	4.4	20.2
9 18	22 24.90	−15 31.8	1.874	2.824	8.2	20.4
9 28	22 19.43	−16 13.4	1.944	2.827	11.6	20.6
10 8	22 16.02	−16 38.2	2.035	2.829	14.5	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
87245 2000 OX_{46}			8 31.0	15°.25	0°.3/30.9	18
	h m	° ′			°	m
7 30	23 1.59	− 9 19.5	1.084	1.996	17.4	17.8
8 9	22 56.68	− 9 9.2	1.038	2.002	12.5	17.5
8 19	22 49.07	− 9 9.0	1.012	2.009	7.0	17.3
8 29	22 39.89	− 9 13.9	1.009	2.018	1.2	16.9
9 8	22 30.63	− 9 18.0	1.028	2.028	4.8	17.2
9 18	22 22.75	− 9 16.2	1.070	2.040	10.3	17.6
9 28	22 17.41	− 9 4.8	1.134	2.053	15.1	17.9
10 8	22 15.23	− 8 42.0	1.216	2.067	19.0	18.2
17459 Andreashofer			8 31.0	48°.08	5°.7/27.7	18
7 30	23 5.35	−18 10.2	1.055	1.974	17.1	17.2
8 9	22 59.31	−19 5.4	1.026	1.992	12.3	17.0
8 19	22 50.45	−19 59.4	1.016	2.010	7.7	16.8
8 29	22 40.10	−20 41.6	1.030	2.029	5.7	16.8
9 8	22 29.94	−21 3.4	1.066	2.049	8.6	17.0
9 18	22 21.49	−21 1.3	1.125	2.069	13.0	17.3
9 28	22 15.87	−20 35.8	1.204	2.089	17.0	17.6
10 8	22 13.55	−19 50.1	1.300	2.110	20.4	17.9
243407 2009 BF_{52}			8 31.0	89°.58	4°.0/26.7	18
7 30	22 58.49	−15 50.0	1.853	2.756	11.8	20.5
8 9	22 53.71	−17 23.6	1.804	2.764	8.4	20.3
8 19	22 47.16	−19 0.4	1.780	2.772	5.2	20.1
8 29	22 39.56	−20 32.0	1.783	2.781	4.1	20.0
9 8	22 31.82	−21 50.5	1.814	2.789	6.5	20.2
9 18	22 24.87	−22 50.3	1.871	2.797	9.8	20.4
9 28	22 19.52	−23 28.5	1.951	2.805	12.9	20.6
10 8	22 16.32	−23 45.2	2.051	2.813	15.5	20.9
477078 2009 BA_{85}			8 31.0	327°.63	3°.4/ 2.6	18
7 30	22 59.90	+ 0 29.4	1.609	2.476	15.2	20.5
8 9	22 55.03	+ 0 39.3	1.534	2.467	11.7	20.3
8 19	22 48.07	+ 0 32.4	1.480	2.460	7.7	20.1
8 29	22 39.74	+ 0 10.4	1.451	2.452	4.0	19.8
9 8	22 31.06	− 0 22.7	1.447	2.445	4.3	19.8
9 18	22 23.13	− 1 1.2	1.470	2.439	8.1	20.0
9 28	22 16.96	− 1 38.9	1.516	2.433	12.1	20.3
10 8	22 13.23	− 2 10.2	1.584	2.427	15.7	20.5
363711 2004 UP_{5}			8 31.0	331°.85	5°.9/ 6.1	18
7 30	22 56.46	+ 9 54.4	2.004	2.819	14.6	20.3
8 9	22 52.26	+10 5.8	1.921	2.811	12.0	20.1
8 19	22 46.40	+ 9 56.5	1.860	2.804	9.2	19.9
8 29	22 39.45	+ 9 26.3	1.822	2.797	6.7	19.7
9 8	22 32.21	+ 8 38.0	1.810	2.790	6.0	19.7
9 18	22 25.52	+ 7 36.3	1.824	2.784	7.6	19.8
9 28	22 20.20	+ 6 28.0	1.863	2.778	10.3	19.9
10 8	22 16.84	+ 5 20.1	1.926	2.772	13.2	20.1
437350 2013 TC_{59}			8 31.0	274°.07	2°.3/29.2	17
7 30	23 2.02	−11 33.7	1.572	2.470	13.8	21.1
8 9	22 56.74	−12 22.9	1.493	2.452	9.9	20.9
8 19	22 49.13	−13 21.2	1.437	2.433	5.6	20.6
8 29	22 39.94	−14 21.9	1.407	2.414	2.3	20.3
9 8	22 30.27	−15 16.8	1.403	2.395	5.5	20.5
9 18	22 21.34	−15 59.1	1.425	2.376	10.1	20.7
9 28	22 14.30	−16 24.0	1.469	2.356	14.4	20.9
10 8	22 9.93	−16 29.8	1.534	2.337	18.1	21.1
472240 2014 HM_{141}			8 31.0	306°.34	3°.5/28.3	18
7 30	23 1.56	−16 11.7	1.725	2.626	12.6	20.7
8 9	22 56.17	−16 47.3	1.653	2.612	9.1	20.5
8 19	22 48.68	−17 25.4	1.605	2.599	5.4	20.2
8 29	22 39.85	−17 59.7	1.583	2.585	3.5	20.1
9 8	22 30.71	−18 23.8	1.587	2.572	6.0	20.2
9 18	22 22.35	−18 33.6	1.616	2.559	9.8	20.4
9 28	22 15.78	−18 26.5	1.670	2.546	13.5	20.6
10 8	22 11.66	−18 2.9	1.743	2.534	16.7	20.8
224614 2005 YD_{69}			8 31.1	88°.48	1°.1/29.9	18
7 30	22 58.34	−10 6.5	2.263	3.149	10.7	21.1
8 9	22 53.31	−10 42.0	2.202	3.155	7.6	21.0
8 19	22 46.83	−11 23.3	2.166	3.160	4.1	20.8
8 29	22 39.51	−12 6.2	2.157	3.166	1.1	20.5
9 8	22 32.08	−12 46.0	2.177	3.171	3.5	20.7
9 18	22 25.28	−13 18.7	2.224	3.177	6.9	21.0
9 28	22 19.78	−13 41.3	2.297	3.182	10.0	21.2
10 8	22 16.04	−13 52.2	2.393	3.188	12.6	21.4
3233 Krišbarons			8 31.1	294°.85	0°.6/30.7	18 R
7 30	23 3.25	− 8 20.3	1.287	2.186	16.1	16.2
8 9	22 57.92	− 8 39.0	1.217	2.174	11.7	15.9
8 19	22 49.91	− 9 9.8	1.167	2.163	6.6	15.6
8 29	22 40.09	− 9 47.1	1.142	2.151	1.1	15.2
9 8	22 29.80	−10 23.4	1.141	2.139	4.8	15.4
9 18	22 20.49	−10 52.0	1.164	2.128	10.3	15.7
9 28	22 13.47	−11 7.4	1.209	2.117	15.2	16.0
10 8	22 9.55	−11 6.9	1.274	2.106	19.4	16.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
46167 2001 FX_{83}			8 31.1	56°.87	1°.4/30.0	18
	h m	° ′			°	m
7 30	23 3.17	−10 2.6	1.404	2.302	15.1	19.7
8 9	22 57.50	−10 35.0	1.347	2.305	10.8	19.4
8 19	22 49.47	−11 16.6	1.311	2.307	6.0	19.2
8 29	22 39.99	−12 0.9	1.301	2.309	1.5	18.9
9 8	22 30.32	−12 40.6	1.316	2.312	4.9	19.1
9 18	22 21.71	−13 9.6	1.356	2.314	9.8	19.4
9 28	22 15.26	−13 23.9	1.419	2.317	14.1	19.7
10 8	22 11.60	−13 21.9	1.502	2.320	17.7	19.9
210284 2007 TZ_{50}			8 31.1	295°.01	0°.2/30.9	18
7 30	22 59.55	− 7 5.0	1.773	2.660	13.1	20.9
8 9	22 54.63	− 7 34.5	1.699	2.651	9.5	20.7
8 19	22 47.79	− 8 14.8	1.648	2.642	5.3	20.4
8 29	22 39.71	− 9 1.3	1.623	2.632	0.9	20.1
9 8	22 31.34	− 9 48.0	1.625	2.623	3.7	20.3
9 18	22 23.66	−10 29.3	1.653	2.614	8.1	20.5
9 28	22 17.60	−11 0.4	1.706	2.606	12.0	20.8
10 8	22 13.79	−11 18.2	1.780	2.597	15.4	21.0
105825 2000 SG_{144}			8 31.1	268°.40	0°.9/31.7	18
7 30	23 2.58	− 4 29.2	1.453	2.338	15.5	20.2
8 9	22 57.25	− 4 49.6	1.375	2.324	11.5	19.9
8 19	22 49.47	− 5 25.4	1.319	2.310	6.8	19.6
8 29	22 40.03	− 6 12.5	1.287	2.296	1.7	19.3
9 8	22 30.09	− 7 4.1	1.281	2.281	4.0	19.4
9 18	22 20.95	− 7 53.0	1.300	2.266	9.2	19.7
9 28	22 13.81	− 8 32.5	1.343	2.252	14.0	19.9
10 8	22 9.49	− 8 58.1	1.406	2.237	18.0	20.1
202591 2006 GU_{47}			8 31.1	305°.52	7°.1/ 7.2	18
7 30	22 56.23	+12 51.2	1.679	2.490	17.2	19.9
8 9	22 52.43	+12 41.7	1.593	2.478	14.3	19.7
8 19	22 46.65	+12 3.3	1.527	2.466	11.1	19.5
8 29	22 39.53	+10 55.6	1.483	2.455	8.3	19.3
9 8	22 32.01	+ 9 22.4	1.463	2.443	7.1	19.2
9 18	22 25.12	+ 7 31.4	1.469	2.432	8.7	19.3
9 28	22 19.84	+ 5 33.0	1.500	2.421	11.9	19.4
10 8	22 16.89	+ 3 38.1	1.553	2.410	15.3	19.6
414061 2007 RF_{318}			8 31.1	310°.59	4°.3/ 2.8	17
7 30	23 0.18	+ 1 15.2	1.185	2.067	18.5	20.6
8 9	22 55.96	+ 1 28.5	1.108	2.049	14.4	20.3
8 19	22 48.95	+ 1 19.0	1.050	2.032	9.6	20.0
8 29	22 39.96	+ 0 47.6	1.014	2.015	5.2	19.7
9 8	22 30.30	− 0 0.7	1.000	1.999	5.4	19.6
9 18	22 21.49	− 0 57.8	1.009	1.983	10.1	19.9
9 28	22 14.97	− 1 54.1	1.040	1.968	15.3	20.1
10 8	22 11.69	− 2 40.9	1.090	1.953	19.9	20.3
193681 2001 EE_{8}			8 31.1	275°.05	2°.2/29.1	18
7 30	23 1.04	−12 10.9	1.864	2.757	12.2	20.1
8 9	22 55.77	−12 57.6	1.780	2.736	8.8	19.8
8 19	22 48.49	−13 51.6	1.719	2.714	4.9	19.6
8 29	22 39.86	−14 46.9	1.685	2.692	2.2	19.3
9 8	22 30.80	−15 36.9	1.679	2.669	5.0	19.5
9 18	22 22.34	−16 15.9	1.699	2.647	9.0	19.7
9 28	22 15.46	−16 39.8	1.744	2.624	12.9	19.9
10 8	22 10.86	−16 46.8	1.809	2.601	16.2	20.0
94309 2001 FX_{33}			8 31.1	310°.73	2°.8/ 2.4	18
7 30	23 1.13	− 0 24.6	2.096	2.950	12.7	18.6
8 9	22 55.53	− 0 3.1	2.014	2.941	9.7	18.4
8 19	22 48.21	+ 0 6.8	1.956	2.932	6.3	18.2
8 29	22 39.80	+ 0 6.1	1.924	2.924	3.4	18.0
9 8	22 31.10	− 0 2.7	1.919	2.916	3.6	18.0
9 18	22 22.98	− 0 16.4	1.943	2.907	6.8	18.2
9 28	22 16.27	− 0 30.9	1.992	2.899	10.2	18.4
10 8	22 11.54	− 0 42.5	2.065	2.892	13.2	18.5
251836 1999 TR_{214}			8 31.1	342°.18	6°.9/25.3	18
7 30	23 1.96	−25 57.9	1.752	2.654	12.4	19.4
8 9	22 56.42	−26 46.4	1.697	2.647	9.6	19.2
8 19	22 48.78	−27 28.1	1.664	2.640	7.4	19.0
8 29	22 39.89	−27 55.2	1.657	2.633	7.1	19.0
9 8	22 30.84	−28 2.2	1.675	2.628	8.9	19.1
9 18	22 22.76	−27 46.5	1.716	2.622	11.8	19.3
9 28	22 16.58	−27 8.5	1.781	2.618	14.7	19.5
10 8	22 12.91	−26 11.2	1.863	2.614	17.2	19.6
337198 1999 WL_{19}			8 31.1	257°.05	7°.5/22.9	18
7 30	23 3.61	−28 40.8	2.070	2.961	11.3	21.4
8 9	22 57.56	−30 1.1	2.004	2.943	9.1	21.3
8 19	22 49.46	−31 14.8	1.963	2.924	7.6	21.1
8 29	22 40.02	−32 13.6	1.948	2.905	7.8	21.1
9 8	22 30.25	−32 50.9	1.959	2.885	9.6	21.2
9 18	22 21.21	−33 3.2	1.994	2.865	12.1	21.3
9 28	22 13.87	−32 50.2	2.052	2.844	14.6	21.4
10 8	22 8.92	−32 14.6	2.127	2.823	16.8	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
300425 2007 TA_4			8 31.1 279°.71	0°.9/30.3 18		
	h m	° ′			°	m
7 30	23 1.96	− 9 56.8	1.825	2.713	12.7	20.6
8 9	22 56.30	−10 15.2	1.753	2.706	9.1	20.4
8 19	22 48.71	−10 40.7	1.704	2.698	5.1	20.1
8 29	22 39.89	−11 8.8	1.682	2.691	1.1	19.8
9 8	22 30.81	−11 34.4	1.687	2.684	4.0	20.0
9 18	22 22.48	−11 53.0	1.719	2.677	8.2	20.3
9 28	22 15.81	−12 1.3	1.776	2.670	12.0	20.5
10 8	22 11.42	−11 57.5	1.855	2.662	15.2	20.7
1298 Nocturna			8 31.1 345°.55	2°.1/ 1.9 18		
7 30	22 58.19	− 1 56.3	1.839	2.710	13.4	15.3
8 9	22 53.57	− 1 55.2	1.766	2.704	10.1	15.0
8 19	22 47.16	− 2 7.4	1.715	2.699	6.3	14.8
8 29	22 39.62	− 2 30.3	1.689	2.694	2.7	14.6
9 8	22 31.83	− 3 0.0	1.690	2.689	3.4	14.6
9 18	22 24.71	− 3 31.7	1.717	2.685	7.2	14.8
9 28	22 19.10	− 4 0.5	1.770	2.682	10.9	15.1
10 8	22 15.61	− 4 22.1	1.844	2.679	14.2	15.3
193299 2000 SB_{273}			8 31.1 24°.19	5°.1/ 4.1 18		
7 30	22 56.22	+ 4 43.2	1.114	1.993	19.6	18.7
8 9	22 52.75	+ 4 37.9	1.070	2.005	15.3	18.5
8 19	22 46.87	+ 4 3.8	1.043	2.019	10.5	18.3
8 29	22 39.56	+ 3 4.3	1.038	2.035	6.2	18.1
9 8	22 32.16	+ 1 47.6	1.055	2.052	5.6	18.1
9 18	22 25.93	+ 0 24.3	1.095	2.070	9.2	18.4
9 28	22 21.96	− 0 54.8	1.157	2.089	13.6	18.7
10 8	22 20.80	− 2 1.0	1.238	2.109	17.4	19.0
326375 2001 BP_{53}			8 31.1 132°.63	2°.6/28.5 17		
7 30	23 3.67	−12 37.4	1.860	2.750	12.4	21.4
8 9	22 57.33	−13 49.8	1.812	2.766	8.7	21.2
8 19	22 49.17	−15 7.3	1.788	2.782	4.9	21.0
8 29	22 39.96	−16 22.7	1.792	2.797	2.7	20.9
9 8	22 30.70	−17 28.6	1.825	2.811	5.2	21.1
9 18	22 22.33	−18 19.9	1.885	2.824	8.9	21.3
9 28	22 15.70	−18 53.4	1.969	2.837	12.2	21.6
10 8	22 11.34	−19 8.7	2.075	2.848	15.0	21.8
478779 2012 UU_{132}			8 31.1 332°.97	0°.9/30.4 18		
7 30	22 56.77	− 7 53.2	1.312	2.219	15.4	20.5
8 9	22 53.20	− 8 33.4	1.241	2.203	11.1	20.2
8 19	22 47.24	− 9 28.1	1.191	2.188	6.2	19.9
8 29	22 39.67	−10 30.6	1.164	2.174	1.2	19.5
9 8	22 31.67	−11 32.3	1.162	2.161	4.8	19.7
9 18	22 24.52	−12 24.8	1.184	2.148	10.1	20.0
9 28	22 19.40	−13 1.5	1.227	2.137	14.9	20.2
10 8	22 17.08	−13 18.8	1.289	2.127	18.9	20.5
157880 1999 NO_{60}			8 31.1 71°.20	6°.9/ 6.8 18		
7 30	22 59.66	+11 40.4	1.650	2.464	17.3	19.4
8 9	22 54.69	+11 45.6	1.591	2.478	14.2	19.2
8 19	22 47.80	+11 24.3	1.551	2.492	10.9	19.0
8 29	22 39.74	+10 37.0	1.534	2.506	8.0	18.9
9 8	22 31.53	+ 9 28.2	1.542	2.521	6.9	18.9
9 18	22 24.19	+ 8 5.0	1.575	2.535	8.5	19.0
9 28	22 18.62	+ 6 36.5	1.633	2.549	11.4	19.2
10 8	22 15.39	+ 5 11.6	1.714	2.564	14.4	19.4
261690 Jodorowsky			8 31.1 331°.00	4°.3/26.2 18		
7 30	22 57.36	−18 34.3	2.087	2.990	10.7	19.9
8 9	22 52.85	−19 49.4	2.028	2.987	7.7	19.8
8 19	22 46.70	−21 5.6	1.995	2.984	5.1	19.6
8 29	22 39.55	−22 15.7	1.988	2.981	4.4	19.6
9 8	22 32.22	−23 13.6	2.009	2.978	6.4	19.7
9 18	22 25.54	−23 54.6	2.056	2.975	9.4	19.9
9 28	22 20.28	−24 16.4	2.126	2.973	12.2	20.0
10 8	22 16.97	−24 19.1	2.217	2.971	14.7	20.2
296307 2009 DU_{127}			8 31.1 44°.65	2°.3/ 2.5 18		
7 30	22 56.38	+ 1 39.0	1.785	2.648	14.2	20.8
8 9	22 52.24	+ 0 49.8	1.722	2.655	10.7	20.6
8 19	22 46.38	− 0 18.2	1.682	2.663	6.8	20.4
8 29	22 39.50	− 1 40.7	1.667	2.671	3.0	20.2
9 8	22 32.46	− 3 10.7	1.679	2.679	3.3	20.2
9 18	22 26.15	− 4 40.3	1.718	2.688	7.1	20.4
9 28	22 21.36	− 6 2.1	1.783	2.696	10.8	20.7
10 8	22 18.63	− 7 10.7	1.871	2.705	14.0	20.9
181257 2005 UW_{363}			8 31.1 26°.03	3°.4/28.0 18		
7 30	22 58.54	−15 13.5	1.653	2.560	12.7	19.7
8 9	22 53.87	−16 7.1	1.606	2.568	9.0	19.5
8 19	22 47.31	−17 3.8	1.583	2.577	5.3	19.3
8 29	22 39.66	−17 56.5	1.584	2.587	3.4	19.2
9 8	22 31.93	−18 38.3	1.612	2.597	5.9	19.4
9 18	22 25.12	−19 4.7	1.665	2.608	9.6	19.6
9 28	22 20.07	−19 13.3	1.741	2.619	13.0	19.9
10 8	22 17.31	−19 4.3	1.838	2.631	15.9	20.1

2020	α_{2000}	δ_{2000}	Δ	r	β	V
515415 2013 HV_{60}			8 31.1 70°.75	2°.8/28.4 18		
	h m	° ′			°	m
7 30	23 1.50	−16 27.0	2.178	3.070	10.7	21.5
8 9	22 55.64	−16 53.6	2.119	3.073	7.7	21.3
8 19	22 48.19	−17 20.9	2.084	3.077	4.5	21.1
8 29	22 39.81	−17 44.3	2.078	3.080	2.8	21.0
9 8	22 31.34	−17 59.5	2.099	3.083	4.9	21.2
9 18	22 23.60	−18 3.7	2.147	3.086	8.0	21.4
9 28	22 17.33	−17 55.2	2.221	3.089	11.0	21.6
10 8	22 13.03	−17 34.3	2.317	3.092	13.5	21.8
478817 2012 VF_{14}			8 31.1 122°.48	4°.2/ 4.7 18		
7 30	22 58.89	+ 7 3.7	2.006	2.833	14.2	21.7
8 9	22 53.88	+ 6 38.3	1.939	2.843	11.2	21.5
8 19	22 47.25	+ 5 52.6	1.894	2.853	7.9	21.3
8 29	22 39.65	+ 4 48.8	1.874	2.863	5.0	21.2
9 8	22 31.91	+ 3 32.0	1.882	2.873	4.4	21.2
9 18	22 24.84	+ 2 8.7	1.917	2.882	6.8	21.3
9 28	22 19.22	+ 0 46.0	1.979	2.891	9.9	21.5
10 8	22 15.57	− 0 29.6	2.064	2.900	12.9	21.7
521624 2015 PQ_{321}			8 31.1 245°.43	5°.2/25.2 18		
7 30	22 59.46	−22 24.1	2.172	3.071	10.5	21.2
8 9	22 54.34	−23 36.9	2.114	3.066	7.8	21.0
8 19	22 47.54	−24 47.7	2.080	3.061	5.7	20.9
8 29	22 39.71	−25 49.3	2.073	3.055	5.4	20.9
9 8	22 31.69	−26 35.9	2.094	3.049	7.3	21.0
9 18	22 24.33	−27 3.8	2.140	3.043	9.9	21.1
9 28	22 18.43	−27 11.5	2.210	3.038	12.5	21.3
10 8	22 14.53	−27 0.0	2.300	3.032	14.8	21.4
510616 2012 TO_{105}			8 31.1 358°.49	1°.5/30.1 18		
7 30	23 1.47	−10 53.8	1.349	2.254	15.2	20.8
8 9	22 56.39	−11 9.8	1.291	2.252	10.9	20.5
8 19	22 48.92	−11 33.7	1.254	2.250	6.0	20.2
8 29	22 39.96	−11 59.6	1.241	2.249	1.6	19.9
9 8	22 30.78	−12 21.1	1.252	2.249	4.9	20.2
9 18	22 22.66	−12 32.9	1.288	2.250	9.8	20.5
9 28	22 16.70	−12 31.5	1.347	2.251	14.2	20.7
10 8	22 13.56	−12 15.5	1.425	2.253	17.9	21.0
67913 2000 WC_{103}			8 31.1 313°.55	0°.2/31.3 18		
7 30	22 56.73	− 3 50.0	1.188	2.090	17.0	19.2
8 9	22 53.43	− 4 47.3	1.113	2.071	12.5	18.9
8 19	22 47.52	− 6 7.9	1.058	2.053	7.2	18.5
8 29	22 39.76	− 7 45.2	1.026	2.035	1.4	18.1
9 8	22 31.41	− 9 28.2	1.017	2.017	4.7	18.3
9 18	22 23.89	−11 4.6	1.032	2.001	10.6	18.5
9 28	22 18.56	−12 23.6	1.068	1.985	16.0	18.8
10 8	22 16.31	−13 18.7	1.123	1.969	20.5	19.0
342210 2008 SD_{240}			8 31.1 356°.09	8°.4/24.9 18		
7 30	23 3.06	−26 2.0	1.352	2.264	14.7	20.5
8 9	22 57.65	−27 7.8	1.306	2.261	11.4	20.3
8 19	22 49.64	−28 5.4	1.281	2.259	8.9	20.1
8 29	22 40.08	−28 44.3	1.280	2.257	8.6	20.1
9 8	22 30.40	−28 56.9	1.302	2.256	10.8	20.2
9 18	22 21.98	−28 40.5	1.346	2.256	14.0	20.4
9 28	22 15.99	−27 56.5	1.410	2.257	17.3	20.6
10 8	22 13.02	−26 49.4	1.491	2.258	20.1	20.8
6012 Williammurdoch			8 31.1 6°.94	22°.3/12.5 18		
7 30	22 55.31	−49 10.9	0.823	1.721	22.9	14.9
8 9	22 53.62	−50 57.1	0.819	1.723	22.3	14.9
8 19	22 47.76	−51 53.9	0.829	1.728	22.4	15.0
8 29	22 39.73	−51 50.0	0.853	1.737	23.1	15.0
9 8	22 32.08	−50 43.9	0.889	1.748	24.3	15.2
9 18	22 26.84	−48 42.3	0.937	1.763	25.7	15.4
9 28	22 25.17	−45 56.9	0.998	1.781	27.1	15.6
10 8	22 27.20	−42 41.1	1.071	1.802	28.4	15.8
164024 2003 UZ_{224}			8 31.1 290°.44	4°.1/27.4 18		
7 30	23 0.08	−16 37.4	1.742	2.646	12.4	20.1
8 9	22 55.15	−17 40.5	1.672	2.632	8.9	19.8
8 19	22 48.17	−18 47.3	1.626	2.619	5.5	19.6
8 29	22 39.86	−19 50.0	1.606	2.605	4.1	19.5
9 8	22 31.22	−20 41.2	1.612	2.592	6.6	19.6
9 18	22 23.32	−21 15.2	1.644	2.578	10.3	19.8
9 28	22 17.14	−21 29.2	1.699	2.565	13.9	20.0
10 8	22 13.34	−21 22.8	1.773	2.552	16.9	20.2
133976 2004 TM_{219}			8 31.1 202°.60	1°.5/ 1.6 17		
7 30	23 0.33	− 1 27.1	2.276	3.132	11.7	21.7
8 9	22 54.85	− 1 57.7	2.195	3.127	8.8	21.5
8 19	22 47.81	− 2 41.0	2.139	3.122	5.4	21.3
8 29	22 39.79	− 3 34.0	2.110	3.116	2.0	21.0
9 8	22 31.53	− 4 31.9	2.110	3.109	2.9	21.1
9 18	22 23.80	− 5 29.8	2.139	3.102	6.4	21.3
9 28	22 17.36	− 6 22.5	2.195	3.094	9.7	21.5
10 8	22 12.74	− 7 6.3	2.274	3.086	12.6	21.7

215062 2009 DC_{125} 8 31.1 327°.08 0°.6/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 58.14	− 7 27.4	1.739	2.629	13.1	20.3
8 9	22 53.65	− 8 10.2	1.670	2.624	9.4	20.0
8 19	22 47.27	− 9 4.2	1.624	2.618	5.2	19.8
8 29	22 39.70	−10 3.9	1.604	2.613	0.9	19.5
9 8	22 31.88	−11 2.6	1.611	2.608	3.9	19.7
9 18	22 24.78	−11 54.1	1.644	2.604	8.2	19.9
9 28	22 19.29	−12 33.3	1.701	2.600	12.1	20.2
10 8	22 16.02	−12 57.3	1.780	2.596	15.4	20.4

485460 2011 RX_{13} 8 31.1 279°.69 2°.2/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.83	+ 0 50.9	1.984	2.841	13.1	22.0
8 9	22 53.38	+ 0 16.4	1.889	2.820	10.0	21.8
8 19	22 47.15	− 0 35.6	1.818	2.798	6.4	21.5
8 29	22 39.70	− 1 42.4	1.772	2.775	2.9	21.3
9 8	22 31.83	− 2 58.7	1.754	2.753	3.3	21.2
9 18	22 24.44	− 4 17.8	1.763	2.730	7.1	21.4
9 28	22 18.40	− 5 32.6	1.799	2.707	11.0	21.6
10 8	22 14.39	− 6 37.4	1.857	2.685	14.4	21.8

512435 2016 PE_{91} 8 31.1 58°.30 1°.4/ 1.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.58	− 2 40.5	1.747	2.621	13.8	21.3
8 9	22 54.59	− 3 4.6	1.683	2.625	10.2	21.1
8 19	22 47.75	− 3 42.8	1.642	2.629	6.1	20.9
8 29	22 39.78	− 4 31.4	1.626	2.633	2.1	20.6
9 8	22 31.62	− 5 24.6	1.637	2.637	3.3	20.7
9 18	22 24.24	− 6 16.2	1.674	2.641	7.5	21.0
9 28	22 18.51	− 7 0.8	1.737	2.645	11.3	21.2
10 8	22 14.99	− 7 34.1	1.822	2.649	14.6	21.4

480373 2015 KC_{36} 8 31.1 26°.70 8°.8/22.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.82	−27 41.4	1.515	2.425	13.5	19.8
8 9	22 55.09	−29 22.4	1.482	2.432	10.7	19.7
8 19	22 48.11	−30 53.6	1.472	2.440	8.9	19.6
8 29	22 39.83	−32 4.4	1.486	2.449	9.2	19.6
9 8	22 31.50	−32 47.3	1.524	2.458	11.2	19.8
9 18	22 24.29	−32 59.6	1.584	2.468	13.9	20.0
9 28	22 19.20	−32 42.3	1.664	2.478	16.5	20.2
10 8	22 16.76	−31 59.6	1.760	2.489	18.8	20.4

120330 2004 NO_{25} 8 31.1 335°.21 1°.4/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.83	− 2 50.6	1.950	2.823	12.7	19.8
8 9	22 53.24	− 3 10.0	1.878	2.818	9.4	19.5
8 19	22 46.97	− 3 42.1	1.828	2.814	5.7	19.3
8 29	22 39.65	− 4 23.8	1.804	2.811	2.0	19.1
9 8	22 32.10	− 5 10.1	1.807	2.807	3.1	19.1
9 18	22 25.18	− 5 55.9	1.837	2.804	6.9	19.4
9 28	22 19.69	− 6 36.0	1.893	2.801	10.6	19.6
10 8	22 16.20	− 7 6.7	1.971	2.798	13.7	19.8

71585 2000 DS_{64} 8 31.1 288°.02 0°.4/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.55	− 5 22.3	2.301	3.175	11.0	19.2
8 9	22 52.86	− 5 46.1	2.220	3.164	8.0	19.0
8 19	22 46.70	− 6 19.3	2.164	3.153	4.6	18.8
8 29	22 39.60	− 6 58.7	2.134	3.143	1.1	18.5
9 8	22 32.27	− 7 40.1	2.133	3.132	2.8	18.6
9 18	22 25.44	− 8 19.2	2.159	3.121	6.4	18.8
9 28	22 19.82	− 8 51.9	2.212	3.111	9.7	19.0
10 8	22 15.93	− 9 15.3	2.288	3.100	12.5	19.2

148295 2000 HU_{51} 8 31.1 101°.17 0°.0/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.74	− 6 6.5	1.665	2.547	14.0	20.5
8 9	22 56.80	− 6 44.9	1.614	2.563	10.1	20.3
8 19	22 48.94	− 7 34.7	1.587	2.579	5.7	20.1
8 29	22 39.98	− 8 30.3	1.586	2.595	1.0	19.8
9 8	22 30.97	− 9 25.1	1.612	2.611	3.7	20.1
9 18	22 22.93	−10 13.1	1.665	2.626	8.1	20.4
9 28	22 16.72	−10 49.5	1.743	2.641	11.9	20.6
10 8	22 12.88	−11 12.0	1.842	2.655	15.1	20.9

438611 2007 VQ_{311} 8 31.1 307°.17 2°.4/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.96	−12 26.8	1.756	2.656	12.5	21.1
8 9	22 54.26	−13 19.7	1.687	2.647	8.9	20.9
8 19	22 47.64	−14 19.5	1.642	2.638	5.0	20.6
8 29	22 39.78	−15 19.7	1.623	2.629	2.4	20.4
9 8	22 31.64	−16 13.2	1.630	2.621	5.2	20.6
9 18	22 24.23	−16 54.3	1.664	2.612	9.2	20.8
9 28	22 18.47	−17 19.0	1.721	2.604	12.9	21.0
10 8	22 14.98	−17 26.1	1.799	2.596	16.0	21.2

361463 2007 CC_{60} 8 31.1 125°.36 2°.3/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.22	+ 0 32.7	2.682	3.522	10.6	21.5
8 9	22 54.46	+ 0 33.2	2.616	3.535	8.1	21.4
8 19	22 47.46	+ 0 23.2	2.575	3.548	5.3	21.2
8 29	22 39.73	+ 0 4.2	2.561	3.561	2.7	21.1
9 8	22 31.92	− 0 20.9	2.577	3.573	2.9	21.1
9 18	22 24.65	− 0 48.9	2.622	3.584	5.4	21.3
9 28	22 18.51	− 1 16.3	2.694	3.596	8.1	21.5
10 8	22 13.93	− 1 40.1	2.792	3.607	10.4	21.7

455020 2015 TG_{315} 8 31.1 61°.45 3°.9/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 59.65	−19 28.2	2.253	3.149	10.3	20.5
8 9	22 54.34	−20 15.4	2.197	3.152	7.4	20.3
8 19	22 47.49	−21 1.6	2.166	3.154	4.8	20.2
8 29	22 39.74	−21 41.5	2.162	3.156	4.0	20.1
9 8	22 31.89	−22 10.2	2.187	3.158	5.8	20.3
9 18	22 24.72	−22 24.7	2.237	3.161	8.6	20.4
9 28	22 18.95	−22 23.5	2.313	3.163	11.3	20.6
10 8	22 15.06	−22 7.2	2.409	3.165	13.6	20.8

73123 2002 GS_{58} 8 31.1 11°.16 4°.3/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.50	+ 3 27.0	1.044	1.932	19.9	18.4
8 9	22 52.51	+ 3 3.9	0.990	1.934	15.4	18.2
8 19	22 46.92	+ 2 10.3	0.954	1.937	10.3	17.9
8 29	22 39.67	+ 0 50.3	0.939	1.941	5.4	17.6
9 8	22 32.15	− 0 46.3	0.946	1.946	5.1	17.7
9 18	22 25.76	− 2 27.0	0.976	1.953	9.7	17.9
9 28	22 21.73	− 3 59.1	1.026	1.960	14.7	18.2
10 8	22 20.75	− 5 13.2	1.096	1.969	19.0	18.5

306402 1996 SM_{2} 8 31.1 358°.10 0°.7/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.38	− 4 36.5	1.771	2.652	13.3	21.2
8 9	22 53.75	− 5 2.8	1.704	2.651	9.7	21.0
8 19	22 47.30	− 5 41.6	1.660	2.651	5.7	20.8
8 29	22 39.73	− 6 28.8	1.642	2.650	1.4	20.5
9 8	22 31.94	− 7 18.6	1.650	2.650	3.3	20.6
9 18	22 24.88	− 8 5.3	1.685	2.650	7.6	20.9
9 28	22 19.41	− 8 43.6	1.745	2.651	11.4	21.1
10 8	22 16.10	− 9 10.0	1.826	2.652	14.7	21.3

79213 1994 EX 8 31.1 8°.04 1°.3/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.48	−10 17.6	1.776	2.670	12.7	19.0
8 9	22 54.52	−10 52.5	1.714	2.671	9.0	18.8
8 19	22 47.72	−11 34.7	1.676	2.671	5.0	18.6
8 29	22 39.80	−12 19.1	1.664	2.672	1.4	18.3
9 8	22 31.70	−12 59.5	1.678	2.674	4.2	18.5
9 18	22 24.39	−13 31.1	1.719	2.675	8.3	18.8
9 28	22 18.72	−13 50.1	1.785	2.677	12.0	19.0
10 8	22 15.26	−13 54.9	1.871	2.679	15.1	19.2

339177 2004 TE_{129} 8 31.1 249°.24 1°.9/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.89	−11 6.5	1.941	2.831	12.0	20.9
8 9	22 55.57	−11 59.3	1.862	2.817	8.6	20.7
8 19	22 48.37	−12 59.9	1.807	2.802	4.8	20.4
8 29	22 39.93	−14 2.6	1.779	2.787	1.9	20.2
9 8	22 31.15	−15 0.7	1.780	2.771	4.6	20.4
9 18	22 22.97	−15 48.5	1.807	2.755	8.5	20.6
9 28	22 16.32	−16 21.7	1.859	2.739	12.2	20.8
10 8	22 11.84	−16 38.5	1.933	2.722	15.3	21.0

523724 2014 MA_{70} 8 31.1 39°.84 0°.1/ 1.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 40.40	− 5 17.0	40.134	40.992	0.8	21.4
8 9	22 39.75	− 5 20.7	40.059	40.993	0.6	21.4
8 19	22 39.03	− 5 24.9	40.010	40.995	0.3	21.4
8 29	22 38.28	− 5 29.5	39.990	40.997	0.1	21.3
9 8	22 37.52	− 5 34.2	39.999	40.999	0.2	21.3
9 18	22 36.78	− 5 38.9	40.037	41.000	0.4	21.4
9 28	22 36.10	− 5 43.5	40.104	41.002	0.6	21.4
10 8	22 35.49	− 5 47.7	40.198	41.004	0.8	21.4

519508 2012 EZ_{19} 8 31.1 218°.15 3°.7/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.52	+ 8 22.5	3.061	3.861	10.4	22.4
8 9	22 51.85	+ 8 8.8	2.967	3.852	8.4	22.3
8 19	22 46.05	+ 7 40.8	2.897	3.843	6.2	22.1
8 29	22 39.52	+ 6 59.6	2.854	3.833	4.3	22.0
9 8	22 32.80	+ 6 7.5	2.839	3.823	3.8	21.9
9 18	22 26.44	+ 5 8.1	2.853	3.812	5.2	22.0
9 28	22 20.96	+ 4 5.6	2.896	3.801	7.4	22.1
10 8	22 16.80	+ 3 4.5	2.964	3.789	9.7	22.3

15542 2000 DN_{3} 8 31.1 221°.42 4°.3/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.73	−19 56.7	2.107	3.002	11.0	18.5
8 9	22 56.70	−20 44.0	2.043	2.996	8.0	18.3
8 19	22 48.91	−21 30.3	2.004	2.991	5.3	18.1
8 29	22 40.03	−22 9.3	1.992	2.985	4.4	18.1
9 8	22 30.96	−22 36.0	2.007	2.978	6.3	18.2
9 18	22 22.63	−22 46.8	2.050	2.972	9.3	18.3
9 28	22 15.86	−22 40.4	2.116	2.965	12.2	18.5
10 8	22 11.20	−22 17.7	2.204	2.958	14.8	18.7

257042 2008 FD_{67} 8 31.1 172°.66 1°.4/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.76	− 1 29.9	2.370	3.229	11.2	21.6
8 9	22 52.93	− 1 58.1	2.297	3.230	8.4	21.4
8 19	22 46.72	− 2 38.1	2.248	3.231	5.1	21.2
8 29	22 39.65	− 3 27.0	2.226	3.232	2.0	21.0
9 8	22 32.42	− 4 20.3	2.233	3.233	2.7	21.1
9 18	22 25.72	− 5 13.6	2.268	3.233	5.9	21.3
9 28	22 20.22	− 6 2.1	2.331	3.234	9.1	21.5
10 8	22 16.38	− 6 42.4	2.417	3.234	11.8	21.7

2020	α_{2000}	δ_{2000}	Δ	r	β	V
183552 2003 JY_5			8 31.1 136°.70		3°.5/27.2 18	
	h m	° ′			°	m
7 30	23 0.00	−18 3.0	2.327	3.221	10.1	20.8
8 9	22 54.54	−18 55.7	2.272	3.227	7.2	20.7
8 19	22 47.60	−19 48.6	2.244	3.233	4.6	20.5
8 29	22 39.81	−20 36.2	2.243	3.239	3.6	20.4
9 8	22 31.92	−21 13.6	2.270	3.244	5.4	20.6
9 18	22 24.69	−21 37.5	2.324	3.250	8.2	20.8
9 28	22 18.82	−21 46.2	2.404	3.255	10.8	20.9
10 8	22 14.77	−21 39.9	2.505	3.260	13.1	21.1
314534 2005 YD_{43}			8 31.1 249°.93		2°.8/27.8 18	
7 30	22 57.37	−14 42.2	2.339	3.234	10.0	20.2
8 9	22 52.74	−15 46.3	2.271	3.228	7.1	20.0
8 19	22 46.65	−16 54.2	2.229	3.222	4.2	19.9
8 29	22 39.65	−18 0.3	2.214	3.215	2.8	19.8
9 8	22 32.45	−18 58.8	2.228	3.209	4.9	19.9
9 18	22 25.79	−19 45.4	2.269	3.203	7.9	20.1
9 28	22 20.37	−20 17.1	2.335	3.196	10.8	20.2
10 8	22 16.69	−20 32.8	2.423	3.190	13.2	20.4
55989 1998 SA_{62}			8 31.1 333°.67		3°.7/ 2.4 18	
7 30	23 0.57	− 0 22.6	1.245	2.128	17.7	17.9
8 9	22 56.08	− 0 2.2	1.175	2.118	13.5	17.7
8 19	22 48.97	− 0 0.9	1.124	2.108	8.9	17.4
8 29	22 40.11	− 0 17.3	1.095	2.098	4.5	17.1
9 8	22 30.76	− 0 46.9	1.090	2.090	4.9	17.1
9 18	22 22.34	− 1 23.0	1.109	2.082	9.5	17.3
9 28	22 16.14	− 1 58.0	1.150	2.075	14.3	17.6
10 8	22 12.97	− 2 25.1	1.210	2.069	18.6	17.8
245330 2005 EH_{128}			8 31.1 28°.61		3°.0/ 3.1 17	
7 30	22 54.91	+ 3 21.1	1.337	2.212	17.2	19.6
8 9	22 51.56	+ 2 26.1	1.289	2.226	13.1	19.4
8 19	22 46.16	+ 1 5.6	1.261	2.242	8.5	19.1
8 29	22 39.57	− 0 34.3	1.255	2.258	4.0	18.9
9 8	22 32.88	− 2 23.8	1.275	2.276	4.0	19.0
9 18	22 27.16	− 4 11.9	1.320	2.294	8.2	19.3
9 28	22 23.34	− 5 48.5	1.389	2.313	12.4	19.6
10 8	22 21.94	− 7 6.9	1.480	2.333	16.1	19.9
378254 2007 DD_{20}			8 31.1 240°.10		0°.7/30.5 18	
7 30	23 2.88	− 8 27.2	1.806	2.689	13.0	22.0
8 9	22 57.11	− 8 59.0	1.728	2.678	9.4	21.7
8 19	22 49.30	− 9 40.4	1.673	2.666	5.3	21.5
8 29	22 40.16	−10 26.5	1.645	2.654	1.0	21.2
9 8	22 30.66	−11 11.2	1.644	2.641	4.0	21.4
9 18	22 21.85	−11 48.9	1.671	2.628	8.4	21.6
9 28	22 14.72	−12 15.3	1.723	2.615	12.3	21.8
10 8	22 9.93	−12 27.9	1.795	2.601	15.7	22.0
380994 2006 SJ_{400}			8 31.1 279°.36		15°.9/14.6 18	
7 30	23 17.22	−48 21.7	1.602	2.437	16.8	21.1
8 9	23 8.67	−50 2.1	1.556	2.415	16.0	20.9
8 19	22 56.26	−51 15.2	1.530	2.392	16.0	20.9
8 29	22 41.39	−51 48.1	1.524	2.369	16.7	20.9
9 8	22 26.20	−51 33.3	1.536	2.345	18.2	20.9
9 18	22 12.87	−50 31.1	1.566	2.321	20.0	21.0
9 28	22 3.12	−48 47.7	1.611	2.297	21.9	21.1
10 8	21 57.65	−46 33.0	1.669	2.273	23.6	21.2
167445 2003 XL_7			8 31.1 285°.25		2°.1/ 2.0 18	
7 30	22 58.42	− 0 24.8	1.830	2.696	13.7	20.5
8 9	22 53.91	− 0 51.2	1.744	2.680	10.4	20.2
8 19	22 47.52	− 1 34.4	1.680	2.663	6.5	20.0
8 29	22 39.85	− 2 31.3	1.642	2.647	2.8	19.7
9 8	22 31.80	− 3 36.6	1.631	2.630	3.4	19.7
9 18	22 24.31	− 4 43.7	1.646	2.614	7.5	19.9
9 28	22 18.32	− 5 45.8	1.687	2.598	11.5	20.1
10 8	22 14.50	− 6 37.4	1.750	2.581	15.0	20.3
162845 2001 DZ_{27}			8 31.1 199°.48		1°.1/29.9 18	
7 30	22 59.27	− 8 27.7	1.889	2.777	12.3	20.0
8 9	22 54.35	− 9 25.4	1.823	2.776	8.8	19.8
8 19	22 47.66	−10 32.8	1.780	2.775	4.8	19.6
8 29	22 39.87	−11 44.3	1.765	2.773	1.2	19.3
9 8	22 31.86	−12 52.8	1.777	2.772	4.0	19.5
9 18	22 24.54	−13 52.2	1.816	2.770	8.1	19.8
9 28	22 18.75	−14 37.8	1.880	2.768	11.7	20.0
10 8	22 15.06	−15 7.2	1.966	2.766	14.7	20.2
515803 2015 MK_9			8 31.1 9°.04		2°.2/28.8 18	
7 30	22 56.43	− 9 42.2	1.657	2.558	13.1	20.9
8 9	22 52.49	−11 10.8	1.598	2.558	9.2	20.7
8 19	22 46.68	−12 50.3	1.563	2.559	5.1	20.4
8 29	22 39.70	−14 32.2	1.554	2.561	2.2	20.3
9 8	22 32.51	−16 7.5	1.572	2.563	5.2	20.5
9 18	22 26.07	−17 28.0	1.616	2.565	9.3	20.7
9 28	22 21.29	−18 28.3	1.684	2.567	13.1	20.9
10 8	22 18.74	−19 6.5	1.772	2.570	16.2	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
439420 2013 CZ_{150}			8 31.1 342°.39		2°.2/29.6 18	
	h m	° ′			°	m
7 30	23 1.57	−13 25.2	1.577	2.478	13.6	19.9
8 9	22 56.31	−13 37.1	1.510	2.470	9.7	19.7
8 19	22 48.89	−13 53.1	1.466	2.462	5.5	19.4
8 29	22 40.10	−14 8.0	1.447	2.454	2.2	19.2
9 8	22 31.05	−14 16.5	1.454	2.447	5.0	19.4
9 18	22 22.89	−14 14.5	1.486	2.442	9.3	19.6
9 28	22 16.63	−13 59.7	1.542	2.436	13.4	19.8
10 8	22 12.92	−13 31.6	1.617	2.432	16.8	20.1
99075 2001 FZ_{14}			8 31.1 10°.63		0°.2/30.9 18	
7 30	23 0.48	− 7 29.8	1.610	2.501	13.9	19.1
8 9	22 55.41	− 7 53.2	1.549	2.502	10.1	18.9
8 19	22 48.32	− 8 27.2	1.509	2.503	5.6	18.6
8 29	22 39.99	− 9 6.8	1.495	2.504	0.9	18.3
9 8	22 31.46	− 9 45.8	1.507	2.506	3.9	18.5
9 18	22 23.79	−10 18.9	1.545	2.508	8.4	18.8
9 28	22 17.92	−10 41.3	1.608	2.511	12.4	19.1
10 8	22 14.46	−10 50.6	1.691	2.513	15.8	19.3
324721 2007 ES_{144}			8 31.1 291°.79		2°.7/28.7 17	
7 30	23 1.53	−15 46.7	2.101	2.994	11.1	21.2
8 9	22 55.89	−16 12.6	2.027	2.982	7.9	21.0
8 19	22 48.51	−16 40.2	1.977	2.970	4.7	20.7
8 29	22 40.03	−17 4.9	1.954	2.958	2.7	20.6
9 8	22 31.32	−17 21.8	1.960	2.946	4.9	20.7
9 18	22 23.26	−17 27.6	1.992	2.934	8.3	20.9
9 28	22 16.68	−17 20.3	2.050	2.922	11.5	21.1
10 8	22 12.15	−16 59.7	2.129	2.911	14.4	21.3
199186 2005 YF_{267}			8 31.1 47°.44		3°.6/28.2 18	
7 30	23 0.72	−14 20.0	1.442	2.350	14.2	19.9
8 9	22 55.67	−15 24.3	1.398	2.361	10.0	19.6
8 19	22 48.47	−16 33.1	1.377	2.373	5.8	19.4
8 29	22 40.01	−17 37.8	1.381	2.384	3.6	19.3
9 8	22 31.50	−18 30.2	1.410	2.397	6.4	19.5
9 18	22 24.06	−19 4.7	1.464	2.409	10.5	19.8
9 28	22 18.67	−19 18.7	1.541	2.422	14.2	20.1
10 8	22 15.86	−19 12.6	1.636	2.435	17.3	20.3
24108 1999 VL_{20}			8 31.1 307°.03		4°.9/ 3.1 18	
7 30	23 2.77	+ 2 5.3	1.582	2.440	15.9	18.2
8 9	22 57.49	+ 2 45.8	1.488	2.413	12.6	17.9
8 19	22 49.78	+ 3 10.6	1.414	2.386	8.8	17.6
8 29	22 40.31	+ 3 19.0	1.364	2.359	5.5	17.4
9 8	22 30.14	+ 3 12.5	1.339	2.332	5.5	17.3
9 18	22 20.49	+ 2 54.9	1.340	2.306	9.0	17.5
9 28	22 12.62	+ 2 32.0	1.365	2.280	13.3	17.6
10 8	22 7.44	+ 2 9.9	1.410	2.255	17.2	17.8
315091 2007 DL_{90}			8 31.1 67°.73		0°.8/30.2 18	
7 30	22 56.69	− 7 38.3	2.146	3.031	11.2	20.2
8 9	22 52.29	− 8 38.7	2.086	3.037	8.0	20.0
8 19	22 46.41	− 9 48.1	2.049	3.043	4.4	19.8
8 29	22 39.66	−11 1.3	2.040	3.050	0.9	19.5
9 8	22 32.77	−12 12.1	2.060	3.056	3.5	19.7
9 18	22 26.49	−13 15.1	2.107	3.062	7.1	20.0
9 28	22 21.51	−14 5.9	2.180	3.069	10.3	20.2
10 8	22 18.32	−14 42.1	2.276	3.075	13.0	20.4
477009 2008 YH_{146}			8 31.1 231°.77		1°.1/30.0 18	
7 30	22 59.15	− 8 39.0	1.957	2.844	12.0	21.9
8 9	22 54.25	− 9 32.3	1.886	2.839	8.6	21.6
8 19	22 47.62	−10 35.0	1.840	2.834	4.7	21.4
8 29	22 39.88	−11 41.6	1.820	2.829	1.2	21.1
9 8	22 31.91	−12 45.6	1.829	2.824	3.9	21.3
9 18	22 24.58	−13 41.3	1.864	2.818	7.9	21.6
9 28	22 18.72	−14 23.9	1.925	2.813	11.5	21.8
10 8	22 14.91	−14 51.2	2.008	2.807	14.5	22.0
201509 2003 OP_5			8 31.1 19°.86		7°.8/ 5.4 18	
7 30	23 2.42	+ 7 56.8	1.362	2.205	18.8	18.8
8 9	22 57.13	+ 9 1.2	1.304	2.211	15.4	18.6
8 19	22 49.44	+ 9 41.4	1.264	2.217	11.7	18.5
8 29	22 40.22	+ 9 55.5	1.247	2.225	8.7	18.3
9 8	22 30.73	+ 9 45.1	1.252	2.233	8.0	18.3
9 18	22 22.24	+ 9 15.3	1.282	2.242	10.0	18.4
9 28	22 15.89	+ 8 34.2	1.334	2.251	13.3	18.7
10 8	22 12.38	+ 7 50.4	1.406	2.262	16.6	18.9
193680 2001 EX_1			8 31.1 243°.53		5°.7/25.7 18	
7 30	23 4.36	−23 34.9	2.005	2.899	11.4	20.1
8 9	22 58.07	−24 31.7	1.939	2.888	8.7	19.9
8 19	22 49.80	−25 24.8	1.897	2.875	6.3	19.8
8 29	22 40.28	−26 7.0	1.882	2.863	5.9	19.7
9 8	22 30.50	−26 32.4	1.893	2.850	7.8	19.8
9 18	22 21.50	−26 37.7	1.931	2.837	10.7	20.0
9 28	22 14.21	−26 22.0	1.992	2.823	13.5	20.1
10 8	22 9.25	−25 47.3	2.073	2.809	16.1	20.3

476669 2008 TN_{33} 8 31.1 170°.23 2°.1/29.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 1.78	−12 23.0	2.048	2.936	11.5	21.7
8 9	22 56.01	−13 11.1	1.986	2.939	8.2	21.5
8 19	22 48.55	−14 4.3	1.948	2.942	4.6	21.3
8 29	22 40.05	−14 57.1	1.938	2.944	2.1	21.1
9 8	22 31.40	−15 43.6	1.956	2.946	4.5	21.3
9 18	22 23.47	−16 19.4	2.002	2.947	8.0	21.5
9 28	22 17.04	−16 41.4	2.073	2.948	11.3	21.7
10 8	22 12.67	−16 48.5	2.165	2.948	14.1	21.9

11167 Kunžak 8 31.1 289°.85 0°.6/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.71	− 6 21.4	1.382	2.279	15.4	18.1
8 9	22 55.35	− 7 16.3	1.307	2.264	11.2	17.9
8 19	22 48.55	− 8 28.1	1.253	2.248	6.3	17.5
8 29	22 40.10	− 9 50.1	1.224	2.233	1.1	17.1
9 8	22 31.14	−11 12.8	1.220	2.218	4.7	17.4
9 18	22 22.98	−12 26.7	1.241	2.203	10.0	17.6
9 28	22 16.83	−13 24.1	1.284	2.189	14.8	17.9
10 8	22 13.49	−14 0.7	1.347	2.174	18.9	18.1

44701 1999 SD_{7} 8 31.1 132°.04 4°.8/27.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.53	−16 57.1	1.467	2.373	14.1	17.6
8 9	22 57.80	−18 11.5	1.417	2.378	10.1	17.4
8 19	22 49.74	−19 28.3	1.390	2.382	6.3	17.2
8 29	22 40.28	−20 38.0	1.388	2.386	4.8	17.1
9 8	22 30.65	−21 32.0	1.412	2.390	7.5	17.3
9 18	22 22.11	−22 4.6	1.460	2.394	11.4	17.5
9 28	22 15.71	−22 13.7	1.531	2.397	15.1	17.8
10 8	22 12.07	−22 0.7	1.620	2.401	18.2	18.0

137929 2000 BG_{26} 8 31.1 138°.32 1°.7/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.54	−10 46.1	1.757	2.646	13.1	20.4
8 9	22 57.43	−11 33.8	1.702	2.655	9.3	20.2
8 19	22 49.39	−12 28.5	1.670	2.664	5.1	20.0
8 29	22 40.21	−13 24.0	1.665	2.673	1.8	19.8
9 8	22 30.91	−14 13.8	1.688	2.681	4.6	20.0
9 18	22 22.51	−14 52.4	1.738	2.689	8.6	20.2
9 28	22 15.90	−15 16.4	1.812	2.696	12.3	20.5
10 8	22 11.64	−15 24.7	1.908	2.702	15.3	20.7

299191 2005 GZ_{136} 8 31.1 214°.48 2°.9/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.86	+ 3 52.0	2.159	2.999	12.9	20.8
8 9	22 53.21	+ 3 14.5	2.078	2.995	9.9	20.6
8 19	22 47.01	+ 2 19.2	2.019	2.990	6.7	20.4
8 29	22 39.81	+ 1 8.8	1.987	2.985	3.6	20.2
9 8	22 32.36	− 0 11.8	1.983	2.980	3.4	20.2
9 18	22 25.46	− 1 36.2	2.007	2.974	6.4	20.4
9 28	22 19.83	− 2 57.7	2.058	2.968	9.7	20.6
10 8	22 16.04	− 4 10.6	2.133	2.962	12.8	20.8

210413 2007 XL_{4} 8 31.1 328°.45 3°.5/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.93	−14 44.5	1.677	2.581	12.7	19.7
8 9	22 54.36	−15 46.7	1.614	2.575	9.1	19.5
8 19	22 47.78	−16 53.8	1.574	2.569	5.3	19.3
8 29	22 39.95	−17 58.5	1.560	2.563	3.5	19.1
9 8	22 31.87	−18 53.1	1.573	2.557	6.1	19.3
9 18	22 24.57	−19 31.8	1.611	2.552	9.9	19.5
9 28	22 19.01	−19 51.3	1.672	2.547	13.6	19.7
10 8	22 15.81	−19 51.1	1.752	2.543	16.6	19.9

237849 2002 GS_{41} 8 31.1 87°.84 0°.4/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.21	− 9 19.3	3.113	3.987	8.4	20.1
8 9	22 52.23	− 9 35.6	3.053	4.000	6.0	20.0
8 19	22 46.23	− 9 55.9	3.020	4.012	3.3	19.8
8 29	22 39.65	−10 17.9	3.015	4.024	0.6	19.6
9 8	22 33.03	−10 38.6	3.040	4.037	2.4	19.8
9 18	22 26.86	−10 55.7	3.094	4.049	5.1	20.0
9 28	22 21.64	−11 7.0	3.176	4.061	7.5	20.2
10 8	22 17.73	−11 11.4	3.281	4.073	9.6	20.4

310302 2011 UX_{95} 8 31.1 338°.67 0°.7/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.10	− 8 17.0	1.711	2.603	13.2	20.6
8 9	22 54.40	− 8 49.9	1.644	2.599	9.5	20.4
8 19	22 47.78	− 9 32.7	1.600	2.594	5.3	20.1
8 29	22 39.95	−10 20.2	1.581	2.591	1.0	19.8
9 8	22 31.89	−11 6.3	1.589	2.587	3.9	20.0
9 18	22 24.57	−11 45.2	1.623	2.584	8.3	20.3
9 28	22 18.92	−12 12.5	1.682	2.581	12.2	20.5
10 8	22 15.54	−12 25.5	1.761	2.578	15.5	20.7

291408 2006 DK_{3} 8 31.1 93°.55 1°.1/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.02	− 3 57.7	1.793	2.665	13.7	20.6
8 9	22 56.95	− 4 12.9	1.740	2.681	10.0	20.4
8 19	22 49.07	− 4 40.0	1.710	2.698	5.9	20.2
8 29	22 40.17	− 5 15.2	1.707	2.714	1.8	19.9
9 8	22 31.21	− 5 53.4	1.730	2.730	3.2	20.1
9 18	22 23.14	− 6 29.4	1.782	2.746	7.3	20.4
9 28	22 16.80	− 6 58.8	1.858	2.762	11.0	20.6
10 8	22 12.69	− 7 18.4	1.957	2.777	14.1	20.9

284421 2006 XM_{38} 8 31.1 246°.58 0°.4/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 2.53	− 7 24.2	1.728	2.612	13.5	21.6
8 9	22 56.97	− 7 57.8	1.649	2.600	9.8	21.3
8 19	22 49.31	− 8 42.5	1.594	2.587	5.5	21.0
8 29	22 40.25	− 9 33.5	1.565	2.575	0.9	20.7
9 8	22 30.81	−10 24.2	1.563	2.561	3.9	20.9
9 18	22 22.07	−11 8.7	1.588	2.548	8.5	21.1
9 28	22 15.05	−11 41.7	1.638	2.534	12.6	21.3
10 8	22 10.45	−12 0.4	1.709	2.520	16.2	21.5

66579 1999 RK_{154} 8 31.1 313°.79 1°.3/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.07	− 4 21.0	1.499	2.386	15.0	18.6
8 9	22 55.48	− 4 28.1	1.418	2.367	11.2	18.3
8 19	22 48.60	− 4 49.5	1.359	2.349	6.7	18.0
8 29	22 40.14	− 5 21.8	1.323	2.331	2.0	17.7
9 8	22 31.19	− 5 59.6	1.313	2.314	3.8	17.8
9 18	22 22.95	− 6 36.5	1.328	2.297	8.8	18.0
9 28	22 16.57	− 7 6.5	1.367	2.280	13.4	18.2
10 8	22 12.82	− 7 25.1	1.425	2.265	17.4	18.5

265551 2005 OG_{21} 8 31.1 34°.57 2°.9/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.89	−10 42.5	1.338	2.247	15.0	19.6
8 9	22 54.59	−12 9.0	1.288	2.251	10.6	19.4
8 19	22 48.00	−13 46.4	1.259	2.256	5.9	19.1
8 29	22 40.01	−15 24.8	1.255	2.262	2.9	19.0
9 8	22 31.82	−16 53.2	1.277	2.267	6.2	19.2
9 18	22 24.65	−18 3.0	1.323	2.273	10.8	19.5
9 28	22 19.57	−18 49.1	1.391	2.280	14.9	19.7
10 8	22 17.18	−19 10.5	1.478	2.286	18.4	20.0

349240 2007 TV_{86} 8 31.1 145°.60 0°.8/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.90	− 8 28.4	2.125	3.007	11.4	21.1
8 9	22 54.61	− 9 13.8	2.063	3.013	8.1	20.9
8 19	22 47.75	−10 7.2	2.025	3.018	4.5	20.7
8 29	22 39.95	−11 3.6	2.015	3.024	1.0	20.5
9 8	22 32.01	−11 57.6	2.033	3.029	3.5	20.7
9 18	22 24.74	−12 44.4	2.079	3.034	7.2	20.9
9 28	22 18.87	−13 20.0	2.151	3.038	10.5	21.1
10 8	22 14.89	−13 42.4	2.246	3.042	13.2	21.3

417886 2007 RF_{6} 8 31.1 15°.36 4°.1/ 2.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.26	− 1 14.6	0.929	1.832	20.5	19.8
8 9	22 56.92	− 0 40.5	0.883	1.836	15.6	19.5
8 19	22 49.55	− 0 28.5	0.853	1.841	10.1	19.2
8 29	22 40.29	− 0 37.0	0.844	1.848	5.0	19.0
9 8	22 30.82	− 1 0.1	0.856	1.856	5.5	19.0
9 18	22 22.77	− 1 29.7	0.889	1.865	10.6	19.4
9 28	22 17.53	− 1 57.3	0.942	1.876	15.7	19.7
10 8	22 15.77	− 2 16.0	1.013	1.887	20.1	20.0

15152 2000 FJ_{5} 8 31.1 232°.80 1°.7/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.47	−10 55.7	2.496	3.378	9.9	19.1
8 9	22 54.27	−11 58.5	2.412	3.363	7.1	18.9
8 19	22 47.59	−13 8.1	2.354	3.348	3.9	18.6
8 29	22 39.94	−14 19.6	2.325	3.331	1.7	18.5
9 8	22 32.00	−15 27.4	2.325	3.314	3.9	18.6
9 18	22 24.50	−16 26.5	2.354	3.297	7.2	18.8
9 28	22 18.16	−17 13.2	2.409	3.278	10.2	18.9
10 8	22 13.50	−17 45.4	2.488	3.259	12.8	19.1

491282 2011 UO_{402} 8 31.1 237°.48 2°.8/25.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 52.25	−22 9.6	4.376	5.267	5.8	21.2
8 9	22 48.59	−23 0.4	4.316	5.264	4.3	21.1
8 19	22 44.18	−23 49.7	4.283	5.262	3.1	21.0
8 29	22 39.31	−24 34.7	4.279	5.260	2.9	21.0
9 8	22 34.36	−25 12.9	4.305	5.258	3.9	21.0
9 18	22 29.68	−25 42.3	4.358	5.255	5.4	21.1
9 28	22 25.63	−26 1.7	4.437	5.253	6.9	21.3
10 8	22 22.51	−26 10.8	4.539	5.251	8.2	21.4

108651 2001 NH_{16} 8 31.1 339°.80 0°.5/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.61	− 6 43.3	1.101	2.015	17.0	19.0
8 9	22 52.74	− 7 23.3	1.036	2.001	12.4	18.7
8 19	22 47.23	− 8 21.5	0.990	1.987	7.0	18.4
8 29	22 39.91	− 9 30.8	0.965	1.975	1.2	18.0
9 8	22 32.12	−10 41.0	0.964	1.964	5.1	18.2
9 18	22 25.30	−11 41.9	0.984	1.954	10.9	18.5
9 28	22 20.78	−12 25.2	1.025	1.946	16.1	18.8
10 8	22 19.36	−12 46.5	1.084	1.939	20.5	19.0

147626 2004 HF_{44} 8 31.1 4°.63 1°.5/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.92	−11 22.7	1.706	2.602	13.0	19.5
8 9	22 55.67	−11 43.0	1.645	2.602	9.3	19.3
8 19	22 48.47	−12 9.2	1.607	2.602	5.2	19.0
8 29	22 40.09	−12 36.5	1.594	2.603	1.6	18.8
9 8	22 31.55	−12 59.3	1.609	2.604	4.4	19.0
9 18	22 23.85	−13 13.5	1.649	2.606	8.5	19.3
9 28	22 17.90	−13 15.9	1.714	2.608	12.3	19.5
10 8	22 14.27	−13 5.5	1.799	2.611	15.5	19.7

429676 2011 HZ_2 8 31.1 190°.11 1°.9/29.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 58.75	− 8 53.6	1.623	2.519	13.5	20.7
8 9	22 54.24	−10 16.8	1.561	2.519	9.6	20.5
8 19	22 47.74	−11 52.0	1.523	2.519	5.3	20.3
8 29	22 39.98	−13 30.9	1.511	2.519	1.9	20.0
9 8	22 31.97	−15 4.3	1.526	2.519	5.0	20.2
9 18	22 24.76	−16 23.9	1.568	2.519	9.3	20.5
9 28	22 19.29	−17 24.0	1.633	2.519	13.3	20.7
10 8	22 16.17	−18 2.4	1.719	2.519	16.5	21.0

187355 2005 US_{229} 8 31.1 140°.62 1°.8/ 2.2 18

7 30	22 57.84	− 0 18.9	2.404	3.256	11.3	20.9
8 9	22 53.00	− 0 45.6	2.333	3.262	8.5	20.7
8 19	22 46.81	− 1 24.5	2.287	3.267	5.3	20.5
8 29	22 39.80	− 2 13.0	2.268	3.272	2.3	20.3
9 8	22 32.65	− 3 6.7	2.278	3.277	2.7	20.4
9 18	22 26.04	− 4 1.2	2.316	3.282	5.8	20.6
9 28	22 20.60	− 4 51.7	2.381	3.286	8.8	20.8
10 8	22 16.81	− 5 34.6	2.471	3.290	11.5	21.0

79704 1998 SF_{90} 8 31.1 70°.96 0°.9/31.8 17 R

7 30	23 4.62	− 5 25.0	1.423	2.308	15.8	18.7
8 9	22 58.52	− 5 30.1	1.370	2.318	11.5	18.5
8 19	22 50.14	− 5 48.0	1.338	2.329	6.7	18.3
8 29	22 40.40	− 6 14.5	1.331	2.339	1.7	18.0
9 8	22 30.55	− 6 43.6	1.349	2.349	3.9	18.2
9 18	22 21.81	− 7 9.8	1.394	2.360	8.7	18.5
9 28	22 15.21	− 7 28.1	1.462	2.371	13.0	18.8
10 8	22 11.35	− 7 35.5	1.550	2.381	16.6	19.0

148131 1999 TO_{250} 8 31.1 71°.86 0°.0/31.1 18

7 30	23 1.65	− 8 12.2	2.147	3.024	11.5	19.4
8 9	22 55.84	− 8 18.2	2.080	3.027	8.3	19.2
8 19	22 48.45	− 8 30.9	2.038	3.030	4.7	19.0
8 29	22 40.10	− 8 47.0	2.024	3.033	0.8	18.7
9 8	22 31.61	− 9 2.9	2.038	3.036	3.1	18.9
9 18	22 23.81	− 9 15.1	2.079	3.039	6.8	19.1
9 28	22 17.43	− 9 20.8	2.147	3.042	10.1	19.3
10 8	22 12.99	− 9 18.2	2.238	3.045	12.9	19.5

183541 2003 HV_{22} 8 31.1 158°.25 2°.1/29.1 18

7 30	23 2.04	−14 19.4	2.277	3.164	10.6	20.6
8 9	22 56.06	−14 45.5	2.215	3.167	7.5	20.4
8 19	22 48.54	−15 13.9	2.177	3.170	4.3	20.2
8 29	22 40.11	−15 40.4	2.167	3.172	2.1	20.0
9 8	22 31.57	−16 0.6	2.186	3.175	4.2	20.2
9 18	22 23.71	−16 11.5	2.233	3.177	7.4	20.4
9 28	22 17.25	−16 11.2	2.306	3.179	10.4	20.6
10 8	22 12.67	−15 59.2	2.401	3.180	13.0	20.8

388986 2008 UW_{64} 8 31.1 336°.44 3°.0/ 2.3 18

7 30	22 59.80	− 0 44.2	1.416	2.295	16.2	20.5
8 9	22 55.30	− 0 36.3	1.345	2.286	12.3	20.3
8 19	22 48.49	− 0 46.0	1.293	2.277	7.9	20.0
8 29	22 40.15	− 1 11.1	1.266	2.269	3.8	19.7
9 8	22 31.43	− 1 47.0	1.263	2.262	4.3	19.8
9 18	22 23.52	− 2 27.1	1.284	2.256	8.7	20.0
9 28	22 17.57	− 3 4.5	1.329	2.250	13.1	20.2
10 8	22 14.32	− 3 33.5	1.394	2.245	17.0	20.5

283172 2009 FV_{26} 8 31.1 27°.13 3°.9/28.5 17

7 30	23 1.39	−13 35.5	1.092	2.011	16.8	20.3
8 9	22 56.72	−14 36.0	1.049	2.017	11.9	20.1
8 19	22 49.32	−15 43.6	1.026	2.024	6.8	19.8
8 29	22 40.28	−16 47.9	1.026	2.031	3.9	19.7
9 8	22 31.12	−17 38.6	1.048	2.039	7.2	19.9
9 18	22 23.31	−18 8.6	1.094	2.047	12.1	20.2
9 28	22 18.06	−18 14.8	1.159	2.057	16.6	20.5
10 8	22 15.97	−17 58.1	1.242	2.066	20.3	20.8

130619 2000 SY_{36} 8 31.1 289°.42 2°.5/29.2 18

7 30	23 2.37	−12 53.3	1.611	2.509	13.5	19.8
8 9	22 57.02	−13 29.1	1.536	2.495	9.7	19.6
8 19	22 49.41	−14 11.3	1.484	2.480	5.5	19.3
8 29	22 40.32	−14 53.6	1.458	2.465	2.5	19.0
9 8	22 30.84	−15 29.0	1.458	2.450	5.4	19.2
9 18	22 22.13	−15 52.0	1.484	2.435	9.8	19.4
9 28	22 15.30	−15 59.2	1.533	2.420	13.9	19.6
10 8	22 11.05	−15 49.4	1.602	2.406	17.4	19.8

27006 1998 EX_7 8 31.1 295°.03 2°.6/ 1.9 18

7 30	23 1.05	− 1 3.2	1.342	2.223	16.8	18.2
8 9	22 56.43	− 1 12.0	1.263	2.207	12.8	17.9
8 19	22 49.26	− 1 40.6	1.205	2.191	8.1	17.6
8 29	22 40.32	− 2 26.3	1.169	2.175	3.4	17.3
9 8	22 30.80	− 3 22.8	1.158	2.159	4.3	17.3
9 18	22 22.06	− 4 22.0	1.172	2.143	9.3	17.5
9 28	22 15.40	− 5 15.6	1.209	2.128	14.3	17.8
10 8	22 11.67	− 5 56.9	1.265	2.113	18.6	18.0

481664 2007 VV_{298} 8 31.1 343°.28 6°.1/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 48.24	−14 13.9	1.048	1.985	15.5	19.6
8 9	22 47.56	−16 30.5	0.984	1.961	11.1	19.3
8 19	22 44.38	−19 3.4	0.941	1.939	7.1	19.0
8 29	22 39.45	−21 37.2	0.921	1.919	6.5	18.9
9 8	22 34.02	−23 53.8	0.922	1.901	10.3	19.1
9 18	22 29.48	−25 38.6	0.945	1.885	15.2	19.3
9 28	22 27.17	−26 43.3	0.986	1.872	19.8	19.5
10 8	22 27.92	−27 6.7	1.042	1.861	23.7	19.8

71910 2000 WJ_{41} 8 31.1 211°.76 0°.2/30.9 18

7 30	23 2.05	− 5 29.6	1.823	2.700	13.2	20.2
8 9	22 56.52	− 6 25.1	1.747	2.693	9.6	20.0
8 19	22 49.03	− 7 34.1	1.695	2.686	5.4	19.7
8 29	22 40.25	− 8 51.1	1.669	2.679	0.9	19.4
9 8	22 31.15	−10 8.7	1.672	2.670	3.7	19.6
9 18	22 22.72	−11 19.9	1.702	2.661	8.1	19.8
9 28	22 15.91	−12 18.7	1.758	2.651	12.1	20.1
10 8	22 11.37	−13 1.3	1.835	2.640	15.5	20.3

477856 2011 GC_{49} 8 31.1 62°.04 3°.9/28.4 16

7 30	23 5.21	−16 34.4	1.473	2.376	14.2	21.5
8 9	22 58.79	−17 12.5	1.434	2.394	10.2	21.3
8 19	22 50.20	−17 51.4	1.418	2.411	6.0	21.1
8 29	22 40.42	−18 23.7	1.427	2.429	3.9	21.1
9 8	22 30.72	−18 43.3	1.462	2.447	6.4	21.3
9 18	22 22.26	−18 46.6	1.522	2.465	10.3	21.5
9 28	22 15.98	−18 32.7	1.605	2.484	13.9	21.8
10 8	22 12.38	−18 2.9	1.708	2.502	16.9	22.1

4149 Harrison 8 31.1 92°.04 0°.4/30.7 18 R

7 30	22 58.73	− 5 5.5	1.797	2.679	13.2	16.6
8 9	22 53.97	− 6 21.4	1.742	2.692	9.4	16.4
8 19	22 47.48	− 7 50.4	1.712	2.705	5.2	16.2
8 29	22 39.96	− 9 25.7	1.708	2.717	0.9	15.9
9 8	22 32.33	−10 59.2	1.732	2.730	3.7	16.1
9 18	22 25.48	−12 23.4	1.784	2.743	7.8	16.4
9 28	22 20.21	−13 32.4	1.861	2.755	11.5	16.7
10 8	22 17.04	−14 23.3	1.960	2.767	14.5	16.9

483780 2005 UD_{381} 8 31.1 274°.30 2°.1/ 2.5 17

7 30	22 57.79	+ 0 34.5	2.331	3.181	11.7	22.9
8 9	22 53.20	+ 0 9.6	2.234	3.160	8.9	22.6
8 19	22 47.07	− 0 29.5	2.160	3.138	5.7	22.4
8 29	22 39.91	− 1 20.5	2.113	3.116	2.7	22.2
9 8	22 32.41	− 2 19.4	2.095	3.094	3.0	22.2
9 18	22 25.31	− 3 21.1	2.105	3.071	6.2	22.3
9 28	22 19.36	− 4 20.2	2.141	3.048	9.6	22.5
10 8	22 15.13	− 5 12.2	2.202	3.025	12.6	22.7

43547 2001 FU_{10} 8 31.1 356°.15 4°.4/ 5.9 18

7 30	22 54.52	+ 9 57.4	2.078	2.894	14.1	18.4
8 9	22 50.89	+ 9 6.2	1.997	2.892	11.4	18.2
8 19	22 45.75	+ 7 51.2	1.939	2.891	8.3	18.0
8 29	22 39.67	+ 6 14.9	1.905	2.890	5.5	17.8
9 8	22 33.37	+ 4 22.8	1.899	2.890	4.5	17.8
9 18	22 27.63	+ 2 22.8	1.922	2.890	6.6	17.9
9 28	22 23.17	+ 0 23.5	1.971	2.890	9.6	18.1
10 8	22 20.51	− 1 27.0	2.046	2.890	12.6	18.3

476566 2008 RC_4 8 31.1 332°.77 1°.5/ 1.2 16

7 30	22 54.87	− 3 25.2	1.146	2.051	17.2	21.2
8 9	22 52.27	− 3 42.3	1.067	2.026	12.9	20.8
8 19	22 47.06	− 4 20.3	1.008	2.001	7.8	20.5
8 29	22 39.96	− 5 15.1	0.970	1.978	2.4	20.1
9 8	22 32.22	− 6 19.1	0.954	1.956	4.4	20.1
9 18	22 25.25	− 7 22.5	0.961	1.936	10.2	20.4
9 28	22 20.46	− 8 15.7	0.989	1.918	15.7	20.6
10 8	22 18.78	− 8 51.5	1.034	1.901	20.4	20.9

72055 2000 YF_8 8 31.1 256°.82 1°.0/30.3 18

7 30	23 2.06	− 7 57.5	1.545	2.436	14.4	19.5
8 9	22 56.88	− 8 46.4	1.469	2.423	10.4	19.2
8 19	22 49.39	− 9 48.3	1.416	2.410	5.8	18.9
8 29	22 40.35	−10 56.9	1.388	2.397	1.2	18.6
9 8	22 30.88	−12 3.9	1.386	2.383	4.6	18.8
9 18	22 22.16	−13 1.8	1.410	2.369	9.5	19.0
9 28	22 15.33	−13 44.5	1.458	2.355	13.9	19.3
10 8	22 11.15	−14 8.9	1.526	2.340	17.7	19.5

282774 2006 JA_{49} 8 31.1 184°.38 2°.5/28.1 17 R

7 30	23 0.05	−12 50.8	2.250	3.139	10.6	20.6
8 9	22 54.75	−14 10.5	2.185	3.139	7.5	20.4
8 19	22 47.89	−15 35.9	2.146	3.139	4.3	20.2
8 29	22 40.06	−17 0.4	2.135	3.138	2.6	20.1
9 8	22 32.02	−18 17.5	2.153	3.137	4.8	20.3
9 18	22 24.56	−19 21.9	2.200	3.135	8.0	20.5
9 28	22 18.44	−20 9.8	2.272	3.132	11.1	20.7
10 8	22 14.18	−20 40.2	2.366	3.129	13.6	20.8

265544 2005 OU_5 8 31.1 101°66 2°5/ 1.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 5.51	− 1 52.8	1.568	2.435	15.5	20.6
8 9	22 59.05	− 1 43.0	1.509	2.445	11.6	20.3
8 19	22 50.43	− 1 47.9	1.472	2.455	7.2	20.1
8 29	22 40.51	− 2 5.0	1.460	2.464	3.1	19.9
9 8	22 30.44	− 2 29.6	1.475	2.474	3.9	20.0
9 18	22 21.37	− 2 56.7	1.516	2.483	8.1	20.2
9 28	22 14.29	− 3 20.7	1.582	2.492	12.1	20.5
10 8	22 9.81	− 3 37.6	1.669	2.501	15.6	20.8

448412 2009 SS_{109} 8 31.1 321°44 1°6/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 54.86	− 0 37.7	1.895	2.765	13.1	20.7
8 9	22 51.35	− 1 22.4	1.807	2.746	9.8	20.4
8 19	22 46.13	− 2 24.6	1.742	2.728	6.1	20.2
8 29	22 39.77	− 3 40.4	1.703	2.710	2.3	19.9
9 8	22 33.05	− 5 3.9	1.691	2.692	3.1	19.9
9 18	22 26.85	− 6 27.7	1.706	2.674	7.2	20.1
9 28	22 22.01	− 7 44.6	1.746	2.658	11.1	20.3
10 8	22 19.15	− 8 49.0	1.809	2.642	14.5	20.5

389616 2011 HD_{58} 8 31.1 10°22 11°5/21.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.71	−31 54.2	1.265	2.176	15.5	19.4
8 9	22 56.98	−33 36.7	1.234	2.177	13.0	19.3
8 19	22 49.47	−35 3.2	1.223	2.180	11.6	19.2
8 29	22 40.35	−36 1.2	1.234	2.184	12.0	19.3
9 8	22 31.15	−36 22.9	1.266	2.188	14.0	19.4
9 18	22 23.39	−36 6.7	1.319	2.194	16.7	19.6
9 28	22 18.22	−35 16.0	1.389	2.200	19.4	19.8
10 8	22 16.23	−33 57.5	1.474	2.207	21.7	20.0

343944 2011 KX_{23} 8 31.1 47°36 7°9/24.1 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.13	−24 27.3	1.440	2.353	13.9	19.8
8 9	22 56.11	−26 10.4	1.410	2.366	10.6	19.7
8 19	22 48.81	−27 46.4	1.402	2.379	8.3	19.6
8 29	22 40.22	−29 4.1	1.419	2.393	8.2	19.6
9 8	22 31.61	−29 55.6	1.459	2.408	10.4	19.8
9 18	22 24.18	−30 17.2	1.523	2.422	13.4	20.0
9 28	22 18.93	−30 9.7	1.606	2.437	16.3	20.2
10 8	22 16.39	−29 37.0	1.707	2.452	18.7	20.5

395293 2011 EA_{12} 8 31.1 309°42 13°2/16.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.10	−24 34.8	0.906	1.844	17.3	19.0
8 9	22 53.99	−29 7.7	0.864	1.829	14.1	18.8
8 19	22 48.41	−33 41.7	0.845	1.816	13.3	18.7
8 29	22 40.25	−37 45.9	0.849	1.802	15.5	18.8
9 8	22 31.24	−40 55.0	0.874	1.789	19.4	18.9
9 18	22 23.45	−42 57.1	0.916	1.777	23.4	19.2
9 28	22 18.78	−43 53.2	0.972	1.765	27.0	19.4
10 8	22 18.26	−43 52.7	1.036	1.754	29.9	19.6

129704 1998 SG_{124} 8 31.2 273°88 5°4/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.29	−25 44.0	2.456	3.343	9.9	19.6
8 9	22 57.12	−26 26.9	2.380	3.322	7.6	19.4
8 19	22 49.25	−27 4.9	2.329	3.301	5.8	19.3
8 29	22 40.32	−27 32.5	2.306	3.280	5.6	19.2
9 8	22 31.14	−27 45.0	2.310	3.259	7.1	19.3
9 18	22 22.56	−27 40.0	2.341	3.237	9.5	19.4
9 28	22 15.37	−27 16.9	2.397	3.215	12.0	19.6
10 8	22 10.15	−26 37.2	2.473	3.193	14.2	19.7

358439 2007 DL_{86} 8 31.2 40°79 1°3/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.66	− 4 40.6	1.814	2.689	13.4	19.8
8 9	22 55.99	− 4 35.2	1.761	2.704	9.8	19.6
8 19	22 48.58	− 4 40.2	1.732	2.720	5.8	19.4
8 29	22 40.19	− 4 52.9	1.729	2.736	1.9	19.2
9 8	22 31.74	− 5 9.2	1.752	2.753	3.2	19.3
9 18	22 24.16	− 5 25.0	1.803	2.769	7.1	19.6
9 28	22 18.24	− 5 36.6	1.879	2.787	10.7	19.9
10 8	22 14.48	− 5 41.2	1.978	2.804	13.7	20.1

242330 2003 YP_{33} 8 31.2 286°79 8°3/ 8.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.20	+15 57.5	1.891	2.671	16.6	20.1
8 9	22 53.86	+16 17.1	1.800	2.656	14.3	19.9
8 19	22 47.62	+16 10.7	1.728	2.642	11.7	19.7
8 29	22 40.06	+15 36.2	1.678	2.628	9.4	19.5
9 8	22 32.07	+14 35.3	1.652	2.613	8.3	19.5
9 18	22 24.61	+13 12.7	1.651	2.599	9.2	19.5
9 28	22 18.63	+11 36.6	1.675	2.585	11.6	19.6
10 8	22 14.83	+ 9 56.5	1.722	2.570	14.4	19.7

127337 2002 JK_{117} 8 31.2 16°96 1°0/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.25	− 8 14.6	1.728	2.624	12.9	19.4
8 9	22 52.29	− 9 4.1	1.673	2.630	9.2	19.2
8 19	22 46.59	−10 3.5	1.641	2.637	5.0	19.0
8 29	22 39.85	−11 6.9	1.635	2.644	1.1	18.7
9 8	22 32.97	−12 7.4	1.655	2.652	4.0	19.0
9 18	22 26.86	−12 59.0	1.701	2.661	8.1	19.2
9 28	22 22.32	−13 37.0	1.772	2.670	11.7	19.5
10 8	22 19.87	−13 59.2	1.863	2.680	14.8	19.7

321291 2009 FX_{22} 8 31.2 102°76 6°2/26.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 6.21	−20 34.2	1.384	2.291	14.7	20.2
8 9	22 59.84	−21 41.8	1.341	2.299	10.8	20.0
8 19	22 50.97	−22 46.8	1.319	2.307	7.3	19.8
8 29	22 40.64	−23 39.4	1.323	2.315	6.3	19.8
9 8	22 30.24	−24 11.6	1.351	2.322	8.7	20.0
9 18	22 21.14	−24 19.3	1.404	2.330	12.4	20.2
9 28	22 14.42	−24 2.5	1.478	2.337	15.9	20.5
10 8	22 10.67	−23 24.2	1.570	2.344	18.9	20.7

319241 2006 AE_{42} 8 31.2 305°03 3°5/ 3.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.17	+ 2 49.7	2.185	3.027	12.7	20.4
8 9	22 54.19	+ 2 59.2	2.104	3.021	9.9	20.2
8 19	22 47.63	+ 2 54.4	2.046	3.015	6.8	20.0
8 29	22 40.06	+ 2 36.4	2.014	3.008	4.1	19.8
9 8	22 32.23	+ 2 8.1	2.009	3.002	3.9	19.8
9 18	22 24.93	+ 1 33.4	2.031	2.996	6.5	19.9
9 28	22 18.92	+ 0 57.1	2.080	2.990	9.6	20.1
10 8	22 14.76	+ 0 23.8	2.152	2.985	12.5	20.3

159090 2004 TD_{288} 8 31.2 232°21 2°3/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.38	+ 1 12.6	2.516	3.361	11.1	20.0
8 9	22 52.72	+ 0 54.0	2.433	3.355	8.5	19.8
8 19	22 46.73	+ 0 22.8	2.375	3.350	5.5	19.7
8 29	22 39.89	− 0 19.1	2.343	3.343	2.8	19.5
9 8	22 32.84	− 1 8.1	2.340	3.337	2.9	19.5
9 18	22 26.25	− 1 59.8	2.365	3.331	5.7	19.6
9 28	22 20.75	− 2 49.8	2.417	3.324	8.6	19.8
10 8	22 16.83	− 3 34.1	2.494	3.318	11.3	20.0

270483 2002 EE_{63} 8 31.2 238°54 1°2/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.82	− 1 33.4	2.239	3.102	11.6	20.9
8 9	22 52.45	− 2 16.8	2.164	3.099	8.6	20.7
8 19	22 46.61	− 3 13.4	2.112	3.097	5.2	20.5
8 29	22 39.87	− 4 19.7	2.087	3.094	1.8	20.3
9 8	22 32.93	− 5 30.5	2.091	3.091	2.7	20.3
9 18	22 26.51	− 6 39.9	2.123	3.089	6.3	20.6
9 28	22 21.31	− 7 42.8	2.182	3.086	9.6	20.8
10 8	22 17.84	− 8 35.1	2.265	3.083	12.5	21.0

429489 2011 AD_{44} 8 31.2 180°18 1°9/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.72	−10 54.7	1.813	2.703	12.7	21.9
8 9	22 56.94	−11 47.9	1.750	2.704	9.0	21.7
8 19	22 49.24	−12 48.7	1.710	2.705	5.0	21.4
8 29	22 40.35	−13 50.6	1.698	2.705	1.9	21.2
9 8	22 31.24	−14 46.9	1.712	2.705	4.7	21.4
9 18	22 22.92	−15 31.9	1.754	2.704	8.7	21.7
9 28	22 16.30	−16 1.7	1.821	2.703	12.3	21.9
10 8	22 11.96	−16 15.0	1.909	2.701	15.4	22.1

159137 2004 XK_9 8 31.2 0°19 7°3/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.70	−21 2.1	0.943	1.879	17.0	17.6
8 9	22 53.78	−21 49.8	0.901	1.874	12.6	17.4
8 19	22 47.86	−22 34.0	0.877	1.870	8.7	17.2
8 29	22 40.12	−23 3.2	0.873	1.869	7.4	17.1
9 8	22 32.20	−23 8.1	0.890	1.871	10.3	17.3
9 18	22 25.71	−22 44.9	0.927	1.874	14.6	17.5
9 28	22 21.95	−21 54.1	0.982	1.880	18.8	17.8
10 8	22 21.51	−20 40.1	1.053	1.888	22.4	18.1

208711 2002 JG_{74} 8 31.2 51°29 18°5/14.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 8.99	−47 8.2	1.157	2.028	19.6	18.7
8 9	23 2.81	−49 47.2	1.169	2.050	18.6	18.8
8 19	22 52.87	−51 44.0	1.198	2.073	18.6	18.8
8 29	22 40.96	−52 47.4	1.244	2.096	19.4	19.0
9 8	22 29.44	−52 54.9	1.307	2.119	20.6	19.1
9 18	22 20.33	−52 11.8	1.384	2.143	22.0	19.3
9 28	22 14.90	−50 47.9	1.474	2.167	23.4	19.5
10 8	22 13.47	−48 54.0	1.574	2.191	24.4	19.7

186662 2003 YF_9 8 31.2 274°35 0°2/30.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.14	− 7 6.4	1.535	2.423	14.7	21.1
8 9	22 57.77	− 7 33.3	1.452	2.404	10.7	20.8
8 19	22 49.99	− 8 12.8	1.391	2.384	6.1	20.5
8 29	22 40.54	− 9 0.3	1.354	2.364	1.1	20.1
9 8	22 30.53	− 9 48.7	1.344	2.343	4.2	20.3
9 18	22 21.22	−10 31.3	1.360	2.323	9.3	20.5
9 28	22 13.81	−11 2.2	1.400	2.302	14.0	20.7
10 8	22 9.12	−11 17.9	1.459	2.281	17.9	20.9

485822 2012 DM_{60} 8 31.2 250°42 1°0/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.22	− 1 24.6	2.393	3.253	11.1	21.0
8 9	22 51.98	− 2 20.9	2.309	3.244	8.2	20.8
8 19	22 46.35	− 3 30.7	2.251	3.236	4.9	20.6
8 29	22 39.84	− 4 50.3	2.220	3.227	1.6	20.4
9 8	22 33.10	− 6 14.2	2.218	3.218	2.6	20.4
9 18	22 26.81	− 7 36.5	2.245	3.209	6.1	20.7
9 28	22 21.64	− 8 51.7	2.300	3.200	9.3	20.9
10 8	22 18.09	− 9 55.6	2.378	3.190	12.1	21.0

352964 2009 BG_{48} 8 31.2 300°.02 1°.3/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 59.41	− 9 18.0	1.700	2.594	13.1	21.5
8 9	22 54.77	−10 3.6	1.627	2.584	9.4	21.2
8 19	22 48.12	−10 59.2	1.578	2.573	5.2	21.0
8 29	22 40.18	−11 59.1	1.553	2.562	1.4	20.7
9 8	22 31.91	−12 56.1	1.556	2.552	4.4	20.9
9 18	22 24.34	−13 43.9	1.584	2.541	8.8	21.1
9 28	22 18.44	−14 17.6	1.637	2.531	12.8	21.3
10 8	22 14.87	−14 34.7	1.710	2.521	16.2	21.5

133012 2002 UT_{16} 8 31.2 330°.37 8°.1/20.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.73	−34 33.7	2.422	3.303	10.2	19.8
8 9	22 54.64	−35 58.4	2.382	3.300	8.8	19.7
8 19	22 47.89	−37 12.3	2.365	3.298	8.1	19.6
8 29	22 40.14	−38 8.5	2.375	3.295	8.5	19.7
9 8	22 32.23	−38 42.6	2.409	3.293	9.8	19.7
9 18	22 25.03	−38 52.4	2.466	3.291	11.6	19.9
9 28	22 19.32	−38 38.6	2.544	3.289	13.3	20.0
10 8	22 15.60	−38 3.9	2.639	3.287	14.8	20.1

73260 2002 JP_{46} 8 31.2 61°.21 2°.4/ 2.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.42	− 0 57.4	1.570	2.439	15.4	19.1
8 9	22 56.75	− 1 3.0	1.521	2.458	11.5	18.9
8 19	22 49.11	− 1 24.5	1.494	2.477	7.2	18.7
8 29	22 40.35	− 1 58.7	1.492	2.496	3.1	18.5
9 8	22 31.55	− 2 40.1	1.516	2.515	3.7	18.6
9 18	22 23.75	− 3 22.5	1.566	2.535	7.7	18.8
9 28	22 17.84	− 4 0.2	1.641	2.554	11.6	19.1
10 8	22 14.34	− 4 28.8	1.737	2.573	14.9	19.4

515977 2015 RT_{182} 8 31.2 337°.29 1°.8/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.68	−13 12.0	1.979	2.869	11.8	21.4
8 9	22 56.79	−13 26.8	1.913	2.866	8.4	21.2
8 19	22 49.13	−13 44.9	1.871	2.865	4.7	21.0
8 29	22 40.38	−14 2.1	1.856	2.863	1.9	20.8
9 8	22 31.48	−14 13.9	1.868	2.861	4.3	20.9
9 18	22 23.32	−14 17.0	1.908	2.860	7.9	21.1
9 28	22 16.74	−14 9.4	1.974	2.858	11.4	21.4
10 8	22 12.30	−13 50.3	2.061	2.857	14.3	21.6

14840 1988 RR_{11} 8 31.2 359°.35 1°.3/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.90	− 9 9.7	0.837	1.767	19.2	17.8
8 9	22 54.13	− 9 32.7	0.789	1.762	13.9	17.5
8 19	22 48.21	−10 11.0	0.759	1.759	7.8	17.2
8 29	22 40.26	−10 56.3	0.748	1.758	1.6	16.8
9 8	22 31.98	−11 37.8	0.758	1.758	5.9	17.1
9 18	22 25.11	−12 6.2	0.787	1.761	12.2	17.4
9 28	22 21.09	−12 15.4	0.835	1.765	17.7	17.8
10 8	22 20.65	−12 3.1	0.899	1.771	22.3	18.1

167288 2003 US_{189} 8 31.2 290°.93 1°.6/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.89	−10 15.2	1.755	2.649	12.8	19.7
8 9	22 55.04	−11 2.9	1.686	2.642	9.2	19.5
8 19	22 48.26	−11 59.3	1.641	2.636	5.1	19.2
8 29	22 40.25	−12 58.3	1.621	2.629	1.7	19.0
9 8	22 31.96	−13 53.2	1.628	2.623	4.5	19.1
9 18	22 24.40	−14 37.8	1.662	2.616	8.7	19.4
9 28	22 18.47	−15 8.0	1.720	2.610	12.5	19.6
10 8	22 14.82	−15 21.8	1.799	2.603	15.7	19.8

444251 2005 UX_{191} 8 31.2 312°.95 0°.1/31.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.46	− 6 23.2	1.852	2.737	12.7	21.6
8 9	22 54.01	− 6 47.1	1.768	2.718	9.3	21.3
8 19	22 47.71	− 7 22.0	1.708	2.700	5.3	21.1
8 29	22 40.16	− 8 4.1	1.673	2.682	1.0	20.7
9 8	22 32.25	− 8 47.9	1.665	2.665	3.4	20.9
9 18	22 24.91	− 9 28.0	1.684	2.648	7.7	21.1
9 28	22 19.05	− 9 59.4	1.727	2.631	11.7	21.3
10 8	22 15.34	−10 18.7	1.792	2.615	15.1	21.5

263298 2008 CZ_{11} 8 31.2 27°.58 1°.2/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.10	−10 42.2	1.868	2.758	12.3	20.6
8 9	22 55.71	−11 5.1	1.807	2.761	8.8	20.4
8 19	22 48.53	−11 34.0	1.770	2.764	4.9	20.2
8 29	22 40.29	−12 4.5	1.759	2.767	1.3	19.9
9 8	22 31.89	−12 31.3	1.775	2.771	4.0	20.1
9 18	22 24.28	−12 50.4	1.818	2.774	7.9	20.4
9 28	22 18.27	−12 58.7	1.886	2.778	11.4	20.6
10 8	22 14.41	−12 54.8	1.976	2.782	14.5	20.8

115027 2003 QV_{101} 8 31.2 328°.66 6°.8/24.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.83	−27 39.0	2.023	2.917	11.4	19.2
8 9	22 57.01	−28 25.6	1.965	2.909	8.9	19.0
8 19	22 49.28	−29 4.6	1.932	2.900	7.1	18.9
8 29	22 40.43	−29 29.4	1.924	2.892	6.9	18.8
9 8	22 31.42	−29 34.9	1.942	2.885	8.6	18.9
9 18	22 23.25	−29 19.0	1.984	2.878	11.1	19.1
9 28	22 16.80	−28 42.2	2.050	2.871	13.6	19.2
10 8	22 12.63	−27 47.1	2.135	2.864	15.9	19.4

363462 2003 SE_{244} 8 31.2 4°.48 0°.1/31.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 57.33	− 7 7.4	1.760	2.651	12.9	20.3
8 9	22 53.11	− 7 33.8	1.698	2.651	9.3	20.1
8 19	22 47.12	− 8 10.5	1.658	2.652	5.3	19.9
8 29	22 40.04	− 8 52.7	1.644	2.654	0.9	19.5
9 8	22 32.78	− 9 34.9	1.657	2.656	3.5	19.8
9 18	22 26.26	−10 11.7	1.695	2.659	7.7	20.0
9 28	22 21.30	−10 38.7	1.758	2.663	11.4	20.3
10 8	22 18.45	−10 53.2	1.842	2.667	14.6	20.5

133036 2003 AX_{2} 8 31.2 307°.13 16°.2/ 6.0 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 10.00	+15 12.5	1.026	1.846	25.1	18.9
8 9	23 4.02	+17 58.1	0.958	1.835	22.1	18.7
8 19	22 54.23	+20 16.7	0.906	1.823	19.2	18.5
8 29	22 41.48	+21 55.6	0.872	1.812	16.9	18.3
9 8	22 27.46	+22 46.3	0.857	1.802	16.3	18.2
9 18	22 14.33	+22 48.1	0.862	1.791	17.7	18.3
9 28	22 4.21	+22 10.2	0.884	1.782	20.4	18.4
10 8	21 58.42	+21 8.1	0.922	1.773	23.6	18.6

321737 2010 ML_{23} 8 31.2 316°.56 1°.8/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.25	−10 32.5	1.174	2.084	16.6	20.2
8 9	22 57.61	−10 57.6	1.105	2.069	12.0	19.9
8 19	22 50.10	−11 33.5	1.057	2.054	6.8	19.6
8 29	22 40.64	−12 13.4	1.030	2.039	1.9	19.2
9 8	22 30.64	−12 48.8	1.028	2.025	5.6	19.4
9 18	22 21.65	−13 12.3	1.049	2.012	11.3	19.7
9 28	22 15.07	−13 18.9	1.090	2.000	16.4	20.0
10 8	22 11.78	−13 6.6	1.150	1.988	20.7	20.2

357838 2005 UY_{135} 8 31.2 351°.13 0°.1/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.34	− 6 38.3	1.902	2.787	12.4	21.1
8 9	22 53.76	− 7 12.3	1.835	2.785	9.0	20.8
8 19	22 47.47	− 7 56.6	1.791	2.783	5.1	20.6
8 29	22 40.12	− 8 46.8	1.773	2.782	0.9	20.3
9 8	22 32.56	− 9 37.2	1.782	2.781	3.4	20.5
9 18	22 25.67	−10 22.3	1.818	2.780	7.4	20.8
9 28	22 20.26	−10 57.6	1.879	2.779	11.1	21.0
10 8	22 16.88	−11 20.3	1.963	2.779	14.2	21.2

404545 2013 JC_{26} 8 31.2 202°.97 1°.3/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.08	− 9 46.8	2.439	3.323	10.0	21.3
8 9	22 52.57	−10 45.6	2.370	3.322	7.1	21.1
8 19	22 46.69	−11 51.2	2.326	3.320	3.9	20.9
8 29	22 39.98	−12 58.9	2.310	3.318	1.3	20.7
9 8	22 33.09	−14 3.3	2.323	3.316	3.5	20.9
9 18	22 26.70	−14 59.8	2.365	3.314	6.8	21.1
9 28	22 21.46	−15 44.6	2.433	3.312	9.7	21.3
10 8	22 17.85	−16 15.7	2.523	3.309	12.3	21.4

20008 1991 NG_{3} 8 31.2 359°.32 10°.3/ 7.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.44	+12 17.4	1.233	2.068	20.8	16.6
8 9	22 54.67	+13 31.0	1.170	2.064	17.7	16.3
8 19	22 48.35	+14 15.1	1.124	2.062	14.3	16.1
8 29	22 40.32	+14 25.3	1.097	2.061	11.5	16.0
9 8	22 31.83	+14 2.6	1.091	2.061	10.3	15.9
9 18	22 24.27	+13 12.2	1.106	2.063	11.7	16.0
9 28	22 18.91	+12 4.3	1.143	2.066	14.6	16.2
10 8	22 16.53	+10 50.5	1.199	2.070	17.9	16.4

239661 2008 WQ_{134} 8 31.2 24°.06 0°.0/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.18	− 7 0.5	1.642	2.529	13.9	20.6
8 9	22 55.98	− 7 21.5	1.580	2.531	10.1	20.4
8 19	22 48.78	− 7 53.1	1.541	2.534	5.7	20.1
8 29	22 40.36	− 8 30.7	1.527	2.537	1.0	19.8
9 8	22 31.75	− 9 8.5	1.540	2.540	3.7	20.0
9 18	22 23.99	− 9 41.0	1.579	2.543	8.2	20.3
9 28	22 18.00	−10 3.7	1.642	2.546	12.2	20.5
10 8	22 14.39	−10 14.0	1.727	2.550	15.5	20.8

504852 2010 TB_{13} 8 31.2 296°.78 0°.7/31.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.52	− 6 3.0	1.311	2.204	16.3	21.8
8 9	22 58.35	− 6 8.6	1.235	2.188	12.1	21.5
8 19	22 50.47	− 6 28.0	1.179	2.171	7.1	21.2
8 29	22 40.72	− 6 57.2	1.146	2.155	1.6	20.8
9 8	22 30.39	− 7 29.7	1.139	2.139	4.3	20.9
9 18	22 20.92	− 7 59.0	1.155	2.123	9.9	21.2
9 28	22 13.65	− 8 19.0	1.195	2.108	14.9	21.4
10 8	22 9.46	− 8 25.6	1.253	2.093	19.2	21.7

91581 1999 SW_{15} 8 31.2 314°.24 3°.1/ 3.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.54	+ 1 17.0	2.047	2.898	13.0	19.2
8 9	22 54.59	+ 1 24.7	1.967	2.891	10.0	19.0
8 19	22 47.95	+ 1 18.3	1.910	2.884	6.7	18.8
8 29	22 40.23	+ 0 59.1	1.878	2.876	3.7	18.6
9 8	22 32.23	+ 0 30.5	1.873	2.869	3.7	18.6
9 18	22 24.79	− 0 3.4	1.896	2.863	6.7	18.8
9 28	22 18.73	− 0 37.6	1.944	2.856	10.1	19.0
10 8	22 14.63	− 1 7.6	2.016	2.850	13.2	19.2

153281 2001 DF_{56} 8 31.2 89°.47 0°.2/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 1.49	− 7 13.5	2.286	3.158	11.1	19.6
8 9	22 55.70	− 7 18.8	2.222	3.166	8.0	19.4
8 19	22 48.43	− 7 31.0	2.184	3.174	4.6	19.2
8 29	22 40.30	− 7 47.2	2.172	3.182	0.9	18.9
9 8	22 32.07	− 8 3.9	2.190	3.189	2.8	19.1
9 18	22 24.49	− 8 17.9	2.236	3.197	6.3	19.4
9 28	22 18.25	− 8 26.4	2.309	3.205	9.5	19.6
10 8	22 13.82	− 8 27.4	2.405	3.212	12.2	19.8

431009 2005 YR_{78} 8 31.2 148°.08 2°.2/ 2.2 17

7 30	23 2.54	− 0 26.0	2.003	2.857	13.2	21.8
8 9	22 56.65	− 0 38.6	1.936	2.865	9.9	21.6
8 19	22 49.06	− 1 5.1	1.893	2.872	6.3	21.4
8 29	22 40.43	− 1 42.7	1.876	2.879	2.8	21.2
9 8	22 31.63	− 2 26.9	1.887	2.885	3.2	21.2
9 18	22 23.54	− 3 12.7	1.926	2.891	6.8	21.4
9 28	22 16.96	− 3 54.9	1.991	2.896	10.2	21.7
10 8	22 12.44	− 4 29.4	2.079	2.901	13.3	21.9

520541 2014 MR_{75} 8 31.2 48°.24 3°.1/ 3.1 18

7 30	23 0.57	+ 1 30.2	2.185	3.030	12.5	21.0
8 9	22 55.17	+ 1 41.5	2.112	3.032	9.7	20.8
8 19	22 48.21	+ 1 39.6	2.061	3.033	6.5	20.6
8 29	22 40.28	+ 1 25.9	2.037	3.034	3.7	20.4
9 8	22 32.14	+ 1 3.2	2.041	3.036	3.6	20.4
9 18	22 24.60	+ 0 35.3	2.072	3.037	6.4	20.6
9 28	22 18.39	+ 0 6.5	2.130	3.039	9.5	20.8
10 8	22 14.05	− 0 18.8	2.211	3.040	12.3	21.0

16130 Giovine 8 31.2 27°.13 0°.2/31.0 18

7 30	23 1.76	− 6 55.4	1.284	2.183	16.2	17.4
8 9	22 56.80	− 7 24.7	1.229	2.186	11.7	17.2
8 19	22 49.40	− 8 7.6	1.196	2.190	6.6	16.9
8 29	22 40.51	− 8 58.0	1.185	2.195	1.1	16.5
9 8	22 31.40	− 9 47.8	1.200	2.200	4.4	16.8
9 18	22 23.38	−10 29.7	1.239	2.205	9.6	17.1
9 28	22 17.57	−10 58.0	1.300	2.211	14.2	17.4
10 8	22 14.63	−11 10.0	1.381	2.217	18.0	17.7

404109 2012 UE_{1} 8 31.2 257°.88 16°.1/14.5 16

7 30	23 1.22	+27 11.9	1.296	2.031	24.9	21.1
8 9	22 57.03	+28 19.5	1.219	2.021	22.8	20.8
8 19	22 49.92	+28 45.7	1.154	2.012	20.3	20.6
8 29	22 40.67	+28 21.6	1.105	2.001	18.0	20.5
9 8	22 30.63	+27 3.8	1.074	1.991	16.4	20.3
9 18	22 21.41	+24 56.4	1.062	1.980	16.2	20.3
9 28	22 14.57	+22 12.1	1.070	1.969	17.5	20.3
10 8	22 11.12	+19 9.5	1.098	1.958	19.9	20.5

207321 Crawshaw 8 31.2 149°.16 2°.8/ 3.3 18

7 30	22 59.63	+ 2 51.0	2.290	3.128	12.3	20.8
8 9	22 54.42	+ 2 28.1	2.219	3.136	9.4	20.6
8 19	22 47.75	+ 1 50.2	2.172	3.143	6.3	20.5
8 29	22 40.20	+ 0 59.7	2.151	3.150	3.4	20.3
9 8	22 32.49	+ 0 1.0	2.159	3.156	3.3	20.3
9 18	22 25.37	− 1 1.0	2.196	3.162	6.0	20.5
9 28	22 19.51	− 2 0.9	2.259	3.167	9.1	20.7
10 8	22 15.41	− 2 54.1	2.347	3.172	11.9	20.9

317752 2003 ST_{61} 8 31.2 354°.26 0°.1/31.3 18

7 30	22 54.31	− 2 44.0	1.896	2.775	12.7	19.8
8 9	22 50.92	− 4 12.0	1.825	2.772	9.2	19.5
8 19	22 45.90	− 5 56.7	1.778	2.770	5.3	19.3
8 29	22 39.87	− 7 51.8	1.759	2.768	1.0	19.0
9 8	22 33.61	− 9 48.6	1.767	2.766	3.3	19.2
9 18	22 27.93	−11 38.5	1.803	2.765	7.5	19.4
9 28	22 23.62	−13 14.0	1.866	2.765	11.2	19.7
10 8	22 21.23	−14 30.6	1.950	2.765	14.3	19.9

234081 1999 TE_{70} 8 31.2 12°.99 0°.9/31.8 18

7 30	22 57.50	− 4 41.3	1.169	2.073	17.1	19.1
8 9	22 53.83	− 5 0.5	1.120	2.078	12.5	18.9
8 19	22 47.76	− 5 36.7	1.090	2.084	7.3	18.6
8 29	22 40.21	− 6 24.2	1.082	2.091	1.8	18.3
9 8	22 32.49	− 7 15.0	1.098	2.100	4.1	18.5
9 18	22 25.88	− 8 1.0	1.138	2.110	9.4	18.8
9 28	22 21.47	− 8 35.5	1.199	2.121	14.1	19.1
10 8	22 19.87	− 8 54.3	1.279	2.133	18.0	19.4

79660 1998 SX_{28} 8 31.2 230°.93 1°.0/30.4 18

7 30	23 2.32	− 8 24.9	1.686	2.574	13.6	20.1
8 9	22 56.89	− 9 8.1	1.615	2.567	9.8	19.8
8 19	22 49.38	−10 2.0	1.567	2.561	5.5	19.6
8 29	22 40.52	−11 0.8	1.544	2.554	1.2	19.2
9 8	22 31.34	−11 57.4	1.549	2.546	4.2	19.5
9 18	22 22.92	−12 45.4	1.581	2.538	8.7	19.7
9 28	22 16.26	−13 20.0	1.637	2.530	12.8	19.9
10 8	22 12.02	−13 38.6	1.714	2.522	16.2	20.2

244376 2002 PF_{5} 8 31.2 58°.00 3°.9/ 3.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 59.15	+ 4 31.9	1.665	2.514	15.6	20.4
8 9	22 54.44	+ 4 14.3	1.607	2.528	12.1	20.2
8 19	22 47.89	+ 3 35.7	1.571	2.541	8.3	20.0
8 29	22 40.23	+ 2 38.9	1.559	2.555	4.8	19.8
9 8	22 32.44	+ 1 29.7	1.573	2.569	4.4	19.8
9 18	22 25.49	+ 0 15.4	1.613	2.583	7.4	20.0
9 28	22 20.22	− 0 56.3	1.679	2.597	11.0	20.3
10 8	22 17.19	− 1 59.0	1.766	2.611	14.3	20.5

449064 2012 FL_{16} 8 31.2 294°.55 1°.7/29.5 18

7 30	22 59.16	−11 47.9	2.150	3.040	11.0	21.5
8 9	22 54.29	−12 22.4	2.072	3.026	7.8	21.2
8 19	22 47.78	−13 2.5	2.018	3.012	4.4	21.0
8 29	22 40.23	−13 43.6	1.991	2.999	1.7	20.8
9 8	22 32.40	−14 20.6	1.992	2.985	4.0	20.9
9 18	22 25.13	−14 49.2	2.021	2.972	7.6	21.1
9 28	22 19.20	−15 6.2	2.075	2.958	11.0	21.3
10 8	22 15.16	−15 10.0	2.150	2.945	13.8	21.5

450028 2015 QT_{10} 8 31.2 340°.54 2°.2/ 1.8 18

7 30	22 58.17	− 3 0.3	1.447	2.335	15.4	20.5
8 9	22 54.20	− 2 48.7	1.371	2.318	11.6	20.2
8 19	22 48.00	− 2 51.7	1.315	2.303	7.3	19.9
8 29	22 40.29	− 3 7.0	1.283	2.289	3.0	19.6
9 8	22 32.15	− 3 30.3	1.275	2.276	3.9	19.7
9 18	22 24.74	− 3 56.0	1.292	2.264	8.5	19.9
9 28	22 19.19	− 4 18.2	1.332	2.253	13.0	20.1
10 8	22 16.24	− 4 32.1	1.392	2.244	17.0	20.4

107651 2001 EW_{21} 8 31.2 76°.83 3°.9/ 3.1 17

7 30	23 5.01	+ 2 1.9	1.414	2.275	17.3	19.8
8 9	22 58.80	+ 2 5.1	1.367	2.296	13.2	19.7
8 19	22 50.37	+ 1 47.8	1.341	2.317	8.7	19.5
8 29	22 40.68	+ 1 12.9	1.339	2.338	4.7	19.3
9 8	22 30.97	+ 0 26.1	1.362	2.359	4.6	19.3
9 18	22 22.41	− 0 25.3	1.411	2.380	8.3	19.6
9 28	22 15.99	− 1 14.1	1.484	2.400	12.3	19.9
10 8	22 12.27	− 1 54.5	1.578	2.420	15.8	20.2

450506 2005 YJ_{291} 8 31.2 312°.50 1°.8/ 1.9 18

7 30	22 58.21	− 1 48.5	2.035	2.901	12.5	21.4
8 9	22 53.67	− 2 0.7	1.953	2.889	9.4	21.2
8 19	22 47.47	− 2 25.9	1.895	2.879	5.8	20.9
8 29	22 40.19	− 3 1.5	1.863	2.868	2.4	20.7
9 8	22 32.62	− 3 43.1	1.857	2.857	3.1	20.7
9 18	22 25.60	− 4 26.0	1.880	2.847	6.7	20.9
9 28	22 19.93	− 5 5.2	1.928	2.837	10.3	21.1
10 8	22 16.19	− 5 36.4	1.998	2.827	13.5	21.3

221686 2007 DA_{35} 8 31.2 24°.32 0°.7/30.6 18

7 30	23 0.30	− 9 24.7	1.917	2.804	12.2	19.9
8 9	22 55.11	− 9 40.9	1.857	2.809	8.7	19.7
8 19	22 48.21	−10 3.9	1.821	2.814	4.9	19.5
8 29	22 40.31	−10 29.6	1.811	2.820	1.0	19.2
9 8	22 32.28	−10 53.3	1.828	2.826	3.5	19.4
9 18	22 25.00	−11 11.2	1.873	2.832	7.4	19.7
9 28	22 19.26	−11 20.0	1.942	2.839	10.9	19.9
10 8	22 15.59	−11 18.1	2.034	2.846	13.9	20.1

6781 1990 OD 8 31.2 29°.67 9°.4/ 8.9 18

7 30	22 57.13	+14 45.2	1.242	2.066	21.4	17.1
8 9	22 53.47	+15 8.3	1.197	2.083	17.9	16.9
8 19	22 47.51	+14 55.6	1.167	2.102	14.3	16.8
8 29	22 40.19	+14 6.8	1.157	2.121	11.0	16.6
9 8	22 32.74	+12 47.0	1.168	2.142	9.4	16.6
9 18	22 26.39	+11 6.1	1.202	2.163	10.4	16.7
9 28	22 22.15	+ 9 16.7	1.259	2.186	13.2	17.0
10 8	22 20.62	+ 7 31.1	1.337	2.209	16.3	17.2

67580 2000 SN_{117} 8 31.2 240°.69 0°.5/31.6 18

7 30	23 1.52	− 3 47.6	1.525	2.407	15.1	19.9
8 9	22 56.53	− 4 35.7	1.451	2.399	11.1	19.6
8 19	22 49.29	− 5 41.1	1.399	2.390	6.5	19.3
8 29	22 40.54	− 6 58.3	1.373	2.381	1.5	19.0
9 8	22 31.40	− 8 19.2	1.372	2.372	3.9	19.1
9 18	22 23.02	− 9 35.0	1.398	2.363	8.9	19.4
9 28	22 16.52	−10 38.3	1.448	2.353	13.4	19.6
10 8	22 12.62	−11 24.3	1.519	2.343	17.2	19.9

284841 2009 BH_{77} 8 31.2 228°.28 7°.5/ 5.6 18

7 30	23 6.47	+10 20.9	1.903	2.702	15.9	20.0
8 9	22 59.78	+11 29.0	1.825	2.701	13.2	19.8
8 19	22 51.01	+12 18.3	1.768	2.699	10.4	19.7
8 29	22 40.86	+12 46.1	1.736	2.698	8.2	19.5
9 8	22 30.30	+12 52.6	1.730	2.697	7.6	19.5
9 18	22 20.41	+12 40.4	1.751	2.695	9.1	19.6
9 28	22 12.18	+12 15.0	1.797	2.693	11.7	19.7
10 8	22 6.32	+11 43.0	1.865	2.692	14.4	19.9

6353 Semper 8 31.2 261°.19 0°.9/30.2 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 59.08	− 9 41.6	2.404	3.286	10.3	17.7
8 9	22 54.10	−10 14.8	2.322	3.272	7.4	17.5
8 19	22 47.64	−10 54.5	2.265	3.258	4.1	17.3
8 29	22 40.22	−11 36.7	2.235	3.244	1.0	17.1
9 8	22 32.56	−12 17.1	2.234	3.230	3.3	17.2
9 18	22 25.37	−12 51.4	2.262	3.215	6.7	17.4
9 28	22 19.37	−13 16.5	2.315	3.201	9.9	17.6
10 8	22 15.07	−13 30.2	2.392	3.186	12.6	17.8

402421 2005 YG_{235} 8 31.2 44°.64 1°.6/ 1.8 18

7 30	22 59.48	− 2 16.6	2.186	3.048	11.9	21.1
8 9	22 54.39	− 2 23.3	2.116	3.050	8.9	21.0
8 19	22 47.78	− 2 41.2	2.070	3.053	5.5	20.7
8 29	22 40.25	− 3 7.8	2.050	3.056	2.2	20.5
9 8	22 32.55	− 3 39.3	2.059	3.058	2.9	20.6
9 18	22 25.44	− 4 11.6	2.095	3.061	6.3	20.8
9 28	22 19.66	− 4 40.7	2.157	3.064	9.5	21.0
10 8	22 15.69	− 5 3.0	2.243	3.067	12.4	21.2

140780 2001 UW_{133} 8 31.2 83°.72 7°.9/10.2 18

7 30	22 57.25	+18 53.7	2.099	2.852	16.0	19.9
8 9	22 52.95	+18 48.8	2.022	2.857	13.8	19.7
8 19	22 47.04	+18 17.1	1.964	2.861	11.3	19.5
8 29	22 40.12	+17 18.0	1.928	2.866	9.1	19.4
9 8	22 32.99	+15 54.3	1.917	2.871	7.9	19.4
9 18	22 26.47	+14 11.9	1.933	2.876	8.4	19.4
9 28	22 21.32	+12 19.0	1.974	2.881	10.3	19.5
10 8	22 18.10	+10 24.7	2.040	2.886	12.6	19.7

80895 2000 DM_{52} 8 31.2 56°.01 0°.1/31.4 17

7 30	23 1.48	− 5 28.7	1.396	2.288	15.6	20.0
8 9	22 56.42	− 6 5.0	1.343	2.296	11.3	19.7
8 19	22 49.13	− 6 55.7	1.312	2.305	6.5	19.5
8 29	22 40.50	− 7 54.8	1.305	2.314	1.3	19.2
9 8	22 31.72	− 8 54.4	1.323	2.323	4.0	19.4
9 18	22 23.96	− 9 47.1	1.367	2.332	8.9	19.7
9 28	22 18.25	−10 26.9	1.434	2.342	13.3	20.0
10 8	22 15.19	−10 50.8	1.521	2.352	16.9	20.3

8121 Altdorfer 8 31.2 220°.09 1°.0/30.4 18

7 30	23 4.75	− 8 51.6	1.547	2.436	14.5	18.7
8 9	22 58.82	− 9 26.5	1.478	2.431	10.5	18.4
8 19	22 50.55	−10 11.9	1.431	2.425	5.9	18.2
8 29	22 40.79	−11 1.9	1.410	2.419	1.3	17.8
9 8	22 30.68	−11 49.2	1.415	2.412	4.5	18.1
9 18	22 21.44	−12 27.6	1.447	2.405	9.3	18.3
9 28	22 14.18	−12 52.2	1.502	2.398	13.6	18.6
10 8	22 9.62	−13 0.9	1.578	2.390	17.2	18.8

143909 2003 YS_{66} 8 31.2 258°.44 1°.8/ 1.5 18

7 30	23 3.87	− 2 40.0	1.685	2.555	14.5	20.6
8 9	22 58.18	− 2 48.8	1.599	2.537	10.9	20.3
8 19	22 50.24	− 3 12.3	1.534	2.520	6.7	20.0
8 29	22 40.75	− 3 47.6	1.495	2.501	2.5	19.7
9 8	22 30.75	− 4 29.7	1.483	2.483	3.7	19.8
9 18	22 21.38	− 5 12.7	1.497	2.463	8.2	20.0
9 28	22 13.74	− 5 50.6	1.537	2.444	12.6	20.2
10 8	22 8.62	− 6 18.6	1.597	2.424	16.4	20.4

59431 1999 GG_{13} 8 31.2 74°.05 2°.5/ 2.5 18

7 30	23 1.85	+ 0 43.6	1.574	2.438	15.6	19.5
8 9	22 56.38	+ 0 16.9	1.526	2.460	11.7	19.3
8 19	22 48.97	− 0 28.1	1.500	2.481	7.4	19.1
8 29	22 40.47	− 1 27.1	1.499	2.503	3.3	18.9
9 8	22 31.93	− 2 33.4	1.524	2.524	3.7	19.0
9 18	22 24.37	− 3 39.6	1.576	2.545	7.6	19.3
9 28	22 18.67	− 4 39.0	1.653	2.566	11.5	19.5
10 8	22 15.35	− 5 26.5	1.751	2.587	14.8	19.8

481734 2008 GS_{19} 8 31.2 312°.32 5°.2/25.6 18

7 30	22 58.70	−20 40.5	1.935	2.839	11.3	20.3
8 9	22 54.17	−21 57.7	1.872	2.829	8.4	20.1
8 19	22 47.80	−23 14.7	1.834	2.819	5.9	19.9
8 29	22 40.28	−24 23.8	1.823	2.810	5.4	19.9
9 8	22 32.49	−25 17.9	1.837	2.800	7.5	20.0
9 18	22 25.39	−25 52.3	1.878	2.791	10.5	20.2
9 28	22 19.84	−26 4.9	1.940	2.783	13.4	20.3
10 8	22 16.43	−25 56.4	2.023	2.774	16.0	20.5

41540 2000 RT_{38} 8 31.2 319°.70 0°.8/30.6 18

7 30	22 59.54	− 8 9.5	1.436	2.335	14.8	19.0
8 9	22 55.25	− 8 42.7	1.362	2.320	10.7	18.7
8 19	22 48.63	− 9 28.4	1.310	2.305	6.0	18.4
8 29	22 40.46	−10 20.8	1.282	2.291	1.2	18.0
9 8	22 31.86	−11 12.4	1.279	2.278	4.5	18.2
9 18	22 24.04	−11 55.9	1.301	2.265	9.5	18.5
9 28	22 18.14	−12 25.4	1.346	2.252	14.1	18.7
10 8	22 14.93	−12 38.0	1.410	2.241	18.0	18.9

344961 2004 XG_{10} 8 31.2 262°.76 3°.0/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 1.40	+ 2 4.8	2.111	2.954	13.0	22.1
8 9	22 56.08	+ 1 52.5	2.009	2.929	10.1	21.9
8 19	22 48.94	+ 1 24.2	1.931	2.904	6.8	21.7
8 29	22 40.52	+ 0 41.5	1.879	2.878	3.6	21.4
9 8	22 31.62	− 0 12.0	1.855	2.852	3.6	21.4
9 18	22 23.13	− 1 11.0	1.859	2.825	6.9	21.5
9 28	22 15.95	− 2 9.5	1.889	2.797	10.6	21.7
10 8	22 10.76	− 3 2.0	1.943	2.768	14.0	21.9

490319 2009 BC_{72} 8 31.2 296°.21 6°.3/ 4.9 16

7 30	23 0.91	+ 7 43.6	1.726	2.555	16.0	22.3
8 9	22 56.13	+ 8 11.9	1.627	2.529	13.1	22.0
8 19	22 49.16	+ 8 19.7	1.549	2.502	9.9	21.8
8 29	22 40.59	+ 8 5.4	1.494	2.476	7.1	21.6
9 8	22 31.37	+ 7 30.7	1.465	2.449	6.5	21.5
9 18	22 22.61	+ 6 39.9	1.460	2.423	8.8	21.5
9 28	22 15.43	+ 5 40.2	1.480	2.396	12.4	21.7
10 8	22 10.67	+ 4 39.8	1.522	2.370	16.0	21.9

132738 2002 PH_{29} 8 31.2 28°.22 0°.6/31.8 18

7 30	22 57.84	− 3 39.7	1.452	2.341	15.2	19.4
8 9	22 53.75	− 4 24.8	1.399	2.350	11.1	19.2
8 19	22 47.62	− 5 26.2	1.367	2.358	6.5	18.9
8 29	22 40.26	− 6 37.9	1.359	2.368	1.6	18.6
9 8	22 32.75	− 7 51.7	1.377	2.378	3.7	18.8
9 18	22 26.15	− 8 59.6	1.421	2.389	8.4	19.1
9 28	22 21.40	− 9 54.9	1.488	2.400	12.6	19.4
10 8	22 19.08	−10 33.7	1.576	2.412	16.1	19.7

514064 2014 PB_{2} 8 31.2 100°.38 3°.9/26.5 18

7 30	22 58.09	−18 3.3	2.255	3.153	10.2	21.1
8 9	22 53.42	−19 18.4	2.200	3.156	7.3	20.9
8 19	22 47.26	−20 34.4	2.171	3.159	4.8	20.8
8 29	22 40.19	−21 44.9	2.169	3.162	4.0	20.7
9 8	22 32.96	−22 44.1	2.195	3.165	5.9	20.9
9 18	22 26.36	−23 27.8	2.248	3.168	8.7	21.1
9 28	22 21.06	−23 53.6	2.326	3.171	11.4	21.2
10 8	22 17.58	−24 1.6	2.424	3.174	13.7	21.4

512613 2016 TV_{20} 8 31.2 7°.47 1°.6/30.2 18

7 30	23 2.40	−11 23.7	1.423	2.325	14.7	20.3
8 9	22 57.14	−11 38.3	1.366	2.326	10.6	20.1
8 19	22 49.58	−11 59.6	1.331	2.327	5.9	19.8
8 29	22 40.63	−12 22.2	1.320	2.329	1.7	19.6
9 8	22 31.49	−12 39.9	1.335	2.331	4.8	19.8
9 18	22 23.38	−12 48.1	1.374	2.335	9.5	20.1
9 28	22 17.34	−12 43.6	1.437	2.339	13.7	20.3
10 8	22 14.00	−12 25.5	1.519	2.343	17.2	20.6

261679 2005 YP_{186} 8 31.2 177°.20 4°.7/24.5 18

7 30	22 58.47	−23 32.6	2.759	3.651	8.7	20.3
8 9	22 53.52	−24 52.3	2.706	3.653	6.6	20.2
8 19	22 47.26	−26 9.2	2.679	3.654	5.0	20.1
8 29	22 40.19	−27 17.8	2.681	3.654	4.9	20.1
9 8	22 32.97	−28 13.1	2.711	3.655	6.4	20.2
9 18	22 26.25	−28 52.0	2.767	3.655	8.5	20.3
9 28	22 20.67	−29 13.3	2.848	3.654	10.6	20.5
10 8	22 16.67	−29 17.3	2.950	3.654	12.4	20.6

407861 2012 BG_{71} 8 31.2 160°.95 2°.9/27.5 18

7 30	22 57.71	−15 16.3	2.492	3.384	9.6	21.5
8 9	22 53.04	−16 29.8	2.432	3.387	6.8	21.3
8 19	22 47.01	−17 46.2	2.398	3.389	4.1	21.1
8 29	22 40.16	−18 59.9	2.393	3.392	2.9	21.0
9 8	22 33.15	−20 5.4	2.416	3.394	4.8	21.2
9 18	22 26.67	−20 58.3	2.468	3.396	7.6	21.4
9 28	22 21.36	−21 35.9	2.545	3.398	10.2	21.5
10 8	22 17.67	−21 57.4	2.643	3.399	12.5	21.7

520274 2014 EF_{172} 8 31.2 71°.56 1°.6/ 1.6 18

7 30	23 0.44	− 2 19.4	1.813	2.683	13.6	21.9
8 9	22 55.34	− 2 38.0	1.749	2.688	10.1	21.7
8 19	22 48.43	− 3 10.5	1.708	2.694	6.2	21.5
8 29	22 40.43	− 3 53.2	1.693	2.699	2.2	21.3
9 8	22 32.26	− 4 41.0	1.705	2.705	3.2	21.3
9 18	22 24.83	− 5 28.1	1.743	2.711	7.2	21.6
9 28	22 19.00	− 6 9.2	1.807	2.716	10.9	21.8
10 8	22 15.31	− 6 40.4	1.894	2.722	14.1	22.1

161902 2007 DG_{52} 8 31.2 205°.05 1°.0/30.2 18

7 30	23 1.02	−10 48.2	2.616	3.493	9.7	20.7
8 9	22 55.33	−11 8.4	2.541	3.489	6.9	20.6
8 19	22 48.28	−11 32.9	2.492	3.485	3.9	20.4
8 29	22 40.40	−11 58.5	2.472	3.480	1.0	20.1
9 8	22 32.36	−12 21.5	2.481	3.476	3.1	20.3
9 18	22 24.82	−12 38.9	2.519	3.471	6.2	20.5
9 28	22 18.45	−12 48.3	2.584	3.465	9.1	20.7
10 8	22 13.70	−12 48.4	2.672	3.460	11.6	20.8

2020	α_{2000}	δ_{2000}	Δ	r	β	V
48665 1995 WL_{25}			8 31.2	44°.38	3°.2/ 2.5	18
	h m	° ′			°	m
7 30	23 2.55	− 0 4.8	1.240	2.120	17.9	18.8
8 9	22 57.37	− 0 2.7	1.191	2.132	13.6	18.6
8 19	22 49.75	− 0 21.1	1.161	2.145	8.7	18.4
8 29	22 40.68	− 0 56.7	1.154	2.158	4.1	18.2
9 8	22 31.48	− 1 43.0	1.171	2.171	4.5	18.2
9 18	22 23.46	− 2 32.1	1.213	2.185	9.0	18.5
9 28	22 17.71	− 3 16.4	1.278	2.200	13.4	18.8
10 8	22 14.84	− 3 50.1	1.362	2.214	17.3	19.1
76174 2000 EJ_{32}			8 31.2	239°.00	2°.0/29.5	18
7 30	23 1.42	−12 6.0	1.921	2.812	12.0	19.9
8 9	22 56.04	−12 44.8	1.854	2.809	8.6	19.7
8 19	22 48.84	−13 29.3	1.811	2.806	4.8	19.4
8 29	22 40.52	−14 14.1	1.795	2.802	2.0	19.2
9 8	22 31.98	−14 53.4	1.806	2.798	4.5	19.4
9 18	22 24.15	−15 22.5	1.844	2.794	8.3	19.6
9 28	22 17.88	−15 38.3	1.908	2.791	11.8	19.8
10 8	22 13.75	−15 39.5	1.992	2.787	14.8	20.0
64905 2001 YD_{89}			8 31.2	275°.13	2°.0/29.2	18
7 30	22 59.37	−12 16.1	2.084	2.975	11.2	20.1
8 9	22 54.45	−13 2.2	2.018	2.973	8.0	19.9
8 19	22 47.90	−13 53.8	1.976	2.971	4.5	19.6
8 29	22 40.35	−14 45.4	1.962	2.968	2.0	19.5
9 8	22 32.60	−15 31.5	1.975	2.966	4.3	19.6
9 18	22 25.49	−16 7.5	2.016	2.963	7.8	19.8
9 28	22 19.79	−16 30.3	2.082	2.961	11.1	20.0
10 8	22 16.01	−16 38.5	2.169	2.959	13.9	20.2
164697 1997 WS_{28}			8 31.2	288°.62	5°.1/27.9	18
7 30	23 5.71	−17 45.1	1.308	2.216	15.3	19.8
8 9	23 0.00	−18 33.6	1.241	2.202	11.2	19.5
8 19	22 51.47	−19 24.5	1.196	2.188	7.0	19.2
8 29	22 41.05	−20 8.4	1.174	2.174	5.1	19.1
9 8	22 30.15	−20 36.3	1.177	2.160	8.0	19.2
9 18	22 20.31	−20 42.4	1.204	2.146	12.5	19.4
9 28	22 12.87	−20 24.9	1.251	2.132	16.9	19.6
10 8	22 8.66	−19 45.5	1.317	2.118	20.6	19.8
373155 2012 CJ_{7}			8 31.2	136°.60	0°.0/31.0	17
7 30	23 3.63	− 5 33.3	1.556	2.438	14.8	21.9
8 9	22 57.86	− 6 18.1	1.498	2.447	10.7	21.7
8 19	22 49.94	− 7 16.5	1.463	2.455	6.1	21.5
8 29	22 40.73	− 8 22.5	1.453	2.462	1.1	21.1
9 8	22 31.34	− 9 28.3	1.470	2.469	3.9	21.4
9 18	22 22.90	−10 26.8	1.514	2.476	8.6	21.7
9 28	22 16.39	−11 12.4	1.582	2.482	12.7	21.9
10 8	22 12.43	−11 41.9	1.671	2.488	16.2	22.2
472736 2015 FL_{78}			8 31.2	244°.79	0°.9/30.5	17
7 30	23 2.18	− 8 5.4	1.755	2.640	13.2	21.9
8 9	22 56.83	− 8 49.8	1.677	2.629	9.6	21.7
8 19	22 49.43	− 9 45.4	1.623	2.617	5.4	21.4
8 29	22 40.66	−10 46.4	1.595	2.604	1.1	21.1
9 8	22 31.52	−11 46.1	1.594	2.591	4.1	21.3
9 18	22 23.04	−12 37.9	1.621	2.578	8.6	21.5
9 28	22 16.24	−13 16.7	1.672	2.565	12.6	21.7
10 8	22 11.80	−13 39.6	1.744	2.551	16.1	21.9
123047 2000 ST_{294}			8 31.2	353°.33	0°.0/31.1	18
7 30	23 5.21	− 9 27.9	1.317	2.214	16.0	18.5
8 9	22 59.39	− 9 8.2	1.254	2.210	11.6	18.2
8 19	22 50.98	− 8 56.0	1.212	2.206	6.6	17.9
8 29	22 40.95	− 8 47.7	1.194	2.204	1.2	17.6
9 8	22 30.62	− 8 39.0	1.202	2.202	4.3	17.8
9 18	22 21.39	− 8 26.1	1.234	2.201	9.5	18.1
9 28	22 14.45	− 8 6.0	1.289	2.200	14.2	18.4
10 8	22 10.52	− 7 37.1	1.363	2.201	18.1	18.6
253729 2003 WN_{15}			8 31.2	145°.96	2°.5/ 2.3	17
7 30	23 2.71	+ 0 21.6	1.611	2.474	15.4	21.5
8 9	22 57.18	− 0 3.3	1.547	2.480	11.6	21.2
8 19	22 49.58	− 0 46.6	1.504	2.486	7.4	21.0
8 29	22 40.68	− 1 44.6	1.487	2.491	3.2	20.8
9 8	22 31.56	− 2 50.9	1.496	2.495	3.7	20.8
9 18	22 23.29	− 3 58.1	1.531	2.500	7.9	21.1
9 28	22 16.86	− 4 59.2	1.592	2.504	12.0	21.3
10 8	22 12.87	− 5 48.6	1.675	2.507	15.5	21.6
379649 2011 EF_{22}			8 31.2	174°.48	2°.7/28.7	17
7 30	23 2.02	−12 30.8	1.780	2.675	12.6	21.0
8 9	22 56.58	−13 37.6	1.720	2.676	9.0	20.8
8 19	22 49.20	−14 51.0	1.683	2.678	5.1	20.6
8 29	22 40.61	−16 3.7	1.674	2.679	2.7	20.4
9 8	22 31.81	−17 8.3	1.691	2.679	5.3	20.6
9 18	22 23.81	−17 58.7	1.736	2.679	9.2	20.9
9 28	22 17.50	−18 31.3	1.804	2.679	12.7	21.1
10 8	22 13.49	−18 45.1	1.894	2.679	15.8	21.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
31831 1999 YL			8 31.2	164°.98	16°.5/17.4	18
	h m	° ′			°	m
7 30	23 3.21	+31 6.5	1.361	2.058	25.5	18.5
8 9	22 58.36	+32 9.4	1.294	2.061	23.4	18.3
8 19	22 50.63	+32 28.7	1.238	2.064	21.1	18.2
8 29	22 40.93	+31 56.3	1.197	2.066	18.9	18.0
9 8	22 30.66	+30 29.8	1.173	2.067	17.1	17.9
9 18	22 21.40	+28 14.2	1.169	2.069	16.5	17.9
9 28	22 14.59	+25 22.6	1.185	2.069	17.3	18.0
10 8	22 11.11	+22 13.3	1.222	2.070	19.1	18.1
295111 2008 FY_{4}			8 31.2	7°.14	2°.8/28.9	18
7 30	23 2.72	−15 27.2	1.866	2.761	12.1	20.6
8 9	22 56.97	−15 49.1	1.805	2.761	8.7	20.4
8 19	22 49.36	−16 12.7	1.769	2.762	5.0	20.2
8 29	22 40.65	−16 33.1	1.759	2.763	2.8	20.0
9 8	22 31.79	−16 45.3	1.776	2.764	5.0	20.2
9 18	22 23.76	−16 46.0	1.819	2.766	8.6	20.4
9 28	22 17.41	−16 33.5	1.888	2.767	12.0	20.6
10 8	22 13.29	−16 8.0	1.977	2.770	14.9	20.8
183897 2004 CS_{79}			8 31.2	68°.21	2°.3/29.2	18
7 30	23 0.54	− 9 49.1	1.408	2.310	14.8	19.6
8 9	22 55.79	−11 9.3	1.359	2.319	10.5	19.4
8 19	22 48.84	−12 40.3	1.332	2.328	5.8	19.1
8 29	22 40.56	−14 13.1	1.331	2.338	2.3	18.9
9 8	22 32.12	−15 37.4	1.355	2.348	5.6	19.2
9 18	22 24.70	−16 45.2	1.405	2.357	10.1	19.5
9 28	22 19.30	−17 31.6	1.477	2.367	14.2	19.7
10 8	22 16.51	−17 55.2	1.569	2.377	17.5	20.0
380574 2004 RL_{114}			8 31.2	168°.71	1°.2/ 1.3	18
7 30	23 2.20	− 3 0.2	1.941	2.807	13.0	21.1
8 9	22 56.55	− 3 24.7	1.872	2.810	9.6	20.9
8 19	22 49.13	− 4 1.9	1.826	2.812	5.8	20.7
8 29	22 40.61	− 4 48.3	1.807	2.815	1.9	20.5
9 8	22 31.88	− 5 38.6	1.816	2.816	3.1	20.6
9 18	22 23.86	− 6 27.4	1.853	2.818	7.1	20.8
9 28	22 17.36	− 7 9.6	1.916	2.819	10.7	21.0
10 8	22 12.97	− 7 41.5	2.001	2.819	13.9	21.3
405849 2006 BA_{280}			8 31.2	339°.09	2°.9/28.0	18
7 30	22 55.09	−12 13.8	1.757	2.662	12.2	19.7
8 9	22 51.71	−13 38.9	1.689	2.651	8.7	19.4
8 19	22 46.51	−15 12.8	1.644	2.640	5.0	19.2
8 29	22 40.14	−16 47.7	1.627	2.631	3.0	19.1
9 8	22 33.48	−18 14.9	1.635	2.622	5.7	19.2
9 18	22 27.46	−19 27.0	1.670	2.613	9.5	19.4
9 28	22 22.95	−20 19.1	1.728	2.606	13.1	19.6
10 8	22 20.56	−20 49.2	1.807	2.599	16.1	19.8
442373 2011 SW_{273}			8 31.2	279°.77	1°.5/29.7	18
7 30	22 58.82	− 9 13.6	1.980	2.868	11.8	21.2
8 9	22 54.30	−10 15.2	1.894	2.848	8.5	20.9
8 19	22 47.97	−11 27.3	1.832	2.827	4.7	20.7
8 29	22 40.43	−12 44.1	1.798	2.806	1.5	20.4
9 8	22 32.48	−13 58.8	1.791	2.784	4.2	20.6
9 18	22 25.04	−15 4.5	1.811	2.763	8.2	20.8
9 28	22 18.99	−15 56.2	1.857	2.741	12.0	21.0
10 8	22 14.99	−16 30.8	1.924	2.720	15.2	21.1
392297 2010 CB_{82}			8 31.2	211°.71	2°.0/29.5	18
7 30	23 6.10	−13 50.9	2.165	3.046	11.3	22.5
8 9	22 59.27	−14 10.8	2.090	3.040	8.1	22.3
8 19	22 50.65	−14 33.5	2.041	3.033	4.6	22.1
8 29	22 40.91	−14 54.5	2.019	3.025	2.0	21.9
9 8	22 30.94	−15 9.5	2.027	3.017	4.3	22.0
9 18	22 21.66	−15 15.2	2.063	3.009	7.8	22.2
9 28	22 13.90	−15 9.6	2.125	3.000	11.1	22.4
10 8	22 8.24	−14 52.3	2.210	2.990	14.0	22.6
371455 2006 SQ_{332}			8 31.2	13°.28	0°.2/31.4	18
7 30	22 58.78	− 6 47.6	0.930	1.849	19.0	19.7
8 9	22 55.23	− 6 55.2	0.887	1.853	13.8	19.5
8 19	22 48.78	− 7 19.2	0.862	1.859	7.9	19.2
8 29	22 40.57	− 7 53.2	0.857	1.867	1.6	18.8
9 8	22 32.20	− 8 28.4	0.874	1.876	4.8	19.1
9 18	22 25.23	− 8 56.8	0.912	1.887	10.7	19.5
9 28	22 20.91	− 9 11.9	0.971	1.899	15.9	19.8
10 8	22 19.89	− 9 10.7	1.046	1.913	20.2	20.1
353847 2012 VH_{40}			8 31.2	225°.47	6°.9/ 7.1	18
7 30	23 0.01	+12 32.4	1.977	2.772	15.5	20.6
8 9	22 55.10	+12 49.4	1.897	2.769	12.9	20.5
8 19	22 48.38	+12 43.8	1.837	2.766	10.2	20.3
8 29	22 40.50	+12 14.7	1.800	2.763	7.8	20.1
9 8	22 32.31	+11 24.6	1.789	2.760	6.9	20.1
9 18	22 24.70	+10 18.3	1.803	2.757	8.2	20.2
9 28	22 18.55	+ 9 3.1	1.844	2.754	10.7	20.3
10 8	22 14.48	+ 7 46.6	1.907	2.750	13.5	20.5

496421 2014 DL_{54} 8 31.2 209°.73 2°.0/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 3.69	−12 56.1	2.027	2.914	11.7	21.6
8 9	22 57.61	−13 24.0	1.958	2.910	8.4	21.4
8 19	22 49.73	−13 56.0	1.913	2.906	4.7	21.1
8 29	22 40.74	−14 27.4	1.895	2.902	2.0	20.9
9 8	22 31.54	−14 53.0	1.906	2.898	4.3	21.1
9 18	22 23.05	−15 9.1	1.944	2.893	8.0	21.3
9 28	22 16.11	−15 13.2	2.008	2.888	11.4	21.5
10 8	22 11.30	−15 4.3	2.094	2.883	14.3	21.7

252791 2002 EX_{162} 8 31.2 277°.78 0°.9/ 1.3 18

7 30	22 57.23	− 2 32.2	2.138	3.006	11.9	21.0
8 9	22 52.95	− 3 17.1	2.058	2.997	8.8	20.7
8 19	22 47.11	− 4 15.6	2.001	2.988	5.3	20.5
8 29	22 40.27	− 5 23.7	1.972	2.979	1.6	20.2
9 8	22 33.16	− 6 35.9	1.970	2.970	2.8	20.3
9 18	22 26.57	− 7 46.2	1.996	2.961	6.6	20.6
9 28	22 21.25	− 8 49.0	2.049	2.952	10.1	20.8
10 8	22 17.73	− 9 40.1	2.124	2.943	13.2	20.9

352162 2007 RV_{15} 8 31.2 3°.33 7°.1/ 7.2 17

7 30	22 48.02	+11 0.8	1.033	1.901	21.6	19.1
8 9	22 47.33	+10 32.4	0.975	1.899	17.7	18.9
8 19	22 44.30	+ 9 22.5	0.934	1.899	13.3	18.6
8 29	22 39.76	+ 7 33.0	0.912	1.901	9.0	18.4
9 8	22 34.93	+ 5 13.7	0.911	1.905	7.1	18.3
9 18	22 31.05	+ 2 39.9	0.932	1.912	9.6	18.5
9 28	22 29.26	+ 0 9.4	0.976	1.921	13.9	18.8
10 8	22 30.21	− 2 2.8	1.039	1.933	18.1	19.1

511093 2013 TZ_{138} 8 31.2 293°.61 6°.4/26.1 18

7 30	23 4.01	−20 31.3	1.449	2.357	14.1	21.5
8 9	22 58.81	−21 44.9	1.371	2.329	10.6	21.2
8 19	22 50.89	−23 0.4	1.314	2.301	7.4	20.9
8 29	22 41.02	−24 7.4	1.282	2.273	6.6	20.8
9 8	22 30.48	−24 55.7	1.275	2.245	9.3	20.9
9 18	22 20.71	−25 18.4	1.291	2.216	13.4	21.1
9 28	22 13.09	−25 12.8	1.329	2.188	17.4	21.2
10 8	22 8.54	−24 40.6	1.383	2.159	21.0	21.4

255229 2005 UY_{424} 8 31.2 50°.16 0°.6/30.6 18

7 30	22 59.71	− 8 29.1	1.987	2.872	12.0	21.0
8 9	22 54.71	− 8 59.9	1.926	2.877	8.6	20.8
8 19	22 48.06	− 9 38.8	1.889	2.883	4.8	20.6
8 29	22 40.44	−10 21.0	1.879	2.888	0.9	20.3
9 8	22 32.68	−11 1.5	1.896	2.894	3.4	20.5
9 18	22 25.61	−11 35.6	1.941	2.900	7.3	20.8
9 28	22 20.01	−11 59.7	2.011	2.906	10.7	21.0
10 8	22 16.39	−12 11.7	2.103	2.912	13.6	21.2

249043 2007 TA_{72} 8 31.2 47°.89 2°.4/29.3 18

7 30	23 2.01	−13 7.7	1.680	2.578	13.1	20.4
8 9	22 56.57	−13 44.9	1.627	2.585	9.3	20.2
8 19	22 49.19	−14 26.8	1.598	2.593	5.3	20.0
8 29	22 40.65	−15 7.3	1.594	2.600	2.4	19.9
9 8	22 32.00	−15 40.2	1.617	2.608	5.0	20.0
9 18	22 24.27	−16 1.1	1.666	2.616	9.0	20.3
9 28	22 18.34	−16 7.2	1.738	2.624	12.6	20.5
10 8	22 14.75	−15 58.1	1.832	2.633	15.6	20.8

398869 2013 CB_{60} 8 31.2 106°.56 0°.0/31.1 18

7 30	22 59.71	− 6 11.2	2.209	3.083	11.4	21.6
8 9	22 54.53	− 6 46.9	2.150	3.095	8.2	21.4
8 19	22 47.90	− 7 31.4	2.115	3.106	4.6	21.2
8 29	22 40.41	− 8 20.7	2.108	3.118	0.9	20.9
9 8	22 32.82	− 9 9.9	2.130	3.129	2.9	21.1
9 18	22 25.87	− 9 54.4	2.180	3.140	6.5	21.4
9 28	22 20.25	−10 30.4	2.256	3.151	9.7	21.6
10 8	22 16.43	−10 55.4	2.355	3.161	12.4	21.8

101018 1998 QB_{57} 8 31.2 333°.27 3°.4/ 4.3 18

7 30	22 56.77	+ 7 45.3	1.802	2.635	15.3	19.2
8 9	22 52.84	+ 6 19.2	1.722	2.633	12.0	19.0
8 19	22 47.14	+ 4 25.1	1.665	2.632	8.2	18.8
8 29	22 40.29	+ 2 7.9	1.634	2.631	4.5	18.6
9 8	22 33.18	− 0 23.7	1.631	2.629	3.8	18.5
9 18	22 26.70	− 2 58.5	1.657	2.628	7.1	18.7
9 28	22 21.71	− 5 25.0	1.712	2.627	11.0	19.0
10 8	22 18.81	− 7 34.2	1.790	2.626	14.5	19.2

261826 2006 CO_{66} 8 31.2 52°.06 3°.4/29.3 17

7 30	23 7.57	−14 27.8	1.090	2.002	17.4	19.9
8 9	23 1.16	−14 55.3	1.053	2.017	12.4	19.7
8 19	22 51.94	−15 26.6	1.037	2.033	7.1	19.4
8 29	22 41.16	−15 53.4	1.044	2.050	3.5	19.3
9 8	22 30.48	−16 8.0	1.074	2.067	6.6	19.5
9 18	22 21.42	−16 6.0	1.127	2.084	11.5	19.9
9 28	22 15.13	−15 46.3	1.202	2.101	16.0	20.2
10 8	22 12.15	−15 10.1	1.295	2.119	19.6	20.5

59118 1998 XS_5 8 31.3 250°.12 0°.0/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 1.91	− 5 48.0	1.686	2.568	13.9	19.9
8 9	22 56.71	− 6 24.4	1.610	2.558	10.1	19.6
8 19	22 49.42	− 7 13.8	1.556	2.548	5.8	19.4
8 29	22 40.74	− 8 11.5	1.528	2.537	1.1	19.0
9 8	22 31.68	− 9 10.8	1.527	2.526	3.7	19.2
9 18	22 23.33	−10 4.9	1.552	2.515	8.4	19.4
9 28	22 16.69	−10 48.0	1.603	2.504	12.6	19.7
10 8	22 12.46	−11 16.5	1.674	2.492	16.1	19.9

96613 1999 CG_5 8 31.3 139°.69 1°.0/30.5 18

7 30	23 5.73	− 9 5.8	1.381	2.275	15.6	19.0
8 9	22 59.65	− 9 34.5	1.323	2.278	11.2	18.8
8 19	22 51.11	−10 13.5	1.287	2.281	6.3	18.5
8 29	22 41.04	−10 56.5	1.275	2.284	1.3	18.2
9 8	22 30.75	−11 36.2	1.289	2.287	4.7	18.5
9 18	22 21.54	−12 6.3	1.329	2.290	9.7	18.8
9 28	22 14.56	−12 22.4	1.392	2.292	14.1	19.0
10 8	22 10.48	−12 22.7	1.474	2.295	17.8	19.3

43258 2000 CH_{91} 8 31.3 276°.84 0°.1/31.2 18

7 30	22 58.89	− 5 40.6	1.865	2.747	12.8	18.6
8 9	22 54.31	− 6 28.2	1.793	2.742	9.3	18.4
8 19	22 47.96	− 7 28.1	1.745	2.737	5.3	18.1
8 29	22 40.46	− 8 35.4	1.723	2.732	1.0	17.8
9 8	22 32.70	− 9 43.4	1.728	2.727	3.4	18.0
9 18	22 25.59	−10 45.7	1.761	2.722	7.6	18.2
9 28	22 19.97	−11 36.9	1.818	2.718	11.4	18.5
10 8	22 16.43	−12 13.5	1.898	2.713	14.6	18.7

302131 2001 QK_{209} 8 31.3 14°.93 0°.8/31.9 18

7 30	22 59.73	− 4 31.8	1.753	2.633	13.5	20.4
8 9	22 54.94	− 4 54.9	1.688	2.634	9.9	20.2
8 19	22 48.31	− 5 30.6	1.646	2.636	5.8	19.9
8 29	22 40.53	− 6 14.6	1.629	2.638	1.5	19.7
9 8	22 32.54	− 7 1.4	1.639	2.640	3.3	19.8
9 18	22 25.30	− 7 45.3	1.676	2.642	7.5	20.1
9 28	22 19.67	− 8 21.2	1.737	2.645	11.4	20.3
10 8	22 16.24	− 8 45.5	1.821	2.648	14.7	20.5

95201 2002 BJ_{19} 8 31.3 211°.23 3°.8/27.4 18

7 30	23 0.83	−15 15.6	1.840	2.739	12.1	19.5
8 9	22 55.77	−16 37.3	1.778	2.736	8.6	19.3
8 19	22 48.80	−18 3.7	1.740	2.733	5.2	19.1
8 29	22 40.63	−19 26.9	1.730	2.729	3.8	19.0
9 8	22 32.19	−20 39.0	1.746	2.725	6.2	19.2
9 18	22 24.48	−21 33.8	1.789	2.721	9.8	19.4
9 28	22 18.39	−22 8.0	1.856	2.716	13.1	19.6
10 8	22 14.54	−22 21.3	1.942	2.712	16.0	19.8

198337 2004 UE_4 8 31.3 201°.12 4°.6/27.4 18

7 30	23 10.54	−22 56.8	2.332	3.210	10.7	20.5
8 9	23 2.36	−23 21.4	2.264	3.206	8.0	20.4
8 19	22 52.37	−23 41.5	2.222	3.201	5.5	20.2
8 29	22 41.30	−23 51.6	2.208	3.195	4.6	20.1
9 8	22 30.09	−23 47.9	2.224	3.189	6.2	20.2
9 18	22 19.70	−23 28.5	2.268	3.182	8.9	20.4
9 28	22 10.95	−22 53.6	2.339	3.174	11.7	20.6
10 8	22 4.41	−22 5.1	2.432	3.166	14.0	20.7

286768 2002 JO_{11} 8 31.3 21°.13 7°.5/ 5.6 17

7 30	22 55.57	+ 6 33.2	0.813	1.707	23.6	18.9
8 9	22 53.03	+ 7 3.9	0.781	1.721	18.8	18.7
8 19	22 47.58	+ 6 57.5	0.763	1.738	13.6	18.5
8 29	22 40.42	+ 6 15.6	0.763	1.756	9.0	18.3
9 8	22 33.19	+ 5 6.9	0.782	1.777	7.7	18.4
9 18	22 27.44	+ 3 44.1	0.821	1.800	10.8	18.6
9 28	22 24.38	+ 2 21.5	0.880	1.824	15.2	19.0
10 8	22 24.58	+ 1 10.6	0.956	1.850	19.3	19.3

215729 2004 CN_{20} 8 31.3 45°.29 3°.9/28.1 17

7 30	23 0.68	−13 16.7	1.278	2.190	15.3	19.8
8 9	22 56.10	−14 41.2	1.234	2.199	10.9	19.5
8 19	22 49.12	−16 13.0	1.212	2.208	6.3	19.3
8 29	22 40.70	−17 41.5	1.214	2.218	3.9	19.2
9 8	22 32.15	−18 56.0	1.241	2.227	7.0	19.4
9 18	22 24.74	−19 49.1	1.291	2.238	11.4	19.7
9 28	22 19.53	−20 17.2	1.364	2.248	15.4	20.0
10 8	22 17.13	−20 20.6	1.454	2.259	18.8	20.2

353759 2012 CE_8 8 31.3 74°.34 1°.0/30.1 18

7 30	22 57.24	− 8 19.1	2.230	3.113	10.9	20.2
8 9	22 52.84	− 9 17.8	2.168	3.119	7.7	20.0
8 19	22 47.00	−10 24.7	2.131	3.125	4.3	19.8
8 29	22 40.30	−11 34.7	2.122	3.130	1.1	19.6
9 8	22 33.46	−12 42.0	2.141	3.136	3.4	19.8
9 18	22 27.20	−13 41.4	2.188	3.142	6.9	20.0
9 28	22 22.18	−14 29.0	2.261	3.148	10.0	20.2
10 8	22 18.89	−15 2.4	2.357	3.153	12.7	20.4

51021 2000 GZ_{108} 8 31.3 229°.96 2°.1/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 3.26	−11 36.6	1.800	2.690	12.7	19.8
8 9	22 57.59	−12 26.0	1.727	2.682	9.1	19.5
8 19	22 49.89	−13 22.9	1.678	2.672	5.1	19.3
8 29	22 40.87	−14 21.0	1.656	2.662	2.1	19.1
9 8	22 31.51	−15 13.4	1.660	2.652	4.8	19.2
9 18	22 22.87	−15 54.3	1.692	2.641	8.9	19.5
9 28	22 15.91	−16 19.8	1.748	2.630	12.7	19.7
10 8	22 11.30	−16 28.5	1.826	2.619	16.0	19.9

143936 2003 YR_{105} 8 31.3 250°.36 3°.5/28.1 18

7 30	23 2.46	−13 40.8	1.622	2.522	13.4	20.2
8 9	22 57.27	−14 57.6	1.550	2.509	9.6	20.0
8 19	22 49.83	−16 22.4	1.501	2.495	5.6	19.7
8 29	22 40.87	−17 46.7	1.478	2.481	3.6	19.6
9 8	22 31.48	−19 1.3	1.482	2.467	6.4	19.7
9 18	22 22.83	−19 58.6	1.512	2.452	10.6	19.9
9 28	22 16.02	−20 34.4	1.565	2.437	14.5	20.1
10 8	22 11.78	−20 47.5	1.637	2.421	17.9	20.3

499661 2010 VE_{124} 8 31.3 297°.99 1°.9/29.5 17

7 30	23 0.04	−12 21.5	2.039	2.931	11.4	21.7
8 9	22 55.12	−12 55.5	1.959	2.914	8.2	21.5
8 19	22 48.43	−13 34.9	1.902	2.897	4.6	21.2
8 29	22 40.60	−14 15.0	1.873	2.880	1.9	21.0
9 8	22 32.45	−14 50.4	1.871	2.863	4.3	21.1
9 18	22 24.87	−15 16.5	1.896	2.846	8.1	21.3
9 28	22 18.70	−15 30.2	1.946	2.830	11.5	21.5
10 8	22 14.55	−15 29.8	2.017	2.814	14.6	21.7

452308 1998 SE_{34} 8 31.3 348°.09 7°.5/27.9 17

7 30	23 13.62	−28 29.2	1.495	2.386	14.8	19.8
8 9	23 5.37	−28 16.5	1.430	2.373	11.6	19.6
8 19	22 54.34	−27 49.5	1.388	2.362	8.7	19.4
8 29	22 41.69	−27 1.2	1.370	2.352	7.6	19.3
9 8	22 28.96	−25 48.0	1.379	2.343	9.3	19.4
9 18	22 17.66	−24 11.5	1.413	2.336	12.5	19.5
9 28	22 9.00	−22 16.5	1.471	2.330	16.0	19.7
10 8	22 3.62	−20 9.2	1.549	2.326	19.1	20.0

78912 2003 SK_{99} 8 31.3 270°.82 3°.1/ 3.2 18

7 30	23 1.74	+ 1 43.1	2.481	3.316	11.5	18.9
8 9	22 56.08	+ 2 3.4	2.387	3.301	9.0	18.7
8 19	22 48.89	+ 2 12.3	2.318	3.286	6.1	18.5
8 29	22 40.69	+ 2 10.6	2.276	3.271	3.6	18.3
9 8	22 32.17	+ 2 0.3	2.262	3.256	3.6	18.3
9 18	22 24.08	+ 1 44.0	2.278	3.240	6.1	18.4
9 28	22 17.14	+ 1 25.4	2.320	3.225	9.0	18.6
10 8	22 11.90	+ 1 8.3	2.387	3.209	11.8	18.7

501866 2014 WH_{283} 8 31.3 330°.90 5°.5/27.4 17

7 30	22 58.61	−15 17.0	0.978	1.908	17.2	21.1
8 9	22 55.44	−16 36.3	0.920	1.893	12.5	20.7
8 19	22 49.18	−18 5.2	0.882	1.879	7.7	20.4
8 29	22 40.79	−19 30.7	0.864	1.866	5.6	20.3
9 8	22 31.85	−20 39.0	0.868	1.854	9.2	20.4
9 18	22 24.08	−21 19.8	0.892	1.844	14.5	20.7
9 28	22 19.00	−21 28.7	0.935	1.834	19.4	21.0
10 8	22 17.49	−21 6.5	0.992	1.826	23.6	21.2

42216 2001 DX_{52} 8 31.3 311°.22 1°.7/30.0 18

7 30	23 2.13	−11 10.4	1.559	2.456	13.9	18.9
8 9	22 57.02	−11 36.8	1.487	2.444	10.0	18.7
8 19	22 49.67	−12 10.8	1.437	2.433	5.6	18.4
8 29	22 40.85	−12 46.8	1.413	2.421	1.8	18.1
9 8	22 31.66	−13 18.3	1.414	2.410	4.8	18.3
9 18	22 23.28	−13 39.9	1.441	2.399	9.4	18.5
9 28	22 16.77	−13 47.5	1.491	2.388	13.6	18.7
10 8	22 12.85	−13 39.8	1.562	2.378	17.2	19.0

202168 2004 VA_{60} 8 31.3 34°.55 9°.3/ 8.3 17

7 30	23 0.36	+13 59.2	1.408	2.221	19.8	19.2
8 9	22 55.78	+14 43.2	1.353	2.232	16.7	19.0
8 19	22 48.95	+14 56.6	1.315	2.244	13.4	18.8
8 29	22 40.71	+14 37.8	1.297	2.257	10.5	18.7
9 8	22 32.24	+13 49.6	1.303	2.271	9.3	18.7
9 18	22 24.73	+12 38.8	1.331	2.285	10.4	18.8
9 28	22 19.24	+11 15.7	1.382	2.300	13.0	19.0
10 8	22 16.42	+ 9 50.8	1.454	2.315	15.9	19.2

339349 2005 AW_{6} 8 31.3 243°.55 5°.6/24.8 18

7 30	23 1.61	−22 2.4	2.089	2.986	10.9	21.2
8 9	22 56.32	−23 33.8	2.021	2.972	8.2	21.0
8 19	22 49.15	−25 4.7	1.978	2.958	6.1	20.8
8 29	22 40.76	−26 27.0	1.963	2.943	5.8	20.8
9 8	22 32.02	−27 33.3	1.975	2.927	7.8	20.9
9 18	22 23.88	−28 18.6	2.013	2.911	10.7	21.0
9 28	22 17.24	−28 40.9	2.074	2.895	13.5	21.2
10 8	22 12.74	−28 40.8	2.154	2.878	15.9	21.3

367853 2011 CW_{29} 8 31.3 94°.35 2°.0/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 58.47	− 0 17.2	2.584	3.433	10.7	20.8
8 9	22 53.55	− 0 23.3	2.514	3.439	8.1	20.7
8 19	22 47.35	− 0 40.0	2.467	3.444	5.2	20.5
8 29	22 40.40	− 1 5.5	2.448	3.450	2.5	20.3
9 8	22 33.31	− 1 36.6	2.458	3.456	2.7	20.3
9 18	22 26.72	− 2 9.9	2.496	3.462	5.4	20.5
9 28	22 21.23	− 2 41.7	2.561	3.467	8.2	20.7
10 8	22 17.27	− 3 8.7	2.651	3.473	10.7	20.9

262258 2006 SA_{327} 8 31.3 260°.85 0°.8/30.6 18

7 30	23 3.32	− 7 54.3	1.730	2.613	13.5	22.2
8 9	22 57.85	− 8 37.0	1.642	2.592	9.8	21.9
8 19	22 50.19	− 9 31.7	1.578	2.571	5.5	21.6
8 29	22 40.98	−10 32.9	1.539	2.548	1.1	21.2
9 8	22 31.24	−11 33.8	1.528	2.525	4.2	21.4
9 18	22 22.09	−12 27.3	1.544	2.502	8.9	21.6
9 28	22 14.61	−13 7.9	1.585	2.478	13.2	21.8
10 8	22 9.59	−13 32.3	1.646	2.453	16.8	22.0

120178 2003 OP_{32} 8 31.3 72°.39 0°.2/ 4.7 18

7 30	22 40.99	+ 3 3.8	41.743	42.556	0.8	20.3
8 9	22 40.36	+ 3 0.3	41.662	42.559	0.6	20.3
8 19	22 39.67	+ 2 56.0	41.606	42.561	0.5	20.2
8 29	22 38.95	+ 2 51.1	41.577	42.564	0.3	20.2
9 8	22 38.23	+ 2 45.7	41.578	42.567	0.3	20.2
9 18	22 37.53	+ 2 39.9	41.607	42.570	0.4	20.2
9 28	22 36.87	+ 2 34.0	41.666	42.573	0.6	20.3
10 8	22 36.28	+ 2 28.0	41.750	42.576	0.8	20.3

121523 1999 UP_{28} 8 31.3 96°.75 0°.1/31.2 18

7 30	23 1.30	− 6 10.2	1.780	2.661	13.3	19.8
8 9	22 56.00	− 6 50.2	1.723	2.671	9.6	19.6
8 19	22 48.89	− 7 41.3	1.690	2.682	5.4	19.4
8 29	22 40.69	− 8 38.3	1.683	2.692	1.0	19.1
9 8	22 32.37	− 9 34.8	1.703	2.702	3.5	19.3
9 18	22 24.87	−10 25.0	1.751	2.712	7.7	19.6
9 28	22 19.01	−11 4.1	1.823	2.722	11.4	19.9
10 8	22 15.34	−11 29.4	1.917	2.732	14.5	20.1

112999 2002 RG_{38} 8 31.3 76°.84 2°.2/ 2.1 18

7 30	23 3.12	− 1 41.0	1.786	2.650	14.1	19.2
8 9	22 57.28	− 1 39.5	1.728	2.663	10.5	19.0
8 19	22 49.59	− 1 51.6	1.693	2.675	6.6	18.8
8 29	22 40.83	− 2 14.5	1.683	2.688	2.8	18.6
9 8	22 31.94	− 2 44.0	1.701	2.700	3.4	18.6
9 18	22 23.90	− 3 15.0	1.745	2.713	7.2	18.9
9 28	22 17.55	− 3 42.8	1.816	2.725	10.8	19.2
10 8	22 13.43	− 4 3.5	1.908	2.738	14.0	19.4

438340 2006 QV_{118} 8 31.3 328°.49 3°.0/28.3 17

7 30	22 54.31	−10 4.8	1.425	2.336	14.1	20.2
8 9	22 51.62	−11 44.1	1.348	2.313	10.1	19.9
8 19	22 46.75	−13 39.6	1.293	2.291	5.7	19.6
8 29	22 40.34	−15 41.7	1.263	2.269	3.0	19.4
9 8	22 33.44	−17 38.4	1.258	2.248	6.4	19.5
9 18	22 27.18	−19 18.4	1.279	2.228	11.1	19.8
9 28	22 22.72	−20 33.6	1.321	2.210	15.6	20.0
10 8	22 20.83	−21 20.4	1.381	2.192	19.3	20.2

25889 2000 VK_{29} 8 31.3 22°.60 11°.5/21.7 18

7 30	23 1.62	−31 20.4	1.232	2.145	15.7	16.6
8 9	22 57.05	−33 11.3	1.207	2.153	13.0	16.4
8 19	22 49.74	−34 45.7	1.203	2.162	11.6	16.4
8 29	22 40.85	−35 50.8	1.221	2.172	12.0	16.4
9 8	22 31.96	−36 18.9	1.260	2.183	14.0	16.6
9 18	22 24.53	−36 8.7	1.319	2.195	16.6	16.8
9 28	22 19.68	−35 23.8	1.395	2.207	19.3	17.0
10 8	22 17.95	−34 10.9	1.487	2.221	21.5	17.2

44474 1998 WE 8 31.3 233°.45 0°.6/30.5 18

7 30	22 58.17	− 8 40.0	2.690	3.566	9.5	19.3
8 9	22 53.38	− 9 17.2	2.610	3.557	6.8	19.1
8 19	22 47.30	−10 1.0	2.555	3.548	3.8	18.9
8 29	22 40.41	−10 47.8	2.529	3.538	0.8	18.7
9 8	22 33.31	−11 33.4	2.532	3.528	2.9	18.9
9 18	22 26.64	−12 14.0	2.564	3.518	6.0	19.0
9 28	22 21.01	−12 46.4	2.622	3.508	8.9	19.2
10 8	22 16.89	−13 8.5	2.705	3.497	11.4	19.4

252201 2001 FJ_{84} 8 31.3 131°.73 0°.3/31.6 17

7 30	23 3.27	− 4 24.5	1.730	2.604	14.0	21.6
8 9	22 57.46	− 5 12.4	1.673	2.617	10.1	21.4
8 19	22 49.73	− 6 13.8	1.639	2.629	5.8	21.1
8 29	22 40.87	− 7 23.0	1.631	2.640	1.2	20.8
9 8	22 31.86	− 8 32.9	1.651	2.651	3.4	21.0
9 18	22 23.72	− 9 36.7	1.699	2.661	7.8	21.3
9 28	22 17.32	−10 28.9	1.772	2.671	11.7	21.6
10 8	22 13.23	−11 6.3	1.867	2.680	14.9	21.8

132420 2002 GQ_{135} 8 31.3 252°.04 2°.3/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 4.09	−13 13.3	1.978	2.866	11.9	21.3
8 9	22 58.13	−13 49.7	1.896	2.849	8.6	21.1
8 19	22 50.21	−14 31.0	1.838	2.832	4.9	20.8
8 29	22 40.98	−15 12.0	1.808	2.814	2.3	20.6
9 8	22 31.38	−15 46.9	1.805	2.795	4.8	20.7
9 18	22 22.38	−16 11.0	1.830	2.776	8.6	20.9
9 28	22 14.94	−16 21.2	1.880	2.757	12.2	21.1
10 8	22 9.72	−16 16.6	1.951	2.737	15.3	21.3

288321 2004 BM_{53} 8 31.3 226°.04 1°.4/ 1.6 18

7 30	23 0.50	− 2 35.7	2.013	2.878	12.7	21.1
8 9	22 55.39	− 2 55.1	1.938	2.875	9.4	20.9
8 19	22 48.56	− 3 27.2	1.886	2.871	5.7	20.6
8 29	22 40.66	− 4 8.7	1.861	2.868	2.0	20.4
9 8	22 32.51	− 4 55.0	1.863	2.864	3.0	20.4
9 18	22 24.97	− 5 40.9	1.894	2.860	6.8	20.7
9 28	22 18.85	− 6 21.6	1.950	2.856	10.4	20.9
10 8	22 14.73	− 6 53.0	2.029	2.851	13.5	21.1

191017 2002 AM_{76} 8 31.3 314°.32 4°.9/27.1 18

7 30	23 1.28	−17 17.2	1.509	2.417	13.6	20.0
8 9	22 56.47	−18 29.5	1.449	2.411	9.9	19.8
8 19	22 49.38	−19 45.0	1.413	2.404	6.3	19.5
8 29	22 40.84	−20 54.5	1.401	2.398	4.9	19.4
9 8	22 31.99	−21 49.2	1.414	2.392	7.5	19.6
9 18	22 24.04	−22 23.1	1.452	2.386	11.4	19.8
9 28	22 18.07	−22 33.5	1.512	2.381	15.1	20.0
10 8	22 14.76	−22 21.0	1.590	2.376	18.3	20.2

321015 2008 LZ_{2} 8 31.3 334°.60 5°.5/25.3 18

7 30	22 58.49	−21 27.6	1.916	2.822	11.3	20.3
8 9	22 54.10	−22 47.2	1.859	2.815	8.4	20.1
8 19	22 47.89	−24 5.7	1.826	2.809	6.1	19.9
8 29	22 40.54	−25 15.1	1.819	2.803	5.7	19.9
9 8	22 32.97	−26 8.5	1.838	2.798	7.7	20.0
9 18	22 26.11	−26 41.4	1.882	2.793	10.6	20.2
9 28	22 20.80	−26 52.0	1.949	2.788	13.5	20.4
10 8	22 17.63	−26 41.3	2.035	2.784	16.0	20.5

374726 2006 SU_{61} 8 31.3 8°.94 0°.9/ 1.0 17

7 30	22 56.65	− 2 10.9	1.109	2.011	18.0	20.4
8 9	22 53.51	− 3 7.8	1.055	2.011	13.3	20.1
8 19	22 47.84	− 4 28.6	1.020	2.013	7.8	19.8
8 29	22 40.56	− 6 5.7	1.007	2.016	2.1	19.5
9 8	22 32.98	− 7 47.5	1.018	2.019	4.3	19.6
9 18	22 26.47	− 9 21.7	1.051	2.024	9.9	20.0
9 28	22 22.21	−10 38.3	1.107	2.030	15.0	20.3
10 8	22 20.89	−11 31.6	1.181	2.036	19.2	20.6

183572 2003 QV_{31} 8 31.3 22°.05 1°.5/ 1.3 18

7 30	23 0.70	− 3 22.2	1.077	1.977	18.5	19.9
8 9	22 56.45	− 3 40.2	1.027	1.982	13.7	19.6
8 19	22 49.49	− 4 18.3	0.996	1.988	8.2	19.4
8 29	22 40.86	− 5 10.6	0.987	1.995	2.5	19.0
9 8	22 32.01	− 6 8.5	1.000	2.002	4.3	19.2
9 18	22 24.39	− 7 2.7	1.037	2.011	9.9	19.5
9 28	22 19.22	− 7 45.1	1.095	2.020	14.9	19.9
10 8	22 17.17	− 8 11.0	1.172	2.029	19.1	20.2

257975 2001 CQ_{40} 8 31.3 249°.96 5°.2/24.8 18

7 30	23 1.12	−24 48.9	2.604	3.494	9.3	20.7
8 9	22 55.66	−25 52.4	2.533	3.477	7.1	20.5
8 19	22 48.67	−26 52.8	2.488	3.461	5.5	20.4
8 29	22 40.70	−27 44.1	2.471	3.443	5.3	20.4
9 8	22 32.48	−28 21.5	2.481	3.426	6.9	20.5
9 18	22 24.77	−28 41.8	2.518	3.408	9.1	20.6
9 28	22 18.28	−28 43.8	2.579	3.389	11.4	20.7
10 8	22 13.57	−28 28.4	2.660	3.371	13.5	20.8

402451 2006 BC_{64} 8 31.3 247°.32 0°.8/30.3 18

7 30	22 58.17	− 8 45.6	2.588	3.465	9.8	21.6
8 9	22 53.46	− 9 31.7	2.504	3.452	7.0	21.4
8 19	22 47.40	−10 25.1	2.445	3.438	3.9	21.2
8 29	22 40.47	−11 21.8	2.415	3.424	0.9	20.9
9 8	22 33.28	−12 17.2	2.414	3.410	3.1	21.1
9 18	22 26.51	−13 6.8	2.442	3.395	6.3	21.3
9 28	22 20.81	−13 47.1	2.496	3.380	9.3	21.5
10 8	22 16.67	−14 15.7	2.574	3.364	11.9	21.6

427638 2003 UQ_{231} 8 31.3 272°.19 2°.8/29.3 18

7 30	23 5.86	−13 24.9	1.499	2.396	14.4	21.7
8 9	22 59.96	−13 59.4	1.421	2.378	10.4	21.4
8 19	22 51.50	−14 40.3	1.365	2.360	6.0	21.1
8 29	22 41.29	−15 20.6	1.335	2.341	2.8	20.9
9 8	22 30.54	−15 53.0	1.330	2.322	5.8	21.0
9 18	22 20.59	−16 11.4	1.351	2.303	10.5	21.2
9 28	22 12.71	−16 12.4	1.395	2.283	15.0	21.4
10 8	22 7.72	−15 55.3	1.458	2.263	18.8	21.7

389172 2009 BS_{107} 8 31.3 96°.99 1°.2/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 59.37	− 8 53.1	1.900	2.788	12.3	21.2
8 9	22 54.62	− 9 49.4	1.838	2.791	8.7	20.9
8 19	22 48.15	−10 54.8	1.800	2.794	4.8	20.7
8 29	22 40.61	−12 3.5	1.788	2.797	1.3	20.5
9 8	22 32.90	−13 8.6	1.805	2.800	4.0	20.7
9 18	22 25.87	−14 4.4	1.848	2.803	7.9	20.9
9 28	22 20.35	−14 46.4	1.916	2.806	11.4	21.2
10 8	22 16.88	−15 12.5	2.006	2.808	14.4	21.4

436554 2011 HF_{3} 8 31.3 43°.72 7°.2/25.4 16

7 30	23 2.52	−22 46.6	1.390	2.302	14.3	20.2
8 9	22 57.33	−24 12.3	1.356	2.314	10.7	20.1
8 19	22 49.80	−25 32.8	1.343	2.326	7.9	19.9
8 29	22 40.92	−26 37.6	1.355	2.338	7.4	19.9
9 8	22 32.02	−27 18.6	1.391	2.351	9.7	20.1
9 18	22 24.33	−27 32.2	1.450	2.365	12.9	20.3
9 28	22 18.87	−27 18.7	1.530	2.378	16.1	20.6
10 8	22 16.18	−26 41.6	1.628	2.392	18.8	20.8

350329 2012 UG_{78} 8 31.3 244°.74 12°.2/15.9 17

7 30	22 59.72	+30 14.1	2.108	2.764	18.5	21.0
8 9	22 55.13	+30 50.3	2.019	2.757	16.9	20.8
8 19	22 48.60	+30 55.7	1.944	2.749	15.3	20.7
8 29	22 40.76	+30 26.1	1.888	2.741	13.7	20.6
9 8	22 32.49	+29 20.6	1.852	2.732	12.5	20.5
9 18	22 24.79	+27 42.1	1.839	2.724	12.2	20.4
9 28	22 18.62	+25 37.9	1.849	2.715	12.9	20.5
10 8	22 14.65	+23 18.5	1.882	2.706	14.4	20.5

30084 2000 EV_{110} 8 31.3 121°.13 3°.6/28.4 17

7 30	23 4.16	−15 4.1	1.603	2.502	13.5	19.4
8 9	22 58.32	−16 0.5	1.551	2.509	9.7	19.2
8 19	22 50.34	−17 0.5	1.522	2.515	5.7	19.0
8 29	22 41.08	−17 56.5	1.519	2.521	3.6	18.9
9 8	22 31.68	−18 41.1	1.542	2.527	6.1	19.0
9 18	22 23.26	−19 9.1	1.591	2.533	10.0	19.3
9 28	22 16.79	−19 18.3	1.663	2.538	13.6	19.5
10 8	22 12.86	−19 8.8	1.756	2.544	16.7	19.7

159264 2005 YY_{185} 8 31.3 243°.64 0°.9/30.3 18

7 30	22 59.09	− 9 31.1	2.486	3.365	10.1	21.2
8 9	22 54.17	−10 6.3	2.407	3.356	7.2	21.0
8 19	22 47.83	−10 47.9	2.353	3.346	4.0	20.7
8 29	22 40.61	−11 32.0	2.328	3.337	1.0	20.5
9 8	22 33.17	−12 14.2	2.331	3.327	3.2	20.7
9 18	22 26.20	−12 50.5	2.363	3.317	6.5	20.9
9 28	22 20.37	−13 17.7	2.421	3.306	9.5	21.0
10 8	22 16.18	−13 33.9	2.502	3.296	12.1	21.2

405235 2003 SS_{121} 8 31.3 40°.22 0°.0/31.1 18

7 30	23 2.17	− 8 11.7	2.022	2.901	12.0	20.6
8 9	22 56.48	− 8 13.6	1.962	2.909	8.7	20.4
8 19	22 49.14	− 8 22.3	1.926	2.918	4.9	20.2
8 29	22 40.85	− 8 34.7	1.918	2.927	0.9	19.9
9 8	22 32.45	− 8 47.0	1.937	2.936	3.1	20.1
9 18	22 24.80	− 8 55.8	1.983	2.945	6.9	20.3
9 28	22 18.66	− 8 58.3	2.056	2.955	10.3	20.6
10 8	22 14.51	− 8 52.6	2.151	2.965	13.2	20.8

166098 2002 CT_{153} 8 31.3 333°.47 2°.5/29.5 18

7 30	22 57.03	− 9 12.8	1.023	1.944	17.4	19.4
8 9	22 54.18	−10 21.3	0.962	1.931	12.6	19.1
8 19	22 48.47	−11 47.6	0.919	1.918	7.0	18.7
8 29	22 40.79	−13 21.6	0.898	1.906	2.5	18.4
9 8	22 32.58	−14 50.2	0.899	1.895	6.6	18.7
9 18	22 25.40	−16 1.3	0.922	1.885	12.4	18.9
9 28	22 20.69	−16 46.6	0.964	1.877	17.7	19.2
10 8	22 19.30	−17 3.4	1.023	1.870	22.1	19.5

119017 2001 AE_{27} 8 31.3 275°.40 4°.9/26.0 18

7 30	23 0.83	−21 43.9	2.192	3.089	10.5	19.4
8 9	22 55.65	−22 43.0	2.126	3.078	7.8	19.2
8 19	22 48.76	−23 40.5	2.084	3.066	5.5	19.1
8 29	22 40.80	−24 30.0	2.070	3.055	5.0	19.0
9 8	22 32.61	−25 5.9	2.082	3.044	6.8	19.1
9 18	22 25.03	−25 24.6	2.121	3.033	9.5	19.3
9 28	22 18.88	−25 24.5	2.183	3.021	12.3	19.4
10 8	22 14.72	−25 6.5	2.266	3.010	14.7	19.6

483783 2005 UK_{414} 8 31.3 278°.53 1°.2/30.0 17

7 30	22 59.43	−10 7.6	2.158	3.043	11.1	22.5
8 9	22 54.63	−10 46.8	2.078	3.030	8.0	22.3
8 19	22 48.19	−11 33.2	2.023	3.016	4.4	22.0
8 29	22 40.70	−12 22.2	1.994	3.003	1.3	21.8
9 8	22 32.92	−13 8.5	1.994	2.989	3.7	21.9
9 18	22 25.67	−13 47.4	2.022	2.975	7.4	22.1
9 28	22 19.73	−14 15.2	2.075	2.962	10.8	22.3
10 8	22 15.67	−14 29.7	2.150	2.948	13.7	22.5

126526 2002 CJ_{82} 8 31.3 46°.16 1°.1/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 0.66	− 8 17.0	1.442	2.340	14.8	19.4
8 9	22 55.88	− 9 6.9	1.394	2.351	10.6	19.1
8 19	22 48.98	−10 7.9	1.368	2.363	5.9	18.9
8 29	22 40.84	−11 12.9	1.367	2.376	1.3	18.6
9 8	22 32.59	−12 13.8	1.391	2.388	4.5	18.9
9 18	22 25.34	−13 3.7	1.441	2.401	9.1	19.2
9 28	22 20.04	−13 37.8	1.514	2.415	13.2	19.5
10 8	22 17.27	−13 54.2	1.607	2.429	16.5	19.7

212344 2005 UJ_{13} 8 31.3 238°.55 0°.9/29.9 17

7 30	22 56.08	−11 0.3	3.482	4.359	7.5	21.1
8 9	22 51.67	−11 28.6	3.403	4.351	5.4	21.0
8 19	22 46.30	−12 0.5	3.349	4.342	3.0	20.8
8 29	22 40.33	−12 33.2	3.325	4.333	0.9	20.6
9 8	22 34.22	−13 3.9	3.330	4.324	2.5	20.8
9 18	22 28.44	−13 30.1	3.365	4.315	4.9	20.9
9 28	22 23.44	−13 49.6	3.427	4.305	7.2	21.1
10 8	22 19.58	−14 1.1	3.514	4.296	9.2	21.2

309726 2008 HZ_{68} 8 31.3 198°.46 4°.5/25.8 18

7 30	22 59.15	−20 33.0	2.331	3.228	10.0	20.7
8 9	22 54.31	−21 49.0	2.274	3.227	7.3	20.6
8 19	22 47.95	−23 4.4	2.243	3.226	5.1	20.4
8 29	22 40.65	−24 12.6	2.239	3.225	4.7	20.4
9 8	22 33.17	−25 7.9	2.262	3.223	6.4	20.5
9 18	22 26.27	−25 46.5	2.313	3.221	9.0	20.7
9 28	22 20.68	−26 6.4	2.387	3.220	11.5	20.8
10 8	22 16.90	−26 8.1	2.482	3.218	13.7	21.0

66357 1999 JN_{87} 8 31.3 10°.05 9°.5/24.8 18

7 30	22 58.42	−22 47.0	0.898	1.834	17.6	17.3
8 9	22 55.31	−24 27.8	0.865	1.836	13.4	17.1
8 19	22 49.04	−26 2.8	0.851	1.839	10.1	16.9
8 29	22 40.87	−27 16.3	0.857	1.844	9.8	16.9
9 8	22 32.57	−27 56.4	0.883	1.850	12.6	17.1
9 18	22 25.83	−27 58.4	0.928	1.858	16.6	17.4
9 28	22 21.98	−27 24.0	0.990	1.868	20.4	17.6
10 8	22 21.58	−26 19.2	1.066	1.879	23.7	17.9

5771 Somerville 8 31.3 326°.76 4°.1/ 3.7 18 R

7 30	22 59.08	+ 2 50.0	1.831	2.683	14.3	16.6
8 9	22 54.68	+ 3 10.5	1.743	2.665	11.3	16.3
8 19	22 48.37	+ 3 14.8	1.677	2.647	7.9	16.1
8 29	22 40.77	+ 3 3.5	1.636	2.630	4.8	15.9
9 8	22 32.74	+ 2 39.2	1.620	2.614	4.6	15.8
9 18	22 25.24	+ 2 6.2	1.630	2.598	7.5	16.0
9 28	22 19.22	+ 1 30.1	1.665	2.583	11.1	16.2
10 8	22 15.36	+ 0 56.7	1.723	2.569	14.5	16.3

252744 2002 EL_{3} 8 31.3 75°.71 0°.8/30.8 17

7 30	23 8.16	− 9 13.5	1.296	2.190	16.4	20.4
8 9	23 1.36	− 9 26.7	1.253	2.207	11.8	20.2
8 19	22 52.09	− 9 49.2	1.231	2.225	6.6	20.0
8 29	22 41.43	−10 15.1	1.233	2.242	1.3	19.7
9 8	22 30.78	−10 38.0	1.261	2.259	4.5	20.0
9 18	22 21.49	−10 52.6	1.314	2.277	9.5	20.3
9 28	22 14.62	−10 55.4	1.390	2.294	13.9	20.6
10 8	22 10.72	−10 45.3	1.486	2.310	17.5	20.9

174609 2003 SZ_{25} 8 31.3 306°.73 0°.7/30.8 18

7 30	23 2.05	− 7 28.7	1.312	2.210	16.0	20.1
8 9	22 57.30	− 8 7.7	1.246	2.203	11.6	19.8
8 19	22 50.03	− 9 0.8	1.201	2.196	6.5	19.5
8 29	22 41.09	−10 1.6	1.180	2.190	1.2	19.1
9 8	22 31.74	−11 1.3	1.184	2.183	4.7	19.4
9 18	22 23.34	−11 51.8	1.213	2.177	10.0	19.7
9 28	22 17.10	−12 26.9	1.264	2.171	14.7	19.9
10 8	22 13.76	−12 43.5	1.333	2.165	18.7	20.2

478744 2012 UC_{84} 8 31.3 321°.27 4°.2/28.3 18

7 30	23 3.76	−17 26.3	1.529	2.433	13.7	20.4
8 9	22 58.30	−18 0.3	1.463	2.422	10.0	20.2
8 19	22 50.48	−18 35.6	1.420	2.412	6.2	20.0
8 29	22 41.16	−19 5.0	1.401	2.402	4.2	19.8
9 8	22 31.52	−19 21.7	1.408	2.392	6.7	19.9
9 18	22 22.80	−19 21.4	1.440	2.383	10.7	20.2
9 28	22 16.11	−19 2.5	1.494	2.374	14.6	20.4
10 8	22 12.13	−18 25.8	1.568	2.366	18.0	20.6

509801 2008 UX_{337} 8 31.3 208°.30 5°.7/25.2 18

7 30	23 4.85	−25 0.6	2.258	3.146	10.6	22.2
8 9	22 58.49	−26 3.0	2.197	3.141	8.1	22.1
8 19	22 50.35	−27 0.8	2.162	3.134	6.2	21.9
8 29	22 41.12	−27 47.3	2.154	3.128	5.9	21.9
9 8	22 31.68	−28 17.3	2.173	3.120	7.6	22.0
9 18	22 22.96	−28 27.8	2.219	3.112	10.0	22.1
9 28	22 15.77	−28 18.2	2.288	3.104	12.5	22.3
10 8	22 10.68	−27 50.3	2.377	3.094	14.7	22.5

448615 2010 UK_{57} 8 31.3 304°.67 1°.5/29.8 18

7 30	23 0.14	−11 45.4	2.211	3.098	10.8	21.6
8 9	22 55.02	−12 16.4	2.143	3.096	7.7	21.4
8 19	22 48.35	−12 52.3	2.101	3.095	4.3	21.1
8 29	22 40.74	−13 28.6	2.085	3.093	1.6	21.0
9 8	22 32.95	−14 0.8	2.098	3.092	3.8	21.1
9 18	22 25.77	−14 24.9	2.139	3.090	7.2	21.3
9 28	22 19.92	−14 38.3	2.205	3.089	10.4	21.5
10 8	22 15.92	−14 39.6	2.293	3.087	13.1	21.7

43336 2000 QT_{148} 8 31.3 255°.72 5°.9/ 5.9 18

7 30	23 0.31	+ 9 48.2	1.939	2.751	15.2	19.2
8 9	22 55.49	+ 9 53.3	1.850	2.739	12.4	19.0
8 19	22 48.81	+ 9 36.4	1.782	2.726	9.4	18.8
8 29	22 40.85	+ 8 57.4	1.737	2.714	6.8	18.6
9 8	22 32.49	+ 7 59.0	1.718	2.701	5.9	18.5
9 18	22 24.65	+ 6 46.8	1.726	2.687	7.8	18.6
9 28	22 18.25	+ 5 28.0	1.760	2.674	10.9	18.7
10 8	22 13.97	+ 4 10.6	1.817	2.660	14.0	18.9

448704 2010 XK_{50} 8 31.3 6°.97 0°.7/30.7 18

7 30	22 58.52	− 8 31.5	1.690	2.584	13.2	20.4
8 9	22 54.19	− 9 0.7	1.630	2.585	9.5	20.1
8 19	22 48.00	− 9 39.2	1.592	2.587	5.3	19.9
8 29	22 40.68	−10 22.0	1.580	2.589	1.1	19.6
9 8	22 33.16	−11 2.9	1.594	2.592	3.8	19.8
9 18	22 26.42	−11 36.8	1.634	2.596	8.1	20.1
9 28	22 21.32	−11 59.2	1.698	2.601	11.9	20.3
10 8	22 18.42	−12 8.1	1.783	2.606	15.1	20.6

255451 2005 YB_{36} 8 31.3 63°.45 4°.6/26.3 18

7 30	23 0.01	−20 39.6	2.159	3.057	10.6	20.3
8 9	22 54.98	−21 43.6	2.106	3.060	7.8	20.1
8 19	22 48.34	−22 46.1	2.078	3.062	5.3	20.0
8 29	22 40.73	−23 40.9	2.076	3.064	4.7	19.9
9 8	22 32.99	−24 22.3	2.102	3.067	6.6	20.0
9 18	22 25.92	−24 46.8	2.154	3.069	9.3	20.2
9 28	22 20.29	−24 53.0	2.230	3.071	11.9	20.4
10 8	22 16.61	−24 41.5	2.326	3.074	14.2	20.6

121226 1999 RZ_{28} 8 31.3 305°.08 6°.5/ 6.7 17

7 30	22 54.81	+14 41.5	0.999	1.845	23.9	19.2
8 9	22 52.70	+13 6.6	0.922	1.833	19.7	18.9
8 19	22 47.73	+10 31.7	0.860	1.821	14.6	18.6
8 29	22 40.70	+ 6 57.4	0.818	1.810	9.1	18.3
9 8	22 32.98	+ 2 38.0	0.801	1.799	6.6	18.1
9 18	22 26.19	− 1 59.9	0.808	1.788	10.6	18.3
9 28	22 21.85	− 6 24.8	0.839	1.778	16.5	18.6
10 8	22 20.93	−10 12.4	0.891	1.768	22.0	18.9

327634 2006 PM_{5} 8 31.3 349°.41 3°.1/29.6 17

7 30	22 56.39	−12 42.6	0.864	1.798	18.3	19.1
8 9	22 54.01	−13 5.5	0.810	1.785	13.3	18.8
8 19	22 48.48	−13 38.0	0.773	1.773	7.6	18.4
8 29	22 40.82	−14 11.2	0.755	1.763	3.1	18.1
9 8	22 32.69	−14 35.1	0.758	1.756	7.0	18.3
9 18	22 25.82	−14 41.7	0.781	1.751	12.9	18.6
9 28	22 21.75	−14 26.6	0.822	1.748	18.3	18.9
10 8	22 21.28	−13 49.6	0.878	1.747	22.9	19.2

278896 2008 TL_{108} 8 31.3 94°.57 0°.0/31.4 17

7 30	23 1.70	− 4 41.3	1.776	2.652	13.6	20.1
8 9	22 56.27	− 5 36.6	1.726	2.672	9.8	20.0
8 19	22 49.08	− 6 44.3	1.701	2.691	5.6	19.8
8 29	22 40.87	− 7 58.6	1.701	2.710	1.1	19.5
9 8	22 32.60	− 9 12.4	1.730	2.729	3.4	19.7
9 18	22 25.20	−10 18.9	1.786	2.748	7.5	20.0
9 28	22 19.45	−11 13.0	1.867	2.766	11.2	20.3
10 8	22 15.87	−11 51.8	1.971	2.783	14.3	20.5

116373 2003 YK_{108} 8 31.3 206°.94 4°.4/ 5.3 18

7 30	22 58.70	+ 8 5.3	2.133	2.951	13.8	20.0
8 9	22 54.09	+ 7 39.7	2.051	2.948	11.0	19.8
8 19	22 47.90	+ 6 53.7	1.991	2.945	8.0	19.6
8 29	22 40.67	+ 5 48.7	1.956	2.942	5.2	19.4
9 8	22 33.19	+ 4 29.2	1.948	2.938	4.5	19.4
9 18	22 26.24	+ 3 1.3	1.968	2.934	6.6	19.5
9 28	22 20.59	+ 1 32.3	2.015	2.929	9.7	19.7
10 8	22 16.80	+ 0 8.8	2.087	2.925	12.6	19.9

283713 2002 TS_{108} 8 31.3 3°.24 7°.7/25.5 18

7 30	22 58.99	−22 51.0	1.213	2.136	15.1	19.0
8 9	22 55.18	−24 3.8	1.171	2.135	11.4	18.8
8 19	22 48.79	−25 11.9	1.149	2.135	8.4	18.6
8 29	22 40.84	−26 4.4	1.150	2.136	7.9	18.6
9 8	22 32.74	−26 32.2	1.173	2.139	10.3	18.8
9 18	22 25.84	−26 31.4	1.217	2.143	13.9	19.0
9 28	22 21.28	−26 2.2	1.282	2.149	17.4	19.2
10 8	22 19.67	−25 8.2	1.363	2.156	20.4	19.5

282681 2005 WG_{180} 8 31.3 271.°80 4.°8/26.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 1.68	−21 45.5	2.181	3.077	10.6	20.3
8 9	22 56.23	−22 36.8	2.118	3.069	7.9	20.1
8 19	22 49.09	−23 26.0	2.080	3.062	5.5	20.0
8 29	22 40.90	−24 6.9	2.068	3.055	4.9	19.9
9 8	22 32.51	−24 34.3	2.084	3.047	6.7	20.0
9 18	22 24.79	−24 45.0	2.125	3.040	9.4	20.2
9 28	22 18.53	−24 37.9	2.191	3.033	12.1	20.3
10 8	22 14.28	−24 13.7	2.278	3.025	14.5	20.5

363250 2002 CK_{34} 8 31.3 244.°02 3.°9/26.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.50	−17 56.5	2.178	3.076	10.5	20.5
8 9	22 54.65	−19 4.9	2.116	3.071	7.6	20.3
8 19	22 48.19	−20 14.7	2.078	3.067	4.9	20.1
8 29	22 40.73	−21 19.5	2.068	3.062	4.0	20.1
9 8	22 33.05	−22 13.3	2.085	3.058	6.0	20.2
9 18	22 25.98	−22 51.7	2.130	3.053	8.9	20.4
9 28	22 20.28	−23 12.2	2.198	3.049	11.7	20.5
10 8	22 16.49	−23 14.9	2.287	3.044	14.2	20.7

62797 2000 UH_{36} 8 31.3 315.°87 1.°9/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.79	−11 48.9	1.915	2.808	11.9	19.1
8 9	22 55.03	−12 26.9	1.844	2.799	8.5	18.8
8 19	22 48.48	−13 11.1	1.796	2.791	4.8	18.6
8 29	22 40.79	−13 56.3	1.775	2.782	1.9	18.4
9 8	22 32.84	−14 36.5	1.781	2.774	4.4	18.6
9 18	22 25.54	−15 7.1	1.814	2.766	8.2	18.8
9 28	22 19.74	−15 24.5	1.871	2.759	11.8	19.0
10 8	22 16.02	−15 27.3	1.950	2.751	14.8	19.2

332489 2008 FP_{18} 8 31.3 141.°18 0.°2/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.81	− 5 17.6	1.725	2.601	13.9	21.8
8 9	22 57.94	− 5 55.2	1.665	2.610	10.1	21.5
8 19	22 50.11	− 6 45.3	1.628	2.618	5.8	21.3
8 29	22 41.10	− 7 42.5	1.617	2.626	1.2	21.0
9 8	22 31.91	− 8 40.5	1.634	2.634	3.5	21.2
9 18	22 23.57	− 9 32.8	1.678	2.641	7.9	21.5
9 28	22 16.99	−10 14.4	1.747	2.647	11.8	21.7
10 8	22 12.75	−10 42.3	1.838	2.653	15.1	22.0

366050 2012 CZ_{10} 8 31.3 131.°55 2.°4/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.71	−12 58.8	2.310	3.202	10.2	21.1
8 9	22 53.25	−14 8.7	2.249	3.204	7.2	20.9
8 19	22 47.35	−15 23.5	2.212	3.206	4.2	20.7
8 29	22 40.57	−16 37.5	2.204	3.208	2.4	20.6
9 8	22 33.62	−17 44.7	2.224	3.209	4.5	20.8
9 18	22 27.22	−18 40.4	2.272	3.211	7.6	21.0
9 28	22 22.05	−19 21.2	2.345	3.213	10.5	21.2
10 8	22 18.60	−19 45.8	2.441	3.214	13.0	21.3

367494 2009 HT_{40} 8 31.3 184.°42 5.°1/27.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 4.53	−17 17.1	1.401	2.308	14.6	21.0
8 9	22 58.95	−18 33.8	1.348	2.308	10.6	20.7
8 19	22 50.89	−19 53.4	1.317	2.308	6.7	20.5
8 29	22 41.27	−21 5.7	1.310	2.308	5.2	20.4
9 8	22 31.40	−22 1.2	1.330	2.307	7.9	20.6
9 18	22 22.59	−22 33.9	1.373	2.307	11.9	20.8
9 28	22 16.01	−22 41.5	1.438	2.306	15.8	21.1
10 8	22 12.32	−22 25.6	1.521	2.305	19.0	21.3

157314 2004 SD_{37} 8 31.3 237.°05 2.°4/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.54	+ 2 28.4	2.442	3.283	11.5	20.9
8 9	22 53.10	+ 1 58.4	2.357	3.275	8.9	20.7
8 19	22 47.28	+ 1 13.7	2.296	3.268	5.9	20.5
8 29	22 40.58	+ 0 16.8	2.261	3.260	3.1	20.3
9 8	22 33.64	− 0 48.3	2.255	3.253	3.0	20.3
9 18	22 27.14	− 1 56.6	2.277	3.245	5.7	20.5
9 28	22 21.75	− 3 2.7	2.327	3.236	8.8	20.7
10 8	22 17.96	− 4 1.9	2.401	3.228	11.6	20.9

514517 2016 WL_{46} 8 31.3 307.°83 1.°0/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.74	− 4 23.9	1.823	2.699	13.3	21.5
8 9	22 55.79	− 4 37.7	1.748	2.692	9.8	21.3
8 19	22 48.96	− 5 3.5	1.696	2.685	5.8	21.1
8 29	22 40.92	− 5 38.0	1.670	2.678	1.7	20.8
9 8	22 32.58	− 6 16.1	1.670	2.671	3.2	20.9
9 18	22 24.90	− 6 52.8	1.698	2.664	7.4	21.1
9 28	22 18.77	− 7 23.0	1.750	2.658	11.3	21.3
10 8	22 14.82	− 7 43.2	1.825	2.651	14.6	21.5

386345 2008 SW_{271} 8 31.3 0.°31 6.°3/26.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 4.55	−22 28.1	1.535	2.441	13.6	20.5
8 9	22 58.80	−23 21.6	1.484	2.440	10.2	20.2
8 19	22 50.72	−24 11.2	1.456	2.439	7.2	20.1
8 29	22 41.25	−24 48.1	1.451	2.439	6.4	20.0
9 8	22 31.61	−25 5.6	1.472	2.439	8.6	20.2
9 18	22 23.05	−25 0.4	1.518	2.440	11.9	20.4
9 28	22 16.62	−24 32.4	1.585	2.441	15.2	20.6
10 8	22 12.91	−23 44.5	1.670	2.442	18.1	20.8

473380 2015 UL_{72} 8 31.3 308.°38 5.°2/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 1.71	−22 21.3	2.024	2.922	11.2	20.4
8 9	22 56.39	−23 12.7	1.961	2.913	8.4	20.2
8 19	22 49.25	−24 1.5	1.922	2.904	5.9	20.0
8 29	22 40.97	−24 40.9	1.909	2.895	5.4	20.0
9 8	22 32.47	−25 5.4	1.923	2.886	7.2	20.0
9 18	22 24.70	−25 11.8	1.963	2.878	10.0	20.2
9 28	22 18.49	−24 58.9	2.026	2.869	12.9	20.4
10 8	22 14.43	−24 28.0	2.109	2.861	15.4	20.5

129653 1998 QL_3 8 31.3 305.°79 2.°7/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 20.28	−16 48.7	1.006	1.907	19.4	17.9
8 9	23 11.37	−15 59.1	0.941	1.898	14.4	17.6
8 19	22 58.43	−15 4.0	0.894	1.888	8.4	17.2
8 29	22 42.78	−13 58.3	0.871	1.879	2.9	16.9
9 8	22 26.60	−12 39.2	0.873	1.870	6.5	17.1
9 18	22 12.17	−11 8.4	0.899	1.862	12.8	17.4
9 28	22 1.35	− 9 29.7	0.947	1.854	18.5	17.7
10 8	21 55.03	− 7 46.8	1.013	1.846	23.3	18.0

16220 Mikewagner 8 31.3 352.°87 0.°9/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.45	− 3 38.8	1.689	2.569	14.0	18.5
8 9	22 54.93	− 4 7.4	1.622	2.567	10.3	18.3
8 19	22 48.49	− 4 50.3	1.576	2.566	6.1	18.0
8 29	22 40.84	− 5 43.2	1.556	2.564	1.8	17.7
9 8	22 32.93	− 6 39.9	1.563	2.564	3.3	17.8
9 18	22 25.75	− 7 33.8	1.596	2.563	7.7	18.1
9 28	22 20.21	− 8 19.3	1.653	2.563	11.7	18.3
10 8	22 16.92	− 8 52.2	1.732	2.563	15.1	18.6

124938 2001 TU_{78} 8 31.3 240.°86 2.°3/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.53	+ 0 38.2	1.958	2.810	13.5	20.4
8 9	22 56.35	+ 0 14.0	1.870	2.797	10.3	20.2
8 19	22 49.31	− 0 26.6	1.805	2.784	6.6	19.9
8 29	22 41.02	− 1 21.1	1.766	2.769	3.1	19.7
9 8	22 32.33	− 2 24.5	1.755	2.754	3.3	19.6
9 18	22 24.17	− 3 30.6	1.772	2.739	7.1	19.9
9 28	22 17.46	− 4 33.0	1.815	2.723	10.9	20.1
10 8	22 12.84	− 5 26.4	1.880	2.707	14.3	20.2

136911 1998 HQ_{95} 8 31.3 123.°10 2.°3/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.16	+ 0 35.0	1.552	2.417	15.8	20.3
8 9	22 56.96	− 0 1.4	1.491	2.425	11.9	20.1
8 19	22 49.66	− 0 57.6	1.451	2.433	7.5	19.9
8 29	22 41.07	− 2 9.0	1.436	2.440	3.2	19.6
9 8	22 32.26	− 3 28.4	1.447	2.448	3.6	19.7
9 18	22 24.33	− 4 47.3	1.485	2.454	7.9	20.0
9 28	22 18.26	− 5 58.2	1.548	2.461	12.1	20.2
10 8	22 14.66	− 6 55.2	1.632	2.467	15.7	20.5

381765 2009 SP_{275} 8 31.3 290.°03 0.°6/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.15	− 6 57.9	1.510	2.402	14.7	21.3
8 9	22 56.59	− 7 40.8	1.427	2.380	10.7	21.0
8 19	22 49.68	− 8 38.3	1.365	2.359	6.1	20.7
8 29	22 41.11	− 9 44.7	1.328	2.337	1.1	20.3
9 8	22 31.98	−10 52.2	1.317	2.316	4.3	20.5
9 18	22 23.48	−11 52.6	1.331	2.294	9.4	20.7
9 28	22 16.83	−12 39.0	1.369	2.273	14.1	21.0
10 8	22 12.83	−13 7.5	1.427	2.251	18.1	21.2

52008 Johnnaka 8 31.3 45.°99 1.°0/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.05	− 7 20.3	1.961	2.848	12.0	18.6
8 9	22 52.93	− 8 31.5	1.905	2.858	8.5	18.4
8 19	22 47.23	− 9 52.9	1.874	2.868	4.7	18.2
8 29	22 40.59	−11 18.3	1.870	2.878	1.1	17.9
9 8	22 33.82	−12 40.4	1.893	2.889	3.7	18.1
9 18	22 27.71	−13 53.1	1.944	2.900	7.5	18.4
9 28	22 22.99	−14 51.3	2.020	2.911	10.9	18.6
10 8	22 20.16	−15 32.8	2.119	2.922	13.7	18.8

383266 2006 DK_{65} 8 31.3 200.°09 3.°3/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.73	−16 32.1	2.354	3.242	10.2	22.7
8 9	22 56.90	−17 36.8	2.285	3.237	7.4	22.5
8 19	22 49.47	−18 43.8	2.243	3.232	4.5	22.3
8 29	22 41.03	−19 47.2	2.228	3.226	3.3	22.2
9 8	22 32.36	−20 41.2	2.243	3.220	5.3	22.3
9 18	22 24.26	−21 21.6	2.286	3.212	8.2	22.5
9 28	22 17.48	−21 46.0	2.354	3.204	11.1	22.7
10 8	22 12.58	−21 53.9	2.444	3.195	13.5	22.8

55983 1998 RC_{72} 8 31.3 306.°91 1.°3/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.52	− 8 45.0	1.158	2.064	17.0	19.1
8 9	22 58.01	− 9 21.3	1.090	2.052	12.4	18.8
8 19	22 50.65	−10 11.9	1.043	2.039	7.0	18.5
8 29	22 41.31	−11 9.7	1.018	2.027	1.6	18.1
9 8	22 31.42	−12 5.0	1.016	2.015	5.4	18.3
9 18	22 22.52	−12 49.0	1.038	2.003	11.1	18.6
9 28	22 16.03	−13 15.2	1.081	1.992	16.3	18.8
10 8	22 12.82	−13 20.7	1.142	1.982	20.7	19.1

172721 2004 BH_{101} 8 31.3 284°.01 1°.0/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 59.82	− 8 26.8	1.856	2.744	12.5	20.5
8 9	22 55.14	− 9 12.2	1.783	2.735	9.0	20.2
8 19	22 48.61	−10 7.5	1.733	2.726	5.0	20.0
8 29	22 40.89	−11 7.5	1.709	2.718	1.2	19.7
9 8	22 32.87	−12 5.6	1.713	2.709	3.9	19.9
9 18	22 25.49	−12 56.0	1.743	2.701	8.0	20.1
9 28	22 19.63	−13 33.8	1.799	2.693	11.8	20.3
10 8	22 15.90	−13 56.4	1.875	2.684	15.0	20.5

1945 Wesselink 8 31.3 359°.95 1°.0/30.6 18 R

7 30	22 56.65	− 7 16.1	1.187	2.097	16.4	15.6
8 9	22 53.49	− 8 8.1	1.131	2.094	11.8	15.3
8 19	22 47.91	− 9 16.0	1.095	2.092	6.6	15.0
8 29	22 40.77	−10 31.9	1.082	2.092	1.3	14.7
9 8	22 33.33	−11 45.6	1.093	2.092	4.9	14.9
9 18	22 26.89	−12 47.7	1.127	2.094	10.2	15.2
9 28	22 22.59	−13 31.2	1.183	2.097	14.9	15.5
10 8	22 21.10	−13 53.0	1.257	2.101	18.9	15.8

307005 2001 XP_1 8 31.3 272°.57 11°.2/18.3 11 C

7 30	23 8.94	+44 15.9	3.787	4.218	13.2	24.8
8 9	23 1.58	+45 13.7	3.654	4.177	12.8	24.7
8 19	22 52.33	+45 51.1	3.535	4.133	12.3	24.6
8 29	22 41.65	+46 3.9	3.431	4.089	11.7	24.5
9 8	22 30.26	+45 49.4	3.347	4.044	11.3	24.4
9 18	22 18.98	+45 6.6	3.282	3.997	11.2	24.3
9 28	22 8.72	+43 57.5	3.239	3.949	11.3	24.2
10 8	22 0.21	+42 26.9	3.217	3.899	11.8	24.2

227302 2005 SV_{265} 8 31.3 46°.30 1°.1/30.5 17

7 30	23 1.82	− 7 57.3	1.233	2.135	16.4	20.4
8 9	22 56.95	− 8 46.3	1.192	2.151	11.7	20.2
8 19	22 49.70	− 9 47.8	1.172	2.168	6.5	19.9
8 29	22 41.08	−10 53.9	1.176	2.185	1.4	19.6
9 8	22 32.43	−11 55.2	1.204	2.202	4.8	19.9
9 18	22 24.98	−12 44.2	1.257	2.220	9.8	20.3
9 28	22 19.79	−13 15.8	1.332	2.239	14.2	20.6
10 8	22 17.39	−13 28.4	1.426	2.257	17.8	20.9

150449 2000 HF_1 8 31.3 118°.75 1°.2/ 1.4 17

7 30	23 3.04	− 2 48.6	1.733	2.602	14.2	21.2
8 9	22 57.38	− 3 20.1	1.674	2.614	10.4	21.0
8 19	22 49.81	− 4 5.9	1.639	2.626	6.2	20.8
8 29	22 41.11	− 5 1.5	1.629	2.637	1.9	20.5
9 8	22 32.27	− 6 0.5	1.647	2.648	3.2	20.6
9 18	22 24.27	− 6 56.8	1.692	2.658	7.5	20.9
9 28	22 17.99	− 7 44.6	1.762	2.668	11.3	21.2
10 8	22 13.99	− 8 20.1	1.855	2.678	14.6	21.4

129131 2004 YY_{27} 8 31.3 223°.67 0°.6/30.6 18

7 30	22 59.48	− 9 7.5	2.646	3.521	9.7	20.5
8 9	22 54.39	− 9 34.0	2.569	3.515	6.9	20.3
8 19	22 47.99	−10 6.3	2.517	3.509	3.9	20.1
8 29	22 40.77	−10 41.1	2.494	3.503	0.8	19.8
9 8	22 33.36	−11 14.6	2.499	3.496	2.8	20.0
9 18	22 26.41	−11 43.3	2.534	3.489	6.0	20.2
9 28	22 20.54	−12 4.3	2.595	3.482	8.9	20.4
10 8	22 16.22	−12 15.9	2.680	3.475	11.4	20.5

86818 2000 GK_{136} 8 31.3 73°.63 3°.2/28.5 18

7 30	23 1.55	−12 9.3	1.470	2.373	14.3	18.6
8 9	22 56.56	−13 32.1	1.426	2.386	10.1	18.4
8 19	22 49.43	−15 2.3	1.404	2.399	5.7	18.2
8 29	22 41.05	−16 30.5	1.408	2.413	3.2	18.1
9 8	22 32.57	−17 47.3	1.438	2.426	6.0	18.3
9 18	22 25.09	−18 45.8	1.494	2.440	10.2	18.6
9 28	22 19.60	−19 22.4	1.572	2.453	14.0	18.8
10 8	22 16.64	−19 36.5	1.670	2.466	17.1	19.1

449787 2014 OL_{176} 8 31.3 82°.88 4°.7/26.0 18

7 30	23 0.06	−21 21.5	2.226	3.123	10.3	21.0
8 9	22 55.01	−22 26.2	2.175	3.128	7.6	20.8
8 19	22 48.39	−23 29.0	2.149	3.132	5.4	20.7
8 29	22 40.85	−24 23.4	2.151	3.136	4.8	20.7
9 8	22 33.18	−25 4.2	2.179	3.141	6.6	20.8
9 18	22 26.18	−25 28.1	2.234	3.145	9.2	20.9
9 28	22 20.59	−25 33.7	2.312	3.149	11.7	21.1
10 8	22 16.88	−25 21.8	2.411	3.154	13.9	21.3

268878 2007 AZ_{23} 8 31.3 104°.14 2°.8/ 2.6 17

7 30	23 3.70	+ 0 19.9	1.659	2.519	15.2	20.3
8 9	22 57.93	+ 0 12.4	1.600	2.531	11.5	20.1
8 19	22 50.17	− 0 12.0	1.563	2.542	7.4	19.9
8 29	22 41.20	− 0 50.2	1.550	2.553	3.5	19.7
9 8	22 32.07	− 1 37.1	1.565	2.564	3.7	19.8
9 18	22 23.82	− 2 26.5	1.606	2.574	7.6	20.0
9 28	22 17.37	− 3 12.1	1.672	2.584	11.4	20.3
10 8	22 13.30	− 3 49.1	1.760	2.594	14.8	20.5

49044 1998 RL_{15} 8 31.3 229°.87 0°.2/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 3.00	− 5 23.9	1.775	2.651	13.6	19.6
8 9	22 57.53	− 5 58.4	1.698	2.643	9.9	19.4
8 19	22 50.03	− 6 45.7	1.643	2.634	5.7	19.1
8 29	22 41.20	− 7 41.2	1.615	2.624	1.2	18.8
9 8	22 31.99	− 8 38.6	1.614	2.614	3.5	19.0
9 18	22 23.46	− 9 31.6	1.641	2.604	8.0	19.2
9 28	22 16.58	−10 14.6	1.693	2.593	12.1	19.4
10 8	22 12.02	−10 44.0	1.766	2.581	15.5	19.6

252070 2000 SN_{196} 8 31.3 285°.57 1°.2/ 1.3 18

7 30	23 1.54	− 2 57.2	1.355	2.240	16.4	20.7
8 9	22 57.01	− 3 28.6	1.279	2.227	12.2	20.4
8 19	22 49.98	− 4 19.5	1.223	2.213	7.4	20.1
8 29	22 41.21	− 5 25.0	1.191	2.199	2.2	19.7
9 8	22 31.90	− 6 37.3	1.184	2.185	4.0	19.8
9 18	22 23.38	− 7 47.4	1.202	2.172	9.4	20.1
9 28	22 16.89	− 8 46.7	1.243	2.158	14.3	20.4
10 8	22 13.27	− 9 29.5	1.303	2.145	18.6	20.6

306836 2001 SB_{16} 8 31.3 349°.92 0°.1/31.2 18

7 30	22 58.37	− 6 55.5	1.473	2.370	14.6	20.0
8 9	22 54.42	− 7 21.5	1.407	2.363	10.6	19.8
8 19	22 48.33	− 8 0.0	1.363	2.357	6.1	19.5
8 29	22 40.87	− 8 45.9	1.343	2.352	1.1	19.2
9 8	22 33.11	− 9 32.4	1.348	2.348	3.9	19.4
9 18	22 26.15	−10 12.8	1.378	2.345	8.7	19.6
9 28	22 21.02	−10 41.8	1.431	2.343	13.1	19.9
10 8	22 18.38	−10 55.9	1.504	2.341	16.7	20.1

505583 2014 BV_{50} 8 31.3 225°.66 2°.7/28.9 18

7 30	23 4.05	−14 11.0	1.943	2.832	12.0	21.9
8 9	22 58.14	−14 54.7	1.871	2.824	8.6	21.7
8 19	22 50.32	−15 42.6	1.823	2.816	5.0	21.5
8 29	22 41.26	−16 28.8	1.803	2.807	2.7	21.3
9 8	22 31.91	−17 7.3	1.810	2.798	5.1	21.4
9 18	22 23.26	−17 33.5	1.845	2.788	8.8	21.7
9 28	22 16.21	−17 44.5	1.904	2.778	12.2	21.9
10 8	22 11.38	−17 39.7	1.985	2.767	15.2	22.0

241461 2008 YQ_{151} 8 31.3 319°.79 3°.3/28.2 18

7 30	22 58.62	−12 52.7	1.615	2.519	13.1	19.8
8 9	22 54.52	−14 13.1	1.550	2.511	9.4	19.6
8 19	22 48.38	−15 41.9	1.508	2.503	5.4	19.3
8 29	22 40.90	−17 10.7	1.492	2.495	3.3	19.2
9 8	22 33.09	−18 30.3	1.502	2.488	6.1	19.3
9 18	22 26.02	−19 33.4	1.537	2.481	10.1	19.6
9 28	22 20.67	−20 15.1	1.595	2.474	13.9	19.8
10 8	22 17.70	−20 34.2	1.673	2.467	17.2	20.0

509597 2008 EZ_8 8 31.3 118°.02 1°.0/30.2 18

7 30	23 2.06	−10 36.7	2.560	3.436	9.9	22.1
8 9	22 56.14	−11 5.6	2.507	3.454	7.1	21.9
8 19	22 48.91	−11 38.8	2.479	3.471	3.9	21.7
8 29	22 40.96	−12 12.7	2.480	3.488	1.1	21.5
9 8	22 32.96	−12 43.3	2.510	3.505	3.1	21.7
9 18	22 25.59	−13 7.5	2.569	3.520	6.2	22.0
9 28	22 19.44	−13 23.0	2.655	3.536	8.9	22.2
10 8	22 14.94	−13 28.6	2.765	3.551	11.3	22.4

217736 2000 AE_{197} 8 31.4 269°.99 3°.6/ 4.4 18

7 30	22 59.13	+ 5 11.6	2.547	3.369	11.7	20.2
8 9	22 54.32	+ 5 11.3	2.446	3.348	9.3	20.0
8 19	22 48.07	+ 4 56.6	2.368	3.327	6.6	19.8
8 29	22 40.84	+ 4 28.2	2.317	3.306	4.3	19.6
9 8	22 33.26	+ 3 48.6	2.294	3.284	3.9	19.5
9 18	22 26.04	+ 3 1.4	2.299	3.262	6.0	19.6
9 28	22 19.87	+ 2 11.3	2.331	3.240	8.8	19.8
10 8	22 15.28	+ 1 23.2	2.388	3.218	11.5	19.9

215598 2003 QE_{111} 8 31.4 348°.66 6°.9/27.4 18

7 30	23 0.72	−19 35.3	0.933	1.864	17.6	18.8
8 9	22 57.12	−20 23.9	0.882	1.853	13.0	18.5
8 19	22 50.26	−21 12.1	0.850	1.844	8.6	18.3
8 29	22 41.29	−21 48.1	0.838	1.837	6.9	18.2
9 8	22 31.93	−22 1.1	0.847	1.831	10.0	18.3
9 18	22 23.98	−21 45.7	0.876	1.827	14.8	18.5
9 28	22 18.92	−21 1.6	0.923	1.825	19.4	18.8
10 8	22 17.52	−19 52.8	0.986	1.824	23.4	19.1

14535 Kazuyukihanda 8 31.4 247°.81 1°.7/ 2.8 18

7 30	22 56.68	+ 1 51.8	2.760	3.599	10.4	19.0
8 9	22 52.42	+ 0 55.8	2.665	3.585	7.9	18.9
8 19	22 46.92	− 0 14.4	2.595	3.571	5.1	18.7
8 29	22 40.62	− 1 36.0	2.554	3.556	2.3	18.5
9 8	22 34.06	− 3 4.3	2.542	3.541	2.4	18.4
9 18	22 27.86	− 4 34.1	2.560	3.526	5.3	18.6
9 28	22 22.60	− 5 59.9	2.607	3.510	8.2	18.8
10 8	22 18.75	− 7 17.0	2.679	3.495	10.8	18.9

326173 2012 BC_{115} 8 31.4 181°.76 1°.7/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 59.87	− 1 10.2	2.597	3.447	10.7	21.0
8 9	22 54.68	− 1 20.5	2.521	3.447	8.0	20.9
8 19	22 48.17	− 1 41.1	2.468	3.447	5.1	20.7
8 29	22 40.85	− 2 9.9	2.443	3.447	2.2	20.5
9 8	22 33.35	− 2 43.8	2.448	3.447	2.6	20.5
9 18	22 26.33	− 3 19.1	2.481	3.446	5.5	20.7
9 28	22 20.40	− 3 52.1	2.541	3.445	8.4	20.9
10 8	22 16.03	− 4 19.6	2.626	3.444	11.0	21.1

251741 1998 UQ_{11} 8 31.4 179°.25 1°.3/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.45	− 9 18.9	1.821	2.706	12.9	20.9
8 9	22 57.72	−10 5.7	1.756	2.707	9.2	20.7
8 19	22 50.08	−11 1.3	1.715	2.708	5.1	20.5
8 29	22 41.23	−11 59.9	1.700	2.709	1.4	20.2
9 8	22 32.15	−12 54.9	1.713	2.708	4.1	20.4
9 18	22 23.83	−13 40.6	1.753	2.708	8.3	20.7
9 28	22 17.17	−14 12.8	1.819	2.707	12.0	20.9
10 8	22 12.78	−14 29.6	1.905	2.705	15.1	21.1

261770 2006 BJ_{81} 8 31.4 294°.16 1°.5/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.08	−10 51.4	2.282	3.169	10.5	20.6
8 9	22 53.60	−11 40.1	2.211	3.165	7.5	20.4
8 19	22 47.64	−12 35.0	2.166	3.160	4.2	20.2
8 29	22 40.76	−13 31.4	2.148	3.155	1.6	20.0
9 8	22 33.68	−14 24.0	2.158	3.151	3.8	20.1
9 18	22 27.13	−15 8.2	2.196	3.146	7.1	20.3
9 28	22 21.81	−15 40.6	2.260	3.142	10.2	20.5
10 8	22 18.22	−15 59.3	2.346	3.138	12.9	20.7

121751 1999 XO_{228} 8 31.4 173°.67 0°.7/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.92	− 9 5.9	2.773	3.647	9.3	20.6
8 9	22 53.93	− 9 40.8	2.703	3.649	6.6	20.5
8 19	22 47.72	−10 21.4	2.659	3.651	3.7	20.3
8 29	22 40.77	−11 4.1	2.643	3.652	0.8	20.1
9 8	22 33.68	−11 45.1	2.657	3.653	2.8	20.2
9 18	22 27.05	−12 20.9	2.700	3.654	5.8	20.4
9 28	22 21.46	−12 48.7	2.770	3.654	8.5	20.6
10 8	22 17.33	−13 6.7	2.864	3.654	10.8	20.8

295248 2008 GP_{38} 8 31.4 63°.52 6°.5/24.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.51	−26 57.3	2.088	2.982	11.1	20.4
8 9	22 56.86	−28 0.4	2.047	2.990	8.6	20.2
8 19	22 49.47	−28 56.2	2.031	2.999	6.9	20.1
8 29	22 41.10	−29 38.1	2.041	3.008	6.7	20.1
9 8	22 32.68	−30 1.2	2.077	3.017	8.3	20.3
9 18	22 25.10	−30 3.2	2.138	3.026	10.6	20.4
9 28	22 19.15	−29 44.4	2.221	3.035	12.9	20.6
10 8	22 15.33	−29 7.2	2.324	3.044	15.0	20.8

297187 2010 XN_{17} 8 31.4 350°.46 2°.6/29.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.11	−10 51.8	1.334	2.239	15.2	20.4
8 9	22 56.59	−11 55.2	1.276	2.238	10.9	20.2
8 19	22 49.65	−13 9.3	1.240	2.236	6.1	19.9
8 29	22 41.18	−14 25.5	1.227	2.235	2.6	19.7
9 8	22 32.41	−15 34.0	1.240	2.234	5.8	19.9
9 18	22 24.61	−16 26.8	1.278	2.233	10.6	20.1
9 28	22 18.93	−16 58.8	1.337	2.233	14.9	20.4
10 8	22 16.04	−17 8.8	1.415	2.233	18.6	20.7

299697 2006 QK_{139} 8 31.4 291°.45 1°.9/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.27	− 0 42.2	1.871	2.735	13.5	20.5
8 9	22 54.75	− 1 6.8	1.793	2.727	10.2	20.3
8 19	22 48.43	− 1 47.2	1.737	2.720	6.4	20.1
8 29	22 40.94	− 2 40.0	1.707	2.712	2.7	19.8
9 8	22 33.14	− 3 40.1	1.704	2.704	3.2	19.8
9 18	22 25.94	− 4 41.3	1.728	2.697	7.1	20.1
9 28	22 20.20	− 5 37.3	1.778	2.690	10.9	20.3
10 8	22 16.55	− 6 23.2	1.850	2.682	14.2	20.5

254859 2005 RH_{44} 8 31.4 249°.58 5°.0/26.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.38	−22 30.1	2.210	3.104	10.5	20.6
8 9	22 56.77	−23 22.2	2.148	3.098	7.9	20.4
8 19	22 49.47	−24 11.5	2.111	3.092	5.6	20.2
8 29	22 41.13	−24 52.0	2.101	3.085	5.1	20.2
9 8	22 32.60	−25 18.4	2.118	3.079	6.8	20.3
9 18	22 24.74	−25 27.6	2.161	3.072	9.4	20.4
9 28	22 18.34	−25 18.8	2.229	3.066	12.1	20.6
10 8	22 13.96	−24 52.9	2.317	3.059	14.4	20.8

333813 2012 CV_{14} 8 31.4 166°.22 1°.2/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.91	− 7 59.4	1.648	2.534	14.0	22.1
8 9	22 58.21	− 8 58.6	1.587	2.538	10.0	21.9
8 19	22 50.42	−10 9.1	1.548	2.542	5.6	21.6
8 29	22 41.32	−11 24.3	1.536	2.545	1.3	21.3
9 8	22 31.99	−12 36.1	1.551	2.547	4.3	21.6
9 18	22 23.50	−13 37.4	1.593	2.549	8.8	21.8
9 28	22 16.84	−14 23.0	1.659	2.550	12.8	22.1
10 8	22 12.64	−14 50.7	1.747	2.551	16.1	22.3

163829 2003 SZ_{21} 8 31.4 309°.19 3°.6/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 57.59	−12 24.1	1.555	2.462	13.4	19.4
8 9	22 53.96	−14 5.2	1.481	2.444	9.6	19.1
8 19	22 48.18	−15 58.0	1.431	2.427	5.6	18.9
8 29	22 40.93	−17 52.8	1.407	2.410	3.7	18.7
9 8	22 33.21	−19 38.7	1.409	2.394	6.7	18.8
9 18	22 26.15	−21 6.0	1.437	2.377	11.0	19.1
9 28	22 20.83	−22 8.6	1.487	2.362	15.0	19.3
10 8	22 18.00	−22 44.4	1.556	2.346	18.4	19.5

472185 2014 DB_{106} 8 31.4 321°.22 0°.8/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.11	− 9 15.7	1.705	2.593	13.4	21.0
8 9	22 57.61	− 9 33.4	1.637	2.589	9.7	20.8
8 19	22 50.09	− 9 59.3	1.593	2.586	5.5	20.5
8 29	22 41.28	−10 28.6	1.574	2.583	1.1	20.2
9 8	22 32.22	−10 55.9	1.582	2.580	3.9	20.4
9 18	22 23.95	−11 16.5	1.617	2.577	8.3	20.7
9 28	22 17.42	−11 26.8	1.676	2.575	12.2	20.9
10 8	22 13.27	−11 24.6	1.756	2.572	15.6	21.1

475329 2005 YV_{271} 8 31.4 163°.66 2°.1/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.30	−11 14.1	2.159	3.044	11.1	21.8
8 9	22 55.95	−12 27.5	2.097	3.049	7.9	21.6
8 19	22 49.00	−13 47.6	2.061	3.054	4.4	21.4
8 29	22 41.06	−15 8.0	2.053	3.058	2.1	21.2
9 8	22 32.94	−16 22.2	2.073	3.062	4.4	21.4
9 18	22 25.45	−17 24.7	2.122	3.065	7.8	21.6
9 28	22 19.34	−18 11.7	2.197	3.068	11.0	21.8
10 8	22 15.13	−18 41.7	2.294	3.070	13.6	22.0

301842 1980 FG_{4} 8 31.4 287°.05 6°.4/26.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 15.08	−27 10.0	2.150	3.022	11.7	19.0
8 9	23 6.36	−27 37.4	2.051	2.984	9.2	18.7
8 19	22 55.18	−27 57.2	1.978	2.946	7.0	18.5
8 29	22 42.31	−28 2.1	1.932	2.906	6.5	18.4
9 8	22 28.86	−27 46.4	1.916	2.866	8.2	18.5
9 18	22 16.08	−27 7.8	1.927	2.826	11.1	18.6
9 28	22 5.15	−26 7.1	1.964	2.784	14.1	18.7
10 8	21 56.87	−24 47.9	2.023	2.742	16.9	18.8

513466 2009 BJ_{98} 8 31.4 242°.21 2°.5/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.42	−12 58.0	2.026	2.917	11.5	22.3
8 9	22 56.23	−13 53.2	1.952	2.907	8.2	22.0
8 19	22 49.26	−14 54.1	1.903	2.896	4.7	21.8
8 29	22 41.13	−15 55.0	1.880	2.885	2.5	21.6
9 8	22 32.70	−16 49.4	1.886	2.874	4.8	21.8
9 18	22 24.87	−17 32.2	1.919	2.863	8.4	22.0
9 28	22 18.49	−17 59.7	1.977	2.851	11.8	22.2
10 8	22 14.16	−18 10.7	2.056	2.839	14.8	22.4

68611 2002 AG_{122} 8 31.4 114°.60 2°.5/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.58	−12 29.5	1.822	2.714	12.5	19.3
8 9	22 57.03	−13 30.8	1.771	2.726	8.9	19.1
8 19	22 49.65	−14 37.6	1.743	2.737	5.0	18.9
8 29	22 41.20	−15 43.2	1.743	2.748	2.5	18.8
9 8	22 32.63	−16 40.6	1.770	2.759	5.0	19.0
9 18	22 24.89	−17 24.5	1.824	2.770	8.7	19.2
9 28	22 18.83	−17 51.9	1.903	2.780	12.1	19.4
10 8	22 14.97	−18 2.0	2.003	2.790	15.0	19.7

93687 2000 VH_{18} 8 31.4 329°.84 0°.9/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.13	− 7 14.7	1.366	2.267	15.2	18.6
8 9	22 54.50	− 8 5.2	1.296	2.255	11.1	18.3
8 19	22 48.54	− 9 11.0	1.247	2.242	6.2	18.0
8 29	22 41.03	−10 25.2	1.222	2.231	1.3	17.7
9 8	22 33.08	−11 38.8	1.221	2.220	4.6	17.9
9 18	22 25.93	−12 43.1	1.245	2.210	9.7	18.1
9 28	22 20.72	−13 30.8	1.292	2.201	14.4	18.4
10 8	22 18.19	−13 58.4	1.358	2.192	18.3	18.6

490778 2010 UL_{56} 8 31.4 297°.12 2°.4/ 4.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 53.08	+ 4 49.9	4.149	4.963	7.7	21.1
8 9	22 49.51	+ 4 43.2	4.055	4.952	6.0	21.0
8 19	22 45.16	+ 4 27.7	3.985	4.940	4.3	20.9
8 29	22 40.33	+ 4 4.3	3.942	4.929	2.8	20.7
9 8	22 35.37	+ 3 34.6	3.929	4.918	2.5	20.7
9 18	22 30.64	+ 3 0.8	3.944	4.907	3.8	20.8
9 28	22 26.50	+ 2 25.3	3.989	4.896	5.5	20.9
10 8	22 23.26	+ 1 50.8	4.059	4.885	7.2	21.0

442403 2011 UQ_{58} 8 31.4 327°.19 1°.4/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.71	− 2 15.2	1.758	2.632	13.8	21.3
8 9	22 54.44	− 2 45.2	1.685	2.626	10.3	21.1
8 19	22 48.30	− 3 30.5	1.634	2.620	6.2	20.8
8 29	22 40.96	− 4 27.3	1.608	2.615	2.1	20.6
9 8	22 33.33	− 5 29.6	1.608	2.609	3.2	20.6
9 18	22 26.34	− 6 30.9	1.636	2.604	7.4	20.9
9 28	22 20.90	− 7 24.8	1.688	2.599	11.4	21.1
10 8	22 17.62	− 8 6.7	1.762	2.595	14.8	21.3

447328 2005 YP_{14} 8 31.4 301°.39 5°.5/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 1.41	+ 8 23.2	2.230	3.039	13.5	21.2
8 9	22 56.11	+ 8 57.1	2.147	3.033	11.1	21.1
8 19	22 49.16	+ 9 14.5	2.085	3.028	8.4	20.9
8 29	22 41.14	+ 9 14.9	2.049	3.022	6.2	20.7
9 8	22 32.80	+ 8 59.6	2.039	3.017	5.6	20.7
9 18	22 24.96	+ 8 31.9	2.056	3.012	7.2	20.8
9 28	22 18.41	+ 7 56.5	2.100	3.006	9.7	20.9
10 8	22 13.73	+ 7 18.9	2.167	3.001	12.4	21.1

121435 1999 TD_{180} 8 31.4 248°.47 3°.2/ 4.1 18

7 30	22 58.33	+ 4 10.7	2.442	3.273	11.8	20.2
8 9	22 53.75	+ 3 56.5	2.354	3.263	9.3	20.0
8 19	22 47.77	+ 3 27.2	2.289	3.254	6.4	19.9
8 29	22 40.86	+ 2 44.5	2.250	3.244	3.8	19.7
9 8	22 33.69	+ 1 51.8	2.240	3.234	3.5	19.6
9 18	22 26.95	+ 0 53.5	2.258	3.224	5.9	19.8
9 28	22 21.32	− 0 5.4	2.303	3.214	8.8	19.9
10 8	22 17.31	− 0 59.8	2.372	3.203	11.5	20.1

239606 2008 UC_{167} 8 31.4 68°.62 7°.6/ 8.5 18

7 30	22 59.78	+14 46.0	1.683	2.478	17.8	19.7
8 9	22 55.19	+14 43.4	1.623	2.493	14.9	19.6
8 19	22 48.69	+14 11.9	1.581	2.508	11.7	19.4
8 29	22 41.03	+13 11.7	1.562	2.524	8.9	19.3
9 8	22 33.21	+11 47.4	1.567	2.539	7.6	19.2
9 18	22 26.21	+10 6.7	1.597	2.555	8.6	19.3
9 28	22 20.91	+ 8 19.4	1.653	2.570	11.2	19.5
10 8	22 17.88	+ 6 35.4	1.732	2.586	14.1	19.8

101171 1998 SA_{4} 8 31.4 298°.24 1°.5/30.3 18

7 30	23 2.38	− 9 44.5	1.425	2.324	14.9	19.4
8 9	22 57.61	−10 20.3	1.348	2.306	10.8	19.1
8 19	22 50.37	−11 7.3	1.293	2.288	6.1	18.8
8 29	22 41.41	−11 59.2	1.262	2.271	1.7	18.5
9 8	22 31.92	−12 48.1	1.256	2.253	5.0	18.7
9 18	22 23.19	−13 26.8	1.275	2.236	10.0	18.9
9 28	22 16.46	−13 49.8	1.317	2.219	14.7	19.2
10 8	22 12.54	−13 54.7	1.378	2.202	18.7	19.4

470571 2008 GM_{128} 8 31.4 55°.78 7°.6/24.5 18

7 30	23 1.42	−20 52.8	1.288	2.205	14.9	20.4
8 9	22 56.78	−23 6.6	1.260	2.222	11.0	20.2
8 19	22 49.71	−25 16.6	1.256	2.240	8.1	20.1
8 29	22 41.23	−27 9.2	1.275	2.257	7.9	20.2
9 8	22 32.70	−28 33.5	1.319	2.276	10.5	20.4
9 18	22 25.41	−29 24.2	1.385	2.294	13.8	20.6
9 28	22 20.39	−29 41.4	1.472	2.312	17.0	20.9
10 8	22 18.21	−29 29.0	1.575	2.331	19.6	21.1

53472 2000 AE_{33} 8 31.4 90°.68 0°.8/30.8 18

7 30	23 6.19	− 9 11.1	1.497	2.386	14.9	19.1
8 9	22 59.93	− 9 28.9	1.443	2.395	10.7	18.9
8 19	22 51.42	− 9 55.5	1.411	2.404	6.0	18.6
8 29	22 41.58	−10 25.5	1.404	2.413	1.2	18.3
9 8	22 31.59	−10 52.8	1.424	2.422	4.2	18.6
9 18	22 22.67	−11 12.3	1.469	2.431	8.9	18.9
9 28	22 15.82	−11 20.5	1.539	2.440	13.0	19.1
10 8	22 11.65	−11 15.7	1.629	2.448	16.5	19.4

430534 2002 CQ_{282} 8 31.4 56°.16 4°.5/26.9 18

7 30	22 59.49	−13 27.3	1.428	2.337	14.2	20.2
8 9	22 55.17	−15 36.9	1.392	2.355	10.0	20.0
8 19	22 48.73	−17 52.4	1.380	2.374	6.0	19.8
8 29	22 41.05	−20 1.5	1.394	2.393	4.6	19.8
9 8	22 33.29	−21 52.5	1.434	2.412	7.4	20.0
9 18	22 26.54	−23 17.7	1.499	2.432	11.3	20.3
9 28	22 21.75	−24 13.6	1.587	2.451	14.8	20.6
10 8	22 19.45	−24 41.0	1.694	2.471	17.7	20.8

215616 2003 SP_{125} 8 31.4 342°.48 2°.2/29.9 18

7 30	22 58.55	− 9 55.3	1.033	1.952	17.4	19.5
8 9	22 55.33	−10 41.6	0.973	1.942	12.6	19.2
8 19	22 49.23	−11 42.2	0.933	1.932	7.1	18.9
8 29	22 41.21	−12 48.4	0.915	1.923	2.3	18.6
9 8	22 32.71	−13 49.0	0.919	1.916	6.1	18.8
9 18	22 25.31	−14 34.4	0.944	1.910	11.8	19.1
9 28	22 20.40	−14 58.0	0.989	1.905	17.0	19.4
10 8	22 18.78	−14 57.8	1.051	1.902	21.4	19.6

448709 2010 XP_{83} 8 31.4 338°.86 5°.2/ 5.5 18

7 30	22 57.23	+ 7 39.0	1.888	2.718	14.8	20.2
8 9	22 53.32	+ 7 42.2	1.808	2.711	12.0	20.0
8 19	22 47.67	+ 7 24.6	1.748	2.703	8.8	19.8
8 29	22 40.87	+ 6 46.9	1.712	2.696	6.1	19.6
9 8	22 33.76	+ 5 52.5	1.702	2.690	5.3	19.5
9 18	22 27.21	+ 4 46.8	1.717	2.684	7.3	19.7
9 28	22 22.07	+ 3 37.1	1.758	2.679	10.5	19.8
10 8	22 18.94	+ 2 30.3	1.822	2.674	13.6	20.0

293172 2006 YJ_{51} 8 31.4 191°.24 0°.6/30.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 3.12	− 7 31.2	1.878	2.757	12.8	21.8
8 9	22 57.51	− 8 15.3	1.809	2.757	9.2	21.6
8 19	22 50.01	− 9 9.7	1.763	2.755	5.2	21.4
8 29	22 41.33	−10 9.1	1.744	2.753	1.0	21.1
9 8	22 32.38	−11 7.1	1.753	2.751	3.7	21.3
9 18	22 24.13	−11 57.9	1.789	2.748	7.8	21.5
9 28	22 17.47	−12 36.9	1.852	2.744	11.6	21.7
10 8	22 13.00	−13 1.4	1.935	2.740	14.8	21.9

26146 1994 PF_{27} 8 31.4 357°.24 2°.2/30.1 18

7 30	22 56.86	−11 24.9	0.899	1.830	18.2	17.6
8 9	22 54.26	−11 41.4	0.849	1.822	13.2	17.3
8 19	22 48.65	−12 8.4	0.817	1.817	7.4	17.0
8 29	22 41.09	−12 38.0	0.804	1.813	2.3	16.7
9 8	22 33.18	−13 1.1	0.813	1.812	6.1	16.9
9 18	22 26.55	−13 10.3	0.842	1.813	11.9	17.2
9 28	22 22.60	−13 1.0	0.889	1.816	17.2	17.6
10 8	22 22.04	−12 32.3	0.953	1.822	21.6	17.8

41276 1999 XG_{83} 8 31.4 314°.92 8°.9/20.3 18 R

7 30	22 59.22	−30 16.8	1.872	2.771	11.9	16.9
8 9	22 55.09	−32 11.4	1.810	2.748	9.9	16.7
8 19	22 48.83	−33 59.3	1.773	2.726	8.9	16.6
8 29	22 41.12	−35 30.1	1.760	2.703	9.5	16.6
9 8	22 32.97	−36 35.6	1.772	2.681	11.4	16.7
9 18	22 25.48	−37 11.1	1.807	2.660	13.9	16.8
9 28	22 19.70	−37 15.6	1.861	2.639	16.4	16.9
10 8	22 16.36	−36 51.8	1.931	2.618	18.6	17.1

335060 2004 RX_{185} 8 31.4 297°.99 4°.0/ 3.8 18

7 30	22 59.26	+ 3 52.3	1.598	2.453	15.9	20.6
8 9	22 55.15	+ 3 39.0	1.512	2.436	12.5	20.4
8 19	22 48.89	+ 3 3.4	1.446	2.419	8.6	20.1
8 29	22 41.15	+ 2 7.0	1.404	2.402	4.9	19.9
9 8	22 32.89	+ 0 54.9	1.387	2.385	4.5	19.8
9 18	22 25.23	− 0 25.3	1.396	2.368	8.1	20.0
9 28	22 19.23	− 1 44.8	1.430	2.351	12.3	20.2
10 8	22 15.68	− 2 55.6	1.485	2.335	16.2	20.4

134921 2000 YD_{98} 8 31.4 271°.86 1°.2/ 1.2 18

7 30	23 4.45	− 4 16.1	1.469	2.349	15.6	19.9
8 9	22 59.02	− 4 24.8	1.391	2.337	11.6	19.7
8 19	22 51.14	− 4 48.1	1.335	2.324	7.0	19.4
8 29	22 41.59	− 5 22.4	1.304	2.312	2.1	19.0
9 8	22 31.52	− 6 2.0	1.298	2.299	3.8	19.1
9 18	22 22.24	− 6 40.3	1.318	2.286	8.9	19.4
9 28	22 14.94	− 7 11.1	1.361	2.273	13.6	19.6
10 8	22 10.41	− 7 30.0	1.425	2.260	17.6	19.9

312946 1995 SN_{35} 8 31.4 249°.91 4°.9/ 4.9 18

7 30	23 1.87	+ 6 38.4	2.170	2.989	13.5	20.2
8 9	22 56.47	+ 7 2.4	2.088	2.985	10.9	20.1
8 19	22 49.40	+ 7 10.0	2.028	2.980	8.0	19.9
8 29	22 41.23	+ 7 1.4	1.993	2.975	5.6	19.7
9 8	22 32.76	+ 6 38.5	1.985	2.970	5.0	19.7
9 18	22 24.82	+ 6 5.1	2.005	2.965	7.0	19.8
9 28	22 18.20	+ 5 26.0	2.050	2.960	9.8	20.0
10 8	22 13.49	+ 4 46.8	2.120	2.955	12.6	20.1

357684 2005 MY_{35} 8 31.4 307°.30 4°.6/26.4 18

7 30	22 58.83	−17 38.7	1.878	2.782	11.6	20.7
8 9	22 54.52	−19 6.6	1.815	2.774	8.4	20.5
8 19	22 48.37	−20 37.4	1.777	2.767	5.5	20.3
8 29	22 41.03	−22 3.0	1.766	2.759	4.7	20.2
9 8	22 33.41	−23 15.5	1.781	2.752	6.9	20.4
9 18	22 26.45	−24 9.0	1.822	2.745	10.2	20.5
9 28	22 21.02	−24 40.5	1.886	2.738	13.3	20.7
10 8	22 17.73	−24 49.9	1.969	2.731	16.0	20.9

176181 2001 NF_{5} 8 31.4 349°.79 10°.8/ 4.3 18

7 30	23 7.10	+ 7 45.4	1.253	2.095	20.1	18.8
8 9	23 1.45	+10 9.8	1.180	2.082	17.0	18.6
8 19	22 52.81	+12 17.2	1.126	2.070	13.7	18.3
8 29	22 41.98	+13 59.7	1.094	2.060	11.3	18.2
9 8	22 30.35	+15 12.2	1.085	2.051	11.0	18.1
9 18	22 19.52	+15 53.9	1.099	2.045	13.0	18.2
9 28	22 11.04	+16 9.7	1.134	2.040	16.1	18.4
10 8	22 5.93	+16 8.4	1.187	2.038	19.4	18.6

28744 2000 GK_{143} 8 31.4 237°.17 1°.3/30.2 18

7 30	23 1.15	− 7 59.0	1.617	2.508	13.9	19.0
8 9	22 56.37	− 9 2.1	1.550	2.504	10.0	18.8
8 19	22 49.49	−10 17.7	1.505	2.500	5.6	18.5
8 29	22 41.27	−11 38.9	1.487	2.496	1.4	18.2
9 8	22 32.72	−12 57.2	1.495	2.491	4.5	18.4
9 18	22 24.94	−14 4.9	1.530	2.487	9.0	18.7
9 28	22 18.92	−14 56.2	1.588	2.482	13.1	18.9
10 8	22 15.31	−15 28.3	1.667	2.478	16.5	19.2

470299 2007 GH_{46} 8 31.4 71°.27 6°.5/26.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 5.75	−23 6.1	1.574	2.477	13.5	21.6
8 9	22 59.61	−24 8.1	1.532	2.485	10.2	21.5
8 19	22 51.24	−25 5.1	1.512	2.493	7.3	21.3
8 29	22 41.58	−25 48.3	1.518	2.502	6.6	21.3
9 8	22 31.86	−26 11.2	1.548	2.510	8.7	21.4
9 18	22 23.27	−26 10.6	1.603	2.519	11.8	21.6
9 28	22 16.79	−25 47.1	1.680	2.528	14.9	21.9
10 8	22 13.00	−25 3.4	1.776	2.536	17.6	22.1

393895 2005 TZ_{121} 8 31.4 4°.90 6°.3/26.7 18

7 30	23 4.81	−24 13.5	1.662	2.563	13.0	20.3
8 9	22 58.90	−24 50.1	1.611	2.563	9.9	20.1
8 19	22 50.84	−25 20.6	1.583	2.564	7.2	20.0
8 29	22 41.51	−25 37.7	1.581	2.565	6.4	19.9
9 8	22 32.09	−25 36.0	1.603	2.567	8.3	20.0
9 18	22 23.71	−25 13.3	1.650	2.570	11.3	20.2
9 28	22 17.33	−24 30.4	1.720	2.573	14.4	20.4
10 8	22 13.53	−23 30.2	1.809	2.576	17.0	20.6

71834 2000 UL_{65} 8 31.4 41°.56 3°.2/29.6 18

7 30	23 7.46	−14 13.9	1.144	2.053	16.9	19.0
8 9	23 1.33	−14 34.9	1.100	2.062	12.2	18.7
8 19	22 52.39	−15 0.3	1.076	2.071	7.0	18.5
8 29	22 41.82	−15 22.2	1.075	2.081	3.2	18.3
9 8	22 31.18	−15 33.3	1.098	2.091	6.3	18.5
9 18	22 21.99	−15 29.2	1.144	2.102	11.2	18.8
9 28	22 15.45	−15 8.2	1.212	2.113	15.8	19.1
10 8	22 12.17	−14 31.4	1.299	2.125	19.5	19.4

333567 2006 BN_{8} 8 31.4 50°.94 11°.5/ 4.2 17

7 30	23 17.62	+ 6 33.8	0.936	1.791	24.4	19.6
8 9	23 9.49	+ 9 5.8	0.885	1.799	20.1	19.3
8 19	22 57.49	+11 13.3	0.852	1.807	15.6	19.1
8 29	22 42.88	+12 46.3	0.840	1.815	12.2	18.9
9 8	22 27.75	+13 40.2	0.849	1.824	11.8	19.0
9 18	22 14.30	+13 57.7	0.880	1.833	14.4	19.1
9 28	22 4.36	+13 48.4	0.930	1.842	18.3	19.4
10 8	21 58.84	+13 25.6	0.997	1.851	22.0	19.7

487758 2015 RG_{193} 8 31.4 265°.15 6°.3/24.7 17

7 30	23 6.72	−29 24.8	2.530	3.407	10.0	22.0
8 9	22 59.87	−30 5.5	2.457	3.388	8.0	21.9
8 19	22 51.28	−30 38.8	2.410	3.368	6.5	21.7
8 29	22 41.61	−30 58.7	2.389	3.348	6.4	21.7
9 8	22 31.71	−31 1.1	2.396	3.328	7.8	21.8
9 18	22 22.45	−30 44.1	2.430	3.307	9.9	21.9
9 28	22 14.66	−30 7.8	2.488	3.286	12.1	22.0
10 8	22 8.90	−29 14.5	2.566	3.265	14.2	22.1

401284 2012 DC_{19} 8 31.4 145°.75 4°.0/ 5.2 18

7 30	22 59.24	+ 7 0.7	2.593	3.405	11.8	21.0
8 9	22 54.29	+ 7 3.8	2.517	3.409	9.4	20.9
8 19	22 48.04	+ 6 52.1	2.463	3.413	6.9	20.7
8 29	22 40.97	+ 6 26.3	2.435	3.417	4.7	20.6
9 8	22 33.73	+ 5 49.1	2.435	3.421	4.1	20.6
9 18	22 26.96	+ 5 4.2	2.464	3.425	5.8	20.7
9 28	22 21.28	+ 4 16.0	2.519	3.428	8.2	20.9
10 8	22 17.14	+ 3 29.1	2.600	3.431	10.6	21.0

13313 1998 RU_{68} 8 31.4 284°.37 1°.3/30.1 18

7 30	23 0.28	−10 54.2	2.254	3.139	10.8	18.8
8 9	22 55.29	−11 22.5	2.174	3.125	7.7	18.6
8 19	22 48.71	−11 56.6	2.119	3.112	4.3	18.4
8 29	22 41.12	−12 32.3	2.091	3.099	1.3	18.1
9 8	22 33.26	−13 5.1	2.091	3.086	3.6	18.3
9 18	22 25.92	−13 30.9	2.119	3.073	7.1	18.5
9 28	22 19.84	−13 46.6	2.173	3.060	10.4	18.7
10 8	22 15.58	−13 50.6	2.249	3.047	13.2	18.8

349731 2008 YS_{86} 8 31.4 265°.60 0°.7/ 1.1 18

7 30	23 1.33	− 4 8.5	1.929	2.801	12.9	22.2
8 9	22 56.32	− 4 36.8	1.842	2.784	9.5	22.0
8 19	22 49.44	− 5 18.0	1.779	2.767	5.7	21.7
8 29	22 41.28	− 6 8.4	1.741	2.750	1.5	21.4
9 8	22 32.71	− 7 2.7	1.732	2.732	3.1	21.5
9 18	22 24.68	− 7 55.1	1.749	2.714	7.4	21.7
9 28	22 18.09	− 8 40.1	1.792	2.696	11.3	21.9
10 8	22 13.62	− 9 13.6	1.858	2.678	14.7	22.1

408669 2014 MX_{31} 8 31.4 164°.77 4°.1/ 4.5 18

7 30	23 1.53	+ 5 12.2	2.407	3.228	12.3	20.9
8 9	22 56.04	+ 5 32.4	2.329	3.229	9.8	20.7
8 19	22 49.08	+ 5 38.5	2.274	3.230	7.0	20.5
8 29	22 41.19	+ 5 31.1	2.245	3.231	4.7	20.4
9 8	22 33.08	+ 5 12.2	2.244	3.232	4.3	20.4
9 18	22 25.48	+ 4 45.1	2.271	3.232	6.2	20.5
9 28	22 19.08	+ 4 14.0	2.326	3.233	8.9	20.7
10 8	22 14.40	+ 3 43.4	2.404	3.233	11.5	20.9

83808 2001 TC_{227} 8 31.4 239°.95 6°.5/ 7.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 59.52	+13 35.7	2.250	3.030	14.3	19.8
8 9	22 54.80	+13 45.7	2.161	3.022	12.0	19.6
8 19	22 48.48	+13 34.6	2.093	3.015	9.6	19.4
8 29	22 41.09	+13 1.7	2.049	3.006	7.4	19.3
9 8	22 33.38	+12 9.1	2.030	2.998	6.5	19.2
9 18	22 26.14	+11 1.1	2.039	2.990	7.5	19.3
9 28	22 20.15	+ 9 44.0	2.073	2.981	9.8	19.4
10 8	22 15.98	+ 8 24.9	2.132	2.972	12.3	19.5

407157 2009 UG_{7} 8 31.4 342°.97 0°.0/31.2 15

7 30	22 57.55	− 6 12.6	1.785	2.672	13.0	21.3
8 9	22 53.61	− 6 43.0	1.713	2.664	9.4	21.0
8 19	22 47.87	− 7 25.0	1.663	2.656	5.4	20.8
8 29	22 40.97	− 8 14.1	1.639	2.648	1.1	20.4
9 8	22 33.79	− 9 4.5	1.641	2.641	3.4	20.6
9 18	22 27.24	− 9 50.3	1.670	2.635	7.6	20.9
9 28	22 22.19	−10 26.4	1.723	2.630	11.5	21.1
10 8	22 19.24	−10 49.5	1.797	2.625	14.8	21.3

470673 2008 SM_{209} 8 31.4 147°.66 4°.6/28.0 16

7 30	23 8.69	−20 15.5	1.806	2.698	12.6	21.3
8 9	23 1.53	−20 44.7	1.751	2.701	9.3	21.1
8 19	22 52.28	−21 11.2	1.719	2.705	6.0	20.9
8 29	22 41.82	−21 28.7	1.714	2.709	4.6	20.8
9 8	22 31.26	−21 32.1	1.736	2.712	6.6	21.0
9 18	22 21.70	−21 19.0	1.785	2.715	9.9	21.2
9 28	22 14.08	−20 49.2	1.858	2.718	13.1	21.4
10 8	22 8.98	−20 4.5	1.951	2.720	15.9	21.6

2391 Tomita 8 31.4 265°.73 0°.1/31.6 18

7 30	23 1.65	− 5 8.3	1.667	2.548	14.1	16.4
8 9	22 56.79	− 5 48.3	1.587	2.535	10.3	16.2
8 19	22 49.80	− 6 42.6	1.530	2.521	6.0	15.9
8 29	22 41.38	− 7 46.6	1.498	2.507	1.3	15.6
9 8	22 32.53	− 8 53.1	1.493	2.493	3.6	15.7
9 18	22 24.32	− 9 55.0	1.514	2.479	8.4	16.0
9 28	22 17.80	−10 45.7	1.560	2.464	12.7	16.2
10 8	22 13.68	−11 21.2	1.627	2.450	16.3	16.4

171769 2001 AD_{40} 8 31.4 131°.57 4°.3/27.7 17

7 30	23 5.96	−16 47.0	1.668	2.565	13.2	20.3
8 9	22 59.65	−17 57.6	1.621	2.577	9.5	20.1
8 19	22 51.25	−19 10.0	1.598	2.588	5.9	19.9
8 29	22 41.63	−20 15.7	1.601	2.600	4.3	19.9
9 8	22 31.90	−21 7.2	1.632	2.610	6.7	20.1
9 18	22 23.17	−21 39.7	1.688	2.620	10.3	20.3
9 28	22 16.39	−21 51.4	1.768	2.629	13.6	20.5
10 8	22 12.12	−21 43.2	1.867	2.638	16.5	20.7

268353 2005 SS_{278} 8 31.4 184°.80 0°.2/31.6 17

7 30	23 3.41	− 5 39.1	1.902	2.775	12.9	21.8
8 9	22 57.70	− 6 11.1	1.832	2.775	9.4	21.6
8 19	22 50.15	− 6 54.3	1.785	2.775	5.4	21.3
8 29	22 41.43	− 7 44.3	1.766	2.775	1.1	21.0
9 8	22 32.46	− 8 35.3	1.774	2.773	3.2	21.2
9 18	22 24.18	− 9 21.9	1.810	2.772	7.4	21.4
9 28	22 17.48	− 9 59.4	1.871	2.770	11.2	21.7
10 8	22 12.93	−10 24.5	1.955	2.767	14.4	21.9

157897 1999 TV_{76} 8 31.4 221°.98 0°.1/31.3 18

7 30	22 59.38	− 6 52.6	2.576	3.447	10.1	21.8
8 9	22 54.45	− 7 23.6	2.497	3.440	7.3	21.6
8 19	22 48.16	− 8 2.3	2.443	3.434	4.1	21.4
8 29	22 41.03	− 8 45.2	2.417	3.427	0.8	21.1
9 8	22 33.69	− 9 28.5	2.421	3.419	2.6	21.3
9 18	22 26.80	−10 8.1	2.452	3.412	5.9	21.5
9 28	22 21.00	−10 40.6	2.511	3.404	8.9	21.7
10 8	22 16.77	−11 3.5	2.594	3.396	11.5	21.8

401261 2012 BK_{105} 8 31.4 129°.09 3°.6/ 4.5 18

7 30	22 59.08	+ 5 6.4	2.414	3.240	12.1	20.8
8 9	22 54.27	+ 5 4.2	2.339	3.243	9.5	20.6
8 19	22 48.08	+ 4 47.0	2.286	3.246	6.8	20.5
8 29	22 41.02	+ 4 16.2	2.260	3.249	4.3	20.3
9 8	22 33.77	+ 3 34.9	2.261	3.252	3.8	20.3
9 18	22 27.03	+ 2 47.0	2.290	3.255	5.9	20.4
9 28	22 21.44	+ 1 57.5	2.347	3.258	8.6	20.6
10 8	22 17.50	+ 1 11.0	2.427	3.261	11.2	20.8

513883 2013 OW 8 31.4 278°.36 7°.3/ 5.2 18

7 30	23 4.59	+ 8 9.6	1.520	2.350	17.8	21.7
8 9	22 59.28	+ 8 53.2	1.430	2.331	14.6	21.4
8 19	22 51.44	+ 9 14.6	1.361	2.312	11.2	21.2
8 29	22 41.75	+ 9 11.4	1.313	2.293	8.1	21.0
9 8	22 31.34	+ 8 44.6	1.290	2.273	7.4	20.9
9 18	22 21.50	+ 7 58.8	1.292	2.254	9.8	21.0
9 28	22 13.53	+ 7 1.9	1.318	2.234	13.6	21.1
10 8	22 8.36	+ 6 3.1	1.364	2.214	17.4	21.3

434820 2006 RV_{97} 8 31.4 281°.64 0°.3/31.7 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 3.48	− 5 44.4	1.493	2.378	15.2	22.1
8 9	22 58.40	− 6 6.4	1.410	2.359	11.2	21.8
8 19	22 50.87	− 6 42.6	1.348	2.340	6.6	21.5
8 29	22 41.63	− 7 28.6	1.311	2.320	1.5	21.1
9 8	22 31.80	− 8 17.7	1.300	2.301	3.9	21.2
9 18	22 22.65	− 9 3.0	1.315	2.281	9.1	21.5
9 28	22 15.40	− 9 37.9	1.353	2.261	13.9	21.7
10 8	22 10.90	− 9 58.4	1.411	2.241	18.0	21.9

131994 2002 CH_{95} 8 31.4 75°.43 0°.8/30.7 18 R

7 30	23 0.55	− 7 0.8	1.644	2.532	13.8	19.4
8 9	22 55.81	− 7 59.3	1.586	2.538	9.9	19.2
8 19	22 49.12	− 9 9.9	1.551	2.545	5.5	18.9
8 29	22 41.24	−10 26.0	1.542	2.551	1.1	18.6
9 8	22 33.16	−11 39.8	1.559	2.557	4.0	18.9
9 18	22 25.90	−12 44.2	1.604	2.564	8.4	19.2
9 28	22 20.36	−13 33.6	1.672	2.570	12.3	19.4
10 8	22 17.12	−14 5.5	1.762	2.576	15.6	19.6

429727 2011 KC_{26} 8 31.4 97°.58 4°.2/27.6 17

7 30	23 3.61	−16 54.9	1.743	2.641	12.7	21.2
8 9	22 57.87	−18 4.1	1.699	2.656	9.1	21.0
8 19	22 50.21	−19 14.5	1.680	2.670	5.6	20.8
8 29	22 41.44	−20 18.3	1.687	2.684	4.2	20.8
9 8	22 32.61	−21 8.6	1.721	2.699	6.4	20.9
9 18	22 24.71	−21 40.8	1.781	2.712	9.8	21.2
9 28	22 18.62	−21 53.2	1.864	2.726	13.0	21.4
10 8	22 14.86	−21 46.5	1.968	2.739	15.7	21.6

296672 2009 SU_{173} 8 31.4 284°.61 3°.6/ 7.4 16

7 30	22 53.73	+12 3.8	4.411	5.175	8.0	20.1
8 9	22 49.98	+12 12.0	4.320	5.171	6.7	19.9
8 19	22 45.48	+12 9.8	4.252	5.167	5.3	19.8
8 29	22 40.51	+11 57.5	4.210	5.163	4.1	19.8
9 8	22 35.43	+11 36.2	4.196	5.159	3.6	19.7
9 18	22 30.58	+11 7.6	4.210	5.155	4.2	19.8
9 28	22 26.30	+10 34.0	4.253	5.151	5.4	19.8
10 8	22 22.89	+ 9 58.2	4.322	5.147	6.8	19.9

392753 2012 TP_{12} 8 31.4 193°.47 4°.3/ 5.2 18

7 30	22 59.95	+ 7 39.0	2.134	2.952	13.8	21.7
8 9	22 55.11	+ 7 18.3	2.053	2.951	11.0	21.5
8 19	22 48.65	+ 6 37.6	1.994	2.949	7.9	21.3
8 29	22 41.16	+ 5 38.6	1.960	2.947	5.2	21.1
9 8	22 33.40	+ 4 25.5	1.954	2.944	4.4	21.1
9 18	22 26.18	+ 3 4.1	1.976	2.941	6.6	21.2
9 28	22 20.28	+ 1 41.4	2.025	2.938	9.7	21.4
10 8	22 16.26	+ 0 24.0	2.098	2.935	12.6	21.6

176083 2000 XP_{45} 8 31.4 172°.58 9°.8/22.7 18

7 30	23 16.02	−37 9.3	2.048	2.906	12.8	20.2
8 9	23 6.83	−38 16.8	2.008	2.911	11.0	20.1
8 19	22 55.30	−39 7.9	1.992	2.915	9.9	20.1
8 29	22 42.44	−39 34.3	2.001	2.917	10.1	20.1
9 8	22 29.59	−39 31.4	2.035	2.919	11.4	20.2
9 18	22 18.03	−38 58.9	2.094	2.920	13.3	20.3
9 28	22 8.80	−38 0.1	2.174	2.921	15.2	20.5
10 8	22 2.46	−36 40.7	2.271	2.920	17.0	20.6

5996 Julioangel 8 31.4 27°.11 6°.1/ 3.9 18

7 30	23 7.78	+ 3 18.2	1.390	2.243	18.0	15.9
8 9	23 1.35	+ 4 29.2	1.330	2.249	14.2	15.7
8 19	22 52.43	+ 5 21.8	1.291	2.257	10.2	15.5
8 29	22 41.92	+ 5 54.0	1.275	2.265	6.9	15.3
9 8	22 31.13	+ 6 7.3	1.285	2.273	6.5	15.3
9 18	22 21.39	+ 6 5.2	1.319	2.283	9.4	15.5
9 28	22 13.87	+ 5 53.9	1.376	2.292	13.1	15.8
10 8	22 9.26	+ 5 40.2	1.455	2.303	16.6	16.0

225694 2001 QP_{158} 8 31.4 19°.51 1°.2/ 1.1 17

7 30	23 3.89	− 5 56.5	1.139	2.039	17.8	19.7
8 9	22 58.80	− 5 41.8	1.089	2.045	13.1	19.4
8 19	22 51.03	− 5 40.9	1.059	2.052	7.7	19.1
8 29	22 41.64	− 5 50.0	1.051	2.060	2.2	18.8
9 8	22 32.07	− 6 3.5	1.067	2.069	4.2	19.0
9 18	22 23.75	− 6 15.4	1.107	2.079	9.6	19.3
9 28	22 17.88	− 6 20.7	1.168	2.090	14.4	19.7
10 8	22 15.11	− 6 15.7	1.248	2.102	18.4	19.9

74677 1999 RM_{111} 8 31.4 349°.00 2°.2/29.8 18

7 30	22 55.84	− 8 51.0	0.992	1.915	17.6	18.0
8 9	22 53.42	− 9 55.8	0.936	1.906	12.7	17.7
8 19	22 48.21	−11 18.3	0.898	1.898	7.1	17.4
8 29	22 41.12	−12 48.2	0.882	1.891	2.3	17.1
9 8	22 33.59	−14 12.7	0.888	1.886	6.3	17.3
9 18	22 27.15	−15 20.0	0.916	1.882	12.0	17.6
9 28	22 23.15	−16 2.3	0.962	1.880	17.2	17.9
10 8	22 22.37	−16 16.8	1.026	1.879	21.6	18.2

373416 1998 QG_1 8 31.4 38°.72 4°.3/ 3.7 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 6.94	+ 5 36.2	0.819	1.702	24.5	19.7
8 9	23 0.61	+ 4 32.1	0.816	1.755	18.3	19.5
8 19	22 51.64	+ 2 55.8	0.829	1.810	11.7	19.4
8 29	22 41.66	+ 0 58.8	0.863	1.865	5.8	19.3
9 8	22 32.39	− 1 3.0	0.919	1.920	5.1	19.5
9 18	22 25.20	− 2 55.2	0.999	1.975	9.7	19.9
9 28	22 20.95	− 4 27.7	1.099	2.030	14.3	20.4
10 8	22 19.85	− 5 35.8	1.220	2.084	18.1	20.8

103949 2000 DD_{73} 8 31.4 132°.22 0°.3/31.1 17

7 30	23 4.65	− 7 13.4	1.724	2.604	13.7	20.6
8 9	22 58.66	− 7 45.7	1.666	2.613	9.9	20.4
8 19	22 50.71	− 8 28.1	1.630	2.622	5.6	20.2
8 29	22 41.57	− 9 15.7	1.621	2.630	1.0	19.9
9 8	22 32.27	−10 2.1	1.640	2.638	3.6	20.1
9 18	22 23.83	−10 41.9	1.685	2.646	8.0	20.4
9 28	22 17.17	−11 10.6	1.755	2.653	11.8	20.7
10 8	22 12.86	−11 26.0	1.847	2.660	15.1	20.9

67222 2000 DA_{75} 8 31.4 94°.65 1°.7/ 1.8 17

7 30	23 3.87	− 1 2.7	1.299	2.178	17.4	20.2
8 9	22 58.54	− 1 42.9	1.247	2.190	12.9	19.9
8 19	22 50.80	− 2 43.8	1.216	2.203	7.9	19.7
8 29	22 41.59	− 3 59.6	1.208	2.215	2.7	19.4
9 8	22 32.22	− 5 21.2	1.226	2.227	3.9	19.5
9 18	22 23.96	− 6 38.9	1.269	2.239	8.9	19.9
9 28	22 17.89	− 7 44.7	1.335	2.251	13.5	20.2
10 8	22 14.65	− 8 33.4	1.422	2.262	17.3	20.5

324754 2007 FQ_{45} 8 31.4 219°.21 2°.9/ 3.9 18

7 30	22 57.84	+ 3 41.0	2.448	3.282	11.7	21.1
8 9	22 53.41	+ 3 20.6	2.367	3.280	9.1	21.0
8 19	22 47.62	+ 2 45.4	2.310	3.277	6.2	20.8
8 29	22 40.98	+ 1 57.4	2.279	3.275	3.6	20.6
9 8	22 34.12	+ 1 0.4	2.277	3.272	3.2	20.6
9 18	22 27.72	− 0 1.1	2.302	3.270	5.7	20.7
9 28	22 22.43	− 1 1.9	2.355	3.267	8.6	20.9
10 8	22 18.73	− 1 57.3	2.433	3.264	11.3	21.1

282984 2007 TU_{109} 8 31.4 10°.32 2°.9/ 2.7 18

7 30	22 58.39	+ 0 9.5	1.339	2.220	16.8	19.9
8 9	22 54.61	− 0 0.0	1.280	2.222	12.8	19.6
8 19	22 48.60	− 0 30.0	1.242	2.225	8.2	19.4
8 29	22 41.19	− 1 16.8	1.226	2.230	3.8	19.1
9 8	22 33.52	− 2 14.1	1.234	2.235	4.0	19.2
9 18	22 26.75	− 3 13.8	1.267	2.241	8.4	19.4
9 28	22 21.95	− 4 8.0	1.323	2.248	12.8	19.7
10 8	22 19.73	− 4 50.5	1.399	2.256	16.6	20.0

129541 1996 PQ_9 8 31.4 307°.23 4°.4/ 1.7 18

7 30	23 14.03	− 3 51.2	1.262	2.135	18.1	17.9
8 9	23 7.00	− 2 26.3	1.161	2.099	14.1	17.5
8 19	22 56.39	− 1 6.1	1.081	2.063	9.4	17.2
8 29	22 42.87	+ 0 7.5	1.025	2.027	5.0	16.8
9 8	22 27.89	+ 1 13.1	0.995	1.992	6.0	16.8
9 18	22 13.33	+ 2 10.0	0.990	1.956	11.4	16.9
9 28	22 1.15	+ 2 59.9	1.009	1.921	17.1	17.1
10 8	21 52.73	+ 3 46.2	1.046	1.887	22.2	17.3

91920 1999 VF_{33} 8 31.4 279°.70 4°.4/26.8 18

7 30	23 1.25	−20 32.6	2.218	3.113	10.5	19.6
8 9	22 56.02	−21 24.0	2.156	3.108	7.7	19.4
8 19	22 49.15	−22 14.2	2.119	3.104	5.2	19.2
8 29	22 41.29	−22 57.3	2.109	3.100	4.5	19.2
9 8	22 33.24	−23 28.1	2.127	3.095	6.2	19.3
9 18	22 25.83	−23 43.2	2.171	3.091	9.0	19.4
9 28	22 19.83	−23 41.4	2.239	3.086	11.7	19.6
10 8	22 15.76	−23 23.1	2.329	3.082	14.1	19.8

490314 2009 BE_{51} 8 31.4 217°.52 2°.5/ 2.8 18

7 30	23 3.61	+ 0 10.3	2.289	3.132	12.1	22.2
8 9	22 57.69	+ 0 14.2	2.204	3.125	9.3	22.0
8 19	22 50.12	+ 0 6.0	2.143	3.117	6.1	21.8
8 29	22 41.50	− 0 12.8	2.108	3.109	3.1	21.6
9 8	22 32.57	− 0 39.0	2.102	3.100	3.2	21.6
9 18	22 24.15	− 1 9.1	2.125	3.090	6.3	21.8
9 28	22 17.01	− 1 38.7	2.176	3.081	9.5	22.0
10 8	22 11.73	− 2 3.9	2.250	3.070	12.4	22.1

265718 2005 UN_{352} 8 31.4 357°.78 9°.3/25.5 18

7 30	23 7.60	−30 52.1	1.477	2.375	14.6	19.4
8 9	23 1.24	−31 26.6	1.430	2.371	11.8	19.3
8 19	22 52.32	−31 47.1	1.404	2.368	9.7	19.1
8 29	22 41.91	−31 45.0	1.401	2.366	9.4	19.1
9 8	22 31.47	−31 15.3	1.422	2.365	11.1	19.2
9 18	22 22.36	−30 17.5	1.466	2.366	13.8	19.4
9 28	22 15.69	−28 54.9	1.531	2.367	16.7	19.6
10 8	22 12.03	−27 13.4	1.614	2.370	19.2	19.8

167235 2003 UJ_{64} 8 31.4 349°.82 5°.6/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 53.94	+10 48.3	1.408	2.247	18.5	19.3
8 9	22 51.44	+ 9 54.4	1.333	2.241	15.0	19.0
8 19	22 46.85	+ 8 25.2	1.276	2.235	11.0	18.8
8 29	22 40.88	+ 6 23.2	1.242	2.230	7.2	18.5
9 8	22 34.54	+ 3 56.7	1.232	2.226	5.6	18.4
9 18	22 28.92	+ 1 18.6	1.248	2.223	8.3	18.6
9 28	22 25.07	− 1 16.5	1.289	2.221	12.5	18.8
10 8	22 23.66	− 3 35.8	1.352	2.220	16.4	19.1

360727 2004 TN_{226} 8 31.4 347°.89 4°.0/27.7 18

7 30	23 2.27	−19 8.9	2.037	2.933	11.2	20.7
8 9	22 56.83	−19 47.6	1.977	2.931	8.2	20.5
8 19	22 49.64	−20 25.6	1.942	2.930	5.3	20.3
8 29	22 41.41	−20 57.1	1.933	2.928	4.1	20.2
9 8	22 33.02	−21 17.0	1.951	2.927	6.0	20.4
9 18	22 25.36	−21 22.3	1.995	2.926	9.0	20.5
9 28	22 19.23	−21 11.6	2.064	2.925	12.0	20.7
10 8	22 15.18	−20 45.5	2.154	2.924	14.6	20.9

514389 2016 SM_{13} 8 31.4 278°.18 0°.7/31.9 18

7 30	23 4.07	− 5 41.5	1.732	2.609	13.8	21.4
8 9	22 58.49	− 5 46.0	1.651	2.595	10.2	21.1
8 19	22 50.80	− 6 1.4	1.593	2.582	6.1	20.8
8 29	22 41.67	− 6 24.5	1.560	2.569	1.6	20.5
9 8	22 32.13	− 6 50.6	1.555	2.555	3.4	20.6
9 18	22 23.26	− 7 14.7	1.576	2.542	7.9	20.9
9 28	22 16.07	− 7 32.2	1.622	2.528	12.1	21.1
10 8	22 11.28	− 7 40.0	1.690	2.515	15.7	21.3

284984 Ikaunieks 8 31.4 336°.75 5°.8/26.3 18

7 30	23 1.52	−20 21.2	1.587	2.495	13.1	20.5
8 9	22 56.76	−21 35.1	1.532	2.490	9.7	20.2
8 19	22 49.80	−22 48.5	1.499	2.486	6.7	20.1
8 29	22 41.47	−23 52.4	1.491	2.481	5.9	20.0
9 8	22 32.87	−24 38.7	1.509	2.478	8.2	20.1
9 18	22 25.16	−25 2.4	1.551	2.474	11.6	20.3
9 28	22 19.36	−25 2.0	1.615	2.471	15.0	20.5
10 8	22 16.10	−24 38.9	1.697	2.468	17.8	20.7

517884 2015 SM_{17} 8 31.4 248°.51 8°.7/20.9 18

7 30	23 6.93	−38 31.0	2.504	3.362	10.7	20.3
8 9	23 0.11	−39 28.9	2.458	3.356	9.4	20.2
8 19	22 51.48	−40 13.2	2.436	3.349	8.8	20.2
8 29	22 41.78	−40 37.7	2.439	3.343	9.0	20.2
9 8	22 31.98	−40 38.5	2.466	3.336	10.2	20.2
9 18	22 23.04	−40 14.6	2.517	3.329	11.7	20.3
9 28	22 15.78	−39 27.8	2.589	3.322	13.4	20.4
10 8	22 10.74	−38 21.6	2.679	3.314	14.9	20.6

145629 2188 P–L 8 31.4 314°.32 1°.6/ 1.5 18

7 30	23 1.45	− 3 35.2	1.249	2.141	17.0	19.7
8 9	22 57.27	− 3 41.7	1.172	2.123	12.8	19.4
8 19	22 50.41	− 4 5.9	1.115	2.105	7.8	19.1
8 29	22 41.64	− 4 44.5	1.080	2.088	2.6	18.7
9 8	22 32.24	− 5 30.8	1.069	2.071	4.2	18.8
9 18	22 23.62	− 6 17.0	1.082	2.055	9.7	19.1
9 28	22 17.16	− 6 55.3	1.117	2.039	14.9	19.3
10 8	22 13.77	− 7 19.8	1.170	2.024	19.4	19.6

193517 2000 YR_{57} 8 31.4 282°.52 2°.1/ 2.3 18

7 30	23 1.26	− 0 53.4	1.759	2.624	14.2	20.3
8 9	22 56.50	− 1 9.2	1.671	2.605	10.8	20.1
8 19	22 49.70	− 1 41.3	1.604	2.586	6.9	19.8
8 29	22 41.48	− 2 27.1	1.562	2.567	2.9	19.5
9 8	22 32.78	− 3 21.6	1.547	2.548	3.5	19.5
9 18	22 24.61	− 4 18.5	1.559	2.528	7.7	19.7
9 28	22 18.00	− 5 11.1	1.596	2.509	11.9	19.9
10 8	22 13.68	− 5 54.0	1.654	2.489	15.5	20.1

388831 2008 DB_{9} 8 31.4 59°.98 0°.9/30.4 18

7 30	22 58.51	− 7 22.8	1.950	2.835	12.1	20.8
8 9	22 54.15	− 8 27.5	1.888	2.840	8.7	20.6
8 19	22 48.15	− 9 42.6	1.851	2.844	4.8	20.4
8 29	22 41.14	−11 2.2	1.840	2.849	1.1	20.2
9 8	22 33.94	−12 19.4	1.857	2.854	3.7	20.4
9 18	22 27.39	−13 27.8	1.902	2.859	7.5	20.6
9 28	22 22.26	−14 22.5	1.972	2.864	11.0	20.8
10 8	22 19.06	−15 0.9	2.064	2.869	14.0	21.1

443425 2014 HT_{107} 8 31.4 60°.12 2°.6/28.9 18

7 30	23 0.40	−12 54.0	1.867	2.763	12.1	21.0
8 9	22 55.54	−13 51.4	1.814	2.771	8.6	20.8
8 19	22 48.93	−14 53.8	1.785	2.779	4.9	20.6
8 29	22 41.29	−15 55.0	1.782	2.787	2.6	20.5
9 8	22 33.51	−16 48.4	1.806	2.795	4.9	20.6
9 18	22 26.49	−17 29.0	1.857	2.803	8.5	20.9
9 28	22 21.03	−17 53.6	1.933	2.812	11.8	21.1
10 8	22 17.65	−18 1.5	2.029	2.821	14.6	21.3

213478 2002 EQ_{135} 8 31.4 195°.29 1°.3/30.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 5.01	− 8 51.3	1.627	2.513	14.1	21.0
8 9	22 59.19	− 9 38.7	1.560	2.512	10.1	20.7
8 19	22 51.18	−10 36.6	1.516	2.510	5.7	20.5
8 29	22 41.76	−11 38.8	1.498	2.507	1.4	20.2
9 8	22 32.03	−12 37.5	1.507	2.504	4.4	20.4
9 18	22 23.13	−13 26.3	1.543	2.500	9.0	20.6
9 28	22 16.09	−14 0.3	1.603	2.496	13.1	20.9
10 8	22 11.58	−14 17.4	1.684	2.491	16.5	21.1

439836 1996 TX_{51} 8 31.4 352°.35 2°.0/30.2 18

7 30	23 2.77	−13 5.3	1.356	2.263	15.0	19.6
8 9	22 57.87	−13 4.6	1.294	2.255	10.9	19.3
8 19	22 50.53	−13 8.3	1.252	2.248	6.2	19.0
8 29	22 41.64	−13 11.3	1.235	2.243	2.1	18.8
9 8	22 32.44	−13 8.2	1.242	2.239	5.0	18.9
9 18	22 24.25	−12 55.1	1.273	2.236	9.8	19.2
9 28	22 18.18	−12 29.9	1.327	2.234	14.2	19.5
10 8	22 14.94	−11 52.1	1.401	2.234	17.9	19.7

103708 2000 CD_{84} 8 31.4 83°.12 0°.3/31.7 18

7 30	23 2.99	− 5 37.2	1.902	2.775	12.9	19.7
8 9	22 57.25	− 6 3.7	1.852	2.796	9.4	19.5
8 19	22 49.83	− 6 40.2	1.826	2.816	5.4	19.3
8 29	22 41.46	− 7 22.5	1.827	2.836	1.2	19.0
9 8	22 33.05	− 8 5.2	1.856	2.856	3.1	19.2
9 18	22 25.47	− 8 43.5	1.912	2.875	7.0	19.5
9 28	22 19.47	− 9 13.4	1.994	2.895	10.5	19.8
10 8	22 15.54	− 9 32.3	2.099	2.914	13.4	20.0

146075 2000 GC_{116} 8 31.4 231°.47 3°.1/28.5 18

7 30	23 3.94	−13 57.4	1.864	2.756	12.3	20.8
8 9	22 58.31	−15 0.7	1.790	2.744	8.9	20.6
8 19	22 50.66	−16 9.9	1.740	2.733	5.2	20.3
8 29	22 41.67	−17 18.0	1.717	2.720	3.1	20.2
9 8	22 32.31	−18 17.7	1.722	2.707	5.6	20.3
9 18	22 23.60	−19 3.0	1.753	2.694	9.4	20.5
9 28	22 16.52	−19 30.3	1.809	2.679	13.0	20.7
10 8	22 11.75	−19 38.6	1.886	2.665	16.1	20.9

160345 2003 SJ_{175} 8 31.4 127°.39 0°.3/31.7 18

7 30	23 1.05	− 4 52.3	1.808	2.685	13.3	20.1
8 9	22 56.10	− 5 30.6	1.743	2.688	9.7	19.9
8 19	22 49.31	− 6 21.4	1.700	2.690	5.6	19.7
8 29	22 41.39	− 7 20.1	1.684	2.693	1.3	19.4
9 8	22 33.24	− 8 20.3	1.695	2.695	3.2	19.5
9 18	22 25.80	− 9 15.9	1.733	2.697	7.5	19.8
9 28	22 19.94	−10 1.5	1.796	2.699	11.3	20.0
10 8	22 16.23	−10 33.8	1.881	2.702	14.5	20.2

516268 2016 VN_{13} 8 31.4 240°.33 3°.6/27.1 18

7 30	23 1.94	−18 48.2	2.565	3.453	9.5	22.5
8 9	22 56.45	−19 45.3	2.486	3.436	6.9	22.3
8 19	22 49.43	−20 43.3	2.433	3.419	4.5	22.1
8 29	22 41.41	−21 36.7	2.409	3.402	3.7	22.0
9 8	22 33.12	−22 20.5	2.413	3.384	5.4	22.1
9 18	22 25.28	−22 51.1	2.446	3.365	8.1	22.2
9 28	22 18.63	−23 6.1	2.503	3.346	10.7	22.4
10 8	22 13.70	−23 5.4	2.583	3.326	13.1	22.5

280397 2003 UH_{314} 8 31.4 18°.69 3°.5/28.7 18

7 30	22 56.15	−11 45.6	1.052	1.977	16.7	19.2
8 9	22 53.30	−13 3.8	1.017	1.988	11.8	18.9
8 19	22 47.94	−14 31.6	1.002	2.001	6.7	18.7
8 29	22 41.11	−15 57.4	1.010	2.016	3.5	18.6
9 8	22 34.19	−17 9.7	1.040	2.032	6.9	18.8
9 18	22 28.50	−18 0.1	1.092	2.050	11.6	19.2
9 28	22 25.09	−18 24.8	1.165	2.069	15.9	19.5
10 8	22 24.51	−18 24.0	1.255	2.090	19.5	19.8

420870 2013 KA_{7} 8 31.4 42°.59 2°.6/ 2.2 17

7 30	23 2.85	− 1 2.4	1.051	1.944	19.5	20.6
8 9	22 58.14	− 1 15.2	1.008	1.958	14.6	20.4
8 19	22 50.71	− 1 50.7	0.984	1.972	9.0	20.1
8 29	22 41.67	− 2 43.9	0.981	1.987	3.6	19.9
9 8	22 32.51	− 3 45.7	1.002	2.003	4.4	20.0
9 18	22 24.69	− 4 46.4	1.045	2.020	9.6	20.4
9 28	22 19.41	− 5 37.3	1.110	2.037	14.5	20.7
10 8	22 17.26	− 6 12.8	1.193	2.054	18.7	21.0

273496 2007 AL_{16} 8 31.4 181°.27 0°.5/31.9 18

7 30	23 4.04	− 4 44.2	1.978	2.846	12.8	21.7
8 9	22 58.15	− 5 11.9	1.907	2.847	9.4	21.5
8 19	22 50.45	− 5 50.8	1.860	2.847	5.5	21.3
8 29	22 41.62	− 6 37.2	1.839	2.847	1.4	21.0
9 8	22 32.55	− 7 25.6	1.847	2.847	3.1	21.1
9 18	22 24.14	− 8 10.9	1.883	2.846	7.1	21.4
9 28	22 17.26	− 8 48.4	1.945	2.844	10.8	21.6
10 8	22 12.49	− 9 14.9	2.029	2.841	13.9	21.8

287237 2002 TN_{42} 8 31.4 291°.38 6°.2/25.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 4.48	−23 20.9	1.899	2.795	11.9	20.0
8 9	22 58.90	−24 24.7	1.816	2.765	9.1	19.8
8 19	22 51.11	−25 26.7	1.757	2.735	6.7	19.6
8 29	22 41.80	−26 18.9	1.723	2.705	6.3	19.5
9 8	22 31.95	−26 53.8	1.716	2.674	8.4	19.6
9 18	22 22.71	−27 6.8	1.735	2.643	11.5	19.7
9 28	22 15.14	−26 56.0	1.776	2.612	14.7	19.9
10 8	22 10.02	−26 23.0	1.835	2.581	17.6	20.0

479503 2014 AW_{54} 8 31.4 86°.95 4°.0/ 3.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 4.01	+ 2 46.3	1.771	2.617	15.0	20.6
8 9	22 58.24	+ 3 3.0	1.706	2.625	11.7	20.4
8 19	22 50.54	+ 3 2.8	1.663	2.632	8.0	20.2
8 29	22 41.65	+ 2 46.8	1.645	2.640	4.7	20.0
9 8	22 32.53	+ 2 18.6	1.654	2.648	4.4	20.0
9 18	22 24.20	+ 1 43.2	1.689	2.656	7.4	20.2
9 28	22 17.56	+ 1 6.2	1.749	2.663	10.9	20.4
10 8	22 13.19	+ 0 33.1	1.833	2.671	14.1	20.7

157285 2004 RD_{287} 8 31.4 331°.58 3°.2/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.80	−16 58.6	1.997	2.891	11.5	19.8
8 9	22 57.28	−17 23.8	1.930	2.885	8.3	19.6
8 19	22 49.96	−17 49.8	1.888	2.879	5.0	19.4
8 29	22 41.54	−18 11.4	1.872	2.873	3.2	19.3
9 8	22 32.92	−18 23.8	1.883	2.868	5.3	19.4
9 18	22 25.00	−18 24.0	1.921	2.863	8.6	19.6
9 28	22 18.64	−18 10.1	1.984	2.858	11.8	19.8
10 8	22 14.39	−17 42.5	2.068	2.854	14.6	20.0

392598 2011 SH_{223} 8 31.4 19°.11 2°.9/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.57	+ 1 59.1	1.692	2.552	14.9	20.7
8 9	22 54.42	+ 1 32.4	1.625	2.555	11.4	20.5
8 19	22 48.42	+ 0 46.4	1.580	2.558	7.5	20.3
8 29	22 41.24	− 0 15.6	1.560	2.561	3.7	20.1
9 8	22 33.83	− 1 27.5	1.565	2.565	3.6	20.1
9 18	22 27.13	− 2 42.1	1.597	2.569	7.3	20.3
9 28	22 22.01	− 3 51.9	1.654	2.573	11.1	20.5
10 8	22 19.08	− 4 50.9	1.734	2.578	14.5	20.8

218450 2004 RW_{220} 8 31.4 18°.09 8°.1/ 6.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.63	+11 24.0	1.730	2.537	16.9	18.8
8 9	22 57.38	+12 30.9	1.666	2.544	14.1	18.6
8 19	22 50.13	+13 15.7	1.622	2.552	11.3	18.5
8 29	22 41.59	+13 36.3	1.600	2.560	8.9	18.4
9 8	22 32.77	+13 33.3	1.603	2.569	8.1	18.3
9 18	22 24.69	+13 10.5	1.631	2.579	9.3	18.4
9 28	22 18.31	+12 34.0	1.682	2.589	11.7	18.6
10 8	22 14.27	+11 51.5	1.755	2.601	14.3	18.8

241758 2001 DD_{31} 8 31.4 154°.94 1°.0/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.31	− 8 38.3	2.376	3.251	10.6	21.1
8 9	22 55.91	− 9 37.9	2.313	3.260	7.6	20.9
8 19	22 49.07	−10 45.0	2.276	3.268	4.2	20.7
8 29	22 41.36	−11 54.5	2.267	3.275	1.1	20.5
9 8	22 33.50	−13 0.9	2.287	3.282	3.3	20.7
9 18	22 26.22	−13 59.4	2.337	3.288	6.7	20.9
9 28	22 20.18	−14 46.2	2.413	3.294	9.7	21.1
10 8	22 15.86	−15 19.3	2.513	3.298	12.3	21.3

149967 2005 TK_{126} 8 31.5 197°.61 2°.0/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.04	−12 38.7	2.151	3.039	11.0	20.6
8 9	22 55.88	−13 16.6	2.085	3.038	7.9	20.4
8 19	22 49.12	−13 59.0	2.045	3.038	4.5	20.2
8 29	22 41.38	−14 41.1	2.032	3.038	2.0	20.0
9 8	22 33.46	−15 17.7	2.046	3.037	4.1	20.1
9 18	22 26.16	−15 44.9	2.088	3.037	7.5	20.4
9 28	22 20.24	−15 59.9	2.156	3.037	10.7	20.6
10 8	22 16.21	−16 1.6	2.246	3.036	13.4	20.7

285501 2000 DM_{40} 8 31.5 184°.38 0°.6/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.95	− 4 41.7	2.204	3.070	11.7	21.0
8 9	22 56.50	− 5 5.6	2.132	3.070	8.6	20.8
8 19	22 49.48	− 5 39.6	2.083	3.070	5.0	20.6
8 29	22 41.46	− 6 20.2	2.061	3.070	1.3	20.3
9 8	22 33.24	− 7 3.1	2.069	3.069	2.8	20.4
9 18	22 25.59	− 7 43.6	2.104	3.067	6.4	20.6
9 28	22 19.26	− 8 17.7	2.166	3.066	9.8	20.9
10 8	22 14.79	− 8 42.3	2.251	3.064	12.7	21.0

123790 2001 BD_{35} 8 31.5 236°.51 0°.7/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.84	− 8 11.1	2.651	3.525	9.7	20.5
8 9	22 54.13	− 8 58.1	2.567	3.513	7.0	20.3
8 19	22 48.09	− 9 52.7	2.509	3.501	3.9	20.1
8 29	22 41.19	−10 50.9	2.479	3.488	0.9	19.8
9 8	22 34.05	−11 48.2	2.479	3.475	2.9	20.0
9 18	22 27.31	−12 40.2	2.507	3.462	6.1	20.2
9 28	22 21.59	−13 23.2	2.563	3.448	9.1	20.3
10 8	22 17.40	−13 54.9	2.642	3.434	11.6	20.5

523140 2016 SW_{54} 8 31.5 298°.64 3°.5/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 1.70	−15 24.5	1.764	2.663	12.5	21.4
8 9	22 56.72	−16 20.9	1.700	2.657	9.0	21.2
8 19	22 49.75	−17 21.2	1.659	2.652	5.4	21.0
8 29	22 41.54	−18 18.3	1.645	2.647	3.5	20.8
9 8	22 33.05	−19 5.3	1.657	2.641	5.9	21.0
9 18	22 25.31	−19 37.0	1.695	2.636	9.6	21.2
9 28	22 19.25	−19 50.4	1.757	2.631	13.1	21.4
10 8	22 15.49	−19 45.3	1.839	2.626	16.1	21.6

312541 2009 EU_{26} 8 31.5 150°.83 3°.4/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 6.22	+ 1 54.0	1.630	2.481	15.8	21.2
8 9	23 0.00	+ 1 50.8	1.565	2.488	12.2	21.0
8 19	22 51.63	+ 1 28.9	1.521	2.495	8.1	20.8
8 29	22 41.91	+ 0 50.8	1.502	2.501	4.3	20.6
9 8	22 31.93	+ 0 1.5	1.510	2.507	4.2	20.6
9 18	22 22.83	− 0 52.5	1.544	2.512	7.8	20.8
9 28	22 15.59	− 1 44.4	1.604	2.517	11.8	21.0
10 8	22 10.88	− 2 28.3	1.686	2.521	15.3	21.3

200539 2001 EY_{11} 8 31.5 209°.01 0°.9/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.55	− 8 17.2	2.077	2.957	11.7	20.7
8 9	22 56.35	− 9 3.2	2.004	2.952	8.5	20.4
8 19	22 49.45	− 9 58.1	1.956	2.948	4.7	20.2
8 29	22 41.47	−10 57.0	1.934	2.943	1.1	19.9
9 8	22 33.24	−11 54.2	1.941	2.938	3.5	20.1
9 18	22 25.59	−12 44.2	1.976	2.932	7.4	20.3
9 28	22 19.34	−13 22.9	2.037	2.926	10.8	20.6
10 8	22 15.05	−13 47.8	2.120	2.920	13.8	20.8

399132 2014 EK_{7} 8 31.5 335°.29 2°.1/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.61	−12 31.5	1.725	2.618	13.0	20.6
8 9	22 58.07	−12 58.6	1.661	2.616	9.4	20.4
8 19	22 50.50	−13 31.0	1.620	2.614	5.3	20.2
8 29	22 41.68	−14 3.2	1.605	2.612	2.1	20.0
9 8	22 32.63	−14 29.4	1.617	2.611	4.7	20.1
9 18	22 24.39	−14 45.2	1.655	2.609	8.7	20.4
9 28	22 17.90	−14 47.7	1.718	2.608	12.5	20.6
10 8	22 13.78	−14 36.0	1.801	2.607	15.7	20.8

395408 2011 SF_{140} 8 31.5 10°.59 4°.5/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 4.66	−19 18.2	1.690	2.590	12.9	20.4
8 9	22 58.83	−19 52.9	1.635	2.591	9.4	20.2
8 19	22 50.92	−20 26.4	1.603	2.592	6.1	20.0
8 29	22 41.76	−20 51.9	1.597	2.594	4.6	19.9
9 8	22 32.46	−21 3.8	1.617	2.596	6.7	20.0
9 18	22 24.10	−20 58.9	1.662	2.598	10.1	20.2
9 28	22 17.63	−20 36.3	1.731	2.600	13.5	20.4
10 8	22 13.63	−19 57.4	1.820	2.603	16.4	20.7

378213 2007 AF_{11} 8 31.5 233°.30 1°.1/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.73	− 8 4.1	1.856	2.738	12.8	21.4
8 9	22 57.45	− 8 59.7	1.777	2.727	9.3	21.1
8 19	22 50.21	−10 6.6	1.722	2.715	5.2	20.9
8 29	22 41.66	−11 19.0	1.694	2.703	1.3	20.6
9 8	22 32.71	−12 29.6	1.694	2.690	4.0	20.8
9 18	22 24.38	−13 31.8	1.721	2.677	8.3	21.0
9 28	22 17.60	−14 20.2	1.773	2.663	12.2	21.2
10 8	22 13.05	−14 52.0	1.847	2.648	15.5	21.4

126634 2002 CB_{167} 8 31.5 225°.94 0°.5/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 6.24	− 8 59.1	2.130	3.002	11.8	21.4
8 9	22 59.75	− 9 13.2	2.048	2.991	8.6	21.2
8 19	22 51.42	− 9 34.0	1.989	2.980	4.9	21.0
8 29	22 41.90	− 9 57.8	1.959	2.968	1.0	20.7
9 8	22 32.04	−10 20.4	1.957	2.955	3.3	20.8
9 18	22 22.77	−10 38.0	1.984	2.942	7.2	21.1
9 28	22 14.96	−10 47.2	2.038	2.928	10.8	21.3
10 8	22 9.23	−10 46.4	2.115	2.913	13.9	21.4

324707 2007 EH_{112} 8 31.5 258°.46 6°.4/24.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 6.86	−29 17.8	2.434	3.313	10.3	21.2
8 9	23 0.08	−29 59.7	2.367	3.298	8.2	21.0
8 19	22 51.54	−30 33.9	2.324	3.283	6.7	20.9
8 29	22 41.91	−30 54.5	2.309	3.268	6.6	20.9
9 8	22 32.08	−30 57.1	2.320	3.253	7.9	21.0
9 18	22 22.95	−30 39.8	2.358	3.238	10.1	21.1
9 28	22 15.33	−30 3.0	2.420	3.222	12.4	21.2
10 8	22 9.80	−29 9.1	2.502	3.206	14.4	21.3

148127 1999 TM_{186} 8 31.5 36°.35 1°.4/ 1.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.12	− 3 52.6	2.018	2.885	12.6	19.2
8 9	22 56.71	− 3 50.8	1.951	2.889	9.3	19.0
8 19	22 49.63	− 3 59.4	1.908	2.894	5.7	18.8
8 29	22 41.53	− 4 15.7	1.892	2.898	2.0	18.5
9 8	22 33.25	− 4 36.2	1.903	2.903	2.9	18.6
9 18	22 25.64	− 4 56.9	1.941	2.908	6.6	18.9
9 28	22 19.48	− 5 13.9	2.006	2.913	10.1	19.1
10 8	22 15.31	− 5 24.2	2.093	2.919	13.1	19.3

286580 2002 CG_{224} 8 31.5 98°.63 1°.3/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 1.93	−11 17.6	2.305	3.186	10.7	20.7
8 9	22 56.33	−11 47.6	2.251	3.201	7.6	20.5
8 19	22 49.31	−12 22.0	2.222	3.215	4.2	20.3
8 29	22 41.46	−12 56.8	2.221	3.228	1.4	20.2
9 8	22 33.54	−13 27.5	2.248	3.242	3.5	20.3
9 18	22 26.29	−13 50.8	2.304	3.256	6.7	20.6
9 28	22 20.35	−14 4.1	2.385	3.269	9.7	20.8
10 8	22 16.20	−14 6.4	2.490	3.282	12.2	21.0

246582 2008 UJ_{54} 8 31.5 156°.73 1°.1/ 1.3 17

7 30	23 4.69	− 2 56.0	1.370	2.251	16.6	20.7
8 9	22 59.24	− 3 29.3	1.309	2.254	12.3	20.5
8 19	22 51.36	− 4 20.7	1.268	2.256	7.3	20.2
8 29	22 41.91	− 5 24.9	1.251	2.259	2.2	19.9
9 8	22 32.15	− 6 33.7	1.260	2.261	3.8	20.0
9 18	22 23.37	− 7 38.7	1.294	2.263	9.0	20.3
9 28	22 16.71	− 8 32.5	1.352	2.264	13.6	20.6
10 8	22 12.87	− 9 10.4	1.431	2.266	17.5	20.9

115280 2003 SM_{188} 8 31.5 280°.92 1°.5/ 1.7 18

7 30	23 1.15	− 1 25.4	1.405	2.284	16.3	19.7
8 9	22 56.76	− 2 5.6	1.332	2.276	12.2	19.4
8 19	22 50.01	− 3 6.6	1.280	2.267	7.5	19.2
8 29	22 41.67	− 4 23.6	1.252	2.259	2.5	18.8
9 8	22 32.86	− 5 48.3	1.249	2.251	3.8	18.9
9 18	22 24.84	− 7 11.3	1.272	2.242	8.9	19.2
9 28	22 18.76	− 8 23.6	1.318	2.234	13.6	19.4
10 8	22 15.39	− 9 19.1	1.384	2.226	17.7	19.7

62089 2000 RM_{89} 8 31.5 45°.87 4°.4/ 4.4 18

7 30	23 0.35	+ 5 5.6	1.521	2.372	16.8	19.1
8 9	22 55.89	+ 4 52.3	1.458	2.378	13.1	18.9
8 19	22 49.36	+ 4 15.5	1.416	2.385	9.1	18.7
8 29	22 41.52	+ 3 17.7	1.397	2.392	5.4	18.5
9 8	22 33.44	+ 2 4.9	1.404	2.400	4.8	18.4
9 18	22 26.19	+ 0 45.1	1.436	2.407	7.9	18.7
9 28	22 20.75	− 0 32.8	1.492	2.415	11.8	18.9
10 8	22 17.73	− 1 41.3	1.570	2.423	15.3	19.1

258750 2002 GV_{178} 8 31.5 24°.76 1°.1/ 1.2 17

7 30	23 2.31	− 5 9.9	0.981	1.889	19.2	19.8
8 9	22 57.95	− 5 11.7	0.939	1.899	14.1	19.6
8 19	22 50.73	− 5 31.2	0.916	1.910	8.3	19.3
8 29	22 41.79	− 6 2.8	0.913	1.922	2.3	19.0
9 8	22 32.73	− 6 38.4	0.933	1.935	4.4	19.2
9 18	22 25.07	− 7 10.1	0.975	1.950	10.2	19.5
9 28	22 20.05	− 7 31.1	1.037	1.965	15.2	19.9
10 8	22 18.28	− 7 37.6	1.118	1.982	19.4	20.2

271009 Reitterferenc 8 31.5 302°.39 0°.3/31.7 18

7 30	23 1.93	− 5 37.8	1.404	2.294	15.6	20.8
8 9	22 57.47	− 6 0.5	1.322	2.274	11.6	20.5
8 19	22 50.52	− 6 38.4	1.262	2.254	6.8	20.2
8 29	22 41.81	− 7 27.0	1.225	2.234	1.5	19.8
9 8	22 32.48	− 8 19.3	1.213	2.214	4.0	19.9
9 18	22 23.85	− 9 7.6	1.226	2.195	9.4	20.2
9 28	22 17.17	− 9 44.9	1.263	2.176	14.3	20.4
10 8	22 13.31	−10 6.8	1.318	2.157	18.5	20.6

223315 2003 QX_{4} 8 31.5 14°.40 1°.5/ 2.0 18

7 30	22 55.58	− 0 49.9	1.579	2.458	14.8	19.9
8 9	22 52.35	− 1 35.6	1.521	2.465	11.0	19.7
8 19	22 47.29	− 2 39.6	1.485	2.472	6.7	19.4
8 29	22 41.11	− 3 56.6	1.474	2.481	2.5	19.2
9 8	22 34.74	− 5 19.1	1.488	2.490	3.2	19.3
9 18	22 29.13	− 6 39.0	1.529	2.501	7.5	19.6
9 28	22 25.12	− 7 48.8	1.594	2.512	11.5	19.8
10 8	22 23.26	− 8 43.6	1.680	2.525	14.9	20.1

471015 2009 SG_{276} 8 31.5 269°.78 2°.2/29.8 18

7 30	23 4.20	−11 36.2	1.636	2.528	13.6	21.9
8 9	22 58.81	−12 18.0	1.557	2.512	9.9	21.6
8 19	22 51.15	−13 8.1	1.501	2.495	5.6	21.3
8 29	22 41.93	−14 0.1	1.471	2.478	2.2	21.1
9 8	22 32.23	−14 46.7	1.467	2.460	5.0	21.2
9 18	22 23.22	−15 21.8	1.489	2.443	9.5	21.4
9 28	22 16.02	−15 40.9	1.536	2.425	13.7	21.6
10 8	22 11.38	−15 42.5	1.602	2.407	17.3	21.8

421485 2014 OZ_{55} 8 31.5 72°.08 1°.5/29.8 18

7 30	22 59.31	−10 40.6	2.218	3.104	10.8	21.3
8 9	22 54.56	−11 28.6	2.162	3.114	7.7	21.1
8 19	22 48.37	−12 22.3	2.132	3.125	4.3	20.9
8 29	22 41.32	−13 16.8	2.128	3.136	1.5	20.7
9 8	22 34.16	−14 6.9	2.154	3.147	3.7	20.9
9 18	22 27.63	−14 48.4	2.206	3.158	7.0	21.1
9 28	22 22.38	−15 17.9	2.285	3.169	10.1	21.3
10 8	22 18.89	−15 34.0	2.386	3.180	12.6	21.5

179414 2002 AD_{3} 8 31.5 216°.13 10°.0/ 5.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 12.87	+10 21.4	1.319	2.136	20.7	19.5
8 9	23 5.67	+11 55.8	1.245	2.132	17.3	19.2
8 19	22 55.36	+13 6.5	1.190	2.128	13.8	19.0
8 29	22 42.82	+13 47.7	1.157	2.123	10.9	18.8
9 8	22 29.51	+13 57.6	1.148	2.117	10.1	18.8
9 18	22 17.10	+13 39.3	1.163	2.111	12.2	18.9
9 28	22 7.14	+13 1.0	1.200	2.105	15.6	19.1
10 8	22 0.64	+12 13.7	1.256	2.098	19.1	19.3

265552 2005 PW 8 31.5 86°.10 1°.0/ 1.2 17

7 30	23 5.74	− 4 43.3	1.500	2.379	15.5	20.4
8 9	22 59.75	− 4 51.3	1.444	2.389	11.4	20.2
8 19	22 51.54	− 5 12.5	1.410	2.398	6.7	20.0
8 29	22 41.98	− 5 42.7	1.400	2.408	1.9	19.7
9 8	22 32.26	− 6 16.3	1.417	2.418	3.6	19.8
9 18	22 23.54	− 6 47.4	1.460	2.427	8.3	20.1
9 28	22 16.83	− 7 10.9	1.527	2.437	12.5	20.4
10 8	22 12.74	− 7 23.7	1.615	2.446	16.0	20.7

345066 2005 JR_{1} 8 31.5 162°.30 4°.2/26.7 17

7 30	23 4.21	−21 19.9	2.523	3.409	9.7	21.8
8 9	22 57.99	−22 14.0	2.469	3.415	7.2	21.7
8 19	22 50.29	−23 5.8	2.440	3.421	4.9	21.5
8 29	22 41.73	−23 50.1	2.440	3.427	4.3	21.5
9 8	22 33.04	−24 22.2	2.469	3.432	5.9	21.6
9 18	22 25.00	−24 39.4	2.525	3.436	8.3	21.8
9 28	22 18.29	−24 40.7	2.607	3.439	10.7	21.9
10 8	22 13.38	−24 26.7	2.710	3.442	12.8	22.1

103347 2000 AK_{86} 8 31.5 182°.54 2°.3/ 2.4 18

7 30	23 4.73	− 0 30.5	1.838	2.693	14.1	20.3
8 9	22 58.83	− 0 41.2	1.765	2.694	10.7	20.1
8 19	22 50.98	− 1 6.9	1.715	2.694	6.8	19.8
8 29	22 41.89	− 1 45.0	1.690	2.694	3.0	19.6
9 8	22 32.51	− 2 30.6	1.694	2.693	3.4	19.6
9 18	22 23.84	− 3 18.3	1.725	2.692	7.2	19.9
9 28	22 16.79	− 4 2.3	1.781	2.690	11.1	20.1
10 8	22 11.99	− 4 37.9	1.861	2.688	14.4	20.3

224295 2005 TG_{127} 8 31.5 266°.88 0°.2/31.3 18

7 30	23 3.31	− 6 56.1	1.685	2.568	13.8	21.2
8 9	22 58.09	− 7 26.4	1.604	2.553	10.1	20.9
8 19	22 50.71	− 8 8.5	1.546	2.538	5.8	20.6
8 29	22 41.86	− 8 57.7	1.513	2.522	1.1	20.3
9 8	22 32.56	− 9 47.8	1.507	2.507	3.8	20.4
9 18	22 23.89	−10 32.3	1.528	2.491	8.5	20.7
9 28	22 16.93	−11 5.9	1.573	2.475	12.7	20.9
10 8	22 12.41	−11 25.2	1.639	2.458	16.4	21.1

177239 2003 UK_{269} 8 31.5 240°.65 4°.9/27.9 18

7 30	23 7.03	−18 16.4	1.491	2.392	14.2	20.3
8 9	23 0.93	−19 8.4	1.430	2.387	10.4	20.0
8 19	22 52.35	−20 1.5	1.392	2.382	6.6	19.8
8 29	22 42.19	−20 46.9	1.379	2.377	5.0	19.7
9 8	22 31.72	−21 17.0	1.392	2.371	7.4	19.8
9 18	22 22.25	−21 26.9	1.429	2.366	11.4	20.0
9 28	22 14.94	−21 15.1	1.489	2.360	15.2	20.3
10 8	22 10.49	−20 43.1	1.568	2.354	18.5	20.5

237458 1999 VG_{131} 8 31.5 350°.57 5°.6/27.6 18

7 30	23 1.82	−19 3.6	1.271	2.188	15.1	19.4
8 9	22 57.42	−19 51.1	1.216	2.180	11.1	19.1
8 19	22 50.44	−20 38.6	1.182	2.174	7.2	18.9
8 29	22 41.81	−21 17.0	1.171	2.169	5.7	18.8
9 8	22 32.89	−21 38.0	1.184	2.165	8.2	18.9
9 18	22 25.06	−21 36.8	1.219	2.162	12.3	19.1
9 28	22 19.50	−21 12.2	1.275	2.160	16.3	19.4
10 8	22 16.90	−20 26.2	1.349	2.159	19.7	19.6

213815 2003 QB_{20} 8 31.5 337°.93 3°.4/28.8 18

7 30	22 54.89	− 9 56.1	0.984	1.910	17.4	18.6
8 9	22 52.94	−11 24.6	0.923	1.895	12.5	18.3
8 19	22 48.15	−13 12.4	0.881	1.880	7.1	17.9
8 29	22 41.39	−15 7.5	0.860	1.867	3.4	17.7
9 8	22 34.06	−16 54.6	0.861	1.855	7.4	17.9
9 18	22 27.71	−18 20.0	0.883	1.845	13.1	18.1
9 28	22 23.80	−19 14.5	0.924	1.836	18.4	18.4
10 8	22 23.19	−19 35.8	0.981	1.829	22.8	18.7

513879 2013 KU_{13} 8 31.5 134°.05 0°.2/31.3 18

7 30	22 58.52	− 6 3.6	2.645	3.513	9.9	22.0
8 9	22 53.84	− 6 52.4	2.581	3.523	7.1	21.8
8 19	22 47.92	− 7 49.2	2.542	3.532	4.0	21.6
8 29	22 41.27	− 8 50.3	2.531	3.540	0.8	21.4
9 8	22 34.50	− 9 51.1	2.550	3.549	2.5	21.6
9 18	22 28.20	−10 47.2	2.598	3.557	5.7	21.8
9 28	22 22.97	−11 35.0	2.673	3.564	8.5	22.0
10 8	22 19.21	−12 12.0	2.773	3.572	10.9	22.2

243182 2007 TK_{178} 8 31.5 4°.28 1°.4/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 1.83	− 3 27.9	1.683	2.558	14.2	19.7
8 9	22 56.85	− 3 37.2	1.616	2.558	10.6	19.5
8 19	22 49.90	− 3 59.9	1.571	2.558	6.4	19.2
8 29	22 41.69	− 4 32.6	1.552	2.559	2.2	18.9
9 8	22 33.23	− 5 10.1	1.558	2.559	3.3	19.0
9 18	22 25.51	− 5 47.0	1.591	2.560	7.6	19.3
9 28	22 19.49	− 6 18.0	1.649	2.561	11.6	19.5
10 8	22 15.77	− 6 39.2	1.729	2.563	15.0	19.8

146803 2001 YL_{50} 8 31.5 323°.11 0°.2/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.32	− 6 5.3	1.861	2.741	12.8	19.8
8 9	22 55.67	− 6 28.6	1.787	2.734	9.4	19.6
8 19	22 49.20	− 7 2.7	1.737	2.728	5.4	19.3
8 29	22 41.56	− 7 43.6	1.712	2.721	1.2	19.0
9 8	22 33.63	− 8 26.1	1.715	2.715	3.2	19.2
9 18	22 26.34	− 9 4.7	1.744	2.709	7.4	19.4
9 28	22 20.54	− 9 34.9	1.798	2.703	11.2	19.6
10 8	22 16.83	− 9 53.6	1.875	2.698	14.5	19.8

208022 1998 XG_{19} 8 31.5 46°.46 1°.8/29.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.64	−10 55.6	1.803	2.694	12.7	20.2
8 9	22 56.60	−11 39.3	1.742	2.696	9.1	20.0
8 19	22 49.70	−12 30.1	1.704	2.698	5.1	19.7
8 29	22 41.66	−13 22.3	1.693	2.700	1.8	19.5
9 8	22 33.41	−14 9.4	1.708	2.702	4.4	19.7
9 18	22 25.91	−14 46.3	1.750	2.705	8.3	20.0
9 28	22 20.02	−15 9.2	1.817	2.707	11.9	20.2
10 8	22 16.32	−15 16.8	1.905	2.709	15.0	20.4

102770 1999 VK_{140} 8 31.5 348°.07 2°.8/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.43	− 1 41.1	1.095	1.997	18.1	18.9
8 9	22 53.07	− 1 37.4	1.028	1.982	13.8	18.6
8 19	22 48.12	− 1 55.0	0.980	1.969	8.8	18.3
8 29	22 41.39	− 2 31.0	0.952	1.958	3.8	18.0
9 8	22 34.15	− 3 18.9	0.946	1.948	4.4	18.0
9 18	22 27.79	− 4 9.9	0.962	1.941	9.6	18.3
9 28	22 23.64	− 4 55.0	0.999	1.935	14.8	18.6
10 8	22 22.50	− 5 26.9	1.055	1.932	19.3	18.8

223171 2002 YU_{10} 8 31.5 174°.01 3°.8/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 4.30	+ 3 45.0	1.958	2.793	14.2	20.6
8 9	22 58.45	+ 3 45.3	1.884	2.796	11.1	20.4
8 19	22 50.75	+ 3 28.5	1.832	2.798	7.6	20.2
8 29	22 41.89	+ 2 56.1	1.805	2.799	4.5	20.0
9 8	22 32.75	+ 2 11.8	1.806	2.800	4.1	20.0
9 18	22 24.27	+ 1 20.9	1.835	2.801	7.0	20.2
9 28	22 17.30	+ 0 29.3	1.890	2.801	10.4	20.4
10 8	22 12.47	− 0 17.4	1.968	2.800	13.5	20.6

479497 2014 AB_{43} 8 31.5 213°.02 3°.7/ 3.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 5.83	+ 1 37.3	1.923	2.766	14.1	21.0
8 9	22 59.62	+ 2 2.0	1.845	2.763	11.0	20.8
8 19	22 51.46	+ 2 12.6	1.790	2.760	7.5	20.6
8 29	22 42.04	+ 2 9.7	1.760	2.756	4.3	20.4
9 8	22 32.29	+ 1 55.8	1.758	2.753	4.2	20.4
9 18	22 23.19	+ 1 34.7	1.784	2.749	7.2	20.6
9 28	22 15.65	+ 1 11.4	1.835	2.745	10.7	20.8
10 8	22 10.34	+ 0 50.5	1.910	2.741	13.9	21.0

506662 2006 SX_{225} 8 31.5 268°.91 3°.7/ 3.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.73	+ 2 27.2	1.542	2.399	16.2	21.1
8 9	22 57.85	+ 2 22.3	1.460	2.387	12.7	20.9
8 19	22 50.68	+ 1 56.5	1.399	2.374	8.5	20.6
8 29	22 41.91	+ 1 11.7	1.362	2.361	4.7	20.3
9 8	22 32.63	+ 0 12.8	1.350	2.348	4.4	20.3
9 18	22 24.01	− 0 53.1	1.364	2.335	8.3	20.5
9 28	22 17.19	− 1 57.6	1.402	2.322	12.7	20.7
10 8	22 12.97	− 2 53.6	1.462	2.308	16.6	20.9

221780 2007 MD_{11} 8 31.5 310°.02 0°.4/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 53.53	− 5 1.5	4.271	5.129	6.6	20.6
8 9	22 49.93	− 5 20.9	4.192	5.127	4.8	20.5
8 19	22 45.61	− 5 45.3	4.140	5.125	2.9	20.3
8 29	22 40.85	− 6 13.1	4.116	5.124	0.8	20.2
9 8	22 35.99	− 6 42.1	4.122	5.122	1.5	20.2
9 18	22 31.38	− 7 10.2	4.158	5.121	3.6	20.4
9 28	22 27.36	− 7 35.5	4.222	5.119	5.5	20.5
10 8	22 24.21	− 7 56.2	4.312	5.117	7.2	20.6

288226 2003 YL_{67} 8 31.5 287°.68 3°.2/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.70	−14 22.7	1.774	2.672	12.5	20.5
8 9	22 56.88	−15 19.3	1.699	2.656	9.0	20.3
8 19	22 50.01	−16 21.7	1.646	2.640	5.3	20.0
8 29	22 41.78	−17 23.0	1.620	2.624	3.3	19.9
9 8	22 33.16	−18 15.8	1.621	2.607	5.7	20.0
9 18	22 25.17	−18 54.1	1.648	2.591	9.6	20.2
9 28	22 18.81	−19 14.4	1.698	2.575	13.3	20.4
10 8	22 14.77	−19 15.7	1.769	2.559	16.5	20.6

185834 2000 BO_{12} 8 31.5 100°.34 0°.0/31.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 5.49	− 6 3.2	1.623	2.501	14.5	21.1
8 9	22 59.40	− 6 34.0	1.572	2.518	10.5	20.9
8 19	22 51.29	− 7 16.2	1.544	2.535	6.0	20.6
8 29	22 42.01	− 8 4.7	1.542	2.551	1.2	20.4
9 8	22 32.65	− 8 53.0	1.567	2.567	3.5	20.6
9 18	22 24.26	− 9 35.2	1.619	2.583	8.0	20.9
9 28	22 17.75	−10 6.6	1.696	2.598	11.9	21.1
10 8	22 13.67	−10 24.7	1.794	2.613	15.2	21.4

344717 2003 UT_{65} 8 31.5 284°.67 1°.3/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.06	− 7 59.4	1.837	2.724	12.7	20.5
8 9	22 55.72	− 9 6.7	1.747	2.699	9.2	20.3
8 19	22 49.41	−10 27.3	1.680	2.674	5.2	20.0
8 29	22 41.70	−11 55.2	1.640	2.649	1.4	19.7
9 8	22 33.49	−13 22.4	1.628	2.623	4.3	19.8
9 18	22 25.74	−14 41.1	1.643	2.598	8.7	20.0
9 28	22 19.46	−15 44.8	1.682	2.572	12.7	20.2
10 8	22 15.37	−16 29.7	1.743	2.546	16.2	20.4

326199 2012 CH_{15} 8 31.5 143°.76 0°.3/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.33	− 7 31.6	2.672	3.542	9.7	21.8
8 9	22 54.44	− 8 7.4	2.606	3.549	7.0	21.6
8 19	22 48.31	− 8 50.0	2.565	3.556	3.9	21.5
8 29	22 41.43	− 9 35.9	2.553	3.562	0.8	21.2
9 8	22 34.42	−10 21.0	2.570	3.568	2.6	21.4
9 18	22 27.90	−11 1.5	2.615	3.573	5.7	21.6
9 28	22 22.44	−11 34.3	2.688	3.579	8.5	21.8
10 8	22 18.47	−11 57.5	2.785	3.584	10.9	22.0

511216 2014 AY_{31} 8 31.5 167°.88 0°.8/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.97	− 6 46.8	2.195	3.069	11.4	22.1
8 9	22 55.89	− 7 56.4	2.128	3.073	8.2	21.9
8 19	22 49.25	− 9 16.2	2.085	3.077	4.6	21.7
8 29	22 41.63	−10 40.7	2.071	3.080	1.0	21.5
9 8	22 33.82	−12 3.4	2.086	3.083	3.4	21.7
9 18	22 26.57	−13 18.2	2.130	3.085	7.0	21.9
9 28	22 20.63	−14 20.3	2.200	3.086	10.3	22.1
10 8	22 16.52	−15 6.9	2.294	3.087	13.1	22.3

364587 2007 RJ_{119} 8 31.5 2°.87 3°.6/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.63	−14 17.3	0.808	1.742	19.3	19.2
8 9	22 57.37	−14 28.5	0.765	1.739	14.0	18.9
8 19	22 50.73	−14 45.5	0.738	1.738	8.1	18.6
8 29	22 41.98	−14 59.4	0.731	1.739	3.6	18.4
9 8	22 32.94	−15 1.2	0.744	1.742	7.2	18.6
9 18	22 25.46	−14 45.5	0.777	1.747	13.0	18.9
9 28	22 21.01	−14 10.3	0.828	1.754	18.3	19.3
10 8	22 20.26	−13 16.7	0.894	1.763	22.7	19.6

516273 2016 WO_{12} 8 31.5 318°.40 0°.6/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.24	− 5 8.8	1.485	2.374	15.0	21.4
8 9	22 56.17	− 5 26.9	1.403	2.353	11.1	21.1
8 19	22 49.79	− 5 59.7	1.342	2.333	6.6	20.8
8 29	22 41.81	− 6 43.0	1.304	2.313	1.7	20.4
9 8	22 33.29	− 7 30.6	1.292	2.294	3.7	20.5
9 18	22 25.40	− 8 15.6	1.305	2.275	8.8	20.8
9 28	22 19.32	− 8 51.5	1.342	2.257	13.5	21.0
10 8	22 15.84	− 9 13.5	1.398	2.240	17.5	21.2

312655 2010 KS_{50} 8 31.5 338°.31 5°.5/ 5.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.63	+ 8 30.6	1.759	2.588	15.8	19.7
8 9	22 53.90	+ 8 27.8	1.679	2.581	12.8	19.4
8 19	22 48.31	+ 8 1.6	1.620	2.574	9.5	19.2
8 29	22 41.49	+ 7 12.8	1.584	2.567	6.5	19.0
9 8	22 34.32	+ 6 5.2	1.573	2.561	5.6	19.0
9 18	22 27.74	+ 4 45.4	1.588	2.556	7.7	19.1
9 28	22 22.66	+ 3 21.7	1.628	2.551	11.0	19.3
10 8	22 19.71	+ 2 2.1	1.690	2.547	14.3	19.5

270976 2002 VV_{141} 8 31.5 344°.82 0°.5/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.21	− 5 18.2	1.033	1.945	18.1	20.3
8 9	22 54.52	− 5 39.3	0.970	1.932	13.4	19.9
8 19	22 49.05	− 6 19.8	0.925	1.921	7.9	19.6
8 29	22 41.67	− 7 13.9	0.902	1.911	1.8	19.2
9 8	22 33.77	− 8 12.4	0.900	1.902	4.5	19.4
9 18	22 26.86	− 9 5.5	0.920	1.895	10.5	19.7
9 28	22 22.32	− 9 44.4	0.960	1.890	16.0	20.0
10 8	22 20.99	−10 4.0	1.018	1.886	20.5	20.2

135922 2002 TV_{170} 8 31.5 329°.57 4°.7/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.16	+ 2 58.5	1.651	2.501	15.7	19.4
8 9	22 58.02	+ 3 33.7	1.573	2.492	12.4	19.2
8 19	22 50.74	+ 3 52.0	1.516	2.484	8.7	19.0
8 29	22 42.01	+ 3 53.3	1.483	2.476	5.5	18.8
9 8	22 32.84	+ 3 40.0	1.475	2.468	5.1	18.7
9 18	22 24.35	+ 3 16.3	1.493	2.461	8.1	18.9
9 28	22 17.57	+ 2 48.0	1.536	2.454	11.9	19.1
10 8	22 13.23	+ 2 21.1	1.600	2.448	15.3	19.3

129354 2747 *P–L* 8 31.5 246°.84 2°.7/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 4.78	−13 53.0	1.950	2.838	12.0	19.8
8 9	22 58.98	−14 36.7	1.871	2.824	8.7	19.6
8 19	22 51.20	−15 25.3	1.816	2.808	5.1	19.4
8 29	22 42.10	−16 12.9	1.788	2.792	2.7	19.2
9 8	22 32.62	−16 53.4	1.787	2.776	5.0	19.3
9 18	22 23.75	−17 21.9	1.814	2.759	8.8	19.5
9 28	22 16.43	−17 35.1	1.866	2.742	12.4	19.7
10 8	22 11.35	−17 32.2	1.939	2.724	15.5	19.9

148048 1998 ST_{87} 8 31.5 321°.15 3°.8/ 3.6 17

7 30	22 59.54	+ 2 47.4	1.347	2.217	17.4	19.5
8 9	22 55.76	+ 2 33.3	1.273	2.206	13.6	19.2
8 19	22 49.60	+ 1 54.9	1.218	2.195	9.2	18.9
8 29	22 41.81	+ 0 54.3	1.185	2.185	4.9	18.7
9 8	22 33.51	− 0 21.9	1.176	2.176	4.5	18.6
9 18	22 25.96	− 1 44.7	1.192	2.167	8.7	18.9
9 28	22 20.36	− 3 4.1	1.231	2.158	13.4	19.1
10 8	22 17.51	− 4 11.6	1.290	2.150	17.6	19.3

24306 1999 YE_5 8 31.5 294°.79 6°.0/26.0 18

7 30	23 2.60	−20 55.0	1.670	2.574	12.8	18.1
8 9	22 57.76	−22 11.3	1.599	2.555	9.6	17.9
8 19	22 50.65	−23 28.0	1.552	2.536	6.8	17.7
8 29	22 42.01	−24 36.1	1.530	2.518	6.1	17.6
9 8	22 32.93	−25 27.2	1.533	2.499	8.4	17.7
9 18	22 24.56	−25 55.4	1.561	2.480	11.9	17.9
9 28	22 18.01	−25 58.5	1.611	2.462	15.3	18.0
10 8	22 14.03	−25 37.7	1.680	2.444	18.3	18.2

518872 2010 DZ_{93} 8 31.5 183°.29 1°.0/ 1.6 17

7 30	23 1.80	− 2 44.9	2.039	2.902	12.6	22.3
8 9	22 56.62	− 3 18.5	1.967	2.903	9.3	22.1
8 19	22 49.75	− 4 5.0	1.918	2.903	5.6	21.9
8 29	22 41.81	− 5 0.8	1.895	2.903	1.8	21.6
9 8	22 33.62	− 6 0.5	1.901	2.902	2.8	21.7
9 18	22 26.04	− 6 58.3	1.935	2.901	6.7	22.0
9 28	22 19.86	− 7 49.1	1.995	2.899	10.3	22.2
10 8	22 15.64	− 8 28.9	2.078	2.897	13.4	22.4

58377 1995 SC_{26} 8 31.5 98°.78 0°.0/31.3 18

7 30	23 6.02	− 6 10.3	1.541	2.422	15.0	20.0
8 9	22 59.90	− 6 42.4	1.492	2.439	10.9	19.8
8 19	22 51.65	− 7 26.4	1.464	2.455	6.2	19.6
8 29	22 42.18	− 8 16.8	1.463	2.472	1.3	19.3
9 8	22 32.62	− 9 6.7	1.488	2.488	3.7	19.5
9 18	22 24.09	− 9 49.9	1.540	2.504	8.3	19.8
9 28	22 17.54	−10 21.5	1.616	2.519	12.4	20.1
10 8	22 13.52	−10 39.1	1.713	2.534	15.7	20.3

99742 2002 JY_{68} 8 31.5 142°.51 2°.2/29.6 18 R

7 30	23 3.15	− 9 38.8	1.457	2.353	14.8	19.6
8 9	22 58.10	−10 54.5	1.400	2.357	10.6	19.4
8 19	22 50.78	−12 21.7	1.366	2.361	5.9	19.1
8 29	22 42.03	−13 51.9	1.356	2.364	2.3	18.9
9 8	22 33.01	−15 14.9	1.374	2.367	5.3	19.1
9 18	22 24.90	−16 22.8	1.416	2.370	9.9	19.4
9 28	22 18.78	−17 10.1	1.482	2.372	14.1	19.6
10 8	22 15.30	−17 35.1	1.568	2.375	17.6	19.9

401217 2011 YD_{46} 8 31.5 133°.77 5°.5/24.7 18

7 30	23 0.80	−24 29.1	2.409	3.302	9.8	20.8
8 9	22 55.73	−25 47.1	2.362	3.308	7.5	20.7
8 19	22 49.16	−27 1.1	2.341	3.313	5.8	20.6
8 29	22 41.68	−28 4.7	2.346	3.318	5.7	20.6
9 8	22 34.06	−28 52.7	2.380	3.323	7.2	20.7
9 18	22 27.05	−29 22.0	2.439	3.328	9.4	20.9
9 28	22 21.37	−29 31.6	2.521	3.333	11.6	21.0
10 8	22 17.49	−29 22.6	2.624	3.337	13.6	21.2

372349 2009 FF_{46} 8 31.5 68°.16 2°.8/29.6 17

7 30	23 7.09	−11 58.7	1.236	2.138	16.4	20.7
8 9	23 0.92	−12 51.5	1.202	2.161	11.7	20.5
8 19	22 52.29	−13 51.2	1.189	2.184	6.6	20.3
8 29	22 42.31	−14 48.8	1.201	2.208	2.8	20.1
9 8	22 32.40	−15 35.6	1.237	2.231	5.8	20.4
9 18	22 23.88	−16 5.9	1.298	2.254	10.5	20.7
9 28	22 17.78	−16 16.8	1.382	2.277	14.6	21.0
10 8	22 14.63	−16 8.8	1.484	2.299	18.0	21.3

40562 1999 RB_{121} 8 31.5 72°.41 5°.0/ 4.6 18

7 30	23 2.85	+ 5 33.1	1.372	2.224	18.2	18.7
8 9	22 57.94	+ 5 26.8	1.314	2.234	14.3	18.4
8 19	22 50.71	+ 4 54.9	1.276	2.244	10.0	18.2
8 29	22 42.03	+ 3 59.6	1.260	2.254	6.1	18.0
9 8	22 33.11	+ 2 47.3	1.269	2.264	5.3	18.0
9 18	22 25.16	+ 1 26.8	1.303	2.274	8.5	18.2
9 28	22 19.26	+ 0 7.8	1.360	2.284	12.6	18.5
10 8	22 16.06	− 1 1.5	1.439	2.295	16.3	18.8

385253 2001 FM_{128} 8 31.5 199°.03 9°.2/18.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 10.87	−42 46.9	2.799	3.633	10.4	21.5
8 9	23 3.11	−44 5.9	2.760	3.628	9.5	21.4
8 19	22 53.43	−45 9.9	2.744	3.622	9.2	21.4
8 29	22 42.58	−45 52.5	2.754	3.616	9.6	21.4
9 8	22 31.54	−46 9.8	2.788	3.608	10.6	21.5
9 18	22 21.31	−46 0.9	2.845	3.600	11.9	21.6
9 28	22 12.80	−45 27.6	2.922	3.591	13.2	21.7
10 8	22 6.57	−44 33.8	3.015	3.581	14.4	21.8

280106 2002 GQ_{59} 8 31.5 63°.08 6°.3/ 5.7 17

7 30	23 5.06	+ 8 11.7	1.242	2.087	20.2	20.7
8 9	22 59.47	+ 8 12.5	1.203	2.114	16.0	20.5
8 19	22 51.49	+ 7 43.6	1.181	2.141	11.5	20.3
8 29	22 42.17	+ 6 47.5	1.181	2.169	7.6	20.2
9 8	22 32.84	+ 5 31.3	1.205	2.196	6.4	20.2
9 18	22 24.78	+ 4 5.0	1.254	2.223	9.0	20.4
9 28	22 19.01	+ 2 39.5	1.326	2.251	12.8	20.7
10 8	22 16.09	+ 1 23.6	1.419	2.278	16.3	21.0

452077 2014 OR_{380} 8 31.5 0°.03 1°.5/ 2.2 18

7 30	22 57.28	− 0 46.9	2.032	2.896	12.6	20.6
8 9	22 53.37	− 1 28.4	1.960	2.895	9.4	20.4
8 19	22 47.90	− 2 25.0	1.911	2.895	5.8	20.2
8 29	22 41.45	− 3 32.7	1.889	2.894	2.2	19.9
9 8	22 34.78	− 4 45.9	1.893	2.895	2.8	20.0
9 18	22 28.66	− 5 58.3	1.926	2.895	6.4	20.2
9 28	22 23.83	− 7 4.1	1.984	2.896	10.0	20.4
10 8	22 20.83	− 7 58.5	2.066	2.897	13.0	20.6

18300 1979 *PA* 8 31.5 27°.26 10°.1/10.0 17

7 30	22 57.24	+15 49.5	1.125	1.951	23.0	17.1
8 9	22 54.15	+16 12.8	1.082	1.969	19.4	16.9
8 19	22 48.62	+15 56.4	1.055	1.988	15.5	16.8
8 29	22 41.61	+14 59.7	1.046	2.009	12.0	16.6
9 8	22 34.45	+13 28.6	1.058	2.031	10.1	16.6
9 18	22 28.42	+11 34.4	1.091	2.055	10.9	16.7
9 28	22 24.62	+ 9 31.4	1.147	2.079	13.6	17.0
10 8	22 23.62	+ 7 33.6	1.223	2.105	16.8	17.2

153259 2001 BY_{66} 8 31.5 110°.80 2°.0/28.9 18

7 30	22 59.51	−12 34.2	2.513	3.397	9.8	20.4
8 9	22 54.65	−13 36.2	2.460	3.412	6.9	20.2
8 19	22 48.49	−14 42.2	2.433	3.425	3.9	20.1
8 29	22 41.57	−15 47.1	2.434	3.439	2.0	20.0
9 8	22 34.54	−16 46.0	2.465	3.452	3.9	20.1
9 18	22 28.07	−17 34.6	2.524	3.465	6.8	20.3
9 28	22 22.75	−18 10.4	2.609	3.478	9.5	20.5
10 8	22 19.03	−18 32.1	2.717	3.491	11.8	20.7

20553 Donaldhowk 8 31.5 112°.43 1°.1/ 1.4 18

7 30	23 5.98	− 3 42.4	1.510	2.385	15.6	18.4
8 9	23 0.00	− 4 2.3	1.454	2.396	11.5	18.2
8 19	22 51.81	− 4 36.9	1.419	2.407	6.9	18.0
8 29	22 42.28	− 5 21.6	1.410	2.417	2.1	17.7
9 8	22 32.57	− 6 10.0	1.427	2.428	3.5	17.8
9 18	22 23.83	− 6 55.4	1.470	2.437	8.2	18.1
9 28	22 17.09	− 7 32.2	1.537	2.447	12.4	18.4
10 8	22 12.96	− 7 56.6	1.626	2.456	16.0	18.7

224910 2007 DW_5 8 31.5 211°.94 2°.2/29.5 17

7 30	23 4.37	−11 55.2	1.935	2.820	12.2	21.8
8 9	22 58.64	−12 47.2	1.863	2.814	8.8	21.6
8 19	22 51.00	−13 45.8	1.815	2.808	5.0	21.4
8 29	22 42.13	−14 45.1	1.794	2.801	2.2	21.2
9 8	22 32.94	−15 38.5	1.802	2.793	4.6	21.3
9 18	22 24.41	−16 20.7	1.837	2.784	8.5	21.5
9 28	22 17.44	−16 47.8	1.897	2.776	12.0	21.7
10 8	22 12.66	−16 58.6	1.978	2.766	15.1	21.9

443112 2013 YV_{84} 8 31.5 10°.96 18°.1/ 5.9 15

7 30	23 17.36	+14 26.1	0.879	1.708	27.6	20.5
8 9	23 10.18	+18 3.4	0.827	1.708	24.4	20.3
8 19	22 58.65	+21 11.3	0.792	1.709	21.1	20.1
8 29	22 43.84	+23 32.7	0.774	1.711	18.8	20.0
9 8	22 27.86	+24 56.3	0.774	1.713	18.2	20.0
9 18	22 13.26	+25 21.5	0.793	1.717	19.5	20.1
9 28	22 2.34	+24 59.6	0.828	1.721	22.0	20.2
10 8	21 56.36	+24 8.8	0.878	1.725	24.9	20.5

351059 2003 SK_{299} 8 31.5 318°.66 6°.6/ 4.3 17

7 30	23 2.94	+ 4 48.4	1.444	2.296	17.5	20.3
8 9	22 58.46	+ 5 45.6	1.347	2.264	14.2	20.0
8 19	22 51.37	+ 6 25.0	1.270	2.233	10.6	19.7
8 29	22 42.29	+ 6 44.0	1.214	2.202	7.4	19.5
9 8	22 32.29	+ 6 42.7	1.183	2.172	6.9	19.4
9 18	22 22.71	+ 6 24.2	1.175	2.142	9.9	19.4
9 28	22 14.96	+ 5 54.9	1.191	2.113	14.2	19.6
10 8	22 10.07	+ 5 22.7	1.226	2.086	18.3	19.8

289953 2005 NG_{63} 8 31.6 2.°53 6.°8/ 5.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 1.22	+ 7 56.3	1.585	2.418	17.0	19.4
8 9	22 56.66	+ 8 43.0	1.516	2.417	13.9	19.2
8 19	22 50.00	+ 9 8.0	1.466	2.417	10.6	19.0
8 29	22 41.95	+ 9 10.1	1.440	2.418	7.7	18.9
9 8	22 33.54	+ 8 51.3	1.437	2.419	6.9	18.8
9 18	22 25.86	+ 8 16.2	1.459	2.422	8.8	18.9
9 28	22 19.94	+ 7 31.8	1.505	2.425	11.9	19.1
10 8	22 16.45	+ 6 45.7	1.572	2.429	15.1	19.3

353849 2012 VZ_{42} 8 31.6 252.°34 5.°7/26.0 18

7 30	23 3.64	−22 6.2	1.921	2.818	11.7	20.9
8 9	22 58.20	−23 14.9	1.858	2.810	8.8	20.7
8 19	22 50.78	−24 21.7	1.820	2.801	6.3	20.5
8 29	22 42.10	−25 18.9	1.809	2.793	5.8	20.5
9 8	22 33.14	−25 59.8	1.824	2.784	7.7	20.6
9 18	22 24.91	−26 20.1	1.864	2.775	10.7	20.7
9 28	22 18.34	−26 18.6	1.927	2.766	13.6	20.9
10 8	22 14.05	−25 56.6	2.010	2.757	16.2	21.1

424576 2008 GY_{22} 8 31.6 52.°48 2.°6/29.6 17

7 30	23 3.45	−11 18.5	1.290	2.195	15.7	20.9
8 9	22 58.39	−12 16.2	1.248	2.208	11.2	20.7
8 19	22 50.95	−13 22.5	1.227	2.223	6.3	20.5
8 29	22 42.12	−14 28.4	1.230	2.237	2.6	20.3
9 8	22 33.20	−15 25.1	1.259	2.252	5.7	20.5
9 18	22 25.45	−16 5.6	1.311	2.268	10.3	20.8
9 28	22 19.90	−16 26.5	1.386	2.283	14.4	21.1
10 8	22 17.14	−16 27.1	1.480	2.299	17.9	21.4

266107 2006 ST_{207} 8 31.6 333.°30 1.°5/ 1.5 18

7 30	22 58.82	− 3 55.9	1.069	1.974	18.2	20.1
8 9	22 55.78	− 4 1.7	0.998	1.956	13.7	19.7
8 19	22 49.89	− 4 27.2	0.946	1.939	8.4	19.4
8 29	22 41.98	− 5 8.6	0.915	1.923	2.7	19.0
9 8	22 33.40	− 5 58.2	0.905	1.908	4.4	19.1
9 18	22 25.70	− 6 46.9	0.918	1.894	10.3	19.4
9 28	22 20.35	− 7 25.9	0.951	1.882	15.9	19.6
10 8	22 18.29	− 7 48.8	1.001	1.872	20.7	19.9

403392 2009 QE_{55} 8 31.6 25.°91 0.°6/31.1 18

7 30	23 1.07	− 8 43.2	1.737	2.627	13.2	20.4
8 9	22 56.23	− 9 2.1	1.684	2.636	9.5	20.2
8 19	22 49.57	− 9 29.1	1.653	2.646	5.3	19.9
8 29	22 41.84	− 9 59.7	1.647	2.657	1.1	19.7
9 8	22 33.99	−10 28.7	1.669	2.668	3.5	19.9
9 18	22 26.95	−10 51.4	1.717	2.680	7.7	20.2
9 28	22 21.55	−11 4.4	1.789	2.692	11.3	20.4
10 8	22 18.32	−11 5.7	1.883	2.705	14.4	20.6

406985 2009 RG_{11} 8 31.6 344.°96 2.°2/ 3.0 18

7 30	22 57.43	+ 1 15.8	2.067	2.922	12.8	20.9
8 9	22 53.50	+ 0 44.1	1.991	2.918	9.8	20.7
8 19	22 48.01	− 0 3.6	1.938	2.915	6.3	20.4
8 29	22 41.54	− 1 4.3	1.910	2.913	3.0	20.2
9 8	22 34.81	− 2 13.0	1.910	2.910	3.0	20.2
9 18	22 28.62	− 3 23.7	1.938	2.908	6.3	20.4
9 28	22 23.69	− 4 30.2	1.991	2.906	9.7	20.6
10 8	22 20.58	− 5 27.6	2.068	2.905	12.8	20.8

25994 Lynnelleye 8 31.6 81.°34 4.°2/ 3.9 18

7 30	23 4.22	+ 3 16.5	1.470	2.325	17.0	18.7
8 9	22 58.84	+ 3 20.0	1.411	2.334	13.2	18.5
8 19	22 51.22	+ 3 2.2	1.371	2.343	9.0	18.2
8 29	22 42.21	+ 2 25.1	1.355	2.352	5.2	18.0
9 8	22 32.95	+ 1 34.0	1.365	2.361	4.7	18.0
9 18	22 24.61	+ 0 36.0	1.400	2.370	8.2	18.3
9 28	22 18.25	− 0 21.0	1.459	2.379	12.2	18.5
10 8	22 14.49	− 1 10.3	1.539	2.388	15.8	18.8

442044 2010 RA_{11} 8 31.6 284.°13 0.°5/ 1.0 17

7 30	23 1.47	− 5 35.8	2.112	2.983	11.9	22.1
8 9	22 56.47	− 5 50.7	2.026	2.968	8.8	21.9
8 19	22 49.76	− 6 15.3	1.964	2.952	5.2	21.6
8 29	22 41.91	− 6 46.7	1.928	2.937	1.3	21.3
9 8	22 33.72	− 7 20.4	1.921	2.921	2.9	21.4
9 18	22 26.02	− 7 52.1	1.941	2.906	6.8	21.7
9 28	22 19.64	− 8 17.5	1.987	2.890	10.4	21.9
10 8	22 15.19	− 8 33.8	2.056	2.875	13.5	22.0

323556 2004 TD_{36} 8 31.6 261.°54 3.°0/28.5 18

7 30	23 2.42	−16 41.2	2.340	3.228	10.3	21.0
8 9	22 56.97	−17 15.0	2.267	3.219	7.4	20.9
8 19	22 49.95	−17 50.0	2.220	3.210	4.5	20.7
8 29	22 41.94	−18 21.5	2.201	3.201	3.0	20.5
9 8	22 33.71	−18 45.1	2.210	3.192	4.8	20.7
9 18	22 26.04	−18 57.3	2.246	3.183	7.8	20.8
9 28	22 19.67	−18 56.5	2.308	3.174	10.7	21.0
10 8	22 15.13	−18 42.2	2.392	3.165	13.2	21.2

487785 2015 RO_{229} 8 31.6 309.°24 1.°3/30.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 59.83	− 9 53.7	1.942	2.831	12.0	22.1
8 9	22 55.43	−10 30.9	1.860	2.813	8.7	21.9
8 19	22 49.23	−11 16.4	1.802	2.795	4.9	21.6
8 29	22 41.81	−12 5.4	1.769	2.778	1.4	21.3
9 8	22 34.03	−12 52.0	1.764	2.760	3.9	21.5
9 18	22 26.78	−13 30.9	1.786	2.743	7.9	21.7
9 28	22 20.94	−13 57.9	1.833	2.727	11.6	21.9
10 8	22 17.14	−14 10.5	1.901	2.710	14.8	22.1

362270 2009 PH_{19} 8 31.6 33.°16 1.°7/ 2.5 18

7 30	22 57.73	− 0 1.8	2.080	2.939	12.6	20.6
8 9	22 53.66	− 0 41.6	2.012	2.944	9.4	20.4
8 19	22 48.07	− 1 36.2	1.967	2.948	5.9	20.2
8 29	22 41.55	− 2 42.2	1.949	2.953	2.5	20.0
9 8	22 34.84	− 3 53.9	1.958	2.959	2.8	20.0
9 18	22 28.70	− 5 5.4	1.995	2.964	6.2	20.2
9 28	22 23.84	− 6 10.8	2.058	2.970	9.6	20.5
10 8	22 20.77	− 7 5.6	2.145	2.975	12.6	20.7

267709 2003 AB_{57} 8 31.6 231.°80 3.°2/28.7 18

7 30	23 4.16	−14 7.3	1.808	2.700	12.6	20.9
8 9	22 58.65	−15 7.8	1.737	2.691	9.1	20.7
8 19	22 51.10	−16 13.9	1.690	2.682	5.3	20.4
8 29	22 42.21	−17 18.5	1.669	2.672	3.2	20.3
9 8	22 32.95	−18 14.3	1.676	2.662	5.6	20.4
9 18	22 24.39	−18 55.6	1.709	2.651	9.4	20.6
9 28	22 17.50	−19 18.7	1.767	2.640	13.1	20.8
10 8	22 12.94	−19 23.0	1.845	2.629	16.2	21.0

98330 2000 SE_{286} 8 31.6 211.°02 0.°9/30.8 18

7 30	23 4.37	− 7 24.0	1.590	2.475	14.4	20.0
8 9	22 58.97	− 8 15.1	1.520	2.471	10.4	19.7
8 19	22 51.34	− 9 18.9	1.474	2.466	5.9	19.5
8 29	22 42.26	−10 29.1	1.452	2.461	1.3	19.1
9 8	22 32.81	−11 37.8	1.458	2.456	4.2	19.3
9 18	22 24.15	−12 37.4	1.490	2.450	8.9	19.6
9 28	22 17.32	−13 22.2	1.547	2.444	13.2	19.9
10 8	22 13.03	−13 49.4	1.624	2.438	16.8	20.1

137947 2000 CD_{1} 8 31.6 206.°63 0.°3/31.3 18

7 30	23 3.78	− 6 16.5	1.886	2.761	13.0	20.9
8 9	22 58.26	− 7 1.3	1.811	2.756	9.4	20.7
8 19	22 50.82	− 7 57.7	1.760	2.751	5.4	20.5
8 29	22 42.15	− 9 0.8	1.736	2.745	1.1	20.2
9 8	22 33.15	−10 4.1	1.740	2.739	3.4	20.3
9 18	22 24.79	−11 1.3	1.771	2.732	7.7	20.6
9 28	22 17.98	−11 47.4	1.828	2.724	11.5	20.8
10 8	22 13.35	−12 19.1	1.907	2.716	14.8	21.0

184450 2005 NV_{57} 8 31.6 4.°18 1.°6/30.4 15

7 30	22 57.41	− 8 31.2	1.015	1.934	17.7	19.1
8 9	22 54.60	− 9 20.1	0.966	1.933	12.7	18.8
8 19	22 49.07	−10 24.6	0.935	1.933	7.1	18.5
8 29	22 41.80	−11 35.7	0.926	1.935	1.9	18.2
9 8	22 34.22	−12 42.1	0.939	1.938	5.5	18.4
9 18	22 27.79	−13 34.2	0.974	1.943	11.1	18.8
9 28	22 23.75	−14 5.2	1.029	1.949	16.1	19.1
10 8	22 22.79	−14 12.9	1.101	1.957	20.3	19.4

251350 2007 TE_{46} 8 31.6 351.°37 5.°4/28.9 18

7 30	23 5.40	−18 2.3	0.977	1.900	17.9	19.3
8 9	23 0.68	−18 25.8	0.925	1.893	13.1	19.0
8 19	22 52.67	−18 49.4	0.892	1.887	8.2	18.7
8 29	22 42.56	−19 3.4	0.880	1.882	5.4	18.5
9 8	22 32.08	−18 59.4	0.890	1.879	8.4	18.7
9 18	22 23.04	−18 33.0	0.920	1.877	13.4	19.0
9 28	22 16.92	−17 44.2	0.971	1.877	18.2	19.2
10 8	22 14.45	−16 36.1	1.037	1.878	22.3	19.5

505795 2015 BP_{305} 8 31.6 195.°13 1.°8/30.1 17

7 30	23 5.71	−11 3.0	1.848	2.732	12.8	22.3
8 9	22 59.66	−11 43.8	1.779	2.730	9.2	22.0
8 19	22 51.61	−12 31.5	1.735	2.728	5.2	21.8
8 29	22 42.31	−13 20.5	1.717	2.725	1.8	21.6
9 8	22 32.73	−14 4.6	1.727	2.721	4.4	21.7
9 18	22 23.88	−14 38.6	1.765	2.717	8.4	22.0
9 28	22 16.71	−14 58.9	1.827	2.712	12.1	22.2
10 8	22 11.83	−15 4.2	1.911	2.707	15.3	22.4

75809 2000 AC_{243} 8 31.6 183.°67 2.°4/ 3.4 18

7 30	23 0.90	+ 2 19.9	2.515	3.348	11.5	20.2
8 9	22 55.76	+ 1 53.6	2.434	3.349	8.8	20.1
8 19	22 49.22	+ 1 13.5	2.378	3.349	5.8	19.9
8 29	22 41.81	+ 0 22.0	2.349	3.348	3.0	19.7
9 8	22 34.18	− 0 37.1	2.349	3.347	2.9	19.7
9 18	22 27.02	− 1 39.1	2.378	3.345	5.6	19.9
9 28	22 20.98	− 2 39.1	2.435	3.342	8.6	20.0
10 8	22 16.54	− 3 32.7	2.517	3.339	11.2	20.2

235783 2004 WT_7 8 31.6 196°.72 2°.8/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 3.78	−14 29.3	2.048	2.937	11.5	21.3
8 9	22 58.11	−15 21.0	1.982	2.934	8.2	21.1
8 19	22 50.67	−16 16.6	1.940	2.932	4.9	20.9
8 29	22 42.11	−17 10.0	1.926	2.929	2.8	20.8
9 8	22 33.32	−17 55.3	1.940	2.926	5.0	20.9
9 18	22 25.18	−18 28.0	1.981	2.922	8.4	21.1
9 28	22 18.55	−18 45.2	2.048	2.918	11.7	21.3
10 8	22 13.98	−18 46.5	2.135	2.913	14.4	21.5

479640 2014 DH_{47} 8 31.6 282°.56 0°.9/30.9 18

7 30	23 5.60	−10 15.7	1.790	2.673	13.1	21.2
8 9	22 59.65	−10 24.1	1.718	2.667	9.5	20.9
8 19	22 51.65	−10 38.8	1.669	2.661	5.4	20.7
8 29	22 42.35	−10 55.8	1.646	2.655	1.3	20.4
9 8	22 32.74	−11 10.2	1.651	2.649	3.8	20.6
9 18	22 23.88	−11 18.1	1.683	2.643	8.1	20.8
9 28	22 16.73	−11 16.5	1.740	2.637	12.0	21.0
10 8	22 11.93	−11 3.8	1.818	2.631	15.3	21.2

291680 2006 HK_{91} 8 31.6 190°.67 0°.8/ 1.3 17

7 30	23 3.49	− 2 45.7	1.508	2.384	15.5	21.1
8 9	22 58.39	− 3 35.3	1.440	2.384	11.5	20.9
8 19	22 51.05	− 4 43.0	1.394	2.383	6.8	20.6
8 29	22 42.23	− 6 3.1	1.374	2.382	1.9	20.3
9 8	22 33.07	− 7 27.4	1.379	2.380	3.6	20.4
9 18	22 24.71	− 8 47.0	1.411	2.378	8.5	20.7
9 28	22 18.25	− 9 54.2	1.467	2.376	13.0	21.0
10 8	22 14.37	−10 44.1	1.544	2.373	16.8	21.2

199640 2006 GC_{12} 8 31.6 239°.59 10°.5/22.4 18

7 30	23 13.75	−37 51.8	1.913	2.776	13.3	20.3
8 9	23 5.67	−38 52.6	1.864	2.769	11.6	20.2
8 19	22 55.10	−39 36.5	1.838	2.761	10.6	20.1
8 29	22 43.04	−39 54.9	1.836	2.754	10.8	20.1
9 8	22 30.87	−39 42.6	1.858	2.746	12.1	20.2
9 18	22 19.94	−38 59.0	1.904	2.737	14.1	20.3
9 28	22 11.36	−37 47.5	1.969	2.729	16.2	20.4
10 8	22 5.72	−36 14.0	2.053	2.720	18.1	20.6

219913 2002 GE_1 8 31.6 133°.74 2°.6/ 3.8 18

7 30	22 58.54	+ 3 12.8	2.401	3.238	11.9	20.7
8 9	22 54.09	+ 2 40.9	2.328	3.243	9.1	20.5
8 19	22 48.29	+ 1 53.9	2.278	3.247	6.1	20.3
8 29	22 41.64	+ 0 54.6	2.254	3.252	3.3	20.1
9 8	22 34.82	− 0 12.9	2.259	3.257	3.0	20.1
9 18	22 28.49	− 1 23.3	2.293	3.261	5.6	20.3
9 28	22 23.29	− 2 31.3	2.354	3.265	8.6	20.5
10 8	22 19.69	− 3 32.1	2.439	3.269	11.3	20.7

258612 2002 CR_{302} 8 31.6 244°.67 4°.1/ 4.9 18

7 30	23 0.72	+ 5 54.4	2.312	3.133	12.7	20.7
8 9	22 55.80	+ 6 0.3	2.227	3.126	10.2	20.5
8 19	22 49.34	+ 5 50.5	2.164	3.120	7.3	20.3
8 29	22 41.88	+ 5 25.6	2.127	3.113	4.8	20.1
9 8	22 34.13	+ 4 48.2	2.117	3.106	4.3	20.1
9 18	22 26.84	+ 4 2.5	2.135	3.099	6.3	20.2
9 28	22 20.74	+ 3 13.4	2.180	3.092	9.2	20.4
10 8	22 16.39	+ 2 26.1	2.248	3.084	11.9	20.5

88892 2001 SP_{305} 8 31.6 9°.09 0°.2/31.4 18

7 30	23 1.32	− 7 7.3	1.787	2.671	13.1	19.7
8 9	22 56.49	− 7 33.2	1.722	2.671	9.5	19.4
8 19	22 49.81	− 8 9.3	1.680	2.672	5.5	19.2
8 29	22 41.98	− 8 51.0	1.664	2.673	1.1	18.9
9 8	22 33.91	− 9 32.5	1.675	2.675	3.4	19.1
9 18	22 26.56	−10 8.8	1.712	2.676	7.6	19.4
9 28	22 20.79	−10 35.3	1.774	2.678	11.4	19.6
10 8	22 17.19	−10 49.5	1.858	2.680	14.6	19.8

250851 2005 UR_{219} 8 31.6 309°.77 3°.0/28.8 18

7 30	23 3.11	−16 4.5	2.087	2.978	11.2	20.5
8 9	22 57.59	−16 36.9	2.023	2.976	8.1	20.3
8 19	22 50.36	−17 10.9	1.983	2.974	4.8	20.1
8 29	22 42.08	−17 41.4	1.970	2.972	3.0	19.9
9 8	22 33.62	−18 3.6	1.985	2.971	5.0	20.1
9 18	22 25.83	−18 13.9	2.027	2.969	8.2	20.3
9 28	22 19.52	−18 10.6	2.094	2.967	11.3	20.5
10 8	22 15.21	−17 53.4	2.183	2.965	14.0	20.7

346960 2010 BJ_{78} 8 31.6 181°.17 9°.8/10.5 18

7 30	23 5.30	+21 8.9	2.202	2.921	16.3	20.7
8 9	22 59.33	+22 10.5	2.121	2.921	14.4	20.6
8 19	22 51.48	+22 48.7	2.059	2.922	12.4	20.4
8 29	22 42.35	+23 0.2	2.019	2.922	10.7	20.3
9 8	22 32.80	+22 44.6	2.003	2.921	9.8	20.3
9 18	22 23.77	+22 4.3	2.011	2.921	10.1	20.3
9 28	22 16.17	+21 5.1	2.044	2.920	11.5	20.4
10 8	22 10.66	+19 54.8	2.100	2.918	13.3	20.5

429103 2009 SN_{57} 8 31.6 83°.87 0°.8/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 6.20	− 5 22.6	1.522	2.401	15.3	20.7
8 9	23 0.19	− 5 29.9	1.466	2.411	11.2	20.4
8 19	22 51.98	− 5 49.6	1.431	2.420	6.6	20.2
8 29	22 42.43	− 6 17.4	1.421	2.430	1.8	19.9
9 8	22 32.71	− 6 47.7	1.438	2.439	3.5	20.1
9 18	22 23.96	− 7 15.2	1.481	2.448	8.2	20.4
9 28	22 17.20	− 7 34.9	1.548	2.458	12.4	20.6
10 8	22 13.04	− 7 44.0	1.637	2.467	15.9	20.9

353343 2010 VD_5 8 31.6 223°.17 0°.5/30.5 16

7 30	22 53.12	− 9 51.6	4.714	5.586	5.8	21.2
8 9	22 49.69	−10 22.1	4.637	5.582	4.1	21.0
8 19	22 45.59	−10 55.7	4.587	5.579	2.3	20.9
8 29	22 41.09	−11 30.3	4.566	5.575	0.6	20.7
9 8	22 36.50	−12 4.0	4.576	5.571	1.8	20.9
9 18	22 32.13	−12 34.7	4.615	5.567	3.6	21.0
9 28	22 28.28	−13 0.7	4.682	5.563	5.4	21.1
10 8	22 25.22	−13 20.8	4.775	5.559	6.9	21.2

448712 2011 AU_{10} 8 31.6 240°.60 2°.7/28.2 18

7 30	22 58.91	−14 49.5	2.471	3.361	9.7	21.2
8 9	22 54.40	−15 50.6	2.403	3.357	6.9	21.0
8 19	22 48.49	−16 55.1	2.361	3.352	4.1	20.9
8 29	22 41.71	−17 57.7	2.347	3.348	2.7	20.8
9 8	22 34.73	−18 53.3	2.361	3.343	4.6	20.9
9 18	22 28.22	−19 37.6	2.403	3.339	7.4	21.1
9 28	22 22.86	−20 7.8	2.471	3.334	10.2	21.2
10 8	22 19.13	−20 22.9	2.561	3.330	12.5	21.4

304242 2006 RE_{28} 8 31.6 276°.78 0°.0/31.7 18

7 30	23 0.31	− 5 36.2	1.988	2.864	12.3	21.0
8 9	22 55.71	− 6 13.0	1.911	2.856	9.0	20.8
8 19	22 49.37	− 7 1.2	1.857	2.847	5.2	20.5
8 29	22 41.91	− 7 56.5	1.830	2.838	1.1	20.2
9 8	22 34.14	− 8 53.4	1.830	2.830	3.1	20.4
9 18	22 26.93	− 9 46.1	1.857	2.821	7.1	20.6
9 28	22 21.10	−10 29.7	1.911	2.812	10.8	20.8
10 8	22 17.25	−11 0.8	1.986	2.804	14.0	21.0

9636 1993 YO 8 31.6 142°.26 5°.7/24.3 18

7 30	23 0.69	−25 15.3	2.399	3.292	9.9	18.6
8 9	22 55.75	−26 35.1	2.351	3.295	7.6	18.5
8 19	22 49.27	−27 50.5	2.328	3.298	6.0	18.4
8 29	22 41.87	−28 55.0	2.332	3.300	5.9	18.4
9 8	22 34.30	−29 43.3	2.363	3.303	7.5	18.5
9 18	22 27.34	−30 12.3	2.420	3.305	9.7	18.6
9 28	22 21.69	−30 21.0	2.501	3.308	11.9	18.8
10 8	22 17.87	−30 10.7	2.600	3.310	13.8	19.0

31341 1998 KH_{55} 8 31.6 46°.43 3°.7/27.2 18

7 30	22 58.64	−14 56.2	1.970	2.869	11.4	17.4
8 9	22 54.46	−16 32.9	1.917	2.875	8.1	17.2
8 19	22 48.62	−18 14.0	1.889	2.880	5.0	17.0
8 29	22 41.75	−19 51.4	1.888	2.886	3.8	16.9
9 8	22 34.68	−21 17.5	1.915	2.892	6.0	17.1
9 18	22 28.26	−22 26.1	1.969	2.898	9.2	17.3
9 28	22 23.26	−23 14.0	2.047	2.905	12.2	17.5
10 8	22 20.21	−23 40.5	2.145	2.911	14.8	17.7

285832 2001 DS_{77} 8 31.6 124°.06 1°.8/ 2.2 18

7 30	23 3.82	− 2 36.4	2.348	3.201	11.6	20.3
8 9	22 57.90	− 2 25.3	2.276	3.204	8.7	20.1
8 19	22 50.48	− 2 23.7	2.228	3.208	5.4	19.9
8 29	22 42.13	− 2 29.8	2.208	3.212	2.3	19.7
9 8	22 33.60	− 2 40.9	2.216	3.215	2.7	19.8
9 18	22 25.64	− 2 53.8	2.253	3.219	5.9	20.0
9 28	22 18.95	− 3 5.4	2.317	3.222	9.0	20.2
10 8	22 14.04	− 3 12.8	2.405	3.225	11.8	20.4

173562 2001 AE_4 8 31.6 280°.23 0°.0/31.4 18

7 30	23 2.13	− 4 47.2	1.442	2.329	15.5	20.1
8 9	22 57.71	− 5 36.1	1.360	2.310	11.5	19.8
8 19	22 50.85	− 6 43.3	1.300	2.292	6.7	19.5
8 29	22 42.27	− 8 2.9	1.264	2.273	1.4	19.1
9 8	22 33.09	− 9 26.3	1.254	2.254	4.1	19.2
9 18	22 24.56	−10 44.1	1.269	2.235	9.4	19.5
9 28	22 17.92	−11 48.0	1.308	2.216	14.3	19.7
10 8	22 14.01	−12 32.8	1.366	2.197	18.4	19.9

281466 2008 SR_{182} 8 31.6 70°.95 3°.7/28.6 17

7 30	23 5.50	−15 46.7	1.589	2.488	13.7	20.7
8 9	22 59.53	−16 37.1	1.549	2.506	9.8	20.5
8 19	22 51.51	−17 29.3	1.532	2.524	5.8	20.3
8 29	22 42.34	−18 16.0	1.541	2.543	3.7	20.2
9 8	22 33.16	−18 50.6	1.576	2.561	6.0	20.4
9 18	22 25.04	−19 9.0	1.637	2.579	9.7	20.7
9 28	22 18.89	−19 9.5	1.721	2.598	13.2	20.9
10 8	22 15.22	−18 52.9	1.825	2.616	16.1	21.2

2020	α_{2000}	δ_{2000}	Δ	r	β	V
312870 2011 UA_{161}			8 31.6 299°.23	6°.0/ 6.7 18		
	h m	° ′			°	m
7 30	23 0.09	+10 34.7	2.016	2.821	14.9	20.9
8 9	22 55.57	+10 46.9	1.935	2.817	12.3	20.7
8 19	22 49.32	+10 37.9	1.873	2.812	9.5	20.5
8 29	22 41.92	+10 7.5	1.836	2.807	7.0	20.4
9 8	22 34.20	+ 9 18.5	1.824	2.803	6.1	20.3
9 18	22 27.01	+ 8 15.5	1.838	2.798	7.5	20.4
9 28	22 21.18	+ 7 5.4	1.879	2.794	10.2	20.6
10 8	22 17.33	+ 5 55.3	1.942	2.789	13.1	20.7
428301 2007 EG_{214}			8 31.6 93°.05	9°.7/20.5 17		
7 30	23 5.57	−30 58.8	1.740	2.632	13.0	20.4
8 9	22 59.77	−33 29.1	1.723	2.654	10.8	20.3
8 19	22 51.75	−35 45.4	1.731	2.675	9.7	20.3
8 29	22 42.41	−37 36.3	1.765	2.696	10.2	20.3
9 8	22 32.95	−38 54.4	1.823	2.717	12.0	20.5
9 18	22 24.55	−39 37.4	1.904	2.737	14.1	20.7
9 28	22 18.20	−39 47.4	2.005	2.757	16.2	20.9
10 8	22 14.48	−39 29.2	2.121	2.777	17.9	21.1
34246 Kopparapu			8 31.6 44°.07	3°.8/29.1 18		
7 30	23 4.01	−12 53.4	1.051	1.967	17.5	18.0
8 9	22 59.18	−13 58.7	1.016	1.982	12.5	17.8
8 19	22 51.57	−15 11.5	1.000	1.997	7.2	17.5
8 29	22 42.37	−16 20.8	1.008	2.013	3.8	17.4
9 8	22 33.13	−17 15.8	1.038	2.030	7.0	17.6
9 18	22 25.32	−17 49.6	1.091	2.047	11.9	18.0
9 28	22 20.12	−17 59.3	1.165	2.065	16.3	18.3
10 8	22 18.06	−17 46.0	1.256	2.083	19.9	18.6
269710 1998 FM_2			8 31.6 60°.83	11°.5/27.4 16		
7 30	23 30.79	−39 9.6	1.524	2.372	16.8	19.6
8 9	23 17.44	−39 21.5	1.501	2.400	14.2	19.5
8 19	23 1.34	−39 7.5	1.500	2.428	12.1	19.4
8 29	22 44.27	−38 19.6	1.525	2.457	11.5	19.5
9 8	22 28.20	−36 57.1	1.575	2.485	12.6	19.6
9 18	22 14.73	−35 5.5	1.651	2.513	14.6	19.8
9 28	22 4.80	−32 53.7	1.750	2.541	16.8	20.0
10 8	21 58.63	−30 31.0	1.869	2.568	18.7	20.3
5072 Hioki			8 31.6 330°.64	0°.7/31.0 18		
7 30	23 1.10	− 8 23.3	1.833	2.718	12.8	16.9
8 9	22 56.37	− 8 51.1	1.762	2.713	9.2	16.7
8 19	22 49.79	− 9 27.8	1.715	2.708	5.2	16.5
8 29	22 42.02	−10 9.0	1.694	2.703	1.1	16.2
9 8	22 33.98	−10 49.1	1.700	2.698	3.6	16.3
9 18	22 26.60	−11 22.8	1.732	2.694	7.7	16.6
9 28	22 20.75	−11 46.1	1.789	2.690	11.5	16.8
10 8	22 17.04	−11 56.5	1.868	2.686	14.7	17.0
145223 2005 JS_{61}			8 31.6 27°.63	6°.4/27.5 17		
7 30	23 5.81	−20 6.1	1.168	2.084	16.2	19.3
8 9	23 0.45	−21 2.3	1.128	2.090	11.9	19.1
8 19	22 52.32	−21 56.3	1.107	2.097	8.0	18.9
8 29	22 42.54	−22 37.6	1.110	2.105	6.5	18.8
9 8	22 32.66	−22 57.8	1.135	2.113	9.0	19.0
9 18	22 24.17	−22 52.8	1.184	2.122	13.0	19.3
9 28	22 18.25	−22 23.0	1.252	2.132	16.9	19.5
10 8	22 15.50	−21 31.7	1.338	2.142	20.2	19.8
330261 2006 SZ_7			8 31.6 265°.20	4°.1/ 3.9 18		
7 30	23 2.76	+ 3 33.0	1.534	2.387	16.5	20.3
8 9	22 57.97	+ 3 27.8	1.455	2.378	13.0	20.1
8 19	22 50.91	+ 3 0.7	1.397	2.369	8.9	19.8
8 29	22 42.29	+ 2 13.3	1.363	2.360	5.1	19.6
9 8	22 33.19	+ 1 10.7	1.354	2.351	4.6	19.5
9 18	22 24.78	+ 0 0.2	1.370	2.341	8.3	19.7
9 28	22 18.18	− 1 9.6	1.411	2.332	12.5	19.9
10 8	22 14.16	− 2 11.0	1.473	2.322	16.4	20.2
485787 2012 DB_{14}			8 31.6 7°.00	1°.0/30.4 18		
7 30	22 57.31	− 7 0.7	2.121	3.003	11.4	20.8
8 9	22 53.42	− 8 16.5	2.054	3.003	8.2	20.6
8 19	22 48.01	− 9 43.1	2.011	3.004	4.6	20.4
8 29	22 41.65	−11 14.5	1.996	3.005	1.1	20.2
9 8	22 35.07	−12 43.9	2.009	3.006	3.5	20.3
9 18	22 29.03	−14 4.8	2.051	3.007	7.2	20.6
9 28	22 24.24	−15 12.0	2.118	3.008	10.5	20.8
10 8	22 21.21	−16 2.5	2.208	3.009	13.3	21.0
352411 2007 XF_{52}			8 31.6 266°.99	2°.4/29.4 18		
7 30	23 2.56	−13 9.6	1.948	2.839	11.9	20.9
8 9	22 57.38	−13 51.2	1.877	2.831	8.5	20.7
8 19	22 50.35	−14 37.8	1.830	2.823	4.9	20.5
8 29	22 42.15	−15 23.9	1.809	2.815	2.4	20.3
9 8	22 33.66	−16 3.7	1.816	2.807	4.7	20.4
9 18	22 25.81	−16 32.5	1.850	2.799	8.4	20.7
9 28	22 19.47	−16 46.9	1.909	2.791	11.8	20.9
10 8	22 15.25	−16 46.1	1.989	2.782	14.8	21.0

2020	α_{2000}	δ_{2000}	Δ	r	β	V
344813 2004 CO			8 31.6 265°.60	11°.6/17.2 18		
	h m	° ′			°	m
7 30	23 12.77	−44 20.2	2.186	3.024	12.8	20.4
8 9	23 5.18	−45 44.0	2.134	3.002	11.9	20.3
8 19	22 54.99	−46 49.4	2.105	2.980	11.6	20.2
8 29	22 43.13	−47 27.6	2.098	2.958	12.2	20.2
9 8	22 30.93	−47 33.1	2.113	2.935	13.4	20.2
9 18	22 19.76	−47 4.8	2.149	2.912	15.0	20.3
9 28	22 10.83	−46 5.2	2.203	2.888	16.7	20.4
10 8	22 4.87	−44 40.1	2.272	2.864	18.2	20.5
287721 2003 QB_{110}			8 31.6 266°.19	1°.6/ 1.8 18		
7 30	23 4.16	− 2 35.9	1.475	2.351	15.8	21.0
8 9	22 59.11	− 2 54.8	1.396	2.338	11.9	20.7
8 19	22 51.62	− 3 30.9	1.339	2.325	7.3	20.4
8 29	22 42.47	− 4 20.8	1.305	2.312	2.5	20.1
9 8	22 32.76	− 5 17.8	1.297	2.298	3.7	20.1
9 18	22 23.77	− 6 14.6	1.314	2.284	8.7	20.4
9 28	22 16.69	− 7 3.6	1.356	2.270	13.4	20.6
10 8	22 12.33	− 7 39.7	1.418	2.256	17.5	20.8
131591 2001 WX_{52}			8 31.6 328°.39	1°.1/ 1.3 17		
7 30	23 2.74	− 4 28.0	1.116	2.015	18.1	20.1
8 9	22 58.54	− 4 40.1	1.051	2.006	13.5	19.8
8 19	22 51.47	− 5 10.5	1.005	1.997	8.1	19.5
8 29	22 42.45	− 5 54.8	0.981	1.989	2.3	19.1
9 8	22 32.87	− 6 44.7	0.979	1.982	4.3	19.2
9 18	22 24.30	− 7 31.7	1.001	1.975	10.2	19.5
9 28	22 18.12	− 8 7.7	1.044	1.969	15.5	19.8
10 8	22 15.21	− 8 27.6	1.105	1.963	20.0	20.1
266284 2007 BO_{14}			8 31.6 114°.31	0°.0/31.5 17		
7 30	23 6.06	− 6 27.7	1.756	2.631	13.8	21.1
8 9	22 59.84	− 6 51.3	1.701	2.645	10.0	20.9
8 19	22 51.70	− 7 25.1	1.669	2.659	5.7	20.7
8 29	22 42.43	− 8 4.6	1.663	2.672	1.2	20.4
9 8	22 33.03	− 8 44.1	1.685	2.685	3.3	20.6
9 18	22 24.52	− 9 18.4	1.734	2.698	7.6	20.9
9 28	22 17.76	− 9 43.5	1.809	2.710	11.4	21.2
10 8	22 13.32	− 9 56.9	1.906	2.721	14.6	21.4
164737 1998 ST_{47}			8 31.6 41°.75	1°.0/ 1.5 18		
7 30	23 1.59	− 3 37.0	1.503	2.385	15.3	19.6
8 9	22 56.85	− 4 2.0	1.452	2.398	11.2	19.4
8 19	22 50.08	− 4 41.8	1.423	2.412	6.7	19.2
8 29	22 42.10	− 5 31.5	1.418	2.426	2.0	18.9
9 8	22 33.98	− 6 24.5	1.439	2.440	3.4	19.1
9 18	22 26.79	− 7 14.1	1.486	2.456	7.9	19.4
9 28	22 21.44	− 7 54.3	1.557	2.471	12.0	19.7
10 8	22 18.50	− 8 21.6	1.649	2.487	15.4	19.9
328901 2010 TK_{25}			8 31.6 210°.90	2°.1/ 2.4 17		
7 30	23 5.09	− 0 43.1	1.747	2.606	14.6	21.4
8 9	22 59.40	− 1 1.7	1.669	2.600	11.1	21.2
8 19	22 51.62	− 1 36.5	1.614	2.595	7.0	20.9
8 29	22 42.45	− 2 24.6	1.584	2.588	2.9	20.7
9 8	22 32.89	− 3 20.6	1.581	2.581	3.4	20.7
9 18	22 24.00	− 4 18.0	1.605	2.573	7.6	20.9
9 28	22 16.78	− 5 10.4	1.655	2.565	11.7	21.2
10 8	22 11.93	− 5 52.5	1.727	2.556	15.3	21.4
399040 2013 HN_{126}			8 31.6 38°.82	4°.4/ 5.3 15		
7 30	22 59.65	+ 6 32.6	2.098	2.923	13.7	21.2
8 9	22 55.10	+ 6 35.8	2.027	2.928	10.9	21.1
8 19	22 48.98	+ 6 21.1	1.978	2.934	7.9	20.9
8 29	22 41.88	+ 5 49.7	1.954	2.940	5.3	20.7
9 8	22 34.56	+ 5 4.8	1.956	2.945	4.6	20.7
9 18	22 27.82	+ 4 11.4	1.986	2.952	6.6	20.8
9 28	22 22.39	+ 3 15.2	2.042	2.958	9.5	21.0
10 8	22 18.81	+ 2 21.9	2.121	2.964	12.3	21.2
289245 2004 XJ_{79}			8 31.6 297°.00	1°.3/30.3 18		
7 30	23 0.07	−10 20.0	2.163	3.048	11.1	20.8
8 9	22 55.49	−10 56.0	2.080	3.031	8.0	20.6
8 19	22 49.26	−11 39.0	2.021	3.014	4.5	20.3
8 29	22 41.95	−12 24.6	1.990	2.998	1.4	20.1
9 8	22 34.32	−13 7.6	1.986	2.982	3.7	20.2
9 18	22 27.17	−13 43.4	2.010	2.965	7.3	20.4
9 28	22 21.29	−14 8.3	2.059	2.949	10.7	20.6
10 8	22 17.27	−14 20.1	2.131	2.933	13.7	20.8
66586 1999 RC_{164}			8 31.6 292°.37	0°.4/31.9 18		
7 30	23 3.50	− 5 59.7	1.692	2.571	14.0	19.0
8 9	22 58.44	− 6 12.5	1.604	2.550	10.3	18.7
8 19	22 51.19	− 6 36.9	1.538	2.528	6.1	18.4
8 29	22 42.39	− 7 9.6	1.497	2.506	1.5	18.1
9 8	22 33.04	− 7 45.1	1.483	2.484	3.5	18.2
9 18	22 24.25	− 8 17.8	1.496	2.462	8.2	18.4
9 28	22 17.12	− 8 42.6	1.533	2.440	12.6	18.6
10 8	22 12.42	− 8 55.7	1.591	2.419	16.4	18.8

225364 1999 BO_{30} 8 31.6 34°.51 2°.6/29.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 2.08	−11 16.5	1.382	2.286	15.0	19.7
8 9	22 57.46	−12 18.2	1.331	2.291	10.7	19.5
8 19	22 50.55	−13 29.1	1.301	2.296	6.1	19.2
8 29	22 42.22	−14 40.6	1.295	2.302	2.6	19.1
9 8	22 33.66	−15 43.8	1.315	2.308	5.6	19.3
9 18	22 26.10	−16 31.5	1.360	2.315	10.1	19.5
9 28	22 20.56	−16 59.2	1.427	2.321	14.2	19.8
10 8	22 17.69	−17 6.2	1.513	2.328	17.7	20.1

384041 2008 UO_{189} 8 31.6 198°.25 4°.9/27.0 18

7 30	23 8.15	−22 28.7	2.190	3.074	11.0	21.9
8 9	23 1.24	−23 13.0	2.127	3.071	8.3	21.7
8 19	22 52.49	−23 53.9	2.088	3.068	5.8	21.6
8 29	22 42.62	−24 25.3	2.078	3.063	5.0	21.5
9 8	22 32.55	−24 42.3	2.095	3.058	6.7	21.6
9 18	22 23.23	−24 42.1	2.140	3.053	9.4	21.8
9 28	22 15.51	−24 24.2	2.209	3.047	12.2	22.0
10 8	22 9.96	−23 50.1	2.300	3.040	14.6	22.1

378180 2006 WY_{183} 8 31.6 272°.18 1°.0/ 1.4 17

7 30	23 4.20	− 4 5.0	1.596	2.472	14.8	21.7
8 9	22 59.01	− 4 20.8	1.514	2.457	11.1	21.4
8 19	22 51.53	− 4 51.0	1.453	2.441	6.7	21.2
8 29	22 42.47	− 5 32.0	1.418	2.425	2.0	20.8
9 8	22 32.89	− 6 18.1	1.408	2.409	3.5	20.9
9 18	22 23.95	− 7 2.8	1.425	2.393	8.4	21.1
9 28	22 16.79	− 7 39.9	1.467	2.377	12.9	21.4
10 8	22 12.18	− 8 5.0	1.529	2.361	16.7	21.6

72654 2001 FD_{46} 8 31.6 223°.39 0°.9/ 1.6 18

7 30	23 1.57	− 2 49.8	2.209	3.069	11.9	20.3
8 9	22 56.51	− 3 26.9	2.126	3.060	8.8	20.1
8 19	22 49.84	− 4 16.7	2.066	3.051	5.3	19.8
8 29	22 42.09	− 5 15.5	2.034	3.041	1.7	19.6
9 8	22 34.04	− 6 18.3	2.030	3.031	2.7	19.6
9 18	22 26.47	− 7 19.6	2.055	3.020	6.4	19.9
9 28	22 20.16	− 8 14.3	2.107	3.009	9.9	20.1
10 8	22 15.68	− 8 58.4	2.182	2.997	13.0	20.2

117046 2004 JL_{31} 8 31.6 20°.45 3°.9/27.5 18

7 30	22 59.18	−15 29.7	1.805	2.708	12.1	18.4
8 9	22 55.01	−16 53.7	1.752	2.711	8.7	18.2
8 19	22 49.02	−18 21.8	1.722	2.714	5.3	18.0
8 29	22 41.92	−19 45.8	1.719	2.717	4.0	17.9
9 8	22 34.60	−20 58.0	1.742	2.721	6.3	18.1
9 18	22 27.99	−21 52.6	1.792	2.725	9.6	18.3
9 28	22 22.95	−22 26.2	1.864	2.730	12.9	18.5
10 8	22 20.02	−22 38.6	1.957	2.735	15.6	18.7

322021 2010 VE_{11} 8 31.6 347°.79 2°.8/ 3.1 18

7 30	23 2.11	+ 0 11.0	2.005	2.858	13.2	20.5
8 9	22 56.97	+ 0 21.1	1.930	2.856	10.1	20.3
8 19	22 50.11	+ 0 17.9	1.878	2.854	6.7	20.0
8 29	22 42.15	+ 0 3.0	1.852	2.852	3.5	19.8
9 8	22 33.92	− 0 20.5	1.853	2.851	3.4	19.8
9 18	22 26.29	− 0 48.4	1.882	2.850	6.6	20.0
9 28	22 20.07	− 1 16.1	1.936	2.849	10.1	20.3
10 8	22 15.83	− 1 39.2	2.013	2.849	13.1	20.5

505019 2011 QH_{21} 8 31.6 202°.84 29°.5/21.5 17 C

7 30	23 18.70	+40 55.9	0.955	1.613	36.3	21.1
8 9	23 12.52	+43 45.5	0.897	1.610	34.9	20.9
8 19	23 0.98	+45 46.6	0.843	1.605	33.3	20.8
8 29	22 44.75	+46 39.1	0.796	1.597	31.7	20.6
9 8	22 26.03	+46 5.9	0.758	1.587	30.3	20.4
9 18	22 8.18	+43 59.4	0.730	1.573	29.5	20.3
9 28	21 54.59	+40 27.4	0.714	1.558	29.7	20.2
10 8	21 47.25	+35 54.3	0.711	1.540	30.9	20.2

401241 2012 BQ_{22} 8 31.6 116°.02 4°.4/ 5.9 18

7 30	23 0.81	+ 8 13.9	2.524	3.327	12.3	21.3
8 9	22 55.70	+ 8 21.4	2.452	3.337	9.9	21.1
8 19	22 49.24	+ 8 13.1	2.403	3.347	7.4	21.0
8 29	22 41.96	+ 7 49.7	2.380	3.357	5.2	20.8
9 8	22 34.51	+ 7 13.8	2.384	3.367	4.5	20.8
9 18	22 27.56	+ 6 28.9	2.417	3.376	6.0	20.9
9 28	22 21.74	+ 5 39.9	2.476	3.385	8.3	21.1
10 8	22 17.53	+ 4 51.6	2.561	3.394	10.7	21.3

491332 2011 WU_{134} 8 31.6 300°.24 5°.7/14.1 17

7 30	22 53.76	+25 36.6	4.355	5.005	9.6	20.0
8 9	22 50.30	+25 29.2	4.255	4.999	8.6	19.9
8 19	22 46.03	+25 6.5	4.175	4.993	7.5	19.8
8 29	22 41.28	+24 28.0	4.118	4.988	6.5	19.8
9 8	22 36.40	+23 34.7	4.086	4.982	5.8	19.7
9 18	22 31.78	+22 28.5	4.080	4.977	5.8	19.7
9 28	22 27.78	+21 12.6	4.102	4.971	6.3	19.7
10 8	22 24.72	+19 50.7	4.150	4.966	7.3	19.8

469681 2004 XZ_{98} 8 31.6 225°.96 7°.6/24.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 5.39	−22 34.6	1.434	2.341	14.3	21.1
8 9	23 0.07	−24 19.1	1.383	2.338	10.9	20.9
8 19	22 52.17	−26 1.6	1.354	2.334	8.1	20.8
8 29	22 42.61	−27 30.0	1.350	2.330	7.8	20.7
9 8	22 32.69	−28 34.0	1.371	2.326	10.2	20.9
9 18	22 23.80	−29 8.0	1.414	2.322	13.7	21.1
9 28	22 17.12	−29 10.9	1.479	2.318	17.0	21.3
10 8	22 13.38	−28 46.0	1.560	2.313	19.9	21.5

394751 2008 FP_{55} 8 31.6 17°.80 6°.5/ 7.9 15

7 30	22 54.20	+12 27.4	1.449	2.277	18.6	19.9
8 9	22 51.66	+11 57.3	1.393	2.289	15.3	19.8
8 19	22 47.20	+10 55.0	1.355	2.302	11.6	19.6
8 29	22 41.55	+ 9 22.9	1.339	2.317	8.1	19.4
9 8	22 35.72	+ 7 28.1	1.346	2.333	6.5	19.4
9 18	22 30.70	+ 5 21.2	1.379	2.350	8.1	19.5
9 28	22 27.36	+ 3 14.4	1.436	2.369	11.4	19.8
10 8	22 26.26	+ 1 18.2	1.516	2.389	14.7	20.0

6655 Nagahama 8 31.6 295°.11 5°.5/25.8 18

7 30	23 1.77	−22 22.2	2.037	2.935	11.1	16.2
8 9	22 56.82	−23 30.2	1.977	2.928	8.4	16.0
8 19	22 50.06	−24 36.2	1.940	2.920	6.1	15.8
8 29	22 42.16	−25 33.0	1.930	2.913	5.6	15.8
9 8	22 34.00	−26 14.2	1.946	2.905	7.5	15.9
9 18	22 26.51	−26 36.0	1.988	2.898	10.2	16.1
9 28	22 20.54	−26 37.0	2.054	2.891	13.0	16.2
10 8	22 16.66	−26 18.3	2.138	2.884	15.4	16.4

165073 2000 FE_{28} 8 31.6 188°.11 1°.6/ 2.3 18

7 30	23 1.09	− 0 51.7	2.208	3.061	12.1	20.6
8 9	22 56.11	− 1 20.2	2.132	3.061	9.1	20.4
8 19	22 49.57	− 2 2.0	2.080	3.060	5.7	20.2
8 29	22 42.05	− 2 54.1	2.054	3.059	2.3	20.0
9 8	22 34.29	− 3 51.7	2.057	3.058	2.7	20.0
9 18	22 27.07	− 4 49.6	2.089	3.056	6.2	20.2
9 28	22 21.11	− 5 42.8	2.147	3.054	9.5	20.4
10 8	22 16.95	− 6 27.2	2.229	3.051	12.5	20.6

362283 2009 RK_{27} 8 31.6 356°.13 3°.4/29.2 18

7 30	23 2.82	−16 26.1	1.603	2.506	13.3	19.2
8 9	22 57.83	−16 42.1	1.542	2.501	9.6	19.0
8 19	22 50.72	−16 59.2	1.504	2.497	5.8	18.7
8 29	22 42.31	−17 11.8	1.491	2.494	3.4	18.6
9 8	22 33.67	−17 14.5	1.503	2.493	5.6	18.7
9 18	22 25.91	−17 4.2	1.541	2.492	9.5	18.9
9 28	22 20.01	−16 39.1	1.602	2.492	13.2	19.2
10 8	22 16.55	−15 59.9	1.683	2.493	16.4	19.4

264915 2002 TU_{246} 8 31.6 264°.57 5°.2/27.7 18

7 30	23 6.78	−19 3.4	1.544	2.445	13.9	20.1
8 9	23 0.92	−19 57.0	1.480	2.436	10.2	19.8
8 19	22 52.62	−20 51.2	1.439	2.427	6.7	19.6
8 29	22 42.73	−21 37.3	1.422	2.418	5.2	19.5
9 8	22 32.48	−22 7.7	1.432	2.409	7.6	19.6
9 18	22 23.14	−22 17.5	1.466	2.400	11.4	19.8
9 28	22 15.87	−22 5.2	1.523	2.390	15.1	20.0
10 8	22 11.38	−21 32.2	1.598	2.381	18.3	20.2

120558 1995 DN_{4} 8 31.6 298°.43 2°.2/ 2.5 18

7 30	23 2.63	− 1 39.2	2.132	2.988	12.4	20.1
8 9	22 57.39	− 1 27.6	2.042	2.971	9.5	19.8
8 19	22 50.41	− 1 27.0	1.976	2.955	6.1	19.6
8 29	22 42.27	− 1 36.0	1.936	2.939	2.8	19.4
9 8	22 33.73	− 1 51.8	1.923	2.922	3.1	19.4
9 18	22 25.67	− 2 10.7	1.939	2.906	6.5	19.6
9 28	22 18.92	− 2 28.9	1.980	2.890	10.1	19.7
10 8	22 14.09	− 2 42.5	2.045	2.875	13.2	19.9

256478 2007 DO_{93} 8 31.6 233°.03 1°.3/30.1 18

7 30	22 58.90	− 9 10.9	2.271	3.154	10.8	20.4
8 9	22 54.52	−10 11.9	2.201	3.151	7.7	20.2
8 19	22 48.67	−11 21.0	2.155	3.148	4.3	19.9
8 29	22 41.88	−12 32.9	2.138	3.146	1.4	19.7
9 8	22 34.87	−13 42.0	2.148	3.143	3.6	19.9
9 18	22 28.36	−14 42.7	2.187	3.140	7.0	20.1
9 28	22 23.06	−15 31.1	2.252	3.137	10.2	20.3
10 8	22 19.47	−16 4.8	2.340	3.134	12.9	20.5

318990 2005 UD_{388} 8 31.6 259°.54 2°.5/ 3.4 18

7 30	22 59.02	+ 2 0.9	2.213	3.058	12.4	21.1
8 9	22 54.66	+ 1 34.3	2.132	3.053	9.5	20.9
8 19	22 48.78	+ 0 52.2	2.074	3.048	6.3	20.7
8 29	22 41.92	− 0 2.8	2.043	3.043	3.2	20.5
9 8	22 34.79	− 1 6.3	2.039	3.037	3.0	20.5
9 18	22 28.15	− 2 12.9	2.063	3.032	6.1	20.7
9 28	22 22.72	− 3 16.9	2.114	3.027	9.4	20.9
10 8	22 19.03	− 4 13.3	2.189	3.021	12.3	21.0

308912 2006 SZ_{268} 8 31.6 354°28 2°5/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 1.16	− 0 25.3	1.746	2.610	14.4	21.0
8 9	22 56.51	− 0 28.2	1.675	2.608	10.9	20.8
8 19	22 49.95	− 0 46.6	1.626	2.606	7.0	20.6
8 29	22 42.17	− 1 17.9	1.602	2.605	3.3	20.3
9 8	22 34.10	− 1 57.7	1.604	2.604	3.4	20.3
9 18	22 26.70	− 2 40.4	1.633	2.603	7.2	20.6
9 28	22 20.89	− 3 20.3	1.686	2.603	11.1	20.8
10 8	22 17.27	− 3 52.5	1.762	2.604	14.4	21.0

159335 2006 DE_{67} 8 31.6 209°73 1°3/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.27	− 0 52.5	2.600	3.451	10.6	20.2
8 9	22 53.91	− 1 30.5	2.519	3.447	7.9	20.1
8 19	22 48.27	− 2 20.3	2.464	3.444	4.9	19.9
8 29	22 41.81	− 3 19.0	2.436	3.441	2.0	19.7
9 8	22 35.14	− 4 22.3	2.437	3.437	2.3	19.7
9 18	22 28.89	− 5 25.6	2.466	3.433	5.4	19.9
9 28	22 23.67	− 6 24.3	2.524	3.429	8.4	20.1
10 8	22 19.93	− 7 14.6	2.606	3.425	11.0	20.2

71150 1999 XW_{186} 8 31.6 55°35 4°7/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 6.21	−19 11.6	1.618	2.518	13.4	18.2
8 9	23 0.16	−19 52.8	1.572	2.527	9.8	18.0
8 19	22 51.98	−20 32.6	1.549	2.537	6.3	17.9
8 29	22 42.58	−21 3.8	1.551	2.548	4.7	17.8
9 8	22 33.10	−21 20.5	1.579	2.558	6.8	17.9
9 18	22 24.67	−21 19.4	1.633	2.568	10.3	18.2
9 28	22 18.23	−21 0.0	1.710	2.579	13.6	18.4
10 8	22 14.32	−20 23.8	1.807	2.590	16.5	18.6

211156 2002 GF_{162} 8 31.6 66°73 0°0/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.83	− 4 41.1	1.258	2.149	17.0	20.2
8 9	22 58.77	− 5 33.8	1.214	2.166	12.3	19.9
8 19	22 51.32	− 6 43.3	1.191	2.183	7.1	19.7
8 29	22 42.46	− 8 1.7	1.191	2.200	1.5	19.4
9 8	22 33.49	− 9 19.5	1.217	2.218	4.1	19.6
9 18	22 25.68	−10 27.5	1.267	2.235	9.2	20.0
9 28	22 20.09	−11 19.2	1.341	2.252	13.8	20.3
10 8	22 17.28	−11 51.5	1.434	2.269	17.5	20.6

321654 2010 BE_{60} 8 31.6 80°46 2°4/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.40	−11 35.5	1.785	2.678	12.7	20.9
8 9	22 56.63	−12 38.6	1.725	2.680	9.0	20.7
8 19	22 49.99	−13 49.1	1.689	2.683	5.1	20.5
8 29	22 42.19	−15 0.1	1.679	2.685	2.4	20.3
9 8	22 34.15	−16 4.2	1.697	2.688	4.9	20.5
9 18	22 26.85	−16 55.5	1.740	2.690	8.7	20.7
9 28	22 21.15	−17 29.9	1.809	2.692	12.3	21.0
10 8	22 17.63	−17 46.2	1.898	2.695	15.3	21.2

33781 1999 RP_{174} 8 31.6 93°76 1°3/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.32	−10 5.9	2.186	3.068	11.1	18.3
8 9	22 56.20	−10 47.6	2.131	3.080	7.9	18.1
8 19	22 49.58	−11 35.5	2.100	3.093	4.4	18.0
8 29	22 42.09	−12 24.7	2.096	3.104	1.4	17.8
9 8	22 34.47	−13 10.2	2.121	3.116	3.5	17.9
9 18	22 27.51	−13 47.7	2.174	3.128	6.9	18.2
9 28	22 21.88	−14 14.1	2.252	3.140	10.0	18.4
10 8	22 18.06	−14 27.7	2.354	3.151	12.7	18.6

412753 2014 OP_{374} 8 31.6 32°85 2°8/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.92	−14 0.8	1.944	2.840	11.6	20.3
8 9	22 55.39	−14 54.0	1.891	2.848	8.3	20.1
8 19	22 49.19	−15 51.1	1.863	2.856	4.8	19.9
8 29	22 42.01	−16 45.9	1.861	2.865	2.8	19.8
9 8	22 34.69	−17 32.7	1.886	2.874	4.9	20.0
9 18	22 28.07	−18 6.7	1.938	2.883	8.3	20.2
9 28	22 22.93	−18 25.3	2.014	2.893	11.5	20.4
10 8	22 19.75	−18 27.9	2.112	2.903	14.2	20.6

43968 1997 FA_{5} 8 31.6 109°13 1°1/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.41	− 2 9.7	1.976	2.837	13.0	19.9
8 9	22 57.10	− 2 46.8	1.918	2.852	9.6	19.7
8 19	22 50.14	− 3 37.2	1.883	2.867	5.8	19.5
8 29	22 42.21	− 4 36.6	1.875	2.882	2.0	19.3
9 8	22 34.14	− 5 39.5	1.895	2.896	2.8	19.4
9 18	22 26.78	− 6 39.9	1.943	2.910	6.6	19.7
9 28	22 20.90	− 7 32.6	2.017	2.923	10.1	19.9
10 8	22 16.99	− 8 14.0	2.115	2.936	13.1	20.1

82574 2001 OH_{85} 8 31.6 282°50 2°6/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.06	+ 0 47.7	1.939	2.792	13.6	19.6
8 9	22 56.32	+ 0 35.9	1.862	2.788	10.4	19.3
8 19	22 49.81	+ 0 8.5	1.807	2.784	6.8	19.1
8 29	22 42.17	− 0 32.0	1.779	2.780	3.4	18.9
9 8	22 34.22	− 1 21.4	1.777	2.776	3.3	18.9
9 18	22 26.85	− 2 14.0	1.802	2.772	6.8	19.1
9 28	22 20.90	− 3 4.2	1.853	2.768	10.4	19.3
10 8	22 16.97	− 3 46.9	1.927	2.764	13.6	19.5

46941 1998 SQ_{74} 8 31.6 196°52 2°5/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.61	−13 1.7	1.950	2.840	11.9	18.9
8 9	22 57.40	−13 51.8	1.885	2.839	8.5	18.7
8 19	22 50.40	−14 47.2	1.845	2.838	4.9	18.5
8 29	22 42.28	−15 41.7	1.832	2.837	2.5	18.4
9 8	22 33.93	−16 29.4	1.846	2.836	4.7	18.5
9 18	22 26.25	−17 5.3	1.888	2.835	8.3	18.7
9 28	22 20.09	−17 26.3	1.954	2.833	11.7	18.9
10 8	22 16.02	−17 31.2	2.041	2.831	14.6	19.1

90621 1007 T_{-2} 8 31.6 349°31 2°2/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.60	− 1 5.6	1.369	2.250	16.5	18.7
8 9	22 56.54	− 1 23.7	1.303	2.246	12.5	18.5
8 19	22 50.16	− 2 1.4	1.257	2.242	7.9	18.2
8 29	22 42.26	− 2 54.9	1.234	2.239	3.2	17.9
9 8	22 33.98	− 3 57.2	1.235	2.237	3.7	18.0
9 18	22 26.53	− 5 0.1	1.262	2.235	8.5	18.2
9 28	22 21.02	− 5 55.7	1.312	2.234	13.1	18.5
10 8	22 18.17	− 6 38.0	1.382	2.234	17.1	18.8

474564 2004 BO_{107} 8 31.6 223°32 2°0/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.91	−13 18.4	2.421	3.301	10.3	22.2
8 9	22 58.11	−13 54.1	2.342	3.291	7.4	22.0
8 19	22 50.74	−14 33.7	2.289	3.280	4.3	21.8
8 29	22 42.36	−15 12.6	2.263	3.269	2.0	21.6
9 8	22 33.71	−15 46.3	2.267	3.257	4.0	21.7
9 18	22 25.57	−16 11.1	2.300	3.245	7.2	21.9
9 28	22 18.67	−16 24.4	2.358	3.232	10.2	22.1
10 8	22 13.55	−16 25.1	2.440	3.218	12.8	22.2

509973 2009 SJ_{342} 8 31.6 288°20 0°5/ 1.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.94	− 4 59.9	1.535	2.417	15.0	21.9
8 9	22 58.24	− 5 26.2	1.450	2.398	11.1	21.6
8 19	22 51.20	− 6 7.6	1.388	2.378	6.6	21.3
8 29	22 42.51	− 6 59.8	1.350	2.358	1.6	20.9
9 8	22 33.23	− 7 56.0	1.338	2.339	3.7	21.0
9 18	22 24.57	− 8 49.0	1.351	2.319	8.8	21.3
9 28	22 17.70	− 9 31.9	1.388	2.299	13.4	21.5
10 8	22 13.45	−10 0.3	1.446	2.280	17.5	21.7

418251 2008 DS_{80} 8 31.6 137°29 3°5/28.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 7.08	−15 10.9	1.646	2.539	13.5	21.2
8 9	23 0.83	−16 0.0	1.592	2.547	9.7	21.0
8 19	22 52.42	−16 52.3	1.562	2.554	5.8	20.8
8 29	22 42.71	−17 40.5	1.558	2.560	3.5	20.6
9 8	22 32.84	−18 17.7	1.580	2.567	5.9	20.8
9 18	22 23.93	−18 39.4	1.629	2.573	9.7	21.0
9 28	22 16.96	−18 43.2	1.702	2.578	13.3	21.3
10 8	22 12.52	−18 29.7	1.795	2.583	16.4	21.5

169037 2001 FN_{26} 8 31.6 151°38 0°9/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 6.60	− 4 10.2	1.803	2.669	13.9	20.5
8 9	23 0.32	− 4 30.8	1.739	2.677	10.2	20.3
8 19	22 52.09	− 5 3.6	1.698	2.684	6.1	20.1
8 29	22 42.65	− 5 44.7	1.684	2.691	1.8	19.8
9 8	22 33.00	− 6 28.7	1.697	2.698	3.1	19.9
9 18	22 24.14	− 7 10.1	1.738	2.703	7.4	20.2
9 28	22 17.00	− 7 44.0	1.805	2.708	11.3	20.4
10 8	22 12.15	− 8 7.1	1.894	2.713	14.5	20.7

365010 2008 LO_{12} 8 31.6 92°28 3°8/ 4.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.42	+ 5 50.6	2.342	3.165	12.5	21.0
8 9	22 54.84	+ 5 43.5	2.268	3.170	9.9	20.8
8 19	22 48.84	+ 5 20.4	2.217	3.175	7.1	20.7
8 29	22 41.96	+ 4 42.7	2.191	3.179	4.5	20.5
9 8	22 34.89	+ 3 53.8	2.193	3.184	3.9	20.5
9 18	22 28.32	+ 2 58.0	2.223	3.189	5.9	20.6
9 28	22 22.92	+ 2 0.7	2.280	3.194	8.7	20.8
10 8	22 19.18	+ 1 7.0	2.361	3.199	11.4	21.0

138430 2000 HS_{80} 8 31.6 128°28 1°7/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.22	−10 21.2	2.106	2.991	11.4	20.1
8 9	22 56.24	−11 21.8	2.047	2.999	8.1	19.9
8 19	22 49.67	−12 29.3	2.013	3.006	4.6	19.7
8 29	22 42.13	−13 38.0	2.007	3.014	1.7	19.5
9 8	22 34.44	−14 41.8	2.028	3.021	4.0	19.7
9 18	22 27.37	−15 35.5	2.078	3.028	7.5	19.9
9 28	22 21.68	−16 15.4	2.153	3.035	10.7	20.2
10 8	22 17.87	−16 39.8	2.251	3.042	13.4	20.4

487916 2015 TX_{195} 8 31.6 324°24 6°0/ 5.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.30	+ 6 28.8	1.813	2.643	15.3	20.4
8 9	22 57.49	+ 7 14.3	1.724	2.626	12.5	20.2
8 19	22 50.65	+ 7 42.3	1.657	2.610	9.4	20.0
8 29	22 42.39	+ 7 51.7	1.613	2.594	6.7	19.8
9 8	22 33.62	+ 7 43.6	1.594	2.579	6.1	19.7
9 18	22 25.34	+ 7 21.1	1.602	2.564	8.2	19.8
9 28	22 18.58	+ 6 49.8	1.634	2.550	11.4	20.0
10 8	22 14.06	+ 6 16.2	1.688	2.536	14.7	20.2

246188 2007 RY_{68} 8 31.6 187°.32 0°.9/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 1.29	− 7 50.7	1.882	2.765	12.6	20.5
8 9	22 56.50	− 8 44.3	1.815	2.765	9.1	20.3
8 19	22 49.92	− 9 48.2	1.772	2.765	5.1	20.1
8 29	22 42.21	−10 56.7	1.755	2.764	1.2	19.8
9 8	22 34.24	−12 3.2	1.767	2.764	3.7	20.0
9 18	22 26.93	−13 1.4	1.805	2.763	7.8	20.2
9 28	22 21.11	−13 46.6	1.868	2.763	11.4	20.5
10 8	22 17.37	−14 16.0	1.954	2.762	14.5	20.7

152087 2004 RJ_{37} 8 31.6 71°.94 2°.3/29.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.88	−14 8.2	2.103	2.991	11.2	19.8
8 9	22 57.42	−14 39.9	2.045	2.997	8.0	19.6
8 19	22 50.33	−15 14.4	2.011	3.003	4.7	19.4
8 29	22 42.28	−15 47.1	2.004	3.009	2.4	19.3
9 8	22 34.09	−16 13.0	2.026	3.015	4.4	19.4
9 18	22 26.59	−16 28.8	2.074	3.021	7.7	19.6
9 28	22 20.54	−16 32.1	2.148	3.028	10.8	19.8
10 8	22 16.43	−16 22.6	2.244	3.034	13.5	20.0

147138 2002 TU_{239} 8 31.6 323°.89 0°.9/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.88	− 5 4.5	1.225	2.121	17.0	19.3
8 9	22 57.86	− 5 11.9	1.151	2.105	12.7	19.0
8 19	22 51.14	− 5 35.5	1.097	2.089	7.6	18.6
8 29	22 42.52	− 6 11.3	1.065	2.074	2.1	18.3
9 8	22 33.30	− 6 52.3	1.057	2.059	4.1	18.4
9 18	22 24.89	− 7 31.0	1.073	2.046	9.7	18.6
9 28	22 18.66	− 8 0.1	1.110	2.033	14.9	18.9
10 8	22 15.49	− 8 14.8	1.166	2.021	19.4	19.1

342672 2008 VY_{25} 8 31.6 226°.59 1°.6/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.92	−10 22.2	2.090	2.971	11.6	21.7
8 9	22 57.62	−11 12.0	2.013	2.962	8.3	21.5
8 19	22 50.56	−12 9.4	1.960	2.953	4.7	21.2
8 29	22 42.36	−13 9.1	1.935	2.943	1.6	21.0
9 8	22 33.83	−14 5.2	1.938	2.932	4.0	21.1
9 18	22 25.86	−14 52.4	1.969	2.921	7.7	21.3
9 28	22 19.28	−15 26.7	2.026	2.909	11.2	21.5
10 8	22 14.68	−15 46.0	2.105	2.897	14.2	21.7

342723 2008 WL_{23} 8 31.6 332°.71 3°.3/29.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.38	−13 24.4	1.418	2.325	14.5	20.6
8 9	22 57.12	−14 17.4	1.354	2.315	10.4	20.3
8 19	22 50.52	−15 17.8	1.311	2.306	6.1	20.1
8 29	22 42.37	−16 17.6	1.292	2.297	3.3	19.9
9 8	22 33.83	−17 8.2	1.299	2.290	6.1	20.0
9 18	22 26.14	−17 42.9	1.330	2.282	10.5	20.3
9 28	22 20.41	−17 57.5	1.383	2.276	14.7	20.5
10 8	22 17.37	−17 51.3	1.455	2.270	18.3	20.7

325992 2010 VX_{192} 8 31.6 210°.82 8°.4/17.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 6.78	−43 13.9	3.122	3.955	9.5	21.6
8 9	23 0.15	−44 24.6	3.082	3.948	8.7	21.5
8 19	22 51.88	−45 21.7	3.067	3.940	8.4	21.5
8 29	22 42.62	−46 0.0	3.076	3.932	8.8	21.5
9 8	22 33.18	−46 16.2	3.110	3.924	9.7	21.6
9 18	22 24.40	−46 9.4	3.165	3.915	10.9	21.6
9 28	22 17.05	−45 40.7	3.241	3.906	12.1	21.7
10 8	22 11.65	−44 53.0	3.333	3.896	13.1	21.8

144296 Steviewonder 8 31.6 137°.52 3°.8/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 5.11	+ 3 56.0	1.820	2.657	15.0	20.3
8 9	22 59.25	+ 3 51.0	1.754	2.667	11.7	20.1
8 19	22 51.49	+ 3 27.5	1.710	2.677	8.0	19.9
8 29	22 42.55	+ 2 47.4	1.691	2.686	4.7	19.7
9 8	22 33.38	+ 1 55.1	1.699	2.695	4.2	19.7
9 18	22 24.97	+ 0 56.8	1.735	2.703	7.2	19.9
9 28	22 18.20	− 0 1.0	1.797	2.711	10.7	20.1
10 8	22 13.67	− 0 52.5	1.882	2.718	13.9	20.3

284293 2006 KP_{92} 8 31.6 45°.37 0°.6/ 1.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.28	− 4 7.6	1.640	2.519	14.3	21.1
8 9	22 56.64	− 4 42.4	1.581	2.526	10.5	20.9
8 19	22 50.04	− 5 31.2	1.543	2.533	6.2	20.6
8 29	22 42.25	− 6 29.1	1.531	2.539	1.6	20.4
9 8	22 34.25	− 7 29.5	1.545	2.547	3.3	20.5
9 18	22 27.03	− 8 25.6	1.586	2.554	7.7	20.8
9 28	22 21.51	− 9 11.7	1.652	2.562	11.7	21.0
10 8	22 18.26	− 9 43.9	1.738	2.569	15.1	21.3

113637 2002 TK_{75} 8 31.6 344°.66 7°.4/26.8 17 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.71	−21 0.7	1.085	2.007	16.5	18.6
8 9	22 58.68	−22 4.2	1.032	1.997	12.4	18.3
8 19	22 51.64	−23 6.2	0.999	1.989	8.6	18.1
8 29	22 42.63	−23 54.9	0.988	1.981	7.5	18.0
9 8	22 33.21	−24 19.8	0.998	1.974	10.2	18.1
9 18	22 25.03	−24 15.4	1.030	1.969	14.4	18.3
9 28	22 19.46	−23 41.3	1.080	1.965	18.6	18.6
10 8	22 17.28	−22 41.2	1.147	1.962	22.2	18.8

496653 2016 AZ_{130} 8 31.6 26°.00 18°.0/12.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 9.30	+22 46.8	1.094	1.867	26.6	20.2
8 9	23 3.82	+25 20.9	1.040	1.870	24.1	20.0
8 19	22 54.87	+27 17.3	0.999	1.873	21.5	19.8
8 29	22 43.38	+28 24.6	0.974	1.877	19.3	19.7
9 8	22 31.02	+28 37.2	0.967	1.881	18.1	19.6
9 18	22 19.72	+27 57.5	0.977	1.886	18.2	19.7
9 28	22 11.31	+26 37.0	1.005	1.891	19.6	19.8
10 8	22 6.86	+24 52.4	1.049	1.896	21.7	19.9

69501 1997 CK_{11} 8 31.6 88°.62 0°.2/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.98	− 6 35.9	1.728	2.609	13.6	20.0
8 9	22 57.79	− 7 9.0	1.667	2.615	9.9	19.7
8 19	22 50.69	− 7 53.1	1.629	2.621	5.7	19.5
8 29	22 42.39	− 8 43.3	1.617	2.626	1.2	19.2
9 8	22 33.89	− 9 33.2	1.632	2.632	3.4	19.4
9 18	22 26.17	−10 17.2	1.674	2.638	7.8	19.7
9 28	22 20.12	−10 50.4	1.741	2.644	11.6	19.9
10 8	22 16.32	−11 10.1	1.829	2.649	14.9	20.2

264629 2001 WV_{36} 8 31.6 337°.62 6°.3/26.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.58	−19 45.3	1.342	2.255	14.7	19.0
8 9	22 58.14	−21 3.2	1.287	2.248	10.9	18.8
8 19	22 51.15	−22 21.7	1.253	2.242	7.4	18.6
8 29	22 42.52	−23 30.3	1.244	2.236	6.5	18.5
9 8	22 33.54	−24 19.3	1.258	2.231	9.0	18.6
9 18	22 25.56	−24 42.6	1.296	2.227	12.8	18.9
9 28	22 19.77	−24 38.4	1.354	2.223	16.6	19.1
10 8	22 16.87	−24 8.9	1.430	2.219	19.8	19.3

279 Thule 8 31.6 244°.78 0°.7/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.36	− 9 54.4	3.491	4.365	7.6	15.0
8 9	22 52.28	−10 23.8	3.416	4.362	5.4	14.9
8 19	22 47.26	−10 57.2	3.367	4.359	3.0	14.7
8 29	22 41.67	−11 32.1	3.347	4.356	0.8	14.5
9 8	22 35.94	−12 5.5	3.357	4.352	2.3	14.7
9 18	22 30.53	−12 34.9	3.395	4.349	4.7	14.8
9 28	22 25.88	−12 58.0	3.462	4.346	7.0	15.0
10 8	22 22.34	−13 13.3	3.552	4.343	8.9	15.1

255488 2006 AN_{6} 8 31.6 317°.00 5°.2/25.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.82	−21 19.3	2.024	2.924	11.1	20.0
8 9	22 56.17	−22 31.1	1.964	2.917	8.3	19.8
8 19	22 49.75	−23 41.8	1.929	2.911	5.9	19.6
8 29	22 42.21	−24 44.2	1.920	2.905	5.4	19.6
9 8	22 34.43	−25 31.7	1.938	2.900	7.2	19.7
9 18	22 27.29	−26 0.3	1.981	2.894	10.0	19.8
9 28	22 21.63	−26 8.1	2.048	2.889	12.8	20.0
10 8	22 18.03	−25 55.9	2.134	2.884	15.3	20.2

395042 2009 DL_{101} 8 31.6 284°.92 2°.0/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.97	− 9 49.1	1.841	2.732	12.5	20.9
8 9	22 55.74	−11 0.0	1.763	2.717	9.0	20.6
8 19	22 49.61	−12 21.7	1.708	2.702	5.1	20.3
8 29	22 42.21	−13 47.5	1.680	2.687	2.0	20.1
9 8	22 34.40	−15 9.6	1.679	2.672	4.6	20.3
9 18	22 27.15	−16 20.6	1.705	2.657	8.7	20.5
9 28	22 21.36	−17 15.0	1.756	2.642	12.5	20.7
10 8	22 17.72	−17 50.1	1.828	2.627	15.7	20.9

306822 2001 QT_{294} 8 31.6 333°.65 6°.5/ 5.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.88	+ 7 5.1	1.272	2.128	19.1	19.4
8 9	22 55.59	+ 7 22.7	1.196	2.115	15.5	19.2
8 19	22 49.81	+ 7 12.5	1.139	2.103	11.5	18.9
8 29	22 42.28	+ 6 34.0	1.103	2.092	7.7	18.7
9 8	22 34.18	+ 5 31.1	1.089	2.081	6.7	18.6
9 18	22 26.82	+ 4 12.0	1.099	2.072	9.5	18.7
9 28	22 21.46	+ 2 47.4	1.130	2.063	13.7	18.9
10 8	22 18.97	+ 1 28.3	1.182	2.056	17.9	19.2

294629 2008 AG_{43} 8 31.7 174°.49 0°.0/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 5.81	− 6 7.5	1.748	2.622	13.8	21.9
8 9	22 59.89	− 6 42.2	1.681	2.625	10.1	21.7
8 19	22 51.94	− 7 28.6	1.637	2.627	5.8	21.4
8 29	22 42.69	− 8 21.7	1.620	2.629	1.2	21.1
9 8	22 33.17	− 9 15.2	1.630	2.629	3.4	21.3
9 18	22 24.42	−10 2.9	1.667	2.630	7.9	21.6
9 28	22 17.39	−10 40.0	1.730	2.629	11.9	21.8
10 8	22 12.72	−11 3.3	1.814	2.628	15.2	22.0

372874 2010 WB_{52} 8 31.7 276°.33 0°.3/31.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 4.55	− 5 35.3	1.496	2.379	15.2	21.5
8 9	22 59.49	− 6 0.2	1.413	2.361	11.3	21.2
8 19	22 51.99	− 6 39.8	1.352	2.343	6.7	20.9
8 29	22 42.75	− 7 29.5	1.315	2.324	1.5	20.5
9 8	22 32.90	− 8 22.4	1.304	2.305	3.8	20.6
9 18	22 23.71	− 9 11.2	1.319	2.286	9.0	20.9
9 28	22 16.40	− 9 49.5	1.358	2.267	13.8	21.1
10 8	22 11.81	−10 12.8	1.416	2.247	17.9	21.3

121445 1999 TH_{189} 8 31.7 240°.95 3°.4/ 4.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 1.30	+ 3 39.5	2.365	3.195	12.2	19.7
8 9	22 56.27	+ 3 45.8	2.282	3.190	9.6	19.5
8 19	22 49.73	+ 3 38.2	2.222	3.185	6.7	19.4
8 29	22 42.23	+ 3 17.7	2.188	3.180	4.1	19.2
9 8	22 34.45	+ 2 47.0	2.182	3.175	3.7	19.2
9 18	22 27.14	+ 2 9.8	2.204	3.170	6.0	19.3
9 28	22 21.00	+ 1 30.7	2.253	3.164	8.9	19.5
10 8	22 16.57	+ 0 54.2	2.326	3.159	11.7	19.6

431697 2008 DK_{87} 8 31.7 268°.60 3°.0/29.3 17

7 30	23 4.83	−12 44.8	1.527	2.424	14.2	21.7
8 9	22 59.63	−13 39.0	1.452	2.409	10.3	21.5
8 19	22 52.02	−14 41.5	1.400	2.394	6.0	21.2
8 29	22 42.75	−15 44.7	1.373	2.379	3.0	21.0
9 8	22 32.98	−16 40.2	1.372	2.363	5.8	21.1
9 18	22 23.94	−17 20.9	1.397	2.347	10.3	21.3
9 28	22 16.83	−17 42.3	1.444	2.332	14.6	21.6
10 8	22 12.43	−17 43.2	1.511	2.316	18.2	21.8

509809 2008 VA_{11} 8 31.7 240°.42 1°.0/30.7 18

7 30	23 2.30	− 8 17.5	1.979	2.859	12.2	21.9
8 9	22 57.28	− 9 5.7	1.900	2.849	8.8	21.7
8 19	22 50.44	−10 3.8	1.846	2.838	5.0	21.4
8 29	22 42.40	−11 6.5	1.819	2.827	1.2	21.1
9 8	22 34.02	−12 7.8	1.819	2.816	3.7	21.3
9 18	22 26.19	−13 1.6	1.847	2.805	7.7	21.5
9 28	22 19.80	−13 43.2	1.901	2.793	11.4	21.7
10 8	22 15.45	−14 9.9	1.977	2.781	14.5	21.9

343334 2010 CE_{32} 8 31.7 242°.85 0°.3/ 1.0 18

7 30	22 59.87	− 2 42.5	1.832	2.704	13.4	20.5
8 9	22 55.60	− 3 53.5	1.757	2.699	9.9	20.2
8 19	22 49.50	− 5 21.3	1.705	2.693	5.8	20.0
8 29	22 42.20	− 7 0.3	1.680	2.688	1.4	19.7
9 8	22 34.57	− 8 42.5	1.682	2.683	3.2	19.8
9 18	22 27.53	−10 19.4	1.712	2.677	7.5	20.0
9 28	22 21.96	−11 43.7	1.769	2.671	11.5	20.3
10 8	22 18.48	−12 50.6	1.847	2.666	14.8	20.5

119036 2001 FQ_{34} 8 31.7 243°.51 1°.6/30.0 18

7 30	23 4.65	−13 24.0	2.527	3.404	10.0	19.5
8 9	22 58.59	−13 37.8	2.446	3.393	7.2	19.3
8 19	22 51.03	−13 54.2	2.391	3.382	4.1	19.1
8 29	22 42.51	−14 9.7	2.365	3.371	1.7	18.9
9 8	22 33.75	−14 20.7	2.367	3.360	3.5	19.0
9 18	22 25.50	−14 24.5	2.399	3.348	6.7	19.2
9 28	22 18.45	−14 19.1	2.457	3.336	9.6	19.4
10 8	22 13.14	−14 3.9	2.539	3.324	12.2	19.6

75654 2000 AV_{65} 8 31.7 215°.75 0°.9/ 1.5 18

7 30	23 6.00	− 5 9.0	2.131	2.993	12.2	20.0
8 9	22 59.78	− 5 6.5	2.052	2.988	9.0	19.7
8 19	22 51.80	− 5 12.9	1.997	2.983	5.4	19.5
8 29	22 42.69	− 5 25.6	1.970	2.977	1.7	19.3
9 8	22 33.29	− 5 41.3	1.971	2.971	2.8	19.3
9 18	22 24.48	− 5 56.3	2.000	2.965	6.6	19.6
9 28	22 17.09	− 6 7.2	2.057	2.959	10.2	19.8
10 8	22 11.72	− 6 11.3	2.136	2.952	13.2	20.0

330867 2009 QB_{48} 8 31.7 3°.21 0°.6/31.1 18

7 30	22 51.14	− 3 41.4	0.895	1.818	19.1	19.0
8 9	22 50.35	− 5 6.7	0.847	1.815	13.9	18.7
8 19	22 46.88	− 6 59.5	0.817	1.815	7.9	18.4
8 29	22 41.67	− 9 8.5	0.807	1.816	1.5	18.0
9 8	22 36.11	−11 17.1	0.818	1.820	5.2	18.3
9 18	22 31.62	−13 9.5	0.851	1.826	11.3	18.7
9 28	22 29.46	−14 33.9	0.904	1.834	16.7	19.0
10 8	22 30.31	−15 25.3	0.973	1.843	21.1	19.3

349259 2007 TH_{168} 8 31.7 222°.23 5°.0/ 6.5 18

7 30	23 1.02	+10 22.9	2.401	3.194	13.1	21.3
8 9	22 56.12	+10 16.1	2.309	3.185	10.8	21.1
8 19	22 49.70	+ 9 50.4	2.238	3.176	8.2	20.9
8 29	22 42.26	+ 9 6.1	2.192	3.166	5.9	20.8
9 8	22 34.49	+ 8 5.9	2.174	3.155	5.0	20.7
9 18	22 27.15	+ 6 54.5	2.184	3.144	6.5	20.8
9 28	22 20.95	+ 5 37.8	2.222	3.133	9.1	20.9
10 8	22 16.45	+ 4 22.1	2.284	3.121	11.7	21.1

332473 2008 EB_{51} 8 31.7 86°.60 0°.8/ 1.3 17

7 30	23 5.67	− 3 53.5	1.517	2.393	15.5	21.3
8 9	22 59.83	− 4 22.1	1.469	2.412	11.4	21.0
8 19	22 51.88	− 5 5.2	1.442	2.430	6.7	20.8
8 29	22 42.70	− 5 57.4	1.440	2.448	1.9	20.6
9 8	22 33.43	− 6 51.9	1.465	2.466	3.4	20.7
9 18	22 25.17	− 7 41.9	1.516	2.484	8.0	21.0
9 28	22 18.87	− 8 22.0	1.592	2.501	12.1	21.3
10 8	22 15.08	− 8 48.8	1.689	2.518	15.5	21.6

49470 1999 AZ_{26} 8 31.7 255°.18 1°.5/ 2.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 2.64	− 2 32.6	2.015	2.876	12.8	18.9
8 9	22 57.46	− 2 41.6	1.936	2.870	9.6	18.7
8 19	22 50.52	− 3 2.8	1.880	2.863	6.0	18.4
8 29	22 42.44	− 3 33.6	1.851	2.857	2.3	18.2
9 8	22 34.04	− 4 9.7	1.849	2.850	2.9	18.2
9 18	22 26.21	− 4 46.6	1.875	2.843	6.7	18.4
9 28	22 19.78	− 5 19.3	1.927	2.836	10.3	18.6
10 8	22 15.36	− 5 44.3	2.002	2.829	13.5	18.8

506901 2008 CU_{127} 8 31.7 220°.86 0°.7/ 1.2 17

7 30	23 5.57	− 4 31.9	1.712	2.583	14.2	22.4
8 9	22 59.88	− 4 56.7	1.635	2.577	10.5	22.2
8 19	22 52.04	− 5 34.8	1.581	2.569	6.3	21.9
8 29	22 42.78	− 6 22.3	1.553	2.561	1.7	21.6
9 8	22 33.12	− 7 13.0	1.552	2.553	3.3	21.7
9 18	22 24.14	− 8 0.8	1.578	2.544	7.9	22.0
9 28	22 16.88	− 8 40.0	1.630	2.535	12.1	22.2
10 8	22 12.03	− 9 6.9	1.703	2.525	15.7	22.4

49186 1998 SS_{75} 8 31.7 174°.48 0°.6/ 1.2 18

7 30	23 3.98	− 3 50.9	1.806	2.675	13.7	19.6
8 9	22 58.54	− 4 29.2	1.737	2.677	10.1	19.4
8 19	22 51.17	− 5 21.2	1.692	2.679	6.0	19.2
8 29	22 42.58	− 6 22.2	1.672	2.680	1.6	18.9
9 8	22 33.71	− 7 26.0	1.680	2.681	3.1	19.0
9 18	22 25.55	− 8 26.0	1.716	2.681	7.5	19.3
9 28	22 18.99	− 9 16.6	1.777	2.681	11.4	19.5
10 8	22 14.66	− 9 53.9	1.861	2.680	14.7	19.7

164985 2000 AN_{207} 8 31.7 123°.59 1°.4/ 2.0 18

7 30	23 3.60	− 2 26.3	2.187	3.042	12.2	20.5
8 9	22 57.89	− 2 42.0	2.124	3.055	9.0	20.4
8 19	22 50.63	− 3 9.0	2.085	3.067	5.6	20.2
8 29	22 42.44	− 3 44.2	2.074	3.079	2.1	20.0
9 8	22 34.12	− 4 23.5	2.091	3.091	2.7	20.0
9 18	22 26.44	− 5 2.4	2.136	3.102	6.1	20.3
9 28	22 20.13	− 5 36.8	2.208	3.113	9.4	20.5
10 8	22 15.67	− 6 3.4	2.304	3.124	12.2	20.7

22046 1999 XU_{211} 8 31.7 105°.26 0°.3/31.4 18

7 30	23 4.69	− 9 18.1	2.404	3.274	10.7	17.9
8 9	22 58.57	− 9 18.9	2.338	3.280	7.7	17.7
8 19	22 50.98	− 9 24.7	2.297	3.287	4.4	17.5
8 29	22 42.52	− 9 32.6	2.284	3.293	0.9	17.2
9 8	22 33.92	− 9 39.5	2.300	3.299	2.7	17.4
9 18	22 25.94	− 9 42.8	2.345	3.305	6.1	17.6
9 28	22 19.25	− 9 40.2	2.418	3.311	9.2	17.8
10 8	22 14.32	− 9 30.4	2.514	3.317	11.8	18.0

212949 2009 BV_{23} 8 31.7 200°.77 0°.1/31.6 17

7 30	23 8.74	− 7 44.2	1.388	2.274	16.0	20.3
8 9	23 2.48	− 7 52.6	1.324	2.273	11.8	20.0
8 19	22 53.64	− 8 12.0	1.281	2.272	6.8	19.7
8 29	22 43.13	− 8 37.6	1.262	2.271	1.4	19.4
9 8	22 32.25	− 9 3.1	1.269	2.270	4.1	19.6
9 18	22 22.38	− 9 22.9	1.302	2.268	9.3	19.9
9 28	22 14.72	− 9 32.4	1.358	2.266	13.9	20.1
10 8	22 10.00	− 9 29.3	1.435	2.264	17.8	20.4

271053 2003 FW_{131} 8 31.7 326°.79 3°.4/29.3 17

7 30	23 6.44	−15 13.0	1.532	2.430	14.1	20.1
8 9	23 0.63	−15 45.0	1.471	2.427	10.2	19.8
8 19	22 52.48	−16 20.2	1.432	2.425	6.1	19.6
8 29	22 42.87	−16 51.8	1.419	2.423	3.4	19.4
9 8	22 32.98	−17 13.3	1.431	2.421	5.8	19.6
9 18	22 24.04	−17 20.1	1.469	2.419	10.0	19.8
9 28	22 17.12	−17 10.1	1.531	2.417	13.9	20.0
10 8	22 12.88	−16 43.6	1.612	2.416	17.3	20.3

352237 2007 TY_{125} 8 31.7 328°.34 0°.9/ 1.5 18

7 30	23 0.31	− 3 56.8	1.544	2.428	14.8	20.7
8 9	22 56.24	− 4 18.6	1.469	2.416	11.0	20.4
8 19	22 50.02	− 4 55.7	1.416	2.405	6.6	20.2
8 29	22 42.37	− 5 43.9	1.386	2.394	2.0	19.8
9 8	22 34.29	− 6 37.0	1.383	2.384	3.4	19.9
9 18	22 26.90	− 7 28.1	1.405	2.375	8.2	20.2
9 28	22 21.24	− 8 10.7	1.450	2.366	12.6	20.4
10 8	22 18.01	− 8 40.1	1.517	2.358	16.4	20.6

75573 2000 AE_{8} 8 31.7 122°.26 1°.8/30.3 18

7 30	23 7.52	−11 8.9	1.697	2.582	13.7	19.0
8 9	23 1.06	−11 45.0	1.644	2.595	9.8	18.8
8 19	22 52.57	−12 27.6	1.615	2.607	5.5	18.6
8 29	22 42.88	−13 10.5	1.612	2.619	1.9	18.4
9 8	22 33.06	−13 47.7	1.636	2.631	4.4	18.6
9 18	22 24.19	−14 14.2	1.688	2.642	8.5	18.8
9 28	22 17.20	−14 27.1	1.764	2.653	12.3	19.1
10 8	22 12.64	−14 25.4	1.862	2.663	15.4	19.3

220864 2004 VV_{95} 8 31.7 266°.18 3°.1/28.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 2.63	−16 59.9	2.341	3.229	10.3	20.3
8 9	22 57.26	−17 35.0	2.270	3.221	7.4	20.2
8 19	22 50.33	−18 11.1	2.223	3.213	4.6	20.0
8 29	22 42.41	−18 43.5	2.205	3.204	3.1	19.9
9 8	22 34.27	−19 7.6	2.214	3.196	4.9	20.0
9 18	22 26.68	−19 20.2	2.251	3.188	7.8	20.1
9 28	22 20.38	−19 19.4	2.313	3.179	10.7	20.3
10 8	22 15.90	−19 4.9	2.398	3.170	13.2	20.5

149118 2002 CS_{310} 8 31.7 147°.22 2°.4/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.41	−14 10.6	2.406	3.292	10.1	20.4
8 9	22 56.27	−14 58.3	2.346	3.297	7.2	20.3
8 19	22 49.70	−15 49.1	2.310	3.302	4.2	20.1
8 29	22 42.27	−16 38.0	2.303	3.306	2.4	20.0
9 8	22 34.68	−17 20.4	2.324	3.310	4.2	20.1
9 18	22 27.65	−17 52.5	2.373	3.314	7.2	20.3
9 28	22 21.86	−18 11.8	2.448	3.318	10.0	20.5
10 8	22 17.77	−18 17.5	2.545	3.322	12.4	20.7

374889 2006 WM_{56} 8 31.7 224°.55 1°.8/30.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 5.40	−10 42.4	1.782	2.668	13.1	21.3
8 9	22 59.69	−11 25.7	1.709	2.660	9.4	21.0
8 19	22 51.92	−12 17.1	1.659	2.652	5.4	20.8
8 29	22 42.77	−13 10.7	1.636	2.644	1.9	20.5
9 8	22 33.26	−13 59.8	1.640	2.634	4.4	20.7
9 18	22 24.44	−14 38.6	1.671	2.625	8.6	20.9
9 28	22 17.30	−15 3.1	1.727	2.615	12.5	21.1
10 8	22 12.51	−15 11.6	1.804	2.605	15.8	21.3

129071 Catriegle 8 31.7 306°.58 5°.9/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.84	+10 0.1	2.252	3.050	13.8	19.6
8 9	22 56.79	+10 32.5	2.168	3.045	11.4	19.4
8 19	22 50.12	+10 47.5	2.105	3.040	8.8	19.2
8 29	22 42.38	+10 44.2	2.067	3.035	6.6	19.1
9 8	22 34.31	+10 24.2	2.056	3.030	5.9	19.0
9 18	22 26.70	+ 9 50.6	2.071	3.025	7.2	19.1
9 28	22 20.34	+ 9 8.5	2.112	3.020	9.6	19.3
10 8	22 15.81	+ 8 23.6	2.177	3.016	12.2	19.4

387008 2012 RW_{12} 8 31.7 25°.08 7°.4/27.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 10.86	−25 47.6	1.427	2.325	14.9	19.2
8 9	23 3.87	−26 17.9	1.382	2.330	11.4	19.0
8 19	22 54.29	−26 39.0	1.359	2.336	8.5	18.9
8 29	22 43.24	−26 42.6	1.360	2.342	7.5	18.9
9 8	22 32.18	−26 23.2	1.385	2.349	9.3	19.0
9 18	22 22.49	−25 39.9	1.435	2.356	12.5	19.2
9 28	22 15.26	−24 35.0	1.507	2.364	15.8	19.4
10 8	22 11.07	−23 13.1	1.597	2.372	18.7	19.6

63201 2000 YH_{129} 8 31.7 153°.91 0°.9/30.6 18 R

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.74	− 9 23.8	2.461	3.338	10.3	19.7
8 9	22 55.76	−10 0.9	2.394	3.341	7.3	19.5
8 19	22 49.41	−10 44.1	2.353	3.345	4.1	19.4
8 29	22 42.21	−11 29.5	2.339	3.348	1.1	19.1
9 8	22 34.85	−12 12.6	2.355	3.351	3.1	19.3
9 18	22 28.01	−12 49.5	2.398	3.354	6.3	19.5
9 28	22 22.33	−13 17.0	2.469	3.356	9.3	19.7
10 8	22 18.27	−13 33.5	2.562	3.359	11.8	19.9

478547 2012 TF_{26} 8 31.7 12°.73 0°.6/31.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.10	− 6 45.6	1.187	2.093	16.7	20.4
8 9	22 55.64	− 7 29.4	1.136	2.097	12.1	20.1
8 19	22 49.74	− 8 28.8	1.106	2.101	6.9	19.8
8 29	22 42.31	− 9 36.3	1.098	2.107	1.4	19.5
9 8	22 34.63	−10 42.2	1.113	2.114	4.5	19.7
9 18	22 27.98	−11 37.9	1.153	2.122	9.7	20.1
9 28	22 23.47	−12 16.8	1.214	2.131	14.4	20.4
10 8	22 21.74	−12 35.9	1.294	2.141	18.3	20.7

444729 2007 FQ_{48} 8 31.7 198°.68 0°.1/31.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.37	− 5 55.6	2.628	3.492	10.1	22.7
8 9	22 55.47	− 6 26.6	2.551	3.490	7.3	22.5
8 19	22 49.24	− 7 5.6	2.499	3.487	4.3	22.3
8 29	22 42.19	− 7 49.5	2.475	3.484	0.9	22.0
9 8	22 34.94	− 8 34.3	2.481	3.481	2.4	22.1
9 18	22 28.13	− 9 16.1	2.515	3.477	5.7	22.4
9 28	22 22.38	− 9 51.3	2.577	3.473	8.6	22.5
10 8	22 18.14	−10 17.5	2.663	3.468	11.2	22.7

487038 2014 OT_{39} 8 31.7 244°.73 2°.5/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.88	−14 16.7	2.488	3.376	9.8	21.5
8 9	22 55.24	−15 14.3	2.415	3.367	7.0	21.3
8 19	22 49.17	−16 15.7	2.366	3.358	4.1	21.1
8 29	22 42.19	−17 16.1	2.346	3.348	2.5	21.0
9 8	22 34.96	−18 10.1	2.354	3.339	4.4	21.1
9 18	22 28.18	−18 53.6	2.391	3.329	7.3	21.2
9 28	22 22.53	−19 23.5	2.453	3.319	10.1	21.4
10 8	22 18.52	−19 38.8	2.537	3.309	12.6	21.6

228880 2003 OA_8 8 31.7 3°.07 15°.7/18.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 0.68	+31 41.9	1.758	2.421	21.5	19.2
8 9	22 56.72	+33 34.5	1.691	2.420	20.1	19.1
8 19	22 50.44	+34 55.0	1.638	2.421	18.6	18.9
8 29	22 42.51	+35 36.7	1.601	2.422	17.2	18.9
9 8	22 34.00	+35 36.8	1.581	2.425	16.2	18.8
9 18	22 26.10	+34 56.3	1.579	2.429	15.7	18.8
9 28	22 19.99	+33 41.3	1.596	2.434	16.0	18.8
10 8	22 16.53	+32 2.0	1.631	2.440	16.9	18.9

164676 1997 EL_7 8 31.7 147°.41 1°.0/ 1.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.46	− 1 14.4	2.244	3.098	12.0	20.5
8 9	22 56.38	− 2 11.3	2.177	3.107	8.9	20.4
8 19	22 49.81	− 3 21.9	2.133	3.116	5.4	20.2
8 29	22 42.32	− 4 41.7	2.118	3.125	1.8	19.9
9 8	22 34.66	− 6 4.9	2.132	3.133	2.6	20.0
9 18	22 27.56	− 7 25.3	2.175	3.140	6.1	20.2
9 28	22 21.72	− 8 37.4	2.245	3.147	9.4	20.5
10 8	22 17.65	− 9 37.3	2.340	3.153	12.3	20.7

373448 1999 VG_{122} 8 31.7 278°.48 2°.5/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 4.27	−11 25.0	1.498	2.395	14.4	21.8
8 9	22 59.32	−12 16.6	1.421	2.377	10.5	21.5
8 19	22 51.93	−13 18.3	1.365	2.360	6.0	21.2
8 29	22 42.83	−14 22.8	1.335	2.342	2.5	20.9
9 8	22 33.18	−15 21.6	1.330	2.324	5.5	21.1
9 18	22 24.23	−16 7.0	1.351	2.306	10.2	21.3
9 28	22 17.19	−16 34.1	1.395	2.288	14.6	21.5
10 8	22 12.88	−16 40.8	1.458	2.269	18.4	21.7

47547 2000 AM_{121} 8 31.7 107°.64 0°.7/ 1.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.20	− 3 42.6	2.752	3.608	9.9	19.5
8 9	22 55.18	− 4 11.5	2.694	3.627	7.3	19.4
8 19	22 48.99	− 4 48.9	2.660	3.645	4.3	19.2
8 29	22 42.13	− 5 31.8	2.655	3.662	1.3	19.0
9 8	22 35.19	− 6 16.5	2.679	3.680	2.1	19.1
9 18	22 28.75	− 6 59.3	2.732	3.696	5.1	19.3
9 28	22 23.34	− 7 36.9	2.813	3.713	7.8	19.6
10 8	22 19.37	− 8 6.8	2.919	3.729	10.2	19.7

265524 2005 MS_{39} 8 31.7 35°.71 1°.3/30.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.33	− 7 22.6	1.294	2.194	16.0	20.4
8 9	22 57.11	− 8 26.9	1.243	2.200	11.5	20.2
8 19	22 50.54	− 9 45.7	1.212	2.207	6.5	19.9
8 29	22 42.50	−11 10.6	1.206	2.215	1.6	19.6
9 8	22 34.22	−12 31.5	1.224	2.223	4.7	19.9
9 18	22 26.94	−13 39.3	1.267	2.231	9.8	20.2
9 28	22 21.74	−14 27.9	1.333	2.239	14.2	20.5
10 8	22 19.25	−14 54.8	1.418	2.248	17.9	20.7

442298 2011 SQ_{40} 8 31.7 295°.41 4°.4/ 4.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.54	+ 5 4.1	1.906	2.741	14.5	20.8
8 9	22 56.82	+ 5 12.9	1.824	2.733	11.5	20.6
8 19	22 50.26	+ 5 3.5	1.763	2.725	8.2	20.4
8 29	22 42.46	+ 4 36.7	1.726	2.716	5.3	20.2
9 8	22 34.29	+ 3 55.7	1.716	2.708	4.6	20.1
9 18	22 26.66	+ 3 5.3	1.733	2.701	7.2	20.3
9 28	22 20.47	+ 2 12.0	1.775	2.693	10.6	20.5
10 8	22 16.36	+ 1 21.8	1.840	2.685	13.8	20.7

393027 2012 YV_4 8 31.7 245°.65 2°.2/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.58	−11 51.1	1.941	2.831	12.0	20.9
8 9	22 56.75	−12 46.0	1.875	2.828	8.6	20.7
8 19	22 50.15	−13 47.6	1.832	2.826	4.9	20.5
8 29	22 42.42	−14 49.7	1.817	2.823	2.2	20.3
9 8	22 34.44	−15 46.1	1.829	2.820	4.5	20.5
9 18	22 27.09	−16 31.1	1.867	2.817	8.2	20.7
9 28	22 21.21	−17 1.2	1.931	2.814	11.7	20.9
10 8	22 17.39	−17 14.8	2.016	2.811	14.6	21.1

38261 1999 RY_{16} 8 31.7 28°.93 2°.1/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.52	+ 0 30.5	2.139	2.991	12.5	18.6
8 9	22 55.10	+ 0 4.5	2.065	2.992	9.5	18.4
8 19	22 49.14	− 0 36.0	2.015	2.992	6.1	18.2
8 29	22 42.20	− 1 28.2	1.990	2.993	2.8	18.0
9 8	22 35.04	− 2 27.4	1.993	2.994	2.9	18.0
9 18	22 28.41	− 3 28.2	2.025	2.994	6.1	18.2
9 28	22 23.04	− 4 25.2	2.082	2.995	9.5	18.4
10 8	22 19.46	− 5 13.7	2.164	2.996	12.5	18.6

273580 2007 CN_{22} 8 31.7 199°.79 1°.2/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 4.20	− 8 48.0	1.899	2.779	12.6	21.7
8 9	22 58.70	− 9 37.8	1.828	2.776	9.1	21.4
8 19	22 51.30	−10 37.1	1.781	2.773	5.2	21.2
8 29	22 42.68	−11 40.2	1.760	2.769	1.4	20.9
9 8	22 33.75	−12 40.6	1.768	2.764	3.9	21.1
9 18	22 25.48	−13 32.2	1.803	2.759	8.0	21.3
9 28	22 18.76	−14 10.7	1.864	2.754	11.7	21.6
10 8	22 14.20	−14 33.6	1.947	2.748	14.8	21.8

298674 2004 CJ_{107} 8 31.7 297°.82 0°.6/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 3.55	− 8 49.6	1.818	2.701	13.0	20.5
8 9	22 58.32	− 9 6.8	1.742	2.691	9.4	20.3
8 19	22 51.13	− 9 32.3	1.690	2.682	5.4	20.0
8 29	22 42.65	−10 1.9	1.663	2.672	1.2	19.7
9 8	22 33.82	−10 30.3	1.664	2.663	3.6	19.9
9 18	22 25.64	−10 53.0	1.691	2.653	7.8	20.1
9 28	22 19.05	−11 5.9	1.743	2.644	11.7	20.3
10 8	22 14.70	−11 7.0	1.817	2.635	15.1	20.5

252137 2000 YA_{37} 8 31.7 217°.85 3°.5/27.1 18

7 30	23 0.42	−17 47.3	2.571	3.460	9.4	20.8
8 9	22 55.61	−18 57.1	2.502	3.454	6.8	20.6
8 19	22 49.38	−20 8.3	2.460	3.447	4.4	20.4
8 29	22 42.25	−21 15.6	2.447	3.440	3.6	20.4
9 8	22 34.89	−22 13.6	2.462	3.433	5.3	20.5
9 18	22 28.00	−22 58.1	2.504	3.426	7.9	20.6
9 28	22 22.22	−23 26.9	2.572	3.418	10.4	20.8
10 8	22 18.08	−23 39.4	2.662	3.409	12.6	20.9

44112 1998 HS_{13} 8 31.7 67°.14 2°.1/ 2.2 18

7 30	23 5.99	− 2 8.7	1.333	2.210	17.1	18.3
8 9	23 0.38	− 2 14.4	1.281	2.222	12.8	18.0
8 19	22 52.37	− 2 37.5	1.249	2.234	7.9	17.8
8 29	22 42.90	− 3 14.0	1.241	2.246	3.1	17.5
9 8	22 33.24	− 3 57.6	1.257	2.259	3.8	17.6
9 18	22 24.67	− 4 41.0	1.300	2.271	8.6	17.9
9 28	22 18.27	− 5 17.8	1.365	2.284	13.0	18.2
10 8	22 14.67	− 5 43.1	1.451	2.296	16.8	18.5

267150 2000 GJ_{4} 8 31.7 147°.08 18°.8/18.0 17

7 30	23 24.95	−48 45.9	1.220	2.065	20.4	19.6
8 9	23 15.44	−50 39.0	1.203	2.070	19.2	19.6
8 19	23 1.38	−51 54.9	1.204	2.074	18.8	19.5
8 29	22 44.79	−52 19.2	1.222	2.078	19.4	19.6
9 8	22 28.52	−51 46.4	1.257	2.081	20.6	19.7
9 18	22 15.11	−50 21.0	1.308	2.084	22.3	19.8
9 28	22 6.15	−48 13.7	1.374	2.087	24.0	20.0
10 8	22 2.01	−45 37.6	1.452	2.089	25.5	20.2

128260 2003 SP_{298} 8 31.7 343°.17 2°.6/ 2.4 18

7 30	23 7.41	− 2 56.6	1.914	2.772	13.6	19.1
8 9	23 1.02	− 2 9.7	1.835	2.765	10.3	18.9
8 19	22 52.65	− 1 31.8	1.779	2.758	6.7	18.7
8 29	22 42.99	− 1 2.5	1.750	2.752	3.3	18.4
9 8	22 32.97	− 0 40.3	1.748	2.746	3.6	18.4
9 18	22 23.61	− 0 23.1	1.775	2.742	7.1	18.7
9 28	22 15.84	− 0 8.1	1.828	2.737	10.8	18.9
10 8	22 10.31	+ 0 7.9	1.903	2.733	14.0	19.1

43283 2000 EC_{143} 8 31.7 331°.01 8°.7/ 8.5 18

7 30	22 55.00	+13 38.6	1.379	2.203	19.6	17.7
8 9	22 52.77	+13 52.2	1.289	2.178	16.7	17.4
8 19	22 48.27	+13 32.8	1.216	2.155	13.4	17.2
8 29	22 42.10	+12 37.2	1.163	2.132	10.3	16.9
9 8	22 35.28	+11 7.6	1.132	2.111	8.7	16.8
9 18	22 29.01	+ 9 11.5	1.123	2.091	10.1	16.8
9 28	22 24.52	+ 7 1.1	1.137	2.072	13.5	16.9
10 8	22 22.70	+ 4 50.7	1.173	2.055	17.4	17.1

349724 2008 YP_{62} 8 31.7 324°.97 1°.6/30.2 18

7 30	23 0.28	− 8 48.7	1.658	2.551	13.5	21.1
8 9	22 56.08	− 9 50.5	1.591	2.546	9.7	20.9
8 19	22 49.89	−11 3.6	1.546	2.541	5.5	20.6
8 29	22 42.40	−12 21.4	1.528	2.536	1.7	20.4
9 8	22 34.58	−13 35.6	1.536	2.532	4.4	20.5
9 18	22 27.46	−14 39.1	1.570	2.527	8.8	20.8
9 28	22 21.98	−15 26.3	1.628	2.523	12.7	21.0
10 8	22 18.79	−15 54.6	1.706	2.520	16.1	21.2

30305 Severi 8 31.7 1°.85 1°.8/30.1 18 R

7 30	23 1.64	−10 58.1	1.692	2.587	13.2	18.0
8 9	22 56.97	−11 36.9	1.631	2.586	9.5	17.8
8 19	22 50.35	−12 23.3	1.592	2.586	5.4	17.5
8 29	22 42.49	−13 11.2	1.578	2.586	1.9	17.3
9 8	22 34.39	−13 54.2	1.591	2.586	4.4	17.5
9 18	22 27.05	−14 27.0	1.630	2.587	8.5	17.7
9 28	22 21.38	−14 45.7	1.693	2.589	12.3	17.9
10 8	22 17.98	−14 48.7	1.777	2.590	15.5	18.2

214103 2004 PP_{65} 8 31.7 25°.55 2°.0/ 2.1 16

7 30	23 1.51	− 2 8.9	1.221	2.110	17.6	19.5
8 9	22 57.30	− 2 20.4	1.171	2.119	13.1	19.2
8 19	22 50.67	− 2 50.9	1.141	2.129	8.1	19.0
8 29	22 42.56	− 3 35.9	1.133	2.140	3.1	18.7
9 8	22 34.25	− 4 27.9	1.150	2.152	3.8	18.8
9 18	22 27.01	− 5 18.9	1.190	2.165	8.8	19.2
9 28	22 21.92	− 6 1.5	1.253	2.178	13.4	19.5
10 8	22 19.62	− 6 30.6	1.336	2.193	17.3	19.7

235780 2004 VJ_{86} 8 31.7 223°.08 1°.5/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 3.35	−10 6.7	1.938	2.822	12.3	21.6
8 9	22 58.07	−10 51.0	1.866	2.816	8.8	21.4
8 19	22 50.95	−11 43.3	1.818	2.810	5.0	21.2
8 29	22 42.63	−12 38.2	1.796	2.804	1.6	20.9
9 8	22 34.01	−13 29.4	1.803	2.798	4.0	21.1
9 18	22 26.02	−14 11.6	1.836	2.791	7.9	21.3
9 28	22 19.52	−14 40.9	1.895	2.784	11.6	21.5
10 8	22 15.14	−14 55.2	1.976	2.777	14.7	21.7

368872 2006 QE_{128} 8 31.7 334°.68 5°.5/ 4.3 18

7 30	23 3.06	+ 3 50.2	1.250	2.115	18.8	20.7
8 9	22 58.68	+ 4 17.6	1.180	2.108	14.9	20.4
8 19	22 51.67	+ 4 21.5	1.129	2.101	10.6	20.1
8 29	22 42.83	+ 4 1.9	1.100	2.095	6.6	19.9
9 8	22 33.45	+ 3 22.7	1.094	2.089	5.9	19.9
9 18	22 24.92	+ 2 30.9	1.111	2.084	9.4	20.0
9 28	22 18.56	+ 1 35.8	1.150	2.080	13.9	20.3
10 8	22 15.19	+ 0 46.0	1.210	2.076	18.1	20.5

178391 1998 FH_{1} 8 31.7 232°.62 0°.5/31.2 18

7 30	22 59.60	− 6 17.0	2.065	2.943	11.9	20.5
8 9	22 55.23	− 7 13.8	1.996	2.942	8.6	20.3
8 19	22 49.25	− 8 21.5	1.950	2.941	4.9	20.1
8 29	22 42.26	− 9 35.1	1.931	2.941	1.0	19.8
9 8	22 35.03	−10 48.3	1.941	2.940	3.2	20.0
9 18	22 28.36	−11 54.9	1.978	2.939	7.0	20.2
9 28	22 23.00	−12 50.1	2.042	2.938	10.5	20.5
10 8	22 19.50	−13 30.7	2.128	2.937	13.5	20.7

215393 2002 CH_{149} 8 31.7 250°.84 1°.0/30.9 17

7 30	23 5.60	− 8 7.4	1.470	2.358	15.1	21.2
8 9	23 0.26	− 8 46.8	1.396	2.348	11.1	21.0
8 19	22 52.46	− 9 38.7	1.344	2.337	6.3	20.7
8 29	22 42.99	−10 37.1	1.318	2.327	1.4	20.3
9 8	22 33.03	−11 34.1	1.317	2.315	4.4	20.5
9 18	22 23.84	−12 22.0	1.342	2.304	9.5	20.8
9 28	22 16.63	−12 55.3	1.390	2.292	14.0	21.0
10 8	22 12.18	−13 11.0	1.458	2.280	17.9	21.2

398667 2012 UO_{146} 8 31.7 240°.25 6°.3/ 7.2 18

7 30	23 1.42	+11 53.9	2.027	2.822	15.2	21.3
8 9	22 56.71	+11 58.6	1.939	2.813	12.6	21.1
8 19	22 50.21	+11 40.7	1.871	2.804	9.8	20.9
8 29	22 42.49	+10 59.9	1.827	2.795	7.3	20.8
9 8	22 34.39	+ 9 58.8	1.809	2.786	6.3	20.7
9 18	22 26.78	+ 8 42.5	1.818	2.776	7.7	20.8
9 28	22 20.53	+ 7 18.5	1.852	2.767	10.4	20.9
10 8	22 16.29	+ 5 54.6	1.911	2.757	13.3	21.1

186445 2002 SP_{22} 8 31.7 329°.84 2°.5/29.9 18

7 30	23 0.33	−10 53.8	1.124	2.039	16.7	19.7
8 9	22 56.99	−11 35.8	1.056	2.021	12.2	19.4
8 19	22 50.82	−12 30.5	1.006	2.004	7.0	19.0
8 29	22 42.67	−13 29.7	0.979	1.987	2.6	18.7
9 8	22 33.90	−14 23.2	0.975	1.972	6.0	18.9
9 18	22 26.02	−15 2.1	0.993	1.958	11.6	19.2
9 28	22 20.46	−15 20.1	1.032	1.945	16.7	19.4
10 8	22 18.11	−15 15.1	1.087	1.933	21.1	19.6

43887 1995 OS_{4} 8 31.7 108°.18 1°.6/ 1.9 18

7 30	23 7.72	− 3 42.8	1.821	2.683	13.9	19.6
8 9	23 1.14	− 3 35.8	1.761	2.695	10.4	19.4
8 19	22 52.65	− 3 39.9	1.724	2.707	6.3	19.2
8 29	22 43.00	− 3 52.7	1.713	2.719	2.3	19.0
9 8	22 33.19	− 4 10.2	1.730	2.730	3.1	19.1
9 18	22 24.22	− 4 28.2	1.775	2.742	7.1	19.4
9 28	22 16.98	− 4 42.6	1.845	2.752	10.8	19.6
10 8	22 12.03	− 4 50.3	1.938	2.763	14.0	19.8

315806 2008 GX_{38} 8 31.7 46°.24 4°.4/27.3 18

7 30	23 1.81	−18 59.7	1.968	2.866	11.4	20.2
8 9	22 56.83	−19 58.0	1.920	2.874	8.3	20.0
8 19	22 50.15	−20 55.8	1.896	2.883	5.5	19.8
8 29	22 42.45	−21 46.6	1.899	2.893	4.4	19.8
9 8	22 34.64	−22 24.5	1.929	2.902	6.3	19.9
9 18	22 27.58	−22 45.9	1.984	2.912	9.2	20.1
9 28	22 22.05	−22 49.3	2.064	2.921	12.1	20.3
10 8	22 18.57	−22 35.3	2.164	2.931	14.6	20.5

42225 2001 DV_{72} 8 31.7 37°.72 0°.1/31.6 18

7 30	22 58.47	− 5 13.4	2.087	2.962	11.9	18.8
8 9	22 54.36	− 6 7.9	2.022	2.967	8.6	18.6
8 19	22 48.74	− 7 13.7	1.982	2.972	4.9	18.4
8 29	22 42.17	− 8 25.8	1.968	2.977	1.0	18.1
9 8	22 35.41	− 9 38.2	1.983	2.983	2.9	18.3
9 18	22 29.22	−10 45.0	2.025	2.988	6.7	18.5
9 28	22 24.31	−11 41.2	2.094	2.994	10.1	18.7
10 8	22 21.19	−12 23.6	2.185	3.000	13.0	18.9

15140 2000 EB_{97} 8 31.7 97°.11 0°.8/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 7.12	− 8 51.4	1.594	2.478	14.4	17.9
8 9	23 0.91	− 9 13.2	1.541	2.490	10.4	17.7
8 19	22 52.58	− 9 43.6	1.510	2.502	5.9	17.5
8 29	22 42.99	−10 17.5	1.505	2.514	1.3	17.2
9 8	22 33.27	−10 48.9	1.527	2.525	3.9	17.4
9 18	22 24.52	−11 12.8	1.575	2.537	8.3	17.7
9 28	22 17.70	−11 25.5	1.648	2.548	12.3	18.0
10 8	22 13.40	−11 25.5	1.742	2.559	15.7	18.2

341087 2007 HN_{97} 8 31.7 201°.09 2°.9/28.9 16

7 30	23 2.88	−12 40.4	1.712	2.607	13.0	20.4
8 9	22 57.92	−13 48.5	1.650	2.606	9.3	20.2
8 19	22 50.94	−15 3.7	1.612	2.605	5.4	20.0
8 29	22 42.67	−16 18.5	1.599	2.604	2.9	19.8
9 8	22 34.12	−17 24.8	1.614	2.603	5.4	20.0
9 18	22 26.32	−18 16.4	1.655	2.601	9.3	20.2
9 28	22 20.21	−18 49.3	1.720	2.599	13.0	20.4
10 8	22 16.42	−19 2.4	1.805	2.598	16.1	20.6

344131 1999 YE_{10} 8 31.7 271°.92 1°.1/ 1.7 18

7 30	23 1.82	− 2 57.4	1.878	2.746	13.3	21.4
8 9	22 57.11	− 3 26.2	1.793	2.731	10.0	21.2
8 19	22 50.50	− 4 9.3	1.730	2.716	6.1	20.9
8 29	22 42.60	− 5 3.1	1.693	2.700	2.0	20.6
9 8	22 34.27	− 6 2.2	1.683	2.685	3.0	20.7
9 18	22 26.47	− 7 0.4	1.701	2.669	7.3	20.9
9 28	22 20.11	− 7 51.7	1.744	2.653	11.3	21.1
10 8	22 15.87	− 8 31.4	1.810	2.637	14.7	21.3

516232 2016 UU_{33} 8 31.7 5°.85 6°.6/ 7.1 18

7 30	23 0.00	+10 55.7	1.741	2.554	16.6	20.6
8 9	22 55.84	+11 6.8	1.667	2.554	13.7	20.4
8 19	22 49.76	+10 53.5	1.614	2.555	10.5	20.2
8 29	22 42.43	+10 15.5	1.582	2.556	7.7	20.1
9 8	22 34.77	+ 9 16.2	1.576	2.557	6.6	20.0
9 18	22 27.76	+ 8 1.7	1.595	2.558	8.1	20.1
9 28	22 22.31	+ 6 40.1	1.639	2.560	11.1	20.3
10 8	22 19.05	+ 5 20.1	1.706	2.562	14.1	20.5

131042 2000 YF_{16} 8 31.7 241°.02 1°.5/ 2.2 18

7 30	23 2.98	− 1 34.9	2.095	2.950	12.6	20.1
8 9	22 57.78	− 1 57.7	2.007	2.937	9.5	19.9
8 19	22 50.82	− 2 34.0	1.942	2.923	6.0	19.6
8 29	22 42.67	− 3 21.2	1.903	2.909	2.3	19.4
9 8	22 34.12	− 4 14.4	1.893	2.894	2.9	19.4
9 18	22 26.06	− 5 8.5	1.911	2.879	6.6	19.6
9 28	22 19.32	− 5 58.0	1.956	2.863	10.3	19.8
10 8	22 14.54	− 6 38.5	2.024	2.847	13.6	20.0

154079 2002 CJ_{224} 8 31.7 140°.47 0°.4/31.2 18

7 30	23 0.38	− 7 11.9	2.641	3.510	9.9	21.6
8 9	22 55.44	− 7 56.2	2.577	3.519	7.1	21.4
8 19	22 49.24	− 8 47.8	2.539	3.529	4.0	21.2
8 29	22 42.29	− 9 42.7	2.528	3.537	0.8	21.0
9 8	22 35.20	−10 36.7	2.548	3.546	2.6	21.2
9 18	22 28.60	−11 25.5	2.596	3.554	5.7	21.4
9 28	22 23.07	−12 5.9	2.672	3.562	8.6	21.6
10 8	22 19.05	−12 35.7	2.772	3.569	11.0	21.8

41853 2000 WY_{87} 8 31.7 335°.78 8°.1/26.5 18

7 30	23 2.08	−21 21.6	1.010	1.937	17.0	17.1
8 9	22 58.59	−22 31.4	0.954	1.921	12.9	16.8
8 19	22 51.87	−23 40.5	0.916	1.905	9.2	16.5
8 29	22 42.94	−24 35.7	0.899	1.891	8.2	16.4
9 8	22 33.44	−25 5.0	0.903	1.879	11.1	16.5
9 18	22 25.13	−25 1.8	0.927	1.867	15.5	16.7
9 28	22 19.58	−24 25.1	0.969	1.857	19.9	17.0
10 8	22 17.62	−23 19.3	1.027	1.849	23.8	17.2

485832 2012 DH_{72} 8 31.7 253°.09 2°.8/28.0 18

7 30	23 1.01	−15 36.3	2.678	3.563	9.2	22.2
8 9	22 56.10	−16 40.4	2.592	3.542	6.7	22.0
8 19	22 49.75	−17 48.1	2.531	3.521	4.1	21.8
8 29	22 42.44	−18 54.3	2.500	3.499	2.9	21.7
9 8	22 34.81	−19 53.8	2.497	3.476	4.6	21.8
9 18	22 27.53	−20 42.3	2.524	3.454	7.4	21.9
9 28	22 21.29	−21 16.8	2.576	3.430	10.1	22.1
10 8	22 16.62	−21 36.0	2.651	3.406	12.5	22.2

509197 2006 RA_{37} 8 31.7 354°.37 4°.6/28.9 18

7 30	23 3.26	−17 56.4	1.275	2.189	15.2	19.6
8 9	22 58.73	−18 17.3	1.218	2.181	11.2	19.3
8 19	22 51.62	−18 38.3	1.182	2.175	7.0	19.1
8 29	22 42.86	−18 51.9	1.169	2.171	4.6	18.9
9 8	22 33.82	−18 51.4	1.180	2.168	7.1	19.1
9 18	22 25.84	−18 33.0	1.214	2.166	11.4	19.3
9 28	22 20.12	−17 55.7	1.269	2.166	15.5	19.5
10 8	22 17.33	−17 1.2	1.343	2.167	19.1	19.8

432260 2009 RD_{63} 8 31.7 294°.38 1°.3/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 53.50	+ 0 37.0	4.238	5.072	7.2	21.0
8 9	22 50.20	+ 0 12.4	4.146	5.062	5.4	20.9
8 19	22 46.16	− 0 19.9	4.078	5.051	3.5	20.7
8 29	22 41.66	− 0 58.2	4.040	5.040	1.8	20.6
9 8	22 37.02	− 1 40.6	4.030	5.029	1.7	20.5
9 18	22 32.60	− 2 24.5	4.051	5.018	3.5	20.7
9 28	22 28.74	− 3 7.4	4.100	5.008	5.4	20.8
10 8	22 25.73	− 3 47.0	4.176	4.997	7.1	20.9

443467 2014 JM_1 8 31.7 39°.90 1°.4/30.4 18

7 30	23 1.39	− 9 43.2	1.881	2.768	12.4	21.3
8 9	22 56.65	−10 28.4	1.819	2.771	8.9	21.1
8 19	22 50.14	−11 21.6	1.780	2.774	5.0	20.9
8 29	22 42.53	−12 17.3	1.768	2.777	1.5	20.7
9 8	22 34.71	−13 9.4	1.784	2.780	3.9	20.8
9 18	22 27.58	−13 52.5	1.826	2.783	7.8	21.1
9 28	22 21.94	−14 22.5	1.893	2.786	11.4	21.3
10 8	22 18.36	−14 37.7	1.982	2.789	14.4	21.5

128869 2004 SU_{33} 8 31.7 274°.80 0°.6/ 1.4 18

7 30	22 58.68	− 3 10.9	2.342	3.206	11.2	19.9
8 9	22 54.53	− 3 59.0	2.253	3.190	8.3	19.7
8 19	22 48.89	− 4 59.6	2.189	3.175	4.9	19.4
8 29	22 42.28	− 6 9.0	2.152	3.160	1.4	19.2
9 8	22 35.35	− 7 22.1	2.143	3.144	2.5	19.2
9 18	22 28.82	− 8 33.2	2.164	3.129	6.2	19.4
9 28	22 23.40	− 9 37.0	2.211	3.113	9.5	19.6
10 8	22 19.63	−10 29.5	2.281	3.097	12.5	19.8

416016 2002 CW_{135} 8 31.7 274°.90 3°.2/ 2.8 18

7 30	23 6.29	− 0 25.2	1.391	2.260	17.0	21.1
8 9	23 0.95	− 0 13.7	1.313	2.248	13.1	20.8
8 19	22 53.00	− 0 20.2	1.255	2.235	8.6	20.5
8 29	22 43.22	− 0 43.2	1.220	2.223	4.2	20.2
9 8	22 32.82	− 1 18.0	1.211	2.210	4.3	20.2
9 18	22 23.17	− 1 58.2	1.226	2.198	8.9	20.5
9 28	22 15.57	− 2 36.6	1.265	2.185	13.7	20.7
10 8	22 10.88	− 3 6.8	1.324	2.173	17.9	20.9

7700 Rote Kapelle 8 31.7 184°.04 1°.6/30.2 18

7 30	23 3.47	−10 47.2	1.994	2.878	12.0	18.0
8 9	22 58.10	−11 29.5	1.928	2.878	8.6	17.8
8 19	22 50.96	−12 18.6	1.885	2.878	4.9	17.6
8 29	22 42.72	−13 9.1	1.870	2.878	1.7	17.4
9 8	22 34.24	−13 55.3	1.883	2.877	4.0	17.5
9 18	22 26.42	−14 32.3	1.923	2.876	7.7	17.8
9 28	22 20.07	−14 56.6	1.988	2.875	11.2	18.0
10 8	22 15.77	−15 6.5	2.075	2.874	14.1	18.2

405014 2001 CZ_{28} 8 31.7 228°.74 0°.7/ 1.4 17

7 30	23 7.98	− 6 28.0	2.506	3.360	10.8	20.6
8 9	23 1.07	− 6 10.0	2.421	3.354	8.0	20.4
8 19	22 52.58	− 5 57.7	2.362	3.347	4.8	20.2
8 29	22 43.08	− 5 49.5	2.332	3.340	1.4	19.9
9 8	22 33.32	− 5 43.0	2.333	3.333	2.5	20.0
9 18	22 24.09	− 5 36.2	2.363	3.325	5.9	20.2
9 28	22 16.11	− 5 26.7	2.422	3.318	9.1	20.4
10 8	22 9.92	− 5 12.9	2.505	3.310	11.8	20.6

307181 2002 EH_{69} 8 31.7 157°.30 1°.8/ 2.7 18

7 30	23 2.31	+ 0 13.6	2.046	2.897	13.1	20.3
8 9	22 57.20	− 0 22.9	1.976	2.902	9.9	20.1
8 19	22 50.43	− 1 14.8	1.928	2.907	6.2	19.9
8 29	22 42.61	− 2 18.4	1.908	2.912	2.7	19.7
9 8	22 34.57	− 3 28.3	1.915	2.916	2.9	19.7
9 18	22 27.14	− 4 38.5	1.951	2.920	6.4	20.0
9 28	22 21.09	− 5 42.9	2.014	2.923	10.0	20.2
10 8	22 16.97	− 6 36.9	2.100	2.926	13.0	20.4

42773 1998 UN_{15} 8 31.7 347°.59 1°.1/30.7 18

7 30	22 59.13	− 9 14.1	1.733	2.626	13.0	18.2
8 9	22 55.21	− 9 48.5	1.664	2.619	9.4	17.9
8 19	22 49.41	−10 32.0	1.618	2.612	5.3	17.7
8 29	22 42.41	−11 19.5	1.597	2.605	1.4	17.4
9 8	22 35.10	−12 4.7	1.602	2.600	3.9	17.6
9 18	22 28.46	−12 42.0	1.633	2.595	8.1	17.8
9 28	22 23.35	−13 7.0	1.689	2.592	11.9	18.0
10 8	22 20.40	−13 17.4	1.765	2.589	15.2	18.2

182462 2001 SY_{82} 8 31.7 43°.80 1°.1/ 1.6 17

7 30	23 2.90	− 3 11.3	1.225	2.115	17.5	20.1
8 9	22 58.27	− 3 42.1	1.182	2.131	12.9	19.9
8 19	22 51.24	− 4 31.0	1.158	2.148	7.7	19.6
8 29	22 42.79	− 5 32.0	1.157	2.165	2.3	19.4
9 8	22 34.23	− 6 36.2	1.181	2.183	3.7	19.5
9 18	22 26.81	− 7 35.3	1.229	2.201	8.9	19.9
9 28	22 21.59	− 8 22.1	1.300	2.220	13.4	20.2
10 8	22 19.14	− 8 52.6	1.391	2.239	17.2	20.5

120935 1998 SG_{150} 8 31.7 271°.69 1°.8/ 2.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 59.15	− 0 6.6	2.320	3.172	11.7	20.0
8 9	22 54.83	− 0 33.7	2.238	3.165	8.9	19.9
8 19	22 49.05	− 1 14.1	2.179	3.158	5.7	19.6
8 29	22 42.33	− 2 5.2	2.147	3.151	2.5	19.4
9 8	22 35.34	− 3 2.6	2.143	3.144	2.6	19.4
9 18	22 28.80	− 4 1.5	2.168	3.137	5.8	19.6
9 28	22 23.40	− 4 56.7	2.219	3.129	9.1	19.8
10 8	22 19.66	− 5 44.1	2.294	3.122	12.0	20.0

510193 2011 CA_{28} 8 31.7 274°.38 2°.4/ 2.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 5.61	− 1 35.8	1.569	2.436	15.5	22.1
8 9	23 0.27	− 1 33.1	1.484	2.419	11.9	21.8
8 19	22 52.54	− 1 46.1	1.420	2.402	7.6	21.5
8 29	22 43.14	− 2 12.7	1.381	2.385	3.3	21.2
9 8	22 33.13	− 2 48.4	1.367	2.368	3.8	21.2
9 18	22 23.75	− 3 27.3	1.380	2.351	8.3	21.4
9 28	22 16.16	− 4 3.0	1.417	2.333	12.8	21.7
10 8	22 11.21	− 4 30.2	1.475	2.315	16.8	21.9

377115 2002 XS_{30} 8 31.7 310°.62 6°.2/ 3.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 5.77	+ 2 57.2	1.320	2.181	18.3	20.2
8 9	23 1.00	+ 3 55.7	1.226	2.151	14.7	19.9
8 19	22 53.32	+ 4 37.1	1.151	2.120	10.7	19.6
8 29	22 43.37	+ 4 59.0	1.097	2.090	7.0	19.3
9 8	22 32.36	+ 5 1.6	1.068	2.060	6.7	19.2
9 18	22 21.78	+ 4 48.1	1.062	2.031	10.3	19.3
9 28	22 13.22	+ 4 25.1	1.078	2.003	15.1	19.5
10 8	22 7.83	+ 4 0.6	1.113	1.975	19.6	19.7

520544 2014 MF_{76} 8 31.7 140°.86 1°.9/ 2.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.83	− 0 26.9	2.665	3.506	10.7	21.7
8 9	22 56.50	− 0 34.2	2.594	3.515	8.1	21.6
8 19	22 49.89	− 0 51.8	2.548	3.523	5.2	21.4
8 29	22 42.50	− 1 17.7	2.529	3.530	2.5	21.2
9 8	22 34.97	− 1 49.0	2.539	3.538	2.5	21.2
9 18	22 27.91	− 2 22.1	2.578	3.545	5.2	21.4
9 28	22 21.93	− 2 53.6	2.645	3.552	8.0	21.6
10 8	22 17.46	− 3 20.3	2.737	3.558	10.5	21.8

426094 2012 DB_{88} 8 31.7 237°.86 2°.9/ 2.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 4.57	+ 0 50.7	1.496	2.359	16.4	21.3
8 9	22 59.49	+ 0 35.6	1.421	2.352	12.6	21.1
8 19	22 52.06	+ 0 0.2	1.366	2.345	8.2	20.8
8 29	22 43.03	− 0 52.6	1.336	2.338	3.9	20.5
9 8	22 33.52	− 1 56.8	1.331	2.331	3.9	20.5
9 18	22 24.75	− 3 4.5	1.352	2.323	8.3	20.8
9 28	22 17.87	− 4 7.7	1.397	2.315	12.8	21.0
10 8	22 13.63	− 4 59.7	1.463	2.307	16.7	21.2

125602 2001 XH_{47} 8 31.7 60°.19 1°.4/30.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.35	−12 1.8	1.468	2.356	15.2	18.4
8 9	23 4.00	−11 55.1	1.423	2.375	11.0	18.2
8 19	22 54.37	−11 53.0	1.401	2.393	6.2	18.0
8 29	22 43.47	−11 50.9	1.404	2.413	1.7	17.8
9 8	22 32.59	−11 44.6	1.434	2.432	4.3	18.0
9 18	22 22.97	−11 30.9	1.490	2.451	8.8	18.3
9 28	22 15.60	−11 8.2	1.571	2.471	12.9	18.6
10 8	22 11.01	−10 36.3	1.673	2.490	16.2	18.9

255427 2005 XH_{73} 8 31.7 203°.45 4°.9/25.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.19	−23 2.3	2.467	3.358	9.7	20.2
8 9	22 56.98	−24 4.7	2.409	3.355	7.3	20.1
8 19	22 50.26	−25 4.4	2.376	3.353	5.4	19.9
8 29	22 42.60	−25 55.6	2.371	3.350	5.0	19.9
9 8	22 34.76	−26 33.3	2.393	3.347	6.5	20.0
9 18	22 27.48	−26 54.5	2.442	3.344	8.9	20.2
9 28	22 21.46	−26 58.0	2.515	3.341	11.2	20.3
10 8	22 17.22	−26 44.5	2.608	3.338	13.3	20.5

493824 2015 VR_{119} 8 31.7 303°.77 8°.4/ 9.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.46	+17 32.4	2.155	2.912	15.5	21.1
8 9	22 55.42	+18 1.5	2.050	2.887	13.5	20.9
8 19	22 49.60	+18 7.4	1.965	2.861	11.4	20.7
8 29	22 42.51	+17 47.7	1.901	2.836	9.4	20.6
9 8	22 34.90	+17 2.7	1.861	2.811	8.4	20.5
9 18	22 27.61	+15 55.5	1.846	2.786	9.0	20.5
9 28	22 21.55	+14 32.2	1.856	2.761	10.9	20.5
10 8	22 17.41	+13 1.1	1.890	2.736	13.4	20.6

452466 2003 WM_{16} 8 31.7 299°.04 3°.8/ 5.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.50	+ 5 47.9	2.290	3.116	12.7	20.9
8 9	22 54.46	+ 5 36.8	2.198	3.102	10.1	20.7
8 19	22 48.90	+ 5 8.7	2.129	3.088	7.2	20.5
8 29	22 42.34	+ 4 24.7	2.084	3.074	4.6	20.3
9 8	22 35.45	+ 3 28.3	2.067	3.060	3.9	20.3
9 18	22 28.96	+ 2 24.0	2.078	3.046	6.1	20.4
9 28	22 23.60	+ 1 17.8	2.115	3.032	9.1	20.5
10 8	22 19.92	+ 0 15.3	2.176	3.018	12.0	20.7

273524 2007 BH_{19} 8 31.7 100°.26 3°.7/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.57	−13 59.3	1.589	2.488	13.6	20.1
8 9	22 58.49	−15 20.8	1.539	2.496	9.7	19.9
8 19	22 51.32	−16 47.9	1.512	2.505	5.8	19.7
8 29	22 42.86	−18 11.7	1.512	2.514	3.7	19.5
9 8	22 34.20	−19 23.4	1.538	2.522	6.2	19.7
9 18	22 26.44	−20 16.6	1.589	2.530	10.1	20.0
9 28	22 20.52	−20 47.9	1.664	2.538	13.7	20.2
10 8	22 17.05	−20 57.3	1.758	2.546	16.7	20.4

257719 1999 XO_{154} 8 31.7 256°.68 7°.1/22.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.76	−30 43.2	2.482	3.365	10.0	20.2
8 9	22 57.58	−32 8.0	2.423	3.351	8.2	20.0
8 19	22 50.71	−33 25.7	2.389	3.337	7.2	19.9
8 29	22 42.74	−34 29.5	2.381	3.323	7.5	19.9
9 8	22 34.47	−35 13.9	2.400	3.308	8.9	20.0
9 18	22 26.74	−35 35.9	2.443	3.293	10.8	20.1
9 28	22 20.36	−35 35.0	2.508	3.278	12.8	20.2
10 8	22 15.90	−35 13.0	2.592	3.263	14.6	20.4

167562 2004 BY_{40} 8 31.7 293°.10 4°.8/27.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 5.02	−19 34.4	1.776	2.674	12.5	20.8
8 9	22 59.58	−20 22.3	1.707	2.661	9.3	20.6
8 19	22 52.01	−21 10.2	1.660	2.647	6.1	20.4
8 29	22 43.04	−21 50.8	1.640	2.634	4.9	20.3
9 8	22 33.71	−22 17.5	1.646	2.621	7.0	20.4
9 18	22 25.12	−22 26.1	1.677	2.608	10.4	20.6
9 28	22 18.27	−22 14.8	1.732	2.595	13.8	20.8
10 8	22 13.84	−21 44.6	1.806	2.583	16.7	20.9

21919 Luga 8 31.7 53°.95 3°.4/ 4.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.87	+ 2 52.6	2.119	2.958	13.1	18.8
8 9	22 56.86	+ 2 59.1	2.048	2.962	10.2	18.6
8 19	22 50.25	+ 2 50.9	2.000	2.967	7.0	18.4
8 29	22 42.64	+ 2 29.2	1.977	2.972	4.1	18.2
9 8	22 34.80	+ 1 57.3	1.982	2.977	3.7	18.2
9 18	22 27.54	+ 1 19.5	2.014	2.982	6.3	18.4
9 28	22 21.61	+ 0 40.7	2.072	2.987	9.4	18.6
10 8	22 17.54	+ 0 5.6	2.154	2.992	12.3	18.8

57941 2002 JA_{40} 8 31.7 15°.91 0°.9/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 58.29	− 7 5.7	2.000	2.883	12.0	19.0
8 9	22 54.38	− 8 14.4	1.935	2.885	8.6	18.8
8 19	22 48.86	− 9 34.0	1.894	2.887	4.8	18.6
8 29	22 42.34	−10 58.5	1.880	2.889	1.2	18.3
9 8	22 35.60	−12 21.1	1.894	2.892	3.5	18.5
9 18	22 29.43	−13 35.1	1.936	2.894	7.3	18.8
9 28	22 24.58	−14 35.5	2.003	2.897	10.8	19.0
10 8	22 21.59	−15 19.2	2.093	2.901	13.7	19.2

273489 2007 AU_3 8 31.7 188°.89 5°.2/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 8.70	+ 4 3.1	1.668	2.503	16.2	20.3
8 9	23 2.28	+ 4 45.8	1.594	2.503	12.9	20.1
8 19	22 53.60	+ 5 11.2	1.541	2.503	9.2	19.8
8 29	22 43.41	+ 5 18.7	1.513	2.502	6.0	19.7
9 8	22 32.80	+ 5 10.1	1.512	2.502	5.5	19.6
9 18	22 22.95	+ 4 49.6	1.537	2.501	8.3	19.8
9 28	22 14.94	+ 4 23.0	1.587	2.500	11.9	20.0
10 8	22 9.48	+ 3 56.5	1.659	2.499	15.3	20.2

465604 2009 CT_{43} 8 31.7 143°.65 0°.6/31.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 5.54	− 6 17.8	1.475	2.359	15.4	21.8
8 9	23 0.07	− 7 11.9	1.416	2.365	11.2	21.5
8 19	22 52.31	− 8 20.1	1.379	2.371	6.4	21.3
8 29	22 43.11	− 9 35.6	1.368	2.377	1.3	20.9
9 8	22 33.64	−10 49.6	1.383	2.382	4.1	21.2
9 18	22 25.09	−11 54.2	1.424	2.387	8.9	21.5
9 28	22 18.52	−12 43.2	1.489	2.391	13.3	21.7
10 8	22 14.59	−13 13.8	1.575	2.395	16.9	22.0

392133 2009 FZ_{71} 8 31.7 25°.58 4°.7/ 5.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.33	+ 7 32.5	1.833	2.662	15.2	20.6
8 9	22 55.27	+ 7 18.1	1.762	2.665	12.2	20.4
8 19	22 49.44	+ 6 41.7	1.712	2.669	8.8	20.2
8 29	22 42.48	+ 5 44.9	1.685	2.672	5.8	20.0
9 8	22 35.27	+ 4 32.4	1.685	2.677	4.8	20.0
9 18	22 28.68	+ 3 10.9	1.711	2.681	7.1	20.1
9 28	22 23.55	+ 1 48.3	1.764	2.686	10.3	20.3
10 8	22 20.45	+ 0 31.9	1.839	2.691	13.5	20.6

18554 1997 BO_1 8 31.7 332°.47 1°.4/30.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.26	−10 5.0	1.888	2.776	12.3	17.7
8 9	22 56.64	−10 41.3	1.819	2.771	8.9	17.5
8 19	22 50.23	−11 25.3	1.773	2.766	5.0	17.3
8 29	22 42.66	−12 11.9	1.754	2.762	1.5	17.0
9 8	22 34.83	−12 55.3	1.761	2.758	3.9	17.2
9 18	22 27.62	−13 30.4	1.796	2.754	7.8	17.4
9 28	22 21.90	−13 53.3	1.855	2.750	11.4	17.6
10 8	22 18.24	−14 2.2	1.936	2.747	14.5	17.8

34409 2000 RB_{95} 8 31.7 283°.98 4°.1/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 4.10	−19 10.8	2.060	2.952	11.3	18.8
8 9	22 58.60	−19 52.8	1.994	2.946	8.3	18.6
8 19	22 51.31	−20 34.5	1.953	2.940	5.4	18.4
8 29	22 42.89	−21 9.8	1.939	2.934	4.2	18.4
9 8	22 34.24	−21 33.6	1.952	2.928	6.0	18.5
9 18	22 26.26	−21 42.3	1.992	2.922	9.0	18.6
9 28	22 19.79	−21 34.3	2.056	2.916	12.0	18.8
10 8	22 15.40	−21 10.4	2.141	2.910	14.7	19.0

388988 2008 UG_{77} 8 31.7 345°.57 8°.7/ 7.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.68	+11 45.7	1.299	2.134	20.0	19.1
8 9	22 54.80	+12 20.8	1.225	2.123	16.8	18.9
8 19	22 49.52	+12 25.3	1.169	2.113	13.3	18.6
8 29	22 42.56	+11 56.8	1.133	2.105	10.1	18.4
9 8	22 35.06	+10 57.7	1.118	2.098	8.7	18.3
9 18	22 28.27	+ 9 35.0	1.125	2.092	10.3	18.4
9 28	22 23.44	+ 7 59.9	1.155	2.087	13.6	18.6
10 8	22 21.37	+ 6 24.4	1.204	2.084	17.2	18.8

114815 2003 OO_{9} 8 31.8 259°.25 0°.3/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.89	− 4 56.1	1.849	2.725	13.1	19.8
8 9	22 56.50	− 5 59.8	1.768	2.714	9.6	19.5
8 19	22 50.23	− 7 18.4	1.712	2.702	5.5	19.3
8 29	22 42.70	− 8 46.1	1.681	2.690	1.2	18.9
9 8	22 34.77	−10 15.6	1.679	2.678	3.4	19.1
9 18	22 27.38	−11 38.9	1.704	2.666	7.8	19.3
9 28	22 21.44	−12 49.4	1.754	2.654	11.7	19.6
10 8	22 17.62	−13 42.9	1.826	2.641	15.1	19.8

223399 2003 SQ_{121} 8 31.8 285°.24 1°.4/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.53	− 2 9.3	2.337	3.194	11.4	20.3
8 9	22 55.92	− 2 23.8	2.245	3.176	8.6	20.1
8 19	22 49.77	− 2 49.7	2.176	3.157	5.4	19.8
8 29	22 42.59	− 3 24.7	2.134	3.139	2.1	19.6
9 8	22 35.06	− 4 5.0	2.120	3.120	2.6	19.6
9 18	22 27.92	− 4 46.5	2.134	3.102	6.0	19.8
9 28	22 21.91	− 5 24.5	2.175	3.083	9.4	20.0
10 8	22 17.60	− 5 55.5	2.239	3.065	12.3	20.1

438793 2008 XO_{8} 8 31.8 13°.34 0°.3/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.24	− 5 45.9	1.648	2.532	14.0	21.1
8 9	22 56.81	− 6 35.3	1.584	2.533	10.2	20.9
8 19	22 50.40	− 7 38.2	1.542	2.533	5.9	20.6
8 29	22 42.73	− 8 48.8	1.525	2.534	1.2	20.3
9 8	22 34.77	− 9 59.7	1.535	2.535	3.6	20.5
9 18	22 27.54	−11 3.5	1.572	2.537	8.1	20.8
9 28	22 21.98	−11 54.4	1.633	2.538	12.1	21.0
10 8	22 18.69	−12 28.8	1.715	2.540	15.5	21.2

436601 2011 KJ_{10} 8 31.8 125°.26 2°.5/29.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 4.56	−12 37.4	1.790	2.680	12.8	21.5
8 9	22 59.03	−13 31.6	1.734	2.688	9.2	21.3
8 19	22 51.59	−14 31.4	1.703	2.695	5.3	21.0
8 29	22 42.98	−15 30.2	1.697	2.703	2.6	20.9
9 8	22 34.18	−16 21.3	1.719	2.710	4.9	21.1
9 18	22 26.19	−16 59.4	1.768	2.717	8.7	21.3
9 28	22 19.88	−17 21.4	1.841	2.723	12.2	21.5
10 8	22 15.83	−17 26.4	1.936	2.729	15.2	21.8

399914 2005 XP_{82} 8 31.8 196°.17 9°.4/14.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.77	+27 39.6	2.883	3.527	14.1	21.9
8 9	22 57.44	+28 28.4	2.794	3.525	12.8	21.8
8 19	22 50.62	+28 55.8	2.723	3.523	11.5	21.7
8 29	22 42.78	+28 59.3	2.672	3.520	10.3	21.6
9 8	22 34.60	+28 38.5	2.645	3.516	9.5	21.6
9 18	22 26.79	+27 54.9	2.641	3.513	9.4	21.6
9 28	22 20.05	+26 52.7	2.662	3.509	10.1	21.6
10 8	22 14.94	+25 38.0	2.707	3.505	11.2	21.7

122864 2000 SJ_{135} 8 31.8 247°.74 2°.8/ 3.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 5.06	+ 0 14.8	1.861	2.712	14.1	19.9
8 9	22 59.52	+ 0 19.7	1.777	2.702	10.9	19.7
8 19	22 51.98	+ 0 9.8	1.716	2.692	7.2	19.4
8 29	22 43.10	− 0 13.2	1.681	2.681	3.6	19.2
9 8	22 33.79	− 0 45.7	1.672	2.671	3.6	19.2
9 18	22 25.05	− 1 22.8	1.691	2.660	7.2	19.4
9 28	22 17.84	− 1 59.0	1.735	2.648	11.0	19.6
10 8	22 12.86	− 2 29.4	1.802	2.637	14.5	19.8

473532 2015 XC_{168} 8 31.8 239°.45 14°.8/11.9 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 7.24	+23 33.4	1.391	2.135	23.1	21.5
8 9	23 2.05	+25 5.3	1.315	2.128	20.9	21.3
8 19	22 53.92	+26 3.2	1.253	2.120	18.4	21.1
8 29	22 43.60	+26 19.0	1.208	2.112	16.3	20.9
9 8	22 32.40	+25 49.1	1.183	2.103	15.0	20.8
9 18	22 21.87	+24 36.2	1.178	2.094	15.1	20.8
9 28	22 13.57	+22 50.2	1.194	2.085	16.7	20.9
10 8	22 8.53	+20 45.8	1.229	2.075	19.1	21.0

243470 2009 SR_{175} 8 31.8 302°.56 12°.4/16.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 1.61	+31 41.4	2.381	3.008	17.2	20.1
8 9	22 57.04	+32 52.7	2.288	2.994	16.0	19.9
8 19	22 50.61	+33 38.5	2.211	2.981	14.7	19.8
8 29	22 42.82	+33 54.1	2.151	2.967	13.5	19.7
9 8	22 34.49	+33 37.6	2.110	2.954	12.7	19.6
9 18	22 26.52	+32 49.7	2.091	2.940	12.4	19.6
9 28	22 19.85	+31 34.8	2.094	2.927	12.9	19.6
10 8	22 15.21	+30 0.6	2.117	2.914	13.9	19.6

344640 2003 QO_{25} 8 31.8 35°.69 3°.6/ 3.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.03	+ 1 12.7	1.180	2.059	18.8	19.9
8 9	22 58.36	+ 1 12.1	1.144	2.082	14.3	19.7
8 19	22 51.31	+ 0 48.8	1.126	2.107	9.3	19.5
8 29	22 42.93	+ 0 6.9	1.131	2.133	4.7	19.3
9 8	22 34.52	− 0 46.4	1.159	2.159	4.4	19.4
9 18	22 27.34	− 1 42.5	1.211	2.187	8.5	19.7
9 28	22 22.39	− 2 33.3	1.286	2.215	12.8	20.0
10 8	22 20.21	− 3 12.9	1.382	2.243	16.5	20.3

15428 1998 SV_{128} 8 31.8 29°.39 3°.7/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.89	−18 40.7	2.257	3.148	10.5	18.1
8 9	22 57.56	−19 22.4	2.197	3.148	7.6	17.9
8 19	22 50.66	−20 3.8	2.161	3.148	4.9	17.8
8 29	22 42.79	−20 39.7	2.153	3.149	3.7	17.7
9 8	22 34.76	−21 5.4	2.173	3.149	5.4	17.8
9 18	22 27.35	−21 17.6	2.219	3.150	8.2	18.0
9 28	22 21.31	−21 14.9	2.291	3.150	11.0	18.2
10 8	22 17.13	−20 57.6	2.384	3.150	13.4	18.4

59019 1998 SM_{83} 8 31.8 301°.97 1°.8/ 2.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.35	− 0 40.8	1.742	2.608	14.3	19.4
8 9	22 56.19	− 1 12.1	1.663	2.598	10.8	19.2
8 19	22 50.10	− 2 0.9	1.605	2.588	6.8	18.9
8 29	22 42.71	− 3 3.6	1.573	2.578	2.7	18.6
9 8	22 34.92	− 4 14.0	1.567	2.568	3.1	18.6
9 18	22 27.71	− 5 25.2	1.588	2.559	7.3	18.9
9 28	22 22.03	− 6 29.9	1.633	2.549	11.4	19.1
10 8	22 18.53	− 7 22.6	1.701	2.540	15.0	19.3

250675 2005 OV_{25} 8 31.8 52°.77 1°.3/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.03	− 0 15.6	1.902	2.765	13.4	20.5
8 9	22 54.96	− 1 12.2	1.837	2.771	10.0	20.3
8 19	22 49.24	− 2 25.5	1.795	2.778	6.2	20.1
8 29	22 42.49	− 3 50.7	1.780	2.786	2.3	19.8
9 8	22 35.53	− 5 21.0	1.791	2.793	2.8	19.9
9 18	22 29.20	− 6 48.8	1.831	2.800	6.7	20.2
9 28	22 24.25	− 8 7.5	1.897	2.808	10.4	20.4
10 8	22 21.24	− 9 12.2	1.985	2.816	13.5	20.6

222220 2000 FP_{6} 8 31.8 5°.85 17°.0/27.4 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 27.38	−40 22.4	0.865	1.754	22.9	19.1
8 9	23 17.57	−40 51.9	0.830	1.753	20.0	18.9
8 19	23 2.81	−40 45.4	0.810	1.754	17.7	18.8
8 29	22 45.40	−39 46.5	0.809	1.755	17.0	18.8
9 8	22 28.52	−37 49.9	0.826	1.757	18.3	18.9
9 18	22 14.89	−35 4.2	0.862	1.761	21.0	19.0
9 28	22 6.11	−31 45.7	0.916	1.765	24.1	19.3
10 8	22 2.44	−28 11.5	0.985	1.770	27.1	19.5

195563 2002 JX_{76} 8 31.8 152°.79 2°.1/29.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 5.44	−12 32.3	1.996	2.880	12.0	20.6
8 9	22 59.53	−13 12.5	1.936	2.886	8.6	20.4
8 19	22 51.84	−13 57.4	1.899	2.891	4.9	20.2
8 29	22 43.06	−14 41.7	1.890	2.896	2.1	20.0
9 8	22 34.10	−15 19.9	1.909	2.901	4.3	20.2
9 18	22 25.86	−15 47.6	1.956	2.905	7.9	20.4
9 28	22 19.17	−16 2.0	2.028	2.909	11.3	20.7
10 8	22 14.58	−16 2.2	2.122	2.913	14.1	20.9

91962 1999 VR_{85} 8 31.8 345°.15 0°.0/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.72	− 6 33.3	1.851	2.733	12.9	19.4
8 9	22 56.30	− 6 55.3	1.780	2.728	9.4	19.2
8 19	22 50.08	− 7 27.6	1.732	2.723	5.5	18.9
8 29	22 42.70	− 8 6.1	1.710	2.719	1.2	18.6
9 8	22 35.04	− 8 45.7	1.715	2.715	3.1	18.8
9 18	22 28.00	− 9 21.2	1.746	2.712	7.3	19.0
9 28	22 22.44	− 9 48.1	1.802	2.709	11.1	19.2
10 8	22 18.94	−10 3.5	1.880	2.707	14.3	19.4

513410 2008 SQ_{132} 8 31.8 324°.25 8°.5/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 10.60	−28 6.2	1.491	2.386	14.6	21.2
8 9	23 4.01	−28 50.1	1.434	2.377	11.6	21.0
8 19	22 54.71	−29 23.8	1.398	2.368	9.1	20.8
8 29	22 43.73	−29 38.0	1.387	2.359	8.6	20.8
9 8	22 32.48	−29 26.0	1.399	2.351	10.5	20.9
9 18	22 22.42	−28 45.9	1.436	2.343	13.5	21.0
9 28	22 14.75	−27 39.9	1.493	2.336	16.7	21.2
10 8	22 10.17	−26 13.1	1.569	2.329	19.5	21.4

164224 2004 RY_{182} 8 31.8 34°.46 1°.9/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 8.81	− 5 32.7	0.888	1.794	20.9	19.1
8 9	23 3.14	− 4 58.4	0.853	1.810	15.5	18.9
8 19	22 54.29	− 4 41.0	0.836	1.828	9.3	18.6
8 29	22 43.61	− 4 37.0	0.839	1.846	3.1	18.4
9 8	22 32.94	− 4 40.3	0.864	1.866	4.6	18.5
9 18	22 24.00	− 4 44.7	0.911	1.887	10.4	18.9
9 28	22 18.08	− 4 44.4	0.978	1.909	15.6	19.3
10 8	22 15.73	− 4 35.2	1.063	1.931	19.9	19.7

262222 2006 SG_{265} 8 31.8 24°.82 4°.4/ 3.6 17

7 30	23 2.05	+ 1 1.9	0.970	1.862	20.7	19.7
8 9	22 58.17	+ 1 21.2	0.928	1.874	15.9	19.5
8 19	22 51.46	+ 1 14.9	0.904	1.887	10.6	19.2
8 29	22 43.02	+ 0 45.7	0.900	1.902	5.6	19.0
9 8	22 34.41	+ 0 0.8	0.918	1.918	5.2	19.1
9 18	22 27.11	− 0 50.4	0.957	1.936	9.7	19.4
9 28	22 22.38	− 1 38.1	1.018	1.954	14.5	19.7
10 8	22 20.83	− 2 14.9	1.096	1.974	18.7	20.0

365266 2009 QX_{10} 8 31.8 338°.72 1°.0/30.8 18

7 30	22 58.98	− 8 39.6	1.748	2.640	13.0	20.1
8 9	22 55.19	− 9 18.1	1.675	2.629	9.4	19.8
8 19	22 49.52	−10 6.8	1.624	2.618	5.3	19.6
8 29	22 42.61	−11 0.4	1.599	2.608	1.3	19.3
9 8	22 35.36	−11 52.4	1.600	2.598	3.8	19.4
9 18	22 28.72	−12 36.8	1.627	2.589	8.1	19.7
9 28	22 23.59	−13 8.8	1.678	2.581	12.0	19.9
10 8	22 20.60	−13 25.6	1.751	2.574	15.3	20.1

283176 2009 QF_{59} 8 31.8 291°.05 1°.5/29.1 16

7 30	22 55.73	−14 49.0	4.191	5.071	6.3	20.1
8 9	22 51.89	−15 16.0	4.107	5.055	4.5	20.0
8 19	22 47.24	−15 44.4	4.049	5.039	2.6	19.8
8 29	22 42.08	−16 12.0	4.020	5.023	1.5	19.7
9 8	22 36.78	−16 36.4	4.020	5.007	2.6	19.8
9 18	22 31.72	−16 55.5	4.050	4.991	4.5	19.9
9 28	22 27.27	−17 7.8	4.108	4.975	6.4	20.0
10 8	22 23.75	−17 12.4	4.190	4.958	8.0	20.2

354099 2001 XJ_{248} 8 31.8 66°.66 4°.0/ 4.6 18

7 30	23 3.09	+ 4 14.8	2.020	2.853	13.9	20.5
8 9	22 57.79	+ 4 26.7	1.958	2.866	10.9	20.3
8 19	22 50.83	+ 4 22.4	1.917	2.879	7.7	20.2
8 29	22 42.88	+ 4 3.0	1.902	2.893	4.8	20.0
9 8	22 34.75	+ 3 31.8	1.914	2.906	4.2	20.0
9 18	22 27.29	+ 2 53.3	1.953	2.920	6.6	20.2
9 28	22 21.25	+ 2 12.8	2.018	2.933	9.6	20.4
10 8	22 17.17	+ 1 35.3	2.107	2.947	12.5	20.6

480329 2015 HM_{181} 8 31.8 66°.43 5°.9/26.9 17

7 30	23 7.25	−21 13.4	1.595	2.495	13.6	20.6
8 9	23 0.99	−22 22.2	1.568	2.521	10.0	20.4
8 19	22 52.67	−23 26.8	1.565	2.548	6.9	20.3
8 29	22 43.25	−24 18.6	1.586	2.574	5.9	20.3
9 8	22 33.92	−24 51.3	1.634	2.601	7.9	20.5
9 18	22 25.76	−25 2.1	1.707	2.627	10.9	20.7
9 28	22 19.64	−24 51.2	1.802	2.654	13.9	21.0
10 8	22 16.04	−24 21.0	1.916	2.679	16.4	21.2

15293 1991 VO_{3} 8 31.8 254°.60 2°.7/29.5 18 R

7 30	23 5.59	−12 44.8	1.677	2.568	13.4	18.5
8 9	23 0.16	−13 35.3	1.601	2.555	9.7	18.3
8 19	22 52.49	−14 33.2	1.548	2.541	5.7	18.0
8 29	22 43.29	−15 31.6	1.521	2.526	2.8	17.8
9 8	22 33.63	−16 22.9	1.521	2.512	5.3	17.9
9 18	22 24.65	−17 0.9	1.547	2.496	9.6	18.2
9 28	22 17.43	−17 21.4	1.597	2.481	13.6	18.4
10 8	22 12.71	−17 23.4	1.667	2.465	17.0	18.6

361404 2006 WJ_{66} 8 31.8 255°.06 1°.5/ 2.3 18

7 30	23 0.60	− 1 24.7	2.133	2.991	12.3	21.0
8 9	22 56.05	− 1 52.9	2.054	2.985	9.3	20.8
8 19	22 49.89	− 2 34.5	1.998	2.979	5.8	20.5
8 29	22 42.70	− 3 26.5	1.968	2.973	2.3	20.3
9 8	22 35.21	− 4 24.1	1.966	2.967	2.7	20.3
9 18	22 28.23	− 5 21.8	1.993	2.961	6.3	20.5
9 28	22 22.51	− 6 14.5	2.045	2.955	9.8	20.7
10 8	22 18.62	− 6 57.8	2.121	2.949	12.8	20.9

451144 2009 QN_{61} 8 31.8 19°.98 8°.5/ 9.9 18

7 30	22 59.51	+16 38.6	1.874	2.648	17.0	19.9
8 9	22 55.47	+17 10.4	1.805	2.654	14.5	19.7
8 19	22 49.63	+17 16.4	1.754	2.660	12.0	19.6
8 29	22 42.64	+16 55.0	1.725	2.667	9.7	19.4
9 8	22 35.37	+16 8.1	1.719	2.675	8.5	19.4
9 18	22 28.71	+15 0.6	1.738	2.683	9.1	19.5
9 28	22 23.53	+13 39.9	1.781	2.692	11.0	19.6
10 8	22 20.42	+12 15.0	1.848	2.701	13.3	19.8

507236 2011 AX_{51} 8 31.8 191°.05 0°.3/ 1.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 5.50	− 5 9.2	1.933	2.800	13.0	23.1
8 9	22 59.72	− 5 39.6	1.860	2.799	9.6	22.9
8 19	22 52.05	− 6 21.6	1.810	2.798	5.6	22.7
8 29	22 43.18	− 7 10.8	1.787	2.795	1.4	22.4
9 8	22 34.00	− 8 1.9	1.792	2.792	3.0	22.5
9 18	22 25.46	− 8 49.2	1.825	2.789	7.2	22.8
9 28	22 18.45	− 9 27.9	1.884	2.785	11.0	23.0
10 8	22 13.59	− 9 54.7	1.966	2.780	14.2	23.2

217641 1997 ND_{6} 8 31.8 78°.93 0°.0/31.6 18

7 30	23 0.16	− 5 38.1	2.246	3.117	11.3	20.5
8 9	22 55.54	− 6 21.1	2.188	3.130	8.2	20.3
8 19	22 49.49	− 7 13.6	2.154	3.143	4.7	20.2
8 29	22 42.60	− 8 11.1	2.148	3.157	1.0	19.9
9 8	22 35.57	− 9 8.6	2.170	3.170	2.7	20.1
9 18	22 29.13	−10 1.4	2.220	3.183	6.2	20.3
9 28	22 23.93	−10 45.1	2.297	3.196	9.4	20.5
10 8	22 20.43	−11 17.3	2.397	3.210	12.0	20.8

369953 2013 JK_{16} 8 31.8 21°.60 0°.9/ 1.8 18

7 30	22 58.47	− 2 15.6	2.066	2.932	12.3	20.4
8 9	22 54.50	− 3 2.6	1.997	2.935	9.1	20.3
8 19	22 48.98	− 4 3.3	1.952	2.938	5.5	20.0
8 29	22 42.50	− 5 13.4	1.933	2.941	1.7	19.8
9 8	22 35.81	− 6 27.1	1.943	2.944	2.6	19.9
9 18	22 29.66	− 7 38.3	1.979	2.948	6.4	20.1
9 28	22 24.79	− 8 41.3	2.043	2.951	9.9	20.3
10 8	22 21.70	− 9 32.0	2.129	2.956	12.8	20.6

473389 2015 VC_{25} 8 31.8 345°.63 8°.0/22.7 17

7 30	22 56.37	−23 40.5	1.522	2.439	13.0	19.8
8 9	22 53.68	−25 49.0	1.468	2.426	10.1	19.6
8 19	22 48.82	−27 56.1	1.438	2.414	8.2	19.5
8 29	22 42.50	−29 49.6	1.432	2.403	8.5	19.5
9 8	22 35.78	−31 18.7	1.450	2.394	10.9	19.6
9 18	22 29.79	−32 16.7	1.491	2.385	13.9	19.8
9 28	22 25.60	−32 41.3	1.551	2.378	16.9	19.9
10 8	22 23.91	−32 34.6	1.628	2.372	19.5	20.1

184540 2005 QR_{37} 8 31.8 304°.90 0°.9/ 1.6 18

7 30	23 1.10	− 3 59.5	1.960	2.830	12.7	20.7
8 9	22 56.56	− 4 20.4	1.880	2.820	9.5	20.4
8 19	22 50.26	− 4 53.4	1.824	2.811	5.7	20.2
8 29	22 42.80	− 5 35.1	1.794	2.801	1.7	19.9
9 8	22 35.01	− 6 20.6	1.791	2.792	2.8	20.0
9 18	22 27.75	− 7 4.7	1.815	2.783	6.9	20.2
9 28	22 21.88	− 7 42.4	1.865	2.774	10.6	20.4
10 8	22 18.00	− 8 9.9	1.937	2.765	13.9	20.6

316101 2009 OP_{13} 8 31.8 353°.78 0°.4/31.3 18

7 30	22 59.79	− 7 3.2	1.946	2.828	12.3	20.9
8 9	22 55.56	− 7 42.9	1.878	2.826	8.9	20.7
8 19	22 49.64	− 8 32.7	1.833	2.825	5.1	20.5
8 29	22 42.66	− 9 27.9	1.814	2.823	1.1	20.2
9 8	22 35.42	−10 22.8	1.823	2.822	3.2	20.4
9 18	22 28.78	−11 11.7	1.859	2.822	7.2	20.6
9 28	22 23.53	−11 50.2	1.920	2.821	10.8	20.8
10 8	22 20.22	−12 15.3	2.003	2.821	13.8	21.1

276130 2002 GW_{120} 8 31.8 219°.61 3°.2/ 3.5 18

7 30	23 3.95	+ 2 21.8	1.542	2.398	16.3	20.4
8 9	22 59.02	+ 2 0.9	1.468	2.394	12.6	20.2
8 19	22 51.85	+ 1 18.4	1.414	2.390	8.4	19.9
8 29	22 43.18	+ 0 17.2	1.385	2.386	4.3	19.7
9 8	22 34.07	− 0 56.6	1.382	2.381	4.0	19.7
9 18	22 25.69	− 2 14.8	1.405	2.377	8.0	19.9
9 28	22 19.12	− 3 28.8	1.452	2.372	12.3	20.1
10 8	22 15.08	− 4 31.6	1.521	2.366	16.2	20.4

278518 2008 DK_{32} 8 31.8 83°.09 1°.1/30.7 18

7 30	23 2.12	− 9 24.9	2.069	2.950	11.7	20.5
8 9	22 57.08	−10 2.6	2.011	2.960	8.4	20.4
8 19	22 50.43	−10 47.3	1.977	2.969	4.7	20.1
8 29	22 42.82	−11 34.2	1.970	2.978	1.3	19.9
9 8	22 35.07	−12 18.2	1.990	2.987	3.4	20.1
9 18	22 27.96	−12 54.7	2.039	2.997	7.1	20.4
9 28	22 22.26	−13 20.3	2.113	3.006	10.4	20.6
10 8	22 18.45	−13 33.1	2.210	3.015	13.2	20.8

523116 2016 SN_{52} 8 31.8 76°.25 7°.4/24.6 17

7 30	23 4.84	−26 12.5	1.780	2.677	12.5	20.7
8 9	22 59.37	−27 38.3	1.742	2.687	9.7	20.6
8 19	22 51.85	−28 57.0	1.728	2.697	7.8	20.5
8 29	22 43.14	−29 59.8	1.739	2.707	7.6	20.5
9 8	22 34.30	−30 39.9	1.775	2.716	9.4	20.6
9 18	22 26.40	−30 54.6	1.836	2.726	11.9	20.8
9 28	22 20.35	−30 43.9	1.918	2.736	14.5	21.0
10 8	22 16.70	−30 11.0	2.019	2.746	16.7	21.2

516073 2015 TR_{282} 8 31.8 87°.78 3°.4/ 4.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 59.76	+ 5 10.2	2.249	3.077	12.8	21.3
8 9	22 55.32	+ 4 52.3	2.177	3.083	10.1	21.1
8 19	22 49.42	+ 4 17.7	2.128	3.090	7.0	20.9
8 29	22 42.61	+ 3 28.5	2.105	3.097	4.3	20.8
9 8	22 35.60	+ 2 28.5	2.109	3.103	3.6	20.7
9 18	22 29.12	+ 1 23.0	2.141	3.110	5.9	20.9
9 28	22 23.84	+ 0 17.7	2.200	3.116	8.9	21.1
10 8	22 20.27	− 0 42.2	2.283	3.122	11.7	21.3

339339 2004 YH_{31} 8 31.8 322°.92 2°.1/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.07	−11 5.2	1.380	2.283	15.0	19.4
8 9	22 57.99	−11 37.7	1.304	2.263	10.9	19.1
8 19	22 51.42	−12 20.0	1.249	2.244	6.3	18.8
8 29	22 43.11	−13 5.6	1.218	2.226	2.2	18.5
9 8	22 34.24	−13 46.6	1.211	2.208	5.2	18.7
9 18	22 26.09	−14 16.1	1.229	2.191	10.1	18.9
9 28	22 19.91	−14 29.1	1.269	2.175	14.8	19.1
10 8	22 16.54	−14 23.4	1.328	2.160	18.8	19.3

145034 2005 EC_{278} 8 31.8 114°.46 0°.7/ 1.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.57	− 2 38.0	1.494	2.371	15.7	20.1
8 9	22 58.66	− 3 31.9	1.435	2.378	11.6	19.9
8 19	22 51.56	− 4 43.7	1.398	2.386	6.9	19.6
8 29	22 43.10	− 6 7.2	1.385	2.393	1.9	19.3
9 8	22 34.38	− 7 33.8	1.399	2.400	3.4	19.5
9 18	22 26.52	− 8 54.7	1.439	2.407	8.3	19.8
9 28	22 20.53	−10 2.4	1.503	2.414	12.6	20.0
10 8	22 17.05	−10 52.4	1.589	2.420	16.3	20.3

312614 2009 SQ_{120} 8 31.8 260°.16 2°.0/ 4.9 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 53.67	+ 4 26.1	4.571	5.382	7.1	20.8
8 9	22 50.35	+ 4 9.6	4.480	5.376	5.5	20.7
8 19	22 46.35	+ 3 44.9	4.413	5.370	3.9	20.5
8 29	22 41.93	+ 3 13.1	4.375	5.364	2.4	20.4
9 8	22 37.39	+ 2 36.0	4.366	5.358	2.1	20.4
9 18	22 33.05	+ 1 55.7	4.386	5.352	3.3	20.5
9 28	22 29.24	+ 1 14.6	4.435	5.346	4.9	20.6
10 8	22 26.22	+ 0 34.9	4.511	5.339	6.5	20.7

356231 2009 SS_{293} 8 31.8 299°.97 0°.9/ 2.3 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 55.29	− 2 52.8	4.239	5.086	6.9	21.1
8 9	22 51.55	− 3 3.1	4.155	5.081	5.1	21.0
8 19	22 47.05	− 3 19.1	4.097	5.077	3.2	20.8
8 29	22 42.09	− 3 39.4	4.068	5.073	1.3	20.7
9 8	22 37.02	− 4 2.1	4.068	5.068	1.5	20.7
9 18	22 32.18	− 4 25.2	4.098	5.064	3.5	20.8
9 28	22 27.92	− 4 46.8	4.156	5.060	5.4	21.0
10 8	22 24.55	− 5 5.0	4.241	5.056	7.2	21.1

382994 2005 EY_{291} 8 31.8 192°.25 2°.5/28.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.55	−13 17.2	2.326	3.210	10.5	21.1
8 9	22 57.37	−14 23.8	2.258	3.208	7.5	20.9
8 19	22 50.64	−15 35.2	2.215	3.206	4.4	20.7
8 29	22 42.92	−16 45.9	2.200	3.203	2.5	20.6
9 8	22 34.95	−17 49.8	2.214	3.200	4.5	20.7
9 18	22 27.51	−18 42.2	2.257	3.196	7.6	20.9
9 28	22 21.32	−19 19.7	2.325	3.192	10.6	21.1
10 8	22 16.90	−19 41.2	2.416	3.187	13.1	21.3

479650 2014 DU_{59} 8 31.8 280°.27 3°.0/29.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.52	−13 56.7	1.787	2.681	12.6	21.1
8 9	22 58.46	−14 46.5	1.721	2.676	9.1	20.8
8 19	22 51.42	−15 41.3	1.679	2.672	5.4	20.6
8 29	22 43.11	−16 34.6	1.663	2.667	3.0	20.4
9 8	22 34.50	−17 19.7	1.674	2.663	5.3	20.6
9 18	22 26.61	−17 51.4	1.711	2.658	9.0	20.8
9 28	22 20.35	−18 6.4	1.772	2.654	12.6	21.0
10 8	22 16.35	−18 4.2	1.854	2.649	15.7	21.2

255799 2006 ST_{14} 8 31.8 240°.84 2°.4/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 5.49	− 0 48.5	1.611	2.474	15.4	20.4
8 9	23 0.12	− 0 56.5	1.533	2.466	11.7	20.2
8 19	22 52.51	− 1 21.4	1.477	2.458	7.5	19.9
8 29	22 43.38	− 2 0.4	1.446	2.450	3.3	19.7
9 8	22 33.78	− 2 48.4	1.440	2.441	3.6	19.7
9 18	22 24.86	− 3 38.8	1.462	2.432	7.9	19.9
9 28	22 17.72	− 4 25.1	1.508	2.423	12.2	20.1
10 8	22 13.08	− 5 1.7	1.575	2.413	16.0	20.4

173810 2001 SW_{256} 8 31.8 314°.57 1°.6/30.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.36	−10 7.7	1.842	2.731	12.5	20.1
8 9	22 56.85	−10 51.2	1.770	2.723	9.0	19.8
8 19	22 50.48	−11 43.0	1.722	2.715	5.1	19.6
8 29	22 42.91	−12 37.7	1.700	2.708	1.7	19.3
9 8	22 35.01	−13 28.8	1.705	2.701	4.1	19.5
9 18	22 27.74	−14 10.9	1.737	2.694	8.1	19.7
9 28	22 21.97	−14 39.6	1.793	2.687	11.8	19.9
10 8	22 18.31	−14 52.8	1.871	2.681	15.0	20.1

41721 2000 UU_{79} 8 31.8 307°.03 4°.1/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 5.36	−14 40.3	1.247	2.156	15.9	18.4
8 9	23 0.62	−15 28.2	1.179	2.141	11.6	18.1
8 19	22 53.05	−16 22.9	1.132	2.127	7.0	17.8
8 29	22 43.53	−17 15.5	1.109	2.113	4.1	17.6
9 8	22 33.42	−17 56.3	1.109	2.099	7.0	17.8
9 18	22 24.25	−18 18.3	1.133	2.086	11.9	18.0
9 28	22 17.39	−18 17.6	1.177	2.073	16.5	18.2
10 8	22 13.70	−17 54.4	1.240	2.061	20.5	18.5

518310 2017 BK_{52} 8 31.8 254°.41 1°.0/30.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.78	−10 1.3	2.465	3.341	10.3	21.6
8 9	22 56.75	−10 27.6	2.386	3.332	7.4	21.4
8 19	22 50.27	−10 59.7	2.331	3.323	4.2	21.2
8 29	22 42.85	−11 33.9	2.305	3.313	1.1	21.0
9 8	22 35.18	−12 6.0	2.307	3.303	3.1	21.1
9 18	22 27.97	−12 32.4	2.337	3.293	6.4	21.3
9 28	22 21.90	−12 50.2	2.394	3.284	9.4	21.5
10 8	22 17.49	−12 57.6	2.474	3.273	12.1	21.7

47020 1998 VP_{9} 8 31.8 323°.59 1°.9/ 2.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.19	− 1 58.4	1.673	2.543	14.6	18.6
8 9	22 57.62	− 2 7.0	1.598	2.535	11.0	18.3
8 19	22 51.00	− 2 30.7	1.544	2.528	6.9	18.1
8 29	22 43.04	− 3 6.5	1.516	2.521	2.8	17.8
9 8	22 34.69	− 3 49.4	1.513	2.514	3.3	17.8
9 18	22 26.99	− 4 33.6	1.537	2.508	7.5	18.1
9 28	22 20.93	− 5 13.0	1.585	2.502	11.6	18.3
10 8	22 17.16	− 5 42.9	1.655	2.496	15.2	18.5

225257 2009 RJ_{5} 8 31.8 328°.18 3°.3/ 4.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.14	+ 3 55.2	2.146	2.984	13.0	20.0
8 9	22 55.02	+ 3 41.1	2.066	2.979	10.2	19.8
8 19	22 49.34	+ 3 10.5	2.008	2.974	7.0	19.6
8 29	22 42.65	+ 2 25.1	1.975	2.970	4.1	19.4
9 8	22 35.69	+ 1 28.8	1.970	2.966	3.6	19.4
9 18	22 29.20	+ 0 26.8	1.991	2.962	6.2	19.5
9 28	22 23.95	− 0 34.9	2.040	2.958	9.4	19.7
10 8	22 20.46	− 1 31.0	2.112	2.954	12.4	19.9

376728 1998 WC_{44} 8 31.8 268°.84 0°.8/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 4.04	− 3 41.3	1.688	2.560	14.4	22.0
8 9	22 59.09	− 4 9.9	1.601	2.542	10.7	21.7
8 19	22 51.96	− 4 53.8	1.535	2.522	6.5	21.4
8 29	22 43.28	− 5 49.2	1.495	2.503	1.9	21.1
9 8	22 34.04	− 6 49.9	1.482	2.483	3.3	21.2
9 18	22 25.34	− 7 48.8	1.495	2.463	8.1	21.4
9 28	22 18.27	− 8 39.4	1.534	2.443	12.5	21.6
10 8	22 13.61	− 9 16.7	1.593	2.422	16.3	21.8

49309 1998 VB_{16} 8 31.8 258°.89 0°.9/31.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 4.16	− 7 39.4	1.717	2.599	13.7	18.7
8 9	22 59.12	− 8 25.7	1.635	2.584	10.0	18.5
8 19	22 51.94	− 9 24.2	1.575	2.567	5.7	18.2
8 29	22 43.27	−10 29.5	1.542	2.551	1.3	17.9
9 8	22 34.10	−11 34.3	1.535	2.534	3.9	18.0
9 18	22 25.51	−12 31.5	1.556	2.516	8.5	18.3
9 28	22 18.56	−13 15.4	1.601	2.499	12.8	18.5
10 8	22 13.98	−13 42.7	1.667	2.481	16.4	18.7

119274 2001 RY_{79} 8 31.8 200°.69 7°.1/24.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 5.91	−25 34.0	1.921	2.814	11.9	19.6
8 9	23 0.22	−27 11.3	1.868	2.811	9.3	19.4
8 19	22 52.46	−28 44.0	1.839	2.807	7.4	19.3
8 29	22 43.36	−30 2.9	1.837	2.804	7.4	19.3
9 8	22 33.96	−31 0.4	1.861	2.799	9.2	19.4
9 18	22 25.31	−31 32.5	1.910	2.794	11.8	19.6
9 28	22 18.40	−31 38.3	1.981	2.789	14.5	19.7
10 8	22 13.85	−31 20.2	2.070	2.783	16.8	19.9

147989 1995 YJ_{10} 8 31.8 273°.40 1°.4/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.88	− 8 32.7	1.624	2.512	14.0	20.5
8 9	22 59.09	− 9 26.1	1.539	2.491	10.2	20.2
8 19	22 52.01	−10 32.6	1.477	2.470	5.9	19.9
8 29	22 43.31	−11 45.7	1.440	2.448	1.6	19.5
9 8	22 34.01	−12 57.4	1.429	2.426	4.5	19.7
9 18	22 25.28	−13 59.9	1.445	2.404	9.3	19.9
9 28	22 18.25	−14 46.6	1.485	2.382	13.7	20.1
10 8	22 13.73	−15 14.4	1.545	2.359	17.5	20.3

10514 1989 TD_{16} 8 31.8 347°.08 0°.3/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.01	− 7 40.9	1.578	2.466	14.3	16.9
8 9	22 58.26	− 8 0.5	1.511	2.462	10.5	16.6
8 19	22 51.39	− 8 30.7	1.466	2.458	6.0	16.4
8 29	22 43.14	− 9 6.7	1.446	2.456	1.3	16.0
9 8	22 34.56	− 9 42.5	1.453	2.453	3.6	16.2
9 18	22 26.75	−10 12.5	1.485	2.451	8.3	16.5
9 28	22 20.72	−10 32.1	1.541	2.449	12.5	16.7
10 8	22 17.12	−10 38.4	1.617	2.448	16.0	17.0

405261 2003 SB_{287} 8 31.8 289°.86 2°.1/ 3.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 59.15	+ 1 0.6	2.306	3.153	11.9	21.8
8 9	22 55.02	+ 0 35.7	2.212	3.135	9.1	21.6
8 19	22 49.37	− 0 3.7	2.141	3.117	6.0	21.4
8 29	22 42.69	− 0 55.3	2.097	3.099	2.9	21.2
9 8	22 35.66	− 1 55.2	2.080	3.080	2.8	21.1
9 18	22 29.01	− 2 58.1	2.092	3.062	5.9	21.3
9 28	22 23.47	− 3 58.7	2.130	3.044	9.3	21.5
10 8	22 19.61	− 4 52.2	2.193	3.025	12.3	21.6

365781 2010 XC_{61} 8 31.8 349°.44 1°.1/ 1.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.38	− 3 22.7	1.893	2.764	13.1	21.2
8 9	22 56.07	− 3 42.4	1.821	2.761	9.7	20.9
8 19	22 50.01	− 4 14.8	1.772	2.758	5.9	20.7
8 29	22 42.83	− 4 56.4	1.748	2.755	2.0	20.4
9 8	22 35.38	− 5 42.4	1.752	2.753	2.8	20.5
9 18	22 28.51	− 6 27.2	1.782	2.751	6.8	20.8
9 28	22 23.07	− 7 5.8	1.838	2.750	10.6	21.0
10 8	22 19.63	− 7 34.4	1.916	2.749	13.8	21.2

439262 2012 TW_{310} 8 31.8 334°.49 5°.8/28.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 4.67	−19 41.2	1.292	2.204	15.2	19.7
8 9	23 0.04	−20 20.3	1.227	2.188	11.3	19.4
8 19	22 52.67	−20 58.8	1.184	2.174	7.5	19.2
8 29	22 43.46	−21 27.9	1.163	2.160	5.8	19.1
9 8	22 33.79	−21 39.3	1.166	2.148	8.3	19.2
9 18	22 25.10	−21 28.3	1.192	2.136	12.4	19.4
9 28	22 18.69	−20 53.7	1.239	2.125	16.6	19.6
10 8	22 15.36	−19 57.9	1.304	2.116	20.2	19.8

257198 2008 RE_{54} 8 31.8 339°.19 1°.6/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 54.37	+ 1 21.4	4.052	4.883	7.5	21.2
8 9	22 50.95	+ 1 4.6	3.968	4.881	5.8	21.1
8 19	22 46.76	+ 0 39.9	3.909	4.878	3.8	21.0
8 29	22 42.10	+ 0 8.7	3.878	4.876	2.0	20.8
9 8	22 37.32	− 0 26.9	3.876	4.874	1.9	20.8
9 18	22 32.78	− 1 4.6	3.904	4.872	3.5	20.9
9 28	22 28.84	− 1 41.9	3.960	4.870	5.5	21.1
10 8	22 25.79	− 2 16.4	4.042	4.868	7.3	21.2

337309 2000 YD_{125} 8 31.8 312°.63 2°.9/ 2.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.10	− 1 10.7	1.464	2.337	16.1	19.6
8 9	22 58.77	− 0 58.8	1.373	2.311	12.4	19.3
8 19	22 51.97	− 1 3.4	1.303	2.285	8.1	19.0
8 29	22 43.36	− 1 23.1	1.256	2.260	3.8	18.7
9 8	22 34.01	− 1 53.8	1.234	2.235	4.0	18.7
9 18	22 25.18	− 2 29.8	1.237	2.210	8.7	18.9
9 28	22 18.16	− 3 4.3	1.263	2.187	13.5	19.1
10 8	22 13.85	− 3 30.9	1.310	2.163	17.7	19.3

131006 2000 XW_{3} 8 31.8 183°.82 4°.1/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 7.51	−20 10.1	2.355	3.237	10.4	20.7
8 9	23 0.94	−20 56.3	2.292	3.238	7.7	20.5
8 19	22 52.70	−21 41.2	2.255	3.238	5.1	20.3
8 29	22 43.44	−22 19.1	2.246	3.237	4.1	20.3
9 8	22 33.99	−22 45.3	2.266	3.236	5.8	20.4
9 18	22 25.19	−22 56.7	2.313	3.234	8.4	20.6
9 28	22 17.82	−22 52.2	2.386	3.231	11.1	20.7
10 8	22 12.40	−22 32.5	2.481	3.227	13.5	20.9

510710 2012 VS_{2} 8 31.8 175°.85 5°.7/ 6.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.87	+10 0.4	2.107	2.906	14.5	21.8
8 9	22 58.50	+10 16.0	2.029	2.908	11.9	21.6
8 19	22 51.40	+10 11.9	1.971	2.909	9.1	21.4
8 29	22 43.18	+ 9 48.1	1.938	2.910	6.6	21.3
9 8	22 34.63	+ 9 6.8	1.931	2.910	5.8	21.2
9 18	22 26.64	+ 8 12.6	1.952	2.910	7.3	21.3
9 28	22 20.01	+ 7 11.6	1.999	2.910	9.9	21.5
10 8	22 15.34	+ 6 10.5	2.069	2.909	12.7	21.6

342738 2008 WB_{49} 8 31.8 305°.04 1°.5/30.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 4.11	−10 13.8	1.531	2.425	14.4	20.8
8 9	22 59.39	−10 39.8	1.446	2.401	10.5	20.5
8 19	22 52.26	−11 15.3	1.383	2.377	6.1	20.2
8 29	22 43.42	−11 54.9	1.345	2.353	1.7	19.8
9 8	22 33.95	−12 31.7	1.332	2.330	4.5	20.0
9 18	22 25.09	−12 59.6	1.345	2.307	9.5	20.2
9 28	22 18.04	−13 13.5	1.381	2.284	14.0	20.4
10 8	22 13.65	−13 11.1	1.437	2.262	18.0	20.6

426153 2012 HU_{53} 8 31.8 142°.09 2°.0/30.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 6.79	−10 47.7	1.756	2.640	13.3	21.8
8 9	23 0.74	−11 43.6	1.700	2.651	9.5	21.6
8 19	22 52.71	−12 47.0	1.668	2.661	5.4	21.4
8 29	22 43.46	−13 51.2	1.663	2.670	2.1	21.2
9 8	22 34.02	−14 48.9	1.686	2.679	4.5	21.4
9 18	22 25.43	−15 34.6	1.735	2.687	8.6	21.6
9 28	22 18.59	−16 4.4	1.810	2.695	12.2	21.9
10 8	22 14.09	−16 17.3	1.905	2.701	15.3	22.1

318032 2004 EX_{37} 8 31.8 104°.36 0°.9/ 1.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 6.43	− 3 37.9	1.654	2.523	14.8	20.8
8 9	23 0.49	− 4 4.9	1.600	2.539	10.9	20.6
8 19	22 52.56	− 4 45.5	1.569	2.555	6.5	20.4
8 29	22 43.43	− 5 35.1	1.564	2.571	1.9	20.2
9 8	22 34.16	− 6 27.5	1.586	2.587	3.2	20.3
9 18	22 25.80	− 7 16.5	1.634	2.602	7.5	20.6
9 28	22 19.25	− 7 56.6	1.709	2.617	11.5	20.9
10 8	22 15.07	− 8 24.5	1.805	2.631	14.8	21.1

512161 2015 RW_{30} 8 31.8 344°.50 1°.7/ 2.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.13	− 3 24.3	1.819	2.687	13.6	20.5
8 9	22 58.16	− 3 14.0	1.744	2.682	10.3	20.3
8 19	22 51.29	− 3 15.1	1.692	2.676	6.4	20.1
8 29	22 43.17	− 3 25.5	1.666	2.671	2.5	19.8
9 8	22 34.74	− 3 41.6	1.666	2.667	3.1	19.9
9 18	22 26.93	− 3 59.3	1.693	2.663	7.1	20.1
9 28	22 20.67	− 4 14.1	1.745	2.660	10.9	20.3
10 8	22 16.57	− 4 22.5	1.820	2.657	14.2	20.5

45923 2000 YV_{107} 8 31.8 272°.99 1°.4/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.59	−10 32.1	2.192	3.074	11.1	19.3
8 9	22 56.79	−11 9.2	2.118	3.067	8.0	19.1
8 19	22 50.39	−11 52.8	2.069	3.061	4.5	18.9
8 29	22 42.96	−12 38.3	2.046	3.054	1.5	18.7
9 8	22 35.28	−13 20.6	2.052	3.048	3.6	18.8
9 18	22 28.12	−13 55.3	2.086	3.041	7.1	19.0
9 28	22 22.24	−14 19.0	2.145	3.035	10.4	19.2
10 8	22 18.19	−14 29.9	2.227	3.028	13.2	19.4

280603 2004 VN_{92} 8 31.8 48°.69 0°.7/ 1.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.88	− 3 10.3	1.461	2.343	15.6	20.2
8 9	22 57.43	− 3 54.4	1.410	2.356	11.5	20.0
8 19	22 50.89	− 4 55.0	1.380	2.369	6.8	19.8
8 29	22 43.08	− 6 6.2	1.375	2.383	1.9	19.5
9 8	22 35.10	− 7 19.9	1.395	2.397	3.4	19.6
9 18	22 28.02	− 8 28.1	1.441	2.411	8.1	20.0
9 28	22 22.79	− 9 24.0	1.512	2.426	12.3	20.3
10 8	22 19.99	−10 3.7	1.603	2.441	15.8	20.5

418037 2007 VV_{17} 8 31.8 180°.76 2°.2/ 2.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 4.79	− 0 0.1	1.518	2.382	16.1	21.8
8 9	22 59.66	− 0 29.3	1.449	2.383	12.2	21.5
8 19	22 52.28	− 1 18.2	1.402	2.383	7.7	21.3
8 29	22 43.42	− 2 22.9	1.379	2.383	3.3	21.0
9 8	22 34.19	− 3 36.2	1.382	2.383	3.5	21.0
9 18	22 25.75	− 4 50.0	1.411	2.383	8.1	21.3
9 28	22 19.17	− 5 56.4	1.465	2.382	12.5	21.6
10 8	22 15.15	− 6 49.3	1.541	2.380	16.2	21.8

130810 2000 UN_{5} 8 31.8 0°.83 3°.7/ 3.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.97	+ 2 11.4	1.017	1.908	20.1	18.8
8 9	22 55.41	+ 1 50.5	0.960	1.905	15.5	18.6
8 19	22 50.11	+ 0 59.9	0.920	1.904	10.3	18.3
8 29	22 42.97	− 0 16.4	0.900	1.903	5.1	18.0
9 8	22 35.39	− 1 48.8	0.902	1.904	4.6	18.0
9 18	22 28.82	− 3 24.8	0.927	1.907	9.6	18.3
9 28	22 24.58	− 4 51.8	0.972	1.910	14.9	18.6
10 8	22 23.45	− 6 0.3	1.036	1.915	19.4	18.9

267607 2002 RH_{105} 8 31.8 313°.10 3°.5/29.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 5.58	−14 12.5	1.253	2.161	15.9	20.1
8 9	23 0.96	−14 41.2	1.175	2.136	11.7	19.8
8 19	22 53.41	−15 16.5	1.117	2.112	7.0	19.5
8 29	22 43.76	−15 50.6	1.082	2.088	3.5	19.2
9 8	22 33.33	−16 15.1	1.071	2.064	6.5	19.3
9 18	22 23.68	−16 23.3	1.083	2.041	11.7	19.5
9 28	22 16.30	−16 11.2	1.116	2.019	16.6	19.8
10 8	22 12.16	−15 38.6	1.168	1.998	21.0	20.0

291282 2006 BU_{118} 8 31.8 298°.16 0°.7/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.32	− 4 5.3	1.595	2.475	14.7	21.3
8 9	22 57.88	− 4 35.1	1.519	2.463	10.9	21.0
8 19	22 51.28	− 5 20.2	1.464	2.452	6.5	20.8
8 29	22 43.23	− 6 16.2	1.433	2.441	1.8	20.4
9 8	22 34.72	− 7 16.4	1.429	2.430	3.3	20.5
9 18	22 26.87	− 8 13.8	1.451	2.420	8.1	20.8
9 28	22 20.71	− 9 1.7	1.497	2.409	12.5	21.0
10 8	22 16.97	− 9 35.6	1.564	2.399	16.3	21.2

331166 2010 YX_{4} 8 31.8 300°.60 4°.9/26.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.58	−20 28.2	2.134	3.031	10.7	20.4
8 9	22 56.20	−21 47.3	2.070	3.023	8.0	20.2
8 19	22 50.11	−23 6.4	2.031	3.014	5.6	20.1
8 29	22 42.94	−24 18.6	2.019	3.006	5.1	20.0
9 8	22 35.48	−25 17.1	2.035	2.997	6.9	20.1
9 18	22 28.58	−25 57.5	2.076	2.989	9.7	20.3
9 28	22 23.04	−26 17.5	2.141	2.981	12.4	20.5
10 8	22 19.42	−26 17.3	2.225	2.973	14.8	20.6

92008 1999 VP_{156} 8 31.8 298°.89 0°.0/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 1.06	− 6 36.3	2.125	2.999	11.7	20.1
8 9	22 56.48	− 7 2.7	2.045	2.989	8.6	19.9
8 19	22 50.26	− 7 38.6	1.990	2.980	5.0	19.7
8 29	22 42.98	− 8 20.1	1.961	2.970	1.1	19.4
9 8	22 35.39	− 9 2.6	1.960	2.960	2.9	19.5
9 18	22 28.30	− 9 41.2	1.987	2.951	6.7	19.7
9 28	22 22.49	−10 12.0	2.039	2.941	10.2	19.9
10 8	22 18.53	−10 31.8	2.114	2.932	13.2	20.1

81438 2000 GZ_{111} 8 31.8 277°.66 0°.2/31.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.14	− 5 56.3	1.897	2.775	12.8	19.2
8 9	22 56.68	− 6 43.3	1.824	2.770	9.3	18.9
8 19	22 50.43	− 7 42.4	1.774	2.764	5.4	18.7
8 29	22 43.02	− 8 48.5	1.750	2.759	1.1	18.4
9 8	22 35.30	− 9 55.3	1.754	2.754	3.2	18.5
9 18	22 28.15	−10 56.4	1.785	2.749	7.4	18.8
9 28	22 22.44	−11 46.4	1.841	2.743	11.1	19.0
10 8	22 18.76	−12 21.9	1.920	2.738	14.4	19.2

334429 2002 GQ_{47} 8 31.8 52°.95 2°.4/28.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.93	−16 25.9	2.954	3.838	8.5	20.8
8 9	22 55.19	−16 56.9	2.892	3.842	6.1	20.6
8 19	22 49.31	−17 28.7	2.856	3.845	3.7	20.5
8 29	22 42.74	−17 57.8	2.849	3.849	2.4	20.4
9 8	22 36.06	−18 20.8	2.870	3.853	3.8	20.5
9 18	22 29.81	−18 35.2	2.919	3.856	6.2	20.6
9 28	22 24.55	−18 39.4	2.995	3.860	8.5	20.8
10 8	22 20.66	−18 32.8	3.094	3.864	10.6	21.0

381758 2009 SC_{185} 8 31.8 293°.07 4°.4/ 4.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.51	+ 3 56.1	1.520	2.372	16.7	20.6
8 9	22 58.21	+ 3 55.9	1.435	2.356	13.2	20.3
8 19	22 51.59	+ 3 33.6	1.370	2.340	9.2	20.0
8 29	22 43.34	+ 2 50.0	1.328	2.324	5.4	19.8
9 8	22 34.47	+ 1 49.6	1.310	2.307	4.8	19.7
9 18	22 26.19	+ 0 39.4	1.319	2.291	8.3	19.9
9 28	22 19.66	− 0 31.6	1.351	2.276	12.6	20.1
10 8	22 15.71	− 1 35.4	1.404	2.260	16.7	20.3

351031 2003 SG_{111} 8 31.8 313°.34 5°.9/ 4.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 4.86	+ 3 53.9	1.522	2.371	16.9	20.5
8 9	23 0.15	+ 4 43.4	1.422	2.339	13.6	20.2
8 19	22 52.90	+ 5 16.0	1.343	2.307	10.0	19.9
8 29	22 43.68	+ 5 30.0	1.286	2.276	6.7	19.6
9 8	22 33.56	+ 5 25.8	1.254	2.245	6.2	19.5
9 18	22 23.80	+ 5 6.9	1.247	2.215	9.3	19.6
9 28	22 15.77	+ 4 39.2	1.263	2.185	13.6	19.8
10 8	22 10.47	+ 4 10.0	1.300	2.156	17.7	20.0

37935 1998 GW 8 31.8 237°.16 2°.5/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.10	−12 4.0	1.969	2.856	11.9	18.9
8 9	22 58.14	−13 11.5	1.893	2.846	8.6	18.6
8 19	22 51.32	−14 26.6	1.843	2.835	5.0	18.4
8 29	22 43.26	−15 42.8	1.819	2.824	2.5	18.2
9 8	22 34.84	−16 52.8	1.823	2.813	4.8	18.4
9 18	22 26.97	−17 50.5	1.855	2.801	8.5	18.6
9 28	22 20.54	−18 31.6	1.912	2.788	12.1	18.8
10 8	22 16.20	−18 54.4	1.989	2.776	15.1	18.9

288128 2003 WN_{78} 8 31.8 237°.98 2°.5/30.0 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 7.79	−12 33.1	1.522	2.414	14.5	20.6
8 9	23 1.93	−13 8.1	1.455	2.408	10.5	20.4
8 19	22 53.66	−13 49.7	1.410	2.403	6.1	20.1
8 29	22 43.80	−14 31.3	1.390	2.397	2.6	19.9
9 8	22 33.55	−15 5.7	1.397	2.391	5.2	20.1
9 18	22 24.16	−15 27.3	1.430	2.385	9.7	20.3
9 28	22 16.78	−15 32.6	1.486	2.378	13.9	20.5
10 8	22 12.13	−15 21.1	1.562	2.372	17.5	20.8

324883 2007 UH_{14} 8 31.8 330°.89 8°.0/26.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 6.52	−22 12.4	1.103	2.021	16.7	20.0
8 9	23 1.79	−23 16.8	1.049	2.010	12.7	19.8
8 19	22 53.89	−24 18.5	1.013	2.000	9.1	19.5
8 29	22 43.87	−25 5.0	1.000	1.990	8.1	19.5
9 8	22 33.38	−25 25.9	1.009	1.982	10.6	19.6
9 18	22 24.13	−25 15.9	1.039	1.974	14.8	19.8
9 28	22 17.60	−24 35.1	1.088	1.967	18.9	20.0
10 8	22 14.59	−23 28.0	1.154	1.961	22.6	20.3

291502 2006 DC_{155} 8 31.8 208°.21 2°.3/ 3.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.51	+ 1 18.3	2.043	2.889	13.3	21.9
8 9	22 57.59	+ 0 47.6	1.962	2.885	10.1	21.7
8 19	22 50.95	+ 0 0.5	1.905	2.880	6.6	21.5
8 29	22 43.18	− 1 0.0	1.873	2.875	3.1	21.3
9 8	22 35.09	− 2 9.0	1.870	2.870	3.0	21.3
9 18	22 27.52	− 3 20.3	1.895	2.864	6.5	21.5
9 28	22 21.30	− 4 27.4	1.946	2.858	10.1	21.7
10 8	22 17.03	− 5 25.3	2.021	2.851	13.3	21.9

117210 2004 RM_{200} 8 31.8 244°.35 3°.9/27.8 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 5.82	−21 16.0	2.554	3.437	9.7	19.8
8 9	22 59.69	−21 44.9	2.483	3.428	7.2	19.6
8 19	22 52.03	−22 11.5	2.436	3.418	4.9	19.4
8 29	22 43.41	−22 31.3	2.418	3.408	4.0	19.3
9 8	22 34.57	−22 40.2	2.428	3.398	5.4	19.4
9 18	22 26.30	−22 36.0	2.467	3.388	7.9	19.6
9 28	22 19.29	−22 17.7	2.531	3.378	10.5	19.7
10 8	22 14.08	−21 46.0	2.617	3.367	12.8	19.9

330563 2008 CB_{17} 8 31.9 133°.01 0°.7/31.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 5.93	− 7 8.4	1.670	2.550	14.1	21.9
8 9	23 0.24	− 7 54.2	1.612	2.559	10.2	21.7
8 19	22 52.52	− 8 51.2	1.577	2.568	5.8	21.5
8 29	22 43.54	− 9 53.5	1.568	2.577	1.3	21.2
9 8	22 34.34	−10 54.0	1.586	2.585	3.7	21.4
9 18	22 25.98	−11 46.1	1.632	2.593	8.1	21.7
9 28	22 19.40	−12 25.0	1.702	2.601	12.1	22.0
10 8	22 15.20	−12 48.3	1.793	2.608	15.4	22.2

123074 2000 SG_{311} 8 31.9 46°.27 4°.9/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 9.55	+ 1 49.7	1.406	2.261	17.7	17.7
8 9	23 3.10	+ 2 42.2	1.353	2.276	13.8	17.5
8 19	22 54.25	+ 3 16.6	1.321	2.291	9.5	17.3
8 29	22 43.94	+ 3 32.7	1.312	2.307	5.8	17.2
9 8	22 33.43	+ 3 33.1	1.329	2.323	5.4	17.2
9 18	22 24.00	+ 3 22.2	1.371	2.339	8.6	17.4
9 28	22 16.75	+ 3 6.2	1.437	2.356	12.4	17.7
10 8	22 12.30	+ 2 51.1	1.524	2.373	15.9	18.0

263439 2008 DW_{78} 8 31.9 124°.50 8°.1/25.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 11.32	−28 2.5	1.692	2.580	13.5	20.2
8 9	23 4.20	−29 17.7	1.655	2.593	10.7	20.0
8 19	22 54.78	−30 23.0	1.642	2.605	8.6	19.9
8 29	22 44.04	−31 9.4	1.653	2.617	8.3	20.0
9 8	22 33.25	−31 30.6	1.691	2.628	10.0	20.1
9 18	22 23.63	−31 24.5	1.752	2.639	12.6	20.3
9 28	22 16.19	−30 52.9	1.835	2.650	15.2	20.5
10 8	22 11.50	−30 0.0	1.936	2.659	17.5	20.7

97270 1999 XK_{137} 8 31.9 177°.12 2°.9/28.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.45	−16 34.2	2.665	3.550	9.3	20.1
8 9	22 56.46	−17 25.1	2.602	3.551	6.7	19.9
8 19	22 50.15	−18 17.4	2.564	3.552	4.1	19.8
8 29	22 43.01	−19 6.6	2.554	3.553	2.9	19.7
9 8	22 35.70	−19 48.0	2.574	3.553	4.5	19.8
9 18	22 28.88	−20 18.5	2.621	3.553	7.1	20.0
9 28	22 23.15	−20 35.9	2.695	3.553	9.6	20.1
10 8	22 18.97	−20 39.6	2.791	3.553	11.8	20.3

219505 2001 HU_{42} 8 31.9 32°.68 6°.0/28.0 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 4.42	−17 37.4	1.028	1.950	17.3	18.8
8 9	22 59.88	−18 45.5	0.999	1.965	12.5	18.6
8 19	22 52.51	−19 54.0	0.989	1.982	8.0	18.4
8 29	22 43.54	−20 51.2	1.001	2.000	6.0	18.4
9 8	22 34.57	−21 27.4	1.035	2.018	8.7	18.6
9 18	22 27.08	−21 37.8	1.091	2.038	12.9	18.9
9 28	22 22.20	−21 22.0	1.167	2.059	17.0	19.2
10 8	22 20.48	−20 43.2	1.260	2.080	20.3	19.5

100624 1997 TR_{28} 8 31.9 309°.57 0°.5/ 1.8 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 54.76	− 3 59.5	4.026	4.880	7.1	19.6
8 9	22 51.30	− 4 22.2	3.940	4.871	5.2	19.4
8 19	22 47.06	− 4 50.9	3.879	4.863	3.2	19.3
8 29	22 42.32	− 5 23.8	3.847	4.854	1.0	19.1
9 8	22 37.45	− 5 58.5	3.845	4.846	1.5	19.2
9 18	22 32.81	− 6 32.8	3.872	4.837	3.7	19.3
9 28	22 28.77	− 7 4.3	3.927	4.829	5.7	19.4
10 8	22 25.64	− 7 31.1	4.008	4.821	7.6	19.6

36619 2000 QE_{151} 8 31.9 237°.94 1°.8/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 6.68	− 2 22.1	1.561	2.429	15.6	17.4
8 9	23 1.14	− 2 32.2	1.484	2.421	11.7	17.2
8 19	22 53.26	− 2 58.2	1.428	2.412	7.3	16.9
8 29	22 43.78	− 3 36.8	1.397	2.403	2.8	16.6
9 8	22 33.81	− 4 22.6	1.393	2.394	3.5	16.7
9 18	22 24.55	− 5 9.0	1.415	2.385	8.2	16.9
9 28	22 17.13	− 5 49.5	1.461	2.375	12.7	17.2
10 8	22 12.33	− 6 19.2	1.529	2.365	16.5	17.4

237911 2002 PT_{69} 8 31.9 8°.96 6°.7/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.81	+ 8 25.7	1.401	2.243	18.4	18.9
8 9	22 56.21	+ 8 47.1	1.337	2.245	15.0	18.7
8 19	22 50.39	+ 8 42.2	1.292	2.247	11.3	18.5
8 29	22 43.12	+ 8 10.7	1.268	2.251	7.9	18.3
9 8	22 35.50	+ 7 16.8	1.268	2.256	6.7	18.3
9 18	22 28.67	+ 6 7.6	1.291	2.261	8.8	18.4
9 28	22 23.68	+ 4 52.5	1.338	2.268	12.3	18.6
10 8	22 21.24	+ 3 41.0	1.406	2.276	15.8	18.9

262292 2006 SR_{393} 8 31.9 278°.96 3°.5/ 3.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 3.82	+ 2 17.3	1.469	2.328	16.8	20.9
8 9	22 59.11	+ 2 7.8	1.398	2.325	13.0	20.6
8 19	22 52.08	+ 1 36.9	1.346	2.322	8.7	20.4
8 29	22 43.52	+ 0 46.8	1.319	2.319	4.6	20.1
9 8	22 34.51	− 0 16.6	1.316	2.316	4.2	20.1
9 18	22 26.27	− 1 25.6	1.339	2.313	8.2	20.3
9 28	22 19.89	− 2 31.6	1.387	2.309	12.5	20.6
10 8	22 16.13	− 3 27.5	1.455	2.306	16.4	20.8

180476 2004 CG_{54} 8 31.9 39°.82 1°.2/31.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 5.50	− 9 4.7	1.178	2.081	17.1	19.6
8 9	23 0.42	− 9 31.8	1.137	2.095	12.3	19.3
8 19	22 52.78	−10 10.1	1.115	2.110	7.0	19.1
8 29	22 43.63	−10 52.3	1.117	2.126	1.7	18.8
9 8	22 34.38	−11 30.3	1.142	2.142	4.6	19.0
9 18	22 26.38	−11 57.7	1.192	2.159	9.8	19.4
9 28	22 20.73	−12 10.1	1.264	2.176	14.3	19.7
10 8	22 18.02	−12 6.1	1.354	2.194	18.1	20.0

179679 2002 QZ_{67} 8 31.9 176°.35 1°.8/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 6.37	− 1 56.6	1.681	2.544	14.9	20.8
8 9	23 0.67	− 2 11.0	1.611	2.545	11.2	20.6
8 19	22 52.86	− 2 40.5	1.564	2.546	7.0	20.3
8 29	22 43.68	− 3 21.8	1.541	2.547	2.7	20.1
9 8	22 34.17	− 4 9.6	1.546	2.547	3.3	20.1
9 18	22 25.40	− 4 57.5	1.578	2.547	7.6	20.4
9 28	22 18.38	− 5 39.7	1.635	2.547	11.7	20.6
10 8	22 13.77	− 6 11.6	1.714	2.546	15.2	20.8

79613 1998 RJ_{56} 8 31.9 310°.13 0°.5/ 1.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 6.19	− 6 23.5	1.397	2.284	15.9	18.2
8 9	23 0.98	− 6 25.5	1.325	2.274	11.8	17.9
8 19	22 53.25	− 6 39.8	1.274	2.265	7.0	17.6
8 29	22 43.80	− 7 2.5	1.247	2.255	1.8	17.3
9 8	22 33.84	− 7 27.8	1.245	2.246	3.7	17.4
9 18	22 24.70	− 7 49.9	1.268	2.238	9.0	17.7
9 28	22 17.61	− 8 3.5	1.314	2.229	13.7	17.9
10 8	22 13.34	− 8 5.4	1.381	2.222	17.7	18.2

401763 2013 LG_{4} 8 31.9 63°.90 5°.6/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.72	−24 49.3	2.300	3.191	10.3	20.3
8 9	22 57.60	−25 52.6	2.249	3.194	7.9	20.1
8 19	22 50.88	−26 51.5	2.224	3.196	6.0	20.0
8 29	22 43.21	−27 39.8	2.225	3.199	5.8	20.0
9 8	22 35.37	−28 12.3	2.253	3.202	7.3	20.1
9 18	22 28.17	−28 26.4	2.307	3.204	9.5	20.3
9 28	22 22.36	−28 21.3	2.385	3.207	11.9	20.4
10 8	22 18.43	−27 58.3	2.482	3.210	13.9	20.6

467456 2006 HC_{21} 8 31.9 110°.40 0°.4/ 1.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 6.57	− 3 47.5	1.469	2.345	15.9	22.5
8 9	23 0.87	− 4 35.6	1.417	2.360	11.7	22.3
8 19	22 52.95	− 5 39.7	1.386	2.375	6.8	22.1
8 29	22 43.68	− 6 53.4	1.381	2.390	1.7	21.8
9 8	22 34.24	− 8 8.4	1.403	2.404	3.5	22.0
9 18	22 25.78	− 9 16.5	1.450	2.417	8.4	22.3
9 28	22 19.32	−10 11.3	1.523	2.431	12.6	22.6
10 8	22 15.46	−10 49.2	1.616	2.443	16.2	22.9

499073 2009 EB_{22} 8 31.9 220°.82 3°.0/29.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 7.12	−12 31.5	1.423	2.319	15.1	21.7
8 9	23 1.59	−13 25.7	1.360	2.316	10.9	21.5
8 19	22 53.55	−14 28.1	1.319	2.312	6.3	21.2
8 29	22 43.86	−15 30.4	1.302	2.308	3.0	21.0
9 8	22 33.77	−16 23.9	1.312	2.304	5.8	21.2
9 18	22 24.59	−17 1.7	1.347	2.299	10.4	21.4
9 28	22 17.51	−17 19.7	1.404	2.295	14.7	21.7
10 8	22 13.27	−17 17.4	1.481	2.290	18.3	21.9

364142 2006 DN_{62} 8 31.9 70°.91 2°.9/ 3.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 7.76	+ 2 58.9	1.250	2.111	19.0	20.6
8 9	23 1.72	+ 2 7.4	1.217	2.146	14.4	20.4
8 19	22 53.36	+ 0 51.3	1.203	2.182	9.2	20.2
8 29	22 43.75	− 0 42.4	1.214	2.216	4.2	20.0
9 8	22 34.23	− 2 23.2	1.250	2.251	3.9	20.1
9 18	22 26.04	− 4 0.5	1.312	2.285	8.3	20.5
9 28	22 20.14	− 5 25.0	1.398	2.318	12.7	20.8
10 8	22 17.03	− 6 31.2	1.505	2.350	16.3	21.1

208940 2002 VE_{57} 8 31.9 324°.86 0°.1/31.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.61	− 5 45.7	1.675	2.560	13.8	20.3
8 9	22 56.56	− 6 27.6	1.602	2.551	10.1	20.0
8 19	22 50.52	− 7 22.9	1.551	2.542	5.9	19.7
8 29	22 43.17	− 8 26.7	1.526	2.534	1.3	19.4
9 8	22 35.44	− 9 31.9	1.526	2.527	3.4	19.6
9 18	22 28.35	−10 31.5	1.553	2.520	8.0	19.8
9 28	22 22.84	−11 19.4	1.604	2.513	12.1	20.1
10 8	22 19.57	−11 51.9	1.677	2.506	15.6	20.3

371608 2006 XD_{6} 8 31.9 340°.14 0°.8/31.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 54.23	− 6 17.9	0.928	1.851	18.5	19.5
8 9	22 53.06	− 7 2.0	0.861	1.830	13.7	19.2
8 19	22 49.02	− 8 8.9	0.812	1.810	8.0	18.8
8 29	22 42.90	− 9 31.3	0.783	1.792	1.7	18.4
9 8	22 36.06	−10 56.8	0.774	1.776	5.2	18.5
9 18	22 30.10	−12 12.2	0.786	1.762	11.6	18.8
9 28	22 26.56	−13 6.5	0.816	1.750	17.5	19.1
10 8	22 26.38	−13 33.5	0.863	1.741	22.4	19.4

252762 2002 EY_{58} 8 31.9 292°.78 0°.2/ 1.2 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.09	− 6 27.9	4.224	5.082	6.7	19.8
8 9	22 52.22	− 6 39.8	4.140	5.076	4.9	19.6
8 19	22 47.58	− 6 56.1	4.083	5.069	2.9	19.5
8 29	22 42.46	− 7 15.0	4.055	5.063	0.7	19.3
9 8	22 37.23	− 7 34.8	4.056	5.057	1.5	19.4
9 18	22 32.23	− 7 53.4	4.087	5.050	3.6	19.5
9 28	22 27.83	− 8 9.1	4.147	5.044	5.6	19.7
10 8	22 24.31	− 8 20.3	4.232	5.037	7.3	19.8

342624 2008 UM_{342} 8 31.9 47°.94 1°.8/30.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.94	−10 8.5	1.486	2.381	14.6	21.1
8 9	22 58.98	−10 52.4	1.436	2.391	10.5	20.8
8 19	22 51.87	−11 45.2	1.408	2.402	5.9	20.6
8 29	22 43.45	−12 39.9	1.405	2.413	1.9	20.4
9 8	22 34.86	−13 29.1	1.427	2.424	4.6	20.6
9 18	22 27.22	−14 6.7	1.475	2.435	9.0	20.9
9 28	22 21.48	−14 28.7	1.547	2.447	13.0	21.2
10 8	22 18.25	−14 33.7	1.639	2.458	16.4	21.4

162189 1999 RQ_{2} 8 31.9 58°.94 13°.5/15.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 59.78	+26 8.0	1.039	1.810	27.9	19.2
8 9	22 56.90	+26 1.1	0.981	1.818	24.7	19.0
8 19	22 51.09	+24 58.0	0.933	1.827	21.0	18.8
8 29	22 43.33	+22 53.4	0.902	1.836	17.1	18.6
9 8	22 35.12	+19 51.3	0.889	1.845	14.2	18.5
9 18	22 28.08	+16 7.0	0.897	1.854	13.6	18.5
9 28	22 23.59	+12 4.9	0.929	1.864	15.7	18.6
10 8	22 22.43	+ 8 10.7	0.982	1.874	19.1	18.9

19889 2304 $T\text{-}_{2}$ 8 31.9 275°.88 1°.2/30.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.97	−10 4.7	2.162	3.043	11.3	19.2
8 9	22 57.15	−10 39.4	2.087	3.036	8.1	19.0
8 19	22 50.70	−11 21.0	2.036	3.028	4.6	18.8
8 29	22 43.20	−12 4.9	2.012	3.020	1.4	18.5
9 8	22 35.42	−12 46.2	2.016	3.012	3.5	18.7
9 18	22 28.16	−13 20.4	2.048	3.005	7.1	18.9
9 28	22 22.19	−13 43.9	2.105	2.997	10.4	19.1
10 8	22 18.08	−13 54.7	2.185	2.989	13.3	19.2

496429 2014 JH_{27} 8 31.9 252°.06 2°.4/29.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.62	−11 15.2	2.110	2.996	11.3	21.3
8 9	22 57.04	−12 35.5	2.029	2.981	8.2	21.1
8 19	22 50.72	−14 4.7	1.973	2.965	4.7	20.8
8 29	22 43.23	−15 36.3	1.944	2.949	2.4	20.7
9 8	22 35.34	−17 2.9	1.945	2.933	4.7	20.8
9 18	22 27.91	−18 17.7	1.973	2.917	8.2	21.0
9 28	22 21.77	−19 16.0	2.027	2.900	11.6	21.2
10 8	22 17.54	−19 55.3	2.102	2.883	14.6	21.3

287347 Mézes 8 31.9 292°.55 3°.8/28.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 2.74	−16 11.5	1.853	2.750	12.1	20.6
8 9	22 57.95	−17 14.5	1.789	2.745	8.8	20.4
8 19	22 51.26	−18 20.9	1.749	2.739	5.5	20.1
8 29	22 43.34	−19 23.5	1.735	2.734	3.9	20.0
9 8	22 35.13	−20 15.5	1.748	2.729	6.0	20.2
9 18	22 27.58	−20 51.5	1.787	2.724	9.4	20.4
9 28	22 21.60	−21 8.7	1.849	2.719	12.8	20.6
10 8	22 17.79	−21 6.8	1.933	2.714	15.6	20.8

518943 2010 GP_{163} 8 31.9 22°.08 6°.0/27.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 7.64	−22 46.0	1.574	2.474	13.7	20.2
8 9	23 1.63	−23 19.2	1.527	2.479	10.3	20.0
8 19	22 53.36	−23 47.3	1.503	2.486	7.2	19.9
8 29	22 43.79	−24 2.9	1.504	2.493	6.0	19.8
9 8	22 34.14	−24 0.7	1.530	2.501	7.9	20.0
9 18	22 25.57	−23 38.3	1.580	2.509	11.1	20.2
9 28	22 19.07	−22 56.4	1.654	2.518	14.3	20.4
10 8	22 15.21	−21 57.9	1.747	2.527	17.1	20.6

45087 1999 XM_{46} 8 31.9 82°.93 7°.4/ 8.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.50	+14 26.7	1.861	2.643	16.8	18.7
8 9	22 58.39	+14 43.5	1.800	2.660	14.1	18.5
8 19	22 51.45	+14 34.9	1.757	2.677	11.2	18.4
8 29	22 43.38	+14 0.7	1.737	2.693	8.6	18.2
9 8	22 35.10	+13 3.7	1.743	2.710	7.4	18.2
9 18	22 27.54	+11 50.0	1.774	2.726	8.3	18.3
9 28	22 21.56	+10 27.3	1.830	2.743	10.6	18.5
10 8	22 17.72	+ 9 4.1	1.910	2.759	13.2	18.7

356218 2009 SZ_{117} 8 31.9 277°.50 1°.1/ 3.1 15

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 54.61	− 0 39.3	4.453	5.290	6.8	22.0
8 9	22 51.16	− 0 55.0	4.361	5.279	5.1	21.8
8 19	22 46.98	− 1 17.3	4.294	5.269	3.3	21.7
8 29	22 42.35	− 1 44.6	4.256	5.258	1.6	21.6
9 8	22 37.59	− 2 15.3	4.248	5.247	1.5	21.5
9 18	22 33.04	− 2 47.3	4.269	5.237	3.3	21.7
9 28	22 29.02	− 3 18.4	4.319	5.226	5.1	21.8
10 8	22 25.81	− 3 46.5	4.395	5.215	6.8	21.9

229604 2006 CF_{22} 8 31.9 272°.10 2°.0/30.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.85	−10 44.6	1.722	2.611	13.3	20.7
8 9	22 58.96	−11 33.9	1.644	2.597	9.6	20.5
8 19	22 51.96	−12 32.4	1.590	2.583	5.5	20.2
8 29	22 43.53	−13 33.7	1.561	2.569	2.1	20.0
9 8	22 34.65	−14 30.7	1.560	2.554	4.6	20.1
9 18	22 26.38	−15 16.9	1.585	2.540	8.9	20.3
9 28	22 19.75	−15 47.4	1.634	2.525	12.9	20.5
10 8	22 15.48	−16 0.4	1.703	2.511	16.4	20.7

401243 2012 BR_{24} 8 31.9 117°.25 2°.6/28.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.28	−13 25.9	2.372	3.259	10.2	21.0
8 9	22 55.76	−14 38.6	2.314	3.266	7.3	20.8
8 19	22 49.82	−15 55.6	2.282	3.273	4.3	20.6
8 29	22 43.00	−17 11.1	2.278	3.280	2.6	20.5
9 8	22 36.02	−18 19.4	2.303	3.287	4.5	20.7
9 18	22 29.56	−19 15.7	2.355	3.294	7.4	20.9
9 28	22 24.28	−19 56.9	2.434	3.301	10.2	21.1
10 8	22 20.67	−20 22.0	2.535	3.307	12.6	21.3

143648 2003 QP_{17} 8 31.9 73°.45 0°.6/31.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 6.28	−10 0.0	2.188	3.061	11.5	19.2
8 9	23 0.06	−10 2.0	2.131	3.074	8.3	19.1
8 19	22 52.26	−10 8.9	2.098	3.088	4.7	18.9
8 29	22 43.55	−10 17.6	2.092	3.101	1.1	18.6
9 8	22 34.74	−10 24.5	2.116	3.114	3.0	18.8
9 18	22 26.64	−10 26.8	2.167	3.128	6.5	19.1
9 28	22 19.97	−10 22.4	2.246	3.141	9.7	19.3
10 8	22 15.22	−10 9.9	2.348	3.154	12.4	19.5

349916 2009 QE_{59} 8 31.9 239°.38 1°.8/28.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.59	−17 2.2	4.424	5.303	6.0	20.5
8 9	22 52.56	−17 25.5	4.354	5.301	4.3	20.4
8 19	22 47.77	−17 49.0	4.311	5.299	2.6	20.3
8 29	22 42.53	−18 10.5	4.297	5.296	1.8	20.2
9 8	22 37.20	−18 28.0	4.313	5.294	2.8	20.3
9 18	22 32.13	−18 39.7	4.358	5.291	4.4	20.4
9 28	22 27.66	−18 44.5	4.430	5.288	6.1	20.5
10 8	22 24.09	−18 41.8	4.527	5.286	7.6	20.6

298154 2002 TG_{18} 8 31.9 325°.44 0°.5/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.19	− 8 3.6	1.366	2.265	15.4	20.6
8 9	22 57.62	− 8 19.5	1.276	2.233	11.4	20.3
8 19	22 51.50	− 8 48.1	1.208	2.202	6.7	19.9
8 29	22 43.49	− 9 24.7	1.162	2.171	1.5	19.5
9 8	22 34.70	−10 2.5	1.141	2.142	4.2	19.6
9 18	22 26.45	−10 34.4	1.143	2.113	9.7	19.9
9 28	22 20.08	−10 54.1	1.168	2.086	14.8	20.1
10 8	22 16.56	−10 57.6	1.212	2.060	19.3	20.3

66628 1999 RF_{208} 8 31.9 22°.72 11°.1/12.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 56.95	+19 52.8	1.244	2.038	22.9	18.0
8 9	22 54.34	+20 13.0	1.191	2.050	19.9	17.8
8 19	22 49.38	+19 52.4	1.153	2.063	16.5	17.7
8 29	22 42.94	+18 49.1	1.133	2.078	13.3	17.5
9 8	22 36.22	+17 7.3	1.134	2.094	11.3	17.5
9 18	22 30.45	+14 57.0	1.156	2.112	11.4	17.5
9 28	22 26.70	+12 32.9	1.201	2.130	13.4	17.7
10 8	22 25.62	+10 10.2	1.267	2.149	16.3	18.0

284061 2005 CV_{64} 8 31.9 338°.24 0°.9/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 5.28	− 9 31.6	1.689	2.574	13.7	20.1
8 9	22 59.88	− 9 49.0	1.622	2.572	9.9	19.8
8 19	22 52.42	−10 14.4	1.578	2.570	5.7	19.6
8 29	22 43.63	−10 43.0	1.559	2.568	1.4	19.3
9 8	22 34.53	−11 9.4	1.568	2.566	3.8	19.5
9 18	22 26.21	−11 28.8	1.602	2.565	8.2	19.7
9 28	22 19.61	−11 37.5	1.662	2.564	12.1	20.0
10 8	22 15.38	−11 33.7	1.742	2.562	15.5	20.2

323670 2005 EM_{117} 8 31.9 137°.27 0°.8/31.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 6.41	− 7 38.2	1.531	2.416	14.9	21.8
8 9	23 0.82	− 8 18.5	1.472	2.421	10.8	21.5
8 19	22 52.99	− 9 10.4	1.435	2.427	6.2	21.3
8 29	22 43.75	−10 7.8	1.423	2.432	1.4	21.0
9 8	22 34.25	−11 3.1	1.437	2.436	4.0	21.2
9 18	22 25.63	−11 49.7	1.478	2.441	8.7	21.5
9 28	22 18.93	−12 22.6	1.543	2.445	12.9	21.7
10 8	22 14.81	−12 39.3	1.629	2.449	16.4	22.0

404554 2013 JR_{40} 8 31.9 190°.61 2°.5/28.7 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 0.97	−14 35.2	2.652	3.536	9.4	21.2
8 9	22 56.17	−15 33.3	2.585	3.535	6.7	21.0
8 19	22 50.04	−16 34.5	2.543	3.533	4.0	20.8
8 29	22 43.07	−17 34.0	2.530	3.532	2.5	20.7
9 8	22 35.90	−18 27.1	2.546	3.530	4.2	20.8
9 18	22 29.18	−19 9.8	2.590	3.527	6.9	21.0
9 28	22 23.53	−19 39.5	2.661	3.525	9.5	21.2
10 8	22 19.42	−19 55.3	2.754	3.522	11.8	21.4

494425 2016 UQ_{83} 8 31.9 359°.18 9°.5/25.5 16

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 6.71	−28 21.6	1.291	2.198	15.5	20.7
8 9	23 1.53	−29 18.7	1.246	2.195	12.4	20.5
8 19	22 53.55	−30 4.4	1.222	2.193	10.0	20.4
8 29	22 43.88	−30 28.3	1.220	2.192	9.6	20.4
9 8	22 34.02	−30 23.1	1.241	2.192	11.6	20.5
9 18	22 25.46	−29 46.8	1.284	2.194	14.6	20.7
9 28	22 19.40	−28 42.1	1.346	2.196	17.8	20.9
10 8	22 16.47	−27 14.6	1.425	2.199	20.5	21.1

219140 1998 WO_{39} 8 31.9 290°.26 0°.5/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 54.96	− 4 30.3	4.248	5.102	6.8	20.5
8 9	22 51.43	− 4 50.0	4.163	5.095	5.0	20.4
8 19	22 47.15	− 5 15.0	4.104	5.088	3.0	20.2
8 29	22 42.41	− 5 43.7	4.074	5.081	0.9	20.0
9 8	22 37.54	− 6 14.0	4.073	5.074	1.4	20.1
9 18	22 32.90	− 6 43.7	4.103	5.068	3.5	20.2
9 28	22 28.83	− 7 10.8	4.160	5.061	5.5	20.4
10 8	22 25.62	− 7 33.4	4.244	5.054	7.2	20.5

179282 2001 VY_{5} 8 31.9 263°.91 1°.6/ 2.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.27	− 1 1.4	2.190	3.044	12.2	21.0
8 9	22 56.70	− 1 27.9	2.101	3.030	9.2	20.7
8 19	22 50.50	− 2 8.0	2.036	3.016	5.8	20.5
8 29	22 43.21	− 2 59.0	1.997	3.001	2.4	20.3
9 8	22 35.55	− 3 56.4	1.985	2.987	2.7	20.3
9 18	22 28.32	− 4 55.0	2.003	2.972	6.2	20.5
9 28	22 22.30	− 5 49.3	2.046	2.956	9.8	20.6
10 8	22 18.08	− 6 34.8	2.114	2.941	12.9	20.8

319388 2006 EP_{26} 8 31.9 224°.29 0°.4/31.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.46	− 8 42.5	2.504	3.373	10.4	21.6
8 9	22 58.01	− 8 53.9	2.428	3.370	7.5	21.4
8 19	22 51.12	− 9 10.9	2.377	3.366	4.3	21.2
8 29	22 43.33	− 9 30.7	2.354	3.363	0.9	20.9
9 8	22 35.33	− 9 49.9	2.359	3.359	2.6	21.1
9 18	22 27.81	−10 5.2	2.394	3.355	6.0	21.3
9 28	22 21.45	−10 14.1	2.456	3.350	9.0	21.5
10 8	22 16.73	−10 14.8	2.541	3.346	11.6	21.7

79090 1979 MZ_{8} 8 31.9 325°.90 6°.8/ 5.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.14	+ 6 34.4	1.445	2.292	17.7	18.2
8 9	22 57.48	+ 7 19.3	1.354	2.266	14.5	18.0
8 19	22 51.39	+ 7 42.8	1.281	2.240	11.0	17.7
8 29	22 43.48	+ 7 42.9	1.231	2.215	7.8	17.4
9 8	22 34.80	+ 7 20.5	1.203	2.191	7.0	17.3
9 18	22 26.60	+ 6 39.9	1.199	2.168	9.5	17.4
9 28	22 20.15	+ 5 48.8	1.218	2.146	13.4	17.6
10 8	22 16.40	+ 4 56.2	1.256	2.125	17.4	17.7

273437 2006 WC_{153} 8 31.9 256°.42 1°.0/31.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 5.66	− 8 37.3	1.684	2.567	13.8	21.6
8 9	23 0.34	− 9 13.2	1.604	2.553	10.1	21.3
8 19	22 52.81	− 9 59.8	1.548	2.539	5.8	21.0
8 29	22 43.77	−10 51.7	1.516	2.525	1.4	20.7
9 8	22 34.24	−11 42.0	1.512	2.511	4.0	20.9
9 18	22 25.33	−12 24.4	1.535	2.496	8.6	21.1
9 28	22 18.14	−12 54.0	1.582	2.481	12.8	21.3
10 8	22 13.39	−13 8.0	1.650	2.465	16.5	21.5

365345 2009 SS_{263} 8 31.9 2°.83 2°.5/ 3.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	22 57.91	+ 3 40.5	2.105	2.948	13.1	20.7
8 9	22 54.23	+ 2 51.0	2.029	2.947	10.1	20.5
8 19	22 49.04	+ 1 43.0	1.976	2.947	6.7	20.3
8 29	22 42.88	+ 0 19.9	1.948	2.948	3.5	20.1
9 8	22 36.47	− 1 12.6	1.948	2.948	3.0	20.1
9 18	22 30.55	− 2 47.6	1.977	2.949	6.0	20.3
9 28	22 25.86	− 4 17.8	2.032	2.950	9.4	20.5
10 8	22 22.91	− 5 37.6	2.112	2.951	12.5	20.7

473413 2015 VY_{117} 8 31.9 281°.04 4°.9/ 6.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 0.25	+ 9 18.5	2.425	3.225	12.8	21.5
8 9	22 55.89	+ 9 22.5	2.325	3.207	10.5	21.3
8 19	22 50.02	+ 9 9.2	2.248	3.189	8.0	21.1
8 29	22 43.12	+ 8 38.3	2.195	3.170	5.7	21.0
9 8	22 35.84	+ 7 52.3	2.170	3.152	4.9	20.9
9 18	22 28.89	+ 6 54.9	2.172	3.133	6.4	21.0
9 28	22 23.02	+ 5 51.4	2.200	3.115	9.0	21.1
10 8	22 18.79	+ 4 47.8	2.254	3.096	11.7	21.2

162153 1999 AP_{16} 8 31.9 103°.24 3°.5/ 3.4 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 6.96	+ 1 21.3	1.372	2.235	17.6	20.0
8 9	23 1.41	+ 1 19.2	1.313	2.243	13.5	19.7
8 19	22 53.43	+ 0 56.3	1.273	2.251	8.9	19.5
8 29	22 43.89	+ 0 15.3	1.257	2.258	4.5	19.3
9 8	22 34.04	− 0 37.8	1.267	2.266	4.3	19.3
9 18	22 25.17	− 1 35.4	1.301	2.274	8.4	19.5
9 28	22 18.40	− 2 29.3	1.359	2.281	12.8	19.8
10 8	22 14.42	− 3 13.3	1.439	2.288	16.7	20.1

149922 2005 SF_{113} 8 31.9 4°.40 2°.8/29.6 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.80	−14 32.3	1.723	2.618	12.9	19.2
8 9	22 58.76	−15 1.8	1.663	2.618	9.3	19.0
8 19	22 51.74	−15 34.8	1.626	2.619	5.5	18.8
8 29	22 43.50	−16 5.5	1.615	2.620	2.9	18.6
9 8	22 35.02	−16 28.1	1.630	2.621	5.1	18.8
9 18	22 27.34	−16 38.4	1.671	2.623	8.8	19.0
9 28	22 21.35	−16 34.2	1.737	2.625	12.4	19.2
10 8	22 17.66	−16 15.1	1.823	2.628	15.5	19.5

311906 2007 AJ_{8} 8 31.9 292°.30 0°.8/ 1.7 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.60	− 3 51.3	2.009	2.877	12.6	21.8
8 9	22 57.10	− 4 14.1	1.921	2.859	9.4	21.5
8 19	22 50.82	− 4 49.3	1.855	2.841	5.7	21.3
8 29	22 43.32	− 5 33.7	1.815	2.823	1.8	21.0
9 8	22 35.40	− 6 22.4	1.803	2.805	2.8	21.0
9 18	22 27.93	− 7 10.1	1.818	2.787	6.9	21.2
9 28	22 21.78	− 7 51.5	1.860	2.769	10.7	21.4
10 8	22 17.60	− 8 22.7	1.923	2.751	14.0	21.6

262459 2006 UG_{128} 8 31.9 142°.95 2°.8/ 3.5 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 5.53	+ 1 50.4	1.774	2.621	14.9	21.5
8 9	22 59.94	+ 1 30.2	1.708	2.630	11.4	21.3
8 19	22 52.42	+ 0 52.0	1.664	2.638	7.5	21.1
8 29	22 43.66	− 0 1.1	1.645	2.646	3.8	20.8
9 8	22 34.65	− 1 3.7	1.654	2.653	3.5	20.8
9 18	22 26.38	− 2 9.2	1.690	2.660	7.1	21.1
9 28	22 19.75	− 3 10.7	1.751	2.666	10.9	21.3
10 8	22 15.36	− 4 2.8	1.836	2.672	14.2	21.6

55644 2582 P–L 8 31.9 297°.07 2°.1/30.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 4.96	−11 0.4	1.456	2.352	14.8	19.4
8 9	23 0.14	−11 36.2	1.380	2.335	10.8	19.1
8 19	22 52.84	−12 21.6	1.325	2.319	6.2	18.8
8 29	22 43.81	−13 9.9	1.295	2.302	2.2	18.5
9 8	22 34.22	−13 53.6	1.290	2.286	5.0	18.7
9 18	22 25.34	−14 25.8	1.310	2.270	9.9	18.9
9 28	22 18.41	−14 41.7	1.353	2.254	14.4	19.1
10 8	22 14.24	−14 39.4	1.416	2.239	18.3	19.4

283234 2010 TG_{34} 8 31.9 82°.98 3°.8/29.2 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 7.85	−14 40.8	1.350	2.251	15.4	20.8
8 9	23 2.06	−15 33.6	1.302	2.260	11.1	20.5
8 19	22 53.78	−16 30.9	1.276	2.269	6.6	20.3
8 29	22 43.97	−17 24.0	1.274	2.277	3.8	20.2
9 8	22 33.98	−18 4.7	1.297	2.286	6.4	20.4
9 18	22 25.12	−18 27.2	1.345	2.295	10.7	20.6
9 28	22 18.51	−18 29.3	1.416	2.303	14.8	20.9
10 8	22 14.78	−18 11.7	1.505	2.312	18.2	21.1

335123 2004 TF_{272} 8 31.9 306°.02 0°.9/ 1.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 3.65	− 4 42.6	1.554	2.434	14.9	20.6
8 9	22 59.01	− 4 55.1	1.475	2.420	11.2	20.4
8 19	22 52.10	− 5 21.3	1.417	2.406	6.7	20.1
8 29	22 43.63	− 5 57.8	1.384	2.391	2.0	19.7
9 8	22 34.65	− 6 38.7	1.376	2.378	3.4	19.8
9 18	22 26.31	− 7 17.8	1.394	2.364	8.3	20.1
9 28	22 19.73	− 7 49.1	1.436	2.351	12.8	20.3
10 8	22 15.68	− 8 8.4	1.498	2.338	16.6	20.5

514056 2014 OQ_{208} 8 31.9 56°.29 0°.1/ 1.1 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.43	− 5 39.5	2.058	2.930	12.1	21.3
8 9	22 56.70	− 6 9.5	2.001	2.943	8.8	21.1
8 19	22 50.41	− 6 49.2	1.968	2.957	5.1	21.0
8 29	22 43.19	− 7 34.6	1.962	2.970	1.2	20.7
9 8	22 35.84	− 8 20.7	1.983	2.984	2.7	20.8
9 18	22 29.13	− 9 2.6	2.032	2.998	6.5	21.1
9 28	22 23.78	− 9 36.4	2.108	3.012	9.8	21.4
10 8	22 20.27	− 9 59.2	2.206	3.026	12.7	21.6

59297 1999 CD_{66} 8 31.9 263°.42 0°.6/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 4.12	− 4 8.6	1.720	2.592	14.1	18.8
8 9	22 59.20	− 4 39.7	1.636	2.577	10.5	18.6
8 19	22 52.16	− 5 25.3	1.574	2.562	6.3	18.3
8 29	22 43.65	− 6 21.4	1.538	2.546	1.8	18.0
9 8	22 34.63	− 7 21.7	1.529	2.530	3.2	18.1
9 18	22 26.17	− 8 19.5	1.546	2.514	7.9	18.3
9 28	22 19.32	− 9 8.3	1.589	2.497	12.2	18.5
10 8	22 14.80	− 9 43.8	1.653	2.481	15.9	18.7

39127 2000 WY_{45} 8 31.9 208°.88 0°.5/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 2.60	− 3 52.5	1.768	2.641	13.8	19.5
8 9	22 57.90	− 4 34.0	1.698	2.640	10.2	19.3
8 19	22 51.28	− 5 29.9	1.651	2.639	6.0	19.1
8 29	22 43.42	− 6 35.3	1.629	2.638	1.6	18.8
9 8	22 35.25	− 7 43.5	1.635	2.636	3.1	18.9
9 18	22 27.73	− 8 47.8	1.668	2.635	7.4	19.2
9 28	22 21.76	− 9 42.1	1.726	2.633	11.4	19.4
10 8	22 17.98	−10 22.3	1.805	2.632	14.8	19.6

287443 2002 XP_{38} 8 31.9 18°.81 20°.4/18.3 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 7.24	+30 22.3	1.132	1.854	28.5	20.0
8 9	23 2.80	+32 43.0	1.075	1.854	26.6	19.8
8 19	22 54.89	+34 20.9	1.029	1.855	24.4	19.6
8 29	22 44.36	+35 4.2	0.996	1.856	22.4	19.5
9 8	22 32.81	+34 46.3	0.976	1.857	21.0	19.4
9 18	22 22.21	+33 28.8	0.973	1.858	20.4	19.4
9 28	22 14.42	+31 22.4	0.986	1.859	20.9	19.4
10 8	22 10.62	+28 45.6	1.015	1.861	22.3	19.6

483849 2005 YN_{22} 8 31.9 264°.75 0°.2/31.6 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.48	− 7 4.8	2.357	3.228	10.9	22.3
8 9	22 56.75	− 7 35.0	2.273	3.215	7.9	22.1
8 19	22 50.49	− 8 13.7	2.213	3.202	4.6	21.9
8 29	22 43.24	− 8 57.2	2.180	3.189	1.0	21.6
9 8	22 35.67	− 9 41.2	2.176	3.175	2.7	21.7
9 18	22 28.54	−10 21.3	2.200	3.162	6.3	21.9
9 28	22 22.55	−10 53.6	2.250	3.148	9.6	22.1
10 8	22 18.25	−11 15.5	2.324	3.134	12.4	22.3

30179 Movva 8 31.9 142°.26 1°.5/ 2.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 6.53	− 2 20.5	1.837	2.696	14.0	19.4
8 9	23 0.60	− 2 38.1	1.773	2.705	10.4	19.2
8 19	22 52.76	− 3 9.3	1.731	2.714	6.4	19.0
8 29	22 43.75	− 3 50.5	1.716	2.721	2.4	18.7
9 8	22 34.50	− 4 36.6	1.728	2.729	3.0	18.8
9 18	22 26.00	− 5 22.1	1.768	2.736	7.0	19.0
9 28	22 19.12	− 6 1.7	1.834	2.742	10.8	19.3
10 8	22 14.45	− 6 31.6	1.922	2.748	14.0	19.5

146022 2000 DF_{5} 8 31.9 110°.21 2°.1/30.1 17

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 6.79	−11 6.4	1.660	2.547	13.8	20.2
8 9	23 0.88	−11 57.4	1.610	2.562	9.9	20.0
8 19	22 52.94	−12 55.5	1.583	2.576	5.6	19.8
8 29	22 43.78	−13 53.9	1.582	2.589	2.2	19.6
9 8	22 34.48	−14 45.3	1.609	2.603	4.6	19.8
9 18	22 26.10	−15 24.4	1.662	2.616	8.7	20.1
9 28	22 19.56	−15 47.7	1.739	2.628	12.4	20.3
10 8	22 15.42	−15 54.2	1.838	2.640	15.5	20.6

173471 2000 RX_{57} 8 31.9 116°.66 0°.7/31.5 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 9.49	− 8 49.7	1.389	2.276	16.0	20.3
8 9	23 3.27	− 9 1.2	1.329	2.280	11.6	20.0
8 19	22 54.52	− 9 22.6	1.291	2.283	6.7	19.8
8 29	22 44.17	− 9 48.5	1.278	2.286	1.5	19.4
9 8	22 33.51	−10 12.5	1.290	2.290	4.1	19.6
9 18	22 23.89	−10 29.3	1.328	2.293	9.2	19.9
9 28	22 16.47	−10 34.9	1.389	2.296	13.7	20.2
10 8	22 11.94	−10 27.3	1.471	2.299	17.5	20.5

200345 2000 JC_{1} 8 31.9 157°.83 7°.6/20.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 7.29	−36 27.1	2.893	3.750	9.5	21.5
8 9	23 0.82	−37 58.0	2.861	3.760	8.2	21.4
8 19	22 52.77	−39 17.7	2.855	3.769	7.6	21.4
8 29	22 43.74	−40 20.3	2.876	3.777	7.9	21.4
9 8	22 34.54	−41 1.6	2.924	3.785	9.0	21.5
9 18	22 25.96	−41 20.1	2.995	3.792	10.4	21.6
9 28	22 18.75	−41 16.4	3.088	3.798	11.9	21.8
10 8	22 13.41	−40 53.1	3.198	3.803	13.1	21.9

520216 2014 DZ_{151} 8 31.9 171°.45 0°.5/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 4.21	− 4 50.5	2.255	3.116	11.6	22.5
8 9	22 58.67	− 5 13.9	2.183	3.119	8.6	22.4
8 19	22 51.57	− 5 46.9	2.136	3.122	5.1	22.1
8 29	22 43.48	− 6 26.3	2.116	3.124	1.4	21.9
9 8	22 35.17	− 7 7.7	2.124	3.125	2.6	22.0
9 18	22 27.40	− 7 46.7	2.161	3.126	6.2	22.2
9 28	22 20.93	− 8 19.3	2.226	3.127	9.5	22.4
10 8	22 16.26	− 8 42.7	2.313	3.127	12.4	22.6

298135 2002 RV_{272} 8 31.9 351°.93 0°.5/ 1.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
7 30	23 1.28	− 4 10.0	1.635	2.515	14.4	21.1
8 9	22 57.07	− 4 44.4	1.567	2.512	10.6	20.8
8 19	22 50.85	− 5 33.5	1.521	2.510	6.3	20.6
8 29	22 43.34	− 6 32.3	1.501	2.509	1.7	20.3
9 8	22 35.51	− 7 34.3	1.506	2.508	3.2	20.4
9 18	22 28.37	− 8 32.5	1.537	2.507	7.7	20.7
9 28	22 22.87	− 9 20.8	1.593	2.506	11.9	20.9
10 8	22 19.64	− 9 54.9	1.671	2.506	15.4	21.2

17050 Weiskopf 8 31.9 351.°88 1.°2/31.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 3.17	− 8 44.1	1.041	1.952	18.1	17.3
8 9	22 59.32	− 9 9.5	0.984	1.947	13.2	17.0
8 19	22 52.52	− 9 49.0	0.947	1.943	7.6	16.7
8 29	22 43.76	−10 35.4	0.930	1.939	1.8	16.3
9 8	22 34.52	−11 19.3	0.937	1.937	5.0	16.5
9 18	22 26.41	−11 52.3	0.965	1.936	10.9	16.8
9 28	22 20.80	−12 8.3	1.014	1.936	16.1	17.1
10 8	22 18.48	−12 4.7	1.080	1.936	20.5	17.4

184299 2005 ES_{78} 8 31.9 0.°10 1.°6/30.4 18

7 30	23 1.50	− 9 23.4	1.596	2.490	13.9	19.5
8 9	22 57.26	−10 16.2	1.534	2.489	10.0	19.3
8 19	22 50.97	−11 19.3	1.494	2.488	5.7	19.0
8 29	22 43.37	−12 26.1	1.480	2.488	1.8	18.8
9 8	22 35.47	−13 28.7	1.492	2.488	4.4	18.9
9 18	22 28.32	−14 20.5	1.529	2.489	8.8	19.2
9 28	22 22.88	−14 56.5	1.591	2.490	12.7	19.4
10 8	22 19.77	−15 14.3	1.672	2.491	16.1	19.7

334392 2002 CC_{118} 8 31.9 196.°68 0.°8/ 1.8 18

7 30	23 1.97	− 1 36.2	2.011	2.870	12.9	20.6
8 9	22 57.28	− 2 39.2	1.934	2.868	9.6	20.4
8 19	22 50.88	− 3 58.2	1.881	2.866	5.8	20.1
8 29	22 43.36	− 5 28.2	1.856	2.863	1.8	19.8
9 8	22 35.52	− 7 2.4	1.858	2.860	2.8	19.9
9 18	22 28.23	− 8 33.3	1.890	2.856	6.8	20.2
9 28	22 22.29	− 9 54.3	1.948	2.852	10.5	20.4
10 8	22 18.29	−11 0.7	2.029	2.848	13.7	20.6

306512 1999 VL_{171} 8 31.9 335.°21 3.°6/ 3.2 17

7 30	22 58.83	− 0 31.6	1.190	2.080	17.9	20.3
8 9	22 56.10	− 0 13.2	1.109	2.054	13.9	20.0
8 19	22 50.72	− 0 14.7	1.046	2.030	9.3	19.7
8 29	22 43.40	− 0 35.2	1.004	2.007	4.7	19.3
9 8	22 35.32	− 1 10.2	0.984	1.986	4.6	19.3
9 18	22 27.87	− 1 52.8	0.987	1.966	9.4	19.5
9 28	22 22.47	− 2 34.4	1.012	1.948	14.6	19.7
10 8	22 20.09	− 3 7.0	1.054	1.932	19.3	19.9

435188 2007 RT_{60} 8 31.9 350.°74 3.°2/ 3.2 18

7 30	22 56.25	− 0 12.2	1.114	2.010	18.4	19.7
8 9	22 54.14	− 0 10.7	1.048	1.997	14.2	19.4
8 19	22 49.49	− 0 32.2	1.000	1.986	9.3	19.1
8 29	22 43.09	− 1 14.3	0.973	1.977	4.4	18.8
9 8	22 36.17	− 2 10.1	0.967	1.970	4.3	18.8
9 18	22 30.08	− 3 10.7	0.984	1.964	9.2	19.0
9 28	22 26.08	− 4 6.3	1.023	1.961	14.2	19.3
10 8	22 25.00	− 4 48.9	1.079	1.960	18.7	19.6

367466 2009 BB_{177} 8 31.9 95.°22 4.°4/28.5 17

7 30	23 9.31	−15 44.5	1.428	2.326	15.0	20.9
8 9	23 2.89	−16 59.6	1.392	2.348	10.8	20.7
8 19	22 54.14	−18 17.1	1.379	2.370	6.6	20.6
8 29	22 44.07	−19 27.2	1.391	2.391	4.5	20.5
9 8	22 33.98	−20 21.5	1.429	2.412	6.9	20.7
9 18	22 25.10	−20 54.9	1.493	2.432	10.7	21.0
9 28	22 18.44	−21 5.6	1.579	2.452	14.4	21.3
10 8	22 14.54	−20 55.4	1.685	2.471	17.4	21.5

321435 2009 QM_{44} 8 31.9 283.°32 1.°6/28.7 17

7 30	22 54.81	−14 48.3	4.300	5.181	6.1	20.3
8 9	22 51.37	−15 30.8	4.222	5.171	4.4	20.2
8 19	22 47.17	−16 15.0	4.171	5.161	2.6	20.0
8 29	22 42.49	−16 58.4	4.149	5.151	1.6	20.0
9 8	22 37.68	−17 38.4	4.157	5.141	2.7	20.0
9 18	22 33.08	−18 12.7	4.194	5.131	4.5	20.2
9 28	22 29.07	−18 39.6	4.259	5.121	6.3	20.3
10 8	22 25.93	−18 57.9	4.347	5.110	7.8	20.4

470486 2008 BV_{26} 8 31.9 158.°72 2.°5/ 2.9 16

7 30	23 8.04	− 0 15.9	1.763	2.614	14.8	22.3
8 9	23 1.82	− 0 18.4	1.694	2.620	11.3	22.1
8 19	22 53.55	− 0 36.3	1.648	2.625	7.3	21.9
8 29	22 43.98	− 1 7.0	1.627	2.630	3.4	21.7
9 8	22 34.10	− 1 46.0	1.634	2.634	3.4	21.7
9 18	22 24.99	− 2 27.8	1.669	2.638	7.3	21.9
9 28	22 17.59	− 3 6.8	1.729	2.641	11.2	22.2
10 8	22 12.54	− 3 38.1	1.811	2.643	14.5	22.4

315177 2007 HB_{47} 8 31.9 112.°34 1.°5/30.1 18

7 30	23 0.83	−10 39.9	2.483	3.362	10.1	21.4
8 9	22 56.09	−11 30.6	2.424	3.372	7.2	21.2
8 19	22 50.02	−12 26.7	2.391	3.383	4.1	21.0
8 29	22 43.15	−13 23.6	2.385	3.393	1.5	20.8
9 8	22 36.13	−14 16.5	2.409	3.402	3.4	21.0
9 18	22 29.63	−15 1.3	2.461	3.412	6.4	21.2
9 28	22 24.27	−15 35.0	2.539	3.421	9.2	21.4
10 8	22 20.49	−15 55.9	2.641	3.431	11.7	21.6

175600 2006 UW_{176} 8 31.9 242.°73 3.°9/27.9 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 3.06	−17 6.3	1.980	2.875	11.6	20.3
8 9	22 58.09	−18 7.3	1.920	2.874	8.4	20.1
8 19	22 51.34	−19 10.3	1.884	2.873	5.3	19.9
8 29	22 43.47	−20 8.5	1.875	2.872	3.9	19.8
9 8	22 35.36	−20 55.7	1.893	2.871	5.9	19.9
9 18	22 27.90	−21 27.4	1.937	2.871	9.1	20.1
9 28	22 21.94	−21 41.1	2.006	2.870	12.1	20.3
10 8	22 18.04	−21 36.8	2.095	2.869	14.8	20.5

454832 2015 RZ_{207} 8 31.9 27.°55 4.°8/27.9 18

7 30	23 4.60	−20 1.6	1.717	2.617	12.7	20.1
8 9	22 59.29	−20 41.7	1.672	2.626	9.4	19.9
8 19	22 52.01	−21 19.7	1.650	2.637	6.2	19.8
8 29	22 43.60	−21 49.0	1.654	2.648	4.9	19.7
9 8	22 35.10	−22 4.1	1.683	2.659	6.7	19.9
9 18	22 27.52	−22 1.9	1.738	2.671	9.9	20.1
9 28	22 21.73	−21 41.9	1.816	2.684	13.0	20.3
10 8	22 18.25	−21 5.4	1.914	2.697	15.7	20.5

40251 1998 XK_{87} 8 31.9 210.°07 2.°8/ 3.1 18

7 30	23 5.09	+ 0 48.6	1.397	2.263	17.1	18.8
8 9	23 0.18	+ 0 27.7	1.328	2.262	13.1	18.6
8 19	22 52.82	− 0 14.9	1.280	2.260	8.5	18.3
8 29	22 43.84	− 1 15.6	1.255	2.258	3.9	18.0
9 8	22 34.42	− 2 27.5	1.255	2.256	3.9	18.0
9 18	22 25.81	− 3 41.8	1.281	2.254	8.5	18.3
9 28	22 19.20	− 4 49.7	1.330	2.251	13.1	18.5
10 8	22 15.33	− 5 44.5	1.401	2.249	17.1	18.8

398250 2010 RD_{143} 8 31.9 41.°79 1.°9/ 2.6 18

7 30	23 2.01	− 1 19.0	1.775	2.640	14.1	20.8
8 9	22 57.35	− 1 33.6	1.718	2.652	10.6	20.6
8 19	22 50.90	− 2 2.8	1.682	2.664	6.7	20.4
8 29	22 43.37	− 2 43.2	1.671	2.676	2.8	20.1
9 8	22 35.65	− 3 29.7	1.688	2.689	3.0	20.2
9 18	22 28.67	− 4 16.6	1.731	2.702	6.8	20.5
9 28	22 23.24	− 4 58.4	1.799	2.715	10.5	20.7
10 8	22 19.90	− 5 30.9	1.889	2.729	13.7	20.9

168177 2006 HU_{83} 8 31.9 319.°33 3.°5/ 3.6 18

7 30	22 59.45	+ 2 19.9	1.149	2.030	19.0	19.5
8 9	22 56.58	+ 1 56.7	1.072	2.013	14.8	19.2
8 19	22 51.01	+ 1 4.8	1.014	1.996	9.9	18.9
8 29	22 43.48	− 0 13.4	0.978	1.980	4.9	18.6
9 8	22 35.24	− 1 49.9	0.964	1.965	4.5	18.5
9 18	22 27.73	− 3 32.8	0.972	1.951	9.5	18.7
9 28	22 22.36	− 5 9.3	1.003	1.937	14.9	19.0
10 8	22 20.07	− 6 28.9	1.053	1.925	19.7	19.2

43421 2000 XN_{27} 8 31.9 146.°77 10.°2/10.9 18

7 30	23 11.24	+21 41.9	2.086	2.795	17.3	18.8
8 9	23 4.11	+22 47.7	2.014	2.807	15.3	18.7
8 19	22 54.91	+23 28.1	1.961	2.819	13.1	18.6
8 29	22 44.32	+23 39.5	1.930	2.830	11.3	18.5
9 8	22 33.33	+23 21.5	1.924	2.840	10.3	18.4
9 18	22 22.99	+22 37.2	1.942	2.849	10.5	18.5
9 28	22 14.30	+21 33.2	1.985	2.857	11.9	18.6
10 8	22 7.92	+20 18.2	2.052	2.865	13.8	18.7

469840 2005 TB_{39} 8 31.9 315.°70 2.°8/ 2.8 18

7 30	23 2.81	− 1 5.2	1.340	2.218	17.0	20.9
8 9	22 58.78	− 1 0.9	1.258	2.199	13.1	20.6
8 19	22 52.19	− 1 15.2	1.196	2.180	8.5	20.3
8 29	22 43.75	− 1 46.2	1.156	2.161	3.9	19.9
9 8	22 34.62	− 2 28.8	1.141	2.143	4.0	19.9
9 18	22 26.13	− 3 16.0	1.150	2.125	8.9	20.1
9 28	22 19.59	− 3 59.7	1.181	2.108	13.9	20.4
10 8	22 15.91	− 4 33.2	1.233	2.092	18.3	20.6

66683 1999 TO_{36} 8 31.9 354.°63 2.°2/ 3.4 18

7 30	22 58.78	+ 1 33.0	1.956	2.810	13.4	18.5
8 9	22 55.00	+ 0 56.1	1.882	2.808	10.3	18.3
8 19	22 49.57	+ 0 1.8	1.830	2.807	6.7	18.1
8 29	22 43.09	− 1 6.5	1.804	2.806	3.2	17.8
9 8	22 36.32	− 2 23.2	1.804	2.805	3.0	17.8
9 18	22 30.10	− 3 41.7	1.832	2.804	6.4	18.0
9 28	22 25.19	− 4 55.2	1.886	2.804	10.0	18.3
10 8	22 22.16	− 5 58.2	1.964	2.804	13.2	18.5

174238 2002 RV_{122} 8 31.9 331.°45 4.°6/27.6 18

7 30	22 59.67	−15 20.8	1.489	2.398	13.7	19.5
8 9	22 56.21	−16 47.8	1.423	2.385	10.0	19.2
8 19	22 50.52	−18 22.0	1.380	2.373	6.2	19.0
8 29	22 43.33	−19 53.6	1.362	2.361	4.7	18.8
9 8	22 35.70	−21 12.6	1.369	2.351	7.3	19.0
9 18	22 28.79	−22 10.9	1.401	2.340	11.3	19.2
9 28	22 23.67	−22 44.2	1.454	2.331	15.1	19.4
10 8	22 21.07	−22 51.7	1.526	2.322	18.4	19.6

41644 2000 SC_{269} 8 31.9 144.°82 6.°4/25.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 8.34	−26 9.0	2.133	3.017	11.3	18.9
8 9	23 1.79	−27 18.9	2.089	3.027	8.7	18.8
8 19	22 53.40	−28 22.5	2.070	3.037	6.8	18.7
8 29	22 43.94	−29 12.5	2.078	3.047	6.5	18.7
9 8	22 34.36	−29 43.6	2.113	3.055	8.1	18.8
9 18	22 25.60	−29 53.2	2.174	3.063	10.4	19.0
9 28	22 18.51	−29 41.5	2.259	3.071	12.8	19.2
10 8	22 13.60	−29 10.8	2.363	3.078	14.9	19.3

249533 2010 GX_{125} 8 31.9 51.°11 2.°8/29.3 18

7 30	23 2.62	−12 34.5	1.681	2.577	13.2	20.3
8 9	22 57.94	−13 37.6	1.627	2.583	9.4	20.0
8 19	22 51.31	−14 47.1	1.597	2.591	5.5	19.8
8 29	22 43.48	−15 55.7	1.593	2.598	2.8	19.7
9 8	22 35.44	−16 55.8	1.615	2.605	5.2	19.9
9 18	22 28.20	−17 41.5	1.664	2.613	9.1	20.1
9 28	22 22.64	−18 9.2	1.736	2.621	12.6	20.3
10 8	22 19.34	−18 18.0	1.829	2.629	15.7	20.6

397764 2008 GE_{40} 8 31.9 66.°35 2.°9/29.0 18

7 30	23 2.96	−13 56.6	1.945	2.836	11.9	20.8
8 9	22 57.86	−14 55.9	1.903	2.856	8.5	20.7
8 19	22 51.11	−15 58.7	1.885	2.877	5.0	20.5
8 29	22 43.41	−16 58.4	1.894	2.898	2.9	20.4
9 8	22 35.65	−17 49.0	1.931	2.918	4.9	20.6
9 18	22 28.66	−18 26.2	1.995	2.939	8.2	20.8
9 28	22 23.18	−18 47.4	2.083	2.959	11.2	21.0
10 8	22 19.69	−18 52.4	2.193	2.980	13.8	21.3

282509 2004 PL_{114} 8 31.9 26.°87 3.°1/29.1 16

7 30	22 55.95	− 6 57.4	0.989	1.909	18.0	18.5
8 9	22 53.83	− 9 17.9	0.959	1.928	12.7	18.3
8 19	22 49.16	−11 55.6	0.950	1.948	7.0	18.1
8 29	22 42.99	−14 34.3	0.963	1.970	3.1	17.9
9 8	22 36.70	−16 56.4	1.000	1.994	6.7	18.2
9 18	22 31.59	−18 49.3	1.060	2.018	11.8	18.6
9 28	22 28.70	−20 6.6	1.140	2.044	16.3	18.9
10 8	22 28.57	−20 48.4	1.238	2.071	19.8	19.2

475387 2006 GA_{28} 8 31.9 158.°14 3.°6/ 4.9 16

7 30	23 2.02	+ 5 40.4	2.029	2.857	14.0	21.7
8 9	22 57.29	+ 5 12.1	1.955	2.861	11.0	21.5
8 19	22 50.88	+ 4 24.4	1.902	2.864	7.7	21.3
8 29	22 43.39	+ 3 19.5	1.875	2.868	4.6	21.2
9 8	22 35.65	+ 2 2.4	1.875	2.871	3.8	21.1
9 18	22 28.46	+ 0 39.5	1.903	2.873	6.4	21.3
9 28	22 22.64	− 0 42.1	1.958	2.876	9.8	21.5
10 8	22 18.73	− 1 56.0	2.037	2.878	12.8	21.7

60328 2000 AH_{7} 8 31.9 249.°01 1.°6/ 4.0 18

7 30	22 55.51	+ 1 34.0	4.539	5.363	6.9	19.5
8 9	22 51.82	+ 1 29.1	4.452	5.359	5.3	19.4
8 19	22 47.42	+ 1 17.3	4.389	5.355	3.6	19.3
8 29	22 42.58	+ 0 59.8	4.355	5.351	2.0	19.2
9 8	22 37.63	+ 0 38.0	4.351	5.347	1.8	19.2
9 18	22 32.89	+ 0 13.8	4.376	5.343	3.3	19.3
9 28	22 28.68	− 0 10.8	4.430	5.339	5.0	19.4
10 8	22 25.28	− 0 33.8	4.510	5.335	6.6	19.5

188509 2004 RR_{36} 8 31.9 326.°94 2.°1/29.4 18

7 30	22 59.03	− 9 59.4	2.024	2.913	11.6	20.0
8 9	22 55.18	−11 24.8	1.955	2.908	8.3	19.8
8 19	22 49.69	−12 59.8	1.911	2.904	4.7	19.5
8 29	22 43.13	−14 37.4	1.894	2.901	2.1	19.3
9 8	22 36.29	−16 10.0	1.906	2.897	4.4	19.5
9 18	22 29.96	−17 30.7	1.945	2.893	8.0	19.7
9 28	22 24.94	−18 34.3	2.009	2.890	11.4	19.9
10 8	22 21.78	−19 18.6	2.095	2.887	14.2	20.1

195232 2002 EB_{8} 8 31.9 252.°66 1.°0/ 2.9 17

7 30	22 53.95	− 0 51.1	4.627	5.465	6.5	20.2
8 9	22 50.70	− 1 16.6	4.541	5.461	4.9	20.1
8 19	22 46.78	− 1 48.4	4.481	5.456	3.1	20.0
8 29	22 42.44	− 2 25.0	4.449	5.452	1.4	19.8
9 8	22 37.99	− 3 4.6	4.447	5.447	1.4	19.8
9 18	22 33.74	− 3 44.9	4.475	5.442	3.1	19.9
9 28	22 30.01	− 4 23.8	4.532	5.438	4.9	20.1
10 8	22 27.05	− 4 59.1	4.615	5.433	6.6	20.2

315399 2007 VE_{141} 8 31.9 188.°35 0.°0/31.7 17

7 30	23 7.92	− 6 22.1	1.611	2.487	14.7	21.6
8 9	23 1.96	− 6 48.5	1.542	2.486	10.8	21.4
8 19	22 53.76	− 7 27.1	1.496	2.486	6.3	21.1
8 29	22 44.09	− 8 12.7	1.476	2.485	1.4	20.8
9 8	22 34.06	− 8 59.1	1.482	2.483	3.5	21.0
9 18	22 24.82	− 9 40.1	1.516	2.481	8.3	21.3
9 28	22 17.45	−10 10.3	1.574	2.478	12.5	21.5
10 8	22 12.62	−10 27.0	1.653	2.475	16.1	21.7

225649 2001 FF_{126} 8 31.9 351.°46 6.°4/26.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 7.39	−26 42.5	2.037	2.925	11.6	19.8
8 9	23 1.21	−27 19.2	1.982	2.922	9.0	19.6
8 19	22 53.13	−27 48.7	1.951	2.921	7.0	19.5
8 29	22 43.91	−28 4.8	1.945	2.919	6.5	19.5
9 8	22 34.55	−28 3.0	1.966	2.918	7.9	19.6
9 18	22 26.02	−27 41.2	2.013	2.917	10.4	19.7
9 28	22 19.19	−27 0.0	2.083	2.916	13.0	19.9
10 8	22 14.60	−26 2.1	2.174	2.915	15.3	20.1

100034 1991 PN_{1} 8 31.9 353.°90 2.°6/ 2.2 18

7 30	22 58.84	− 4 54.4	0.854	1.773	20.2	17.8
8 9	22 56.59	− 4 11.8	0.798	1.761	15.3	17.5
8 19	22 51.17	− 3 45.9	0.758	1.752	9.6	17.1
8 29	22 43.56	− 3 34.9	0.738	1.745	3.8	16.8
9 8	22 35.35	− 3 34.2	0.737	1.741	4.7	16.8
9 18	22 28.28	− 3 37.4	0.757	1.739	10.6	17.2
9 28	22 23.90	− 3 37.5	0.794	1.739	16.3	17.5
10 8	22 23.10	− 3 28.7	0.849	1.743	21.2	17.8

477473 2010 AE_{8} 8 31.9 289.°90 0.°7/ 1.5 18

7 30	23 6.56	− 5 31.3	1.600	2.476	14.8	20.9
8 9	23 1.30	− 5 35.5	1.507	2.450	11.1	20.6
8 19	22 53.60	− 5 51.9	1.436	2.424	6.7	20.3
8 29	22 44.12	− 6 17.5	1.390	2.398	1.9	19.9
9 8	22 33.91	− 6 47.1	1.370	2.371	3.5	20.0
9 18	22 24.21	− 7 15.2	1.376	2.345	8.5	20.2
9 28	22 16.24	− 7 36.2	1.406	2.318	13.2	20.4
10 8	22 10.89	− 7 46.1	1.458	2.291	17.3	20.6

129508 1995 SO_{52} 8 31.9 209.°50 1.°1/ 1.9 18

7 30	23 3.42	− 2 48.6	1.940	2.803	13.2	21.1
8 9	22 58.41	− 3 17.3	1.865	2.800	9.8	20.9
8 19	22 51.60	− 3 59.4	1.813	2.797	6.0	20.7
8 29	22 43.60	− 4 51.4	1.787	2.794	2.0	20.4
9 8	22 35.29	− 5 47.8	1.789	2.790	2.8	20.5
9 18	22 27.57	− 6 42.8	1.818	2.787	6.8	20.7
9 28	22 21.27	− 7 31.0	1.874	2.782	10.6	21.0
10 8	22 17.02	− 8 8.2	1.952	2.778	13.9	21.2

206490 2003 UX_{76} 8 31.9 283.°30 0.°5/ 1.3 18

7 30	23 7.56	− 6 44.3	1.801	2.673	13.6	20.6
8 9	23 1.66	− 6 37.3	1.717	2.658	10.1	20.3
8 19	22 53.61	− 6 39.0	1.655	2.642	6.0	20.1
8 29	22 44.09	− 6 46.6	1.619	2.627	1.6	19.8
9 8	22 34.09	− 6 56.3	1.610	2.612	3.2	19.8
9 18	22 24.68	− 7 4.0	1.629	2.596	7.6	20.1
9 28	22 16.90	− 7 6.2	1.674	2.581	11.8	20.3
10 8	22 11.47	− 7 0.1	1.740	2.565	15.3	20.5

22743 1998 TD_{18} 8 31.9 29.°04 7.°6/ 9.2 18

7 30	22 59.27	+14 21.7	1.685	2.482	17.7	17.4
8 9	22 55.52	+14 34.0	1.628	2.498	14.8	17.3
8 19	22 49.93	+14 18.7	1.590	2.515	11.8	17.1
8 29	22 43.21	+13 35.7	1.573	2.533	9.0	17.0
9 8	22 36.30	+12 28.9	1.581	2.552	7.6	17.0
9 18	22 30.12	+11 5.1	1.613	2.571	8.5	17.1
9 28	22 25.53	+ 9 33.1	1.670	2.591	10.8	17.3
10 8	22 23.08	+ 8 2.2	1.749	2.612	13.5	17.5

119387 2001 TD_{12} 8 31.9 288.°85 0.°8/ 1.6 18

7 30	23 3.77	− 4 8.3	1.563	2.441	15.0	20.5
8 9	22 59.13	− 4 32.0	1.484	2.428	11.2	20.3
8 19	22 52.24	− 5 10.9	1.426	2.415	6.8	20.0
8 29	22 43.79	− 6 0.9	1.394	2.401	2.0	19.7
9 8	22 34.83	− 6 55.6	1.387	2.388	3.4	19.7
9 18	22 26.51	− 7 48.0	1.406	2.375	8.3	20.0
9 28	22 19.93	− 8 31.5	1.449	2.363	12.8	20.2
10 8	22 15.86	− 9 1.5	1.513	2.350	16.6	20.4

288386 2004 CV_{80} 8 31.9 76.°04 1.°4/30.7 17

7 30	23 4.93	− 8 15.1	1.432	2.323	15.3	20.3
8 9	22 59.81	− 9 14.5	1.385	2.338	11.0	20.0
8 19	22 52.46	−10 25.4	1.359	2.353	6.2	19.8
8 29	22 43.79	−11 40.0	1.359	2.368	1.7	19.6
9 8	22 34.96	−12 49.6	1.385	2.383	4.5	19.8
9 18	22 27.13	−13 46.7	1.436	2.397	9.1	20.1
9 28	22 21.28	−14 26.4	1.511	2.412	13.2	20.4
10 8	22 18.00	−14 46.9	1.607	2.427	16.6	20.6

139575 2001 QW_{91} 8 31.9 41.°75 3.°4/ 3.9 18

7 30	23 2.62	+ 2 23.2	1.752	2.602	14.9	19.7
8 9	22 57.90	+ 2 20.8	1.687	2.609	11.6	19.5
8 19	22 51.31	+ 2 0.7	1.644	2.616	7.8	19.3
8 29	22 43.54	+ 1 25.0	1.625	2.623	4.3	19.1
9 8	22 35.51	+ 0 38.3	1.632	2.630	3.8	19.1
9 18	22 28.18	− 0 13.6	1.666	2.637	7.0	19.3
9 28	22 22.42	− 1 4.3	1.725	2.645	10.6	19.6
10 8	22 18.83	− 1 48.3	1.806	2.653	13.9	19.8

410683 2008 VA_{56} 8 31.9 179°.48 1°.1/ 2.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 1.26	− 3 8.9	2.754	3.606	10.1	21.4
8 9	22 56.36	− 3 15.7	2.677	3.606	7.5	21.3
8 19	22 50.21	− 3 30.9	2.625	3.606	4.6	21.1
8 29	22 43.27	− 3 52.5	2.600	3.606	1.8	20.9
9 8	22 36.15	− 4 17.6	2.605	3.606	2.2	20.9
9 18	22 29.45	− 4 43.0	2.639	3.606	5.1	21.1
9 28	22 23.74	− 5 5.7	2.700	3.606	7.9	21.3
10 8	22 19.47	− 5 23.1	2.786	3.605	10.3	21.5

331117 2010 TY_{180} 8 31.9 248°.24 4°.3/ 4.5 18

7 30	23 4.12	+ 4 41.8	1.552	2.397	16.8	21.4
8 9	22 59.40	+ 4 31.7	1.472	2.389	13.2	21.2
8 19	22 52.40	+ 3 58.3	1.413	2.381	9.2	21.0
8 29	22 43.84	+ 3 3.3	1.377	2.372	5.4	20.7
9 8	22 34.75	+ 1 51.8	1.366	2.363	4.7	20.6
9 18	22 26.31	+ 0 31.5	1.382	2.354	8.1	20.8
9 28	22 19.64	− 0 48.4	1.422	2.345	12.3	21.1
10 8	22 15.49	− 1 59.7	1.484	2.335	16.1	21.3

111273 2001 XW_{34} 8 31.9 255°.87 1°.5/30.6 18

7 30	23 5.32	−11 50.7	2.183	3.062	11.3	20.0
8 9	22 59.65	−12 9.8	2.105	3.052	8.2	19.8
8 19	22 52.26	−12 33.6	2.052	3.043	4.7	19.6
8 29	22 43.77	−12 57.8	2.025	3.033	1.6	19.3
9 8	22 34.97	−13 18.3	2.027	3.022	3.6	19.5
9 18	22 26.72	−13 31.4	2.057	3.012	7.2	19.7
9 28	22 19.82	−13 34.4	2.113	3.002	10.6	19.9
10 8	22 14.86	−13 26.2	2.192	2.991	13.5	20.1

446961 2003 ST_{365} 8 31.9 347°.30 1°.8/ 2.8 18

7 30	22 59.74	− 0 57.7	1.972	2.834	13.0	21.2
8 9	22 55.72	− 1 17.3	1.897	2.830	9.9	21.0
8 19	22 50.02	− 1 51.0	1.845	2.826	6.3	20.8
8 29	22 43.26	− 2 36.2	1.818	2.822	2.7	20.5
9 8	22 36.20	− 3 27.9	1.818	2.819	2.8	20.5
9 18	22 29.67	− 4 20.9	1.845	2.817	6.5	20.8
9 28	22 24.48	− 5 9.4	1.898	2.815	10.1	21.0
10 8	22 21.17	− 5 49.0	1.974	2.813	13.2	21.2

52855 1998 RW_{76} 8 31.9 279°.18 4°.3/28.9 18

7 30	23 7.85	−15 5.9	1.254	2.159	16.1	18.4
8 9	23 2.48	−16 1.7	1.196	2.155	11.7	18.2
8 19	22 54.30	−17 3.3	1.158	2.151	7.1	17.9
8 29	22 44.27	−18 1.0	1.145	2.147	4.3	17.7
9 8	22 33.81	−18 45.3	1.155	2.143	7.1	17.9
9 18	22 24.42	−19 9.3	1.190	2.140	11.8	18.1
9 28	22 17.41	−19 10.0	1.245	2.136	16.2	18.4
10 8	22 13.54	−18 48.3	1.319	2.132	20.0	18.6

362957 2013 AY_{91} 8 31.9 305°.21 0°.0/31.7 18

7 30	23 3.66	− 6 53.6	1.833	2.711	13.1	20.4
8 9	22 58.70	− 7 12.0	1.758	2.704	9.6	20.2
8 19	22 51.82	− 7 40.3	1.707	2.697	5.6	20.0
8 29	22 43.69	− 8 14.7	1.681	2.690	1.3	19.7
9 8	22 35.21	− 8 50.0	1.682	2.683	3.1	19.8
9 18	22 27.35	− 9 21.2	1.711	2.677	7.4	20.0
9 28	22 21.02	− 9 43.8	1.764	2.670	11.3	20.3
10 8	22 16.86	− 9 55.0	1.839	2.664	14.6	20.5

483123 2015 OF_{1} 8 31.9 357°.46 3°.3/29.1 18

7 30	23 2.31	−14 6.3	1.613	2.514	13.4	20.7
8 9	22 57.89	−14 59.0	1.554	2.512	9.6	20.5
8 19	22 51.39	−15 57.0	1.517	2.510	5.7	20.3
8 29	22 43.59	−16 53.0	1.506	2.509	3.3	20.1
9 8	22 35.50	−17 39.7	1.520	2.509	5.6	20.3
9 18	22 28.19	−18 11.6	1.560	2.509	9.5	20.5
9 28	22 22.62	−18 25.2	1.623	2.510	13.3	20.7
10 8	22 19.41	−18 20.2	1.706	2.511	16.4	20.9

382599 2002 EL_{111} 8 31.9 162°.79 2°.7/29.4 18

7 30	23 5.10	−13 22.6	1.969	2.856	12.0	21.1
8 9	22 59.57	−14 17.4	1.908	2.859	8.6	20.9
8 19	22 52.23	−15 17.0	1.871	2.863	5.0	20.7
8 29	22 43.77	−16 15.3	1.862	2.866	2.7	20.5
9 8	22 35.08	−17 5.9	1.880	2.869	4.8	20.7
9 18	22 27.07	−17 43.9	1.926	2.871	8.3	20.9
9 28	22 20.59	−18 6.4	1.996	2.873	11.6	21.1
10 8	22 16.20	−18 12.5	2.088	2.874	14.5	21.3

337321 2001 BU_{66} 8 31.9 201°.71 4°.1/27.9 18

7 30	23 8.13	−20 12.9	2.299	3.181	10.7	20.4
8 9	23 1.61	−20 54.4	2.231	3.177	7.9	20.2
8 19	22 53.36	−21 34.4	2.189	3.172	5.3	20.0
8 29	22 44.03	−22 7.5	2.175	3.167	4.2	20.0
9 8	22 34.46	−22 28.9	2.189	3.161	5.8	20.1
9 18	22 25.54	−22 35.5	2.231	3.155	8.6	20.2
9 28	22 18.05	−22 26.1	2.299	3.148	11.4	20.4
10 8	22 12.56	−22 1.6	2.388	3.140	13.8	20.6

445384 2010 RG_{105} 8 31.9 322°.26 3°.1/29.3 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 5.18	−16 11.4	1.914	2.805	12.0	20.7
8 9	22 59.74	−16 36.9	1.845	2.797	8.8	20.5
8 19	22 52.39	−17 4.1	1.799	2.790	5.3	20.2
8 29	22 43.82	−17 27.7	1.780	2.782	3.2	20.1
9 8	22 34.97	−17 42.4	1.788	2.775	5.1	20.2
9 18	22 26.80	−17 44.8	1.823	2.769	8.6	20.4
9 28	22 20.21	−17 33.0	1.882	2.762	12.0	20.6
10 8	22 15.79	−17 7.0	1.962	2.756	15.0	20.8

154101 2002 DW_{17} 8 31.9 341°.54 1°.3/ 2.0 18

7 30	23 4.32	− 4 25.2	1.844	2.713	13.5	20.0
8 9	22 59.15	− 4 16.3	1.769	2.708	10.1	19.8
8 19	22 52.08	− 4 17.9	1.718	2.703	6.2	19.5
8 29	22 43.76	− 4 27.7	1.692	2.698	2.2	19.2
9 8	22 35.12	− 4 41.9	1.693	2.694	3.0	19.3
9 18	22 27.11	− 4 56.6	1.721	2.690	7.0	19.5
9 28	22 20.63	− 5 7.7	1.774	2.687	10.8	19.8
10 8	22 16.30	− 5 12.0	1.850	2.684	14.2	20.0

476700 2008 TU_{131} 8 31.9 323°.94 1°.6/ 2.1 18

7 30	23 2.35	− 3 36.4	1.343	2.230	16.4	20.7
8 9	22 58.46	− 3 36.2	1.262	2.209	12.4	20.4
8 19	22 52.04	− 3 52.0	1.201	2.189	7.7	20.1
8 29	22 43.81	− 4 21.1	1.163	2.170	2.8	19.7
9 8	22 34.92	− 4 57.7	1.150	2.152	3.7	19.7
9 18	22 26.68	− 5 35.3	1.160	2.135	8.9	20.0
9 28	22 20.37	− 6 6.6	1.193	2.118	13.9	20.2
10 8	22 16.90	− 6 26.3	1.246	2.103	18.3	20.4

161230 2002 XO_{90} 8 31.9 345°.33 3°.5/29.8 18

7 30	22 59.09	−12 57.5	0.972	1.898	17.6	18.4
8 9	22 56.63	−13 31.5	0.912	1.882	12.9	18.0
8 19	22 51.17	−14 15.2	0.870	1.868	7.5	17.7
8 29	22 43.61	−14 59.7	0.849	1.856	3.5	17.4
9 8	22 35.46	−15 34.5	0.849	1.845	6.8	17.6
9 18	22 28.35	−15 51.4	0.869	1.837	12.3	17.9
9 28	22 23.76	−15 45.5	0.909	1.830	17.6	18.1
10 8	22 22.54	−15 16.2	0.965	1.826	22.0	18.4

67086 2000 AY_{45} 8 31.9 1°.68 6°.0/ 6.6 18

7 30	23 1.84	+ 9 19.5	1.975	2.786	15.0	18.5
8 9	22 57.29	+ 9 49.6	1.899	2.785	12.3	18.4
8 19	22 50.98	+10 0.2	1.844	2.785	9.4	18.2
8 29	22 43.52	+ 9 50.8	1.812	2.785	6.9	18.0
9 8	22 35.72	+ 9 23.4	1.806	2.786	6.1	18.0
9 18	22 28.47	+ 8 42.0	1.826	2.787	7.5	18.1
9 28	22 22.61	+ 7 52.7	1.872	2.788	10.2	18.2
10 8	22 18.73	+ 7 1.9	1.940	2.790	13.0	18.4

107416 2001 DX_{9} 8 31.9 276°.22 5°.2/27.6 18

7 30	23 5.59	−17 3.5	1.458	2.361	14.3	19.1
8 9	23 0.72	−18 22.3	1.387	2.345	10.6	18.8
8 19	22 53.30	−19 46.5	1.339	2.329	6.8	18.6
8 29	22 44.10	−21 6.2	1.316	2.313	5.3	18.5
9 8	22 34.32	−22 11.0	1.318	2.297	7.9	18.6
9 18	22 25.30	−22 53.5	1.344	2.280	12.0	18.8
9 28	22 18.30	−23 9.9	1.392	2.264	16.0	19.0
10 8	22 14.14	−23 0.7	1.459	2.247	19.5	19.2

479882 2014 HL_{7} 8 31.9 215°.51 3°.1/ 4.6 18

7 30	23 1.99	+ 5 1.6	2.378	3.200	12.4	22.2
8 9	22 57.17	+ 4 30.7	2.288	3.192	9.8	22.1
8 19	22 50.83	+ 3 42.8	2.221	3.183	6.8	21.9
8 29	22 43.49	+ 2 39.9	2.181	3.174	3.9	21.7
9 8	22 35.82	+ 1 26.1	2.169	3.165	3.3	21.6
9 18	22 28.57	+ 0 6.8	2.186	3.155	5.8	21.8
9 28	22 22.45	− 1 11.7	2.231	3.144	8.9	21.9
10 8	22 18.00	− 2 24.0	2.301	3.133	11.8	22.1

50126 2000 AT_{124} 8 31.9 309°.43 4°.9/ 4.3 18

7 30	23 3.21	+ 3 20.4	1.345	2.207	17.9	18.9
8 9	22 59.13	+ 3 38.3	1.262	2.188	14.2	18.6
8 19	22 52.47	+ 3 34.0	1.198	2.170	10.0	18.3
8 29	22 43.93	+ 3 7.4	1.156	2.152	6.0	18.1
9 8	22 34.67	+ 2 22.3	1.138	2.135	5.3	18.0
9 18	22 26.01	+ 1 25.4	1.144	2.118	9.1	18.1
9 28	22 19.31	+ 0 25.8	1.172	2.101	13.7	18.3
10 8	22 15.48	− 0 27.8	1.221	2.086	18.0	18.6

376204 2011 DD_{4} 8 31.9 220°.24 0°.5/ 1.4 17

7 30	23 5.31	− 4 26.3	1.814	2.683	13.7	21.6
8 9	22 59.96	− 4 58.7	1.737	2.676	10.1	21.4
8 19	22 52.61	− 5 44.4	1.682	2.669	6.0	21.1
8 29	22 43.91	− 6 39.1	1.654	2.662	1.6	20.8
9 8	22 34.82	− 7 36.9	1.653	2.654	3.1	20.9
9 18	22 26.33	− 8 31.3	1.679	2.645	7.5	21.2
9 28	22 19.41	− 9 16.9	1.731	2.636	11.5	21.4
10 8	22 14.74	− 9 49.6	1.805	2.627	15.0	21.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
220284 2003 BT_{68}			8 31.9 265.°47	0.°2/31.7 18		
	h m	° ′			°	m
7 30	23 3.06	− 4 44.6	1.772	2.646	13.7	20.5
8 9	22 58.51	− 5 46.6	1.682	2.626	10.1	20.3
8 19	22 51.88	− 7 5.0	1.615	2.605	5.9	20.0
8 29	22 43.77	− 8 34.6	1.574	2.583	1.3	19.6
9 8	22 35.10	−10 7.3	1.561	2.561	3.5	19.7
9 18	22 26.89	−11 34.7	1.575	2.539	8.2	20.0
9 28	22 20.18	−12 49.2	1.615	2.516	12.5	20.2
10 8	22 15.74	−13 46.0	1.676	2.493	16.2	20.4
1921 Pala			8 31.9 344.°02	4.°8/30.0 18		
7 30	23 10.67	−21 13.0	1.336	2.238	15.5	17.7
8 9	23 4.70	−20 42.7	1.254	2.210	11.7	17.4
8 19	22 55.73	−20 4.0	1.194	2.183	7.6	17.1
8 29	22 44.68	−19 11.1	1.157	2.158	4.8	16.9
9 8	22 32.99	−17 59.9	1.146	2.135	6.9	17.0
9 18	22 22.26	−16 30.4	1.159	2.114	11.4	17.1
9 28	22 13.93	−14 45.2	1.195	2.096	16.0	17.4
10 8	22 8.89	−12 49.0	1.251	2.079	20.0	17.6
181585 2006 VZ_{124}			8 31.9 268.°52	0.°6/31.4 18		
7 30	23 2.77	− 8 8.0	2.062	2.939	11.9	21.0
8 9	22 57.88	− 8 38.4	1.988	2.934	8.7	20.8
8 19	22 51.29	− 9 17.4	1.937	2.928	5.0	20.6
8 29	22 43.60	−10 0.6	1.913	2.922	1.1	20.3
9 8	22 35.61	−10 42.9	1.917	2.916	3.2	20.5
9 18	22 28.18	−11 19.7	1.949	2.910	7.0	20.7
9 28	22 22.10	−11 46.8	2.006	2.905	10.5	20.9
10 8	22 17.94	−12 1.9	2.086	2.899	13.6	21.1
506758 2006 WP_{41}			8 31.9 228.°20	11.°4/17.9 18		
7 30	23 12.76	−40 38.5	2.048	2.901	13.0	22.0
8 9	23 5.76	−42 30.4	2.002	2.888	11.8	21.9
8 19	22 56.13	−44 6.0	1.980	2.874	11.4	21.9
8 29	22 44.74	−45 15.2	1.981	2.860	12.0	21.9
9 8	22 32.89	−45 51.3	2.005	2.845	13.4	22.0
9 18	22 21.95	−45 52.5	2.050	2.829	15.2	22.1
9 28	22 13.16	−45 20.8	2.114	2.812	17.0	22.2
10 8	22 7.29	−44 21.6	2.192	2.794	18.5	22.3
399631 2004 OH_{15}			8 31.9 2.°36	14.°6/19.8 18		
7 30	23 12.21	−45 13.2	1.538	2.393	16.4	19.1
8 9	23 5.59	−46 20.5	1.510	2.392	15.1	19.0
8 19	22 55.94	−47 1.3	1.502	2.392	14.6	19.0
8 29	22 44.63	−47 5.8	1.514	2.393	15.0	19.0
9 8	22 33.40	−46 29.7	1.545	2.395	16.2	19.1
9 18	22 23.87	−45 14.5	1.594	2.398	17.8	19.2
9 28	22 17.22	−43 26.4	1.662	2.402	19.4	19.4
10 8	22 13.93	−41 13.5	1.744	2.408	21.0	19.5
515224 2012 BK_{70}			8 31.9 163.°01	1.°0/ 1.9 18		
7 30	23 3.94	− 4 18.5	2.328	3.187	11.4	21.2
8 9	22 58.51	− 4 20.9	2.255	3.188	8.5	21.0
8 19	22 51.56	− 4 32.3	2.205	3.188	5.2	20.8
8 29	22 43.66	− 4 50.2	2.183	3.189	1.8	20.5
9 8	22 35.53	− 5 11.2	2.189	3.190	2.4	20.6
9 18	22 27.93	− 5 32.1	2.223	3.190	5.9	20.8
9 28	22 21.56	− 5 49.2	2.285	3.191	9.1	21.0
10 8	22 16.94	− 5 59.9	2.371	3.191	11.9	21.2
81200 2000 FP_{5}			8 31.9 18.°53	1.°0/31.1 18		
7 30	23 3.89	− 9 23.6	1.658	2.547	13.7	19.7
8 9	22 58.95	− 9 48.2	1.598	2.549	9.9	19.5
8 19	22 51.98	−10 21.1	1.560	2.552	5.7	19.3
8 29	22 43.77	−10 57.4	1.547	2.556	1.4	19.0
9 8	22 35.30	−11 31.0	1.561	2.560	3.8	19.2
9 18	22 27.62	−11 57.0	1.601	2.564	8.1	19.4
9 28	22 21.65	−12 11.4	1.665	2.568	12.0	19.7
10 8	22 18.00	−12 12.4	1.750	2.573	15.3	19.9
479622 2014 DH_{32}			8 31.9 205.°47	1.°9/30.2 18		
7 30	23 8.16	−13 5.4	2.235	3.110	11.2	22.0
8 9	23 1.67	−13 28.5	2.160	3.105	8.1	21.8
8 19	22 53.44	−13 55.1	2.110	3.100	4.7	21.6
8 29	22 44.10	−14 21.0	2.087	3.093	2.0	21.4
9 8	22 34.48	−14 41.5	2.094	3.087	3.9	21.5
9 18	22 25.46	−14 53.4	2.130	3.079	7.3	21.7
9 28	22 17.85	−14 54.3	2.192	3.072	10.6	21.9
10 8	22 12.22	−14 43.4	2.277	3.063	13.4	22.1
98354 2000 SM_{330}			8 31.9 144.°42	3.°1/29.5 18		
7 30	23 10.37	−14 21.4	1.741	2.625	13.4	20.0
8 9	23 3.52	−15 9.1	1.687	2.637	9.7	19.8
8 19	22 54.57	−16 0.5	1.657	2.648	5.7	19.6
8 29	22 44.36	−16 48.6	1.654	2.658	3.1	19.4
9 8	22 33.98	−17 26.9	1.679	2.667	5.3	19.6
9 18	22 24.53	−17 50.9	1.731	2.676	9.1	19.8
9 28	22 16.97	−17 58.1	1.807	2.683	12.7	20.1
10 8	22 11.88	−17 49.0	1.905	2.690	15.7	20.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
510298 2011 PG_{5}			8 31.9 267.°24	5.°1/ 6.9 18		
	h m	° ′			°	m
7 30	22 59.86	+11 17.5	1.905	2.711	15.6	20.8
8 9	22 55.95	+10 32.3	1.819	2.705	12.8	20.6
8 19	22 50.26	+ 9 20.1	1.754	2.699	9.5	20.4
8 29	22 43.39	+ 7 42.4	1.712	2.693	6.4	20.2
9 8	22 36.16	+ 5 44.9	1.698	2.687	5.1	20.1
9 18	22 29.44	+ 3 36.1	1.711	2.681	7.0	20.2
9 28	22 24.11	+ 1 26.0	1.752	2.675	10.3	20.4
10 8	22 20.79	− 0 35.8	1.817	2.669	13.6	20.6
346606 2008 WR_{58}			8 31.9 325.°55	3.°6/28.9 18		
7 30	22 59.40	−12 16.3	1.287	2.200	15.2	19.3
8 9	22 56.43	−13 27.2	1.212	2.176	11.1	19.0
8 19	22 50.93	−14 50.8	1.157	2.153	6.5	18.7
8 29	22 43.60	−16 17.9	1.126	2.131	3.6	18.4
9 8	22 35.62	−17 37.2	1.118	2.110	6.7	18.6
9 18	22 28.32	−18 39.0	1.134	2.090	11.6	18.8
9 28	22 23.01	−19 16.4	1.171	2.071	16.3	19.0
10 8	22 20.56	−19 27.1	1.226	2.053	20.4	19.2
283453 2001 FV_{104}			8 31.9 133.°53	2.°3/29.5 17		
7 30	23 2.36	−10 48.3	1.926	2.813	12.2	20.4
8 9	22 57.64	−12 6.1	1.866	2.818	8.7	20.2
8 19	22 51.17	−13 32.0	1.831	2.824	5.0	20.0
8 29	22 43.60	−14 58.8	1.823	2.829	2.3	19.8
9 8	22 35.78	−16 19.0	1.843	2.834	4.6	20.0
9 18	22 28.62	−17 26.3	1.891	2.839	8.3	20.2
9 28	22 22.91	−18 16.2	1.963	2.843	11.6	20.4
10 8	22 19.23	−18 47.3	2.057	2.848	14.5	20.7
220898 2004 YT_{5}			8 31.9 279.°30	6.°3/25.3 17		
7 30	23 10.43	−29 34.0	2.560	3.431	10.1	20.3
8 9	23 3.38	−30 12.6	2.477	3.403	8.2	20.1
8 19	22 54.49	−30 43.9	2.418	3.374	6.7	20.0
8 29	22 44.38	−31 1.9	2.387	3.345	6.5	19.9
9 8	22 33.92	−31 2.1	2.384	3.316	7.8	19.9
9 18	22 24.01	−30 42.4	2.407	3.286	9.9	20.0
9 28	22 15.52	−30 2.7	2.455	3.256	12.2	20.1
10 8	22 9.07	−29 5.5	2.524	3.226	14.3	20.3
79729 1998 SW_{128}			8 31.9 304.°10	1.°3/30.9 18		
7 30	23 3.16	− 8 18.3	1.380	2.276	15.5	19.2
8 9	22 59.04	− 9 0.8	1.302	2.257	11.4	18.9
8 19	22 52.39	− 9 57.5	1.244	2.238	6.6	18.6
8 29	22 43.95	−11 1.9	1.210	2.219	1.7	18.3
9 8	22 34.87	−12 5.3	1.202	2.201	4.6	18.4
9 18	22 26.46	−12 59.3	1.218	2.182	9.9	18.7
9 28	22 19.99	−13 37.2	1.256	2.165	14.7	18.9
10 8	22 16.32	−13 55.3	1.313	2.147	18.9	19.1
93399 2000 SC_{288}			8 31.9 207.°54	5.°3/27.6 18		
7 30	23 9.92	−22 16.0	1.924	2.811	12.2	18.7
8 9	23 3.20	−22 56.8	1.862	2.808	9.2	18.5
8 19	22 54.42	−23 34.2	1.825	2.805	6.4	18.3
8 29	22 44.35	−24 1.3	1.814	2.801	5.4	18.3
9 8	22 34.05	−24 12.8	1.830	2.797	7.1	18.4
9 18	22 24.58	−24 5.6	1.872	2.793	10.1	18.5
9 28	22 16.89	−23 39.5	1.939	2.789	13.1	18.7
10 8	22 11.59	−22 56.5	2.026	2.784	15.8	18.9
75790 2000 AJ_{218}			8 31.9 180.°30	0.°6/ 1.5 18		
7 30	23 4.09	− 4 44.2	1.921	2.790	13.0	19.7
8 9	22 58.92	− 5 5.1	1.851	2.790	9.6	19.5
8 19	22 51.93	− 5 37.4	1.804	2.790	5.7	19.3
8 29	22 43.79	− 6 17.4	1.783	2.790	1.6	19.0
9 8	22 35.37	− 7 0.0	1.789	2.790	2.8	19.1
9 18	22 27.57	− 7 40.0	1.823	2.790	6.9	19.3
9 28	22 21.25	− 8 12.9	1.883	2.790	10.6	19.6
10 8	22 17.00	− 8 35.3	1.965	2.790	13.8	19.8
503985 2004 TU_{108}			8 31.9 18.°61	4.°6/ 4.3 17		
7 30	22 53.36	+ 3 23.7	0.689	1.606	23.9	19.7
8 9	22 52.63	+ 3 5.9	0.659	1.617	18.5	19.5
8 19	22 48.81	+ 2 9.7	0.643	1.631	12.4	19.2
8 29	22 43.08	+ 0 41.9	0.644	1.647	6.4	19.0
9 8	22 37.15	− 1 3.1	0.664	1.666	5.3	19.1
9 18	22 32.62	− 2 48.6	0.702	1.688	10.3	19.4
9 28	22 30.77	− 4 19.3	0.759	1.711	15.8	19.8
10 8	22 32.15	− 5 25.8	0.833	1.736	20.4	20.2
137648 1999 WF_{19}			8 31.9 295.°24	1.°0/ 1.7 18		
7 30	23 4.16	− 3 55.6	1.396	2.279	16.2	20.4
8 9	22 59.74	− 4 16.3	1.316	2.262	12.1	20.1
8 19	22 52.80	− 4 54.1	1.255	2.244	7.4	19.8
8 29	22 44.06	− 5 45.0	1.218	2.226	2.2	19.4
9 8	22 34.65	− 6 41.9	1.207	2.209	3.6	19.5
9 18	22 25.90	− 7 37.1	1.220	2.191	9.0	19.7
9 28	22 19.07	− 8 22.8	1.256	2.174	13.9	20.0
10 8	22 15.04	− 8 53.8	1.312	2.158	18.2	20.2

133556 2003 UP_6 8 31.9 107°.68 12°.8/18.2 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	23 3.54	+31 43.4	2.072	2.711	19.2	19.3
8 9	22 58.76	+32 39.2	1.998	2.717	17.7	19.2
8 19	22 51.97	+33 4.2	1.938	2.722	16.0	19.1
8 29	22 43.82	+32 53.9	1.895	2.728	14.5	19.0
9 8	22 35.26	+32 7.3	1.872	2.733	13.3	18.9
9 18	22 27.30	+30 47.2	1.870	2.738	12.8	18.9
9 28	22 20.91	+29 0.4	1.890	2.743	13.3	18.9
10 8	22 16.79	+26 56.9	1.932	2.748	14.4	19.0

209294 2003 YR_{89} 8 31.9 237°.83 2°.4/29.6 18

7 30	23 3.53	−12 40.2	1.979	2.866	11.9	20.5
8 9	22 58.52	−13 30.1	1.910	2.862	8.6	20.3
8 19	22 51.72	−14 25.8	1.865	2.857	5.0	20.1
8 29	22 43.75	−15 21.5	1.847	2.852	2.4	19.9
9 8	22 35.49	−16 10.9	1.856	2.847	4.6	20.0
9 18	22 27.83	−16 49.1	1.893	2.842	8.2	20.2
9 28	22 21.63	−17 12.5	1.955	2.837	11.6	20.4
10 8	22 17.47	−17 20.0	2.038	2.831	14.5	20.6

342292 2008 TR_{33} 8 31.9 116°.53 0°.6/31.4 16

7 30	23 4.44	− 7 8.7	1.835	2.712	13.2	21.4
8 9	22 59.17	− 7 52.2	1.776	2.722	9.5	21.1
8 19	22 52.06	− 8 46.0	1.740	2.731	5.5	20.9
8 29	22 43.82	− 9 44.7	1.731	2.740	1.2	20.7
9 8	22 35.39	−10 41.8	1.750	2.749	3.4	20.8
9 18	22 27.68	−11 31.8	1.795	2.757	7.5	21.1
9 28	22 21.55	−12 9.9	1.867	2.766	11.2	21.4
10 8	22 17.55	−12 33.8	1.960	2.774	14.3	21.6

487975 2015 TE_{307} 8 31.9 284°.49 5°.4/25.4 18

7 30	23 1.25	−22 11.8	2.220	3.116	10.4	21.0
8 9	22 56.80	−23 36.7	2.160	3.109	7.9	20.8
8 19	22 50.70	−25 0.4	2.124	3.102	5.8	20.7
8 29	22 43.52	−26 15.7	2.116	3.095	5.5	20.6
9 8	22 36.06	−27 16.1	2.134	3.088	7.3	20.7
9 18	22 29.13	−27 57.5	2.179	3.081	9.8	20.9
9 28	22 23.53	−28 17.6	2.247	3.074	12.3	21.0
10 8	22 19.81	−28 17.3	2.335	3.068	14.6	21.2

389444 2010 CP_{152} 8 31.9 290°.49 2°.6/30.4 18

7 30	23 10.92	−14 53.9	1.662	2.549	13.8	20.8
8 9	23 4.25	−14 56.5	1.588	2.538	10.1	20.6
8 19	22 55.21	−15 1.0	1.536	2.527	6.0	20.3
8 29	22 44.61	−15 2.3	1.511	2.517	2.7	20.1
9 8	22 33.60	−14 55.5	1.513	2.506	4.9	20.2
9 18	22 23.41	−14 37.6	1.542	2.496	9.2	20.4
9 28	22 15.17	−14 7.1	1.595	2.486	13.2	20.7
10 8	22 9.58	−13 24.5	1.669	2.476	16.7	20.9

53225 1999 CG_{94} 8 31.9 330°.23 7°.8/23.8 18

7 30	22 59.91	−22 59.0	1.496	2.409	13.4	16.9
8 9	22 56.57	−24 55.5	1.437	2.394	10.4	16.6
8 19	22 50.89	−26 51.7	1.401	2.379	8.1	16.5
8 29	22 43.62	−28 35.6	1.389	2.365	8.2	16.5
9 8	22 35.87	−29 56.3	1.401	2.352	10.5	16.6
9 18	22 28.87	−30 46.9	1.437	2.340	13.8	16.7
9 28	22 23.74	−31 4.9	1.492	2.328	17.0	16.9
10 8	22 21.25	−30 52.3	1.564	2.318	19.8	17.1

282739 2006 DY_{213} 8 31.9 220°.60 8°.3/13.7 18

7 30	23 1.37	+26 7.6	3.069	3.725	13.2	20.9
8 9	22 56.60	+26 33.7	2.971	3.716	11.9	20.7
8 19	22 50.50	+26 39.5	2.891	3.707	10.5	20.6
8 29	22 43.50	+26 22.9	2.832	3.698	9.2	20.5
9 8	22 36.18	+25 44.2	2.797	3.688	8.4	20.4
9 18	22 29.18	+24 45.3	2.787	3.678	8.3	20.4
9 28	22 23.12	+23 30.4	2.803	3.668	9.1	20.5
10 8	22 18.52	+22 5.4	2.844	3.657	10.3	20.5

213675 2002 TK_{60} 8 31.9 236°.62 17°.9/22.3 15

7 30	23 31.49	−44 48.9	1.155	2.008	20.8	20.0
8 9	23 20.90	−46 13.4	1.115	2.001	19.0	19.8
8 19	23 5.40	−47 5.1	1.093	1.994	18.0	19.7
8 29	22 46.95	−47 6.4	1.090	1.986	18.2	19.7
9 8	22 28.51	−46 8.9	1.106	1.978	19.6	19.8
9 18	22 12.91	−44 16.1	1.140	1.970	21.8	19.9
9 28	22 1.99	−41 40.2	1.192	1.961	24.3	20.1
10 8	21 56.25	−38 36.5	1.257	1.951	26.5	20.2

221473 2006 BY_{152} 8 31.9 308°.33 4°.4/26.3 18

7 30	22 59.28	−16 48.7	2.079	2.978	10.9	19.5
8 9	22 55.49	−18 38.4	2.011	2.966	7.9	19.3
8 19	22 50.01	−20 33.0	1.968	2.956	5.3	19.2
8 29	22 43.40	−22 24.1	1.953	2.945	4.6	19.1
9 8	22 36.42	−24 3.3	1.966	2.934	6.7	19.2
9 18	22 29.92	−25 23.9	2.006	2.924	9.7	19.4
9 28	22 24.72	−26 21.9	2.070	2.914	12.6	19.6
10 8	22 21.41	−26 56.6	2.154	2.904	15.2	19.7

442572 2012 BP_{49} 8 31.9 339°.28 4°.0/28.4 18

2020	α_{2000}	δ_{2000}	Δ	r	β	V
	h m	° ′			°	m
7 30	22 54.91	−12 13.5	1.229	2.149	15.2	19.8
8 9	22 53.21	−13 36.5	1.154	2.123	11.0	19.5
8 19	22 49.09	−15 13.8	1.100	2.097	6.5	19.2
8 29	22 43.23	−16 55.5	1.069	2.074	4.0	19.0
9 8	22 36.76	−18 29.3	1.062	2.052	7.2	19.1
9 18	22 30.95	−19 43.9	1.076	2.032	12.1	19.3
9 28	22 27.08	−20 31.6	1.112	2.014	16.7	19.5
10 8	22 26.02	−20 49.4	1.164	1.998	20.8	19.8

16980 1999 AP_5 8 31.9 93°.28 2°.9/29.9 18

7 30	23 9.86	−12 53.8	1.337	2.233	15.9	17.7
8 9	23 3.59	−13 36.3	1.291	2.246	11.4	17.5
8 19	22 54.79	−14 24.9	1.266	2.259	6.6	17.3
8 29	22 44.49	−15 11.6	1.266	2.272	3.0	17.1
9 8	22 34.05	−15 48.4	1.292	2.285	5.6	17.3
9 18	22 24.81	−16 9.8	1.342	2.297	10.2	17.6
9 28	22 17.88	−16 13.2	1.416	2.310	14.4	17.9
10 8	22 13.86	−15 58.8	1.509	2.322	17.9	18.2

413117 2001 WZ_{18} 8 31.9 262°.12 3°.9/29.3 18

7 30	23 8.03	−14 24.6	1.332	2.233	15.6	20.7
8 9	23 2.58	−15 16.7	1.269	2.226	11.4	20.5
8 19	22 54.43	−16 15.2	1.227	2.220	6.8	20.2
8 29	22 44.46	−17 11.4	1.209	2.213	3.9	20.0
9 8	22 34.02	−17 56.0	1.216	2.206	6.6	20.1
9 18	22 24.53	−18 22.3	1.247	2.198	11.2	20.4
9 28	22 17.30	−18 26.9	1.301	2.191	15.7	20.6
10 8	22 13.09	−18 10.1	1.373	2.184	19.4	20.9

202088 2004 TB_2 8 31.9 18°.41 0°.3/ 1.2 17

7 30	23 3.34	− 5 50.1	1.266	2.161	16.7	20.3
8 9	22 59.00	− 6 6.3	1.213	2.166	12.3	20.0
8 19	22 52.23	− 6 37.0	1.180	2.171	7.2	19.8
8 29	22 43.93	− 7 16.9	1.169	2.178	1.8	19.5
9 8	22 35.35	− 7 58.7	1.184	2.186	3.7	19.6
9 18	22 27.77	− 8 35.5	1.222	2.194	8.9	19.9
9 28	22 22.30	− 9 1.2	1.283	2.203	13.5	20.2
10 8	22 19.60	− 9 12.5	1.363	2.213	17.4	20.5

117657 Jamieelsila 8 31.9 337°.03 1°.2/ 1.8 18

7 30	23 0.23	− 4 5.7	1.051	1.956	18.5	19.0
8 9	22 57.36	− 4 17.2	0.984	1.941	13.9	18.7
8 19	22 51.63	− 4 48.9	0.934	1.926	8.5	18.4
8 29	22 43.86	− 5 36.4	0.905	1.914	2.6	18.0
9 8	22 35.41	− 6 31.5	0.899	1.902	4.1	18.0
9 18	22 27.84	− 7 24.3	0.914	1.892	10.2	18.3
9 28	22 22.61	− 8 6.0	0.950	1.883	15.7	18.6
10 8	22 20.62	− 8 30.2	1.003	1.875	20.5	18.9

257726 1999 XB_{249} 8 31.9 279°.08 7°.0/ 9.1 18

7 30	23 0.94	+16 12.3	2.475	3.228	13.8	20.5
8 9	22 56.57	+16 27.7	2.367	3.205	11.9	20.3
8 19	22 50.62	+16 22.7	2.280	3.182	9.8	20.1
8 29	22 43.57	+15 55.8	2.217	3.158	7.9	20.0
9 8	22 36.07	+15 7.9	2.178	3.134	7.0	19.9
9 18	22 28.86	+14 2.2	2.167	3.110	7.6	19.9
9 28	22 22.70	+12 44.2	2.181	3.086	9.5	20.0
10 8	22 18.21	+11 20.8	2.221	3.062	11.9	20.1

330864 2009 QK_{42} 8 31.9 299°.95 3°.8/29.2 18

7 30	23 12.05	−20 30.5	2.180	3.058	11.3	20.3
8 9	23 4.54	−20 31.3	2.108	3.051	8.4	20.1
8 19	22 55.14	−20 28.7	2.060	3.044	5.4	19.9
8 29	22 44.59	−20 18.0	2.040	3.037	3.8	19.8
9 8	22 33.83	−19 56.0	2.050	3.030	5.4	19.9
9 18	22 23.82	−19 21.2	2.088	3.023	8.4	20.1
9 28	22 15.45	−18 33.6	2.152	3.016	11.4	20.3
10 8	22 9.28	−17 34.9	2.239	3.010	14.1	20.4

230918 2004 TK_{300} 8 31.9 50°.60 8°.7/ 8.8 17

7 30	23 4.22	+14 22.2	1.606	2.400	18.6	19.5
8 9	22 59.38	+15 3.5	1.542	2.408	15.7	19.3
8 19	22 52.38	+15 17.4	1.496	2.417	12.7	19.1
8 29	22 43.98	+15 2.0	1.471	2.426	10.0	19.0
9 8	22 35.24	+14 19.4	1.470	2.436	8.7	19.0
9 18	22 27.25	+13 15.0	1.493	2.445	9.6	19.0
9 28	22 21.04	+11 57.7	1.540	2.455	12.1	19.2
10 8	22 17.29	+10 37.2	1.609	2.465	14.9	19.4

74955 1999 TL_{195} 8 31.9 77°.61 1°.1/31.3 18

7 30	23 11.52	− 9 59.6	1.386	2.273	16.0	18.2
8 9	23 4.60	−10 11.7	1.343	2.293	11.6	18.0
8 19	22 55.29	−10 31.8	1.321	2.313	6.6	17.7
8 29	22 44.62	−10 54.1	1.324	2.333	1.6	17.5
9 8	22 33.91	−11 12.6	1.354	2.353	4.2	17.7
9 18	22 24.45	−11 22.7	1.409	2.373	9.0	18.0
9 28	22 17.27	−11 21.5	1.488	2.392	13.2	18.3
10 8	22 12.93	−11 7.8	1.588	2.411	16.6	18.6

2020	α_{2000}	δ_{2000}	Δ	r	β	V
419014 2009 QH_5			8 31.9	86°.86	13°.9/15.4	17
	h m	° ′			°	m
7 30	23 12.62	+27 31.9	1.687	2.370	21.6	20.5
8 9	23 5.58	+29 8.7	1.637	2.397	19.5	20.4
8 19	22 56.02	+30 11.3	1.603	2.422	17.3	20.3
8 29	22 44.84	+30 34.2	1.587	2.448	15.4	20.2
9 8	22 33.31	+30 16.5	1.591	2.473	14.1	20.2
9 18	22 22.76	+29 22.0	1.617	2.497	13.9	20.2
9 28	22 14.35	+27 59.8	1.665	2.521	14.6	20.3
10 8	22 8.83	+26 21.6	1.733	2.544	16.0	20.5
479577 2014 CW_{15}			8 31.9	216°.44	0°.0/31.8	18
7 30	23 5.80	− 6 22.9	2.324	3.186	11.3	21.6
8 9	23 0.00	− 6 47.7	2.240	3.177	8.3	21.4
8 19	22 52.56	− 7 21.1	2.180	3.167	4.9	21.2
8 29	22 44.04	− 7 59.9	2.148	3.157	1.2	20.9
9 8	22 35.18	− 8 39.6	2.145	3.146	2.7	21.0
9 18	22 26.79	− 9 16.0	2.172	3.134	6.4	21.3
9 28	22 19.64	− 9 45.2	2.225	3.121	9.8	21.4
10 8	22 14.31	−10 4.6	2.302	3.108	12.7	21.6
249188 2008 CZ_{148}			8 31.9	13°.12	0°.0/31.9	18
7 30	22 59.27	− 4 16.7	1.693	2.575	13.9	20.0
8 9	22 55.63	− 5 20.7	1.630	2.577	10.1	19.8
8 19	22 50.14	− 6 39.9	1.589	2.580	5.9	19.5
8 29	22 43.47	− 8 8.3	1.574	2.583	1.3	19.2
9 8	22 36.53	− 9 37.6	1.585	2.586	3.3	19.4
9 18	22 30.24	−10 59.9	1.624	2.590	7.7	19.7
9 28	22 25.48	−12 8.5	1.687	2.595	11.6	19.9
10 8	22 22.83	−12 59.4	1.771	2.600	15.0	20.1
39020 2000 UT_{53}			8 31.9	301°.27	5°.7/27.2	18
7 30	23 4.70	−19 21.5	1.549	2.452	13.6	18.4
8 9	23 0.00	−20 30.9	1.479	2.435	10.2	18.1
8 19	22 52.90	−21 42.3	1.432	2.419	6.9	17.9
8 29	22 44.16	−22 46.5	1.409	2.402	5.8	17.8
9 8	22 34.90	−23 34.5	1.412	2.385	8.1	17.9
9 18	22 26.38	−24 0.2	1.439	2.369	11.8	18.1
9 28	22 19.77	−24 1.1	1.487	2.353	15.5	18.3
10 8	22 15.83	−23 38.1	1.555	2.338	18.7	18.5
419798 2010 WK_{15}			8 31.9	46°.81	10°.5/24.7	18
7 30	23 9.10	−28 26.3	1.173	2.082	16.6	19.6
8 9	23 3.42	−29 59.8	1.147	2.096	13.3	19.5
8 19	22 54.81	−31 19.6	1.142	2.110	10.9	19.4
8 29	22 44.54	−32 13.2	1.159	2.125	10.7	19.4
9 8	22 34.27	−32 32.5	1.197	2.140	12.7	19.6
9 18	22 25.58	−32 16.0	1.257	2.156	15.6	19.8
9 28	22 19.63	−31 27.4	1.335	2.173	18.6	20.1
10 8	22 16.96	−30 13.4	1.430	2.189	21.2	20.3
342010 2008 RX_{56}			8 31.9	131°.78	0°.2/ 1.2	18
7 30	23 7.10	− 6 8.6	1.943	2.810	13.0	20.7
8 9	23 1.02	− 6 29.1	1.882	2.821	9.5	20.6
8 19	22 53.14	− 6 59.4	1.844	2.832	5.6	20.3
8 29	22 44.16	− 7 35.3	1.833	2.842	1.4	20.1
9 8	22 35.00	− 8 11.9	1.851	2.852	2.9	20.2
9 18	22 26.58	− 8 44.5	1.897	2.861	6.9	20.5
9 28	22 19.71	− 9 9.1	1.968	2.870	10.6	20.7
10 8	22 14.96	− 9 23.3	2.063	2.878	13.6	21.0
98442 2000 UT_{55}			8 31.9	210°.26	0°.3/31.7	18
7 30	23 3.85	− 6 9.9	2.145	3.013	11.9	19.9
8 9	22 58.69	− 6 55.4	2.066	3.007	8.7	19.7
8 19	22 51.84	− 7 51.4	2.012	3.001	5.0	19.4
8 29	22 43.88	− 8 53.7	1.986	2.994	1.1	19.1
9 8	22 35.60	− 9 56.4	1.987	2.987	3.0	19.3
9 18	22 27.82	−10 54.0	2.018	2.979	6.8	19.5
9 28	22 21.35	−11 41.7	2.074	2.971	10.3	19.7
10 8	22 16.77	−12 16.4	2.154	2.962	13.4	19.9
121646 1999 WZ_7			8 31.9	183°.94	4°.7/26.5	18
7 30	23 6.31	−24 54.2	2.762	3.641	9.2	19.2
8 9	23 0.11	−25 34.8	2.703	3.641	7.0	19.1
8 19	22 52.48	−26 10.9	2.669	3.640	5.3	19.0
8 29	22 44.01	−26 37.9	2.664	3.640	4.8	18.9
9 8	22 35.38	−26 52.1	2.687	3.639	6.1	19.0
9 18	22 27.33	−26 51.4	2.738	3.637	8.1	19.2
9 28	22 20.51	−26 35.3	2.814	3.636	10.3	19.3
10 8	22 15.37	−26 4.9	2.911	3.633	12.2	19.5
162264 1999 UN_{38}			8 31.9	297°.56	2°.3/ 2.7	18
7 30	23 4.05	− 1 22.3	1.678	2.543	14.8	19.6
8 9	22 59.41	− 1 24.2	1.585	2.519	11.3	19.3
8 19	22 52.56	− 1 41.7	1.513	2.494	7.3	19.0
8 29	22 44.11	− 2 12.8	1.466	2.470	3.2	18.7
9 8	22 35.00	− 2 53.0	1.444	2.446	3.4	18.7
9 18	22 26.36	− 3 36.7	1.450	2.421	7.8	18.9
9 28	22 19.30	− 4 17.4	1.479	2.397	12.2	19.1
10 8	22 14.63	− 4 49.6	1.530	2.374	16.2	19.3

2020	α_{2000}	δ_{2000}	Δ	r	β	V
135989 2002 UN_{22}			8 31.9	279°.60	1°.1/ 2.0	18
	h m	° ′			°	m
7 30	23 1.98	− 2 45.1	1.935	2.800	13.1	19.5
8 9	22 57.49	− 3 14.5	1.855	2.792	9.8	19.3
8 19	22 51.21	− 3 57.8	1.799	2.784	6.0	19.1
8 29	22 43.75	− 4 51.4	1.769	2.775	2.0	18.8
9 8	22 35.92	− 5 49.7	1.765	2.767	2.8	18.8
9 18	22 28.63	− 6 47.0	1.790	2.759	6.8	19.1
9 28	22 22.72	− 7 37.5	1.840	2.751	10.6	19.3
10 8	22 18.81	− 8 17.0	1.912	2.742	13.9	19.5
294547 2007 YU_{13}			8 31.9	149°.97	2°.9/29.7	17
7 30	23 8.36	−13 8.4	1.593	2.483	14.1	21.4
8 9	23 2.34	−13 56.4	1.536	2.488	10.2	21.2
8 19	22 54.07	−14 50.1	1.501	2.493	5.9	20.9
8 29	22 44.41	−15 42.3	1.493	2.498	2.9	20.8
9 8	22 34.49	−16 25.8	1.511	2.502	5.3	20.9
9 18	22 25.48	−16 55.0	1.555	2.506	9.5	21.2
9 28	22 18.40	−17 7.0	1.623	2.509	13.3	21.4
10 8	22 13.90	−17 1.3	1.712	2.512	16.6	21.7
317990 2004 BK_{69}			8 31.9	82°.98	3°.3/29.5	17
7 30	23 8.42	−13 47.5	1.463	2.358	14.8	20.2
8 9	23 2.34	−14 40.3	1.422	2.377	10.6	20.0
8 19	22 54.00	−15 37.6	1.403	2.395	6.2	19.8
8 29	22 44.37	−16 31.4	1.409	2.414	3.3	19.7
9 8	22 34.66	−17 14.0	1.442	2.432	5.7	19.9
9 18	22 26.07	−17 40.5	1.500	2.450	9.8	20.2
9 28	22 19.58	−17 48.4	1.581	2.468	13.6	20.4
10 8	22 15.74	−17 38.3	1.683	2.485	16.7	20.7
315124 2007 EG_{82}			8 31.9	138°.33	3°.8/27.9	18
7 30	23 6.87	−21 3.0	2.589	3.468	9.7	20.8
8 9	23 0.50	−21 32.9	2.533	3.477	7.2	20.6
8 19	22 52.70	−22 0.2	2.503	3.484	4.8	20.5
8 29	22 44.06	−22 20.6	2.502	3.492	3.8	20.5
9 8	22 35.32	−22 30.4	2.529	3.499	5.2	20.6
9 18	22 27.22	−22 27.5	2.584	3.506	7.6	20.7
9 28	22 20.41	−22 11.3	2.666	3.513	10.0	20.9
10 8	22 15.36	−21 42.6	2.769	3.519	12.1	21.1
435625 2008 SA_{123}			9 1.0	303°.64	6°.6/ 7.5	18
7 30	22 59.99	+11 54.3	1.651	2.463	17.4	21.0
8 9	22 56.41	+11 41.9	1.564	2.451	14.4	20.7
8 19	22 50.76	+11 0.7	1.497	2.439	11.1	20.5
8 29	22 43.68	+ 9 50.5	1.452	2.427	8.0	20.3
9 8	22 36.10	+ 8 15.4	1.431	2.416	6.6	20.2
9 18	22 29.07	+ 6 23.1	1.436	2.404	8.3	20.3
9 28	22 23.60	+ 4 24.5	1.466	2.394	11.6	20.4
10 8	22 20.44	+ 2 30.3	1.519	2.383	15.2	20.6
58774 1998 FA_{58}			9 1.0	29°.32	3°.2/ 4.5	18
7 30	22 59.66	+ 4 10.2	1.845	2.689	14.5	18.0
8 9	22 55.79	+ 3 39.0	1.777	2.695	11.3	17.8
8 19	22 50.19	+ 2 47.9	1.731	2.700	7.7	17.6
8 29	22 43.52	+ 1 39.9	1.709	2.706	4.3	17.4
9 8	22 36.59	+ 0 20.8	1.714	2.713	3.6	17.4
9 18	22 30.27	− 1 2.5	1.746	2.719	6.6	17.6
9 28	22 25.36	− 2 22.4	1.804	2.727	10.1	17.8
10 8	22 22.43	− 3 32.6	1.886	2.734	13.4	18.0
251386 2007 VG_{165}			9 1.0	309°.14	1°.2/ 1.8	18
7 30	23 3.24	− 3 24.0	1.215	2.106	17.5	20.6
8 9	22 59.40	− 3 43.9	1.139	2.088	13.2	20.3
8 19	22 52.80	− 4 23.7	1.082	2.071	8.1	19.9
8 29	22 44.21	− 5 19.1	1.047	2.055	2.6	19.5
9 8	22 34.90	− 6 22.3	1.036	2.039	3.9	19.6
9 18	22 26.31	− 7 24.1	1.049	2.023	9.7	19.9
9 28	22 19.87	− 8 15.4	1.083	2.008	15.0	20.1
10 8	22 16.51	− 8 50.1	1.136	1.993	19.6	20.4
178471 1999 RN_{163}			9 1.0	344°.89	3°.0/ 3.2	17
7 30	22 57.66	+ 0 45.7	1.042	1.937	19.4	19.3
8 9	22 55.44	+ 0 24.7	0.977	1.925	15.0	19.0
8 19	22 50.50	− 0 24.2	0.929	1.915	9.8	18.7
8 29	22 43.66	− 1 37.4	0.902	1.907	4.4	18.4
9 8	22 36.22	− 3 5.8	0.897	1.900	4.2	18.3
9 18	22 29.65	− 4 37.2	0.914	1.894	9.6	18.6
9 28	22 25.33	− 5 59.3	0.951	1.890	15.1	18.9
10 8	22 24.12	− 7 2.8	1.007	1.887	19.8	19.2
340340 2006 DG_{54}			9 1.0	334°.59	0°.1/ 1.1	18
7 30	23 1.07	− 4 40.9	1.459	2.346	15.3	20.4
8 9	22 57.30	− 5 23.5	1.389	2.338	11.3	20.2
8 19	22 51.30	− 6 22.7	1.340	2.331	6.7	19.9
8 29	22 43.82	− 7 32.7	1.316	2.324	1.6	19.5
9 8	22 35.90	− 8 45.7	1.316	2.318	3.6	19.7
9 18	22 28.69	− 9 53.1	1.343	2.312	8.6	19.9
9 28	22 23.27	−10 47.8	1.392	2.307	13.1	20.2
10 8	22 20.35	−11 25.2	1.462	2.303	16.9	20.4